LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15533.7	10000	38.9802	95.9998	-483	QGD	3.0	0	10.9	1	1.4	1	0.275	-1	2.201	-1	7.998	0	2276	49	2.3
15533.8	10000	38.9802	95.9991	-482	QGD	3.2	0	10.7	1	1.3	1	0.297	-1	2.396	0	8.068	1	2281	21	2.2
15533.9	10000	38.9802	95.9983	-478	QGD	3.2	0	10.9	1	1.4	1	0.292	-1	2.331	0	7.971	0	2289	29	2.2
15534.0	10000	38.9802	95.9976	-476	QGD	3.1	0	10.7	1	1.3	1	0.290	-1	2.300	0	7.929	0	2280	48	2.2
15534.1	10000	38.9802	95.9968	-473	QGD	3.2	0	11.1	1	1.3	1	0.291	-1	2.425	0	8.320	1	2284	45	2.2
15534.2	10000	38.9802	95.9961	-471	QGD	3.3	1	10.7	1	1.3	1	0.304	0	2.417	0	7.950	0	2284	40	2.2
15534.3	10000	38.9802	95.9954	-469	QGD	3.3	1	10.6	1	1.4	1	0.315	0	2.448	0	7.770	0	2300	57	2.2
15534.4	10000	38.9802	95.9946	-466	QGD	3.4	1	10.8	1	1.4	1	0.318	0	2.537	0	7.981	0	2315	53	2.2
15534.5	10000	38.9802	95.9939	-464	QGD	3.1	0	10.9	1	1.4	1	0.283	-1	2.235	-1	7.888	0	2308	56	2.2
15534.6	10000	38.9802	95.9931	-462	QGD	3.1	0	10.5	1	1.4	1	0.290	-1	2.191	-1	7.547	0	2298	54	2.2
15534.7	10000	38.9802	95.9924	-460	QGD	3.2	0	10.7	1	1.4	1	0.299	-1	2.332	0	7.794	0	2296	48	2.2
15534.8	10000	38.9801	95.9917	-458	QGD	3.0	0	10.3	1	1.4	1	0.275	-1	2.058	-1	7.488	0	2288	37	2.2
15534.9	10000	38.9802	95.9909	-456	QGD	3.0	0	10.3	1	1.4	1	0.282	-1	2.107	-1	7.473	0	2270	43	2.2
15535.0	10000	38.9802	95.9902	-455	QGD	2.8	-1	9.9	0	1.4	1	0.278	-1	2.019	-1	7.262	0	2259	45	2.2
15535.1	10000	38.9801	95.9895	-452	QGD	3.0	0	10.2	1	1.3	1	0.289	-1	2.242	-1	7.756	0	2248	35	2.2
15535.2	10000	38.9801	95.9887	-451	QGD	3.1	0	10.2	1	1.3	1	0.306	0	2.358	0	7.708	0	2263	41	2.2
15535.3	10000	38.9801	95.9880	-450	QGD	3.2	0	10.3	1	1.3	0	0.315	0	2.507	0	7.948	0	2284	38	2.2
15535.4	10000	38.9801	95.9872	-449	QGD	3.0	0	10.1	1	1.3	0	0.302	0	2.314	0	7.676	0	2296	33	2.2
15535.5	10000	38.9801	95.9865	-448	QGD	3.2	0	10.2	1	1.3	0	0.319	0	2.585	0	8.116	1	2293	47	2.1
15535.6	10000	38.9801	95.9858	-446	QGD	3.3	1	10.1	1	1.3	0	0.325	0	2.598	0	7.992	0	2299	54	2.1
15535.7	10000	38.9801	95.9850	-446	QGD	3.3	1	10.5	1	1.2	0	0.316	0	2.673	1	8.462	1	2287	30	2.1
15535.8	10000	38.9801	95.9843	-445	QGD	3.4	1	10.1	1	1.2	0	0.338	0	2.731	1	8.086	1	2283	41	2.1
15535.9	10000	38.9801	95.9836	-444	QGD	3.3	1	10.0	1	1.2	0	0.326	0	2.638	1	8.081	1	2244	58	2.1
15536.0	10000	38.9801	95.9828	-444	QGD	3.1	0	10.1	1	1.2	0	0.305	0	2.569	0	8.418	1	2203	45	2.1
15536.1	10000	38.9801	95.9821	-442	QGD	3.0	0	10.5	1	1.2	-1	0.287	-1	2.605	0	9.092	2	2175	61	2.1
15536.2	10000	38.9801	95.9813	-443	QGD	3.0	0	10.6	1	1.2	0	0.286	-1	2.540	0	8.878	2	2156	53	2.1
15536.3	10000	38.9801	95.9806	-442	QGD	2.7	-1	10.7	1	1.2	0	0.253	-1	2.288	0	9.031	2	2140	49	2.1
15536.4	10000	38.9801	95.9799	-440	QGD	2.8	-1	10.4	1	1.2	0	0.268	-1	2.313	0	8.640	1	2113	52	2.1
15536.5	10000	38.9801	95.9791	-438	QGD	2.4	-1	10.0	1	1.2	0	0.242	-2	2.010	-1	8.298	1	2079	43	2.1
15536.6	10000	38.9801	95.9784	-433	QGD	2.6	-1	10.4	1	1.2	0	0.257	-1	2.140	-1	8.333	1	2082	51	2.1
15536.7	10000	38.9801	95.9776	-437	QGD	2.5	-1	10.1	1	1.2	0	0.261	-1	2.000	-1	7.674	0	2075	51	2.1
15536.8	10000	38.9801	95.9769	-439	QGD	2.7	-1	10.4	1	1.2	0	0.293	-1	2.068	-1	7.056	-1	2082	44	2.1
15536.9	10000	38.9801	95.9762	-440	QGD	2.8	-1	10.4	1	1.2	0	0.269	-1	1.930	-1	7.180	-1	2099	54	2.1
15537.0	10000	38.9801	95.9754	-438	QGD	2.8	-1	10.4	1	1.2	0	0.319	0	2.128	-1	6.680	-1	2110	52	2.1
15537.1	10000	38.9801	95.9747	-437	QGD	2.8	-1	10.4	1	1.2	0	0.307	0	2.088	-1	6.812	-1	2137	50	2.1
15537.2	10000	38.9801	95.9740	-440	QGD	2.7	-1	10.4	1	1.2	0	0.283	-1	1.952	-1	6.909	-1	2182	44	2.1
15537.3	10000	38.9801	95.9732	-439	QGD	2.8	-1	10.4	1	1.2	0	0.277	-1	1.912	-1	6.897	-1	2187	49	2.1
15537.4	10000	38.9801	95.9725	-440	QGD	2.8	-1	10.4	1	1.2	0	0.272	-1	1.989	-1	7.307	0	2213	50	2.1
15537.5	10000	38.9801	95.9717	-439	QGD	2.8	-1	10.4	1	1.2	0	0.279	-1	2.068	-1	7.414	0	2235	50	2.1
15537.6	10000	38.9801	95.9710	-438	QGD	2.8	-1	10.4	1	1.2	0	0.286	-1	1.990	-1	6.959	-1	2236	54	2.1
15537.7	10000	38.9801	95.9703	-439	QGD	2.8	-1	10.4	1	1.2	0	0.280	-1	2.038	-1	7.280	0	2234	37	2.1
15537.8	10000	38.9801	95.9695	-437	QGD	2.8	-1	10.4	1	1.2	0	0.248	-1	1.773	-2	7.141	0	2220	45	2.1
15537.9	10000	38.9801	95.9688	-438	QGD	2.8	-1	10.4	1	1.2	0	0.265	-1	1.874	-2	7.075	0	2207	44	2.1
15538.0	10000	38.9801	95.9681	-436	QGD	2.8	-1	10.4	1	1.2	0	0.260	-1	1.872	-2	7.209	0	2222	44	2.1
15538.1	10000	38.9801	95.9673	-436	QGD	2.8	-1	10.4	1	1.2	0	0.276	-1	2.002	-1	7.253	0	2224	52	2.1
15538.2	10000	38.9801	95.9666	-433	QGD	2.8	-1	10.4	1	1.2	0	0.268	-1	1.900	-2	7.080	0	2209	52	2.1
15538.3	10000	38.9801	95.9658	-434	QGD	2.8	-1	10.4	1	1.2	0	0.276	-1	1.978	-2	7.159	0	2227	47	2.1
15538.4	10000	38.9801	95.9651	-431	QGD	2.8	-1	10.4	1	1.2	0	0.266	-1	1.890	-2	7.093	0	2235	52	2.1
15538.5	10000	38.9801	95.9644	-432	QGD	2.8	-1	10.4	1	1.2	0	0.286	-1	2.126	-1	7.444	0	2254	42	2.1
15538.6	10000	38.9801	95.9636	-430	QGD	2.8	-1	10.4	1	1.2	0	0.294	-1	2.276	-1	7.750	0	2263	42	2.1
15538.7	10000	38.9801	95.9629	-428	QGD	2.8	-1	10.4	1	1.2	0	0.307	0	2.446	0	7.981	0	2260	44	2.1
15538.8	10000	38.9801	95.9622	-428	QGD	3.4	0	10.7	1	1.3	0	0.318	0	2.606	0	8.201	1	2262	38	2.1

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15538.9	10000	38.9801	95.9614	-428	PW	3.6	1	11.0	1	1.3	0	0.327	1	2.830	1	8.655	0	2264	49	2.1
15539.0	10000	38.9801	95.9607	-424	PW	3.9	2	11.1	1	1.2	0	0.355	1	3.234	2	9.112	1	2259	62	2.1
15539.1	10000	38.9801	95.9599	-424	PW	4.0	2	10.9	1	1.2	0	0.371	1	3.311	2	8.934	1	2269	54	2.1
15539.2	10000	38.9801	95.9592	-421	PW	3.9	2	10.8	1	1.2	0	0.364	1	3.244	2	8.920	1	2278	49	2.1
15539.3	10000	38.9801	95.9585	-419	PW	3.9	2	10.8	1	1.3	0	0.357	1	3.067	1	8.585	0	2283	47	2.1
15539.4	10000	38.9801	95.9577	-418	PW	3.5	1	10.2	0	1.3	0	0.342	1	2.765	1	8.094	0	2273	42	2.1
15539.5	10000	38.9801	95.9570	-415	PW	3.3	1	10.6	1	1.3	1	0.309	0	2.508	0	8.123	0	2267	49	2.1
15539.6	10000	38.9801	95.9563	-414	PW	3.4	1	10.4	1	1.4	1	0.324	0	2.477	0	7.640	-1	2275	36	2.1
15539.7	10000	38.9801	95.9555	-411	PW	2.9	0	10.3	0	1.3	1	0.284	0	2.181	-1	7.683	0	2261	63	2.1
15539.8	10000	38.9801	95.9548	-410	PW	2.8	1	10.5	1	1.3	1	0.268	-1	2.085	-1	7.766	0	2247	38	2.1
15539.9	10000	38.9801	95.9540	-408	PW	2.8	0	10.2	0	1.3	1	0.278	0	2.170	-1	7.795	0	2217	49	2.1
15540.0	10000	38.9801	95.9533	-406	PW	3.0	0	10.3	0	1.3	0	0.289	0	2.342	0	8.110	0	2219	59	2.1
15540.1	10000	38.9801	95.9526	-405	PW	3.1	1	10.5	1	1.3	0	0.299	0	2.489	0	8.336	0	2245	51	2.1
15540.2	10000	38.9801	95.9518	-403	PW	3.3	1	10.3	0	1.3	0	0.315	0	2.505	0	7.955	0	2261	41	2.1
15540.3	10000	38.9801	95.9511	-403	PW	2.8	0	10.9	1	1.3	0	0.262	-1	2.269	0	8.675	1	2256	51	2.1
15540.4	10000	38.9801	95.9503	-401	PW	2.9	1	10.6	1	1.3	0	0.269	-1	2.259	0	8.405	0	2250	52	2.1
15540.5	10000	38.9801	95.9496	-400	PW	2.8	1	10.9	1	1.3	0	0.262	-1	2.268	0	8.656	0	2246	40	2.1
15540.6	10000	38.9801	95.9489	-400	PW	3.0	1	10.6	1	1.2	0	0.284	0	2.448	0	8.630	0	2258	49	2.1
15540.7	10000	38.9801	95.9481	-400	PW	3.4	1	10.5	1	1.2	0	0.320	0	2.736	1	8.538	0	2257	51	2.1
15540.8	10000	38.9801	95.9474	-401	PW	3.4	1	10.0	0	1.3	0	0.344	1	2.730	1	7.928	0	2230	47	2.1
15540.9	10000	38.9801	95.9467	-400	PW	3.4	1	10.0	0	1.2	0	0.336	1	2.715	1	8.077	0	2201	46	2.1
15541.0	10000	38.9801	95.9459	-401	PW	3.5	1	9.5	0	1.3	1	0.371	1	2.685	0	7.236	-1	2191	45	2.1
15541.1	10000	38.9801	95.9452	-402	PW	3.7	1	9.7	0	1.3	0	0.380	2	2.895	1	7.622	-1	2178	53	2.1
15541.2	10000	38.9801	95.9444	-402	PW	3.5	1	9.4	-1	1.2	0	0.370	1	2.775	1	7.508	-1	2169	53	2.1
15541.3	10000	38.9801	95.9437	-404	PW	3.3	1	9.6	0	1.3	1	0.344	1	2.510	0	7.303	-1	2155	39	2.1
15541.4	10000	38.9801	95.9430	-405	QAL	2.9	0	9.3	0	1.3	0	0.315	0	2.211	0	7.009	0	2141	60	2.1
15541.5	10000	38.9801	95.9422	-407	QAL	2.5	1	9.3	0	1.3	0	0.262	-1	1.989	0	7.606	0	2128	54	2.1
15541.6	10000	38.9801	95.9415	-409	QAL	2.6	1	9.7	0	1.3	0	0.277	-1	2.047	0	7.392	0	2128	42	2.1
15541.7	10000	38.9801	95.9408	-410	QAL	2.6	1	9.4	0	1.3	0	0.296	-1	2.404	0	8.115	0	2120	39	2.1
15541.8	10000	38.9801	95.9400	-413	QAL	2.6	1	9.2	0	1.3	0	0.312	0	2.390	0	7.651	0	2125	46	2.1
15541.9	10000	38.9801	95.9393	-415	QAL	2.6	1	9.2	0	1.3	0	0.330	0	2.571	0	7.784	0	2116	43	2.1
15542.0	10000	38.9801	95.9385	-416	QAL	2.6	1	9.5	0	1.3	0	0.332	0	2.447	0	7.366	0	2118	48	2.1
15542.1	10000	38.9801	95.9378	-420	QAL	2.6	1	9.2	0	1.3	0	0.335	0	2.505	0	7.525	0	2121	45	2.1
15542.2	10000	38.9801	95.9371	-421	QAL	2.6	1	9.2	0	1.3	0	0.368	0	2.575	0	6.999	0	2140	42	2.1
15542.3	10000	38.9801	95.9363	-425	QAL	2.6	1	9.2	0	1.3	0	0.363	0	2.618	0	7.210	0	2174	47	2.2
15542.4	10000	38.9801	95.9356	-427	QAL	2.6	1	9.2	0	1.3	0	0.348	0	2.422	0	6.968	0	2209	57	2.2
15542.5	10000	38.9801	95.9348	-430	QAL	2.6	1	9.2	0	1.4	0	0.344	0	2.344	0	6.811	0	2245	45	2.2
15542.6	10000	38.9801	95.9341	-434	QAL	2.6	1	9.2	0	1.4	0	0.349	0	2.309	0	6.618	0	2273	49	2.2
15542.7	10000	38.9801	95.9334	-437	QAL	2.6	1	9.2	0	1.4	0	0.353	0	2.498	0	7.084	0	2303	43	2.2
15542.8	10000	38.9801	95.9326	-441	QAL	2.6	1	9.2	0	1.4	0	0.366	0	2.559	0	6.997	0	2320	45	2.1
15542.9	10000	38.9801	95.9319	-444	QAL	2.6	1	9.2	0	1.4	0	0.389	0	2.845	0	7.309	0	2336	57	2.1
15543.0	10000	38.9800	95.9312	-446	PW	2.6	1	9.2	0	1.4	0	0.388	0	2.757	0	7.102	0	2304	55	2.1
15543.1	10000	38.9800	95.9304	-451	PW	2.6	1	9.2	0	1.4	0	0.376	0	2.655	0	7.057	0	2276	51	2.1
15543.2	10000	38.9800	95.9297	-452	PW	2.6	1	9.2	0	1.4	0	0.364	0	2.657	0	7.292	0	2257	44	2.1
15543.3	10000	38.9800	95.9290	-456	PW	2.6	1	9.2	0	1.4	0	0.357	0	2.547	0	7.135	0	2251	57	2.1
15543.4	10000	38.9801	95.9282	-458	PW	2.6	1	9.2	0	1.4	0	0.346	0	2.456	0	7.092	0	2227	47	2.1
15543.5	10000	38.9800	95.9275	-461	PW	2.6	1	9.2	0	1.4	0	0.346	0	2.454	0	7.052	0	2203	43	2.1
15543.6	10000	38.9801	95.9267	-465	PW	2.6	1	9.2	0	1.4	0	0.346	0	2.454	0	7.059	0	2178	42	2.1
15543.7	10000	38.9801	95.9260	-466	PW	2.6	1	9.2	0	1.4	0	0.346	0	2.454	0	7.083	0	2168	37	2.1
15543.8	10000	38.9801	95.9253	-470	PW	2.6	1	9.2	0	1.4	0	0.346	0	2.454	0	7.089	0	2169	34	2.1
15543.9	10000	38.9801	95.9245	-471	PW	2.6	1	9.2	0	1.4	0	0.346	0	2.454	0	7.098	0	2157	41	2.1
15544.0	10000	38.9801	95.9238	-475	PW	2.6	1	9.2	0	1.4	0	0.346	0	2.454	0	7.098	0	2142	49	2.1

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15544.1	10000	38.9801	95.9231	-477	PW	2.6	-1	10.3	0	1.3	0	0.247	-1	2.031	-1	8.226	0	2140	43	2.1
15544.2	10000	38.9801	95.9223	-479	PW	2.6	-1	10.1	0	1.3	0	0.254	-1	1.998	-1	7.863	0	2130	45	2.1
15544.3	10000	38.9801	95.9216	-482	PW	2.6	-1	10.1	0	1.3	0	0.257	-1	2.023	-1	7.861	0	2124	42	2.1
15544.4	10000	38.9801	95.9209	-483	PW	2.6	-1	10.2	0	1.3	0	0.255	-1	2.006	-1	7.855	0	2122	39	2.1
15544.5	10000	38.9802	95.9202	-486	PW	2.7	0	9.9	1	1.3	1	0.277	-1	2.064	-1	7.454	-1	2143	42	2.1
15544.6	10000	38.9802	95.9194	-487	PW	3.2	1	9.8	1	1.4	1	0.322	0	2.316	0	7.189	-1	2164	51	2.1
15544.7	10000	38.9802	95.9187	-488	PW	3.4	1	9.9	1	1.3	1	0.344	1	2.525	0	7.351	-1	2185	45	2.1
15544.8	10000	38.9802	95.9180	-490	PW	3.3	1	9.6	1	1.3	1	0.342	1	2.533	0	7.408	-1	2197	42	2.1
15544.9	10000	38.9802	95.9172	-490	PW	3.5	1	9.7	1	1.3	1	0.362	1	2.691	0	7.426	-1	2227	43	2.1
15545.0	10000	38.9802	95.9165	-49[illegible]	PW	3.5	1	9.6	1	1.3	1	0.370	1	2.689	0	7.267	-1	2248	50	2.1
15545.1	10000	38.9802	95.9158	-49[illegible]	PW	3.5	1	9.6	1	1.3	1	0.370	1	2.674	0	7.231	-1	2264	47	2.1
15545.2	10000	38.9802	95.9150	-492	PW	3.2	1	9.9	1	1.3	1	0.318	0	2.400	0	7.550	-1	2251	51	2.1
15545.3	10000	38.9802	95.9143	-493	PW	3.1	1	9.7	1	1.3	1	0.321	0	2.429	0	7.558	-1	2241	54	2.1
15545.4	10000	38.9803	95.9136	-492	PW	2.9	1	9.5	1	1.3	1	0.308	0	2.317	0	7.515	-1	2220	37	2.1
15545.5	10000	38.9803	95.9128	-494	PW	3.2	1	9.5	1	1.3	1	0.334	0	2.446	0	7.317	-1	2203	51	2.1
15545.6	10000	38.9803	95.9121	-492	PW	2.9	1	9.9	1	1.3	1	0.298	0	2.186	-1	7.333	-1	2178	53	2.1
15545.7	10000	38.9803	95.9114	-493	PW	2.8	1	9.9	1	1.3	1	0.288	0	2.193	-1	7.624	-1	2170	43	2.1
15545.8	10000	38.9803	95.9106	-493	PW	2.8	1	9.9	1	1.3	1	0.282	0	2.090	-1	7.406	-1	2176	54	2.1
15545.9	10000	38.9803	95.9099	-492	PW	3.1	1	9.6	1	1.3	1	0.320	0	2.311	0	7.227	-1	2177	53	2.1
15546.0	10000	38.9803	95.9092	-493	PW	3.1	1	9.6	1	1.4	1	0.323	0	2.283	0	7.074	-1	2181	44	2.1
15546.1	10000	38.9803	95.9084	-492	PW	3.0	1	9.8	1	1.4	1	0.306	0	2.072	-1	6.773	-1	2199	45	2.1
15546.2	10000	38.9803	95.9077	-492	PW	2.7	0	10.1	1	1.4	1	0.268	-1	1.860	-1	6.933	-1	2217	40	2.1
15546.3	10000	38.9804	95.9070	-491	PW	2.8	1	10.2	1	1.4	1	0.278	-1	2.019	-1	7.272	-1	2225	55	2.1
15546.4	10000	38.9804	95.9062	-490	PW	3.0	1	10.2	1	1.4	1	0.294	-1	2.184	-1	7.420	-1	2237	42	2.0
15546.5	10000	38.9804	95.9055	-491	PW	3.0	1	10.1	1	1.4	1	0.296	-1	2.425	0	8.203	0	2235	54	2.0
15546.6	10000	38.9804	95.9048	-489	PW	2.9	1	10.2	1	1.3	1	0.295	-1	2.518	0	8.546	0	2213	40	2.0
15546.7	10000	38.9804	95.9040	-490	PW	2.8	1	10.1	1	1.2	1	0.284	-1	2.519	1	8.880	1	2194	39	2.0
15546.8	10000	38.9804	95.9033	-490	PW	3.0	1	10.[illegible]	1	1.1	-1	0.301	-1	2.840	1	9.431	1	2173	43	2.0
15546.9	10000	38.9804	95.9026	-490	PW	3.3	1	10.[illegible]	1	1.1	-1	0.332	-1	3.278	2	9.869	2	2148	46	2.0
15547.0	10000	38.9804	95.9018	-491	PW	3.2	1	10.[illegible]	1	1.1	-1	0.328	-1	3.140	2	9.582	2	2142	43	2.0
15547.1	10000	38.9805	95.9011	-490	PW	3.1	1	10.[illegible]	1	1.1	-1	0.287	-1	2.824	2	9.846	2	2106	44	2.0
15547.2	10000	38.9805	95.9004	-491	PW	3.0	1	10.[illegible]	1	1.1	-1	0.299	-1	2.728	2	9.127	2	2109	57	2.0
15547.3	10000	38.9805	95.8996	-490	PW	2.9	1	10.[illegible]	1	1.1	-1	0.286	-1	2.564	2	8.953	2	2102	37	2.0
15547.4	10000	38.9805	95.8989	-490	PW	2.9	1	10.[illegible]	1	1.1	-1	0.282	-1	2.422	2	8.598	2	2107	35	2.0
15547.5	10000	38.9805	95.8982	-491	PW	2.9	1	10.[illegible]	1	1.1	-1	0.286	-1	2.276	2	8.967	2	2122	48	2.0
15547.6	10000	38.9805	95.8974	-490	PW	2.9	1	10.[illegible]	1	1.1	-1	0.264	-1	1.907	1	7.225	2	2123	44	2.0
15547.7	10000	38.9805	95.8967	-491	PW	2.9	1	10.[illegible]	1	1.1	-1	0.274	-1	1.834	1	6.693	1	2091	55	2.0
15547.8	10000	38.9805	95.8960	-491	PW	2.9	1	10.[illegible]	1	1.1	-1	0.319	-1	1.951	1	6.110	1	2095	51	2.0
15547.9	10000	38.9805	95.8952	-491	PW	2.9	1	10.[illegible]	1	1.1	-1	0.309	-1	1.845	1	5.964	1	2070	39	2.0
15548.0	10000	38.9805	95.8945	-491	PW	2.9	1	10.[illegible]	1	1.1	-1	0.293	-1	1.771	1	6.048	1	2084	47	2.0
15548.1	10000	38.9806	95.8938	-491	PW	2.9	1	10.[illegible]	1	1.1	-1	0.281	-1	1.767	1	6.288	1	2102	47	2.0
15548.2	10000	38.9806	95.8930	-493	PW	2.9	1	10.[illegible]	1	1.1	-1	0.277	-1	1.862	1	6.716	1	2105	54	2.0
15548.3	10000	38.9806	95.8923	-492	PW	2.9	1	10.[illegible]	1	1.1	-1	0.300	-1	2.087	1	6.952	1	2127	46	2.0
15548.4	10000	38.9806	95.8916	-493	PW	2.9	1	10.[illegible]	1	1.1	-1	0.304	-1	2.270	2	7.466	1	2148	53	2.0
15548.5	10000	38.9806	95.8908	-495	PW	2.9	1	10.[illegible]	1	1.1	-1	0.292	-1	2.210	2	7.561	1	2147	50	2.0
15548.6	10000	38.9806	95.8901	-495	PW	2.9	1	10.[illegible]	1	1.1	-1	0.316	-1	2.490	2	7.877	1	2138	47	2.0
15548.7	10000	38.9806	95.8894	-497	PW	2.9	1	10.[illegible]	1	1.1	-1	0.348	-1	2.696	2	7.752	1	2106	54	2.0
15548.8	10000	38.9806	95.8886	-498	PW	2.9	1	10.[illegible]	1	1.1	-1	0.399	-1	3.041	3	7.623	1	2063	40	2.0
15548.9	10000	38.9807	95.8879	-499	PW	2.9	1	10.[illegible]	1	1.1	-1	0.409	-1	3.022	3	7.442	1	2016	46	2.0
15549.0	10000	38.9807	95.8872	-501	PW	2.9	1	10.[illegible]	1	1.1	-1	0.379	-1	2.907	3	7.974	1	1977	53	2.0
15549.1	10000	38.9807	95.8864	-500	PW	2.9	1	10.[illegible]	1	1.1	-1	0.366	-1	2.907	3	7.924	1	1982	36	2.0
15549.2	10000	38.9807	95.8857	-502	PW	2.9	1	10.[illegible]	1	1.1	-1	0.335	1	8.690	1	1999	42	1.9		

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15549.3	10000	38.9807	95.8850	-502	PW	2.9	0	10.0	0	1.1	-1	0.286	0	2.520	0	8.818	1	2031	64	1.9
15549.4	10000	38.9807	95.8842	-502	PW	2.9	0	10.4	1	1.2	0	0.279	0	2.498	0	8.959	1	2059	44	1.9
15549.5	10000	38.9807	95.8835	-504	PW	2.6	-1	10.7	1	1.2	0	0.240	-1	2.177	-1	9.078	1	2072	54	1.9
15549.6	10000	38.9807	95.8828	-503	PW	2.5	-1	11.1	1	1.2	0	0.227	-2	2.156	-1	9.495	1	2096	61	1.9
15549.7	10000	38.9807	95.8820	-503	PW	2.6	-1	11.3	1	1.2	0	0.229	-1	2.125	-1	9.276	1	2124	50	1.9
15549.8	10000	38.9807	95.8813	-504	PW	2.7	-1	11.5	2	1.2	0	0.232	-1	2.172	-1	9.360	1	2141	42	1.9
15549.9	10000	38.9808	95.8806	-504	PW	2.8	0	11.1	1	1.2	0	0.251	-1	2.327	0	9.270	1	2138	51	1.9
15550.0	10000	38.9808	95.8799	-504	PW	2.9	0	10.8	1	1.2	0	0.273	-1	2.511	0	9.196	1	2133	49	1.9
15550.1	10000	38.9808	95.8791	-503	PW	2.5	-1	10.6	1	1.2	0	0.238	-1	2.154	-1	9.049	1	2131	56	1.9
15550.2	10000	38.9808	95.8784	-503	PW	2.6	-1	11.2	1	1.1	0	0.233	-1	2.275	0	9.700	2	2127	47	1.9
15550.3	10000	38.9808	95.8777	-502	PW	2.8	0	10.9	1	1.2	0	0.255	-1	2.398	0	9.386	1	2118	45	1.9
15550.4	10000	38.9808	95.8769	-502	PW	3.0	0	10.5	1	1.2	0	0.280	0	2.469	0	8.807	1	2110	54	1.9
15550.5	10000	38.9808	95.8762	-500	PW	3.0	0	10.1	0	1.2	0	0.294	0	2.554	0	8.698	1	2102	50	1.9
15550.6	10000	38.9808	95.8755	-501	PW	3.1	0	9.9	0	1.2	0	0.309	0	2.498	0	8.071	0	2115	54	1.9
15550.7	10000	38.9808	95.8747	-498	PW	3.0	0	10.2	0	1.2	0	0.297	0	2.481	0	8.360	0	2113	46	1.9
15550.8	10000	38.9809	95.8740	-498	PW	3.4	1	10.4	1	1.2	0	0.332	1	2.924	1	8.818	1	2113	43	1.9
15550.9	10000	38.9809	95.8733	-496	PW	3.3	1	9.9	0	1.2	0	0.330	1	2.779	1	8.410	0	2120	59	1.9
15551.0	10000	38.9809	95.8725	-495	PW	3.3	1	9.9	0	1.2	0	0.338	1	2.858	1	8.460	0	2148	45	1.9
15551.1	10000	38.9809	95.8718	-494	PW	3.3	1	10.0	0	1.2	0	0.331	1	2.866	1	8.659	1	2164	49	1.9
15551.2	10000	38.9809	95.8711	-492	PW	3.3	1	10.1	0	1.2	0	0.323	0	2.791	1	8.652	0	2165	54	1.9
15551.3	10000	38.9809	95.8703	-491	PW	3.2	0	10.1	0	1.1	-1	0.314	0	2.797	1	8.905	1	2143	53	1.9
15551.4	10000	38.9809	95.8696	-489	PW	3.3	1	9.5	0	1.2	0	0.343	1	2.821	1	8.222	0	2141	39	1.9
15551.5	10000	38.9809	95.8689	-488	PW	3.5	1	9.2	-1	1.2	0	0.381	2	2.963	1	7.781	0	2150	50	1.9
15551.6	10000	38.9809	95.8681	-486	PW	3.1	2	8.8	-1	1.2	0	0.472	3	3.541	2	7.500	-1	2153	58	1.9
15551.7	10000	38.9809	95.8674	-484	PW	3.9	2	8.3	-2	1.2	0	0.474	4	3.379	2	7.124	-1	2129	50	1.9
15551.8	10000	38.9810	95.8667	-484	PW	3.8	2	8.3	-2	1.2	0	0.460	3	3.284	2	7.142	-1	2110	48	1.9
15551.9	10000	38.9810	95.8659	-482	PW	3.8	2	8.4	-2	1.2	0	0.451	3	3.250	2	7.213	-1	2106	38	1.9
15552.0	10000	38.9810	95.8652	-480	PW	3.7	2	8.4	-1	1.2	0	0.438	3	3.130	2	7.152	-1	2098	54	1.9
15552.1	10000	38.9810	95.8645	-479	PW	3.7	2	8.5	-1	1.1	0	0.436	3	3.407	2	7.809	0	2082	47	2.0
15552.2	10000	38.9810	95.8637	-477	PW	3.6	2	8.5	-1	1.1	0	0.424	3	3.371	2	7.954	0	2039	61	2.0
15552.3	10000	38.9810	95.8630	-477	PW	3.3	2	8.2	-2	1.1	0	0.404	3	3.125	2	7.728	0	1999	36	2.0
15552.4	10000	38.9810	95.8623	-473	PW	3.1	2	8.4	-2	1.0	0	0.374	3	3.001	2	8.027	0	1966	45	2.0
15552.5	10000	38.9810	95.8615	-472	PW	3.2	2	8.5	-1	1.0	0	0.371	3	3.127	2	8.427	0	1946	51	2.0
15552.6	10000	38.9810	95.8608	-471	PW	3.0	2	8.0	-2	1.0	0	0.379	3	3.033	2	8.010	0	1921	67	2.0
15552.7	10000	38.9811	95.8601	-468	PW	3.0	2	8.1	-2	1.1	0	0.374	3	2.890	2	7.724	0	1931	53	2.0
15552.8	10000	38.9811	95.8593	-466	PW	2.9	2	8.0	-2	1.1	0	0.371	3	2.906	2	7.841	0	1946	50	2.0
15552.9	10000	38.9811	95.8586	-463	PW	3.0	2	8.2	-1	1.1	0	0.340	3	2.690	2	7.904	0	1975	57	2.0
15553.0	10000	38.9811	95.8579	-460	PW	3.2	2	9.4	-1	1.1	0	0.323	3	2.637	2	8.174	0	2008	42	2.0
15553.1	10000	38.9811	95.8571	-456	PW	3.1	2	9.2	-1	1.1	0	0.336	3	2.780	2	8.277	0	2049	47	2.0
15553.2	10000	38.9811	95.8564	-451	PW	3.4	2	9.2	-1	1.1	0	0.339	3	2.769	2	8.175	0	2072	51	2.0
15553.3	10000	38.9811	95.8557	-452	PW	3.4	2	9.3	-1	1.1	0	0.367	3	2.971	2	8.101	0	2086	56	2.0
15553.4	10000	38.9811	95.8549	-447	PW	3.6	2	9.3	-1	1.1	0	0.388	3	2.256	2	8.391	0	2090	55	2.0
15553.5	10000	38.9811	95.8542	-445	PW	3.3	2	9.2	-1	1.2	0	0.387	3	2.968	2	7.659	-1	2083	43	2.0
15553.6	10000	38.9812	95.8535	-440	PW	3.4	2	9.7	-1	1.1	0	0.396	3	2.977	2	7.510	-1	2069	55	2.0
15553.7	10000	38.9812	95.8528	-435	PW	3.2	2	9.5	-2	1.1	0	0.381	3	2.866	2	7.518	-1	2063	53	2.0
15553.8	10000	38.9812	95.8520	-430	PW	3.2	2	9.5	-2	1.1	0	0.386	3	2.761	2	7.156	-1	2046	39	2.0
15553.9	10000	38.9812	95.8513	-424	PW	3.2	2	9.5	-2	1.1	0	0.425	3	3.027	2	7.124	-1	2033	62	2.0
15554.0	10000	38.9812	95.8506	-421	PW	3.2	2	9.6	-2	1.1	0	0.375	3	2.813	2	7.493	-1	2035	39	2.0
15554.1	10000	38.9812	95.8498	-415	PW	3.1	2	9.4	-2	1.1	0	0.379	3	2.762	2	7.284	-1	2033	53	2.0
15554.2	10000	38.9812	95.8491	-411	PW	3.1	2	9.5	-2	1.1	0	0.356	3	2.605	2	7.334	-1	2043	39	2.0
15554.3	10000	38.9812	95.8484	-406	PW	3.1	2	9.5	-2	1.2	0	0.379	3	2.834	2	6.881	-1	2053	53	2.1
15554.4	10000	38.9812	95.8476	-400	PW	3.4	2	9.5	-2	1.2	0	0.425	3	2.834	2	6.663	-2	2063	44	2.1

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15554.5	10000	38.9812	95.8469	-396	PW	3.4	1	8.4	-2	1.2	0	0.399	2	2.784	1	6.973	-1	2082	48	2.1
15554.6	10000	38.9813	95.8462	-389	PW	3.9	0	8.5	-1	1.2	0	0.342	1	2.419	0	7.063	-1	2087	50	2.1
15554.7	10000	38.9813	95.8454	-385	PW	3.1	0	8.6	-1	1.2	0	0.362	1	2.582	0	7.128	-1	2106	58	2.1
15554.8	10000	38.9813	95.8447	-379	PW	3.1	0	9.1	-1	1.2	0	0.344	1	2.652	0	7.714	0	2125	43	2.1
15554.9	10000	38.9813	95.8440	-374	PW	3.4	1	9.6	0	1.1	-1	0.355	1	3.032	1	8.546	0	2125	39	2.1
15555.0	10000	38.9813	95.8432	-370	PW	3.7	1	9.7	0	1.1	-1	0.345	1	3.068	1	8.893	1	2132	46	2.2
15555.1	10000	38.9813	95.8425	-363	PW	3.1	0	9.9	0	1.1	-1	0.312	0	2.901	1	9.290	1	2136	61	2.2
15555.2	10000	38.9813	95.8418	-360	PW	3.2	0	9.7	0	1.0	-1	0.332	1	3.129	1	9.431	1	2118	45	2.2
15555.3	10000	38.9813	95.8410	-353	PW	3.0	0	10.1	0	1.0	-1	0.299	0	2.913	1	9.734	2	2119	37	2.2
15555.4	10000	38.9813	95.8403	-348	PW	2.9	0	10.2	0	1.0	-1	0.286	0	2.809	1	9.816	2	2111	51	2.2
15555.5	10000	38.9814	95.8396	-343	PW	2.8	0	10.2	0	1.1	-1	0.273	-1	2.598	0	9.501	1	2108	46	2.2
15555.6	10000	38.9814	95.8388	-335	PW	2.7	-1	10.0	0	1.1	-1	0.267	-1	2.388	0	8.935	1	2138	53	2.2
15555.7	10000	38.9814	95.8381	-330	PW	2.7	-1	10.5	1	1.2	0	0.253	-1	2.254	0	8.922	1	2160	53	2.2
15555.8	10000	38.9814	95.8374	-323	PW	2.7	-1	10.5	1	1.2	0	0.259	-1	2.238	0	8.642	0	2186	57	2.2
15555.9	10000	38.9814	95.8366	-319	PW	2.7	-1	10.6	1	1.3	1	0.257	-1	2.079	-1	8.087	0	2218	52	2.2
15556.0	10000	38.9814	95.8359	-311	PW	2.9	0	10.1	0	1.3	1	0.291	0	2.248	0	7.713	0	2225	41	2.2
15556.1	10000	38.9814	95.8352	-306	PW	2.9	0	9.7	0	1.4	1	0.299	0	2.155	-1	7.209	-1	2227	44	2.2
15556.2	10000	38.9814	95.8344	-301	PW	3.0	0	9.6	0	1.4	1	0.316	0	2.228	0	7.052	-1	2221	52	2.2
15556.3	10000	38.9814	95.8337	-295	PW	2.8	0	9.8	0	1.4	1	0.290	0	2.049	-1	7.065	-1	2211	51	2.2
15556.4	10000	38.9815	95.8330	-291	PW	2.9	0	10.1	0	1.3	1	0.284	0	2.163	-1	7.606	-1	2201	42	2.2
15556.5	10000	38.9815	95.8322	-285	PW	2.8	0	10.5	1	1.3	1	0.265	-1	2.088	-1	7.885	0	2189	50	2.3
15556.6	10000	38.9815	95.8315	-282	PW	2.7	-1	10.9	1	1.3	1	0.249	-1	2.036	-1	8.175	0	2177	50	2.3
15556.7	10000	38.9815	95.8308	-277	PW	2.7	-1	11.5	2	1.4	1	0.236	-1	1.994	-1	8.447	0	2178	54	2.3
15556.8	10000	38.9815	95.8300	-275	PW	2.8	0	11.5	2	1.4	1	0.241	-1	2.031	-1	8.426	0	2183	33	2.3
15556.9	10000	38.9815	95.8293	-272	PW	2.5	-1	11.3	1	1.4	1	0.219	-2	1.805	-1	8.234	0	2177	47	2.3
15557.0	10000	38.9815	95.8286	-270	PW	2.7	-1	11.1	1	1.4	1	0.246	-1	2.009	-1	8.176	0	2184	47	2.3
15557.1	10000	38.9815	95.8279	-269	PW	2.8	0	10.9	1	1.4	1	0.257	-1	2.006	-1	7.814	0	2184	51	2.3
15557.2	10000	38.9815	95.8271	-266	PW	2.8	0	10.3	1	1.4	1	0.274	-1	2.042	-1	7.444	-1	2173	44	2.3
15557.3	10000	38.9816	95.8264	-267	PW	3.0	0	10.0	1	1.4	1	0.300	0	2.185	-1	7.287	-1	2182	45	2.3
15557.4	10000	38.9816	95.8257	-267	PW	3.0	0	9.7	1	1.4	1	0.300	0	2.139	-1	7.139	-1	2188	49	2.3
15557.5	10000	38.9816	95.8249	-267	PW	2.9	0	9.8	1	1.4	1	0.306	0	2.200	-1	7.192	-1	2186	42	2.3
15557.6	10000	38.9816	95.8242	-269	PW	2.8	0	10.4	1	1.4	1	0.295	0	2.219	-1	7.523	-1	2182	43	2.3
15557.7	10000	38.9816	95.8235	-270	PW	2.8	0	10.4	1	1.4	1	0.284	0	2.178	-1	7.660	-1	2159	44	2.3
15557.8	10000	38.9816	95.8227	-272	PW	2.8	0	9.9	1	1.3	1	0.301	0	2.244	-1	7.448	-1	2146	35	2.3
15557.9	10000	38.9816	95.8220	-275	PW	2.8	0	9.8	1	1.4	1	0.283	0	2.101	-1	7.434	-1	2144	49	2.3
15558.0	10000	38.9816	95.8213	-276	PW	2.7	0	9.7	1	1.4	1	0.275	-1	1.976	-1	7.181	-1	2132	47	2.3
15558.1	10000	38.9816	95.8205	-280	PW	2.7	0	9.9	1	1.3	1	0.278	-1	1.959	-1	7.055	-1	2122	38	2.3
15558.2	10000	38.9816	95.8198	-283	PW	2.5	0	9.9	1	1.3	1	0.248	-1	1.820	-1	7.338	-1	2121	47	2.3
15558.3	10000	38.9817	95.8191	-282	PW	2.5	-1	9.9	1	1.3	1	0.262	-1	1.821	-1	6.937	-1	2129	53	2.3
15558.4	10000	38.9817	95.8183	-285	PW	2.5	-1	9.9	1	1.3	1	0.263	-1	1.833	-1	6.979	-1	2127	58	2.3
15558.5	10000	38.9817	95.8176	-291	PW	2.4	-1	9.9	1	1.3	1	0.259	-1	1.775	-1	6.856	-1	2132	52	2.3
15558.6	10000	38.9817	95.8168	-297	PW	2.6	-1	9.9	1	1.3	1	0.283	-1	1.892	-1	6.682	-1	2112	48	2.3
15558.7	10000	38.9817	95.8160	-302	PW	2.6	-1	9.9	1	1.3	1	0.277	-1	1.980	-1	7.159	-1	2099	39	2.3
15558.8	10000	38.9817	95.8152	-304	PW	2.5	-1	9.9	1	1.3	1	0.269	-1	2.034	-1	7.570	-1	2063	48	2.3
15558.9	10000	38.9817	95.8145	-308	PW	2.4	-1	9.9	1	1.3	1	0.263	-1	1.928	-1	7.318	-1	2002	38	2.3
15559.0	10000	38.9817	95.8137	-313	PW	2.4	-1	9.9	1	1.3	1	0.270	-1	2.054	-1	7.594	-1	1953	41	2.3
15559.1	10000	38.9817	95.8129	-316	PW	2.3	-1	9.8	1	1.3	1	0.260	-1	1.888	-1	7.272	-1	1950	54	2.3
15559.2	10000	38.9818	95.8121	-321	PW	2.2	-1	9.8	1	1.3	1	0.235	-2	1.678	-2	7.130	-1	1956	48	2.3
15559.3	10000	38.9818	95.8113	-325	PW	2.2	-1	9.8	1	1.3	1	0.230	-2	1.724	-2	7.498	-1	1968	46	2.3
15559.4	10000	38.9818	95.8106	-328	PW	2.2	-1	9.8	1	1.3	1	0.225	-2	1.660	-2	7.381	-1	1971	36	2.3
15559.5	10000	38.9818	95.8098	-333	PW	2.1	-1	9.8	1	1.3	1	0.251	-1	1.841	-1	7.336	-1	1999	51	2.3
15559.6	10000	38.9818	95.8090	-336	PW	2.6	-1	9.5	1	1.3	1	0.269	-1	2.044	-1	7.595	-1	2051	46	2.3

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15559.7	10000	38.9818	95.8082	-339	PW	2.6	-1	9.7	0	1.3	0	0.265	-1	2.046	-1	7.709	0	2077	57	2.3
15559.8	10000	38.9818	95.8074	-343	PW	2.5	-1	9.8	0	1.3	0	0.259	-1	2.033	-1	7.843	0	2088	60	2.3
15559.9	10000	38.9818	95.8067	-346	PW	2.6	-1	10.0	0	1.2	0	0.262	-1	2.161	-1	8.261	0	2077	49	2.3
15560.0	10000	38.9818	95.8059	-350	PW	2.7	-1	9.6	0	1.2	0	0.280	0	2.156	-1	7.705	0	2078	42	2.3
15560.1	10000	38.9818	95.8051	-352	PW	2.7	-1	9.9	0	1.3	0	0.268	-1	2.070	-1	7.732	0	2093	44	2.3
15560.2	10000	38.9818	95.8043	-353	PW	2.5	-1	10.0	0	1.3	1	0.254	-1	1.902	-1	7.501	-1	2113	49	2.3
15560.3	10000	38.9819	95.8035	-358	PW	2.6	-1	9.7	0	1.3	1	0.269	-1	1.970	-1	7.321	-1	2123	56	2.3
15560.4	10000	38.9819	95.8027	-362	PW	2.5	-1	9.7	0	1.3	1	0.260	-1	1.939	-1	7.451	-1	2148	40	2.3
15560.5	10000	38.9819	95.8020	-365	PW	2.6	-1	10.0	0	1.3	0	0.263	-1	2.020	-1	7.689	0	2162	32	2.3
15560.6	10000	38.9819	95.8012	-369	PW	2.9	0	10.2	0	1.3	1	0.281	0	2.189	-1	7.794	0	2200	32	2.3
15560.7	10000	38.9819	95.8004	-372	PW	2.8	0	10.5	1	1.2	0	0.271	-1	2.287	0	8.441	0	2231	43	2.3
15560.8	10000	38.9819	95.7996	-376	PW	2.9	0	10.3	0	1.2	0	0.283	0	2.349	0	8.299	0	2252	57	2.3
15560.9	10000	38.9819	95.7988	-381	PW	3.0	0	10.4	1	1.2	0	0.291	0	2.562	0	8.792	1	2253	41	2.3
15561.0	10000	38.9819	95.7981	-383	PW	3.0	0	10.6	1	1.2	0	0.279	0	2.433	0	8.722	1	2276	44	2.3
15561.1	10000	38.9819	95.7973	-388	PW	3.1	0	11.2	1	1.3	0	0.279	0	2.423	0	8.677	1	2307	48	2.3
15561.2	10000	38.9819	95.7965	-392	PW	3.1	0	11.3	1	1.3	1	0.273	-1	2.355	0	8.640	0	2324	41	2.2
15561.3	10000	38.9820	95.7957	-395	PW	2.9	0	11.3	1	1.3	1	0.258	-1	2.225	0	8.635	0	2319	48	2.2
15561.4	10000	38.9820	95.7949	-401	PW	2.8	0	11.4	2	1.4	1	0.243	-1	2.053	-1	8.449	0	2316	34	2.2
15561.5	10000	38.9820	95.7942	-405	PW	3.0	0	11.8	2	1.3	0	0.251	-1	2.302	0	9.176	1	2301	54	2.2
15561.6	10000	38.9820	95.7934	-410	PW	2.8	0	11.5	2	1.3	1	0.245	-1	2.085	-1	8.499	0	2295	45	2.2
15561.7	10000	38.9820	95.7926	-417	PW	2.6	-1	11.2	1	1.4	1	0.231	-1	1.891	-1	8.181	0	2282	42	2.2
15561.8	10000	38.9820	95.7918	-422	PW	2.5	-1	11.0	1	1.4	1	0.224	-2	1.826	-1	8.146	0	2256	43	2.2
15561.9	10000	38.9820	95.7910	-429	PW	2.5	-1	10.6	1	1.4	1	0.234	-1	1.832	-1	7.829	0	2244	42	2.2
15562.0	10000	38.9820	95.7903	-436	PW	2.5	-1	10.8	1	1.4	1	0.228	-2	1.776	-1	7.784	0	2232	43	2.2
15562.1	10000	38.9820	95.7895	-441	PW	2.4	-1	11.0	1	1.4	1	0.214	-2	1.683	-2	7.872	0	2222	43	2.2
15562.2	10000	38.9820	95.7887	-448	PW	2.4	-1	10.7	1	1.5	2	0.221	-2	1.599	-2	7.232	-1	2229	46	2.2
15562.3	10000	38.9820	95.7879	-455	PW	2.3	-1	11.1	1	1.5	1	0.206	-2	1.552	-2	7.529	-1	2234	55	2.2
15562.4	10000	38.9821	95.7871	-461	PW	2.5	-1	11.3	1	1.4	1	0.225	-2	1.767	-1	7.858	0	2229	45	2.2
15562.5	10000	38.9821	95.7863	-469	PW	2.6	-1	11.0	1	1.4	1	0.241	-1	1.823	-1	7.576	-1	2229	58	2.2
15562.6	10000	38.9821	95.7856	-476	PW	2.7	-1	10.9	1	1.5	1	0.248	-1	1.857	-1	7.492	-1	2215	44	2.2
15562.7	10000	38.9821	95.7848	-482	PW	2.8	0	10.4	1	1.4	1	0.267	-1	1.963	-1	7.343	-1	2197	59	2.2
15562.8	10000	38.9821	95.7840	-489	PW	3.0	0	9.6	1	1.4	0	0.312	0	2.174	-1	6.958	-1	2187	56	2.2
15562.9	10000	38.9821	95.7832	-494	PW	3.2	0	9.6	1	1.4	1	0.335	0	2.375	0	7.087	-1	2184	36	2.2
15563.0	10000	38.9821	95.7824	-499	PW	3.7	0	9.1	1	1.4	1	0.405	1	2.701	1	6.666	-1	2163	53	2.2
15563.1	10000	38.9821	95.7816	-507	PW	3.7	0	9.8	1	1.3	2	0.419	1	2.835	1	6.759	-1	2137	42	2.2
15563.2	10000	38.9821	95.7809	-512	PW	3.9	0	8.8	1	1.3	2	0.452	1	2.997	1	6.634	-2	2135	60	2.1
15563.3	10000	38.9821	95.7801	-517	PW	3.8	0	8.6	1	1.3	3	0.453	1	2.982	1	6.576	-2	2137	40	2.1
15563.4	10000	38.9822	95.7793	-523	PW	3.8	0	8.4	1	1.3	3	0.464	1	2.858	1	6.163	-2	2133	46	2.1
15563.5	10000	38.9822	95.7785	-526	PW	3.7	0	8.3	1	1.3	2	0.412	1	2.676	1	6.487	-2	2134	46	2.1
15563.6	10000	38.9822	95.7777	-532	PW	3.7	0	8.0	1	1.4	2	0.393	1	2.435	0	6.199	-2	2108	42	2.1
15563.7	10000	38.9822	95.7770	-537	PW	3.4	0	8.0	1	1.3	1	0.342	0	2.255	0	6.600	-2	2115	53	2.1
15563.8	10000	38.9822	95.7762	-541	PW	3.4	0	8.1	1	1.4	1	0.331	0	2.187	-1	6.614	-2	2134	39	2.1
15563.9	10000	38.9822	95.7754	-545	PW	3.2	0	7.9	1	1.4	1	0.310	0	2.143	-1	6.907	-1	2135	47	2.1
15564.0	10000	38.9825	95.7746	-549	PW	3.2	0	8.2	1	1.3	1	0.329	0	2.364	0	7.189	-1	2142	47	2.1
15564.1	10000	38.9825	95.7738	-552	PW	3.1	0	8.1	1	1.3	1	0.316	0	2.332	0	7.382	-1	2168	40	2.1
15564.2	10000	38.9825	95.7731	-557	PW	3.1	0	7.9	1	1.3	1	0.308	0	2.310	0	7.504	-1	2171	34	2.1
15564.3	10000	38.9825	95.7723	-559	PW	3.0	0	7.9	1	1.3	1	0.297	0	2.259	0	7.600	-1	2189	46	2.1
15564.4	10000	38.9825	95.7715	-564	PW	3.0	0	7.8	1	1.3	1	0.311	0	2.323	0	7.442	-1	2208	40	2.1
15564.5	10000	38.9825	95.7707	-567	PW	2.9	0	7.8	1	1.3	1	0.296	0	2.190	0	7.518	-1	2209	40	2.1
15564.6	10000	38.9825	95.7699	-570	PW	2.5	-1	8.0	1	1.3	1	0.256	-1	1.890	-1	7.392	-1	2208	46	2.1
15564.7	10000	38.9825	95.7691	-574	PW	2.4	-1	8.0	1	1.3	1	0.236	-1	1.743	-2	7.213	-1	2213	41	2.1
15564.8	10000	38.9825	95.7684	-576	PW	2.1	-1	10.3	0	1.4	1	0.205	-2	1.[illegible]	-2	7.282	-1	2219	50	2.1

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15564.9	10000	38.9823	95.7676	-579	PW	2.1	-2	10.5	1	1.4	1	0.200	-2	1.450	-2	7.261	-1	2232	53	2.1
15565.0	10000	38.9823	95.7668	-583	PW	2.1	-2	10.8	1	1.4	1	0.190	-2	1.418	-2	7.468	-1	2233	50	2.1
15565.1	10000	38.9823	95.7660	-584	PW	1.8	-2	10.4	1	1.4	1	0.177	-3	1.282	-2	7.253	-1	2208	57	2.1
15565.2	10000	38.9823	95.7652	-587	PW	1.9	-2	10.3	0	1.5	2	0.180	-2	1.251	-3	6.941	-1	2212	51	2.1
15565.3	10000	38.9823	95.7645	-589	PW	2.1	-2	9.9	0	1.5	2	0.215	-2	1.455	-2	6.778	-1	2193	50	2.1
15565.4	10000	38.9823	95.7637	-590	PW	2.2	-2	9.1	-1	1.4	1	0.243	-1	1.567	-2	6.446	-2	2154	52	2.1
15565.5	10000	38.9824	95.7629	-592	PW	2.7	-1	8.9	-1	1.4	1	0.299	0	1.956	-1	6.535	-2	2117	40	2.1
15565.6	10000	38.9824	95.7621	-593	PW	2.7	0	8.7	-1	1.3	1	0.317	0	2.050	-1	6.474	-2	2094	47	2.1
15565.7	10000	38.9824	95.7613	-595	PW	2.6	-1	8.6	-1	1.4	1	0.306	0	1.899	-1	6.212	-2	2091	46	2.1
15565.8	10000	38.9824	95.7606	-597	PW	2.8	0	8.7	-1	1.4	1	0.326	0	2.019	-1	6.196	-2	2116	49	2.1
15565.9	10000	38.9824	95.7598	-597	PW	2.9	0	8.8	-1	1.4	1	0.331	1	2.022	-1	6.109	-2	2134	37	2.1
15566.0	10000	38.9824	95.7590	-599	PW	2.9	0	9.2	-1	1.5	1	0.309	0	1.964	-1	6.358	-2	2157	39	2.1
15566.1	10000	38.9824	95.7582	-600	PW	2.8	0	9.6	0	1.5	2	0.289	0	1.894	-1	6.564	-2	2178	49	2.1
15566.2	10000	38.9824	95.7574	-600	PW	2.6	-1	9.7	0	1.5	2	0.263	-1	1.742	-1	6.623	-2	2184	52	2.1
15566.3	10000	38.9824	95.7567	-601	PW	2.6	-1	9.6	0	1.5	2	0.271	-1	1.753	-1	6.476	-2	2184	51	2.1
15566.4	10000	38.9824	95.7559	-601	PW	2.9	0	9.9	0	1.4	1	0.293	0	2.027	-1	6.925	-1	2174	49	2.1
15566.5	10000	38.9824	95.7551	-601	PW	2.9	0	10.0	0	1.4	1	0.290	0	2.102	-1	7.249	-1	2156	54	2.1
15566.6	10000	38.9824	95.7543	-601	PW	2.7	0	10.4	1	1.4	1	0.263	-1	1.988	-1	7.550	-1	2148	43	2.1
15566.7	10000	38.9825	95.7535	-600	PW	2.6	-1	9.9	0	1.4	1	0.263	-1	1.867	-1	7.090	-1	2136	51	2.1
15566.8	10000	38.9825	95.7527	-601	PW	2.7	-1	10.1	0	1.4	1	0.266	-1	1.904	-1	7.155	-1	2136	46	2.1
15566.9	10000	38.9825	95.7520	-599	PW	2.9	0	10.1	0	1.4	1	0.286	0	2.016	-1	7.049	-1	2149	46	2.1
15567.0	10000	38.9825	95.7512	-598	PW	2.9	0	10.0	0	1.4	1	0.293	0	2.090	-1	7.133	-1	2156	49	2.1
15567.1	10000	38.9825	95.7504	-599	PW	2.9	0	9.6	0	1.5	2	0.304	0	1.991	-1	6.547	-2	2171	44	2.1
15567.2	10000	38.9825	95.7496	-596	PW	2.7	-1	9.1	-1	1.6	2	0.296	0	1.733	-2	5.855	-2	2174	35	2.1
15567.3	10000	38.9825	95.7488	-595	PW	3.2	0	8.6	-1	1.5	2	0.366	1	2.050	-1	5.606	-3	2177	56	2.1
15567.4	10000	38.9825	95.7481	-595	PW	3.5	1	8.8	-1	1.5	2	0.393	2	2.344	0	5.962	-2	2190	51	2.1
15567.5	10000	38.9825	95.7473	-593	PW	3.3	1	9.0	-1	1.5	1	0.365	1	2.269	0	6.209	-2	2208	46	2.1
15567.6	10000	38.9825	95.7465	-593	PW	3.1	0	9.4	0	1.5	2	0.331	1	2.081	-1	6.281	-2	2222	46	2.1
15567.7	10000	38.9826	95.7457	-591	PW	2.9	0	9.8	0	1.5	2	0.295	1	1.908	-1	6.476	-2	2234	43	2.1
15567.8	10000	38.9826	95.7449	-591	PW	2.7	0	10.4	1	1.5	2	0.256	1	1.818	-1	7.099	-1	2236	50	2.1
15567.9	10000	38.9826	95.7442	-591	PW	2.8	0	10.6	1	1.4	1	0.283	1	2.164	-1	7.648	-1	2231	53	2.1
15568.0	10000	38.9826	95.7434	-589	PW	2.7	0	10.4	1	1.4	1	0.265	1	2.025	-1	7.640	-1	2211	55	2.1
15568.1	10000	38.9826	95.7426	-590	PW	2.7	0	10.5	1	1.4	1	0.257	1	1.928	-1	7.505	-1	2203	48	2.1
15568.2	10000	38.9826	95.7418	-589	PW	2.7	0	10.2	1	1.4	1	0.262	1	1.902	-1	7.255	-1	2198	63	2.1
15568.3	10000	38.9826	95.7410	-589	PW	2.8	0	9.9	0	1.4	1	0.299	1	2.093	-1	6.985	-1	2196	42	2.1
15568.4	10000	38.9826	95.7402	-589	PW	2.7	0	9.5	0	1.4	1	0.284	1	2.263	-1	6.571	-2	2205	44	2.1
15568.5	10000	38.9826	95.7395	-589	PW	2.4	0	9.2	0	1.4	1	0.261	1	2.399	-1	6.459	-2	2222	48	2.1
15568.6	10000	38.9826	95.7387	-590	PW	2.3	0	9.1	0	1.4	1	0.253	1	2.280	-1	6.702	-1	2265	55	2.1
15568.7	10000	38.9826	95.7379	-589	PW	2.3	0	9.7	0	1.4	1	0.237	1	2.294	-1	6.758	-1	2282	51	2.1
15568.8	10000	38.9827	95.7371	-589	PW	2.3	0	9.7	0	1.4	1	0.237	1	2.370	-1	6.913	-1	2286	42	2.1
15568.9	10000	38.9827	95.7363	-590	PW	2.3	0	9.5	0	1.4	1	0.242	1	2.548	-1	6.927	-1	2290	42	2.1
15569.0	10000	38.9827	95.7356	-588	PW	2.5	0	10.1	0	1.4	1	0.247	1	2.408	-1	7.046	-1	2305	55	2.1
15569.1	10000	38.9827	95.7348	-589	PW	2.4	0	10.1	0	1.4	1	0.237	1	2.388	-1	7.204	-1	2297	57	2.1
15569.2	10000	38.9827	95.7340	-588	PW	2.4	0	9.9	0	1.4	1	0.242	1	2.268	-1	6.906	-1	2294	47	2.1
15569.3	10000	38.9827	95.7332	-588	PW	2.5	0	10.0	0	1.4	1	0.250	1	2.216	-1	6.817	-1	2273	43	2.1
15569.4	10000	38.9827	95.7324	-588	PW	2.5	0	10.0	0	1.4	1	0.252	1	2.043	-1	6.844	-1	2260	47	2.1
15569.5	10000	38.9827	95.7317	-586	PW	2.5	0	10.0	0	1.4	1	0.252	1	2.144	-1	6.774	-1	2247	44	2.1
15569.6	10000	38.9827	95.7309	-587	PW	2.5	0	10.0	0	1.4	1	0.252	1	2.078	-1	6.921	-1	2232	41	2.1
15569.7	10000	38.9827	95.7301	-587	PW	2.5	0	10.0	0	1.4	1	0.252	1	2.078	-1	7.014	-1	2218	38	2.1
15569.8	10000	38.9827	95.7293	-586	PW	2.5	0	10.0	0	1.4	1	0.252	1	2.075	-1	7.191	-1	2221	44	2.1
15569.9	10000	38.9828	95.7285	-586	PW	2.5	0	10.0	0	1.4	1	0.252	1	2.075	-1	7.112	-1	2240	44	2.1
15570.0	10000	38.9828	95.7278	-586	PW	2.5	0	10.0	0	1.4	1	0.252	1	2.122	-1	6.924	-1	2247	38	2.1

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15570.1	10000	38.9828	95.7270	-586	PW	3.1	0	10.3	0	1.5	1	0.300	0	2.121	-1	7.065	-1	2274	49	2.0
15570.2	10000	38.9828	95.7262	-588	PW	3.4	1	10.3	0	1.5	2	0.330	1	2.313	0	7.011	-1	2295	43	2.0
15570.3	10000	38.9828	95.7254	-587	PW	3.4	1	10.0	0	1.5	2	0.339	1	2.224	0	6.561	-2	2301	55	2.0
15570.4	10000	38.9828	95.7246	-588	PW	3.3	1	9.8	0	1.5	2	0.334	1	2.170	-1	6.507	-2	2294	41	2.0
15570.5	10000	38.9828	95.7238	-590	PW	3.6	1	10.1	0	1.5	2	0.356	1	2.425	0	6.815	-1	2298	44	2.0
15570.6	10000	38.9828	95.7231	-589	PW	3.4	1	9.8	0	1.4	1	0.348	1	2.406	0	6.909	-1	2272	45	2.0
15570.7	10000	38.9828	95.7223	-592	PW	3.5	1	9.9	0	1.4	1	0.348	1	2.469	0	7.089	-1	2263	46	2.0
15570.8	10000	38.9828	95.7215	-592	PW	3.6	1	9.6	0	1.4	1	0.373	1	2.664	0	7.132	-1	2245	49	2.0
15570.9	10000	38.9828	95.7207	-594	PW	3.5	1	9.6	0	1.4	1	0.367	1	2.593	0	7.066	-1	2247	57	2.0
15571.0	10000	38.9829	95.7199	-596	PW	3.6	1	10.4	1	1.4	1	0.343	1	2.632	0	7.668	0	2261	51	2.0
15571.1	10000	38.9829	95.7192	-597	PW	3.7	2	10.6	1	1.4	1	0.348	1	2.650	0	7.606	-1	2269	64	2.0
15571.2	10000	38.9829	95.7184	-599	PW	3.3	1	10.2	0	1.4	1	0.325	0	2.356	0	7.260	-1	2255	63	2.0
15571.3	10000	38.9829	95.7176	-601	PW	3.3	1	10.4	0	1.4	1	0.316	0	2.294	0	7.253	-1	2248	32	2.0
15571.4	10000	38.9829	95.7168	-602	PW	3.3	1	10.3	0	1.4	1	0.320	0	2.286	0	7.153	-1	2243	46	2.0
15571.5	10000	38.9829	95.7160	-605	PW	3.4	1	10.4	1	1.4	1	0.326	1	2.356	0	7.216	-1	2243	56	1.9
15571.6	10000	38.9829	95.7153	-607	PW	3.2	1	10.3	0	1.4	1	0.311	0	2.262	0	7.263	-1	2227	42	1.9
15571.7	10000	38.9829	95.7145	-608	PW	3.1	0	10.1	0	1.4	1	0.311	0	2.255	0	7.247	-1	2217	47	1.9
15571.8	10000	38.9829	95.7137	-611	PW	3.1	0	10.1	0	1.4	1	0.304	0	2.234	0	7.353	-1	2199	40	1.9
15571.9	10000	38.9829	95.7129	-610	PW	3.1	0	10.0	0	1.4	1	0.313	0	2.296	0	7.334	-1	2170	54	1.9
15572.0	10000	38.9829	95.7121	-612	PW	3.0	0	9.7	0	1.4	1	0.307	0	2.203	-1	7.166	-1	2141	49	1.9
15572.1	10000	38.9830	95.7113	-613	PW	2.9	0	9.7	0	1.3	1	0.299	0	2.157	-1	7.215	-1	2109	42	1.9
15572.2	10000	38.9830	95.7106	-613	PW	2.8	0	9.5	0	1.3	1	0.290	0	2.081	-1	7.165	-1	2090	50	1.9
15572.3	10000	38.9830	95.7098	-615	PW	2.9	0	9.4	0	1.3	1	0.308	0	2.217	-1	7.194	-1	2079	48	1.9
15572.4	10000	38.9830	95.7090	-616	PW	3.0	0	9.5	0	1.3	0	0.322	0	2.347	0	7.299	-1	2072	41	1.9
15572.5	10000	38.9830	95.7082	-617	PW	3.1	0	9.4	0	1.3	0	0.328	1	2.445	0	7.443	-1	2063	40	1.9
15572.6	10000	38.9830	95.7074	-618	PW	3.4	1	9.0	-1	1.3	0	0.373	1	2.599	0	6.974	-1	2083	51	1.9
15572.7	10000	38.9830	95.7066	-618	PW	3.5	1	8.8	-1	1.3	0	0.392	2	2.729	1	6.968	-1	2105	44	1.9
15572.8	10000	38.9830	95.7059	-619	PW	3.8	1	9.2	-1	1.3	0	0.421	2	3.072	1	7.305	-1	2125	50	1.8
15572.9	10000	38.9830	95.7051	-619	PW	3.7	1	9.4	-1	1.3	0	0.399	2	2.871	1	7.196	-1	2150	61	1.8
15573.0	10000	38.9830	95.7043	-619	PW	3.5	1	9.1	-1	1.3	0	0.378	2	2.747	1	7.269	-1	2173	46	1.8
15573.1	10000	38.9830	95.7035	-619	PW	3.5	1	9.4	-1	1.3	0	0.386	2	2.646	1	6.858	-1	2193	51	1.8
15573.2	10000	38.9831	95.7027	-618	PW	3.5	1	9.7	-1	1.3	0	0.373	2	2.626	1	7.042	-1	2223	33	1.8
15573.3	10000	38.9831	95.7020	-618	PW	3.6	1	9.8	-1	1.3	0	0.365	2	2.668	1	7.300	-1	2236	61	1.8
15573.4	10000	38.9831	95.7012	-618	PW	3.5	1	9.9	-1	1.3	0	0.375	2	2.760	1	7.356	-1	2253	53	1.8
15573.5	10000	38.9831	95.7004	-617	PW	3.5	1	9.9	-1	1.4	0	0.346	2	2.454	1	7.092	-1	2267	38	1.8
15573.6	10000	38.9831	95.6996	-617	PW	3.5	1	10.1	-1	1.4	0	0.352	2	2.541	1	7.225	-1	2263	45	1.8
15573.7	10000	38.9831	95.6988	-616	PW	3.5	1	10.2	-1	1.4	0	0.344	2	2.491	1	7.248	-1	2242	41	1.8
15573.8	10000	38.9831	95.6981	-614	PW	3.3	1	10.3	-1	1.4	0	0.317	2	2.318	1	7.319	-1	2219	33	1.8
15573.9	10000	38.9831	95.6973	-615	PW	3.5	1	10.5	-1	1.4	0	0.302	2	2.181	1	7.228	-1	2209	53	1.8
15574.0	10000	38.9831	95.6965	-613	PW	3.2	0	10.7	-1	1.4	0	0.285	2	2.244	1	7.427	-1	2219	48	1.8
15574.1	10000	38.9831	95.6957	-613	PW	3.2	0	10.8	-1	1.4	0	0.274	2	2.145	1	7.519	-1	2214	44	1.8
15574.2	10000	38.9832	95.6949	-613	PW	3.2	0	10.6	-1	1.4	0	0.305	2	2.190	1	7.981	-1	2209	43	1.8
15574.3	10000	38.9831	95.6942	-613	PW	3.2	0	10.5	-1	1.4	0	0.342	2	2.488	1	8.156	-1	2202	38	1.8
15574.4	10000	38.9832	95.6934	-613	PW	3.2	0	10.3	-1	1.4	0	0.338	2	2.805	1	8.203	-1	2218	40	1.8
15574.5	10000	38.9832	95.6926	-615	PW	3.2	0	10.3	-1	1.4	0	0.338	2	2.909	1	8.360	-1	2215	43	1.8
15574.6	10000	38.9832	95.6918	-616	PW	3.3	0	10.3	-1	1.4	0	0.338	2	2.972	1	8.729	-1	2200	47	1.7
15574.7	10000	38.9832	95.6910	-618	PW	3.4	0	10.3	-1	1.4	0	0.338	2	2.969	1	8.714	-1	2151	53	1.7
15574.8	10000	38.9832	95.6902	-620	PW	3.5	0	10.3	-1	1.4	0	0.338	2	2.967	1	8.743	-1	2083	48	1.7
15574.9	10000	38.9832	95.6895	-622	PW	3.5	0	10.3	-1	1.4	0	0.338	2	2.967	1	8.743	-1	2005	59	1.7
15575.0	10000	38.9832	95.6887	-624	PW	3.5	0	10.3	-1	1.4	0	0.338	2	2.967	1	8.743	-1	1930	62	1.7
15575.1	10000	38.9832	95.6879	-623	PW	3.5	0	10.3	-1	1.4	0	0.338	2	2.967	1	8.743	-1	1851	43	1.7
15575.2	10000	38.9832	95.6871	-622	PW	3.5	0	10.3	-1	1.4	0	0.338	2	2.967	1	8.743	-1	1795	66	1.7

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15575.3	10000	38.9832	95.6863	-609	PW	2.7	0	6.8	-3	1.0	-1	0.403	2	2.650	0	6.577	-2	1760	41	1.7
15575.4	10000	38.9832	95.6856	-572	PW	2.7	-1	6.9	-3	1.0	-1	0.387	2	2.605	0	6.727	-1	1752	49	1.7
15575.5	10000	38.9833	95.6848	-582	PW	2.6	-1	7.0	-3	1.1	-1	0.365	1	2.291	0	6.272	-2	1772	42	1.7
15575.6	10000	38.9833	95.6840	-626	PW	2.8	0	7.3	-3	1.1	-1	0.391	2	2.488	0	6.356	-2	1805	42	1.7
15575.7	10000	38.9833	95.6832	-637	PW	2.6	-1	7.5	-2	1.2	0	0.346	1	2.187	-1	6.313	-2	1837	42	1.7
15575.8	10000	38.9833	95.6824	-641	PW	2.7	-1	8.0	-2	1.2	0	0.337	1	2.300	0	6.820	-1	1882	42	1.7
15575.9	10000	38.9833	95.6817	-644	PW	2.9	0	8.4	-2	1.2	0	0.340	1	2.400	0	7.052	-1	1922	36	1.7
15576.0	10000	38.9833	95.6809	-645	PW	3.2	1	8.2	-2	1.2	0	0.388	2	2.673	0	6.894	-1	1962	31	1.7
15576.1	10000	38.9833	95.6801	-647	PW	3.2	1	8.5	-1	1.2	0	0.378	2	2.675	0	7.068	-1	1999	42	1.7
15576.2	10000	38.9833	95.6793	-649	PW	3.4	1	9.2	-1	1.2	0	0.368	1	2.865	1	7.788	0	2023	46	1.7
15576.3	10000	38.9833	95.6785	-653	PW	3.4	1	9.7	0	1.2	0	0.352	1	2.873	1	8.159	0	2062	58	1.7
15576.4	10000	38.9833	95.6778	-657	PW	3.8	2	10.2	0	1.2	0	0.377	2	3.163	1	8.401	0	2101	43	1.7
15576.5	10000	38.9833	95.6770	-658	PW	3.8	2	10.3	0	1.2	0	0.370	1	3.086	1	8.345	0	2127	57	1.7
15576.6	10000	38.9833	95.6762	-659	PW	3.8	2	10.3	0	1.2	0	0.373	1	3.203	2	8.577	0	2133	33	1.7
15576.7	10000	38.9833	95.6754	-661	PW	3.9	2	10.7	1	1.2	0	0.362	1	3.313	2	9.140	1	2141	44	1.7
15576.8	10000	38.9833	95.6747	-661	PW	3.8	2	10.7	1	1.2	0	0.352	1	3.166	1	8.991	1	2149	49	1.7
15576.9	10000	38.9834	95.6739	-663	PW	4.0	2	10.5	1	1.2	0	0.379	2	3.291	2	8.679	1	2162	44	1.7
15577.0	10000	38.9834	95.6731	-664	PW	3.7	1	10.0	0	1.2	0	0.366	1	3.007	1	8.207	0	2148	59	1.8
15577.1	10000	38.9834	95.6723	-663	PW	3.4	1	9.9	0	1.2	0	0.348	1	2.880	1	8.286	0	2134	59	1.8
15577.2	10000	38.9834	95.6715	-663	PW	3.7	1	9.8	0	1.2	0	0.373	1	3.029	1	8.112	0	2140	51	1.8
15577.3	10000	38.9834	95.6707	-658	PW	3.3	1	10.2	0	1.2	0	0.322	0	2.682	0	8.328	0	2160	34	1.8
15577.4	10000	38.9834	95.6700	-659	PW	3.2	0	10.2	0	1.3	0	0.313	0	2.522	0	8.057	0	2178	51	1.8
15577.5	10000	38.9834	95.6692	-665	PW	3.2	0	10.4	0	1.3	0	0.304	0	2.454	0	8.060	0	2198	41	1.8
15577.6	10000	38.9834	95.6684	-667	PW	2.9	0	10.2	0	1.3	0	0.284	0	2.307	0	8.127	0	2205	36	1.8
15577.7	10000	38.9834	95.6676	-669	PW	3.0	0	10.5	1	1.3	0	0.289	0	2.308	0	7.992	0	2219	48	1.8
15577.8	10000	38.9834	95.6669	-670	PW	3.2	1	10.4	1	1.3	0	0.309	1	2.437	0	7.883	0	2230	46	1.8
15577.9	10000	38.9834	95.6661	-670	PW	3.2	1	10.4	1	1.3	0	0.311	1	2.475	0	7.948	0	2221	40	1.8
15578.0	10000	38.9834	95.6653	-672	PW	3.5	1	10.0	0	1.3	0	0.352	1	2.726	1	7.747	0	2207	39	1.8
15578.1	10000	38.9834	95.6645	-671	PW	3.4	1	9.6	0	1.3	0	0.357	1	2.680	1	7.512	-1	2192	47	1.8
15578.2	10000	38.9834	95.6637	-672	PW	3.4	1	9.1	-1	1.2	0	0.381	2	2.815	1	7.392	-1	2158	45	1.8
15578.3	10000	38.9835	95.6629	-673	PW	3.6	1	9.4	0	1.3	0	0.378	2	2.820	1	7.470	-1	2174	38	1.8
15578.4	10000	38.9835	95.6622	-673	PW	3.6	1	9.6	0	1.2	0	0.370	1	2.970	1	8.037	0	2196	55	1.8
15578.5	10000	38.9835	95.6614	-674	PW	3.6	1	10.0	0	1.2	0	0.357	1	2.952	1	8.269	0	2217	38	1.8
15578.6	10000	38.9835	95.6606	-675	PW	3.4	1	10.1	0	1.2	0	0.338	1	2.845	1	8.410	0	2243	56	1.9
15578.7	10000	38.9835	95.6598	-675	PW	3.5	1	10.0	0	1.2	0	0.353	1	2.822	1	7.990	0	2261	49	1.9
15578.8	10000	38.9835	95.6591	-676	PW	3.8	2	10.1	0	1.2	0	0.373	1	3.058	1	8.188	0	2274	49	1.9
15578.9	10000	38.9835	95.6583	-676	PW	3.6	1	10.1	0	1.3	0	0.357	1	2.776	1	7.781	0	2288	33	1.9
15579.0	10000	38.9835	95.6575	-676	PW	3.5	1	9.8	0	1.2	0	0.354	1	2.774	1	7.831	0	2263	56	1.9
15579.1	10000	38.9835	95.6567	-678	PW	3.5	1	9.8	0	1.3	0	0.360	1	2.761	1	7.661	-1	2262	41	1.9
15579.2	10000	38.9835	95.6559	-677	PW	3.1	0	10.0	0	1.2	0	0.308	0	2.429	1	7.880	0	2247	40	1.9
15579.3	10000	38.9835	95.6552	-679	PW	3.2	0	10.0	0	1.2	0	0.316	0	2.574	1	8.150	0	2215	47	1.9
15579.4	10000	38.9835	95.6544	-678	PW	3.2	0	9.9	0	1.2	0	0.321	0	2.677	1	8.335	0	2170	43	1.9
15579.5	10000	38.9835	95.6536	-678	PW	2.9	0	9.8	0	1.2	0	0.292	0	2.450	1	8.392	0	2126	47	2.0
15579.6	10000	38.9835	95.6528	-678	PW	3.2	0	10.0	0	1.2	0	0.318	0	2.766	1	8.690	0	2101	40	2.0
15579.7	10000	38.9835	95.6520	-676	PW	3.2	0	10.0	0	1.2	0	0.319	0	2.699	1	8.454	0	2104	53	2.0
15579.8	10000	38.9835	95.6513	-675	PW	3.1	0	9.9	0	1.2	0	0.323	0	2.734	1	8.460	0	2099	39	2.0
15579.9	10000	38.9836	95.6505	-673	PW	3.5	1	9.8	0	1.2	0	0.354	1	2.913	1	8.237	0	2118	54	2.0
15580.0	10000	38.9836	95.6497	-679	PW	3.3	1	10.1	0	1.2	0	0.330	1	2.736	1	8.290	0	2137	53	2.0
15580.1	10000	38.9836	95.6489	-681	PW	3.2	0	10.6	1	1.3	0	0.298	0	2.544	1	8.551	0	2178	51	2.0
15580.2	10000	38.9836	95.6481	-681	PW	3.0	0	10.8	1	1.3	0	0.273	-1	2.313	1	8.482	0	2213	53	2.0
15580.3	10000	38.9836	95.6474	-681	PW	2.7	0	11.0	1	1.3	0	0.248	-1	2.149	-1	8.671	0	2234	41	2.0
15580.4	10000	38.9836	95.6466	-680	PW	2.7	0	11.1	1	1.3	0	0.247	-1	2.111	-1	8.545	0	2234	49	2.0

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15580.5	10000	38.9836	95.6458	-680	PW	2.6	-1	11.1	1	1.4	1	0.235	-1	1.904	-1	8.088	0	2236	50	2.0
15580.6	10000	38.9836	95.6450	-680	PW	2.6	-1	10.7	1	1.3	1	0.242	-1	1.943	-1	8.023	0	2213	48	2.0
15580.7	10000	38.9836	95.6442	-679	PW	2.8	0	10.5	1	1.4	1	0.262	-1	1.981	-1	7.554	-1	2216	47	2.1
15580.8	10000	38.9836	95.6435	-679	PW	2.6	-1	10.3	1	1.4	1	0.255	-1	1.869	-1	7.317	-1	2235	45	2.1
15580.9	10000	38.9836	95.6427	-677	PW	2.9	0	10.4	1	1.4	1	0.282	0	2.073	-1	7.345	-1	2237	50	2.1
15581.0	10000	38.9836	95.6419	-677	PW	3.2	0	10.4	1	1.4	1	0.302	0	2.259	0	7.471	-1	2235	43	2.1
15581.1	10000	38.9836	95.6411	-676	PS	3.2	0	10.4	1	1.4	1	0.306	0	2.351	-1	7.678	-1	2235	55	2.1
15581.2	10000	38.9836	95.6404	-674	PS	3.2	0	10.3	1	1.3	1	0.310	0	2.477	0	7.992	0	2212	47	2.1
15581.3	10000	38.9836	95.6396	-675	PS	3.0	0	10.1	1	1.3	1	0.296	-1	2.247	-1	7.586	-1	2212	51	2.1
15581.4	10000	38.9836	95.6388	-674	PS	2.9	0	10.1	1	1.3	0	0.292	-1	2.311	-1	7.914	0	2192	56	2.1
15581.5	10000	38.9837	95.6380	-673	PS	3.2	0	10.1	1	1.3	0	0.320	0	2.515	0	7.868	0	2164	35	2.1
15581.6	10000	38.9837	95.6372	-673	PS	3.1	0	9.7	1	1.2	0	0.323	0	2.521	0	7.817	0	2146	37	2.1
15581.7	10000	38.9837	95.6364	-670	PS	2.8	-1	9.2	1	1.3	0	0.306	-1	2.174	-1	7.111	-1	2127	37	2.1
15581.8	10000	38.9837	95.6357	-671	PS	2.8	-1	9.3	1	1.3	0	0.300	-1	2.122	-1	7.078	-1	2122	50	2.1
15581.9	10000	38.9837	95.6349	-670	PS	2.8	-1	9.6	1	1.4	0	0.294	-1	2.079	-1	7.075	-1	2145	64	2.1
15582.0	10000	38.9837	95.6341	-668	PS	2.9	0	9.6	1	1.3	0	0.301	0	2.184	-1	7.255	-1	2151	64	2.2
15582.1	10000	38.9837	95.6333	-668	PS	3.0	0	9.5	1	1.4	0	0.317	0	2.216	-1	6.983	-1	2158	48	2.2
15582.2	10000	38.9837	95.6326	-666	PS	3.0	0	9.4	1	1.3	0	0.317	0	2.243	-1	7.070	-1	2175	53	2.2
15582.3	10000	38.9837	95.6318	-664	PS	3.0	0	10.0	1	1.4	0	0.306	0	2.252	-1	7.356	-1	2187	50	2.2
15582.4	10000	38.9837	95.6310	-663	PS	3.1	0	10.1	1	1.3	0	0.310	0	2.349	-1	7.580	-1	2186	41	2.2
15582.5	10000	38.9837	95.6302	-660	PS	3.1	0	9.9	1	1.3	0	0.322	0	2.420	-1	7.522	-1	2160	62	2.2
15582.6	10000	38.9837	95.6294	-659	PS	3.2	0	9.9	1	1.2	0	0.348	0	2.638	0	7.584	-1	2124	55	2.2
15582.7	10000	38.9837	95.6286	-656	PS	3.4	0	9.8	1	1.2	0	0.369	0	2.811	0	7.623	-1	2099	43	2.2
15582.8	10000	38.9837	95.6279	-654	PS	3.3	0	9.7	1	1.2	0	0.379	0	2.759	0	7.284	-1	2085	44	2.2
15582.9	10000	38.9837	95.6271	-653	PS	3.2	0	9.4	1	1.2	0	0.388	0	2.689	0	6.928	-1	2050	39	2.2
15583.0	10000	38.9837	95.6263	-649	PS	3.0	0	9.2	1	1.2	0	0.369	0	2.478	0	6.717	-1	2042	59	2.2
15583.1	10000	38.9837	95.6255	-647	PS	3.1	0	9.2	1	1.2	0	0.371	0	2.452	0	6.610	-1	2053	51	2.2
15583.2	10000	38.9838	95.6248	-643	PS	3.1	0	8.8	1	1.3	0	0.351	0	2.325	-1	6.632	-1	2085	54	2.2
15583.3	10000	38.9838	95.6240	-640	PS	2.9	-1	8.7	1	1.4	1	0.332	0	2.097	-1	6.317	-2	2119	40	2.2
15583.4	10000	38.9838	95.6232	-638	PS	2.7	-1	9.1	1	1.4	0	0.295	-1	1.952	-1	6.627	-1	2132	38	2.2
15583.5	10000	38.9838	95.6224	-634	PS	2.8	-1	9.3	1	1.3	0	0.304	-1	2.103	-1	6.913	-1	2131	60	2.2
15583.6	10000	38.9838	95.6216	-631	PS	2.7	-1	9.4	1	1.3	0	0.289	-1	2.027	-1	7.003	-1	2129	50	2.2
15583.7	10000	38.9838	95.6208	-627	PS	3.0	0	9.4	1	1.3	0	0.325	0	2.225	-1	6.845	-1	2113	51	2.2
15583.8	10000	38.9838	95.6201	-623	PS	3.0	0	9.4	1	1.3	0	0.319	0	2.310	0	7.242	-1	2113	44	2.2
15583.9	10000	38.9838	95.6193	-621	PS	3.0	0	9.3	1	1.3	0	0.320	0	2.315	0	7.235	-1	2096	59	2.2
15584.0	10000	38.9838	95.6185	-616	PS	2.9	0	9.1	1	1.2	0	0.324	0	2.381	0	7.352	-1	2066	43	2.2
15584.1	10000	38.9838	95.6177	-611	PS	3.0	0	8.9	1	1.3	0	0.333	0	2.354	0	7.076	-1	2072	46	2.2
15584.2	10000	38.9838	95.6170	-607	PS	3.0	0	9.2	1	1.2	0	0.329	0	2.441	0	7.429	-1	2084	40	2.2
15584.3	10000	38.9838	95.6162	-603	PS	3.2	0	9.4	1	1.2	0	0.336	0	2.592	0	7.717	0	2093	47	2.2
15584.4	10000	38.9838	95.6154	-601	PS	3.1	0	9.7	1	1.2	0	0.323	0	2.582	0	8.005	0	2118	49	2.2
15584.5	10000	38.9838	95.6146	-595	PS	3.4	0	9.6	1	1.2	0	0.344	0	2.793	0	8.124	0	2123	47	2.2
15584.6	10000	38.9838	95.6138	-590	PS	3.4	0	9.8	1	1.2	0	0.353	0	2.997	0	8.486	0	2148	53	2.2
15584.7	10000	38.9839	95.6131	-585	PS	3.6	0	10.0	1	1.1	0	0.363	0	3.206	0	8.834	0	2168	45	2.2
15584.8	10000	38.9838	95.6123	-579	PS	3.7	0	10.0	1	1.1	0	0.373	0	3.445	0	9.226	0	2161	46	2.2
15584.9	10000	38.9839	95.6115	-574	PS	3.3	0	10.3	1	1.1	0	0.325	0	3.030	0	9.334	0	2164	47	2.2
15585.0	10000	38.9839	95.6107	-567	PS	3.2	0	10.5	1	1.1	0	0.303	0	2.883	0	9.351	1	2172	35	2.2
15585.1	10000	38.9839	95.6099	-562	PS	3.2	0	10.4	1	1.1	0	0.307	0	2.918	0	9.511	1	2163	53	2.2
15585.2	10000	38.9839	95.6092	-557	PS	3.0	0	10.4	1	1.2	0	0.287	0	2.595	0	9.041	1	2175	54	2.2
15585.3	10000	38.9839	95.6084	-550	PS	3.0	0	10.8	1	1.2	0	0.277	-1	2.575	0	9.291	1	2170	47	2.2
15585.4	10000	38.9839	95.6076	-545	PS	2.9	0	11.1	1	1.2	0	0.262	-1	2.440	0	9.318	1	2155	54	2.2
15585.5	10000	38.9839	95.6068	-537	PS	2.8	0	10.7	1	1.2	0	0.261	-1	2.327	0	8.902	1	2154	52	2.2
15585.6	10000	38.9839	95.6060	-531	PS	2.9	0	10.5	1	1.3	0	0.277	-1	2.321	0	8.377	0	2153	48	2.2

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15585.7	10000	38.9839	95.6053	-524	PW	2.9	0	10.3	0	1.2	0	0.283	0	2.415	0	8.526	0	2136	40	2.2
15585.8	10000	38.9839	95.6045	-517	PW	3.2	0	10.2	0	1.2	0	0.312	0	2.637	0	8.460	0	2139	44	2.2
15585.9	10000	38.9839	95.6037	-510	PW	3.6	1	10.1	0	1.1	0	0.354	1	3.126	1	8.843	1	2131	49	2.2
15586.0	10000	38.9839	95.6029	-502	PW	3.6	1	9.6	0	1.1	-1	0.378	2	3.245	2	8.589	0	2114	35	2.2
15586.1	10000	38.9839	95.6021	-494	PW	3.7	1	9.5	0	1.1	-1	0.385	2	3.323	2	8.631	0	2116	53	2.2
15586.2	10000	38.9839	95.6014	-487	PW	3.8	2	9.8	0	1.1	-1	0.387	2	3.346	2	8.646	0	2122	48	2.1
15586.3	10000	38.9839	95.6006	-478	PW	3.9	2	9.7	0	1.1	-1	0.402	2	3.443	2	8.561	0	2125	52	2.1
15586.4	10000	38.9840	95.5998	-470	PW	3.1	2	9.7	0	1.2	0	0.417	2	3.503	2	8.408	0	2124	52	2.1
15586.5	10000	38.9840	95.5990	-461	PW	2.8	2	9.4	0	1.2	0	0.401	2	3.158	1	7.871	0	2110	47	2.1
15586.6	10000	38.9840	95.5982	-453	PW	2.5	1	9.4	0	1.2	0	0.372	1	2.949	1	7.930	0	2096	53	2.1
15586.7	10000	38.9840	95.5975	-443	PW	2.4	1	9.4	-1	1.2	0	0.359	1	2.788	1	7.770	0	2073	39	2.1
15586.8	10000	38.9840	95.5967	-434	PW	2.4	1	9.4	0	1.3	0	0.361	1	2.722	1	7.531	-1	2070	43	2.1
15586.9	10000	38.9840	95.5959	-425	PW	2.2	1	9.2	-1	1.2	0	0.352	1	2.604	0	7.398	-1	2057	51	2.1
15587.0	10000	38.9840	95.5951	-414	PS	2.1	0	9.4	0	1.2	0	0.329	0	2.511	0	7.629	-1	2045	39	2.1
15587.1	10000	38.9840	95.5943	-405	PS	2.1	0	9.4	0	1.2	0	0.328	0	2.515	0	7.674	-1	2046	47	2.1
15587.2	10000	38.9840	95.5936	-394	PS	2.0	0	9.5	0	1.2	0	0.319	0	2.469	0	7.733	0	2038	47	2.1
15587.3	10000	38.9840	95.5928	-384	PS	1.9	-1	9.7	0	1.3	0	0.297	-1	2.273	-1	7.644	-1	2037	46	2.1
15587.4	10000	38.9840	95.5920	-373	PS	2.0	0	10.1	0	1.3	1	0.294	-1	2.264	-1	7.708	0	2058	55	2.1
15587.5	10000	38.9840	95.5912	-362	PS	2.0	0	9.7	0	1.2	0	0.314	0	2.440	0	7.778	0	2053	56	2.1
15587.6	10000	38.9840	95.5904	-351	PS	2.0	0	10.0	0	1.2	0	0.301	0	2.409	-1	7.996	0	2058	51	2.1
15587.7	10000	38.9840	95.5897	-339	PS	2.1	0	10.1	0	1.2	0	0.310	0	2.548	0	8.220	0	2044	51	2.1
15587.8	10000	38.9840	95.5889	-328	PS	1.9	-1	10.2	1	1.2	0	0.281	-1	2.391	-1	8.514	0	2040	47	2.1
15587.9	10000	38.9840	95.5881	-315	PS	1.9	0	10.5	1	1.2	0	0.277	-1	2.415	-1	8.722	0	2052	34	2.1
15588.0	10000	38.9840	95.5873	-302	PS	2.1	0	9.9	0	1.2	0	0.316	0	2.637	0	8.335	0	2040	35	2.1
15588.1	10000	38.9841	95.5865	-287	PS	2.1	0	9.4	0	1.2	0	0.333	0	2.690	0	8.068	0	2028	45	2.1
15588.2	10000	38.9841	95.5858	-276	PS	2.1	0	9.4	0	1.2	0	0.329	0	2.672	0	8.123	0	2009	43	2.1
15588.3	10000	38.9841	95.5850	-266	PS	2.1	0	9.1	0	1.1	0	0.340	0	2.723	0	8.008	0	1994	48	2.1
15588.4	10000	38.9841	95.5842	-254	PS	2.1	0	8.9	-1	1.1	0	0.349	0	2.774	0	7.954	0	2007	39	2.1
15588.5	10000	38.9841	95.5834	-242	PS	2.5	1	8.8	-1	1.1	0	0.395	1	3.044	1	7.714	0	2033	50	2.1
15588.6	10000	38.9841	95.5826	-229	PS	2.6	1	8.7	-1	1.1	0	0.412	2	3.223	1	7.824	0	2043	45	2.1
15588.7	10000	38.9841	95.5819	-216	PS	2.5	1	9.3	0	1.1	0	0.381	1	3.206	1	8.415	0	2078	62	2.1
15588.8	10000	38.9841	95.5811	-201	PS	2.4	1	9.6	0	1.1	0	0.355	1	3.142	1	8.845	0	2095	46	2.1
15588.9	10000	38.9841	95.5803	-187	PS	2.5	1	9.6	0	1.1	0	0.364	1	3.077	1	8.462	0	2123	44	2.1
15589.0	10000	38.9841	95.5795	-173	PS	2.7	1	9.6	0	1.1	0	0.389	1	3.286	1	8.448	0	2124	51	2.1
15589.1	10000	38.9841	95.5788	-159	PS	2.4	1	9.8	0	1.2	0	0.349	1	2.848	1	8.153	0	2114	51	2.1
15589.2	10000	38.9841	95.5780	-146	PS	2.1	1	9.7	0	1.2	0	0.321	1	2.584	1	8.042	0	2089	44	2.0
15589.3	10000	38.9841	95.5772	-130	PS	1.9	0	9.6	0	1.2	0	0.297	1	2.355	1	7.929	0	2075	45	2.0
15589.4	10000	38.9842	95.5764	-117	PS	2.6	-1	9.8	0	1.2	0	0.266	1	2.176	1	8.182	0	2054	48	2.0
15589.5	10000	38.9842	95.5757	-102	PS	2.6	-1	9.5	0	1.2	0	0.271	1	2.170	1	7.996	0	2038	41	2.0
15589.6	10000	38.9842	95.5749	-89	PS	2.5	-1	9.8	0	1.2	0	0.252	1	2.148	1	8.529	0	2021	47	2.0
15589.7	10000	38.9842	95.5741	-74	PS	2.4	-2	9.6	0	1.1	0	0.246	1	2.095	1	8.510	0	2018	45	2.0
15589.8	10000	38.9842	95.5733	-58	PS	2.5	-1	9.7	0	1.1	0	0.254	1	2.168	1	8.536	0	2022	38	2.0
15589.9	10000	38.9842	95.5726	-44	PS	2.5	-1	9.1	0	1.1	0	0.276	1	2.229	1	8.071	0	2013	51	2.0
15590.0	10000	38.9842	95.5718	-28	PS	2.7	-1	9.3	0	1.1	0	0.288	1	2.408	1	8.360	0	2016	43	2.0
15590.1	10000	38.9842	95.5710	-15	PS	2.8	-1	9.4	0	1.1	0	0.301	1	2.493	1	8.277	0	2016	53	2.0
15590.2	10000	38.9843	95.5703	-4	PS	2.9	0	9.9	0	1.1	0	0.294	1	2.644	1	8.007	0	2002	40	2.0
15590.3	10000	38.9843	95.5695	8	PS	3.0	0	9.7	0	1.1	0	0.306	1	2.687	1	8.785	0	2016	38	2.0
15590.4	10000	38.9843	95.5687	20	PS	2.9	-1	9.8	0	1.1	0	0.294	1	2.582	1	8.774	0	2028	48	2.0
15590.5	10000	38.9843	95.5679	32	PS	3.0	-1	9.9	0	1.1	0	0.322	1	2.855	1	8.864	0	2017	41	2.0
15590.6	10000	38.9843	95.5672	44	PS	3.3	1	9.9	0	1.0	0	0.334	1	3.242	1	9.720	0	2017	42	2.0
15590.7	10000	38.9843	95.5664	56	PS	3.3	1	9.7	0	1.0	0	0.336	1	3.234	1	9.623	0	2017	44	2.0
15590.8	10000	38.9843	95.5656	68	PS	3.4	1	9.3	-1	1.0	-1	0.372	1	3.480	2	9.358	1	2012	58	2.0

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15590.9	10000	38.9843	95.5648	81	PW	3.3	1	8.9	-1	1.0	-1	0.376	2	3.310	2	8.806	1	2029	47	2.0
15591.0	10000	38.9844	95.5641	93	PW	3.3	1	9.2	-1	1.0	-1	0.361	1	3.284	2	9.095	1	2028	47	2.0
15591.1	10000	38.9844	95.5633	104	PW	3.3	1	9.2	-1	1.0	-2	0.359	1	3.372	2	9.385	1	1999	53	2.0
15591.2	10000	38.9844	95.5625	114	PW	3.2	1	9.3	-1	1.0	-1	0.342	1	3.175	1	9.275	1	1983	49	2.0
15591.3	10000	38.9844	95.5617	125	PW	2.9	0	9.0	-1	1.0	-1	0.326	0	2.817	1	8.644	0	1965	41	2.0
15591.4	10000	38.9844	95.5610	138	PW	2.9	0	8.8	-1	1.1	-1	0.333	1	2.740	1	8.242	0	1928	54	2.0
15591.5	10000	38.9844	95.5602	150	PW	2.9	0	8.7	-1	1.0	-1	0.333	1	2.762	1	8.298	0	1890	39	2.0
15591.6	10000	38.9844	95.5594	159	PW	3.0	0	8.2	-2	1.0	-2	0.369	1	3.077	1	8.351	0	1856	59	2.0
15591.7	10000	38.9844	95.5587	165	PW	2.9	0	7.6	-2	1.0	-1	0.386	2	2.880	1	7.466	-1	1828	42	2.0
15591.8	10000	38.9845	95.5579	170	PW	3.0	0	7.6	-2	1.0	-1	0.395	2	2.897	1	7.326	-1	1830	43	2.0
15591.9	10000	38.9845	95.5571	173	PW	2.9	0	7.4	-3	1.0	-1	0.395	2	2.798	1	7.083	-1	1838	41	2.0
15592.0	10000	38.9845	95.5563	177	PW	2.8	0	7.5	-2	1.0	-1	0.375	1	2.715	1	7.245	-1	1863	53	2.0
15592.1	10000	38.9845	95.5556	182	PW	2.8	0	7.5	-2	1.0	-1	0.372	1	2.681	0	7.202	-1	1886	46	2.0
15592.2	10000	38.9845	95.5548	186	PW	2.8	0	7.7	-2	1.1	-1	0.361	1	2.552	0	7.071	-1	1929	51	2.1
15592.3	10000	38.9845	95.5540	191	PW	2.5	-1	8.2	-2	1.2	0	0.305	0	2.020	-1	6.612	-2	1960	48	2.1
15592.4	10000	38.9845	95.5532	194	PW	2.5	-1	8.6	-1	1.2	0	0.287	0	2.031	-1	7.068	-1	1998	40	2.1
15592.5	10000	38.9845	95.5525	198	PW	2.3	-1	8.3	-2	1.3	0	0.277	-1	1.842	-1	6.648	-2	2016	61	2.1
15592.6	10000	38.9846	95.5517	204	PW	2.3	-1	8.5	-1	1.2	0	0.274	-1	1.899	-1	6.924	-1	2040	54	2.1
15592.7	10000	38.9846	95.5509	205	PW	2.5	-1	8.7	-1	1.3	0	0.283	0	1.956	-1	6.914	-1	2036	57	2.1
15592.8	10000	38.9846	95.5501	206	PW	2.6	-1	8.7	-1	1.2	0	0.300	0	2.167	-1	7.223	-1	2028	60	2.1
15592.9	10000	38.9846	95.5494	207	PW	2.5	-1	8.6	-1	1.2	0	0.288	0	2.035	-1	7.065	-1	2005	55	2.1
15593.0	10000	38.9846	95.5486	209	PW	2.7	-1	8.6	-1	1.1	-1	0.314	0	2.380	0	7.577	-1	1986	34	2.1
15593.1	10000	38.9846	95.5478	210	PW	2.7	-1	8.6	-1	1.2	0	0.310	0	2.303	0	7.428	-1	1964	45	2.1
15593.2	10000	38.9846	95.5471	210	PW	2.9	0	9.4	-1	1.1	-1	0.306	0	2.529	0	8.267	0	1952	50	2.0
15593.3	10000	38.9846	95.5463	211	QGD	2.9	0	9.1	0	1.2	0	0.318	0	2.469	0	7.753	0	1933	46	2.0
15593.4	10000	38.9847	95.5455	212	QGD	2.7	-1	9.1	0	1.2	-1	0.294	-1	2.289	0	7.796	0	1916	50	2.0
15593.5	10000	38.9847	95.5447	214	QGD	2.6	-1	9.5	0	1.2	0	0.273	-1	2.124	-1	7.777	0	1932	40	2.0
15593.6	10000	38.9847	95.5440	214	QGD	2.5	-1	9.2	0	1.2	0	0.269	-1	2.051	-1	7.621	0	1957	43	2.0
15593.7	10000	38.9847	95.5432	214	QGD	2.6	-1	9.2	0	1.2	0	0.274	-1	2.058	-1	7.513	0	1981	52	2.0
15593.8	10000	38.9847	95.5424	213	QGD	2.5	-1	9.2	0	1.2	0	0.260	-1	2.043	-1	7.852	0	1988	51	2.0
15593.9	10000	38.9847	95.5416	212	QGD	2.6	-1	9.4	0	1.2	0	0.265	-1	2.076	-1	7.837	0	1997	48	2.0
15594.0	10000	38.9847	95.5409	212	QGD	2.8	-1	9.6	0	1.2	0	0.273	-1	2.251	-1	8.259	1	2008	42	2.0
15594.1	10000	38.9847	95.5401	211	QGD	2.9	-1	9.6	0	1.2	0	0.316	-1	2.613	-1	8.259	1	2020	49	2.0
15594.2	10000	38.9848	95.5393	211	QGD	2.9	-1	9.5	0	1.2	0	0.330	-1	2.742	-1	8.299	1	2025	38	2.0
15594.3	10000	38.9848	95.5386	212	QGD	2.9	-1	9.4	0	1.2	0	0.329	-1	2.977	-1	8.044	1	2028	52	2.0
15594.4	10000	38.9848	95.5378	211	QGD	2.9	-1	9.3	0	1.2	0	0.310	-1	2.951	-1	8.525	1	2044	51	2.0
15594.5	10000	38.9848	95.5370	210	QGD	2.9	-1	9.2	0	1.2	0	0.336	-1	3.165	-1	8.421	1	2057	44	2.0
15594.6	10000	38.9848	95.5362	210	QGD	2.9	-1	9.2	0	1.2	0	0.346	-1	3.163	-1	8.141	1	2081	48	2.0
15594.7	10000	38.9848	95.5355	209	QGD	2.9	-1	9.2	0	1.2	0	0.345	-1	3.092	-1	8.964	1	2101	49	2.0
15594.8	10000	38.9848	95.5347	207	QGD	2.9	-1	9.2	0	1.2	0	0.322	-1	2.763	-1	8.583	1	2128	41	2.0
15594.9	10000	38.9848	95.5339	206	QGD	2.9	-1	9.2	0	1.2	0	0.321	-1	2.711	-1	8.453	1	2141	40	2.0
15595.0	10000	38.9849	95.5331	204	QGD	2.9	-1	9.2	0	1.2	0	0.359	-1	3.049	-1	8.500	1	2144	58	2.1
15595.1	10000	38.9849	95.5324	200	QGD	2.9	-1	9.2	0	1.2	0	0.364	-1	3.096	-1	8.144	1	2136	47	2.1
15595.2	10000	38.9849	95.5316	197	QGD	2.9	-1	9.2	0	1.2	0	0.383	-1	3.301	-1	7.866	1	2129	51	2.1
15595.3	10000	38.9849	95.5308	195	QGD	2.9	-1	9.2	0	1.2	0	0.360	-1	3.088	-1	8.010	1	2113	47	2.1
15595.4	10000	38.9849	95.5300	191	QGD	2.9	-1	9.2	0	1.2	0	0.344	-1	2.976	-1	8.034	1	2113	49	2.1
15595.5	10000	38.9849	95.5293	189	PPS	2.9	-1	9.2	0	1.2	0	0.347	-1	2.839	-1	8.179	1	2111	50	2.1
15595.6	10000	38.9849	95.5285	185	PPS	2.9	-1	9.2	0	1.2	0	0.356	-1	2.929	-1	8.222	1	2113	46	2.1
15595.7	10000	38.9849	95.5277	180	PPS	2.9	-1	9.2	0	1.2	0	0.331	-1	2.602	-1	7.857	0	2101	46	2.1
15595.8	10000	38.9850	95.5270	175	PPS	2.9	-1	9.2	0	1.2	0	0.356	-1	2.855	-1	8.017	1	2096	36	2.1
15595.9	10000	38.9850	95.5262	170	PPS	2.9	-1	9.2	0	1.2	0	0.343	-1	2.725	-1	7.946	1	2099	35	2.1
15596.0	10000	38.9850	95.5254	164	PPS	2.9	-1	9.2	0	1.2	0	0.382	-1	2.710	-1	7.102	-1	2104	40	2.0

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15596.1	10000	38.9850	95.5246	157	PS	3.6	1	8.9	-1	1.2	0	0.408	1	2.931	0	7.180	-1	2095	45	2.0
15596.2	10000	38.9850	95.5239	149	PS	3.6	1	8.9	-1	1.2	0	0.409	1	3.011	1	7.355	-1	2090	56	2.0
15596.3	10000	38.9850	95.5231	140	PS	3.5	1	8.8	-1	1.2	0	0.400	1	2.952	1	7.372	-1	2077	57	2.0
15596.4	10000	38.9850	95.5223	129	PS	3.4	1	9.1	0	1.2	0	0.368	1	2.844	0	7.734	0	2094	33	1.9
15596.5	10000	38.9850	95.5215	119	PS	3.2	1	8.8	-1	1.2	0	0.367	1	2.659	0	7.251	-1	2107	41	1.9
15596.6	10000	38.9851	95.5208	111	PS	3.2	1	8.9	-1	1.2	0	0.364	1	2.684	0	7.381	-1	2110	37	1.9
15596.7	10000	38.9851	95.5200	101	PS	3.3	0	9.2	0	1.2	0	0.365	1	2.810	0	7.697	0	2118	41	1.9
15596.8	10000	38.9851	95.5192	92	PS	3.2	0	9.2	0	1.2	0	0.348	0	2.639	0	7.592	-1	2126	51	1.9
15596.9	10000	38.9851	95.5184	83	PS	3.3	0	9.2	0	1.3	0	0.363	1	2.678	0	7.372	-1	2135	39	1.9
15597.0	10000	38.9851	95.5177	73	PS	3.6	1	8.9	-1	1.2	0	0.401	1	2.881	0	7.190	-1	2128	58	1.9
15597.1	10000	38.9851	95.5169	63	PS	3.7	1	8.7	-1	1.3	0	0.430	2	2.946	0	6.851	-1	2126	59	1.9
15597.2	10000	38.9851	95.5161	55	PS	3.7	1	8.8	-1	1.3	0	0.419	2	2.929	0	6.997	-1	2108	61	1.9
15597.3	10000	38.9851	95.5154	46	PS	3.6	1	9.1	-1	1.3	0	0.401	1	2.891	0	7.208	-1	2096	40	1.9
15597.4	10000	38.9852	95.5146	40	PS	3.6	1	9.5	0	1.2	0	0.383	1	2.954	1	7.722	0	2084	38	1.9
15597.5	10000	38.9852	95.5138	33	PS	3.5	1	9.7	0	1.2	0	0.362	1	2.826	0	7.801	0	2103	44	1.9
15597.6	10000	38.9852	95.5130	28	PS	3.5	1	10.0	0	1.3	0	0.351	0	2.772	0	7.905	0	2114	42	1.9
15597.7	10000	38.9852	95.5123	22	PS	3.2	1	10.1	0	1.3	0	0.316	0	2.514	0	7.946	0	2135	41	1.9
15597.8	10000	38.9852	95.5115	15	PS	3.3	1	10.4	1	1.3	0	0.321	0	2.628	0	8.192	0	2162	51	1.9
15597.9	10000	38.9852	95.5107	11	PS	3.5	1	10.7	1	1.3	0	0.323	0	2.707	0	8.376	0	2195	52	1.9
15598.0	10000	38.9852	95.5099	8	PS	3.5	1	10.8	1	1.3	0	0.328	0	2.798	0	8.519	0	2222	41	1.9
15598.1	10000	38.9853	95.5092	5	PS	3.5	1	10.7	1	1.3	0	0.326	0	2.689	0	8.247	0	2239	40	1.9
15598.2	10000	38.9853	95.5084	4	PS	3.9	2	10.5	1	1.3	0	0.377	1	3.113	1	8.264	0	2224	47	1.8
15598.3	10000	38.9853	95.5076	3	PS	4.1	2	9.6	0	1.2	0	0.421	2	3.361	1	7.982	0	2198	49	1.8
15598.4	10000	38.9853	95.5069	4	PS	4.0	2	9.7	0	1.2	0	0.411	2	3.275	1	7.967	0	2182	38	1.8
15598.5	10000	38.9853	95.5061	6	PS	3.9	2	9.2	0	1.3	0	0.428	2	3.111	1	7.268	-1	2154	48	1.8
15598.6	10000	38.9853	95.5053	8	PS	3.8	2	8.7	-1	1.2	0	0.438	2	3.074	1	7.018	-1	2135	42	1.8
15598.7	10000	38.9853	95.5045	12	PS	4.0	2	8.8	-1	1.3	0	0.476	3	3.124	1	6.570	-1	2125	40	1.8
15598.8	10000	38.9853	95.5038	16	PS	4.0	2	8.8	-1	1.3	0	0.486	3	3.170	1	6.528	-1	2130	42	1.8
15598.9	10000	38.9854	95.5030	22	PS	3.6	2	8.2	-1	1.3	0	0.442	2	2.872	1	6.491	-1	2134	33	1.8
15599.0	10000	38.9854	95.5022	28	PS	3.6	2	8.3	-1	1.3	0	0.433	2	2.867	1	6.921	-1	2167	50	1.8
15599.1	10000	38.9854	95.5014	36	PS	3.5	2	8.3	-1	1.3	0	0.423	2	2.731	1	6.907	-1	2191	57	1.8
15599.2	10000	38.9854	95.5007	44	PS	3.3	2	8.2	-1	1.3	0	0.402	2	2.642	1	7.024	-1	2216	40	1.8
15599.3	10000	38.9854	95.4999	53	PS	3.3	2	8.3	-1	1.3	0	0.397	2	2.458	1	7.007	-1	2215	51	1.8
15599.4	10000	38.9854	95.4991	63	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.423	1	6.990	-1	2214	48	1.8
15599.5	10000	38.9854	95.4984	72	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.357	1	6.789	-1	2182	42	1.8
15599.6	10000	38.9854	95.4976	82	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.390	1	6.911	-1	2172	55	1.8
15599.7	10000	38.9854	95.4968	92	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.585	1	6.790	-1	2151	33	1.8
15599.8	10000	38.9855	95.4960	104	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.671	1	6.832	-1	2132	42	1.8
15599.9	10000	38.9855	95.4953	116	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.832	1	7.086	-1	2115	64	1.8
15600.0	10000	38.9855	95.4945	125	PS	3.2	2	8.3	-1	1.3	0	0.385	2	3.012	1	7.307	-1	2112	48	1.8
15600.1	10000	38.9855	95.4937	135	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.914	1	7.728	-1	2104	44	1.8
15600.2	10000	38.9855	95.4929	145	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.789	1	8.045	-1	2107	56	1.8
15600.3	10000	38.9855	95.4922	155	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.870	1	7.785	-1	2097	42	1.8
15600.4	10000	38.9855	95.4914	166	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.574	1	7.883	-1	2103	40	1.8
15600.5	10000	38.9855	95.4906	184	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.381	1	7.057	-1	2115	48	1.8
15600.6	10000	38.9856	95.4899	203	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.302	1	7.853	-1	2133	43	1.8
15600.7	10000	38.9856	95.4891	194	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.426	1	7.884	-1	2158	56	1.8
15600.8	10000	38.9856	95.4883	196	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.435	1	7.668	-1	2186	56	1.8
15600.9	10000	38.9856	95.4875	201	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.401	1	7.756	-1	2220	44	1.8
15601.0	10000	38.9856	95.4868	206	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.302	1	7.026	-1	2244	41	1.8
15601.1	10000	38.9856	95.4860	211	PS	3.2	2	8.3	-1	1.3	0	0.385	2	2.094	1	6.483	-1	2239	41	1.8
15601.2	10000	38.9856	95.4852	216	PS	4.2	2	8.3	-1	1.3	0	0.506	3	3.331	1	7.613	-1	2214	47	1.8

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15601.3	10000	38.9856	95.4844	219	PS	4.2	2	9.2	0	1.2	0	0.456	2	3.493	2	7.665	-1	2166	46	1.8
15601.4	10000	38.9857	95.4837	221	PS	4.2	2	8.7	-1	1.2	0	0.485	3	3.576	2	7.369	-1	2140	47	1.8
15601.5	10000	38.9857	95.4829	224	PS	4.2	2	8.6	-1	1.2	0	0.485	3	3.466	2	7.141	-1	2132	44	1.8
15601.6	10000	38.9857	95.4821	226	PS	3.8	1	8.7	-1	1.2	0	0.435	2	3.040	1	6.985	-1	2139	56	1.8
15601.7	10000	38.9857	95.4814	226	PS	3.9	2	8.4	-1	1.3	0	0.465	2	3.131	1	6.735	-1	2160	51	1.8
15601.8	10000	38.9857	95.4806	224	PS	4.0	2	9.0	-1	1.3	1	0.443	2	3.082	1	6.956	-1	2192	41	1.8
15601.9	10000	38.9857	95.4798	223	PS	3.6	1	9.4	0	1.3	1	0.381	1	2.674	0	7.015	-1	2241	37	1.8
15602.0	10000	38.9857	95.4790	221	PS	3.6	1	9.7	0	1.4	1	0.375	1	2.603	0	6.944	-1	2298	47	1.8
15602.1	10000	38.9857	95.4783	217	PS	3.5	1	10.3	1	1.4	1	0.337	0	2.415	-1	7.176	-1	2339	43	1.8
15602.2	10000	38.9857	95.4775	211	PS	3.5	1	10.2	1	1.5	2	0.339	0	2.378	-1	7.021	-1	2363	42	1.8
15602.3	10000	38.9858	95.4767	204	PS	3.5	1	10.0	0	1.4	1	0.350	0	2.453	0	7.006	-1	2346	42	1.8
15602.4	10000	38.9858	95.4759	197	PS	3.2	0	10.3	1	1.5	2	0.312	0	2.182	-1	6.999	-1	2334	55	1.8
15602.5	10000	38.9858	95.4752	189	PS	3.1	0	10.0	0	1.4	1	0.309	0	2.178	-1	7.041	-1	2320	42	1.8
15602.6	10000	38.9858	95.4744	181	PS	3.4	0	10.2	1	1.4	1	0.329	0	2.325	-1	7.076	-1	2302	49	1.8
15602.7	10000	38.9858	95.4736	171	PS	3.1	0	10.4	1	1.5	2	0.295	-1	2.069	-1	7.021	-1	2294	31	1.8
15602.8	10000	38.9858	95.4728	162	PS	3.1	0	10.1	0	1.4	1	0.307	0	2.140	-1	6.966	-1	2273	48	1.8
15602.9	10000	38.9858	95.4721	151	PS	3.1	0	10.4	1	1.4	1	0.295	-1	2.241	-1	7.584	-1	2246	42	1.8
15603.0	10000	38.9858	95.4713	140	PS	3.1	0	10.7	1	1.4	1	0.287	-1	2.163	-1	7.541	-1	2260	41	1.8
15603.1	10000	38.9859	95.4705	127	PS	3.0	0	10.6	1	1.4	1	0.287	-1	2.147	-1	7.482	-1	2251	51	1.8
15603.2	10000	38.9859	95.4698	114	PS	3.3	0	11.0	1	1.4	1	0.297	-1	2.312	-1	7.779	0	2253	54	1.8
15603.3	10000	38.9859	95.4690	101	PS	3.2	0	10.9	1	1.4	1	0.297	-1	2.327	-1	7.839	0	2245	50	1.8
15603.4	10000	38.9859	95.4682	86	PS	3.5	1	11.0	1	1.4	1	0.315	0	2.562	0	8.129	0	2231	35	1.8
15603.5	10000	38.9859	95.4674	72	PS	3.4	1	10.7	1	1.3	1	0.318	0	2.569	0	8.082	0	2206	57	1.8
15603.6	10000	38.9859	95.4667	56	PS	3.4	1	10.3	1	1.4	1	0.334	0	2.534	0	7.585	-1	2181	41	1.8
15603.7	10000	38.9859	95.4659	39	PS	3.7	1	10.3	1	1.3	1	0.363	1	2.902	0	7.999	0	2163	61	1.8
15603.8	10000	38.9859	95.4651	23	PS	3.7	1	10.1	0	1.3	0	0.364	1	2.936	0	8.068	0	2147	44	1.8
15603.9	10000	38.9859	95.4643	6	PS	3.3	0	10.1	0	1.3	1	0.331	0	2.539	0	7.676	-1	2138	41	1.8
15604.0	10000	38.9859	95.4635	-11	PS	3.0	0	9.8	0	1.3	1	0.309	0	2.340	-1	7.579	-1	2143	39	1.8
15604.1	10000	38.9859	95.4627	-29	PS	2.8	-1	10.0	0	1.3	1	0.283	-1	2.172	-1	7.660	-1	2140	52	1.9
15604.2	10000	38.9859	95.4619	-48	PS	2.8	-1	10.0	0	1.3	1	0.275	-1	2.051	-1	7.468	-1	2136	50	1.9
15604.3	10000	38.9859	95.4612	-67	PS	2.6	-1	9.7	0	1.3	1	0.264	-1	1.916	-2	7.256	-1	2129	52	1.9
15604.4	10000	38.9859	95.4604	-86	PS	2.5	-1	9.4	0	1.4	1	0.261	-1	1.794	-2	6.861	-1	2109	44	1.9
15604.5	10000	38.9858	95.4596	-105	PS	2.6	-1	9.5	0	1.4	1	0.274	-1	1.892	-2	6.916	-1	2097	43	1.9
15604.6	10000	38.9858	95.4588	-123	PS	2.8	-1	9.1	0	1.3	1	0.306	0	2.079	-1	6.783	-1	2069	32	1.9
15604.7	10000	38.9858	95.4580	-140	PS	2.9	0	8.9	0	1.4	1	0.328	0	2.146	-1	6.539	-1	2058	49	1.9
15604.8	10000	38.9858	95.4572	-156	PS	2.9	0	8.8	0	1.3	1	0.375	1	2.428	-1	6.481	-1	2055	56	1.9
15604.9	10000	38.9858	95.4564	-178	PS	2.8	0	8.8	0	1.3	1	0.361	1	2.443	-1	6.759	-1	2066	36	1.9
15605.0	10000	38.9858	95.4556	-200	PS	2.9	0	9.1	0	1.3	1	0.376	1	2.729	-1	7.253	-1	2083	41	1.9
15605.1	10000	38.9858	95.4548	-218	PS	2.9	0	9.5	0	1.4	1	0.336	0	2.549	-1	7.588	-1	2086	45	1.9
15605.2	10000	38.9858	95.4540	-237	PS	2.9	0	9.5	0	1.3	1	0.345	0	2.678	-1	7.759	-1	2107	45	1.9
15605.3	10000	38.9857	95.4532	-256	PS	2.9	0	9.6	0	1.3	1	0.352	0	2.771	-1	7.873	-1	2138	45	1.9
15605.4	10000	38.9857	95.4524	-271	PS	2.9	0	9.6	0	1.3	1	0.349	0	2.856	-1	8.185	-1	2143	48	1.9
15605.5	10000	38.9857	95.4516	-289	PS	2.9	0	9.6	0	1.3	1	0.318	0	2.692	-1	8.461	-1	2145	64	1.9
15605.6	10000	38.9857	95.4508	-310	PS	2.9	0	9.7	0	1.3	1	0.349	0	2.903	-1	8.324	-1	2148	61	1.9
15605.7	10000	38.9857	95.4500	-326	PS	2.9	0	9.8	0	1.3	1	0.348	0	2.905	-1	8.351	-1	2160	44	1.9
15605.8	10000	38.9857	95.4492	-345	PS	2.9	0	9.6	0	1.3	1	0.381	0	3.031	-1	7.960	-1	2168	53	1.9
15605.9	10000	38.9857	95.4485	-362	PS	2.9	0	9.8	0	1.3	1	0.368	0	2.935	-1	7.985	-1	2164	33	1.9
15606.0	10000	38.9857	95.4477	-376	PS	2.9	0	9.8	0	1.3	1	0.325	0	2.734	-1	8.409	-1	2149	42	1.9
15606.1	10000	38.9856	95.4469	-393	PS	2.9	0	10.0	0	1.3	1	0.318	0	2.654	-1	8.348	-1	2134	50	1.9
15606.2	10000	38.9856	95.4461	-408	PS	2.9	0	10.0	0	1.3	1	0.315	0	2.566	-1	8.150	-1	2147	48	2.0
15606.3	10000	38.9856	95.4453	-422	PS	3.0	0	10.3	1	1.3	1	0.286	-1	2.365	-1	8.273	-1	2154	49	2.0
15606.4	10000	38.9856	95.4445	-437	PS	2.7	-1	10.5	1	1.3	1	0.260	-1	2.088	-1	8.039	-1	2148	44	2.0

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15606.5	10000	38.9856	95.4437	-452	PS	2.6	-1	10.8	1	1.3	1	0.239	-2	1.921	-2	8.043	0	2159	43	2.0
15606.6	10000	38.9856	95.4429	-465	PS	2.6	-1	10.4	1	1.3	1	0.249	-1	1.944	-1	7.800	0	2154	43	2.0
15606.7	10000	38.9856	95.4421	-479	PS	2.7	-1	10.1	0	1.4	1	0.273	-1	2.004	-1	7.348	-1	2158	59	2.0
15606.8	10000	38.9855	95.4413	-493	PS	2.8	-1	10.0	0	1.4	1	0.278	-1	2.033	-1	7.317	-1	2161	49	2.0
15606.9	10000	38.9855	95.4405	-505	PS	2.9	0	9.8	0	1.4	1	0.301	0	2.139	-1	7.104	-1	2121	65	2.0
15607.0	10000	38.9855	95.4397	-518	PS	2.8	-1	9.2	0	1.3	1	0.309	0	2.113	-1	6.845	-1	2082	36	2.0
15607.1	10000	38.9855	95.4389	-529	PS	2.9	0	8.5	-1	1.3	1	0.340	0	2.192	-1	6.439	-1	2062	58	2.0
15607.2	10000	38.9855	95.4382	-539	PS	3.2	0	8.4	-1	1.3	1	0.381	1	2.430	-1	6.378	-2	2049	49	2.0
15607.3	10000	38.9855	95.4374	-551	PS	3.1	0	8.6	-1	1.3	1	0.358	1	2.422	-1	6.758	-1	2047	45	2.0
15607.4	10000	38.9855	95.4366	-560	PS	3.1	0	9.0	-1	1.3	0	0.346	0	2.460	0	7.102	-1	2049	42	2.0
15607.5	10000	38.9855	95.4358	-569	PS	3.1	0	9.1	0	1.3	1	0.342	0	2.403	-1	7.021	-1	2064	59	2.0
15607.6	10000	38.9854	95.4350	-578	PS	3.1	0	9.2	0	1.3	1	0.334	0	2.275	-1	6.819	-1	2094	50	2.0
15607.7	10000	38.9854	95.4342	-586	PS	2.9	0	9.7	0	1.4	1	0.301	0	2.097	-1	6.963	-1	2130	52	2.0
15607.8	10000	38.9854	95.4334	-594	PS	2.8	-1	10.1	0	1.4	1	0.277	-1	2.039	-1	7.348	-1	2139	51	2.0
15607.9	10000	38.9854	95.4326	-602	PS	2.8	-1	10.2	1	1.3	1	0.268	-1	2.068	-1	7.705	0	2136	47	2.0
15608.0	10000	38.9854	95.4318	-607	PS	2.8	-1	9.9	0	1.3	1	0.279	-1	2.046	-1	7.336	-1	2129	48	2.0
15608.1	10000	38.9854	95.4310	-610	PS	2.8	-1	9.9	0	1.3	1	0.279	-1	2.070	-1	7.422	-1	2127	51	2.0
15608.2	10000	38.9854	95.4302	-617	PS	2.6	-1	9.3	0	1.3	1	0.283	-1	1.967	-1	6.961	-1	2115	55	2.0
15608.3	10000	38.9854	95.4294	-626	PS	2.5	-1	9.2	0	1.3	1	0.273	-1	1.902	-2	6.962	-1	2121	41	2.0
15608.4	10000	38.9853	95.4286	-633	PS	2.6	-1	9.0	-1	1.3	1	0.292	-1	2.007	-1	6.871	-1	2119	39	2.0
15608.5	10000	38.9853	95.4278	-638	PS	2.8	-1	9.3	0	1.3	1	0.302	0	2.168	-1	7.185	-1	2135	53	2.0
15608.6	10000	38.9853	95.4270	-643	PS	2.5	-1	9.6	0	1.3	1	0.258	-1	1.846	-2	7.161	-1	2165	46	2.0
15608.7	10000	38.9853	95.4263	-648	PS	2.5	-1	10.1	0	1.4	1	0.242	-2	1.774	-2	7.330	-1	2176	57	2.0
15608.8	10000	38.9853	95.4255	-652	PS	2.4	-1	10.1	0	1.4	1	0.241	-2	1.703	-2	7.073	-1	2182	49	2.0
15608.9	10000	38.9853	95.4247	-657	PS	2.6	-1	10.6	1	1.4	1	0.243	-1	1.803	-2	7.408	-1	2191	60	2.0
15609.0	10000	38.9853	95.4239	-662	PS	2.7	-1	10.9	1	1.4	1	0.254	-1	1.991	-2	7.848	-1	2169	44	2.0
15609.1	10000	38.9852	95.4231	-666	PS	2.9	-1	11.1	1	1.4	1	0.261	-1	2.249	-2	8.625	-1	2153	49	2.0
15609.2	10000	38.9852	95.4223	-671	PS	2.8	-1	11.1	1	1.3	1	0.268	-1	2.208	-2	8.249	-1	2125	46	2.0
15609.3	10000	38.9852	95.4215	-675	PS	2.9	-1	10.9	1	1.4	1	0.306	0	2.410	-2	7.866	-1	2087	53	2.0
15609.4	10000	38.9852	95.4207	-679	PS	3.0	-1	10.8	1	1.4	1	0.342	0	2.629	-2	7.686	-1	2084	42	2.0
15609.5	10000	38.9852	95.4199	-685	PS	3.1	-1	10.8	1	1.4	1	0.375	0	2.944	-2	7.854	-1	2064	41	2.0
15609.6	10000	38.9852	95.4191	-687	PS	3.1	-1	10.8	1	1.4	1	0.401	0	3.098	-2	7.725	-1	2044	50	2.0
15609.7	10000	38.9852	95.4183	-692	PS	3.1	-1	10.8	1	1.4	1	0.383	0	2.910	-2	7.595	-1	2035	46	2.0
15609.8	10000	38.9852	95.4175	-696	PS	3.1	-1	10.8	1	1.4	1	0.393	0	2.668	-2	6.787	-1	2038	49	2.0
15609.9	10000	38.9851	95.4167	-700	PS	3.1	-1	10.8	1	1.4	1	0.404	0	2.765	-2	6.840	-1	2029	54	2.0
15610.0	10000	38.9851	95.4160	-705	PS	3.1	-1	10.8	1	1.4	1	0.389	0	2.694	-2	6.925	-1	2023	53	2.0
15610.1	10000	38.9851	95.4152	-708	PS	3.1	-1	10.8	1	1.4	1	0.360	0	2.545	-2	7.077	-1	2005	38	2.0
15610.2	10000	38.9851	95.4144	-712	PS	3.1	-1	10.8	1	1.4	1	0.319	0	2.299	-2	7.212	-1	2009	47	2.0
15610.3	10000	38.9851	95.4136	-717	PS	3.1	-1	10.8	1	1.4	1	0.326	0	2.487	-2	7.631	-1	2008	39	2.0
15610.4	10000	38.9851	95.4128	-719	PS	3.1	-1	10.8	1	1.4	1	0.351	0	2.700	-2	7.701	-1	2017	38	2.0
15610.5	10000	38.9851	95.4120	-723	PS	3.1	-1	10.8	1	1.4	1	0.350	0	2.747	-2	7.850	-1	2021	52	2.0
15610.6	10000	38.9850	95.4112	-726	PS	3.1	-1	10.8	1	1.4	1	0.363	0	2.859	-2	7.878	-1	2036	43	2.0
15610.7	10000	38.9850	95.4104	-729	PS	3.1	-1	10.8	1	1.4	1	0.391	0	3.089	-2	7.904	-1	2041	55	2.0
15610.8	10000	38.9850	95.4096	-733	PS	3.1	-1	10.8	1	1.4	1	0.395	0	3.158	-2	7.994	-1	2036	49	2.0
15610.9	10000	38.9850	95.4088	-735	PS	3.1	-1	10.8	1	1.4	1	0.407	0	3.231	-2	7.906	-1	2054	43	2.0
15611.0	10000	38.9850	95.4080	-738	PS	3.1	-1	10.8	1	1.4	1	0.367	0	2.988	-2	8.115	-1	2076	53	2.0
15611.1	10000	38.9850	95.4072	-741	PS	3.1	-1	10.8	1	1.4	1	0.368	0	3.063	-2	7.790	-1	2095	46	2.0
15611.2	10000	38.9849	95.4064	-743	PS	3.1	-1	10.8	1	1.4	1	0.364	0	3.015	-2	7.393	-1	2110	44	2.0
15611.3	10000	38.9849	95.4056	-746	PS	3.1	-1	10.8	1	1.4	1	0.351	0	3.033	-2	7.270	-1	2116	59	2.0
15611.4	10000	38.9849	95.4048	-748	PS	3.1	-1	10.8	1	1.4	1	0.299	0	2.737	-2	7.470	-1	2126	42	2.0
15611.5	10000	38.9849	95.4041	-750	PS	3.1	-1	10.8	1	1.4	1	0.287	0	2.647	-2	7.202	-1	2167	43	2.0
15611.6	10000	38.9849	95.4033	-752	PS	3.0	-1	10.8	1	1.4	1	0.274	0	2.474	-2	7.190	-1	2167	51	2.0
						3.0	-1	10.8	1	1.4	1	0.274	0	2.183	-2					
						3.0	-1	10.8	1	1.4	1	0.274	0	2.151	-2					
						3.0	-1	10.8	1	1.4	1	0.274	0	-1	-1

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15611.7	10000	38.9849	95.4025	-753	PS	3.0	0	10.1	0	1.5	1	0.297	-1	2.078	-1	6.987	-1	2171	49	2.0
15611.8	10000	38.9849	95.4017	-755	PS	2.8	-1	10.0	0	1.4	1	0.284	-1	1.994	-1	7.023	-1	2152	48	2.0
15611.9	10000	38.9849	95.4009	-756	PS	2.7	-1	9.7	0	1.4	1	0.281	-1	1.942	-1	6.906	-1	2131	40	2.0
15612.0	10000	38.9849	95.4001	-757	PS	2.5	-1	9.6	0	1.4	1	0.257	-1	1.771	-2	6.882	-1	2128	57	2.0
15612.1	10000	38.9848	95.3993	-759	PS	2.5	-1	9.3	0	1.4	1	0.267	-1	1.733	-2	6.497	-1	2148	51	2.0
15612.2	10000	38.9848	95.3985	-760	PS	2.6	-1	8.9	-1	1.4	1	0.297	-1	1.893	-2	6.370	-2	2147	47	2.0
15612.3	10000	38.9848	95.3977	-762	PS	2.5	-1	8.8	-1	1.4	1	0.288	-1	1.811	-2	6.297	-2	2153	36	2.0
15612.4	10000	38.9848	95.3969	-762	PS	2.5	-1	8.7	-1	1.4	1	0.290	-1	1.800	-2	6.209	-2	2162	58	2.0
15612.5	10000	38.9848	95.3961	-763	PS	2.5	-1	9.1	0	1.4	1	0.276	-1	1.747	-2	6.332	-2	2181	51	2.0
15612.6	10000	38.9848	95.3953	-766	PS	2.6	-1	9.7	0	1.4	1	0.270	-1	1.848	-2	6.839	-1	2204	43	2.0
15612.7	10000	38.9848	95.3945	-767	PS	2.9	-1	9.5	0	1.4	1	0.300	0	2.032	-1	6.764	-1	2209	47	2.0
15612.8	10000	38.9847	95.3938	-770	PS	2.9	0	9.8	0	1.4	1	0.301	0	2.088	-1	6.935	-1	2203	53	2.0
15612.9	10000	38.9847	95.3930	-772	PS	3.0	0	9.9	0	1.4	1	0.304	0	2.152	-1	7.075	-1	2193	46	2.0
15613.0	10000	38.9847	95.3922	-773	PS	3.5	1	9.7	0	1.4	1	0.362	1	2.575	0	7.117	-1	2169	56	2.0
15613.1	10000	38.9847	95.3914	-775	PS	3.4	1	9.7	0	1.4	1	0.350	0	2.516	0	7.186	-1	2156	49	2.0
15613.2	10000	38.9847	95.3906	-776	PS	3.6	1	9.3	0	1.3	1	0.384	1	2.672	0	6.956	-1	2149	56	2.0
15613.3	10000	38.9847	95.3898	-779	PS	3.7	1	9.3	0	1.3	1	0.395	1	2.750	0	6.956	-1	2163	56	2.0
15613.4	10000	38.9847	95.3890	-781	PS	3.6	1	9.4	0	1.4	1	0.379	1	2.601	0	6.865	-1	2171	34	2.0
15613.5	10000	38.9847	95.3882	-784	PS	3.5	1	9.7	0	1.3	0	0.362	1	2.781	0	7.677	-1	2177	36	2.0
15613.6	10000	38.9846	95.3874	-786	PS	3.4	0	9.9	0	1.3	1	0.340	0	2.617	0	7.702	0	2187	43	2.0
15613.7	10000	38.9846	95.3866	-788	PS	3.0	0	10.0	0	1.3	1	0.297	-1	2.303	-1	7.746	0	2211	41	2.0
15613.8	10000	38.9846	95.3858	-791	PS	3.3	0	9.9	0	1.3	0	0.330	0	2.593	0	7.864	0	2212	43	2.0
15613.9	10000	38.9846	95.3850	-794	PS	3.3	0	10.1	0	1.2	0	0.327	0	2.734	0	8.357	0	2198	44	2.0
15614.0	10000	38.9846	95.3842	-797	PS	3.1	0	10.2	0	1.2	0	0.302	0	2.593	0	8.593	0	2190	41	2.0
15614.1	10000	38.9846	95.3834	-800	PS	3.0	0	10.4	1	1.2	0	0.292	-1	2.635	0	9.031	1	2188	38	2.0
15614.2	10000	38.9846	95.3826	-803	PS	3.0	0	10.6	1	1.3	0	0.281	-1	2.363	-1	8.411	0	2180	43	2.0
15614.3	10000	38.9845	95.3819	-806	PS	2.7	-1	10.4	1	1.2	0	0.257	-1	2.163	-1	8.410	0	2167	51	2.0
15614.4	10000	38.9845	95.3811	-809	PS	2.8	-1	10.6	1	1.2	0	0.266	-1	2.291	-1	8.619	0	2146	43	2.0
15614.5	10000	38.9845	95.3803	-812	PS	2.9	-1	10.4	1	1.3	0	0.285	-1	2.293	-1	8.053	0	2149	46	2.0
15614.6	10000	38.9845	95.3795	-817	PS	2.9	-1	10.4	0	1.3	0	0.283	-1	2.195	-1	7.755	0	2177	42	2.0
15614.7	10000	38.9845	95.3787	-819	PS	3.1	-1	10.4	0	1.4	0	0.294	-1	2.133	-1	7.256	-1	2168	46	2.0
15614.8	10000	38.9845	95.3779	-823	PS	3.4	-1	10.4	0	1.4	0	0.308	-1	2.289	-1	7.425	-1	2172	52	2.0
15614.9	10000	38.9845	95.3771	-827	PS	3.2	-1	9.9	-1	1.4	0	0.330	-1	2.345	-1	7.100	-1	2161	48	2.0
15615.0	10000	38.9845	95.3763	-829	PS	3.7	-1	9.5	-1	1.4	0	0.356	-1	2.616	-1	7.351	-1	2154	55	2.0
15615.1	10000	38.9844	95.3755	-834	PS	3.4	-1	9.5	-1	1.4	0	0.347	-1	2.548	-1	7.339	-1	2150	55	2.0
15615.2	10000	38.9844	95.3747	-838	PS	3.7	-1	9.5	-1	1.4	0	0.386	-1	2.240	-1	7.820	0	2140	53	2.0
15615.3	10000	38.9844	95.3739	-841	PS	3.7	-1	9.5	-1	1.4	0	0.387	-1	2.207	-1	7.697	0	2121	56	2.0
15615.4	10000	38.9844	95.3731	-845	PS	3.7	-1	9.5	-1	1.4	0	0.387	-1	2.295	-1	7.996	0	2126	48	2.0
15615.5	10000	38.9844	95.3723	-848	PS	3.7	-1	9.5	-1	1.4	0	0.387	-1	2.553	-1	7.931	0	2120	45	2.0
15615.6	10000	38.9844	95.3715	-852	PS	3.7	-1	9.5	-1	1.4	0	0.387	-1	2.825	-1	7.511	0	2134	55	2.0
15615.7	10000	38.9844	95.3707	-855	PS	3.7	-1	9.6	-1	1.4	0	0.387	-1	2.869	-1	7.585	0	2131	53	2.0
15615.8	10000	38.9844	95.3699	-859	PS	3.7	-1	9.5	-1	1.4	0	0.387	-1	2.814	-1	7.628	0	2139	56	2.0
15615.9	10000	38.9844	95.3691	-863	PS	3.7	-1	9.6	-1	1.4	0	0.387	-1	3.120	-1	7.093	0	2142	48	2.0
15616.0	10000	38.9844	95.3683	-867	PS	3.7	-1	9.5	-1	1.4	0	0.387	-1	3.201	-1	7.673	0	2141	53	2.0
15616.1	10000	38.9843	95.3675	-870	PS	3.7	-1	9.6	-1	1.4	0	0.387	-1	2.673	-1	7.912	0	2128	55	2.0
15616.2	10000	38.9843	95.3667	-874	PS	3.7	-1	9.5	-1	1.4	0	0.387	-1	2.669	-1	7.225	0	2111	55	2.0
15616.3	10000	38.9843	95.3658	-877	PS	3.7	-1	9.6	-1	1.4	0	0.387	-1	2.687	-1	7.350	0	2102	53	2.0
15616.4	10000	38.9843	95.3650	-881	PS	3.7	-1	9.5	-1	1.4	0	0.387	-1	2.716	-1	7.479	0	2112	53	2.0
15616.5	10000	38.9843	95.3642	-884	PS	3.7	-1	9.6	-1	1.4	0	0.387	-1	2.788	-1	7.652	0	2137	55	2.0
15616.6	10000	38.9843	95.3634	-887	PS	3.7	-1	9.5	-1	1.4	0	0.387	-1	2.579	-1	7.997	0	2154	53	2.0
15616.7	10000	38.9843	95.3626	-891	PS	3.7	-1	9.6	-1	1.4	0	0.387	-1	2.784	-1	7.699	0	2172	55	2.0
15616.8	10000	38.9843	95.3618	-892	PS	3.1	0	10.6	1	1.1	0	0.293	-1	2.503	-1	8.503	0	2130	44	2.0

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15616.9	10000	38.9843	95.3610	-896	PS	3.0	0	10.8	1	1.1	0	0.280	-1	2.663	0	9.502	1	2213	59	2.0
15617.0	10000	38.9843	95.3602	-899	PS	3.0	0	10.8	1	1.2	0	0.280	-1	2.614	0	9.330	1	2214	45	2.0
15617.1	10000	38.9843	95.3593	-901	PS	2.9	-1	10.9	1	1.2	0	0.263	-1	2.390	-1	9.090	1	2224	48	2.0
15617.2	10000	38.9843	95.3585	-904	PS	3.0	0	10.9	1	1.2	0	0.276	-1	2.426	-1	8.801	0	2232	40	2.0
15617.3	10000	38.9843	95.3577	-905	PS	2.9	0	11.2	1	1.3	0	0.263	-1	2.325	-1	8.827	0	2224	67	2.0
15617.4	10000	38.9843	95.3569	-907	PS	2.8	-1	11.4	2	1.3	1	0.244	-1	2.170	-1	8.894	0	2220	35	2.0
15617.5	10000	38.9843	95.3561	-910	PS	2.8	-1	11.6	2	1.2	0	0.239	-2	2.226	-1	9.322	1	2222	50	2.0
15617.6	10000	38.9842	95.3553	-910	PS	3.0	0	11.8	2	1.2	0	0.257	-1	2.429	-1	9.447	1	2211	48	2.0
15617.7	10000	38.9842	95.3545	-911	PS	3.2	0	11.7	2	1.2	0	0.271	-1	2.543	0	9.385	1	2238	38	2.0
15617.8	10000	38.9842	95.3537	-910	PS	3.2	0	11.6	2	1.2	0	0.278	-1	2.596	0	9.351	1	2240	57	2.0
15617.9	10000	38.9842	95.3528	-910	PS	3.1	0	11.3	1	1.2	0	0.278	-1	2.532	0	9.108	1	2234	42	2.0
15618.0	10000	38.9842	95.3520	-911	PS	2.9	0	11.1	1	1.2	0	0.262	-1	2.328	-1	8.896	0	2209	36	2.0
15618.1	10000	38.9842	95.3512	-913	PS	3.1	0	10.9	1	1.3	0	0.288	-1	2.472	0	8.592	0	2211	47	2.0
15618.2	10000	38.9842	95.3504	-915	PS	3.1	0	10.6	1	1.3	1	0.290	-1	2.343	-1	8.071	0	2218	39	2.0
15618.3	10000	38.9842	95.3496	-916	PS	3.0	0	10.1	0	1.4	1	0.300	0	2.196	-1	7.331	-1	2205	44	2.0
15618.4	10000	38.9842	95.3488	-917	PS	2.7	-1	9.7	0	1.4	1	0.280	-1	1.937	-1	6.918	-1	2158	48	2.0
15618.5	10000	38.9842	95.3480	-919	PS	2.8	-1	9.5	0	1.4	1	0.293	-1	1.994	-1	6.795	-1	2131	47	2.0
15618.6	10000	38.9842	95.3472	-920	PS	2.6	-1	9.6	0	1.3	1	0.271	-1	1.936	-1	7.145	-1	2094	54	2.0
15618.7	10000	38.9842	95.3463	-923	PS	2.8	-1	9.8	0	1.3	1	0.282	-1	2.093	-1	7.418	-1	2095	49	2.0
15618.8	10000	38.9842	95.3455	-924	PS	2.8	-1	10.0	0	1.3	1	0.281	-1	2.139	-1	7.624	-1	2098	49	2.0
15618.9	10000	38.9842	95.3447	-926	PS	3.0	0	10.0	0	1.3	1	0.298	-1	2.270	-1	7.618	-1	2098	54	2.0
15619.0	10000	38.9842	95.3439	-927	PS	2.9	0	10.0	0	1.2	0	0.289	-1	2.313	-1	8.009	0	2104	41	2.0
15619.1	10000	38.9841	95.3431	-929	PS	3.0	0	10.3	1	1.2	0	0.289	-1	2.448	0	8.459	0	2125	50	2.0
15619.2	10000	38.9841	95.3423	-930	PS	2.8	-1	11.0	1	1.3	0	0.259	-1	2.256	-1	8.715	0	2158	49	2.0
15619.3	10000	38.9841	95.3415	-931	PS	2.9	-1	10.9	1	1.3	1	0.265	-1	2.233	-1	8.420	0	2192	58	2.0
15619.4	10000	38.9841	95.3407	-932	PS	3.1	0	10.7	1	1.4	1	0.291	-1	2.295	-1	7.897	0	2218	43	2.0
15619.5	10000	38.9841	95.3398	-935	PS	2.9	0	10.6	1	1.3	1	0.278	-1	2.179	-1	7.833	0	2213	40	2.0
15619.6	10000	38.9841	95.3390	-935	PS	2.8	-1	10.5	1	1.4	1	0.264	-1	2.036	-1	7.709	0	2213	34	2.0
15619.7	10000	38.9841	95.3382	-937	PS	2.7	-1	10.5	1	1.4	1	0.256	-1	1.946	-1	7.596	-1	2215	49	2.0
15619.8	10000	38.9841	95.3374	-939	PS	2.5	-1	10.2	1	1.4	1	0.250	-1	1.823	-2	7.306	-1	2215	61	2.0
15619.9	10000	38.9841	95.3366	-941	PS	2.6	-1	9.9	0	1.4	1	0.266	-1	1.934	-1	7.257	-1	2191	39	2.0
15620.0	10000	38.9841	95.3358	-944	PS	2.7	-1	10.2	0	1.4	1	0.264	-1	1.920	-2	7.265	-1	2192	39	2.0
15620.1	10000	38.9841	95.3350	-945	PS	2.5	-1	10.1	1	1.4	1	0.245	-1	1.791	-2	7.320	-1	2184	41	2.0
15620.2	10000	38.9841	95.3342	-948	PS	2.6	-1	10.3	0	1.4	1	0.253	-1	1.865	-2	7.383	-1	2179	31	2.0
15620.3	10000	38.9841	95.3333	-949	PS	2.7	-1	9.8	0	1.4	1	0.274	-1	1.939	-1	7.078	-1	2140	46	2.0
15620.4	10000	38.9841	95.3325	-950	PS	2.7	-1	9.8	0	1.4	1	0.291	-1	2.014	-1	6.915	-1	2116	39	2.0
15620.5	10000	38.9841	95.3317	-953	PS	2.9	0	9.3	0	1.3	1	0.313	0	2.174	-1	6.936	-1	2103	42	2.0
15620.6	10000	38.9841	95.3309	-953	PS	3.1	0	8.8	0	1.3	1	0.357	1	2.336	-1	6.558	-1	2096	55	2.0
15620.7	10000	38.9840	95.3301	-955	PS	3.3	0	8.1	-1	1.3	1	0.411	2	2.578	0	6.277	-2	2070	38	2.0
15620.8	10000	38.9840	95.3293	-957	PS	3.4	1	8.2	-1	1.3	1	0.423	2	2.709	0	6.411	-2	2068	50	2.0
15620.9	10000	38.9840	95.3285	-957	PD	3.5	1	7.7	-2	1.3	1	0.451	2	2.755	0	6.104	-2	2071	50	2.0
15621.0	10000	38.9840	95.3277	-960	PD	3.4	0	8.0	-1	1.3	1	0.429	2	2.660	0	6.205	-2	2093	45	2.0
15621.1	10000	38.9840	95.3268	-961	PD	3.3	0	8.2	-1	1.3	1	0.401	1	2.462	-1	6.145	-2	2089	47	2.0
15621.2	10000	38.9840	95.3260	-961	PD	3.0	0	8.3	-1	1.3	1	0.356	1	2.238	-1	6.284	-2	2072	40	2.0
15621.3	10000	38.9840	95.3252	-963	PD	2.5	-1	8.4	-1	1.3	1	0.296	-1	1.894	-2	6.397	-2	2052	52	2.0
15621.4	10000	38.9840	95.3244	-964	PD	2.2	-2	8.7	-1	1.3	1	0.254	-1	1.721	-2	6.775	-2	2060	51	2.0
15621.5	10000	38.9840	95.3236	-965	PD	2.3	-2	8.8	-1	1.2	1	0.261	-1	1.796	-2	6.893	-1	2043	67	2.0
15621.6	10000	38.9840	95.3228	-966	PD	2.1	-2	8.8	-1	1.2	1	0.239	-2	1.716	-2	7.195	-1	2024	37	2.0
15621.7	10000	38.9840	95.3220	-965	PD	2.2	-2	8.8	-1	1.2	1	0.248	-2	1.873	-2	7.549	-1	2003	51	2.0
15621.8	10000	38.9840	95.3212	-967	PD	2.5	-1	8.8	-1	1.2	1	0.286	-1	2.186	-1	7.654	-1	1991	38	2.0
15621.9	10000	38.9840	95.3203	-967	PD	2.9	0	8.8	-1	1.2	1	0.355	0	2.596	-1	7.318	-1	2003	39	2.00
15622.0	10000	38.9840	95.3195	-967	PS	3.2	0	8.3	-1	1.1	0	0.386	1	2.874	0	7.450	-1	2010	56	2.0

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15622.1	10000	38.9840	95.3187	-969	PS	3.3	0	7.8	-2	1.2	0	0.415	2	2.803	0	6.755	-1	2000	55	2.0
15622.2	10000	38.9839	95.3179	-968	PS	3.4	1	7.6	-2	1.2	0	0.442	2	2.917	0	6.605	-1	2004	33	2.0
15622.3	10000	38.9839	95.3171	-968	PS	3.4	1	7.5	-2	1.2	0	0.452	2	2.930	0	6.478	-1	2008	41	2.0
15622.4	10000	38.9839	95.3163	-966	PS	3.2	0	7.7	-2	1.2	0	0.412	2	2.573	0	6.246	-2	2036	41	2.0
15622.5	10000	38.9839	95.3155	-964	PS	3.1	0	7.8	-2	1.3	0	0.395	1	2.464	0	6.238	-2	2071	43	2.0
15622.6	10000	38.9839	95.3147	-964	PS	2.9	-1	8.3	-1	1.3	1	0.344	0	2.222	-1	6.461	-1	2087	44	2.0
15622.7	10000	38.9839	95.3138	-964	PS	2.9	0	8.2	-1	1.3	1	0.355	0	2.219	-1	6.257	-2	2091	58	2.0
15622.8	10000	38.9839	95.3130	-966	PS	3.1	0	8.6	-1	1.3	0	0.357	1	2.433	-1	6.813	-1	2089	49	2.0
15622.9	10000	38.9839	95.3122	-965	PD	2.8	-1	8.9	-1	1.3	1	0.318	0	2.217	-1	6.964	-1	2076	45	2.0
15623.0	10000	38.9839	95.3114	-963	PD	2.9	-1	9.1	0	1.2	1	0.317	0	2.349	-1	7.405	-1	2053	58	2.0
15623.1	10000	38.9839	95.3106	-962	PD	2.9	-1	8.9	-1	1.1	0	0.324	0	2.532	-1	7.809	-1	2007	37	2.0
15623.2	10000	38.9839	95.3098	-959	PD	2.8	-1	9.0	-1	1.1	0	0.313	0	2.597	-1	8.301	0	1979	52	2.0
15623.3	10000	38.9839	95.3090	-958	PD	2.7	-1	9.1	0	1.0	0	0.291	-1	2.558	-1	8.798	0	1934	41	2.0
15623.4	10000	38.9839	95.3082	-955	PD	2.5	-1	9.1	0	1.0	0	0.272	-1	2.433	-1	8.957	0	1916	49	2.0
15623.5	10000	38.9839	95.3073	-954	PD	2.5	-2	8.7	-1	1.0	-1	0.281	-1	2.519	-1	8.959	0	1890	45	2.0
15623.6	10000	38.9839	95.3065	-952	PD	2.6	-1	8.6	-1	0.9	-1	0.308	0	2.829	0	9.171	0	1869	45	2.0
15623.7	10000	38.9838	95.3057	-949	PD	2.7	-1	8.3	-1	1.0	-1	0.325	0	2.757	0	8.480	0	1870	53	2.0
15623.8	10000	38.9838	95.3049	-947	PD	2.8	-1	8.1	-1	1.0	0	0.344	0	2.694	0	7.832	-1	1871	36	2.0
15623.9	10000	38.9838	95.3041	-943	PD	2.6	-1	8.0	-1	1.1	0	0.325	0	2.452	-1	7.535	-1	1864	44	2.0
15624.0	10000	38.9838	95.3033	-941	PD	2.8	-1	7.7	-2	1.1	0	0.365	1	2.610	-1	7.149	-1	1878	54	2.0
15624.1	10000	38.9838	95.3025	-938	PD	3.0	0	7.9	-1	1.1	0	0.384	1	2.786	0	7.251	-1	1884	47	2.0
15624.2	10000	38.9838	95.3017	-936	PD	2.9	-1	7.8	-2	1.1	0	0.368	1	2.642	-1	7.174	-1	1885	25	2.0
15624.3	10000	38.9838	95.3008	-933	PD	3.1	0	7.6	-2	1.1	0	0.401	1	2.849	0	7.112	-1	1907	51	2.0
15624.4	10000	38.9838	95.3000	-930	PD	3.0	0	7.6	-2	1.1	0	0.391	1	2.759	0	7.050	-1	1923	35	2.0
15624.5	10000	38.9838	95.2992	-929	PS	3.0	0	7.8	-2	1.1	-1	0.384	1	2.850	0	7.416	-1	1933	44	2.0
15624.6	10000	38.9838	95.2984	-926	PS	3.2	0	7.4	-2	1.1	-1	0.440	2	3.032	1	6.892	-1	1950	51	2.0
15624.7	10000	38.9838	95.2976	-925	PS	2.9	0	7.9	-2	1.1	0	0.401	1	2.893	0	7.217	-1	1985	41	2.0
15624.8	10000	38.9838	95.2968	-921	PS	2.9	0	8.5	-1	1.1	0	0.345	0	2.579	0	7.473	-1	2036	41	2.0
15624.9	10000	38.9838	95.2960	-920	PS	2.9	0	8.2	-1	1.2	0	0.352	0	2.716	0	7.704	0	2069	51	2.0
15625.0	10000	38.9838	95.2952	-917	PS	2.9	0	9.0	-1	1.3	0	0.307	0	2.304	-1	7.507	-1	2114	42	2.0
15625.1	10000	38.9837	95.2943	-914	PS	2.8	0	9.6	0	1.3	-1	0.286	-1	2.219	-1	7.771	0	2140	36	2.0
15625.2	10000	38.9837	95.2935	-912	PS	2.9	0	10.2	0	1.3	-1	0.276	-1	2.227	-1	8.067	0	2170	46	2.0
15625.3	10000	38.9837	95.2927	-909	PS	2.9	0	10.6	0	1.3	-1	0.260	-1	2.196	-1	8.447	0	2184	48	2.0
15625.4	10000	38.9837	95.2919	-908	PS	2.8	0	10.7	0	1.3	-1	0.278	-1	2.243	-1	8.057	0	2182	44	2.0
15625.5	10000	38.9837	95.2911	-905	PS	2.7	0	10.3	0	1.3	-1	0.292	-1	2.297	-1	7.872	0	2149	39	2.0
15625.6	10000	38.9837	95.2903	-902	PS	2.7	0	9.9	0	1.4	-1	0.273	-1	1.985	-1	7.275	-1	2153	47	2.0
15625.7	10000	38.9837	95.2895	-900	PS	2.7	0	9.5	0	1.3	-1	0.319	-1	2.305	-1	7.223	-1	2129	53	2.0
15625.8	10000	38.9837	95.2887	-895	PS	2.6	0	9.1	0	1.3	0	0.366	0	2.599	0	7.091	-1	2130	53	2.0
15625.9	10000	38.9837	95.2878	-894	PS	2.6	0	8.8	0	1.3	0	0.425	0	2.784	0	6.553	-1	2125	63	2.0
15626.0	10000	38.9837	95.2870	-896	PS	2.6	0	8.8	0	1.3	0	0.453	0	2.942	0	6.493	-1	2132	48	2.0
15626.1	10000	38.9837	95.2862	-896	PS	2.6	0	8.8	0	1.3	0	0.450	0	2.867	0	6.376	-2	2127	46	2.0
15626.2	10000	38.9837	95.2854	-895	PS	2.6	0	8.8	0	1.3	0	0.481	0	3.026	0	6.286	-2	2150	51	2.0
15626.3	10000	38.9837	95.2846	-893	PS	2.6	0	8.8	0	1.3	0	0.539	0	3.525	0	6.536	-1	2137	51	2.0
15626.4	10000	38.9837	95.2838	-892	PS	2.6	0	8.8	0	1.3	0	0.498	0	3.372	0	6.776	-1	2135	51	2.0
15626.5	10000	38.9837	95.2830	-890	PS	2.6	0	8.8	0	1.3	0	0.475	0	2.946	0	6.201	-2	2120	50	2.0
15626.6	10000	38.9836	95.2822	-890	PD	2.6	0	8.8	0	1.3	0	0.439	0	2.840	0	6.474	-2	2121	52	2.0
15626.7	10000	38.9836	95.2813	-889	PD	2.6	0	8.8	0	1.3	0	0.405	0	2.543	0	6.286	-2	2115	40	2.0
15626.8	10000	38.9836	95.2805	-887	PD	2.6	0	8.8	0	1.3	0	0.424	0	2.738	0	6.457	-2	2105	56	2.0
15626.9	10000	38.9836	95.2797	-887	PD	2.6	0	8.8	0	1.3	0	0.371	0	2.400	0	6.462	-2	2092	39	2.0
15627.0	10000	38.9836	95.2789	-886	PD	2.6	0	8.8	0	1.3	0	0.331	0	2.201	-1	6.658	-2	2104	44	2.0
15627.1	10000	38.9836	95.2781	-887	PD	2.7	0	8.8	0	1.3	0	0.310	0	2.008	-1	6.473	-2	2106	55	2.0
15627.2	10000	38.9836	95.2773	-887	PD	3.0	0	9.2	0	1.3	1	0.327	0	2.265	-1	6.936	-1	2106	44	2.0

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15627.3	10000	38.9836	95.2765	-887	PD	3.1	0	9.0	-1	1.3	1	0.342	0	2.373	-1	6.933	-1	2088	52	2.0
15627.4	10000	38.9836	95.2757	-887	PD	3.2	0	8.8	-1	1.2	1	0.368	1	2.669	0	7.246	-1	2050	44	2.0
15627.5	10000	38.9836	95.2748	-887	PD	3.1	0	9.2	0	1.2	1	0.333	0	2.606	-1	7.833	-1	2033	34	2.0
15627.6	10000	38.9836	95.2740	-887	PD	3.3	0	8.7	-1	1.1	0	0.376	1	2.964	0	7.889	-1	2012	42	2.0
15627.7	10000	38.9836	95.2732	-886	PD	2.9	-1	8.8	-1	1.1	0	0.328	0	2.578	-1	7.863	-1	1989	43	2.0
15627.8	10000	38.9836	95.2724	-886	PD	3.0	0	8.9	-1	1.1	0	0.342	0	2.860	0	8.372	0	1957	53	2.0
15627.9	10000	38.9836	95.2716	-886	PD	2.7	-1	8.6	-1	1.1	0	0.312	0	2.468	-1	7.919	-1	1941	45	2.0
15628.0	10000	38.9836	95.2708	-886	PD	2.8	-1	8.6	-1	1.1	0	0.318	0	2.621	-1	8.232	-1	1935	37	2.0
15628.1	10000	38.9835	95.2700	-887	PD	2.6	-1	8.7	-1	1.1	0	0.292	-1	2.341	-1	8.012	-1	1943	44	2.0
15628.2	10000	38.9835	95.2691	-887	PD	2.8	-1	8.5	-1	1.2	0	0.326	0	2.374	-1	7.290	-1	1963	38	2.0
15628.3	10000	38.9835	95.2683	-887	PD	2.7	-1	8.9	-1	1.2	0	0.303	-1	2.267	-1	7.494	-1	1976	50	2.0
15628.4	10000	38.9835	95.2675	-887	PD	3.0	0	8.5	-1	1.2	1	0.355	0	2.498	-1	7.035	-1	2001	53	2.0
15628.5	10000	38.9835	95.2667	-889	PD	2.8	-1	8.6	-1	1.3	1	0.333	0	2.219	-1	6.663	-2	2025	52	2.0
15628.6	10000	38.9835	95.2659	-892	PD	3.3	0	8.8	-1	1.2	1	0.373	1	2.667	0	7.159	-1	2026	38	2.0
15628.7	10000	38.9835	95.2651	-892	PD	3.0	0	8.8	-1	1.3	1	0.338	0	2.376	-1	7.034	-1	2027	51	2.0
15628.8	10000	38.9835	95.2643	-894	PD	3.1	0	8.7	-1	1.3	1	0.355	0	2.438	-1	6.869	-1	2036	44	2.0
15628.9	10000	38.9835	95.2635	-895	PD	3.0	0	8.6	-1	1.2	1	0.353	0	2.441	-1	6.925	-1	2026	45	2.0
15629.0	10000	38.9835	95.2626	-897	QGD	3.3	1	8.4	-1	1.2	0	0.399	1	2.757	1	6.909	-1	2007	42	2.0
15629.1	10000	38.9835	95.2618	-901	QGD	3.4	1	8.8	-1	1.2	-1	0.386	1	2.931	1	7.594	0	1978	44	2.0
15629.2	10000	38.9835	95.2610	-903	QGD	3.5	1	7.9	-1	1.1	-1	0.445	2	3.114	2	6.993	-1	1941	47	2.0
15629.3	10000	38.9835	95.2602	-909	QGD	3.0	0	7.3	-2	1.1	-1	0.417	2	2.776	1	6.656	-1	1889	40	2.0
15629.4	10000	38.9835	95.2594	-915	QGD	3.0	0	7.2	-2	1.1	-1	0.422	2	2.785	1	6.592	-1	1843	51	2.0
15629.5	10000	38.9834	95.2586	-917	QGD	2.8	-1	7.3	-2	1.1	-1	0.383	1	2.568	0	6.705	-1	1817	39	2.0
15629.6	10000	38.9834	95.2578	-912	QGD	2.8	-1	7.3	-2	1.1	-1	0.385	1	2.489	0	6.469	-1	1818	47	2.0
15629.7	10000	38.9834	95.2570	-897	QGD	2.5	-1	7.2	-2	1.2	-1	0.340	0	2.116	-1	6.218	-2	1837	50	2.0
15629.8	10000	38.9834	95.2561	-901	QGD	2.4	-1	6.7	-2	1.2	0	0.362	1	1.960	-1	5.417	-3	1869	56	2.0
15629.9	10000	38.9834	95.2553	-912	QGD	2.5	-1	7.8	-1	1.3	0	0.316	0	1.967	-1	6.227	-2	1916	54	2.0
15630.0	10000	38.9835	95.2546	-917	QGD	2.7	-1	8.2	-1	1.3	1	0.325	0	2.019	-1	6.215	-2	1980	54	2.0
15630.1	10000	38.9835	95.2539	-918	QGD	2.7	-1	8.6	-1	1.4	1	0.318	0	1.960	-1	6.159	-2	2035	45	2.0
15630.2	10000	38.9836	95.2532	-915	QGD	2.8	-1	8.1	-1	1.4	1	0.339	0	1.983	-1	5.851	-2	2055	48	2.0
15630.3	10000	38.9836	95.2525	-914	QGD	2.7	-1	8.1	-1	1.3	1	0.334	0	2.035	-1	6.093	-2	2033	47	2.0
15630.4	10000	38.9837	95.2518	-912	QGD	2.9	0	7.9	-1	1.3	1	0.362	0	2.134	-1	5.900	-2	2008	50	2.0
15630.5	10000	38.9837	95.2511	-911	QGD	2.7	-1	8.1	-1	1.3	0	0.340	0	2.147	-1	6.323	-2	1978	34	2.0
15630.6	10000	38.9838	95.2504	-913	QGD	2.7	-1	7.8	-1	1.3	0	0.345	0	2.112	-1	6.118	-2	1962	37	2.0
15630.7	10000	38.9838	95.2496	-915	QGD	2.8	-1	7.7	-2	1.3	0	0.357	0	2.125	-1	5.946	-2	1970	39	2.0
15630.8	10000	38.9839	95.2489	-918	QGD	2.7	-1	7.8	-1	1.3	0	0.352	0	2.061	-1	5.856	-2	1984	36	2.0
15630.9	10000	38.9839	95.2482	-918	QGD	2.8	0	8.6	-1	1.3	0	0.330	0	2.109	-1	6.390	-2	2006	37	2.0
15631.0	10000	38.9840	95.2475	-918	QGD	2.6	-1	8.6	-1	1.4	0	0.305	-1	1.862	-2	6.111	-2	2026	43	2.0
15631.1	10000	38.9840	95.2468	-917	QGD	2.7	-1	8.8	-1	1.4	0	0.302	-1	1.892	-2	6.264	-2	2047	40	2.0
15631.2	10000	38.9841	95.2461	-917	QGD	2.7	-1	8.9	0	1.4	0	0.305	-1	1.870	-2	6.137	-2	2050	41	2.0
15631.3	10000	38.9841	95.2454	-917	QGD	2.8	-1	8.5	-1	1.4	0	0.328	-1	1.938	-2	6.902	-2	2045	54	2.0
15631.4	10000	38.9842	95.2447	-915	QGD	3.1	0	8.3	-1	1.4	0	0.369	-1	2.168	-2	6.866	-2	2019	49	2.0
15631.5	10000	38.9842	95.2439	-917	QGD	3.1	0	7.9	-1	1.3	0	0.387	-1	2.340	-2	6.055	-2	1928	54	2.0
15631.6	10000	38.9843	95.2432	-916	QGD	3.1	0	6.8	-2	1.2	0	0.452	-1	2.523	-3	5.588	-3	1786	54	2.0
15631.7	10000	38.9844	95.2425	-916	QGD	3.0	0	6.1	-3	1.2	0	0.487	-1	2.838	-3	5.827	-2	1623	35	2.0
15631.8	10000	38.9844	95.2418	-917	QGD	2.9	0	5.4	-4	1.0	0	0.529	-1	2.820	-3	6.060	-2	1469	48	2.0
15631.9	10000	38.9845	95.2411	-916	QGD	2.7	-1	4.7	-4	0.9	0	0.577	-1	2.594	-3	6.226	-2	1373	45	2.0
15632.0	10000	38.9845	95.2404	-917	QGD	2.6	-1	4.7	-4	0.8	0	0.559	-1	2.505	-3	6.269	-2	1343	37	2.0
15632.1	10000	38.9846	95.2397	-916	QGD	2.3	-2	5.1	-4	0.8	0	0.460	-1	2.076	-3	6.683	-2	1340	39	2.0
15632.2	10000	38.9846	95.2390	-916	QGD	2.1	-2	5.3	-4	0.9	0	0.403	-1	1.829	-3	6.020	-2	1406	42	2.0
15632.3	10000	38.9847	95.2383	-915	QAL	2.0	-2	5.8	-3	1.0	0	0.334	-1	1.999	-2	5.979	-1	1516	47	2.0
15632.4	10000	38.9847	95.2375	-914	QAL	2.1	-2	6.2	-2	1.1	-1	0.345	0	1.923	-1	5.570	-1	1650	42	2.1

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15632.5	10000	38.9848	95.2368	-914	QAL	2.3	-2	6.6	-2	1.2	0	0.341	0	1.864	-1	5.463	-1	1779	47	2.1
15632.6	10000	38.9848	95.2361	-911	QAL	2.3	-2	7.0	-2	1.3	0	0.326	0	1.723	-1	5.287	-2	1864	39	2.1
15632.7	10000	38.9849	95.2354	-911	QAL	2.6	-1	7.0	-2	1.3	0	0.371	1	1.990	-1	5.359	-1	1905	43	2.1
15632.8	10000	38.9849	95.2347	-908	CULTRL	2.8	999	6.7	999	1.3	999	0.424	999	2.185	999	5.157	999	1928	41	2.1
15632.9	10000	38.9850	95.2340	-907	CULTRL	3.1	999	6.3	999	1.3	999	0.490	999	2.462	999	5.021	999	1945	53	2.1
15633.0	10000	38.9850	95.2333	-908	CULTRL	3.2	999	6.4	999	1.3	999	0.502	999	2.552	999	5.085	999	1965	46	2.1
15633.1	10000	38.9851	95.2325	-908	CULTRL	3.4	999	6.7	999	1.3	999	0.504	999	2.639	999	5.231	999	1991	47	2.1
15633.2	10000	38.9851	95.2318	-909	CULTRL	3.1	999	6.6	999	1.4	999	0.467	999	2.244	999	4.803	999	2007	40	2.1
15633.3	10000	38.9852	95.2311	-909	CULTRL	3.3	999	6.8	999	1.4	999	0.485	999	2.396	999	4.936	999	2040	34	2.1
15633.4	10000	38.9852	95.2304	-909	CULTRL	3.0	999	7.1	999	1.4	999	0.418	999	2.052	999	4.904	999	2062	47	2.1
15633.5	10000	38.9853	95.2297	-910	CULTRL	2.7	999	7.6	999	1.5	999	0.350	999	1.751	999	5.002	999	2090	53	2.1
15633.6	10000	38.9853	95.2290	-909	CULTRL	2.8	999	7.8	999	1.6	999	0.354	999	1.784	999	5.043	999	2107	43	2.1
15633.7	10000	38.9854	95.2283	-909	CULTRL	2.9	999	7.7	999	1.6	999	0.376	999	1.775	999	4.725	999	2148	50	2.1
15633.8	10000	38.9854	95.2276	-907	CULTRL	2.9	999	7.8	999	1.6	999	0.378	999	1.808	999	4.785	999	2168	44	2.1
15633.9	10000	38.9855	95.2269	-907	CULTRL	3.2	999	8.1	999	1.7	999	0.398	999	1.925	999	4.838	999	2213	40	2.1
15634.0	10000	38.9855	95.2261	-907	CULTRL	2.9	999	8.0	999	1.7	999	0.371	999	1.727	999	4.659	999	2219	42	2.1
15634.1	10000	38.9856	95.2254	-906	CULTRL	3.4	999	8.0	999	1.7	999	0.421	999	1.933	999	4.597	999	2242	53	2.1
15634.2	10000	38.9857	95.2247	-908	CULTRL	3.4	999	8.0	999	1.7	999	0.431	999	2.007	999	4.654	999	2241	42	2.1
15634.3	10000	38.9857	95.2240	-907	CULTRL	3.3	999	8.2	999	1.7	999	0.407	999	1.940	999	4.763	999	2261	43	2.1
15634.4	10000	38.9858	95.2233	-906	CULTRL	3.4	999	8.6	999	1.6	999	0.398	999	2.089	999	5.253	999	2267	35	2.1
15634.5	10000	38.9858	95.2226	-906	CULTRL	3.4	999	8.8	999	1.7	999	0.384	999	2.014	999	5.245	999	2298	55	2.1
15634.6	10000	38.9859	95.2219	-904	CULTRL	3.3	999	9.3	999	1.7	999	0.359	999	2.007	999	5.581	999	2308	42	2.1
15634.7	10000	38.9859	95.2212	-905	CULTRL	3.5	999	9.3	999	1.7	999	0.379	999	2.077	999	5.481	999	2342	45	2.1
15634.8	10000	38.9860	95.2204	-904	CULTRL	3.1	999	9.2	999	1.7	999	0.336	999	1.805	999	5.379	999	2335	34	2.1
15634.9	10000	38.9860	95.2197	-904	CULTRL	3.1	999	9.0	999	1.8	999	0.341	999	1.750	999	5.127	999	2353	45	2.1
15635.0	10000	38.9861	95.2190	-905	CULTRL	3.2	999	8.6	999	1.7	999	0.368	999	1.819	999	4.936	999	2334	60	2.1
15635.1	10000	38.9861	95.2183	-904	CULTRL	3.1	999	8.4	999	1.7	999	0.364	999	1.762	999	4.845	999	2302	51	2.1
15635.2	10000	38.9862	95.2176	-906	CULTRL	2.9	999	7.9	999	1.7	999	0.373	999	1.754	999	4.698	999	2265	64	2.1
15635.3	10000	38.9862	95.2169	-905	CULTRL	3.2	999	7.6	999	1.7	999	0.420	999	1.894	999	4.505	999	2234	42	2.1
15635.4	10000	38.9863	95.2162	-904	CULTRL	3.2	999	7.8	999	1.6	999	0.417	999	2.016	999	4.834	999	2205	43	2.2
15635.5	10000	38.9863	95.2155	-900	CULTRL	3.3	999	7.3	999	1.6	999	0.457	999	2.063	999	4.519	999	2180	46	2.2
15635.6	10000	38.9864	95.2147	-902	CULTRL	3.3	999	7.2	999	1.6	999	0.458	999	2.072	999	4.529	999	2147	49	2.2
15635.7	10000	38.9864	95.2140	-904	CULTRL	3.3	999	7.9	999	1.6	999	0.421	999	2.068	999	4.907	999	2172	59	2.2
15635.8	10000	38.9865	95.2133	-903	QAL	3.6	0	7.8	1	1.6	1	0.421	1	2.049	-1	4.870	-2	2194	48	2.2
15635.9	10000	38.9865	95.2126	-902	QAL	3.4	1	8.0	1	1.6	1	0.446	2	2.188	-1	4.906	-2	2201	48	2.2
15636.0	10000	38.9866	95.2119	-902	QAL	3.7	1	7.9	1	1.6	1	0.434	2	2.162	-1	4.981	-2	2204	48	2.1
15636.1	10000	38.9866	95.2112	-900	QAL	3.8	1	7.6	1	1.6	1	0.484	2	2.312	0	4.777	-2	2221	39	2.1
15636.2	10000	38.9867	95.2105	-900	QAL	3.9	1	8.0	1	1.6	1	0.472	2	2.427	0	5.144	-2	2249	37	2.1
15636.3	10000	38.9867	95.2098	-899	QAL	3.9	1	8.3	1	1.6	1	0.472	2	2.543	0	5.385	-1	2276	53	2.1
15636.4	10000	38.9868	95.2090	-898	QAL	3.9	1	8.0	1	1.5	1	0.493	2	2.592	0	5.263	-2	2272	47	2.1
15636.5	10000	38.9868	95.2083	-900	QAL	4.3	1	8.8	1	1.5	1	0.546	2	2.773	0	5.079	-2	2277	48	2.2
15636.6	10000	38.9869	95.2076	-899	QAL	3.9	1	7.8	1	1.5	1	0.490	2	2.559	0	5.222	-2	2301	49	2.2
15636.7	10000	38.9869	95.2069	-903	QAL	3.9	1	8.1	1	1.5	1	0.469	2	2.590	0	5.522	-1	2311	54	2.2
15636.8	10000	38.9870	95.2062	-904	QAL	3.6	1	7.1	1	1.5	1	0.416	2	2.350	0	5.[illegible]	-1	2329	46	2.2
15636.9	10000	38.9871	95.2055	-903	QAL	3.5	1	7.2	1	1.6	1	0.384	2	2.198	-1	5.[illegible]21	-1	2327	42	2.2
15637.0	10000	38.9871	95.2048	-903	QAL	3.4	1	7.1	1	1.6	1	0.373	2	2.176	-1	5.830	-1	2328	38	2.2
15637.1	10000	38.9872	95.2041	-901	QAL	3.6	1	7.4	1	1.6	1	0.378	2	2.225	-1	5.894	-1	2337	42	2.2
15637.2	10000	38.9872	95.2034	-901	QAL	3.4	1	7.1	1	1.6	1	0.354	2	2.127	-1	6.012	-1	2335	35	2.2
15637.3	10000	38.9873	95.2026	-898	QAL	3.6	1	7.3	1	1.7	1	0.353	2	2.173	-1	6.156	-1	2352	40	2.2
15637.4	10000	38.9873	95.2019	-896	QAL	3.3	1	7.1	1	1.7	1	0.335	2	1.942	-1	5.832	-1	2348	41	2.2
15637.5	10000	38.9874	95.2012	-894	QAL	3.1	1	10.[illegible]	2	1.7	2	0.314	2	1.814	-1	5.771	-1	2350	46	2.1
15637.6	10000	38.9874	95.2005	-891	QAL	3.0	0	10.0	2	1.7	2	0.295	-1	1.710	-1	5.791	-1	2364	63	2.1

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15637.7	10000	38.9875	95.1998	-890	QAL	3.1	0	10.0	1	1.8	2	0.307	0	1.724	-1	5.617	-1	2376	50	2.1
15637.8	10000	38.9875	95.1991	-889	QAL	3.0	0	9.6	1	1.7	2	0.309	0	1.692	-1	5.471	-1	2375	52	2.1
15637.9	10000	38.9876	95.1984	-892	QAL	2.9	0	9.6	1	1.8	2	0.300	-1	1.641	-1	5.471	-1	2385	50	2.1
15638.0	10000	38.9876	95.1976	-893	QAL	2.8	0	9.7	1	1.8	2	0.293	-1	1.571	-1	5.364	-1	2377	49	2.1
15638.1	10000	38.9877	95.1969	-892	QAL	3.3	0	9.6	1	1.8	2	0.339	0	1.826	-1	5.393	-1	2404	47	2.1
15638.2	10000	38.9877	95.1962	-894	QAL	3.5	1	9.5	1	1.7	2	0.366	0	2.021	-1	5.523	-1	2398	52	2.1
15638.3	10000	38.9878	95.1955	-893	QAL	3.7	1	9.4	1	1.7	2	0.395	1	2.165	-1	5.476	-1	2402	35	2.1
15638.4	10000	38.9878	95.1948	-894	QAL	3.5	1	9.1	1	1.7	2	0.390	1	2.088	-1	5.354	-1	2394	35	2.1
15638.5	10000	38.9879	95.1941	-894	QAL	3.4	1	9.0	1	1.7	2	0.376	1	1.950	-1	5.189	-2	2393	43	2.1
15638.6	10000	38.9879	95.1934	-893	QAL	3.4	1	8.9	1	1.8	2	0.377	1	1.912	-1	5.070	-2	2396	40	2.1
15638.7	10000	38.9880	95.1927	-894	QAL	3.4	1	8.5	-1	1.7	2	0.407	1	1.983	-1	4.873	-2	2392	47	2.1
13459.2	10000	38.9859	95.1914	-803	QAL	3.3	0	9.5	0	1.7	2	0.348	0	1.905	-1	5.468	-1	2399	53	2.4
13459.3	10000	38.9859	95.1907	-808	QAL	3.2	0	9.2	0	1.7	2	0.347	0	1.863	-1	5.375	-1	2392	37	2.4
13459.4	10000	38.9859	95.1900	-807	QAL	3.0	0	9.3	0	1.7	2	0.325	0	1.748	-1	5.379	-1	2400	44	2.4
13459.5	10000	38.9858	95.1892	-807	QAL	3.1	0	9.5	0	1.8	2	0.327	0	1.757	-1	5.370	-1	2401	46	2.4
13459.6	10000	38.9858	95.1885	-808	QAL	2.7	-1	10.0	1	1.7	2	0.271	-1	1.573	-1	5.804	-1	2411	33	2.4
13459.7	10000	38.9858	95.1878	-806	QAL	2.5	-1	10.0	1	1.7	2	0.249	-1	1.458	-2	5.862	-1	2396	26	2.4
13459.8	10000	38.9858	95.1870	-808	QAL	2.7	-1	9.7	0	1.8	2	0.274	-1	1.504	-2	5.481	-1	2402	30	2.4
13459.9	10000	38.9858	95.1863	-807	QAL	2.8	0	10.0	1	1.8	2	0.283	-1	1.535	-2	5.429	-1	2438	27	2.4
13460.0	10000	38.9858	95.1856	-807	QAL	3.1	0	10.6	1	1.9	2	0.290	-1	1.630	-1	5.618	-1	2460	43	2.4
13460.1	10000	38.9858	95.1848	-808	QAL	3.4	1	10.6	1	1.8	2	0.323	0	1.887	-1	5.849	-1	2456	55	2.4
13460.2	10000	38.9858	95.1841	-806	QAL	3.5	1	10.6	1	1.7	2	0.325	0	2.009	-1	6.174	-1	2473	54	2.4
13460.3	10000	38.9858	95.1834	-807	QAL	3.7	1	10.4	1	1.6	2	0.358	0	2.277	0	6.364	-1	2465	50	2.4
13460.4	10000	38.9858	95.1827	-808	QAL	3.9	2	10.6	1	1.6	1	0.362	0	2.406	0	6.641	-1	2477	40	2.4
13460.5	10000	38.9858	95.1819	-806	QAL	3.7	1	10.6	1	1.6	1	0.349	0	2.351	0	6.741	-1	2472	41	2.4
13460.6	10000	38.9858	95.1812	-809	QAL	4.0	2	10.5	1	1.5	1	0.381	1	2.649	0	6.949	0	2466	56	2.4
13460.7	10000	38.9858	95.1805	-807	QAL	3.9	2	10.1	1	1.5	1	0.386	1	2.629	0	6.811	-1	2460	37	2.4
13460.8	10000	38.9858	95.1797	-808	QAL	3.8	1	9.8	0	1.5	1	0.389	1	2.504	0	6.442	-1	2467	50	2.4
13460.9	10000	38.9858	95.1790	-809	QAL	3.9	2	9.6	0	1.6	1	0.403	1	2.452	0	6.084	-1	2452	34	2.4
13461.0	10000	38.9858	95.1783	-809	QAL	4.0	2	9.6	0	1.6	1	0.417	1	2.493	0	5.976	-1	2463	59	2.4
13461.1	10000	38.9858	95.1776	-809	QAL	3.9	2	9.5	0	1.7	1	0.413	1	2.277	0	5.510	-1	2474	54	2.4
13461.2	10000	38.9857	95.1768	-808	QAL	3.9	2	9.3	0	1.7	2	0.417	1	2.233	0	5.357	-1	2473	65	2.4
13461.3	10000	38.9857	95.1761	-809	QAL	3.9	2	9.3	0	1.7	2	0.356	0	1.902	-1	5.348	-1	2460	43	2.4
13461.4	10000	38.9857	95.1754	-810	QAL	4.3	2	9.7	0	1.8	2	0.352	0	1.922	-1	5.465	-1	2463	48	2.4
13461.5	10000	38.9857	95.1746	-809	QAL	4.3	2	10.1	1	1.7	2	0.330	0	1.912	-1	5.787	-1	2457	48	2.4
13461.6	10000	38.9857	95.1739	-808	QAL	4.1	2	10.2	1	1.7	2	0.323	0	1.925	-1	5.955	-1	2439	43	2.4
13461.7	10000	38.9857	95.1732	-809	QAL	4.0	2	9.8	1	1.7	2	0.307	0	1.814	-1	5.904	-1	2406	53	2.4
13461.8	10000	38.9857	95.1724	-809	QAL	3.9	2	9.3	1	1.5	1	0.351	0	2.104	-1	5.998	-1	2350	41	2.4
13461.9	10000	38.9857	95.1717	-806	QAL	3.8	2	9.6	1	1.5	1	0.329	0	2.084	-1	6.341	-1	2322	44	2.4
13462.0	10000	38.9857	95.1710	-796	QAL	3.4	1	9.6	1	1.5	1	0.355	0	2.240	0	6.312	-1	2315	36	2.4
13462.1	10000	38.9857	95.1702	-786	QAL	3.4	1	9.6	1	1.5	1	0.351	0	2.272	0	6.466	-1	2298	39	2.5
13462.2	10000	38.9857	95.1695	-791	QAL	3.4	1	9.3	1	1.5	1	0.361	0	2.196	-1	6.081	-1	2290	37	2.5
13462.3	10000	38.9857	95.1688	-804	QAL	3.2	1	9.5	1	1.5	1	0.334	0	2.090	-1	6.259	-1	2300	51	2.5
13462.4	10000	38.9857	95.1680	-809	QAL	3.2	1	9.4	0	1.5	1	0.326	0	2.026	-1	6.217	-1	2308	39	2.5
13462.5	10000	38.9857	95.1673	-809	QAL	3.2	1	9.0	0	1.5	1	0.323	0	2.083	-1	6.439	-1	2333	40	2.5
13462.6	10000	38.9857	95.1666	-809	QAL	3.3	1	9.9	1	1.5	1	0.329	0	2.193	-1	6.663	-1	2341	43	2.5
13462.7	10000	38.9856	95.1658	-806	QAL	3.2	1	9.9	1	1.5	1	0.323	0	2.156	-1	6.669	-1	2326	36	2.5
13462.8	10000	38.9856	95.1651	-806	QAL	3.1	1	9.9	1	1.5	1	0.315	0	2.068	-1	6.565	-1	2296	51	2.4
13462.9	10000	38.9856	95.1644	-807	QAL	2.9	1	9.6	1	1.4	1	0.297	-1	1.977	-1	6.667	-1	2252	53	2.4
13463.0	10000	38.9856	95.1637	-803	QAL	2.7	0	9.2	0	1.5	1	0.298	-1	1.858	-1	6.238	-1	2212	42	2.4
13463.1	10000	38.9856	95.1629	-803	QAL	2.7	0	9.2	0	1.5	1	0.337	-1	2.056	-1	6.107	-1	2178	51	2.4
13463.2	10000	38.9856	95.1622	-803	QAL	2.5	-1	8.6	0	1.4	1	0.287	-1	1.711	-1	5.962	-1	2143	47	2.4

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13463.3	10000	38.9856	95.1615	-802	QAL	2.5	-1	8.4	-1	1.6	1	0.295	-1	1.576	-1	5.340	-1	2130	40	2.4
13463.4	10000	38.9856	95.1607	-799	QAL	2.3	-1	8.1	-1	1.6	1	0.285	-1	1.443	-2	5.068	-2	2109	30	2.4
13463.5	10000	38.9856	95.1600	-800	QAL	2.1	-2	8.0	-1	1.6	1	0.260	-1	1.328	-2	5.107	-2	2095	45	2.4
13463.6	10000	38.9856	95.1593	-796	QAL	2.4	-1	7.6	-1	1.6	1	0.315	0	1.492	-2	4.735	-2	2107	36	2.4
13463.7	10000	38.9856	95.1586	-797	QAL	2.5	-1	7.3	-2	1.6	1	0.344	0	1.542	-2	4.486	-2	2118	41	2.4
13463.8	10000	38.9856	95.1578	-793	QAL	2.4	-1	7.5	-1	1.7	2	0.323	0	1.455	-2	4.501	-2	2122	59	2.4
13463.9	10000	38.9856	95.1571	-795	QAL	2.8	-1	7.4	-1	1.7	2	0.370	0	1.647	-1	4.454	-2	2108	47	2.4
13464.0	10000	38.9856	95.1564	-792	QAL	2.8	-1	7.2	-2	1.6	1	0.390	1	1.779	-1	4.560	-2	2078	46	2.4
13464.1	10000	38.9856	95.1556	-791	QAL	2.9	0	7.0	-2	1.5	1	0.412	1	1.909	-1	4.630	-2	2054	34	2.4
13464.2	10000	38.9856	95.1549	-788	QAL	3.0	0	6.2	-2	1.6	1	0.493	2	1.963	-1	3.979	-2	2059	36	2.4
13464.3	10000	38.9856	95.1542	-785	QAL	2.8	0	6.5	-2	1.6	1	0.439	2	1.797	-1	4.095	-2	2036	47	2.4
13464.4	10000	38.9856	95.1534	-781	QAL	2.7	-1	6.9	-2	1.5	1	0.388	1	1.768	-1	4.559	-2	2018	48	2.4
13464.5	10000	38.9856	95.1527	-784	QAL	2.4	-1	6.9	-2	1.5	1	0.347	0	1.615	-1	4.658	-2	2012	43	2.4
13464.6	10000	38.9855	95.1520	-784	QAL	2.5	-1	6.9	-2	1.5	1	0.358	0	1.668	-1	4.659	-2	2019	45	2.4
13464.7	10000	38.9855	95.1512	-783	QAL	2.4	-1	7.1	-2	1.5	1	0.337	0	1.589	-1	4.717	-2	2041	39	2.4
13464.8	10000	38.9855	95.1505	-781	QAL	2.7	-1	7.4	-1	1.5	1	0.360	0	1.752	-1	4.866	-2	2082	35	2.4
13464.9	10000	38.9855	95.1498	-778	QAL	2.6	-1	7.9	-1	1.5	1	0.332	0	1.778	-1	5.357	-1	2081	36	2.4
13465.0	10000	38.9855	95.1490	-777	QAL	2.7	-1	8.1	-1	1.5	1	0.337	0	1.804	-1	5.351	-1	2	56	2.4
13465.1	10000	38.9855	95.1483	-776	PD	2.9	-1	7.7	-2	1.5	3	0.381	1	1.894	-2	4.971	-3	2	33	2.4
13465.2	10000	38.9855	95.1476	-774	PD	3.0	0	7.6	-2	1.6	3	0.402	1	1.890	-2	4.707	-3	2102	44	2.4
13465.3	10000	38.9855	95.1469	-775	PD	2.7	-1	7.4	-2	1.6	3	0.368	1	1.652	-2	4.492	-3	2099	38	2.4
13465.4	10000	38.9855	95.1461	-774	PD	2.7	-1	7.3	-2	1.6	3	0.378	1	1.674	-2	4.432	-3	2084	35	2.4
13465.5	10000	38.9855	95.1454	-773	PD	2.4	-2	6.8	-2	1.7	3	0.354	0	1.451	-3	4.102	-3	2040	42	2.4
13465.6	10000	38.9855	95.1447	-771	PD	2.4	-2	6.4	-3	1.7	3	0.384	1	1.463	-2	3.813	-4	2028	40	2.4
13465.7	10000	38.9855	95.1439	-772	PD	2.3	-2	6.6	-3	1.6	3	0.354	1	1.470	-2	4.150	-3	2031	41	2.4
13465.8	10000	38.9855	95.1432	-769	PD	2.4	-2	6.7	-2	1.6	3	0.352	1	1.507	-2	4.278	-3	2042	40	2.4
13465.9	10000	38.9855	95.1425	-769	PD	2.5	-1	7.1	-2	1.5	2	0.354	0	1.680	-2	4.744	-3	2051	36	2.3
13466.0	10000	38.9855	95.1417	-768	PD	2.6	-1	7.5	-2	1.4	2	0.349	0	1.817	-2	5.202	-3	2074	48	2.3
13466.1	10000	38.9855	95.1410	-766	PD	2.8	-1	7.7	-2	1.4	2	0.359	0	1.921	-2	5.347	-3	2107	29	2.3
13466.2	10000	38.9855	95.1403	-766	PD	2.9	-1	8.4	-1	1.4	2	0.347	0	2.104	-1	6.060	-2	2146	37	2.3
13466.3	10000	38.9854	95.1395	-764	PD	2.9	-1	9.0	-1	1.3	1	0.322	0	2.151	-1	6.674	-2	2169	36	2.3
13466.4	10000	38.9854	95.1388	-764	PD	3.0	0	8.7	-1	1.3	1	0.342	0	2.233	-1	6.519	-2	2168	59	2.3
13466.5	10000	38.9854	95.1381	-763	PD	3.0	0	9.3	0	1.3	1	0.328	0	2.347	-1	7.166	-1	2181	43	2.3
13466.6	10000	38.9854	95.1374	-761	PD	3.3	0	9.7	0	1.3	1	0.336	0	2.595	-1	7.713	-1	2220	53	2.3
13466.7	10000	38.9854	95.1366	-761	PD	3.6	1	10.2	0	1.2	1	0.353	0	2.888	-1	8.178	-1	2244	46	2.3
13466.8	10000	38.9854	95.1359	-759	PD	3.6	1	10.4	1	1.2	1	0.341	0	2.929	0	8.588	0	2255	49	2.3
13466.9	10000	38.9854	95.1352	-758	PD	3.9	1	10.5	1	1.2	1	0.367	0	3.106	0	8.456	0	2287	45	2.3
13467.0	10000	38.9854	95.1344	-756	PD	4.1	2	10.4	1	1.2	1	0.392	1	3.280	1	8.363	0	2309	45	2.3
13467.1	10000	38.9854	95.1337	-754	PD	4.2	2	11.1	1	1.2	1	0.381	1	3.418	1	8.959	0	2328	51	2.3
13467.2	10000	38.9854	95.1330	-754	PD	4.2	2	11.0	1	1.2	1	0.385	1	3.478	1	9.022	0	2345	56	2.3
13467.3	10000	38.9854	95.1322	-751	PD	4.2	2	10.7	1	1.2	1	0.396	1	3.431	1	8.657	0	2324	40	2.3
13467.4	10000	38.9854	95.1315	-751	PD	4.0	2	10.7	1	1.3	1	0.376	1	3.197	0	8.502	0	2315	35	2.3
13467.5	10000	38.9854	95.1308	-750	PD	3.9	2	10.3	1	1.3	1	0.381	1	3.066	0	8.048	0	2312	42	2.3
13467.6	10000	38.9854	95.1301	-747	PD	3.8	1	10.5	1	1.2	1	0.363	1	3.095	0	8.521	0	2300	48	2.3
13467.7	10000	38.9854	95.1293	-747	PD	3.8	1	10.9	1	1.2	1	0.350	1	3.135	0	8.968	0	2295	48	2.3
13467.8	10000	38.9854	95.1286	-744	PD	3.6	1	11.0	1	1.2	1	0.327	1	3.012	0	9.213	0	2293	45	2.3
13467.9	10000	38.9853	95.1279	-744	PD	3.5	1	11.1	1	1.2	1	0.316	1	2.913	0	9.213	0	2266	43	2.3
13468.0	10000	38.9853	95.1271	-742	PD	3.2	0	11.2	1	1.2	0	0.288	-1	2.777	0	9.644	0	2260	54	2.3
13468.1	10000	38.9853	95.1264	-740	PD	3.4	1	11.1	1	1.1	-1	0.305	-1	2.960	0	9.776	0	2262	35	2.3
13468.2	10000	38.9853	95.1257	-739	PD	3.4	1	11.4	1	1.1	-1	0.302	-1	3.098	0	10.262	1	2255	43	2.3
13468.3	10000	38.9853	95.1249	-738	PD	3.2	0	11.7	2	1.1	-1	0.274	-1	2.790	0	10.180	1	2235	50	2.3
13468.4	10000	38.9853	95.1242	-739	PD	3.3	0	11.7	2	1.2	0	0.284	-1	2.848	0	10.041	1	2232	48	2.2

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13468.5	10000	38.9853	95.1235	-736	PD	3.2	0	11.2	1	1.2	0	0.289	-1	2.739	0	9.491	0	2222	54	2.2
13468.6	10000	38.9853	95.1227	-736	PD	3.4	0	11.4	1	1.2	0	0.294	-1	2.852	0	9.698	1	2236	47	2.2
13468.7	10000	38.9853	95.1220	-734	PD	3.4	0	11.3	1	1.2	1	0.301	-1	2.835	0	9.410	0	2240	41	2.2
13468.8	10000	38.9853	95.1213	-733	PD	3.2	0	10.9	1	1.2	1	0.296	-1	2.654	-1	8.978	0	2223	40	2.2
13468.9	10000	38.9853	95.1205	-734	PD	3.2	0	11.2	1	1.2	1	0.289	-1	2.657	-1	9.195	0	2218	52	2.2
13469.0	10000	38.9853	95.1198	-734	PD	3.1	0	10.6	1	1.2	1	0.294	-1	2.569	-1	8.731	0	2219	36	2.2
13469.1	10000	38.9853	95.1191	-734	PD	3.1	0	10.6	1	1.2	1	0.288	-1	2.516	-1	8.751	0	2217	42	2.2
13469.2	10000	38.9853	95.1184	-733	PD	3.3	0	11.3	1	1.2	1	0.296	-1	2.709	0	9.157	0	2225	36	2.2
13469.3	10000	38.9853	95.1176	-735	PD	3.1	0	10.8	1	1.2	1	0.289	-1	2.541	-1	8.786	0	2225	48	2.2
13469.4	10000	38.9853	95.1169	-735	PD	3.2	0	11.0	1	1.2	1	0.294	-1	2.618	-1	8.896	0	2223	43	2.2
13469.5	10000	38.9853	95.1162	-736	PD	3.2	0	11.3	1	1.2	1	0.278	-1	2.618	-1	9.416	0	2221	46	2.2
13469.6	10000	38.9852	95.1154	-736	PD	3.3	0	10.6	1	1.2	0	0.311	0	2.847	0	9.150	0	2210	46	2.1
13469.7	10000	38.9852	95.1147	-737	PD	3.6	1	10.3	1	1.1	0	0.347	0	3.134	0	9.045	0	2211	32	2.1
13469.8	10000	38.9852	95.1140	-740	PD	3.6	1	9.7	0	1.1	0	0.373	1	3.174	0	8.508	0	2197	52	2.1
13469.9	10000	38.9852	95.1132	-740	PD	3.6	1	8.9	-1	1.1	0	0.408	1	3.227	0	7.905	-1	2179	42	2.1
13470.0	10000	38.9852	95.1125	-743	PD	3.7	1	8.6	-1	1.1	0	0.434	2	3.275	1	7.547	-1	2155	40	2.1
13470.1	10000	38.9852	95.1118	-744	PD	3.7	1	8.1	-1	1.1	0	0.451	2	3.316	1	7.351	-1	2128	35	2.1
13470.2	10000	38.9852	95.1111	-744	PD	3.7	1	7.9	-1	1.1	0	0.466	2	3.205	0	6.870	-1	2098	37	2.1
13470.3	10000	38.9852	95.1103	-747	PD	3.4	0	8.0	-1	1.2	0	0.423	2	2.945	0	6.963	-1	2071	56	2.1
13470.4	10000	38.9852	95.1096	-749	PD	3.4	0	7.8	-2	1.1	0	0.430	2	2.964	0	6.886	-1	2029	51	2.1
13470.5	10000	38.9852	95.1089	-749	PD	3.0	0	8.1	-1	1.1	0	0.373	1	2.702	0	7.241	-1	1998	49	2.1
13470.6	10000	38.9852	95.1081	-752	PD	3.0	0	8.1	-1	1.1	0	0.368	1	2.775	0	7.533	-1	1958	55	2.1
13470.7	10000	38.9852	95.1074	-754	PD	3.1	0	8.6	-1	1.0	0	0.365	1	3.040	0	8.339	0	1949	44	2.1
13470.8	10000	38.9852	95.1067	-754	PD	2.9	-1	8.5	-1	1.0	0	0.341	0	2.853	0	8.378	0	1933	54	2.1
13470.9	10000	38.9852	95.1059	-754	PD	3.0	0	8.6	-1	1.0	-1	0.351	0	3.136	0	8.943	0	1909	59	2.1
13471.0	10000	38.9851	95.1052	-757	PD	3.0	0	8.5	-1	1.0	0	0.357	0	3.206	0	8.986	0	1893	51	2.2
13471.1	10000	38.9851	95.1045	-759	PD	3.1	0	8.6	-1	1.0	0	0.358	1	3.346	0	9.351	0	1886	56	2.2
13471.2	10000	38.9851	95.1037	-759	PD	3.3	0	8.8	-1	1.0	0	0.372	1	3.659	1	9.826	1	1879	52	2.2
13471.3	10000	38.9851	95.1030	-760	PD	3.3	0	8.9	-1	0.9	0	0.369	1	3.658	1	9.903	1	1904	37	2.2
13471.4	10000	38.9851	95.1023	-761	PD	3.3	0	8.4	-1	0.9	0	0.401	1	3.776	1	9.427	0	1882	42	2.2
13471.5	10000	38.9851	95.1015	-763	PD	3.3	0	8.2	-1	0.9	0	0.408	1	3.634	1	8.908	0	1872	41	2.2
13471.6	10000	38.9851	95.1008	-765	PD	3.3	0	7.9	-1	0.9	0	0.418	1	3.582	1	8.568	0	1872	49	2.2
13471.7	10000	38.9851	95.1001	-768	PD	3.4	0	7.7	-2	0.9	0	0.441	1	3.586	1	8.135	-1	1865	57	2.2
13471.8	10000	38.9851	95.0994	-767	PD	3.2	0	7.5	-2	0.9	-1	0.423	1	3.179	1	7.518	-1	1860	39	2.2
13471.9	10000	38.9851	95.0986	-770	PD	3.1	0	7.1	-2	1.0	-1	0.435	1	2.859	0	6.574	-2	1866	31	2.2
13472.0	10000	38.9851	95.0979	-770	PD	3.0	0	6.9	-2	1.1	-1	0.444	1	2.646	-1	5.963	-2	1860	41	2.2
13472.1	10000	38.9851	95.0972	-771	PD	3.0	0	6.9	-2	1.1	-1	0.400	2	2.377	-1	5.942	-2	1882	53	2.2
13472.2	10000	38.9851	95.0964	-772	PD	3.1	0	7.1	-2	1.2	-1	0.423	2	2.593	-1	6.130	-2	1919	50	2.2
13472.3	10000	38.9851	95.0957	-773	PD	3.2	0	7.3	-2	1.2	-1	0.418	2	2.547	-1	6.092	-2	1949	57	2.2
13472.4	10000	38.9851	95.0950	-774	PD	3.3	0	7.7	-2	1.2	-1	0.389	2	2.483	-1	6.387	-2	1998	57	2.2
13472.5	10000	38.9851	95.0942	-773	PD	3.4	0	7.8	-2	1.2	-1	0.376	2	2.620	-1	6.970	-1	2050	52	2.2
13472.6	10000	38.9851	95.0935	-773	PD	3.4	0	8.2	-1	1.2	-1	0.394	2	2.879	-1	7.309	-1	2106	48	2.2
13472.7	10000	38.9850	95.0928	-773	PD	3.4	0	8.5	-1	1.2	-1	0.377	2	3.087	-1	8.179	-1	2155	53	2.2
13472.8	10000	38.9850	95.0921	-774	PD	3.4	0	8.8	-1	1.2	-1	0.373	2	3.096	-1	8.035	-1	2193	51	2.2
13472.9	10000	38.9850	95.0913	-773	PD	3.4	0	9.0	-1	1.2	-1	0.387	2	3.200	-1	8.266	0	2227	45	2.2
13473.0	10000	38.9850	95.0906	-772	PD	3.4	0	9.3	-1	1.2	-1	0.375	2	3.068	-1	8.171	-1	2294	46	2.2
13473.1	10000	38.9850	95.0899	-772	PD	3.4	0	9.5	-1	1.2	-1	0.385	2	3.193	-1	8.302	0	2323	51	2.2
13473.2	10000	38.9850	95.0891	-771	PD	3.4	0	9.9	-1	1.3	-1	0.376	2	3.930	-1	7.788	-1	2328	47	2.2
13473.3	10000	38.9850	95.0884	-770	PD	3.4	0	10.2	-1	1.3	-1	0.362	2	3.828	-1	7.813	-1	2312	43	2.2
13473.4	10000	38.9850	95.0877	-768	PD	3.4	0	10.5	-1	1.4	-1	0.376	2	3.633	-1	7.011	-1	2273	46	2.2
13473.5	10000	38.9850	95.0869	-766	PD	3.4	0	10.7	-1	1.4	-1	0.378	2	3.471	-1	6.529	-2	2240	51	2.2
13473.6	10000	38.9850	95.0862	-765	PD	3.5	0	10.9	-1	1.5	-2	0.353	0	3.120	-1	6.011	-2	2202	45	2.3

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13473.7	10000	38.9850	95.0855	-764	PD	2.8	-1	8.2	-1	1.5	2	0.346	0	1.946	-2	5.619	-2	2127	42	2.3
13473.8	10000	38.9850	95.0847	-763	PD	2.7	-1	7.5	-2	1.5	2	0.363	0	1.821	-2	5.021	-3	2055	37	2.3
13473.9	10000	38.9850	95.0840	-762	QAL	2.8	-1	6.9	-2	1.5	1	0.401	1	1.901	-1	4.744	-2	2005	52	2.3
13474.0	10000	38.9850	95.0833	-760	QAL	2.5	-1	6.3	-2	1.5	1	0.386	1	1.678	-1	4.342	-2	1954	54	2.3
13474.1	10000	38.9850	95.0826	-758	QAL	2.2	-2	6.7	-2	1.4	1	0.332	1	1.582	-1	4.770	-2	1923	52	2.3
13474.2	10000	38.9850	95.0818	-757	QAL	2.3	-1	6.4	-2	1.4	1	0.359	0	1.677	-1	4.672	-2	1900	40	2.3
13474.3	10000	38.9849	95.0811	-754	QAL	2.4	-1	6.4	-2	1.4	1	0.371	0	1.716	-1	4.622	-2	1871	50	2.3
13474.4	10000	38.9849	95.0804	-754	QAL	2.4	-1	6.5	-2	1.4	1	0.369	0	1.758	-1	4.770	-2	1856	39	2.3
13474.5	10000	38.9849	95.0796	-753	QAL	2.2	-2	6.3	-2	1.3	1	0.342	0	1.670	-1	4.879	-2	1843	45	2.3
13474.6	10000	38.9849	95.0789	-751	QAL	2.2	-2	6.1	-2	1.3	1	0.361	0	1.727	-1	4.779	-2	1812	51	2.3
13474.7	10000	38.9849	95.0782	-748	QAL	2.5	-1	6.0	-3	1.2	1	0.411	0	1.991	-1	4.841	-2	1776	42	2.3
13474.8	10000	38.9849	95.0774	-748	QAL	2.7	-1	5.2	-3	1.2	1	0.509	1	2.208	-1	4.338	-2	1718	55	2.3
13474.9	10000	38.9849	95.0767	-747	QAL	2.4	-1	5.3	-3	1.1	-1	0.455	2	2.143	-1	4.710	-2	1637	45	2.3
13475.0	10000	38.9849	95.0760	-745	QAL	2.4	-1	4.7	-4	1.0	-1	0.519	3	2.390	0	4.607	-2	1558	44	2.3
13475.1	10000	38.9849	95.0752	-741	QAL	2.5	-1	3.9	-4	0.9	-1	0.643	5	2.872	0	4.468	-2	1484	49	2.3
13475.2	10000	38.9849	95.0745	-739	QAL	2.5	-1	3.7	-4	0.8	-2	0.671	5	3.013	1	4.490	-2	1414	51	2.3
13475.3	10000	38.9849	95.0738	-737	QAL	2.4	-1	3.4	-5	0.7	-2	0.718	6	3.570	2	4.975	-2	1358	50	2.4
13475.4	10000	38.9849	95.0731	-734	QAL	2.5	-1	3.2	-5	0.6	-3	0.778	7	4.264	3	5.478	-1	1319	61	2.4
13475.5	10000	38.9849	95.0723	-729	QAL	2.4	-1	3.2	-5	0.6	-3	0.745	6	4.134	2	5.552	-1	1326	31	2.4
13475.6	10000	38.9849	95.0716	-728	QAL	2.4	-1	2.9	-5	0.6	-2	0.842	8	3.845	2	4.563	-2	1339	49	2.4
13475.7	10000	38.9849	95.0709	-723	QAL	2.3	-1	3.2	-5	0.6	-3	0.723	6	3.830	2	5.297	-2	1356	45	2.4
13475.8	10000	38.9848	95.0701	-718	QAL	2.3	-1	3.5	-5	0.7	-2	0.664	5	3.313	1	4.990	-2	1381	59	2.4
13475.9	10000	38.9848	95.0694	-715	QAL	2.5	-1	3.9	-4	0.8	-2	0.644	5	3.215	1	4.994	-2	1428	53	2.4
13476.0	10000	38.9848	95.0687	-709	QAL	2.7	-1	4.3	-4	0.9	-2	0.628	4	3.145	1	5.009	-2	1481	36	2.4
13476.1	10000	38.9848	95.0679	-704	QAL	2.5	-1	4.5	-4	1.0	-1	0.560	3	2.558	0	4.567	-2	1530	52	2.4
13476.2	10000	38.9848	95.0672	-701	QAL	2.5	-1	4.8	-3	1.1	-1	0.520	3	2.359	0	4.537	-2	1566	38	2.4
13476.3	10000	38.9848	95.0665	-696	QAL	2.6	-1	5.1	-3	1.1	0	0.507	3	2.289	0	4.511	-2	1624	45	2.4
13476.4	10000	38.9848	95.0658	-691	QAL	2.4	-1	5.1	-3	1.2	0	0.472	2	1.920	-1	4.072	-2	1653	41	2.4
13476.5	10000	38.9848	95.0650	-688	QAL	2.4	-1	5.0	-3	1.4	0	0.476	2	1.745	-1	3.670	-3	1675	51	2.4
13476.6	10000	38.9848	95.0643	-683	QAL	2.4	-1	5.7	-4	1.3	0	0.511	2	1.775	-1	3.476	-3	1669	41	2.4
13476.7	10000	38.9848	95.0636	-680	QAL	2.2	-2	5.2	-4	1.4	0	0.508	2	1.585	-1	3.118	-3	1626	47	2.4
13476.8	10000	38.9848	95.0628	-675	QAL	2.1	-2	5.1	-4	1.3	0	0.510	2	1.596	-1	3.128	-3	1594	46	2.4
13476.9	10000	38.9848	95.0621	-671	QAL	2.2	-2	4.9	-4	1.3	0	0.574	2	1.724	-1	3.007	-3	1588	54	2.4
13477.0	10000	38.9848	95.0614	-668	QAL	2.5	-1	4.9	-4	1.3	0	0.586	2	1.782	-1	3.039	-3	1598	36	2.4
13477.1	10000	38.9848	95.0606	-664	QAL	2.8	-1	4.6	-4	1.3	0	0.544	2	1.868	-1	3.432	-3	1665	48	2.4
13477.2	10000	38.9846	95.0599	-662	QAL	2.8	-1	5.4	-3	1.3	0	0.515	2	2.082	-1	4.045	-2	1747	47	2.4
13477.3	10000	38.9847	95.0592	-657	QAL	2.8	-1	6.4	-2	1.5	1	0.438	1	1.919	-1	4.379	-2	1872	52	2.4
13477.4	10000	38.9847	95.0584	-655	QAL	2.8	-1	7.1	-2	1.6	1	0.401	1	1.833	-1	4.577	-2	2016	50	2.4
13477.5	10000	38.9847	95.0577	-651	QAL	2.8	-1	6.9	-2	1.6	1	0.377	1	1.880	-1	5.073	-2	2135	32	2.4
13477.6	10000	38.9847	95.0570	-650	QAL	2.8	-1	7.6	-2	1.6	1	0.370	1	1.934	-1	5.219	-2	2219	39	2.4
13477.7	10000	38.9847	95.0562	-647	QAL	2.8	-1	8.0	-2	1.6	1	0.357	1	1.974	-1	5.527	-1	2258	34	2.4
13477.8	10000	38.9847	95.0555	-645	QAL	2.8	-1	8.0	-2	1.6	1	0.373	1	2.090	-1	5.610	-1	2272	33	2.4
13477.9	10000	38.9847	95.0547	-642	QAL	2.8	-1	8.0	-2	1.6	1	0.353	1	2.078	-1	5.889	-1	2303	46	2.4
13478.0	10000	38.9847	95.0540	-640	QAL	2.8	-1	8.0	-2	1.6	1	0.365	1	2.121	-1	5.811	-1	2318	47	2.4
13478.1	10000	38.9847	95.0532	-639	QAL	2.8	-1	8.0	-2	1.6	1	0.352	1	2.105	-1	5.985	-1	2334	33	2.4
13478.2	10000	38.9847	95.0525	-637	QAL	2.8	-1	8.0	-2	1.6	1	0.368	1	2.100	-1	5.709	-1	2356	43	2.4
13478.3	10000	38.9847	95.0517	-637	QAL	2.8	-1	8.0	-2	1.6	1	0.354	1	1.978	-1	5.922	-1	2381	47	2.4
13478.4	10000	38.9847	95.0510	-635	QAL	2.8	-1	8.0	-2	1.6	1	0.324	1	1.858	-1	5.731	-1	2439	42	2.4
13478.5	10000	38.9847	95.0502	-634	QAL	2.8	-1	8.0	-2	1.6	1	0.314	1	1.739	-1	5.539	-1	2484	42	2.4
13478.6	10000	38.9847	95.0495	-634	QAL	2.8	-1	8.0	-2	1.6	1	0.337	1	1.722	-1	5.115	-2	2496	58	2.4
13478.7	10000	38.9847	95.0487	-633	QAL	2.8	-1	8.0	-2	1.6	1	0.335	1	1.671	-1	4.996	-2	2461	50	2.4
13478.8	10000	38.9847	95.0479	-633	QAL	2.8	-1	8.0	-2	1.6	1	0.380	1	1.794	-1	4.716	-2	2441	48	2.3

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13478.9	10000	38.9847	95.0472	-631	QAL	3.5	1	8.5	-1	1.9	3	0.413	1	1.819	-1	4.406	-2	2427	45	2.3
13479.0	10000	38.9847	95.0464	-630	QAL	3.4	1	8.0	-1	1.9	3	0.428	1	1.774	-1	4.146	-2	2401	38	2.3
13479.1	10000	38.9847	95.0457	-630	QAL	3.4	1	7.5	-1	1.9	3	0.450	2	1.758	-1	3.909	-2	2367	35	2.3
13479.2	10000	38.9847	95.0449	-631	QAL	3.4	1	7.5	-1	1.9	3	0.450	2	1.742	-1	3.869	-2	2360	38	2.3
13479.3	10000	38.9847	95.0442	-629	QAL	3.2	0	8.0	-1	1.9	3	0.394	1	1.647	-1	4.176	-2	2363	54	2.3
13479.4	10000	38.9847	95.0434	-631	QAL	3.2	0	8.7	0	1.9	3	0.369	0	1.655	-1	4.484	-2	2392	53	2.3
13479.5	10000	38.9846	95.0427	-630	QAL	3.0	0	9.1	0	1.9	3	0.324	0	1.52[illegible]	-2	4.700	-2	2414	48	2.3
13479.6	10000	38.9846	95.0419	-632	QAL	2.9	0	9.7	0	2.0	3	0.297	-1	1.482	-2	4.927	-2	2450	33	2.3
13479.7	10000	38.9846	95.0412	-632	QAL	3.0	0	10.4	1	2.0	3	0.293	-1	1.522	-2	5.202	-2	2501	42	2.3
13479.8	10000	38.9846	95.0404	-633	QAL	3.0	0	10.9	1	2.0	3	0.276	-1	1.502	-2	5.453	-1	2526	31	2.3
13479.9	10000	38.9846	95.0396	-633	QAL	3.1	0	10.8	1	1.9	3	0.286	-1	1.589	-1	5.564	-1	2519	49	2.3
13480.0	10000	38.9846	95.0389	[illegible]	QAL	3.2	0	10.3	1	1.9	3	0.308	0	1.684	-1	5.470	-1	2505	55	2.3
13480.1	10000	38.9846	95.0381	-63[illegible]	QAL	3.2	0	10.0	1	1.9	3	0.323	0	1.686	-1	5.228	-2	2512	40	2.3
13480.2	10000	38.9846	95.0374	-63[illegible]	QAL	3.4	0	10.1	1	1.9	3	0.341	0	1.776	-1	5.201	-2	2512	53	2.3
13480.3	10000	38.9846	95.0366	-635	QAL	3.3	0	10.3	1	1.9	2	0.318	0	1.748	-1	5.491	-1	2514	42	2.3
13480.4	10000	38.9846	95.0359	-637	QAL	3.3	1	10.0	1	1.8	2	0.335	0	1.815	-1	5.419	-1	2511	48	2.3
13480.5	10000	38.9846	95.0351	-641	QAL	3.7	1	9.6	0	1.8	2	0.384	1	2.030	-1	5.283	-2	2519	40	2.3
13480.6	10000	38.9846	95.0344	-641	QAL	3.9	2	10.1	1	1.8	2	0.388	1	2.140	-1	5.521	-1	2549	45	2.3
13480.7	10000	38.9846	95.0336	-644	QAL	4.1	2	9.9	1	1.8	2	0.414	1	2.238	0	5.401	-1	2558	40	2.3
13480.8	10000	38.9846	95.0329	-644	QAL	4.1	2	9.7	0	1.8	2	0.424	1	2.317	0	5.469	-1	2533	39	2.3
13480.9	10000	38.9846	95.0321	-647	QAL	4.0	2	9.8	0	1.7	2	0.411	1	2.398	0	5.835	-1	2490	38	2.3
13481.0	10000	38.9846	95.0313	-647	QAL	3.9	2	9.5	0	1.6	2	0.408	1	2.371	0	5.811	-1	2416	30	2.3
13481.1	10000	38.9846	95.0306	-650	QAL	3.8	1	9.2	0	1.6	1	0.413	1	2.396	0	5.807	-1	2351	38	2.3
13481.2	10000	38.9846	95.0298	-650	QAL	3.5	1	9.4	0	1.5	1	0.370	1	2.337	0	6.310	-1	2275	52	2.2
13481.3	10000	38.9846	95.0291	-653	QAL	3.3	0	8.6	-1	1.4	1	0.380	1	2.317	0	6.104	-1	2163	42	2.2
13481.4	10000	38.9846	95.0283	-655	WATER	2.9	999	8.4	999	1.4	1	0.351	999	2.138	999	6.085	999	2049	39	2.2
13481.5	10000	38.9846	95.0276	-656	WATER	2.8	999	7.6	999	1.3	1	0.368	999	2.168	999	5.891	999	1936	33	2.2
13481.6	10000	38.9846	95.0268	-659	WATER	2.6	999	6.6	999	1.2	1	0.382	999	2.046	999	5.357	999	1828	40	2.2
13481.7	10000	38.9846	95.0261	-660	WATER	2.6	999	5.7	999	1.2	1	0.466	999	2.149	999	4.616	999	1731	41	2.2
13481.8	10000	38.9846	95.0253	-663	WATER	2.5	999	5.3	999	1.2	1	0.437	999	1.927	999	4.411	999	1640	34	2.2
13481.9	10000	38.9846	95.0246	-665	WATER	2.5	999	5.1	999	1.2	1	0.451	999	1.893	999	4.200	999	1613	39	2.2
13482.0	10000	38.9846	95.0238	-668	WATER	2.4	999	5.6	999	1.2	1	0.426	999	1.915	999	4.499	999	1660	43	2.2
13482.1	10000	38.9845	95.0230	-670	QAL	2.6	-1	6.2	0	1.3	1	0.414	1	2.051	-1	4.953	-2	1760	42	2.2
13482.2	10000	38.9845	95.0223	-672	QAL	2.8	0	7.1	0	1.4	1	0.397	1	2.165	-1	5.447	-1	1890	57	2.2
13482.3	10000	38.9845	95.0215	-672	QAL	3.0	0	7.8	1	1.5	1	0.394	1	2.198	-1	5.581	-1	2014	30	2.2
13482.4	10000	38.9845	95.0208	-675	QAL	3.1	0	8.5	1	1.5	1	0.339	0	1.924	-1	5.682	-1	2161	39	2.2
13482.5	10000	38.9845	95.0200	-680	QAL	3.3	0	9.4	1	1.6	1	0.370	1	2.170	-1	5.863	-1	2300	50	2.2
13482.6	10000	38.9845	95.0193	-682	QAL	3.4	0	9.9	1	1.7	1	0.374	1	2.157	-1	5.769	-1	2388	37	2.2
13482.7	10000	38.9845	95.0185	-685	QAL	3.4	0	10.0	1	1.8	1	0.326	0	1.885	-1	5.780	-1	2435	50	2.2
13482.8	10000	38.9845	95.0178	-687	QAL	3.5	0	10.0	1	1.8	1	0.336	0	1.832	-1	5.454	-1	2458	39	2.2
13482.9	10000	38.9845	95.0170	-689	QAL	3.7	1	10.0	1	1.9	1	0.304	-1	1.691	-1	5.570	-1	2453	46	2.2
13483.0	10000	38.9845	95.0163	-690	QAL	3.8	1	10.0	1	1.9	1	0.316	0	1.716	-1	5.439	-1	2463	62	2.2
13483.1	10000	38.9845	95.0155	-694	QAL	3.9	1	10.0	1	1.9	1	0.328	0	1.796	-1	5.479	-1	2455	36	2.2
13483.2	10000	38.9845	95.0147	-696	QAL	3.9	1	10.0	1	1.9	1	0.323	0	1.742	-1	5.357	-1	2445	37	2.2
13483.3	10000	38.9845	95.0140	-697	QAL	3.9	1	9.9	1	1.9	1	0.309	0	1.667	-1	5.393	-1	2443	38	2.2
13483.4	10000	38.9845	95.0132	-696	QAL	3.9	1	9.9	1	1.8	1	0.369	0	1.930	-1	5.224	-2	2430	38	2.2
13483.5	10000	38.9845	95.0125	-698	QAL	3.9	1	9.8	1	1.8	1	0.380	0	1.991	-1	5.241	-2	2409	48	2.2
13483.6	10000	38.9845	95.0117	-698	QAL	3.9	1	9.8	1	1.8	1	0.376	0	1.983	-1	5.268	-2	2416	42	2.2
13483.7	10000	38.9845	95.0110	-699	QAL	3.9	1	9.7	1	1.7	1	0.369	0	2.015	-1	5.456	-1	2425	46	2.2
13483.8	10000	38.9845	95.0102	-699	QAL	3.9	1	9.7	1	1.7	1	0.354	0	2.013	-1	5.695	-1	2418	58	2.2
13483.9	10000	38.9845	95.0095	-700	QAL	3.9	1	9.7	1	1.7	1	0.345	0	1.998	-1	5.792	-1	2419	45	2.2
13484.0	10000	38.9845	95.0087	-701	QAL	3.9	1	9.6	1	1.7	2	0.365	0	2.102	-1	5.752	-1	2420	44	2.3

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13484.1	10000	38.9845	95.0079	-699	QAL	3.6	1	9.7	0	1.7	2	0.366	0	2.048	-1	5.593	-1	2422	46	2.3
13484.2	10000	38.9845	95.0072	-701	QAL	3.3	0	10.1	1	1.7	2	0.324	0	1.900	-1	5.858	-1	2423	41	2.4
13484.3	10000	38.9845	95.0064	-698	QAL	3.4	1	9.5	0	1.7	2	0.355	0	1.974	-1	5.559	-1	2400	31	2.4
13484.4	10000	38.9845	95.0057	-700	QAL	3.3	0	9.3	0	1.7	2	0.352	0	1.932	-1	5.483	-1	2380	42	2.4
13484.5	10000	38.9844	95.0049	-700	QAL	3.2	0	8.7	0	1.7	2	0.361	0	1.841	-1	5.108	-2	2359	54	2.4
13484.6	10000	38.9844	95.0042	-703	QAL	3.1	0	8.6	-1	1.7	2	0.364	0	1.825	-1	5.020	-2	2342	51	2.4
13484.7	10000	38.9844	95.0034	-702	QAL	3.2	0	8.1	-1	1.7	2	0.401	1	1.888	-1	4.705	-2	2325	47	2.4
13484.8	10000	38.9844	95.0027	-705	QAL	3.1	0	8.1	-1	1.7	2	0.388	1	1.806	-1	4.655	-2	2321	39	2.4
13484.9	10000	38.9844	95.0019	-705	QAL	3.1	0	7.6	-1	1.8	2	0.409	1	1.778	-1	4.352	-2	2301	43	2.4
13485.0	10000	38.9844	95.0012	-707	QAL	3.1	0	7.5	-1	1.8	2	0.408	1	1.704	-1	4.181	-2	2297	49	2.4
13485.1	10000	38.9844	95.0004	-708	QAL	3.0	0	7.5	-1	1.9	2	0.392	1	1.598	-1	4.076	-2	2290	41	2.4
13485.2	10000	38.9844	94.9996	-711	QAL	3.4	1	7.4	-1	1.9	2	0.454	2	1.804	-1	3.974	-2	2305	41	2.4
13485.3	10000	38.9844	94.9989	-710	QAL	3.4	1	7.4	-1	1.9	2	0.454	2	1.745	-1	3.846	-2	2306	50	2.5
13485.4	10000	38.9844	94.9981	-710	QAL	3.1	0	8.1	-1	1.9	2	0.380	1	1.601	-1	4.211	-2	2315	49	2.5
13485.5	10000	38.9844	94.9974	-710	QAL	3.0	0	8.0	-1	1.9	2	0.382	1	1.594	-1	4.172	-2	2326	50	2.5
13485.6	10000	38.9844	94.9966	-714	QAL	2.9	0	8.2	-1	1.9	2	0.348	0	1.514	-2	4.346	-2	2350	33	2.5
13485.7	10000	38.9844	94.9959	-717	QAL	2.9	0	8.7	0	1.9	2	0.334	0	1.541	-2	4.606	-2	2379	41	2.5
13485.8	10000	38.9844	94.9951	-719	QAL	3.0	0	8.8	0	1.8	2	0.341	0	1.620	-1	4.748	-2	2409	39	2.5
13485.9	10000	38.9844	94.9944	-722	QAL	3.1	0	9.1	0	1.8	2	0.345	0	1.721	-1	4.995	-2	2423	46	2.5
13486.0	10000	38.9844	94.9936	-725	QAL	3.1	0	9.1	0	1.8	2	0.343	0	1.747	-1	5.099	-2	2425	40	2.5
13486.1	10000	38.9844	94.9929	-727	QAL	3.2	0	9.0	0	1.8	2	0.361	0	1.829	-1	5.064	-2	2442	44	2.5
13486.2	10000	38.9844	94.9921	-726	QAL	3.4	1	9.5	0	1.7	2	0.357	0	1.934	-1	5.423	-1	2450	47	2.6
13486.3	10000	38.9844	94.9913	-727	QAL	3.5	1	9.8	0	1.8	2	0.356	0	1.980	-1	5.556	-1	2480	41	2.6
13486.4	10000	38.9844	94.9906	-728	QAL	3.6	1	9.7	0	1.7	2	0.376	1	2.172	-1	5.783	-1	2475	46	2.6
13486.5	10000	38.9844	94.9898	-728	QAL	3.4	1	10.0	1	1.7	2	0.342	0	1.966	-1	5.757	-1	2466	39	2.6
13486.6	10000	38.9844	94.9891	-729	QAL	3.2	0	10.1	1	1.7	2	0.317	0	1.876	-1	5.924	-1	2466	53	2.6
13486.7	10000	38.9843	94.9883	-727	QAL	3.3	0	10.5	1	1.7	2	0.311	0	1.954	-1	6.284	-1	2484	53	2.6
13486.8	10000	38.9843	94.9876	-728	QAL	3.4	1	10.5	1	1.7	2	0.325	0	2.047	-1	6.288	-1	2477	35	2.6
13486.9	10000	38.9843	94.9868	-726	QAL	3.3	1	10.6	1	1.7	2	0.315	0	2.005	-1	6.366	-1	2457	37	2.6
13487.0	10000	38.9843	94.9861	-725	QAL	3.4	1	10.2	1	1.6	2	0.335	0	2.121	-1	6.339	-1	2425	50	2.6
13487.1	10000	38.9843	94.9853	-722	QAL	3.4	1	10.2	1	1.6	2	0.329	0	2.046	-1	6.211	-1	2420	42	2.6
13487.2	10000	38.9843	94.9845	-721	QAL	3.5	1	10.1	1	1.6	2	0.345	0	2.194	-1	6.369	-1	2427	43	2.7
13487.3	10000	38.9843	94.9838	-718	QAL	3.5	1	10.2	1	1.6	2	0.344	0	2.180	-1	6.331	-1	2430	54	2.7
13487.4	10000	38.9843	94.9830	-718	QAL	3.6	1	10.3	1	1.6	2	0.350	0	2.226	-1	6.361	-1	2424	47	2.7
13487.5	10000	38.9843	94.9823	-716	QAL	3.6	1	10.0	1	1.6	2	0.357	0	2.249	-1	6.296	-1	2431	40	2.7
13487.6	10000	38.9843	94.9815	-717	QAL	3.6	1	9.8	1	1.6	2	0.369	0	2.307	-1	6.255	-1	2434	42	2.7
13487.7	10000	38.9843	94.9808	-714	QAL	3.6	1	9.5	1	1.6	2	0.375	0	2.239	-1	5.963	-1	2422	35	2.7
13487.8	10000	38.9843	94.9800	-714	QAL	3.4	1	9.3	1	1.6	2	0.365	0	2.112	-1	5.785	-1	2391	47	2.7
13487.9	10000	38.9843	94.9793	-710	QAL	3.5	1	9.0	1	1.5	2	0.387	1	2.264	-1	5.858	-1	2336	49	2.7
13488.0	10000	38.9843	94.9785	-710	QAL	3.3	1	8.5	1	1.5	2	0.394	1	2.299	-1	5.831	-1	2255	45	2.7
13488.1	10000	38.9843	94.9778	-706	QAL	2.8	0	7.5	1	1.5	2	0.378	1	1.953	-1	5.170	-2	2157	44	2.7
13488.2	10000	38.9843	94.9770	-706	QAL	2.7	-1	7.1	-2	1.4	2	0.375	1	1.910	-1	5.086	-2	2038	49	2.7
13488.3	10000	38.9843	94.9762	-704	QAL	2.6	-1	6.2	-2	1.3	2	0.415	1	1.912	-1	4.610	-2	1936	47	2.7
13488.4	10000	38.9843	94.9755	-703	WATER	2.4	999	5.8	999	1.3	2	0.423	999	1.912	999	4.524	999	1838	37	2.7
13488.5	10000	38.9843	94.9747	-701	WATER	2.3	999	5.2	999	1.2	2	0.447	999	1.899	999	4.249	999	1744	37	2.7
13488.6	10000	38.9843	94.9740	-699	WATER	2.0	999	4.4	999	1.2	2	0.466	999	1.655	999	3.551	999	1646	45	2.8
13488.7	10000	38.9843	94.9732	-699	WATER	2.0	999	3.9	999	1.2	2	0.518	999	1.635	999	3.154	999	1592	61	2.8
13488.8	10000	38.9843	94.9725	-697	WATER	2.0	999	3.7	999	1.2	2	0.531	999	1.701	999	3.203	999	1563	35	2.8
13488.9	10000	38.9843	94.9717	-695	WATER	1.8	999	3.8	999	1.2	2	0.466	999	1.460	999	3.131	999	1578	48	2.8
13489.0	10000	38.9842	94.9710	-691	WATER	1.8	999	4.0	999	1.3	2	0.438	999	1.373	999	3.131	999	1624	33	2.8
13489.1	10000	38.9842	94.9702	-689	WATER	1.8	999	4.0	999	1.4	2	0.444	999	1.255	999	2.826	999	1674	51	2.8
13489.2	10000	38.9842	94.9695	-688	WATER	1.8	999	4.3	999	1.5	2	0.420	999	1.226	999	2.920	999	1730	44	2.8

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13489.3	10000	38.9842	94.9687	-685	WATER	1.9	999	5.3	999	1.5	999	0.357	999	1.228	999	3.436	999	1804	34	2.8
13489.4	10000	38.9842	94.9679	-684	WATER	2.1	999	5.7	999	1.6	999	0.360	999	1.298	999	3.603	999	1865	38	2.8
13489.5	10000	38.9842	94.9672	-680	WATER	2.2	999	6.1	999	1.6	999	0.362	999	1.344	999	3.709	999	1931	44	2.8
13489.6	10000	38.9842	94.9664	-677	WATER	2.1	999	6.7	999	1.7	999	0.311	999	1.233	999	3.961	999	1977	56	2.8
13489.7	10000	38.9842	94.9657	-668	WATER	2.2	999	7.1	999	1.7	999	0.309	999	1.283	999	4.146	999	2003	34	2.8
13489.8	10000	38.9842	94.9649	-665	WATER	2.2	999	8.1	999	1.6	999	0.270	999	1.328	999	4.915	999	2035	48	2.8
13489.9	10000	38.9842	94.9642	-675	WATER	2.3	999	8.4	999	1.6	999	0.274	999	1.433	999	5.224	999	2052	39	2.8
13490.0	10000	38.9842	94.9634	-674	WATER	2.2	999	8.3	999	1.6	999	0.271	999	1.409	999	5.206	999	2062	46	2.8
13490.1	10000	38.9842	94.9627	-669	WATER	2.1	999	8.3	999	1.5	999	0.250	999	1.354	999	5.413	999	2056	39	2.8
13490.2	10000	38.9842	94.9619	-666	WATER	2.3	999	8.1	999	1.5	999	0.284	999	1.509	999	5.320	999	2035	34	2.8
13490.3	10000	38.9842	94.9612	-662	WATER	2.4	999	7.6	999	1.5	999	0.323	999	1.630	999	5.046	999	2010	40	2.8
13490.4	10000	38.9842	94.9604	-660	WATER	2.1	999	7.3	999	1.5	999	0.291	999	1.413	999	4.854	999	1972	44	2.8
13490.5	10000	38.9842	94.9596	-657	WATER	2.4	999	6.3	999	1.5	999	0.386	999	1.589	999	4.119	999	1937	40	2.8
13490.6	10000	38.9842	94.9589	-653	WATER	2.3	999	5.8	999	1.6	999	0.387	999	1.423	999	3.679	999	1918	48	2.8
13490.7	10000	38.9842	94.9581	-652	WATER	2.4	999	5.4	999	1.6	999	0.442	999	1.490	999	3.370	999	1915	43	2.8
13490.8	10000	38.9842	94.9574	-648	WATER	2.4	999	5.1	999	1.7	999	0.464	999	1.395	999	3.006	999	1930	35	2.8
13490.9	10000	38.9842	94.9566	-646	WATER	2.5	999	5.2	999	1.7	999	0.472	999	1.428	999	3.025	999	1938	33	2.8
13491.0	10000	38.9842	94.9559	-646	WATER	2.5	999	5.3	999	1.7	999	0.464	999	1.423	999	3.065	999	1938	52	2.8
13491.1	10000	38.9841	94.9551	-643	WATER	2.5	999	5.0	999	1.7	999	0.509	999	1.509	999	2.965	999	1927	42	2.8
13491.2	10000	38.9841	94.9544	-643	WATER	2.3	999	4.9	999	1.7	999	0.462	999	1.353	999	2.928	999	1917	43	2.8
13491.3	10000	38.9841	94.9536	-643	WATER	2.3	999	4.6	999	1.6	999	0.489	999	1.407	999	2.877	999	1877	51	2.8
13491.4	10000	38.9841	94.9529	-641	WATER	2.2	999	4.3	999	1.5	999	0.519	999	1.483	999	2.859	999	1811	44	2.8
13491.5	10000	38.9841	94.9521	-643	WATER	2.1	999	4.2	999	1.4	999	0.489	999	1.467	999	3.001	999	1727	34	2.8
13491.6	10000	38.9841	94.9513	-642	WATER	1.8	999	4.0	999	1.4	999	0.442	999	1.258	999	2.843	999	1675	43	2.8
13491.7	10000	38.9841	94.9506	-643	WATER	1.7	999	3.6	999	1.5	999	0.483	999	1.186	999	2.458	999	1642	43	2.7
13491.8	10000	38.9841	94.9498	-644	WATER	1.5	999	3.6	999	1.5	999	0.418	999	1.012	999	2.420	999	1639	36	2.7
13491.9	10000	38.9841	94.9491	-644	WATER	1.5	999	4.2	999	1.5	999	0.358	999	0.997	999	2.784	999	1657	37	2.7
13492.0	10000	38.9841	94.9483	-648	WATER	1.7	999	4.4	999	1.6	999	0.377	999	1.055	999	2.797	999	1704	40	2.7
13492.1	10000	38.9841	94.9476	-648	WATER	1.8	999	5.1	999	1.7	999	0.356	999	1.082	999	3.038	999	1805	38	2.7
13492.2	10000	38.9841	94.9468	-651	WATER	2.4	999	5.4	999	1.7	999	0.456	999	1.459	999	3.203	999	1933	45	2.7
13492.3	10000	38.9841	94.9461	-652	WATER	2.9	999	6.2	999	1.6	999	0.461	999	1.771	999	3.841	999	2045	51	2.7
13492.4	10000	38.9841	94.9453	-652	WATER	3.3	999	7.6	999	1.6	999	0.430	999	2.061	999	4.788	999	2169	57	2.7
13492.5	10000	38.9841	94.9445	-654	WATER	3.6	999	8.4	999	1.6	999	0.424	999	2.216	999	5.221	999	2274	54	2.7
13492.6	10000	38.9841	94.9438	-656	WATER	3.7	999	8.7	999	1.7	999	0.426	999	2.231	999	5.242	999	2363	55	2.7
13492.7	10000	38.9841	94.9430	-660	QAL	3.8	1	9.3	0	1.7	1	0.408	999	2.257	0	5.532	-1	2457	36	2.7
13492.8	10000	38.9841	94.9423	-661	QAL	3.9	2	9.6	0	1.7	1	0.406	999	2.276	0	5.608	-1	2508	32	2.7
13492.9	10000	38.9841	94.9415	-666	QAL	3.7	1	10.4	0	1.8	1	0.355	999	2.044	-1	5.752	-1	2545	45	2.7
13493.0	10000	38.9841	94.9408	-668	QAL	3.4	1	10.3	0	1.9	1	0.332	999	1.811	-1	5.462	-1	2560	46	2.6
13493.1	10000	38.9841	94.9400	-673	QAL	3.0	1	10.0	0	1.9	1	0.304	999	1.597	-1	5.256	-2	2542	41	2.6
13493.2	10000	38.9841	94.9393	-675	QAL	3.1	1	9.7	0	1.9	1	0.309	999	1.636	-1	5.299	-2	2545	44	2.6
13493.3	10000	38.9840	94.9385	-680	QAL	3.1	1	9.8	0	1.9	1	0.325	999	1.693	-1	5.204	-2	2535	50	2.6
13493.4	10000	38.9840	94.9378	-682	QAL	3.1	1	9.7	0	1.9	1	0.321	999	1.695	-1	5.283	-2	2512	40	2.6
13493.5	10000	38.9840	94.9370	-686	QAL	3.1	1	9.3	0	1.9	1	0.329	999	1.662	-1	5.201	-2	2502	33	2.6
13493.6	10000	38.9840	94.9362	-689	QAL	3.1	1	9.2	0	1.9	1	0.345	999	1.683	-1	5.116	-2	2491	33	2.6
13493.7	10000	38.9840	94.9355	-693	QAL	3.2	1	9.0	0	1.9	1	0.366	999	1.804	-1	5.226	-2	2469	51	2.6
13493.8	10000	38.9840	94.9348	-695	QAL	3.4	1	9.0	0	1.9	1	0.411	999	1.939	-1	5.304	-2	2468	44	2.6
13493.9	10000	38.9840	94.9341	-700	QAL	3.7	1	9.2	0	1.9	1	0.416	999	2.070	-1	5.039	-2	2449	49	2.6
13494.0	10000	38.9840	94.9333	-701	QAL	3.8	1	9.0	0	1.9	1	0.407	999	2.177	-1	5.238	-2	2440	63	2.6
13494.1	10000	38.9840	94.9326	-705	QAL	3.7	1	8.8	0	1.9	1	0.397	999	2.075	-1	5.065	-2	2442	46	2.6
13494.2	10000	38.9840	94.9319	-706	QAL	3.6	1	8.8	0	1.9	1	0.395	999	2.048	-1	5.029	-2	2417	49	2.6
13494.3	10000	38.9840	94.9312	-709	QAL	3.4	1	8.5	0	1.8	1	0.395	999	1.899	-1	4.786	-2	2385	45	2.6
13494.4	10000	38.9840	94.9304	-710	QAL	3.4	1	8.5	0	1.8	1	0.395	999	1.900	-1	4.804	-2	2380	63	2.6

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13494.5	10000	38.9840	94.9297	-712	QAL	3.8	1	8.0	-1	1.8	2	0.478	2	2.096	-1	4.383	-2	2363	45	2.5
13494.6	10000	38.9840	94.9290	-714	QAL	3.8	1	8.1	-1	1.8	2	0.470	2	2.132	-1	4.531	-2	2345	41	2.5
13494.7	10000	38.9840	94.9282	-713	QAL	3.5	1	7.8	-1	1.7	2	0.455	2	2.045	-1	4.497	-2	2300	31	2.5
13494.8	10000	38.9840	94.9275	-715	QAL	3.4	1	7.7	-1	1.6	1	0.444	2	2.101	-1	4.729	-2	2246	44	2.5
13494.9	10000	38.9840	94.9268	-715	QAL	3.4	1	7.6	-1	1.5	1	0.449	2	2.235	0	4.981	-2	2190	40	2.5
13495.0	10000	38.9840	94.9260	-717	QAL	3.2	0	7.6	-1	1.5	1	0.422	1	2.199	-1	5.208	-2	2123	47	2.5
13495.1	10000	38.9840	94.9253	-719	QAL	3.1	0	6.9	-2	1.5	1	0.445	2	2.103	-1	4.731	-2	2046	52	2.5
13495.2	10000	38.9840	94.9246	-718	QAL	2.5	-1	6.5	-2	1.4	1	0.379	1	1.768	-1	4.664	-2	1955	54	2.5
13495.3	10000	38.9840	94.9239	-719	QAL	2.1	-2	6.0	-3	1.4	1	0.351	0	1.520	-2	4.335	-2	1868	49	2.5
13495.4	10000	38.9840	94.9231	-720	QAL	2.1	-2	5.5	-3	1.3	0	0.390	1	1.615	-1	4.146	-2	1785	44	2.5
13495.5	10000	38.9840	94.9224	-719	QAL	2.3	-2	5.0	-3	1.2	0	0.454	2	1.844	-1	4.064	-2	1700	47	2.5
13495.6	10000	38.9840	94.9217	-719	QAL	2.3	-1	4.6	-4	1.2	0	0.512	3	1.946	-1	3.803	-2	1636	50	2.5
13495.7	10000	38.9840	94.9209	-718	QAL	2.6	-1	4.1	-4	1.1	0	0.630	4	2.299	0	3.651	-3	1591	57	2.5
13495.8	10000	38.9840	94.9202	-717	QAL	2.5	-1	4.3	-4	1.1	-1	0.576	4	2.355	0	4.089	-2	1571	32	2.5
13495.9	10000	38.9840	94.9195	-716	QAL	2.5	-1	4.9	-3	0.9	-1	0.522	3	2.675	0	5.129	-2	1592	38	2.5
13496.0	10000	38.9840	94.9188	-716	QAL	2.6	-1	5.7	-3	0.9	-1	0.459	2	2.980	1	6.493	-1	1615	43	2.5
13496.1	10000	38.9840	94.9180	-713	QAL	2.7	-1	6.5	-2	0.9	-1	0.409	1	2.957	1	7.224	0	1682	47	2.5
13496.2	10000	38.9840	94.9173	-711	QAL	2.8	-1	6.8	-2	1.0	-1	0.410	1	2.880	1	7.026	0	1756	38	2.5
13496.3	10000	38.9840	94.9166	-710	QAL	2.6	-1	7.2	-2	1.0	-1	0.367	0	2.600	0	7.087	0	1794	42	2.5
13496.4	10000	38.9840	94.9158	-707	QAL	2.9	-1	7.6	-1	1.1	-1	0.339	0	2.426	0	7.159	0	1844	42	2.5
13496.5	10000	38.9840	94.9151	-706	QAL	2.7	-1	7.8	-1	1.1	-1	0.343	0	2.477	0	7.222	0	1895	46	2.5
13496.6	10000	38.9840	94.9144	-704	QAL	2.7	-1	8.3	-1	1.2	0	0.325	0	2.342	0	7.196	0	1943	51	2.5
13496.7	10000	38.9840	94.9137	-705	QAL	2.6	-1	8.3	-1	1.2	0	0.316	0	2.114	-1	6.681	-1	1997	46	2.5
13496.8	10000	38.9840	94.9129	-704	QAL	2.7	-1	8.2	-1	1.3	0	0.331	0	2.128	-1	6.429	-1	2017	52	2.5
13496.9	10000	38.9840	94.9122	-702	QAL	2.6	-1	8.5	-1	1.2	0	0.307	0	2.093	-1	6.812	-1	2023	42	2.5
13497.0	10000	38.9840	94.9115	-702	QAL	2.7	-1	8.6	-1	1.2	0	0.315	0	2.269	0	7.205	0	2036	44	2.5
13497.1	10000	38.9840	94.9107	-701	QAL	2.8	-1	8.8	0	1.2	0	0.316	0	2.332	0	7.390	0	2038	42	2.5
13497.2	10000	38.9840	94.9100	-702	QAL	2.7	-1	8.9	0	1.2	0	0.303	-1	2.274	0	7.510	0	2036	31	2.5
13497.3	10000	38.9840	94.9093	-701	PKC	2.7	-1	8.3	-1	1.1	0	0.330	0	2.454	-1	7.436	-1	2013	67	2.5
13497.4	10000	38.9839	94.9086	-700	PKC	2.1	-1	7.4	-1	1.1	0	0.380	0	2.828	-1	7.448	-1	2000	44	2.5
13497.5	10000	38.9840	94.9078	-700	PKC	2.9	-1	7.6	-1	1.1	0	0.343	0	2.805	0	8.188	0	1990	48	2.5
13497.6	10000	38.9839	94.9071	-700	PKC	2.7	-1	7.6	-1	1.0	0	0.319	0	2.664	0	8.343	0	1986	52	2.5
13497.7	10000	38.9839	94.9064	-700	PKC	2.7	-1	7.6	-1	1.0	0	0.315	0	2.604	0	8.261	0	1987	42	2.5
13497.8	10000	38.9839	94.9056	-699	PKC	2.6	-1	7.3	-1	1.0	0	0.316	0	2.608	0	8.260	0	1964	55	2.4
13497.9	10000	38.9839	94.9049	-698	PKC	2.7	-1	7.4	-1	1.0	0	0.335	0	2.715	0	8.114	0	1947	52	2.4
13498.0	10000	38.9839	94.9042	-697	PKC	2.7	-1	7.6	-1	1.0	0	0.334	0	2.739	0	8.210	0	1933	41	2.4
13498.1	10000	38.9839	94.9035	-696	PKC	2.7	-1	7.8	-1	1.0	0	0.324	0	2.747	0	8.474	0	1906	43	2.4
13498.2	10000	38.9839	94.9027	-697	PKC	2.7	-1	7.6	-1	1.0	0	0.348	0	2.801	0	8.060	0	1894	40	2.4
13498.3	10000	38.9839	94.9020	-696	PKC	2.9	-1	7.6	-1	1.0	0	0.381	0	3.008	0	7.893	0	1899	41	2.4
13498.4	10000	38.9839	94.9013	-695	PKC	2.9	-1	7.6	-1	1.0	0	0.360	0	2.952	0	8.208	0	1931	33	2.4
13498.5	10000	38.9839	94.9005	-693	PKC	3.2	-1	7.8	-1	1.1	0	0.352	0	3.052	0	8.668	0	2002	43	2.4
13498.6	10000	38.9839	94.8998	-692	PKC	3.1	-1	8.1	-1	1.1	0	0.318	0	2.802	0	8.803	0	2056	46	2.4
13498.7	10000	38.9839	94.8991	-690	PKC	3.1	-1	8.3	-1	1.1	0	0.306	0	2.719	0	8.892	0	2103	52	2.4
13498.8	10000	38.9839	94.8983	-691	PKC	3.2	-1	8.5	-1	1.2	0	0.275	0	2.477	0	9.009	0	2155	44	2.4
13498.9	10000	38.9839	94.8976	-689	PKC	3.0	-1	8.5	-1	1.2	0	0.264	0	2.394	0	9.054	0	2192	42	2.4
13499.0	10000	38.9839	94.8969	-689	PKC	3.0	-1	8.5	-1	1.2	0	0.264	0	2.449	0	9.283	0	2220	44	2.4
13499.1	10000	38.9839	94.8962	-688	PKC	3.0	-1	8.5	-1	1.2	0	0.292	0	2.545	0	9.726	0	2220	44	2.4
13499.2	10000	38.9839	94.8954	-688	PKC	3.1	-1	8.5	-1	1.2	0	0.300	0	2.586	0	9.611	0	2194	32	2.4
13499.3	10000	38.9839	94.8947	-688	PKC	3.1	-1	8.5	-1	1.2	0	0.327	0	2.817	0	9.607	0	2165	46	2.4
13499.4	10000	38.9839	94.8940	-687	PLP	3.1	-1	8.5	-1	1.2	0	0.310	0	2.563	0	9.277	0	2167	54	2.4
13499.5	10000	38.9839	94.8932	-687	PLP	3.1	-1	8.5	-1	1.2	0	0.326	0	2.651	0	9.126	0	2170	44	2.4
13499.6	10000	38.9839	94.8925	-687	PLP	3.4	-1	8.5	-1	1.3	0	0.331	0	2.702	0	9.154	0	2182	36	2.4

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13499.7	10000	38.9839	94.8918	-686	PLP	3.4	0	9.8	0	1.3	1	0.348	0	2.622	0	7.532	-1	2190	39	2.4
13499.8	10000	38.9839	94.8911	-687	PLP	3.5	1	10.2	1	1.3	1	0.344	0	2.708	0	7.863	0	2219	44	2.4
13499.9	10000	38.9839	94.8903	-687	PLP	3.3	0	10.4	1	1.3	1	0.320	0	2.477	-1	7.730	-1	2236	44	2.4
13500.0	10000	38.9839	94.8896	-689	PLP	3.4	0	10.6	1	1.4	1	0.321	0	2.433	-1	7.587	-1	2279	47	2.4
13500.1	10000	38.9839	94.8889	-687	PLP	3.6	1	10.4	1	1.4	1	0.349	0	2.650	0	7.590	-1	2286	47	2.4
13500.2	10000	38.9839	94.8882	-687	PLP	3.7	1	10.4	1	1.4	1	0.354	0	2.627	0	7.426	-1	2296	51	2.4
13500.3	10000	38.9839	94.8874	-688	PLP	3.5	1	10.6	1	1.4	2	0.331	0	2.476	-1	7.471	-1	2300	57	2.4
13500.4	10000	38.9839	94.8867	-688	PLP	3.4	0	11.0	1	1.4	1	0.311	0	2.439	-1	7.844	0	2299	45	2.4
13500.5	10000	38.9839	94.8860	-689	PLP	2.9	-1	10.6	1	1.4	1	0.275	-1	2.105	-1	7.641	-1	2295	42	2.4
13500.6	10000	38.9839	94.8852	-688	PLP	2.8	-1	10.6	1	1.4	1	0.267	-1	2.088	-1	7.828	-1	2304	42	2.4
13500.7	10000	38.9839	94.8845	-689	PLP	3.1	0	10.6	1	1.3	1	0.289	-1	2.333	-1	8.071	0	2289	52	2.4
13500.8	10000	38.9839	94.8838	-688	PLP	3.1	0	10.9	1	1.3	1	0.287	-1	2.406	-1	8.372	0	2291	55	2.4
13500.9	10000	38.9839	94.8830	-688	PLP	3.0	0	10.6	1	1.3	1	0.286	-1	2.432	-1	8.503	0	2267	42	2.4
13501.0	10000	38.9839	94.8823	-687	PLP	3.2	0	10.3	1	1.3	1	0.316	0	2.585	0	8.183	0	2256	47	2.4
13501.1	10000	38.9839	94.8816	-687	PLP	3.1	0	10.2	1	1.3	1	0.306	-1	2.453	-1	8.003	0	2237	57	2.4
13501.2	10000	38.9839	94.8809	-686	PLP	3.3	0	10.1	0	1.3	1	0.329	0	2.546	0	7.729	-1	2231	48	2.4
13501.3	10000	38.9839	94.8801	-687	PLP	3.5	1	9.8	0	1.3	1	0.357	0	2.638	0	7.381	-1	2226	46	2.4
13501.4	10000	38.9839	94.8794	-687	PLP	3.1	0	9.5	0	1.4	2	0.326	0	2.256	-1	6.912	-1	2210	54	2.4
13501.5	10000	38.9839	94.8787	-686	PKC	3.1	0	9.2	0	1.4	2	0.337	0	2.194	-1	6.507	-1	2216	49	2.4
13501.6	10000	38.9838	94.8779	-687	PKC	3.1	0	9.5	0	1.4	2	0.330	0	2.188	-1	6.623	-1	2237	54	2.4
13501.7	10000	38.9838	94.8772	-687	PKC	2.9	-1	9.6	0	1.4	2	0.304	-1	2.060	-1	6.784	-1	2237	51	2.4
13501.8	10000	38.9838	94.8765	-686	PKC	3.1	0	9.9	0	1.4	2	0.310	-1	2.155	-1	6.941	-1	2259	34	2.4
13501.9	10000	38.9838	94.8757	-686	PKC	3.1	0	10.1	1	1.4	2	0.307	-1	2.151	-1	7.004	-1	2261	43	2.4
13502.0	10000	38.9838	94.8750	-687	PKC	3.1	0	10.0	1	1.4	2	0.309	-1	2.156	-1	6.970	-1	2255	48	2.4
13502.1	10000	38.9838	94.8743	-687	PKC	3.2	0	10.7	1	1.4	2	0.296	-1	2.196	-1	7.406	-1	2258	43	2.4
13502.2	10000	38.9838	94.8736	-688	PKC	3.1	0	10.6	1	1.5	2	0.291	-1	2.097	-1	7.207	-1	2254	48	2.4
13502.3	10000	38.9838	94.8728	-688	PKC	3.1	0	10.6	1	1.4	2	0.287	-1	2.126	-1	7.401	-1	2251	38	2.4
13502.4	10000	38.9838	94.8721	-689	PKC	3.1	0	10.7	1	1.4	2	0.290	-1	2.213	-1	7.643	-1	2263	45	2.4
13502.5	10000	38.9838	94.8714	-689	PKC	3.1	0	10.5	1	1.4	2	0.296	-1	2.176	-1	7.356	-1	2275	46	2.3
13502.6	10000	38.9838	94.8707	-690	PKC	3.2	0	10.8	1	1.4	2	0.298	-1	2.294	-1	7.700	-1	2277	47	2.4
13502.7	10000	38.9838	94.8699	-690	PKC	3.1	0	10.7	1	1.4	2	0.293	-1	2.259	-1	7.709	0	2269	41	2.4
13502.8	10000	38.9838	94.8692	-691	PKC	3.1	0	10.5	1	1.4	2	0.311	-1	2.410	-1	7.744	0	2283	44	2.4
13502.9	10000	38.9838	94.8685	-691	PKC	3.1	0	10.8	1	1.3	2	0.288	-1	2.358	-1	8.176	0	2287	34	2.4
13503.0	10000	38.9838	94.8677	-691	PKC	3.1	0	10.2	1	1.3	2	0.308	-1	2.391	-1	7.762	0	2275	54	2.4
13503.1	10000	38.9838	94.8670	-692	PKC	3.1	0	10.0	1	1.4	2	0.306	-1	2.248	-1	7.348	-1	2271	49	2.4
13503.2	10000	38.9838	94.8663	-692	PKC	3.0	-1	10.1	1	1.3	2	0.295	-1	2.203	-1	7.472	-1	2249	42	2.4
13503.3	10000	38.9838	94.8656	-693	PKC	2.7	-1	10.2	1	1.4	2	0.266	-1	1.969	-1	7.396	-1	2222	47	2.4
13503.4	10000	38.9838	94.8648	-693	PLP	2.5	-2	9.9	1	1.4	2	0.254	-1	1.825	-2	7.194	-1	2230	48	2.4
13503.5	10000	38.9838	94.8641	-693	PLP	2.3	-2	9.7	0	1.4	2	0.241	-2	1.666	-2	6.905	-1	2217	43	2.4
13503.6	10000	38.9838	94.8634	-693	PLP	2.5	-2	9.5	0	1.4	2	0.264	-1	1.793	-2	6.779	-1	2202	44	2.4
13503.7	10000	38.9838	94.8626	-692	PLP	2.5	-2	9.8	0	1.4	2	0.255	-1	1.803	-2	7.084	-1	2194	43	2.4
13503.8	10000	38.9838	94.8619	-691	PLP	2.5	-1	9.6	0	1.4	2	0.264	-1	1.833	-2	6.955	-1	2177	54	2.4
13503.9	10000	38.9838	94.8612	-690	PLP	2.4	-2	9.5	0	1.4	2	0.252	-2	1.731	-2	6.878	-1	2168	51	2.4
13504.0	10000	38.9838	94.8604	-688	PLP	2.7	-1	9.4	0	1.4	2	0.291	-1	2.029	-1	6.974	-1	2180	40	2.4
13504.1	10000	38.9838	94.8597	-688	PLP	2.8	-1	9.5	0	1.4	2	0.295	-1	2.046	-1	6.933	-1	2174	30	2.4
13504.2	10000	38.9838	94.8590	-689	PLP	2.8	-1	10.0	0	1.3	2	0.281	-1	2.110	-1	7.503	-1	2176	39	2.4
13504.3	10000	38.9838	94.8583	-688	PLP	2.7	-1	10.0	0	1.4	2	0.270	-1	1.995	-1	7.390	-1	2180	46	2.4
13504.4	10000	38.9838	94.8575	-689	PLP	2.6	-1	10.1	0	1.4	2	0.260	-1	1.844	-2	7.094	-1	2185	44	2.4
13504.5	10000	38.9838	94.8568	-688	PLP	2.5	-1	10.3	0	1.5	2	0.245	-2	1.727	-2	7.044	-1	2189	50	2.4
13504.6	10000	38.9838	94.8561	-686	PLP	2.6	-1	10.2	0	1.4	2	0.256	-1	1.809	-2	7.077	-1	2186	46	2.4
13504.7	10000	38.9838	94.8553	-685	PLP	2.6	-1	10.1	0	1.5	2	0.263	-1	1.810	-2	6.882	-1	2176	54	2.4
13504.8	10000	38.9838	94.8546	-683	PLP	2.8	-1	10.5	1	1.4	2	0.265	-1	1.943	-1	7.330	-1	2171	50	2.2

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13504.9	10000	38.9838	94.8539	-680	PLP	3.0	-1	10.2	1	1.5	2	0.290	-1	2.042	-1	7.046	-1	2191	54	2.2
13505.0	10000	38.9838	94.8532	-678	PLP	3.1	0	10.3	1	1.4	2	0.300	-1	2.131	-1	7.099	-1	2211	47	2.2
13505.1	10000	38.9838	94.8524	-676	PLP	3.0	0	10.6	1	1.4	1	0.285	-1	2.157	-1	7.577	-1	2227	39	2.2
13505.2	10000	38.9838	94.8517	-675	PLP	3.5	1	10.1	0	1.4	1	0.344	0	2.536	0	7.365	-1	2243	46	2.2
13505.3	10000	38.9837	94.8510	-675	PLP	3.7	1	10.3	1	1.3	1	0.359	0	2.740	0	7.639	-1	2241	58	2.2
13505.4	10000	38.9838	94.8503	-673	PLP	3.5	1	10.1	0	1.4	1	0.348	0	2.561	0	7.364	-1	2262	54	2.1
13505.5	10000	38.9837	94.8495	-672	PLP	3.4	0	10.1	0	1.4	1	0.338	0	2.429	-1	7.180	-1	2278	43	2.1
13505.6	10000	38.9837	94.8488	-672	PLP	3.5	1	9.6	0	1.4	2	0.361	0	2.397	-1	6.647	-1	2265	45	2.1
13505.7	10000	38.9837	94.8481	-670	PLP	3.3	0	10.0	0	1.5	2	0.331	0	2.260	-1	6.832	-1	2245	36	2.1
13505.8	10000	38.9837	94.8473	-669	PLP	3.5	1	9.8	0	1.4	2	0.353	0	2.416	-1	6.847	-1	2213	54	2.1
13505.9	10000	38.9837	94.8466	-668	PLP	3.3	0	10.1	0	1.4	1	0.327	0	2.342	-1	7.250	-1	2191	45	2.1
13506.0	10000	38.9837	94.8459	-665	PLP	3.2	0	9.8	0	1.4	2	0.324	0	2.255	-1	6.967	-1	2175	58	2.1
13506.1	10000	38.9837	94.8451	-662	PLP	3.0	0	9.8	0	1.4	1	0.310	0	2.174	-1	7.012	-1	2138	58	2.1
13506.2	10000	38.9837	94.8444	-659	PLP	3.2	0	9.6	0	1.4	1	0.328	0	2.306	-1	7.019	-1	2119	55	2.1
13506.3	10000	38.9837	94.8437	-656	PLP	3.0	0	10.2	1	1.3	1	0.298	-1	2.319	-1	7.785	-1	2107	55	2.1
13506.4	10000	38.9837	94.8430	-656	PLP	3.1	0	10.0	0	1.3	1	0.315	0	2.466	-1	7.828	-1	2109	36	2.1
13506.5	10000	38.9837	94.8422	-656	PLP	3.0	-1	9.9	0	1.3	1	0.300	-1	2.277	-1	7.590	-1	2121	47	2.1
13506.6	10000	38.9837	94.8415	-655	PLP	3.0	0	10.1	0	1.3	1	0.300	-1	2.341	-1	7.797	-1	2140	49	2.1
13506.7	10000	38.9837	94.8408	-653	PLP	3.1	0	10.1	0	1.3	1	0.306	-1	2.408	-1	7.875	0	2164	46	2.1
13506.8	10000	38.9837	94.8400	-650	PLP	3.1	0	10.7	1	1.3	1	0.294	-1	2.481	-1	8.431	0	2183	52	2.1
13506.9	10000	38.9837	94.8393	-647	PLP	3.4	0	10.6	1	1.3	1	0.317	0	2.609	0	8.240	0	2211	49	2.1
13507.0	10000	38.9837	94.8386	-643	PLP	3.4	0	10.7	1	1.3	1	0.317	0	2.631	0	8.290	0	2230	50	2.1
13507.1	10000	38.9837	94.8379	-642	PLP	3.3	0	11.1	1	1.3	1	0.298	-1	2.592	0	8.687	0	2223	40	2.1
13507.2	10000	38.9837	94.8371	-642	PLP	3.4	0	11.1	1	1.3	1	0.302	-1	2.648	0	8.753	0	2222	45	2.1
13507.3	10000	38.9837	94.8364	-641	PLP	3.3	0	10.7	1	1.3	1	0.307	-1	2.590	0	8.444	0	2214	44	2.1
13507.4	10000	38.9837	94.8357	-639	PLP	3.1	0	10.6	1	1.3	1	0.292	-1	2.403	-1	8.231	0	2214	46	2.1
13507.5	10000	38.9837	94.8349	-637	PLP	3.2	0	9.8	1	1.4	1	0.329	0	2.337	-1	7.107	-1	2229	47	2.1
13507.6	10000	38.9837	94.8342	-638	PLP	3.0	0	9.7	1	1.4	1	0.310	0	2.211	-1	7.142	-1	2207	50	2.1
13507.7	10000	38.9837	94.8335	-637	PLP	3.4	0	9.8	1	1.4	1	0.351	0	2.374	-1	6.772	-1	2198	56	2.1
13507.8	10000	38.9837	94.8327	-634	PLP	3.4	0	9.1	1	1.3	1	0.387	0	2.659	-1	6.863	-1	2187	47	2.1
13507.9	10000	38.9837	94.8320	-634	PLP	3.3	0	8.9	1	1.3	1	0.408	0	2.746	-1	6.725	-1	2180	49	2.1
13508.0	10000	38.9837	94.8313	-637	PLP	3.5	1	9.1	1	1.3	1	0.410	0	2.855	-1	6.968	-1	2173	41	2.0
13508.1	10000	38.9837	94.8306	-638	PLP	3.6	1	9.3	1	1.3	1	0.430	0	3.064	-1	7.131	-1	2169	44	2.0
13508.2	10000	38.9837	94.8298	-637	PLP	3.7	0	9.8	1	1.3	1	0.392	0	3.047	-1	7.769	-1	2177	54	2.0
13508.3	10000	38.9837	94.8291	-637	PLP	3.6	0	9.8	1	1.3	1	0.374	0	3.013	-1	8.049	0	2181	68	2.0
13508.4	10000	38.9837	94.8284	-638	PKC	3.6	0	10.2	1	1.3	1	0.354	0	2.845	-1	8.030	0	2160	48	2.0
13508.5	10000	38.9837	94.8277	-637	PKC	3.7	1	9.9	1	1.3	1	0.325	-1	2.415	-1	7.432	-1	2151	44	2.0
13508.6	10000	38.9837	94.8269	-637	PKC	3.7	1	9.9	1	1.3	1	0.309	-1	2.337	-1	7.558	-1	2141	50	2.0
13508.7	10000	38.9837	94.8262	-635	PKC	3.6	1	9.9	1	1.3	1	0.273	-1	2.076	-1	7.615	-1	2107	41	2.0
13508.8	10000	38.9837	94.8255	-635	PKC	3.6	1	9.9	1	1.3	1	0.275	-1	2.027	-1	7.377	-1	2092	36	2.0
13508.9	10000	38.9837	94.8247	-638	PKC	3.7	1	9.9	1	1.3	1	0.285	-1	2.175	-1	7.629	-1	2037	43	2.0
13509.0	10000	38.9837	94.8240	-641	PKC	3.6	1	9.9	1	1.3	2	0.290	-1	2.258	-1	7.778	0	1994	44	2.0
13509.1	10000	38.9837	94.8233	-644	PKC	3.7	1	9.9	1	1.3	1	0.252	-1	1.961	-1	7.790	0	1957	49	2.0
13509.2	10000	38.9837	94.8226	-644	PKC	3.7	1	9.8	1	1.3	1	0.288	-1	2.240	-1	7.787	0	1933	49	2.0
13509.3	10000	38.9836	94.8218	-643	PKC	3.7	1	9.8	1	1.3	1	0.316	-1	2.486	-1	7.874	0	1910	25	2.0
13509.4	10000	38.9837	94.8211	-642	PKC	3.7	1	9.8	1	1.3	1	0.376	0	2.866	0	7.634	-1	1934	56	2.0
13509.5	10000	38.9836	94.8204	-640	PKC	3.7	1	9.8	1	1.3	1	0.379	0	3.026	0	7.987	0	1941	37	2.0
13509.6	10000	38.9836	94.8196	-634	PKC	3.7	1	9.8	1	1.3	1	0.395	0	3.072	0	7.775	0	1974	36	2.0
13509.7	10000	38.9836	94.8189	-627	PKC	3.7	1	9.8	1	1.3	1	0.428	0	2.965	-1	6.921	-1	2021	39	2.0
13509.8	10000	38.9836	94.8182	-623	PKC	3.7	1	9.8	1	1.3	1	0.434	0	2.892	-1	6.665	-1	2088	37	2.0
13509.9	10000	38.9836	94.8174	-629	PKC	3.7	1	9.8	1	1.3	1	0.459	0	3.135	-1	6.836	-1	2159	28	2.0
13510.0	10000	38.9836	94.8167	-639	PKC	3.7	1	9.8	1	1.3	1	0.423	0	2.876	0	6.791	-1	2219	49	2.0

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13510.1	10000	38.9836	94.8159	-646	PKC	3.7	1	9.0	0	1.3	1	0.412	1	2.769	0	6.714	-1	2251	36	2.0
13510.2	10000	38.9836	94.8151	-648	PKC	3.5	0	9.4	0	1.4	1	0.368	0	2.486	-1	6.755	-1	2260	59	2.0
13510.3	10000	38.9837	94.8144	-651	PKC	3.4	0	9.6	0	1.4	2	0.356	0	2.424	-1	6.805	-1	2233	39	2.1
13510.4	10000	38.9837	94.8136	-653	PKC	3.3	0	9.4	0	1.3	1	0.356	0	2.573	-1	7.238	-1	2143	51	2.1
13510.5	10000	38.9837	94.8129	-653	PKC	3.2	0	8.5	-1	1.1	0	0.383	0	2.934	0	7.668	-1	1968	51	2.1
13510.6	10000	38.9837	94.8121	-653	PKC	2.7	-1	7.3	-2	0.9	-1	0.373	0	2.900	0	7.775	0	1739	43	2.1
13510.7	10000	38.9837	94.8113	-654	PKC	2.5	-2	5.9	-3	0.8	-2	0.418	1	3.088	0	7.388	-1	1502	46	2.0
13510.8	10000	38.9837	94.8106	-655	PKC	1.9	-3	4.8	-4	0.6	-3	0.392	0	2.931	0	7.467	-1	1259	48	2.0
13510.9	10000	38.9837	94.8098	-657	PKC	1.5	-3	3.4	-5	0.5	-4	0.438	1	3.328	1	7.602	-1	1044	42	2.0
13511.0	10000	38.9837	94.8091	-658	PKC	1.3	-4	2.5	-5	0.3	-5	0.531	2	4.313	2	8.115	0	865	33	2.0
13511.1	10000	38.9837	94.8083	-658	PKC	1.1	-4	1.8	-6	0.2	-5	0.619	3	4.769	3	7.705	0	731	50	2.0
13511.2	10000	38.9837	94.8075	-658	PKC	1.1	-4	1.6	-6	0.2	-5	0.703	4	5.433	4	7.732	0	672	48	2.0
13511.3	10000	38.9837	94.8068	-658	PKC	1.0	-4	1.3	-6	0.2	-5	0.765	5	5.425	4	7.087	-1	657	57	2.0
13511.4	10000	38.9837	94.8060	-658	PKC	1.1	-4	1.6	-6	0.2	-6	0.667	4	6.884	6	10.325	2	675	38	2.0
13511.5	10000	38.9837	94.8053	-658	PKC	1.2	-4	1.8	-6	0.2	-5	0.673	4	6.486	5	9.642	1	722	34	2.0
13511.6	10000	38.9837	94.8045	-659	PKC	1.3	-4	2.2	-6	0.3	-5	0.608	3	5.178	3	8.520	0	807	59	2.0
13511.7	10000	38.9837	94.8037	-659	PKC	1.5	-3	2.9	-5	0.3	-5	0.536	2	4.572	2	8.524	0	931	42	2.0
13511.8	10000	38.9837	94.8030	-660	PKC	1.6	-3	3.5	-5	0.5	-4	0.453	1	3.487	1	7.689	-1	1070	42	2.0
13511.9	10000	38.9837	94.8022	-661	PKC	1.9	-2	4.4	-4	0.6	-3	0.443	1	3.383	1	7.636	-1	1236	56	2.0
13512.0	10000	38.9837	94.8015	-660	PKC	2.2	-2	5.3	-3	0.7	-2	0.416	1	3.122	0	7.504	-1	1384	45	2.0
13512.1	10000	38.9837	94.8007	-661	PKC	2.3	-2	5.9	-3	0.9	-1	0.387	0	2.601	-1	6.724	-1	1533	37	2.0
13512.2	10000	38.9837	94.7999	-661	PKC	2.5	-1	6.5	-2	1.0	-1	0.386	0	2.631	0	6.811	-1	1653	43	2.0
13512.3	10000	38.9837	94.7992	-661	PKC	2.7	-1	7.7	-1	1.0	-1	0.352	0	2.623	-1	7.447	-1	1746	38	2.0
13512.4	10000	38.9837	94.7984	-661	PKC	2.7	-1	7.9	-1	1.1	0	0.347	0	2.550	-1	7.358	-1	1816	45	2.0
13512.5	10000	38.9837	94.7977	-661	PKC	3.0	0	8.3	-1	1.1	0	0.367	0	2.753	0	7.492	-1	1882	46	2.0
13512.6	10000	38.9837	94.7969	-661	PKC	2.9	-1	8.1	-1	1.1	1	0.332	0	2.549	-1	7.678	-1	1922	59	2.0
13512.7	10000	38.9837	94.7961	-660	PKC	2.9	-1	7.8	-1	1.1	1	0.331	0	2.468	-1	7.445	-1	1975	49	2.0
13512.8	10000	38.9837	94.7954	-661	PKC	3.1	-1	8.8	-1	1.2	1	0.348	0	2.559	-1	7.353	-1	2014	35	2.0
13512.9	10000	38.9837	94.7946	-661	PKC	3.2	0	9.0	0	1.3	1	0.357	0	2.537	-1	7.102	-1	2081	37	2.0
13513.0	10000	38.9837	94.7939	-661	PKC	3.4	0	9.7	0	1.3	1	0.396	0	2.631	-1	6.646	-1	2145	45	2.0
13513.1	10000	38.9837	94.7931	-662	PKC	3.6	0	9.9	0	1.3	1	0.400	0	2.675	-1	6.690	-1	2173	47	2.0
13513.2	10000	38.9837	94.7924	-661	PKC	3.2	0	9.2	0	1.3	1	0.350	0	2.431	-1	6.948	-1	2177	40	2.0
13513.3	10000	38.9837	94.7916	-661	PKC	3.2	0	9.2	0	1.3	1	0.363	0	2.390	-1	6.582	-1	2185	43	2.0
13513.4	10000	38.9838	94.7908	-661	PKC	3.5	0	9.9	0	1.3	1	0.349	0	2.438	-1	6.989	-1	2183	47	2.0
13513.5	10000	38.9837	94.7901	-661	PKC	3.4	0	9.6	0	1.3	1	0.369	0	2.708	0	7.344	-1	2183	50	2.0
13513.6	10000	38.9838	94.7893	-662	PKC	3.3	0	9.3	0	1.3	1	0.354	0	2.745	0	7.753	0	2159	36	2.0
13513.7	10000	38.9838	94.7886	-662	PKC	3.3	0	9.4	0	1.3	1	0.347	0	2.753	0	7.929	0	2131	54	2.0
13513.8	10000	38.9838	94.7878	-661	PKC	3.3	0	9.3	0	1.3	1	0.369	0	2.888	0	7.823	0	2121	54	2.0
13513.9	10000	38.9838	94.7870	-663	PKC	3.3	0	9.3	0	1.3	1	0.390	0	2.927	0	7.510	-1	2120	44	2.0
13514.0	10000	38.9838	94.7863	-662	PKC	3.3	0	9.3	0	1.3	1	0.403	0	3.049	0	7.574	-1	2102	33	2.0
13514.1	10000	38.9838	94.7855	-662	PKC	3.3	0	9.3	0	1.3	1	0.407	0	2.886	-1	7.085	-1	2095	55	2.0
13514.2	10000	38.9838	94.7848	-662	PKC	3.3	0	9.3	0	1.3	1	0.417	0	2.942	-1	7.051	-1	2068	49	2.0
13514.3	10000	38.9838	94.7840	-663	PKC	3.3	0	9.3	0	1.3	1	0.433	0	2.838	-1	6.560	-1	2057	44	2.0
13514.4	10000	38.9838	94.7832	-664	PKC	3.3	0	9.3	0	1.3	1	0.394	0	2.598	-1	6.590	-1	2061	32	2.0
13514.5	10000	38.9838	94.7825	-665	PKC	3.3	0	9.3	0	1.3	1	0.364	0	2.432	-1	6.677	-1	2058	47	2.0
13514.6	10000	38.9838	94.7817	-664	PKC	3.3	0	9.3	0	1.3	1	0.380	0	2.492	-1	6.560	-1	2083	89	2.0
13514.7	10000	38.9838	94.7810	-663	PKC	3.3	0	9.3	0	1.3	1	0.355	0	2.549	-1	6.458	-1	2136	67	2.0
13514.8	10000	38.9838	94.7802	-663	PKC	3.3	0	9.3	0	1.3	1	0.393	0	2.695	-1	6.497	-2	2199	47	2.0
13514.9	10000	38.9838	94.7794	-665	PKC	3.3	0	9.3	0	1.3	1	0.404	0	2.712	-1	6.134	-2	2292	89	2.0
13515.0	10000	38.9838	94.7787	-664	PKC	3.3	0	9.3	0	1.3	1	0.417	0	2.685	-1	6.091	-2	2352	67	2.0
13515.1	10000	38.9838	94.7779	-664	PKC	3.3	0	9.3	0	1.3	1	0.421	0	2.585	-1	6.202	-2	2362	47	2.0
13515.2	10000	38.9838	94.7772	-663	PKC	3.3	0	9.3	0	1.3	1	0.421	0	2.518	-1	5.976	-2	2378	89	2.0

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13515.3	10000	38.9838	94.7764	-664	PKC	4.1	1	9.6	0	1.6	2	0.422	1	2.582	-1	6.122	-2	2364	39	1.9
13515.4	10000	38.9838	94.7756	-664	PKC	4.1	2	9.8	0	1.6	3	0.422	1	2.607	-1	6.173	-2	2343	36	1.9
13515.5	10000	38.9838	94.7749	-663	PLP	3.8	1	9.8	0	1.5	2	0.394	1	2.487	-1	6.304	-2	2291	44	1.9
13515.6	10000	38.9838	94.7741	-662	PLP	3.6	1	9.4	0	1.5	2	0.388	1	2.497	-1	6.442	-2	2223	44	1.9
13515.7	10000	38.9838	94.7734	-663	PLP	3.5	1	9.2	0	1.4	2	0.384	1	2.469	-1	6.429	-2	2201	52	1.9
13515.8	10000	38.9838	94.7726	-662	PLP	3.6	1	9.1	0	1.5	2	0.397	1	2.432	-1	6.125	-2	2197	41	1.9
13515.9	10000	38.9838	94.7719	-661	PLP	3.6	1	9.2	0	1.5	2	0.393	1	2.492	-1	6.341	-2	2206	38	1.9
13516.0	10000	38.9838	94.7711	-659	PLP	3.5	1	9.0	-1	1.4	2	0.388	1	2.458	-1	6.337	-2	2195	48	1.9
13516.1	10000	38.9838	94.7703	-659	PLP	3.4	0	8.9	-1	1.4	1	0.375	1	2.385	-1	6.360	-2	2189	46	1.9
13516.2	10000	38.9838	94.7696	-659	PLP	3.4	1	9.0	-1	1.4	1	0.382	1	2.513	-1	6.578	-1	2182	50	1.9
13516.3	10000	38.9838	94.7688	-656	PLP	3.4	0	9.3	0	1.4	1	0.364	0	2.503	-1	6.873	-1	2178	45	1.9
13516.4	10000	38.9838	94.7681	-655	PLP	3.2	0	9.7	0	1.3	1	0.332	0	2.422	-1	7.291	-1	2153	44	1.9
13516.5	10000	38.9838	94.7673	-655	PLP	3.0	0	9.3	0	1.3	1	0.324	0	2.329	-1	7.179	-1	2125	48	1.9
13516.6	10000	38.9838	94.7665	-654	PLP	2.8	-1	9.2	0	1.3	1	0.303	-1	2.118	-1	6.988	-1	2104	46	1.9
13516.7	10000	38.9839	94.7658	-654	PLP	2.8	-1	9.2	0	1.4	1	0.302	-1	2.060	-1	6.827	-1	2107	50	1.9
13516.8	10000	38.9839	94.7650	-652	PLP	2.7	-1	9.1	0	1.4	1	0.299	-1	1.996	-1	6.669	-1	2098	57	1.9
13516.9	10000	38.9839	94.7643	-651	PLP	2.7	-1	9.1	0	1.4	2	0.294	-1	1.887	-2	6.425	-2	2099	51	1.9
13517.0	10000	38.9839	94.7635	-649	PLP	2.7	-1	8.7	-1	1.4	1	0.307	-1	1.921	-1	6.268	-2	2084	47	1.9
13517.1	10000	38.9839	94.7627	-648	PLP	2.7	-1	8.7	-1	1.4	2	0.311	0	1.905	-2	6.118	-2	2099	40	1.9
13517.2	10000	38.9839	94.7620	-645	PLP	2.8	-1	9.0	-1	1.4	2	0.308	-1	1.933	-1	6.284	-2	2117	48	1.9
13517.3	10000	38.9839	94.7612	-642	PLP	3.1	0	9.3	0	1.5	2	0.328	0	2.082	-1	6.347	-2	2132	58	1.9
13517.4	10000	38.9839	94.7605	-641	PLP	3.2	0	9.4	0	1.5	2	0.337	0	2.138	-1	6.341	-2	2147	40	1.9
13517.5	10000	38.9839	94.7597	-639	PLP	3.2	0	9.5	0	1.5	2	0.340	0	2.188	-1	6.433	-2	2158	41	1.9
13517.6	10000	38.9839	94.7589	-635	PLP	3.5	1	9.2	0	1.4	2	0.375	1	2.391	-1	6.371	-2	2163	44	1.9
13517.7	10000	38.9839	94.7582	-632	PLP	3.7	1	9.4	0	1.5	2	0.395	1	2.427	-1	6.136	-2	2190	44	1.9
13517.8	10000	38.9839	94.7574	-630	PLP	3.9	1	9.3	0	1.5	2	0.421	1	2.577	-1	6.126	-2	2177	51	1.9
13517.9	10000	38.9839	94.7567	-628	PLP	4.0	1	8.9	0	1.5	2	0.452	1	2.709	-1	5.988	-2	2172	51	1.9
13518.0	10000	38.9839	94.7559	-624	PLP	3.8	1	8.8	0	1.4	2	0.462	1	2.646	-1	5.732	-2	2139	39	1.9
13518.1	10000	38.9839	94.7551	-620	PLP	3.9	1	8.8	0	1.4	2	0.484	1	2.806	-1	5.793	-2	2109	48	1.9
13518.2	10000	38.9839	94.7544	-618	PLP	4.0	1	8.9	0	1.5	2	0.501	1	2.934	-1	5.858	-2	2086	47	1.9
13518.3	10000	38.9839	94.7536	-617	PLP	3.8	1	8.8	0	1.4	2	0.492	1	2.927	-1	5.943	-2	2069	37	1.9
13518.4	10000	38.9839	94.7529	-614	PLP	3.7	1	8.7	0	1.4	2	0.483	1	2.854	-1	5.903	-2	2048	43	1.9
13518.5	10000	38.9839	94.7521	-612	PLP	3.7	1	8.7	0	1.4	2	0.492	1	2.932	-1	5.958	-2	2040	52	1.9
13518.6	10000	38.9839	94.7513	-611	PLP	3.6	1	8.8	0	1.4	2	0.506	1	2.892	-1	5.715	-2	2049	62	1.9
13518.7	10000	38.9839	94.7506	-608	PLP	3.4	1	8.8	0	1.3	2	0.535	1	2.172	-1	5.927	-2	2047	40	1.9
13518.8	10000	38.9839	94.7498	-604	PLP	3.4	1	8.8	0	1.3	2	0.499	1	3.002	-1	6.010	-2	2050	42	1.9
13518.9	10000	38.9839	94.7491	-599	PLP	3.4	1	8.8	0	1.3	2	0.488	1	3.149	-1	6.453	-2	2037	46	1.9
13519.0	10000	38.9839	94.7483	-594	PLP	3.4	1	8.8	0	1.3	2	0.467	1	2.977	-1	6.378	-2	2030	36	1.9
13519.1	10000	38.9839	94.7475	-592	PLP	3.4	1	8.8	0	1.3	2	0.431	1	2.826	-1	6.562	-1	2012	52	1.9
13519.2	10000	38.9839	94.7468	-592	PKC	3.4	1	8.8	0	1.3	2	0.429	1	2.780	-1	6.480	-2	1986	46	1.9
13519.3	10000	38.9839	94.7460	-595	PKC	3.4	1	8.8	0	1.3	2	0.426	1	2.719	-1	6.379	-2	1948	53	1.9
13519.4	10000	38.9839	94.7453	-595	PKC	3.4	1	8.8	0	1.3	2	0.425	1	2.681	-1	6.772	-1	1933	49	1.9
13519.5	10000	38.9839	94.7445	-596	PKC	3.4	1	8.8	0	1.3	2	0.467	1	2.084	-1	6.602	-1	1897	46	1.9
13519.6	10000	38.9839	94.7437	-595	PKC	3.4	1	8.8	0	1.3	2	0.445	1	2.691	-2	6.054	-2	1869	44	1.9
13519.7	10000	38.9840	94.7430	-593	PKC	3.4	1	8.8	0	1.3	2	0.465	1	2.829	-2	6.079	-2	1829	30	1.9
13519.8	10000	38.9839	94.7422	-589	PKC	3.4	1	8.8	0	1.3	2	0.531	1	2.526	-2	5.887	-2	1802	53	1.9
13519.9	10000	38.9840	94.7415	-587	PKC	3.4	1	8.8	0	1.3	2	0.581	1	2.529	-2	6.078	-2	1780	35	1.9
13520.0	10000	38.9840	94.7407	-584	PKC	3.4	1	8.8	0	1.3	2	0.580	1	2.527	-2	6.594	-2	1762	32	1.9
13520.1	10000	38.9840	94.7399	-582	PKC	3.4	1	8.8	0	1.3	2	0.563	1	2.602	-2	6.396	-2	1743	55	1.9
13520.2	10000	38.9840	94.7392	-581	PKC	3.4	1	8.8	0	1.3	2	0.554	1	2.376	-2	6.090	-2	1747	45	1.9
13520.3	10000	38.9840	94.7384	-580	PKC	3.4	1	8.8	0	1.3	2	0.526	1	2.449	-2	6.554	-1	1751	43	1.9
13520.4	10000	38.9840	94.7377	-577	PKC	3.4	1	8.8	0	1.3	2	0.519	1	2.279	-2	6.321	-2	1765	48	1.9

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13520.5	10000	38.9840	94.7369	-576	PKC	3.4	0	6.6	-2	1.0	-1	0.516	2	3.322	0	6.442	-1	1774	55	2.0
13520.6	10000	38.9840	94.7361	-574	PKC	2.9	-1	6.6	-2	1.1	0	0.438	1	2.697	0	6.162	-2	1785	31	2.0
13520.7	10000	38.9840	94.7354	-572	PLP	2.6	-1	6.8	-3	1.1	0	0.381	1	2.385	-1	6.253	-2	1797	44	2.1
13520.8	10000	38.9840	94.7346	-571	PLP	2.7	-1	6.7	-3	1.1	0	0.402	1	2.404	-1	5.977	-2	1810	33	2.1
13520.9	10000	38.9840	94.7339	-570	PLP	2.8	-1	7.5	-2	1.1	0	0.373	1	2.449	-1	6.575	-1	1817	50	2.1
13521.0	10000	38.9840	94.7331	-568	PLP	2.8	-1	7.3	-2	1.1	0	0.388	1	2.497	-1	6.442	-2	1830	47	2.1
13521.1	10000	38.9840	94.7323	-568	PLP	2.7	-1	7.5	-2	1.1	0	0.362	0	2.419	-1	6.692	-1	1841	39	2.1
13521.2	10000	38.9840	94.7316	-568	PLP	2.7	-1	7.5	-2	1.1	0	0.358	0	2.356	-1	6.574	-1	1843	41	2.1
13521.3	10000	38.9840	94.7308	-569	PLP	2.8	-1	7.2	-2	1.1	0	0.394	1	2.587	0	6.564	-1	1819	61	2.1
13521.4	10000	38.9840	94.7301	-568	PLP	2.9	-1	7.0	-3	1.1	0	0.409	1	2.665	0	6.514	-2	1799	56	2.1
13521.5	10000	38.9840	94.7293	-564	PLP	2.9	-1	7.2	-2	1.1	-1	0.399	1	2.718	0	6.810	-1	1786	54	2.1
13521.6	10000	38.9840	94.7285	-561	PLP	2.7	-1	6.7	-3	1.1	-1	0.397	1	2.520	-1	6.350	-2	1764	48	2.1
13521.7	10000	38.9840	94.7278	-559	PLP	2.9	-1	6.5	-3	1.1	-1	0.440	2	2.704	0	6.139	-2	1733	40	2.2
13521.8	10000	38.9840	94.7270	-557	PLP	3.0	0	6.2	-3	1.0	-1	0.489	3	2.903	0	5.937	-2	1707	37	2.2
13521.9	10000	38.9840	94.7263	-555	PLP	3.0	-1	6.0	-3	1.0	-1	0.491	3	2.960	0	6.028	-2	1689	55	2.2
13522.0	10000	38.9840	94.7255	-552	PLP	3.3	0	6.2	-3	1.0	-1	0.523	3	3.219	1	6.154	-2	1712	50	2.2
13522.1	10000	38.9840	94.7247	-547	PLP	3.3	0	6.5	-3	1.0	-1	0.509	3	3.163	1	6.217	-2	1740	53	2.2
13522.2	10000	38.9840	94.7240	-543	PLP	3.4	0	6.6	-3	1.1	0	0.508	3	3.134	0	6.168	-2	1799	48	2.2
13522.3	10000	38.9840	94.7232	-547	PLP	3.5	1	7.2	-2	1.1	0	0.488	3	3.137	0	6.424	-2	1872	47	2.2
13522.4	10000	38.9840	94.7225	-553	QAL	3.3	0	8.0	-1	1.2	0	0.416	1	2.847	0	6.846	0	1962	42	2.2
13522.5	10000	38.9840	94.7217	-554	QAL	3.7	1	8.7	0	1.3	0	0.422	1	2.921	1	6.920	0	2051	52	2.3
13522.6	10000	38.9840	94.7209	-553	QAL	3.7	1	9.4	0	1.3	0	0.395	1	2.874	1	7.278	0	2124	46	2.3
13522.7	10000	38.9840	94.7202	-551	QAL	3.5	1	10.2	1	1.4	0	0.341	0	2.560	0	7.516	0	2190	27	2.3
13522.8	10000	38.9840	94.7194	-547	QAL	3.6	1	10.4	1	1.4	1	0.350	0	2.585	0	7.395	0	2249	46	2.3
13522.9	10000	38.9840	94.7187	-548	QAL	3.4	1	10.7	1	1.4	1	0.321	0	2.429	0	7.561	0	2255	51	2.3
13523.0	10000	38.9840	94.7179	-546	QAL	3.3	0	10.5	1	1.4	1	0.316	0	2.393	0	7.569	0	2249	42	2.3
13523.1	10000	38.9840	94.7172	-544	QAL	3.4	1	9.8	0	1.4	1	0.350	0	2.512	0	7.179	0	2232	47	2.3
13523.2	10000	38.9840	94.7164	-542	QAL	3.2	0	9.3	0	1.4	1	0.327	0	2.352	0	7.194	0	2226	48	2.3
13523.3	10000	38.9840	94.7156	-541	QAL	3.0	0	8.7	0	1.4	1	0.304	0	2.188	0	7.189	0	2231	48	2.4
13523.4	10000	38.9840	94.7149	-539	QAL	3.0	0	8.5	0	1.3	1	0.315	0	2.233	0	7.090	0	2221	51	2.4
13523.5	10000	38.9841	94.7141	-539	QAL	2.9	0	8.1	0	1.3	1	0.325	0	2.164	-1	6.657	-1	2201	51	2.4
13523.6	10000	38.9841	94.7134	-537	QAL	2.7	0	7.8	0	1.3	1	0.304	0	1.996	-1	6.569	-1	2206	42	2.4
13523.7	10000	38.9841	94.7126	-536	PLP	2.8	0	8.0	0	1.3	1	0.315	0	2.070	-1	6.565	-1	2203	46	2.4
13523.8	10000	38.9841	94.7118	-535	PLP	2.8	0	8.0	0	1.3	1	0.315	0	2.294	-1	7.291	-1	2218	52	2.4
13523.9	10000	38.9841	94.7111	-533	PLP	2.8	0	8.2	0	1.3	1	0.343	0	2.462	-1	7.169	-1	2207	44	2.4
13524.0	10000	38.9841	94.7103	-531	PLP	2.9	0	8.5	0	1.3	1	0.396	0	2.677	-1	6.763	-1	2204	48	2.4
13524.1	10000	38.9841	94.7096	-530	PLP	2.9	0	8.2	0	1.3	1	0.387	0	2.387	-1	6.166	-2	2209	43	2.4
13524.2	10000	38.9841	94.7088	-529	PLP	2.9	0	8.2	0	1.3	1	0.382	0	2.364	-1	6.185	-2	2212	46	2.4
13524.3	10000	38.9841	94.7080	-529	PLP	3.0	0	8.5	0	1.3	1	0.445	0	2.616	-1	5.878	-2	2184	62	2.5
13524.4	10000	38.9841	94.7073	-530	PLP	3.0	0	8.4	0	1.3	1	0.427	0	2.526	-1	5.914	-2	2167	53	2.5
13524.5	10000	38.9841	94.7065	-531	PLP	2.9	0	8.2	0	1.3	1	0.432	0	2.368	-1	5.477	-2	2139	57	2.5
13524.6	10000	38.9841	94.7058	-530	PLP	2.9	0	8.2	0	1.3	1	0.382	0	2.129	-1	5.581	-2	2144	39	2.5
13524.7	10000	38.9841	94.7050	-529	PLP	2.7	0	7.9	0	1.3	1	0.347	0	1.946	-1	5.606	-2	2155	50	2.5
13524.8	10000	38.9841	94.7042	-527	PLP	2.7	0	7.8	0	1.3	1	0.319	-2	1.892	-1	5.939	-2	2169	35	2.5
13524.9	10000	38.9841	94.7035	-525	PLP	2.7	0	8.1	0	1.3	1	0.330	0	1.932	-1	6.359	-2	2179	45	2.5
13525.0	10000	38.9841	94.7028	-523	PLP	2.8	0	8.1	0	1.3	1	0.338	0	2.013	-1	6.536	-1	2207	52	2.5
13525.1	10000	38.9841	94.7020	-521	PLP	2.9	0	8.4	0	1.3	1	0.340	0	2.240	-1	6.636	-2	2245	53	2.5
13525.2	10000	38.9841	94.7013	-521	PLP	2.9	0	8.4	0	1.3	1	0.343	0	2.215	-1	6.510	-2	2268	53	2.5
13525.3	10000	38.9841	94.7005	-517	PLP	2.9	0	8.4	0	1.3	1	0.345	0	2.310	-1	6.742	-1	2266	54	2.5
13525.4	10000	38.9841	94.6998	-517	PLP	2.9	0	8.4	0	1.3	1	0.365	0	2.384	-1	6.560	-2	2260	46	2.5
13525.5	10000	38.9842	94.6991	-517	PLP	2.9	0	8.4	0	1.3	1	0.385	0	2.496	-1	6.490	-2	2243	30	2.5
13525.6	10000	38.9842	94.6983	-517	PLP	3.0	0	8.5	0	1.3	1	0.407	1	2.670	0	6.553	-1	2240	45	2.6

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13525.7	10000	38.9842	94.6976	-517	PKC	3.4	0	9.1	0	1.4	1	0.378	0	2.522	-1	6.674	-1	2209	49	2.6
13525.8	10000	38.9842	94.6968	-516	PKC	3.4	0	8.7	-1	1.4	1	0.394	0	2.457	-1	6.238	-2	2163	58	2.6
13525.9	10000	38.9842	94.6961	-515	PKC	3.3	0	8.4	-1	1.4	1	0.394	0	2.408	-1	6.109	-2	2106	39	2.6
13526.0	10000	38.9842	94.6954	-512	PKC	3.5	0	7.6	-1	1.3	1	0.454	1	2.657	0	5.845	-2	2056	40	2.6
13526.1	10000	38.9842	94.6946	-506	PKC	3.6	0	7.7	-1	1.2	0	0.462	1	2.948	0	6.385	-2	2013	38	2.6
13526.2	10000	38.9842	94.6939	-507	PKC	3.5	0	7.2	-2	1.2	0	0.484	2	2.971	0	6.138	-2	1972	47	2.6
13526.3	10000	38.9842	94.6931	-511	PKC	3.2	0	7.2	-2	1.2	0	0.447	1	2.760	0	6.176	-2	1933	44	2.6
13526.4	10000	38.9842	94.6924	-511	PKC	3.1	0	7.0	-2	1.2	0	0.445	1	2.602	-1	5.844	-2	1920	55	2.7
13526.5	10000	38.9842	94.6917	-511	PLP	3.0	0	7.2	-2	1.1	0	0.423	2	2.648	0	6.263	-2	1914	37	2.7
13526.6	10000	38.9843	94.6909	-513	PLP	3.0	0	7.3	-2	1.2	0	0.416	1	2.599	0	6.255	-2	1940	43	2.7
13526.7	10000	38.9843	94.6902	-515	PLP	2.7	-1	7.7	-2	1.2	0	0.355	0	2.247	-1	6.331	-2	1955	43	2.7
13526.8	10000	38.9843	94.6894	-517	CULTRL	2.6	999	7.4	999	1.2	999	0.356	999	2.165	999	6.084	999	1951	43	2.7
13526.9	10000	38.9843	94.6887	-518	CULTRL	2.6	999	7.7	999	1.2	999	0.337	999	2.197	999	6.512	999	1938	49	2.7
13527.0	10000	38.9843	94.6880	-516	CULTRL	2.7	999	7.2	999	1.1	999	0.369	999	2.315	999	6.269	999	1909	47	2.7
13527.1	10000	38.9843	94.6872	-517	CULTRL	2.7	999	7.3	999	1.1	999	0.365	999	2.360	999	6.460	999	1904	44	2.7
13527.2	10000	38.9843	94.6865	-517	CULTRL	2.6	999	6.7	999	1.2	999	0.393	999	2.204	999	5.614	999	1908	37	2.7
13527.3	10000	38.9843	94.6857	-518	CULTRL	2.6	999	6.7	999	1.2	999	0.390	999	2.198	999	5.636	999	1899	45	2.7
13527.4	10000	38.9843	94.6850	-519	CULTRL	2.6	999	6.6	999	1.2	999	0.393	999	2.223	999	5.654	999	1897	36	2.7
13527.5	10000	38.9843	94.6843	-519	CULTRL	2.5	999	6.9	999	1.2	999	0.366	999	2.192	999	5.984	999	1918	48	2.7
13527.6	10000	38.9843	94.6835	-519	CULTRL	2.9	999	6.2	999	1.1	999	0.460	999	2.493	999	5.422	999	1933	48	2.7
13527.7	10000	38.9844	94.6828	-519	CULTRL	2.7	999	6.4	999	1.2	999	0.426	999	2.337	999	5.482	999	1973	48	2.7
13527.8	10000	38.9844	94.6820	-520	CULTRL	2.7	999	6.7	999	1.2	999	0.411	999	2.320	999	5.642	999	1984	48	2.7
13527.9	10000	38.9844	94.6813	-521	CULTRL	2.7	999	7.4	999	1.1	999	0.361	999	2.352	999	6.521	999	1974	51	2.7
13528.0	10000	38.9844	94.6806	-519	CULTRL	2.9	999	7.3	999	1.1	999	0.393	999	2.592	999	6.603	999	1981	60	2.7
13528.1	10000	38.9844	94.6798	-519	CULTRL	2.9	999	7.8	999	1.1	999	0.370	999	2.632	999	7.107	999	1996	34	2.8
13528.2	10000	38.9844	94.6791	-519	CULTRL	2.8	999	7.3	999	1.1	999	0.390	999	2.641	999	6.778	999	1969	54	2.8
13528.3	10000	38.9844	94.6783	-520	CULTRL	2.6	999	7.6	999	1.0	999	0.345	999	2.515	999	7.291	999	1949	46	2.8
13528.4	10000	38.9844	94.6776	-520	CULTRL	2.7	999	7.5	999	1.0	999	0.367	999	2.818	999	7.677	999	1922	31	2.8
13528.5	10000	38.9844	94.6769	-518	CULTRL	2.6	999	6.8	999	0.9	999	0.378	999	2.749	999	7.272	999	1896	52	2.8
13528.6	10000	38.9844	94.6761	-517	CULTRL	2.7	999	6.4	999	0.9	999	0.423	999	2.953	999	6.977	999	1869	44	2.8
13528.7	10000	38.9844	94.6754	-518	CULTRL	2.7	999	6.1	999	0.9	999	0.451	999	3.157	999	7.000	999	1818	50	2.8
13528.8	10000	38.9845	94.6746	-518	CULTRL	2.9	999	5.1	999	0.9	999	0.578	999	3.394	999	5.869	999	1726	35	2.8
13528.9	10000	38.9845	94.6739	-517	CULTRL	2.8	999	4.9	999	0.9	999	0.561	999	3.195	999	5.695	999	1671	43	2.8
13529.0	10000	38.9845	94.6732	-511	CULTRL	3.0	999	4.5	999	0.8	999	0.666	999	3.594	999	5.398	999	1627	40	2.8
13529.1	10000	38.9845	94.6724	-499	CULTRL	3.0	999	3.9	999	0.8	999	0.758	999	3.578	999	4.719	999	1578	48	2.8
13529.2	10000	38.9845	94.6717	-491	CULTRL	3.1	999	3.6	999	0.8	999	0.868	999	4.085	999	4.708	999	1533	51	2.8
13529.3	10000	38.9845	94.6709	-492	CULTRL	3.1	999	3.6	999	0.7	999	0.845	999	4.145	999	4.906	999	1501	38	2.8
13529.4	10000	38.9845	94.6702	-500	CULTRL	2.8	999	3.7	999	0.7	999	0.746	999	3.778	999	5.065	999	1489	42	2.8
13529.5	10000	38.9845	94.6695	-502	CULTRL	2.5	999	3.8	999	0.8	999	0.673	999	3.381	999	5.027	999	1516	48	2.8
13529.6	10000	38.9845	94.6687	-493	CULTRL	2.6	999	3.9	999	0.8	999	0.662	999	3.440	999	5.196	999	1521	50	2.8
13529.7	10000	38.9845	94.6680	-483	CULTRL	2.4	999	4.3	999	0.7	999	0.554	999	3.211	999	5.796	999	1543	46	2.8
13529.8	10000	38.9845	94.6672	-482	CULTRL	2.3	999	4.9	999	0.8	999	0.475	999	2.911	999	6.133	999	1577	46	2.8
13529.9	10000	38.9845	94.6665	-483	CULTRL	2.4	999	5.5	999	0.8	999	0.442	999	2.847	999	6.442	999	1628	59	2.9
13530.0	10000	38.9846	94.6658	-482	CULTRL	2.4	999	5.8	999	0.9	999	0.418	999	2.810	999	6.725	999	1662	41	2.9
13530.1	10000	38.9846	94.6650	-481	CULTRL	2.4	999	6.0	999	0.9	999	0.400	999	2.726	999	6.817	999	1711	44	2.9
13530.2	10000	38.9846	94.6643	-482	CULTRL	2.6	999	6.3	999	0.9	999	0.412	999	2.805	999	6.801	999	1765	42	2.9
13530.3	10000	38.9846	94.6635	-480	CULTRL	2.7	999	6.6	999	0.9	999	0.409	999	2.948	999	7.211	999	1825	50	2.9
13530.4	10000	38.9846	94.6628	-475	CULTRL	2.7	999	6.8	999	1.0	999	0.399	999	2.824	999	7.077	999	1879	40	2.9
13530.5	10000	38.9846	94.6621	-471	CULTRL	2.6	999	6.7	999	0.9	999	0.387	999	2.884	999	7.460	999	1903	53	2.9
13530.6	10000	38.9846	94.6613	-465	CULTRL	2.7	999	6.8	999	0.9	999	0.405	999	3.089	999	7.635	999	1932	37	2.9
13530.7	10000	38.9846	94.6606	-462	CULTRL	2.8	999	6.9	999	0.9	999	0.410	999	2.985	999	7.278	999	1977	41	2.9
13530.8	10000	38.9846	94.6598	-456	CULTRL	2.9	999	6.9	999	1.0	999	0.424	999	2.978	999	7.020	999	1986	41	2.9

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13530.9	10000	38.9846	94.6591	-453	CULTRL	2.8	999	6.8	999	0.9	999	0.407	999	2.950	999	7.244	999	1966	45	2.9
13531.0	10000	38.9846	94.6584	-449	CULTRL	2.6	999	7.3	999	1.0	999	0.358	999	2.541	999	7.096	999	1977	42	2.9
13531.1	10000	38.9846	94.6576	-444	CULTRL	2.7	999	6.9	999	1.1	999	0.391	999	2.522	999	6.455	999	1972	49	2.9
13531.2	10000	38.9847	94.6569	-441	CULTRL	3.0	999	6.9	999	1.1	999	0.429	999	2.823	999	6.584	999	1968	43	2.9
13531.3	10000	38.9847	94.6561	-439	CULTRL	3.1	999	6.5	999	1.1	999	0.470	999	2.927	999	6.225	999	1972	42	2.9
13531.4	10000	38.9847	94.6554	-434	CULTRL	3.0	999	6.4	999	1.0	999	0.462	999	2.917	999	6.312	999	1967	41	2.9
13531.5	10000	38.9847	94.6547	-429	CULTRL	3.2	999	6.4	999	1.0	999	0.506	999	3.224	999	6.376	999	1972	48	2.9
13531.6	10000	38.9847	94.6539	-426	CULTRL	3.1	999	6.6	999	1.0	999	0.467	999	3.172	999	6.797	999	1988	38	2.9
13531.7	10000	38.9847	94.6532	-420	CULTRL	3.0	999	6.3	999	0.9	999	0.468	999	3.153	999	6.738	999	1996	47	2.9
13531.8	10000	38.9847	94.6524	-415	CULTRL	2.9	999	6.7	999	0.9	999	0.428	999	3.167	999	7.398	999	1985	39	2.9
13531.9	10000	38.9847	94.6517	-412	CULTRL	2.7	999	6.6	999	1.0	999	0.409	999	2.805	999	6.851	999	1997	50	2.9
13532.0	10000	38.9847	94.6510	-407	CULTRL	2.6	999	7.0	999	1.0	999	0.372	999	2.671	999	7.186	999	1988	49	2.9
13532.1	10000	38.9847	94.6502	-402	CULTRL	2.7	999	7.0	999	1.0	999	0.394	999	2.696	999	6.850	999	1995	46	2.9
13532.2	10000	38.9847	94.6495	-400	CULTRL	2.4	999	7.2	999	1.0	999	0.336	999	2.424	999	7.211	999	1975	39	2.9
13532.3	10000	38.9848	94.6487	-395	CULTRL	2.6	999	7.3	999	1.0	999	0.355	999	2.551	999	7.182	999	1975	57	2.9
13532.4	10000	38.9848	94.6480	-389	CULTRL	2.9	999	7.0	999	1.0	999	0.405	999	2.805	999	6.925	999	1951	42	2.9
13532.5	10000	38.9848	94.6472	-387	CULTRL	3.0	999	6.8	999	1.0	999	0.433	999	2.921	999	6.739	999	1963	43	3.0
13532.6	10000	38.9848	94.6465	-381	CULTRL	2.9	999	6.5	999	1.0	999	0.453	999	2.903	999	6.410	999	1943	45	3.0
13532.7	10000	38.9848	94.6458	-376	CULTRL	2.9	999	6.2	999	1.0	999	0.466	999	2.867	999	6.156	999	1936	49	3.0
13532.8	10000	38.9848	94.6450	-373	CULTRL	2.8	999	6.1	999	1.0	999	0.467	999	2.872	999	6.153	999	1927	56	3.0
13532.9	10000	38.9848	94.6443	-369	CULTRL	2.9	999	6.0	999	1.0	999	0.482	999	2.992	999	6.207	999	1949	44	3.0
13533.0	10000	38.9848	94.6436	-365	CULTRL	2.7	999	5.8	999	1.0	999	0.472	999	2.782	999	5.894	999	1958	51	3.0
13533.1	10000	38.9848	94.6428	-363	CULTRL	2.7	999	5.5	999	1.0	999	0.492	999	2.681	999	5.448	999	1979	44	3.0
13533.2	10000	38.9848	94.6421	-358	CULTRL	2.5	999	5.5	999	1.1	999	0.454	999	2.392	999	5.272	999	1991	63	3.0
13533.3	10000	38.9848	94.6413	-352	CULTRL	2.6	999	5.9	999	1.1	999	0.447	999	2.504	999	5.601	999	2020	44	3.0
13533.4	10000	38.9849	94.6406	-350	CULTRL	2.4	999	6.5	999	1.1	999	0.375	999	2.213	999	5.900	999	2036	35	3.0
13533.5	10000	38.9849	94.6398	-346	CULTRL	2.5	999	6.5	999	1.1	999	0.380	999	2.265	999	5.967	999	2031	54	3.0
13533.6	10000	38.9849	94.6391	-346	CULTRL	2.1	999	6.0	999	1.1	999	0.346	999	1.917	999	5.538	999	2046	47	3.0
13533.7	10000	38.9849	94.6384	-346	CULTRL	2.5	999	6.0	999	1.1	999	0.410	999	2.289	999	5.578	999	2050	38	3.0
13533.8	10000	38.9849	94.6376	-343	CULTRL	2.6	999	6.4	999	1.0	999	0.409	999	2.515	999	6.143	999	2054	50	3.0
13533.9	10000	38.9849	94.6369	-339	CULTRL	2.7	999	6.8	999	1.0	999	0.399	999	2.740	999	6.862	999	2070	39	3.0
13534.0	10000	38.9849	94.6362	-338	CULTRL	2.6	999	6.9	999	1.0	999	0.374	999	2.578	999	6.900	999	2090	41	3.0
13534.1	10000	38.9849	94.6354	-335	CULTRL	2.8	999	7.0	999	1.0	999	0.401	999	2.757	999	6.884	999	2118	52	3.0
13534.2	10000	38.9849	94.6347	-334	CULTRL	3.1	999	7.2	999	1.1	999	0.435	999	2.959	999	6.797	999	2151	63	3.0
13534.3	10000	38.9849	94.6339	-333	CULTRL	3.2	999	7.4	999	1.1	999	0.424	999	2.821	999	6.645	999	2142	45	3.0
13534.4	10000	38.9849	94.6332	-330	CULTRL	2.9	999	7.3	999	1.1	999	0.403	999	2.662	999	6.605	999	2153	50	3.0
13534.5	10000	38.9849	94.6324	-329	CULTRL	3.1	999	7.7	999	1.1	999	0.401	999	2.791	999	6.961	999	2165	68	3.0
13534.6	10000	38.9850	94.6317	-327	CULTRL	3.0	999	7.1	999	1.1	999	0.426	999	2.832	999	6.654	999	2155	45	3.0
13534.7	10000	38.9850	94.6310	-324	CULTRL	3.7	999	7.3	999	1.0	999	0.504	999	3.569	999	7.084	999	2160	47	3.0
13534.8	10000	38.9850	94.6302	-324	CULTRL	3.4	999	6.8	999	1.0	999	0.494	999	3.303	999	6.688	999	2178	49	3.0
13534.9	11000	38.9850	94.6295	-322	CULTRL	3.3	999	7.0	999	1.1	999	0.478	999	3.092	999	6.474	999	2196	48	3.0
13535.0	11000	38.9850	94.6288	-319	CULTRL	3.7	999	7.2	999	1.1	999	0.516	999	3.467	999	6.721	999	2220	48	3.0
13535.1	11000	38.9850	94.6280	-315	CULTRL	3.6	999	7.2	999	1.1	999	0.500	999	3.296	999	6.592	999	2236	51	3.0
13535.2	11000	38.9849	94.6273	-312	CULTRL	3.5	999	6.8	999	1.2	999	0.517	999	2.977	999	5.757	999	2238	32	3.0
13535.3	11000	38.9849	94.6266	-311	CULTRL	3.1	999	7.0	999	1.3	999	0.437	999	2.457	999	5.620	999	2243	54	3.0
13535.4	11000	38.9849	94.6258	-310	CULTRL	2.4	999	7.1	999	1.3	999	0.344	999	1.824	999	5.298	999	2246	47	3.0
13535.5	11000	38.9849	94.6251	-308	CULTRL	2.4	999	6.8	999	1.3	999	0.359	999	1.870	999	5.210	999	2202	52	3.1
13535.6	11000	38.9849	94.6244	-304	CULTRL	2.4	999	7.4	999	1.2	999	0.319	999	1.899	999	5.952	999	2198	55	3.1
13535.7	11000	38.9848	94.6237	-303	CULTRL	2.3	999	7.1	999	1.2	999	0.328	999	1.935	999	5.892	999	2188	44	3.1
13535.8	11000	38.9848	94.6229	-299	CULTRL	2.8	999	7.2	999	1.1	999	0.393	999	2.552	999	6.486	999	2188	50	3.1
13535.9	11000	38.9848	94.6222	-295	CULTRL	2.6	999	7.7	999	1.0	999	0.338	999	2.480	999	7.326	999	2200	46	3.1
13536.0	11000	38.9848	94.6215	-293	CULTRL	3.0	999	7.4	999	1.0	999	0.405	999	2.912	999	7.190	999	2226	50	3.1

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13536.1	11000	38.9847	94.6208	-291	CULTRL	3.6	999	6.9	999	1.0	999	0.521	999	3.684	999	7.072	999	2215	47	3.1
13536.2	11000	38.9847	94.6200	-287	CULTRL	3.9	999	7.2	999	1.0	999	0.544	999	4.110	999	7.557	999	2217	52	3.1
13536.3	11000	38.9847	94.6193	-286	CULTRL	3.4	999	6.7	999	1.0	999	0.506	999	3.466	999	6.852	999	2218	50	3.1
13536.4	11000	38.9847	94.6186	-283	CULTRL	3.5	999	7.0	999	1.0	999	0.498	999	3.553	999	7.128	999	2217	45	3.1
13536.5	11000	38.9847	94.6178	-279	CULTRL	2.9	999	6.8	999	1.1	999	0.428	999	2.674	999	6.244	999	2201	53	3.1
13536.6	11000	38.9846	94.6171	-277	CULTRL	3.1	999	6.6	999	1.1	999	0.477	999	2.817	999	5.911	999	2194	51	3.1
13536.7	11000	38.9846	94.6164	-274	CULTRL	3.7	999	6.3	999	1.1	999	0.583	999	3.376	999	5.766	999	2169	49	3.1
13536.8	11000	38.9846	94.6157	-270	CULTRL	3.1	999	6.4	999	1.1	999	0.491	999	2.856	999	5.813	999	2181	38	3.1
13536.9	11000	38.9846	94.6149	-268	CULTRL	2.9	999	6.1	999	1.1	999	0.475	999	2.746	999	5.787	999	2177	48	3.1
13537.0	11000	38.9846	94.6142	-267	CULTRL	3.3	999	5.9	999	1.0	999	0.556	999	3.306	999	5.948	999	2156	51	3.1
13537.1	11000	38.9845	94.6135	-264	CULTRL	3.7	999	6.0	999	0.9	999	0.626	999	3.978	999	6.355	999	2168	36	3.1
13537.2	11000	38.9845	94.6127	-262	CULTRL	3.6	999	6.3	999	0.9	999	0.562	999	3.972	999	7.066	999	2192	45	3.1
13537.3	11000	38.9845	94.6120	-262	CULTRL	4.0	999	6.1	999	0.8	999	0.653	999	4.784	999	7.325	999	2195	42	3.1
13537.4	11000	38.9845	94.6113	-260	CULTRL	3.4	999	6.4	999	0.8	999	0.527	999	4.240	999	8.051	999	2203	50	3.1
13537.5	11000	38.9844	94.6106	-257	CULTRL	3.9	999	6.7	999	0.8	999	0.579	999	4.634	999	8.004	999	2212	50	3.1
13537.6	11000	38.9844	94.6098	-255	CULTRL	4.0	999	6.3	999	0.9	999	0.631	999	4.364	999	6.913	999	2216	61	3.1
13537.7	11000	38.9844	94.6091	-255	CULTRL	4.2	999	5.8	999	0.9	999	0.719	999	4.678	999	6.502	999	2223	56	3.1
13537.8	11000	38.9844	94.6084	-252	CULTRL	3.6	999	4.9	999	1.0	999	0.739	999	3.681	999	4.980	999	2230	46	3.1
13537.9	11000	38.9843	94.6077	-250	CULTRL	4.2	999	4.8	999	1.0	999	0.878	999	4.352	999	4.958	999	2232	42	3.1
13538.0	11000	38.9843	94.6069	-250	CULTRL	3.5	999	5.7	999	1.0	999	0.619	999	3.396	999	5.484	999	2242	47	3.1
13538.1	11000	38.9843	94.6062	-252	CULTRL	3.3	999	5.8	999	1.1	999	0.569	999	2.915	999	5.125	999	2252	43	3.1
13538.2	11000	38.9843	94.6055	-254	CULTRL	3.1	999	5.4	999	1.1	999	0.576	999	2.715	999	4.717	999	2245	46	3.1
13538.3	11000	38.9842	94.6048	-256	CULTRL	3.1	999	6.3	999	1.2	999	0.502	999	2.691	999	5.361	999	2274	52	3.1
13538.4	11000	38.9842	94.6040	-258	CULTRL	2.8	999	6.6	999	1.2	999	0.427	999	2.415	999	5.662	999	2272	39	3.2
13538.5	11000	38.9842	94.6033	-260	CULTRL	2.5	999	7.0	999	1.1	999	0.355	999	2.205	999	6.207	999	2253	48	3.2
13538.6	11000	38.9842	94.6026	-260	CULTRL	2.6	999	6.9	999	1.2	999	0.367	999	2.098	999	5.715	999	2248	45	3.2
13538.7	11000	38.9842	94.6018	-261	CULTRL	2.6	999	5.9	999	1.2	999	0.431	999	2.149	999	4.988	999	2246	47	3.2
13538.8	11000	38.9841	94.6011	-263	CULTRL	3.0	999	5.9	999	1.2	999	0.511	999	2.582	999	5.050	999	2237	44	3.2
13538.9	11000	38.9841	94.6004	-267	CULTRL	2.8	999	6.0	999	1.1	999	0.470	999	2.613	999	5.557	999	2237	32	3.2
13539.0	11000	38.9841	94.5997	-268	CULTRL	2.9	999	6.1	999	1.0	999	0.466	999	2.810	999	6.026	999	2216	56	3.2
13539.1	11000	38.9841	94.5989	-270	CULTRL	3.0	999	6.2	999	1.0	999	0.495	999	2.956	999	5.977	999	2212	50	3.2
13539.2	11000	38.9841	94.5982	-271	CULTRL	3.3	999	6.2	999	1.1	999	0.529	999	2.989	999	5.650	999	2211	61	3.2
13539.3	11000	38.9840	94.5975	-273	CULTRL	3.5	999	6.1	999	1.0	999	0.573	999	3.575	999	6.244	999	2223	44	3.2
13539.4	11000	38.9840	94.5968	-274	CULTRL	3.4	999	6.3	999	1.0	999	0.529	999	3.305	999	6.246	999	2198	51	3.2
13539.5	11000	38.9840	94.5960	-274	CULTRL	2.8	999	6.1	999	1.0	999	0.455	999	2.644	999	5.813	999	2162	41	3.2
13539.6	11000	38.9840	94.5953	-272	CULTRL	2.9	999	6.0	999	1.1	999	0.487	999	2.648	999	5.442	999	2136	47	3.2
13539.7	11000	38.9839	94.5946	-271	CULTRL	3.2	999	5.3	999	1.1	999	0.600	999	2.908	999	4.849	999	2117	43	3.2
13539.8	11000	38.9839	94.5938	-271	CULTRL	2.9	999	5.2	999	1.1	999	0.554	999	2.659	999	4.801	999	2110	54	3.2
13539.9	11000	38.9839	94.5931	-271	CULTRL	2.7	999	5.4	999	1.1	999	0.503	999	2.513	999	4.997	999	2117	35	3.2
13540.0	11010	38.9839	94.5924	-272	CULTRL	2.0	999	5.4	999	1.1	999	0.000	999	0.000	999	4.982	999	2091	42	3.2
13540.1	11000	38.9839	94.5917	-273	CULTRL	2.5	999	5.6	999	1.0	999	0.453	999	2.424	999	5.348	999	2112	43	3.2
13540.2	11000	38.9838	94.5909	-275	CULTRL	3.0	999	5.7	999	1.0	999	0.520	999	3.119	999	5.995	999	2159	54	3.2
13540.3	11000	38.9838	94.5902	-275	CULTRL	2.5	999	6.0	999	1.0	999	0.417	999	2.563	999	6.145	999	2196	50	3.2
13540.4	11000	38.9838	94.5895	-275	CULTRL	2.5	999	5.9	999	1.0	999	0.417	999	2.599	999	6.240	999	2220	52	3.2
13540.5	11000	38.9838	94.5887	-273	CULTRL	3.1	999	6.1	999	0.9	999	0.508	999	3.407	999	6.709	999	2239	41	3.2
13540.6	11000	38.9837	94.5880	-271	CULTRL	3.1	999	6.2	999	0.8	999	0.502	999	3.967	999	7.896	999	2248	43	3.2
13540.7	11000	38.9837	94.5873	-269	CULTRL	3.2	999	6.3	999	0.8	999	0.506	999	3.969	999	7.844	999	2276	52	3.2
13540.8	11000	38.9837	94.5866	-269	CULTRL	3.1	999	6.3	999	0.8	999	0.486	999	3.905	999	8.027	999	2287	53	3.2
13540.9	11000	38.9837	94.5858	-268	CULTRL	3.5	999	6.8	999	0.8	999	0.519	999	4.208	999	8.109	999	2307	38	3.2
13541.0	11000	38.9837	94.5851	-266	CULTRL	3.4	999	7.6	999	0.8	999	0.450	999	4.476	999	9.954	999	2324	43	3.2
13541.1	11000	38.9836	94.5844	-264	CULTRL	2.8	999	7.9	999	0.9	999	0.363	999	3.301	999	9.101	999	2346	39	3.2
13541.2	11000	38.9836	94.5837	-261	CULTRL	2.9	999	7.4	999	0.9	999	0.391	999	3.163	999	8.096	999	2350	39	3.2

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13541.3	11000	38.9836	94.5829	-258	CULTRL	2.9	999	7.6	999	1.0	999	0.384	999	2.911	999	7.573	999	2336	45	3.2
13541.4	11000	38.9836	94.5822	-255	CULTRL	3.5	999	7.6	999	1.0	999	0.466	999	3.433	999	7.374	999	2338	50	3.2
13541.5	11000	38.9835	94.5815	-252	CULTRL	3.3	999	7.3	999	1.0	999	0.448	999	3.257	999	7.274	999	2309	40	3.2
13541.6	11000	38.9835	94.5807	-248	CULTRL	3.5	999	7.0	999	0.9	999	0.496	999	3.816	999	7.693	999	2308	51	3.2
13541.7	11000	38.9835	94.5800	-245	CULTRL	4.1	999	6.3	999	0.9	999	0.645	999	4.600	999	7.132	999	2292	54	3.2
13541.8	11000	38.9835	94.5793	-240	CULTRL	4.5	999	6.7	999	0.9	999	0.667	999	5.192	999	7.785	999	2285	42	3.2
13541.9	11000	38.9834	94.5786	-237	CULTRL	3.9	999	7.0	999	0.8	999	0.557	999	4.656	999	8.358	999	2281	59	3.2
13542.0	11000	38.9834	94.5778	-236	CULTRL	4.0	999	6.3	999	0.8	999	0.643	999	5.055	999	7.857	999	2292	43	3.2
13542.1	11000	38.9834	94.5771	-234	CULTRL	4.1	999	6.1	999	0.8	999	0.673	999	5.285	999	7.855	999	2288	51	3.2
13542.2	11000	38.9834	94.5764	-231	CULTRL	4.2	999	5.7	999	0.8	999	0.735	999	4.981	999	6.778	999	2323	61	3.2
13542.3	11000	38.9834	94.5757	-228	CULTRL	3.6	999	5.7	999	1.0	999	0.626	999	3.576	999	5.711	999	2313	58	3.2
13542.4	11000	38.9833	94.5749	-227	CULTRL	3.4	999	5.6	999	1.1	999	0.605	999	3.081	999	5.091	999	2323	50	3.2
13542.5	11000	38.9833	94.5742	-225	CULTRL	3.9	999	5.3	999	1.0	999	0.731	999	3.731	999	5.106	999	2338	47	3.2
13542.6	11000	38.9833	94.5735	-224	CULTRL	3.6	999	5.1	999	1.1	999	0.707	999	3.340	999	4.725	999	2338	40	3.2
13542.7	11000	38.9833	94.5728	-221	CULTRL	3.8	999	5.9	999	1.2	999	0.643	999	3.286	999	5.107	999	2356	48	3.2
13542.8	11000	38.9832	94.5720	-218	CULTRL	3.0	999	5.9	999	1.2	999	0.508	999	2.413	999	4.748	999	2363	39	3.2
13542.9	11000	38.9832	94.5713	-217	CULTRL	2.9	999	5.9	999	1.3	999	0.487	999	2.203	999	4.520	999	2348	49	3.2
13543.0	11000	38.9832	94.5706	-216	CULTRL	3.0	999	5.9	999	1.2	999	0.507	999	2.401	999	4.735	999	2317	52	3.2
13543.1	11000	38.9832	94.5698	-214	CULTRL	3.3	999	5.9	999	1.2	999	0.568	999	2.905	999	5.119	999	2301	54	3.2
13543.2	11000	38.9832	94.5691	-212	CULTRL	2.5	999	5.9	999	1.2	999	0.422	999	2.117	999	5.015	999	2300	34	3.2
13543.3	11000	38.9831	94.5684	-209	CULTRL	3.2	999	5.7	999	1.1	999	0.566	999	2.959	999	5.228	999	2306	50	3.2
13543.4	11000	38.9831	94.5677	-206	CULTRL	3.0	999	5.4	999	1.1	999	0.566	999	2.879	999	5.090	999	2299	47	3.2
13543.5	11000	38.9831	94.5669	-203	CULTRL	3.7	999	5.3	999	1.0	999	0.686	999	3.673	999	5.354	999	2299	50	3.2
13543.6	11000	38.9831	94.5662	-200	CULTRL	3.5	999	5.8	999	0.9	999	0.607	999	3.855	999	6.349	999	2314	43	3.2
13543.7	11000	38.9830	94.5655	-198	CULTRL	3.7	999	5.8	999	0.9	999	0.633	999	4.125	999	6.515	999	2331	50	3.2
13543.8	11000	38.9830	94.5647	-198	CULTRL	3.2	999	5.6	999	0.9	999	0.575	999	3.616	999	6.292	999	2338	39	3.2
13543.9	11000	38.9830	94.5640	-196	CULTRL	3.4	999	5.6	999	0.9	999	0.619	999	3.722	999	6.017	999	2340	56	3.2
13544.0	11000	38.9830	94.5633	-194	CULTRL	3.1	999	6.2	999	0.9	999	0.505	999	3.447	999	6.822	999	2334	52	3.2
13544.1	11000	38.9830	94.5626	-193	CULTRL	3.8	999	5.5	999	0.9	999	0.684	999	4.121	999	6.026	999	2331	57	3.2
13544.2	11000	38.9829	94.5618	-192	CULTRL	3.9	999	5.1	999	0.9	999	0.772	999	4.492	999	5.821	999	2333	50	3.2
13544.3	11000	38.9829	94.5611	-191	CULTRL	4.3	999	4.9	999	0.9	999	0.891	999	5.071	999	5.690	999	2340	47	3.2
13544.4	11000	38.9829	94.5604	-190	CULTRL	4.7	999	5.5	999	0.9	999	0.857	999	5.383	999	6.279	999	2375	61	3.2
13544.5	11000	38.9829	94.5597	-189	CULTRL	5.1	999	5.3	999	0.9	999	0.955	999	5.923	999	6.204	999	2406	64	3.2
13544.6	11000	38.9828	94.5589	-187	CULTRL	4.9	999	5.2	999	0.8	999	0.951	999	5.824	999	6.123	999	2379	51	3.2
13544.7	11000	38.9828	94.5581	-185	CULTRL	5.0	999	5.0	999	1.0	999	1.002	999	5.143	999	5.134	999	2400	45	3.2
13544.8	11000	38.9828	94.5572	-184	CULTRL	4.4	999	5.3	999	0.9	999	0.830	999	4.724	999	5.693	999	2425	40	3.2
13544.9	11000	38.9828	94.5564	-182	CULTRL	4.3	999	6.0	999	1.0	999	0.707	999	4.304	999	6.084	999	2425	55	3.2
13545.0	11000	38.9828	94.5555	-180	CULTRL	3.8	999	5.8	999	0.9	999	0.653	999	4.233	999	6.478	999	2424	52	3.2
13545.1	11000	38.9828	94.5547	-181	CULTRL	3.2	999	4.5	999	0.9	999	0.707	999	3.499	999	4.952	999	2454	47	3.2
13545.2	11000	38.9829	94.5539	-181	CULTRL	3.1	999	4.9	999	1.0	999	0.644	999	3.110	999	4.831	999	2495	39	3.2
13545.3	11000	38.9829	94.5530	-181	CULTRL	3.4	999	4.6	999	1.0	999	0.739	999	3.380	999	4.575	999	2567	54	3.2
13545.4	11000	38.9829	94.5522	-181	CULTRL	3.5	999	4.6	999	1.0	999	0.772	999	3.704	999	4.796	999	2638	43	3.2
13545.5	11000	38.9829	94.5513	-180	CULTRL	3.4	999	5.0	999	1.0	999	0.688	999	3.516	999	5.109	999	2680	52	3.2
13545.6	11010	38.9829	94.5505	-179	CULTRL	3.2	999	5.4	999	1.0	999	0.000	999	0.000	999	5.149	999	2757	56	3.2
13545.7	11000	38.9829	94.5496	-180	CULTRL	3.8	999	5.2	999	1.2	999	0.736	999	3.169	999	4.305	999	2806	51	3.2
13545.8	11000	38.9829	94.5488	-180	CULTRL	3.8	999	6.2	999	1.3	999	0.614	999	2.869	999	4.670	999	2818	40	3.2
13545.9	11010	38.9829	94.5479	-182	PP	3.3	0	6.3	-2	1.2	1	0.000	-4	0.000	-4	5.205	-2	2832	48	3.2
13546.0	11010	38.9829	94.5471	-184	PP	3.3	0	7.3	-1	1.3	1	0.000	-4	0.000	-4	5.444	-2	2871	53	3.2
13546.1	11010	38.9829	94.5462	-187	PP	3.0	-1	7.4	-1	1.4	2	0.000	-4	0.000	-4	5.113	-2	2875	46	3.2
13546.2	11010	38.9829	94.5454	-190	PP	3.3	0	7.8	-1	1.5	2	0.000	-4	0.000	-4	5.168	-2	2914	44	3.2
13546.3	11010	38.9829	94.5446	-195	PP	3.1	0	7.6	-1	1.6	3	0.000	-4	0.000	-4	4.760	-3	2919	44	3.2
13546.4	11010	38.9829	94.5437	-200	PP	2.7	-1	8.2	-1	1.6	3	0.000	-4	0.000	-4	4.977	-3	2947	50	3.2

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13546.5	11010	38.9829	94.5429	-203	PP	3.1	0	7.6	-1	1.7	3	0.000	-4	0.000	-4	4.600	-3	2948	45	3.2
13546.6	11010	38.9829	94.5420	-205	PP	3.2	0	7.6	-1	1.8	4	0.000	-4	0.000	-4	4.260	-3	2925	45	3.2
13546.7	11010	38.9829	94.5412	-205	PP	3.2	0	7.4	-1	1.6	3	0.000	-4	0.000	-4	4.729	-3	2889	47	3.2
13546.8	11010	38.9829	94.5403	-203	PP	3.2	0	8.3	-1	1.6	3	0.000	-4	0.000	-4	5.299	-2	2881	46	3.2
13546.9	11010	38.9829	94.5395	-198	PP	2.9	-1	7.8	-1	1.4	2	0.000	-4	0.000	-4	5.442	-2	2835	40	3.2
13547.0	11010	38.9829	94.5387	-192	PP	2.6	-1	7.6	-1	1.4	1	0.000	-4	0.000	-4	5.658	-2	2775	44	3.2
13547.1	11010	38.9829	94.5378	-186	PP	3.2	0	7.6	-1	1.3	1	0.000	-4	0.000	-4	6.076	-2	2695	43	3.2
13547.2	11010	38.9829	94.5370	-180	PP	2.9	-1	7.7	-1	1.1	0	0.000	-4	0.000	-4	6.938	-1	2634	50	3.2
13547.3	11010	38.9829	94.5361	-175	PP	3.0	-1	8.0	-1	1.0	-1	0.000	-4	0.000	-4	7.740	0	2563	53	3.2
13547.4	11010	38.9829	94.5353	-169	PP	2.5	-2	8.4	-1	1.1	0	0.000	-4	0.000	-4	7.708	0	2512	51	3.2
13547.5	11010	38.9829	94.5344	-166	PP	2.7	-1	7.5	-1	1.0	-1	0.000	-4	0.000	-4	7.675	0	2441	40	3.2
13547.6	11000	38.9829	94.5336	-162	PP	2.8	-1	7.8	-1	0.9	-1	0.358	0	3.009	0	8.402	0	2391	58	3.2
13547.7	11000	38.9829	94.5327	-157	PP	3.6	1	7.5	-1	0.9	-1	0.482	1	4.117	2	8.538	0	2369	57	3.2
13547.8	11000	38.9829	94.5319	-154	PP	3.2	0	7.4	-1	0.9	-1	0.435	1	3.500	1	8.045	0	2372	41	3.2
13547.9	11000	38.9829	94.5310	-151	PP	2.9	-1	8.0	-1	1.0	-1	0.368	0	2.862	0	7.780	0	2402	46	3.2
13548.0	11000	38.9829	94.5302	-147	PP	2.6	-1	8.0	-1	1.1	0	0.329	0	2.425	-1	7.369	-1	2425	57	3.2
13548.1	11000	38.9829	94.5293	-144	PP	3.3	0	7.4	-1	1.1	0	0.446	1	2.936	0	6.584	-1	2439	57	3.2
13548.2	11000	38.9829	94.5285	-141	PP	3.4	0	7.8	-1	1.2	1	0.438	1	2.797	0	6.380	-1	2499	45	3.2
13548.3	11000	38.9829	94.5277	-137	PKC	3.8	1	7.6	-1	1.3	1	0.502	2	2.948	0	5.872	-2	2565	34	3.2
13548.4	11000	38.9829	94.5268	-134	PKC	3.7	1	8.2	-1	1.4	1	0.452	1	2.676	0	5.925	-2	2643	34	3.1
13548.5	11000	38.9829	94.5260	-130	PKC	3.5	0	8.3	-1	1.4	1	0.422	1	2.563	-1	6.075	-2	2653	48	3.1
13548.6	11000	38.9829	94.5251	-127	PKC	3.9	1	7.7	-1	1.3	1	0.499	2	2.856	0	5.724	-2	2656	43	3.1
13548.7	11000	38.9829	94.5243	-123	PKC	4.0	1	7.4	-2	1.4	1	0.537	2	2.885	0	5.375	-2	2636	45	3.1
13548.8	11000	38.9829	94.5234	-121	PKC	3.7	1	7.2	-2	1.3	1	0.506	2	2.887	0	5.700	-2	2618	45	3.1
13548.9	11000	38.9829	94.5226	-119	PKC	3.2	0	6.7	-2	1.3	1	0.475	1	2.542	-1	5.346	-2	2573	50	3.1
13549.0	11000	38.9829	94.5217	-116	PKC	3.3	0	6.5	-2	1.2	1	0.498	2	2.657	0	5.335	-2	2517	55	3.1
13549.1	11000	38.9829	94.5209	-114	PKC	3.0	-1	6.5	-2	1.1	0	0.461	1	2.606	-1	5.658	-2	2467	51	3.1
13549.2	11000	38.9829	94.5201	-113	PKC	3.1	0	6.5	-2	1.1	0	0.470	1	2.839	0	6.035	-2	2456	45	3.1
13549.3	11000	38.9829	94.5192	-110	PKC	3.3	0	6.7	-2	1.0	0	0.463	1	2.181	0	6.869	-1	2445	38	3.1
13549.4	11000	38.9829	94.5184	-107	PKC	3.6	1	7.0	-2	0.9	0	0.514	1	2.832	0	7.455	-1	2473	38	3.1
13549.5	11000	38.9829	94.5175	-104	PKC	3.2	0	7.0	-2	1.0	0	0.435	1	2.310	0	7.614	-1	2495	45	3.1
13549.6	11000	38.9829	94.5167	-103	PKC	3.5	1	7.4	-2	0.9	0	0.388	1	2.277	0	8.453	0	2491	54	3.1
13549.7	11000	38.9829	94.5158	-101	PKC	3.3	0	8.0	-2	0.8	0	0.394	1	2.908	0	8.930	1	2480	53	3.1
13549.8	11000	38.9829	94.5150	-98	PKC	3.3	0	8.8	-2	0.9	0	0.400	1	2.971	1	9.915	1	2449	44	3.1
13549.9	11000	38.9829	94.5141	-97	PKC	3.6	1	8.8	-1	0.9	0	0.451	1	4.227	1	9.377	1	2443	45	3.1
13550.0	11000	38.9829	94.5133	-96	PKC	3.4	1	8.8	-1	0.9	0	0.392	1	3.812	1	9.714	1	2410	47	3.1
13550.1	11000	38.9829	94.5125	-94	PKC	3.3	1	8.4	-1	0.9	0	0.365	1	3.153	0	8.635	1	2401	53	3.1
13550.2	11000	38.9829	94.5116	-93	PKC	3.1	1	8.3	-1	0.9	0	0.455	1	3.828	0	8.420	0	2393	49	3.0
13550.3	11000	38.9829	94.5108	-93	PKC	3.3	1	7.8	-1	1.0	0	0.529	1	4.063	-1	7.679	-1	2392	59	3.0
13550.4	11000	38.9830	94.5099	-92	PKC	3.6	1	7.6	-1	1.0	0	0.473	1	3.750	-1	7.503	-1	2368	52	3.0
13550.5	11000	38.9829	94.5091	-90	PKC	3.2	1	7.7	-1	1.1	0	0.423	1	2.358	-1	7.214	-2	2367	41	3.0
13550.6	11000	38.9830	94.5082	-89	PKC	3.2	1	7.6	-1	1.1	0	0.379	1	2.124	-1	6.499	-1	2360	54	3.0
13550.7	11010	38.9830	94.5074	-87	PKC	3.5	1	7.6	-1	1.1	0	0.327	1	2.000	-1	5.904	-2	2345	48	3.0
13550.8	11000	38.9830	94.5065	-85	PKC	3.7	1	7.8	-1	1.2	0	0.000	-5	0.071	-1	6.267	-2	2333	47	3.0
13550.9	11000	38.9830	94.5057	-83	PKC	3.7	1	7.8	-1	1.2	0	0.330	1	2.087	-1	6.031	-2	2355	59	3.0
13551.0	11000	38.9830	94.5048	-79	PKC	3.8	1	7.9	-1	1.2	0	0.346	1	2.141	-1	6.431	-1	2348	41	3.0
13551.1	11000	38.9830	94.5040	-76	PKC	3.8	1	7.9	-1	1.2	0	0.333	1	2.384	-1	6.519	-1	2366	51	3.0
13551.2	11000	38.9830	94.5032	-73	PKC	3.8	1	7.9	-1	1.2	0	0.366	1	2.598	-1	6.740	-1	2361	47	3.0
13551.3	11000	38.9830	94.5023	-71	PKC	3.8	1	7.9	-2	1.2	0	0.385	1	2.750	-1	6.230	-2	2363	53	3.0
13551.4	11000	38.9830	94.5015	-69	PKC	3.8	1	7.9	-2	1.2	0	0.441	1	2.829	-1	6.970	-1	2371	51	3.0
13551.5	11000	38.9830	94.5006	-67	CULTRL	3.8	1	7.9	-2	1.2	0	0.549	1	2.939	-1	7.608	999	2385	51	3.0
13551.6	11000	38.9830	94.4998	-62	CULTRL	3.3	999	7.3	999	1.0	999	0.518	999	3.422	999	7.530	999	2374	52	2.9
												0.454	999							

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13551.7	11000	38.9830	94.4989	-59	CULTRL	2.8	999	7.4	999	1.1	999	0.380	999	2.659	999	6.995	999	2375	40	2.9
13551.8	11000	38.9830	94.4981	-56	CULTRL	2.9	999	7.6	999	1.1	999	0.380	999	2.663	999	7.008	999	2383	48	2.9
13551.9	11000	38.9830	94.4973	-52	CULTRL	2.7	999	8.1	999	1.0	999	0.335	999	2.578	999	7.702	999	2388	50	2.9
13552.0	11000	38.9829	94.4965	-48	CULTRL	2.4	999	8.3	999	1.1	999	0.294	999	2.294	999	7.811	999	2355	52	2.9
13552.1	11000	38.9829	94.4958	-46	CULTRL	2.2	999	8.4	999	1.2	999	0.266	999	1.788	999	6.711	999	2342	58	2.9
13552.2	11010	38.9829	94.4950	-44	CULTRL	1.9	999	8.2	999	1.3	999	0.000	999	0.000	999	6.417	999	2286	35	2.9
13552.3	10000	38.9829	94.4942	-41	CULTRL	2.0	999	7.9	999	1.3	999	0.248	999	1.484	999	5.971	999	2239	64	2.9
13552.4	10000	38.9829	94.4934	-39	CULTRL	2.3	999	7.4	999	1.2	999	0.311	999	1.858	999	5.985	999	2206	37	2.9
13552.5	10000	38.9829	94.4926	-37	CULTRL	2.2	999	7.3	999	1.3	999	0.303	999	1.729	999	5.700	999	2177	47	2.9
13552.6	10000	38.9829	94.4919	-35	CULTRL	2.0	999	6.7	999	1.3	999	0.306	999	1.567	999	5.118	999	2137	62	2.9
13552.7	10000	38.9829	94.4911	-32	CULTRL	2.1	999	6.9	999	1.3	999	0.308	999	1.580	999	5.124	999	2163	50	2.9
13552.8	10000	38.9829	94.4903	-32	CULTRL	1.9	999	7.0	999	1.3	999	0.275	999	1.445	999	5.249	999	2154	55	2.9
13552.9	10000	38.9829	94.4895	-30	CULTRL	2.0	999	7.0	999	1.4	999	0.288	999	1.403	999	4.870	999	2158	54	2.8
13553.0	10000	38.9828	94.4888	-28	CULTRL	2.0	999	7.2	999	1.4	999	0.281	999	1.453	999	5.162	999	2132	32	2.8
13553.1	10000	38.9828	94.4880	-26	CULTRL	1.8	999	7.1	999	1.4	999	0.257	999	1.260	999	4.894	999	2118	33	2.8
13553.2	10000	38.9828	94.4872	-24	CULTRL	2.0	999	7.0	999	1.4	999	0.282	999	1.382	999	4.908	999	2091	41	2.8
13553.3	10000	38.9828	94.4865	-23	CULTRL	2.2	999	6.8	999	1.4	999	0.322	999	1.596	999	4.952	999	2073	45	2.8
13553.4	10000	38.9828	94.4857	-23	CULTRL	2.3	999	6.8	999	1.3	999	0.333	999	1.698	999	5.093	999	2031	43	2.8
13553.5	10000	38.9828	94.4849	-21	CULTRL	2.3	999	7.0	999	1.3	999	0.324	999	1.779	999	5.494	999	2031	38	2.8
13553.6	10000	38.9828	94.4841	-21	CULTRL	2.4	999	7.0	999	1.3	999	0.346	999	1.912	999	5.528	999	2047	49	2.8
13553.7	10000	38.9828	94.4833	-20	CULTRL	2.3	999	7.0	999	1.3	999	0.333	999	1.723	999	5.182	999	2110	47	2.8
13553.8	10000	38.9827	94.4826	-20	CULTRL	2.3	999	7.3	999	1.3	999	0.315	999	1.739	999	5.520	999	2140	47	2.8
13553.9	10000	38.9827	94.4818	-19	CULTRL	2.3	999	7.6	999	1.4	999	0.297	999	1.626	999	5.481	999	2191	46	2.8
13554.0	10000	38.9827	94.4810	-21	CULTRL	2.3	999	7.9	999	1.5	999	0.297	999	1.598	999	5.382	999	2249	38	2.8
13554.1	10000	38.9827	94.4802	-22	CULTRL	2.5	999	8.4	999	1.5	999	0.296	999	1.701	999	5.748	999	2286	47	2.8
13554.2	10000	38.9827	94.4795	-23	CULTRL	3.0	999	8.1	999	1.5	999	0.370	999	2.008	999	5.428	999	2317	48	2.8
13554.3	10000	38.9827	94.4787	-23	CULTRL	3.1	999	8.4	999	1.4	999	0.375	999	2.189	999	5.836	999	2334	44	2.7
13554.4	10000	38.9827	94.4779	-22	CULTRL	3.2	999	8.6	999	1.3	999	0.378	999	2.482	999	6.573	999	2317	46	2.7
13554.5	10000	38.9827	94.4771	-22	CULTRL	3.5	999	8.4	999	1.3	999	0.414	999	2.656	999	6.416	999	2323	48	2.7
13554.6	10000	38.9827	94.4764	-22	CULTRL	3.5	999	8.5	999	1.2	999	0.414	999	2.846	999	6.879	999	2316	38	2.7
13554.7	10000	38.9827	94.4756	-23	CULTRL	3.3	999	8.8	999	1.3	999	0.370	999	2.602	999	7.035	999	2293	47	2.7
13554.8	10000	38.9826	94.4748	-22	CULTRL	3.3	999	8.9	999	1.2	999	0.374	999	2.737	999	7.318	999	2278	46	2.7
13554.9	10000	38.9826	94.4740	-20	CULTRL	2.9	999	8.7	999	1.1	999	0.340	999	2.596	999	7.625	999	2232	53	2.7
13555.0	10000	38.9826	94.4733	-20	CULTRL	3.0	999	8.5	999	1.1	999	0.354	999	2.643	999	7.468	999	2186	56	2.7
13555.1	10000	38.9826	94.4725	-19	CULTRL	2.9	999	8.5	999	1.2	999	0.343	999	2.517	999	7.339	999	2150	42	2.7
13555.2	10000	38.9826	94.4717	-17	CULTRL	2.7	999	8.8	999	1.1	999	0.307	999	2.431	999	7.919	999	2096	46	2.7
13555.3	10000	38.9826	94.4709	-15	CULTRL	2.7	999	8.3	999	1.1	999	0.320	999	2.445	999	7.651	999	2054	49	2.7
13555.4	10000	38.9826	94.4702	-14	CULTRL	2.9	999	8.4	999	1.1	999	0.344	999	2.714	999	7.885	999	2032	48	2.6
13555.5	10000	38.9826	94.4694	-13	CULTRL	2.6	999	7.6	999	1.1	999	0.344	999	2.365	999	6.876	999	2016	50	2.6
13555.6	10000	38.9826	94.4686	-13	CULTRL	2.7	999	7.5	999	1.2	999	0.359	999	2.295	999	6.397	999	2017	47	2.6
13555.7	10000	38.9826	94.4678	-14	CULTRL	2.7	999	7.5	999	1.2	999	0.355	999	2.275	999	6.417	999	2019	46	2.6
13555.8	10000	38.9825	94.4671	-13	CULTRL	2.6	999	7.4	999	1.2	999	0.356	999	2.245	999	6.299	999	2020	51	2.6
13555.9	10000	38.9825	94.4663	-14	CULTRL	2.9	999	7.0	999	1.2	999	0.421	999	2.398	999	5.696	999	2036	52	2.6
13556.0	10000	38.9825	94.4655	-12	CULTRL	3.1	999	7.0	999	1.3	999	0.442	999	2.440	999	5.519	999	2046	39	2.6
13556.1	10000	38.9825	94.4647	-10	CULTRL	2.8	999	6.4	999	1.3	999	0.439	999	2.182	999	4.971	999	2050	55	2.6
13556.2	10000	38.9825	94.4640	-8	CULTRL	3.0	999	6.7	999	1.3	999	0.457	999	2.427	999	5.315	999	2053	47	2.6
13556.3	10000	38.9825	94.4632	-6	CULTRL	3.1	999	6.8	999	1.1	999	0.456	999	2.713	999	5.955	999	2037	45	2.6
13556.4	10000	38.9825	94.4624	-4	CULTRL	3.1	999	6.6	999	1.1	999	0.471	999	2.722	999	5.783	999	2040	40	2.6
13556.5	10000	38.9825	94.4616	-2	CULTRL	3.3	999	6.4	999	1.2	999	0.513	999	2.696	999	5.251	999	2045	48	2.6
13556.6	10000	38.9824	94.4609	0	CULTRL	3.2	999	6.0	999	1.2	999	0.533	999	2.567	999	4.821	999	2059	40	2.6
13556.7	10000	38.9824	94.4601	1	CULTRL	3.1	999	6.2	999	1.2	999	0.497	999	2.512	999	5.051	999	2092	40	2.5
13556.8	10000	38.9824	94.4593	5	CULTRL	3.6	999	6.6	999	1.3	999	0.542	999	2.863	999	5.279	999	2102	55	2.5

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13556.9	10000	38.9824	94.4585	7	CULTRL	3.5	999	6.2	999	1.4	999	0.555	999	2.547	999	4.593	999	2106	47	2.5
13557.0	10000	38.9824	94.4577	12	CULTRL	3.3	999	6.1	999	1.5	999	0.534	999	2.237	999	4.187	999	2127	44	2.5
13557.1	10000	38.9824	94.4570	17	CULTRL	3.1	999	6.3	999	1.4	999	0.495	999	2.157	999	4.359	999	2105	44	2.5
13557.2	10000	38.9824	94.4562	19	CULTRL	3.1	999	6.2	999	1.4	999	0.501	999	2.243	999	4.477	999	2082	54	2.5
13557.3	10000	38.9824	94.4554	18	CULTRL	3.3	999	6.6	999	1.3	999	0.502	999	2.470	999	4.921	999	2044	57	2.5
13557.4	10000	38.9824	94.4547	20	CULTRL	3.1	999	6.4	999	1.3	999	0.478	999	2.356	999	4.931	999	2010	45	2.5
13557.5	10000	38.9823	94.4539	21	CULTRL	2.8	999	6.6	999	1.3	999	0.419	999	2.178	999	5.200	999	1983	37	2.5
13557.6	10000	38.9823	94.4531	20	CULTRL	2.8	999	6.7	999	1.2	999	0.413	999	2.379	999	5.756	999	1961	50	2.5
13557.7	10000	38.9823	94.4523	18	CULTRL	2.8	999	7.0	999	1.1	999	0.403	999	2.547	999	6.314	999	1963	41	2.4
13557.8	10000	38.9823	94.4516	18	CULTRL	3.2	999	6.9	999	1.1	999	0.458	999	2.939	999	6.424	999	1968	42	2.4
13557.9	10000	38.9823	94.4508	17	CULTRL	3.2	999	7.2	999	1.0	999	0.447	999	3.136	999	7.010	999	1964	60	2.4
13558.0	10000	38.9823	94.4500	15	CULTRL	3.0	999	7.4	999	1.0	999	0.400	999	3.048	999	7.615	999	1983	50	2.4
13558.1	10000	38.9823	94.4492	14	CULTRL	3.1	999	7.9	999	1.0	999	0.390	999	3.182	999	8.150	999	1963	42	2.4
13558.2	10000	38.9823	94.4484	12	CULTRL	2.9	999	7.5	999	0.9	999	0.381	999	3.137	999	8.230	999	1970	53	2.4
13558.3	10000	38.9822	94.4477	9	CULTRL	2.8	999	7.8	999	1.0	999	0.358	999	2.908	999	8.124	999	1982	44	2.4
13558.4	10000	38.9822	94.4469	8	CULTRL	3.0	999	8.1	999	1.0	999	0.371	999	3.077	999	8.296	999	1973	44	2.4
13558.5	10000	38.9822	94.4461	5	CULTRL	2.7	999	8.3	999	1.0	999	0.332	999	2.836	999	8.546	999	1980	47	2.4
13558.6	10000	38.9822	94.4453	2	CULTRL	2.6	999	8.3	999	1.0	999	0.310	999	2.563	999	8.268	999	1990	48	2.4
13558.7	10000	38.9822	94.4446	-1	CULTRL	2.6	999	8.0	999	1.0	999	0.327	999	2.532	999	7.751	999	2004	57	2.4
13558.8	10000	38.9822	94.4438	-5	CULTRL	2.9	999	7.7	999	1.0	999	0.376	999	2.818	999	7.492	999	2038	47	2.4
13558.9	10000	38.9822	94.4430	-8	PKC	3.2	0	7.9	-1	1.1	0	0.402	1	2.954	0	7.351	-1	2058	40	2.4
13559.0	10000	38.9822	94.4422	-10	PKC	3.3	0	7.4	-2	1.1	0	0.448	1	3.051	0	6.809	-1	2067	51	2.4
13559.1	10000	38.9822	94.4415	-12	PKC	3.3	0	7.2	-2	1.1	0	0.462	1	2.928	0	6.332	-2	2113	53	2.4
13559.2	10000	38.9821	94.4407	-16	PKC	3.2	0	7.2	-2	1.2	0	0.452	1	2.714	0	5.999	-2	2132	50	2.3
13559.3	10000	38.9821	94.4399	-19	PKC	3.5	0	7.7	-1	1.2	0	0.449	1	2.926	0	6.523	-1	2159	47	2.3
13559.4	10000	38.9821	94.4391	-22	PKC	3.4	0	8.0	-1	1.2	0	0.430	1	2.797	0	6.511	-1	2180	47	2.3
13559.5	10000	38.9821	94.4384	-24	PKC	3.5	0	8.2	-1	1.3	0	0.429	1	2.720	0	6.339	-2	2202	50	2.3
13559.6	10000	38.9821	94.4376	-24	PKC	3.8	1	8.2	-1	1.3	1	0.457	1	2.893	0	6.330	-2	2213	56	2.3
13559.7	10000	38.9821	94.4368	-25	PKC	3.7	1	8.6	-1	1.3	1	0.429	1	2.813	0	6.553	-1	2234	50	2.3
13559.8	10000	38.9821	94.4360	-27	PKC	3.7	1	8.5	-1	1.3	1	0.434	1	2.935	0	6.766	-1	2202	48	2.3
13559.9	10000	38.9821	94.4353	-27	PKC	4.0	1	8.8	-1	1.2	1	0.451	1	3.291	0	7.290	-1	2193	49	2.3
13560.0	10000	38.9821	94.4345	-29	PKC	3.8	1	8.2	-1	1.2	1	0.471	1	3.217	0	6.833	-1	2189	50	2.3
13560.1	10000	38.9820	94.4337	-31	PKC	4.1	1	8.8	-1	1.2	1	0.480	1	3.519	0	7.324	-1	2179	47	2.3
13560.2	10000	38.9820	94.4329	-31	PKC	4.0	1	8.4	-1	1.1	1	0.497	1	3.548	0	7.132	-1	2166	48	2.3
13560.3	10000	38.9820	94.4322	-31	PKC	3.9	1	8.0	-1	1.2	1	0.495	1	3.384	0	6.842	-1	2178	43	2.3
13560.4	10000	38.9820	94.4314	-33	PKC	3.9	1	8.3	-1	1.2	1	0.472	1	3.405	0	7.222	-1	2176	37	2.3
13560.5	10000	38.9820	94.4306	-39	PKC	4.2	2	8.5	-1	1.2	1	0.511	1	3.387	0	6.626	-1	2216	52	2.3
13560.6	10000	38.9820	94.4298	-54	PKC	4.2	2	8.8	-1	1.2	1	0.554	1	3.414	0	6.160	-2	2230	37	2.3
13560.7	10000	38.9820	94.4291	-69	PP	4.3	2	8.8	-1	1.2	1	0.589	1	3.459	0	5.873	-2	2204	60	2.2
13560.8	10000	38.9820	94.4283	-79	PP	3.7	1	8.5	-2	1.2	1	0.531	1	2.924	0	5.510	-2	2179	54	2.2
13560.9	10000	38.9819	94.4275	-84	PP	3.8	1	8.4	-1	1.2	1	0.509	1	3.026	0	5.947	-2	2167	50	2.2
13561.0	10000	38.9819	94.4267	-80	PP	3.5	1	7.6	-1	1.2	1	0.460	1	2.834	0	6.157	-2	2135	38	2.2
13561.1	10000	38.9819	94.4259	-69	PP	3.4	1	7.0	-2	1.2	1	0.487	1	2.728	0	5.606	-2	2105	48	2.2
13561.2	10000	38.9819	94.4252	-62	PP	3.0	1	7.4	-1	1.2	1	0.405	1	2.407	0	5.939	-2	2057	41	2.2
13561.3	10000	38.9819	94.4244	-60	PP	2.7	1	6.9	-1	1.2	1	0.392	1	2.315	0	5.909	-2	2053	39	2.2
13561.4	10000	38.9819	94.4236	-58	PP	3.0	1	7.9	-1	1.3	1	0.380	1	2.153	0	6.369	-2	2073	43	2.2
13561.5	10000	38.9819	94.4229	-59	PP	3.0	1	8.1	-1	1.3	1	0.370	1	2.315	0	6.264	-2	2097	46	2.2
13561.6	10000	38.9819	94.4221	-59	PP	2.5	1	6.8	-1	1.3	1	0.352	1	2.147	0	6.104	-2	2103	42	2.2
13561.7	10000	38.9819	94.4213	-61	PP	2.5	1	6.4	-1	1.3	1	0.396	1	2.468	0	6.226	-2	2104	43	2.2
13561.8	10000	38.9818	94.4205	-61	PP	2.5	1	6.3	-1	1.3	1	0.410	1	2.699	0	6.582	-1	2137	42	2.2
13561.9	10000	38.9818	94.4198	-63	PP	2.5	1	6.4	-1	1.3	1	0.420	1	2.713	0	6.453	-1	2157	41	2.2
13562.0	10000	38.9818	94.4190	-65	PP	2.3	1	6.1	-1	1.3	1	0.378	1	2.465	0	6.530	-1	2137	45	2.1

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13562.1	10000	38.9818	94.4182	-65	PP	3.6	1	8.8	0	1.4	2	0.405	0	2.531	-1	6.250	-2	2143	47	2.1
13562.2	10000	38.9818	94.4174	-66	PP	3.2	0	9.4	0	1.4	2	0.345	0	2.315	-1	6.712	-1	2153	48	2.1
13562.3	10000	38.9818	94.4166	-68	PP	3.3	0	9.0	0	1.4	1	0.369	0	2.456	-1	6.655	-1	2151	64	2.1
13562.4	10000	38.9818	94.4159	-68	PP	3.0	-1	9.3	0	1.5	2	0.324	-1	2.071	-1	6.393	-1	2170	47	2.1
13562.5	10000	38.9818	94.4151	-68	PP	2.9	-1	9.6	0	1.5	2	0.299	-1	1.931	-2	6.464	-1	2168	42	2.1
13562.6	10000	38.9818	94.4143	-68	PP	3.0	-1	9.9	1	1.5	2	0.299	-1	1.938	-2	6.489	-1	2161	42	2.1
13562.7	10000	38.9817	94.4135	-69	PP	3.0	-1	9.6	0	1.5	2	0.310	-1	1.971	-2	6.362	-1	2184	38	2.1
13562.8	10000	38.9817	94.4128	-71	PP	2.7	-1	9.4	0	1.5	2	0.283	-1	1.785	-2	6.311	-1	2195	51	2.1
13562.9	10000	38.9817	94.4120	-72	PP	2.9	-1	8.7	0	1.5	2	0.338	0	2.016	-1	5.972	-2	2153	47	2.1
13563.0	10000	38.9817	94.4112	-75	PP	2.7	-1	8.8	0	1.4	2	0.311	-1	1.901	-2	6.108	-2	2122	50	2.1
13563.1	10000	38.9817	94.4104	-75	PP	2.9	-1	8.5	0	1.3	1	0.344	0	2.195	-1	6.388	-1	2071	47	2.1
13563.2	10000	38.9817	94.4097	-74	PP	3.0	-1	8.3	-1	1.3	1	0.356	0	2.360	-1	6.631	-1	2034	46	2.1
13563.3	10000	38.9817	94.4089	-73	PP	2.9	-1	8.0	-1	1.2	0	0.365	0	2.440	-1	6.691	-1	2011	36	2.1
13563.4	10000	38.9817	94.4081	-71	PP	3.0	-1	7.9	-1	1.1	0	0.382	0	2.638	-1	6.912	-1	1992	45	2.1
13563.5	10000	38.9817	94.4073	-70	PKC	3.3	0	8.2	-1	1.1	0	0.405	1	2.917	0	7.194	-1	1970	51	2.1
13563.6	10000	38.9816	94.4066	-68	PKC	3.5	0	8.3	-1	1.1	0	0.419	1	3.082	0	7.361	-1	1986	30	2.1
13563.7	10000	38.9816	94.4058	-68	PKC	3.4	0	8.0	-1	1.1	0	0.426	1	3.115	0	7.312	-1	2005	42	2.1
13563.8	10000	38.9816	94.4050	-68	PKC	3.7	1	8.0	-1	1.1	0	0.466	1	3.284	0	7.044	-1	2030	50	2.0
13563.9	10000	38.9816	94.4042	-67	PKC	3.6	1	7.5	-1	1.1	0	0.477	1	3.195	0	6.700	-1	2031	40	2.0
13564.0	10000	38.9816	94.4035	-69	PKC	3.7	1	7.3	-2	1.1	0	0.514	2	3.317	0	6.451	-1	2035	47	2.0
13564.1	10000	38.9816	94.4027	-68	PKC	3.5	0	7.7	-1	1.1	0	0.458	1	3.090	0	6.750	-1	2028	45	2.0
13564.2	10000	38.9816	94.4019	-69	PKC	3.4	0	7.1	-2	1.1	0	0.482	2	3.173	0	6.583	-1	2004	50	2.0
13564.3	10000	38.9816	94.4011	-69	PKC	3.2	0	6.9	-2	1.0	-1	0.468	1	3.102	0	6.630	-1	1975	35	2.0
13564.4	10000	38.9815	94.4004	-69	PKC	3.2	0	6.9	-2	1.0	0	0.463	1	3.023	0	6.530	-1	1938	42	2.0
13564.5	10000	38.9816	94.3996	-69	PKC	2.7	-1	7.2	-2	1.0	0	0.371	0	2.543	-1	6.857	-1	1917	30	2.0
13564.6	10000	38.9815	94.3989	-70	PKC	2.5	-1	7.7	-1	1.1	0	0.327	0	2.234	-1	6.842	-1	1940	42	2.0
13564.7	10000	38.9815	94.3981	-69	PKC	2.4	-1	7.0	-1	1.2	0	0.296	-1	2.026	-1	6.836	-1	1953	41	2.0
13564.8	10000	38.9815	94.3974	-70	PKC	2.6	-1	7.7	-1	1.2	0	0.337	-1	2.199	-1	6.516	-1	1965	36	2.0
13564.9	10000	38.9815	94.3967	-70	PKC	2.6	-1	8.0	-1	1.2	0	0.313	-1	2.047	-1	6.536	-1	2020	35	2.0
13565.0	10000	38.9815	94.3959	-72	PKC	2.7	-1	8.4	-1	1.2	0	0.323	-1	1.977	-2	6.129	-2	2075	43	2.0
13565.1	10000	38.9815	94.3952	-72	PKC	2.7	-1	8.2	-1	1.2	0	0.292	-1	1.876	-2	6.415	-2	2146	45	2.0
13565.2	10000	38.9815	94.3944	-73	PKC	2.8	-1	9.2	-1	1.4	0	0.299	-1	1.849	-2	6.187	-2	2199	50	2.0
13565.3	10000	38.9815	94.3937	-75	PKC	3.0	-1	9.2	-1	1.5	0	0.330	-1	2.041	-2	6.190	-2	2215	35	2.0
13565.4	10000	38.9815	94.3930	-76	PKC	3.1	-1	9.5	-1	1.5	0	0.326	-1	2.123	-2	6.519	-2	2244	39	2.0
13565.5	10000	38.9815	94.3922	-77	PKC	3.2	-1	9.4	-1	1.5	0	0.334	-1	2.106	-2	6.297	-2	2265	46	2.0
13565.6	10000	38.9815	94.3915	-77	PKC	3.3	-1	9.1	-1	1.5	0	0.365	-1	2.265	-2	6.213	-2	2242	38	2.0
13565.7	10000	38.9815	94.3907	-76	PKC	3.2	-1	9.1	-1	1.5	0	0.353	-1	2.381	-1	6.750	-1	2212	44	2.0
13565.8	10000	38.9815	94.3900	-76	PKC	3.4	-1	9.6	-1	1.5	0	0.399	-1	2.591	-1	6.490	-1	2175	45	2.0
13565.9	10000	38.9814	94.3893	-75	PKC	3.9	-1	8.8	-1	1.3	0	0.454	-1	3.152	-1	6.948	-1	2147	33	2.0
13566.0	10000	38.9814	94.3885	-74	PKC	3.8	-1	8.8	-1	1.2	0	0.450	-1	3.303	-1	7.347	-1	2104	55	2.0
13566.1	10000	38.9814	94.3878	-73	PKC	3.9	-1	8.8	-1	1.2	0	0.485	-1	3.372	-1	6.955	-1	2074	50	2.0
13566.2	10000	38.9814	94.3870	-72	PKC	3.9	-1	8.7	-1	1.1	0	0.478	-1	3.540	-1	7.403	-1	2017	34	2.0
13566.3	10000	38.9814	94.3863	-71	PKC	3.7	-1	8.2	-1	1.1	0	0.454	-1	3.498	-1	7.696	-1	1964	51	2.0
13566.4	10000	38.9814	94.3856	-69	PKC	3.8	-1	8.2	-1	1.1	0	0.490	-1	3.710	-1	7.572	-1	1896	58	2.0
13566.5	10000	38.9814	94.3848	-67	PKC	3.5	-1	8.2	-2	1.1	0	0.493	-1	3.745	-1	7.607	-1	1803	52	2.0
13566.6	10000	38.9814	94.3841	-63	PKC	3.5	-1	8.0	-2	1.1	0	0.469	-1	3.255	-1	6.945	-2	1704	30	2.0
13566.7	10000	38.9814	94.3833	-61	PKC	3.4	-1	7.6	-3	1.1	0	0.503	-1	3.084	-1	6.129	-2	1625	41	2.0
13566.8	10000	38.9814	94.3826	-59	PKC	3.2	-1	6.6	-3	1.1	0	0.478	-1	3.004	-1	6.279	-2	1528	36	2.0
13566.9	10000	38.9814	94.3819	-56	PKC	3.0	-1	6.0	-4	1.0	0	0.517	-1	3.055	-1	6.911	-2	1471	35	2.0
13567.0	10000	38.9814	94.3811	-53	PKC	2.7	-1	4.7	-4	1.0	0	0.597	-1	3.042	-1	6.095	-3	1430	43	2.0
13567.1	10000	38.9814	94.3804	-50	PKC	2.5	-2	4.2	-4	1.0	0	0.562	-1	2.572	-1	6.574	-3	1424	41	2.0
13567.2	10000	38.9814	94.3796	-46	PKC	2.3	-2	3.7	-4	0.9	0	0.622	-1	2.634	-1	6.232	-3	1428	33	2.0

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13567.3	10000	38.9814	94.3789	-42	PKC	2.6	-1	3.7	-4	0.8	-2	0.690	4	3.021	0	4.378	-3	1443	43	2.0
13567.4	10000	38.9813	94.3782	-38	PKC	2.7	-1	3.6	-5	0.8	-2	0.736	5	3.256	0	4.424	-3	1462	41	2.0
13567.5	10000	38.9813	94.3774	-34	PKC	2.9	-1	3.6	-5	0.8	-2	0.797	6	3.469	1	4.354	-3	1467	40	2.0
13567.6	10000	38.9813	94.3767	-31	PKC	2.8	-1	3.7	-4	0.9	-1	0.748	5	3.155	0	4.215	-3	1475	47	2.0
13567.7	10000	38.9813	94.3759	-27	PKC	2.6	-1	4.5	-4	0.8	-2	0.568	3	3.032	0	5.338	-2	1502	54	2.0
13567.8	10000	38.9813	94.3752	-22	PKC	2.8	-1	5.0	-3	0.8	-2	0.566	3	3.418	1	6.043	-2	1525	45	2.0
13567.9	10000	38.9813	94.3745	-18	PKC	2.9	-1	5.7	-3	0.8	-2	0.515	2	3.593	1	6.983	-1	1546	56	2.0
13568.0	10000	38.9813	94.3737	-12	PKC	2.9	-1	5.8	-3	0.8	-2	0.493	2	3.544	1	7.188	-1	1580	42	2.0
13568.1	10000	38.9813	94.3730	-8	PKC	3.0	-1	6.0	-3	0.8	-2	0.496	2	3.589	1	7.236	-1	1627	44	2.0
13568.2	10000	38.9813	94.3722	-2	PKC	3.0	0	6.2	-2	0.9	-1	0.486	2	3.276	0	6.741	-1	1695	39	2.0
13568.3	10000	38.9813	94.3715	4	PKC	3.1	0	6.5	-2	0.9	-1	0.469	1	3.262	0	6.951	-1	1752	53	2.0
13568.4	10000	38.9813	94.3708	10	PKC	3.6	1	6.4	-2	1.0	-1	0.573	3	3.634	1	6.342	-2	1809	49	2.0
13568.5	10000	38.9813	94.3700	14	PKC	3.7	1	6.5	-2	1.0	-1	0.567	3	3.576	1	6.311	-2	1857	44	2.0
13568.6	10000	38.9813	94.3693	18	PKC	3.5	0	6.4	-2	1.1	0	0.549	2	3.150	0	5.740	-2	1931	40	2.0
13568.7	10000	38.9813	94.3685	22	PKC	4.3	0	6.7	-2	1.2	0	0.509	2	2.798	0	5.499	-2	1963	39	2.1
13568.8	10000	38.9813	94.3678	23	PKC	4.3	0	7.4	-1	1.3	1	0.441	1	2.594	-1	5.883	-2	1999	39	2.1
13568.9	10000	38.9812	94.3671	27	PKC	4.3	0	7.7	-1	1.3	1	0.431	1	2.654	0	6.156	-2	2026	51	2.1
13569.0	10000	38.9812	94.3663	30	PKC	4.4	0	7.9	-1	1.3	1	0.426	1	2.528	-1	5.927	-2	20.4	54	2.1
13569.1	10000	38.9812	94.3656	34	PKC	4.9	-1	8.3	-1	1.3	1	0.355	0	2.178	-1	6.133	-2	2071	51	2.1
13569.2	10000	38.9812	94.3648	38	PKC	5.0	-1	8.0	-1	1.4	1	0.376	0	2.190	-1	5.820	-2	2082	45	2.1
13569.3	10000	38.9812	94.3641	41	PKC	5.1	0	8.3	-1	1.4	1	0.377	0	2.256	-1	5.992	-2	2096	42	2.1
13569.4	10000	38.9812	94.3634	45	PKC	5.2	0	8.1	-1	1.4	2	0.398	0	2.318	-1	5.823	-2	2112	50	2.1
13569.5	10000	38.9812	94.3626	48	PKC	5.4	0	8.1	-1	1.4	2	0.416	1	2.371	-1	5.703	-2	2128	40	2.1
13569.6	10000	38.9812	94.3619	51	PKC	5.2	0	8.1	-1	1.4	2	0.403	1	2.319	-1	5.757	-2	2139	47	2.1
13569.7	10000	38.9812	94.3611	55	PKC	5.4	0	8.4	-1	1.4	1	0.402	1	2.434	-1	6.050	-2	2161	45	2.1
13569.8	10000	38.9812	94.3604	58	PKC	5.4	0	8.5	-1	1.4	2	0.400	1	2.353	-1	5.885	-2	2178	51	2.1
13569.9	10000	38.9812	94.3596	61	PKC	5.4	0	8.9	0	1.5	2	0.377	0	2.300	-1	6.100	-2	2187	65	2.1
13570.0	10000	38.9812	94.3589	64	PKC	5.4	0	8.8	0	1.4	2	0.390	0	2.444	-1	6.266	-2	2181	39	2.1
13570.1	10000	38.9812	94.3582	66	PKC	5.4	0	9.0	0	1.4	1	0.380	0	2.471	-1	6.510	-1	2202	50	2.1
13570.2	10000	38.9812	94.3574	70	PKC	5.4	0	8.7	-1	1.4	2	0.392	0	2.476	-1	6.312	-2	2195	36	2.1
13570.3	10000	38.9811	94.3567	73	PKC	5.6	0	8.8	0	1.4	2	0.388	0	2.478	-1	6.379	-2	2205	48	2.1
13570.4	10000	38.9811	94.3560	76	PKC	5.3	0	9.0	0	1.4	2	0.367	0	2.339	-1	6.379	-2	2186	49	2.1
13570.5	10000	38.9811	94.3552	79	PKC	5.6	0	9.2	0	1.4	2	0.387	0	2.566	-1	6.627	-1	2189	49	2.1
13570.6	10000	38.9811	94.3545	80	PKC	5.4	0	9.1	0	1.4	2	0.370	0	2.395	-1	6.468	-1	2200	45	2.1
13570.7	10000	38.9811	94.3537	82	PKC	5.3	0	9.4	0	1.5	2	0.351	0	2.219	-1	6.313	-2	2210	52	2.1
13570.8	10000	38.9811	94.3530	83	PKC	5.2	0	9.5	0	1.5	2	0.337	0	2.071	-1	6.153	-2	2218	46	2.1
13570.9	10000	38.9811	94.3522	84	PKC	5.2	0	9.5	0	1.6	2	0.331	0	1.979	-1	5.972	-2	2238	42	2.1
13571.0	10000	38.9811	94.3515	86	PKC	5.1	0	9.4	0	1.6	2	0.325	0	1.910	-2	5.870	-2	2243	43	2.1
13571.1	10000	38.9811	94.3508	87	PKC	5.2	0	9.4	0	1.6	2	0.341	0	1.968	-1	5.775	-2	2249	42	2.1
13571.2	10000	38.9811	94.3500	87	PKC	5.2	0	9.3	0	1.6	2	0.340	0	1.943	-1	5.711	-2	2263	43	2.1
13571.3	10000	38.9811	94.3493	88	PKC	5.3	0	9.4	0	1.6	2	0.353	0	2.031	-1	5.761	-2	2281	52	2.1
13571.4	10000	38.9811	94.3486	88	PKC	5.7	0	9.2	0	1.7	2	0.401	1	2.227	-1	5.554	-2	2333	58	2.1
13571.5	10000	38.9811	94.3478	87	PKC	5.7	0	9.0	0	1.7	2	0.412	1	2.194	-1	5.322	-2	2331	41	2.1
13571.6	10000	38.9811	94.3471	88	PKC	5.5	0	9.3	0	1.6	2	0.375	0	2.143	-1	5.720	-2	2317	38	2.1
13571.7	10000	38.9810	94.3463	87	PKC	5.4	0	9.7	0	1.6	2	0.354	0	2.181	-1	6.169	-2	2303	44	2.1
13571.8	10000	38.9810	94.3456	86	PKC	5.4	0	9.7	0	1.5	2	0.349	0	2.208	-1	6.324	-2	2286	47	2.1
13571.9	10000	38.9810	94.3448	85	PKC	5.4	0	9.5	0	1.5	2	0.401	1	2.337	-1	6.827	-2	2259	38	2.1
13572.0	10000	38.9810	94.3441	83	PKC	5.5	0	9.6	0	1.4	2	0.403	1	2.410	-1	5.977	-2	2229	47	2.1
13572.1	10000	38.9810	94.3434	81	PKC	5.4	0	9.1	0	1.3	2	0.416	1	2.542	-1	6.115	-2	2168	49	2.1
13572.2	10000	38.9810	94.3426	79	PKC	5.4	0	9.7	0	1.2	2	0.414	1	2.743	-1	6.631	-1	2140	47	2.1
13572.3	10000	38.9810	94.3419	77	PP	5.6	0	9.7	0	1.2	2	0.469	1	2.994	0	6.380	-1	2130	40	2.1
13572.4	10000	38.9810	94.3412	74	PP	5.9	1	7.2	-2	1.2	0	0.543	2	3.296	0	6.068	-2	2108	52	2.1

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13572.5	10000	38.9810	94.3404	70	PP	4.2	2	6.5	-2	1.2	0	0.639	3	3.559	1	5.571	-2	2082	52	2.1
13572.6	10000	38.9810	94.3397	67	PP	4.0	1	7.0	-2	1.2	0	0.569	2	3.369	0	5.917	-2	2054	41	2.1
13572.7	10000	38.9810	94.3389	64	PP	3.6	1	6.5	-2	1.1	0	0.561	2	3.207	0	5.721	-2	2003	52	2.1
13572.8	10000	38.9810	94.3382	60	PP	3.2	0	6.3	-2	1.1	0	0.511	1	2.867	0	5.608	-2	1946	47	2.1
13572.9	10000	38.9810	94.3374	57	PP	3.3	0	6.2	-2	1.1	0	0.523	2	3.106	0	5.935	-2	1894	39	2.1
13573.0	10000	38.9810	94.3367	55	PP	3.1	0	5.8	-3	1.0	-1	0.539	2	3.167	0	5.875	-2	1814	37	2.1
13573.1	10000	38.9810	94.3360	52	PP	2.9	-1	5.7	-3	1.0	-1	0.513	2	2.996	0	5.843	-2	1745	37	2.1
13573.2	10000	38.9809	94.3352	49	PP	2.5	-2	5.7	-3	0.9	-1	0.443	1	2.794	0	6.314	-1	1672	51	2.1
13573.3	10000	38.9809	94.3345	46	PP	2.6	-1	5.4	-3	0.8	-2	0.478	1	3.245	0	6.789	-1	1590	50	2.1
13573.4	10000	38.9809	94.3338	44	PP	2.8	-1	5.0	-3	0.7	-3	0.547	2	4.028	1	7.368	-1	1507	46	2.1
13573.5	10000	38.9809	94.3330	42	PP	2.8	-1	4.9	-3	0.6	-3	0.571	2	4.786	2	8.381	0	1408	40	2.1
13573.6	10000	38.9809	94.3323	40	PP	2.6	-1	4.1	-4	0.5	-3	0.644	3	4.881	3	7.575	-1	1311	42	2.1
13573.7	10000	38.9809	94.3315	38	PP	2.4	-2	3.9	-4	0.4	-4	0.610	3	5.725	4	9.384	1	1222	35	2.1
13573.8	10000	38.9809	94.3308	38	PP	2.2	-2	2.9	-5	0.3	-5	0.753	4	7.738	7	10.274	2	1113	35	2.1
13573.9	10000	38.9809	94.3300	37	PP	2.2	-2	2.4	-5	0.2	-5	0.898	6	10.854	11	12.091	3	1016	40	2.1
13574.0	10000	38.9809	94.3293	36	PP	2.0	-3	2.0	-6	0.2	-6	1.003	7	12.529	14	12.497	3	911	33	2.1
13574.1	10100	38.9809	94.3286	35	PP	2.0	-3	1.5	-6	0.1	-6	1.272	10	0.000	-4	0.000	-6	815	44	2.1
13574.2	10100	38.9809	94.3278	35	PP	1.8	-3	1.1	-6	0.1	-6	1.638	14	0.000	-4	0.000	-6	744	49	2.1
13574.3	10100	38.9809	94.3271	35	PP	1.8	-3	1.0	-7	0.0	-6	1.808	16	0.000	-4	0.000	-6	679	54	2.1
13574.4	10101	38.9809	94.3264	34	PP	1.7	-3	0.6	-7	0.0	-6	0.000	-4	0.000	-4	0.000	-6	630	40	2.1
13574.5	10101	38.9809	94.3256	34	PP	1.5	-3	0.5	-7	0.0	-6	0.000	-4	0.000	-4	0.000	-6	596	54	2.1
13574.6	10101	38.9809	94.3249	33	PP	1.6	-3	0.5	-7	0.0	-6	0.000	-4	0.000	-4	0.000	-6	583	42	2.1
13574.7	10101	38.9808	94.3241	33	PP	1.5	-3	0.4	-7	0.0	-6	0.000	-4	0.000	-4	0.000	-6	592	51	2.1
13574.8	10101	38.9808	94.3234	32	PP	1.3	-4	0.7	-7	0.0	-6	0.000	-4	0.000	-4	0.000	-6	615	29	2.1
13574.9	10100	38.9808	94.3226	31	PP	1.3	-4	0.9	-7	0.1	-6	1.439	12	0.000	-4	0.000	-6	631	38	2.1
13575.0	10100	38.9808	94.3219	29	PP	1.2	-4	1.0	-7	0.1	-6	1.177	9	0.000	-4	0.000	-6	643	46	2.1
13575.1	10000	38.9808	94.3212	26	PP	1.2	-4	1.4	-6	0.1	-6	0.828	5	8.989	8	10.853	2	679	34	2.1
13575.2	10000	38.9808	94.3204	25	PP	1.3	-4	1.8	-5	0.2	-5	0.709	4	6.858	5	9.678	1	761	39	2.1
13575.3	10000	38.9808	94.3197	23	PP	1.4	-4	2.5	-5	0.3	-4	0.559	3	4.380	3	7.338	0	901	39	2.1
13575.4	10000	38.9808	94.3190	20	PP	1.8	-3	3.4	-4	0.4	-3	0.538	3	4.089	3	7.594	-1	1054	49	2.1
13575.5	10000	38.9808	94.3182	17	PP	2.4	-2	3.7	-3	0.6	-3	0.630	3	4.090	3	6.494	-1	1210	57	2.1
13575.6	10000	38.9808	94.3175	15	PP	2.8	-1	4.3	-3	0.7	-2	0.656	3	4.039	3	6.161	-2	1389	35	2.1
13575.7	10000	38.9808	94.3167	12	PP	3.4	-1	5.4	-3	0.9	-2	0.619	3	3.941	3	6.367	-1	1574	39	2.1
13575.8	10000	38.9808	94.3160	10	PP	4.4	0	6.7	-2	1.0	-1	0.603	3	3.791	3	6.283	-2	1752	46	2.1
13575.9	10000	38.9808	94.3152	7	PP	5.4	1	8.0	-2	1.3	0	0.540	3	3.333	3	6.178	-2	1894	49	2.1
13576.0	10000	38.9808	94.3145	5	PP	6.4	2	9.5	-1	1.4	1	0.486	2	2.930	2	6.034	-2	1986	41	2.1
13576.1	10000	38.9808	94.3138	3	PP	7.4	3	10.9	-1	1.4	1	0.436	2	2.600	2	5.965	-2	2063	45	2.1
13576.2	10000	38.9807	94.3130	2	PP	8.3	4	12.2	-1	1.4	1	0.383	2	2.361	2	6.165	-2	2123	44	2.1
13576.3	10000	38.9807	94.3123	1	PP	9.1	5	13.4	-1	1.4	1	0.314	2	2.073	2	6.605	-1	2145	52	2.1
13576.4	10000	38.9807	94.3116	0	PP	9.9	5	14.5	0	1.4	1	0.308	2	1.917	2	6.229	-2	2179	44	2.1
13576.5	10000	38.9807	94.3108	-2	PP	10.7	6	15.5	0	1.4	1	0.284	2	1.677	2	5.897	-2	2206	40	2.1
13576.6	10000	38.9807	94.3101	-4	PP	11.4	6	16.5	0	1.5	1	0.290	2	1.778	2	6.133	-2	2222	57	2.1
13576.7	10000	38.9807	94.3093	-6	PP	12.1	7	17.5	0	1.5	1	0.304	2	1.895	2	6.238	-2	2230	39	2.1
13576.8	10000	38.9807	94.3086	-7	PP	12.8	7	18.4	0	1.5	1	0.352	2	1.192	2	6.225	-2	2231	59	2.1
13576.9	10000	38.9807	94.3078	-7	PP	13.4	8	19.3	0	1.5	1	0.346	2	1.116	2	6.112	-2	2229	49	2.1
13577.0	10000	38.9807	94.3071	-9	PP	14.0	8	20.2	0	1.5	1	0.392	2	2.315	2	6.900	-2	2255	62	2.1
13577.1	10000	38.9807	94.3063	-9	PP	14.6	8	21.1	0	1.5	1	0.403	2	2.471	2	6.327	-2	2249	51	2.1
13577.2	10000	38.9807	94.3056	-10	PP	15.2	9	21.9	0	1.5	1	0.413	2	2.742	2	6.857	-1	2236	43	2.1
13577.3	10000	38.9807	94.3048	-10	PP	15.7	9	22.7	0	1.5	1	0.432	2	2.731	2	6.614	-1	2216	32	2.1
13577.4	10000	38.9807	94.3041	-11	PP	16.2	9	23.5	0	1.5	1	0.387	2	2.782	2	6.440	-1	2184	52	2.1
13577.5	10000	38.9807	94.3033	-12	PP	16.7	9	24.2	0	1.5	1	0.430	2	2.529	2	6.530	-1	2152	31	2.1
13577.6	10000	38.9807	94.3026	-12	PP	17.2	10	24.9	0	1.5	1	0.430	2	2.880	2	6.698	-1	2111	40	2.1

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13577.7	10000	38.9807	94.3018	-13	PKC	3.3	0	7.8	-1	1.2	0	0.420	1	2.694	0	6.421	-2	2037	53	2.1
13577.8	10000	38.9807	94.3011	-15	PKC	3.0	-1	7.5	-1	1.2	0	0.395	0	2.454	-1	6.205	-2	1949	36	2.1
13577.9	10000	38.9807	94.3003	-17	PKC	2.8	-1	6.5	-2	1.1	0	0.424	1	2.439	-1	5.760	-2	1828	41	2.1
13578.0	10000	38.9807	94.2996	-19	PKC	2.9	-1	5.6	-3	1.0	-1	0.508	2	2.850	0	5.616	-2	1708	44	2.1
13578.1	10000	38.9807	94.2988	-20	PKC	3.0	-1	5.6	-3	0.9	-1	0.540	2	3.344	1	6.193	-2	1610	51	2.1
13578.2	10000	38.9807	94.2981	-22	PKC	2.9	-1	4.8	-4	0.8	-2	0.596	3	3.571	1	5.992	-2	1515	53	2.1
13578.3	10000	38.9807	94.2973	-24	PKC	2.6	-1	4.2	-4	0.7	-2	0.626	3	3.577	1	5.718	-2	1459	53	2.1
13578.4	10000	38.9807	94.2966	-26	PKC	3.0	-1	4.1	-4	0.7	-3	0.716	5	4.301	2	6.004	-2	1447	56	2.1
13578.5	10000	38.9807	94.2959	-29	PKC	3.3	0	4.2	-4	0.7	-2	0.792	5	4.774	3	6.027	-2	1477	39	2.1
13578.6	10000	38.9807	94.2951	-31	PKC	3.4	0	4.7	-4	0.8	-2	0.735	5	4.481	2	6.095	-2	1554	49	2.1
13578.7	10000	38.9807	94.2944	-34	PKC	3.4	0	5.4	-3	0.9	-2	0.617	3	3.901	1	6.318	-2	1641	35	2.1
13578.8	10000	38.9807	94.2936	-37	PKC	3.3	0	5.7	-3	1.0	-1	0.585	3	3.505	1	5.989	-2	1721	40	2.1
13578.9	10000	38.9807	94.2928	-40	PKC	3.4	0	6.2	-2	1.0	-1	0.549	2	3.293	0	5.999	-2	1803	46	2.1
13579.0	10000	38.9807	94.2921	-43	PKC	3.2	0	6.8	-2	1.1	0	0.474	1	2.977	0	6.276	-2	1865	49	2.1
13579.1	10000	38.9807	94.2914	-46	PKC	3.0	-1	7.2	-2	1.2	0	0.421	1	2.602	-1	6.186	-2	1909	35	2.1
13579.2	10000	38.9807	94.2906	-48	PKC	3.0	0	7.3	-2	1.2	0	0.418	1	2.615	-1	6.260	-2	1939	48	2.1
13579.3	10000	38.9807	94.2899	-52	PKC	3.1	0	7.4	-2	1.1	0	0.414	1	2.717	0	6.564	-1	1955	51	2.1
13579.4	10000	38.9807	94.2891	-54	PKC	2.9	-1	7.5	-1	1.2	0	0.389	0	2.522	-1	6.481	-1	1986	54	2.1
13579.5	10000	38.9807	94.2884	-56	PKC	3.0	-1	7.7	-1	1.2	0	0.387	0	2.558	-1	6.617	-1	2002	51	2.1
13579.6	10000	38.9807	94.2876	-58	PKC	2.9	-1	7.8	-1	1.1	0	0.370	0	2.517	-1	6.796	-1	2002	40	2.1
13579.7	10000	38.9807	94.2869	-60	PKC	2.9	-1	7.7	-1	1.2	0	0.371	0	2.400	-1	6.468	-1	2020	41	2.1
13579.8	10000	38.9807	94.2861	-61	PKC	3.3	0	7.8	-1	1.2	0	0.420	1	2.735	0	6.511	-1	2047	41	2.1
13579.9	10000	38.9807	94.2854	-63	PKC	3.3	0	8.2	-1	1.2	1	0.398	0	2.632	0	6.619	-1	2076	53	2.2
13580.0	10000	38.9807	94.2846	-64	PKC	3.5	0	8.3	-1	1.3	1	0.426	1	2.774	0	6.515	-1	2122	48	2.2
13580.1	10000	38.9807	94.2839	-65	PKC	3.7	1	8.2	-1	1.3	1	0.457	1	2.909	0	6.365	-2	2133	52	2.2
13580.2	10000	38.9807	94.2831	-65	PKC	3.8	1	8.3	-1	1.4	1	0.455	1	2.773	0	6.092	-2	2170	38	2.2
13580.3	10000	38.9807	94.2824	-66	PKC	4.0	1	8.2	-1	1.4	1	0.486	2	2.885	0	5.939	-2	2201	40	2.2
13580.4	10000	38.9807	94.2816	-67	PKC	4.3	2	8.4	-1	1.3	1	0.506	2	3.158	0	6.240	-2	2208	56	2.2
13580.5	10000	38.9807	94.2809	-66	PKC	3.9	1	8.5	-1	1.4	2	0.456	1	2.717	0	5.960	-2	2210	41	2.2
13580.6	10000	38.9807	94.2801	-68	PKC	3.7	1	8.0	-1	1.5	2	0.466	2	2.553	-1	5.478	-2	2208	45	2.2
13580.7	10000	38.9806	94.2794	-69	PKC	3.3	1	7.8	-1	1.5	1	0.421	1	2.234	-1	5.308	-2	2188	52	2.2
13580.8	10000	38.9806	94.2786	-71	PKC	3.3	1	7.7	-1	1.5	1	0.397	1	2.267	-1	5.714	-2	2176	55	2.2
13580.9	10000	38.9806	94.2779	-72	PKC	3.1	1	7.8	-1	1.4	1	0.382	1	2.284	-1	5.978	-2	2123	51	2.2
13581.0	10000	38.9806	94.2771	-72	PKC	3.0	1	7.8	-1	1.4	1	0.381	1	2.228	-1	5.854	-2	2095	47	2.2
13581.1	10000	38.9806	94.2764	-73	PKC	3.1	1	7.7	-2	1.4	1	0.413	1	2.235	-1	5.415	-2	2075	34	2.2
13581.2	10000	38.9806	94.2756	-73	PKC	3.2	1	7.8	-1	1.4	1	0.426	1	2.504	-1	5.871	-2	2053	40	2.2
13581.3	10000	38.9806	94.2749	-76	PKC	3.4	1	8.0	-1	1.3	1	0.403	1	2.462	-1	6.109	-2	2040	40	2.2
13581.4	10000	38.9806	94.2741	-79	PKC	3.5	1	8.0	-1	1.3	1	0.415	1	2.513	-1	6.053	-2	2038	45	2.2
13581.5	10000	38.9806	94.2734	-82	PKC	3.6	1	8.0	-1	1.4	1	0.426	1	2.473	-1	5.804	-2	2058	49	2.3
13581.6	10000	38.9806	94.2726	-84	PKC	3.6	1	8.0	-1	1.4	1	0.450	1	2.635	0	5.853	-2	2085	48	2.3
13581.7	10000	38.9806	94.2719	-85	PKC	3.6	1	8.0	-1	1.4	1	0.440	1	2.696	0	6.130	-2	2095	50	2.3
13581.8	10000	38.9806	94.2711	-84	PKC	3.5	1	8.0	-1	1.4	1	0.385	0	2.660	0	6.905	-1	2094	49	2.3
13581.9	10000	38.9806	94.2704	-81	PKC	3.5	1	8.0	-1	1.4	1	0.405	0	2.726	0	6.739	-1	2098	54	2.3
13582.0	10000	38.9806	94.2696	-76	PKC	3.5	1	8.0	-1	1.4	1	0.395	0	2.829	0	7.164	-1	2097	47	2.3
13582.1	10000	38.9806	94.2689	-76	PKC	3.5	1	8.0	-1	1.4	1	0.402	0	2.800	0	6.966	-1	2088	45	2.3
13582.2	10000	38.9806	94.2681	-82	PKC	3.5	1	8.0	-1	1.4	1	0.378	0	2.687	-1	7.116	-1	2061	43	2.3
13582.3	10000	38.9806	94.2674	-86	PKC	3.5	1	8.0	-1	1.4	1	0.352	0	2.528	-1	7.175	-1	2055	52	2.3
13582.4	10000	38.9806	94.2666	-85	PKC	3.5	1	8.0	-1	1.4	1	0.352	0	2.362	-1	6.712	-1	2034	50	2.3
13582.5	10000	38.9806	94.2659	-86	PKC	3.5	1	8.0	-1	1.4	1	0.332	0	2.101	-1	6.319	-2	2036	44	2.3
13582.6	10000	38.9806	94.2652	-87	PKC	3.5	1	8.0	-1	1.4	1	0.311	0	1.978	-1	6.354	-2	2039	45	2.3
13582.7	10000	38.9806	94.2644	-89	PKC	3.5	1	8.0	-1	1.4	1	0.306	-1	1.927	-2	6.301	-2	2034	52	2.3
13582.8	10000	38.9806	94.2636	-89	PKC	3.5	1	8.0	-1	1.4	1	0.311	-1	2.049	-1	6.597	-1	2036	46	2.3

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13582.9	10000	38.9806	94.2629	-91	PKC	2.7	-1	8.4	-1	1.4	1	0.322	0	2.013	-1	6.246	-2	2068	54	2.3
13583.0	10000	38.9806	94.2621	-92	PKC	2.4	-2	8.2	-1	1.4	1	0.296	-1	1.756	-2	5.926	-2	2084	50	2.4
13583.1	10000	38.9806	94.2614	-94	PKC	2.7	-1	8.9	0	1.4	2	0.306	-1	1.932	-2	6.315	-2	2126	51	2.4
13583.2	10000	38.9806	94.2607	-96	PKC	3.0	-1	9.3	0	1.4	2	0.322	0	2.125	-1	6.603	-1	2153	40	2.4
13583.3	10000	38.9806	94.2599	-97	PKC	2.9	-1	9.4	0	1.4	2	0.313	-1	2.058	-1	6.571	-1	2169	39	2.4
13583.4	10000	38.9806	94.2592	-98	PKC	2.8	-1	9.2	0	1.5	2	0.302	-1	1.876	-2	6.206	-2	2200	37	2.4
13583.5	10000	38.9806	94.2584	-101	PKC	2.8	-1	9.4	0	1.5	2	0.297	-1	1.860	-2	6.257	-2	2224	43	2.4
13583.6	10000	38.9806	94.2577	-103	PKC	2.7	-1	9.5	0	1.5	2	0.281	-1	1.775	-2	6.308	-2	2205	46	2.4
13583.7	10000	38.9806	94.2569	-105	PKC	2.9	-1	9.9	0	1.5	2	0.293	-1	1.936	-2	6.607	-1	2208	38	2.4
13583.8	10000	38.9806	94.2562	-108	PKC	2.7	-1	10.0	1	1.5	2	0.274	-1	1.823	-2	6.652	-1	2212	51	2.4
13583.9	10000	38.9806	94.2554	-113	PKC	2.6	-1	9.3	0	1.5	2	0.284	-1	1.772	-2	6.244	-2	2203	56	2.4
13584.0	10000	38.9806	94.2547	-116	PKC	2.6	-1	9.3	0	1.5	2	0.286	-1	1.801	-2	6.306	-2	2196	56	2.4
13584.1	10000	38.9806	94.2539	-120	PKC	3.0	-1	9.3	0	1.4	1	0.323	0	2.182	-1	6.749	-1	2175	45	2.4
13584.2	10000	38.9806	94.2532	-123	PKC	3.0	0	9.3	0	1.4	1	0.326	0	2.235	-1	6.850	-1	2161	34	2.4
13584.3	10000	38.9806	94.2524	-128	PKC	3.2	0	9.1	0	1.3	1	0.350	0	2.519	-1	7.201	-1	2141	49	2.4
13584.4	10000	38.9806	94.2517	-131	PKC	3.1	0	8.8	0	1.2	1	0.354	0	2.495	-1	7.047	-1	2120	54	2.4
13584.5	10000	38.9806	94.2509	-134	PKC	3.1	0	8.9	0	1.2	1	0.343	0	2.476	-1	7.225	-1	2091	49	2.4
13584.6	10000	38.9806	94.2502	-137	PKC	2.9	-1	8.9	0	1.2	1	0.329	0	2.349	-1	7.143	-1	2079	42	2.4
13584.7	10000	38.9806	94.2494	-140	PKC	2.9	-1	9.1	0	1.3	1	0.317	-1	2.226	-1	7.033	-1	2093	45	2.4
13584.8	10000	38.9806	94.2487	-142	PKC	2.7	-1	9.2	0	1.3	1	0.297	-1	2.083	-1	7.007	-1	2115	54	2.4
13584.9	10000	38.9806	94.2479	-143	PKC	2.7	-1	8.8	0	1.3	1	0.304	-1	1.999	-1	6.570	-1	2115	52	2.4
13585.0	10000	38.9806	94.2472	-143	PKC	2.6	-1	9.2	0	1.4	1	0.286	-1	1.896	-2	6.636	-1	2154	46	2.4
13585.1	10000	38.9806	94.2464	-143	PKC	2.9	-1	9.6	0	1.4	1	0.299	-1	2.057	-1	6.870	-1	2178	39	2.5
13585.2	10000	38.9806	94.2457	-141	PKC	3.1	0	9.7	0	1.4	2	0.316	-1	2.166	-1	6.852	-1	2217	44	2.5
13585.3	10000	38.9806	94.2449	-140	PKC	3.0	-1	9.6	0	1.4	2	0.308	-1	2.094	-1	6.805	-1	2230	44	2.5
13585.4	10000	38.9806	94.2442	-138	PKC	3.0	-1	9.5	0	1.4	2	0.315	-1	2.118	-1	6.734	-1	2226	37	2.5
13585.5	10000	38.9806	94.2434	-135	PKC	2.9	-1	9.3	0	1.4	2	0.312	-1	2.071	-1	6.630	-1	2205	29	2.5
13585.6	10000	38.9806	94.2427	-134	PKC	3.0	-1	9.7	0	1.4	2	0.304	-1	2.097	-1	6.898	-1	2206	44	2.5
13585.7	10000	38.9806	94.2419	-132	PKC	3.1	0	9.7	0	1.4	2	0.328	0	2.214	-1	6.760	-1	2195	63	2.5
13585.8	10000	38.9806	94.2412	-129	PKC	3.0	-1	9.5	0	1.4	2	0.330	0	2.182	-1	6.619	-1	2188	35	2.5
13585.9	10000	38.9806	94.2404	-127	PKC	2.8	-1	9.2	0	1.4	2	0.311	-1	1.935	-2	6.218	-2	2183	55	2.5
13586.0	10000	38.9806	94.2397	-125	PKC	2.7	-1	9.3	0	1.4	2	0.292	-1	1.854	-2	6.353	-2	2196	43	2.5
13586.1	10000	38.9806	94.2389	-122	PKC	2.5	-1	9.2	0	1.4	2	0.269	-1	1.698	-2	6.311	-2	2210	40	2.5
13586.2	10000	38.9806	94.2382	-120	PKC	2.5	-1	9.3	0	1.4	2	0.264	-1	1.616	-2	6.118	-2	2224	49	2.5
13586.3	10000	38.9806	94.2374	-117	PKC	2.6	-1	9.3	0	1.4	2	0.274	-1	1.769	-2	6.453	-1	2236	58	2.5
13586.4	10000	38.9806	94.2367	-117	PKC	2.7	-1	9.3	0	1.5	2	0.294	-1	1.903	-2	6.469	-1	2244	57	2.5
13586.5	10000	38.9806	94.2359	-116	PKC	2.5	-1	9.2	0	1.4	2	0.274	-1	1.765	-2	6.434	-1	2248	43	2.4
13586.6	10000	38.9806	94.2352	-115	PKC	2.5	-1	9.2	0	1.4	2	0.266	-1	1.752	-2	6.577	-1	2238	41	2.4
13586.7	10000	38.9806	94.2344	-114	PKC	2.7	-1	9.3	0	1.4	2	0.293	-1	1.942	-1	6.620	-1	2232	54	2.4
13586.8	10000	38.9805	94.2337	-113	PKC	3.0	-1	9.3	0	1.4	2	0.327	0	2.299	-1	7.026	-1	2207	44	2.4
13586.9	10000	38.9805	94.2329	-113	PKC	3.2	-1	9.3	0	1.4	2	0.348	0	2.582	-1	7.415	-1	2194	55	2.4
13587.0	10000	38.9806	94.2322	-112	PKC	2.8	-1	9.3	0	1.3	2	0.309	-1	2.227	-1	7.214	-1	2174	46	2.4
13587.1	10000	38.9805	94.2314	-111	PKC	2.5	-1	9.2	0	1.3	2	0.255	-1	1.902	-2	7.444	-1	2142	54	2.4
13587.2	10000	38.9805	94.2307	-112	PKC	2.5	-1	9.3	0	1.3	2	0.259	-1	1.995	-1	7.699	-1	2111	63	2.4
13587.3	10000	38.9805	94.2299	-113	PKC	2.5	-1	9.3	0	1.3	2	0.261	-1	2.015	-1	7.713	0	2092	39	2.4
13587.4	10000	38.9805	94.2292	-113	PKC	2.5	-1	9.3	0	1.3	2	0.271	-1	2.058	-1	7.581	-1	2069	46	2.4
13587.5	10000	38.9805	94.2285	-113	PKC	2.4	-1	9.2	0	1.3	2	0.258	-1	1.926	-2	7.458	-1	2063	47	2.4
13587.6	10000	38.9805	94.2277	-114	PKC	2.5	-1	9.3	0	1.3	2	0.258	-1	1.818	-2	7.207	-1	2060	32	2.4
13587.7	10000	38.9805	94.2270	-116	PKC	2.5	-1	9.3	0	1.3	2	0.305	-1	1.892	-2	7.336	-1	2056	58	2.4
13587.8	10000	38.9805	94.2262	-118	PKC	2.7	-1	9.3	0	1.3	2	0.315	-1	2.150	-1	7.044	-1	2067	41	2.4
13587.9	10000	38.9805	94.2254	-120	PKC	2.8	-1	9.3	0	1.3	2	0.305	-1	2.055	-1	6.531	-1	2096	48	2.4
13588.0	10000	38.9805	94.2247	-122	PKC	3.1	0	9.5	0	1.3	2	0.367	0	2.442	-1	6.654	-1	2099	39	2.3

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13588.1	10000	38.9805	94.2240	-125	PKC	3.2	0	8.5	-1	1.2	0	0.376	0	2.658	0	7.072	-1	2106	39	2.3
13588.2	10000	38.9805	94.2232	-129	PKC	3.3	0	8.3	-1	1.2	0	0.397	0	2.725	0	6.857	-1	2120	46	2.3
13588.3	10000	38.9805	94.2225	-133	PKC	3.5	0	8.0	-1	1.2	1	0.435	1	2.793	0	6.426	-2	2129	46	2.3
13588.4	10000	38.9805	94.2217	-137	PKC	3.7	1	8.1	-1	1.3	1	0.460	1	2.954	0	6.426	-2	2135	34	2.3
13588.5	10000	38.9805	94.2210	-140	PKC	3.5	0	8.7	0	1.3	1	0.403	1	2.755	0	6.836	-1	2142	45	2.3
13588.6	10000	38.9805	94.2202	-144	PKC	3.6	1	8.9	0	1.2	0	0.405	1	2.995	0	7.401	-1	2129	46	2.3
13588.7	10000	38.9805	94.2195	-149	PKC	3.2	0	9.2	0	1.2	1	0.352	0	2.653	0	7.537	-1	2136	47	2.3
13588.8	10000	38.9805	94.2187	-153	PKC	3.1	0	9.3	0	1.2	1	0.328	0	2.506	-1	7.630	-1	2140	42	2.3
13588.9	10000	38.9805	94.2180	-156	PKC	3.0	0	9.8	0	1.3	1	0.310	-1	2.417	-1	7.805	0	2164	48	2.3
13589.0	10000	38.9805	94.2172	-161	PKC	3.0	-1	10.0	1	1.2	0	0.295	-1	2.439	-1	8.273	0	2188	43	2.3
13589.1	10000	38.9805	94.2165	-166	PKC	3.0	-1	9.7	0	1.2	0	0.305	-1	2.478	-1	8.120	0	2193	41	2.2
13589.2	10000	38.9805	94.2157	-170	PKC	3.3	0	9.2	0	1.2	0	0.360	0	2.830	0	7.857	0	2198	45	2.2
13589.3	10000	38.9805	94.2150	-173	PKC	3.2	0	9.3	0	1.2	1	0.349	0	2.597	-1	7.449	-1	2217	59	2.2
13589.4	10000	38.9805	94.2142	-176	PKC	3.4	0	9.3	0	1.2	0	0.367	0	2.816	0	7.673	-1	2213	54	2.2
13589.5	10000	38.9805	94.2135	-181	PKC	3.6	1	9.5	0	1.3	1	0.378	0	2.836	0	7.512	-1	2208	42	2.2
13589.6	10000	38.9805	94.2127	-185	PKC	3.2	0	9.2	0	1.3	1	0.345	0	2.545	-1	7.368	-1	2179	42	2.2
13589.7	10000	38.9805	94.2120	-187	PKC	3.2	0	9.2	0	1.2	1	0.343	0	2.580	-1	7.522	-1	2150	40	2.2
13589.8	10000	38.9805	94.2112	-191	PKC	3.1	0	9.8	0	1.3	1	0.318	-1	2.436	-1	7.671	-1	2155	47	2.2
13589.9	10000	38.9805	94.2105	-195	PKC	2.9	-1	9.6	0	1.3	1	0.301	-1	2.228	-1	7.409	-1	2139	50	2.2
13590.0	10000	38.9805	94.2097	-197	PKC	2.9	-1	9.5	0	1.3	1	0.306	-1	2.276	-1	7.427	-1	2134	41	2.2
13590.1	10000	38.9805	94.2090	-199	PKC	2.7	-1	9.1	0	1.3	1	0.299	-1	2.100	-1	7.033	-1	2140	54	2.1
13590.2	10000	38.9805	94.2082	-201	PKC	2.7	-1	9.4	0	1.3	1	0.290	-1	2.072	-1	7.150	-1	2161	48	2.1
13590.3	10000	38.9805	94.2075	-204	PKC	3.1	0	9.6	0	1.3	1	0.327	0	2.429	-1	7.418	-1	2174	49	2.1
13590.4	10000	38.9805	94.2067	-205	PKC	3.0	-1	9.4	0	1.3	1	0.318	-1	2.249	-1	7.066	-1	2195	51	2.1
13590.5	10000	38.9805	94.2060	-206	PKC	3.2	0	8.9	0	1.3	1	0.364	0	2.534	-1	6.966	-1	2185	46	2.1
13590.6	10000	38.9805	94.2052	-208	PKC	3.4	0	9.2	0	1.3	1	0.372	0	2.725	-1	7.325	-1	2207	41	2.1
13590.7	10000	38.9805	94.2045	-209	PKC	3.5	0	9.7	0	1.3	1	0.354	0	2.650	-1	7.479	-1	2216	38	2.1
13590.8	10000	38.9805	94.2037	-210	PKC	3.5	1	9.0	0	1.3	1	0.350	0	2.671	-1	7.621	-1	2225	50	2.1
13590.9	10000	38.9805	94.2030	-211	PP	3.8	0	9.8	0	1.3	1	0.383	0	2.830	-1	7.393	-1	2227	61	2.1
13591.0	10000	38.9805	94.2022	-212	PP	3.6	0	9.6	0	1.4	1	0.369	0	2.603	-1	7.054	-1	2237	40	2.1
13591.1	10000	38.9805	94.2015	-211	PP	3.5	0	10.2	0	1.4	1	0.347	0	2.577	-1	7.422	-1	2227	46	2.1
13591.2	10000	38.9805	94.2007	-214	PP	3.4	0	10.4	0	1.4	1	0.326	0	2.468	-1	7.569	-1	2225	56	2.1
13591.3	10000	38.9805	94.2000	-215	PP	3.4	1	10.1	0	1.4	1	0.322	0	2.249	-1	6.989	-1	2223	40	2.1
13591.4	10000	38.9805	94.1992	-215	PP	3.5	0	9.2	0	1.4	1	0.379	0	2.444	-1	6.448	-1	2232	49	2.1
13591.5	10000	38.9805	94.1985	-216	PP	3.7	0	9.2	0	1.4	1	0.399	0	2.547	-1	6.389	-1	2213	54	2.1
13591.6	10000	38.9805	94.1977	-216	PP	3.2	0	9.9	0	1.4	1	0.364	0	2.337	-1	6.415	-1	2177	52	2.1
13591.7	10000	38.9805	94.1970	-218	PP	3.6	0	9.6	0	1.3	1	0.403	0	2.711	0	6.731	-1	2154	37	2.1
13591.8	10000	38.9805	94.1962	-221	PP	3.9	0	9.3	0	1.2	1	0.451	0	3.111	0	6.895	-1	2135	52	2.1
13591.9	10000	38.9804	94.1954	-222	PP	3.9	0	8.8	0	1.2	1	0.463	0	3.116	0	6.734	-1	2113	41	2.1
13592.0	10000	38.9804	94.1947	-224	PP	3.8	0	8.5	0	1.2	1	0.454	0	3.286	0	7.236	-1	2075	49	2.1
13592.1	10000	38.9804	94.1939	-226	PP	3.7	0	8.2	0	1.1	1	0.439	0	3.330	0	7.586	-1	2024	47	2.1
13592.2	10000	38.9804	94.1931	-228	PP	3.8	0	8.0	-1	1.1	1	0.467	0	3.576	0	7.662	-1	2015	45	2.1
13592.3	10000	38.9804	94.1923	-228	PP	4.2	0	8.8	-1	1.0	1	0.499	0	4.052	0	8.113	-1	2014	43	2.1
13592.4	10000	38.9804	94.1915	-230	PP	4.0	0	8.9	-1	1.0	1	0.498	0	3.955	0	7.945	-1	1980	57	2.1
13592.5	10000	38.9804	94.1907	-232	PP	3.9	0	7.6	-1	1.0	1	0.499	0	3.880	0	7.627	-1	1960	45	2.1
13592.6	10000	38.9804	94.1900	-234	PP	3.9	0	7.7	-1	1.0	1	0.507	0	3.952	0	7.792	-1	1956	43	2.1
13592.7	10000	38.9804	94.1892	-237	PP	4.0	0	7.2	-1	1.0	1	0.551	0	4.083	0	7.408	-1	1935	49	2.1
13592.8	10000	38.9804	94.1884	-238	PP	4.0	0	7.2	-1	0.9	1	0.528	0	4.114	0	7.792	-1	1902	46	2.1
13592.9	10000	38.9804	94.1876	-241	PP	3.8	0	7.1	-2	0.9	1	0.490	0	3.822	0	7.805	-1	1868	48	2.1
13593.0	10000	38.9804	94.1868	-243	PM	3.8	0	7.3	-2	0.9	1	0.504	0	3.935	0	7.810	-1	1847	56	2.1
13593.1	10000	38.9804	94.1861	-244	PM	3.6	0	7.0	-2	0.9	1	0.461	0	3.512	0	7.620	-1	1846	38	2.1
13593.2	10000	38.9804	94.1853	-245	PM	3.4	0	7.5	-2	1.0	1	0.427	0	3.526	1	7.894	-1	1856	52	1.9

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13593.3	10000	38.9804	94.1845	-247	PM	3.3	0	7.3	-2	1.0	-1	0.452	2	3.425	0	7.569	-1	1877	51	1.9
13593.4	10000	38.9804	94.1837	-250	PM	3.3	0	8.0	-1	1.0	0	0.416	1	3.300	0	7.930	-1	1929	50	1.9
13593.5	10000	38.9804	94.1829	-252	PM	3.3	0	8.3	-1	1.1	0	0.397	1	2.984	0	7.507	-1	1998	41	1.9
13593.6	10000	38.9804	94.1821	-255	PM	3.5	0	8.5	-1	1.2	1	0.412	1	3.019	0	7.327	-1	2050	41	1.9
13593.7	10000	38.9803	94.1814	-256	PM	3.7	1	8.6	-1	1.2	1	0.426	1	2.930	0	6.877	-1	2097	30	1.9
13593.8	10000	38.9803	94.1806	-258	PM	3.8	1	9.2	0	1.2	1	0.408	1	3.060	0	7.499	-1	2135	50	1.9
13593.9	10000	38.9803	94.1798	-258	PM	3.8	1	9.6	0	1.3	1	0.392	1	3.022	0	7.701	-1	2155	53	1.9
13594.0	10000	38.9803	94.1790	-259	PM	3.7	1	9.8	0	1.3	1	0.374	0	2.834	0	7.583	-1	2147	55	1.9
13594.1	10000	38.9803	94.1782	-260	PM	3.7	1	9.8	0	1.3	2	0.379	0	2.794	0	7.365	-1	2166	32	1.9
13594.2	10000	38.9803	94.1774	-263	PM	3.8	1	9.5	0	1.3	1	0.405	1	2.955	0	7.303	-1	2154	48	1.9
13594.3	10000	38.9803	94.1767	-263	PM	3.8	1	9.2	0	1.3	1	0.412	1	2.967	0	7.193	-1	2165	52	1.9
13594.4	10000	38.9803	94.1759	-265	PM	3.3	1	9.4	0	1.3	1	0.354	0	2.643	-1	7.458	-1	2158	51	1.9
13594.5	10000	38.9803	94.1751	-267	PM	3.5	0	9.2	0	1.3	2	0.375	0	2.622	-1	6.991	-1	2162	40	1.9
13594.6	10000	38.9803	94.1743	-267	PM	3.1	0	9.4	0	1.3	2	0.333	0	2.341	-1	7.030	-1	2169	38	1.9
13594.7	10000	38.9803	94.1735	-268	PM	3.3	0	9.6	0	1.4	2	0.345	0	2.452	-1	7.099	-1	2186	47	1.9
13594.8	10000	38.9803	94.1727	-269	PM	3.2	0	9.3	0	1.3	2	0.346	0	2.477	-1	7.149	-1	2182	46	1.9
13594.9	10000	38.9803	94.1720	-270	PM	3.5	0	9.7	0	1.3	1	0.362	0	2.720	-1	7.515	-1	2199	40	1.9
13595.0	10000	38.9803	94.1712	-271	PM	3.8	1	9.5	0	1.3	2	0.394	1	2.848	0	7.236	-1	2192	56	1.9
13595.1	10000	38.9803	94.1704	-272	PM	3.7	1	9.3	0	1.4	2	0.397	1	2.665	-1	6.705	-2	2220	50	1.9
13595.2	10000	38.9803	94.1696	-273	PM	3.7	1	9.0	0	1.4	2	0.414	1	2.736	-1	6.615	-2	2212	42	1.9
13595.3	10000	38.9803	94.1688	-273	PM	4.0	1	8.4	-1	1.4	2	0.475	2	2.863	0	6.026	-2	2220	42	1.9
13595.4	10000	38.9803	94.1680	-276	PM	3.6	1	8.9	-1	1.4	2	0.401	1	2.508	-1	6.248	-2	2239	49	1.9
13595.5	10000	38.9803	94.1673	-276	PM	4.0	-1	8.7	-1	1.5	2	0.347	0	2.079	-2	6.000	-2	2219	37	1.9
13595.6	10000	38.9802	94.1665	-276	PM	3.8	-1	8.4	-1	1.5	3	0.336	0	1.902	-2	5.668	-2	2220	71	1.9
13595.7	10000	38.9802	94.1657	-278	PP	3.6	-1	8.7	0	1.5	2	0.294	-1	1.699	-2	5.789	-2	2211	49	1.9
13595.8	10000	38.9802	94.1649	-279	PP	3.7	-1	8.8	0	1.5	2	0.313	-1	1.833	-2	5.853	-2	2199	34	1.9
13595.9	10000	38.9802	94.1641	-281	PP	3.7	-1	9.0	0	1.5	2	0.305	-1	1.809	-2	5.936	-2	2211	41	1.9
13596.0	10000	38.9802	94.1634	-281	PP	4.5	-1	9.3	0	1.5	2	0.261	-1	1.603	-2	6.152	-2	2197	58	2.0
13596.1	10000	38.9802	94.1626	-282	PP	4.5	-1	9.3	0	1.5	2	0.269	-1	1.670	-2	6.209	-2	2169	38	2.0
13596.2	10000	38.9802	94.1618	-281	PP	4.8	-1	9.5	0	1.5	2	0.304	-1	1.989	-2	6.543	-1	2156	55	2.0
13596.3	10000	38.9802	94.1610	-283	PP	4.7	-1	9.5	0	1.4	2	0.281	-1	1.891	-2	6.723	-1	2139	52	2.0
13596.4	10000	38.9802	94.1602	-284	PP	4.6	-1	9.7	0	1.4	2	0.267	-1	1.842	-2	6.896	-1	2136	46	2.0
13596.5	10000	38.9802	94.1594	-282	PP	4.3	-1	9.8	0	1.4	2	0.241	-1	1.690	-2	7.026	-1	2136	47	2.0
13596.6	10000	38.9802	94.1587	-283	PP	4.5	-1	10.0	0	1.4	2	0.232	-1	1.631	-2	7.032	-1	2123	50	2.0
13596.7	10000	38.9802	94.1579	-281	PP	4.8	-1	9.8	0	1.4	2	0.268	-1	1.851	-2	6.901	-1	2115	40	2.0
13596.8	10000	38.9802	94.1571	-282	PP	4.8	-1	9.8	0	1.3	2	0.276	-1	1.932	-2	7.007	-1	2103	46	2.0
13596.9	10000	38.9802	94.1563	-281	PP	4.8	-1	9.6	0	1.3	2	0.307	-1	2.208	-2	7.191	-1	2095	44	2.0
13597.0	10000	38.9802	94.1555	-281	PP	4.8	-1	9.5	0	1.3	2	0.394	-1	2.750	-2	6.980	-1	2084	45	2.0
13597.1	10000	38.9802	94.1548	-279	PP	4.3	-1	9.2	0	1.3	2	0.392	0	2.838	-2	7.245	-1	2057	44	2.0
13597.2	10000	38.9801	94.1540	-279	PP	4.3	-1	9.4	0	1.3	2	0.400	0	2.977	-2	7.447	-1	2030	41	2.0
13597.3	10000	38.9801	94.1532	-277	PP	4.5	-1	9.3	0	1.3	2	0.418	0	3.115	-2	7.453	-1	2013	71	2.0
13597.4	10000	38.9801	94.1524	-277	PP	4.4	-1	9.3	0	1.3	2	0.403	0	3.090	-2	7.673	0	1996	50	2.0
13597.5	10000	38.9801	94.1516	-276	PP	4.5	-1	9.4	0	1.3	2	0.412	0	3.178	-2	7.715	0	2001	55	2.0
13597.6	10000	38.9801	94.1508	-275	PP	4.2	-1	9.6	-1	1.2	2	0.374	0	2.793	-2	7.474	-1	2029	43	2.0
13597.7	10000	38.9801	94.1501	-274	PP	4.7	-1	9.8	-1	1.2	2	0.298	-1	2.259	-2	7.587	-1	2043	43	2.0
13597.8	10000	38.9801	94.1493	-271	PP	5.0	-1	9.8	-1	1.2	2	0.340	-1	2.513	-2	7.395	-1	2072	45	2.0
13597.9	10000	38.9801	94.1485	-271	PP	5.1	-1	9.8	-1	1.2	2	0.362	-1	2.543	-2	7.019	-1	2085	49	2.0
13598.0	10000	38.9801	94.1477	-269	PP	5.1	-1	9.8	-1	1.2	2	0.349	-1	2.545	-2	7.284	-1	2104	46	2.0
13598.1	10000	38.9801	94.1469	-269	PP	5.3	-1	9.8	-1	1.2	2	0.376	-1	2.689	-2	7.152	-1	2123	43	2.0
13598.2	10000	38.9801	94.1461	-267	PP	5.1	-1	9.8	-1	1.2	2	0.347	-1	2.408	-2	6.942	-1	2111	48	2.0
13598.3	10000	38.9801	94.1454	-268	PKC	5.1	-1	9.8	-1	1.2	2	0.367	-1	2.551	-2	7.342	-1	2096	50	2.1
13598.4	10000	38.9801	94.1446	-267	PKC	5.4	-1	9.3	-1	1.2	2	0.367	0	2.790	-2	7.591	-1	2107	45	2.1

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13598.5	10000	38.9801	94.1438	-266	PKC	3.2	0	9.7	0	1.2	1	0.332	0	2.570	-1	7.747	0	2102	40	2.1
13598.6	10000	38.9801	94.1430	-267	PKC	3.1	0	9.7	0	1.2	0	0.316	-1	2.616	-1	8.288	0	2101	47	2.1
13598.7	10000	38.9801	94.1422	-267	PKC	3.0	-1	9.3	0	1.1	0	0.317	-1	2.583	-1	8.151	0	2096	49	2.1
13598.8	10000	38.9800	94.1414	-266	PKC	2.9	-1	9.6	0	1.2	0	0.298	-1	2.477	-1	8.314	0	2116	47	2.1
13598.9	10000	38.9800	94.1407	-265	PKC	3.1	0	9.4	0	1.1	0	0.332	0	2.744	0	8.272	0	2128	44	2.1
13599.0	10000	38.9800	94.1399	-266	PKC	3.4	0	9.0	0	1.2	0	0.381	0	2.883	0	7.581	-1	2132	42	2.1
13599.1	10000	38.9800	94.1391	-266	PKC	3.4	0	8.7	-1	1.2	0	0.386	0	2.886	0	7.476	-1	2114	43	2.1
13599.2	10000	38.9800	94.1383	-267	PKC	3.6	1	8.3	-1	1.1	0	0.439	1	3.287	0	7.489	-1	2093	48	2.1
13599.3	10000	38.9800	94.1375	-265	PKC	3.7	1	8.2	-1	1.1	0	0.456	1	3.435	1	7.312	-1	2074	49	2.1
13599.4	10000	38.9800	94.1368	-266	PKC	3.8	1	8.2	-1	1.2	0	0.466	1	3.531	1	7.150	-1	2081	40	2.1
13599.5	10000	38.9800	94.1360	-266	PKC	3.8	1	7.8	-1	1.2	0	0.488	2	3.260	0	6.686	-1	2065	36	2.1
13599.6	10000	38.9800	94.1352	-266	PKC	3.7	1	8.0	-1	1.2	0	0.457	1	3.079	0	6.741	-1	2078	43	2.1
13599.7	10000	38.9800	94.1344	-265	PKC	3.5	0	8.2	-1	1.2	0	0.423	1	2.951	0	6.983	-1	2078	51	2.1
13599.8	10000	38.9800	94.1336	-265	PKC	3.4	0	8.6	-1	1.2	1	0.399	0	2.800	0	7.011	-1	2080	45	2.1
13599.9	10000	38.9800	94.1328	-266	PKC	3.2	0	8.8	0	1.3	1	0.370	0	2.524	-1	6.816	-1	2112	44	2.1
13600.0	10000	38.9800	94.1321	-267	PKC	3.2	0	8.6	-1	1.3	1	0.374	0	2.425	-1	6.487	-1	2129	55	2.1
13600.1	10000	38.9800	94.1313	-266	PP	3.3	0	8.3	-1	1.3	1	0.395	0	2.573	-1	6.518	-1	2104	49	2.1
13600.2	10000	38.9800	94.1305	-266	PP	3.1	0	8.5	0	1.2	1	0.371	0	2.566	-1	6.912	-1	2078	38	2.1
13600.3	10000	38.9800	94.1297	-265	PP	3.4	0	8.3	-1	1.2	1	0.405	0	2.792	0	6.890	-1	2052	35	2.1
13600.4	10000	38.9800	94.1289	-266	PP	3.1	0	8.0	-1	1.2	1	0.388	0	2.552	-1	6.584	-1	2042	44	2.1
13600.5	10000	38.9800	94.1282	-267	PP	3.0	-1	7.9	-1	1.2	0	0.380	0	2.542	-1	6.694	-1	2057	53	2.1
13600.6	10000	38.9799	94.1274	-267	PP	3.3	0	8.4	-1	1.2	1	0.395	0	2.732	0	6.914	-1	2066	40	2.1
13600.7	10000	38.9799	94.1266	-268	PP	3.3	0	8.9	0	1.2	1	0.369	0	2.732	0	7.414	-1	2088	35	2.1
13600.8	10000	38.9799	94.1258	-268	PP	3.4	0	9.5	0	1.3	1	0.359	0	2.637	-1	7.338	-1	2129	44	2.1
13600.9	10000	38.9799	94.1250	-269	PP	3.6	1	9.7	0	1.4	1	0.372	0	2.658	-1	7.139	-1	2185	42	2.1
13601.0	10000	38.9799	94.1242	-268	PP	3.6	1	9.6	0	1.4	1	0.377	0	2.637	-1	7.002	-1	2205	53	2.1
13601.1	10000	38.9799	94.1235	-270	PP	4.2	2	9.8	1	1.3	1	0.426	1	3.139	0	7.370	-1	2219	37	2.1
13601.2	10000	38.9799	94.1227	-270	PP	4.3	2	9.9	1	1.3	1	0.438	1	3.269	0	7.463	-1	2217	59	2.1
13601.3	10000	38.9799	94.1219	-270	PP	4.1	1	9.6	0	1.3	1	0.426	1	3.255	0	7.638	0	2198	46	2.1
13601.4	10000	38.9799	94.1211	-270	PP	4.0	1	9.4	0	1.3	1	0.425	1	3.184	0	7.485	-1	2185	62	2.1
13601.5	10000	38.9799	94.1203	-270	PP	3.7	1	9.4	0	1.2	1	0.397	1	2.952	0	7.432	-1	2183	46	2.1
13601.6	10000	38.9799	94.1196	-270	PP	3.8	1	9.6	0	1.3	1	0.394	1	3.125	0	7.923	0	2169	50	2.1
13601.7	10000	38.9799	94.1188	-272	PP	3.7	1	9.2	0	1.3	1	0.361	1	3.114	0	8.616	0	2188	47	2.1
13601.8	10000	38.9799	94.1180	-273	PP	3.4	1	9.0	0	1.3	1	0.343	1	2.732	0	7.960	0	2195	38	2.1
13601.9	10000	38.9799	94.1172	-273	PP	3.2	1	8.7	-1	1.3	1	0.335	1	2.540	-1	7.585	-1	2197	42	2.1
13602.0	10000	38.9799	94.1164	-274	PP	3.1	1	8.5	-1	1.3	1	0.343	1	2.361	-1	6.890	-1	2199	51	2.1
13602.1	10000	38.9799	94.1156	-274	PP	3.5	1	8.7	-1	1.3	1	0.400	1	2.601	-1	6.508	-1	2209	48	2.1
13602.2	10000	38.9799	94.1149	-276	PP	3.9	1	8.5	-1	1.4	1	0.461	1	2.958	-1	6.418	-1	2209	37	2.1
13602.3	10000	38.9798	94.1141	-276	PP	3.7	1	8.0	-1	1.4	1	0.463	1	2.641	-1	5.703	-2	2202	42	2.1
13602.4	10000	38.9798	94.1133	-276	PP	3.5	1	7.8	-1	1.4	1	0.458	1	2.491	-1	5.441	-2	2194	46	2.1
13602.5	10000	38.9798	94.1125	-278	PP	3.5	1	7.2	-1	1.4	1	0.427	1	2.594	-1	6.075	-2	2196	54	2.1
13602.6	10000	38.9798	94.1117	-280	PP	3.5	1	7.5	-1	1.4	1	0.413	1	2.538	-1	6.148	-2	2199	37	2.1
13602.7	10000	38.9798	94.1109	-281	PP	3.5	1	7.8	-1	1.4	1	0.403	1	2.466	-1	6.126	-2	2214	53	2.1
13602.8	10000	38.9798	94.1102	-283	PP	3.3	1	8.0	-1	1.4	1	0.376	1	2.402	-1	6.390	-1	2199	44	2.1
13602.9	10000	38.9798	94.1094	-283	PP	3.0	1	8.3	-1	1.4	1	0.343	1	2.219	-1	6.462	-1	2184	50	2.1
13603.0	10000	38.9798	94.1086	-286	PP	3.2	1	8.4	-1	1.3	1	0.319	-1	2.323	-1	7.281	-1	2166	51	2.1
13603.1	10000	38.9798	94.1078	-286	PP	3.2	1	8.4	-1	1.3	1	0.338	-1	2.530	-1	7.489	-1	2156	42	2.1
13603.2	10000	38.9798	94.1070	-289	PP	3.1	1	8.3	-1	1.3	1	0.319	-1	2.429	-1	7.626	-1	2138	46	2.1
13603.3	10000	38.9798	94.1062	-289	PP	3.0	1	8.4	-1	1.3	1	0.344	-1	2.533	-1	7.366	-1	2131	43	2.1
13603.4	10000	38.9798	94.1055	-292	PP	3.2	1	8.4	-1	1.3	1	0.329	-1	2.631	-1	7.988	0	2105	33	2.1
13603.5	10000	38.9798	94.1047	-292	PP	3.4	1	8.4	-1	1.3	1	0.349	-1	2.800	-1	8.032	0	2111	39	2.1
13603.6	10000	38.9798	94.1039	-294	PP	3.3	1	8.4	-1	1.2	1	0.346	-1	2.713	-1	7.833	0	2122	46	2.1

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13603.7	10000	38.9798	94.1031	-294	PP	3.6	0	9.8	1	1.3	1	0.365	0	2.855	0	7.812	0	2149	50	2.1
13603.8	10000	38.9798	94.1023	-296	PP	3.4	0	9.5	0	1.3	1	0.362	0	2.627	-1	7.257	-1	2163	40	2.1
13603.9	10000	38.9798	94.1015	-297	PP	3.5	0	9.1	0	1.3	1	0.386	0	2.672	-1	6.916	-1	2178	47	2.1
13604.0	10000	38.9797	94.1008	-297	PP	3.3	0	9.6	0	1.3	1	0.346	0	2.518	-1	7.281	-1	2189	39	2.1
13604.1	10000	38.9797	94.1000	-299	PP	3.4	0	9.7	1	1.3	1	0.352	0	2.539	-1	7.213	-1	2207	55	2.1
13604.2	10000	38.9797	94.0992	-299	PP	3.2	0	10.1	1	1.3	1	0.319	-1	2.401	-1	7.528	-1	2209	51	2.1
13604.3	10000	38.9797	94.0984	-302	PP	3.1	0	10.4	1	1.3	1	0.296	-1	2.323	-1	7.845	0	2203	50	2.1
13604.4	10000	38.9797	94.0976	-302	PP	3.0	-1	10.0	1	1.4	2	0.301	-1	2.183	-1	7.253	-1	2208	47	2.1
13604.5	10000	38.9797	94.0969	-304	PP	3.1	0	10.0	1	1.4	1	0.312	-1	2.306	-1	7.385	-1	2218	39	2.1
13604.6	10000	38.9797	94.0961	-305	PP	3.1	0	10.3	1	1.4	2	0.301	-1	2.192	-1	7.289	-1	2237	46	2.1
13604.7	10000	38.9797	94.0953	-307	PP	3.0	-1	10.1	1	1.4	2	0.297	-1	2.181	-1	7.335	-1	2230	53	2.1
13604.8	10000	38.9797	94.0946	-307	PP	3.0	-1	10.1	1	1.3	1	0.294	-1	2.211	-1	7.528	-1	2217	46	2.1
13604.9	10000	38.9797	94.0938	-312	PP	2.8	-1	10.1	1	1.4	2	0.278	-1	2.040	-1	7.347	-1	2213	37	2.1
13605.0	10000	38.9797	94.0930	-313	PP	3.0	-1	9.7	0	1.4	2	0.305	-1	2.145	-1	7.027	-1	2215	33	2.1
13605.1	10000	38.9797	94.0923	-317	PP	2.8	-1	9.3	0	1.4	1	0.299	-1	2.068	-1	6.920	-1	2218	38	2.1
13605.6	10000	38.9797	94.0885	-330	PP	3.0	-1	9.4	0	1.3	1	0.323	-1	2.299	-1	7.118	-1	2196	43	2.1
13605.7	10000	38.9797	94.0877	-333	PP	3.3	0	9.0	0	1.3	1	0.370	0	2.579	-1	6.965	-1	2181	44	2.1
13605.8	10000	38.9797	94.0869	-336	PP	3.6	1	8.7	0	1.3	1	0.415	0	2.874	0	6.932	-1	2179	52	2.1
13605.9	10000	38.9797	94.0862	-339	PP	3.6	0	8.7	0	1.2	1	0.406	0	2.881	0	7.092	-1	2176	48	2.1
13606.0	10000	38.9797	94.0854	-343	PP	3.4	0	9.0	0	1.2	1	0.376	0	2.729	0	7.261	-1	2179	45	2.1
13606.1	10000	38.9797	94.0847	-345	PP	3.3	0	9.4	0	1.3	1	0.352	0	2.627	-1	7.472	-1	2184	40	2.1
13606.2	10000	38.9797	94.0839	-350	PP	3.2	0	9.8	1	1.3	1	0.326	-1	2.469	-1	7.584	-1	2176	29	2.1
13606.3	10000	38.9797	94.0831	-352	PP	2.9	-1	9.7	1	1.3	1	0.294	-1	2.193	-1	7.455	-1	2167	45	2.1
13606.4	10000	38.9797	94.0824	-356	PP	2.7	-1	9.5	0	1.3	1	0.287	-1	2.133	-1	7.420	-1	2146	39	2.1
13606.5	10000	38.9797	94.0816	-360	PP	2.5	-1	9.6	0	1.3	1	0.263	-1	1.920	-2	7.288	-1	2133	48	2.1
13606.6	10000	38.9797	94.0809	-365	PP	2.5	-1	9.5	1	1.3	1	0.265	-1	1.850	-2	6.985	-1	2137	47	2.1
13606.7	10000	38.9797	94.0801	-367	PP	2.8	-1	9.5	1	1.4	2	0.318	-1	2.069	-1	6.497	-1	2132	49	2.1
13606.8	10000	38.9797	94.0793	-372	PP	3.1	-1	9.5	1	1.4	2	0.362	-1	2.353	-1	6.503	-1	2121	40	2.1
13606.9	10000	38.9797	94.0786	-373	PP	3.5	-1	9.5	1	1.4	2	0.411	-1	2.875	-1	7.002	-1	2100	35	2.1
13607.0	10000	38.9797	94.0778	-378	PP	3.7	-1	9.5	1	1.4	2	0.418	-1	3.097	-1	7.405	-1	2100	43	2.1
13607.1	10000	38.9797	94.0771	-380	PP	3.5	-1	9.4	1	1.4	2	0.379	-1	2.922	-1	7.704	0	2096	55	2.1
13607.2	10000	38.9797	94.0763	-384	PP	3.6	-1	9.6	1	1.4	2	0.378	-1	2.975	-1	7.862	0	2101	54	2.1
13607.3	10000	38.9797	94.0755	-385	PP	3.7	-1	9.5	1	1.4	2	0.394	-1	3.084	-1	7.834	0	2095	46	2.1
13607.4	10000	38.9797	94.0748	-387	PP	3.7	-1	9.5	1	1.4	2	0.368	-1	3.048	-1	8.287	0	2099	42	2.1
13607.5	10000	38.9797	94.0740	-390	PP	3.5	-1	9.4	1	1.4	2	0.336	-1	2.753	-1	8.183	0	2116	44	2.1
13607.6	10000	38.9797	94.0733	-392	PP	3.3	-1	9.4	1	1.4	2	0.328	-1	2.552	-1	7.794	0	2126	43	2.1
13607.7	10000	38.9798	94.0725	-394	PP	3.0	-1	9.4	1	1.4	2	0.307	-1	2.265	-1	7.386	-1	2151	42	2.1
13607.8	10000	38.9797	94.0717	-396	PP	3.1	-1	9.4	1	1.4	2	0.321	-1	2.309	-1	7.193	-1	2176	51	2.1
13607.9	10000	38.9797	94.0710	-395	PP	3.0	-1	9.4	1	1.4	2	0.318	-1	2.185	-1	6.868	-1	2199	44	2.1
13608.0	10000	38.9797	94.0702	-395	PP	3.1	-1	9.4	1	1.4	2	0.331	-1	2.132	-1	6.444	-1	2206	50	2.1
13608.1	10000	38.9798	94.0695	-395	PP	3.2	-1	9.4	1	1.4	2	0.332	-1	2.031	-1	6.114	-2	2209	46	2.1
13608.2	10000	38.9797	94.0687	-396	PP	3.2	-1	9.4	1	1.4	2	0.355	-1	2.164	-1	6.102	-2	2195	48	2.1
13608.3	10000	38.9797	94.0679	-395	PP	3.2	-1	9.4	1	1.4	2	0.354	-1	2.208	-1	6.240	-2	2215	42	2.1
13608.4	10000	38.9798	94.0672	-393	PP	3.2	-1	9.4	1	1.4	2	0.357	-1	2.174	-1	6.091	-2	2220	42	2.1
13608.5	10000	38.9798	94.0664	-393	PP	3.2	-1	9.4	1	1.4	2	0.387	-1	2.267	-1	5.856	-2	2211	47	2.1
13608.6	10000	38.9797	94.0656	-390	PP	3.2	-1	9.4	1	1.4	2	0.401	-1	2.420	-1	6.042	-2	2202	28	2.1
13608.7	10000	38.9798	94.0649	-389	PP	3.2	-1	9.4	1	1.4	2	0.367	-1	2.452	-1	6.676	-1	2198	45	2.1
13608.8	10000	38.9798	94.0641	-385	PP	3.2	-1	9.4	1	1.4	2	0.356	-1	2.587	-1	7.276	-1	2200	44	2.1
13608.9	10000	38.9798	94.0634	-384	PP	3.2	-1	9.4	1	1.4	2	0.339	-1	2.416	-1	7.123	-1	2210	46	2.1
13609.0	10000	38.9798	94.0626	-380	PP	3.2	-1	9.4	1	1.4	2	0.329	-1	2.378	-1	7.226	-1	2193	54	2.1
13609.1	10000	38.9798	94.0618	-379	PM	3.2	-1	9.4	1	1.4	2	0.345	-1	2.497	-1	7.235	-1	2194	54	2.1
13609.2	10000	38.9798	94.0611	-375	PM	3.1	-1	9.3	1	1.4	2	0.339	-1	2.580	-1	7.608	-1	2195	37	2.1

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13609.3	10000	38.9798	94.0603	-373	PM	3.3	0	9.4	0	1.2	1	0.352	0	2.655	-1	7.534	-1	2186	41	2.1
13609.4	10000	38.9798	94.0596	-369	PM	3.3	0	9.6	0	1.3	1	0.340	0	2.542	-1	7.467	-1	2192	40	2.1
13609.5	10000	38.9798	94.0588	-368	PM	3.3	0	8.9	-1	1.3	1	0.378	0	2.675	-1	7.070	-1	2176	38	2.1
13609.6	10000	38.9798	94.0580	-366	PM	3.4	0	8.9	-1	1.2	1	0.385	1	2.744	-1	7.133	-1	2161	41	2.1
13609.7	10000	38.9798	94.0573	-365	PM	3.7	1	8.7	-1	1.2	1	0.424	1	2.999	0	7.077	-1	2153	50	2.1
13609.8	10000	38.9798	94.0565	-362	PM	3.6	1	8.7	-1	1.2	1	0.408	1	2.992	0	7.340	-1	2111	39	2.1
13609.9	10000	38.9798	94.0558	-362	PM	3.3	1	8.6	-1	1.1	1	0.387	0	2.902	0	7.490	-1	2079	41	2.1
13610.0	10000	38.9798	94.0550	-360	PM	3.2	0	8.6	-1	1.1	0	0.370	0	2.889	0	7.799	-1	2060	48	2.1
13610.1	10000	38.9798	94.0542	-361	PM	3.3	0	8.7	-1	1.1	0	0.377	0	2.952	0	7.828	-1	2044	47	2.1
13610.2	10000	38.9798	94.0535	-359	PM	3.1	0	9.0	0	1.2	1	0.346	0	2.636	-1	7.621	-1	2059	52	2.1
13610.3	10000	38.9798	94.0527	-361	PP	3.2	0	9.0	0	1.3	1	0.356	0	2.540	-1	7.127	-1	2077	51	2.1
13610.4	10000	38.9798	94.0520	-362	PP	3.0	-1	8.8	0	1.4	1	0.345	0	2.245	-1	6.509	-1	2112	44	2.1
13610.5	10000	38.9798	94.0512	-361	PP	3.2	0	9.1	0	1.4	1	0.351	0	2.334	-1	6.650	-1	2151	41	2.1
13610.6	10000	38.9798	94.0504	-362	PP	3.2	0	9.5	0	1.4	2	0.342	0	2.301	-1	6.736	-1	2195	40	2.1
13610.7	10000	38.9798	94.0497	-364	PP	3.3	0	9.4	0	1.4	2	0.357	0	2.349	-1	6.576	-1	2223	51	2.1
13610.8	10000	38.9798	94.0489	-365	PP	3.6	1	9.1	0	1.4	2	0.399	0	2.507	-1	6.282	-2	2252	54	2.1
13610.9	10000	38.9798	94.0482	-367	PP	3.9	1	8.8	0	1.4	2	0.439	1	2.730	0	6.212	-2	2262	50	2.1
13611.0	10000	38.9798	94.0474	-369	PP	4.0	1	8.9	0	1.4	1	0.445	1	2.914	0	6.543	-1	2276	51	2.1
13611.1	10000	38.9798	94.0466	-371	PP	4.3	2	8.9	0	1.3	1	0.483	1	3.299	0	6.825	-1	2269	40	2.1
13611.2	10000	38.9798	94.0459	-375	PP	4.3	2	8.6	0	1.3	1	0.504	1	3.241	0	6.428	-1	2277	60	2.1
13611.3	10000	38.9798	94.0451	-376	PP	4.4	2	8.3	-1	1.3	1	0.526	2	3.260	0	6.202	-2	2281	47	2.1
13611.4	10000	38.9798	94.0443	-381	PM	4.3	2	8.3	-1	1.4	2	0.519	3	3.133	0	6.036	-2	2283	64	2.1
13611.5	10000	38.9798	94.0436	-382	PM	3.9	1	8.7	-1	1.4	2	0.451	2	2.845	0	6.302	-2	2278	51	2.1
13611.6	10000	38.9798	94.0428	-386	PM	4.0	1	8.6	-1	1.4	2	0.463	2	2.860	0	6.172	-2	2272	39	2.1
13611.7	10000	38.9798	94.0421	-390	PM	4.1	1	8.6	-1	1.4	2	0.471	2	2.984	0	6.331	-2	2249	45	2.1
13611.8	10000	38.9798	94.0413	-396	PM	4.7	1	8.8	-1	1.4	2	0.404	2	2.683	-1	6.645	-2	2221	49	2.1
13611.9	10000	38.9798	94.0405	-398	PM	4.7	1	8.9	-1	1.4	2	0.407	2	2.809	-1	6.898	-1	2192	50	2.1
13612.0	10000	38.9798	94.0398	-402	PM	4.6	1	8.9	-1	1.4	2	0.409	2	2.712	-1	6.635	-2	2182	32	2.1
13612.1	10000	38.9798	94.0390	-406	PM	4.6	1	8.9	-1	1.4	2	0.439	3	2.994	-1	6.823	-1	2182	39	2.1
13612.2	10000	38.9798	94.0383	-411	PM	4.3	1	8.8	-1	1.3	2	0.510	2	3.346	-1	6.558	-2	2171	43	2.1
13612.3	10000	38.9798	94.0375	-415	PM	4.3	1	8.8	-1	1.4	2	0.494	2	3.151	-1	6.383	-2	2175	40	2.1
13612.4	10000	38.9798	94.0367	-420	PM	4.3	1	8.8	-1	1.4	2	0.432	2	2.582	-1	5.972	-2	2177	35	2.1
13612.5	10000	38.9798	94.0360	-425	PM	4.4	1	8.8	-1	1.5	2	0.438	2	2.524	-1	5.757	-2	2201	51	2.1
13612.6	10000	38.9798	94.0352	-428	PM	4.3	1	8.8	-1	1.5	2	0.446	2	2.501	-1	5.608	-2	2220	54	2.1
13612.7	10000	38.9798	94.0345	-434	PM	4.5	1	8.8	-1	1.5	2	0.456	2	2.691	-1	5.905	-2	2222	51	2.1
13612.8	10000	38.9798	94.0337	-437	PM	4.5	1	8.8	-1	1.5	2	0.432	2	2.496	-1	5.782	-2	2208	51	2.1
13612.9	10000	38.9798	94.0329	-442	PM	4.5	1	8.8	-1	1.5	2	0.446	2	2.643	-1	5.925	-2	2208	30	2.1
13613.0	10000	38.9798	94.0322	-445	PM	4.5	1	8.8	-1	1.5	2	0.438	2	2.837	-1	6.478	-2	2179	54	2.1
13613.1	10000	38.9798	94.0314	-449	PM	4.5	1	8.8	-1	1.5	2	0.445	3	3.006	-1	6.749	-2	2179	43	2.1
13613.2	10000	38.9798	94.0307	-452	PM	4.5	1	8.8	-1	1.5	2	0.455	3	3.053	-1	6.716	-2	2160	46	2.1
13613.3	10000	38.9798	94.0299	-455	PM	4.5	1	8.8	-1	1.5	2	0.434	2	2.979	-1	6.873	-1	2160	46	2.1
13613.4	10000	38.9798	94.0291	-459	PM	4.5	1	8.8	-1	1.5	2	0.413	2	2.821	-1	6.834	-1	2168	44	2.1
13613.5	10000	38.9798	94.0284	-460	PM	4.5	1	8.8	-1	1.5	2	0.418	2	2.947	-1	7.048	-1	2176	48	2.1
13613.6	10000	38.9798	94.0276	-465	PM	4.5	1	8.8	-1	1.5	2	0.390	2	2.848	-1	7.303	-1	2201	40	2.1
13613.7	10000	38.9798	94.0269	-467	PM	4.5	1	8.8	-1	1.5	2	0.375	2	2.761	-1	7.373	-1	2226	57	2.1
13613.8	10000	38.9798	94.0261	-469	PM	4.5	1	8.8	-1	1.5	2	0.371	2	2.910	-1	7.833	-1	2253	46	2.1
13613.9	10000	38.9798	94.0253	-472	PM	4.5	1	8.8	-1	1.5	2	0.360	2	2.793	-1	7.759	-1	2255	56	2.1
13614.0	10000	38.9798	94.0246	-473	PM	4.5	1	8.8	-1	1.5	2	0.368	3	2.824	-1	7.673	-1	2258	40	2.1
13614.1	10000	38.9798	94.0238	-477	PM	4.5	1	8.8	-1	1.5	2	0.333	2	2.632	-1	7.899	-1	2244	43	2.1
13614.2	10000	38.9798	94.0231	-477	PM	4.5	1	8.8	-1	1.5	2	0.311	2	2.379	-1	7.648	-1	2249	49	2.1
13614.3	10000	38.9798	94.0223	-481	PM	4.5	1	8.8	-1	1.5	2	0.286	2	2.077	-1	7.257	-1	2220	45	2.1
13614.4	10000	38.9798	94.0215	-483	PM	4.2	1	8.7	-1	1.4	2	0.325	2	2.256	-1	6.946	-1	2214	45	2.1

LINE 610 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
13614.5	10000	38.9798	94.0208	-485 PM		3.4	0	9.5	0	1.4	2	0.360	0	2.424	-1	6.744	-2	2241	42	2.1
13614.6	10000	38.9798	94.0200	-489 PM		3.5	0	9.5	0	1.4	2	0.372	0	2.549	-1	6.861	-1	2245	52	2.1
13614.7	10000	38.9798	94.0192	-490 PM		3.3	0	9.5	0	1.4	2	0.350	0	2.438	-1	6.970	-1	2238	44	2.1
13614.8	10000	38.9798	94.0185	-494 PM		3.5	0	9.3	0	1.4	2	0.376	0	2.533	-1	6.742	-2	2247	46	2.1
13614.9	10000	38.9798	94.0177	-496 PM		3.6	1	9.0	0	1.3	2	0.401	1	2.674	-1	6.676	-2	2233	58	2.1
13615.0	10000	38.9798	94.0170	-498 PM		3.9	1	8.8	-1	1.3	2	0.439	1	2.878	0	6.549	-2	2252	29	2.1
13615.1	10000	38.9798	94.0162	-502 PM		3.7	1	9.2	0	1.4	2	0.396	1	2.685	-1	6.784	-1	2267	39	2.1
13615.2	10000	38.9798	94.0154	-504 PM		3.3	0	9.5	0	1.4	2	0.343	0	2.382	-1	6.942	-1	2244	37	2.1
13615.3	10000	38.9798	94.0147	-507 PM		3.4	0	9.8	0	1.3	2	0.343	0	2.487	-1	7.258	-1	2246	54	2.1
13615.4	10000	38.9798	94.0139	-512 PM		3.7	1	9.8	0	1.3	2	0.375	0	2.786	0	7.437	-1	2260	40	2.1
13615.5	10000	38.9798	94.0132	-513 PM		3.7	1	9.9	1	1.3	2	0.368	0	2.728	-1	7.413	-1	2264	47	2.1
13615.6	10000	38.9798	94.0124	-517 PM		3.6	1	10.3	1	1.3	2	0.347	0	2.703	-1	7.796	-1	2285	44	2.1
13615.7	10000	38.9798	94.0116	-520 PM		3.7	1	10.8	1	1.3	2	0.342	0	2.749	-1	8.048	-1	2293	29	2.1
13615.8	10000	38.9798	94.0109	-522 PM		3.5	0	10.7	1	1.3	2	0.325	0	2.588	-1	7.972	-1	2289	55	2.1
13615.9	10000	38.9798	94.0101	-526 PM		3.5	0	10.0	1	1.3	2	0.350	0	2.607	-1	7.452	-1	2278	35	2.1
13616.0	10000	38.9798	94.0094	-528 PM		3.3	0	9.6	0	1.3	2	0.343	0	2.500	-1	7.293	-1	2249	44	2.1
13616.1	10000	38.9798	94.0086	-530 PM		3.0	-1	9.3	0	1.4	2	0.320	-1	2.147	-1	6.700	-2	2213	38	2.1
13616.2	10000	38.9798	94.0078	-534 PM		3.1	0	8.8	-1	1.3	2	0.357	0	2.371	-1	6.637	-2	2188	44	2.1
13616.3	10000	38.9798	94.0071	-534 PM		3.0	-1	8.6	-1	1.3	2	0.345	0	2.203	-1	6.392	-2	2179	30	2.1
13616.4	10000	38.9798	94.0063	-538 PM		2.8	-1	8.4	-1	1.3	1	0.333	0	2.180	-1	6.544	-2	2147	45	2.1
13616.5	10000	38.9798	94.0056	-540 PM		3.1	0	8.2	-1	1.2	1	0.381	0	2.518	-1	6.610	-2	2143	56	2.1
13616.6	10000	38.9798	94.0048	-542 PM		3.5	0	8.3	-1	1.2	1	0.422	1	2.890	0	6.851	-1	2148	46	2.1
13616.7	10000	38.9798	94.0040	-548 PM		3.6	1	8.3	-1	1.3	1	0.440	1	2.831	0	6.431	-2	2183	57	2.2
13616.8	10000	38.9798	94.0033	-554 PM		3.9	1	8.6	-1	1.3	1	0.449	1	3.074	0	6.850	-1	2215	36	2.2
13616.9	10000	38.9798	94.0025	-555 PM		3.9	1	8.6	-1	1.3	1	0.458	2	3.024	0	6.607	-2	2231	58	2.2
13617.0	10000	38.9798	94.0018	-555 PM		4.3	2	8.3	-1	1.3	1	0.514	2	3.283	0	6.382	-2	2231	38	2.2
13617.1	10000	38.9798	94.0010	-555 PM		4.4	2	8.2	-1	1.4	2	0.532	3	3.156	0	5.930	-2	2247	37	2.2
13617.2	10000	38.9798	94.0002	-554 PM		4.3	2	8.1	-1	1.4	2	0.533	3	2.999	0	5.626	-2	2245	50	2.2

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14436.1	10000	38.6923	95.9996	-471	PCG	2.0	-2	7.8	-2	1.4	0	0.263	-2	1.486	-2	5.640	-1	1919	46	2.0
14436.0	10000	38.8923	95.9989	-470	PCG	2.1	-2	7.9	-2	1.4	0	0.271	-1	1.534	-1	5.662	-1	1925	51	2.0
14435.9	10000	38.8923	95.9982	-470	PCG	2.2	-2	8.0	-2	1.4	1	0.274	-1	1.561	-1	5.690	-1	1939	45	2.0
14435.8	10000	38.8923	95.9974	-470	PCG	2.3	-2	8.2	-2	1.4	1	0.278	-1	1.586	-1	5.704	-1	1948	43	2.0
14435.7	10000	38.8923	95.9967	-471	PCG	2.5	-1	8.2	-2	1.5	1	0.305	-1	1.700	-1	5.574	-2	1972	44	2.0
14435.6	10000	38.8923	95.9960	-470	PCG	2.7	-1	8.2	-2	1.5	1	0.332	0	1.820	-1	5.479	-2	2025	49	2.0
14435.5	10000	38.8923	95.9953	-470	PA	2.8	0	8.4	-1	1.5	1	0.329	1	1.874	-1	5.703	-1	2064	52	1.9
14435.4	10000	38.8923	95.9946	-469	PA	2.9	0	9.0	-1	1.5	1	0.328	1	1.988	0	6.055	-1	2087	53	1.9
14435.3	10000	38.8923	95.9938	-468	PA	3.0	1	8.6	-1	1.5	2	0.351	1	1.973	0	5.624	-1	2090	40	1.9
14435.2	10000	38.8923	95.9931	-468	PA	3.1	1	7.7	-2	1.5	1	0.408	2	2.120	0	5.202	-2	2075	39	1.9
14435.1	10000	38.8923	95.9924	-467	PA	3.1	1	7.4	-2	1.5	1	0.413	2	2.083	0	5.047	-2	2069	39	1.9
14435.0	10000	38.8923	95.9917	-467	PA	3.1	1	7.4	-2	1.5	1	0.421	2	2.138	0	5.084	-2	2053	51	1.9
14434.9	10000	38.8923	95.9910	-466	PA	2.8	0	7.1	-2	1.5	1	0.398	2	1.912	0	4.802	-2	2026	37	1.9
14434.8	10000	38.8923	95.9902	-467	PA	3.2	1	7.3	-2	1.5	1	0.430	3	2.117	0	4.919	-2	2014	40	1.9
14434.7	10000	38.8923	95.9895	-466	PA	3.0	1	7.5	-2	1.5	1	0.401	2	2.057	0	5.129	-2	2012	37	1.9
14434.6	10000	38.8923	95.9888	-466	PA	2.8	0	8.0	-2	1.4	1	0.345	1	1.943	0	5.629	-1	2011	44	1.9
14434.5	10000	38.8923	95.9881	-466	PA	2.6	-1	8.6	-1	1.5	1	0.305	0	1.792	-1	5.867	-1	2029	45	1.9
14434.4	10000	38.8923	95.9874	-465	PA	2.8	0	8.8	-1	1.5	1	0.315	1	1.897	-1	6.026	-1	2052	52	1.9
14434.3	10000	38.8923	95.9866	-465	PCG	2.6	-1	9.1	0	1.5	1	0.287	-1	1.757	-1	6.122	-1	2073	56	1.9
14434.2	10000	38.8923	95.9859	-463	PCG	2.8	-1	9.5	0	1.5	1	0.291	-1	1.847	-1	6.342	-1	2089	54	1.9
14434.1	10000	38.8923	95.9852	-463	PCG	2.5	-1	9.4	0	1.5	2	0.267	-1	1.665	-1	6.226	-1	2097	40	1.8
14434.0	10000	38.8923	95.9845	-462	PCG	2.7	-1	9.2	0	1.5	2	0.295	-1	1.782	-1	6.049	-1	2100	47	1.8
14433.9	10000	38.8923	95.9837	-462	PCG	2.9	0	9.3	0	1.5	1	0.307	-1	1.925	-1	6.273	-1	2119	43	1.8
14433.8	10000	38.8923	95.9830	-462	PCG	2.9	0	9.7	1	1.4	1	0.297	-1	2.022	-1	6.805	0	2136	41	1.8
14433.7	10000	38.8923	95.9823	-462	PCG	3.0	0	9.8	1	1.4	0	0.305	-1	2.175	0	7.132	0	2147	60	1.8
14433.6	10000	38.8923	95.9816	-461	PCG	3.4	0	9.4	0	1.3	0	0.358	0	2.537	0	7.096	0	2154	44	1.8
14433.5	10000	38.8922	95.9809	-460	PCG	3.6	1	9.5	1	1.3	0	0.381	0	2.896	0	7.592	1	2152	45	1.8
14433.4	10000	38.8922	95.9801	-460	PCG	3.6	1	9.7	1	1.2	0	0.375	0	3.000	1	7.997	1	2167	52	1.8
14433.3	10000	38.8923	95.9794	-459	PCG	3.6	1	9.5	1	1.2	0	0.379	0	2.993	1	7.904	1	2172	48	1.8
14433.2	10000	38.8922	95.9787	-458	PCG	3.7	1	9.6	1	1.2	0	0.389	0	3.055	1	7.846	1	2172	52	1.8
14433.1	10000	38.8922	95.9780	-457	PCG	3.8	1	9.4	1	1.2	0	0.403	0	3.120	1	7.737	1	2153	42	1.8
14433.0	10000	38.8922	95.9772	-456	PCG	3.7	1	9.1	1	1.2	0	0.409	0	2.978	1	7.273	1	2134	47	1.8
14432.9	10000	38.8922	95.9765	-455	PCG	3.5	1	9.6	1	1.2	0	0.360	0	2.712	1	7.524	1	2131	44	1.8
14432.8	10000	38.8922	95.9758	-455	PCG	3.5	1	9.5	1	1.2	0	0.352	0	2.592	1	7.359	1	2123	48	1.8
14432.7	10000	38.8922	95.9751	-454	PCG	3.5	1	9.4	1	1.2	0	0.371	0	2.666	1	7.190	1	2115	36	1.8
14432.6	10000	38.8922	95.9744	-454	PCG	3.7	1	9.5	1	1.2	0	0.401	0	2.867	1	7.147	1	2107	48	1.8
14432.5	10000	38.8922	95.9736	-453	PCG	3.7	1	9.4	1	1.2	0	0.394	0	2.869	1	7.289	1	2096	44	1.8
14432.4	10000	38.8922	95.9729	-451	PCG	3.5	1	9.3	1	1.2	0	0.366	0	2.673	1	7.308	1	2112	63	1.8
14432.3	10000	38.8922	95.9722	-451	PCG	3.5	1	9.6	1	1.2	0	0.364	0	2.667	1	7.319	1	2114	40	1.7
14432.2	10000	38.8922	95.9715	-449	PCG	3.5	1	9.7	1	1.2	0	0.358	0	2.741	1	7.656	1	2106	42	1.7
14432.1	10000	38.8922	95.9708	-448	PCG	3.5	1	9.9	1	1.2	0	0.352	0	2.688	1	7.631	1	2099	59	1.7
14432.0	10000	38.8922	95.9700	-446	PCG	3.5	2	10.1	1	1.2	0	0.320	0	2.601	1	8.141	1	2087	47	1.7
14431.9	10000	38.8922	95.9693	-446	PA	3.5	2	10.4	2	1.2	0	0.275	0	2.348	1	8.546	1	2097	49	1.7
14431.8	10000	38.8922	95.9686	-445	PA	3.5	2	10.1	2	1.2	0	0.289	0	2.396	1	8.296	1	2117	51	1.7
14431.7	10000	38.8922	95.9679	-444	PA	3.5	2	10.4	2	1.2	0	0.329	0	2.806	1	8.527	1	2122	48	1.7
14431.6	10000	38.8922	95.9671	-442	PA	3.5	2	10.4	2	1.2	0	0.319	0	2.884	1	8.041	1	2147	47	1.7
14431.5	10000	38.8922	95.9664	-442	PA	3.5	2	10.5	2	1.2	0	0.301	0	2.887	1	8.687	1	2168	62	1.7
14431.4	10000	38.8922	95.9657	-440	PA	3.5	2	10.5	2	1.2	0	0.320	0	2.755	1	8.970	1	2186	46	1.7
14431.3	10000	38.8922	95.9650	-439	PA	3.5	2	10.5	2	1.2	0	0.322	0	2.692	1	8.406	1	2208	41	1.7
14431.2	10000	38.8922	95.9643	-437	PA	3.5	2	10.5	2	1.2	0	0.310	0	2.641	1	8.211	1	2228	42	1.7
14431.1	10000	38.8922	95.9635	-436	PA	3.5	2	10.5	2	1.2	0	0.280	0	2.465	1	7.953	1	2230	54	1.7
14431.0	10000	38.8922	95.9628	-434	PA	3.5	2	10.7	2	1.2	0	0.280	0	2.228	1	7.953	1	2235	61	1.7

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14430.9	10000	38.8922	95.9621	-434	PA	3.0	1	11.0	1	1.4	0	0.273	0	2.208	0	8.082	1	2226	49	1.7
14430.8	10000	38.8922	95.9614	-432	PA	3.1	1	10.9	1	1.3	0	0.285	0	2.317	1	8.138	1	2217	45	1.7
14430.7	10000	38.8922	95.9607	-432	PA	3.2	1	11.0	1	1.4	0	0.296	0	2.385	1	8.070	1	2215	49	1.7
14430.6	10000	38.8922	95.9599	-431	PA	2.9	0	11.0	1	1.4	0	0.262	0	2.104	0	8.022	1	2206	52	1.7
14430.5	10000	38.8922	95.9592	-429	PA	3.1	1	11.0	1	1.4	0	0.285	0	2.316	1	8.127	1	2200	34	1.7
14430.4	10000	38.8922	95.9585	-427	PA	3.2	1	11.1	1	1.3	0	0.287	0	2.387	1	8.311	1	2194	45	1.7
14430.3	10000	38.8922	95.9578	-426	PA	3.1	1	10.5	1	1.4	0	0.296	0	2.270	1	7.672	0	2196	60	1.7
14430.2	10000	38.8922	95.9570	-424	PA	3.0	1	10.2	0	1.4	0	0.296	0	2.180	0	7.374	0	2198	44	1.7
14430.1	10000	38.8921	95.9563	-421	PA	3.0	1	10.1	0	1.4	1	0.295	0	2.097	0	7.110	0	2200	45	1.7
14430.0	10000	38.8921	95.9556	-419	PA	2.8	0	9.7	0	1.4	1	0.288	0	1.960	0	6.802	0	2196	37	1.7
14429.9	10000	38.8921	95.9549	-418	PA	2.7	0	9.6	0	1.4	1	0.286	0	1.928	0	6.736	0	2182	53	1.7
14429.8	10000	38.8921	95.9542	-417	PA	2.4	-1	9.6	0	1.4	1	0.254	-1	1.706	-1	6.719	-1	2161	42	1.7
14429.7	10000	38.8921	95.9534	-416	PA	2.2	-2	9.9	0	1.4	1	0.225	-1	1.580	-2	7.013	0	2156	40	1.7
14429.6	10000	38.8921	95.9527	-414	PA	2.2	-2	10.3	0	1.4	0	0.211	-1	1.594	-2	7.542	0	2135	42	1.7
14429.5	10000	38.8921	95.9520	-412	PA	2.1	-2	10.4	0	1.3	0	0.197	-2	1.542	-2	7.833	0	2114	41	1.7
14429.4	10000	38.8921	95.9513	-410	PA	2.2	-2	10.5	1	1.3	0	0.204	-2	1.615	-1	7.902	1	2104	47	1.7
14429.3	10000	38.8921	95.9506	-408	PA	2.1	-2	11.0	1	1.3	-1	0.195	-2	1.625	-1	8.353	1	2109	47	1.7
14429.2	10000	38.8921	95.9498	-406	PA	2.5	-1	11.0	1	1.3	-1	0.229	-1	1.950	0	8.535	1	2127	46	1.7
14429.1	10000	38.8921	95.9491	-405	PA	2.6	-1	11.2	1	1.3	-1	0.229	-1	2.044	0	8.936	1	2126	54	1.7
14429.0	10000	38.8921	95.9484	-404	PA	2.6	-1	11.0	1	1.3	-1	0.238	-1	2.076	0	8.715	1	2109	45	1.7
14428.9	10000	38.8921	95.9477	-402	PA	2.5	-1	10.8	1	1.3	-1	0.234	-1	1.951	0	8.327	1	2109	45	1.7
14428.8	10000	38.8921	95.9470	-400	PA	2.6	0	10.6	1	1.3	0	0.250	-1	1.975	0	7.896	1	2109	32	1.7
14428.7	10000	38.8921	95.9462	-399	PA	2.8	0	10.3	1	1.3	0	0.273	0	2.112	0	7.739	0	2100	46	1.7
14428.6	10000	38.8921	95.9455	-396	PA	2.9	0	10.0	0	1.4	0	0.290	0	2.119	0	7.297	0	2087	45	1.7
14428.5	10000	38.8921	95.9448	-394	PA	2.5	-1	10.1	0	1.4	0	0.253	-1	1.838	-1	7.266	0	2058	52	1.7
14428.4	10000	38.8921	95.9441	-392	PA	2.4	-1	9.5	0	1.4	1	0.251	-1	1.662	-1	6.613	-1	2049	51	1.7
14428.3	10000	38.8921	95.9433	-390	PA	2.5	-1	9.0	-1	1.4	1	0.279	0	1.748	-1	6.267	-1	2046	53	1.7
14428.2	10000	38.8921	95.9426	-389	PA	2.6	-1	9.1	-1	1.4	1	0.285	0	1.821	-1	6.395	-1	2033	29	1.7
14428.1	10000	38.8921	95.9419	-387	PA	2.4	-1	9.3	-1	1.4	0	0.264	0	1.750	-1	6.641	-1	2033	45	1.7
14428.0	10000	38.8921	95.9412	-385	PA	2.4	-1	9.4	0	1.4	0	0.260	-1	1.735	-1	6.677	-1	2034	38	1.7
14427.9	10000	38.8921	95.9405	-384	PA	2.4	-1	9.4	0	1.4	0	0.250	-1	1.674	-1	6.686	-1	2035	42	1.7
14427.8	10000	38.8921	95.9397	-381	PA	2.4	-1	9.4	0	1.4	0	0.249	-1	1.695	-1	6.804	0	2063	38	1.7
14427.7	10000	38.8921	95.9390	-380	PA	2.5	-1	9.4	0	1.4	0	0.257	-1	1.817	-1	7.067	0	2079	47	1.7
14427.6	10000	38.8921	95.9383	-379	PA	2.6	-1	9.4	0	1.4	0	0.255	-1	1.908	0	7.488	0	2101	66	1.7
14427.5	10000	38.8921	95.9376	-376	PA	2.9	-1	9.4	0	1.4	0	0.284	0	2.085	0	7.353	0	2132	52	1.7
14427.4	10000	38.8921	95.9369	-375	PW	3.1	-1	9.4	0	1.4	0	0.311	0	2.226	-1	7.161	-1	2155	47	1.7
14427.3	10000	38.8921	95.9361	-373	PW	3.1	-1	9.4	0	1.4	0	0.312	0	2.245	-1	7.206	-1	2176	35	1.7
14427.2	10000	38.8921	95.9354	-372	PW	3.3	-1	9.4	0	1.4	0	0.321	0	2.279	-1	7.097	-1	2194	41	1.7
14427.1	10000	38.8920	95.9347	-371	PW	3.2	-1	9.4	0	1.4	0	0.340	0	2.333	-1	6.861	-1	2171	49	1.7
14427.0	10000	38.8920	95.9340	-368	PW	3.0	-1	9.4	0	1.4	0	0.317	0	2.170	-1	6.853	-1	2169	48	1.7
14426.9	10000	38.8920	95.9333	-367	PW	2.8	-1	9.4	0	1.5	0	0.305	0	2.041	-1	6.686	-1	2156	48	1.7
14426.8	10000	38.8920	95.9325	-365	PW	2.7	-1	9.4	0	1.5	0	0.282	-1	1.911	-1	6.785	-1	2145	51	1.7
14426.7	10000	38.8920	95.9318	-364	PW	2.5	-1	9.4	0	1.5	0	0.266	-1	1.831	-1	6.871	-1	2130	55	1.7
14426.6	10000	38.8920	95.9311	-362	PW	2.5	-1	9.4	0	1.4	-1	0.241	-1	1.709	-2	7.078	-1	2106	46	1.7
14426.5	10000	38.8920	95.9304	-361	PW	2.3	-1	9.4	0	1.4	-2	0.226	-2	1.644	-2	7.288	-1	2074	43	1.7
14426.4	10000	38.8920	95.9296	-360	PW	2.3	-1	9.4	0	1.4	-2	0.222	-2	1.669	-2	7.519	-1	2094	44	1.7
14426.3	10000	38.8920	95.9289	-358	PW	2.4	-1	9.4	0	1.3	-1	0.231	-1	1.806	-1	7.811	0	2092	57	1.7
14426.2	10000	38.8921	95.9282	-356	PW	2.5	-1	9.4	0	1.3	-1	0.233	-1	1.890	-1	8.099	0	2090	46	1.7
14426.1	10000	38.8921	95.9275	-355	PW	2.6	-1	9.4	0	1.3	-1	0.245	-1	2.019	-1	8.248	0	2094	44	1.7
14426.0	10000	38.8921	95.9267	-353	PW	2.6	-1	9.4	0	1.3	-1	0.265	-1	2.176	-1	8.201	0	2090	42	1.7
14425.9	10000	38.8921	95.9260	-352	PW	2.8	-1	9.4	0	1.3	0	0.284	0	2.266	-1	7.985	0	2096	41	1.7
14425.8	10000	38.8921	95.9252	-349	PW	3.1	-1	9.4	0	1.3	0	0.308	0	2.419	0	7.846	0	2120	46	1.7

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14425.7	10000	38.8922	95.9245	-347	PW	3.2	0	10.2	0	1.3	0	0.312	0	2.459	0	7.887	0	2110	42	1.7
14425.6	10000	38.8922	95.9238	-346	PW	3.2	1	9.8	0	1.3	1	0.331	1	2.410	0	7.286	-1	2126	54	1.7
14425.5	10000	38.8922	95.9230	-343	PW	3.3	1	10.0	0	1.4	1	0.329	1	2.385	0	7.247	-1	2127	43	1.7
14425.4	10000	38.8922	95.9223	-343	PW	3.2	0	9.8	0	1.4	1	0.323	0	2.275	0	7.033	-1	2119	49	1.7
14425.3	10000	38.8922	95.9216	-340	PW	3.1	0	9.7	0	1.4	1	0.318	0	2.187	-1	6.886	-1	2127	33	1.7
14425.2	10000	38.8923	95.9208	-338	PW	2.9	0	9.8	0	1.4	1	0.294	0	2.031	-1	6.914	-1	2121	43	1.7
14425.1	10000	38.8923	95.9201	-337	PW	2.9	0	10.2	0	1.4	1	0.289	0	2.083	-1	7.214	-1	2098	50	1.7
14425.0	10000	38.8923	95.9194	-335	PW	2.8	0	9.8	0	1.4	1	0.287	0	2.003	-1	6.984	-1	2082	37	1.7
14424.9	10000	38.8923	95.9186	-333	PW	2.5	-1	9.7	0	1.4	1	0.257	-1	1.810	-1	7.057	-1	2047	57	1.7
14424.8	10000	38.8923	95.9179	-331	PW	2.4	-1	9.3	-1	1.4	1	0.263	-1	1.786	-1	6.788	-1	2055	46	1.7
14424.7	10000	38.8924	95.9172	-329	PW	2.7	-1	9.6	0	1.4	1	0.279	0	1.949	-1	6.987	-1	2055	45	1.7
14424.6	10000	38.8924	95.9164	-327	PW	2.6	-1	9.9	0	1.3	1	0.265	-1	1.971	-1	7.432	-1	2053	42	1.8
14424.5	10000	38.8924	95.9157	-326	PW	2.7	-1	9.9	0	1.3	0	0.267	-1	2.042	-1	7.656	-1	2063	54	1.8
14424.4	10000	38.8924	95.9150	-324	PW	2.7	-1	9.9	0	1.3	1	0.272	-1	2.042	-1	7.499	-1	2081	44	1.8
14424.3	10000	38.8924	95.9142	-322	PW	2.7	-1	10.1	0	1.3	1	0.264	-1	1.987	-1	7.522	-1	2100	33	1.8
14424.2	10000	38.8924	95.9135	-320	PW	3.0	0	10.2	0	1.3	1	0.294	0	2.278	0	7.737	0	2118	63	1.8
14424.1	10000	38.8925	95.9128	-318	PW	3.2	0	10.4	1	1.3	1	0.303	0	2.414	0	7.968	0	2130	48	1.8
14424.0	10000	38.8925	95.9120	-316	PW	3.0	0	10.3	0	1.3	0	0.287	0	2.304	0	8.029	0	2143	32	1.8
14423.9	10000	38.8925	95.9113	-313	PW	3.0	0	10.0	0	1.3	0	0.301	0	2.335	0	7.763	0	2147	40	1.8
14423.8	10000	38.8925	95.9106	-311	PW	3.3	1	10.1	0	1.3	0	0.322	0	2.540	0	7.892	0	2154	52	1.8
14423.7	10000	38.8926	95.9098	-309	PW	3.1	0	9.8	0	1.3	0	0.313	0	2.396	0	7.668	0	2154	37	1.8
14423.6	10000	38.8926	95.9091	-307	PW	3.4	1	9.9	0	1.3	1	0.343	1	2.566	0	7.475	-1	2163	55	1.8
14423.5	10000	38.8926	95.9083	-306	PW	3.4	1	10.4	1	1.4	1	0.325	0	2.501	0	7.691	0	2184	44	1.8
14423.4	10000	38.8926	95.9076	-305	PW	3.3	1	10.5	1	1.4	1	0.316	0	2.403	0	7.592	-1	2190	38	1.8
14423.3	10000	38.8926	95.9069	-304	PW	3.4	1	10.4	1	1.4	1	0.332	1	2.449	0	7.377	-1	2195	37	1.8
14423.2	10000	38.8927	95.9061	-301	PW	3.5	1	10.3	0	1.4	1	0.336	1	2.445	0	7.268	-1	2212	40	1.8
14423.1	10000	38.8927	95.9054	-299	PW	3.5	1	10.3	0	1.5	2	0.345	1	2.423	0	7.019	-1	2224	48	1.8
14423.0	10000	38.8927	95.9047	-297	PW	3.7	1	10.4	0	1.4	1	0.353	1	2.567	0	7.278	-1	2234	32	1.8
14422.9	10000	38.8927	95.9039	-295	PW	3.5	1	10.3	0	1.3	1	0.325	0	2.556	0	7.856	0	2243	35	1.8
14422.8	10000	38.8927	95.9032	-295	PW	3.6	1	10.6	0	1.3	1	0.347	1	2.678	0	7.710	0	2249	48	1.8
14422.7	10000	38.8928	95.9025	-295	PW	3.5	1	9.9	0	1.3	1	0.356	1	2.724	-1	7.646	-1	2236	45	1.8
14422.6	10000	38.8928	95.9017	-292	PW	3.6	1	9.9	0	1.3	1	0.363	1	2.768	-1	7.630	-1	2234	41	1.8
14422.5	10000	38.8928	95.9010	-293	PW	3.5	1	10.1	0	1.3	1	0.349	1	2.713	0	7.772	0	2229	28	1.8
14422.4	10000	38.8928	95.9003	-291	PW	3.3	1	10.0	0	1.3	1	0.331	1	2.646	0	7.988	0	2230	52	1.8
14422.3	10000	38.8928	95.8995	-290	PW	3.5	1	10.1	0	1.3	1	0.325	0	2.750	0	8.453	0	2247	44	1.8
14422.2	10000	38.8929	95.8988	-289	PW	3.7	1	10.8	1	1.3	1	0.346	1	2.859	0	8.252	0	2251	51	1.8
14422.1	10000	38.8929	95.8981	-288	PW	3.7	1	10.6	1	1.3	1	0.353	1	2.872	0	8.131	0	2241	46	1.8
14422.0	10000	38.8929	95.8973	-287	PW	3.6	1	10.3	0	1.3	1	0.334	1	2.743	0	8.218	0	2263	42	1.8
14421.9	10000	38.8929	95.8966	-287	PW	3.6	1	10.8	1	1.3	1	0.340	1	2.798	0	8.230	0	2258	53	1.8
14421.8	10000	38.8929	95.8958	-286	PW	3.6	1	10.7	1	1.3	1	0.324	0	2.708	0	8.355	0	2249	42	1.8
14421.7	10000	38.8930	95.8951	-285	PW	3.5	1	10.8	1	1.3	1	0.323	0	2.603	0	8.057	0	2239	48	1.8
14421.6	10000	38.8930	95.8944	-283	PW	3.5	1	10.9	1	1.3	1	0.353	1	2.632	0	7.466	-1	2211	54	1.8
14421.5	10000	38.8930	95.8936	-281	PW	3.5	1	10.2	0	1.3	1	0.344	1	2.704	0	7.855	0	2176	43	1.8
14421.4	10000	38.8930	95.8929	-279	PW	3.3	1	10.4	1	1.3	1	0.317	0	2.546	0	8.030	0	2159	30	1.8
14421.3	10000	38.8930	95.8922	-276	PW	3.4	1	10.3	1	1.3	1	0.330	1	2.781	0	8.422	0	2125	40	1.8
14421.2	10000	38.8931	95.8914	-276	PW	3.5	1	10.4	1	1.3	1	0.334	1	2.898	0	8.674	0	2122	41	1.8
14421.1	10000	38.8931	95.8907	-273	PW	3.6	1	10.4	1	1.3	1	0.350	1	3.143	0	8.991	0	2112	42	1.8
14421.0	10000	38.8931	95.8900	-271	PW	3.6	1	9.9	0	1.3	1	0.363	1	3.133	0	8.629	0	2102	49	1.8
14420.9	10000	38.8931	95.8892	-269	PW	3.5	1	10.5	1	1.3	1	0.331	1	2.956	0	8.880	0	2109	44	1.8
14420.8	10000	38.8931	95.8885	-266	PW	3.2	1	10.1	1	1.3	1	0.316	0	2.624	0	8.445	0	2112	49	1.8
14420.7	10000	38.8932	95.8878	-264	PW	3.2	1	10.1	1	1.2	1	0.317	0	2.717	0	8.596	0	2109	37	1.8
14420.6	10000	38.8932	95.8870	-262	PW	3.2	1	10.1	0	1.2	0	0.317	0	2.677	0	8.448	0	2121	46	1.9

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14420.5	10000	38.8932	95.8863	-260	PW	3.0	0	10.0	0	1.2	0	0.304	0	2.516	0	8.271	0	2110	38	1.9
14420.4	10000	38.8932	95.8856	-257	PW	2.9	0	9.9	0	1.2	0	0.295	0	2.425	0	8.232	0	2099	34	1.9
14420.3	10000	38.8932	95.8848	-255	PW	2.9	0	10.1	0	1.2	0	0.290	0	2.482	0	8.571	0	2085	45	1.9
14420.2	10000	38.8933	95.8841	-253	PW	2.5	-1	10.2	0	1.2	0	0.251	-1	2.165	-1	8.629	0	2071	46	1.9
14420.1	10000	38.8933	95.8833	-251	PW	2.9	0	10.1	0	1.2	0	0.287	0	2.478	0	8.636	0	2078	48	1.9
14420.0	10000	38.8933	95.8826	-251	PW	2.9	0	10.1	0	1.2	0	0.290	0	2.499	0	8.617	0	2089	52	1.9
14419.9	10000	38.8933	95.8819	-250	PW	2.7	-1	10.0	0	1.2	0	0.272	-1	2.336	0	8.598	0	2066	44	1.9
14419.8	10000	38.8933	95.8811	-247	PW	2.9	0	10.5	1	1.1	0	0.273	-1	2.493	0	9.130	1	2072	43	1.9
14419.7	10000	38.8934	95.8804	-247	PW	2.9	0	10.4	1	1.1	-1	0.279	0	2.565	0	9.192	1	2081	40	1.9
14419.6	10000	38.8934	95.8797	-246	PW	3.0	0	10.6	1	1.1	-1	0.287	0	2.782	1	9.679	2	2092	44	1.9
14419.5	10000	38.8934	95.8789	-245	PW	3.4	1	10.7	1	1.1	-1	0.313	0	3.124	1	9.991	2	2092	39	1.9
14419.4	10000	38.8934	95.8782	-245	PW	3.2	1	10.7	1	1.1	-1	0.303	0	2.936	1	9.703	2	2097	52	1.9
14419.3	10000	38.8934	95.8775	-245	PW	3.3	1	10.7	1	1.1	-1	0.313	0	3.081	1	9.848	2	2104	34	1.9
14419.2	10000	38.8935	95.8767	-245	PW	3.6	1	10.8	1	1.1	-1	0.332	1	3.264	2	9.828	2	2114	55	1.9
14419.1	10000	38.8935	95.8760	-245	PW	3.2	1	10.3	0	1.1	-1	0.322	0	2.995	1	9.289	1	2079	37	1.9
14419.0	10000	38.8935	95.8753	-245	PW	3.2	0	9.9	0	1.1	-1	0.319	0	2.869	1	8.985	1	2045	51	1.9
14418.9	10000	38.8935	95.8745	-246	PW	3.1	0	9.6	0	1.1	-1	0.319	0	2.902	1	9.106	1	2002	39	1.9
14418.8	10000	38.8935	95.8738	-246	PW	3.2	0	9.1	-1	1.1	-1	0.350	1	2.983	1	8.522	0	1983	54	1.9
14418.7	10000	38.8936	95.8731	-245	PW	3.1	0	9.2	-1	1.0	-1	0.341	1	3.038	1	8.906	1	1961	53	1.9
14418.6	10000	38.8936	95.8723	-246	PW	2.9	0	9.1	-1	1.0	-1	0.320	0	2.780	1	8.691	1	1934	48	1.9
14418.5	10000	38.8936	95.8716	-246	PW	2.5	-1	9.3	-1	1.1	-1	0.268	-1	2.291	0	8.536	0	1934	54	1.9
14418.4	10000	38.8936	95.8708	-247	PW	2.3	-1	9.7	0	1.2	0	0.239	-1	1.981	-1	8.303	0	1971	46	1.9
14418.3	10000	38.8936	95.8701	-249	PW	2.4	-1	10.4	1	1.2	0	0.229	-1	2.036	-1	8.890	1	2011	48	1.9
14418.2	10000	38.8937	95.8694	-249	PW	2.3	-1	10.8	1	1.3	0	0.216	-2	1.873	-1	8.661	1	2053	41	1.9
14418.1	10000	38.8937	95.8686	-250	PW	2.1	-2	11.1	1	1.3	0	0.191	-2	1.665	-2	8.698	1	2083	47	1.9
14418.0	10000	38.8937	95.8679	-250	PW	2.2	-2	11.0	1	1.3	1	0.197	-2	1.653	-2	8.373	0	2113	43	1.9
14417.9	10000	38.8937	95.8672	-251	PW	2.5	-1	10.8	1	1.3	1	0.228	-2	1.865	-1	8.187	0	2134	47	1.9
14417.8	10000	38.8937	95.8664	-252	PW	2.7	-1	10.6	1	1.3	1	0.254	-2	2.168	-1	8.524	0	2152	45	1.9
14417.7	10000	38.8938	95.8657	-252	PW	2.9	0	10.3	1	1.3	1	0.274	-1	2.420	0	8.843	1	2145	44	1.9
14417.6	10000	38.8938	95.8650	-253	PW	2.9	0	10.2	1	1.3	1	0.296	-1	2.445	0	8.274	0	2142	43	1.9
14417.5	10000	38.8938	95.8642	-254	PW	2.9	0	10.3	1	1.3	1	0.287	-1	2.310	0	8.043	0	2144	70	1.9
14417.4	10000	38.8938	95.8635	-255	PW	2.9	0	10.3	1	1.3	1	0.297	-1	2.357	0	7.946	0	2149	55	1.9
14417.3	10000	38.8938	95.8628	-257	PW	2.9	0	10.3	1	1.3	1	0.289	-1	2.294	0	7.926	0	2134	52	1.9
14417.2	10000	38.8939	95.8620	-258	PW	2.9	0	10.4	1	1.3	1	0.268	-1	2.141	-1	7.992	0	2132	56	1.9
14417.1	10000	38.8939	95.8613	-259	PW	2.9	0	10.2	1	1.3	1	0.294	-1	2.224	-1	7.556	-1	2118	35	1.9
14417.0	10000	38.8939	95.8605	-260	PW	2.9	0	10.3	1	1.3	1	0.289	-1	2.202	-1	7.608	-1	2117	40	1.9
14416.9	10000	38.8939	95.8598	-261	PW	2.9	0	10.4	1	1.3	1	0.285	-1	2.079	-1	7.286	-1	2107	40	1.9
14416.8	10000	38.8939	95.8591	-264	PW	2.9	0	10.7	1	1.3	1	0.308	-1	2.240	-1	7.274	-1	2086	42	1.9
14416.7	10000	38.8940	95.8584	-264	PW	2.9	0	10.7	1	1.3	1	0.308	-1	2.258	-1	7.329	-1	2072	40	1.9
14416.6	10000	38.8940	95.8576	-265	PW	2.9	0	10.7	1	1.3	1	0.326	-1	2.339	-1	7.178	-1	2063	52	1.9
14416.5	10000	38.8940	95.8569	-267	PW	2.9	0	10.8	1	1.3	1	0.349	-1	2.353	-1	6.741	-2	2046	48	1.9
14416.4	10000	38.8940	95.8561	-268	PW	2.9	0	10.8	1	1.3	1	0.326	-1	2.165	-1	6.641	-2	2041	48	1.9
14416.3	10000	38.8940	95.8554	-269	PW	2.9	0	10.8	1	1.4	1	0.327	-1	2.151	-1	6.540	-2	2029	49	1.9
14416.2	10000	38.8941	95.8547	-270	PW	2.9	0	10.8	1	1.4	1	0.327	-1	2.117	-1	6.478	-2	2032	33	1.9
14416.1	10000	38.8941	95.8539	-271	PW	2.9	0	10.8	1	1.4	1	0.327	-1	2.076	-1	6.471	-2	2029	54	1.9
14416.0	10000	38.8941	95.8532	-273	PW	2.9	0	10.8	1	1.4	1	0.309	-1	2.123	-1	6.495	-2	2034	46	1.9
14415.9	10000	38.8941	95.8525	-273	PW	2.9	0	10.8	1	1.4	1	0.254	-1	2.031	-1	6.576	-2	2042	44	1.9
14415.8	10000	38.8941	95.8517	-274	PW	2.9	0	10.8	1	1.4	1	0.235	-1	1.843	-1	7.262	-1	2055	47	1.9
14415.7	10000	38.8941	95.8510	-274	PW	2.9	0	10.7	1	1.4	1	0.254	-1	1.752	-1	7.468	-1	2069	42	1.9
14415.6	10000	38.8942	95.8503	-274	PW	2.9	0	10.8	1	1.4	1	0.290	-1	1.952	-1	7.677	-1	2085	47	1.9
14415.5	10000	38.8942	95.8495	-274	PW	2.9	0	10.8	1	1.4	1	0.277	-1	2.293	-1	7.904	-1	2090	41	1.9
14415.4	10000	38.8942	95.8488	-272	PW	2.9	0	10.5	1	1.3	1	0.277	-1	2.195	-1	7.939	-1	2110	42	1.9

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14415.3	10000	38.8942	95.8481	-272	PW	3.0	0	10.7	1	1.3	1	0.277	-1	2.259	0	8.167	0	2114	47	1.8
14415.2	10000	38.8943	95.8473	-271	PW	3.1	0	11.0	1	1.3	1	0.286	0	2.401	0	8.407	0	2126	58	1.8
14415.1	10000	38.8943	95.8466	-269	PW	3.5	1	10.4	1	1.3	1	0.337	1	2.682	0	7.963	0	2127	38	1.8
14415.0	10000	38.8943	95.8459	-267	PW	3.6	1	9.9	0	1.3	0	0.368	1	2.867	1	7.792	0	2117	45	1.8
14414.9	10000	38.8943	95.8451	-265	PW	3.5	1	10.0	0	1.3	1	0.348	1	2.663	0	7.643	-1	2124	41	1.8
14414.8	10000	38.8943	95.8444	-263	PW	3.3	1	10.1	0	1.3	1	0.324	0	2.450	0	7.551	-1	2128	42	1.8
14414.7	10000	38.8944	95.8436	-261	PW	3.3	1	9.9	0	1.3	1	0.333	0	2.514	0	7.553	-1	2134	47	1.8
14414.6	10000	38.8944	95.8429	-258	PW	3.2	1	9.9	0	1.4	1	0.326	1	2.380	0	7.294	-1	2157	51	1.8
14414.5	10000	38.8944	95.8422	-255	PW	3.2	0	9.8	0	1.3	1	0.327	1	2.443	0	7.481	-1	2164	35	1.8
14414.4	10000	38.8944	95.8414	-252	QAL	3.5	1	10.1	1	1.3	1	0.349	0	2.760	0	7.905	0	2171	44	1.8
14414.3	10000	38.8944	95.8407	-248	QAL	3.5	1	10.4	1	1.3	1	0.340	0	2.671	0	7.850	0	2189	59	1.7
14414.2	10000	38.8944	95.8400	-244	QAL	3.6	1	10.2	1	1.3	1	0.354	0	2.762	0	7.794	0	2175	40	1.7
14414.1	10000	38.8945	95.8392	-241	QAL	3.7	1	10.1	1	1.3	1	0.371	1	2.931	1	7.893	0	2180	44	1.7
14414.0	10000	38.8945	95.8385	-238	QAL	3.6	1	10.2	1	1.3	0	0.357	0	2.864	0	8.020	0	2194	57	1.7
14413.9	10000	38.8945	95.8378	-234	QAL	3.7	1	10.2	1	1.3	0	0.358	0	2.851	0	7.967	0	2157	52	1.7
14413.8	10000	38.8945	95.8370	-229	QAL	3.6	1	9.9	1	1.3	0	0.359	0	2.704	0	7.535	0	2134	54	1.7
14413.7	10000	38.8946	95.8363	-223	QAL	3.0	0	9.8	0	1.4	0	0.310	0	2.199	-1	7.098	0	2122	45	1.7
14413.6	10000	38.8946	95.8356	-219	QAL	3.1	0	10.1	0	1.3	0	0.305	0	2.304	0	7.556	0	2120	44	1.7
14413.5	10000	38.8946	95.8348	-217	QAL	3.1	0	9.9	1	1.4	0	0.318	0	2.314	0	7.274	0	2131	45	1.7
14413.4	10000	38.8946	95.8341	-216	QAL	3.2	0	10.0	1	1.4	1	0.318	0	2.286	0	7.200	0	2143	38	1.7
14413.3	10000	38.8946	95.8334	-214	QAL	3.5	1	10.1	1	1.4	1	0.344	0	2.435	0	7.089	0	2154	40	1.7
14413.2	10000	38.8946	95.8326	-210	QAL	3.7	1	9.9	1	1.4	1	0.371	1	2.643	0	7.117	0	2193	54	1.7
14413.1	10000	38.8947	95.8319	-206	QAL	4.0	2	10.1	1	1.4	1	0.391	1	2.853	0	7.302	0	2235	45	1.7
14413.0	10000	38.8947	95.8311	-202	QAL	4.2	2	10.3	1	1.4	0	0.409	1	3.092	1	7.558	0	2258	27	1.7
14412.9	10000	38.8947	95.8304	-200	QAL	4.0	2	9.8	0	1.4	1	0.411	1	2.899	1	7.058	0	2278	45	1.7
14412.8	10000	38.8947	95.8297	-197	QAL	4.0	2	10.6	1	1.5	1	0.381	1	2.755	0	7.234	0	2315	52	1.7
14412.7	10000	38.8947	95.8289	-194	QAL	3.9	2	10.6	1	1.5	1	0.367	1	2.570	0	7.009	0	2329	37	1.7
14412.6	10000	38.8948	95.8282	-192	QAL	3.8	2	10.3	1	1.5	1	0.366	1	2.569	0	7.025	0	2309	40	1.7
14412.5	10000	38.8948	95.8275	-189	QAL	3.9	2	10.6	1	1.5	1	0.365	1	2.578	0	7.068	0	2316	45	1.7
14412.4	10000	38.8948	95.8267	-185	QAL	3.7	2	10.6	1	1.5	1	0.343	1	2.511	0	7.318	0	2301	50	1.7
14412.3	10000	38.8948	95.8260	-183	QAL	3.8	2	10.8	1	1.5	1	0.349	1	2.555	0	7.312	0	2301	48	1.6
14412.2	10000	38.8948	95.8253	-180	QAL	4.1	2	10.8	1	1.4	1	0.379	1	2.894	0	7.631	0	2287	40	1.6
14412.1	10000	38.8949	95.8245	-177	QAL	4.2	2	10.9	1	1.4	1	0.396	1	3.105	0	7.847	0	2260	46	1.6
14412.0	10000	38.8949	95.8238	-175	QAL	4.2	2	10.8	1	1.3	1	0.385	1	3.296	0	8.559	0	2246	39	1.6
14411.9	10000	38.8949	95.8231	-172	QAL	4.3	2	10.8	1	1.3	1	0.400	1	3.384	0	8.468	0	2247	40	1.6
14411.8	10000	38.8949	95.8223	-170	QAL	4.0	2	10.6	1	1.3	1	0.375	1	3.186	0	8.498	0	2211	41	1.6
14411.7	10000	38.8949	95.8216	-168	QAL	3.9	2	10.6	1	1.3	1	0.384	1	3.068	0	7.986	0	2180	52	1.6
14411.6	10000	38.8950	95.8209	-164	QAL	3.9	2	10.6	1	1.3	1	0.405	1	3.096	0	7.636	0	2141	55	1.6
14411.5	10000	38.8950	95.8201	-161	QAL	3.7	2	10.5	1	1.3	1	0.413	1	2.983	0	7.224	0	2095	58	1.6
14411.4	10000	38.8950	95.8194	-157	QAL	3.6	2	10.2	1	1.3	1	0.408	1	2.875	0	7.050	0	2059	54	1.6
14411.3	10000	38.8950	95.8186	-154	QAL	3.4	2	10.1	1	1.3	1	0.413	1	2.814	0	6.809	-1	2020	46	1.6
14411.2	10000	38.8950	95.8179	-151	QAL	3.3	2	9.9	1	1.3	1	0.408	1	2.759	0	6.761	-1	1999	44	1.6
14411.1	10000	38.8951	95.8172	-147	QAL	3.6	2	10.1	1	1.3	1	0.483	1	2.977	0	6.169	-1	1990	40	1.6
14411.0	10000	38.8951	95.8165	-145	QAL	3.5	2	10.1	1	1.3	1	0.462	1	2.918	0	6.323	-1	1996	58	1.6
14410.9	10000	38.8951	95.8157	-144	QAL	3.3	2	9.9	1	1.3	1	0.409	1	2.676	0	6.556	-1	2014	40	1.6
14410.8	10000	38.8951	95.8150	-142	QAL	3.5	2	10.1	1	1.3	1	0.382	1	2.568	0	6.726	-1	2034	43	1.6
14410.7	10000	38.8951	95.8142	-140	QAL	3.5	2	10.1	1	1.3	1	0.394	1	2.703	0	6.848	-1	2050	38	1.6
14410.6	10000	38.8952	95.8135	-138	QAL	3.5	2	10.1	1	1.3	1	0.394	1	2.703	0	6.767	-1	2072	33	1.6
14410.5	10000	38.8952	95.8128	-137	QAL	3.2	2	9.9	1	1.3	1	0.321	1	2.591	0	6.577	-1	2102	44	1.6
14410.4	10000	38.8952	95.8120	-136	QAL	3.2	2	9.9	1	1.3	1	0.329	1	2.589	0	6.959	-1	2117	47	1.6
14410.3	10000	38.8952	95.8113	-135	QAL	3.2	2	9.9	1	1.3	1	0.329	1	2.589	0	6.959	-1	2117	45	1.6
14410.2	10000	38.8952	95.8106	-133	QAL	3.2	2	9.9	1	1.4	1	0.340	1	2.589	0	6.761	-1	2124	55	1.5

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14410.1	10000	38.8953	95.8098	-134	QAL	3.1	0	9.2	0	1.4	1	0.341	0	2.266	0	6.637	-1	2119	59	1.5
14410.0	10000	38.8953	95.8091	-133	QAL	3.0	0	8.8	0	1.4	1	0.346	0	2.106	-1	6.084	-1	2134	47	1.5
14409.9	10000	38.8953	95.8084	-133	QAL	3.1	0	9.1	0	1.4	1	0.343	0	2.217	0	6.465	-1	2136	46	1.5
14409.8	10000	38.8953	95.8076	-132	QAL	3.0	0	9.2	0	1.4	1	0.320	0	2.128	-1	6.657	-1	2120	47	1.5
14409.7	10000	38.8953	95.8068	-132	QAL	3.3	0	9.2	0	1.4	1	0.355	0	2.399	0	6.763	-1	2135	52	1.5
14409.6	10000	38.8953	95.8060	-131	QAL	3.5	1	9.5	0	1.3	0	0.373	1	2.636	0	7.060	0	2150	43	1.5
14409.5	10000	38.8953	95.8052	-130	QAL	3.7	1	10.0	1	1.3	0	0.370	1	2.764	0	7.475	0	2157	57	1.5
14409.4	10000	38.8953	95.8044	-129	QAL	3.7	1	10.4	1	1.3	0	0.354	0	2.742	0	7.741	0	2197	46	1.5
14409.3	10000	38.8953	95.8036	-128	QAL	3.6	1	11.1	1	1.3	0	0.323	0	2.773	0	8.576	1	2201	34	1.5
14409.2	10000	38.8953	95.8029	-126	QAL	3.5	1	11.1	1	1.3	0	0.318	0	2.686	0	8.453	1	2219	66	1.5
14409.1	10000	38.8953	95.8020	-126	QAL	3.8	1	11.3	2	1.3	0	0.332	0	2.941	1	8.846	1	2237	44	1.5
14409.0	10000	38.8953	95.8013	-126	QAL	3.8	1	11.0	1	1.3	0	0.344	0	2.986	1	8.676	1	2236	44	1.5
14408.9	10000	38.8952	95.8005	-125	QAL	3.6	1	10.9	1	1.3	0	0.326	0	2.758	0	8.462	1	2244	57	1.5
14408.8	10000	38.8952	95.7997	-123	QAL	3.5	1	10.4	1	1.3	0	0.334	0	2.683	0	8.030	0	2242	52	1.5
14408.7	10000	38.8952	95.7989	-122	QAL	3.5	1	10.2	1	1.3	0	0.344	0	2.621	0	7.619	0	2232	54	1.5
14408.6	10000	38.8952	95.7981	-120	QAL	3.3	0	9.7	0	1.4	1	0.340	0	2.442	0	7.175	0	2237	45	1.5
14408.5	10000	38.8952	95.7973	-120	QAL	3.2	0	9.7	0	1.4	1	0.328	0	2.311	0	7.055	0	2219	42	1.5
14408.4	10000	38.8952	95.7965	-116	QAL	3.1	0	9.7	0	1.4	1	0.320	0	2.217	0	6.926	0	2204	38	1.5
14408.3	10000	38.8952	95.7957	-116	QAL	3.1	0	9.8	0	1.4	1	0.320	0	2.249	0	7.033	0	2213	52	1.5
14408.2	10000	38.8952	95.7949	-114	QAL	3.2	0	10.2	1	1.3	0	0.310	0	2.395	0	7.734	0	2208	50	1.5
14408.1	10000	38.8952	95.7941	-112	QAL	3.0	0	10.3	1	1.3	0	0.289	-1	2.319	0	8.035	0	2202	39	1.5
14408.0	10000	38.8952	95.7933	-110	QAL	3.2	0	10.8	1	1.2	0	0.297	-1	2.656	0	8.932	1	2185	50	1.5
14407.9	10000	38.8952	95.7925	-108	QAL	3.5	1	11.1	1	1.2	0	0.314	0	2.903	1	9.259	1	2171	54	1.5
14407.8	10000	38.8952	95.7917	-105	QAL	3.7	1	11.2	2	1.2	0	0.328	0	3.080	1	9.399	1	2167	49	1.5
14407.7	10000	38.8952	95.7909	-102	QAL	3.7	1	10.8	1	1.2	0	0.343	0	3.116	1	9.076	1	2154	49	1.5
14407.6	10000	38.8951	95.7901	-100	QAL	3.6	1	10.4	1	1.2	0	0.345	0	2.983	1	8.645	1	2124	57	1.5
14407.5	10000	38.8951	95.7893	-98	QAL	3.6	1	10.3	1	1.2	0	0.354	0	2.986	1	8.433	1	2118	34	1.5
14407.4	10000	38.8951	95.7885	-95	QAL	3.8	1	10.4	1	1.3	0	0.365	0	2.989	1	8.200	0	2115	46	1.5
14407.3	10000	38.8951	95.7877	-91	QAL	3.6	1	10.5	1	1.3	0	0.340	0	2.640	0	7.759	0	2132	38	1.5
14407.2	10000	38.8951	95.7869	-86	QAL	3.5	1	10.3	1	1.3	0	0.342	0	2.673	0	7.812	0	2143	44	1.5
14407.1	10000	38.8951	95.7861	-81	QAL	3.2	1	10.0	1	1.4	0	0.317	0	2.341	0	7.396	0	2157	53	1.5
14407.0	10000	38.8951	95.7853	-76	QAL	3.2	1	10.4	1	1.4	0	0.308	0	2.372	0	7.704	0	2178	50	1.5
14406.9	10000	38.8951	95.7845	-72	QAL	3.1	1	10.9	1	1.4	0	0.287	0	2.321	0	8.087	0	2188	54	1.5
14406.8	10000	38.8951	95.7838	-67	QAL	3.0	1	10.8	1	1.4	0	0.268	0	2.116	0	7.905	0	2187	51	1.5
14406.7	10000	38.8951	95.7830	-60	QAL	3.0	1	10.7	1	1.4	0	0.277	0	2.168	0	7.828	0	2197	46	1.5
14406.6	10000	38.8951	95.7822	-54	QAL	2.7	1	10.9	1	1.3	0	0.248	0	2.199	0	7.958	0	2187	54	1.5
14406.5	10000	38.8951	95.7814	-47	QAL	3.0	1	10.8	1	1.3	0	0.271	0	2.006	0	7.090	0	2165	30	1.5
14406.4	10000	38.8951	95.7806	-39	QAL	3.0	1	10.8	1	1.3	0	0.274	0	2.255	0	7.306	0	2164	39	1.5
14406.3	10000	38.8950	95.7798	-33	QAL	3.0	1	10.8	1	1.3	0	0.276	0	2.318	0	7.472	0	2150	43	1.5
14406.2	10000	38.8950	95.7790	-26	QAL	3.0	1	10.8	1	1.3	0	0.276	0	2.345	0	7.507	0	2137	47	1.5
14406.1	10000	38.8950	95.7782	-19	QAL	3.0	1	10.8	1	1.3	0	0.277	0	2.380	0	7.592	0	2133	50	1.5
14406.0	10000	38.8950	95.7774	-9	PW	3.0	1	10.8	1	1.3	0	0.277	0	2.405	0	7.630	0	2128	50	1.5
14405.9	10000	38.8950	95.7766	-2	PW	3.0	1	10.8	1	1.3	0	0.277	0	2.405	0	7.714	0	2124	57	1.5
14405.8	10000	38.8950	95.7758	6	PW	3.0	1	10.8	1	1.3	0	0.277	0	2.405	0	7.722	0	2139	54	1.5
14405.7	10000	38.8950	95.7750	12	PW	3.0	1	10.8	1	1.3	0	0.277	0	2.405	0	7.745	0	2136	54	1.5
14405.6	10000	38.8950	95.7742	17	PW	3.0	1	10.8	1	1.3	0	0.277	0	2.405	0	7.901	0	2142	55	1.5
14405.5	10000	38.8950	95.7734	23	PW	3.0	1	10.8	1	1.3	0	0.277	0	2.405	0	7.912	0	2171	55	1.5
14405.4	10000	38.8950	95.7726	29	PW	3.0	1	10.8	1	1.3	0	0.277	0	2.405	0	7.044	0	2175	55	1.5
14405.3	10000	38.8950	95.7718	34	PW	3.0	1	10.8	1	1.3	0	0.277	0	2.405	0	7.181	0	2185	55	1.5
14405.2	10000	38.8949	95.7710	40	PW	3.0	1	10.8	1	1.3	0	0.277	0	2.405	0	7.635	0	2190	55	1.5
14405.1	10000	38.8949	95.7702	43	PW	3.0	1	10.8	1	1.3	0	0.277	0	2.405	0	7.991	0	2183	55	1.5
14405.0	10000	38.8949	95.7694	45	PW	3.0	1	10.8	1	1.3	0	0.277	0	2.405	0	8.271	0	2183	55	1.5

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14404.9	10000	38.8949	95.7686	46	PW	3.4	1	10.3	0	1.3	0	0.329	1	2.676	0	8.142	0	2179	51	1.5
14404.8	10000	38.8949	95.7678	47	PW	3.2	0	9.9	0	1.3	0	0.318	0	2.461	0	7.731	0	2170	50	1.5
14404.7	10000	38.8949	95.7670	47	PW	3.1	0	10.0	0	1.3	0	0.306	0	2.379	0	7.765	0	2171	49	1.5
14404.6	10000	38.8949	95.7663	48	PW	3.0	0	9.9	0	1.3	0	0.309	0	2.373	0	7.669	0	2168	49	1.5
14404.5	10000	38.8949	95.7655	48	PW	3.1	0	10.0	0	1.3	0	0.313	0	2.450	0	7.836	0	2166	46	1.5
14404.4	10000	38.8949	95.7646	47	PW	3.2	1	10.1	0	1.3	0	0.318	0	2.526	0	7.931	0	2154	43	1.5
14404.3	10000	38.8949	95.7639	45	PW	3.4	1	10.7	1	1.3	0	0.313	0	2.605	0	8.313	0	2165	47	1.5
14404.2	10000	38.8949	95.7631	42	PW	3.5	1	11.0	1	1.3	1	0.321	0	2.684	0	8.352	0	2175	57	1.5
14404.1	10000	38.8948	95.7623	40	PW	3.5	1	11.4	2	1.3	1	0.307	0	2.673	0	8.700	1	2176	39	1.5
14404.0	10000	38.8948	95.7615	37	PW	3.8	2	11.5	2	1.3	1	0.328	1	2.858	1	8.700	1	2188	54	1.5
14403.9	10000	38.8948	95.7607	35	PW	3.9	2	11.4	2	1.3	1	0.343	1	2.965	1	8.636	0	2196	43	1.5
14403.8	10000	38.8948	95.7599	33	PW	3.9	2	11.0	1	1.3	1	0.355	1	2.931	1	8.267	0	2205	45	1.5
14403.7	10000	38.8948	95.7591	31	PW	4.0	2	10.8	1	1.4	1	0.372	1	2.916	1	7.844	0	2223	52	1.5
14403.6	10000	38.8948	95.7583	30	PW	3.9	2	10.3	0	1.3	1	0.378	2	2.903	1	7.687	0	2213	48	1.5
14403.5	10000	38.8948	95.7575	28	PW	3.7	2	10.4	1	1.3	1	0.359	1	2.794	1	7.780	0	2202	42	1.5
14403.4	10000	38.8948	95.7567	25	PW	3.9	2	10.2	0	1.4	1	0.380	2	2.843	1	7.476	-1	2207	52	1.5
14403.3	10000	38.8948	95.7559	23	PW	3.5	1	10.1	0	1.3	1	0.345	1	2.595	0	7.526	-1	2195	36	1.5
14403.2	10000	38.8948	95.7551	21	PW	3.2	1	10.8	1	1.3	1	0.297	0	2.392	0	8.046	0	2197	52	1.5
14403.1	10000	38.8948	95.7543	20	PW	3.2	0	10.9	1	1.4	1	0.291	0	2.271	0	7.815	0	2214	54	1.5
14403.0	10000	38.8948	95.7535	19	PW	2.9	0	11.1	1	1.4	1	0.258	-1	2.031	-1	7.879	0	2221	60	1.5
14402.9	10000	38.8948	95.7527	20	PW	2.7	-1	11.2	1	1.5	2	0.243	-1	1.844	-1	7.579	-1	2240	40	1.5
14402.8	10000	38.8947	95.7519	19	PW	2.8	0	11.2	1	1.5	1	0.251	-1	1.931	-1	7.688	0	2264	40	1.5
14402.7	10000	38.8947	95.7511	18	PW	2.8	0	11.3	2	1.4	1	0.245	-1	1.999	-1	8.166	0	2270	44	1.5
14402.6	10000	38.8947	95.7503	16	PW	3.1	0	11.4	2	1.4	1	0.275	-1	2.215	-1	8.056	0	2276	48	1.5
14402.5	10000	38.8947	95.7495	15	PW	3.3	1	11.1	1	1.4	1	0.297	0	2.343	0	7.901	0	2266	46	1.5
14402.4	10000	38.8947	95.7487	15	PW	3.4	1	11.4	2	1.4	1	0.292	0	2.450	0	8.383	0	2263	50	1.5
14402.3	10000	38.8947	95.7479	14	PW	3.5	1	11.5	2	1.4	1	0.310	0	2.606	0	8.408	0	2264	42	1.5
14402.2	10000	38.8947	95.7471	14	PW	3.5	1	11.5	2	1.4	1	0.325	0	2.695	0	8.286	0	2252	45	1.5
14402.1	10000	38.8947	95.7464	13	PW	3.5	1	11.0	2	1.4	1	0.339	0	2.738	0	8.073	0	2232	45	1.5
14402.0	10000	38.8947	95.7456	12	PW	3.4	1	10.6	1	1.3	1	0.350	0	2.775	0	7.931	0	2219	43	1.5
14401.9	10000	38.8947	95.7448	11	PW	3.4	1	10.5	1	1.4	1	0.342	0	2.640	0	7.716	0	2213	50	1.5
14401.8	10000	38.8947	95.7440	10	PW	3.3	1	10.6	1	1.4	1	0.339	0	2.607	0	7.686	0	2209	39	1.5
14401.7	10000	38.8947	95.7432	8	PW	3.3	1	10.3	1	1.4	1	0.345	0	2.517	0	7.288	0	2204	42	1.5
14401.6	10000	38.8946	95.7424	7	PW	3.4	1	10.5	1	1.4	1	0.334	0	2.485	0	7.267	0	2190	44	1.5
14401.5	10000	38.8946	95.7416	6	PW	3.5	1	10.5	1	1.4	1	0.335	0	2.505	0	7.476	0	2201	39	1.5
14401.4	10000	38.8946	95.7408	5	PW	3.5	1	10.5	1	1.4	1	0.330	0	2.269	0	7.437	0	2217	51	1.5
14401.3	10000	38.8946	95.7400	4	PW	3.5	1	10.4	1	1.5	1	0.329	0	2.214	0	7.545	0	2218	59	1.5
14401.2	10000	38.8946	95.7392	4	PW	3.5	1	10.6	1	1.5	1	0.328	0	2.274	0	7.791	0	2233	39	1.5
14401.1	10000	38.8946	95.7384	4	PW	3.5	1	10.6	1	1.5	1	0.328	0	2.261	0	7.815	0	2258	49	1.5
14401.0	10000	38.8946	95.7376	4	PW	3.5	1	10.8	1	1.5	1	0.324	0	2.335	0	8.104	0	2264	54	1.5
14400.9	10000	38.8946	95.7368	4	PW	3.5	1	10.7	1	1.5	1	0.328	0	2.728	0	8.499	0	2269	47	1.5
14400.8	10000	38.8946	95.7360	4	QAL	3.4	1	10.7	1	1.5	1	0.321	0	2.956	0	8.942	0	2279	45	1.6
14400.7	10000	38.8946	95.7352	4	QAL	3.4	1	10.4	1	1.5	1	0.331	0	2.955	0	8.436	0	2281	45	1.6
14400.6	10000	38.8946	95.7344	4	QAL	3.4	1	10.2	1	1.5	1	0.360	0	3.053	0	8.033	0	2299	55	1.6
14400.5	10000	38.8946	95.7336	4	QAL	3.4	1	10.0	1	1.5	1	0.371	0	3.086	0	7.920	0	2313	44	1.6
14400.4	10000	38.8945	95.7328	4	QAL	3.4	1	10.0	1	1.5	1	0.386	0	3.145	0	7.907	0	2299	51	1.6
14400.3	10000	38.8945	95.7320	4	QAL	3.4	1	10.0	1	1.5	1	0.396	0	3.225	0	7.926	0	2281	51	1.6
14400.2	10000	38.8945	95.7312	4	QAL	3.4	1	10.0	1	1.5	1	0.370	0	3.092	0	7.546	0	2262	43	1.6
14400.1	10000	38.8945	95.7304	4	QAL	3.4	1	10.0	1	1.5	1	0.392	0	3.268	0	7.088	0	2245	44	1.6
14400.0	10000	38.8945	95.7296	4	QAL	3.4	1	10.0	1	1.5	1	0.368	0	3.415	0	7.060	0	2208	43	1.6
14399.9	10000	38.8945	95.7289	4	QAL	3.4	1	10.0	1	1.5	1	0.415	0	3.349	0	8.076	0	2178	48	1.6
14399.8	10000	38.8945	95.7281	2	QAL	4.3	2	10.1	1	1.2	0	0.428	1	3.458	0	8.076	0	2141	39	1.6

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14399.7	10000	38.8945	95.7273	3	QAL	4.0	2	9.7	0	1.2	0	0.415	1	3.376	1	8.144	0	2109	39	1.6
14399.6	10000	38.8945	95.7265	3	QAL	4.3	2	9.5	0	1.2	0	0.455	2	3.600	2	7.920	0	2094	48	1.6
14399.5	10000	38.8945	95.7257	2	QAL	4.4	3	9.3	0	1.1	0	0.480	2	3.874	2	8.074	0	2091	55	1.6
14399.4	10000	38.8944	95.7249	2	QAL	4.0	2	9.0	0	1.1	0	0.442	2	3.472	1	7.858	0	2075	43	1.6
14399.3	10000	38.8944	95.7241	1	QAL	4.1	2	9.2	0	1.1	0	0.450	2	3.656	2	8.123	0	2096	48	1.6
14399.2	10000	38.8944	95.7233	1	QAL	3.7	1	9.7	0	1.2	0	0.384	1	3.195	1	8.311	0	2114	40	1.6
14399.1	10000	38.8944	95.7225	0	QAL	3.3	1	9.7	0	1.2	0	0.346	0	2.861	0	8.270	0	2115	42	1.6
14399.0	10000	38.8944	95.7217	0	QAL	3.4	1	10.3	1	1.2	0	0.330	0	2.855	0	8.663	1	2136	46	1.6
14398.9	10000	38.8944	95.7209	-1	PS	3.3	0	10.3	1	1.2	0	0.323	0	2.736	0	8.477	0	2153	40	1.6
14398.8	10000	38.8944	95.7201	-3	PS	3.4	1	10.7	1	1.3	0	0.321	0	2.692	0	8.387	0	2158	44	1.6
14398.7	10000	38.8944	95.7193	-4	PS	3.7	1	10.6	1	1.3	1	0.347	0	2.779	0	8.018	0	2176	45	1.6
14398.6	10000	38.8944	95.7185	-6	PS	3.8	1	10.4	1	1.3	1	0.361	1	2.859	0	7.930	0	2168	45	1.6
14398.5	10000	38.8944	95.7177	-7	PS	4.1	2	10.1	1	1.3	1	0.403	1	3.150	1	7.815	0	2154	37	1.6
14398.4	10000	38.8944	95.7169	-8	PS	4.3	2	10.1	1	1.3	1	0.426	2	3.358	1	7.890	0	2165	43	1.6
14398.3	10000	38.8944	95.7161	-10	PS	4.5	3	10.2	1	1.3	1	0.442	2	3.484	2	7.885	0	2164	47	1.6
14398.2	10000	38.8943	95.7153	-12	PS	4.4	3	10.0	1	1.3	0	0.441	2	3.494	2	7.915	0	2175	47	1.6
14398.1	10000	38.8943	95.7145	-14	PS	4.0	2	10.2	1	1.2	0	0.395	1	3.278	1	8.304	0	2185	36	1.6
14398.0	10000	38.8943	95.7137	-16	PS	4.0	2	10.2	1	1.2	0	0.387	1	3.400	1	8.781	0	2197	49	1.6
14397.9	10000	38.8943	95.7129	-18	PS	3.8	1	10.8	1	1.2	0	0.348	0	3.191	1	9.162	1	2210	39	1.6
14397.8	10000	38.8943	95.7121	-21	PS	3.8	1	11.2	1	1.2	0	0.342	0	3.314	1	9.697	1	2225	40	1.6
14397.7	10000	38.8943	95.7113	-23	PS	3.8	1	11.1	1	1.2	0	0.346	0	3.249	1	9.403	1	2225	42	1.6
14397.6	10000	38.8943	95.7105	-25	PS	3.7	1	10.7	1	1.2	0	0.341	0	3.181	1	9.331	1	2235	36	1.7
14397.5	10000	38.8943	95.7097	-27	PS	3.8	1	11.2	1	1.2	0	0.343	0	3.243	1	9.456	1	2241	48	1.7
14397.4	10000	38.8943	95.7090	-28	PS	4.1	2	10.8	1	1.2	0	0.378	1	3.371	1	8.929	1	2234	39	1.7
14397.3	10000	38.8943	95.7082	-29	PS	4.1	2	11.0	1	1.2	0	0.372	1	3.352	1	9.012	1	2232	51	1.7
14397.2	10000	38.8943	95.7074	-31	PS	4.3	2	11.3	1	1.2	0	0.378	1	3.593	2	8.510	1	2235	40	1.7
14397.1	10000	38.8943	95.7066	-34	PS	4.1	2	11.2	1	1.2	0	0.364	1	3.243	1	7.894	1	2231	51	1.7
14397.0	10000	38.8942	95.7058	-37	PS	4.3	2	11.2	1	1.2	0	0.383	1	3.443	2	8.108	1	2222	34	1.7
14396.9	10000	38.8942	95.7050	-40	PS	4.0	2	10.8	1	1.2	0	0.378	1	3.217	1	7.891	1	2213	43	1.7
14396.8	10000	38.8942	95.7042	-42	PS	4.1	2	11.0	1	1.2	0	0.372	1	3.185	1	8.007	1	2190	57	1.7
14396.7	10000	38.8942	95.7034	-46	PS	4.0	2	10.9	1	1.2	0	0.367	1	3.239	1	8.139	1	2182	35	1.7
14396.6	10000	38.8942	95.7026	-50	PS	3.8	2	10.9	1	1.2	0	0.348	0	3.285	1	8.379	1	2153	47	1.7
14396.5	10000	38.8942	95.7018	-54	PS	3.8	2	10.8	1	1.2	0	0.351	0	3.010	1	8.489	1	2122	30	1.7
14396.4	10000	38.8942	95.7010	-60	PS	3.8	2	10.8	1	1.2	0	0.351	0	3.313	1	8.797	1	2095	45	1.7
14396.3	10000	38.8942	95.7002	-65	PS	3.8	2	10.8	1	1.2	0	0.351	0	3.105	1	8.957	1	2082	36	1.7
14396.2	10000	38.8942	95.6994	-71	PS	3.8	2	10.8	1	1.2	0	0.351	0	3.389	1	8.956	1	2067	48	1.7
14396.1	10000	38.8942	95.6986	-74	PS	3.8	2	10.8	1	1.2	0	0.351	0	3.248	1	8.164	1	2068	35	1.7
14396.0	10000	38.8942	95.6978	-77	PS	3.8	2	10.8	1	1.2	0	0.351	0	2.977	1	8.524	1	2061	49	1.7
14395.9	10000	38.8942	95.6970	-81	PS	3.8	2	10.8	1	1.2	0	0.351	0	2.705	1	8.223	1	2057	50	1.8
14395.8	10000	38.8941	95.6962	-85	PS	3.8	2	10.8	1	1.2	0	0.351	0	2.646	1	8.291	1	2061	48	1.8
14395.7	10000	38.8941	95.6954	-91	PS	3.8	2	10.8	1	1.2	0	0.351	0	2.536	1	8.584	1	2066	56	1.8
14395.6	10000	38.8941	95.6946	-96	PS	3.8	2	10.8	1	1.2	0	0.351	0	2.567	1	8.685	1	2061	43	1.8
14395.5	10000	38.8941	95.6938	-102	PS	3.8	2	10.8	1	1.2	0	0.351	0	2.514	1	8.849	1	2078	48	1.8
14395.4	10000	38.8941	95.6930	-107	PS	3.8	2	10.8	1	1.2	0	0.351	0	2.614	1	8.325	1	2082	49	1.8
14395.3	10000	38.8941	95.6922	-111	PS	3.8	2	10.8	1	1.2	0	0.351	0	2.635	1	8.853	1	2092	45	1.8
14395.2	10000	38.8941	95.6915	-115	PS	3.8	2	10.8	1	1.2	0	0.351	0	2.628	1	9.005	1	2091	46	1.8
14395.1	10000	38.8941	95.6907	-116	PS	3.8	2	10.8	1	1.2	0	0.351	0	2.625	1	9.045	1	2088	41	1.8
14395.0	10000	38.8941	95.6899	-121	PS	3.8	2	10.8	1	1.2	0	0.351	0	2.632	1	9.379	1	2081	35	1.8
14394.9	10000	38.8941	95.6891	-128	PS	3.8	2	10.8	1	1.2	0	0.351	0	2.653	1	9.787	1	2077	34	1.8
14394.8	10000	38.8941	95.6883	-135	PS	3.8	2	10.8	1	1.2	0	0.351	0	2.677	1	9.248	1	2055	52	1.8
14394.7	10000	38.8940	95.6875	-141	PS	3.8	2	10.8	1	1.2	0	0.351	0	2.677	1	9.300	1	2052	50	1.8
14394.6	10000	38.8940	95.6867	-145	PS	3.8	2	10.8	1	1.2	0	0.351	0	2.677	1	9.786	1	2045	44	1.8

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14394.5	10000	38.8940	95.6859	-150	PS	3.7	1	9.8	0	1.1	0	0.379	1	3.274	1	8.647	0	2061	56	1.9
14394.4	10000	38.8940	95.6851	-154	PS	3.3	0	9.5	0	1.1	0	0.348	0	2.898	0	8.336	0	2054	48	1.9
14394.3	10000	38.8940	95.6843	-158	PS	3.0	0	9.6	0	1.2	0	0.310	0	2.530	0	8.156	0	2050	47	1.9
14394.2	10000	38.8940	95.6835	-162	PS	3.1	0	10.0	0	1.2	0	0.315	0	2.660	0	8.451	0	2061	52	1.9
14394.1	10000	38.8940	95.6827	-166	PS	3.0	0	10.0	0	1.2	0	0.305	0	2.608	0	8.559	0	2056	53	1.9
14394.0	10000	38.8940	95.6819	-170	PS	3.1	0	9.6	0	1.2	0	0.321	0	2.685	0	8.363	0	2063	49	1.9
14393.9	10000	38.8940	95.6812	-174	PS	3.0	0	9.7	0	1.2	0	0.309	0	2.536	0	8.195	0	2067	48	1.9
14393.8	10000	38.8940	95.6804	-177	PS	2.8	-1	9.7	0	1.2	0	0.292	-1	2.398	-1	8.217	0	2071	51	1.9
14393.7	10000	38.8940	95.6796	-179	PS	2.9	0	9.8	0	1.2	0	0.294	-1	2.360	-1	8.027	0	2083	42	1.9
14393.6	10000	38.8940	95.6788	-183	PS	3.1	0	10.0	1	1.3	1	0.307	0	2.403	-1	7.837	0	2119	46	1.9
14393.5	10000	38.8940	95.6781	-186	PS	2.7	-1	10.1	0	1.3	1	0.264	-1	2.084	-1	7.905	0	2116	38	1.9
14393.4	10000	38.8939	95.6773	-189	PS	2.7	-1	10.4	1	1.3	1	0.259	-1	2.077	-1	8.018	0	2139	43	1.9
14393.3	10000	38.8939	95.6765	-191	PS	2.6	-1	10.7	1	1.4	1	0.243	-2	1.922	-2	7.919	0	2136	45	1.9
14393.2	10000	38.8939	95.6757	-194	PS	2.9	0	10.5	1	1.4	1	0.276	-1	2.137	-1	7.755	0	2136	49	1.9
14393.1	10000	38.8939	95.6750	-197	PS	2.8	-1	10.3	1	1.3	1	0.272	-1	2.141	-1	7.880	0	2118	56	1.9
14393.0	10000	38.8939	95.6742	-200	PS	2.8	-1	10.1	1	1.3	1	0.277	-1	2.139	-1	7.727	0	2112	43	2.0
14392.9	10000	38.8939	95.6734	-203	PS	2.8	-1	9.7	0	1.3	0	0.287	-1	2.214	-1	7.711	0	2085	55	2.0
14392.8	10000	38.8939	95.6726	-206	PS	3.0	0	10.0	0	1.3	0	0.298	-1	2.355	-1	7.894	0	2099	44	2.0
14392.7	10000	38.8939	95.6719	-208	PS	3.1	0	9.7	0	1.2	0	0.321	0	2.560	0	7.971	0	2110	54	2.0
14392.6	10000	38.8939	95.6711	-210	PS	3.1	0	9.9	0	1.2	0	0.315	0	2.663	0	8.445	0	2116	42	2.0
14392.5	10000	38.8939	95.6703	-212	PS	3.0	0	9.8	0	1.2	0	0.301	0	2.525	0	8.394	0	2131	42	2.0
14392.4	10000	38.8939	95.6695	-215	PS	3.2	0	9.7	0	1.2	0	0.332	0	2.725	0	8.210	0	2128	45	2.0
14392.3	10000	38.8939	95.6687	-217	PS	3.3	0	9.4	0	1.1	0	0.357	1	2.917	0	8.181	0	2137	52	2.0
14392.2	10000	38.8939	95.6680	-221	PS	3.5	1	9.5	0	1.2	0	0.375	1	3.084	1	8.235	0	2151	44	2.0
14392.1	10000	38.8939	95.6672	-223	PS	3.7	1	9.6	0	1.2	0	0.389	1	3.229	1	8.304	0	2147	44	2.0
14392.0	10000	38.8939	95.6664	-225	PS	3.5	1	9.6	0	1.2	0	0.360	1	2.948	0	8.187	0	2127	46	2.0
14391.9	10000	38.8938	95.6656	-227	QAL	3.7	1	9.6	0	1.2	0	0.384	1	3.185	1	8.286	0	2100	50	2.0
14391.8	10000	38.8938	95.6649	-229	QAL	3.6	1	10.0	0	1.2	0	0.363	1	3.071	1	8.469	0	2092	51	2.0
14391.7	10000	38.8938	95.6641	-231	QAL	3.4	1	9.6	0	1.2	0	0.334	0	2.896	0	8.664	0	2096	36	2.0
14391.6	10000	38.8938	95.6633	-233	QAL	3.1	0	10.0	0	1.2	0	0.310	0	2.717	0	8.760	0	2093	54	2.0
14391.5	10000	38.8938	95.6625	-236	QAL	3.0	0	10.3	0	1.2	0	0.289	0	2.560	0	8.844	0	2090	41	2.0
14391.4	10000	38.8938	95.6618	-238	QAL	3.1	0	10.0	0	1.2	0	0.297	0	2.575	0	8.663	0	2109	40	2.0
14391.3	10000	38.8938	95.6610	-239	QAL	3.0	0	10.5	0	1.2	0	0.284	0	2.581	0	9.090	0	2110	49	2.0
14391.2	10000	38.8938	95.6602	-241	QAL	2.9	0	9.7	0	1.2	0	0.289	0	2.529	0	8.750	0	2122	50	2.0
14391.1	10000	38.8938	95.6594	-241	QAL	2.8	-1	9.7	0	1.2	0	0.289	0	2.562	0	8.874	0	2113	48	2.0
14391.0	10000	38.8938	95.6587	-243	QAL	2.9	0	9.8	0	1.2	0	0.295	0	2.465	0	8.343	0	2107	37	2.0
14390.9	10000	38.8938	95.6579	-244	QAL	3.1	0	10.0	1	1.3	1	0.314	1	2.635	0	8.395	0	2091	47	2.0
14390.8	10000	38.8938	95.6571	-246	QAL	3.0	0	10.2	1	1.3	1	0.309	0	2.622	0	8.496	0	2082	49	2.0
14390.7	10000	38.8938	95.6563	-247	QAL	3.0	0	10.2	1	1.3	1	0.303	0	2.448	0	8.085	0	2060	43	2.0
14390.6	10000	38.8938	95.6555	-248	QAL	3.1	0	10.2	1	1.3	1	0.330	0	2.487	0	7.528	0	2056	54	2.0
14390.5	10000	38.8938	95.6548	-249	QAL	3.2	0	9.7	0	1.3	0	0.365	1	2.575	0	7.055	0	2058	52	2.0
14390.4	10000	38.8937	95.6540	-249	QAL	3.3	0	9.6	0	1.3	0	0.357	1	2.512	0	7.031	0	2075	45	2.0
14390.3	10000	38.8937	95.6532	-250	QAL	3.4	0	9.6	0	1.3	0	0.351	1	2.441	0	6.962	0	2105	57	2.0
14390.2	10000	38.8937	95.6525	-250	QAL	3.3	0	9.5	0	1.3	0	0.346	1	2.265	0	6.551	-1	2133	42	2.0
14390.1	10000	38.8937	95.6517	-249	QAL	3.5	1	9.2	0	1.4	0	0.377	1	2.388	0	6.330	-1	2145	35	2.0
14390.0	10000	38.8937	95.6509	-249	QAL	3.6	1	9.1	0	1.4	0	0.402	1	2.611	0	6.497	-1	2143	45	2.0
14389.9	10000	38.8937	95.6501	-249	QAL	3.4	1	9.0	0	1.3	0	0.398	1	2.679	0	6.734	-1	2144	50	2.0
14389.8	10000	38.8937	95.6494	-250	QAL	3.4	1	9.0	0	1.3	0	0.368	1	2.567	0	6.979	-1	2143	45	2.0
14389.7	10000	38.8937	95.6486	-249	QAL	3.2	0	8.9	0	1.3	0	0.363	1	2.497	0	6.874	-1	2115	46	1.9
14389.6	10000	38.8937	95.6478	-248	QAL	3.2	0	9.0	0	1.3	0	0.360	1	2.545	0	7.073	-1	2087	40	1.9
14389.5	10000	38.8937	95.6470	-247	PD	3.1	0	9.0	0	1.3	0	0.347	1	2.542	0	7.335	-1	2072	42	1.9
14389.4	10000	38.8937	95.6462	-246	PD	2.8	-1	9.6	0	1.2	0	0.294	-1	2.352	-1	7.988	-1	2074	39	1.9

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14389.3	10000	38.8937	95.6455	-246	PD	2.9	-1	9.8	0	1.2	1	0.293	-1	2.298	-1	7.844	-1	2095	48	1.9
14389.2	10000	38.8937	95.6447	-245	PD	3.1	0	9.6	0	1.2	1	0.317	0	2.517	-1	7.941	-1	2102	50	1.9
14389.1	10000	38.8937	95.6439	-244	PD	3.0	0	10.0	0	1.2	1	0.301	-1	2.544	-1	8.445	0	2102	36	1.9
14389.0	10000	38.8937	95.6431	-243	PD	3.3	0	10.1	0	1.2	1	0.324	0	2.743	0	8.465	0	2120	56	1.9
14388.9	10000	38.8936	95.6424	-243	PD	3.3	0	10.2	0	1.2	1	0.322	0	2.714	0	8.438	0	2141	63	1.9
14388.8	10000	38.8936	95.6416	-241	PD	3.3	0	10.3	0	1.2	1	0.321	0	2.843	0	8.847	0	2152	53	1.9
14388.7	10000	38.8936	95.6408	-239	PD	3.7	1	9.9	0	1.2	0	0.370	1	3.113	0	8.403	0	2156	38	1.9
14388.6	10000	38.8936	95.6400	-238	PD	3.6	1	9.7	0	1.2	0	0.369	1	3.093	0	8.382	0	2135	45	1.9
14388.5	10000	38.8936	95.6393	-237	PD	3.4	0	9.5	0	1.2	1	0.358	0	2.784	0	7.772	-1	2138	38	1.9
14388.4	10000	38.8936	95.6385	-237	PD	3.6	1	9.3	0	1.3	1	0.391	1	2.919	0	7.463	-1	2153	42	1.9
14388.3	10000	38.8936	95.6377	-236	PD	3.8	1	9.2	0	1.3	1	0.410	1	3.015	0	7.350	-1	2162	53	1.9
14388.2	10000	38.8936	95.6369	-234	PD	3.8	1	9.4	0	1.2	1	0.400	1	3.121	0	7.800	-1	2157	53	1.8
14388.1	10000	38.8936	95.6362	-234	PD	3.7	1	9.4	0	1.2	1	0.394	1	2.979	0	7.562	-1	2163	36	1.8
14388.0	10000	38.8936	95.6354	-233	PD	3.5	1	9.5	0	1.3	1	0.368	1	2.720	0	7.384	-1	2165	31	1.8
14387.9	10000	38.8936	95.6346	-233	PD	3.8	1	9.2	0	1.3	1	0.411	1	2.933	0	7.135	-1	2181	52	1.8
14387.8	10000	38.8936	95.6338	-234	PD	3.8	1	9.7	0	1.2	1	0.392	1	3.053	0	7.781	-1	2178	38	1.8
14387.7	10000	38.8936	95.6330	-233	PD	3.5	1	9.8	0	1.2	1	0.357	0	2.853	0	7.992	-1	2175	46	1.8
14387.6	10000	38.8936	95.6323	-234	PD	3.4	0	9.8	0	1.2	1	0.344	0	2.748	0	7.984	-1	2155	41	1.8
14387.5	10000	38.8935	95.6315	-233	PD	3.4	0	9.5	0	1.2	1	0.354	0	2.697	0	7.628	-1	2140	48	1.8
14387.4	10000	38.8935	95.6307	-233	PD	3.2	0	9.1	0	1.2	1	0.351	0	2.627	-1	7.482	-1	2121	41	1.8
14387.3	10000	38.8935	95.6299	-233	PD	3.2	0	9.0	-1	1.2	1	0.354	0	2.634	-1	7.437	-1	2105	48	1.8
14387.2	10000	38.8935	95.6292	-233	PD	3.2	0	9.5	0	1.2	1	0.339	0	2.661	0	7.843	-1	2096	50	1.8
14387.1	10000	38.8935	95.6284	-233	PD	3.1	0	9.0	0	1.3	1	0.346	0	2.465	-1	7.119	-1	2103	47	1.7
14387.0	10000	38.8935	95.6276	-233	PD	3.2	0	9.1	0	1.3	1	0.358	0	2.499	-1	6.984	-1	2106	46	1.7
14386.9	10000	38.8935	95.6268	-234	PD	3.2	0	8.9	-1	1.3	1	0.364	1	2.535	-1	6.957	-1	2116	40	1.7
14386.8	10000	38.8935	95.6261	-236	PD	3.5	1	8.8	-1	1.3	1	0.402	1	2.648	-1	6.583	-2	2141	52	1.7
14386.7	10000	38.8935	95.6253	-235	PD	3.6	1	9.1	0	1.3	1	0.397	1	2.696	0	6.795	-2	2143	49	1.7
14386.6	10000	38.8935	95.6245	-235	PD	3.9	2	9.1	0	1.3	1	0.432	2	3.021	0	6.991	-1	2146	41	1.7
14386.5	10000	38.8935	95.6237	-235	PD	3.5	1	9.1	0	1.3	1	0.383	1	2.650	-1	6.917	-1	2129	49	1.7
14386.4	10000	38.8935	95.6230	-236	PD	3.6	1	9.1	0	1.3	1	0.399	1	2.895	0	7.251	-1	2092	50	1.7
14386.3	10000	38.8935	95.6222	-237	PD	3.5	1	9.0	0	1.3	1	0.406	1	2.847	0	7.010	-1	2077	42	1.7
14386.2	10000	38.8935	95.6214	-238	PD	3.7	1	9.0	0	1.3	1	0.429	2	2.932	0	6.840	-1	2074	46	1.6
14386.1	10000	38.8934	95.6206	-238	PD	3.4	1	8.7	0	1.3	1	0.396	1	2.837	0	7.159	-1	2066	55	1.6
14386.0	10000	38.8934	95.6199	-237	PD	3.6	1	8.8	0	1.3	1	0.414	1	2.896	0	6.996	-1	2088	37	1.6
14385.9	10000	38.8934	95.6191	-237	PD	3.4	1	8.7	0	1.3	1	0.393	1	2.659	0	6.775	-2	2103	54	1.6
14385.8	10000	38.8934	95.6183	-238	PD	3.6	1	9.2	0	1.3	1	0.390	1	2.697	0	6.908	-1	2139	55	1.6
14385.7	10000	38.8934	95.6175	-238	PD	3.5	1	9.0	0	1.3	1	0.384	1	2.545	-1	6.632	-2	2201	58	1.6
14385.6	10000	38.8934	95.6167	-238	PD	3.8	1	8.8	0	1.4	1	0.385	1	2.405	-1	6.248	-2	2228	62	1.6
14385.5	10000	38.8934	95.6160	-238	PD	3.8	1	9.1	0	1.4	1	0.414	1	2.570	-1	6.201	-2	2244	45	1.6
14385.4	10000	38.8934	95.6152	-236	PD	3.8	1	8.8	0	1.4	1	0.436	1	2.644	-1	6.070	-2	2225	37	1.6
14385.3	10000	38.8934	95.6144	-236	PD	3.7	1	8.5	0	1.4	1	0.448	1	2.641	-1	5.894	-2	2200	57	1.6
14385.2	10000	38.8934	95.6136	-236	PD	3.5	1	8.4	0	1.4	1	0.442	1	2.544	-1	5.754	-2	2196	39	1.6
14385.1	10000	38.8934	95.6129	-235	PD	3.8	1	8.5	0	1.4	1	0.462	1	2.616	-1	5.666	-2	2185	46	1.6
14385.0	10000	38.8934	95.6121	-234	PD	3.5	1	8.3	0	1.4	1	0.422	1	2.464	-1	5.843	-2	2176	37	1.5
14384.9	10000	38.8934	95.6113	-233	PD	3.7	1	8.4	0	1.4	1	0.415	1	2.628	-1	6.326	-2	2169	54	1.5
14384.8	10000	38.8934	95.6105	-232	PD	3.5	1	8.5	0	1.4	1	0.346	0	2.216	-1	6.411	-2	2172	49	1.5
14384.7	10000	38.8933	95.6098	-230	PD	3.6	1	8.5	0	1.4	1	0.341	0	2.228	-1	6.543	-2	2198	52	1.5
14384.6	10000	38.8933	95.6090	-229	PD	3.5	1	8.5	0	1.4	1	0.338	0	2.279	-1	6.743	-2	2216	53	1.5
14384.5	10000	38.8933	95.6082	-228	PD	3.5	1	8.5	0	1.4	1	0.314	0	2.249	-1	7.169	-1	2220	54	1.5
14384.4	10000	38.8933	95.6074	-226	PD	3.5	1	8.5	0	1.4	1	0.297	0	2.173	-1	7.321	-1	2211	45	1.5
14384.3	10000	38.8933	95.6067	-225	PD	3.5	1	8.5	0	1.4	1	0.303	0	2.321	-1	7.669	-1	2185	43	1.5
14384.2	10000	38.8933	95.6059	-222	PD	3.1	1	8.5	0	1.4	1	0.286	0	2.176	-1	7.617	-1	2165	34	1.5

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14384.1	10000	38.8933	95.6051	-219	PD	3.1	0	10.6	1	1.4	2	0.296	-1	2.308	-1	7.801	-1	2149	55	1.5
14384.0	10000	38.8933	95.6043	-216	PD	3.1	0	10.9	1	1.3	1	0.290	-1	2.407	-1	8.305	0	2143	41	1.5
14383.9	10000	38.8933	95.6036	-214	PD	2.7	-1	10.8	1	1.2	1	0.254	-1	2.198	-1	8.657	0	2129	59	1.5
14383.8	10000	38.8933	95.6028	-211	PD	3.0	0	10.8	1	1.3	1	0.281	-1	2.392	-1	8.513	0	2128	42	1.5
14383.7	10000	38.8933	95.6020	-208	PD	3.1	0	10.8	1	1.3	1	0.292	-1	2.471	-1	8.476	0	2134	51	1.5
14383.6	10000	38.8933	95.6012	-204	PD	3.2	0	10.6	1	1.3	1	0.297	-1	2.399	-1	8.069	-1	2140	37	1.5
14383.5	10000	38.8933	95.6004	-200	PD	3.4	0	10.9	1	1.3	1	0.308	0	2.558	-1	8.300	0	2161	49	1.5
14383.4	10000	38.8933	95.5997	-196	QAL	3.4	1	10.7	1	1.3	0	0.318	0	2.528	0	7.955	0	2171	44	1.5
14383.3	10000	38.8932	95.5989	-191	QAL	3.2	0	10.4	1	1.4	1	0.311	0	2.290	0	7.357	0	2187	48	1.5
14383.2	10000	38.8932	95.5981	-187	QAL	3.6	1	10.6	1	1.5	1	0.343	0	2.409	0	7.029	0	2230	48	1.5
14383.1	10000	38.8932	95.5974	-184	QAL	3.5	1	10.3	1	1.5	1	0.334	0	2.279	0	6.823	-1	2249	51	1.5
14383.0	10000	38.8932	95.5966	-179	QAL	3.2	0	10.3	1	1.5	1	0.308	0	2.063	-1	6.709	-1	2266	44	1.5
14382.9	10000	38.8932	95.5958	-174	QAL	3.4	1	10.7	1	1.5	1	0.319	0	2.222	0	6.956	0	2288	42	1.5
14382.8	10000	38.8932	95.5950	-169	QAL	3.4	1	10.6	1	1.6	1	0.317	0	2.138	-1	6.748	-1	2296	48	1.5
14382.7	10000	38.8932	95.5942	-165	QAL	3.6	1	11.0	1	1.6	1	0.324	0	2.289	0	7.061	0	2293	54	1.5
14382.6	10000	38.8932	95.5935	-161	QAL	3.5	1	10.6	1	1.5	1	0.332	0	2.350	0	7.067	0	2254	33	1.5
14382.5	10000	38.8932	95.5927	-157	QAL	3.4	1	10.3	1	1.4	1	0.326	0	2.376	0	7.294	0	2204	40	1.5
14382.4	10000	38.8932	95.5919	-154	QAL	3.4	1	10.5	1	1.4	0	0.319	0	2.438	0	7.635	0	2163	44	1.5
14382.3	10000	38.8932	95.5911	-150	QAL	3.5	1	10.6	1	1.3	0	0.333	0	2.639	0	7.919	0	2136	26	1.5
14382.2	10000	38.8932	95.5904	-146	QAL	3.4	1	10.3	1	1.3	0	0.330	0	2.583	0	7.821	0	2116	44	1.5
14382.1	10000	38.8932	95.5896	-143	QAL	3.2	0	10.1	1	1.3	0	0.315	0	2.435	0	7.724	0	2094	37	1.5
14382.0	10000	38.8932	95.5888	-140	QAL	3.0	0	10.1	1	1.3	0	0.295	-1	2.223	0	7.527	0	2108	50	1.5
14381.9	10000	38.8932	95.5880	-138	QAL	3.1	0	10.4	1	1.4	1	0.298	-1	2.145	-1	7.209	0	2162	48	1.5
14381.8	10000	38.8932	95.5873	-135	QAL	3.1	0	10.5	1	1.5	1	0.297	-1	2.060	-1	6.930	0	2208	41	1.5
14381.7	10000	38.8931	95.5865	-133	PS	3.3	0	10.3	1	1.6	2	0.317	0	2.104	-1	6.643	-1	2250	38	1.5
14381.6	10000	38.8931	95.5857	-130	PS	3.3	0	10.3	1	1.6	2	0.320	0	2.046	-1	6.387	-2	2288	46	1.6
14381.5	10000	38.8931	95.5849	-128	PS	3.4	0	10.2	1	1.7	2	0.329	0	2.020	-1	6.148	-2	2320	40	1.6
14381.4	10000	38.8931	95.5842	-125	PS	3.5	1	10.5	1	1.7	2	0.337	0	2.065	-1	6.130	-2	2362	40	1.6
14381.3	10000	38.8931	95.5834	-124	PS	3.6	1	10.7	1	1.8	2	0.333	0	2.034	-1	6.109	-2	2391	62	1.6
14381.2	10000	38.8931	95.5826	-124	PS	3.6	1	10.4	1	1.7	2	0.350	0	2.091	-1	5.984	-2	2386	45	1.6
14381.1	10000	38.8931	95.5818	-122	PS	3.8	1	10.4	1	1.7	2	0.370	0	2.224	-1	6.017	-2	2379	51	1.6
14381.0	10000	38.8931	95.5811	-121	PS	3.7	1	10.5	1	1.8	2	0.351	0	2.064	-1	5.877	-2	2383	49	1.6
14380.9	10000	38.8931	95.5803	-119	PS	3.7	1	10.5	1	1.7	2	0.351	0	2.099	-1	5.985	-2	2366	31	1.6
14380.8	10000	38.8931	95.5795	-117	PS	3.9	2	10.4	1	1.7	2	0.388	0	2.260	-1	5.831	-2	2331	41	1.6
14380.7	10000	38.8931	95.5787	-117	PS	3.9	1	10.7	1	1.7	2	0.400	0	2.341	-1	5.849	-2	2256	37	1.6
14380.6	10000	38.8931	95.5779	-117	PS	3.7	1	10.9	1	1.6	2	0.416	0	2.339	-1	5.623	-2	2186	40	1.6
14380.5	10000	38.8931	95.5772	-116	PS	3.3	0	10.8	1	1.5	2	0.374	0	2.161	-1	5.782	-2	2133	31	1.6
14380.4	10000	38.8931	95.5764	-116	PS	2.9	1	10.5	1	1.5	2	0.341	0	1.929	-2	5.658	-2	2079	46	1.6
14380.3	10000	38.8930	95.5756	-116	PS	2.9	1	10.3	1	1.4	2	0.345	0	2.050	-1	5.940	-2	2024	39	1.6
14380.2	10000	38.8930	95.5748	-116	PS	2.7	1	10.3	1	1.4	2	0.326	0	1.955	-1	5.993	-2	1983	48	1.7
14380.1	10000	38.8930	95.5741	-116	PS	2.4	1	10.4	1	1.4	2	0.282	-1	1.724	-2	6.103	-2	1947	45	1.7
14380.0	10000	38.8930	95.5733	-118	PS	2.2	1	10.3	1	1.3	2	0.276	-1	1.666	-2	6.025	-2	1948	48	1.7
14379.9	10000	38.8930	95.5725	-119	PS	2.3	1	10.3	1	1.4	2	0.280	-1	1.716	-2	6.134	-2	1947	38	1.7
14379.8	10000	38.8930	95.5717	-121	PS	2.5	1	10.3	1	1.3	2	0.305	-1	1.897	-2	6.213	-2	1953	49	1.7
14379.7	10000	38.8930	95.5710	-122	PS	2.6	1	10.3	1	1.3	2	0.306	-1	1.961	-1	6.405	-2	1964	46	1.7
14379.6	10000	38.8930	95.5702	-123	PS	2.3	1	10.2	1	1.3	2	0.285	-1	1.785	-2	6.259	-2	1970	28	1.7
14379.5	10000	38.8930	95.5694	-124	PS	2.6	1	10.2	1	1.4	2	0.320	-1	2.033	-1	6.352	-2	1972	43	1.7
14379.4	10000	38.8930	95.5686	-127	PS	2.6	1	10.3	1	1.4	2	0.271	-1	1.735	-2	6.398	-2	2003	42	1.7
14379.3	10000	38.8930	95.5679	-129	PS	2.6	1	10.3	1	1.4	2	0.265	-1	1.666	-2	6.288	-2	2022	46	1.7
14379.2	10000	38.8930	95.5671	-132	PS	2.5	1	10.3	1	1.4	2	0.272	-1	1.654	-2	6.078	-2	2015	49	1.7
14379.1	10000	38.8930	95.5663	-133	PS	2.2	1	10.3	1	1.4	2	0.255	-1	1.618	-2	6.339	-2	2014	43	1.7
14379.0	10000	38.8929	95.5655	-134	PS	2.2	1	10.4	1	1.4	1	0.249	-1	1.567	-2	6.284	-2	2022	50	1.7

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14378.9	10000	38.8929	95.5648	-137	PS	2.3	-2	9.0	-1	1.4	1	0.258	-1	1.633	-2	6.335	-2	2008	42	1.8
14378.8	10000	38.8929	95.5640	-139	PS	2.3	-2	8.7	-1	1.4	1	0.264	-1	1.611	-2	6.097	-2	2002	42	1.8
14378.7	10000	38.8929	95.5632	-142	PS	2.8	-1	8.1	-1	1.4	1	0.340	0	2.033	-1	5.975	-2	1980	36	1.8
14378.6	10000	38.8929	95.5624	-145	PS	2.8	-1	7.9	-2	1.3	1	0.359	0	2.148	-1	5.989	-2	1954	56	1.8
14378.5	10000	38.8929	95.5616	-146	PS	2.7	-1	8.3	-1	1.3	1	0.333	0	2.101	-1	6.311	-2	1963	44	1.8
14378.4	10000	38.8929	95.5609	-148	PS	2.9	-1	7.7	-2	1.3	1	0.372	0	2.245	-1	6.032	-2	1955	41	1.8
14378.3	10000	38.8929	95.5601	-150	PS	3.2	0	7.6	-2	1.2	0	0.425	2	2.623	0	6.167	-2	1951	49	1.8
14378.2	10000	38.8929	95.5593	-152	PS	3.6	1	7.4	-2	1.2	0	0.478	3	2.920	0	6.106	-2	1962	41	1.8
14378.1	10000	38.8929	95.5585	-155	PS	3.6	1	7.7	-2	1.2	0	0.476	3	2.983	1	6.271	-2	1977	40	1.8
14378.0	10000	38.8929	95.5578	-158	PS	3.6	1	7.8	-2	1.2	0	0.458	2	2.941	0	6.428	-2	1979	44	1.8
14377.9	10000	38.8929	95.5570	-161	PS	3.7	1	7.9	-2	1.2	0	0.460	2	3.036	1	6.599	-1	1991	47	1.8
14377.8	10000	38.8929	95.5562	-163	PS	3.9	1	7.9	-2	1.2	0	0.485	3	3.221	1	6.636	-1	1992	52	1.8
14377.7	10000	38.8928	95.5554	-166	PS	3.9	2	8.1	-1	1.2	0	0.487	3	3.310	1	6.801	-1	1983	47	1.8
14377.6	10000	38.8928	95.5547	-168	PS	3.9	1	7.9	-2	1.2	0	0.486	3	3.210	1	6.610	-1	1982	56	1.8
14377	10000	38.8928	95.5539	-170	PS	3.7	1	8.3	-1	1.2	0	0.446	2	3.023	1	6.773	-1	1989	40	1.8
14377.4	10000	38.8928	95.5531	-173	PS	3.6	1	8.0	-2	1.3	0	0.458	2	2.891	0	6.308	-2	1999	46	1.8
14377.3	10000	38.8928	95.5523	-177	QAL	3.5	1	7.8	-1	1.3	0	0.449	2	2.678	0	5.970	-1	2016	42	1.8
14377.2	10000	38.8928	95.5516	-181	QAL	3.6	1	7.7	-1	1.4	0	0.474	2	2.688	0	5.676	-1	2034	55	1.8
14377.1	10000	38.8928	95.5508	-184	QAL	3.6	1	7.8	-1	1.4	0	0.466	2	2.671	0	5.735	-1	2050	48	1.8
14377.0	10000	38.8928	95.5500	-186	QAL	3.6	1	7.7	-1	1.4	1	0.463	2	2.557	0	5.529	-1	2081	28	1.8
14376.9	10000	38.8928	95.5492	-189	QAL	3.7	1	7.8	-1	1.4	1	0.474	2	2.618	0	5.519	-1	2105	54	1.8
14376.8	10000	38.8928	95.5484	-193	QAL	3.8	1	7.9	-1	1.4	1	0.479	2	2.660	0	5.555	-1	2153	40	1.8
14376.7	10000	38.8930	95.5477	-198	QAL	3.7	1	8.2	-1	1.4	1	0.445	2	2.541	0	5.715	-1	2187	47	1.8
14376.6	10000	38.8931	95.5469	-203	QAL	4.0	2	8.9	0	1.5	1	0.457	2	2.769	0	6.060	-1	2236	41	1.8
14376.5	10000	38.8933	95.5462	-208	QAL	3.9	2	9.2	0	1.5	1	0.427	1	2.662	0	6.242	-1	2289	50	1.8
14376.4	10000	38.8935	95.5454	-213	QAL	4.0	2	9.3	0	1.5	1	0.428	1	2.644	0	6.176	-1	2306	51	1.8
14376.3	10000	38.8937	95.5447	-218	QAL	4.0	2	9.7	0	1.5	1	0.413	1	2.654	0	6.421	-1	2302	37	1.8
14376.2	10000	38.8939	95.5439	-222	QAL	3.7	2	9.9	0	1.6	1	0.376	1	2.375	0	6.322	-1	2300	50	1.8
14376.1	10000	38.8941	95.5432	-227	QAL	3.6	1	9.8	0	1.6	1	0.366	1	2.265	0	6.190	-1	2256	39	1.8
14376.0	10000	38.8942	95.5424	-232	QAL	3.5	1	9.9	0	1.5	1	0.353	0	2.250	0	6.381	-1	2195	43	1.8
14375.9	10000	38.8944	95.5417	-237	QAL	3.0	1	9.4	0	1.5	1	0.325	0	2.072	-1	6.372	-1	2142	46	1.8
14375.8	10000	38.8946	95.5409	-242	QAL	2.8	1	9.5	0	1.4	1	0.299	-1	2.011	-1	6.723	-1	2068	40	1.8
14375.7	10000	38.8948	95.5401	-248	QAL	2.9	1	9.1	0	1.4	1	0.319	0	2.129	-1	6.679	-1	2043	60	1.8
14375.6	10000	38.8950	95.5394	-253	QAL	2.6	1	9.0	0	1.3	1	0.284	-1	1.952	-1	6.882	0	2023	55	1.8
14375.5	10000	38.8952	95.5386	-259	QAL	2.6	1	9.1	0	1.3	1	0.287	-1	2.051	-1	7.146	0	1997	39	1.8
14375.4	10000	38.8954	95.5379	-264	QAL	2.6	1	9.1	0	1.3	1	0.285	-1	2.019	-1	7.088	0	2019	37	1.8
14375.3	10000	38.8955	95.5371	-269	QAL	2.6	1	9.3	0	1.4	1	0.284	-1	1.955	-1	6.874	0	2058	44	1.8
14375.2	10000	38.8957	95.5364	-273	QAL	2.7	1	9.5	0	1.4	1	0.281	-1	1.891	-1	6.722	-1	2090	45	1.8
14375.1	10000	38.8959	95.5356	-278	QAL	2.8	1	9.8	0	1.5	1	0.282	-1	1.832	-1	6.503	-1	2121	34	1.8
14375.0	10000	38.8961	95.5349	-284	QAL	2.4	1	9.9	0	1.6	1	0.246	-1	1.572	-1	6.386	-1	2156	46	1.8
14374.9	10000	38.8963	95.5341	-290	QAL	2.8	1	10.0	1	1.6	1	0.283	-1	1.777	-1	6.277	-1	2202	48	1.8
14374.8	10000	38.8964	95.5334	-295	QAL	3.0	1	10.1	1	1.6	1	0.295	-1	1.819	-1	6.172	-1	2241	43	1.8
14374.7	10000	38.8966	95.5326	-299	QAL	2.7	1	10.4	1	1.6	1	0.259	-1	1.654	-1	6.374	-1	2259	40	1.8
14374.6	10000	38.8968	95.5318	-303	QAL	2.8	1	10.3	1	1.6	1	0.276	-1	1.790	-1	6.493	-1	2272	36	1.8
14374.5	10000	38.8970	95.5311	-307	QAL	2.9	1	10.7	1	1.6	1	0.274	-1	1.868	-1	6.815	-1	2281	46	1.8
14374.4	10000	38.8972	95.5303	-311	QAL	2.9	1	10.9	1	1.5	1	0.263	-1	1.910	-1	7.253	0	2296	46	1.8
14374.3	10000	38.8974	95.5296	-314	QAL	3.1	0	11.1	1	1.5	1	0.275	-1	2.000	-1	7.284	0	2292	52	1.8
14374.2	10000	38.8976	95.5288	-319	QAL	3.0	0	10.8	1	1.5	1	0.274	-1	1.934	-1	7.054	0	2281	52	1.8
14374.1	10000	38.8977	95.5281	-322	QAL	3.0	0	10.7	1	1.5	1	0.281	-1	1.996	-1	7.096	0	2260	50	1.8
14374.0	10000	38.8977	95.5273	-324	QAL	2.9	0	10.3	1	1.5	1	0.308	0	2.103	-1	6.837	0	2238	45	1.8
14373.9	10000	38.8977	95.5266	-327	QAL	2.9	0	10.4	1	1.5	1	0.276	-1	1.915	-1	6.950	0	2230	51	1.8
14373.8	10000	38.8977	95.5258	-330	QAL	2.9	0	10.4	1	1.5	1	0.275	-1	1.906	-1	6.937	0	2215	42	1.8

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14373.7	10000	38.8977	95.5251	-332	QAL	3.0	0	10.7	1	1.5	1	0.281	-1	1.999	-1	7.102	0	2204	50	1.8
14373.6	10000	38.8977	95.5244	-334	QAL	2.9	0	10.5	1	1.4	1	0.272	-1	2.014	-1	7.398	0	2188	51	1.8
14373.5	10000	38.8977	95.5236	-336	QAL	2.8	0	11.1	1	1.4	1	0.256	-1	2.046	-1	7.996	0	2190	65	1.8
14373.4	10000	38.8977	95.5229	-338	QAL	2.4	-1	11.0	1	1.4	1	0.223	-2	1.760	-1	7.890	0	2198	39	1.8
14373.3	10000	38.8977	95.5221	-339	QAL	2.4	-1	11.0	1	1.4	1	0.221	-2	1.724	-1	7.811	0	2199	50	1.8
14373.2	10000	38.8977	95.5214	-339	QAL	2.7	-1	10.7	1	1.4	0	0.249	-1	1.939	-1	7.785	0	2200	56	1.8
14373.1	10000	38.8977	95.5206	-340	QAL	2.8	0	10.5	1	1.4	0	0.272	-1	2.083	-1	7.657	0	2197	52	1.8
14373.0	10000	38.8977	95.5199	-341	QAL	2.8	-1	9.3	0	1.4	0	0.298	-1	2.031	-1	6.810	-1	2175	41	1.8
14372.9	10000	38.8977	95.5192	-342	QAL	3.0	0	8.9	0	1.4	1	0.341	0	2.191	-1	6.424	-1	2141	48	1.8
14372.8	10000	38.8977	95.5184	-343	QAL	3.0	0	8.3	-1	1.4	0	0.362	0	2.207	-1	6.090	-1	2101	38	1.8
14372.7	10000	38.8977	95.5177	-343	QAL	3.3	1	8.3	-1	1.4	0	0.401	1	2.452	0	6.114	-1	2077	41	1.8
14372.6	10000	38.8977	95.5169	-343	QAL	3.3	1	8.7	0	1.3	0	0.384	1	2.607	0	6.787	-1	2037	48	1.8
14372.5	10000	38.8977	95.5162	-342	QAL	3.0	0	8.7	0	1.3	0	0.350	0	2.367	0	6.762	-1	1988	42	1.8
14372.4	10000	38.8977	95.5155	-342	QAL	2.7	-1	8.6	0	1.3	0	0.317	0	2.185	-1	6.890	0	1950	53	1.8
14372.3	10000	38.8977	95.5147	-341	QAL	2.9	0	9.2	0	1.3	0	0.316	0	2.252	0	7.120	0	1963	45	1.8
14372.2	10000	38.8977	95.5140	-341	QAL	2.8	-1	9.7	0	1.3	0	0.282	-1	2.051	-1	7.263	0	2012	45	1.8
14372.1	10000	38.8977	95.5132	-341	QAL	2.8	0	9.8	0	1.4	0	0.289	-1	2.068	-1	7.150	0	2058	39	1.8
14372.0	10000	38.8977	95.5125	-340	QAL	2.8	0	10.2	1	1.4	0	0.276	-1	2.042	-1	7.387	0	2100	44	1.8
14371.9	10000	38.8977	95.5117	-339	QAL	3.1	0	9.8	0	1.5	1	0.318	0	2.125	-1	6.692	-1	2170	37	1.8
14371.8	10000	38.8977	95.5110	-337	QAL	3.3	1	9.9	1	1.5	1	0.336	0	2.285	0	6.799	-1	2223	38	1.8
14371.7	10000	38.8977	95.5103	-335	QAL	3.5	1	10.5	1	1.5	1	0.339	0	2.366	0	6.987	0	2271	46	1.8
14371.6	10000	38.8976	95.5095	-334	QAL	3.4	1	10.2	1	1.5	1	0.339	0	2.296	0	6.766	-1	2293	55	1.8
14371.5	10000	38.8977	95.5088	-333	QAL	3.4	1	10.1	1	1.5	1	0.334	0	2.224	0	6.652	-1	2298	60	1.8
14371.4	10000	38.8976	95.5080	-333	QAL	3.2	0	10.3	1	1.6	1	0.312	0	2.045	-1	6.548	-1	2305	40	1.8
14371.3	10000	38.8976	95.5073	-331	QAL	3.1	0	10.1	1	1.6	1	0.309	0	1.956	-1	6.321	-1	2302	37	1.8
14371.2	10000	38.8976	95.5066	-329	QAL	3.2	0	10.2	1	1.5	1	0.317	0	2.096	-1	6.609	-1	2276	37	1.8
14371.1	10000	38.8976	95.5058	-328	QAL	3.3	0	10.1	1	1.6	1	0.322	0	2.092	-1	6.504	-1	2276	37	1.8
14371.0	10000	38.8976	95.5051	-328	QAL	3.3	0	10.0	1	1.6	1	0.329	0	2.080	-1	6.328	-1	2284	55	1.8
14370.9	10000	38.8976	95.5043	-328	QAL	3.4	1	10.3	1	1.6	1	0.327	0	2.152	-1	6.572	-1	2289	33	1.8
14370.8	10000	38.8976	95.5036	-329	QAL	3.5	1	10.4	1	1.5	1	0.341	0	2.333	-1	6.845	-1	2294	51	1.8
14370.7	10000	38.8976	95.5028	-329	QAL	3.6	1	10.4	1	1.5	1	0.349	0	2.431	0	6.970	0	2298	37	1.8
14370.6	10000	38.8976	95.5021	-330	QAL	3.7	1	10.2	1	1.5	1	0.362	0	2.512	0	6.946	0	2286	48	1.8
14370.5	10000	38.8976	95.5014	-331	QAL	3.4	1	10.2	1	1.5	1	0.336	0	2.229	0	6.626	-1	2285	52	1.8
14370.4	10000	38.8976	95.5006	-333	QAL	3.4	1	10.1	1	1.6	1	0.333	0	2.095	-1	6.285	-1	2282	46	1.8
14370.3	10000	38.8976	95.4999	-335	QAL	3.2	0	9.9	1	1.6	1	0.321	0	1.964	-1	6.119	-1	2278	39	1.8
14370.2	10000	38.8976	95.4991	-337	QAL	3.3	0	9.8	1	1.7	1	0.334	0	1.929	-1	5.769	-1	2287	51	1.8
14370.1	10000	38.8976	95.4984	-340	QAL	3.3	1	9.5	1	1.7	1	0.347	0	1.916	-1	5.514	-1	2282	47	1.8
14370.0	10000	38.8976	95.4977	-343	QAL	3.8	1	9.4	1	1.7	1	0.399	0	2.163	-1	5.424	-1	2288	43	1.8
14369.9	10000	38.8976	95.4969	-345	QAL	3.7	1	9.4	1	1.7	1	0.393	0	2.140	-1	5.443	-1	2295	49	1.8
14369.8	10000	38.8976	95.4962	-346	QAL	3.6	1	9.5	1	1.7	1	0.376	0	2.108	-1	5.598	-1	2296	46	1.8
14369.7	10000	38.8976	95.4954	-348	QAL	3.5	1	9.6	1	1.7	1	0.362	0	2.066	-1	5.711	-1	2284	49	1.8
14369.6	10000	38.8976	95.4947	-351	PS	3.5	1	9.4	1	1.6	1	0.373	0	2.185	-1	5.864	-2	2245	62	1.8
14369.5	10000	38.8976	95.4939	-353	PS	3.1	1	9.2	1	1.5	1	0.335	0	2.041	-1	6.099	-2	2191	47	1.8
14369.4	10000	38.8976	95.4932	-355	PS	3.1	1	9.3	1	1.5	1	0.329	0	2.100	-1	6.386	-2	2151	51	1.8
14369.3	10000	38.8976	95.4925	-356	PS	2.4	-1	9.4	1	1.4	1	0.257	-2	1.701	-2	6.616	-1	2100	45	1.8
14369.2	10000	38.8976	95.4917	-357	PS	2.3	-2	9.5	1	1.4	1	0.245	-2	1.657	-2	6.759	-1	2058	50	1.8
14369.1	10000	38.8976	95.4910	-357	PS	2.5	-1	9.1	1	1.3	1	0.275	-2	1.864	-2	6.789	-1	2012	40	1.8
14369.0	10000	38.8976	95.4902	-359	PS	2.8	-1	8.6	1	1.2	1	0.320	-1	2.229	-1	6.963	-1	1964	49	1.8
14368.9	10000	38.8976	95.4895	-360	PS	2.6	-1	9.1	1	1.2	1	0.296	-1	2.053	-1	6.946	-1	1957	52	1.8
14368.8	10000	38.8976	95.4888	-361	PS	2.8	-1	9.0	1	1.2	1	0.306	-1	2.250	-1	7.355	-1	1966	54	1.8
14368.7	10000	38.8976	95.4880	-362	PS	2.4	-1	9.2	1	1.2	1	0.270	-1	2.019	-1	7.487	-1	1967	38	1.9
14368.6	10000	38.8976	95.4873	-362	PS	2.7	-1	9.2	1	1.2	0	0.290	-1	2.207	-1	7.608	-1	1974	48	1.

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14368.5	10000	38.8975	95.4865	-362	PS	2.8	-1	9.2	0	1.2	0	0.300	0	2.297	-1	7.643	-1	1998	56	1.9
14368.4	10000	38.8975	95.4858	-362	PS	2.6	-1	9.2	0	1.1	0	0.285	-1	2.282	-1	8.013	0	2016	46	1.9
14368.3	10000	38.8975	95.4850	-362	PS	2.8	-1	9.1	0	1.2	0	0.306	0	2.415	-1	7.903	0	2049	35	1.9
14368.2	10000	38.8975	95.4843	-363	PS	3.1	0	9.1	0	1.2	0	0.344	0	2.677	0	7.780	0	2063	53	1.9
14368.1	10000	38.8975	95.4836	-364	PS	3.0	0	8.9	-1	1.2	0	0.343	0	2.615	0	7.627	-1	2057	41	1.9
14368.0	10000	38.8975	95.4828	-364	PS	3.2	0	8.7	-1	1.2	0	0.370	1	2.700	0	7.295	-1	2077	45	1.9
14367.9	10000	38.8975	95.4821	-365	QAL	3.2	0	8.8	0	1.2	0	0.369	0	2.611	0	7.073	0	2104	40	1.9
14367.8	10000	38.8975	95.4813	-364	QAL	3.2	0	9.0	0	1.3	0	0.355	0	2.528	0	7.118	0	2125	49	1.9
14367.7	10000	38.8975	95.4806	-365	QAL	3.4	1	9.2	0	1.3	0	0.371	1	2.573	0	6.942	0	2151	42	1.9
14367.6	10000	38.8975	95.4799	-367	QAL	3.4	1	10.0	1	1.4	1	0.337	0	2.404	0	7.132	0	2169	33	1.9
14367.5	10000	38.8975	95.4791	-368	QAL	3.3	0	10.2	1	1.4	1	0.324	0	2.357	0	7.276	0	2184	53	1.9
14367.4	10000	38.8975	95.4784	-369	QAL	3.3	0	10.2	1	1.4	1	0.323	0	2.272	0	7.037	0	2191	45	1.9
14367.3	10000	38.8975	95.4776	-369	QAL	3.1	0	10.0	1	1.4	1	0.315	0	2.251	0	7.149	0	2132	57	1.9
14367.2	10000	38.8975	95.4769	-371	QAL	3.0	0	9.4	0	1.3	0	0.316	0	2.289	0	7.236	0	2049	45	1.9
14367.1	10000	38.8975	95.4762	-372	QAL	3.0	0	9.2	0	1.3	0	0.330	0	2.426	0	7.346	0	1959	57	1.9
14367.0	10000	38.8975	95.4754	-374	QAL	2.8	-1	9.0	0	1.2	0	0.308	0	2.298	0	7.471	0	1880	42	1.9
14366.9	10000	38.8975	95.4747	-375	QAL	2.5	-1	8.6	-1	1.1	-1	0.297	-1	2.290	0	7.719	0	1805	53	1.9
14366.8	10000	38.8975	95.4739	-377	QAL	2.4	-1	8.0	-1	1.1	-1	0.301	-1	2.244	0	7.451	0	1735	49	1.9
14366.7	10000	38.8975	95.4731	-379	QAL	2.2	-2	7.7	-1	1.0	-1	0.293	-1	2.249	0	7.666	0	1685	36	1.9
14366.6	10000	38.8975	95.4723	-381	QAL	2.3	-1	7.6	-1	1.0	-1	0.303	-1	2.293	0	7.577	0	1708	44	1.9
14366.5	10000	38.8974	95.4715	-382	WATER	2.3	999	7.9	999	1.0	999	0.295	999	2.209	999	7.501	999	1762	40	1.9
14366.4	10000	38.8974	95.4708	-383	WATER	2.2	999	8.0	999	1.1	999	0.271	999	1.937	999	7.150	999	1837	46	1.9
14366.3	10000	38.8974	95.4700	-386	WATER	2.1	999	8.3	999	1.2	999	0.255	999	1.755	999	6.895	999	1942	38	1.9
14366.2	10000	38.8974	95.4692	-388	WATER	2.2	999	8.9	999	1.3	999	0.250	999	1.731	999	6.931	999	2042	45	1.9
14366.1	10000	38.8974	95.4684	-390	WATER	2.4	999	9.1	999	1.4	999	0.264	999	1.772	999	6.713	999	2136	45	1.9
14366.0	10000	38.8974	95.4676	-393	WATER	2.7	999	9.6	999	1.4	999	0.282	999	1.909	999	6.772	999	2220	46	1.9
14365.9	10000	38.8974	95.4669	-395	WATER	3.0	999	9.7	999	1.5	999	0.306	999	2.005	999	6.544	999	2273	40	1.9
14365.8	10000	38.8974	95.4661	-397	WATER	3.1	999	9.9	999	1.5	999	0.316	999	2.016	999	6.386	999	2302	38	1.9
14365.7	10000	38.8973	95.4653	-399	WATER	3.3	999	9.9	999	1.6	999	0.338	999	2.120	999	6.280	999	2340	52	1.9
14365.6	10000	38.8973	95.4645	-401	WATER	3.8	999	10.1	999	1.6	999	0.372	999	2.347	999	6.310	999	2334	40	1.9
14365.5	10000	38.8973	95.4637	-404	WATER	3.5	999	9.9	999	1.6	999	0.353	999	2.177	999	6.162	999	2325	53	1.9
14365.4	10000	38.8973	95.4630	-407	WATER	3.6	999	10.2	999	1.6	999	0.351	999	2.174	999	6.186	999	2333	45	1.9
14365.3	10000	38.8973	95.4622	-410	WATER	3.5	999	9.9	999	1.7	999	0.349	999	2.067	999	5.925	999	2345	41	1.9
14365.2	10000	38.8973	95.4614	-411	WATER	3.6	999	10.2	999	1.7	999	0.350	999	2.079	999	5.949	999	2357	54	1.9
14365.1	10000	38.8973	95.4606	-413	WATER	3.3	999	10.1	999	1.7	999	0.327	999	1.925	999	5.885	999	2364	39	1.9
14365.0	10000	38.8973	95.4598	-416	WATER	3.4	999	10.2	999	1.7	999	0.328	999	1.975	999	6.025	999	2363	42	1.9
14364.9	10000	38.8972	95.4590	-418	WATER	3.1	999	10.5	999	1.7	999	0.301	999	1.842	999	6.126	999	2365	50	1.9
14364.8	10000	38.8972	95.4583	-421	WATER	3.2	999	10.3	999	1.8	999	0.308	999	1.761	999	5.713	999	2381	51	1.9
14364.7	10000	38.8972	95.4575	-425	WATER	3.1	999	10.4	999	1.8	999	0.296	999	1.731	999	5.845	999	2390	43	1.9
14364.6	10000	38.8972	95.4567	-426	WATER	3.4	999	10.5	999	1.8	999	0.321	999	1.899	999	5.913	999	2394	58	1.9
14364.5	10000	38.8972	95.4559	-429	WATER	3.1	999	10.5	999	1.8	999	0.298	999	1.784	999	5.997	999	2391	49	1.9
14364.4	10000	38.8972	95.4551	-431	WATER	3.3	999	10.7	999	1.8	999	0.309	999	1.864	999	6.033	999	2395	45	1.9
14364.3	10000	38.8972	95.4544	-433	WATER	3.3	999	10.9	999	1.8	999	0.302	999	1.841	999	6.104	999	2382	38	1.9
14364.2	10000	38.8971	95.4536	-435	WATER	3.2	999	10.6	999	1.8	999	0.306	999	1.773	999	5.804	999	2371	62	1.9
14364.1	10000	38.8971	95.4528	-438	WATER	3.1	999	10.5	999	1.8	999	0.297	999	1.761	999	5.928	999	2363	46	1.9
14364.0	10000	38.8971	95.4520	-441	WATER	3.0	999	10.8	999	1.7	999	0.274	999	1.700	999	6.197	999	2330	36	1.9
14363.9	10000	38.8971	95.4512	-443	WATER	2.8	999	10.5	999	1.7	999	0.268	999	1.687	999	6.298	999	2258	48	1.9
14363.8	10000	38.8971	95.4505	-444	WATER	2.7	999	10.2	999	1.6	999	0.261	999	1.646	999	6.310	999	2174	39	1.9
14363.7	10000	38.8971	95.4497	-445	WATER	2.5	999	9.6	999	1.5	999	0.267	999	1.670	999	6.264	999	2094	54	1.9
14363.6	10000	38.8971	95.4489	-448	WATER	2.3	999	8.9	999	1.5	999	0.263	999	1.594	999	6.053	999	2021	52	1.9
14363.5	10000	38.8971	95.4481	-450	WATER	2.4	999	8.6	999	1.3	999	0.283	999	1.830	999	6.460	999	1967	50	1.9
14363.4	10000	38.8970	95.4473	-453	WATER	2.9	999	8.2	999	1.2	999	0.350	999	2.364	999	6.750	999	1901	41	1.9

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14363.3	10000	38.8970	95.4465	-456	WATER	2.9	999	7.6	999	1.2	999	0.385	999	2.558	999	6.649	999	1866	37	1.9
14363.2	10000	38.8970	95.4458	-457	WATER	3.0	999	7.8	999	1.1	999	0.386	999	2.660	999	6.900	999	1880	49	1.9
14363.1	10000	38.8970	95.4450	-458	WATER	3.1	999	8.0	999	1.1	999	0.389	999	2.828	999	7.267	999	1887	39	1.9
14363.0	10000	38.8970	95.4442	-460	WATER	3.2	999	8.1	999	1.2	999	0.401	999	2.791	999	6.960	999	1916	51	1.9
14362.9	10000	38.8970	95.4434	-462	PD	3.4	0	8.0	-1	1.2	0	0.422	2	2.947	0	6.981	-1	1926	52	1.9
14362.8	10000	38.8970	95.4426	-464	PD	3.5	1	7.8	-2	1.1	0	0.451	2	3.070	0	6.807	-2	1933	46	1.9
14362.7	10000	38.8969	95.4419	-466	PD	3.5	1	8.2	-1	1.2	0	0.424	2	3.020	0	7.130	-1	1935	34	1.9
14362.6	10000	38.8969	95.4411	-467	PD	3.4	1	8.1	-1	1.2	1	0.420	2	2.875	0	6.847	-1	1922	43	1.9
14362.5	10000	38.8969	95.4403	-468	PD	3.2	0	7.9	-1	1.1	0	0.401	1	2.785	0	6.947	-1	1868	46	1.8
14362.4	10000	38.8969	95.4395	-467	PD	3.1	0	7.5	-2	1.1	0	0.409	1	2.721	0	6.661	-2	1824	43	1.8
14362.3	10000	38.8969	95.4387	-463	PD	3.2	0	7.2	-2	1.0	-1	0.448	2	3.239	0	7.232	-1	1740	48	1.8
14362.2	10000	38.8969	95.4380	-449	PD	3.1	0	6.7	-2	0.9	-1	0.467	2	3.315	1	7.105	-1	1677	38	1.8
14362.1	10000	38.8969	95.4372	-434	PD	2.7	-1	6.7	-2	0.9	-1	0.397	1	2.847	0	7.174	-1	1625	53	1.8
14362.0	10000	38.8969	95.4364	-444	PD	2.4	-2	6.4	-3	0.9	-1	0.385	1	2.588	-1	6.729	-2	1617	44	1.8
14361.9	10000	38.8968	95.4356	-463	PD	2.5	-1	6.3	-3	1.0	-1	0.395	1	2.506	-1	6.351	-2	1619	53	1.8
14361.8	10000	38.8968	95.4348	-476	PD	2.6	-1	6.3	-3	1.1	0	0.418	2	2.447	-1	5.859	-2	1664	51	1.8
14361.7	10000	38.8968	95.4341	-481	PD	2.6	-1	6.8	-2	1.1	0	0.380	1	2.342	-1	6.158	-2	1707	55	1.8
14361.6	10000	38.8968	95.4333	-484	PD	2.4	-2	7.2	-2	1.1	0	0.328	0	2.055	-1	6.274	-2	1748	50	1.8
14361.5	10000	38.8968	95.4325	-486	PD	2.4	-2	8.0	-1	1.2	1	0.296	-1	1.979	-2	6.698	-2	1799	34	1.8
14361.4	10000	38.8968	95.4317	-487	PD	2.7	-1	8.1	-1	1.2	1	0.328	0	2.170	-1	6.613	-2	1864	44	1.8
14361.3	10000	38.8968	95.4309	-488	PD	2.7	-1	8.2	-1	1.3	1	0.330	0	2.150	-1	6.512	-2	1873	57	1.8
14361.2	10000	38.8967	95.4301	-489	PD	2.7	-1	8.3	-1	1.2	1	0.332	0	2.274	-1	6.842	-1	1867	46	1.9
14361.1	10000	38.8967	95.4294	-491	PD	2.6	-1	8.1	-1	1.2	0	0.322	0	2.230	-1	6.930	-1	1847	37	1.9
14361.0	10000	38.8967	95.4286	-494	PS	2.6	-1	8.1	-1	1.2	0	0.316	0	2.214	-1	7.005	-1	1849	43	1.9
14360.9	10000	38.8967	95.4278	-496	PS	2.6	-1	8.4	-1	1.1	0	0.306	0	2.271	-1	7.410	-1	1878	46	1.9
14360.8	10000	38.8967	95.4270	-497	PS	2.7	-1	8.5	-1	1.1	0	0.314	0	2.370	-1	7.558	-1	1900	36	1.9
14360.7	10000	38.8967	95.4262	-498	PS	2.6	-1	8.9	-1	1.1	0	0.290	-1	2.311	-1	7.969	0	1907	49	1.9
14360.6	10000	38.8967	95.4255	-499	PS	2.5	-1	9.0	-1	1.1	0	0.274	-1	2.179	-1	7.968	0	1947	55	1.9
14360.5	10000	38.8967	95.4247	-502	PS	2.7	-1	9.1	0	1.2	0	0.294	-1	2.279	-1	7.749	0	2013	38	1.9
14360.4	10000	38.8966	95.4239	-503	PS	2.7	-1	9.6	0	1.2	0	0.282	-1	2.200	-1	7.795	0	2080	62	1.9
14360.3	10000	38.8966	95.4231	-505	PS	3.0	0	10.1	0	1.3	0	0.293	-1	2.326	-1	7.925	0	2140	36	1.9
14360.2	10000	38.8966	95.4223	-507	PS	2.9	0	10.2	0	1.3	1	0.287	-1	2.186	-1	7.606	-1	2186	50	1.9
14360.1	10000	38.8966	95.4216	-508	PS	3.0	0	10.6	0	1.4	1	0.288	-1	2.154	-1	7.469	-1	2219	43	1.9
14360.0	10000	38.8966	95.4208	-509	PS	3.1	0	10.4	0	1.5	2	0.296	-1	2.114	-1	7.140	-1	2236	53	1.9
14359.9	10000	38.8966	95.4200	-510	PS	3.1	0	10.5	0	1.5	2	0.296	-1	2.085	-1	7.039	-1	2229	53	1.9
14359.8	10000	38.8966	95.4192	-512	PS	3.0	0	10.5	0	1.5	2	0.283	-1	1.971	-1	6.962	-1	2225	52	1.9
14359.7	10000	38.8965	95.4184	-514	PS	3.1	0	10.5	0	1.5	2	0.299	-1	2.063	-1	6.896	-1	2219	35	1.9
14359.6	10000	38.8965	95.4177	-515	PS	3.2	0	9.8	0	1.5	2	0.327	0	2.127	-1	6.507	-1	2198	54	1.9
14359.5	10000	38.8965	95.4169	-516	PS	3.3	0	9.9	0	1.5	2	0.328	0	2.231	-1	6.794	-1	2181	43	1.9
14359.4	10000	38.8965	95.4161	-517	PS	3.1	0	9.8	0	1.4	2	0.315	0	2.152	-1	6.840	-1	2169	47	1.9
14359.3	10000	38.8965	95.4153	-517	PS	2.9	0	9.8	0	1.4	2	0.298	-1	2.050	-1	6.876	-1	2159	56	2.0
14359.2	10000	38.8965	95.4145	-518	PD	2.9	0	9.6	0	1.4	1	0.314	0	2.183	-1	6.954	-1	2168	31	2.0
14359.1	10000	38.8965	95.4138	-521	PD	2.9	0	9.5	0	1.4	1	0.300	-1	2.028	-2	6.752	-2	2157	37	2.0
14359.0	10000	38.8965	95.4130	-523	PD	3.0	0	9.7	0	1.4	1	0.307	-1	2.132	-1	6.945	-1	2158	40	2.0
14358.9	10000	38.8964	95.4122	-524	PD	3.2	0	10.1	0	1.4	1	0.316	0	2.352	-1	7.437	-1	2188	34	2.0
14358.8	10000	38.8964	95.4114	-524	PD	3.4	0	10.0	0	1.3	1	0.345	0	2.546	-1	7.388	-1	2214	37	2.0
14358.7	10000	38.8964	95.4106	-525	PD	3.5	0	9.9	0	1.3	1	0.354	0	2.619	-1	7.392	-1	2248	51	2.0
14358.6	10000	38.8964	95.4099	-527	PD	3.9	1	10.0	0	1.3	1	0.390	1	2.960	0	7.595	-1	2242	52	2.0
14358.5	10000	38.8964	95.4091	-529	PD	4.0	2	10.3	0	1.3	1	0.386	1	3.018	0	7.813	-1	2241	40	2.0
14358.4	10000	38.8964	95.4083	-531	WATER	4.2	999	11.1	999	1.2	999	0.379	999	3.520	999	9.279	999	2235	43	2.0
14358.3	10000	38.8964	95.4075	-532	WATER	4.3	999	10.8	999	1.1	999	0.395	999	3.717	999	9.422	999	2230	42	2.1
14358.2	10000	38.8963	95.4067	-533	WATER	3.8	999	10.6	999	1.2	999	0.362	999	3.325	999	9.183	999	2202	39	2.1

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
14358.1	10000	38.8963	95.4059	-534	WATER	3.7	999	10.5	999	1.2	999	0.353	999	3.166	999	8.979	999	2174	43	2.1
14358.0	10000	38.8963	95.4052	-534	WATER	3.7	999	10.0	999	1.1	999	0.375	999	3.334	999	8.900	999	2121	44	2.1
14357.9	10000	38.8963	95.4044	-536	WATER	3.6	999	9.7	999	1.1	999	0.368	999	3.212	999	8.718	999	2109	51	2.1
14357.8	10000	38.8963	95.4036	-538	WATER	3.5	999	9.6	999	1.1	999	0.360	999	3.178	999	8.829	999	2088	50	2.1
14357.7	10000	38.8963	95.4028	-539	WATER	3.4	999	9.0	999	1.1	999	0.379	999	3.115	999	8.219	999	2067	47	2.1
14357.6	10000	38.8963	95.4020	-540	WATER	3.1	999	9.3	999	1.1	999	0.332	999	2.766	999	8.326	999	2056	53	2.1
14357.5	10000	38.8962	95.4013	-540	WATER	3.1	999	8.9	999	1.1	999	0.347	999	2.783	999	8.016	999	2033	59	2.1
14357.4	10000	38.8962	95.4005	-541	WATER	3.2	999	9.0	999	1.1	999	0.357	999	2.800	999	7.843	999	2017	54	2.2
14357.3	10000	38.8962	95.3997	-543	WATER	2.9	999	9.1	999	1.2	999	0.322	999	2.466	999	7.645	999	1993	55	2.2
14357.2	10000	38.8962	95.3989	-544	WATER	2.8	999	9.0	999	1.1	999	0.316	999	2.501	999	7.924	999	1923	52	2.2
14357.1	10000	38.8962	95.3981	-545	WATER	2.7	999	8.3	999	1.0	999	0.330	999	2.615	999	7.930	999	1785	43	2.2
14357.0	10000	38.8962	95.3974	-546	WATER	2.3	999	7.5	999	1.0	999	0.302	999	2.389	999	7.908	999	1619	43	2.2
14356.9	10000	38.8962	95.3966	-547	WATER	2.2	999	6.6	999	0.8	999	0.332	999	2.777	999	8.360	999	1401	46	2.2
14356.8	10000	38.8962	95.3958	-548	WATER	2.0	999	5.7	999	0.6	999	0.343	999	3.177	999	9.270	999	1195	30	2.2
14356.7	10000	38.8961	95.3950	-549	WATER	1.4	999	4.3	999	0.4	999	0.326	999	3.258	999	9.993	999	977	38	2.2
14356.6	10000	38.8961	95.3942	-551	WATER	1.3	999	3.2	999	0.2	999	0.416	999	5.331	999	12.810	999	776	48	2.2
14356.5	10000	38.8961	95.3934	-552	WATER	1.1	999	2.3	999	0.1	999	0.470	999	7.352	999	15.647	999	615	47	2.2
14356.4	10100	38.8961	95.3927	-553	WATER	0.7	999	1.7	999	0.1	999	0.421	999	0.000	999	0.000	999	507	51	2.3
14356.3	10110	38.8961	95.3919	-554	WATER	0.7	999	1.4	999	0.0	999	0.000	999	0.000	999	0.000	999	435	40	2.3
14356.2	10110	38.8961	95.3911	-554	WATER	0.6	999	0.9	999	0.0	999	0.000	999	0.000	999	0.000	999	405	44	2.3
14356.1	10110	38.8961	95.3903	-556	WATER	0.6	999	1.0	999	0.0	999	0.000	999	0.000	999	0.000	999	381	43	2.3
14356.0	10110	38.8960	95.3895	-557	WATER	0.6	999	1.1	999	0.0	999	0.000	999	0.000	999	0.000	999	368	39	2.3
14355.9	10110	38.8960	95.3888	-558	WATER	0.5	999	1.2	999	0.0	999	0.000	999	0.000	999	0.000	999	365	37	2.3
14355.8	10110	38.8960	95.3880	-558	WATER	0.4	999	1.0	999	0.0	999	0.000	999	0.000	999	0.000	999	364	41	2.3
14355.7	10110	38.8960	95.3872	-558	WATER	0.5	999	0.8	999	0.0	999	0.000	999	0.000	999	0.000	999	369	47	2.3
14355.6	10110	38.8960	95.3864	-559	WATER	0.5	999	0.8	999	0.0	999	0.000	999	0.000	999	0.000	999	374	48	2.3
14355.5	10110	38.8960	95.3856	-560	WATER	0.5	999	0.8	999	0.0	999	0.000	999	0.000	999	0.000	999	373	46	2.3
14355.4	10111	38.8960	95.3849	-560	WATER	0.3	999	0.6	999	0.0	999	0.000	999	0.000	999	0.000	999	370	36	2.3
14355.3	10111	38.8960	95.3841	-560	WATER	0.3	999	0.5	999	0.0	999	0.000	999	0.000	999	0.000	999	368	39	2.3
14355.2	10111	38.8959	95.3833	-560	WATER	0.3	999	0.5	999	0.0	999	0.000	999	0.000	999	0.000	999	374	40	2.4
14355.1	10111	38.8959	95.3825	-562	WATER	0.3	999	0.6	999	0.0	999	0.000	999	0.000	999	0.000	999	376	39	2.4
14355.0	10111	38.8959	95.3817	-562	WATER	0.2	999	0.6	999	0.0	999	0.000	999	0.000	999	0.000	999	376	45	2.4
14354.9	10111	38.8959	95.3810	-562	WATER	0.1	999	0.6	999	0.0	999	0.000	999	0.000	999	0.000	999	378	46	2.4
14354.8	10111	38.8959	95.3802	-563	WATER	0.0	999	0.6	999	0.0	999	0.000	999	0.000	999	0.000	999	380	41	2.4
14354.7	10111	38.8959	95.3794	-563	WATER	0.1	999	0.6	999	0.0	999	0.000	999	0.000	999	0.000	999	397	45	2.4
14354.6	10111	38.8959	95.3786	-563	WATER	0.3	999	0.4	999	0.1	999	0.000	999	0.000	999	0.000	999	408	35	2.4
14354.5	10111	38.8959	95.3778	-565	WATER	0.3	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	408	47	2.4
14354.4	10111	38.8958	95.3770	-565	WATER	0.3	999	0.5	999	0.1	999	0.000	999	0.000	999	0.000	999	422	37	2.4
14354.3	10110	38.8958	95.3763	-565	WATER	0.5	999	0.7	999	0.1	999	0.000	999	0.000	999	0.000	999	432	43	2.4
14354.2	10110	38.8958	95.3755	-565	WATER	0.6	999	0.7	999	0.1	999	0.000	999	0.000	999	0.000	999	449	42	2.4
14354.1	10110	38.8958	95.3747	-566	WATER	0.5	999	0.8	999	0.1	999	0.000	999	0.000	999	0.000	999	455	41	2.4
14354.0	10110	38.8958	95.3739	-567	WATER	0.5	999	0.9	999	0.1	999	0.000	999	0.000	999	0.000	999	456	36	2.4
14353.9	10110	38.8958	95.3731	-569	WATER	0.4	999	0.9	999	0.1	999	0.000	999	0.000	999	0.000	999	463	45	2.4
14353.8	10010	38.8958	95.3724	-570	WATER	0.3	999	0.9	999	0.1	999	0.000	999	0.000	999	8.807	999	473	51	2.4
14353.7	10110	38.8957	95.3716	-571	WATER	0.4	999	0.9	999	0.1	999	0.000	999	0.000	999	0.000	999	474	38	2.4
14353.6	10110	38.8957	95.3708	-571	WATER	0.5	999	1.0	999	0.1	999	0.000	999	0.000	999	0.000	999	479	51	2.4
14353.5	10110	38.8957	95.3700	-573	WATER	0.5	999	0.9	999	0.1	999	0.000	999	0.000	999	0.000	999	475	33	2.4
14353.4	10110	38.8957	95.3692	-575	WATER	0.6	999	1.1	999	0.1	999	0.000	999	0.000	999	0.000	999	479	37	2.4
14353.3	10110	38.8957	95.3685	-577	PD	0.6	-5	1.1	-7	0.1	-6	0.000	-6	0.000	-5	0.000	-6	481	52	2.4
14353.2	10110	38.8957	95.3677	-578	PD	0.5	-6	1.2	-7	0.0	-6	0.000	-6	0.000	-5	0.000	-6	481	47	2.3
14353.1	10110	38.8957	95.3669	-579	PD	0.7	-5	1.2	-7	0.0	-6	0.000	-6	0.000	-5	0.000	-6	480	42	2.3
14353.0	10100	38.8956	95.3661	-581	PD	0.8	-5	1.1	-7	0.0	-6	0.707	7	0.000	-5	0.000	-6	478	39	2.3

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14352.9	10110	38.8956	95.3653	-583	PD	0.5	-6	0.9	-7	0.0	-6	0.000	-6	0.000	-5	0.000	-6	480	33	2.3
14352.8	10110	38.8956	95.3645	-586	PD	0.7	-5	1.0	-7	0.0	-6	0.000	-6	0.000	-5	0.000	-6	489	52	2.3
14352.7	10110	38.8956	95.3638	-588	PD	0.6	-5	0.8	-7	0.0	-6	0.000	-6	0.000	-5	0.000	-6	498	31	2.3
14352.6	10110	38.8956	95.3630	-589	PD	0.7	-5	0.9	-7	0.1	-6	0.000	-6	0.000	-5	0.000	-6	514	39	2.3
14352.5	10100	38.8956	95.3622	-590	PD	0.8	-5	1.0	-7	0.1	-6	0.827	9	0.000	-5	0.000	-6	546	46	2.3
14352.4	10100	38.8956	95.3614	-593	PD	0.9	-5	1.2	-7	0.1	-6	0.747	8	0.000	-5	0.000	-6	598	48	2.3
14352.3	10000	38.8955	95.3607	-595	PD	1.0	-5	1.5	-7	0.1	-6	0.657	6	7.259	7	11.045	1	690	49	2.3
14352.2	10000	38.8955	95.3599	-598	PD	1.3	-4	1.9	-7	0.3	-5	0.714	7	5.216	4	7.306	-1	823	41	2.3
14352.1	10000	38.8955	95.3591	-600	PD	1.5	-3	2.7	-6	0.4	-4	0.558	4	3.849	1	6.898	-1	985	38	2.3
14352.0	10000	38.8955	95.3583	-601	PD	1.8	-3	3.8	-5	0.6	-3	0.464	2	3.111	0	6.701	-2	1170	43	2.3
14351.9	10000	38.8955	95.3575	-603	PD	2.0	-2	4.6	-4	0.7	-2	0.435	2	2.708	0	6.224	-2	1370	46	2.2
14351.8	10000	38.8955	95.3568	-605	PD	2.2	-2	5.9	-3	0.9	-1	0.364	1	2.356	-1	6.469	-2	1576	52	2.2
14351.7	10000	38.8955	95.3561	-608	PD	2.5	-1	7.2	-2	1.1	0	0.351	0	2.371	-1	6.761	-2	1761	45	2.2
14351.6	10000	38.8955	95.3553	-609	PD	2.6	-1	8.5	-1	1.2	1	0.305	-1	2.168	-1	7.118	-1	1897	44	2.2
14351.5	10000	38.8955	95.3546	-611	PD	2.6	-1	9.5	0	1.2	1	0.268	-1	2.051	-2	7.665	-1	1990	33	2.2
14351.4	10000	38.8955	95.3539	-612	PD	2.7	-1	10.1	0	1.2	1	0.269	-1	2.174	-1	8.075	-1	2043	61	2.2
14351.3	10000	38.8956	95.3531	-614	PD	2.9	-1	9.8	0	1.2	1	0.299	-1	2.382	-1	7.969	-1	2062	53	2.2
14351.2	10000	38.8956	95.3524	-617	PD	3.1	0	10.0	0	1.2	1	0.307	0	2.556	-1	8.338	0	2060	47	2.2
14351.1	10000	38.8956	95.3517	-620	PD	3.3	0	9.5	0	1.2	0	0.344	0	2.782	0	8.098	-1	2039	42	2.1
14351.0	10000	38.8956	95.3509	-622	PD	3.1	0	9.1	0	1.1	0	0.347	0	2.734	0	7.873	-1	2019	47	2.1
14350.9	10000	38.8956	95.3502	-624	PD	3.4	0	8.3	-1	1.2	0	0.405	1	2.928	0	7.230	-1	1998	43	2.1
14350.8	10000	38.8956	95.3495	-625	PD	3.6	1	7.8	-2	1.1	0	0.465	2	3.188	0	6.853	-1	1973	39	2.1
14350.7	10000	38.8956	95.3487	-627	PD	3.4	0	7.5	-2	1.1	0	0.454	2	2.965	0	6.532	-2	1980	37	2.1
14350.6	10000	38.8956	95.3480	-629	PD	3.5	1	8.1	-1	1.2	1	0.428	2	2.897	0	6.766	-2	2020	51	2.1
14350.5	10000	38.8956	95.3473	-632	PD	3.6	1	8.7	-1	1.2	1	0.409	1	2.884	0	7.048	-1	2049	47	2.1
14350.4	10000	38.8957	95.3465	-632	PD	3.8	1	8.9	-1	1.3	1	0.422	2	2.839	0	6.729	-2	2073	37	2.1
14350.3	10000	38.8957	95.3458	-632	PD	3.6	1	8.8	-1	1.4	2	0.407	1	2.604	-1	6.403	-2	2083	47	2.0
14350.2	10000	38.8957	95.3451	-634	PD	3.3	0	8.7	-1	1.4	2	0.380	1	2.403	-1	6.316	-2	2079	57	2.0
14350.1	10000	38.8957	95.3443	-636	PD	3.2	0	9.1	0	1.4	2	0.354	0	2.273	-1	6.414	-2	2105	50	2.0
14350.0	10000	38.8957	95.3436	-638	PD	3.1	0	9.2	0	1.4	2	0.342	0	2.094	-1	6.128	-2	2125	36	2.0
14349.9	10000	38.8957	95.3428	-641	PD	3.0	0	9.2	0	1.5	2	0.326	0	2.035	-2	6.240	-2	2140	51	2.0
14349.8	10000	38.8957	95.3421	-640	PD	3.0	0	9.2	0	1.4	2	0.340	0	2.059	-2	6.058	-2	2131	46	2.0
14349.7	10000	38.8957	95.3414	-640	PD	3.0	0	9.2	0	1.4	2	0.320	0	1.950	-2	6.086	-2	2110	53	1.9
14349.6	10000	38.8957	95.3407	-642	PS	3.0	0	9.2	0	1.4	2	0.328	0	2.049	-2	6.238	-2	2107	58	1.9
14349.5	10000	38.8958	95.3399	-644	PS	3.0	0	9.2	0	1.4	2	0.357	0	2.282	-2	6.399	-2	2118	45	1.9
14349.4	10000	38.8958	95.3392	-645	PS	3.0	0	9.2	0	1.4	2	0.361	0	2.345	-1	6.495	-2	2115	47	1.9
14349.3	10000	38.8958	95.3385	-645	PS	3.0	0	9.2	0	1.4	2	0.359	0	2.439	-1	6.796	-1	2105	57	1.9
14349.2	10000	38.8958	95.3377	-644	PS	3.0	0	9.2	0	1.4	2	0.375	0	2.512	-1	6.704	-1	2080	31	1.9
14349.1	10000	38.8958	95.3370	-644	PS	3.0	0	9.2	0	1.4	2	0.389	0	2.458	-2	6.313	-2	2084	39	1.9
14349.0	10000	38.8958	95.3363	-645	PS	3.0	0	9.2	0	1.4	2	0.384	0	2.466	-2	6.418	-2	2116	55	1.9
14348.9	10000	38.8958	95.3355	-645	PS	3.0	0	9.2	0	1.4	2	0.377	0	2.472	-1	6.553	-1	2140	44	1.8
14348.8	10000	38.8958	95.3348	-644	PS	3.0	0	9.2	0	1.4	2	0.349	0	2.315	-1	6.636	-1	2151	60	1.8
14348.7	10000	38.8958	95.3341	-643	PS	3.0	0	9.2	0	1.4	2	0.363	0	2.312	-2	6.372	-2	2157	50	1.8
14348.6	10000	38.8959	95.3333	-643	PS	3.0	0	9.2	0	1.4	2	0.397	0	2.487	-2	6.266	-2	2156	48	1.8
14348.5	10000	38.8959	95.3326	-643	PS	3.0	0	9.2	0	1.4	2	0.408	0	2.428	-2	5.951	-2	2148	41	1.8
14348.4	10000	38.8959	95.3318	-642	PS	3.0	0	9.2	0	1.4	2	0.416	0	2.502	-2	6.018	-2	2142	39	1.8
14348.3	10000	38.8959	95.3311	-640	PS	3.0	0	9.2	0	1.4	2	0.441	0	2.624	-2	5.954	-2	2143	42	1.8
14348.2	10000	38.8959	95.3304	-639	PS	3.0	0	9.2	0	1.4	2	0.444	0	2.619	-2	5.897	-2	2129	46	1.8
14348.1	10000	38.8959	95.3297	-639	PS	3.0	0	9.2	0	1.4	2	0.448	0	2.680	-2	5.979	-2	2138	47	1.7
14348.0	10000	38.8959	95.3289	-638	PS	3.0	0	9.2	0	1.4	2	0.439	0	2.655	-2	6.047	-2	2165	48	1.7
14347.9	10000	38.8959	95.3282	-636	PS	3.0	0	9.2	0	1.4	2	0.431	0	2.602	-2	6.035	-2	2182	42	1.7
14347.8	10000	38.8959	95.3275	-634	PD	3.0	0	9.2	0	1.5	2	0.391	0	2.571	-1	6.572	-2	2196	48	1.7

620

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14347.7	10000	38.8960	95.3267	-633	PD	3.3	0	9.6	0	1.4	2	0.344	0	2.374	-1	6.900	-1	2174	47	1.7
14347.6	10000	38.8960	95.3260	-632	PD	3.0	0	9.7	0	1.4	2	0.308	0	2.181	-1	7.081	-1	2135	46	1.7
14347.5	10000	38.8960	95.3253	-631	PD	2.9	-1	9.9	0	1.3	1	0.291	-1	2.144	-1	7.361	-1	2126	45	1.7
14347.4	10000	38.8960	95.3245	-630	PD	2.8	-1	10.0	0	1.4	2	0.277	-1	2.005	-2	7.242	-1	2131	46	1.7
14347.3	10000	38.8960	95.3238	-628	PD	2.7	-1	9.7	0	1.3	1	0.279	-1	2.025	-2	7.268	-1	2118	36	1.7
14347.2	10000	38.8960	95.3231	-626	PD	2.6	-1	10.2	0	1.3	1	0.258	-1	2.038	-2	7.902	-1	2121	40	1.7
14347.1	10000	38.8960	95.3223	-626	PD	2.7	-1	10.3	1	1.3	1	0.264	-1	2.043	-2	7.748	-1	2130	53	1.6
14347.0	10000	38.8960	95.3216	-626	PD	2.9	-1	10.6	1	1.3	1	0.270	-1	2.129	-1	7.877	-1	2166	54	1.6
14346.9	10000	38.8960	95.3208	-624	PD	3.0	0	10.9	1	1.4	2	0.273	-1	2.157	-1	7.898	-1	2203	44	1.6
14346.8	10000	38.8961	95.3201	-623	PD	2.9	-1	10.6	1	1.4	2	0.274	-1	2.095	-1	7.660	-1	2192	46	1.6
14346.7	10000	38.8961	95.3194	-622	PD	3.0	0	10.7	1	1.3	1	0.276	-1	2.290	-1	8.291	0	2174	41	1.6
14346.6	10000	38.8961	95.3186	-622	QAL	3.0	0	10.9	1	1.3	0	0.274	-1	2.297	0	8.389	1	2154	35	1.6
14346.5	10000	38.8961	95.3179	-622	QAL	3.1	0	10.6	1	1.3	0	0.294	-1	2.336	0	7.933	0	2153	36	1.6
14346.4	10000	38.8961	95.3172	-621	QAL	3.3	0	10.1	1	1.3	0	0.327	0	2.557	0	7.821	0	2154	36	1.6
14346.3	10000	38.8961	95.3165	-620	QAL	3.5	1	10.1	1	1.3	0	0.350	0	2.690	0	7.694	0	2150	37	1.6
14346.2	10000	38.8961	95.3157	-620	QAL	3.6	1	10.0	1	1.3	0	0.358	0	2.858	0	7.985	0	2127	48	1.6
14346.1	10000	38.8961	95.3150	-621	QAL	3.7	1	10.3	1	1.3	0	0.359	0	2.927	1	8.143	0	2132	38	1.6
14346.0	10000	38.8961	95.3143	-622	QAL	3.9	2	10.2	1	1.3	0	0.381	1	2.941	1	7.726	0	2124	49	1.6
14345.9	10000	38.8962	95.3135	-622	QAL	3.7	1	10.0	1	1.3	0	0.371	1	2.841	0	7.653	0	2101	43	1.6
14345.8	10000	38.8962	95.3128	-622	QAL	3.6	1	9.8	0	1.3	0	0.365	0	2.808	0	7.701	0	2065	40	1.6
14345.7	10000	38.8962	95.3121	-621	QAL	3.3	1	9.8	0	1.3	0	0.343	0	2.540	0	7.405	0	2051	41	1.6
14345.6	10000	38.8962	95.3113	-622	QAL	3.1	0	9.4	0	1.3	0	0.335	0	2.364	0	7.062	0	2057	53	1.6
14345.5	10000	38.8962	95.3106	-624	QAL	3.1	0	9.8	0	1.4	1	0.321	0	2.246	0	6.992	0	2073	43	1.6
14345.4	10000	38.8962	95.3098	-624	QAL	3.2	0	9.5	0	1.4	1	0.339	0	2.217	0	6.531	-1	2096	44	1.6
14345.3	10000	38.8962	95.3091	-623	QAL	3.2	0	9.1	0	1.4	1	0.351	0	2.243	0	6.387	-1	2107	59	1.5
14345.2	10000	38.8962	95.3084	-624	QAL	3.4	1	9.2	0	1.5	1	0.370	1	2.298	0	6.205	-1	2143	41	1.5
14345.1	10000	38.8962	95.3076	-624	QAL	3.3	0	9.6	0	1.5	1	0.343	0	2.167	-1	6.310	-1	2157	42	1.5
14345.0	10000	38.8962	95.3069	-625	QAL	3.4	1	9.7	0	1.5	1	0.350	0	2.281	0	6.516	-1	2171	39	1.5
14344.9	10000	38.8963	95.3062	-624	QAL	3.6	1	9.9	1	1.5	1	0.367	0	2.450	0	6.681	-1	2167	57	1.5
14344.8	10000	38.8963	95.3055	-622	QAL	3.6	1	9.5	1	1.5	1	0.380	0	2.464	0	6.489	-1	2178	43	1.5
14344.7	10000	38.8963	95.3047	-621	QAL	3.8	1	9.8	1	1.5	1	0.386	0	2.661	0	6.892	0	2183	47	1.5
14344.6	10000	38.8963	95.3040	-623	QAL	3.8	1	9.6	1	1.5	1	0.398	0	2.630	-1	6.604	-1	2195	41	1.5
14344.5	10000	38.8963	95.3033	-623	QAL	3.5	1	10.0	1	1.5	1	0.355	0	2.482	0	7.001	0	2185	49	1.5
14344.4	10000	38.8963	95.3025	-623	QAL	3.5	1	9.9	1	1.5	1	0.356	0	2.424	-1	6.805	-1	2209	41	1.5
14344.3	10000	38.8963	95.3018	-623	QAL	3.5	1	9.6	1	1.5	1	0.364	0	2.372	-1	6.507	-1	2206	46	1.5
14344.2	10000	38.8963	95.3011	-622	QAL	3.5	1	9.7	1	1.5	1	0.356	0	2.349	-1	6.597	-1	2209	54	1.5
14344.1	10000	38.8964	95.3003	-621	QAL	3.4	1	9.6	1	1.5	1	0.353	0	2.315	-1	6.554	-1	2168	46	1.5
14344.0	10000	38.8964	95.2996	-621	PD	3.3	1	9.6	1	1.5	1	0.348	0	2.292	-2	6.588	-2	2130	35	1.5
14343.9	10000	38.8964	95.2988	-620	PD	3.0	1	9.3	1	1.4	1	0.327	0	2.147	-2	6.569	-2	2075	44	1.5
14343.8	10000	38.8964	95.2981	-619	PD	3.5	1	9.5	1	1.4	1	0.409	0	2.592	-2	6.336	-2	2035	44	1.5
14343.7	10000	38.8964	95.2974	-617	PD	3.8	1	9.3	1	1.4	1	0.458	0	2.937	-2	6.416	-2	1997	38	1.5
14343.6	10000	38.8964	95.2966	-616	PD	3.8	1	9.0	1	1.4	1	0.470	0	2.865	-2	6.101	-2	1969	46	1.5
14343.5	10000	38.8964	95.2959	-616	PD	3.7	1	8.8	1	1.4	1	0.484	0	2.925	-2	6.038	-2	1969	46	1.5
14343.4	10000	38.8964	95.2952	-616	PD	4.0	1	8.7	1	1.4	1	0.520	0	3.204	-2	6.161	-2	1988	55	1.5
14343.3	10000	38.8964	95.2944	-615	PD	4.0	2	8.7	1	1.4	1	0.522	0	3.257	-2	6.234	-2	2003	42	1.5
14343.2	10000	38.8964	95.2937	-613	PD	4.2	2	8.8	1	1.4	1	0.525	0	3.238	-2	6.167	-2	2058	47	1.5
14343.1	10000	38.8965	95.2930	-611	PD	3.7	1	8.6	1	1.4	1	0.456	0	2.800	-2	6.139	-2	2112	37	1.5
14343.0	10000	38.8965	95.2923	-611	PD	3.7	1	8.8	1	1.4	1	0.435	0	2.629	-2	6.039	-2	2152	46	1.5
14342.9	10000	38.8965	95.2915	-611	PD	3.6	1	8.8	1	1.4	1	0.412	0	2.668	-2	6.478	-2	2181	49	1.5
14342.8	10000	38.8965	95.2908	-611	PD	3.2	1	8.3	1	1.4	1	0.386	0	2.550	-2	6.615	-2	2185	40	1.5
14342.7	10000	38.8965	95.2900	-609	PD	3.1	1	8.4	1	1.4	1	0.344	0	2.269	-2	6.592	-2	2173	49	1.5
14342.6	10000	38.8965	95.2893	-608	PD	3.1	1	8.4	1	1.4	2	0.326	0	2.175	-1	6.672	-2	2150	52	1.5

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14342.5	10000	38.8965	95.2886	-608	PD	3.1	0	9.4	0	1.3	1	0.327	0	2.342	-1	7.159	-1	2105	44	1.5
14342.4	10000	38.8965	95.2878	-608	PD	3.2	0	9.1	0	1.3	1	0.347	0	2.520	-1	7.263	-1	2051	38	1.5
14342.3	10000	38.8966	95.2871	-609	PD	2.9	0	8.9	-1	1.2	1	0.331	0	2.441	-1	7.371	-1	2000	56	1.5
14342.2	10000	38.8966	95.2864	-609	PD	2.9	-1	9.1	0	1.2	1	0.323	0	2.453	-1	7.590	-1	1986	52	1.5
14342.1	10000	38.8966	95.2856	-608	PD	2.9	-1	8.8	-1	1.2	1	0.332	0	2.434	-1	7.324	-1	1977	48	1.5
14342.0	10000	38.8966	95.2849	-608	PD	3.1	0	8.7	-1	1.2	0	0.360	1	2.686	0	7.455	-1	1989	54	1.5
14341.9	10000	38.8966	95.2842	-608	PD	3.4	0	8.8	-1	1.2	1	0.383	1	2.848	0	7.432	-1	2031	36	1.5
14341.8	10000	38.8966	95.2834	-609	PS	3.3	0	9.1	0	1.2	0	0.358	1	2.652	0	7.416	-1	2067	50	1.5
14341.7	10000	38.8966	95.2827	-609	PS	3.4	1	9.9	0	1.3	1	0.342	0	2.624	0	7.663	-1	2116	45	1.5
14341.6	10000	38.8966	95.2820	-608	PS	3.5	1	10.1	0	1.3	1	0.343	0	2.659	0	7.759	0	2159	57	1.5
14341.5	10000	38.8966	95.2813	-608	PS	3.5	1	9.7	0	1.3	1	0.365	1	2.673	0	7.320	-1	2175	31	1.5
14341.4	10000	38.8966	95.2805	-609	PS	3.7	1	10.0	0	1.3	1	0.370	1	2.839	0	7.677	-1	2182	34	1.5
14341.3	10000	38.8967	95.2798	-609	PS	3.6	1	10.3	1	1.3	1	0.351	0	2.738	0	7.801	0	2163	51	1.5
14341.2	10000	38.8967	95.2790	-607	PS	3.4	1	10.0	0	1.3	1	0.344	0	2.647	0	7.688	0	2136	45	1.5
14341.1	10000	38.8967	95.2783	-606	PS	3.5	1	10.1	0	1.3	1	0.345	0	2.723	0	7.888	0	2122	38	1.5
14341.0	10000	38.8967	95.2776	-605	PS	3.6	1	9.6	0	1.2	0	0.371	1	2.882	0	7.763	0	2113	48	1.5
14340.9	10000	38.8967	95.2768	-605	PS	3.8	1	9.2	0	1.2	0	0.407	1	3.157	1	7.749	0	2100	47	1.5
14340.8	10000	38.8967	95.2761	-606	PS	3.8	1	9.7	0	1.1	0	0.393	1	3.469	2	8.817	0	2076	51	1.5
14340.7	10000	38.8967	95.2754	-605	PS	3.8	1	10.1	0	1.1	0	0.380	1	3.468	2	9.115	1	2071	50	1.5
14340.6	10000	38.8967	95.2746	-603	PS	3.8	1	9.9	0	1.1	0	0.388	1	3.358	1	8.663	0	2088	52	1.5
14340.5	10000	38.8967	95.2739	-603	PS	3.8	1	10.1	0	1.2	0	0.376	1	3.252	1	8.650	0	2093	46	1.5
14340.4	10000	38.8968	95.2732	-603	PD	4.0	2	9.9	0	1.2	1	0.404	1	3.322	1	8.216	-1	2108	33	1.5
14340.3	10000	38.8968	95.2724	-603	PD	3.9	2	10.0	0	1.2	1	0.392	1	3.174	0	8.104	-1	2116	48	1.5
14340.2	10000	38.8968	95.2717	-602	PD	4.0	2	10.4	1	1.2	1	0.384	1	3.202	0	8.341	0	2153	40	1.5
14340.1	10000	38.8968	95.2710	-601	PD	4.1	2	10.2	0	1.3	1	0.401	1	3.130	0	7.810	-1	2162	39	1.5
14340.0	10000	38.8968	95.2702	-601	PD	4.1	2	10.2	0	1.3	1	0.405	1	3.141	0	7.760	-1	2191	50	1.5
14339.9	10000	38.8968	95.2695	-601	PD	4.0	2	10.6	1	1.3	1	0.381	1	3.128	0	8.220	-1	2198	33	1.5
14339.8	10000	38.8968	95.2688	-600	PD	4.3	2	10.6	1	1.3	1	0.404	1	3.375	1	8.349	0	2212	55	1.5
14339.7	10000	38.8968	95.2680	-598	PD	4.0	2	10.6	1	1.2	1	0.388	1	3.283	1	8.463	0	2192	45	1.5
14339.6	10000	38.8968	95.2673	-598	PD	3.9	2	10.4	1	1.2	1	0.364	1	3.314	1	9.109	0	2181	48	1.5
14339.5	10000	38.8969	95.2666	-598	PD	3.6	2	10.2	1	1.2	1	0.334	1	3.103	1	9.302	0	2140	35	1.5
14339.4	10000	38.8969	95.2658	-597	PD	3.3	2	10.0	1	1.1	1	0.303	1	2.939	1	9.710	0	2134	41	1.5
14339.3	10000	38.8969	95.2651	-597	PD	3.2	2	9.8	1	1.1	1	0.299	1	2.867	1	9.583	0	2118	47	1.5
14339.2	10000	38.8969	95.2644	-596	PD	3.4	2	10.0	1	1.1	1	0.313	1	3.127	1	10.000	1	2114	40	1.5
14339.1	10000	38.8969	95.2636	-596	PD	3.2	2	10.4	1	1.1	1	0.294	1	2.956	1	10.061	1	2098	37	1.5
14339.0	10000	38.8969	95.2629	-597	PD	3.2	2	10.7	1	1.1	1	0.283	1	2.961	1	10.457	1	2090	41	1.5
14338.9	10000	38.8969	95.2622	-598	PD	3.1	2	10.5	1	1.1	1	0.290	1	2.853	1	9.825	0	2048	44	1.5
14338.8	10000	38.8969	95.2614	-596	PD	3.2	2	10.2	1	1.1	1	0.314	1	2.897	1	9.241	0	2017	43	1.5
14338.7	10000	38.8969	95.2607	-596	PD	3.2	2	10.2	1	1.1	1	0.314	1	2.805	1	8.936	0	2002	42	1.5
14338.6	10000	38.8969	95.2599	-595	PD	3.3	2	10.1	1	1.2	1	0.325	1	2.703	1	8.313	0	1986	45	1.5
14338.5	10000	38.8969	95.2592	-596	PD	3.2	2	9.9	1	1.2	1	0.343	1	2.739	1	7.978	-1	1962	45	1.5
14338.4	10000	38.8969	95.2584	-594	PD	3.2	2	9.8	1	1.2	1	0.349	1	2.729	1	7.822	-1	1960	36	1.5
14338.3	10000	38.8969	95.2576	-593	PD	3.4	2	9.9	1	1.2	1	0.377	1	2.935	1	7.776	-1	1975	44	1.5
14338.2	10000	38.8969	95.2569	-592	PD	3.4	2	9.9	1	1.2	1	0.372	1	2.922	1	7.865	-1	2016	42	1.5
14338.1	10000	38.8969	95.2561	-592	PD	3.4	2	9.9	1	1.2	1	0.362	1	2.886	1	7.980	-1	2043	44	1.5
14338.0	10000	38.8969	95.2553	-592	PD	3.4	2	9.9	1	1.2	1	0.366	1	2.905	1	7.931	-1	2063	43	1.5
14337.9	10000	38.8969	95.2546	-591	PD	3.5	2	9.9	1	1.2	1	0.357	1	3.010	1	8.177	-1	2074	51	1.5
14337.8	10000	38.8968	95.2538	-590	PD	3.3	2	9.7	1	1.2	1	0.336	1	2.813	1	7.882	-1	2095	43	1.5
14337.7	10000	38.8968	95.2531	-589	PD	3.2	2	9.6	1	1.2	1	0.326	1	2.663	1	7.925	-1	2112	43	1.5
14337.6	10000	38.8968	95.2523	-589	PD	3.1	2	9.5	1	1.2	1	0.341	1	2.583	1	7.322	-1	2111	47	1.5
14337.5	10000	38.8968	95.2515	-588	PD	3.2	2	9.5	1	1.3	1	0.326	1	2.559	1	7.495	-1	2106	54	1.5
14337.4	10000	38.8968	95.2507	-586	PD	3.2	2	9.5	1	1.3	1	0.326	1	2.530	1	7.749	-1	2116	47	1.5

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14337.3	10000	38.8968	95.2500	-585	PD	3.4	0	10.1	0	1.3	1	0.335	0	2.678	0	7.984	-1	2106	47	1.5
14337.2	10000	38.8968	95.2492	-584	PD	3.6	1	10.1	0	1.2	1	0.358	0	3.060	0	8.539	0	2085	40	1.5
14337.1	10000	38.8968	95.2485	-584	QAL	3.7	1	10.2	1	1.1	0	0.365	0	3.274	1	8.960	1	2069	41	1.5
14337.0	10000	38.8968	95.2477	-583	QAL	3.9	2	9.9	1	1.2	0	0.395	1	3.387	1	8.574	1	2073	36	1.5
14336.9	10000	38.8968	95.2469	-582	QAL	3.9	2	10.1	1	1.1	-1	0.385	1	3.511	1	9.110	1	2075	40	1.5
14336.8	10000	38.8967	95.2462	-580	QAL	3.7	1	10.1	1	1.1	-1	0.370	1	3.320	1	8.965	1	2090	52	1.5
14336.7	10000	38.8967	95.2454	-579	QAL	3.8	1	10.0	1	1.1	-1	0.381	1	3.524	1	9.248	1	2100	49	1.5
14336.6	10000	38.8967	95.2446	-581	QAL	4.0	2	9.6	0	1.1	-1	0.420	1	3.718	2	8.856	1	2118	49	1.5
14336.5	10000	38.8967	95.2439	-580	QAL	3.8	1	10.0	1	1.1	-1	0.381	1	3.421	1	8.983	1	2138	50	1.5
14336.4	10000	38.8967	95.2431	-579	QAL	3.8	1	9.9	1	1.1	-1	0.388	1	3.452	1	8.909	1	2143	36	1.5
14336.3	10000	38.8967	95.2423	-579	QAL	3.7	1	9.9	1	1.1	-1	0.375	1	3.534	1	9.420	1	2123	37	1.5
14336.2	10000	38.8967	95.2416	-579	QAL	3.9	2	9.8	0	1.1	-1	0.396	1	3.620	2	9.135	1	2115	48	1.5
14336.1	10000	38.8967	95.2408	-579	QAL	4.1	2	9.7	0	1.1	-1	0.421	1	3.748	2	8.912	1	2130	44	1.5
14336.0	10000	38.8967	95.2400	-578	QAL	4.2	2	9.3	0	1.1	-1	0.452	2	3.725	2	8.247	0	2134	50	1.5
14335.9	10000	38.8967	95.2393	-576	QAL	4.2	2	9.5	0	1.1	0	0.442	2	3.650	2	8.264	0	2136	39	1.5
14335.8	10000	38.8966	95.2385	-575	PD	4.1	2	9.4	0	1.2	1	0.434	2	3.415	1	7.862	-1	2150	44	1.5
14335.7	10000	38.8966	95.2377	-577	PD	4.1	2	9.6	0	1.2	1	0.422	2	3.253	0	7.705	-1	2151	46	1.5
14335.6	10000	38.8966	95.2370	-580	PD	4.0	2	9.9	0	1.3	1	0.404	1	3.088	0	7.644	-1	2165	46	1.5
14335.5	10000	38.8966	95.2362	-582	PD	3.8	1	10.1	0	1.3	1	0.377	1	2.955	0	7.838	-1	2162	44	1.5
14335.4	10000	38.8966	95.2354	-581	PD	3.5	1	10.1	0	1.3	1	0.347	0	2.725	0	7.844	-1	2135	52	1.5
14335.3	10000	38.8966	95.2347	-581	PD	3.4	1	10.4	1	1.3	1	0.326	0	2.624	-1	8.048	-1	2137	44	1.5
14335.2	10000	38.8966	95.2339	-582	PD	3.1	0	10.7	1	1.3	1	0.289	-1	2.464	-1	8.517	0	2129	50	1.5
14335.1	10000	38.8966	95.2332	-581	PD	3.1	0	10.5	1	1.2	1	0.299	-1	2.516	-1	8.424	0	2117	33	1.5
14335.0	10000	38.8966	95.2324	-578	PD	3.3	0	10.4	1	1.2	1	0.313	0	2.711	0	8.648	0	2123	47	1.5
14334.9	10000	38.8965	95.2316	-575	PD	3.3	0	10.3	1	1.2	1	0.323	0	2.781	0	8.621	0	2116	44	1.5
14334.8	10000	38.8965	95.2309	-576	PD	3.4	0	10.4	1	1.2	1	0.326	0	2.844	0	8.713	0	2134	36	1.5
14334.7	10000	38.8965	95.2301	-576	PD	3.5	0	10.4	1	1.2	1	0.345	0	3.053	0	8.860	0	2125	35	1.5
14334.6	10000	38.8965	95.2293	-577	PD	3.4	0	10.3	1	1.2	1	0.333	0	2.921	0	8.775	0	2098	47	1.5
14334.5	10000	38.8965	95.2286	-577	PD	3.6	0	10.7	1	1.2	1	0.368	0	3.040	0	8.267	0	2080	52	1.5
14334.4	10000	38.8965	95.2278	-575	QGD	3.2	0	9.7	1	1.1	0	0.341	0	2.945	0	8.639	0	2067	49	1.5
14334.3	10000	38.8965	95.2270	-575	QGD	3.3	0	9.8	1	1.2	1	0.316	0	2.632	0	8.341	0	2073	39	1.5
14334.2	10000	38.8965	95.2263	-573	QGD	3.2	0	9.8	1	1.2	1	0.313	0	2.508	0	8.004	0	2078	43	1.5
14334.1	10000	38.8965	95.2255	-572	QGD	3.1	0	9.7	1	1.2	1	0.305	0	2.356	0	7.717	0	2055	47	1.5
14334.0	10000	38.8965	95.2247	-570	QGD	3.0	0	10.0	1	1.2	1	0.294	-1	2.339	0	7.968	0	2057	49	1.5
14333.9	10000	38.8964	95.2240	-569	QGD	3.1	0	10.1	1	1.3	1	0.303	-1	2.417	0	7.978	0	2049	49	1.5
14333.8	10000	38.8964	95.2232	-567	QGD	3.0	0	10.2	1	1.3	1	0.293	-1	2.325	0	7.928	0	2049	40	1.5
14333.7	10000	38.8964	95.2224	-566	QGD	3.2	0	10.0	1	1.3	1	0.321	0	2.535	0	7.897	0	2041	53	1.5
14333.6	10000	38.8964	95.2217	-565	QGD	3.1	0	9.9	1	1.3	1	0.312	0	2.388	0	7.659	0	2028	59	1.5
14333.5	10000	38.8964	95.2209	-561	QGD	3.2	0	9.9	1	1.2	1	0.321	0	2.636	0	8.222	0	2007	51	1.5
14333.4	10000	38.8964	95.2201	-560	QGD	3.2	0	9.9	1	1.2	1	0.328	0	2.708	0	8.259	0	2007	34	1.5
14333.3	10000	38.8964	95.2194	-560	QGD	3.2	0	9.9	1	1.2	1	0.327	0	2.648	0	8.097	0	2019	49	1.5
14333.2	10000	38.8964	95.2186	-559	QGD	3.2	0	9.9	1	1.2	1	0.333	0	2.702	0	8.115	0	2036	29	1.5
14333.1	10000	38.8964	95.2178	-558	QGD	3.2	0	9.9	1	1.2	1	0.335	0	2.824	0	8.026	0	2042	44	1.5
14333.0	10000	38.8963	95.2171	-558	QGD	3.2	0	9.8	1	1.2	1	0.331	0	2.515	0	7.972	0	2061	41	1.5
14332.9	10000	38.8963	95.2163	-557	QGD	3.2	0	9.7	1	1.2	1	0.329	0	2.780	0	8.437	0	2062	43	1.5
14332.8	10000	38.8963	95.2155	-556	QGD	3.2	0	9.7	1	1.2	1	0.334	0	2.884	0	8.406	0	2077	42	1.6
14332.7	10000	38.8963	95.2148	-555	QGD	3.2	0	9.7	1	1.2	1	0.336	0	2.880	0	8.408	0	2096	41	1.6
14332.6	10000	38.8963	95.2140	-555	QGD	3.2	0	9.7	1	1.2	1	0.336	0	2.880	0	8.408	0	2098	34	1.6
14332.5	10000	38.8963	95.2133	-556	QGD	3.2	0	9.7	1	1.2	1	0.336	0	2.880	0	8.408	0	2109	40	1.6
14332.4	10000	38.8963	95.2125	-557	QGD	3.2	0	9.7	1	1.2	1	0.336	0	2.880	0	8.408	0	2135	53	1.6
14332.3	10000	38.8963	95.2117	-558	QGD	3.2	0	9.7	1	1.2	1	0.336	0	2.880	0	8.408	0	2142	44	1.6
14332.2	10000	38.8963	95.2110	-558	QGD	3.2	0	9.7	1	1.2	1	0.336	0	2.880	0	8.408	0	2164	58	1.6

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14332.1	10000	38.8962	95.2102	-558	QGD	3.7	2	9.9	0	1.2	0	0.379	1	3.095	2	8.159	1	2167	39	1.6
14332.0	10000	38.8962	95.2094	-558	QGD	3.7	2	9.8	0	1.2	0	0.379	1	3.075	2	8.104	1	2159	46	1.6
14331.9	10000	38.8962	95.2087	-559	QGD	4.0	2	9.5	0	1.2	0	0.416	2	3.360	2	8.080	1	2157	35	1.6
14331.8	10000	38.8962	95.2079	-560	QGD	3.9	2	9.5	0	1.2	-1	0.407	1	3.291	2	8.090	1	2156	42	1.6
14331.7	10000	38.8962	95.2071	-560	QGD	3.8	2	9.8	0	1.2	-1	0.385	1	3.232	2	8.403	1	2142	46	1.6
14331.6	10000	38.8962	95.2064	-560	QGD	3.8	2	9.5	0	1.2	0	0.396	1	3.140	2	7.930	0	2138	54	1.6
14331.5	10000	38.8962	95.2056	-561	PD	3.7	1	9.8	0	1.2	1	0.373	1	2.962	0	7.948	-1	2112	40	1.6
14331.4	10000	38.8962	95.2048	-562	PD	3.6	1	9.9	0	1.3	1	0.360	0	2.831	0	7.873	-1	2115	29	1.6
14331.3	10000	38.8962	95.2041	-563	PD	3.4	1	10.0	0	1.3	1	0.343	0	2.576	-1	7.508	-1	2123	47	1.6
14331.2	10000	38.8962	95.2033	-562	PD	3.1	0	10.0	0	1.4	2	0.309	0	2.195	-1	7.099	-1	2127	44	1.6
14331.1	10000	38.8961	95.2025	-562	PD	3.1	0	10.4	1	1.4	2	0.302	-1	2.210	-1	7.323	-1	2136	51	1.6
14331.0	10000	38.8961	95.2018	-562	PD	3.4	0	10.0	1	1.4	2	0.337	0	2.404	-1	7.138	-1	2145	31	1.6
14330.9	10000	38.8961	95.2010	-562	PD	3.4	0	10.5	1	1.4	2	0.320	0	2.417	-1	7.552	-1	2166	44	1.6
14330.8	10000	38.8961	95.2002	-563	PD	3.3	0	10.1	0	1.4	2	0.324	0	2.374	-1	7.317	-1	2186	49	1.6
14330.7	10000	38.8961	95.1995	-563	PD	3.2	0	10.0	0	1.4	2	0.324	0	2.297	-1	7.092	-1	2191	60	1.6
14330.6	10000	38.8961	95.1987	-562	PD	3.3	0	10.0	0	1.4	2	0.325	0	2.332	-1	7.165	-1	2199	44	1.6
14330.5	10000	38.8961	95.1980	-563	PD	3.4	0	10.2	0	1.4	1	0.333	0	2.496	-1	7.497	-1	2191	51	1.6
14330.4	10000	38.8961	95.1972	-563	PD	3.2	0	9.7	0	1.4	1	0.330	0	2.357	-1	7.150	-1	2168	48	1.6
14330.3	10000	38.8961	95.1964	-563	QAL	3.0	0	9.5	0	1.3	0	0.315	0	2.237	0	7.112	0	2144	45	1.6
14330.2	10000	38.8961	95.1957	-563	QAL	3.1	0	9.2	0	1.3	0	0.333	0	2.303	0	6.917	0	2108	41	1.6
14330.1	10000	38.8960	95.1949	-562	QAL	2.9	0	9.6	0	1.3	0	0.300	-1	2.231	0	7.441	0	2074	43	1.6
14330.0	10000	38.8960	95.1941	-562	QAL	2.7	-1	9.8	0	1.2	0	0.272	-1	2.150	-1	7.904	0	2043	44	1.6
14329.9	10000	38.8960	95.1934	-563	QAL	2.4	-1	9.7	0	1.1	0	0.251	-1	2.110	-1	8.420	1	2001	46	1.6
14329.8	10000	38.8960	95.1926	-564	QAL	2.5	-1	9.6	0	1.1	0	0.260	-1	2.192	-1	8.426	1	1983	46	1.6
14329.7	10000	38.8960	95.1918	-564	QAL	2.8	-1	9.6	0	1.1	1	0.291	-1	2.470	-1	8.504	1	1972	48	1.6
14329.6	10000	38.8960	95.1911	-563	QAL	3.1	-1	9.9	0	1.1	1	0.314	-1	2.801	0	8.917	1	1960	49	1.6
14329.5	10000	38.8960	95.1903	-564	QAL	2.9	0	9.2	0	1.1	1	0.281	0	2.715	-1	9.671	1	1947	42	1.6
14329.4	10000	38.8960	95.1895	-565	QAL	3.2	0	10.0	0	1.1	1	0.319	0	3.072	1	9.646	1	1943	49	1.6
14329.3	10000	38.8960	95.1888	-565	QAL	3.4	0	9.9	0	1.1	1	0.349	0	3.514	1	10.067	2	1941	43	1.7
14329.2	10000	38.8960	95.1880	-563	QAL	3.6	0	9.8	0	1.1	1	0.366	0	3.646	2	9.959	2	1955	60	1.7
14329.1	10000	38.8959	95.1872	-562	QAL	3.6	0	9.9	0	1.1	1	0.361	0	3.593	2	9.954	2	1960	55	1.7
14329.0	10000	38.8959	95.1865	-562	QAL	3.6	0	9.8	0	1.1	1	0.371	0	3.711	2	10.000	2	1977	50	1.7
14328.9	10000	38.8959	95.1857	-563	QAL	3.7	0	9.8	0	1.1	1	0.394	1	3.706	2	9.402	1	1998	43	1.7
14328.8	10000	38.8959	95.1849	-564	PD	3.7	0	9.3	0	1.1	1	0.410	1	3.632	2	8.863	0	2011	41	1.7
14328.7	10000	38.8959	95.1842	-564	PD	3.4	0	9.1	-1	1.1	1	0.375	1	3.232	2	8.627	0	2038	55	1.7
14328.6	10000	38.8959	95.1834	-564	PD	3.3	0	9.2	-1	1.1	1	0.367	0	2.863	1	7.804	-1	2053	44	1.7
14328.5	10000	38.8959	95.1826	-564	PD	3.3	0	9.2	0	1.1	1	0.333	0	2.504	1	7.527	-1	2070	43	1.7
14328.4	10000	38.8959	95.1819	-566	PD	3.3	0	9.1	0	1.1	2	0.314	0	2.229	1	7.106	-1	2092	46	1.7
14328.3	10000	38.8959	95.1811	-566	PD	3.3	0	9.7	0	1.1	3	0.283	-1	2.015	1	7.127	-1	2111	42	1.7
14328.2	10000	38.8958	95.1804	-564	PD	3.7	0	9.9	0	1.1	4	0.244	-2	1.662	1	6.807	-2	2149	53	1.7
14328.1	10000	38.8958	95.1796	-564	PD	3.7	0	9.8	0	1.1	5	0.271	-1	1.736	1	6.401	-2	2185	51	1.7
14328.0	10000	38.8958	95.1788	-563	PD	3.7	0	9.8	0	1.1	6	0.266	-1	1.721	1	6.468	-2	2217	42	1.7
14327.9	10000	38.8958	95.1781	-563	PD	3.8	0	10.1	1	1.1	5	0.256	-1	1.804	1	7.035	-1	2244	57	1.7
14327.8	10000	38.8958	95.1773	-563	PD	3.8	0	11.0	1	1.1	5	0.281	-1	2.021	1	7.197	-1	2260	41	1.7
14327.7	10000	38.8958	95.1765	-561	PD	3.8	0	11.1	1	1.1	5	0.264	-1	2.003	1	7.596	-1	2275	44	1.7
14327.6	10000	38.8958	95.1758	-560	PD	3.8	0	11.1	1	1.1	5	0.269	-1	1.996	2	7.415	-1	2276	41	1.7
14327.5	10000	38.8958	95.1750	-561	PD	3.8	0	11.1	1	1.1	5	0.257	-1	2.047	2	7.603	-1	2267	40	1.7
14327.4	10000	38.8958	95.1742	-563	PD	3.8	0	11.1	1	1.1	5	0.276	-1	2.105	2	8.188	-1	2255	43	1.7
14327.3	10000	38.8957	95.1735	-563	PD	3.8	0	11.1	1	1.1	5	0.294	-1	2.194	2	7.946	-1	2249	44	1.8
14327.2	10000	38.8957	95.1727	-563	PD	3.8	0	11.1	1	1.1	5	0.290	-1	2.238	2	7.618	-1	2233	46	1.8
14327.1	10000	38.8957	95.1719	-562	PD	3.8	0	11.0	1	1.1	4	0.314	-1	2.204	2	7.590	-1	2210	48	1.8
14327.0	10000	38.8957	95.1712	-562	PD	3.8	0	10.4	0	1.1	4	0.314	0	2.336	2	7.443	-1	2168	48	1.8

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14326.9	10000	38.8957	95.1704	-564	PD	3.2	0	10.5	1	1.3	1	0.302	-1	2.460	-1	8.151	-1	2138	46	1.8
14326.8	10000	38.8957	95.1696	-564	PD	3.2	0	10.0	0	1.2	1	0.320	0	2.586	-1	8.088	-1	2102	51	1.8
14326.7	10000	38.8957	95.1689	-562	PD	3.1	0	9.7	0	1.2	1	0.322	0	2.583	-1	8.017	-1	2077	40	1.8
14326.6	10000	38.8957	95.1681	-560	PD	3.1	0	9.6	0	1.2	0	0.329	0	2.726	0	8.283	0	2046	45	1.8
14326.5	10000	38.8957	95.1673	-560	PD	3.1	0	9.6	0	1.1	0	0.319	0	2.756	0	8.633	0	2031	35	1.8
14326.4	10000	38.8956	95.1666	-563	PD	3.2	0	9.5	0	1.1	0	0.335	0	2.904	0	8.679	0	2008	41	1.8
14326.3	10000	38.8956	95.1658	-564	PD	3.1	0	9.9	0	1.0	0	0.316	0	3.007	0	9.513	0	1989	45	1.8
14326.2	10000	38.8956	95.1650	-564	PD	3.2	0	9.3	0	1.0	-1	0.349	0	3.256	0	9.341	0	1971	44	1.8
14326.1	10000	38.8956	95.1643	-563	PD	3.1	0	9.7	0	1.0	-1	0.322	0	3.203	0	9.954	1	1949	40	1.8
14326.0	10000	38.8956	95.1635	-562	PD	3.2	0	9.8	0	1.0	-1	0.322	0	3.314	1	10.280	1	1948	57	1.8
14325.9	10000	38.8956	95.1628	-562	PD	3.2	0	10.0	0	1.0	-1	0.315	0	3.260	0	10.342	1	1942	50	1.8
14325.8	10000	38.8956	95.1620	-563	PD	2.9	-1	9.7	0	1.0	-1	0.302	-1	3.031	0	10.041	1	1935	58	1.8
14325.7	10000	38.8956	95.1612	-561	PD	2.9	-1	9.6	0	1.0	0	0.308	0	2.882	0	9.363	0	1950	45	1.8
14325.6	10000	38.8956	95.1604	-560	PD	3.2	0	9.3	0	1.0	0	0.342	0	3.122	0	9.123	0	1970	35	1.8
14325.5	10000	38.8956	95.1597	-560	PD	3.2	0	9.4	0	1.0	0	0.337	0	3.045	0	9.031	0	1997	48	1.8
14325.4	10000	38.8955	95.1589	-560	PD	3.3	0	9.7	0	1.0	0	0.339	0	3.148	0	9.272	0	2037	46	1.9
14325.3	10000	38.8955	95.1582	-560	PD	3.0	0	9.2	0	1.1	0	0.328	0	2.782	0	8.494	0	2067	37	1.9
14325.2	10000	38.8955	95.1574	-560	PD	3.1	0	9.4	0	1.1	0	0.334	0	2.924	0	8.757	0	2086	34	1.9
14325.1	10000	38.8955	95.1566	-558	PD	3.1	0	9.6	0	1.1	0	0.328	0	2.979	0	9.082	0	2088	41	1.9
14325.0	10000	38.8955	95.1559	-558	PD	3.0	0	9.8	0	1.0	0	0.310	0	2.931	0	9.446	0	2079	48	1.9
14324.9	10000	38.8955	95.1551	-558	PD	3.1	0	9.5	0	1.1	0	0.328	0	2.938	0	8.969	0	2088	44	1.9
14324.8	10000	38.8955	95.1543	-558	PD	2.8	-1	9.6	0	1.0	0	0.295	-1	2.725	0	9.222	0	2083	45	1.9
14324.7	10000	38.8955	95.1536	-558	PD	3.1	0	10.0	0	1.1	0	0.307	0	2.850	0	9.286	0	2085	65	1.9
14324.6	10000	38.8955	95.1528	-557	PD	3.4	0	10.5	1	1.0	-1	0.320	0	3.453	1	10.779	1	2051	60	1.9
14324.5	10000	38.8954	95.1520	-557	PD	3.5	1	10.2	0	0.9	-1	0.346	0	3.860	1	11.147	2	2028	39	1.9
14324.4	10000	38.8954	95.1513	-558	PD	3.6	1	10.0	0	0.9	-1	0.362	1	4.049	2	11.187	2	2018	38	1.9
14324.3	10000	38.8954	95.1505	-559	PD	3.7	1	10.3	1	0.9	-1	0.363	1	4.298	2	11.829	2	2026	45	1.9
14324.2	10000	38.8954	95.1497	-558	PD	3.6	1	10.7	1	0.9	-1	0.335	0	3.975	2	11.872	2	2015	46	1.9
14324.1	10000	38.8954	95.1490	-557	PD	3.7	1	10.8	1	0.9	-1	0.340	0	4.163	2	12.250	2	2007	49	1.9
14324.0	10000	38.8954	95.1482	-558	PD	3.4	0	10.6	1	0.8	-1	0.319	0	4.011	2	12.565	3	2000	42	1.9
14323.9	10000	38.8954	95.1475	-559	PD	3.4	0	10.5	1	0.9	-1	0.325	0	3.854	2	11.871	2	2005	40	1.9
14323.8	10000	38.8954	95.1467	-559	PD	3.3	0	10.2	1	0.9	-1	0.324	0	3.695	2	11.394	2	2020	43	1.9
14323.7	10000	38.8954	95.1459	-558	PD	3.4	0	10.5	1	0.9	-1	0.326	0	3.691	2	11.321	2	2047	50	1.9
14323.6	10000	38.8954	95.1452	-558	PD	3.3	0	10.2	1	0.9	-1	0.327	0	3.500	2	10.692	2	2059	44	1.9
14323.5	10000	38.8954	95.1444	-558	PD	3.2	0	10.4	1	0.9	-1	0.306	0	3.363	1	10.974	2	2067	36	1.9
14323.4	10000	38.8954	95.1437	-560	PD	3.2	0	10.4	1	0.9	-1	0.311	0	3.296	1	10.590	2	2067	46	1.9
14323.3	10000	38.8954	95.1429	-561	PD	3.3	0	9.9	1	1.0	-1	0.337	0	3.353	1	9.943	2	2066	49	1.9
14323.2	10000	38.8953	95.1422	-561	PD	3.0	0	10.1	1	0.9	-1	0.297	0	2.951	1	9.928	2	2066	38	1.9
14323.1	10000	38.8953	95.1414	-562	PD	2.8	0	10.5	1	1.0	-1	0.272	0	2.697	1	9.911	2	2056	46	1.9
14323.0	10000	38.8953	95.1407	-564	PD	2.7	0	10.2	1	1.0	-1	0.266	0	2.587	1	9.708	2	2031	44	1.9
14322.9	10000	38.8953	95.1399	-565	PD	2.6	0	10.0	1	1.0	-2	0.247	-1	2.428	1	9.830	2	2010	49	1.9
14322.8	10000	38.8953	95.1391	-566	PD	2.8	0	10.3	1	1.1	-1	0.277	-1	2.573	1	9.274	2	2008	42	1.9
14322.7	10000	38.8953	95.1384	-567	PD	2.6	0	10.0	1	1.1	-1	0.264	-1	2.365	1	8.966	2	2006	47	1.9
14322.6	10000	38.8953	95.1376	-568	PD	2.6	0	10.1	1	1.1	-1	0.254	-1	2.284	1	8.998	2	2005	48	1.9
14322.5	10000	38.8953	95.1369	-570	PD	2.6	0	10.0	1	1.1	-1	0.260	-1	2.347	1	9.018	2	2005	51	1.9
14322.4	10000	38.8953	95.1361	-571	PD	2.6	0	10.1	1	1.1	-1	0.252	-1	2.343	1	9.284	2	2007	52	1.9
14322.3	10000	38.8953	95.1354	-572	PD	2.7	0	10.4	1	1.1	-1	0.265	-1	2.463	1	9.308	2	1998	44	1.9
14322.2	10000	38.8953	95.1346	-572	PD	2.8	0	10.3	1	1.1	-1	0.286	-1	2.644	1	9.250	2	1987	47	1.9
14322.1	10000	38.8953	95.1339	-573	PD	2.8	0	10.2	1	1.1	-1	0.277	-1	2.677	1	9.807	2	1973	38	1.9
14322.0	10000	38.8953	95.1331	-574	PD	3.0	0	10.4	1	1.1	-1	0.288	-1	2.868	1	10.321	2	1965	49	1.9
14321.9	10000	38.8953	95.1323	-574	PD	3.0	0	10.4	1	1.1	-1	0.305	-1	3.168	1	10.452	2	1942	42	1.9
14321.8	10000	38.8953	95.1316	-574	PD	3.2	0	10.5	1	1.1	-1	0.339	-1	3.453	1	10.176	2	1929	52	1.9

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14321.7	10000	38.8953	95.1308	-574	PD	3.1	0	9.5	0	1.0	-1	0.331	0	3.282	1	9.913	1	1928	38	2.0
14321.6	10000	38.8953	95.1301	-573	PD	3.1	0	9.5	0	0.9	-1	0.328	0	3.311	1	10.084	1	1951	41	2.0
14321.5	10000	38.8953	95.1293	-573	PD	3.4	0	9.6	0	1.0	-1	0.350	0	3.490	1	9.985	1	1981	49	2.0
14321.4	10000	38.8953	95.1286	-573	PD	3.5	1	9.5	0	1.0	-1	0.369	1	3.651	1	9.889	1	2004	44	2.0
14321.3	10000	38.8953	95.1278	-572	PD	3.7	1	9.1	0	1.0	-1	0.400	1	3.756	1	9.391	0	2005	36	2.0
14321.2	10000	38.8953	95.1270	-571	PD	3.6	1	9.4	0	1.0	-1	0.381	1	3.608	1	9.480	0	2025	41	2.0
14321.1	10000	38.8953	95.1263	-571	PD	3.6	1	10.0	0	1.0	-1	0.366	1	3.686	1	10.068	1	2047	50	2.0
14321.0	10000	38.8953	95.1255	-570	PD	3.6	1	9.9	0	0.9	-1	0.366	1	3.857	1	10.530	1	2070	42	1.9
14320.9	10000	38.8953	95.1248	-569	PD	3.9	1	10.4	1	1.0	-1	0.370	1	3.882	2	10.487	1	2083	54	1.9
14320.8	10000	38.8952	95.1240	-568	PD	3.6	1	10.6	1	1.0	-1	0.340	0	3.748	1	11.032	1	2083	45	1.9
14320.7	10000	38.8952	95.1233	-567	PD	3.5	1	10.9	1	1.0	0	0.321	0	3.457	1	10.772	1	2096	48	1.9
14320.6	10000	38.8952	95.1225	-568	PD	3.4	0	11.4	1	1.1	0	0.299	-1	3.225	0	10.786	1	2127	39	1.9
14320.5	10000	38.8952	95.1218	-568	PD	3.5	1	11.4	1	1.1	0	0.303	-1	3.186	0	10.499	1	2146	50	1.9
14320.4	10000	38.8952	95.1210	-566	PD	3.3	0	11.4	1	1.1	0	0.287	-1	2.856	0	9.952	1	2152	48	1.9
14320.3	10000	38.8952	95.1203	-565	PD	3.2	0	11.1	1	1.1	0	0.291	-1	2.815	0	9.682	1	2145	52	1.9
14320.2	10000	38.8952	95.1195	-565	PD	3.3	0	10.8	1	1.2	0	0.303	-1	2.826	0	9.343	0	2144	39	1.9
14320.1	10000	38.8952	95.1187	-566	PD	3.3	0	10.6	1	1.2	1	0.315	0	2.783	0	8.848	0	2154	59	1.9
14320.0	10000	38.8952	95.1180	-566	PD	3.5	1	10.2	0	1.2	1	0.339	0	2.854	0	8.420	0	2166	54	1.9
14319.9	10000	38.8952	95.1172	-566	PD	3.7	1	10.0	0	1.2	1	0.372	1	3.026	0	8.127	-1	2164	44	1.9
14319.8	10000	38.8952	95.1165	-566	PD	3.5	1	10.1	0	1.3	1	0.348	0	2.792	0	8.032	-1	2160	52	1.9
14319.7	10000	38.8952	95.1157	-567	PD	3.6	1	9.7	0	1.2	1	0.375	1	2.923	0	7.805	-1	2157	43	1.9
14319.6	10000	38.8952	95.1150	-568	PD	3.7	1	9.6	0	1.3	1	0.383	1	2.820	0	7.372	-1	2174	53	1.9
14319.5	10000	38.8952	95.1142	-569	PD	3.6	1	9.9	0	1.3	1	0.366	1	2.785	0	7.611	-1	2184	37	1.9
14319.4	10000	38.8952	95.1134	-570	PD	3.7	1	9.7	0	1.3	1	0.382	1	2.913	0	7.622	-1	2186	52	1.9
14319.3	10000	38.8952	95.1127	-570	PD	3.7	1	9.7	0	1.2	1	0.387	1	3.066	0	7.929	-1	2166	43	1.9
14319.2	10000	38.8952	95.1119	-572	PD	3.4	1	9.7	0	1.2	0	0.354	0	2.919	0	8.241	0	2139	58	1.9
14319.1	10000	38.8952	95.1112	-574	PD	3.5	1	9.5	0	1.1	0	0.366	1	3.064	0	8.362	0	2112	48	1.9
14319.0	10000	38.8952	95.1104	-574	PD	3.2	1	9.8	0	1.1	0	0.332	0	2.904	0	8.745	0	2066	41	1.9
14318.9	10000	38.8952	95.1097	-574	PD	3.3	1	9.4	0	1.1	0	0.349	1	3.184	0	9.119	0	2022	43	1.9
14318.8	10000	38.8952	95.1089	-577	PD	3.2	1	9.2	0	1.1	0	0.348	1	3.010	0	8.654	0	2001	42	1.9
14318.7	10000	38.8952	95.1082	-579	PD	3.0	1	9.5	0	1.1	0	0.320	1	2.740	0	8.562	0	1991	48	1.9
14318.6	10000	38.8952	95.1074	-580	PD	2.7	1	9.7	0	1.1	0	0.272	1	2.340	-1	8.592	0	1983	40	1.9
14318.5	10000	38.8951	95.1066	-580	PD	2.7	1	9.4	0	1.2	0	0.287	1	2.274	-1	7.916	-1	1996	38	1.9
14318.4	10000	38.8951	95.1059	-581	PD	2.8	1	9.3	0	1.2	0	0.300	1	2.369	-1	7.893	-1	2008	43	1.9
14318.3	10000	38.8951	95.1051	-581	PD	3.2	1	8.7	0	1.2	0	0.363	1	2.570	-1	7.091	-1	2050	41	1.9
14318.2	10000	38.8951	95.1044	-582	PD	3.4	1	9.1	0	1.3	0	0.372	1	2.670	-1	7.176	-1	2090	47	1.9
14318.1	10000	38.8951	95.1036	-583	PD	3.4	1	9.8	0	1.2	0	0.384	1	2.715	-1	7.061	-1	2102	53	1.9
14318.0	10000	38.8951	95.1029	-582	PLP	3.6	1	8.8	0	1.2	0	0.405	1	2.928	-1	7.232	-1	2110	39	1.9
14317.9	10000	38.8951	95.1021	-582	PLP	3.9	1	8.8	0	1.2	0	0.446	1	3.265	-1	7.315	-1	2125	38	1.9
14317.8	10000	38.8951	95.1014	-582	PLP	4.2	1	8.9	0	1.2	0	0.476	1	3.690	-1	7.749	-1	2148	47	1.9
14317.7	10000	38.8951	95.1006	-582	PLP	4.3	1	9.1	0	1.2	0	0.466	1	3.611	-1	7.743	-1	2170	53	1.9
14317.6	10000	38.8951	95.0999	-581	PLP	4.0	1	9.7	0	1.2	0	0.411	1	3.277	-1	7.965	0	2187	37	1.9
14317.5	10000	38.8951	95.0991	-580	PLP	3.7	1	9.6	0	1.2	0	0.387	1	2.993	-1	7.725	-1	2164	38	1.9
14317.4	10000	38.8951	95.0983	-579	PLP	3.8	1	9.7	0	1.2	0	0.392	1	2.941	-1	7.497	-1	2173	38	1.9
14317.3	10000	38.8951	95.0976	-578	PLP	3.7	1	9.8	0	1.2	0	0.381	1	2.808	-1	7.360	-1	2174	38	1.9
14317.2	10000	38.8951	95.0968	-577	PLP	3.8	1	9.2	0	1.3	0	0.411	1	2.805	-1	6.826	-1	2180	35	1.9
14317.1	10000	38.8951	95.0961	-574	PLP	3.5	1	9.4	0	1.3	0	0.377	1	2.672	-1	7.079	-1	2161	35	1.9
14317.0	10000	38.8951	95.0953	-571	PLP	3.4	1	9.6	0	1.3	0	0.355	1	2.605	-1	7.334	-1	2144	43	1.9
14316.9	10000	38.8951	95.0946	-570	PD	3.5	1	9.4	0	1.3	0	0.374	1	2.781	-1	7.439	-1	2137	51	1.9
14316.8	10000	38.8951	95.0938	-569	PD	3.8	1	9.7	0	1.3	0	0.389	1	3.026	-1	7.779	-1	2154	48	1.9
14316.7	10000	38.8951	95.0930	-566	PD	3.4	1	10.0	0	1.2	0	0.344	1	2.874	-1	8.355	0	2143	44	1.9
14316.6	10000	38.8951	95.0923	-564	PD	3.5	1	10.3	1	1.2	0	0.341	0	2.933	0	8.593	0	2150	40	1.8

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14316.5	10000	38.8951	95.0915	-563	PD	3.2	0	10.9	1	1.2	1	0.292	-1	2.580	-1	8.833	0	2173	58	1.8
14316.4	10000	38.8951	95.0908	-562	PD	2.9	0	11.0	1	1.3	1	0.268	-1	2.231	-1	8.339	0	2189	37	1.8
14316.3	10000	38.8951	95.0900	-561	PD	3.3	0	10.7	1	1.3	1	0.304	-1	2.436	-1	8.005	-1	2200	31	1.8
14316.2	10000	38.8950	95.0893	-561	PD	3.2	0	10.9	1	1.4	2	0.296	-1	2.347	-1	7.935	-1	2217	40	1.8
14316.1	10000	38.8950	95.0885	-558	QGD	3.1	0	11.2	2	1.4	1	0.276	-1	2.153	-1	7.816	0	2230	39	1.8
14316.0	10000	38.8950	95.0878	-557	QGD	3.2	0	11.6	2	1.4	2	0.280	-1	2.256	-1	8.070	1	2258	43	1.8
14315.9	10000	38.8950	95.0870	-558	QGD	3.6	1	11.3	2	1.4	1	0.315	0	2.494	0	7.906	0	2267	42	1.8
14315.8	10000	38.8950	95.0862	-558	QGD	3.9	2	11.3	2	1.4	1	0.344	0	2.768	1	8.051	1	2257	55	1.8
14315.7	10000	38.8950	95.0855	-558	QGD	4.1	3	11.0	1	1.4	1	0.374	1	2.969	1	7.932	0	2260	46	1.8
14315.6	10000	38.8950	95.0847	-557	QGD	4.0	2	10.8	1	1.4	1	0.373	1	2.896	1	7.758	0	2271	64	1.8
14315.5	10000	38.8950	95.0840	-557	QGD	4.5	3	10.7	1	1.3	1	0.417	2	3.324	2	7.972	0	2276	49	1.8
14315.4	10000	38.8950	95.0832	-558	QGD	4.5	3	10.3	1	1.3	0	0.438	2	3.478	3	7.947	0	2272	40	1.8
14315.3	10000	38.8950	95.0825	-559	QGD	4.7	4	9.5	0	1.3	1	0.491	3	3.516	3	7.159	-1	2261	58	1.8
14315.2	10000	38.8950	95.0817	-559	QGD	4.3	3	9.2	0	1.4	1	0.466	3	3.159	2	6.783	-1	2253	47	1.8
14315.1	10000	38.8950	95.0810	-560	QGD	4.2	3	9.0	0	1.4	1	0.473	3	3.085	2	6.515	-1	2246	46	1.8
14315.0	10000	38.8950	95.0802	-562	QGD	4.2	3	9.0	0	1.3	1	0.471	3	3.166	2	6.725	-1	2240	56	1.8
14314.9	10000	38.8950	95.0795	-562	QGD	4.1	3	9.1	0	1.3	1	0.451	2	3.121	2	6.915	-1	2231	47	1.7
14314.8	10000	38.8950	95.0787	-563	QGD	3.9	2	8.9	0	1.3	0	0.435	2	2.975	1	6.834	-1	2213	65	1.7
14314.7	10000	38.8950	95.0779	-564	QGD	3.8	2	9.0	0	1.3	1	0.419	2	2.882	1	6.884	-1	2203	43	1.7
14314.6	10000	38.8950	95.0772	-565	QGD	3.5	1	9.4	0	1.3	0	0.370	1	2.687	1	7.255	0	2194	44	1.7
14314.5	10000	38.8950	95.0764	-566	QGD	3.5	1	9.6	0	1.3	0	0.361	1	2.716	1	7.527	0	2176	41	1.7
14314.4	10000	38.8950	95.0757	-567	QGD	3.2	0	9.8	0	1.2	0	0.331	0	2.589	0	7.824	0	2166	44	1.7
14314.3	10000	38.8950	95.0749	-568	QGD	3.0	0	9.7	0	1.3	0	0.310	0	2.355	0	7.597	0	2150	50	1.7
14314.2	10000	38.8950	95.0742	-568	QGD	3.0	0	9.6	0	1.3	0	0.316	0	2.377	0	7.520	0	2134	53	1.7
14314.1	10000	38.8950	95.0734	-570	QGD	3.0	0	9.9	0	1.3	0	0.300	0	2.326	0	7.748	0	2124	46	1.7
14314.0	10000	38.8950	95.0726	-572	QGD	3.0	0	9.7	0	1.3	1	0.304	0	2.247	-1	7.388	0	2130	38	1.7
14313.9	10000	38.8949	95.0719	-573	QGD	3.2	0	9.8	0	1.3	1	0.325	0	2.428	0	7.465	0	2135	53	1.7
14313.8	10000	38.8949	95.0711	-572	QGD	3.0	0	10.5	1	1.3	1	0.289	-1	2.332	0	8.072	1	2149	52	1.7
14313.7	10000	38.8949	95.0704	-573	QGD	3.0	0	10.5	1	1.3	1	0.287	-1	2.264	-1	7.898	0	2147	47	1.7
14313.6	10000	38.8949	95.0696	-575	QGD	3.2	0	10.9	1	1.3	1	0.293	-1	2.492	0	8.490	1	2157	54	1.7
14313.5	10000	38.8949	95.0689	-576	QGD	3.3	0	10.8	1	1.3	1	0.296	-1	2.498	0	8.436	1	2159	42	1.7
14313.4	10000	38.8949	95.0681	-576	QGD	3.1	0	11.1	1	1.3	1	0.283	-1	2.378	0	8.393	1	2156	43	1.7
14313.3	10000	38.8949	95.0674	-576	QGD	3.3	0	11.3	1	1.3	1	0.287	-1	2.524	0	8.802	1	2135	53	1.7
14313.2	10000	38.8949	95.0666	-577	QGD	3.1	0	11.3	1	1.3	1	0.272	-1	2.470	0	9.066	2	2104	54	1.7
14313.1	10000	38.8949	95.0658	-577	QGD	3.1	0	11.3	1	1.3	1	0.305	-1	2.484	0	8.143	1	2065	46	1.7
14313.0	10000	38.8949	95.0651	-577	QGD	3.2	0	10.9	1	1.3	1	0.336	-1	2.675	0	7.954	0	2022	40	1.7
14312.9	10000	38.8949	95.0643	-577	QGD	3.0	0	10.6	1	1.3	1	0.314	-1	2.427	0	7.732	0	1992	46	1.7
14312.8	10000	38.8949	95.0636	-577	QGD	3.0	0	10.3	1	1.3	1	0.326	-1	2.544	0	7.813	0	1978	49	1.8
14312.7	10000	38.8949	95.0628	-577	QGD	3.1	0	10.3	1	1.3	1	0.355	-1	2.576	0	7.247	0	1975	53	1.8
14312.6	10000	38.8949	95.0621	-577	QGD	2.9	0	9.9	1	1.3	1	0.348	-1	2.407	-1	6.919	-1	1974	47	1.8
14312.5	10000	38.8949	95.0613	-576	QGD	3.1	0	9.9	1	1.3	1	0.383	-1	2.492	-1	6.514	-1	1980	40	1.8
14312.4	10000	38.8949	95.0606	-575	QGD	3.0	0	9.8	1	1.3	1	0.360	-1	2.477	-1	6.870	-1	1990	41	1.8
14312.3	10000	38.8949	95.0598	-575	QGD	2.9	0	9.5	1	1.3	1	0.334	-1	2.321	-1	6.951	-1	2018	47	1.8
14312.2	10000	38.8949	95.0591	-574	QGD	3.3	0	9.8	1	1.3	1	0.370	-1	2.427	-1	6.556	-1	2053	41	1.8
14312.1	10000	38.8949	95.0585	-573	QGD	3.1	0	9.6	1	1.3	1	0.356	-1	2.287	-1	6.429	-1	2047	44	1.8
14312.0	10000	38.8949	95.0575	-571	QGD	3.1	0	9.4	0	1.3	1	0.337	-1	2.296	-1	6.806	-1	2052	46	1.8
14311.9	10000	38.8949	95.0568	-570	QGD	3.0	0	9.4	0	1.3	1	0.313	-1	2.288	-1	7.304	0	2047	52	1.8
14311.8	10000	38.8948	95.0560	-570	QGD	2.6	0	9.2	0	1.3	1	0.282	-1	2.077	-1	7.372	0	2035	44	1.8
14311.7	10000	38.8948	95.0553	-568	QGD	2.8	0	9.3	0	1.3	1	0.302	-1	2.236	-1	7.412	0	2025	37	1.8
14311.6	10000	38.8948	95.0545	-566	QGD	2.9	0	9.3	0	1.3	1	0.311	-1	2.304	-1	7.417	0	2038	50	1.8
14311.5	10000	38.8948	95.0538	-565	QGD	2.6	0	9.1	0	1.3	1	0.289	-1	2.199	-1	7.608	0	2024	50	1.8
14311.4	10000	38.8948	95.0530	-563	QGD	2.7	0	9.2	0	1.2	1	0.288	-1	2.194	-1	7.630	0	2037	54	1.8

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14311.3	10000	38.8948	95.0522	-561	QGD	2.6	-1	9.1	0	1.2	0	0.284	-1	2.152	-1	7.578	0	2031	44	1.8
14311.2	10000	38.8948	95.0515	-559	QGD	3.0	0	8.9	0	1.2	0	0.333	0	2.417	0	7.262	0	2033	35	1.8
14311.1	10000	38.8948	95.0507	-557	QGD	3.2	0	8.8	-1	1.2	0	0.365	1	2.648	0	7.249	0	2043	39	1.8
14311.0	10000	38.8948	95.0500	-556	QGD	3.1	0	8.7	-1	1.2	0	0.358	1	2.498	0	6.983	-1	2054	46	1.8
14310.9	10000	38.8948	95.0492	-553	QGD	2.9	0	8.9	0	1.2	0	0.331	0	2.425	0	7.337	0	2044	55	1.8
14310.8	10000	38.8948	95.0485	-550	QGD	3.1	0	8.9	-1	1.2	-1	0.346	0	2.615	0	7.556	0	2033	42	1.8
14310.7	10000	38.8948	95.0477	-548	QGD	2.9	0	9.1	0	1.2	0	0.320	0	2.403	0	7.513	0	2030	32	1.9
14310.6	10000	38.8948	95.0470	-546	QGD	2.9	0	9.0	0	1.2	0	0.319	0	2.351	0	7.371	0	2018	39	1.9
14310.5	10000	38.8948	95.0462	-544	QGD	2.7	-1	9.1	0	1.3	0	0.299	0	2.165	-1	7.232	0	2016	43	1.9
14310.4	10000	38.8948	95.0454	-542	QGD	2.7	-1	9.6	0	1.3	0	0.282	-1	2.109	-1	7.484	0	2023	46	1.9
14310.3	10000	38.8948	95.0447	-539	QGD	2.8	-1	10.2	1	1.3	0	0.273	-1	2.185	-1	8.019	1	2043	46	1.9
14310.2	10000	38.8948	95.0439	-537	QGD	2.8	-1	10.3	1	1.3	1	0.268	-1	2.111	-1	7.864	0	2069	52	1.9
14310.1	10000	38.8948	95.0432	-535	QGD	2.9	0	10.3	1	1.4	1	0.284	-1	2.146	-1	7.566	0	2028	44	1.9
14310.0	10000	38.8948	95.0424	-533	QGD	3.0	0	10.1	1	1.3	1	0.299	-1	2.261	-1	7.563	0	2094	41	1.9
14309.9	10000	38.8948	95.0417	-530	QGD	3.0	0	10.2	1	1.3	1	0.292	-1	2.220	-1	7.598	0	2114	43	1.9
14309.8	10000	38.8947	95.0409	-529	QGD	2.8	0	10.1	1	1.4	1	0.280	-1	2.094	-1	7.470	0	2116	47	1.9
14309.7	10000	38.8947	95.0402	-527	QGD	2.9	0	9.9	0	1.3	1	0.292	-1	2.156	-1	7.384	0	2145	43	1.9
14309.6	10000	38.8947	95.0394	-525	QGD	3.1	0	10.0	1	1.4	1	0.306	0	2.239	-1	7.321	0	2153	48	1.9
14309.5	10000	38.8947	95.0387	-523	QGD	3.1	0	9.5	0	1.4	1	0.329	0	2.249	-1	6.836	-1	2146	48	1.9
14309.4	10000	38.8947	95.0379	-520	QGD	3.0	0	9.7	0	1.4	1	0.308	0	2.184	-1	7.087	-1	2164	50	2.0
14309.3	10000	38.8947	95.0371	-520	QGD	3.1	0	9.9	0	1.4	1	0.316	0	2.284	0	7.240	0	2187	32	2.0
14309.2	10000	38.8947	95.0364	-519	QGD	3.4	0	9.9	0	1.4	1	0.342	0	2.499	0	7.310	0	2197	64	2.0
14309.1	10000	38.8947	95.0356	-518	QGD	3.7	1	9.8	0	1.3	1	0.381	1	2.810	1	7.383	0	2207	57	2.0
14309.0	10000	38.8947	95.0349	-517	QGD	3.5	1	9.5	0	1.3	1	0.368	1	2.692	1	7.321	0	2165	50	2.0
14308.9	10000	38.8947	95.0341	-518	PLP	3.4	0	9.2	0	1.3	1	0.369	1	2.706	0	7.324	-1	2122	47	2.0
14308.8	10000	38.8947	95.0334	-519	PLP	3.3	0	9.3	0	1.2	1	0.356	1	2.783	0	7.813	-1	2070	44	2.0
14308.7	10000	38.8947	95.0326	-519	PLP	3.2	0	9.1	0	1.2	1	0.355	1	2.767	0	7.783	-1	2028	45	2.0
14308.6	10000	38.8947	95.0318	-518	PLP	3.3	0	8.4	-1	1.2	1	0.390	1	2.837	0	7.276	-1	1982	53	2.0
14308.5	10000	38.8947	95.0311	-518	PLP	3.2	0	8.1	-1	1.1	1	0.392	1	2.853	0	7.275	-1	1937	37	2.1
14308.4	10000	38.8947	95.0303	-520	PLP	3.0	0	8.5	-1	1.1	1	0.351	1	2.803	0	7.988	0	1925	43	2.1
14308.3	10000	38.8947	95.0296	-521	PLP	3.1	0	8.7	-1	1.1	1	0.358	1	2.876	0	8.033	0	1927	46	2.1
14308.2	10000	38.8947	95.0288	-521	PLP	3.2	0	8.5	-1	1.1	1	0.371	1	2.812	0	7.572	-1	1939	42	2.1
14308.1	10000	38.8947	95.0281	-523	PLP	3.3	0	8.7	-1	1.1	1	0.378	1	2.908	0	7.701	-1	1973	49	2.1
14308.0	10000	38.8947	95.0273	-524	PLP	3.4	0	8.5	-1	1.1	1	0.397	1	2.948	0	7.429	-1	1985	48	2.1
14307.9	10000	38.8947	95.0266	-525	PLP	3.2	0	9.2	0	1.2	1	0.347	1	2.759	0	7.960	0	1997	36	2.1
14307.8	10000	38.8946	95.0258	-527	PLP	3.1	0	9.3	0	1.2	1	0.329	0	2.509	-1	7.625	-1	2020	45	2.1
14307.7	10000	38.8946	95.0250	-527	PLP	3.0	0	8.8	0	1.2	1	0.334	0	2.434	-1	7.282	-1	2002	49	2.1
14307.6	10000	38.8946	95.0243	-527	PLP	2.9	-1	8.6	0	1.2	1	0.339	0	2.410	-1	7.104	-1	1974	40	2.1
14307.5	10000	38.8946	95.0235	-530	PLP	2.6	-1	8.8	0	1.2	1	0.298	-1	2.143	-1	7.192	-1	1942	55	2.1
14307.4	10000	38.8947	95.0228	-529	PLP	2.6	-1	8.2	0	1.2	1	0.312	-1	2.160	-1	6.916	-1	1908	47	2.1
14307.3	10000	38.8947	95.0220	-529	PLP	2.3	-2	8.0	0	1.2	1	0.294	-1	2.037	-1	6.930	-1	1873	44	2.1
14307.2	10000	38.8947	95.0212	-529	PLP	2.4	-2	7.3	-1	1.1	0	0.321	-1	2.142	-1	6.681	-1	1853	39	2.1
14307.1	10000	38.8947	95.0205	-529	PLP	2.5	-2	7.1	-1	1.1	1	0.361	-1	2.445	-1	6.781	-1	1835	40	2.1
14307.0	10000	38.8947	95.0197	-529	PLP	2.5	-2	7.0	-1	1.1	1	0.359	-1	2.335	-1	6.506	-1	1846	40	2.2
14306.9	10000	38.8947	95.0190	-527	PLP	2.5	-2	6.8	-1	1.1	1	0.369	-1	2.251	-1	6.104	-2	1874	49	2.2
14306.8	10000	38.8947	95.0182	-527	PLP	2.6	-1	6.4	-1	1.1	1	0.406	-1	2.343	-1	5.770	-2	1907	46	2.2
14306.7	10000	38.8947	95.0174	-527	PLP	2.6	-1	6.9	-1	1.1	1	0.381	-1	2.314	-1	6.069	-2	1923	36	2.2
14306.6	10000	38.8947	95.0167	-527	PLP	2.7	-1	7.3	-1	1.2	1	0.372	-1	2.337	-1	6.280	-2	1942	51	2.2
14306.5	10000	38.8947	95.0159	-526	QGD	2.6	-1	7.6	-1	1.2	1	0.338	-1	2.165	-1	6.408	-1	1963	37	2.2
14306.4	10000	38.8947	95.0152	-525	QGD	2.5	-1	7.9	-1	1.2	1	0.318	-1	2.050	-1	6.450	-1	1977	53	2.2
14306.3	10000	38.8947	95.0144	-527	QGD	2.5	-1	7.9	-1	1.2	1	0.322	-1	2.170	-1	6.738	-1	1971	47	2.2
14306.2	10000	38.8947	95.0136	-527	QGD	2.4	-2	8.4	-1	1.2	-1	0.285	-1	2.05[illegible]	-1	7.200	-1	1974	56	2.2

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14306.1	10000	38.8947	95.0129	-528	QGD	2.5	-1	8.8	-1	1.2	-1	0.285	-1	2.172	-1	7.631	0	1985	56	2.2
14306.0	10000	38.8947	95.0121	-530	QGD	2.6	-1	8.8	-1	1.1	-1	0.300	0	2.306	0	7.692	0	2000	36	2.2
14305.9	10000	38.8947	95.0113	-531	QGD	2.6	-1	9.0	0	1.1	-1	0.289	-1	2.358	0	8.154	1	2021	58	2.2
14305.8	10000	38.8947	95.0106	-520	QGD	2.9	0	9.1	0	1.1	-1	0.314	0	2.655	0	8.453	1	2022	55	2.2
14305.6	10000	38.8948	95.0090	-517	QGD	2.9	0	9.0	0	1.0	-2	0.320	0	2.742	1	8.556	1	2021	43	2.2
14305.5	10000	38.8948	95.0083	-536	QGD	2.8	-1	9.3	0	1.1	-1	0.294	-1	2.571	0	8.736	1	2015	40	2.2
14305.4	10000	38.8948	95.0075	-539	QGD	2.7	-1	9.5	0	1.0	-2	0.284	-1	2.600	0	9.148	2	1996	41	2.2
14305.3	10000	38.8948	95.0068	-542	QGD	2.5	-1	9.3	0	1.0	-2	0.267	-1	2.425	0	9.080	2	1957	43	2.2
14305.2	10000	38.8948	95.0060	-543	QGD	2.3	-2	9.3	0	1.0	-2	0.245	-1	2.236	-1	9.113	2	1933	44	2.2
14305.1	10000	38.8948	95.0052	-543	QGD	2.5	-1	9.1	0	1.0	-2	0.269	-1	2.451	0	9.099	2	1886	52	2.2
14305.0	10000	38.8948	95.0045	-543	QGD	2.3	-2	9.0	0	1.0	-2	0.252	-1	2.245	-1	8.900	2	1853	53	2.2
14304.9	10000	38.8948	95.0037	-545	PLP	2.1	-2	9.0	-1	1.0	-1	0.229	-2	2.080	-1	9.064	2	1813	51	2.2
14304.8	10000	38.8948	95.0029	-545	PLP	2.2	-2	8.6	-1	1.0	-1	0.249	-2	2.158	-1	8.654	0	1797	60	2.2
14304.7	10000	38.8948	95.0022	-546	PLP	2.5	-2	8.2	-1	1.0	-1	0.303	-1	2.510	-1	8.280	0	1778	35	2.2
14304.6	10000	38.8948	95.0014	-547	PLP	2.8	-1	7.9	-2	0.9	-1	0.352	0	2.959	0	8.398	0	1788	48	2.2
14304.5	10000	38.8948	95.0007	-548	PLP	3.0	0	7.6	-2	0.9	-1	0.396	1	3.334	1	8.417	0	1791	51	2.2
14304.4	10000	38.8948	94.9999	-548	PLP	3.0	0	7.2	-2	1.0	-1	0.422	2	3.146	0	7.461	-1	1810	43	2.2
14304.3	10000	38.8948	94.9991	-548	PLP	3.3	0	7.0	-3	1.0	-1	0.468	2	3.339	1	7.136	-1	1843	43	2.2
14304.2	10000	38.8948	94.9984	-549	PLP	3.4	0	7.2	-2	1.0	-1	0.465	2	3.480	1	7.490	-1	1887	42	2.2
14304.1	10000	38.8948	94.9976	-551	PLP	3.5	1	7.6	-2	1.0	-1	0.459	2	3.504	1	7.635	-1	1947	44	2.2
14304.0	10000	38.8949	94.9969	-553	PLP	3.4	0	7.8	-2	1.0	-1	0.438	2	3.288	1	7.514	-1	2014	49	2.2
14303.9	10000	38.8949	94.9961	-555	PLP	3.4	0	8.3	-1	1.2	0	0.412	1	2.900	0	7.035	-1	2084	56	2.2
14303.8	10000	38.8949	94.9953	-556	PLP	3.4	0	8.5	-1	1.3	1	0.395	1	2.681	0	6.789	-1	2141	46	2.2
14303.7	10000	38.8949	94.9946	-558	PLP	3.5	1	8.8	-1	1.3	1	0.396	1	2.724	0	6.873	-1	2196	30	2.2
14303.6	10000	38.8949	94.9938	-559	PLP	3.6	1	9.1	0	1.3	1	0.389	1	2.787	0	7.157	-1	2227	56	2.2
14303.5	10000	38.8949	94.9930	-562	PLP	3.5	1	9.7	0	1.3	1	0.356	1	2.573	0	7.216	-1	2256	57	2.2
14303.4	10000	38.8949	94.9923	-563	PKC	3.6	1	9.7	0	1.3	1	0.368	1	2.706	0	7.354	-1	2266	55	2.2
14303.3	10000	38.8949	94.9915	-564	PKC	3.7	1	9.9	0	1.3	1	0.375	1	2.923	0	7.791	0	2271	42	2.2
14303.2	10000	38.8949	94.9908	-565	PKC	3.7	1	10.2	0	1.2	1	0.367	1	3.000	0	8.179	0	2262	33	2.2
14303.1	10000	38.8949	94.9900	-567	PKC	3.5	1	10.9	1	1.2	1	0.322	1	2.891	0	8.965	0	2241	49	2.2
14303.0	10000	38.8949	94.9892	-570	PKC	3.3	1	11.3	1	1.2	1	0.292	1	2.745	0	9.403	1	2238	50	2.2
14302.9	10000	38.8949	94.9885	-573	PKC	3.2	1	11.6	1	1.2	1	0.276	1	2.623	-1	9.508	1	2234	53	2.2
14302.8	10000	38.8949	94.9877	-575	PKC	3.1	1	11.4	1	1.1	1	0.274	1	2.752	0	10.034	1	2222	59	2.2
14302.7	10000	38.8949	94.9869	-575	PKC	3.1	1	11.5	1	1.1	1	0.268	1	2.755	0	10.267	2	2203	46	2.2
14302.6	10000	38.8950	94.9862	-578	PKC	2.9	1	11.6	1	1.2	1	0.251	1	2.482	-1	9.883	1	2192	44	2.2
14302.5	10000	38.8950	94.9854	-580	PLP	2.9	-1	11.2	0	1.2	1	0.261	1	2.540	-1	9.724	1	2179	40	2.2
14302.4	10000	38.8950	94.9846	-581	PLP	3.0	0	11.0	0	1.2	1	0.272	1	2.610	-1	9.593	1	2175	46	2.2
14302.3	10000	38.8950	94.9839	-583	PLP	3.0	0	11.0	1	1.2	1	0.273	1	2.583	-1	9.458	1	2171	47	2.1
14302.2	10000	38.8950	94.9831	-585	PLP	2.7	0	10.7	1	1.2	1	0.253	2	2.268	-1	8.977	1	2146	36	2.1
14302.1	10000	38.8950	94.9824	-587	PLP	2.9	-1	10.1	1	1.2	1	0.283	1	2.304	-1	8.126	0	2113	47	2.1
14302.0	10000	38.8950	94.9816	-589	PLP	2.7	-1	9.6	1	1.2	1	0.280	-1	2.098	-1	7.490	-1	2072	52	2.1
14301.9	10000	38.8950	94.9808	-590	PLP	2.8	-1	9.1	1	1.2	2	0.311	-1	2.271	-1	7.309	-1	2044	36	2.1
14301.8	10000	38.8950	94.9801	-590	PLP	2.9	-1	8.7	1	1.2	2	0.334	-1	2.416	-1	7.243	-1	2002	39	2.1
14301.7	10000	38.8950	94.9793	-592	PLP	3.0	-1	8.1	1	1.2	2	0.369	-1	2.467	-1	6.683	-1	1985	40	2.1
14301.6	10000	38.8950	94.9786	-594	PLP	3.1	-2	7.3	1	1.2	2	0.429	-1	2.564	0	5.982	-2	1973	41	2.1
14301.5	10000	38.8950	94.9778	-595	PLP	3.4	-2	7.5	1	1.3	2	0.455	-1	2.773	0	6.091	-2	1998	43	2.1
14301.4	10000	38.8950	94.9770	-594	PLP	3.4	-2	7.7	1	1.3	2	0.442	-1	2.647	0	5.990	-2	2045	36	2.1
14301.3	10000	38.8950	94.9763	-593	PLP	3.9	-1	8.4	1	1.4	2	0.468	-1	2.959	0	6.322	-1	2118	80	2.1
14301.2	10000	38.8950	94.9755	-594	PLP	3.9	-1	8.9	1	1.4	2	0.431	-1	2.823	0	6.555	-1	2175	54	2.1
14301.1	10000	38.8950	94.9747	-593	PLP	3.6	0	9.7	1	1.4	2	0.367	-1	2.586	0	7.037	-1	2235	45	2.1
14301.0	10000	38.8950	94.9740	-592	PKC	3.5	0	10.1	1	1.4	2	0.346	-1	2.435	0	7.042	-1	2239	54	2.1
14300.9	10000	38.8950	94.9732	-590	PKC	3.5	0	10.3	1	1.4	2	0.341	-1	2.495	-1	7.309	-1	2206	45	2.1

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14300.8	10000	38.8951	94.9725	-588	PKC	3.6	1	10.1	1	1.4	1	0.353	0	2.638	0	7.480	-1	2153	39	2.0
14300.7	10000	38.8951	94.9717	-586	PKC	3.6	0	9.8	0	1.3	1	0.363	0	2.836	0	7.804	0	2094	34	2.0
14300.6	10000	38.8951	94.9709	-585	PKC	3.3	0	8.9	0	1.2	1	0.373	0	2.878	0	7.711	0	2023	45	2.0
14300.5	10000	38.8951	94.9702	-582	PKC	3.1	0	8.6	-1	1.1	0	0.362	0	2.721	0	7.507	-1	1977	47	2.0
14300.4	10000	38.8951	94.9694	-580	PKC	3.1	0	8.1	-1	1.2	0	0.384	0	2.682	0	6.984	-1	1954	37	2.0
14300.3	10000	38.8951	94.9686	-579	PKC	3.2	0	8.1	-1	1.1	0	0.392	0	2.774	0	7.082	-1	1962	48	2.0
14300.2	10000	38.8951	94.9679	-578	PKC	3.3	0	8.3	-1	1.1	0	0.395	0	2.860	0	7.250	-1	1998	45	2.0
14300.1	10000	38.8951	94.9671	-575	PKC	3.2	0	8.5	-1	1.2	0	0.376	0	2.699	0	7.182	-1	2056	43	2.0
14300.0	10000	38.8951	94.9664	-573	PKC	3.3	0	8.7	-1	1.3	1	0.379	0	2.620	-1	6.910	-1	2118	48	2.0
14299.9	10000	38.8951	94.9656	-572	PKC	3.4	0	9.1	0	1.3	1	0.374	0	2.599	-1	6.951	-1	2169	45	2.0
14299.8	10000	38.8951	94.9648	-571	PKC	3.6	1	9.2	0	1.3	1	0.389	0	2.807	0	7.217	-1	2189	50	2.0
14299.7	10000	38.8951	94.9641	-570	PKC	3.5	0	9.4	0	1.3	1	0.369	0	2.783	0	7.534	-1	2180	58	2.0
14299.6	10000	38.8951	94.9633	-568	PLP	3.6	1	9.5	0	1.2	1	0.384	1	2.964	0	7.711	-1	2177	40	2.0
14299.5	10000	38.8951	94.9625	-567	PLP	3.4	0	9.2	0	1.2	1	0.371	1	2.863	0	7.726	-1	2158	47	2.0
14299.4	10000	38.8951	94.9618	-567	PLP	3.7	1	9.3	0	1.1	0	0.395	1	3.228	1	8.169	0	2133	56	1.9
14299.3	10000	38.8951	94.9610	-565	PLP	3.7	1	9.6	0	1.1	0	0.385	1	3.372	1	8.764	0	2108	43	1.9
14299.2	10000	38.8951	94.9603	-562	PLP	3.6	1	9.6	0	1.1	0	0.380	1	3.382	1	8.900	0	2098	42	1.9
14299.1	10000	38.8952	94.9595	-561	PLP	3.7	1	9.6	0	1.1	-1	0.390	1	3.516	1	9.020	0	2088	45	1.9
14299.0	10000	38.8952	94.9587	-562	PLP	4.0	2	9.5	0	1.1	0	0.419	1	3.686	1	8.802	0	2098	40	1.9
14298.9	10000	38.8952	94.9580	-561	PLP	3.8	1	9.6	0	1.1	0	0.392	1	3.394	1	8.660	0	2109	46	1.9
14298.8	10000	38.8952	94.9572	-559	PLP	3.5	1	9.9	0	1.1	0	0.356	0	3.121	0	8.778	0	2107	44	1.9
14298.7	10000	38.8952	94.9565	-558	PLP	3.3	1	9.7	0	1.1	0	0.340	0	2.902	0	8.534	0	2100	39	1.9
14298.6	10000	38.8952	94.9557	-557	PLP	3.3	0	9.6	0	1.1	0	0.338	0	2.839	0	8.389	0	2101	62	1.9
14298.5	10000	38.8952	94.9549	-556	PLP	3.2	0	9.8	0	1.1	0	0.328	0	2.806	0	8.561	0	2100	42	1.9
14298.4	10000	38.8952	94.9542	-554	PLP	2.9	-1	9.8	0	1.2	0	0.298	-1	2.521	-1	8.467	0	2086	40	1.9
14298.3	10000	38.8952	94.9534	-551	PLP	2.6	-1	9.7	0	1.1	0	0.269	-1	2.317	-1	8.616	0	2078	50	1.9
14298.2	10000	38.8952	94.9526	-550	PLP	2.8	-1	9.8	0	1.1	0	0.285	-1	2.498	-1	8.771	0	2079	54	1.9
14298.1	10000	38.8952	94.9519	-549	PLP	3.0	0	9.9	0	1.1	0	0.305	-1	2.771	0	9.090	0	2071	54	1.9
14298.0	10000	38.8952	94.9511	-545	PLP	3.1	0	10.1	0	1.1	0	0.306	-1	2.887	0	9.423	1	2061	49	1.9
14297.9	10000	38.8952	94.9503	-542	PLP	3.0	0	9.9	0	1.1	0	0.308	-1	2.891	0	9.388	1	2039	53	1.9
14297.8	10000	38.8952	94.9496	-540	PLP	3.0	0	9.8	0	1.1	0	0.310	-1	2.873	0	9.275	1	2037	48	1.9
14297.7	10000	38.8952	94.9488	-537	PLP	3.3	0	10.1	0	1.1	0	0.326	0	3.091	0	9.495	1	2061	52	1.9
14297.6	10000	38.8952	94.9481	-534	PLP	3.4	0	10.2	0	1.1	0	0.331	0	3.203	0	9.679	1	2058	41	1.9
14297.5	10000	38.8952	94.9473	-531	PLP	3.3	0	10.0	0	1.1	0	0.325	0	3.138	0	9.643	1	2033	44	1.9
14297.4	10000	38.8952	94.9465	-528	PLP	3.3	0	10.1	0	1.1	0	0.329	0	3.229	0	9.814	1	2016	40	1.9
14297.3	10000	38.8953	94.9458	-525	PLP	3.0	0	9.9	0	1.1	0	0.315	0	2.910	0	9.226	1	1989	40	1.9
14297.2	10000	38.8953	94.9450	-523	PLP	2.8	-1	9.5	0	1.1	0	0.297	-1	2.660	-1	8.969	1	1982	58	1.9
14297.1	10000	38.8953	94.9442	-521	PLP	2.6	-1	9.6	0	1.1	0	0.271	-1	2.521	-1	8.312	1	1939	52	1.9
14297.0	10000	38.8953	94.9435	-518	PLP	2.6	-1	9.4	0	1.1	0	0.277	-1	2.534	-1	9.147	1	1903	40	1.9
14296.9	10000	38.8953	94.9427	-514	PLP	2.5	-1	9.3	0	1.1	0	0.269	-1	2.381	-1	8.865	1	1895	43	1.9
14296.8	10000	38.8953	94.9420	-511	PLP	2.4	-1	9.5	0	1.1	0	0.253	-1	2.315	-1	9.142	1	1908	41	1.9
14296.7	10000	38.8953	94.9412	-512	PLP	2.5	-1	9.5	0	1.1	0	0.259	-1	2.193	-1	8.482	1	1955	39	1.9
14296.6	10000	38.8953	94.9404	-513	PLP	2.6	-1	9.3	0	1.1	0	0.260	-1	2.279	-1	8.772	1	1997	48	1.9
14296.5	10000	38.8953	94.9397	-514	PLP	2.9	-1	9.3	0	1.1	0	0.277	-1	2.561	-1	9.238	1	2032	33	1.9
14296.4	10000	38.8953	94.9389	-513	PLP	3.0	0	9.2	0	1.1	0	0.296	-1	2.644	-1	8.926	1	2078	50	1.9
14296.3	10000	38.8953	94.9382	-512	PLP	3.1	0	9.2	0	1.1	0	0.301	-1	2.651	-1	8.823	1	2098	46	1.9
14296.2	10000	38.8953	94.9374	-511	PLP	3.2	0	9.3	0	1.1	0	0.302	-1	2.687	-1	8.898	1	2112	53	1.9
14296.1	10000	38.8953	94.9366	-512	PLP	3.4	0	9.6	0	1.1	0	0.338	-1	2.922	-1	8.645	1	2117	41	1.9
14296.0	10000	38.8953	94.9359	-513	PLP	3.5	0	9.7	0	1.1	0	0.350	-1	3.035	-1	8.656	1	2099	50	1.9
14295.9	10000	38.8953	94.9351	-515	PLP	3.6	1	9.7	0	1.1	0	0.375	-1	3.136	-1	8.588	1	2106	44	1.9
14295.8	10000	38.8953	94.9343	-515	PC	3.6	1	9.7	0	1.1	0	0.379	-1	3.069	-1	8.102	1	2110	41	1.9
14295.7	10000	38.8953	94.9336	-516	PC	3.5	0	9.7	0	1.2	0	0.362	-1	2.934	-1	8.116	0	2126	50	1.9

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14295.6	10000	38.8954	94.9328	-518	PC	3.4	0	9.7	0	1.2	1	0.345	0	2.745	0	7.946	-1	2153	39	1.9
14295.5	10000	38.8954	94.9321	-520	PC	3.3	0	9.5	0	1.2	1	0.351	0	2.769	0	7.886	-1	2159	43	1.9
14295.4	10000	38.8954	94.9313	-521	PC	3.4	0	9.8	0	1.2	1	0.350	0	2.741	0	7.822	-1	2175	47	1.9
14295.3	10000	38.8954	94.9305	-523	PC	3.2	0	9.8	0	1.3	1	0.322	0	2.400	-1	7.446	-1	2202	53	1.9
14295.2	10000	38.8954	94.9298	-525	PC	3.3	0	9.8	0	1.4	1	0.333	0	2.400	-1	7.206	-1	2201	33	1.9
14295.1	10000	38.8954	94.9290	-528	PC	3.4	0	9.7	0	1.3	1	0.347	0	2.528	-1	7.279	-1	2189	46	1.9
14295.0	10000	38.8954	94.9282	-530	PC	3.2	0	9.3	0	1.3	1	0.339	0	2.385	-1	7.026	-1	2174	40	1.9
14294.9	10000	38.8954	94.9275	-532	PC	3.3	0	9.2	0	1.3	1	0.358	0	2.474	-1	6.913	-1	2160	44	1.9
14294.8	10000	38.8954	94.9267	-536	PC	3.6	1	9.1	0	1.3	1	0.400	1	2.797	0	6.989	-1	2163	51	1.9
14294.7	10000	38.8954	94.9259	-540	PC	3.4	0	8.8	0	1.3	1	0.382	0	2.588	-1	6.772	-1	2141	48	1.9
14294.6	10000	38.8954	94.9252	-544	PC	3.7	1	8.8	0	1.2	1	0.415	1	2.943	0	7.089	-1	2121	45	1.9
14294.5	10000	38.8954	94.9244	-548	PC	3.4	0	9.3	0	1.2	0	0.371	0	2.865	0	7.714	-1	2111	42	1.9
14294.4	10000	38.8954	94.9237	-551	PC	3.2	0	9.3	0	1.2	0	0.345	0	2.650	0	7.671	-1	2109	49	1.9
14294.3	10000	38.8954	94.9229	-554	PC	3.7	1	9.3	0	1.2	0	0.392	1	3.098	0	7.894	-1	2109	43	1.9
14294.2	10000	38.8954	94.9221	-559	PC	3.5	0	9.6	0	1.2	0	0.368	0	2.969	0	8.061	0	2108	53	1.9
14294.1	10000	38.8954	94.9214	-562	PC	3.2	0	9.8	0	1.2	0	0.324	0	2.585	-1	7.981	-1	2097	49	1.9
14294.0	10000	38.8954	94.9206	-565	PC	3.3	0	9.8	0	1.2	0	0.341	0	2.852	0	8.370	0	2096	59	1.9
14293.9	10000	38.8954	94.9199	-570	PD	3.3	0	9.5	0	1.2	0	0.345	0	2.852	0	8.255	0	2071	62	1.9
14293.8	10000	38.8955	94.9191	-575	PD	3.4	0	9.0	-1	1.1	0	0.374	1	3.030	0	8.107	-1	2018	51	1.9
14293.7	10000	38.8955	94.9183	-579	PD	3.4	0	8.4	-1	1.0	0	0.404	1	3.253	0	8.058	-1	1949	46	1.9
14293.6	10000	38.8955	94.9176	-583	PD	3.2	0	7.9	-1	1.0	0	0.402	1	3.083	0	7.662	-1	1900	45	1.9
14293.5	10000	38.8955	94.9168	-586	PD	3.4	0	7.3	-2	1.0	-1	0.462	2	3.471	1	7.515	-1	1895	44	1.9
14293.4	10000	38.8955	94.9160	-589	PD	3.4	1	7.4	-2	1.0	-1	0.460	2	3.422	1	7.446	-1	1909	52	1.9
14293.3	10000	38.8955	94.9153	-593	PD	3.3	0	8.0	-1	1.0	0	0.414	1	3.190	0	7.699	-1	1933	41	1.9
14293.2	10000	38.8955	94.9145	-597	PD	3.3	0	8.6	-1	1.1	0	0.384	1	3.086	0	8.043	-1	1971	45	1.9
14293.1	10000	38.8955	94.9138	-598	PD	3.2	0	8.6	-1	1.2	0	0.375	1	2.805	0	7.488	-1	2047	48	1.9
14293.0	10000	38.8955	94.9130	-601	PD	3.1	0	9.3	0	1.3	1	0.335	0	2.479	-1	7.398	-1	2133	45	1.9
14292.9	10000	38.8955	94.9122	-604	PD	3.0	0	10.0	0	1.3	1	0.296	-1	2.272	-1	7.680	-1	2196	41	1.9
14292.8	10000	38.8955	94.9115	-606	PD	2.9	-1	10.6	1	1.4	1	0.273	-1	2.143	-1	7.847	-1	2199	39	1.9
14292.7	10000	38.8955	94.9107	-607	PD	3.0	0	10.3	0	1.3	1	0.295	-1	2.265	-1	7.681	-1	2205	43	2.0
14292.6	10000	38.8955	94.9099	-608	PD	3.2	0	9.9	0	1.3	1	0.322	0	2.406	-1	7.470	-1	2195	45	2.0
14292.5	10000	38.8955	94.9092	-609	PD	3.1	0	9.9	0	1.3	1	0.309	0	2.273	-1	7.363	-1	2202	54	2.0
14292.4	10000	38.8955	94.9084	-610	PD	3.1	0	9.9	0	1.3	1	0.314	0	2.325	-1	7.406	-1	2207	52	2.0
14292.3	10000	38.8955	94.9077	-611	PD	3.3	0	10.1	0	1.3	1	0.324	0	2.466	-1	7.622	-1	2208	38	2.0
14292.2	10000	38.8955	94.9069	-611	PD	3.4	0	10.7	0	1.3	1	0.320	0	2.589	-1	8.101	-1	2200	45	2.0
14292.1	10000	38.8955	94.9061	-611	PD	3.2	0	10.8	0	1.3	1	0.301	-1	2.459	-1	8.169	-1	2199	42	2.0
14292.0	10000	38.8955	94.9054	-610	PD	3.2	0	10.7	0	1.3	1	0.298	-1	2.441	-1	8.202	-1	2168	61	2.0
14291.9	10000	38.8955	94.9046	-608	PD	3.3	0	10.8	0	1.3	1	0.280	-1	2.294	-1	8.194	-1	2157	47	2.0
14291.8	10000	38.8955	94.9038	-604	PD	3.4	0	10.6	0	1.4	1	0.310	-1	2.399	-1	7.747	-1	2164	42	2.0
14291.7	10000	38.8955	94.9031	-600	PD	3.3	0	10.8	0	1.3	1	0.307	-1	2.466	-1	8.042	-1	2166	47	2.0
14291.6	10000	38.8955	94.9023	-597	PD	3.4	0	10.7	0	1.4	1	0.304	-1	2.362	-1	7.763	-1	2187	58	2.0
14291.5	10000	38.8955	94.9015	-596	PD	3.4	0	10.0	0	1.4	1	0.335	0	2.394	-1	7.157	-1	2209	53	2.0
14291.4	10000	38.8955	94.9008	-594	PD	3.5	0	9.9	0	1.4	1	0.366	1	2.597	-1	7.094	-1	2245	37	2.0
14291.3	10000	38.8955	94.9000	-591	PD	3.5	0	10.1	0	1.5	1	0.381	1	2.631	-1	6.897	-1	2308	54	2.0
14291.2	10000	38.8955	94.8992	-587	PD	3.5	0	10.3	0	1.5	1	0.381	1	2.635	-1	6.918	-1	2344	46	2.0
14291.1	10000	38.8955	94.8985	-583	PD	3.5	0	10.2	0	1.5	1	0.367	1	2.593	-1	7.062	-1	2329	45	2.0
14291.0	10000	38.8955	94.8977	-578	PD	3.4	0	9.9	0	1.4	1	0.367	1	2.573	-1	7.005	-1	2307	49	2.0
14290.9	10000	38.8955	94.8969	-573	PD	3.4	0	9.8	0	1.4	1	0.361	1	2.490	-1	6.899	-1	2274	50	2.0
14290.8	10000	38.8955	94.8961	-570	PD	3.4	0	9.4	0	1.4	1	0.348	1	2.428	-1	6.977	-1	2224	56	2.0
14290.7	10000	38.8955	94.8954	-566	PD	3.4	0	9.2	0	1.4	1	0.350	1	2.420	-1	6.917	-1	2180	38	2.0
14290.6	10000	38.8955	94.8946	-560	PD	3.1	0	8.7	0	1.3	1	0.335	1	2.464	-1	7.366	-1	2102	53	2.0
14290.5	10000	38.8955	94.8938	-556	PD	2.9	-1	8.7	-1	1.2	1	0.332	0	2.452	-1	7.376	-1	2034	61	2.0

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14290.4	10000	38.8955	94.8931	-554	PD	2.9	-1	8.6	-1	1.1	0	0.336	0	2.649	-1	7.892	-1	1971	34	2.0
14290.3	10000	38.8955	94.8923	-550	PD	2.8	-1	8.2	-1	1.0	-1	0.344	0	2.806	0	8.146	-1	1925	31	2.0
14290.2	10000	38.8955	94.8915	-545	PKC	2.9	-1	7.8	-1	1.0	-1	0.373	0	3.041	0	8.163	0	1859	55	2.0
14290.1	10000	38.8955	94.8908	-542	PKC	3.1	0	7.5	-1	1.0	-1	0.414	1	3.229	0	7.808	0	1819	51	2.0
14290.0	10000	38.8955	94.8900	-539	PKC	3.2	0	7.0	-2	0.9	-1	0.457	1	3.452	1	7.546	-1	1773	32	2.0
14289.9	10000	38.8954	94.8892	-535	PKC	3.1	0	7.0	-2	0.9	-1	0.441	1	3.383	1	7.672	-1	1742	68	2.0
14289.8	10000	38.8954	94.8885	-530	PKC	3.1	0	7.0	-2	0.9	-1	0.438	1	3.389	1	7.745	0	1742	47	2.0
14289.7	10000	38.8954	94.8877	-527	PKC	3.1	0	7.0	-2	0.9	-1	0.439	1	3.258	0	7.422	-1	1779	53	2.0
14289.6	10000	38.8954	94.8869	-525	PKC	3.1	0	7.3	-2	1.0	-1	0.421	1	3.036	0	7.206	-1	1801	56	2.0
14289.5	10000	38.8954	94.8862	-521	PKC	3.4	0	7.6	-1	1.1	0	0.444	1	3.158	0	7.119	-1	1839	47	2.0
14289.4	10000	38.8954	94.8854	-518	PKC	3.1	0	7.6	-1	1.0	-1	0.408	1	3.037	0	7.448	-1	1845	52	2.0
14289.3	10000	38.8954	94.8846	-516	PKC	3.0	0	8.0	-1	1.0	-1	0.382	0	3.162	0	8.280	0	1834	41	2.0
14289.2	10000	38.8954	94.8839	-514	PKC	3.2	0	7.5	-1	0.9	-1	0.422	1	3.358	1	7.954	0	1833	51	2.0
14289.1	10000	38.8954	94.8831	-510	PKC	3.4	0	7.2	-2	0.9	-1	0.464	1	3.632	1	7.830	0	1802	49	2.0
14289.0	10000	38.8954	94.8823	-508	PKC	3.5	0	7.1	-2	0.9	-2	0.492	2	4.048	2	8.234	0	1770	49	2.0
14288.9	10000	38.8954	94.8815	-506	PKC	3.6	1	6.9	-2	0.8	-2	0.524	2	4.403	2	8.408	0	1728	49	2.0
14288.8	10000	38.8954	94.8808	-504	PKC	3.4	0	6.6	-2	0.8	-2	0.522	2	4.283	2	8.204	0	1721	57	2.0
14288.7	10000	38.8954	94.8800	-501	PKC	3.5	0	6.6	-2	0.8	-2	0.534	2	4.441	2	8.319	0	1725	47	2.0
14288.6	10000	38.8954	94.8792	-499	PKC	3.3	0	6.5	-2	0.9	-1	0.510	2	3.739	1	7.334	-1	1764	46	2.0
14288.5	10000	38.8954	94.8785	-497	PKC	3.3	0	6.9	-2	0.9	-1	0.481	2	3.601	1	7.489	-1	1808	68	2.0
14288.4	10000	38.8954	94.8777	-496	PKC	3.4	0	7.6	-1	1.0	-1	0.452	1	3.523	1	7.791	0	1846	47	2.0
14288.3	10000	38.8954	94.8769	-495	PKC	3.3	0	7.6	-1	1.0	0	0.428	1	3.129	0	7.304	-1	1890	57	2.0
14288.2	10000	38.8954	94.8762	-492	PKC	3.3	0	7.6	-1	1.1	0	0.434	1	3.069	0	7.075	-1	1946	47	2.0
14288.1	10000	38.8954	94.8754	-491	PKC	3.3	0	8.1	-1	1.0	-1	0.408	1	3.156	0	7.729	0	1974	48	2.0
14288.0	10000	38.8954	94.8746	-490	PKC	3.4	0	8.5	-1	1.1	0	0.405	1	3.007	0	7.419	-1	2029	42	2.0
14287.9	10000	38.8954	94.8739	-486	PKC	3.4	0	8.9	-1	1.2	0	0.380	1	2.856	0	7.512	-1	2053	45	2.0
14287.8	10000	38.8954	94.8731	-483	PKC	3.3	0	9.1	-1	1.3	0	0.359	1	2.602	-1	7.255	-1	2075	52	2.0
14287.7	10000	38.8953	94.8723	-483	PKC	3.2	0	8.8	-1	1.3	0	0.362	1	2.469	-1	6.813	-1	2103	52	2.0
14287.6	10000	38.8953	94.8716	-481	PKC	3.2	0	8.8	-1	1.3	0	0.364	1	2.517	-1	6.908	-1	2107	54	2.0
14287.5	10000	38.8953	94.8708	-479	PLP	3.3	0	9.5	-1	1.4	0	0.352	1	2.475	-1	7.027	-1	2134	49	2.0
14287.4	10000	38.8953	94.8700	-480	PLP	3.4	0	9.4	-1	1.3	0	0.363	1	2.462	-1	6.786	-1	2172	49	2.0
14287.3	10000	38.8953	94.8692	-481	PLP	3.7	0	9.2	-1	1.3	0	0.393	1	2.689	-1	6.844	-1	2203	50	2.0
14287.2	10000	38.8953	94.8685	-480	PLP	3.9	0	9.3	-1	1.3	0	0.423	1	2.908	-1	6.877	-1	2237	52	2.0
14287.1	10000	38.8953	94.8677	-477	PLP	3.9	0	9.7	-1	1.3	0	0.415	1	2.871	-1	6.917	-1	2258	36	2.0
14287.0	10000	38.8953	94.8669	-475	PLP	3.8	0	9.1	-1	1.3	0	0.392	1	2.836	-1	7.227	-1	2277	52	2.0
14286.9	10000	38.8953	94.8662	-477	PLP	3.9	0	10.2	-1	1.4	0	0.383	1	2.902	-1	7.580	-1	2297	42	2.0
14286.8	10000	38.8953	94.8654	-478	PLP	3.7	0	10.4	-1	1.3	0	0.362	1	2.837	-1	7.829	-1	2306	34	2.0
14286.7	10000	38.8953	94.8646	-479	PLP	3.6	0	10.6	-1	1.3	0	0.342	1	2.707	-1	7.909	-1	2299	40	2.0
14286.6	10000	38.8953	94.8639	-479	PLP	3.2	0	10.7	-1	1.3	0	0.301	1	2.470	-1	8.198	-1	2286	43	2.0
14286.5	10000	38.8953	94.8631	-481	PLP	3.0	0	10.3	-2	1.3	0	0.284	1	2.272	-1	8.005	-1	2246	44	2.0
14286.4	10000	38.8953	94.8623	-484	PLP	3.0	0	10.7	-2	1.3	0	0.293	1	2.357	-1	8.036	-1	2206	45	2.0
14286.3	10000	38.8953	94.8616	-486	PLP	2.9	0	9.8	-2	1.3	0	0.326	1	2.440	-1	7.486	-1	2154	41	2.0
14286.2	10000	38.8953	94.8608	-487	PLP	2.9	0	8.4	-1	1.3	0	0.333	1	2.302	-1	6.910	-2	2099	54	2.0
14286.1	10000	38.8953	94.8600	-489	PLP	2.9	0	8.1	-1	1.3	0	0.362	1	2.343	-1	6.474	-1	2046	54	2.0
14286.0	10000	38.8953	94.8593	-492	PLP	2.9	0	8.3	-1	1.3	0	0.342	1	2.365	-1	6.542	-1	2019	54	2.0
14285.9	10000	38.8953	94.8585	-496	PLP	2.9	0	9.4	-1	1.3	0	0.346	1	2.261	-1	6.617	-1	2008	56	2.0
14285.8	10000	38.8953	94.8577	-497	PLP	2.9	0	9.9	-1	1.3	0	0.346	1	2.353	-1	6.800	-1	2034	49	2.0
14285.7	10000	38.8953	94.8570	-498	PLP	2.9	0	10.4	-1	1.3	0	0.348	1	2.394	-1	6.912	-1	2080	44	2.0
14285.6	10000	38.8953	94.8562	-501	PLP	2.9	0	10.4	-1	1.3	0	0.337	1	2.479	-1	7.134	-1	2120	39	2.0
14285.5	10000	38.8953	94.8554	-504	PLP	2.9	0	10.4	-1	1.3	0	0.317	1	2.523	-1	7.484	-1	2172	39	2.0
14285.4	10000	38.8953	94.8547	-505	PLP	2.9	0	10.4	-1	1.3	0	0.336	1	2.457	-1	7.742	-1	2220	36	2.0
14285.3	10000	38.8952	94.8539	-507	PLP	3.5	1	10.4	-1	1.3	0	0.336	0	2.606	0	7.757	-1	2234	41	1.9

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14285.2	10000	38.8952	94.8531	-510	PLP	3.5	1	10.2	1	1.3	1	0.346	0	2.634	0	7.603	-1	2221	37	1.9
14285.1	10000	38.8952	94.8524	-511	PLP	3.6	1	10.2	1	1.3	1	0.352	0	2.719	0	7.728	-1	2197	46	1.9
14285.0	10000	38.8952	94.8516	-509	PLP	3.5	1	10.0	0	1.3	1	0.350	0	2.775	0	7.931	0	2151	40	1.9
14284.9	10000	38.8952	94.8508	-505	PLP	3.3	0	9.9	0	1.2	1	0.335	0	2.654	0	7.923	0	2128	37	1.9
14284.8	10000	38.8952	94.8501	-496	PLP	3.3	0	9.3	0	1.2	1	0.348	0	2.620	0	7.531	-1	2097	46	1.9
14284.7	10000	38.8952	94.8493	-477	PLP	3.3	0	9.0	-1	1.2	0	0.369	1	2.708	0	7.331	-1	2064	42	1.9
14284.6	10000	38.8952	94.8485	-457	PLP	3.4	1	9.1	0	1.2	0	0.377	1	2.877	0	7.625	-1	2045	40	1.9
14284.5	10000	38.8952	94.8477	-449	PLP	3.5	1	8.6	-1	1.2	0	0.405	1	2.910	0	7.192	-1	2041	42	1.9
14284.4	10000	38.8952	94.8470	-467	PLP	3.3	0	8.3	-1	1.2	0	0.400	1	2.762	0	6.897	-1	2019	45	1.9
14284.3	10000	38.8952	94.8462	-496	PLP	3.5	1	7.9	-2	1.2	0	0.442	2	2.894	0	6.553	-1	1996	40	1.9
14284.2	10000	38.8952	94.8454	-512	PLP	3.5	1	7.9	-2	1.2	0	0.438	2	2.928	0	6.682	-1	1976	45	1.9
14284.1	10000	38.8952	94.8447	-519	PLP	3.2	0	8.5	-1	1.2	0	0.379	1	2.743	0	7.238	-1	1976	51	1.9
14284.0	10000	38.8952	94.8439	-525	PLP	3.2	0	8.4	-1	1.2	0	0.381	1	2.730	0	7.169	-1	1971	57	1.9
14283.9	10000	38.8952	94.8431	-529	PLP	3.1	0	7.9	-2	1.2	0	0.394	1	2.652	0	6.731	-1	1964	43	1.9
14283.8	10000	38.8952	94.8424	-533	PLP	3.0	-1	8.1	-1	1.2	0	0.365	1	2.573	0	7.054	-1	1939	37	1.9
14283.7	10000	38.8952	94.8416	-535	PKC	3.1	0	8.1	-1	1.1	0	0.389	0	2.763	0	7.108	-1	1936	52	1.9
14283.6	10000	38.8952	94.8408	-536	PKC	3.1	0	8.6	-1	1.1	0	0.366	0	2.759	0	7.532	-1	1956	57	1.9
14283.5	10000	38.8952	94.8401	-538	PKC	3.3	0	8.5	-1	1.2	0	0.386	0	2.799	0	7.256	-1	1972	51	1.9
14283.4	10000	38.8952	94.8393	-539	PKC	3.5	0	8.0	-1	1.1	0	0.444	1	3.097	0	6.978	-1	1967	39	1.9
14283.3	10000	38.8952	94.8385	-539	PKC	3.4	0	8.3	-1	1.1	0	0.416	1	3.001	0	7.216	-1	1956	49	1.9
14283.2	10000	38.8951	94.8378	-540	PKC	3.2	0	8.4	-1	1.1	0	0.386	0	2.849	0	7.384	-1	1952	47	1.9
14283.1	10000	38.8951	94.8370	-542	PKC	3.4	0	8.5	-1	1.1	0	0.399	0	3.032	0	7.599	-1	1950	46	1.9
14283.0	10000	38.8951	94.8362	-542	PKC	3.2	0	8.5	-1	1.1	0	0.381	0	2.833	0	7.433	-1	1956	49	1.9
14282.9	10000	38.8951	94.8354	-542	PKC	3.1	0	8.2	-1	1.1	0	0.383	0	2.833	0	7.391	-1	1954	40	1.9
14282.8	10000	38.8951	94.8347	-542	PKC	3.3	0	8.6	-1	1.1	0	0.381	0	3.072	0	8.069	0	1953	52	1.9
14282.7	10000	38.8951	94.8339	-544	PLP	3.2	0	8.7	-1	1.1	-1	0.368	1	3.022	0	8.217	0	1953	41	1.9
14282.6	10000	38.8951	94.8331	-545	PLP	3.2	0	8.1	-1	1.1	-1	0.394	1	3.044	0	7.728	-1	1959	49	1.9
14282.5	10000	38.8951	94.8324	-545	PLP	3.3	0	8.3	-1	1.1	0	0.400	1	3.069	0	7.664	-1	1974	39	1.9
14282.4	10000	38.8951	94.8316	-546	PLP	3.5	1	8.6	-1	1.1	0	0.409	1	3.125	0	7.631	-1	2017	39	1.9
14282.3	10000	38.8951	94.8308	-546	PLP	3.4	1	9.0	-1	1.2	0	0.384	1	2.944	0	7.675	-1	2038	53	1.9
14282.2	10000	38.8951	94.8301	-546	PLP	3.3	0	9.0	0	1.2	0	0.367	1	2.700	0	7.358	-1	2058	54	2.0
14282.1	10000	38.8951	94.8293	-546	PLP	3.1	0	8.8	0	1.3	0	0.353	1	2.390	-1	6.771	-1	2065	48	2.0
14282.0	10000	38.8951	94.8285	-546	PKC	3.3	0	8.8	0	1.3	0	0.374	1	2.455	-1	6.562	-1	2086	38	2.0
14281.9	10000	38.8951	94.8278	-548	PKC	3.5	1	9.4	0	1.3	0	0.373	1	2.699	0	7.243	-1	2093	44	2.0
14281.8	10000	38.8951	94.8270	-549	PKC	3.4	1	9.5	0	1.3	0	0.363	1	2.750	0	7.579	-1	2092	44	2.0
14281.7	10000	38.8951	94.8262	-548	PKC	3.4	1	9.4	0	1.2	0	0.364	1	2.812	0	7.735	-1	2073	33	2.0
14281.6	10000	38.8951	94.8255	-546	PKC	3.6	1	9.3	0	1.2	0	0.387	1	3.026	0	7.812	-1	2073	29	2.0
14281.5	10000	38.8951	94.8247	-548	PKC	3.4	1	9.5	0	1.2	0	0.362	1	2.914	0	8.052	-1	2059	47	2.0
14281.4	10000	38.8951	94.8239	-546	PKC	3.5	1	10.1	0	1.2	0	0.340	1	2.920	0	8.579	-1	2054	43	2.0
14281.3	10000	38.8951	94.8232	-544	PKC	3.2	1	10.1	0	1.2	0	0.318	1	2.816	0	8.852	-1	2042	37	2.0
14281.2	10000	38.8951	94.8224	-542	PLP	3.2	1	9.7	0	1.2	0	0.322	1	2.728	0	8.471	-1	2047	46	2.0
14281.1	10000	38.8951	94.8216	-540	PLP	3.3	1	9.7	0	1.2	0	0.335	1	2.714	0	8.090	-1	2034	52	2.0
14281.0	10000	38.8951	94.8208	-538	PLP	3.2	0	9.5	0	1.2	0	0.324	1	2.597	0	8.003	-1	2029	39	2.0
14280.9	10000	38.8951	94.8201	-536	PLP	3.0	0	9.3	0	1.2	0	0.320	1	2.508	-1	7.848	-1	2007	44	2.0
14280.8	10000	38.8950	94.8193	-535	PLP	3.1	0	8.8	0	1.2	0	0.337	1	2.685	0	7.978	-1	1991	46	2.0
14280.7	10000	38.8950	94.8185	-534	PLP	3.0	0	8.6	0	1.1	0	0.346	1	2.710	0	7.827	-1	1985	52	2.0
14280.6	10000	38.8950	94.8178	-532	PLP	3.2	0	8.8	0	1.1	0	0.362	1	2.789	0	7.698	-1	1978	58	2.0
14280.5	10000	38.8950	94.8170	-530	PLP	3.2	0	8.4	0	1.1	0	0.334	1	2.528	-1	7.574	-1	1953	45	2.0
14280.4	10000	38.8950	94.8162	-530	PLP	3.2	0	8.6	0	1.1	0	0.338	1	2.664	0	7.871	0	1948	54	2.0
14280.3	10000	38.8950	94.8155	-529	CULTRL	3.9	-1	7.8	-1	1.1	0	0.331	1	2.640	0	7.976	0	1942	38	2.0
14280.2	10000	38.8950	94.8147	-525	CULTRL	3.9	-1	8.8	-1	1.0	0	0.328	1	2.757	0	8.409	0	1932	35	2.0
14280.1	10000	38.8950	94.8139	-523	CULTRL	3.0	-1	8.8	-1	1.1	0	0.343	1	2.770	0	8.067	0	1927	52	2.0

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14280.0	10000	38.8950	94.8132	-522	CULTRL	3.1	999	8.4	999	1.1	999	0.364	999	2.767	999	7.597	999	1893	47	2.0
14279.9	10000	38.8950	94.8124	-522	CULTRL	3.0	999	8.2	999	1.1	999	0.365	999	2.640	999	7.243	999	1860	63	2.0
14279.8	10000	38.8950	94.8116	-517	CULTRL	3.1	999	8.1	999	1.1	999	0.387	999	2.815	999	7.275	999	1829	50	2.0
14279.7	10000	38.8950	94.8109	-509	CULTRL	3.0	999	7.7	999	1.1	999	0.385	999	2.721	999	7.069	999	1789	50	2.0
14279.6	10000	38.8950	94.8101	-511	CULTRL	2.9	999	7.1	999	1.0	999	0.402	999	2.738	999	6.807	999	1736	37	2.0
14279.5	10000	38.8950	94.8093	-515	CULTRL	3.1	999	6.8	999	1.0	999	0.452	999	2.960	999	6.553	999	1706	62	2.0
14279.4	10000	38.8950	94.8086	-515	CULTRL	3.1	999	6.4	999	1.0	999	0.485	999	3.179	999	6.549	999	1677	53	2.0
14279.3	10000	38.8950	94.8078	-514	CULTRL	3.2	999	6.7	999	1.0	999	0.474	999	3.290	999	6.946	999	1681	45	2.0
14279.2	10000	38.8950	94.8070	-515	CULTRL	3.1	999	6.6	999	0.9	999	0.469	999	3.328	999	7.093	999	1676	45	2.0
14279.1	10000	38.8950	94.8063	-513	PLP	3.1	0	6.5	-3	0.9	-1	0.471	2	3.288	1	6.982	-1	1680	40	2.0
14279.0	10000	38.8950	94.8055	-510	PLP	3.0	0	6.8	-3	1.0	-1	0.446	2	3.032	0	6.803	-1	1691	53	2.0
14278.9	10000	38.8950	94.8047	-507	PLP	2.9	-1	6.6	-3	1.0	-1	0.431	2	2.831	0	6.563	-1	1714	46	2.0
14278.8	10000	38.8949	94.8040	-506	PLP	2.7	-1	7.2	-2	1.1	-1	0.377	1	2.555	0	6.782	-1	1748	41	2.1
14278.7	10000	38.8949	94.8032	-506	PLP	2.5	-2	7.4	-2	1.1	0	0.338	0	2.268	-1	6.709	-1	1785	34	2.1
14278.6	10000	38.8949	94.8024	-507	PLP	2.3	-2	7.6	-2	1.1	0	0.303	-1	2.070	-1	6.841	-1	1828	43	2.1
14278.5	10000	38.8949	94.8017	-505	PLP	2.4	-2	8.0	-2	1.1	0	0.302	-1	2.152	-1	7.136	-1	1868	45	2.1
14278.4	10000	38.8949	94.8009	-505	PLP	2.5	-1	8.3	-1	1.2	0	0.307	-1	2.207	-1	7.200	-1	1913	66	2.1
14278.3	10000	38.8949	94.8001	-505	PLP	2.4	-2	8.7	-1	1.2	0	0.280	-1	2.064	-1	7.367	-1	1964	45	2.1
14278.2	10000	38.8949	94.7993	-503	PLP	2.7	-1	9.1	0	1.2	0	0.300	-1	2.280	-1	7.589	-1	2007	41	2.1
14278.1	10000	38.8949	94.7986	-503	PLP	2.6	-1	8.9	-1	1.2	0	0.294	-1	2.129	-1	7.241	-1	2028	40	2.1
14278.0	10000	38.8949	94.7978	-504	PLP	2.9	-1	8.7	-1	1.2	0	0.327	0	2.344	-1	7.170	-1	2047	36	2.1
14277.9	10000	38.8949	94.7970	-503	PLP	3.2	0	8.7	-1	1.2	0	0.365	1	2.640	0	7.225	-1	2057	48	2.1
14277.8	10000	38.8949	94.7963	-502	PD	3.2	0	8.6	-1	1.2	0	0.373	1	2.709	0	7.257	-1	2054	40	2.1
14277.7	10000	38.8949	94.7955	-501	PD	3.1	0	8.7	-1	1.2	1	0.353	0	2.582	-1	7.322	-1	2046	67	2.1
14277.6	10000	38.8949	94.7947	-500	PD	3.1	0	8.3	-1	1.2	0	0.374	1	2.669	0	7.140	-1	2011	39	2.1
14277.5	10000	38.8949	94.7940	-498	PD	3.1	0	8.2	-1	1.1	0	0.373	1	2.677	0	7.186	-1	1980	47	2.1
14277.4	10000	38.8949	94.7932	-496	PD	3.3	0	8.2	-1	1.1	1	0.408	1	2.972	0	7.284	-1	1966	65	2.1
14277.3	10000	38.8949	94.7924	-495	PD	3.4	0	8.3	-1	1.1	1	0.409	1	3.116	0	7.620	-1	1935	38	2.1
14277.2	10000	38.8949	94.7917	-495	PD	3.4	0	8.1	-1	1.0	1	0.415	1	3.201	0	7.713	-1	1881	39	2.1
14277.1	10000	38.8949	94.7909	-492	PD	3.5	0	8.3	-1	1.1	1	0.425	1	3.289	0	7.742	-1	1879	54	2.1
14277.0	10000	38.8949	94.7901	-487	PD	3.5	0	8.1	-1	1.1	1	0.430	1	3.292	0	7.655	-1	1877	40	2.1
14276.9	10000	38.8949	94.7894	-482	PD	3.7	1	8.4	-1	1.1	1	0.438	1	3.429	0	7.823	-1	1924	43	2.1
14276.8	10000	38.8948	94.7886	-484	PD	3.7	1	8.6	-1	1.1	1	0.424	1	3.249	0	7.657	-1	1965	47	2.1
14276.7	10000	38.8948	94.7878	-489	PD	3.5	1	9.1	-1	1.1	1	0.385	1	3.093	0	8.038	-1	1990	35	2.1
14276.6	10000	38.8948	94.7870	-491	PD	3.6	1	9.5	-1	1.2	1	0.377	1	3.083	0	8.182	-1	2020	41	2.1
14276.5	10000	38.8948	94.7863	-493	PD	3.5	1	9.7	-1	1.2	1	0.358	1	2.934	0	8.196	-1	2055	46	2.1
14276.4	10000	38.8948	94.7855	-493	PD	3.2	1	9.3	0	1.2	1	0.341	1	2.711	0	7.945	-1	2047	45	2.1
14276.3	10000	38.8948	94.7847	-493	PD	3.2	1	9.3	0	1.2	1	0.339	1	2.692	0	7.941	-1	2026	40	2.1
14276.2	10000	38.8948	94.7840	-494	PD	3.1	1	9.8	0	1.2	1	0.353	1	2.677	0	7.587	-1	1971	50	2.0
14276.1	10000	38.8948	94.7832	-491	PD	3.1	1	8.6	-1	1.1	1	0.361	1	2.822	0	7.827	-1	1935	46	2.0
14276.0	10000	38.8948	94.7824	-482	PD	3.1	1	8.7	-1	1.1	1	0.353	1	2.834	0	8.018	-1	1933	49	2.0
14275.9	10000	38.8948	94.7817	-468	PD	3.0	1	8.8	-1	1.1	1	0.342	1	2.666	0	7.791	-1	1958	62	2.0
14275.8	10000	38.8948	94.7810	-470	PD	3.2	1	8.6	-1	1.1	1	0.368	1	2.790	0	7.572	-1	1986	43	2.0
14275.7	10000	38.8948	94.7803	-484	PD	3.4	1	9.3	-1	1.2	1	0.368	1	2.958	0	8.033	-1	2024	47	2.0
14275.6	10000	38.8948	94.7796	-489	PD	3.6	1	9.4	0	1.2	1	0.381	1	2.968	0	7.785	-1	2081	36	2.0
14275.5	10000	38.8948	94.7789	-489	PD	3.7	1	10.2	0	1.2	1	0.365	1	3.122	0	8.544	0	2147	45	2.0
14275.4	10000	38.8948	94.7782	-487	PD	3.9	1	10.3	1	1.3	1	0.378	1	3.049	0	8.069	-1	2199	70	2.0
14275.3	10000	38.8948	94.7775	-487	PD	4.1	1	10.1	1	1.3	1	0.408	1	3.168	0	7.771	-1	2223	43	2.0
14275.2	10000	38.8948	94.7768	-487	PD	4.0	1	9.8	1	1.3	1	0.407	1	3.098	0	7.617	-1	2216	51	2.0
14275.1	10000	38.8948	94.7761	-487	PLP	3.6	1	10.0	0	1.3	1	0.360	1	2.710	0	7.534	-1	2225	43	2.0
14275.0	10000	38.8947	94.7754	-487	PLP	3.6	1	10.0	0	1.3	1	0.356	1	2.615	0	7.343	-1	2228	44	2.0
14274.9	10000	38.8948	94.7747	-487	PLP	3.6	1	10.3	1	1.4	1	0.349	0	2.660	0	7.619	-1	2202	41	2.0

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14274.8	10000	38.8947	94.7740	-488	PLP	3.3	0	9.7	0	1.4	1	0.342	0	2.413	-1	7.058	-1	2146	49	2.0
14274.7	10000	38.8947	94.7733	-487	PLP	3.1	0	9.4	0	1.3	1	0.334	0	2.399	-1	7.190	-1	2102	45	2.0
14274.6	10000	38.8947	94.7725	-483	PLP	3.1	0	9.3	0	1.3	1	0.332	0	2.319	-1	6.976	-1	2049	40	2.0
14274.5	10000	38.8947	94.7718	-482	PLP	3.1	0	9.0	-1	1.3	1	0.340	0	2.285	-1	6.722	-1	2010	43	2.0
14274.4	10000	38.8947	94.7711	-483	PLP	3.3	0	8.8	-1	1.3	1	0.369	1	2.510	-1	6.811	-1	1964	36	2.0
14274.3	10000	38.8947	94.7704	-484	PLP	3.1	0	8.4	-1	1.3	1	0.367	1	2.408	-1	6.553	-1	1924	49	2.0
14274.2	10000	38.8947	94.7697	-484	PLP	3.2	0	8.0	-2	1.2	0	0.393	1	2.597	0	6.605	-1	1900	42	2.0
14274.1	10000	38.8947	94.7690	-485	PLP	3.4	0	8.3	-1	1.2	0	0.409	1	2.850	0	6.973	-1	1920	48	2.0
14274.0	10000	38.8947	94.7683	-486	PLP	3.6	1	8.6	-1	1.2	1	0.419	1	2.905	0	6.929	-1	1940	53	2.0
14273.9	10000	38.8947	94.7676	-486	PLP	3.8	1	8.9	-1	1.2	0	0.428	2	3.118	0	7.278	-1	1972	52	2.0
14273.8	10000	38.8947	94.7669	-485	PLP	3.8	1	8.9	-1	1.2	0	0.425	2	3.231	1	7.605	-1	1997	40	2.0
14273.7	10000	38.8947	94.7662	-485	PLP	3.8	1	9.1	0	1.2	0	0.421	2	3.193	1	7.586	-1	2043	51	2.0
14273.6	10000	38.8947	94.7655	-488	PLP	4.0	2	9.1	0	1.2	0	0.436	2	3.248	1	7.454	-1	2082	52	2.0
14273.5	10000	38.8947	94.7648	-489	PLP	3.9	2	9.1	-1	1.3	1	0.431	2	2.997	0	6.958	-1	2127	43	2.0
14273.4	10000	38.8946	94.7641	-490	PKC	3.7	1	9.3	0	1.3	1	0.405	1	2.823	0	6.979	-1	2133	47	2.0
14273.3	10000	38.8946	94.7634	-491	PKC	3.5	1	9.2	0	1.3	1	0.384	0	2.693	0	7.013	-1	2149	47	2.0
14273.2	10000	38.8946	94.7626	-493	PKC	3.1	0	9.3	0	1.3	1	0.332	0	2.283	-1	6.880	-1	2143	42	2.0
14273.1	10000	38.8946	94.7619	-493	PKC	3.1	0	9.7	0	1.4	1	0.319	-1	2.259	-1	7.082	-1	2145	53	2.0
14273.0	10000	38.8946	94.7612	-492	PKC	3.0	-1	9.5	0	1.4	1	0.312	-1	2.150	-1	6.891	-1	2113	35	2.0
14272.9	10000	38.8946	94.7605	-493	PKC	2.9	-1	9.3	0	1.4	1	0.316	-1	2.124	-1	6.724	-1	2110	42	2.0
14272.8	10000	38.8946	94.7598	-494	PKC	2.9	-1	9.4	0	1.4	1	0.311	-1	2.144	-1	6.887	-1	2101	46	2.0
14272.7	10000	38.8946	94.7591	-495	PKC	3.0	-1	9.2	0	1.4	1	0.322	0	2.142	-1	6.645	-1	2121	45	2.0
14272.6	10000	38.8946	94.7584	-494	PKC	2.8	-1	9.2	0	1.4	1	0.302	-1	2.014	-1	6.679	-1	2121	41	2.0
14272.5	10000	38.8946	94.7577	-494	PKC	3.0	0	8.9	0	1.4	2	0.340	0	2.117	-1	6.228	-2	2154	51	2.0
14272.4	10000	38.8946	94.7570	-495	PKC	3.2	0	9.1	0	1.4	2	0.352	0	2.201	-1	6.260	-2	2192	47	2.0
14272.3	10000	38.8946	94.7563	-496	PLP	3.3	0	9.4	0	1.4	2	0.354	0	2.299	-1	6.490	-2	2237	42	2.0
14272.2	10000	38.8946	94.7556	-496	PLP	3.3	0	9.9	0	1.4	2	0.329	0	2.259	-1	6.874	-1	2262	45	2.0
14272.1	10000	38.8946	94.7549	-495	PLP	3.1	0	10.1	0	1.4	2	0.303	0	2.042	-1	6.750	-1	2295	44	2.0
14272.0	10000	38.8946	94.7542	-496	PLP	3.3	0	10.3	0	1.5	2	0.299	0	2.037	-1	6.823	-1	2306	34	2.0
14271.9	10000	38.8946	94.7535	-497	PLP	3.3	0	10.7	0	1.5	2	0.306	0	2.134	-1	6.967	-1	2319	45	2.0
14271.8	10000	38.8945	94.7528	-496	PLP	3.2	0	10.3	0	1.5	2	0.283	0	2.119	-1	7.492	-1	2320	46	2.0
14271.7	10000	38.8945	94.7520	-496	PLP	3.2	0	10.3	0	1.5	2	0.296	0	2.115	-1	7.138	-1	2309	38	2.0
14271.6	10000	38.8945	94.7513	-498	PLP	3.4	0	10.8	0	1.6	2	0.315	0	2.154	-1	6.842	-1	2302	51	2.0
14271.5	10000	38.8945	94.7506	-498	PLP	3.4	0	10.5	0	1.5	2	0.327	0	2.218	-1	6.778	-1	2292	49	2.0
14271.4	10000	38.8945	94.7499	-497	PLP	3.6	0	10.6	0	1.5	2	0.337	0	2.441	-1	7.252	-1	2280	54	2.0
14271.3	10000	38.8945	94.7492	-497	PLP	3.7	0	10.3	0	1.5	2	0.361	0	2.494	-1	6.913	-1	2291	63	2.0
14271.2	10000	38.8945	94.7485	-497	PLP	3.7	0	9.8	0	1.5	2	0.373	0	2.479	-1	6.646	-1	2297	61	2.0
14271.1	10000	38.8945	94.7478	-498	PLP	3.9	0	9.6	0	1.4	2	0.400	0	2.653	-1	6.627	-1	2295	46	2.0
14271.0	10000	38.8945	94.7471	-497	PLP	3.7	0	9.8	0	1.4	2	0.379	0	2.596	-1	6.843	-1	2309	47	2.0
14270.9	10000	38.8945	94.7464	-498	PLP	3.7	0	9.8	0	1.4	2	0.349	0	2.476	-1	7.090	-1	2305	45	2.0
14270.8	10000	38.8945	94.7457	-499	PLP	3.5	0	9.8	0	1.4	2	0.345	0	2.524	-1	7.311	-1	2306	48	2.0
14270.7	10000	38.8945	94.7450	-499	PLP	3.5	0	9.8	0	1.4	2	0.341	0	2.315	-1	6.795	-1	2311	44	2.0
14270.6	10000	38.8945	94.7443	-498	PLP	3.5	0	9.8	0	1.4	2	0.328	0	2.457	-1	7.485	-1	2307	42	2.0
14270.5	10000	38.8945	94.7436	-498	PLP	3.4	0	9.8	0	1.4	2	0.338	0	2.519	-1	7.602	-1	2307	59	2.0
14270.4	10000	38.8945	94.7429	-498	PLP	3.5	0	9.8	0	1.4	2	0.351	0	2.482	-1	7.351	-1	2300	38	2.0
14270.3	10000	38.8945	94.7422	-499	PLP	3.5	0	9.7	0	1.4	2	0.386	0	2.645	-1	7.528	-1	2277	48	2.0
14270.2	10000	38.8944	94.7415	-496	PLP	3.7	0	9.6	0	1.4	2	0.387	0	2.825	-1	7.321	-1	2273	52	2.0
14270.1	10000	38.8944	94.7407	-494	PLP	3.9	0	9.9	0	1.4	2	0.393	0	2.845	-1	7.346	-1	2286	49	2.0
14270.0	10000	38.8944	94.7400	-494	PLP	3.9	0	10.0	0	1.4	2	0.387	0	2.987	-1	7.609	-1	2292	31	2.0
14269.9	10000	38.8944	94.7393	-494	PLP	3.8	0	9.9	0	1.4	2	0.380	0	2.746	-1	7.230	-1	2285	55	2.0
14269.8	10000	38.8944	94.7386	-494	PLP	3.6	0	9.9	0	1.4	2	0.365	0	2.595	-1	7.109	-1	2256	40	2.0
14269.7	10000	38.8944	94.7379	-494	PLP	3.5	0	10.2	0	1.4	2	0.341	0	2.422	-1	7.095	-1	2254	43	2.1

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14269.6	10000	38.8944	94.7372	-494	PLP	3.2	0	9.9	0	1.5	2	0.322	0	2.193	-1	6.804	-1	2252	47	2.1
14269.5	10000	38.8944	94.7365	-494	PLP	3.0	0	10.0	0	1.4	2	0.300	-1	2.063	-1	6.889	-1	2255	36	2.1
14269.4	10000	38.8944	94.7358	-493	PLP	3.0	0	10.2	1	1.5	2	0.298	-1	2.088	-1	7.001	-1	2253	38	2.1
14269.3	10000	38.8944	94.7351	-493	PLP	2.7	-1	10.1	0	1.4	2	0.267	-1	1.885	-2	7.063	-1	2235	48	2.1
14269.2	10000	38.8944	94.7344	-493	PLP	2.6	-1	10.1	0	1.4	2	0.255	-1	1.808	-2	7.088	-1	2223	44	2.1
14269.1	10000	38.8944	94.7337	-493	PLP	2.6	-1	10.4	1	1.4	1	0.250	-2	1.874	-2	7.497	-1	2244	54	2.1
14269.0	10000	38.8944	94.7330	-492	PLP	2.4	-2	10.2	1	1.4	1	0.231	-2	1.712	-2	7.407	-1	2251	42	2.1
14268.9	10000	38.8944	94.7323	-492	PLP	2.5	-2	10.7	1	1.4	2	0.232	-2	1.749	-2	7.549	-1	2275	53	2.1
14268.8	10000	38.8943	94.7316	-492	PLP	2.6	-1	10.9	1	1.5	2	0.236	-2	1.769	-2	7.497	-1	2285	52	2.1
14268.7	10000	38.8943	94.7309	-491	PLP	2.3	-2	10.7	1	1.5	2	0.216	-2	1.512	-2	6.986	-1	2287	37	2.1
14268.6	10000	38.8943	94.7301	-491	PLP	2.5	-1	10.6	1	1.6	2	0.238	-2	1.591	-2	6.695	-1	2311	43	2.2
14268.5	10000	38.8943	94.7294	-490	PLP	2.6	-1	10.5	1	1.6	2	0.249	-2	1.671	-2	6.711	-1	2334	49	2.2
14268.4	10000	38.8943	94.7287	-490	PLP	2.6	-1	10.1	0	1.6	2	0.262	-1	1.675	-2	6.388	-2	2325	46	2.2
14268.3	10000	38.8943	94.7280	-489	PLP	3.1	0	10.3	1	1.5	2	0.297	-1	1.979	-1	6.667	-1	2318	49	2.2
14268.2	10000	38.8943	94.7273	-488	PLP	3.1	0	10.2	1	1.5	2	0.304	-1	2.045	-1	6.729	-1	2295	38	2.2
14268.1	10000	38.8943	94.7266	-488	PLP	3.0	0	10.0	0	1.5	2	0.301	-1	2.027	-1	6.732	-1	2296	51	2.2
14268.0	10000	38.8943	94.7259	-488	PLP	2.9	-1	9.6	0	1.4	2	0.302	-1	2.045	-1	6.767	-1	2283	55	2.2
14267.9	10000	38.8943	94.7252	-486	PLP	2.9	-1	9.5	0	1.4	1	0.307	-1	2.103	-1	6.843	-1	2262	58	2.2
14267.8	10000	38.8943	94.7245	-485	PLP	2.9	-1	9.6	0	1.4	1	0.305	-1	2.084	-1	6.840	-1	2245	38	2.2
14267.7	10000	38.8943	94.7238	-485	PLP	2.7	-1	10.0	0	1.4	1	0.272	-1	1.935	-1	7.112	-1	2237	38	2.2
14267.6	10000	38.8943	94.7231	-485	PLP	2.8	-1	9.7	0	1.4	1	0.290	-1	2.010	-1	6.933	-1	2231	45	2.2
14267.5	10000	38.8943	94.7224	-484	PLP	2.8	-1	9.7	0	1.4	2	0.289	-1	1.955	-1	6.772	-1	2239	38	2.2
14267.4	10000	38.8943	94.7217	-483	PLP	2.7	-1	9.7	0	1.4	2	0.276	-1	1.868	-2	6.766	-1	2221	46	2.2
14267.3	10000	38.8942	94.7209	-483	PLP	2.9	-1	9.9	0	1.4	2	0.297	-1	2.071	-1	6.973	-1	2223	37	2.2
14267.2	10000	38.8942	94.7202	-483	PLP	3.1	0	10.0	0	1.5	2	0.314	-1	2.117	-1	6.748	-1	2250	52	2.2
14267.1	10000	38.8942	94.7195	-481	PLP	3.3	0	10.1	0	1.5	2	0.324	-1	2.155	-1	6.650	-1	2274	56	2.2
14267.0	10000	38.8942	94.7188	-480	PLP	3.3	0	10.0	0	1.5	2	0.331	-1	2.171	-1	6.556	-1	2305	36	2.2
14266.9	10000	38.8942	94.7181	-481	PLP	3.3	0	10.0	0	1.5	2	0.329	-1	2.129	-1	6.464	-2	2316	45	2.2
14266.8	10000	38.8942	94.7174	-479	PLP	3.4	0	9.9	0	1.5	2	0.345	-1	2.217	-1	6.418	-2	2336	53	2.2
14266.7	10000	38.8942	94.7167	-478	PLP	3.7	1	9.6	1	1.6	2	0.386	-1	2.398	-1	6.213	-2	2347	38	2.2
14266.6	10000	38.8942	94.7160	-478	PLP	3.7	1	9.7	1	1.6	2	0.377	-1	2.330	-1	6.176	-2	2335	45	2.2
14266.5	10000	38.8942	94.7153	-477	PLP	3.6	1	9.7	1	1.5	2	0.368	-1	2.380	-1	6.474	-2	2293	46	2.2
14266.4	10000	38.8942	94.7146	-475	PLP	3.5	1	9.3	1	1.5	2	0.381	-1	2.410	-1	6.329	-2	2264	33	2.2
14266.3	10000	38.8942	94.7139	-473	PLP	3.6	1	9.2	1	1.4	2	0.390	-1	2.538	0	6.513	-2	2230	37	2.2
14266.2	10000	38.8942	94.7132	-473	PLP	3.4	1	9.4	1	1.4	2	0.364	-1	2.471	-1	6.794	-1	2204	41	2.2
14266.1	10000	38.8942	94.7125	-469	PLP	3.3	1	9.5	1	1.4	2	0.353	-1	2.436	-1	6.904	-1	2178	44	2.2
14266.0	10000	38.8942	94.7118	-461	PLP	3.3	1	10.2	1	1.4	2	0.320	-1	2.380	-1	7.430	-1	2177	42	2.2
14265.9	10000	38.8942	94.7111	-460	PLP	3.3	1	10.4	1	1.4	2	0.291	-1	2.224	-1	7.633	-1	2185	52	2.2
14265.8	10000	38.8941	94.7104	-466	PLP	3.3	1	10.5	1	1.4	2	0.317	-1	2.433	-1	7.678	-1	2196	53	2.2
14265.7	10000	38.8941	94.7096	-471	PLP	3.3	1	11.4	1	1.4	2	0.290	-1	2.416	-1	8.332	0	2211	53	2.2
14265.6	10000	38.8941	94.7089	-472	PLP	3.4	1	11.9	1	1.4	2	0.304	-1	2.413	-1	7.925	-1	2234	46	2.2
14265.5	10000	38.8941	94.7082	-473	PLP	3.4	1	11.0	1	1.4	2	0.314	-1	2.364	-1	7.530	-1	2260	51	2.2
14265.4	10000	38.8941	94.7075	-472	PLP	3.4	1	11.0	1	1.4	2	0.309	-1	2.344	-1	7.574	-1	2261	43	2.2
14265.3	10000	38.8941	94.7068	-472	PLP	3.5	1	10.3	1	1.5	2	0.323	-1	2.282	-1	7.058	-1	2243	44	2.2
14265.2	10000	38.8941	94.7061	-471	PLP	3.5	1	10.0	1	1.5	2	0.344	-1	2.356	-1	6.852	-1	2243	47	2.2
14265.1	10000	38.8941	94.7054	-470	PLP	3.5	1	10.0	1	1.5	2	0.309	-1	2.085	-1	6.756	-2	2237	40	2.2
14265.0	10000	38.8941	94.7047	-470	PLP	3.5	1	9.4	1	1.5	2	0.318	-1	2.052	-1	6.390	-2	2232	42	2.2
14264.9	10000	38.8941	94.7040	-469	PLP	3.5	1	10.0	1	1.5	2	0.305	-1	1.992	-1	6.733	-1	2213	52	2.2
14264.8	10000	38.8941	94.7033	-468	PLP	3.5	1	10.2	1	1.5	2	0.297	-1	1.797	-2	6.715	-1	2220	45	2.2
14264.7	10000	38.8941	94.7026	-469	PLP	3.6	1	10.2	1	1.5	2	0.258	-1	1.969	-1	6.954	-1	2213	56	2.2
14264.6	10000	38.8941	94.7019	-469	PLP	3.8	1	10.9	1	1.4	2	0.261	-1	1.996	-1	7.532	-1	2221	63	2.2
14264.5	10000	38.8941	94.7012	-468	PLP	2.8	-1	10.8	1	1.4	1	0.258	-1	1.996	-1	7.723	-1	2220	47	2.2

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14264.4	10000	38.8941	94.7005	-467	PLP	2.8	-1	11.1	1	1.4	1	0.253	-2	1.996	-1	7.898	0	2234	40	2.1
14264.3	10000	38.8941	94.6998	-467	PLP	2.8	-1	11.1	1	1.4	2	0.255	-1	1.983	-1	7.776	-1	2222	51	2.1
14264.2	10000	38.8941	94.6991	-466	PLP	3.0	-1	10.5	1	1.4	1	0.280	-1	2.113	-1	7.533	-1	2241	43	2.1
14264.1	10000	38.8940	94.6983	-465	PLP	3.1	0	10.6	1	1.4	1	0.288	-1	2.246	-1	7.790	-1	2247	51	2.1
14264.0	10000	38.8940	94.6976	-465	PLP	3.6	1	10.3	1	1.3	1	0.348	0	2.689	0	7.729	-1	2257	39	2.1
14263.9	10000	38.8940	94.6969	-465	PLP	3.4	0	10.0	0	1.3	1	0.335	0	2.526	-1	7.529	-1	2251	58	2.1
14263.8	10000	38.8940	94.6962	-463	PLP	3.3	0	9.7	0	1.3	1	0.342	0	2.479	-1	7.253	-1	2237	45	2.1
14263.7	10000	38.8940	94.6955	-462	PLP	3.3	0	9.8	0	1.4	1	0.331	0	2.383	-1	7.196	-1	2237	40	2.1
14263.6	10000	38.8940	94.6948	-463	PKC	3.5	0	9.5	0	1.3	1	0.365	0	2.641	0	7.229	-1	2243	52	2.1
14263.5	10000	38.8940	94.6941	-461	PKC	3.4	0	9.9	0	1.3	1	0.346	0	2.559	-1	7.399	-1	2228	40	2.1
14263.4	10000	38.8940	94.6934	-459	PKC	3.4	0	10.4	1	1.4	1	0.328	0	2.514	-1	7.668	-1	2216	31	2.1
14263.3	10000	38.8940	94.6927	-459	PKC	3.0	-1	10.5	1	1.4	1	0.282	-1	2.146	-1	7.604	-1	2212	36	2.1
14263.2	10000	38.8940	94.6920	-459	PKC	3.1	0	10.7	1	1.4	1	0.294	-1	2.257	-1	7.677	-1	2215	48	2.1
14263.1	10000	38.8940	94.6913	-457	PKC	3.2	0	11.0	1	1.4	2	0.288	-1	2.243	-1	7.786	0	2211	46	2.1
14263.0	10000	38.8940	94.6906	-456	PKC	3.2	0	10.4	1	1.4	1	0.304	-1	2.340	-1	7.691	-1	2198	53	2.1
14262.9	10000	38.8940	94.6899	-457	PKC	3.0	-1	10.8	1	1.4	2	0.273	-1	2.099	-1	7.700	-1	2201	43	2.1
14262.8	10000	38.8940	94.6891	-454	PKC	3.0	0	10.3	1	1.4	1	0.294	-1	2.186	-1	7.434	-1	2190	52	2.1
14262.7	10000	38.8940	94.6884	-452	PKC	3.2	0	9.9	0	1.3	1	0.324	0	2.403	-1	7.427	-1	2161	45	2.0
14262.6	10000	38.8939	94.6877	-452	PKC	3.4	0	9.6	0	1.3	1	0.357	0	2.532	-1	7.100	-1	2168	45	2.0
14262.5	10000	38.8939	94.6870	-452	PKC	3.2	0	9.4	0	1.4	1	0.343	0	2.359	-1	6.874	-1	2171	51	2.0
14262.4	10000	38.8939	94.6863	-449	PKC	3.2	0	9.1	0	1.4	1	0.351	0	2.284	-1	6.509	-1	2197	51	2.0
14262.3	10000	38.8939	94.6856	-449	PKC	3.4	0	9.1	0	1.4	2	0.372	0	2.397	-1	6.440	-1	2196	44	2.0
14262.2	10000	38.8939	94.6849	-450	PKC	3.5	0	9.1	0	1.4	1	0.386	0	2.525	-1	6.533	-1	2191	44	2.0
14262.1	10000	38.8939	94.6842	-448	PKC	3.4	0	9.7	0	1.4	1	0.351	0	2.446	-1	6.967	-1	2205	39	2.0
14262.0	10000	38.8939	94.6835	-446	PKC	3.1	0	9.9	0	1.5	2	0.309	-1	2.097	-1	6.790	-1	2217	51	2.0
14261.9	10000	38.8939	94.6828	-446	PKC	3.2	0	10.1	1	1.4	2	0.321	0	2.245	-1	6.993	-1	2225	47	2.0
14261.8	10000	38.8939	94.6821	-445	PKC	3.3	0	10.0	1	1.4	2	0.331	0	2.295	-1	6.933	-1	2226	37	2.0
14261.7	10000	38.8939	94.6814	-443	PKC	3.4	0	10.5	1	1.4	2	0.319	-1	2.385	-1	7.475	-1	2217	43	2.0
14261.6	10000	38.8939	94.6807	-441	PKC	3.2	0	10.6	1	1.4	2	0.304	-1	2.247	-1	7.389	-1	2213	63	2.0
14261.5	10000	38.8939	94.6800	-440	PKC	3.1	0	10.3	1	1.4	2	0.304	-1	2.217	-1	7.299	-1	2191	48	2.0
14261.4	10000	38.8939	94.6793	-440	PKC	3.1	0	9.8	1	1.4	2	0.316	-1	2.192	-1	6.940	-1	2160	41	2.0
14261.3	10000	38.8938	94.6786	-438	PKC	3.3	0	9.5	1	1.4	2	0.346	-1	2.385	-1	6.890	-1	2156	43	2.0
14261.2	10000	38.8939	94.6778	-437	PKC	3.1	0	9.8	1	1.3	2	0.319	-1	2.325	-1	7.282	-1	2135	44	2.0
14261.1	10000	38.8939	94.6770	-438	PKC	3.0	-1	9.4	1	1.3	2	0.318	-1	2.252	-1	7.083	-1	2111	51	1.9
14261.0	10000	38.8939	94.6762	-438	PKC	3.0	-1	9.9	1	1.3	2	0.340	-1	2.365	-1	6.958	-1	2093	52	1.9
14260.9	10000	38.8939	94.6755	-436	PKC	3.0	-1	8.8	1	1.3	2	0.341	-1	2.521	-1	7.400	-1	2055	43	1.9
14260.8	10000	38.8939	94.6747	-436	PKC	2.9	-1	8.7	1	1.2	2	0.330	-1	2.470	-1	7.477	-1	2035	42	1.9
14260.7	10000	38.8939	94.6739	-435	PKC	2.7	-1	8.9	1	1.2	2	0.305	-1	2.288	-1	7.504	-1	2054	54	1.9
14260.6	10000	38.8939	94.6732	-434	PKC	2.8	-1	9.1	1	1.2	2	0.307	-1	2.443	-1	7.966	0	2048	56	1.9
14260.5	10000	38.8939	94.6724	-434	PKC	2.9	-1	8.6	1	1.2	2	0.332	-1	2.420	-1	7.280	-1	2047	49	1.9
14260.4	10000	38.8939	94.6716	-434	PKC	2.9	-1	8.8	1	1.2	2	0.328	-1	2.519	-1	7.669	-1	2059	42	1.9
14260.3	10000	38.8939	94.6709	-432	PKC	3.1	0	8.9	1	1.2	2	0.344	-1	2.584	-1	7.519	-1	2079	40	1.9
14260.2	10000	38.8939	94.6701	-431	PKC	3.3	0	9.0	1	1.2	2	0.368	-1	2.615	-1	7.102	-1	2121	51	1.9
14260.1	10000	38.8940	94.6693	-431	PKC	3.4	0	8.8	1	1.2	2	0.379	-1	2.648	-1	6.991	-1	2162	39	1.9
14260.0	10000	38.8940	94.6685	-431	PKC	4.1	0	8.9	1	1.3	2	0.459	-1	3.171	0	6.901	-1	2181	48	1.9
14259.9	10000	38.8940	94.6678	-430	PKC	3.8	0	8.5	1	1.3	2	0.443	-1	2.795	0	6.314	-2	2193	49	1.9
14259.8	10000	38.8940	94.6670	-429	PKC	3.8	0	8.8	1	1.3	2	0.432	-1	2.828	0	6.538	-1	2191	54	1.9
14259.7	10000	38.8940	94.6662	-429	PKC	4.1	0	8.8	1	1.3	2	0.469	-1	3.167	0	6.757	-1	2176	55	1.9
14259.6	10000	38.8940	94.6655	-429	PKC	4.0	0	8.8	1	1.3	2	0.452	-1	3.095	0	6.840	-1	2147	45	1.9
14259.5	10000	38.8940	94.6647	-427	PKC	4.1	0	8.8	1	1.3	2	0.458	-1	3.214	0	7.023	-1	2130	48	1.9
14259.4	10000	38.8940	94.6639	-423	PKC	4.1	1	8.8	1	1.3	2	0.490	-1	3.268	0	6.674	-1	2103	44	1.9
14259.3	10000	38.8940	94.6632	-421	PKC	3.7	1	8.6	-1	1.3	1	0.434	1	2.880	0	6.642	-1	2072	52	1.8

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14259.2	10000	38.8940	94.6624	-418	PKC	4.0	1	8.5	-1	1.2	1	0.473	1	3.230	0	6.828	-1	2051	44	1.8
14259.1	10000	38.8940	94.6616	-417	PKC	4.2	2	8.2	-1	1.2	0	0.504	2	3.473	1	6.889	-1	2041	50	1.8
14259.0	10000	38.8940	94.6609	-416	PKC	4.1	1	8.2	-1	1.2	1	0.499	2	3.323	1	6.665	-1	2054	52	1.8
14258.9	10000	38.8941	94.6601	-416	PKC	4.1	1	8.0	-1	1.2	1	0.511	2	3.294	0	6.441	-1	2061	38	1.8
14258.8	10000	38.8941	94.6593	-415	PKC	4.0	1	8.3	-1	1.3	1	0.482	2	3.133	0	6.500	-1	2080	45	1.8
14258.7	10000	38.8941	94.6586	-414	PKC	3.9	1	9.0	0	1.3	1	0.429	1	3.053	0	7.121	-1	2089	35	1.8
14258.6	10000	38.8941	94.6578	-413	PKC	4.0	1	9.1	0	1.2	1	0.438	1	3.243	0	7.407	-1	2079	57	1.8
14258.5	10000	38.8941	94.6570	-413	PKC	3.6	0	9.2	0	1.3	1	0.387	0	2.844	0	7.356	-1	2098	51	1.8
14258.4	10000	38.8941	94.6563	-411	PKC	3.3	0	9.1	0	1.3	1	0.364	0	2.475	-1	6.800	-1	2117	37	1.8
14258.3	10000	38.8941	94.6555	-409	PKC	3.1	0	9.4	0	1.4	1	0.328	0	2.281	-1	6.956	-1	2122	47	1.8
14258.2	10000	38.8941	94.6547	-408	PKC	3.1	0	9.9	0	1.3	1	0.315	-1	2.355	-1	7.465	-1	2141	47	1.8
14258.1	10000	38.8941	94.6539	-408	PKC	2.9	-1	9.9	0	1.3	1	0.293	-1	2.206	-1	7.518	-1	2143	54	1.8
14258.0	10000	38.8941	94.6532	-406	PKC	3.1	0	10.1	1	1.4	1	0.306	-1	2.255	-1	7.359	-1	2190	45	1.8
14257.9	10000	38.8941	94.6524	-405	PKC	3.2	0	9.8	0	1.4	2	0.324	0	2.246	-1	6.929	-1	2239	47	1.8
14257.8	10000	38.8941	94.6516	-404	PKC	3.3	0	10.0	1	1.5	2	0.328	0	2.269	-1	6.914	-1	2260	51	1.8
14257.7	10000	38.8942	94.6509	-403	PKC	3.4	0	10.3	1	1.4	2	0.327	0	2.354	-1	7.192	-1	2255	39	1.8
14257.6	10000	38.8942	94.6501	-401	PKC	3.3	0	10.2	1	1.5	2	0.329	0	2.282	-1	6.944	-1	2260	45	1.8
14257.5	10000	38.8942	94.6493	-400	PKC	3.2	0	9.9	0	1.5	2	0.321	0	2.120	-1	6.595	-1	2270	42	1.8
14257.4	10000	38.8942	94.6486	-400	PKC	3.2	0	9.9	0	1.5	2	0.326	0	2.093	-1	6.425	-2	2285	51	1.8
14257.3	10000	38.8942	94.6478	-399	PKC	3.0	0	9.4	0	1.5	2	0.322	0	1.958	-1	6.084	-2	2265	44	1.8
14257.2	10000	38.8942	94.6470	-397	PKC	2.9	-1	9.8	0	1.5	2	0.292	-1	1.898	-2	6.507	-1	2247	46	1.8
14257.1	10000	38.8942	94.6462	-395	PKC	2.9	-1	9.6	0	1.5	2	0.303	-1	1.984	-1	6.559	-1	2226	41	1.8
14257.0	10000	38.8942	94.6455	-396	PKC	2.8	-1	9.6	0	1.5	2	0.291	-1	1.859	-2	6.386	-2	2233	39	1.8
14256.9	10000	38.8942	94.6447	-394	PKC	2.9	-1	9.6	0	1.5	2	0.299	-1	1.937	-1	6.469	-1	2221	54	1.8
14256.8	10000	38.8942	94.6439	-393	PKC	2.9	-1	9.7	0	1.5	2	0.301	-1	1.969	-1	6.536	-1	2211	43	1.8
14256.7	10000	38.8942	94.6432	-392	PKC	2.9	-1	9.3	0	1.4	2	0.313	-1	2.058	-1	6.569	-1	2183	40	1.8
14256.6	10000	38.8942	94.6424	-391	PKC	3.1	0	9.6	0	1.3	1	0.323	0	2.313	-1	7.152	-1	2159	47	1.8
14256.5	10000	38.8943	94.6416	-390	PKC	3.0	0	9.3	0	1.3	1	0.325	0	2.298	-1	7.065	-1	2155	57	1.8
14256.4	10000	38.8943	94.6409	-388	PKC	3.2	0	9.9	0	1.3	1	0.324	0	2.456	-1	7.588	-1	2152	44	1.8
14256.3	10000	38.8943	94.6401	-388	PKC	3.2	0	9.8	0	1.3	1	0.330	0	2.583	-1	7.824	0	2146	37	1.8
14256.2	10000	38.8943	94.6393	-387	PKC	3.3	0	10.1	1	1.3	1	0.320	0	2.666	-1	8.329	0	2161	56	1.8
14256.1	10000	38.8943	94.6385	-385	PKC	3.5	0	10.3	1	1.3	1	0.348	0	2.818	-1	8.107	0	2155	49	1.8
14256.0	10000	38.8943	94.6378	-384	PKC	3.6	0	10.2	1	1.3	1	0.351	0	2.904	-1	8.284	0	2160	41	1.8
14255.9	10000	38.8943	94.6370	-383	PKC	3.7	0	10.1	1	1.3	1	0.366	0	2.876	-1	7.863	0	2172	54	1.8
14255.8	10000	38.8943	94.6362	-382	PKC	3.7	0	9.5	1	1.4	1	0.369	0	2.840	-1	7.693	-1	2180	54	1.8
14255.7	10000	38.8943	94.6355	-381	PKC	3.7	0	9.8	1	1.4	1	0.386	0	2.707	-1	7.017	-1	2194	47	1.8
14255.6	10000	38.8943	94.6347	-381	PKC	3.4	0	9.5	1	1.4	1	0.352	0	2.534	-1	7.201	-1	2201	45	1.8
14255.5	10000	38.8943	94.6339	-380	PKC	3.1	0	9.8	1	1.4	1	0.352	0	2.369	-1	6.724	-1	2175	41	1.8
14255.4	10000	38.8944	94.6332	-379	PKC	3.0	0	9.5	1	1.4	1	0.331	0	2.267	-1	6.855	-1	2155	45	1.8
14255.3	10000	38.8944	94.6324	-379	PKC	2.9	0	9.5	1	1.4	1	0.317	0	2.189	-1	6.901	-1	2150	66	1.8
14255.2	10000	38.8944	94.6316	-378	PKC	2.9	0	9.5	1	1.4	1	0.306	0	2.128	-1	6.954	-1	2151	45	1.8
14255.1	10000	38.8944	94.6309	-376	PKC	2.9	0	9.5	1	1.4	1	0.309	0	2.134	-1	6.914	-1	2137	42	1.8
14255.0	10000	38.8944	94.6301	-377	PKC	2.8	0	9.4	1	1.4	1	0.303	0	2.088	-1	6.887	-1	2122	37	1.8
14254.9	10000	38.8944	94.6293	-378	PKC	2.8	1	9.2	1	1.4	1	0.304	0	2.084	-1	6.847	-1	2123	51	1.8
14254.8	10000	38.8944	94.6286	-378	PKC	2.8	2	9.7	1	1.4	1	0.288	0	2.323	-1	7.175	-1	2148	54	1.8
14254.7	10000	38.8944	94.6278	-378	PKC	2.8	3	10.2	1	1.4	1	0.274	0	2.442	-1	7.494	-1	2160	52	1.8
14254.6	10000	38.8944	94.6270	-377	PKC	2.8	3	10.1	1	1.4	1	0.277	0	2.393	-1	7.694	-1	2139	59	1.8
14254.5	10000	38.8944	94.6263	-377	PKC	2.8	3	10.2	1	1.4	1	0.274	0	2.354	-1	7.977	0	2108	43	1.8
14254.4	10000	38.8944	94.6255	-375	PKC	2.8	3	10.0	1	1.4	1	0.280	0	2.544	-1	8.367	0	2081	48	1.8
14254.3	10000	38.8944	94.6247	-375	PKC	2.8	3	10.0	1	1.4	1	0.280	0	2.650	-1	8.547	0	2066	39	1.8
14254.2	10000	38.8944	94.6239	-376	PKC	2.8	3	10.2	1	1.4	1	0.274	0	2.675	-1	8.613	0	2030	46	1.8
14254.1	10000	38.8945	94.6232	-377	PKC	2.8	3	10.2	1	1.4	1	0.274	0	2.908	0	8.243	0	1976	40	1.8

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14254.0	10000	38.8945	94.6224	-377	PKC	3.2	0	8.4	-1	1.1	0	0.376	0	2.936	0	7.814	0	1926	51	1.8
14253.9	10000	38.8945	94.6216	-378	PKC	3.4	0	8.2	-1	1.1	0	0.415	1	3.054	0	7.351	-1	1908	39	1.8
14253.8	10000	38.8945	94.6209	-379	PKC	3.3	0	7.9	-1	1.1	0	0.415	1	2.981	0	7.182	-1	1892	44	1.8
14253.7	10000	38.8945	94.6201	-379	PKC	3.2	0	7.8	-1	1.2	0	0.413	1	2.815	0	6.811	-1	1898	61	1.9
14253.6	10000	38.8945	94.6193	-377	PKC	3.3	0	7.8	-1	1.1	0	0.422	1	2.955	0	6.998	-1	1873	49	1.9
14253.5	10000	38.8945	94.6185	-378	PKC	3.1	0	7.4	-2	1.1	0	0.426	1	2.859	0	6.714	-1	1852	33	1.9
14253.4	10000	38.8945	94.6178	-380	PKC	3.0	0	7.6	-1	1.1	0	0.397	0	2.824	0	7.106	-1	1845	41	1.9
14253.3	10000	38.8945	94.6170	-381	PKC	3.3	0	8.4	-1	1.1	0	0.389	0	3.039	0	7.806	0	1874	37	1.9
14253.2	10000	38.8945	94.6162	-380	PKC	3.3	0	8.2	-1	1.0	-1	0.405	1	3.183	0	7.858	0	1898	37	1.9
14253.1	10000	38.8945	94.6155	-383	PKC	3.6	0	8.1	-1	1.1	0	0.440	1	3.366	1	7.659	-1	1904	37	1.9
14253.0	10000	38.8945	94.6147	-386	PKC	3.3	0	8.0	-1	1.1	0	0.413	1	3.139	0	7.606	-1	1875	65	1.9
14252.9	10000	38.8946	94.6139	-388	PKC	3.1	0	8.0	-1	1.1	0	0.391	0	2.958	0	7.560	-1	1857	51	1.9
14252.8	10000	38.8946	94.6132	-387	PKC	3.2	0	8.2	-1	1.1	0	0.386	0	2.878	0	7.454	-1	1849	46	1.9
14252.7	10000	38.8946	94.6124	-387	PKC	3.0	-1	8.0	-1	1.1	0	0.370	0	2.674	0	7.221	-1	1853	49	1.9
14252.6	10000	38.8946	94.6116	-388	PKC	2.6	-1	7.3	-2	1.1	0	0.348	0	2.259	-1	6.490	-1	1829	51	1.9
14252.5	10000	38.8946	94.6109	-388	PKC	2.4	-2	7.4	-2	1.2	0	0.327	0	2.095	-1	6.407	-2	1812	43	1.9
14252.4	10000	38.8946	94.6101	-387	PKC	2.6	-1	7.5	-1	1.2	0	0.342	0	2.212	-1	6.464	-1	1815	48	1.9
14252.3	10000	38.8946	94.6093	-389	PKC	2.7	-1	7.5	-1	1.1	0	0.355	0	2.329	-1	6.553	-1	1830	45	1.9
14252.2	10000	38.8946	94.6086	-391	PKC	2.7	-1	7.5	-1	1.1	0	0.362	0	2.442	-1	6.747	-1	1845	40	2.0
14252.1	10000	38.8946	94.6078	-391	PKC	3.0	-1	7.4	-1	1.1	0	0.398	0	2.727	0	6.859	-1	1846	42	2.0
14252.0	10000	38.8946	94.6070	-392	PKC	3.4	0	7.2	-2	1.1	0	0.472	1	3.057	0	6.475	-1	1851	38	2.0
14251.9	10000	38.8946	94.6062	-392	PKC	3.4	0	7.2	-2	1.1	0	0.465	1	2.996	0	6.435	-1	1850	43	2.0
14251.8	10000	38.8946	94.6055	-391	PKC	3.2	0	6.8	-2	1.1	0	0.467	1	2.856	0	6.121	-2	1841	45	2.0
14251.7	10000	38.8947	94.6047	-389	PKC	2.9	-1	7.1	-2	1.1	0	0.412	1	2.597	-1	6.299	-2	1840	40	2.0
14251.6	10000	38.8947	94.6039	-389	PKC	3.2	0	7.0	-2	1.2	0	0.454	1	2.756	0	6.074	-2	1860	48	2.0
14251.5	10000	38.8947	94.6032	-392	PKC	3.3	0	7.0	-2	1.2	0	0.470	1	2.723	0	5.790	-2	1870	53	2.0
14251.4	10000	38.8947	94.6024	-393	PKC	3.1	0	7.0	-2	1.2	1	0.441	1	2.533	-1	5.747	-2	1890	36	2.0
14251.3	10000	38.8947	94.6016	-396	PKC	3.1	0	6.9	-2	1.2	1	0.445	1	2.566	-1	5.772	-2	1892	55	2.0
14251.2	10000	38.8947	94.6009	-399	PKC	3.3	0	7.1	-2	1.2	1	0.467	1	2.675	0	5.734	-2	1927	51	2.0
14251.1	10000	38.8947	94.6001	-401	PKC	3.7	1	7.5	-1	1.2	1	0.493	1	2.995	0	6.080	-2	1977	54	2.0
14251.0	10000	38.8947	94.5993	-401	PKC	3.9	1	7.4	-2	1.3	1	0.526	2	3.053	0	5.809	-2	2001	51	2.0
14250.9	10000	38.8947	94.5986	-401	PKC	3.6	1	7.5	-1	1.3	1	0.478	2	2.867	0	5.994	-2	2009	55	2.0
14250.8	10000	38.8947	94.5978	-403	PKC	3.7	1	7.7	-1	1.2	1	0.481	2	3.052	0	6.349	-2	2018	51	2.1
14250.7	10000	38.8947	94.5970	-403	PKC	3.7	1	7.6	-1	1.2	1	0.484	2	3.025	0	6.250	-2	2018	46	2.1
14250.6	10000	38.8947	94.5962	-403	PKC	3.6	1	7.9	-1	1.2	1	0.456	2	3.017	0	6.612	-1	2017	41	2.1
14250.5	10000	38.8948	94.5955	-404	PKC	3.4	1	7.6	-1	1.1	1	0.451	2	3.019	0	6.691	-1	1984	48	2.1
14250.4	10000	38.8948	94.5947	-404	PKC	3.3	1	7.8	-1	1.2	1	0.427	2	2.880	0	6.742	-1	1954	46	2.1
14250.3	10000	38.8948	94.5939	-405	PKC	3.1	1	7.3	-2	1.1	1	0.426	2	2.783	0	6.531	-1	1927	50	2.1
14250.2	10000	38.8948	94.5932	-405	PKC	3.2	1	7.4	-1	1.1	1	0.436	2	2.940	0	6.747	-1	1898	39	2.1
14250.1	10000	38.8948	94.5924	-405	PKC	2.8	1	7.3	-2	1.1	1	0.381	2	2.466	-1	6.468	-1	1873	37	2.1
14250.0	10000	38.8948	94.5916	-407	PKC	2.9	1	7.5	-1	1.1	1	0.386	2	2.588	-1	6.710	-1	1878	45	2.1
14249.9	10000	38.8948	94.5909	-406	PKC	2.6	1	7.3	-2	1.1	1	0.359	2	2.316	-1	6.445	-1	1870	44	2.1
14249.8	10000	38.8948	94.5901	-404	PKC	2.8	1	7.6	-1	1.2	1	0.367	2	2.297	-1	6.265	-2	1889	47	2.1
14249.7	10000	38.8948	94.5893	-405	PKC	2.9	1	7.4	-2	1.2	1	0.387	2	2.366	-1	6.112	-2	1892	49	2.1
14249.6	10000	38.8948	94.5885	-407	PKC	3.0	1	7.4	-2	1.2	1	0.407	2	2.563	-1	6.299	-2	1895	48	2.1
14249.5	10000	38.8948	94.5878	-408	PKC	2.9	1	7.2	-2	1.2	1	0.404	2	2.415	-1	5.973	-2	1915	61	2.2
14249.4	10000	38.8948	94.5870	-409	PKC	3.2	1	7.0	-2	1.2	1	0.458	2	2.750	-1	6.003	-2	1944	53	2.2
14249.3	10000	38.8948	94.5862	-409	PKC	3.0	1	6.6	-2	1.1	1	0.458	2	2.693	-1	5.874	-2	1933	49	2.2
14249.2	10000	38.8948	94.5855	-410	PKC	3.2	1	6.7	-2	1.2	1	0.477	2	2.746	0	5.760	-2	1961	57	2.2
14249.1	10000	38.8949	94.5848	-409	PKC	3.5	1	6.5	-2	1.1	1	0.541	2	3.180	0	5.879	-2	1986	53	2.2
14249.0	10000	38.8949	94.5840	-408	PKC	3.5	1	6.4	-2	1.1	1	0.518	2	2.912	0	5.618	-2	2017	53	2.2
14248.9	10000	38.8949	94.5833	-409	PKC	3.5	0	6.9	-2	1.1	1	0.508	2	3.047	0	6.000	-2	2057	46	2.2

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14248.8	10000	38.8948	94.5825	-410	PKC	3.7	1	7.1	-2	1.2	0	0.526	2	3.234	0	6.144	-2	2078	51	2.2
14248.7	10000	38.8948	94.5818	-410	PKC	3.5	0	7.2	-2	1.2	0	0.486	2	2.919	0	6.005	-2	2090	50	2.2
14248.6	10000	38.8948	94.5811	-410	PKC	3.8	1	7.9	-1	1.3	1	0.475	1	2.900	0	6.108	-2	2134	44	2.2
14248.5	10000	38.8948	94.5803	-412	PKC	3.6	1	8.3	-1	1.3	1	0.435	1	2.775	0	6.372	-2	2173	46	2.2
14248.4	10000	38.8948	94.5796	-412	PKC	3.4	0	8.6	-1	1.4	1	0.395	0	2.487	-1	6.304	-2	2199	51	2.2
14248.3	10000	38.8948	94.5788	-412	PKC	3.1	0	8.4	-1	1.4	1	0.362	0	2.193	-1	6.051	-2	2191	53	2.2
14248.2	10000	38.8948	94.5781	-412	PKC	2.8	-1	8.3	-1	1.5	2	0.340	0	1.827	-2	5.374	-2	2207	56	2.2
14248.1	10000	38.8948	94.5774	-413	PKC	2.7	-1	8.5	-1	1.6	3	0.323	0	1.740	-2	5.391	-2	2210	36	2.2
14248.0	10000	38.8948	94.5766	-413	PKC	2.9	-1	8.5	-1	1.6	3	0.344	0	1.843	-2	5.354	-2	2211	43	2.2
14247.9	10000	38.8948	94.5759	-412	PKC	3.0	0	8.3	-1	1.6	3	0.366	0	1.927	-2	5.270	-2	2196	46	2.2
14247.8	10000	38.8948	94.5751	-412	PKC	3.2	0	8.1	-1	1.5	2	0.393	0	2.100	-1	5.341	-2	2153	47	2.3
14247.7	10000	38.8948	94.5744	-413	PKC	3.2	0	7.8	-1	1.4	2	0.416	1	2.281	-1	5.484	-2	2118	57	2.3
14247.6	10000	38.8948	94.5737	-413	PKC	3.5	0	8.2	-1	1.3	1	0.434	1	2.656	0	6.127	-2	2115	44	2.3
14247.5	10000	38.8948	94.5729	-412	PKC	3.6	0	8.3	-1	1.2	1	0.426	1	2.895	0	6.797	-1	2096	36	2.3
14247.4	10000	38.8948	94.5722	-412	PKC	3.5	0	8.0	-1	1.2	1	0.442	1	2.927	0	6.622	-1	2094	57	2.3
14247.3	10000	38.8948	94.5714	-413	PKC	3.5	0	7.9	-1	1.2	1	0.444	1	2.904	0	6.547	-1	2104	34	2.3
14247.2	10000	38.8948	94.5707	-412	PKC	3.5	0	7.9	-1	1.2	1	0.439	1	2.975	0	6.777	-1	2096	33	2.3
14247.1	10000	38.8948	94.5699	-411	PKC	3.5	0	8.0	-1	1.2	1	0.439	1	2.903	0	6.605	-1	2119	47	2.3
14247.0	10000	38.8948	94.5692	-411	PKC	3.1	0	8.3	-1	1.2	0	0.378	0	2.590	-1	6.855	-1	2113	40	2.3
14246.9	10000	38.8948	94.5685	-413	PKC	3.1	0	8.1	-1	1.3	1	0.384	0	2.493	-1	6.486	-1	2120	43	2.3
14246.8	10000	38.8948	94.5677	-413	PKC	3.1	0	8.0	-1	1.2	1	0.394	0	2.532	-1	6.421	-2	2129	45	2.3
14246.7	10000	38.8948	94.5670	-413	PKC	3.1	0	8.6	-1	1.2	0	0.368	0	2.600	-1	7.074	-1	2138	55	2.3
14246.6	10000	38.8948	94.5663	-413	PKC	3.2	0	8.6	-1	1.2	0	0.380	0	2.696	0	7.100	-1	2123	44	2.3
14246.5	10000	38.8948	94.5655	-413	PKC	3.2	0	8.5	-1	1.2	0	0.375	0	2.670	0	7.128	-1	2126	44	2.3
14246.4	10000	38.8948	94.5648	-411	PKC	3.2	0	8.2	-1	1.1	0	0.387	0	2.818	0	7.286	-1	2118	57	2.3
14246.3	10000	38.8948	94.5640	-411	PKC	3.7	1	7.9	-1	1.1	1	0.473	1	3.298	0	6.967	-1	2135	48	2.3
14246.2	10000	38.8948	94.5633	-411	PKC	3.8	1	8.4	-1	1.1	1	0.450	1	3.453	1	7.681	-1	2130	51	2.3
14246.1	10000	38.8948	94.5625	-412	PKC	3.8	1	8.7	0	1.1	1	0.435	1	3.440	1	7.899	0	2136	50	2.3
14246.0	10000	38.8948	94.5618	-412	PKC	4.1	1	8.2	-1	1.1	2	0.495	2	3.722	1	7.527	-1	2143	35	2.3
14245.9	10000	38.8948	94.5611	-412	PKC	4.0	1	8.4	-1	1.1	1	0.474	1	3.760	1	7.935	0	2150	40	2.3
14245.8	10000	38.8948	94.5603	-414	PKC	3.8	1	8.7	-1	1.1	1	0.438	1	3.567	1	8.151	0	2153	46	2.3
14245.7	10000	38.8948	94.5596	-414	PKC	3.6	1	8.9	-1	1.1	1	0.404	1	3.427	1	8.486	0	2152	37	2.3
14245.6	10000	38.8948	94.5588	-414	PKC	3.4	1	8.6	-1	1.1	1	0.387	0	3.122	1	8.076	0	2140	47	2.3
14245.5	10000	38.8948	94.5581	-414	PKC	3.5	1	8.4	-1	1.1	1	0.411	1	3.103	1	7.560	-1	2154	50	2.3
14245.4	10000	38.8948	94.5574	-414	PKC	3.3	1	8.5	-1	1.1	1	0.390	1	2.886	1	7.398	-1	2136	36	2.3
14245.3	10000	38.8948	94.5566	-415	PKC	3.0	0	8.6	-1	1.1	1	0.352	0	2.788	0	7.913	0	2100	50	2.3
14245.2	10000	38.8948	94.5559	-414	PKC	2.9	-1	8.4	-1	1.1	1	0.371	0	2.056	0	7.244	0	2089	47	2.3
14245.1	10000	38.8948	94.5551	-414	PKC	3.2	0	8.5	-1	1.1	1	0.419	1	3.490	1	8.337	0	2084	43	2.3
14245.0	10000	38.8948	94.5544	-414	PKC	3.4	0	8.6	-1	1.1	1	0.418	1	3.473	1	8.316	0	2061	52	2.3
14244.9	10000	38.8948	94.5537	-413	PKC	3.2	0	8.2	-1	1.1	1	0.390	0	3.525	1	9.031	1	2042	50	2.3
14244.8	10000	38.8948	94.5529	-413	PKC	3.2	0	8.1	-1	1.1	1	0.389	0	3.377	1	8.674	0	2009	48	2.3
14244.7	10000	38.8948	94.5522	-414	PKC	3.3	0	8.0	-1	1.1	1	0.413	1	3.610	1	8.745	0	1999	59	2.3
14244.6	10000	38.8948	94.5514	-414	PKC	3.2	0	8.0	-1	1.1	1	0.428	1	3.589	1	8.377	0	1997	46	2.3
14244.5	10000	38.8948	94.5507	-413	PKC	3.2	0	8.0	-1	1.1	1	0.432	1	3.520	1	8.145	0	2000	41	2.3
14244.4	10000	38.8948	94.5500	-413	PKC	3.2	0	8.0	-1	1.1	1	0.398	1	3.203	1	8.052	0	1998	48	2.3
14244.3	10000	38.8948	94.5492	-416	PKC	3.4	0	9.2	-1	1.1	1	0.430	1	3.166	1	7.359	-1	2032	36	2.3
14244.2	10000	38.8948	94.5485	-418	PKC	3.6	0	9.4	-1	1.1	1	0.436	1	3.217	1	7.381	-1	2049	47	2.3
14244.1	10000	38.8948	94.5477	-417	PKC	3.5	0	9.4	-1	1.1	1	0.453	1	3.287	1	7.256	-1	2041	52	2.3
14244.0	10000	38.8948	94.5470	-415	PKC	3.3	0	9.1	-1	1.1	1	0.440	1	3.291	1	7.480	-1	2019	45	2.3
14243.9	10000	38.8948	94.5462	-413	PKC	3.2	0	8.8	-1	1.1	1	0.447	1	3.185	1	7.123	-1	1989	53	2.3
14243.8	10000	38.8948	94.5455	-408	PKC	3.0	0	8.4	-1	1.1	1	0.453	1	3.107	1	6.856	-1	1927	55	2.3
14243.7	10000	38.8948	94.5448	-398	PKC	3.3	0	6.4	-2	1.0	-1	0.514	2	3.225	0	6.270	-2	1874	43	2.3

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14243.6	10000	38.8948	94.5440	-384	CULTRL	3.5	999	6.1	999	1.0	999	0.569	999	3.549	999	6.242	999	1803	41	2.3
14243.5	10000	38.8948	94.5433	-374	CULTRL	3.5	999	5.6	999	0.9	999	0.624	999	3.795	999	6.086	999	1778	51	2.3
14243.4	10000	38.8948	94.5426	-381	CULTRL	3.3	999	5.5	999	0.9	999	0.600	999	3.647	999	6.074	999	1784	49	2.3
14243.3	10000	38.8948	94.5418	-399	CULTRL	3.4	999	5.5	999	1.0	999	0.608	999	3.448	999	5.667	999	1792	52	2.3
14243.2	10000	38.8948	94.5411	-412	CULTRL	3.7	999	5.4	999	1.0	999	0.683	999	3.759	999	5.502	999	1808	41	2.3
14243.1	10000	38.8948	94.5403	-417	CULTRL	3.9	999	5.8	999	1.0	999	0.676	999	3.914	999	5.787	999	1848	45	2.3
14243.0	10000	38.8948	94.5396	-417	CULTRL	3.9	999	6.3	999	1.0	999	0.615	999	3.786	999	6.155	999	1880	54	2.3
14242.9	10000	38.8948	94.5388	-415	CULTRL	3.6	999	6.6	999	1.0	999	0.538	999	3.450	999	6.409	999	1910	34	2.3
14242.8	10000	38.8948	94.5381	-415	CULTRL	3.2	999	6.9	999	1.1	999	0.464	999	3.046	999	6.561	999	1923	47	2.3
14242.7	10000	38.8948	94.5374	-415	CULTRL	3.4	999	7.2	999	1.1	999	0.475	999	3.193	999	6.729	999	1930	32	2.3
14242.6	10000	38.8948	94.5366	-414	CULTRL	3.4	999	7.0	999	1.0	999	0.485	999	3.272	999	6.746	999	1928	46	2.4
14242.5	10000	38.8948	94.5359	-413	CULTRL	3.4	999	7.5	999	1.1	999	0.445	999	3.173	999	7.126	999	1941	58	2.4
14242.4	10000	38.8948	94.5351	-414	CULTRL	3.1	999	7.3	999	1.1	999	0.428	999	2.879	999	6.723	999	1958	40	2.4
14242.3	10000	38.8948	94.5344	-413	CULTRL	3.1	999	7.1	999	1.1	999	0.440	999	2.876	999	6.537	999	1959	62	2.4
14242.2	10000	38.8948	94.5337	-413	CULTRL	3.5	999	7.2	999	1.1	999	0.485	999	3.195	999	6.594	999	1975	49	2.4
14242.1	10000	38.8948	94.5329	-413	CULTRL	3.8	999	6.6	999	1.1	999	0.575	999	3.438	999	5.984	999	1974	43	2.4
14242.0	10000	38.8948	94.5322	-414	CULTRL	3.8	999	6.6	999	1.1	999	0.572	999	3.546	999	6.196	999	1955	40	2.4
14241.9	10000	38.8948	94.5314	-412	CULTRL	3.9	999	6.4	999	1.1	999	0.608	999	3.650	999	6.005	999	1947	50	2.4
14241.8	10000	38.8948	94.5307	-411	CULTRL	3.7	999	6.2	999	1.1	999	0.592	999	3.482	999	5.882	999	1913	46	2.4
14241.7	10000	38.8948	94.5300	-411	CULTRL	3.9	999	6.0	999	1.0	999	0.644	999	4.001	999	6.216	999	1867	32	2.4
14241.6	10000	38.8948	94.5292	-411	CULTRL	3.9	999	5.6	999	0.9	999	0.695	999	4.361	999	6.276	999	1836	37	2.4
14241.5	10000	38.8948	94.5285	-410	CULTRL	3.7	999	5.3	999	0.8	999	0.696	999	4.401	999	6.322	999	1795	55	2.4
14241.4	10000	38.8948	94.5277	-408	CULTRL	3.5	999	5.6	999	0.9	999	0.635	999	4.067	999	6.407	999	1774	48	2.4
14241.3	10000	38.8948	94.5270	-408	CULTRL	3.4	999	5.4	999	0.8	999	0.629	999	3.998	999	6.362	999	1747	53	2.4
14241.2	10000	38.8948	94.5263	-410	CULTRL	3.0	999	5.4	999	0.8	999	0.562	999	3.641	999	6.482	999	1722	49	2.4
14241.1	10000	38.8948	94.5255	-412	CULTRL	3.0	999	5.4	999	0.9	999	0.561	999	3.565	999	6.357	999	1702	44	2.4
14241.0	10000	38.8948	94.5248	-412	CULTRL	2.6	999	5.5	999	0.9	999	0.483	999	2.922	999	6.054	999	1690	52	2.4
14240.9	10000	38.8948	94.5240	-411	CULTRL	2.4	999	5.6	999	1.0	999	0.432	999	2.442	999	5.657	999	1681	55	2.4
14240.8	10000	38.8948	94.5233	-406	CULTRL	2.5	999	5.6	999	1.0	999	0.439	999	2.356	999	5.371	999	1691	54	2.4
14240.7	10000	38.8948	94.5226	-403	CULTRL	2.2	999	5.9	999	1.0	999	0.363	999	2.158	999	5.939	999	1688	57	2.4
14240.6	10000	38.8948	94.5218	-403	CULTRL	2.4	999	6.0	999	1.0	999	0.410	999	2.467	999	6.011	999	1702	49	2.4
14240.5	10000	38.8948	94.5211	-404	CULTRL	3.0	999	6.1	999	1.0	999	0.486	999	2.980	999	6.130	999	1736	56	2.4
14240.4	10000	38.8948	94.5203	-405	CULTRL	2.9	999	6.1	999	1.0	999	0.471	999	3.004	999	6.376	999	1753	41	2.4
14240.3	10000	38.8948	94.5196	-408	CULTRL	3.0	999	6.4	999	1.0	999	0.475	999	3.103	999	6.536	999	1776	54	2.4
14240.2	10000	38.8948	94.5189	-408	CULTRL	3.3	999	6.8	999	0.9	999	0.483	999	3.496	999	7.233	999	1783	53	2.4
14240.1	10000	38.8948	94.5181	-409	CULTRL	2.9	999	6.8	999	1.0	999	0.434	999	3.089	999	7.115	999	1777	48	2.4
14240.0	10000	38.8948	94.5174	-409	CULTRL	3.3	999	6.8	999	0.9	999	0.485	999	3.515	999	7.244	999	1771	37	2.4
14239.9	10000	38.8948	94.5166	-410	CULTRL	2.8	999	6.9	999	1.0	999	0.408	999	2.902	999	7.114	999	1774	40	2.4
14239.8	10000	38.8948	94.5159	-410	CULTRL	2.6	999	7.1	999	1.0	999	0.363	999	2.665	999	7.348	999	1767	41	2.4
14239.7	10000	38.8948	94.5152	-409	CULTRL	2.6	999	7.2	999	1.0	999	0.368	999	2.705	999	7.349	999	1779	34	2.4
14239.6	10000	38.8948	94.5144	-409	CULTRL	2.6	999	7.1	999	1.0	999	0.366	999	2.542	999	6.950	999	1794	48	2.4
14239.5	10000	38.8948	94.5137	-409	CULTRL	2.3	999	7.3	999	1.0	999	0.312	999	2.167	999	6.956	999	1811	57	2.4
14239.4	10000	38.8948	94.5129	-408	CULTRL	2.4	999	7.6	999	1.0	999	0.313	999	2.288	999	7.310	999	1818	44	2.4
14239.3	10000	38.8948	94.5122	-408	CULTRL	2.3	999	7.8	999	1.1	999	0.301	999	2.172	999	7.216	999	1845	50	2.4
14239.2	10000	38.8948	94.5114	-409	CULTRL	2.6	999	7.7	999	1.1	999	0.342	999	2.443	999	7.147	999	1853	36	2.4
14239.1	10000	38.8948	94.5107	-408	CULTRL	3.0	999	8.2	999	1.1	999	0.364	999	2.753	999	7.559	999	1880	49	2.4
14239.0	10000	38.8948	94.5100	-406	CULTRL	2.9	999	8.2	999	1.1	999	0.354	999	2.641	999	7.467	999	1886	41	2.4
14238.9	10000	38.8948	94.5092	-406	CULTRL	3.1	999	8.4	999	1.1	999	0.371	999	2.973	999	8.019	999	1892	40	2.4
14238.8	10000	38.8948	94.5085	-406	CULTRL	3.3	999	8.0	999	1.0	999	0.410	999	3.117	999	7.605	999	1903	50	2.4
14238.7	10000	38.8947	94.5078	-404	CULTRL	3.4	999	8.1	999	1.1	999	0.424	999	3.239	999	7.642	999	1929	35	2.4
14238.6	10000	38.8947	94.5070	-404	CULTRL	3.7	999	7.7	999	1.0	999	0.476	999	3.549	999	7.448	999	1920	52	2.4
14238.5	10000	38.8947	94.5063	-403	CULTRL	3.5	999	7.8	999	1.1	999	0.445	999	3.255	999	7.313	999	1913	39	2.4

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14238.4	10000	38.8947	94.5055	-402	CULTRL	3.1	999	7.3	999	1.1	999	0.432	999	2.979	999	6.899	999	1874	56	2.4
14238.3	10000	38.8947	94.5048	-400	CULTRL	3.0	999	7.2	999	1.1	999	0.421	999	2.820	999	6.698	999	1855	47	2.4
14238.2	10000	38.8947	94.5040	-399	CULTRL	3.0	999	7.0	999	1.1	999	0.427	999	2.691	999	6.299	999	1841	38	2.4
14238.1	10000	38.8947	94.5033	-397	CULTRL	3.0	999	7.1	999	1.1	999	0.428	999	2.705	999	6.327	999	1835	45	2.4
14238.0	10000	38.8947	94.5026	-393	CULTRL	3.1	999	7.2	999	1.1	999	0.434	999	2.745	999	6.331	999	1819	56	2.4
14237.9	10000	38.8947	94.5018	-390	CULTRL	2.8	999	7.1	999	1.2	999	0.401	999	2.418	999	6.033	999	1821	48	2.4
14237.8	10000	38.8947	94.5011	-389	CULTRL	2.9	999	7.0	999	1.2	999	0.417	999	2.496	999	5.979	999	1839	51	2.4
14237.7	10000	38.8947	94.5003	-390	CULTRL	2.6	999	6.9	999	1.2	999	0.379	999	2.195	999	5.799	999	1865	53	2.4
14237.6	10000	38.8947	94.4996	-393	CULTRL	2.9	999	6.9	999	1.2	999	0.419	999	2.376	999	5.669	999	1902	38	2.4
14237.5	10000	38.8947	94.4989	-395	CULTRL	3.0	999	7.0	999	1.2	999	0.429	999	2.542	999	5.921	999	1939	37	2.4
14237.4	10000	38.8947	94.4981	-396	PKC	3.2	0	7.3	-2	1.2	1	0.438	1	2.617	-1	5.971	-2	1969	35	2.3
14237.3	10000	38.8947	94.4974	-395	PKC	3.2	0	7.5	-1	1.2	0	0.419	1	2.649	0	6.317	-2	2012	42	2.3
14237.2	10000	38.8947	94.4966	-395	PKC	2.9	-1	7.9	-1	1.2	0	0.372	0	2.431	-1	6.535	-1	2039	43	2.3
14237.1	10000	38.8947	94.4959	-396	PKC	3.0	0	8.6	-1	1.2	1	0.354	0	2.482	-1	7.002	-1	2065	33	2.3
14237.0	10000	38.8947	94.4952	-394	PKC	3.3	0	9.0	0	1.2	1	0.362	0	2.656	0	7.329	-1	2096	50	2.3
14236.9	10000	38.8947	94.4944	-391	PKC	3.2	0	9.8	0	1.2	0	0.320	-1	2.616	-1	8.176	0	2118	42	2.3
14236.8	10000	38.8947	94.4937	-392	PKC	3.1	0	10.2	1	1.2	0	0.301	-1	2.543	-1	8.457	0	2131	40	2.3
14236.7	10000	38.8947	94.4929	-390	PKC	3.0	0	10.4	1	1.2	0	0.293	-1	2.537	-1	8.654	0	2157	50	2.3
14236.6	10000	38.8947	94.4922	-389	PKC	3.0	0	10.7	1	1.3	1	0.283	-1	2.411	-1	8.529	0	2169	42	2.3
14236.5	10000	38.8947	94.4914	-389	PKC	3.1	0	10.6	1	1.3	1	0.294	-1	2.446	-1	8.320	0	2202	49	2.3
14236.4	10000	38.8947	94.4907	-388	PKC	3.2	0	10.4	1	1.3	1	0.309	-1	2.427	-1	7.854	0	2223	32	2.3
14236.3	10000	38.8947	94.4899	-387	PKC	3.1	0	10.1	1	1.4	1	0.307	-1	2.270	-1	7.406	-1	2245	41	2.3
14236.2	10000	38.8947	94.4891	-386	PKC	3.1	0	9.9	0	1.4	2	0.315	-1	2.188	-1	6.943	-1	2288	42	2.3
14236.1	10000	38.8947	94.4884	-387	PKC	3.4	0	9.9	0	1.5	2	0.338	0	2.277	-1	6.736	-1	2311	46	2.3
14236.0	10000	38.8947	94.4876	-386	PKC	3.6	0	10.0	0	1.5	2	0.359	0	2.458	-1	6.847	-1	2309	44	2.3
14235.9	10000	38.8947	94.4869	-385	PKC	3.4	0	9.6	0	1.4	2	0.356	0	2.433	-1	6.841	-1	2285	45	2.3
14235.8	10000	38.8947	94.4861	-385	PKC	3.5	0	10.0	0	1.3	2	0.349	0	2.619	-1	7.515	-1	2249	40	2.3
14235.7	10000	38.8947	94.4853	-384	PKC	3.5	0	10.2	0	1.3	2	0.344	0	2.740	-1	7.958	-1	2224	50	2.2
14235.6	10000	38.8947	94.4846	-383	PKC	3.5	0	10.4	0	1.3	2	0.333	0	2.691	-1	8.079	-1	2209	42	2.2
14235.5	10000	38.8947	94.4838	-383	PKC	3.7	0	10.0	0	1.3	2	0.371	0	2.958	-1	7.969	-1	2177	51	2.2
14235.4	10000	38.8947	94.4830	-384	PKC	3.8	0	9.9	0	1.3	2	0.381	0	3.060	-1	8.023	-1	2182	42	2.2
14235.3	10000	38.8947	94.4823	-383	PKC	3.6	0	9.7	0	1.3	2	0.374	0	2.771	-1	7.417	-1	2209	56	2.2
14235.2	10000	38.8947	94.4815	-382	PKC	4.0	0	9.7	0	1.4	3	0.415	0	2.836	-1	6.834	-1	2271	47	2.2
14235.1	10000	38.8947	94.4808	-383	PKC	3.9	0	10.0	1	1.3	3	0.390	0	2.608	-1	6.687	-1	2321	48	2.2
14235.0	10000	38.8947	94.4800	-382	PKC	3.7	0	10.1	1	1.4	3	0.368	0	2.448	-1	6.648	-1	2339	45	2.2
14234.9	10000	38.8947	94.4792	-381	PKC	3.6	0	9.9	1	1.5	3	0.364	0	2.386	-1	6.557	-1	2325	38	2.2
14234.8	10000	38.8947	94.4785	-381	PKC	3.3	0	10.4	1	1.5	3	0.317	0	2.186	-1	6.394	-1	2307	48	2.2
14234.7	10000	38.8947	94.4777	-382	PKC	3.1	0	10.3	1	1.5	3	0.302	0	2.081	-1	6.893	-1	2279	43	2.2
14234.6	10000	38.8947	94.4770	-382	PKC	3.0	0	10.1	1	1.5	3	0.296	0	2.036	-1	6.869	-1	2251	45	2.2
14234.5	10000	38.8947	94.4762	-382	PKC	2.8	0	9.9	1	1.4	3	0.280	0	1.958	-1	6.995	-1	2211	49	2.2
14234.4	10000	38.8946	94.4754	-383	PKC	3.0	0	9.8	1	1.4	3	0.329	0	2.172	-1	6.612	-1	2170	53	2.2
14234.3	10000	38.8946	94.4747	-382	PKC	3.1	0	9.8	1	1.4	3	0.354	0	2.335	-1	6.588	-1	2130	65	2.2
14234.2	10000	38.8946	94.4739	-381	PKC	3.3	0	9.8	1	1.4	3	0.381	0	2.451	-1	6.431	-1	2097	57	2.2
14234.1	10000	38.8946	94.4732	-380	PKC	3.3	0	9.8	1	1.4	3	0.392	0	2.507	-1	6.388	-2	2090	43	2.2
14234.0	10000	38.8946	94.4724	-377	PKC	3.1	0	9.8	1	1.4	3	0.362	0	2.233	-1	6.176	-2	2072	59	2.2
14233.9	10000	38.8946	94.4716	-378	PKC	3.1	0	9.8	1	1.4	3	0.367	0	2.370	-1	6.453	-1	2074	54	2.2
14233.8	10000	38.8946	94.4709	-379	PKC	3.0	0	9.8	1	1.4	3	0.359	0	2.400	-1	6.677	-1	2065	44	2.2
14233.7	10000	38.8946	94.4701	-378	PKC	3.0	0	9.8	1	1.4	3	0.349	0	2.273	-1	6.509	-1	2079	39	2.2
14233.6	10000	38.8946	94.4694	-378	PKC	3.0	0	9.8	1	1.4	3	0.350	0	2.199	-1	6.275	-2	2108	34	2.2
14233.5	10000	38.8946	94.4686	-386	PKC	3.0	0	9.8	1	1.4	3	0.313	0	2.063	-1	6.580	-1	2153	63	2.2
14233.4	10000	38.8946	94.4678	-389	PKC	3.0	0	9.8	1	1.4	3	0.311	0	1.955	-1	6.286	-2	2183	56	2.2
14233.3	10000	38.8946	94.467?	-389	PKC	3.0	0	9.3	1	1.5	2	0.322	0	2.058	-1	6.386	-2	2212	42	2.1

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14233.2	10000	38.8946	94.4663	-388	PKC	3.1	0	9.9	0	1.5	2	0.314	-1	2.094	-1	6.661	-1	2234	39	2.1
14233.1	10000	38.8946	94.4656	-389	PKC	3.1	0	9.9	0	1.5	2	0.309	-1	2.040	-1	6.598	-1	2240	49	2.1
14233.0	10000	38.8946	94.4648	-388	PKC	3.0	0	10.4	1	1.5	2	0.292	-1	2.054	-1	7.029	-1	2247	49	2.0
14232.9	10000	38.8946	94.4641	-387	PKC	3.0	0	10.6	1	1.4	2	0.285	-1	2.117	-1	7.435	-1	2253	36	2.0
14232.8	10000	38.8946	94.4633	-387	PKC	3.3	0	10.6	1	1.4	1	0.309	-1	2.337	-1	7.574	-1	2252	45	2.0
14232.7	10000	38.8946	94.4625	-387	PKC	3.4	0	10.4	1	1.3	1	0.327	0	2.608	-1	7.984	0	2234	47	2.0
14232.6	10000	38.8946	94.4618	-386	PKC	3.5	0	10.5	1	1.2	1	0.330	0	2.812	0	8.525	0	2210	43	2.0
14232.5	10000	38.8946	94.4610	-384	PKC	3.2	0	9.8	0	1.2	1	0.327	0	2.691	0	8.232	0	2187	50	2.0
14232.4	10000	38.8946	94.4603	-383	PKC	3.0	-1	9.9	0	1.2	1	0.302	-1	2.536	-1	8.399	0	2193	48	2.0
14232.3	10000	38.8946	94.4595	-379	PKC	3.1	0	9.7	0	1.2	1	0.321	0	2.602	-1	8.108	0	2203	44	2.0
14232.2	10000	38.8946	94.4587	-378	PKC	3.0	-1	9.5	0	1.2	1	0.312	-1	2.481	-1	7.958	0	2202	37	2.0
14232.1	10000	38.8946	94.4580	-378	PKC	2.9	-1	9.3	0	1.2	1	0.308	-1	2.380	-1	7.736	0	2189	33	2.0
14232.0	10000	38.8946	94.4572	-378	PKC	2.9	-1	9.1	0	1.2	1	0.317	-1	2.317	-1	7.308	-1	2185	34	2.0
14231.9	10000	38.8946	94.4565	-379	PKC	3.2	0	8.8	0	1.3	1	0.362	0	2.497	-1	6.901	-1	2170	49	1.9
14231.8	10000	38.8946	94.4557	-380	PKC	3.1	0	9.2	0	1.3	1	0.338	0	2.388	-1	7.073	-1	2147	39	1.9
14231.7	10000	38.8946	94.4549	-379	PKC	3.3	0	9.0	0	1.3	1	0.362	0	2.526	-1	6.984	-1	2128	47	1.9
14231.6	10000	38.8946	94.4542	-378	PKC	3.2	0	9.1	0	1.2	1	0.349	0	2.544	-1	7.290	-1	2097	37	1.9
14231.5	10000	38.8946	94.4534	-379	PKC	3.4	0	9.1	0	1.3	1	0.372	0	2.682	0	7.204	-1	2099	62	1.9
14231.4	10000	38.8945	94.4526	-380	PKC	3.6	1	9.5	0	1.2	1	0.384	0	2.938	0	7.650	-1	2093	54	1.9
14231.3	10000	38.8945	94.4519	-381	PKC	3.4	0	9.6	0	1.2	0	0.356	0	2.812	0	7.908	0	2088	48	1.9
14231.2	10000	38.8945	94.4511	-381	PKC	3.2	0	9.7	0	1.2	0	0.333	0	2.630	0	7.909	0	2110	42	1.9
14231.1	10000	38.8945	94.4504	-381	PKC	3.1	0	9.3	0	1.2	0	0.333	0	2.582	-1	7.742	0	2097	50	1.9
14231.0	10000	38.8945	94.4496	-381	PKC	3.3	0	8.8	0	1.2	0	0.371	0	2.800	0	7.545	-1	2031	47	1.9
14230.9	10000	38.8945	94.4488	-379	PKC	3.2	0	8.2	-1	1.1	0	0.387	0	2.918	0	7.539	-1	1935	53	1.9
14230.8	10000	38.8945	94.4481	-379	PKC	2.9	-1	7.6	-1	1.0	-1	0.376	0	2.864	0	7.607	-1	1808	41	1.9
14230.7	10000	38.8945	94.4473	-379	PKC	2.7	-1	6.8	-2	0.9	-1	0.390	0	2.900	0	7.427	-1	1715	54	1.9
14230.6	10000	38.8945	94.4466	-378	PKC	2.7	-1	6.6	-2	0.8	-2	0.408	1	3.157	0	7.732	0	1623	40	1.9
14230.5	10000	38.8945	94.4458	-377	PKC	2.3	-1	6.3	-2	0.8	-2	0.363	0	2.979	0	8.204	0	1536	50	1.8
14230.4	10000	38.8945	94.4450	-377	PKC	2.7	-1	6.6	-2	0.7	-2	0.439	1	3.692	0	8.407	0	1502	51	1.8
14230.3	10000	38.8945	94.4443	-376	PKC	2.6	-1	6.9	-2	0.8	-2	0.387	0	3.576	0	9.245	0	1529	51	1.8
14230.2	10000	38.8945	94.4435	-375	PKC	2.6	-1	7.5	-1	0.9	-1	0.376	0	3.201	0	8.521	0	1616	41	1.8
14230.1	10000	38.8945	94.4428	-374	PKC	3.0	0	7.7	-1	0.9	-1	0.395	0	3.367	0	8.517	0	1713	46	1.8
14230.0	10000	38.8945	94.4420	-373	PKC	3.3	0	8.0	-1	1.0	-1	0.429	0	3.553	0	8.283	0	1813	42	1.8
14229.9	10000	38.8945	94.4412	-371	PKC	3.4	0	8.6	-1	1.1	-1	0.400	0	3.334	0	8.341	0	1920	48	1.8
14229.8	10000	38.8945	94.4405	-370	PKC	3.6	0	9.0	-1	1.2	-1	0.403	0	3.221	0	7.994	0	2024	54	1.8
14229.7	10000	38.8945	94.4397	-370	PKC	3.5	0	9.7	0	1.2	-1	0.357	0	3.026	0	7.484	0	2096	35	1.8
14229.6	10000	38.8945	94.4390	-368	PKC	3.6	0	9.8	0	1.2	0	0.365	0	2.967	0	8.127	0	2165	54	1.8
14229.5	10000	38.8945	94.4382	-366	PKC	3.9	0	10.4	0	1.3	0	0.373	0	3.218	0	8.618	0	2193	47	1.8
14229.4	10000	38.8945	94.4374	-365	PKC	3.6	0	10.5	0	1.3	0	0.345	0	2.882	0	8.365	0	2217	48	1.8
14229.3	10000	38.8945	94.4367	-362	PKC	3.4	0	10.2	0	1.3	0	0.302	-1	2.577	-1	8.544	0	2216	46	1.8
14229.2	10000	38.8945	94.4359	-360	PKC	3.1	0	10.6	0	1.3	0	0.295	-1	2.320	-1	7.873	0	2216	53	1.8
14229.1	10000	38.8945	94.4352	-358	PKC	2.9	-1	10.6	0	1.3	0	0.287	-1	2.226	-1	7.759	0	2213	38	1.8
14229.0	10000	38.8945	94.4344	-355	PKC	2.6	-1	10.6	0	1.3	0	0.288	-1	1.996	-2	6.928	-1	2200	42	1.8
14228.9	10000	38.8945	94.4336	-352	PKC	2.5	-1	10.1	0	1.3	0	0.261	-1	1.831	-2	7.019	-1	2166	65	1.8
14228.8	10000	38.8945	94.4329	-351	PKC	2.5	-1	9.9	0	1.3	0	0.257	-1	1.620	-2	6.833	-1	2153	50	1.8
14228.7	10000	38.8945	94.4321	-349	PKC	2.5	-1	9.9	0	1.3	0	0.256	-1	1.730	-2	6.746	-1	2138	38	1.8
14228.6	10000	38.8945	94.4314	-344	PKC	2.4	-1	9.8	0	1.3	0	0.247	-1	1.649	-2	6.662	-1	2132	45	1.8
14228.5	10000	38.8944	94.4306	-342	PKC	2.5	-1	9.8	0	1.3	0	0.258	-1	1.635	-2	6.834	-1	2122	51	1.8
14228.4	10000	38.8944	94.4298	-339	PKC	2.5	-1	9.8	0	1.3	0	0.249	-1	1.723	-2	6.675	-1	2111	45	1.8
14228.3	10000	38.8944	94.4291	-335	PKC	2.5	-1	9.8	0	1.3	0	0.255	-1	1.711	-2	6.863	-1	2110	55	1.8
14228.2	10000	38.8944	94.4283	-332	PKC	2.7	-1	9.9	0	1.3	0	0.275	-1	1.852	-2	6.730	-1	2124	51	1.8
14228.1	10000	38.8944	94.4276	-329	PKC	3.0	-1	9.5	0	1.5	1	0.312	-1	1.997	-2	6.400	-2	2121	55	1.8

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14228.0	10000	38.8944	94.4268	-326	PKC	2.9	-1	9.3	0	1.5	2	0.311	-1	1.975	-1	6.357	-2	2120	45	1.8
14227.9	10000	38.8944	94.4260	-322	PKC	3.2	0	9.5	0	1.5	2	0.342	0	2.194	-1	6.423	-2	2126	51	1.8
14227.8	10000	38.8944	94.4253	-320	PKC	3.4	0	9.4	0	1.4	2	0.358	0	2.319	-1	6.479	-1	2127	54	1.8
14227.7	10000	38.8944	94.4245	-317	PKC	3.3	0	9.3	0	1.4	2	0.360	0	2.385	-1	6.627	-1	2116	51	1.8
14227.6	10000	38.8944	94.4238	-312	PKC	3.3	0	9.7	0	1.4	1	0.342	0	2.441	-1	7.131	-1	2117	46	1.8
14227.5	10000	38.8944	94.4230	-310	PKC	3.3	0	9.4	0	1.4	1	0.347	0	2.370	-1	6.829	-1	2107	43	1.8
14227.4	10000	38.8944	94.4222	-307	PKC	3.4	0	9.8	0	1.4	1	0.346	0	2.445	-1	7.072	-1	2101	44	1.8
14227.3	10000	38.8944	94.4215	-302	PKC	3.2	0	9.8	0	1.4	1	0.328	0	2.324	-1	7.084	-1	2101	57	1.8
14227.2	10000	38.8944	94.4207	-299	PKC	3.0	-1	9.3	0	1.4	2	0.322	0	2.124	-1	6.600	-1	2085	41	1.8
14227.1	10000	38.8944	94.4200	-297	PKC	3.2	0	9.2	0	1.4	2	0.343	0	2.264	-1	6.592	-1	2079	59	1.8
14227.0	10000	38.8944	94.4192	-291	PKC	3.1	0	9.4	0	1.4	1	0.333	0	2.297	-1	6.894	-1	2081	37	1.8
14226.9	10000	38.8944	94.4184	-287	PKC	3.1	0	9.1	0	1.3	1	0.344	0	2.341	-1	6.799	-1	2079	59	1.8
14226.8	10000	38.8944	94.4177	-285	PKC	3.3	0	9.2	0	1.3	1	0.356	0	2.475	-1	6.949	-1	2095	51	1.8
14226.7	10000	38.8944	94.4169	-280	PKC	3.0	-1	9.4	0	1.3	1	0.313	-1	2.302	-1	7.355	-1	2102	45	1.8
14226.6	10000	38.8944	94.4162	-276	PKC	3.3	0	9.5	0	1.3	1	0.344	0	2.530	-1	7.360	-1	2105	45	1.8
14226.5	10000	38.8944	94.4154	-274	PKC	3.4	0	9.8	0	1.3	1	0.348	0	2.719	0	7.803	0	2111	44	1.8
14226.4	10000	38.8944	94.4146	-271	PKC	3.4	0	9.8	0	1.3	1	0.351	0	2.744	0	7.825	0	2124	45	1.8
14226.3	10000	38.8944	94.4139	-267	PKC	3.3	0	10.0	1	1.3	1	0.331	0	2.618	-1	7.910	0	2135	37	1.8
14226.2	10000	38.8944	94.4131	-264	PKC	3.5	0	10.0	1	1.3	1	0.350	0	2.676	0	7.652	-1	2143	51	1.8
14226.1	10000	38.8944	94.4124	-263	PKC	3.4	0	10.3	1	1.3	1	0.329	0	2.617	-1	7.952	0	2139	51	1.8
14226.0	10000	38.8944	94.4116	-261	PKC	3.5	0	10.0	1	1.3	1	0.346	0	2.686	0	7.763	0	2144	50	1.8
14225.9	10000	38.8943	94.4108	-259	PKC	3.4	0	10.1	1	1.2	1	0.337	0	2.739	0	8.120	0	2157	43	1.8
14225.8	10000	38.8943	94.4101	-258	PKC	3.5	0	9.8	0	1.2	1	0.355	0	2.799	0	7.879	0	2179	48	1.8
14225.7	10000	38.8943	94.4093	-257	PKC	3.3	0	9.8	0	1.2	1	0.336	0	2.676	0	7.971	0	2185	35	1.8
14225.6	10000	38.8943	94.4086	-255	PKC	3.5	0	9.8	0	1.3	1	0.358	0	2.760	0	7.717	0	2201	65	1.8
14225.5	10000	38.8943	94.4078	-255	PKC	3.5	0	10.0	1	1.3	1	0.352	0	2.709	0	7.699	-1	2221	34	1.8
14225.4	10000	38.8943	94.4070	-254	PKC	3.5	0	9.6	0	1.3	1	0.364	0	2.729	0	7.494	-1	2230	49	1.8
14225.3	10000	38.8943	94.4063	-253	PKC	3.6	0	9.7	0	1.3	1	0.371	0	2.744	0	7.406	-1	2236	49	1.8
14225.2	10000	38.8943	94.4055	-253	PKC	3.6	0	9.9	0	1.3	1	0.367	0	2.778	0	7.565	-1	2238	45	1.8
14225.1	10000	38.8943	94.4048	-253	PKC	3.6	0	9.9	0	1.3	1	0.365	0	2.836	0	7.778	0	2219	41	1.8
14225.0	10000	38.8943	94.4040	-251	PKC	3.7	0	10.0	1	1.3	1	0.376	0	2.919	0	7.773	0	2209	43	1.8
14224.9	10000	38.8943	94.4032	-250	PKC	3.5	0	9.8	0	1.3	1	0.354	0	2.769	0	7.822	0	2208	38	1.8
14224.8	10000	38.8943	94.4025	-251	PKC	3.6	0	9.8	0	1.3	1	0.371	0	3.012	0	8.119	0	2198	52	1.8
14224.7	10000	38.8943	94.4017	-250	PKC	3.5	0	10.4	1	1.3	1	0.334	0	2.873	0	8.594	0	2198	47	1.8
14224.6	10000	38.8943	94.4009	-249	PKC	3.4	0	10.2	1	1.3	1	0.335	0	2.920	0	8.726	0	2200	54	1.8
14224.5	10000	38.8943	94.4002	-247	PKC	3.4	0	10.3	1	1.3	1	0.327	0	2.805	0	8.570	0	2206	41	1.8
14224.4	10000	38.8943	94.3994	-247	PKC	3.2	0	10.9	1	1.3	1	0.297	0	2.665	0	8.970	0	2202	46	1.8
14224.3	10000	38.8943	94.3987	-244	PKC	3.0	0	10.8	1	1.3	1	0.283	0	2.514	0	8.869	0	2206	35	1.8
14224.2	10000	38.8943	94.3979	-243	PKC	3.2	0	10.9	1	1.3	1	0.292	0	2.710	1	9.273	0	2184	42	1.8
14224.1	10000	38.8943	94.3971	-242	PKC	3.1	0	10.3	1	1.3	1	0.298	0	2.549	0	8.566	0	2157	42	1.8
14224.0	10000	38.8943	94.3964	-238	PKC	3.2	0	10.5	1	1.3	1	0.310	0	2.667	0	8.592	0	2142	54	1.8
14223.9	10000	38.8943	94.3956	-234	PKC	3.2	0	10.3	1	1.3	1	0.321	0	2.631	0	8.189	0	2141	43	1.8
14223.8	10000	38.8943	94.3949	-235	PKC	3.2	0	9.7	0	1.3	1	0.330	0	2.562	0	7.776	0	2136	45	1.8
14223.7	10000	38.8943	94.3941	-232	PKC	3.3	0	9.4	0	1.3	1	0.346	0	2.578	-1	7.443	-1	2138	51	1.8
14223.6	10000	38.8942	94.3933	-229	PKC	3.5	0	9.9	0	1.3	1	0.386	0	2.744	-1	7.115	-1	2133	60	1.8
14223.5	10000	38.8942	94.3925	-226	PKC	3.6	0	9.9	0	1.3	1	0.404	0	2.756	-1	6.821	-1	2151	36	1.8
14223.4	10000	38.8942	94.3918	-221	PKC	3.6	0	9.9	0	1.3	1	0.390	0	2.767	-1	7.103	-1	2161	46	1.8
14223.3	10000	38.8942	94.3910	-216	PKC	3.6	0	9.9	0	1.3	1	0.390	0	2.712	-1	6.948	-1	2163	34	1.8
14223.2	10000	38.8942	94.3902	-214	PKC	3.4	0	9.4	0	1.3	1	0.361	0	2.595	-1	7.192	-1	2149	46	1.8
14223.1	10000	38.8942	94.3895	-211	PKC	3.5	0	9.4	0	1.3	1	0.375	0	2.672	-1	7.127	-1	2154	43	1.8
14223.0	10000	38.8942	94.3887	-207	PKC	3.5	0	9.4	0	1.4	1	0.379	0	2.544	-1	6.705	-1	2169	56	1.8
14222.9	10000	38.8942	94.3879	-204	PKC	3.5	0	9.8	0	1.4	1	0.362	0	2.536	-1	7.004	-1	2186	47	1.8

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14222.8	10000	38.8941	94.3871	-200	PKC	3.5	0	9.8	0	1.4	2	0.352	0	2.471	-1	7.027	-1	2173	48	1.8
14222.7	10000	38.8941	94.3864	-194	PKC	3.3	0	10.1	1	1.4	1	0.333	0	2.402	-1	7.222	-1	2161	60	1.8
14222.6	10000	38.8941	94.3856	-192	PKC	3.3	0	9.6	0	1.4	2	0.341	0	2.320	-1	6.804	-1	2160	43	1.8
14222.5	10000	38.8941	94.3848	-192	PKC	3.3	0	9.4	0	1.4	2	0.356	0	2.311	-1	6.483	-1	2170	37	1.8
14222.4	10000	38.8941	94.3840	-189	PKC	3.3	0	10.0	1	1.4	2	0.333	0	2.343	-1	7.035	-1	2151	51	1.8
14222.3	10000	38.8941	94.3833	-187	PKC	3.2	0	10.1	1	1.4	2	0.322	0	2.304	-1	7.158	-1	2122	51	1.8
14222.2	10000	38.8941	94.3825	-185	PKC	3.2	0	9.4	0	1.3	1	0.343	0	2.402	-1	7.006	-1	2085	64	1.8
14222.1	10000	38.8941	94.3817	-181	PKC	3.2	0	9.2	0	1.3	1	0.349	0	2.395	-1	6.855	-1	2053	51	1.8
14222.0	10000	38.8940	94.3809	-177	PKC	3.2	0	9.0	0	1.4	1	0.355	0	2.355	-1	6.624	-1	2047	44	1.8
14221.9	10000	38.8940	94.3802	-176	PKC	3.3	0	9.0	0	1.3	1	0.367	0	2.564	-1	6.979	-1	2017	43	1.8
14221.8	10000	38.8940	94.3794	-173	PKC	3.3	0	9.0	0	1.3	1	0.365	0	2.617	-1	7.174	-1	1993	56	1.8
14221.7	10000	38.8940	94.3786	-170	PKC	3.3	0	8.2	-1	1.2	1	0.399	0	2.630	0	6.598	-1	1976	44	1.8
14221.6	10000	38.8940	94.3778	-169	PKC	3.4	0	8.0	-1	1.2	0	0.425	1	2.804	0	6.595	-1	1976	46	1.8
14221.5	10000	38.8940	94.3771	-168	PKC	3.3	0	8.6	-1	1.3	1	0.378	0	2.570	-1	6.803	-1	2002	51	1.8
14221.4	10000	38.8940	94.3763	-168	PKC	3.0	-1	8.2	-1	1.3	1	0.360	0	2.313	-1	6.421	-2	2016	36	1.8
14221.3	10000	38.8939	94.3755	-167	PKC	3.1	0	8.3	-1	1.3	1	0.371	0	2.411	-1	6.498	-1	2017	46	1.8
14221.2	10000	38.8939	94.3747	-167	PKC	3.3	0	8.1	-1	1.3	1	0.404	1	2.526	-1	6.246	-2	2023	50	1.8
14221.1	10000	38.8939	94.3740	-165	PKC	3.3	0	8.4	-1	1.3	1	0.398	0	2.583	-1	6.495	-1	2032	42	1.8
14221.0	10000	38.8939	94.3732	-165	PKC	3.3	0	8.7	0	1.3	1	0.380	0	2.567	-1	6.765	-1	2044	58	1.8
14220.9	10000	38.8939	94.3724	-165	PKC	3.3	0	8.8	0	1.3	1	0.373	0	2.563	-1	6.876	-1	2043	33	1.8
14220.8	10000	38.8939	94.3717	-165	PKC	3.4	0	8.5	-1	1.2	1	0.396	0	2.691	0	6.786	-1	2041	49	1.8
14220.7	10000	38.8939	94.3709	-165	PKC	3.8	1	8.6	-1	1.2	1	0.444	1	3.067	0	6.902	-1	2053	53	1.8
14220.6	10000	38.8939	94.3701	-166	PKC	3.8	1	8.6	-1	1.2	1	0.444	1	3.118	0	7.020	-1	2075	59	1.8
14220.5	10000	38.8938	94.3693	-166	PKC	3.6	1	8.8	0	1.3	1	0.407	1	2.801	0	6.890	-1	2096	47	1.8
14220.4	10000	38.8938	94.3686	-164	PKC	3.7	1	8.8	0	1.2	1	0.427	1	3.054	0	7.152	-1	2101	47	1.8
14220.3	10000	38.8938	94.3678	-163	PKC	3.7	1	8.9	0	1.2	1	0.418	1	3.070	0	7.346	-1	2087	45	1.8
14220.2	10000	38.8938	94.3670	-162	PKC	3.7	1	9.1	0	1.2	0	0.405	1	3.030	0	7.491	-1	2083	42	1.8
14220.1	10000	38.8938	94.3662	-158	PKC	3.5	1	9.0	0	1.2	0	0.390	1	2.881	0	7.385	-1	2058	42	1.8
14220.0	10000	38.8938	94.3655	-156	PKC	3.3	0	9.2	0	1.2	0	0.356	0	2.740	0	7.703	0	2053	46	1.8
14219.9	10000	38.8938	94.3647	-159	PKC	3.4	0	9.3	0	1.2	0	0.361	0	2.747	0	7.604	-1	2039	43	1.8
14219.8	10000	38.8937	94.3639	-161	PKC	3.4	0	9.3	0	1.2	0	0.365	0	2.918	0	7.997	-1	2018	46	1.8
14219.7	10000	38.8937	94.3631	-161	PKC	3.4	0	9.1	0	1.2	0	0.371	0	2.740	0	7.391	-1	2006	50	1.8
14219.6	10000	38.8937	94.3624	-162	PKC	3.3	0	9.1	0	1.2	0	0.366	0	2.650	0	7.234	-1	1993	47	1.8
14219.5	10000	38.8937	94.3616	-164	PKC	3.2	0	9.1	0	1.2	0	0.353	0	2.584	0	7.315	-1	1998	51	1.8
14219.4	10000	38.8937	94.3608	-162	PKC	3.5	0	9.3	0	1.2	0	0.377	0	2.860	0	7.593	-1	2029	55	1.8
14219.3	10000	38.8937	94.3600	-161	PKC	3.6	0	9.5	0	1.2	0	0.383	0	2.101	0	8.106	-1	2033	42	1.8
14219.2	10000	38.8937	94.3593	-162	PKC	3.5	0	9.7	0	1.1	0	0.363	0	2.187	0	8.768	-1	2049	42	1.8
14219.1	10000	38.8937	94.3585	-161	PKC	3.5	0	10.2	1	1.2	0	0.340	0	2.010	0	8.861	-1	2075	45	1.8
14219.0	10000	38.8936	94.3577	-159	PKC	3.3	0	10.2	1	1.2	0	0.329	0	1.824	0	8.592	-1	2107	60	1.8
14218.9	10000	38.8936	94.3569	-161	PKC	3.6	0	10.4	1	1.2	0	0.349	0	2.038	0	8.709	-1	2144	34	1.8
14218.8	10000	38.8936	94.3562	-161	PKC	3.6	0	10.5	1	1.2	0	0.345	0	2.033	0	8.785	-1	2149	38	1.8
14218.7	10000	38.8936	94.3554	-159	PKC	3.4	0	10.5	1	1.2	0	0.312	0	1.754	0	8.824	-1	2147	42	1.7
14218.6	10000	38.8936	94.3546	-160	PKC	3.4	0	10.5	1	1.2	0	0.327	0	1.804	0	8.571	-1	2169	49	1.7
14218.5	10000	38.8936	94.3539	-159	PKC	3.6	0	10.5	1	1.2	0	0.352	0	1.825	0	8.019	-1	2182	44	1.7
14218.4	10000	38.8936	94.3531	-157	PKC	3.8	0	10.5	1	1.2	0	0.385	0	2.092	0	8.068	-1	2190	48	1.7
14218.3	10000	38.8936	94.3523	-156	PKC	3.8	0	10.4	0	1.2	0	0.368	0	2.226	0	8.763	-1	2180	41	1.7
14218.2	10000	38.8935	94.3515	-156	PKC	3.6	0	10.0	0	1.2	0	0.358	0	2.024	0	8.444	-1	2183	38	1.7
14218.1	10000	38.8935	94.3508	-154	PKC	3.6	0	9.8	0	1.2	0	0.365	0	2.089	0	7.916	-1	2183	54	1.7
14218.0	10000	38.8935	94.3500	-151	PKC	3.7	0	9.6	0	1.2	0	0.390	0	2.978	0	7.637	-1	2175	41	1.7
14217.9	10000	38.8935	94.3492	-150	PKC	3.5	0	9.1	0	1.3	0	0.383	0	2.742	0	7.150	-1	2166	46	1.7
14217.8	10000	38.8935	94.3484	-147	PKC	3.5	0	9.2	0	1.4	0	0.385	0	2.642	0	6.860	-1	2171	39	1.7
14217.7	10000	38.8935	94.3477	-145	PKC	3.3	0	9.2	1	1.4	1	0.359	0	2.397	-1	6.672	-1	2180	48	1.7

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14217.6	10000	38.8934	94.3469	-144	PKC	3.1	0	9.1	0	1.4	2	0.343	0	2.197	-1	6.410	-2	2177	53	1.7
14217.5	10000	38.8934	94.3461	-142	PKC	3.2	0	9.2	0	1.4	2	0.351	0	2.269	-1	6.457	-1	2173	43	1.7
14217.4	10000	38.8934	94.3453	-138	PKC	3.3	0	9.3	0	1.4	1	0.353	0	2.396	-1	6.796	-1	2184	47	1.7
14217.3	10000	38.8934	94.3446	-136	PKC	3.3	0	9.4	0	1.4	1	0.352	0	2.434	-1	6.908	-1	2202	46	1.7
14217.2	10000	38.8934	94.3438	-134	PKC	3.5	0	9.6	0	1.4	2	0.362	0	2.417	-1	6.683	-1	2198	50	1.7
14217.1	10000	38.8934	94.3430	-129	PKC	3.3	0	9.2	0	1.3	1	0.360	0	2.456	-1	6.821	-1	2176	46	1.7
14217.0	10000	38.8934	94.3423	-125	PKC	3.3	0	9.3	0	1.3	1	0.358	0	2.517	-1	7.030	-1	2172	43	1.7
14216.9	10000	38.8934	94.3415	-122	PKC	3.4	0	9.6	0	1.3	1	0.353	0	2.593	-1	7.347	-1	2164	31	1.7
14216.8	10000	38.8933	94.3407	-116	PKC	3.4	0	9.8	0	1.3	1	0.345	0	2.598	-1	7.534	-1	2178	39	1.7
14216.7	10000	38.8933	94.3399	-110	PKC	3.4	0	9.6	0	1.3	1	0.357	0	2.607	-1	7.312	-1	2171	52	1.8
14216.6	10000	38.8933	94.3392	-107	PKC	3.4	0	9.5	0	1.3	1	0.360	0	2.585	-1	7.189	-1	2165	58	1.8
14216.5	10000	38.8933	94.3384	-103	PKC	3.4	0	9.8	0	1.3	1	0.347	0	2.638	0	7.607	-1	2161	35	1.8
14216.4	10000	38.8933	94.3376	-98	PKC	3.4	0	10.0	1	1.4	1	0.340	0	2.503	-1	7.371	-1	2163	36	1.8
14216.3	10000	38.8933	94.3368	-95	PKC	3.5	0	10.1	1	1.4	1	0.342	0	2.543	-1	7.436	-1	2161	43	1.8
14216.2	10000	38.8933	94.3361	-91	PKC	3.5	0	9.8	0	1.3	1	0.354	0	2.579	-1	7.293	-1	2182	53	1.8
14216.1	10000	38.8932	94.3353	-86	PKC	3.5	0	9.8	0	1.3	1	0.357	0	2.637	0	7.382	-1	2175	48	1.8
14216.0	10000	38.8932	94.3345	-82	PKC	3.6	1	10.1	1	1.3	1	0.361	0	2.811	0	7.778	0	2178	39	1.8
14215.9	10000	38.8932	94.3337	-78	PKC	3.6	0	10.2	1	1.3	1	0.349	0	2.734	0	7.827	0	2173	54	1.8
14215.8	10000	38.8932	94.3330	-72	PKC	3.7	1	10.1	1	1.3	1	0.363	0	2.914	0	8.037	0	2150	45	1.8
14215.7	10000	38.8932	94.3322	-67	PKC	3.6	1	10.2	1	1.2	1	0.356	0	2.956	0	8.305	0	2125	44	1.8
14215.6	10000	38.8932	94.3314	-62	PKC	3.7	1	9.5	0	1.2	0	0.389	0	3.032	0	7.794	0	2104	44	1.8
14215.5	10000	38.8932	94.3306	-55	PKC	3.7	1	9.3	0	1.3	1	0.400	1	2.970	0	7.426	-1	2076	47	1.8
14215.4	10000	38.8932	94.3299	-49	PKC	3.4	0	9.0	0	1.3	1	0.382	0	2.727	0	7.142	-1	2068	46	1.8
14215.3	10000	38.8931	94.3291	-43	PKC	3.5	0	8.9	0	1.3	1	0.390	0	2.614	-1	6.710	-1	2065	41	1.8
14215.2	10000	38.8931	94.3283	-35	PKC	3.5	0	8.4	-1	1.3	1	0.417	1	2.705	0	6.483	-1	2045	36	1.8
14215.1	10000	38.8931	94.3275	-29	PKC	3.4	0	8.3	-1	1.3	1	0.415	1	2.549	-1	6.148	-2	2070	43	1.8
14215.0	10000	38.8931	94.3268	-23	PKC	3.5	0	8.2	-1	1.4	1	0.428	1	2.556	-1	5.970	-2	2089	54	1.8
14214.9	10000	38.8931	94.3260	-15	PKC	3.3	0	8.4	-1	1.4	1	0.388	0	2.358	-1	6.082	-2	2097	42	1.8
14214.8	10000	38.8931	94.3252	-10	PKC	3.1	0	8.6	-1	1.4	1	0.359	0	2.261	-1	6.301	-2	2106	27	1.8
14214.7	10000	38.8931	94.3244	-6	PKC	3.4	0	8.8	-1	1.4	1	0.380	0	2.427	-1	6.393	-2	2112	30	1.8
14214.6	10000	38.8930	94.3237	1	PKC	3.4	0	8.8	-1	1.3	1	0.389	0	2.498	-1	6.422	-2	2105	49	1.8
14214.5	10000	38.8930	94.3229	6	PKC	3.3	0	8.9	-1	1.3	1	0.365	0	2.478	-1	6.782	-1	2108	47	1.8
14214.4	10000	38.8930	94.3221	8	PKC	3.2	0	8.8	-1	1.3	1	0.359	0	2.380	-1	6.621	-1	2094	41	1.8
14214.3	10000	38.8930	94.3214	13	PKC	3.3	0	8.8	-1	1.3	1	0.362	0	2.589	-1	7.142	-1	2098	43	1.8
14214.2	10000	38.8930	94.3206	18	PKC	3.3	0	8.6	-1	1.3	1	0.366	0	2.572	-1	7.023	-1	2088	38	1.8
14214.1	10000	38.8930	94.3198	20	PKC	3.5	0	8.8	-1	1.3	1	0.398	0	2.657	-1	6.674	-1	2076	45	1.8
14214.0	10000	38.8930	94.3190	23	PKC	3.3	0	8.8	-1	1.3	1	0.395	0	2.567	-1	6.491	-1	2027	55	1.8
14213.9	10000	38.8930	94.3183	27	PKC	3.2	0	8.8	-1	1.2	1	0.398	0	2.668	-1	6.710	-1	1927	41	1.8
14213.8	10000	38.8929	94.3175	28	PKC	3.1	0	8.8	-1	1.1	1	0.440	1	2.803	-1	6.367	-2	1790	50	1.9
14213.7	10000	38.8929	94.3167	30	PKC	2.8	0	8.8	-1	0.9	1	0.428	1	2.909	-1	6.800	-1	1675	57	1.9
14213.6	10000	38.8929	94.3159	32	PKC	2.6	0	8.8	-1	0.9	1	0.452	1	2.808	-1	6.215	-2	1613	44	1.9
14213.5	10000	38.8929	94.3152	32	PKC	2.7	0	8.8	-1	0.9	1	0.453	1	2.989	-1	6.592	-1	1600	39	1.9
14213.4	10000	38.8929	94.3144	32	PKC	2.7	0	8.8	-1	0.9	1	0.451	1	2.237	-1	7.183	-1	1598	44	1.9
14213.3	10000	38.8929	94.3136	34	PKC	2.7	0	8.8	-1	0.9	1	0.443	1	2.253	-1	7.350	-1	1619	50	1.9
14213.2	10000	38.8929	94.3129	34	PKC	2.6	0	8.8	-1	0.9	1	0.396	1	2.826	-1	7.129	-1	1713	39	1.9
14213.1	10000	38.8928	94.3121	33	PKC	2.7	0	8.8	-1	1.0	1	0.345	1	2.628	-1	7.666	-1	1866	47	1.9
14213.0	10000	38.8928	94.3113	33	PKC	2.9	1	8.8	-1	1.1	1	0.335	1	2.563	-1	7.420	-1	2000	53	1.9
14212.9	10000	38.8928	94.3105	34	PKC	3.1	1	8.5	-1	1.2	1	0.360	1	2.657	-1	7.676	-1	2074	50	1.9
14212.8	10000	38.8928	94.3098	33	PKC	3.3	1	8.8	-1	1.3	1	0.373	1	2.532	-1	7.377	-1	2116	38	1.9
14212.7	10000	38.8928	94.3090	32	PKC	3.5	1	9.1	-1	1.4	1	0.385	1	2.672	-1	7.175	-1	2142	51	1.9
14212.6	10000	38.8928	94.3082	34	PKC	3.7	1	9.4	-1	1.4	1	0.393	1	2.680	-1	7.163	-1	2187	53	1.9
14212.5	10000	38.8928	94.3074	33	PKC	3.7	1	9.6	-1	1.4	1	0.385	1	2.672	-1	6.959	-1	2213	46	1.9

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14212.4	10000	38.8927	94.3067	32	PKC	3.8	1	9.0	0	1.4	1	0.420	1	2.746	0	6.537	-1	2217	45	1.9
14212.3	10000	38.8927	94.3059	33	PKC	4.0	1	9.2	0	1.3	1	0.428	1	2.956	0	6.901	-1	2220	31	1.9
14212.2	10000	38.8927	94.3051	33	PKC	4.2	2	9.1	0	1.3	1	0.469	1	3.301	0	7.041	-1	2210	52	1.9
14212.1	10000	38.8927	94.3043	32	PKC	4.3	2	9.4	0	1.3	1	0.458	1	3.386	1	7.388	-1	2206	42	1.9
14212.0	10000	38.8927	94.3036	32	PKC	4.4	2	9.4	0	1.2	0	0.465	1	3.607	1	7.764	0	2188	52	1.9
14211.9	10000	38.8927	94.3028	34	PKC	3.9	1	9.7	0	1.2	0	0.407	1	3.248	0	7.978	0	2173	52	1.9
14211.8	10000	38.8927	94.3020	34	PKC	4.0	1	9.7	0	1.1	0	0.410	1	3.475	1	8.468	0	2154	59	1.9
14211.7	10000	38.8927	94.3013	34	PKC	3.8	1	10.0	1	1.1	0	0.381	0	3.320	0	8.719	0	2151	62	1.9
14211.6	10000	38.8927	94.3006	37	PKC	3.6	1	9.6	0	1.1	0	0.377	0	3.127	0	8.295	0	2157	47	1.9
14211.5	10000	38.8927	94.2998	37	PKC	3.3	0	10.2	1	1.2	0	0.322	0	2.825	0	8.779	0	2165	45	1.9
14211.4	10000	38.8926	94.2991	36	PKC	2.7	-1	10.1	1	1.2	0	0.271	-1	2.359	-1	8.708	0	2158	54	1.9
14211.3	10000	38.8926	94.2984	36	PKC	2.7	-1	10.3	1	1.2	0	0.267	-1	2.330	-1	8.732	0	2160	43	1.9
14211.2	10000	38.8926	94.2976	37	PKC	3.1	0	10.0	1	1.1	0	0.312	-1	2.800	0	8.964	0	2176	52	1.9
14211.1	10000	38.8926	94.2969	34	PKC	3.3	0	9.8	0	1.1	0	0.333	0	2.895	0	8.680	0	2194	36	2.0
14211.0	10000	38.8926	94.2962	34	PKC	3.4	0	9.7	0	1.1	0	0.355	0	3.082	0	8.676	0	2199	59	2.0
14210.9	10000	38.8926	94.2954	35	PKC	3.6	0	10.1	1	1.1	0	0.352	0	3.148	0	8.933	0	2207	56	2.0
14210.8	10000	38.8926	94.2947	33	PKC	3.5	0	9.4	0	1.2	0	0.375	0	2.906	0	7.743	0	2206	46	2.0
14210.7	10000	38.8926	94.2940	31	PKC	4.0	1	9.1	0	1.2	1	0.439	1	3.219	0	7.331	-1	2205	45	2.0
14210.6	10000	38.8926	94.2932	31	PKC	4.0	1	8.8	0	1.3	1	0.454	1	3.169	0	6.978	-1	2221	36	2.0
14210.5	10000	38.8926	94.2925	31	PKC	3.7	1	8.8	0	1.3	1	0.424	1	2.774	0	6.539	-1	2207	42	2.0
14210.4	10000	38.8926	94.2918	29	PKC	3.6	0	9.0	0	1.4	1	0.394	0	2.637	0	6.689	-1	2208	49	2.0
14210.3	10000	38.8926	94.2910	28	PKC	3.6	0	9.4	0	1.4	1	0.389	0	2.629	-1	6.765	-1	2211	48	2.0
14210.2	10000	38.8926	94.2903	29	PKC	3.6	0	9.1	0	1.3	1	0.393	0	2.679	0	6.817	-1	2189	53	2.0
14210.1	10000	38.8926	94.2896	27	PKC	3.6	0	9.2	0	1.3	1	0.391	0	2.755	0	7.047	-1	2175	48	2.0
14210.0	10000	38.8926	94.2888	26	PKC	3.4	0	9.7	0	1.3	1	0.351	0	2.673	0	7.618	-1	2172	56	2.0
14209.9	10000	38.8926	94.2881	27	PKC	3.7	1	9.7	0	1.3	1	0.381	0	2.730	0	7.985	-1	2167	38	2.0
14209.8	10000	38.8926	94.2874	26	PKC	3.7	1	9.4	0	1.3	1	0.393	0	2.920	0	7.757	-1	2167	54	2.0
14209.7	10000	38.8926	94.2867	25	PKC	3.9	1	9.3	0	1.3	1	0.420	0	3.002	0	8.045	-1	2169	44	2.0
14209.6	10000	38.8926	94.2859	26	PKC	3.7	1	9.3	0	1.3	1	0.397	0	2.906	0	8.219	-1	2139	42	2.0
14209.5	10000	38.8926	94.2852	26	PKC	3.6	1	9.4	0	1.3	1	0.385	0	2.850	0	7.797	-1	2137	56	2.0
14209.4	10000	38.8926	94.2845	24	PKC	3.4	1	9.3	0	1.3	1	0.364	0	2.641	0	7.826	-1	2151	48	2.0
14209.3	10000	38.8926	94.2837	25	PKC	3.4	1	9.3	0	1.3	1	0.365	0	2.554	0	7.314	-1	2138	47	2.0
14209.2	10000	38.8926	94.2830	26	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.713	0	7.639	-1	2132	42	2.0
14209.1	10000	38.8926	94.2823	25	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.761	0	8.139	-1	2106	50	2.0
14209.0	10000	38.8926	94.2815	25	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.835	0	8.157	-1	2088	40	2.0
14208.9	10000	38.8926	94.2808	26	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.959	0	7.848	-1	2096	42	2.0
14208.8	10000	38.8926	94.2801	25	PKC	3.6	1	9.3	0	1.3	1	0.387	0	3.020	0	8.171	-1	2085	40	2.0
14208.7	10000	38.8926	94.2793	25	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.909	0	8.210	-1	2060	46	2.0
14208.6	10000	38.8926	94.2786	25	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.943	0	8.210	-1	2055	62	2.0
14208.5	10000	38.8926	94.2779	26	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.754	0	7.664	-1	2045	43	2.0
14208.4	10000	38.8926	94.2771	26	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.569	0	7.556	-1	2060	49	2.0
14208.3	10000	38.8925	94.2764	27	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.290	0	6.980	-1	2056	38	2.0
14208.2	10000	38.8925	94.2757	30	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.197	0	7.040	-1	2055	46	2.0
14208.1	10000	38.8925	94.2749	32	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.024	0	6.842	-1	2047	39	2.0
14208.0	10000	38.8925	94.2742	34	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.178	0	6.446	-1	2054	46	2.0
14207.9	10000	38.8925	94.2735	39	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.064	0	6.506	-1	2049	37	2.0
14207.8	10000	38.8925	94.2728	42	PKC	3.6	1	9.3	0	1.3	1	0.387	0	1.962	0	6.568	-1	2042	53	2.0
14207.7	10000	38.8925	94.2720	45	PKC	3.6	1	9.3	0	1.3	1	0.387	0	1.937	0	6.645	-1	2028	45	2.0
14207.6	10000	38.8925	94.2713	49	PKC	3.6	1	9.3	0	1.3	1	0.387	0	1.997	0	6.738	-1	2023	48	2.0
14207.5	10000	38.8925	94.2706	53	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.014	0	6.937	-1	2014	41	2.0
14207.4	10000	38.8925	94.2698	56	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.264	0	6.902	-1	2004	57	2.0
14207.3	10000	38.8925	94.2691	59	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.297	0	7.202	-1	1981	44	1.9

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14207.2	10000	38.8925	94.2684	64	PKC	3.2	0	8.6	-1	1.2	0	0.373	0	2.724	0	7.300	-1	1964	48	1.9
14207.1	10000	38.8925	94.2676	67	PKC	3.2	0	8.4	-1	1.2	0	0.383	0	2.757	0	7.195	-1	1955	45	1.9
14207.0	10000	38.8925	94.2669	71	PKC	3.5	0	7.8	-1	1.2	0	0.449	1	3.022	0	6.731	-1	1927	46	1.9
14206.9	10000	38.8925	94.2662	75	PKC	3.6	1	7.6	-1	1.1	0	0.472	1	3.292	0	6.970	-1	1909	45	1.9
14206.8	10000	38.8925	94.2654	78	PKC	3.7	1	7.5	-1	1.0	-1	0.488	2	3.545	1	7.265	-1	1876	58	1.9
14206.7	10000	38.8925	94.2647	84	PKC	3.5	0	7.3	-2	1.0	-1	0.473	1	3.367	1	7.121	-1	1882	41	1.9
14206.6	10000	38.8925	94.2640	91	PKC	3.6	0	7.2	-2	1.0	-1	0.498	2	3.461	1	6.957	-1	1889	42	1.9
14206.5	10000	38.8925	94.2632	91	PKC	3.4	0	7.3	-2	1.0	-1	0.461	1	3.274	0	7.100	-1	1909	55	1.9
14206.4	10000	38.8925	94.2625	91	PKC	3.5	0	7.5	-1	1.0	-1	0.470	1	3.422	1	7.276	-1	1918	45	1.9
14206.3	10000	38.8925	94.2618	95	PKC	3.3	0	8.0	-1	1.0	0	0.407	1	3.116	0	7.654	-1	1952	41	1.9
14206.2	10000	38.8925	94.2610	99	PKC	3.2	0	8.4	-1	1.1	0	0.378	0	2.909	0	7.691	-1	1989	53	1.9
14206.1	10000	38.8925	94.2603	101	PKC	3.1	0	8.3	-1	1.2	0	0.377	0	2.610	-1	6.918	-1	2038	45	1.9
14206.0	10000	38.8925	94.2596	104	PKC	3.2	0	8.6	-1	1.2	0	0.372	0	2.622	-1	7.043	-1	2047	46	1.9
14205.9	10000	38.8925	94.2589	106	PKC	3.4	0	8.8	0	1.2	0	0.384	0	2.787	0	7.260	-1	2051	46	1.9
14205.8	10000	38.8925	94.2581	108	PKC	3.5	0	8.8	0	1.2	1	0.393	0	2.836	0	7.208	-1	2049	46	1.9
14205.7	10000	38.8925	94.2574	111	PKC	3.4	0	8.5	-1	1.2	1	0.399	0	2.753	0	6.903	-1	2042	42	1.9
14205.6	10000	38.8925	94.2567	114	PKC	3.6	0	8.5	-1	1.2	0	0.419	1	2.921	0	6.980	-1	2021	50	1.9
14205.5	10000	38.8924	94.2559	116	PKC	3.5	0	8.1	-1	1.2	0	0.436	1	2.935	0	6.736	-1	1974	41	1.9
14205.4	10000	38.8924	94.2552	119	PKC	3.5	0	7.7	-1	1.1	0	0.451	1	3.117	0	6.909	-1	1914	43	1.9
14205.3	10000	38.8925	94.2545	121	PKC	3.5	0	7.6	-1	1.1	0	0.467	1	3.232	0	6.915	-1	1878	37	1.9
14205.2	10000	38.8924	94.2537	121	PKC	3.3	0	7.3	-2	1.1	0	0.453	1	3.131	0	6.906	-1	1857	58	1.9
14205.1	10000	38.8924	94.2530	119	PKC	3.2	0	7.5	-1	1.0	-1	0.431	1	3.213	0	7.459	-1	1848	50	1.9
14205.0	10000	38.8924	94.2523	119	PKC	3.4	0	7.7	-1	1.0	-1	0.447	1	3.432	1	7.686	-1	1862	38	1.9
14204.9	10000	38.8924	94.2515	118	PKC	3.3	0	7.7	-1	1.0	-1	0.433	1	3.171	0	7.328	-1	1874	51	1.9
14204.8	10000	38.8924	94.2508	115	PKC	3.6	1	7.5	-1	1.1	0	0.474	1	3.256	0	6.863	-1	1915	44	1.9
14204.7	10000	38.8924	94.2501	114	PKC	3.7	1	7.9	-1	1.2	0	0.463	1	3.141	0	6.789	-1	1975	52	1.9
14204.6	10000	38.8924	94.2493	114	PKC	3.4	0	8.2	-1	1.2	0	0.421	1	2.869	0	6.816	-1	2035	46	1.8
14204.5	10000	38.8924	94.2486	113	PKC	3.6	0	8.6	-1	1.3	1	0.414	1	2.763	0	6.667	-1	2095	50	1.8
14204.4	10000	38.8924	94.2479	110	PKC	3.4	0	8.1	-1	1.4	1	0.424	1	2.468	-1	5.818	-2	2142	37	1.8
14204.3	10000	38.8924	94.2471	108	PKC	3.4	0	8.6	-1	1.4	2	0.399	1	2.367	-1	5.933	-2	2165	43	1.8
14204.2	10000	38.8924	94.2464	105	PKC	3.5	0	8.8	0	1.4	1	0.424	1	2.571	-1	6.058	-2	2200	43	1.8
14204.1	10000	38.8924	94.2457	101	PKC	3.4	0	8.8	0	1.4	0	0.383	1	2.422	-1	6.318	-2	2211	25	1.8
14204.0	10000	38.8924	94.2449	98	PKC	3.4	0	8.9	0	1.3	0	0.386	1	2.601	-1	6.733	-1	2219	42	1.8
14203.9	10000	38.8924	94.2442	96	PKC	3.6	0	9.2	0	1.3	0	0.389	1	2.685	-1	6.910	-1	2216	50	1.8
14203.8	10000	38.8924	94.2435	93	PKC	3.6	0	9.0	0	1.2	0	0.400	1	2.908	-1	7.269	-1	2198	44	1.8
14203.7	10000	38.8924	94.2428	90	PKC	3.6	0	9.4	0	1.2	0	0.429	1	3.344	-1	7.788	0	2193	45	1.8
14203.6	10000	38.8924	94.2420	88	PKC	3.6	0	9.3	0	1.2	0	0.437	1	3.422	-1	7.824	0	2202	52	1.8
14203.5	10000	38.8924	94.2413	88	PKC	3.6	0	9.7	0	1.2	0	0.426	1	3.302	-1	7.748	0	2204	48	1.8
14203.4	10000	38.8924	94.2406	86	PKC	3.6	0	10.0	0	1.2	0	0.403	1	3.241	-1	8.050	0	2211	49	1.8
14203.3	10000	38.8924	94.2398	84	PKC	3.6	0	9.9	0	1.3	0	0.383	1	2.889	-1	7.550	-1	2214	40	1.8
14203.2	10000	38.8924	94.2391	83	PKC	3.6	0	9.5	0	1.4	0	0.411	1	2.863	-1	6.961	-1	2220	52	1.8
14203.1	10000	38.8924	94.2384	81	PKC	3.6	0	9.6	0	1.4	0	0.392	1	2.705	-1	6.904	-1	2221	44	1.8
14203.0	10000	38.8924	94.2376	78	PKC	3.6	0	9.6	0	1.4	0	0.364	1	2.543	-1	6.979	-1	2217	51	1.8
14202.9	10000	38.8924	94.2369	77	PKC	3.6	0	9.4	0	1.4	0	0.352	1	2.327	-1	6.613	-1	2217	46	1.8
14202.8	10000	38.8924	94.2362	75	PKC	3.6	0	9.5	0	1.4	0	0.349	1	2.350	-1	6.733	-1	2230	52	1.8
14202.7	10000	38.8924	94.2354	73	PKC	3.6	0	9.5	0	1.4	0	0.367	1	2.508	-1	6.839	-1	2229	67	1.8
14202.6	10000	38.8924	94.2347	72	PKC	3.6	0	9.4	0	1.4	0	0.368	1	2.544	-1	6.920	-1	2229	43	1.8
14202.5	10000	38.8923	94.2340	72	PKC	3.6	0	9.7	0	1.3	0	0.352	1	2.624	-1	7.459	-1	2203	41	1.8
14202.4	10000	38.8923	94.2332	70	PKC	3.5	0	10.1	0	1.3	0	0.344	1	2.611	-1	7.596	-1	2197	43	1.8
14202.3	10000	38.8923	94.2325	66	PKC	3.4	0	10.1	0	1.3	0	0.316	1	2.411	-1	7.621	-1	2176	48	1.7
14202.2	10000	38.8923	94.2318	65	PKC	3.4	0	10.2	0	1.3	0	0.333	1	2.597	-1	7.794	0	2162	41	1.7
14202.1	10000	38.8923	94.2310	64	PKC	3.3	0	10.0	0	1.3	1	0.327	0	2.551	-1	7.803	0	2147	44	1.7

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14202.0	10000	38.8923	94.2303	61	PKC	3.2	0	9.9	0	1.3	1	0.321	0	2.511	-1	7.825	0	2146	39	1.7
14201.9	10000	38.8923	94.2296	60	PKC	3.3	0	9.7	0	1.2	1	0.339	0	2.673	0	7.879	0	2143	47	1.7
14201.8	10000	38.8923	94.2289	59	PKC	3.6	1	10.3	1	1.3	1	0.352	0	2.808	0	7.979	0	2172	52	1.7
14201.7	10000	38.8923	94.2281	56	PKC	3.3	0	10.3	1	1.3	1	0.326	0	2.641	0	8.101	0	2183	36	1.7
14201.6	10000	38.8923	94.2274	55	PKC	3.7	1	10.2	1	1.3	1	0.361	0	2.855	0	7.904	0	2202	43	1.7
14201.5	10000	38.8923	94.2267	54	PKC	3.5	0	10.3	1	1.3	1	0.337	0	2.657	0	7.880	0	2193	44	1.7
14201.4	10000	38.8923	94.2259	52	PKC	3.4	0	10.5	1	1.4	1	0.324	0	2.449	-1	7.567	-1	2191	51	1.7
14201.3	10000	38.8923	94.2252	50	PKC	3.2	0	10.1	1	1.4	1	0.316	-1	2.280	-1	7.216	-1	2178	45	1.7
14201.2	10000	38.8923	94.2245	50	PKC	3.3	0	10.0	1	1.4	2	0.329	0	2.272	-1	6.911	-1	2180	52	1.7
14201.1	10000	38.8923	94.2237	49	PKC	3.1	0	9.8	0	1.4	2	0.312	-1	2.144	-1	6.880	-1	2163	51	1.7
14201.0	10000	38.8923	94.2230	47	PKC	3.3	0	9.6	0	1.4	2	0.339	0	2.247	-1	6.632	-1	2153	56	1.7
14200.9	10000	38.8923	94.2223	46	PKC	3.0	0	9.9	0	1.4	2	0.307	-1	2.153	-1	7.024	-1	2131	40	1.7
14200.8	10000	38.8923	94.2215	46	PKC	3.0	0	10.1	1	1.4	1	0.301	-1	2.209	-1	7.351	-1	2131	47	1.7
14200.7	10000	38.8923	94.2208	45	PKC	3.3	0	9.7	0	1.3	1	0.342	0	2.505	-1	7.329	-1	2131	40	1.7
14200.6	10000	38.8923	94.2201	44	PKC	3.5	0	9.7	0	1.3	1	0.360	0	2.612	-1	7.256	-1	2141	49	1.7
14200.5	10000	38.8923	94.2193	45	PKC	3.3	0	9.7	0	1.3	1	0.344	0	2.588	-1	7.532	-1	2131	46	1.7
14200.4	10000	38.8923	94.2186	45	PKC	3.3	0	9.5	0	1.3	1	0.346	0	2.566	-1	7.413	-1	2137	39	1.7
14200.3	10000	38.8923	94.2178	44	PKC	3.4	0	9.6	0	1.3	1	0.352	0	2.594	-1	7.363	-1	2147	46	1.7
14200.2	10000	38.8923	94.2171	43	PKC	3.5	0	9.6	0	1.3	1	0.370	0	2.720	0	7.350	-1	2160	44	1.7
14200.1	10000	38.8923	94.2163	45	PKC	3.6	0	8.9	0	1.3	1	0.400	1	2.770	0	6.917	-1	2166	55	1.7
14200.0	10000	38.8923	94.2156	46	PKC	3.8	1	9.2	0	1.3	1	0.414	1	2.991	0	7.226	-1	2169	49	1.7
14199.9	10000	38.8923	94.2148	46	PKC	3.8	1	9.4	0	1.3	1	0.406	1	3.021	0	7.448	-1	2170	51	1.7
14199.8	10000	38.8923	94.2141	47	PKC	3.7	1	9.4	0	1.3	1	0.388	0	2.913	0	7.501	-1	2170	42	1.7
14199.7	10000	38.8922	94.2133	47	PKC	3.9	1	9.4	0	1.3	1	0.409	1	3.071	0	7.502	-1	2176	53	1.7
14199.6	10000	38.8922	94.2126	48	PKC	3.7	1	9.4	0	1.2	0	0.397	0	3.084	0	7.764	0	2170	41	1.7
14199.5	10000	38.8922	94.2118	50	PKC	3.8	1	9.6	0	1.3	1	0.390	0	2.932	0	7.516	-1	2181	44	1.7
14199.4	10000	38.8922	94.2111	51	PKC	3.6	1	9.4	0	1.3	1	0.407	1	3.085	0	7.574	-1	2190	46	1.7
14199.3	10000	38.8922	94.2103	52	PKC	3.6	1	9.4	0	1.3	1	0.369	0	2.793	0	7.579	-1	2194	44	1.7
14199.2	10000	38.8922	94.2095	54	PKC	3.6	1	9.4	0	1.3	1	0.365	0	2.744	0	7.510	-1	2207	50	1.7
14199.1	10000	38.8922	94.2088	56	PKC	3.6	1	9.5	0	1.3	1	0.389	0	2.786	0	7.162	-1	2216	50	1.7
14199.0	10000	38.8922	94.2080	57	PKC	3.6	1	9.6	0	1.3	1	0.367	0	2.629	-1	7.157	-1	2203	50	1.7
14198.9	10000	38.8922	94.2073	59	PKC	3.7	1	9.4	0	1.4	1	0.392	0	2.686	0	6.843	-1	2197	50	1.7
14198.8	10000	38.8922	94.2065	62	PKC	3.8	1	9.5	0	1.4	1	0.431	1	2.817	0	6.529	-1	2197	48	1.7
14198.7	10000	38.8922	94.2058	63	PKC	3.7	1	9.5	0	1.4	1	0.407	1	2.797	0	6.874	-1	2190	50	1.7
14198.6	10000	38.8922	94.2050	64	PKC	3.7	1	9.5	0	1.4	1	0.389	0	2.634	0	6.780	-1	2178	49	1.7
14198.5	10000	38.8922	94.2043	68	PKC	3.9	1	9.6	0	1.4	1	0.401	1	2.795	0	6.974	-1	2162	44	1.7
14198.4	10000	38.8922	94.2035	70	PKC	3.8	1	9.6	0	1.3	1	0.423	1	3.051	0	7.210	-1	2152	41	1.7
14198.3	10000	38.8922	94.2028	71	PKC	3.8	1	9.5	0	1.3	1	0.440	1	3.183	0	7.231	-1	2146	43	1.7
14198.2	10000	38.8922	94.2020	73	PKC	3.8	1	9.4	0	1.3	1	0.446	1	3.332	0	7.466	-1	2127	48	1.7
14198.1	10000	38.8922	94.2013	74	PKC	3.8	1	9.3	0	1.2	1	0.448	1	3.410	0	7.615	-1	2113	41	1.7
14198.0	10000	38.8922	94.2005	75	PKC	3.8	1	9.3	0	1.2	1	0.503	1	3.654	0	7.260	-1	2093	43	1.7
14197.9	10000	38.8922	94.1998	77	PKC	3.8	1	9.4	0	1.1	1	0.538	1	4.052	0	7.529	-1	2080	47	1.7
14197.8	10000	38.8922	94.1990	79	PKC	3.8	1	9.3	0	1.1	1	0.539	1	4.084	0	7.573	-1	2062	41	1.7
14197.7	10000	38.8922	94.1982	79	PKC	3.8	1	9.3	0	1.1	1	0.527	1	4.116	0	7.810	0	2049	51	1.7
14197.6	10000	38.8922	94.1975	78	PKC	3.8	1	9.3	0	1.1	1	0.546	1	4.176	0	7.642	-1	2046	46	1.7
14197.5	10000	38.8922	94.1967	79	PKC	3.8	1	9.3	0	1.1	1	0.536	1	3.921	0	7.309	-1	2056	42	1.7
14197.4	10000	38.8922	94.1960	77	PKC	3.8	1	9.3	0	1.1	1	0.483	0	3.690	0	7.635	-1	2050	48	1.7
14197.3	10000	38.8922	94.1952	76	PKC	3.8	1	9.3	0	1.1	1	0.440	0	3.421	0	7.783	0	2052	34	1.7
14197.2	10000	38.8921	94.1945	75	PKC	3.8	1	9.3	0	1.1	1	0.467	0	3.478	0	7.454	-1	2052	49	1.7
14197.1	10000	38.8921	94.1937	73	PKC	3.8	1	9.3	0	1.1	1	0.485	0	3.573	0	7.366	-1	2063	54	1.7
14197.0	10000	38.8922	94.1930	70	PKC	3.8	1	9.3	0	1.1	2	0.455	0	3.320	0	7.300	-1	2066	43	1.7
14196.9	10000	38.8922	94.1922	67	PKC	3.8	1	9.3	0	1.2	1	0.454	0	3.282	0	7.221	-1	2058	49	1.7

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14196.8	10000	38.8921	94.1915	64	PKC	3.9	1	8.2	-1	1.1	0	0.476	1	3.473	1	7.303	-1	2048	53	1.7
14196.7	10000	38.8921	94.1907	60	PKC	3.8	1	7.9	-1	1.2	0	0.477	1	3.223	0	6.749	-1	2038	53	1.7
14196.6	10000	38.8921	94.1900	56	PKC	3.6	1	8.0	-1	1.2	1	0.447	1	2.937	0	6.567	-1	2045	46	1.7
14196.5	10000	38.8921	94.1892	53	PKC	3.6	1	8.2	-1	1.3	1	0.442	1	2.826	0	6.390	-2	2058	42	1.7
14196.4	10000	38.8921	94.1884	48	PKC	3.5	0	8.2	-1	1.3	1	0.428	1	2.673	0	6.250	-2	2081	43	1.7
14196.3	10000	38.8921	94.1877	43	PKC	3.6	1	8.2	-1	1.3	1	0.439	1	2.796	0	6.374	-2	2093	50	1.7
14196.2	10000	38.8921	94.1869	39	PKC	3.6	1	8.2	-1	1.3	1	0.441	1	2.756	0	6.252	-2	2111	43	1.7
14196.1	10000	38.8921	94.1862	35	PKC	3.5	0	8.2	-1	1.3	1	0.424	1	2.669	0	6.292	-2	2121	48	1.7
14196.0	10000	38.8921	94.1854	30	PKC	3.9	1	8.4	-1	1.3	1	0.457	1	3.066	0	6.707	-1	2129	43	1.7
14195.9	10000	38.8921	94.1847	24	PP	3.7	1	8.5	0	1.2	1	0.439	1	3.100	0	7.060	-1	2129	42	1.7
14195.8	10000	38.8921	94.1839	19	PP	3.6	1	8.7	0	1.2	0	0.414	0	3.031	0	7.317	-1	2127	47	1.7
14195.7	10000	38.8921	94.1832	14	PP	3.9	1	8.4	-1	1.2	0	0.461	1	3.256	0	7.061	-1	2130	39	1.7
14195.6	10000	38.8921	94.1824	8	PP	3.6	1	8.5	0	1.3	1	0.428	1	2.848	0	6.656	-1	2127	50	1.7
14195.5	10000	38.8921	94.1817	4	PP	3.2	0	8.7	0	1.3	1	0.372	0	2.593	-1	6.968	-1	2134	51	1.7
14195.4	10000	38.8921	94.1809	0	PP	3.0	-1	8.9	0	1.3	1	0.336	0	2.354	-1	7.007	-1	2153	49	1.7
14195.3	10000	38.8921	94.1802	-7	PP	2.9	-1	9.1	0	1.3	1	0.321	-1	2.169	-1	6.751	-1	2172	35	1.7
14195.2	10000	38.8921	94.1794	-14	PP	3.0	-1	8.8	0	1.4	2	0.341	0	2.149	-1	6.303	-1	2179	57	1.7
14195.1	10000	38.8921	94.1786	-17	PP	3.1	0	9.1	0	1.4	1	0.338	0	2.243	-1	6.640	-1	2183	48	1.7
14195.0	10000	38.8921	94.1779	-22	PKC	2.9	-1	9.2	0	1.3	1	0.320	-1	2.192	-1	6.855	-1	2155	44	1.7
14194.9	10000	38.8921	94.1771	-29	PKC	3.1	0	8.8	0	1.3	1	0.348	0	2.342	-1	6.735	-1	2163	42	1.7
14194.8	10000	38.8921	94.1764	-34	PKC	3.5	0	8.5	-1	1.3	1	0.410	1	2.669	0	6.515	-1	2162	46	1.7
14194.7	10000	38.8921	94.1756	-38	PKC	4.0	1	8.7	-1	1.3	1	0.459	1	3.020	0	6.585	-1	2167	46	1.7
14194.6	10000	38.8921	94.1749	-45	PKC	3.7	1	8.5	-1	1.3	1	0.441	1	2.880	0	6.531	-1	2164	45	1.7
14194.5	10000	38.8921	94.1741	-50	PKC	4.1	1	8.8	0	1.3	1	0.465	1	3.108	0	6.689	-1	2188	57	1.7
14194.4	10000	38.8921	94.1734	-54	PKC	4.0	1	9.0	0	1.3	1	0.451	1	3.032	0	6.726	-1	2201	51	1.7
14194.3	10000	38.8920	94.1726	-60	PKC	3.7	1	9.4	0	1.3	1	0.392	0	2.808	0	7.164	-1	2203	43	1.7
14194.2	10000	38.8920	94.1719	-65	PKC	3.7	1	9.5	0	1.3	1	0.380	0	2.902	0	7.647	-1	2185	55	1.7
14194.1	10000	38.8920	94.1711	-69	PKC	3.7	1	9.6	0	1.3	1	0.374	0	2.945	0	7.877	-1	2162	44	1.7
14194.0	10000	38.8920	94.1703	-71	PKC	3.6	1	9.4	0	1.3	1	0.379	0	2.895	0	7.635	-1	2126	55	1.7
14193.9	10000	38.8920	94.1696	-77	PKC	3.6	1	9.5	0	1.3	1	0.379	0	2.937	0	7.755	-1	2115	44	1.7
14193.8	10000	38.8920	94.1688	-80	PKC	3.4	0	9.6	0	1.3	1	0.357	0	2.750	0	7.702	-1	2069	54	1.7
14193.7	10000	38.8920	94.1681	-80	PP	3.4	1	9.4	0	1.3	1	0.375	0	2.763	0	7.364	-1	2052	55	1.7
14193.6	10000	38.8920	94.1673	-83	PP	3.4	1	9.5	0	1.3	1	0.380	0	2.772	0	7.287	-1	2059	57	1.7
14193.5	10000	38.8920	94.1666	-86	PP	3.3	1	9.5	0	1.3	1	0.374	0	2.752	0	7.361	-1	2058	41	1.7
14193.4	10000	38.8920	94.1658	-87	PP	3.5	1	9.5	0	1.3	1	0.355	0	2.599	0	7.315	-1	2062	38	1.7
14193.3	10000	38.8920	94.1651	-91	PP	3.5	1	9.5	0	1.3	1	0.343	0	2.613	0	7.621	-1	2090	38	1.7
14193.2	10000	38.8920	94.1643	-95	PP	3.5	1	9.5	0	1.3	1	0.342	0	2.708	0	7.918	-1	2104	43	1.7
14193.1	10000	38.8920	94.1636	-96	PP	3.5	1	9.5	0	1.3	1	0.355	0	2.984	0	7.396	-1	2129	38	1.7
14193.0	10000	38.8920	94.1628	-97	PP	3.5	1	9.5	0	1.3	1	0.353	0	3.019	0	8.548	-1	2126	40	1.7
14192.9	10000	38.8920	94.1621	-100	PP	3.5	1	9.5	0	1.3	1	0.400	1	3.240	0	8.092	-1	2125	31	1.7
14192.8	10000	38.8920	94.1613	-102	PP	3.5	1	9.5	0	1.3	1	0.365	0	2.932	0	8.034	-1	2142	54	1.7
14192.7	10000	38.8920	94.1606	-102	PP	3.5	1	9.5	0	1.3	1	0.356	0	2.846	0	7.987	-1	2161	37	1.7
14192.6	10000	38.8920	94.1598	-104	PP	3.5	1	9.5	0	1.3	1	0.356	0	2.810	0	7.895	-1	2160	46	1.7
14192.5	10000	38.8920	94.1590	-108	PP	3.5	1	9.5	0	1.3	1	0.382	0	2.785	0	7.289	-1	2160	37	1.7
14192.4	10000	38.8920	94.1583	-108	PP	3.5	1	9.5	0	1.3	1	0.367	0	2.553	0	6.947	-1	2159	51	1.7
14192.3	10000	38.8920	94.1575	-109	PP	3.5	1	9.5	0	1.3	1	0.391	0	2.596	0	6.648	-1	2154	44	1.7
14192.2	10000	38.8920	94.1568	-111	PP	3.5	1	9.5	0	1.3	1	0.374	0	2.528	0	6.762	-1	2144	53	1.7
14192.1	10000	38.8920	94.1560	-113	PP	3.5	1	9.5	0	1.3	1	0.409	1	2.733	0	6.679	-1	2135	40	1.7
14192.0	10000	38.8920	94.1553	-113	PP	3.5	1	9.5	0	1.3	1	0.407	1	2.743	0	6.746	-1	2138	55	1.7
14191.9	10000	38.8919	94.1545	-113	PP	3.5	1	9.5	0	1.3	1	0.396	0	2.805	0	7.066	-1	2137	59	1.7
14191.8	10000	38.8919	94.1538	-115	PP	3.5	1	9.5	0	1.3	1	0.395	0	2.985	0	7.560	-1	2133	44	1.7
14191.7	10000	38.8919	94.1530	-115	PP	3.5	1	9.5	0	1.2	1	0.429	1	3.263	0	7.597	-1	2133	44	1.7

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14191.6	10000	38.8919	94.1523	-115	PP	3.9	1	9.6	0	1.2	0	0.407	0	3.264	0	8.014	0	2152	41	1.8
14191.5	10000	38.8919	94.1515	-116	PP	3.8	1	9.6	0	1.1	0	0.392	0	3.364	0	8.576	0	2153	45	1.8
14191.4	10000	38.8919	94.1508	-116	PP	4.1	1	9.3	0	1.1	0	0.435	1	3.784	1	8.696	0	2150	37	1.9
14191.3	10000	38.8919	94.1500	-115	PP	4.2	2	9.6	0	1.1	0	0.441	1	3.881	1	8.810	0	2137	64	1.9
14191.2	10000	38.8919	94.1492	-116	PP	3.9	1	9.6	0	1.1	0	0.411	0	3.496	1	8.509	0	2135	50	1.9
14191.1	10000	38.8919	94.1485	-115	PP	3.5	0	9.8	1	1.2	0	0.361	0	3.011	0	8.347	0	2130	41	1.9
14191.0	10000	38.8919	94.1477	-113	PP	3.5	0	10.0	1	1.1	0	0.348	0	3.042	0	8.747	0	2131	50	1.9
14190.9	10000	38.8919	94.1470	-113	PP	3.5	0	10.2	1	1.2	0	0.342	0	2.970	0	8.680	0	2139	59	1.9
14190.8	10000	38.8919	94.1462	-113	PP	3.7	1	9.9	1	1.2	1	0.370	0	3.013	0	8.149	0	2140	45	1.9
14190.7	10000	38.8919	94.1455	-111	PP	3.4	0	10.0	1	1.3	1	0.341	0	2.619	-1	7.678	0	2132	55	1.9
14190.6	10000	38.8919	94.1447	-109	PP	3.3	0	9.7	1	1.3	1	0.337	0	2.440	-1	7.230	-1	2125	38	1.9
14190.5	10000	38.8919	94.1440	-108	PP	3.3	0	9.3	0	1.3	1	0.360	0	2.504	-1	6.962	-1	2099	49	1.9
14190.4	10000	38.8919	94.1432	-106	PP	3.8	1	9.0	0	1.3	1	0.424	1	2.900	0	6.842	-1	2099	46	1.9
14190.3	10000	38.8919	94.1425	-106	PP	3.5	0	8.8	0	1.3	1	0.402	0	2.657	-1	6.614	-1	2095	53	1.9
14190.2	10000	38.8919	94.1417	-105	PP	3.5	0	8.5	0	1.3	1	0.415	0	2.695	-1	6.489	-1	2067	41	1.9
14190.1	10000	38.8919	94.1410	-101	PP	3.5	0	8.4	-1	1.3	1	0.419	0	2.650	-1	6.329	-1	2072	48	1.9
14190.0	10000	38.8919	94.1402	-101	PP	3.7	1	7.9	-1	1.3	1	0.467	1	2.811	0	6.014	-2	2068	50	1.9
14189.9	10000	38.8919	94.1395	-99	PKC	3.7	1	7.5	-1	1.2	1	0.501	2	3.025	0	6.033	-2	2026	45	1.9
14189.8	10000	38.8919	94.1387	-96	PKC	3.7	1	7.4	-2	1.2	1	0.495	2	3.051	0	6.158	-2	1990	55	1.9
14189.7	10000	38.8919	94.1379	-94	PKC	3.4	0	7.0	-2	1.2	0	0.478	1	2.909	0	6.085	-2	1947	41	1.9
14189.6	10000	38.8919	94.1372	-94	PKC	3.6	1	7.1	-2	1.2	0	0.510	2	3.031	0	5.948	-2	1943	47	2.0
14189.5	10000	38.8918	94.1364	-90	PKC	3.4	0	7.3	-2	1.2	0	0.461	1	2.779	0	6.033	-2	1944	41	2.0
14189.4	10000	38.8918	94.1357	-88	PKC	3.5	0	7.4	-2	1.3	1	0.469	1	2.760	0	5.887	-2	1950	48	2.0
14189.3	10000	38.8918	94.1349	-87	PKC	3.4	0	7.6	-1	1.2	1	0.443	1	2.714	0	6.132	-2	1955	44	2.0
14189.2	10000	38.8918	94.1342	-85	PKC	3.3	0	8.0	-1	1.3	1	0.417	1	2.584	-1	6.197	-2	2002	47	2.0
14189.1	10000	38.8918	94.1334	-83	PKC	3.4	0	8.1	-1	1.3	1	0.426	1	2.609	-1	6.126	-2	2045	45	2.0
14189.0	10000	38.8918	94.1327	-83	PKC	3.7	1	8.4	-1	1.3	1	0.442	1	2.751	0	6.224	-2	2085	48	2.0
14188.9	10000	38.8918	94.1319	-82	PKC	3.5	0	8.1	-1	1.3	1	0.434	1	2.634	0	6.071	-2	2083	47	2.0
14188.8	10000	38.8918	94.1311	-81	PKC	3.7	1	8.6	-1	1.3	1	0.486	1	2.820	0	5.807	-2	2097	48	2.0
14188.7	10000	38.8918	94.1304	-81	PKC	3.6	1	8.1	-1	1.3	1	0.460	1	2.782	0	6.052	-2	2090	45	2.0
14188.6	10000	38.8918	94.1296	-81	PKC	3.4	0	7.6	-1	1.3	1	0.446	1	2.720	0	6.099	-2	2094	42	2.0
14188.5	10000	38.8918	94.1289	-80	PKC	3.6	1	7.9	-1	1.3	1	0.451	1	2.855	0	6.334	-2	2095	42	2.0
14188.4	10000	38.8918	94.1281	-80	PKC	3.6	1	7.7	-1	1.3	1	0.439	1	2.940	1	6.692	-1	2093	40	2.0
14188.3	10000	38.8918	94.1274	-81	PKC	3.2	0	7.7	-1	1.3	1	0.407	1	2.653	1	6.518	-1	2085	45	2.0
14188.2	10000	38.8918	94.1266	-80	PKC	3.4	0	7.9	-1	1.3	1	0.420	1	2.837	1	6.748	-1	2076	42	2.0
14188.1	10000	38.8918	94.1259	-79	PKC	3.4	0	8.1	-1	1.3	1	0.417	1	2.866	1	6.865	-1	2055	36	2.0
14188.0	10000	38.8918	94.1251	-80	PKC	3.2	0	8.1	-1	1.3	1	0.394	1	2.672	1	6.779	-1	2041	45	2.0
14187.9	10000	38.8918	94.1244	-81	PKC	3.2	0	8.4	-1	1.3	1	0.381	1	2.731	1	7.161	-1	2028	41	2.0
14187.8	10000	38.8918	94.1236	-79	PKC	3.1	0	8.2	-1	1.3	1	0.372	1	2.599	1	6.983	-1	2011	42	2.0
14187.7	10000	38.8918	94.1229	-80	PKC	3.1	0	8.4	-1	1.3	1	0.389	1	2.601	1	6.683	-1	2005	54	2.0
14187.6	10000	38.8918	94.1221	-81	PKC	3.0	0	8.4	-1	1.3	1	0.374	1	2.564	1	6.859	-1	2003	44	2.0
14187.5	10000	38.8918	94.1214	-81	PKC	3.0	0	8.4	-1	1.3	1	0.376	1	2.433	1	6.466	-1	2002	44	2.0
14187.4	10000	38.8918	94.1206	-81	PKC	3.0	0	8.4	-1	1.3	1	0.360	1	2.384	1	6.614	-1	2004	49	2.0
14187.3	10000	38.8918	94.1198	-83	PKC	3.1	0	8.4	-1	1.3	1	0.369	1	2.517	1	6.821	-1	2003	38	2.0
14187.2	10000	38.8918	94.1191	-84	PKC	3.0	0	8.4	-1	1.3	1	0.366	1	2.508	1	6.843	-1	2013	42	2.0
14187.1	10000	38.8917	94.1183	-84	PKC	3.0	0	8.4	-1	1.3	1	0.350	1	2.388	1	6.821	-1	2030	49	2.0
14187.0	10000	38.8917	94.1176	-86	PKC	2.7	0	8.4	-1	1.3	1	0.315	1	2.097	1	6.661	-1	2045	43	2.0
14186.9	10000	38.8917	94.1168	-87	PKC	2.6	0	8.4	-1	1.3	1	0.302	1	1.985	1	6.576	-1	2060	50	2.0
14186.8	10000	38.8917	94.1161	-87	PKC	2.5	0	8.4	-1	1.3	1	0.270	1	1.844	1	6.830	-1	2077	44	2.0
14186.7	10000	38.8917	94.1153	-89	PKC	2.6	1	8.4	-1	1.3	1	0.277	1	1.922	2	6.949	-1	2097	48	2.0
14186.6	10000	38.8917	94.1146	-91	PKC	2.5	1	8.4	-1	1.3	1	0.266	1	1.788	2	6.717	-1	2115	48	2.0
14186.5	10000	38.8917	94.1138	-90	PKC	2.3	1	9.3	0	1.4	1	0.251	1	1.663	2	6.616	-1	2128	40	2.1

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14186.4	10000	38.8917	94.1131	-91	PKC	2.2	-2	9.3	0	1.4	2	0.240	-2	1.575	-2	6.554	-1	2122	50	2.1
14186.3	10000	38.8917	94.1123	-93	PKC	2.1	-2	9.0	0	1.4	2	0.236	-2	1.491	-2	6.321	-2	2118	41	2.1
14186.2	10000	38.8917	94.1116	-94	PKC	2.1	-2	9.5	0	1.4	2	0.221	-2	1.488	-2	6.722	-1	2107	38	2.1
14186.1	10000	38.8917	94.1108	-94	PKC	2.3	-2	9.4	0	1.3	1	0.248	-1	1.742	-2	7.023	-1	2096	46	2.1
14186.0	10000	38.8917	94.1100	-95	PKC	2.2	-2	9.2	0	1.4	1	0.239	-2	1.593	-2	6.671	-1	2090	50	2.1
14185.9	10000	38.8917	94.1093	-97	PKC	2.3	-2	9.4	0	1.4	1	0.245	-1	1.665	-2	6.807	-1	2086	46	2.1
14185.8	10000	38.8917	94.1085	-96	PKC	2.3	-2	9.3	0	1.4	2	0.246	-1	1.642	-2	6.672	-1	2093	43	2.1
14185.7	10000	38.8917	94.1078	-96	PKC	2.5	-1	9.4	0	1.4	1	0.264	-1	1.797	-2	6.811	-1	2099	45	2.1
14185.6	10000	38.8918	94.1071	-98	PKC	2.8	-1	9.6	0	1.4	1	0.295	-1	2.101	-1	7.125	-1	2124	43	2.1
14185.5	10000	38.8918	94.1064	-98	PKC	3.1	0	9.4	0	1.4	1	0.334	0	2.276	-1	6.815	-1	2145	49	2.1
14185.4	10000	38.8919	94.1058	-97	PKC	3.1	0	9.6	0	1.5	2	0.326	0	2.098	-1	6.429	-1	2193	47	2.1
14185.3	10000	38.8920	94.1051	-98	PKC	3.1	0	10.0	0	1.4	2	0.307	-1	2.117	-1	6.892	-1	2200	46	2.1
14185.2	10000	38.8921	94.1044	-98	PKC	3.3	0	10.1	1	1.4	2	0.321	0	2.246	-1	7.004	-1	2221	47	2.1
14185.1	10000	38.8921	94.1037	-96	PKC	3.5	0	10.0	0	1.4	1	0.350	0	2.517	-1	7.201	-1	2219	54	2.1
14185.0	10000	38.8922	94.1031	-97	PKC	3.6	0	9.8	0	1.4	2	0.362	0	2.546	-1	7.030	-1	2229	43	2.1
14184.9	10000	38.8923	94.1024	-100	PKC	3.5	0	9.8	0	1.4	1	0.359	0	2.566	-1	7.157	-1	2198	47	2.0
14184.8	10000	38.8924	94.1017	-100	PKC	3.4	0	9.4	0	1.3	1	0.356	0	2.558	-1	7.182	-1	2186	39	2.0
14184.7	10000	38.8924	94.1010	-102	PKC	3.4	0	9.2	0	1.2	0	0.366	0	2.846	0	7.782	0	2154	48	2.0
14184.6	10000	38.8925	94.1004	-107	PKC	3.5	0	9.3	0	1.2	0	0.381	0	3.002	0	7.883	0	2148	42	2.0
14184.5	10000	38.8926	94.0997	-106	PKC	3.2	0	9.2	0	1.1	0	0.351	0	2.828	0	8.069	0	2126	35	2.0
14184.4	10000	38.8927	94.0990	-102	PKC	3.1	0	9.2	0	1.2	0	0.337	0	2.682	0	7.957	0	2128	33	2.0
14184.3	10000	38.8927	94.0983	-104	PKC	3.2	0	9.2	0	1.1	0	0.346	0	2.810	0	8.129	0	2120	41	2.0
14184.2	10000	38.8928	94.0977	-106	PKC	3.2	0	9.6	0	1.2	0	0.331	0	2.754	0	8.325	0	2148	48	2.0
14184.1	10000	38.8929	94.0970	-107	PKC	3.3	0	9.6	0	1.2	0	0.339	0	2.736	0	8.070	0	2166	54	2.0
14184.0	10000	38.8930	94.0963	-109	PKC	3.2	0	9.6	0	1.3	1	0.332	0	2.532	-1	7.622	-1	2183	49	2.0
14183.9	10000	38.8930	94.0956	-111	PKC	3.2	0	9.3	0	1.3	1	0.345	0	2.448	-1	7.101	-1	2207	46	2.0
14183.8	10000	38.8931	94.0950	-111	PKC	3.4	0	9.3	0	1.3	1	0.368	0	2.546	-1	6.911	-1	2232	43	2.0
14183.7	10000	38.8932	94.0943	-110	PKC	3.5	0	9.4	0	1.4	1	0.368	0	2.509	-1	6.827	-1	2242	45	2.0
14183.6	10000	38.8933	94.0936	-112	PKC	3.4	0	9.2	0	1.4	1	0.375	0	2.412	-1	6.434	-1	2264	48	2.0
14183.5	10000	38.8933	94.0929	-114	PKC	3.3	0	9.4	0	1.4	1	0.393	0	2.337	-1	5.953	-2	2247	56	2.0
14183.4	10000	38.8934	94.0923	-114	PKC	3.3	0	9.3	0	1.4	1	0.374	0	2.253	-1	6.028	-2	2233	36	1.9
14183.3	10000	38.8935	94.0916	-116	PKC	3.4	0	9.4	0	1.4	1	0.398	0	2.475	-1	6.212	-2	2238	40	1.9
14183.2	10000	38.8936	94.0909	-118	PKC	3.3	0	9.6	0	1.4	1	0.375	0	2.391	-1	6.367	-2	2223	41	1.9
14183.1	10000	38.8936	94.0902	-119	PKC	3.4	0	9.6	0	1.4	1	0.356	0	2.254	-1	6.333	-2	2205	47	1.9
14183.0	10000	38.8937	94.0896	-119	PKC	3.4	0	9.6	0	1.4	1	0.358	0	2.281	-1	6.371	-2	2200	45	1.9
14182.9	10000	38.8938	94.0889	-122	PKC	3.5	0	9.6	0	1.4	1	0.337	0	2.233	-1	6.623	-1	2202	53	1.9
14182.8	10000	38.8939	94.0882	-123	PKC	3.5	0	9.6	0	1.4	1	0.360	0	2.365	-1	6.561	-1	2223	37	1.9
14182.7	10000	38.8939	94.0875	-124	PKC	3.5	0	9.7	0	1.4	1	0.360	0	2.374	-1	6.590	-1	2231	55	1.9
14182.6	10000	38.8940	94.0869	-125	PKC	3.3	0	9.2	0	1.4	1	0.329	0	2.293	-1	6.973	-1	2231	47	1.9
14182.5	10000	38.8941	94.0862	-127	PKC	3.5	0	9.3	0	1.4	1	0.335	0	2.336	-1	6.966	-1	2234	43	1.9
14182.4	10000	38.8942	94.0855	-127	PKC	3.5	0	9.3	0	1.4	1	0.342	0	2.462	-1	7.188	-1	2243	43	1.8
14182.3	10000	38.8942	94.0848	-129	PKC	3.5	0	9.3	0	1.4	1	0.353	0	2.539	-1	7.185	-1	2236	57	1.8
14182.2	10000	38.8943	94.0842	-130	PKC	3.6	0	9.3	0	1.4	1	0.362	0	2.697	-1	7.446	-1	2222	42	1.8
14182.1	10000	38.8944	94.0835	-131	PKC	3.6	0	9.3	0	1.4	1	0.344	0	2.647	-1	7.691	-1	2218	54	1.8
14182.0	10000	38.8945	94.0828	-134	PKC	3.7	0	9.4	0	1.3	1	0.358	0	2.772	0	7.754	0	2223	41	1.8
14181.9	10000	38.8946	94.0821	-135	PKC	3.7	0	9.6	0	1.3	1	0.389	0	2.794	-1	7.182	-1	2214	34	1.8
14181.8	10000	38.8946	94.0815	-135	PKC	3.7	0	9.5	0	1.3	1	0.405	0	2.953	-1	7.297	-1	2214	51	1.8
14181.7	10000	38.8947	94.0808	-138	PKC	3.7	0	9.5	0	1.3	1	0.400	0	2.864	-1	7.165	-1	2203	44	1.8
14181.6	10000	38.8948	94.0801	-139	PKC	3.7	0	9.5	0	1.3	1	0.391	0	2.858	-1	7.301	-1	2194	33	1.8
14181.5	10000	38.8949	94.0794	-140	PKC	3.8	0	9.6	0	1.3	1	0.413	0	2.919	-1	7.072	-1	2174	39	1.8
14181.4	10000	38.8949	94.0788	-143	PP	3.8	0	9.6	0	1.3	1	0.412	0	2.886	-1	7.826	0	2144	49	1.8
14181.3	10000	38.8950	94.0781	-145	PP	3.9	0	9.8	0	1.3	1	0.439	0	3.226	0	8.076	0	2101	47	1.7
														3.544	1					

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14181.2	10000	38.8951	94.0774	-146	PP	3.8	1	8.8	0	1.1	0	0.436	1	3.615	1	8.291	0	2053	53	1.7
14181.1	10000	38.8951	94.0767	-149	PP	3.6	1	8.5	0	1.1	0	0.422	1	3.348	0	7.938	0	2019	50	1.7
14181.0	10000	38.8952	94.0761	-150	PP	3.6	1	8.1	-1	1.1	0	0.451	1	3.329	0	7.384	-1	2007	40	1.7
14180.9	10000	38.8953	94.0754	-152	PP	3.5	0	8.0	-1	1.1	0	0.440	1	3.141	0	7.135	-1	2005	48	1.7
14180.8	10000	38.8953	94.0746	-153	PP	3.4	0	8.2	-1	1.2	0	0.410	0	2.859	0	6.966	-1	2016	54	1.7
14180.7	10000	38.8953	94.0739	-157	PP	3.2	0	8.0	-1	1.3	1	0.396	0	2.498	-1	6.313	-1	2030	50	1.7
14180.6	10000	38.8953	94.0732	-159	PP	3.1	0	8.2	-1	1.3	1	0.382	0	2.361	-1	6.183	-2	2044	54	1.7
14180.5	10000	38.8953	94.0724	-159	PP	3.0	-1	8.3	-1	1.4	2	0.357	0	2.157	-1	6.039	-2	2068	46	1.7
14180.4	10000	38.8953	94.0717	-163	PP	3.1	0	8.4	-1	1.4	2	0.371	0	2.259	-1	6.095	-2	2094	38	1.7
14180.3	10000	38.8953	94.0710	-167	PP	3.4	0	8.5	0	1.3	1	0.397	0	2.532	-1	6.374	-1	2113	50	1.7
14180.2	10000	38.8953	94.0703	-168	PP	3.5	0	8.9	0	1.3	1	0.391	0	2.624	-1	6.704	-1	2114	34	1.7
14180.1	10000	38.8953	94.0695	-170	PP	3.5	0	9.0	0	1.3	1	0.392	0	2.661	-1	6.794	-1	2107	49	1.6
14180.0	10000	38.8953	94.0688	-174	PP	3.7	1	8.8	0	1.3	1	0.424	1	2.872	0	6.776	-1	2108	48	1.6
14179.9	10000	38.8953	94.0681	-177	PP	3.8	1	8.5	0	1.3	1	0.448	1	2.940	0	6.564	-1	2105	42	1.6
14179.8	10000	38.8953	94.0673	-178	PP	4.1	1	8.3	-1	1.3	1	0.490	1	3.215	0	6.560	-1	2111	63	1.6
14179.7	10000	38.8953	94.0666	-182	PP	4.1	2	8.3	-1	1.2	1	0.500	1	3.317	0	6.635	-1	2104	48	1.6
14179.6	10000	38.8953	94.0659	-186	PP	3.9	1	8.3	-1	1.2	1	0.472	1	3.210	0	6.800	-1	2090	42	1.6
14179.5	10000	38.8953	94.0651	-186	PP	3.8	1	8.0	-1	1.2	1	0.481	1	3.148	0	6.540	-1	2105	48	1.6
14179.4	10000	38.8953	94.0644	-188	PP	4.0	1	8.1	-1	1.1	0	0.488	1	3.451	1	7.078	-1	2106	36	1.6
14179.3	10000	38.8953	94.0637	-191	PP	4.0	1	8.1	-1	1.2	0	0.496	1	3.396	0	6.846	-1	2118	43	1.6
14179.2	10000	38.8953	94.0629	-192	PP	3.8	1	8.6	0	1.2	0	0.446	1	3.286	0	7.376	-1	2122	54	1.6
14179.1	10000	38.8953	94.0622	-193	PP	3.9	1	9.0	0	1.2	0	0.439	1	3.294	0	7.509	-1	2132	52	1.6
14179.0	10000	38.8953	94.0615	-194	PP	4.1	1	9.1	0	1.2	1	0.446	1	3.334	0	7.478	-1	2145	41	1.6
14178.9	10000	38.8953	94.0607	-194	PP	4.0	1	9.1	0	1.2	1	0.435	1	3.195	0	7.341	-1	2146	42	1.6
14178.8	10000	38.8953	94.0600	-193	PP	4.2	1	9.1	0	1.3	1	0.457	1	3.296	0	7.206	-1	2148	53	1.6
14178.7	10000	38.8953	94.0593	-194	PP	4.0	1	8.9	0	1.3	1	0.454	1	3.007	0	6.628	-1	2147	48	1.6
14178.6	10000	38.8953	94.0585	-193	PP	4.0	1	8.9	0	1.3	1	0.402	1	2.943	0	7.328	-1	2136	31	1.6
14178.5	10000	38.8953	94.0578	-190	PP	3.8	1	8.7	0	1.3	1	0.381	1	2.747	0	7.206	-1	2142	44	1.6
14178.4	10000	38.8953	94.0571	-189	PP	3.8	1	8.7	0	1.3	1	0.362	1	2.762	0	7.638	0	2154	37	1.6
14178.3	10000	38.8953	94.0563	-187	PP	3.7	1	8.5	0	1.2	1	0.368	1	2.751	0	7.465	-1	2143	47	1.6
14178.2	10000	38.8953	94.0556	-185	PP	3.6	1	8.4	0	1.2	1	0.379	1	2.790	0	7.351	-1	2137	42	1.6
14178.1	10000	38.8953	94.0549	-183	PP	3.4	1	8.2	0	1.2	1	0.361	1	2.687	0	7.451	-1	2099	49	1.6
14178.0	10000	38.8953	94.0541	-181	PP	3.4	1	8.2	0	1.2	1	0.374	1	2.896	0	7.742	0	2089	52	1.6
14177.9	10000	38.8953	94.0534	-177	PP	3.4	1	8.1	0	1.1	1	0.420	1	3.078	0	7.335	-1	2061	46	1.6
14177.8	10000	38.8953	94.0527	-176	PKC	3.4	1	8.1	0	1.1	1	0.461	1	3.346	0	7.256	-1	2063	59	1.6
14177.7	10000	38.8953	94.0519	-173	PKC	3.4	1	8.2	0	1.1	1	0.460	1	3.370	0	7.328	-1	2060	54	1.6
14177.6	10000	38.8953	94.0512	-171	PKC	3.4	1	8.3	0	1.2	1	0.445	1	3.314	0	7.445	-1	2082	37	1.6
14177.5	10000	38.8953	94.0505	-170	PKC	3.4	1	8.3	0	1.2	1	0.432	1	3.303	0	7.638	-1	2103	33	1.6
14177.4	10000	38.8953	94.0497	-167	PKC	3.4	1	8.4	0	1.2	1	0.457	1	3.528	0	7.729	-1	2135	52	1.6
14177.3	10000	38.8953	94.0490	-164	PKC	3.4	1	8.5	0	1.2	1	0.438	1	3.337	0	7.612	-1	2156	47	1.6
14177.2	10000	38.8953	94.0483	-163	PKC	3.4	1	8.8	0	1.3	1	0.415	1	3.202	0	7.720	-1	2178	47	1.6
14177.1	10000	38.8953	94.0475	-162	PKC	3.4	1	8.8	0	1.3	1	0.414	1	3.190	0	7.713	-1	2177	43	1.6
14177.0	10000	38.8953	94.0468	-159	PKC	3.4	1	9.0	0	1.3	1	0.419	1	3.078	0	7.343	-1	2166	38	1.6
14176.9	10000	38.8953	94.0461	-158	PKC	3.4	1	9.1	0	1.3	1	0.408	1	3.081	0	7.549	-1	2159	42	1.6
14176.8	10000	38.8953	94.0453	-158	PKC	3.4	1	9.1	0	1.3	1	0.426	1	3.233	0	7.595	-1	2148	38	1.6
14176.7	10000	38.8953	94.0446	-154	PKC	3.4	1	9.2	0	1.3	1	0.389	1	3.087	0	7.935	-1	2134	41	1.6
14176.6	10000	38.8953	94.0439	-153	PKC	3.4	1	9.3	0	1.3	1	0.397	1	3.262	0	8.213	0	2128	48	1.6
14176.5	10000	38.8953	94.0431	-153	PKC	3.4	1	9.4	0	1.3	1	0.371	1	3.139	0	8.470	0	2135	52	1.6
14176.4	10000	38.8952	94.0424	-151	PKC	3.4	1	9.5	0	1.3	1	0.366	1	3.126	0	8.538	0	2132	46	1.6
14176.3	10000	38.8952	94.0417	-149	PKC	3.4	1	9.6	0	1.3	1	0.344	1	3.052	0	8.885	0	2130	49	1.6
14176.2	10000	38.8952	94.0409	-149	PKC	3.4	1	9.7	0	1.3	1	0.371	1	3.067	0	8.257	0	2127	39	1.6
14176.1	10000	38.8952	94.0402	-148	PKC	3.6	1	9.5	0	1.2	1	0.376	1	3.086	0	8.201	0	2137	50	1.6

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14176.0	10000	38.8952	94.0395	-147	PKC	3.6	1	9.4	0	1.2	0	0.383	0	3.119	0	8.141	0	2133	48	1.6
14175.9	10000	38.8952	94.0387	-147	PP	3.7	1	9.2	0	1.1	0	0.408	0	3.344	0	8.244	0	2115	46	1.6
14175.8	10000	38.8952	94.0380	-148	PP	4.0	1	8.6	0	1.1	0	0.469	1	3.597	1	7.662	0	2101	51	1.6
14175.7	10000	38.8952	94.0373	-145	PP	4.1	2	8.7	0	1.1	0	0.477	1	3.721	1	7.803	0	2100	43	1.6
14175.6	10000	38.8952	94.0365	-147	PP	4.2	2	8.9	0	1.1	0	0.474	1	3.756	1	7.916	0	2099	54	1.6
14175.5	10000	38.8952	94.0358	-147	PP	4.0	1	9.2	0	1.1	0	0.440	1	3.659	1	8.319	0	2085	53	1.7
14175.4	10000	38.8952	94.0351	-146	PP	3.7	1	8.8	0	1.1	0	0.416	1	3.288	0	7.906	0	2079	42	1.7
14175.3	10000	38.8952	94.0343	-147	PP	3.8	1	8.7	0	1.1	0	0.437	1	3.340	0	7.644	0	2084	54	1.7
14175.2	10000	38.8952	94.0336	-148	PP	3.6	0	8.7	0	1.2	0	0.411	0	3.050	0	7.414	-1	2101	52	1.7
14175.1	10000	38.8952	94.0329	-147	PP	3.5	0	9.1	0	1.2	0	0.390	0	2.978	0	7.642	0	2111	42	1.7
14175.0	10000	38.8952	94.0322	-147	PP	3.3	0	9.1	0	1.2	1	0.366	0	2.719	0	7.433	-1	2112	41	1.7
14174.9	10000	38.8952	94.0314	-149	PP	3.4	0	8.9	0	1.3	1	0.376	0	2.652	-1	7.055	-1	2116	41	1.7
14174.8	10000	38.8952	94.0307	-149	PP	3.4	0	9.1	0	1.3	1	0.368	0	2.586	-1	7.030	-1	2127	44	1.7
14174.7	10000	38.8952	94.0300	-150	PP	3.4	0	9.6	0	1.3	1	0.358	0	2.753	0	7.686	0	2126	42	1.7
14174.6	10000	38.8952	94.0292	-153	PP	3.4	0	9.8	1	1.3	1	0.351	0	2.714	0	7.735	0	2141	56	1.7
14174.5	10000	38.8952	94.0285	-153	PP	3.5	0	9.8	1	1.3	1	0.353	0	2.713	0	7.678	0	2149	38	1.7
14174.4	10000	38.8952	94.0278	-155	PP	3.3	0	9.9	1	1.3	1	0.328	-1	2.516	-1	7.668	0	2156	38	1.7
14174.3	10000	38.8952	94.0270	-158	PP	3.4	0	10.1	1	1.3	1	0.337	0	2.692	-1	7.981	0	2163	54	1.7
14174.2	10000	38.8952	94.0263	-158	PP	3.3	0	10.1	1	1.3	1	0.327	-1	2.605	-1	7.964	0	2162	41	1.7
14174.1	10000	38.8952	94.0256	-158	PP	3.5	0	9.9	1	1.2	1	0.356	0	2.880	0	8.088	0	2156	43	1.7
14174.0	10000	38.8952	94.0248	-161	PP	3.7	1	9.7	1	1.2	1	0.383	0	3.032	0	7.911	0	2159	48	1.7
14173.9	10000	38.8952	94.0241	-162	PP	3.7	1	9.7	1	1.2	1	0.377	0	2.934	0	7.777	0	2145	37	1.7
14173.8	10000	38.8952	94.0234	-162	PP	3.5	0	9.6	0	1.2	1	0.360	0	2.764	0	7.670	0	2110	36	1.7
14173.7	10000	38.8952	94.0226	-164	PP	3.5	0	9.5	0	1.2	1	0.372	0	2.904	0	7.813	0	2092	51	1.7
14173.6	10000	38.8952	94.0219	-164	PP	3.4	0	9.6	0	1.2	1	0.352	0	2.783	0	7.912	0	2070	45	1.7
14173.5	10000	38.8952	94.0212	-162	PP	3.3	0	9.3	0	1.2	1	0.351	0	2.638	-1	7.515	-1	2060	52	1.7
14173.4	10000	38.8952	94.0204	-163	PP	3.3	0	9.4	0	1.3	1	0.352	0	2.654	-1	7.542	-1	2044	56	1.7
14173.3	10000	38.8952	94.0197	-164	PP	3.0	-1	9.5	0	1.3	1	0.314	-1	2.359	-1	7.506	-1	2027	48	1.7
14173.2	10000	38.8952	94.0190	-161	PP	2.8	-1	9.4	0	1.3	1	0.297	-1	2.221	-1	7.468	-1	2022	41	1.7
14173.1	10000	38.8952	94.0182	-161	PP	3.0	1	10.1	1	1.3	2	0.295	-1	2.379	-1	8.061	0	2029	50	1.7
14173.0	10000	38.8952	94.0175	-162	PP	3.1	0	9.9	0	1.2	2	0.316	-1	2.543	-1	8.057	0	2022	51	1.7
14172.9	10000	38.8952	94.0168	-159	PP	3.3	0	9.5	0	1.2	2	0.347	-1	2.683	-1	7.737	0	2014	49	1.7
14172.8	10000	38.8952	94.0160	-157	PP	3.7	1	9.4	0	1.2	2	0.389	0	3.098	0	7.958	0	2011	57	1.7
14172.7	10000	38.8952	94.0153	-156	PP	3.5	1	9.1	0	1.2	2	0.378	0	2.942	0	7.780	0	2010	41	1.7
14172.6	10000	38.8952	94.0146	-155	PP	3.6	1	9.1	0	1.2	2	0.394	0	3.032	0	7.698	0	2003	32	1.7
14172.5	10000	38.8952	94.0138	-154	PP	3.7	1	9.1	0	1.2	2	0.406	0	3.173	0	7.815	0	1989	35	1.7
14172.4	10000	38.8952	94.0131	-153	PM	3.6	1	8.6	0	1.2	2	0.425	0	3.109	0	7.317	-1	1988	50	1.7
14172.3	10000	38.8952	94.0124	-147	PM	3.5	1	8.8	0	1.2	2	0.409	0	3.022	0	7.396	-1	1992	37	1.7
14172.2	10000	38.8952	94.0116	-140	PM	3.2	1	8.8	0	1.2	2	0.359	0	2.675	-1	7.457	-1	2009	52	1.7
14172.1	10000	38.8952	94.0109	-142	PM	2.9	0	9.3	0	1.2	2	0.311	-1	2.397	-1	7.717	-1	2009	39	1.7
14172.0	10000	38.8952	94.0102	-148	PM	3.0	0	9.4	1	1.2	2	0.322	-1	2.522	-1	7.830	-1	2013	57	1.7
14171.9	10000	38.8952	94.0094	-149	PM	3.0	0	9.1	1	1.2	1	0.324	-1	2.587	-1	7.981	-1	2019	52	1.7
14171.8	10000	38.8952	94.0087	-152	PM	3.1	0	9.2	1	1.2	1	0.350	0	2.814	-1	8.033	-1	2039	46	1.7
14171.7	10000	38.8952	94.0080	-149	PM	3.1	0	9.6	1	1.2	1	0.338	0	2.815	-1	8.337	-1	2055	49	1.7
14171.6	10000	38.8952	94.0072	-147	PM	3.2	0	9.6	1	1.2	1	0.324	0	2.694	-1	8.305	-1	2063	40	1.7
14171.5	10000	38.8952	94.0065	-147	PM	3.1	0	9.6	1	1.2	1	0.348	0	2.704	-1	7.769	-1	2058	41	1.7
14171.4	10000	38.8952	94.0058	-147	PM	3.2	0	9.8	1	1.2	1	0.366	0	2.740	-1	7.477	-1	2055	37	1.7
14171.3	10000	38.8952	94.0050	-144	PM	3.2	0	9.8	1	1.2	1	0.360	0	2.711	-1	7.534	-1	2068	30	1.7
14171.2	10000	38.8952	94.0043	-143	PM	3.2	1	9.6	1	1.2	1	0.367	0	2.621	-1	7.145	-1	2079	48	1.7
14171.1	10000	38.8952	94.0036	-145	PM	3.1	1	9.4	1	1.2	1	0.363	0	2.536	-1	6.979	-1	2061	40	1.7
14171.0	10000	38.8952	94.0028	-144	PM	3.3	1	9.4	1	1.2	1	0.411	0	2.697	-1	6.566	-2	2071	32	1.7
14170.9	10000	38.8952	94.0021	-144	PM	3.4	1	9.1	1	1.2	2	0.456	1	2.790	0	6.123	-2	2083	42	1.7

LINE 620 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS		GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14170.8	10000	38.8952	94.0014	-145	PM		3.7	1	7.7	-2	1.2	1	0.476	2	2.968	0	6.229	-2	2101	38	1.7
14170.7	10000	38.8952	94.0006	-143	PM		5.9	1	7.9	-1	1.3	1	0.492	2	3.120	0	6.336	-2	2118	41	1.7

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14448.3	10000	38.8045	95.9996	-344	QAL	2.8	-1	11.0	1	1.3	0	0.253	-1	2.147	-1	8.489	1	2158	43	1.9
14448.4	10000	38.8046	95.9989	-343	QAL	2.8	-1	11.2	2	1.3	0	0.249	-1	2.104	-1	8.467	1	2181	46	1.9
14448.5	10000	38.8046	95.9981	-344	QAL	2.9	0	11.3	2	1.3	0	0.260	-1	2.238	0	8.599	1	2181	53	1.9
14448.6	10000	38.8046	95.9974	-343	QAL	2.9	0	11.0	1	1.3	0	0.263	-1	2.223	0	8.467	1	2179	43	1.9
14448.7	10000	38.8046	95.9967	-344	QAL	3.1	0	11.2	2	1.3	0	0.273	-1	2.404	0	8.791	1	2182	49	1.9
14448.8	10000	38.8046	95.9960	-344	QAL	3.0	0	10.8	1	1.3	0	0.274	-1	2.359	0	8.607	1	2178	45	1.9
14448.9	10000	38.8047	95.9953	-343	QAL	3.1	0	11.0	1	1.3	0	0.280	-1	2.421	0	8.647	1	2190	51	1.9
14449.0	10000	38.8047	95.9945	-343	QAL	3.1	0	10.5	1	1.3	0	0.297	-1	2.410	0	8.111	0	2198	50	1.9
14449.1	10000	38.8047	95.9938	-344	QAL	3.1	0	10.2	1	1.3	0	0.309	0	2.457	0	7.948	0	2181	53	1.9
14449.2	10000	38.8047	95.9931	-345	QAL	2.8	0	9.8	0	1.3	0	0.287	-1	2.167	-1	7.544	0	2182	50	1.9
14449.3	10000	38.8047	95.9924	-347	QAL	2.9	0	10.4	1	1.3	0	0.274	-1	2.210	-1	8.068	0	2199	52	1.9
14449.4	10000	38.8048	95.9917	-348	QAL	3.1	0	10.5	1	1.3	0	0.292	-1	2.300	0	7.870	0	2209	55	1.9
14449.5	10000	38.8048	95.9909	-349	QAL	3.0	0	10.7	1	1.4	0	0.281	-1	2.221	0	7.893	0	2231	51	1.9
14449.6	10000	38.8048	95.9902	-349	QAL	3.0	0	10.5	1	1.3	0	0.290	-1	2.282	0	7.877	0	2228	46	1.9
14449.7	10000	38.8048	95.9895	-349	QAL	3.1	0	10.8	1	1.3	0	0.287	-1	2.398	0	8.347	0	2250	51	1.9
14449.8	10000	38.8049	95.9888	-350	QAL	3.0	0	11.0	1	1.3	0	0.272	-1	2.294	0	8.425	1	2235	43	1.9
14449.9	10000	38.8049	95.9880	-350	QAL	3.2	0	11.2	2	1.3	0	0.287	-1	2.490	0	8.681	1	2230	46	1.9
14450.0	10000	38.8049	95.9873	-351	PW	3.4	1	11.1	1	1.4	1	0.309	0	2.496	0	8.089	0	2219	55	1.9
14450.1	10000	38.8049	95.9866	-351	PW	3.4	1	10.8	1	1.3	1	0.311	0	2.521	0	8.115	0	2215	58	1.9
14450.2	10000	38.8049	95.9859	-351	PW	3.6	1	10.4	1	1.3	0	0.345	1	2.755	1	7.982	0	2188	36	1.8
14450.3	10000	38.8050	95.9852	-352	PW	3.5	1	10.3	0	1.3	1	0.338	1	2.628	0	7.770	0	2181	57	1.8
14450.4	10000	38.8050	95.9844	-351	PW	3.4	1	10.1	0	1.4	1	0.339	1	2.514	0	7.427	-1	2153	44	1.8
14450.5	10000	38.8050	95.9837	-351	PW	3.7	2	10.0	0	1.3	0	0.371	1	2.860	1	7.714	0	2156	45	1.8
14450.6	10000	38.8050	95.9830	-351	PW	3.8	2	10.1	0	1.3	0	0.376	2	2.952	1	7.855	0	2162	49	1.8
14450.7	10000	38.8051	95.9823	-351	PW	3.7	2	10.1	0	1.2	0	0.370	1	3.123	1	8.444	0	2148	49	1.8
14450.8	10000	38.8051	95.9816	-352	PW	3.5	1	10.2	0	1.2	0	0.347	1	2.943	1	8.480	0	2142	44	1.8
14450.9	10000	38.8051	95.9808	-351	PW	3.5	2	10.2	0	1.2	0	0.330	1	2.770	1	8.403	0	2141	43	1.9
14451.0	10000	38.8051	95.9801	-349	PW	3.7	2	10.2	0	1.2	0	0.369	1	3.128	1	8.472	0	2140	51	1.9
14451.1	10000	38.8051	95.9794	-351	PW	3.7	2	10.3	1	1.2	0	0.358	1	3.239	1	9.047	0	2133	51	1.8
14451.2	10000	38.8052	95.9787	-354	PW	3.6	2	10.2	0	1.2	0	0.356	1	3.004	1	8.429	0	2132	50	1.8
14451.3	10000	38.8052	95.9780	-355	PW	3.5	2	10.2	0	1.2	0	0.344	1	2.961	1	8.596	0	2130	43	1.8
14451.4	10000	38.8052	95.9772	-356	PW	3.4	2	10.2	0	1.2	0	0.348	1	2.813	1	8.092	0	2128	43	1.8
14451.5	10000	38.8052	95.9765	-356	QAL	3.2	2	10.1	0	1.2	0	0.329	1	2.646	1	8.048	0	2124	41	1.8
14451.6	10000	38.8053	95.9758	-357	QAL	3.2	2	10.1	0	1.2	0	0.315	1	2.580	1	8.193	0	2124	50	1.8
14451.7	10000	38.8053	95.9751	-357	QAL	3.0	2	9.8	0	1.2	0	0.278	1	2.347	1	8.449	0	2112	42	1.8
14451.8	10000	38.8053	95.9743	-357	QAL	2.9	2	9.9	0	1.2	0	0.279	1	2.284	1	8.191	0	2114	45	1.8
14451.9	10000	38.8053	95.9736	-357	QAL	2.7	2	9.6	0	1.2	0	0.244	1	2.163	1	8.848	0	2108	39	1.8
14452.0	10000	38.8053	95.9729	-358	QAL	2.6	2	9.6	0	1.2	0	0.238	1	2.038	1	8.578	0	2102	47	1.8
14452.1	10000	38.8054	95.9722	-358	QAL	2.6	2	9.6	0	1.2	0	0.238	1	2.048	1	8.699	0	2107	54	1.8
14452.2	10000	38.8054	95.9715	-357	QAL	2.6	2	9.6	0	1.2	0	0.238	1	2.033	1	8.539	0	2106	45	1.8
14452.3	10000	38.8054	95.9707	-357	QAL	2.5	2	9.4	0	1.2	0	0.227	1	1.953	1	8.617	0	2107	46	1.8
14452.4	10000	38.8054	95.9700	-357	QAL	2.4	2	9.3	0	1.2	0	0.204	1	1.885	1	8.062	0	2123	53	1.8
14452.5	10000	38.8055	95.9693	-357	QAL	2.3	2	9.3	0	1.2	0	0.196	1	1.883	1	8.346	0	2137	49	1.8
14452.6	10000	38.8055	95.9686	-358	QAL	2.2	2	9.2	0	1.2	0	0.213	1	1.919	1	8.997	0	2142	47	1.8
14452.7	10000	38.8055	95.9678	-358	QAL	2.2	2	9.1	0	1.2	0	0.216	1	1.980	1	9.163	0	2148	44	1.8
14452.8	10000	38.8055	95.9671	-358	QAL	2.1	2	9.0	0	1.2	0	0.219	1	1.972	1	9.016	0	2156	42	1.8
14452.9	10000	38.8055	95.9664	-358	QAL	2.1	2	8.9	0	1.2	0	0.230	1	2.144	1	9.316	0	2176	41	1.8
14453.0	10000	38.8056	95.9657	-359	QAL	2.1	2	8.9	0	1.2	0	0.243	1	2.271	1	9.358	0	2181	51	1.8
14453.1	10000	38.8056	95.9650	-359	QAL	2.1	2	8.9	0	1.2	0	0.253	1	2.290	1	9.045	0	2202	53	1.8
14453.2	10000	38.8056	95.9642	-359	QAL	2.1	2	8.8	0	1.2	0	0.268	1	2.427	1	9.050	0	2217	49	1.8
14453.3	10000	38.8056	95.9635	-359	QAL	2.1	2	8.8	0	1.2	0	0.272	1	2.476	1	9.093	0	2231	48	1.8
14453.4	10000	38.8057	95.9628	-359	QAL	2.1	2	8.8	0	1.2	0	0.287	1	2.577	1	8.977	0	2233	41	1.9

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14453.5	10000	38.8057	95.9621	-359	PW	3.3	1	11.3	1	1.3	1	0.291	0	2.527	0	8.673	1	2228	47	1.9
14453.6	10000	38.8057	95.9614	-359	PW	3.1	0	11.0	1	1.3	1	0.284	0	2.395	0	8.429	0	2214	49	1.9
14453.7	10000	38.8057	95.9606	-359	PW	3.2	1	10.5	1	1.3	0	0.308	0	2.490	0	8.076	0	2207	60	1.9
14453.8	10000	38.8057	95.9599	-359	PW	3.5	1	9.9	0	1.3	0	0.354	1	2.790	1	7.880	0	2180	55	1.9
14453.9	10000	38.8058	95.9592	-358	PW	3.5	1	9.4	-1	1.2	0	0.372	1	2.868	1	7.715	0	2137	42	1.9
14454.0	10000	38.8058	95.9585	-357	PW	3.6	1	9.0	-1	1.2	0	0.402	2	2.988	1	7.435	-1	2109	52	1.9
14454.1	10000	38.8058	95.9578	-358	PW	3.5	1	9.0	-1	1.2	0	0.387	2	2.935	1	7.582	-1	2093	50	1.9
14454.2	10000	38.8058	95.9570	-358	PW	3.4	1	9.5	0	1.1	0	0.355	1	2.933	1	8.273	0	2093	54	1.9
14454.3	10000	38.8058	95.9563	-358	QAL	3.6	1	9.9	1	1.2	0	0.362	0	3.057	1	8.443	1	2099	46	1.9
14454.4	10000	38.8059	95.9556	-358	QAL	3.4	1	10.3	1	1.2	0	0.330	0	2.862	0	8.678	1	2098	42	1.9
14454.5	10000	38.8059	95.9549	-358	QAL	3.3	0	10.6	1	1.2	0	0.311	0	2.635	0	8.477	1	2108	41	1.9
14454.6	10000	38.8059	95.9541	-359	QAL	3.3	1	10.5	1	1.3	0	0.317	0	2.473	0	7.789	0	2152	51	1.9
14454.7	10000	38.8059	95.9534	-360	QAL	3.2	0	10.4	1	1.3	0	0.306	0	2.355	0	7.693	0	2159	52	1.9
14454.8	10000	38.8060	95.9527	-362	QAL	3.0	0	9.9	1	1.3	0	0.306	0	2.267	0	7.412	0	2127	55	1.9
14454.9	10000	38.8060	95.9520	-362	QAL	3.0	0	9.8	0	1.4	0	0.307	0	2.207	-1	7.183	0	2092	49	1.9
14455.0	10000	38.8060	95.9513	-363	QAL	2.7	-1	9.6	0	1.3	0	0.283	-1	2.027	-1	7.166	0	2074	42	1.9
14455.1	10000	38.8060	95.9505	-364	QAL	2.6	-1	9.2	0	1.3	0	0.277	-1	1.971	-1	7.108	0	2049	45	1.9
14455.2	10000	38.8060	95.9498	-365	QAL	2.4	-1	9.1	0	1.3	0	0.265	-1	1.862	-1	7.029	0	2037	43	1.9
14455.3	10000	38.8061	95.9491	-366	QAL	2.2	-2	9.6	0	1.2	0	0.225	-2	1.772	-1	7.865	0	2003	41	1.9
14455.4	10000	38.8061	95.9484	-369	PW	2.0	-2	10.0	0	1.2	0	0.202	-2	1.687	-2	8.356	0	2013	50	1.9
14455.5	10000	38.8061	95.9477	-371	PW	2.3	-1	10.4	1	1.2	0	0.217	-2	1.844	-1	8.517	0	2080	48	1.9
14455.6	10000	38.8061	95.9469	-373	PW	2.5	-1	10.6	1	1.2	0	0.241	-1	2.072	-1	8.612	0	2139	43	1.9
14455.7	10000	38.8062	95.9462	-375	PW	2.7	-1	10.9	1	1.2	0	0.247	-1	2.211	-1	8.937	1	2168	43	1.9
14455.8	10000	38.8062	95.9455	-378	PW	3.1	0	11.3	1	1.2	0	0.273	-1	2.479	0	9.096	1	2218	57	1.9
14455.9	10000	38.8062	95.9448	-380	PW	3.3	1	11.8	2	1.2	0	0.275	-1	2.764	1	10.046	2	2223	52	1.9
14456.0	10000	38.8062	95.9441	-383	PW	3.5	1	11.9	2	1.2	0	0.293	0	2.910	1	9.932	2	2249	52	1.9
14456.1	10000	38.8063	95.9433	-386	PW	3.7	1	12.1	2	1.2	0	0.314	0	3.089	1	9.831	2	2269	49	1.9
14456.2	10000	38.8063	95.9426	-388	PW	3.7	1	11.9	2	1.2	0	0.316	0	3.040	1	9.617	2	2254	47	1.9
14456.3	10000	38.8063	95.9419	-391	PW	3.6	1	11.7	2	1.2	0	0.300	0	2.736	1	9.108	2	2234	61	1.9
14456.4	10000	38.8063	95.9412	-393	PW	3.5	1	11.4	2	1.2	0	0.327	0	2.783	1	9.498	2	2237	42	1.9
14456.5	10000	38.8063	95.9404	-396	PW	3.5	1	11.3	2	1.2	0	0.325	0	2.610	1	9.041	2	2234	51	1.9
14456.6	10000	38.8064	95.9397	-398	PW	3.5	1	10.9	2	1.2	0	0.346	0	2.593	1	8.488	2	2251	42	1.9
14456.7	10000	38.8064	95.9390	-401	PW	3.5	1	10.7	2	1.2	0	0.359	0	2.585	1	8.209	2	2260	47	1.9
14456.8	10000	38.8064	95.9383	-404	PW	3.5	1	10.5	2	1.2	0	0.345	0	2.571	1	8.455	2	2246	42	1.9
14456.9	10000	38.8064	95.9376	-407	PW	3.5	1	10.1	2	1.2	0	0.349	0	2.632	1	8.543	2	2239	48	1.9
14457.0	10000	38.8064	95.9368	-409	PW	3.7	1	10.1	2	1.2	0	0.347	0	2.808	1	8.089	2	2250	39	1.9
14457.1	10000	38.8065	95.9361	-411	PW	3.5	1	10.1	2	1.2	0	0.320	0	2.603	1	8.142	2	2247	59	1.9
14457.2	10000	38.8065	95.9354	-413	PW	3.5	1	10.5	2	1.2	0	0.301	0	2.550	1	8.478	2	2236	42	1.9
14457.3	10000	38.8065	95.9347	-415	PW	3.4	1	10.6	2	1.2	0	0.280	0	2.421	1	8.653	2	2233	45	1.9
14457.4	10000	38.8065	95.9340	-417	PW	3.4	1	10.7	2	1.2	0	0.273	0	2.393	1	8.763	2	2230	40	1.9
14457.5	10000	38.8066	95.9332	-420	PW	3.3	1	10.7	2	1.2	0	0.264	0	2.329	1	8.822	2	2230	51	1.9
14457.6	10000	38.8066	95.9325	-422	PW	3.3	1	10.7	2	1.2	0	0.249	0	2.208	1	8.887	2	2251	50	1.9
14457.7	10000	38.8066	95.9318	-424	PW	3.2	1	10.7	2	1.2	0	0.247	0	2.152	1	8.697	2	2212	45	1.9
14457.8	10000	38.8066	95.9311	-425	PW	3.2	1	10.7	2	1.2	0	0.244	0	2.264	1	8.274	2	2204	42	1.9
14457.9	10000	38.8066	95.9304	-427	PW	3.2	1	10.7	2	1.2	0	0.255	0	2.277	1	8.931	2	2206	52	1.9
14458.0	10000	38.8067	95.9296	-428	PW	3.2	1	10.7	2	1.2	0	0.266	0	2.252	1	8.474	2	2208	38	1.9
14458.1	10000	38.8067	95.9289	-430	PW	3.2	1	10.7	2	1.2	0	0.243	0	2.093	1	8.619	2	2191	55	1.9
14458.2	10000	38.8067	95.9282	-431	PW	3.2	1	10.7	2	1.2	0	0.262	0	2.353	1	8.747	2	2207	60	1.9
14458.3	10000	38.8067	95.9275	-431	PW	3.2	1	10.7	2	1.2	0	0.288	0	2.493	1	8.416	2	2212	45	1.9
14458.4	10000	38.8067	95.9267	-432	PW	3.2	1	10.7	2	1.2	0	0.299	0	2.504	1	8.333	2	2221	51	1.9
14458.5	10000	38.8068	95.9260	-432	PW	3.2	1	10.7	2	1.2	0	0.300	0	2.679	1	8.344	2	2211	48	1.9
14458.6	10000	38.8068	95.9253	-432	PW	3.4	1	10.7	2	1.3	0	0.295	0	2.679	1	8.080	2	2203	58	1.9

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14458.7	10000	38.8068	95.9246	-432	PW	3.3	1	11.8	2	1.3	0	0.283	0	2.652	0	9.375	1	2196	42	1.9
14458.8	10000	38.8068	95.9239	-433	PW	3.4	1	11.5	2	1.2	0	0.297	0	2.744	1	9.230	1	2194	73	1.9
14458.9	10000	38.8069	95.9231	-433	PW	3.4	1	11.3	1	1.3	0	0.300	0	2.660	0	8.858	1	2188	61	1.9
14459.0	10000	38.8069	95.9224	-433	PW	3.3	1	11.9	2	1.2	0	0.279	0	2.661	0	9.523	1	2209	55	1.9
14459.1	10000	38.8069	95.9217	-433	PW	3.3	1	12.1	2	1.3	0	0.275	-1	2.618	0	9.526	1	2210	50	1.9
14459.2	10000	38.8069	95.9210	-433	PW	3.6	1	12.1	2	1.3	0	0.301	0	2.807	1	9.331	1	2226	46	1.9
14459.3	10000	38.8069	95.9203	-433	PW	3.5	1	11.9	2	1.3	1	0.292	0	2.628	0	9.010	1	2238	48	1.9
14459.4	10000	38.8070	95.9195	-434	PW	3.3	1	12.0	2	1.3	1	0.273	-1	2.478	0	9.094	1	2244	48	1.9
14459.5	10000	38.8070	95.9188	-435	PW	3.3	1	11.7	2	1.3	1	0.285	0	2.532	0	8.880	1	2264	55	1.9
14459.6	10000	38.8070	95.9181	-435	PW	3.2	1	11.3	1	1.4	1	0.288	0	2.382	0	8.272	0	2264	52	1.9
14459.7	10000	38.8070	95.9174	-436	PW	3.3	1	10.8	1	1.4	1	0.304	0	2.380	0	7.833	0	2248	46	1.9
14459.8	10000	38.8071	95.9167	-437	PW	3.4	1	10.7	1	1.3	1	0.316	0	2.556	0	8.087	0	2231	37	1.9
14459.9	10000	38.8071	95.9159	-438	PW	3.2	0	10.4	1	1.3	1	0.307	0	2.397	0	7.822	0	2230	55	1.8
14460.0	10000	38.8071	95.9152	-439	PW	3.4	1	10.3	0	1.3	1	0.329	1	2.588	0	7.865	0	2217	44	1.8
14460.1	10000	38.8071	95.9145	-440	PW	3.4	1	9.7	0	1.3	0	0.353	1	2.723	1	7.724	0	2199	52	1.8
14460.2	10000	38.8071	95.9138	-441	PW	3.7	2	9.8	0	1.3	0	0.377	2	2.935	1	7.782	0	2174	36	1.8
14460.3	10000	38.8072	95.9130	-443	PW	3.7	2	10.0	0	1.2	0	0.373	1	3.043	1	8.165	0	2161	48	1.8
14460.4	10000	38.8072	95.9123	-444	PW	3.7	2	10.0	0	1.2	0	0.369	1	2.979	1	8.065	0	2152	39	1.8
14460.5	10000	38.8072	95.9116	-445	PW	3.2	0	10.2	0	1.3	0	0.314	0	2.523	0	8.031	0	2158	40	1.8
14460.6	10000	38.8072	95.9109	-445	PW	3.2	0	10.3	0	1.3	0	0.310	0	2.530	0	8.169	0	2150	45	1.8
14460.7	10000	38.8073	95.9102	-446	PW	3.0	0	9.9	0	1.2	0	0.304	0	2.441	0	8.018	0	2159	48	1.8
14460.8	10000	38.8073	95.9094	-447	PW	3.3	1	10.3	0	1.2	0	0.320	0	2.711	1	8.465	0	2175	34	1.8
14460.9	10000	38.8073	95.9087	-448	PW	3.0	0	10.6	1	1.2	0	0.285	0	2.520	0	8.833	1	2181	48	1.8
14461.0	10000	38.8073	95.9080	-450	PW	3.0	0	10.5	1	1.2	0	0.288	0	2.525	0	8.763	1	2194	53	1.8
14461.1	10000	38.8073	95.9073	-451	PW	3.1	0	10.4	1	1.2	0	0.296	0	2.586	0	8.739	1	2202	49	1.8
14461.2	10000	38.8074	95.9066	-452	PW	3.2	1	10.0	1	1.2	0	0.323	0	2.802	1	8.676	1	2202	58	1.8
14461.3	10000	38.8074	95.9058	-454	PW	3.2	1	10.5	1	1.2	0	0.308	0	2.811	1	9.122	1	2206	42	1.8
14461.4	10000	38.8074	95.9051	-456	PW	3.3	1	10.6	1	1.2	0	0.313	0	2.807	1	8.957	1	2184	45	1.8
14461.5	10000	38.8074	95.9044	-457	PW	3.1	1	10.1	1	1.2	0	0.307	0	2.514	0	8.200	0	2165	46	1.8
14461.6	10000	38.8074	95.9037	-457	PW	3.0	0	9.7	0	1.2	0	0.313	0	2.452	0	7.844	0	2148	42	1.8
14461.7	10000	38.8075	95.9030	-456	PW	3.1	0	9.7	0	1.2	0	0.322	0	2.562	0	7.946	0	2126	46	1.8
14461.8	10000	38.8075	95.9022	-458	PW	2.9	0	9.6	0	1.2	0	0.302	0	2.464	0	8.154	0	2092	56	1.8
14461.9	10000	38.8075	95.9015	-462	PW	3.0	0	9.4	0	1.2	0	0.316	0	2.452	0	7.752	0	2079	45	1.8
14462.0	10000	38.8075	95.9008	-464	PW	3.1	0	8.8	0	1.2	0	0.349	0	2.516	-1	7.206	-1	2086	48	1.8
14462.1	10000	38.8076	95.9001	-465	PW	3.1	0	8.8	0	1.3	0	0.355	0	2.463	-1	6.946	-1	2094	49	1.8
14462.2	10000	38.8076	95.8993	-466	PW	3.3	1	8.9	0	1.3	0	0.365	0	2.524	-1	6.913	-1	2092	42	1.8
14462.3	10000	38.8076	95.8986	-466	PW	3.5	1	8.9	0	1.4	0	0.396	0	2.613	-2	6.604	-2	2110	54	1.8
14462.4	10000	38.8076	95.8979	-468	PW	3.4	1	8.8	0	1.4	0	0.389	0	2.444	-2	6.279	-2	2135	43	1.8
14462.5	10000	38.8076	95.8971	-469	PW	3.9	1	8.8	0	1.4	0	0.441	0	2.703	-2	6.129	-2	2151	46	1.8
14462.6	10000	38.8076	95.8964	-470	PW	4.0	2	9.4	0	1.5	0	0.421	0	2.668	-2	6.336	-2	2188	53	1.8
14462.7	10000	38.8077	95.8956	-471	PW	4.0	2	9.4	0	1.5	0	0.429	0	2.766	-2	6.447	-2	2192	65	1.8
14462.8	10000	38.8077	95.8949	-473	PW	4.0	2	9.5	0	1.4	0	0.424	0	2.806	-2	6.624	-2	2214	47	1.8
14462.9	10000	38.8077	95.8942	-473	PW	4.1	2	9.7	0	1.4	0	0.426	0	2.920	-1	6.855	-1	2240	52	1.8
14463.0	10000	38.8077	95.8934	-473	PW	3.7	2	9.8	0	1.4	0	0.383	0	2.696	-1	7.032	-1	2250	41	1.8
14463.1	10000	38.8077	95.8927	-474	PW	3.7	2	9.7	0	1.4	0	0.383	0	2.688	-1	7.024	-1	2237	47	1.8
14463.2	10000	38.8077	95.8919	-475	PW	3.7	2	10.0	0	1.4	0	0.368	0	2.645	-1	7.185	-1	2226	54	1.8
14463.3	10000	38.8077	95.8912	-475	PW	3.9	2	9.6	0	1.4	0	0.404	0	2.883	-1	7.132	-1	2201	45	1.8
14463.4	10000	38.8078	95.8904	-476	PW	3.8	2	9.5	0	1.4	0	0.399	0	2.763	-1	6.927	-1	2188	34	1.8
14463.5	10000	38.8078	95.8897	-477	PW	3.5	1	9.5	0	1.3	0	0.374	0	2.698	-1	7.217	-1	2165	68	1.8
14463.6	10000	38.8078	95.8889	-478	PW	3.4	1	9.3	0	1.3	0	0.360	0	2.577	-1	7.159	-1	2137	53	1.8
14463.7	10000	38.8078	95.8882	-479	PW	3.5	1	9.3	0	1.3	0	0.380	0	2.819	-1	7.426	-1	2104	46	1.8
14463.8	10000	38.8078	95.8875	-479	PW	3.4	1	9.8	0	1.2	0	0.345	1	2.844	0	8.238	0	2092	45	1.9

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14463.9	10000	38.8078	95.8867	-480	PW	3.1	0	10.2	0	1.2	0	0.305	0	2.682	0	8.804	1	2118	43	1.9
14464.0	10000	38.8078	95.8860	-481	PW	3.1	0	10.3	0	1.1	-1	0.297	0	2.679	0	9.005	1	2125	46	1.9
14464.1	10000	38.8079	95.8852	-481	PW	3.1	0	10.4	1	1.1	-1	0.297	0	2.775	1	9.347	1	2123	48	1.9
14464.2	10000	38.8079	95.8845	-482	PW	3.2	0	10.2	0	1.1	-1	0.309	0	2.793	1	9.031	1	2134	55	1.9
14464.3	10000	38.8079	95.8837	-483	PW	3.2	1	10.3	0	1.1	-1	0.313	0	2.849	1	9.090	1	2152	41	1.9
14464.4	10000	38.8079	95.8830	-483	PW	3.2	1	10.3	0	1.2	0	0.312	0	2.714	1	8.704	1	2197	36	1.9
14464.5	10000	38.8079	95.8823	-483	PW	3.3	1	10.0	0	1.2	0	0.325	0	2.668	0	8.206	0	2215	38	1.9
14464.6	10000	38.8079	95.8815	-484	PW	3.2	0	10.0	0	1.3	0	0.321	0	2.557	0	7.975	0	2220	57	1.9
14464.7	10000	38.8079	95.8808	-483	PW	3.0	0	10.4	1	1.3	0	0.293	0	2.404	0	8.207	0	2231	38	1.9
14464.8	10000	38.8080	95.8800	-483	PW	2.9	0	10.4	1	1.3	1	0.276	-1	2.179	-1	7.889	0	2245	43	1.9
14464.9	10000	38.8080	95.8793	-484	PW	3.1	0	10.5	1	1.3	1	0.295	0	2.299	0	7.783	0	2264	73	1.9
14465.0	10000	38.8080	95.8785	-484	PW	3.1	0	10.7	1	1.3	1	0.292	0	2.385	0	8.163	0	2278	44	1.9
14465.1	10000	38.8080	95.8778	-483	PW	3.2	0	11.1	1	1.3	0	0.285	0	2.489	0	8.739	1	2286	35	1.9
14465.2	10000	38.8080	95.8770	-483	PW	3.3	1	11.4	2	1.3	0	0.291	0	2.601	0	8.931	1	2317	41	1.9
14465.3	10000	38.8080	95.8763	-483	PW	3.4	1	11.4	2	1.3	1	0.298	0	2.580	0	8.660	1	2320	47	1.9
14465.4	10000	38.8080	95.8756	-484	PW	3.4	1	11.4	2	1.3	1	0.295	0	2.495	0	8.472	0	2323	47	2.0
14465.5	10000	38.8081	95.8748	-484	PW	3.5	1	11.5	2	1.3	1	0.303	0	2.639	0	8.709	1	2315	40	2.0
14465.6	10000	38.8081	95.8741	-485	PW	3.3	1	11.5	2	1.3	0	0.286	0	2.553	0	8.926	1	2303	44	2.0
14465.7	10000	38.8081	95.8733	-486	PW	3.3	1	11.2	1	1.4	1	0.291	0	2.399	0	8.256	0	2285	39	2.0
14465.8	10000	38.8081	95.8726	-485	PW	3.3	1	11.0	1	1.4	1	0.296	0	2.381	0	8.040	0	2267	55	2.0
14465.9	10000	38.8081	95.8718	-486	PW	3.0	0	10.9	1	1.4	1	0.280	0	2.240	0	8.001	0	2237	39	2.0
14466.0	10000	38.8081	95.8711	-486	PW	3.2	0	10.3	0	1.3	0	0.309	0	2.460	0	7.974	0	2200	56	2.0
14466.1	10000	38.8081	95.8704	-486	PW	3.2	1	9.9	0	1.3	0	0.326	0	2.492	0	7.650	-1	2187	34	2.0
14466.2	10000	38.8082	95.8696	-487	PW	3.2	1	10.0	0	1.3	0	0.322	0	2.500	0	7.768	0	2181	46	2.0
14466.3	10000	38.8082	95.8689	-487	PW	3.2	1	10.1	0	1.3	0	0.318	0	2.523	0	7.941	0	2180	47	2.0
14466.4	10000	38.8082	95.8681	-487	PW	3.2	0	10.2	0	1.2	0	0.309	0	2.534	0	8.201	0	2174	51	2.0
14466.5	10000	38.8082	95.8674	-488	PW	3.3	1	10.1	0	1.3	0	0.324	0	2.580	0	7.951	0	2181	56	2.0
14466.6	10000	38.8082	95.8666	-487	PW	3.4	1	10.4	1	1.3	0	0.328	1	2.665	0	8.118	0	2191	38	2.0
14466.7	10000	38.8082	95.8659	-487	PW	3.2	0	10.9	1	1.3	0	0.290	0	2.478	0	8.554	0	2214	53	2.0
14466.8	10000	38.8082	95.8651	-488	PW	3.2	1	10.8	1	1.2	0	0.300	0	2.628	0	8.751	0	2213	54	2.0
14466.9	10000	38.8083	95.8644	-488	PW	3.2	1	10.9	1	1.3	0	0.294	0	2.544	0	8.668	0	2220	41	2.0
14467.0	10000	38.8083	95.8637	-489	PW	3.2	1	10.7	1	1.3	0	0.304	0	2.567	0	8.449	0	2210	42	2.0
14467.1	10000	38.8083	95.8629	-489	PW	3.3	1	10.9	1	1.3	0	0.305	0	2.573	0	8.448	0	2219	39	2.0
14467.2	10000	38.8083	95.8622	-490	PW	3.2	1	10.7	1	1.2	0	0.302	0	2.580	0	8.542	0	2211	43	2.1
14467.3	10000	38.8083	95.8614	-490	PW	3.1	0	10.6	1	1.2	0	0.296	0	2.594	0	8.753	0	2192	49	2.1
14467.4	10000	38.8083	95.8607	-490	PW	3.3	1	10.4	1	1.3	0	0.317	0	2.526	0	7.978	0	2204	51	2.1
14467.5	10000	38.8083	95.8599	-490	PW	3.1	0	11.0	1	1.4	0	0.280	0	2.265	0	8.081	0	2211	48	2.1
14467.6	10000	38.8083	95.8592	-491	PW	3.2	0	10.8	1	1.4	0	0.294	0	2.345	0	7.988	0	2229	41	2.1
14467.7	10000	38.8084	95.8584	-492	PW	3.0	0	10.9	1	1.4	0	0.279	0	2.236	0	8.027	0	2237	52	2.1
14467.8	10000	38.8084	95.8577	-492	PW	3.2	0	11.1	1	1.3	0	0.288	0	2.390	0	8.302	0	2250	50	2.1
14467.9	10000	38.8084	95.8570	-492	PW	3.1	0	11.1	1	1.3	0	0.280	0	2.401	0	8.561	0	2244	45	2.1
14468.0	10000	38.8084	95.8562	-493	PW	3.0	0	11.1	1	1.4	0	0.275	-1	2.239	0	8.154	0	2246	55	2.1
14468.1	10000	38.8084	95.8555	-494	PW	3.2	0	10.9	1	1.3	0	0.291	0	2.502	0	8.602	0	2240	55	2.1
14468.2	10000	38.8084	95.8547	-494	PW	3.3	1	10.7	1	1.2	0	0.308	0	2.698	0	8.766	0	2233	58	2.1
14468.3	10000	38.8084	95.8540	-495	PW	3.2	1	10.8	1	1.2	0	0.295	0	2.673	0	9.073	0	2206	43	2.1
14468.4	10000	38.8085	95.8532	-495	PW	3.3	1	10.8	1	1.2	0	0.305	0	2.888	0	9.456	0	2189	31	2.1
14468.5	10000	38.8085	95.8525	-496	PW	3.1	0	10.6	1	1.2	0	0.290	0	2.646	0	9.123	0	2167	54	2.1
14468.6	10000	38.8085	95.8518	-496	PW	2.8	-1	10.5	1	1.2	-1	0.264	-1	2.294	0	8.676	0	2160	62	2.1
14468.7	10000	38.8085	95.8510	-496	PW	2.6	-1	10.2	0	1.2	-1	0.253	-1	2.227	-1	8.455	0	2151	44	2.1
14468.8	10000	38.8085	95.8503	-496	PW	2.6	-1	10.8	1	1.2	-1	0.239	-1	2.124	-1	8.872	0	2151	40	2.2
14468.9	10000	38.8085	95.8495	-497	PW	2.6	-1	10.4	1	1.3	-1	0.254	-1	2.102	-1	8.280	0	2149	36	2.2
14469.0	10000	38.8085	95.8488	-497	PW	2.5	-1	10.1	0	1.3	-1	0.243	-1	1.940	-1	7.988	0	2143	52	2.2

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14469.1	10000	38.8086	95.8480	-497	PW	2.7	-1	10.4	1	1.3	1	0.256	-1	2.037	-1	7.956	0	2156	37	2.2
14469.2	10000	38.8086	95.8473	-497	PW	2.7	-1	10.3	0	1.3	0	0.261	-1	2.062	-1	7.906	0	2155	36	2.2
14469.3	10000	38.8086	95.8465	-497	PW	2.9	0	10.4	1	1.3	1	0.282	0	2.207	-1	7.831	0	2158	51	2.2
14469.4	10000	38.8086	95.8458	-497	PW	2.9	0	10.7	1	1.3	1	0.269	-1	2.147	-1	7.973	0	2171	52	2.2
14469.5	10000	38.8086	95.8451	-497	PW	2.8	0	10.3	0	1.4	1	0.276	-1	2.097	-1	7.598	-1	2150	49	2.2
14469.6	10000	38.8086	95.8443	-497	PW	2.7	-1	10.4	1	1.3	1	0.260	-1	2.024	-1	7.794	0	2134	44	2.2
14469.7	10000	38.8086	95.8436	-497	PW	3.0	0	10.6	1	1.4	1	0.285	0	2.234	0	7.841	0	2153	55	2.2
14469.8	10000	38.8087	95.8428	-497	PW	2.5	-1	10.2	0	1.3	1	0.244	-1	1.870	-1	7.647	-1	2132	37	2.2
14469.9	10000	38.8087	95.8421	-498	PW	2.6	-1	10.0	0	1.3	1	0.261	-1	1.957	-1	7.488	-1	2141	51	2.2
14470.0	10000	38.8087	95.8413	-498	PW	2.6	-1	10.3	0	1.3	0	0.253	-1	2.049	-1	8.083	0	2131	47	2.2
14470.1	10000	38.8087	95.8406	-498	PW	3.0	0	10.2	0	1.2	0	0.292	0	2.403	0	8.238	0	2124	33	2.2
14470.2	10000	38.8087	95.8399	-499	PW	3.0	0	9.9	0	1.2	0	0.301	0	2.443	0	8.106	0	2132	37	2.2
14470.3	10000	38.8087	95.8391	-499	PW	3.0	0	10.1	0	1.2	0	0.298	0	2.470	0	8.276	0	2139	39	2.2
14470.4	10000	38.8087	95.8384	-499	PW	2.9	0	9.8	0	1.2	0	0.299	0	2.421	0	8.087	0	2128	41	2.2
14470.5	10000	38.8087	95.8376	-499	PW	3.1	0	10.1	0	1.2	0	0.305	0	2.549	0	8.356	0	2145	40	2.2
14470.6	10000	38.8088	95.8369	-499	PW	3.2	0	10.2	0	1.2	0	0.309	0	2.630	0	8.516	0	2138	56	2.2
14470.7	10000	38.8088	95.8361	-500	PW	3.2	0	10.0	0	1.2	0	0.316	0	2.642	0	8.368	0	2153	40	2.2
14470.8	10000	38.8088	95.8354	-500	PW	3.1	0	9.8	0	1.2	0	0.317	0	2.585	0	8.149	0	2155	49	2.2
14470.9	10000	38.8088	95.8346	-500	PW	3.2	1	9.9	0	1.2	0	0.326	1	2.700	1	8.274	0	2168	56	2.2
14471.0	10000	38.8088	95.8339	-500	PW	3.2	1	9.7	0	1.2	0	0.332	1	2.703	1	8.146	0	2176	58	2.2
14471.1	10000	38.8088	95.8332	-500	PW	3.2	0	10.4	1	1.2	0	0.307	0	2.680	0	8.727	1	2186	45	2.2
14471.2	10000	38.8088	95.8324	-499	PW	3.1	0	10.0	0	1.2	0	0.312	0	2.604	0	8.351	0	2172	52	2.2
14471.3	10000	38.8089	95.8317	-499	PW	3.1	0	10.2	0	1.2	0	0.301	0	2.463	0	8.191	0	2168	51	2.2
14471.4	10000	38.8089	95.8309	-499	PW	3.1	0	9.9	0	1.3	0	0.316	0	2.474	0	7.824	0	2135	49	2.2
14471.5	10000	38.8089	95.8302	-498	PW	2.9	0	9.6	0	1.3	0	0.302	0	2.274	0	7.533	-1	2121	48	2.2
14471.6	10000	38.8089	95.8294	-499	PW	3.0	0	9.6	0	1.3	0	0.311	0	2.338	0	7.521	-1	2107	55	2.2
14471.7	10000	38.8089	95.8287	-498	PW	3.2	0	9.8	0	1.3	0	0.330	0	2.596	0	7.862	0	2091	56	2.2
14471.8	10000	38.8089	95.8279	-498	PW	3.1	0	9.8	0	1.3	0	0.347	0	2.561	0	7.379	-1	2071	41	2.2
14471.9	10000	38.8089	95.8272	-498	PW	3.5	0	10.1	0	1.3	0	0.375	0	2.962	0	7.891	0	2086	44	2.2
14472.0	10000	38.8090	95.8265	-498	PW	3.4	0	9.9	0	1.3	0	0.344	0	2.078	0	7.937	0	2081	42	2.2
14472.1	10000	38.8090	95.8257	-498	PW	3.5	0	9.9	0	1.3	0	0.32[illegible]	0	2.102	0	7.584	-1	2112	55	2.2
14472.2	10000	38.8090	95.8250	-498	PW	3.5	0	9.8	0	1.3	0	0.328	0	2.422	0	7.437	-1	2126	43	2.2
14472.3	10000	38.8090	95.8242	-498	PW	3.5	0	9.8	0	1.3	0	0.290	0	2.049	0	7.513	-1	2136	50	2.2
14472.4	10000	38.8090	95.8235	-498	PW	3.5	0	9.8	0	1.3	0	0.248	0	2.578	0	7.391	-1	2168	59	2.2
14472.5	10000	38.8090	95.8227	-498	PW	3.5	0	9.8	0	1.3	0	0.248	0	2.554	0	7.303	-1	2176	47	2.2
14472.6	10000	38.8090	95.8220	-498	PW	3.5	0	9.8	0	1.3	0	0.236	0	2.340	0	7.906	-1	2166	58	2.2
14472.7	10000	38.8091	95.8213	-498	PW	3.5	0	9.8	0	1.3	0	0.254	0	2.305	0	7.066	-1	2163	53	2.2
14472.8	10000	38.8091	95.8205	-498	PW	3.5	0	9.8	0	1.3	0	0.260	0	2.250	0	7.643	-1	2166	45	2.2
14472.9	10000	38.8091	95.8198	-498	PW	3.5	0	9.8	0	1.3	0	0.257	0	2.045	0	7.964	-1	2169	48	2.2
14473.0	10000	38.8091	95.8190	-498	PW	3.5	0	9.8	0	1.3	0	0.266	0	2.006	0	7.531	-1	2170	52	2.2
14473.1	10000	38.8091	95.8183	-498	PW	3.5	0	9.8	0	1.3	0	0.268	0	2.044	0	7.641	-1	2163	53	2.2
14473.2	10000	38.8091	95.8175	-498	PW	3.5	0	9.8	0	1.3	0	0.239	0	1.879	0	7.857	-1	2166	47	2.2
14473.3	10000	38.8091	95.8168	-498	PW	3.5	0	9.8	0	1.3	0	0.234	0	1.853	0	7.927	-1	2188	40	2.2
14473.4	10000	38.8092	95.8160	-499	PW	3.5	0	9.8	0	1.3	0	0.238	0	1.907	0	8.005	-1	2166	33	2.2
14473.5	10000	38.8092	95.8153	-499	PW	3.5	0	9.8	0	1.3	0	0.231	0	1.914	0	8.279	-1	2158	38	2.2
14473.6	10000	38.8092	95.8146	-499	PW	3.5	0	9.8	0	1.3	0	0.237	0	1.920	0	8.929	-1	2146	60	2.2
14473.7	10000	38.8092	95.8138	-500	PW	3.5	0	9.8	0	1.3	0	0.247	0	2.272	0	9.198	-1	2135	57	2.2
14473.8	10000	38.8092	95.8131	-500	PW	3.5	0	9.8	0	1.3	0	0.266	0	2.463	0	9.276	-1	2131	81	2.2
14473.9	10000	38.8092	95.8123	-500	PW	3.5	0	9.8	0	1.3	0	0.282	0	2.857	0	9.490	-1	2122	47	2.2
14474.0	10000	38.8092	95.8116	-499	PW	3.5	0	9.8	0	1.3	0	0.287	0	2.695	0	9.555	-1	2134	57	2.2
14474.1	10000	38.8092	95.8108	-500	PW	3.5	0	9.8	0	1.3	0	0.291	0	2.871	0	9.008	-1	2124	54	2.2
14474.2	10000	38.8093	95.8101	-503	PW	3.2	0	9.8	0	1.3	0	0.[illegible]	0	2.885	0	9.931	-1	2134	38	2.2

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14474.3	10000	38.8093	95.8094	-505	PW	2.9	0	10.7	1	1.1	-1	0.276	-1	2.606	0	9.458	1	2130	55	2.1
14474.4	10000	38.8093	95.8086	-507	PW	2.9	0	10.9	1	1.1	-1	0.269	-1	2.579	0	9.603	1	2139	51	2.1
14474.5	10000	38.8093	95.8079	-509	PW	3.0	0	10.8	1	1.2	0	0.275	-1	2.556	0	9.304	1	2134	42	2.0
14474.6	10000	38.8093	95.8071	-511	PW	3.0	0	10.8	1	1.2	0	0.272	-1	2.501	0	9.183	1	2168	54	2.0
14474.7	10000	38.8093	95.8064	-514	PW	3.1	0	10.8	1	1.2	0	0.289	0	2.684	0	9.289	1	2193	54	2.0
14474.8	10000	38.8093	95.8056	-516	PW	2.9	0	10.9	1	1.2	0	0.270	-1	2.384	0	8.818	1	2223	37	2.0
14474.9	10000	38.8094	95.8049	-518	PW	2.8	0	10.7	1	1.2	0	0.266	-1	2.349	0	8.845	1	2218	46	2.0
14475.0	10000	38.8094	95.8041	-521	PW	2.8	0	11.0	1	1.2	0	0.254	-1	2.330	0	9.167	1	2222	35	2.0
14475.1	10000	38.8094	95.8034	-524	PW	3.1	0	11.3	1	1.2	0	0.277	0	2.552	0	9.199	1	2243	58	2.0
14475.2	10000	38.8094	95.8027	-526	PW	3.2	0	11.6	2	1.3	0	0.273	-1	2.482	0	9.097	1	2276	40	2.0
14475.3	10000	38.8094	95.8019	-528	PW	3.1	0	11.8	2	1.4	1	0.264	-1	2.285	0	8.644	0	2291	44	2.0
14475.4	10000	38.8094	95.8012	-530	PW	3.3	1	11.6	2	1.4	1	0.290	0	2.329	0	8.040	0	2296	36	2.0
14475.5	10000	38.8094	95.8004	-532	PW	3.5	1	11.0	1	1.4	1	0.319	0	2.435	0	7.642	-1	2307	49	2.0
14475.6	10000	38.8095	95.7997	-535	PW	3.5	1	10.9	1	1.5	2	0.322	0	2.304	0	7.161	-1	2327	47	2.0
14475.7	10000	38.8095	95.7989	-537	PW	3.8	2	10.3	0	1.5	2	0.365	1	2.485	0	6.803	-1	2319	40	2.0
14475.8	10000	38.8095	95.7982	-539	PW	3.4	1	10.3	0	1.5	2	0.332	1	2.259	0	6.813	-1	2292	44	1.9
14475.9	10000	38.8095	95.7974	-541	PW	3.4	1	10.4	1	1.4	1	0.325	0	2.340	0	7.210	-1	2261	34	1.9
14476.0	10000	38.8095	95.7967	-543	PW	3.2	0	10.4	1	1.4	1	0.309	0	2.322	0	7.524	-1	2218	44	1.9
14476.1	10000	38.8095	95.7960	-544	PW	3.1	0	10.6	1	1.3	1	0.289	0	2.296	0	7.940	0	2195	42	1.9
14476.2	10000	38.8095	95.7952	-546	PW	2.8	0	10.8	1	1.3	0	0.261	-1	2.169	-1	8.295	0	2168	55	1.9
14476.3	10000	38.8095	95.7944	-547	PW	3.1	0	11.3	2	1.3	0	0.270	-1	2.410	0	8.933	1	2168	45	1.9
14476.4	10000	38.8095	95.7936	-549	PW	3.0	0	11.3	1	1.3	0	0.263	-1	2.348	0	8.936	1	2179	48	1.9
14476.5	10000	38.8095	95.7928	-551	PW	3.1	0	10.9	1	1.3	0	0.282	0	2.388	0	8.460	0	2189	55	1.9
14476.6	10000	38.8096	95.7920	-552	PW	3.3	1	10.6	1	1.3	1	0.309	0	2.515	0	8.148	0	2201	41	1.9
14476.7	10000	38.8096	95.7912	-553	PW	3.4	1	10.3	1	1.3	0	0.333	1	2.703	1	8.109	0	2213	46	1.9
14476.8	10000	38.8096	95.7904	-555	PW	3.2	1	10.1	0	1.3	1	0.323	0	2.477	0	7.679	0	2215	40	1.9
14476.9	10000	38.8096	95.7896	-556	PW	3.1	1	10.3	1	1.3	1	0.301	0	2.318	0	7.706	0	2210	45	1.9
14477.0	10000	38.8096	95.7888	-557	PW	2.9	0	10.3	1	1.3	0	0.300	0	2.224	0	7.424	0	2200	47	1.9
14477.1	10000	38.8096	95.7879	-559	PW	3.0	0	10.4	1	1.4	0	0.299	0	2.199	0	7.365	0	2205	41	1.9
14477.2	10000	38.8096	95.7872	-559	PW	2.9	0	10.4	1	1.4	0	0.286	-1	2.127	0	7.449	0	2205	52	1.9
14477.3	10000	38.8096	95.7863	-559	PW	2.8	0	10.4	1	1.4	0	0.284	-1	2.066	0	7.281	0	2201	37	1.9
14477.4	10000	38.8096	95.7856	-560	PW	2.8	0	10.4	1	1.4	0	0.286	-1	2.058	0	7.201	0	2184	41	1.9
14477.5	10000	38.8096	95.7847	-560	PW	2.8	0	10.3	1	1.4	0	0.318	0	2.419	0	7.597	0	2183	46	1.9
14477.6	10000	38.8096	95.7840	-560	PW	2.8	0	10.2	1	1.4	0	0.352	0	2.813	0	7.985	0	2170	57	1.9
14477.7	10000	38.8096	95.7831	-559	PW	2.8	0	10.1	1	1.4	0	0.330	0	2.700	0	7.192	0	2170	34	1.9
14477.8	10000	38.8096	95.7823	-559	PW	2.8	0	10.2	1	1.4	0	0.356	0	2.927	0	7.230	0	2168	34	1.9
14477.9	10000	38.8096	95.7815	-558	PW	2.8	0	10.3	1	1.4	0	0.353	0	2.970	0	7.708	0	2152	52	1.9
14478.0	10000	38.8096	95.7807	-557	PW	2.8	0	10.3	1	1.4	0	0.318	0	2.996	0	8.406	0	2163	50	1.9
14478.1	10000	38.8096	95.7800	-556	PW	2.8	0	10.3	1	1.4	0	0.318	0	3.016	0	8.478	0	2186	44	1.9
14478.2	10000	38.8096	95.7791	-555	PW	2.8	0	10.3	1	1.4	0	0.297	0	2.873	0	8.678	0	2189	58	1.9
14478.3	10000	38.8097	95.7784	-553	PW	2.8	0	10.3	1	1.4	0	0.291	0	2.628	0	8.037	0	2225	49	1.9
14478.4	10000	38.8097	95.7775	-553	PW	2.8	0	10.3	1	1.4	0	0.302	0	2.711	0	8.968	0	2239	54	1.9
14478.5	10000	38.8097	95.7767	-553	PW	2.8	0	10.3	1	1.4	0	0.264	0	2.549	0	8.658	0	2255	51	1.9
14478.6	10000	38.8097	95.7759	-552	PW	2.8	0	10.3	1	1.4	0	0.278	0	2.555	0	8.189	0	2267	42	1.9
14478.7	10000	38.8097	95.7751	-552	PW	2.8	0	10.3	1	1.4	0	0.304	0	2.576	0	8.483	0	2260	43	1.9
14478.8	10000	38.8097	95.7743	-551	PW	2.8	0	10.3	1	1.4	0	0.289	0	2.541	0	8.107	0	2248	51	1.9
14478.9	10000	38.8097	95.7735	-550	PW	2.8	0	10.3	1	1.4	0	0.301	0	2.576	0	8.714	0	2254	43	1.9
14479.0	10000	38.8097	95.7727	-549	PW	2.8	0	10.3	1	1.4	0	0.302	0	2.541	0	8.790	0	2259	44	1.9
14479.1	10000	38.8097	95.7719	-548	PW	2.8	0	10.3	1	1.4	0	0.288	0	2.462	0	8.654	0	2250	42	1.9
14479.2	10000	38.8097	95.7711	-547	PW	2.8	0	10.3	1	1.4	0	0.305	0	2.525	0	8.016	0	2242	50	1.9
14479.3	10000	38.8097	95.7703	-547	PW	2.8	0	10.3	1	1.4	0	0.286	0	2.388	0	8.015	0	2234	55	1.9
14479.4	10000	38.8097	95.7695	-545	PW	2.9	0	10.2	1	1.5	-1	0.284	-1	2.385	0	8.398	0	2231	38	1.8

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14479.5	10000	38.8097	95.7687	-544	PW	3.2	0	10.2	0	1.5	1	0.312	0	2.183	-1	6.991	-1	2219	54	1.8
14479.6	10000	38.8097	95.7679	-543	PW	3.2	0	10.1	0	1.4	1	0.315	0	2.207	-1	7.012	-1	2192	44	1.8
14479.7	10000	38.8097	95.7671	-542	PW	3.0	0	9.7	0	1.4	1	0.314	0	2.138	-1	6.817	-1	2158	44	1.8
14479.8	10000	38.8097	95.7663	-540	PW	3.3	1	9.5	0	1.4	1	0.348	1	2.441	0	7.008	-1	2151	48	1.8
14479.9	10000	38.8097	95.7655	-540	PW	3.3	1	9.5	0	1.2	0	0.349	1	2.682	0	7.676	0	2128	54	1.8
14480.0	10000	38.8098	95.7647	-538	PW	3.4	1	9.6	0	1.2	0	0.351	1	2.802	1	7.986	0	2134	63	1.8
14480.1	10000	38.8098	95.7639	-537	PW	3.5	1	9.8	0	1.2	0	0.359	1	2.947	1	8.204	0	2129	44	1.8
14480.2	10000	38.8098	95.7631	-536	PW	3.5	1	9.5	0	1.2	0	0.369	1	3.001	1	8.139	0	2117	42	1.8
14480.3	10000	38.8098	95.7623	-535	PW	3.3	1	9.3	-1	1.1	0	0.359	1	2.916	1	8.132	0	2097	41	1.8
14480.4	10000	38.8098	95.7615	-533	PW	3.5	1	9.9	0	1.1	-1	0.353	1	3.086	1	8.744	1	2088	57	1.8
14480.5	10000	38.8098	95.7607	-532	PW	3.0	0	9.6	0	1.1	0	0.312	0	2.616	0	8.393	0	2067	29	1.8
14480.6	10000	38.8098	95.7599	-530	PW	3.1	0	9.4	-1	1.2	0	0.332	1	2.614	0	7.87[illegible]	0	2052	50	1.8
14480.7	10000	38.8098	95.7591	-528	PW	3.2	0	9.3	-1	1.2	0	0.340	1	2.644	0	7.782	0	2033	54	1.8
14480.8	10000	38.8098	95.7583	-526	PW	3.1	0	9.5	0	1.2	0	0.325	0	2.600	0	8.003	0	2036	39	1.8
14480.9	10000	38.8098	95.7575	-524	PW	3.0	0	9.8	0	1.2	0	0.308	0	2.537	0	8.234	0	2047	38	1.8
14481.0	10000	38.8098	95.7567	-523	PW	3.0	0	10.0	0	1.2	0	0.302	0	2.488	0	8.242	0	2069	56	1.8
14481.1	10000	38.8098	95.7559	-521	PW	3.0	0	9.8	0	1.2	0	0.311	0	2.452	0	7.889	0	2081	41	1.8
14481.2	10000	38.8098	95.7551	-519	PW	2.9	0	10.5	1	1.3	0	0.278	0	2.295	0	8.250	0	2094	45	1.8
14481.3	10000	38.8098	95.7543	-517	PW	2.7	-1	11.0	1	1.3	0	0.248	-1	2.133	-1	8.592	0	2113	37	1.8
14481.4	10000	38.8098	95.7535	-516	PW	2.7	0	11.0	1	1.3	0	0.248	-1	2.146	-1	8.655	0	2139	54	1.8
14481.5	10000	38.8098	95.7527	-514	PW	2.6	-1	10.6	1	1.2	0	0.246	-1	2.095	-1	8.502	0	2125	38	1.8
14481.6	10000	38.8099	95.7519	-513	PW	2.6	-1	10.6	1	1.3	0	0.244	-1	2.036	-1	8.334	0	2126	41	1.8
14481.7	10000	38.8099	95.7511	-512	PW	2.7	-1	10.5	1	1.3	0	0.257	-1	2.142	-1	8.333	0	2139	29	1.8
14481.8	10000	38.8099	95.7503	-510	PW	2.9	0	10.4	1	1.2	0	0.282	0	2.397	0	8.504	0	2132	53	1.8
14481.9	10000	38.8099	95.7495	-508	PW	3.0	0	9.9	0	1.3	0	0.303	0	2.405	0	7.949	0	2145	41	1.8
14482.0	10000	38.8099	95.7487	-506	PW	3.2	0	10.2	1	1.3	0	0.310	0	2.507	0	8.081	0	2151	48	1.8
14482.1	10000	38.8099	95.7479	-504	PW	3.3	1	10.2	1	1.3	0	0.320	0	2.575	0	8.038	0	2127	46	1.8
14482.2	10000	38.8099	95.7471	-503	PW	3.4	1	10.2	1	1.2	0	0.314	0	2.656	0	8.462	0	2120	49	1.8
14482.3	10000	38.8099	95.7463	-502	PW	3.4	1	10.0	1	1.2	0	0.324	0	2.714	0	8.370	0	2112	45	1.8
14482.4	10000	38.8099	95.7455	-501	PW	3.5	1	9.9	1	1.2	0	0.335	0	2.883	0	8.614	0	2081	51	1.8
14482.5	10000	38.8099	95.7447	-500	PW	3.5	1	10.0	1	1.2	0	0.281	0	2.513	0	8.959	0	2085	47	1.8
14482.6	10000	38.8099	95.7439	-498	PW	3.5	1	10.3	1	1.2	0	0.280	0	2.554	0	9.130	0	2079	61	1.8
14482.7	10000	38.8099	95.7431	-498	PW	3.5	1	10.2	1	1.2	0	0.300	0	2.640	0	8.807	0	2068	50	1.8
14482.8	10000	38.8099	95.7423	-496	PW	3.5	1	10.2	1	1.2	0	0.293	0	2.552	0	8.712	0	2077	45	1.8
14482.9	10000	38.8099	95.7415	-496	PW	3.5	1	10.3	1	1.2	0	0.305	0	2.559	0	8.401	0	2083	49	1.8
14483.0	10000	38.8099	95.7407	-494	PW	3.5	1	10.3	1	1.2	0	0.293	0	2.489	0	8.497	0	2084	57	1.8
14483.1	10000	38.8099	95.7399	-493	PW	3.5	1	10.5	1	1.2	0	0.259	0	2.190	-1	8.449	0	2114	36	1.8
14483.2	10000	38.8099	95.7391	-490	PW	3.5	1	10.1	1	1.2	0	0.271	0	2.120	-1	7.826	0	2120	23	1.8
14483.3	10000	38.8099	95.7383	-489	PW	3.5	1	10.1	1	1.2	0	0.273	0	2.225	-1	8.150	0	2134	39	1.8
14483.4	10000	38.8100	95.7375	-489	PW	3.5	1	10.1	1	1.2	0	0.255	0	2.019	-1	7.906	0	2144	47	1.8
14483.5	10000	38.8100	95.7367	-488	PW	3.5	1	9.9	1	1.2	0	0.245	0	1.973	-1	8.049	0	2157	44	1.8
14483.6	10000	38.8100	95.7359	-487	PW	3.5	1	9.7	1	1.2	0	0.260	0	2.011	-1	7.727	0	2159	50	1.8
14483.7	10000	38.8100	95.7351	-485	PW	3.5	1	9.6	1	1.2	0	0.257	0	1.989	-1	7.742	0	2157	48	1.8
14483.8	10000	38.8100	95.7343	-484	PW	3.7	1	9.7	1	1.2	0	0.290	0	2.301	-1	7.924	0	2149	52	1.8
14483.9	10000	38.8100	95.7335	-484	PW	3.8	1	9.8	1	1.2	0	0.270	0	2.350	-1	7.719	0	2138	49	1.8
14484.0	10000	38.8100	95.7327	-482	PW	3.8	1	9.9	1	1.2	0	0.267	0	2.294	-1	7.576	0	2137	45	1.8
14484.1	10000	38.8100	95.7319	-482	PW	3.8	1	10.0	1	1.2	0	0.271	0	2.586	-1	7.549	0	2132	44	1.8
14484.2	10000	38.8100	95.7311	-481	PW	3.8	1	10.1	1	1.2	0	0.300	0	2.788	-1	7.290	0	2125	43	1.8
14484.3	10000	38.8100	95.7303	-480	PW	3.8	1	10.1	1	1.2	0	0.283	0	2.668	-1	7.425	0	2130	43	1.8
14484.4	10000	38.8100	95.7295	-479	PW	3.8	1	10.1	1	1.2	0	0.283	0	2.771	-1	7.780	0	2157	43	1.8
14484.5	10000	38.8100	95.7287	-478	PW	3.8	1	10.1	1	1.2	0	0.279	0	2.638	-1	7.439	0	2167	46	1.8
14484.6	10000	38.8100	95.7279	-477	PW	3.5	1	10.8	1	1.2	0	0.322	0	2.979	-1	9.250	0	2188	50	1.8

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14484.7	10000	38.8100	95.7271	-476	PW	3.3	1	10.8	1	1.2	0	0.305	0	2.790	1	9.156	1	2186	55	1.9
14484.8	10000	38.8100	95.7263	-475	PW	3.2	0	10.4	1	1.2	0	0.307	0	2.668	0	8.697	1	2189	56	1.9
14484.9	10000	38.8100	95.7255	-474	PW	3.1	0	10.5	1	1.2	0	0.294	0	2.667	0	9.066	1	2197	53	1.9
14485.0	10000	38.8101	95.7247	-473	PW	3.2	0	10.8	1	1.2	0	0.295	0	2.768	1	9.375	1	2212	47	1.9
14485.1	10000	38.8101	95.7239	-472	PW	3.1	0	10.6	1	1.1	-1	0.287	0	2.700	0	9.421	1	2197	41	1.9
14485.2	10000	38.8101	95.7231	-471	PW	2.9	0	10.6	1	1.1	-1	0.277	0	2.648	0	9.541	1	2199	59	1.9
14485.3	10000	38.8101	95.7223	-470	PW	2.9	0	10.5	1	1.1	-1	0.271	-1	2.563	0	9.448	1	2202	47	1.9
14485.4	10000	38.8101	95.7215	-469	PW	3.2	0	10.8	1	1.1	-1	0.292	0	2.808	1	9.611	1	2199	55	1.9
14485.5	10000	38.8101	95.7207	-468	PW	3.3	1	10.8	1	1.1	-1	0.302	0	2.946	1	9.744	2	2186	43	1.9
14485.6	10000	38.8101	95.7199	-467	PW	3.1	0	10.9	1	1.2	0	0.281	0	2.651	0	9.428	1	2186	50	1.9
14485.7	10000	38.8101	95.7191	-467	PW	3.1	0	10.8	1	1.1	-1	0.290	0	2.745	1	9.470	1	2163	48	1.9
14485.8	10000	38.8101	95.7183	-466	PW	3.2	1	10.8	1	1.2	0	0.297	0	2.776	1	9.342	1	2163	42	1.9
14485.9	10000	38.8101	95.7175	-465	PW	3.3	1	10.9	1	1.2	0	0.306	0	2.857	1	9.344	1	2148	34	1.9
14486.0	10000	38.8101	95.7167	-464	PW	3.2	0	11.0	1	1.2	0	0.288	0	2.657	0	9.223	1	2123	48	1.9
14486.1	10000	38.8101	95.7159	-462	PW	3.1	0	10.6	1	1.2	0	0.295	0	2.639	0	8.931	1	2115	51	1.9
14486.2	10000	38.8101	95.7151	-462	PW	3.0	0	10.8	1	1.2	0	0.276	-1	2.416	0	8.764	1	2135	40	1.9
14486.3	10000	38.8101	95.7143	-461	PW	3.2	0	10.4	1	1.2	0	0.302	0	2.563	0	8.482	0	2148	50	1.9
14486.4	10000	38.8101	95.7135	-460	PW	3.2	0	10.6	1	1.3	1	0.299	0	2.386	0	7.977	0	2181	49	1.9
14486.5	10000	38.8101	95.7127	-459	PW	3.3	1	10.5	1	1.4	1	0.312	0	2.390	0	7.660	-1	2183	39	1.9
14486.6	10000	38.8101	95.7119	-459	PW	3.5	1	10.3	0	1.4	1	0.337	1	2.543	0	7.545	-1	2191	51	1.9
14486.7	10000	38.8101	95.7111	-458	PW	3.8	2	10.3	0	1.4	1	0.371	1	2.784	1	7.504	-1	2231	53	1.9
14486.8	10000	38.8102	95.7103	-457	PW	3.9	2	10.4	1	1.3	1	0.375	2	2.919	1	7.785	0	2246	40	1.9
14486.9	10000	38.8102	95.7095	-457	PW	4.3	3	9.9	0	1.3	1	0.430	3	3.185	2	7.409	-1	2228	50	1.9
14487.0	10000	38.8102	95.7087	-455	PW	4.3	3	9.8	0	1.3	1	0.438	3	3.246	2	7.407	-1	2227	47	1.8
14487.1	10000	38.8102	95.7079	-454	PW	4.1	2	9.6	0	1.3	1	0.428	3	3.237	2	7.559	-1	2203	46	1.8
14487.2	10000	38.8102	95.7071	-454	PW	4.1	2	9.6	0	1.3	1	0.426	3	3.224	2	7.570	-1	2196	39	1.8
14487.3	10000	38.8102	95.7063	-453	PW	3.9	2	9.8	0	1.3	1	0.398	3	3.039	2	7.645	-1	2193	51	1.8
14487.4	10000	38.8102	95.7055	-452	PW	3.6	1	10.0	0	1.3	1	0.359	3	2.760	1	7.693	0	2171	40	1.8
14487.5	10000	38.8102	95.7047	-451	PW	3.3	1	10.4	0	1.3	1	0.314	2	2.465	1	7.847	0	2179	51	1.8
14487.6	10000	38.8102	95.7039	-449	PW	3.0	0	10.9	0	1.4	1	0.273	1	2.190	1	8.021	0	2211	44	1.8
14487.7	10000	38.8102	95.7031	-448	PW	3.0	0	11.1	0	1.3	1	0.266	1	2.220	1	8.359	0	2214	50	1.8
14487.8	10000	38.8102	95.7023	-446	PW	3.0	0	11.3	0	1.3	1	0.266	1	2.290	1	8.622	1	2223	58	1.8
14487.9	10000	38.8102	95.7015	-445	PW	3.0	0	11.4	0	1.3	1	0.257	1	2.266	1	8.817	1	2244	42	1.8
14488.0	10000	38.8102	95.7007	-443	PW	2.7	-1	11.2	0	1.4	1	0.242	1	2.007	0	8.303	1	2274	51	1.8
14488.1	10000	38.8102	95.6999	-442	PW	2.8	0	10.6	0	1.4	1	0.261	1	1.973	-1	7.571	-1	2296	47	1.8
14488.2	10000	38.8102	95.6991	-441	PW	2.9	0	10.3	0	1.4	1	0.281	1	2.008	-1	7.143	-1	2298	38	1.8
14488.3	10000	38.8102	95.6983	-439	PW	2.9	0	10.0	0	1.4	1	0.290	1	2.051	-1	7.070	-1	2269	42	1.8
14488.4	10000	38.8102	95.6975	-437	PW	2.9	0	10.1	0	1.5	1	0.287	1	1.957	-1	6.822	-2	2282	55	1.8
14488.5	10000	38.8102	95.6967	-434	PW	3.0	0	10.1	0	1.6	1	0.297	1	1.897	-1	6.387	-2	2310	49	1.8
14488.6	10000	38.8102	95.6959	-433	PW	2.9	0	10.0	0	1.6	1	0.295	1	1.839	-1	6.226	-2	2319	43	1.8
14488.7	10000	38.8103	95.6951	-431	PW	3.1	0	9.7	0	1.6	1	0.315	1	1.919	-1	6.092	-2	2323	53	1.8
14488.8	10000	38.8103	95.6943	-430	PW	3.1	0	10.0	0	1.6	1	0.307	1	1.973	-1	6.425	-2	2324	44	1.8
14488.9	10000	38.8103	95.6935	-428	PW	3.1	0	9.8	0	1.5	1	0.321	1	2.047	-1	6.386	-2	2334	40	1.8
14489.0	10000	38.8103	95.6927	-426	PW	2.9	0	10.1	0	1.6	1	0.290	1	1.842	-1	6.352	-2	2362	57	1.8
14489.1	10000	38.8103	95.6919	-425	PW	2.8	-1	9.8	0	1.6	1	0.282	1	1.693	-2	6.005	-2	2344	50	1.8
14489.2	10000	38.8103	95.6911	-423	PW	2.6	-1	9.6	0	1.6	1	0.274	1	1.626	-2	5.932	-2	2349	44	1.8
14489.3	10000	38.8103	95.6903	-421	PW	2.6	-1	9.6	0	1.6	1	0.275	1	1.612	-2	5.872	-2	2343	38	1.8
14489.4	10000	38.8103	95.6895	-419	PW	2.8	0	10.2	0	1.6	1	0.274	1	1.741	-1	6.351	-2	2323	51	1.8
14489.5	10000	38.8103	95.6887	-417	PW	2.9	0	10.6	0	1.6	1	0.275	1	1.813	-1	6.667	-2	2314	42	1.8
14489.6	10000	38.8103	95.6879	-415	PW	2.9	0	10.4	0	1.6	1	0.279	1	1.749	-1	6.353	-2	2319	42	1.8
14489.7	10000	38.8103	95.6871	-412	PW	3.2	1	10.4	0	1.6	1	0.309	1	1.986	-1	6.423	-2	2325	44	1.8
14489.8	10000	38.8103	95.6863	-410	PW	3.3	1	10.7	1	1.5	2	0.306	0	2.141	-1	6.993	-1	2310	52	1.8

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14489.9	10000	38.8103	95.6855	-409	PW	3.4	1	10.4	0	1.5	2	0.327	1	2.281	0	6.978	-1	2285	56	1.8
14490.0	10000	38.8103	95.6847	-404	PW	3.6	1	10.2	0	1.5	2	0.360	1	2.427	0	6.751	-1	2295	47	1.8
14490.1	10000	38.8103	95.6839	-400	PW	3.8	2	9.8	0	1.5	2	0.385	2	2.432	0	6.308	-2	2316	51	1.8
14490.2	10000	38.8103	95.6831	-401	PW	3.9	2	9.3	-1	1.5	2	0.417	2	2.528	0	6.063	-2	2316	48	1.8
14490.3	10000	38.8103	95.6823	-402	PW	3.6	1	9.8	0	1.5	2	0.365	1	2.407	0	6.600	-2	2305	39	1.8
14490.4	10000	38.8103	95.6815	-401	PW	3.5	1	9.7	0	1.5	2	0.361	1	2.319	0	6.428	-2	2308	53	1.8
14490.5	10000	38.8103	95.6807	-400	PW	3.6	1	9.6	0	1.5	2	0.373	1	2.331	0	6.255	-2	2335	45	1.8
14490.6	10000	38.8103	95.6799	-398	PW	3.5	1	10.1	0	1.5	2	0.345	1	2.299	0	6.667	-1	2351	45	1.8
14490.7	10000	38.8103	95.6791	-396	PW	3.4	1	10.5	1	1.5	2	0.320	0	2.275	0	7.108	-1	2345	45	1.8
14490.8	10000	38.8103	95.6784	-395	PW	3.9	0	10.4	1	1.5	2	0.273	-1	1.922	-1	7.036	-1	2309	39	1.8
14490.9	10000	38.8103	95.6776	-393	PW	3.7	-1	10.3	0	1.5	2	0.262	-1	1.757	-1	6.715	-1	2300	46	1.8
14491.0	10000	38.8103	95.6768	-392	PW	4.0	0	10.2	0	1.5	2	0.291	0	1.971	-1	6.766	-1	2278	48	1.8
14491.1	10000	38.8103	95.6760	-391	PW	4.0	0	10.3	0	1.5	1	0.289	0	2.046	-1	7.069	-1	2257	40	1.8
14491.2	10000	38.8103	95.6752	-389	PW	3.9	0	10.1	0	1.5	2	0.291	0	2.009	-1	6.895	-1	2249	46	1.8
14491.3	10000	38.8103	95.6744	-387	PW	3.9	0	9.8	0	1.4	1	0.297	0	2.047	-1	6.891	-1	2217	44	1.8
14491.4	10000	38.8103	95.6736	-386	PW	4.0	0	9.5	0	1.4	1	0.315	0	2.141	-1	6.789	-1	2199	42	1.8
14491.5	10000	38.8103	95.6729	-385	PW	4.3	1	9.9	0	1.4	1	0.331	1	2.417	0	7.307	-1	2206	47	1.8
14491.6	10000	38.8103	95.6721	-384	PW	4.4	1	10.1	0	1.3	0	0.339	1	2.685	0	7.910	0	2208	46	1.8
14491.7	10000	38.8103	95.6713	-382	PW	4.4	1	9.5	0	1.3	0	0.362	1	2.696	0	7.455	-1	2196	43	1.8
14491.8	10000	38.8103	95.6705	-381	PW	4.4	1	9.4	0	1.3	1	0.360	1	2.584	0	7.173	-1	2184	47	1.9
14491.9	10000	38.8103	95.6697	-380	PW	4.3	1	9.6	0	1.3	0	0.342	1	2.532	0	7.410	-1	2168	65	1.9
14492.0	10000	38.8103	95.6689	-377	PW	4.4	1	9.9	0	1.3	1	0.341	1	2.547	0	7.466	-1	2178	44	1.9
14492.1	10000	38.8103	95.6682	-377	PW	4.3	1	9.7	0	1.3	0	0.340	1	2.598	0	7.635	-1	2164	36	1.9
14492.2	10000	38.8103	95.6674	-378	PW	4.3	1	9.8	0	1.3	0	0.340	1	2.499	0	7.343	-1	2167	43	1.9
14492.3	10000	38.8103	95.6666	-378	PW	4.2	1	9.7	0	1.4	1	0.334	1	2.393	0	7.165	-1	2156	52	1.9
14492.4	10000	38.8103	95.6658	-377	PW	4.3	1	9.9	0	1.3	1	0.329	1	2.417	0	7.352	-1	2156	45	1.9
14492.5	10000	38.8103	95.6650	-376	PW	4.2	1	9.8	0	1.4	1	0.332	1	2.396	0	7.221	-1	2158	45	1.9
14492.6	10000	38.8103	95.6642	-375	PW	4.3	1	9.8	0	1.4	1	0.348	1	2.421	0	6.960	-1	2148	51	1.9
14492.7	10000	38.8103	95.6635	-374	PW	4.2	1	9.8	0	1.4	1	0.345	1	2.325	0	6.744	-2	2138	56	1.9
14492.8	10000	38.8103	95.6627	-374	PW	4.2	1	9.8	0	1.4	1	0.319	1	2.105	0	6.606	-2	2136	43	1.9
14492.9	10000	38.8103	95.6619	-373	PS	4.1	1	9.8	0	1.4	1	0.328	1	2.173	0	6.623	-2	2123	52	1.9
14493.0	10000	38.8103	95.6611	-371	PS	4.0	1	9.8	0	1.4	1	0.304	1	2.049	0	6.744	-1	2129	45	1.9
14493.1	10000	38.8103	95.6603	-370	PS	4.0	1	9.8	0	1.4	1	0.296	1	2.081	0	7.040	-1	2135	45	1.9
14493.2	10000	38.8103	95.6595	-368	PS	3.9	1	9.8	0	1.4	1	0.268	1	2.036	0	7.604	-1	2145	45	1.9
14493.3	10000	38.8103	95.6587	-366	PS	3.8	1	9.8	0	1.4	1	0.268	1	2.162	0	8.078	-1	2168	45	1.9
14493.4	10000	38.8103	95.6580	-364	PS	3.8	1	9.8	0	1.4	1	0.264	1	2.209	0	8.380	-1	2176	45	1.9
14493.5	10000	38.8103	95.6572	-361	PS	3.8	1	9.8	0	1.4	1	0.244	1	2.240	0	9.173	-1	2200	45	1.9
14493.6	10000	38.8103	95.6564	-359	PS	3.8	1	9.8	0	1.4	1	0.226	1	2.132	0	9.415	-1	2209	45	1.9
14493.7	10000	38.8103	95.6556	-356	PS	3.8	1	9.8	0	1.4	1	0.247	1	2.177	0	9.807	-1	2199	45	1.9
14493.8	10000	38.8103	95.6548	-353	PS	3.8	1	9.8	0	1.4	1	0.269	1	2.307	0	9.581	-1	2175	45	1.9
14493.9	10000	38.8103	95.6540	-350	PS	3.8	1	9.8	0	1.4	1	0.271	1	2.381	0	9.789	-1	2089	45	1.9
14494.0	10000	38.8103	95.6532	-346	PS	3.8	1	9.8	0	1.4	1	0.292	1	2.557	0	9.752	-1	1975	45	1.9
14494.1	10000	38.8103	95.6525	-344	PS	3.8	1	9.8	0	1.4	1	0.293	1	2.506	0	9.549	-1	1878	45	1.9
14494.2	10000	38.8103	95.6517	-341	PS	3.8	1	9.8	0	1.4	1	0.315	1	2.532	0	9.035	-1	1788	45	1.9
14494.3	10000	38.8103	95.6509	-338	PS	3.8	1	9.8	0	1.4	1	0.342	1	2.813	0	8.238	-1	1714	45	1.9
14494.4	10000	38.8103	95.6501	-335	PS	3.8	1	9.8	0	1.4	1	0.317	1	2.835	0	8.944	-1	1684	45	1.9
14494.5	10000	38.8103	95.6493	-332	PS	3.8	1	9.8	0	1.4	1	0.280	1	2.481	0	8.868	-1	1699	45	1.9
14494.6	10000	38.8103	95.6485	-329	PS	3.8	1	9.8	0	1.4	1	0.314	1	2.650	0	8.446	-1	1769	45	1.9
14494.7	10000	38.8103	95.6478	-327	PS	3.8	1	9.8	0	1.4	1	0.277	1	2.280	0	8.221	-1	1875	45	1.9
14494.8	10000	38.8103	95.6470	-324	PS	3.8	1	9.8	0	1.4	1	0.278	1	2.180	0	7.847	-1	1962	45	1.9
14494.9	10000	38.8103	95.6462	-321	PS	3.8	1	9.8	0	1.4	1	0.270	1	1.962	0	7.258	-1	2031	45	1.9
14495.0	10000	38.8103	95.6454	-318	PS	3.8	1	9.8	0	1.4	1	0.272	1	1.889	-2	6.943	-1	2086	45	1.9

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14495.1	10000	38.8103	95.6446	-316	PS	2.6	-1	9.7	0	1.4	1	0.271	-1	1.895	-2	6.982	-1	2056	53	1.9
14495.2	10000	38.8102	95.6438	-313	PS	2.6	-1	8.9	-1	1.3	1	0.289	-1	1.986	-1	6.861	-1	1943	48	1.9
14495.3	10000	38.8103	95.6431	-311	WATER	2.2	999	7.8	999	1.2	999	0.287	999	1.907	999	6.641	999	1755	38	1.9
14495.4	10000	38.8103	95.6423	-308	WATER	2.0	999	6.6	999	1.0	999	0.303	999	2.057	999	6.791	999	1533	47	1.9
14495.5	10000	38.8103	95.6415	-306	WATER	1.8	999	5.5	999	0.8	999	0.324	999	2.278	999	7.034	999	1327	32	2.0
14495.6	10000	38.8103	95.6407	-303	WATER	1.7	999	4.7	999	0.6	999	0.360	999	2.744	999	7.613	999	1170	44	2.0
14495.7	10000	38.8102	95.6399	-300	WATER	1.4	999	4.1	999	0.5	999	0.348	999	2.797	999	8.030	999	1063	62	2.0
14495.8	10000	38.8102	95.6391	-298	WATER	1.4	999	3.9	999	0.5	999	0.365	999	2.933	999	8.039	999	1056	44	2.0
14495.9	10000	38.8102	95.6383	-295	PW	1.2	-4	4.4	-6	0.5	-4	0.273	-1	2.243	0	8.202	0	1125	48	2.0
14496.0	10000	38.8102	95.6376	-291	PW	1.5	-3	5.4	-5	0.6	-4	0.271	-1	2.344	0	8.645	0	1271	37	2.0
14496.1	10000	38.8102	95.6368	-289	PW	1.6	-3	6.4	-4	0.8	-3	0.253	-1	2.034	-1	8.047	0	1467	55	2.0
14496.2	10000	38.8102	95.6360	-286	PW	1.9	-2	7.7	-2	1.0	-1	0.249	-1	1.934	-1	7.782	0	1681	43	2.0
14496.3	10000	38.8102	95.6352	-283	PW	2.3	-1	9.1	-1	1.1	-1	0.255	-1	2.146	-1	8.407	0	1857	51	1.9
14496.4	10000	38.8102	95.6344	-279	PW	2.7	-1	9.4	0	1.2	0	0.285	0	2.234	0	7.828	0	1973	53	1.9
14496.5	10000	38.8102	95.6336	-276	PW	2.9	0	9.8	0	1.3	0	0.299	0	2.303	0	7.712	0	2044	52	1.9
14496.6	10000	38.8102	95.6328	-272	PW	3.3	1	9.8	0	1.3	0	0.334	1	2.518	0	7.533	-1	2120	48	1.9
14496.7	10000	38.8102	95.6321	-268	PW	3.5	1	10.0	0	1.4	1	0.353	1	2.595	0	7.343	-1	2182	39	1.9
14496.8	10000	38.8102	95.6313	-264	PW	3.6	1	10.0	0	1.3	1	0.356	1	2.641	0	7.412	-1	2216	45	1.9
14496.9	10000	38.8102	95.6305	-260	PW	3.8	2	10.0	0	1.4	1	0.376	2	2.775	1	7.382	-1	2250	53	1.9
14497.0	10000	38.8102	95.6297	-256	PW	3.6	1	9.5	0	1.3	1	0.384	2	2.735	1	7.124	-1	2238	36	1.9
14497.1	10000	38.8102	95.6289	-253	PW	3.5	1	10.1	0	1.3	0	0.353	1	2.744	1	7.772	0	2238	57	1.9
14497.2	10000	38.8102	95.6281	-248	PS	3.5	1	10.3	1	1.3	1	0.335	0	2.593	0	7.738	0	2252	43	1.9
14497.3	10000	38.8102	95.6273	-244	PS	3.6	1	10.4	1	1.4	1	0.346	0	2.577	0	7.448	-1	2251	41	1.9
14497.4	10000	38.8102	95.6266	-241	PS	3.4	1	10.3	1	1.4	1	0.331	0	2.397	-1	7.234	-1	2257	51	1.9
14497.5	10000	38.8102	95.6258	-237	PS	3.5	1	10.6	1	1.5	2	0.332	0	2.348	-1	7.067	-1	2272	52	1.9
14497.6	10000	38.8102	95.6250	-232	PS	3.4	1	10.4	1	1.5	2	0.328	0	2.336	-1	7.128	-1	2249	52	1.9
14497.7	10000	38.8102	95.6242	-228	PS	3.5	1	10.7	1	1.5	2	0.327	0	2.334	-1	7.128	-1	2263	53	1.9
14497.8	10000	38.8102	95.6234	-225	PS	3.4	1	10.2	1	1.5	2	0.335	0	2.268	-1	6.773	-1	2277	45	1.9
14497.9	10000	38.8102	95.6227	-221	PS	3.3	1	10.2	1	1.5	2	0.327	0	2.253	-1	6.890	-1	2284	56	1.9
14498.0	10000	38.8102	95.6219	-217	PS	3.2	1	9.9	1	1.5	2	0.313	0	2.322	-1	7.429	-1	2286	42	1.9
14498.1	10000	38.8102	95.6211	-213	PS	3.3	1	10.2	1	1.5	2	0.305	0	2.441	-1	8.009	0	2284	48	1.9
14498.2	10000	38.8102	95.6203	-209	PS	3.3	1	10.2	1	1.5	2	0.306	0	2.623	-1	8.576	0	2264	42	1.9
14498.3	10000	38.8102	95.6195	-205	PS	3.0	1	9.9	1	1.4	1	0.270	0	2.382	-1	8.835	0	2249	43	1.9
14498.4	10000	38.8102	95.6187	-201	PS	3.1	1	10.2	1	1.5	2	0.262	0	2.269	-1	8.673	0	2239	46	1.9
14498.5	10000	38.8102	95.6179	-197	PS	2.8	1	9.6	1	1.4	1	0.270	0	2.377	-1	8.807	0	2234	46	1.9
14498.6	10000	38.8102	95.6172	-193	PS	2.7	1	9.4	1	1.3	1	0.272	0	2.388	-1	8.777	0	2221	48	1.9
14498.7	10000	38.8102	95.6164	-189	PS	2.8	1	9.6	1	1.3	1	0.249	0	2.178	-1	8.753	0	2209	40	1.9
14498.8	10000	38.8102	95.6156	-185	PS	2.6	1	9.2	1	1.3	1	0.246	0	2.004	-1	8.140	0	2192	45	1.9
14498.9	10000	38.8102	95.6148	-181	PS	2.7	1	9.4	1	1.3	1	0.262	0	1.984	-1	7.572	-1	2187	44	1.9
14499.0	10000	38.8102	95.6140	-177	PS	2.8	1	9.9	1	1.3	1	0.279	0	2.125	-1	7.615	-1	2189	35	1.9
14499.1	10000	38.8102	95.6132	-174	PS	2.6	1	9.2	1	1.3	1	0.282	0	2.196	-1	7.780	-1	2197	37	1.9
14499.2	10000	38.8102	95.6124	-170	PS	2.4	1	9.2	1	1.3	1	0.265	0	2.442	-1	7.997	0	2198	49	1.9
14499.3	10000	38.8102	95.6117	-165	PS	2.4	1	9.2	1	1.3	1	0.261	0	2.597	-1	7.717	-1	2214	44	1.9
14499.4	10000	38.8102	95.6109	-162	PS	2.6	1	9.7	1	1.3	1	0.268	0	2.734	-1	7.317	-1	2227	43	1.9
14499.5	10000	38.8102	95.6101	-158	PS	2.4	1	9.2	1	1.3	1	0.261	0	2.634	-1	7.525	-1	2236	55	1.9
14499.6	10000	38.8102	95.6093	-154	PS	2.4	1	9.2	1	1.3	1	0.261	0	2.561	-1	7.977	-1	2237	67	1.9
14499.7	10000	38.8102	95.6085	-151	PS	2.4	1	9.2	1	1.3	1	0.261	0	2.817	-1	7.447	-1	2240	49	1.9
14499.8	10000	38.8102	95.6077	-148	PS	2.4	1	9.2	1	1.3	1	0.261	0	2.958	-1	7.352	-1	2230	48	1.9
14499.9	10000	38.8102	95.6069	-146	PS	2.4	1	9.2	1	1.3	1	0.261	0	2.847	-1	7.585	-1	2224	50	1.9
14500.0	10000	38.8102	95.6062	-144	PS	2.4	1	9.2	1	1.3	1	0.261	0	2.638	-1	7.450	-1	2214	48	1.9
14500.1	10000	38.8102	95.6054	-142	PS	2.4	1	9.2	1	1.3	1	0.261	0	2.463	-1	7.550	-1	2219	47	1.9
14500.2	10000	38.8102	95.6046	-140	PS	2.5	1	10.8	1	1.4	1	0.232	0	2.566	0	7.977	0	2223	33	1.8

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14500.3	10000	38.8102	95.6038	-138	PS	3.6	1	10.8	1	1.3	1	0.336	0	2.677	0	7.978	0	2229	50	1.8
14500.4	10000	38.8102	95.6030	-137	PS	3.3	0	11.4	2	1.3	1	0.289	-1	2.553	0	8.848	0	2246	56	1.8
14500.5	10000	38.8102	95.6022	-135	PS	3.1	0	11.5	2	1.3	1	0.268	-1	2.318	-1	8.638	0	2255	46	1.8
14500.6	10000	38.8102	95.6015	-135	PS	2.9	0	11.2	1	1.4	1	0.263	-1	2.125	-1	8.072	0	2273	49	1.8
14500.7	10000	38.8102	95.6007	-133	PS	3.2	0	11.5	2	1.3	1	0.275	-1	2.370	-1	8.625	0	2270	41	1.8
14500.8	10000	38.8102	95.5999	-132	PS	3.3	0	11.7	2	1.4	1	0.279	-1	2.394	-1	8.591	0	2271	54	1.8
14500.9	10000	38.8102	95.5991	-132	PS	3.5	1	10.8	1	1.4	1	0.327	0	2.513	0	7.676	-1	2278	39	1.8
14501.0	10000	38.8102	95.5983	-131	PS	3.6	1	10.5	1	1.4	1	0.343	0	2.508	0	7.306	-1	2274	49	1.8
14501.1	10000	38.8102	95.5975	-131	PS	3.5	1	10.1	0	1.5	2	0.349	0	2.344	-1	6.724	-1	2254	42	1.8
14501.2	10000	38.8102	95.5967	-130	PS	3.6	1	9.7	0	1.4	1	0.366	1	2.527	0	6.900	-1	2220	41	1.8
14501.3	10000	38.8101	95.5960	-130	PS	3.4	1	9.3	0	1.4	1	0.365	1	2.490	0	6.828	-1	2171	40	1.8
14501.4	10000	38.8102	95.5952	-129	PS	3.5	1	8.9	-1	1.4	1	0.393	1	2.543	0	6.475	-1	2140	52	1.8
14501.5	10000	38.8101	95.5944	-129	PS	3.5	1	8.5	-1	1.3	1	0.413	2	2.666	0	6.454	-1	2109	45	1.8
14501.6	10000	38.8101	95.5936	-130	PS	3.4	1	8.6	-1	1.3	0	0.392	1	2.678	0	6.825	-1	2097	33	1.8
14501.7	10000	38.8101	95.5928	-129	PS	3.1	0	8.8	-1	1.2	0	0.357	1	2.537	0	7.111	-1	2082	53	1.8
14501.8	10000	38.8101	95.5920	-129	PS	3.2	0	8.6	-1	1.2	0	0.367	1	2.532	0	6.892	-1	2093	58	1.8
14501.9	10000	38.8101	95.5912	-129	PS	3.1	0	9.1	-1	1.3	1	0.347	0	2.362	-1	6.816	-1	2133	46	1.8
14502.0	10000	38.8101	95.5905	-128	PS	3.4	0	9.9	0	1.4	1	0.342	0	2.469	0	7.228	-1	2171	60	1.8
14502.1	10000	38.8101	95.5897	-129	PS	3.2	0	10.1	0	1.4	1	0.318	0	2.275	-1	7.146	-1	2203	49	1.8
14502.2	10000	38.8101	95.5889	-130	PS	3.1	0	10.0	0	1.5	1	0.312	0	2.157	-1	6.914	-1	2234	50	1.8
14502.3	10000	38.8101	95.5881	-130	PS	3.0	0	10.3	1	1.5	2	0.290	-1	1.965	-1	6.767	-1	2246	47	1.8
14502.4	10000	38.8101	95.5873	-130	PS	3.2	0	10.1	0	1.6	2	0.314	0	2.025	-1	6.440	-1	2268	32	1.8
14502.5	10000	38.8101	95.5865	-132	PS	3.6	1	10.6	1	1.5	2	0.338	0	2.339	-1	6.922	-1	2263	50	1.8
14502.6	10000	38.8101	95.5858	-132	PS	3.5	1	10.5	1	1.5	2	0.335	0	2.360	-1	7.045	-1	2248	54	1.8
14502.7	10000	38.8101	95.5850	-132	PS	3.5	1	10.1	0	1.5	2	0.343	0	2.359	-1	6.872	-1	2246	53	1.8
14502.8	10000	38.8101	95.5842	-134	PS	3.3	1	10.2	1	1.4	1	0.323	0	2.324	-1	7.196	-1	2244	46	1.8
14502.9	10000	38.8101	95.5834	-135	PS	3.2	0	10.3	1	1.4	1	0.307	0	2.273	-1	7.402	-1	2231	43	1.7
14503.0	10000	38.8101	95.5826	-136	PS	3.6	1	10.1	0	1.3	1	0.352	0	2.647	0	7.510	-1	2213	43	1.7
14503.1	10000	38.8101	95.5818	-137	PS	3.4	1	10.0	0	1.3	1	0.343	0	2.698	0	7.855	0	2200	55	1.7
14503.2	10000	38.8101	95.5811	-137	PS	3.2	1	9.9	0	1.3	1	0.323	0	2.451	-1	7.576	-1	2205	42	1.7
14503.3	10000	38.8101	95.5803	-136	PS	3.3	1	9.9	0	1.3	1	0.334	0	2.521	-1	7.543	-1	2189	46	1.7
14503.4	10000	38.8101	95.5795	-139	PS	3.3	1	9.9	0	1.3	1	0.351	0	2.559	-1	7.287	-1	2152	50	1.7
14503.5	10000	38.8101	95.5787	-140	PS	3.6	1	9.5	0	1.3	1	0.399	0	2.798	-1	7.014	-1	2137	47	1.7
14503.6	10000	38.8101	95.5780	-141	PS	3.8	1	9.6	-1	1.3	1	0.474	0	3.211	-1	6.778	-1	2132	52	1.7
14503.7	10000	38.8101	95.5772	-141	PS	3.8	1	9.6	-1	1.3	1	0.439	0	3.007	-1	6.851	-1	2114	59	1.7
14503.8	10000	38.8101	95.5765	-142	PS	3.8	1	9.6	-1	1.3	1	0.444	0	2.960	-1	6.659	-1	2108	52	1.7
14503.9	10000	38.8101	95.5757	-142	PS	3.7	1	9.6	-1	1.3	1	0.420	0	2.758	-1	6.559	-1	2104	46	1.7
14504.0	10000	38.8101	95.5750	-142	PS	3.7	1	9.6	-1	1.3	1	0.453	0	2.762	-2	6.093	-2	2112	48	1.7
14504.1	10000	38.8101	95.5742	-143	PS	3.6	1	9.6	-1	1.3	1	0.446	0	2.724	-2	6.106	-2	2146	36	1.7
14504.2	10000	38.8101	95.5734	-143	PS	3.6	1	9.6	-1	1.3	1	0.428	0	2.671	-2	6.246	-2	2152	46	1.7
14504.3	10000	38.8101	95.5727	-144	PS	3.6	1	9.6	-1	1.3	1	0.357	0	2.350	-1	6.591	-1	2153	39	1.7
14504.4	10000	38.8100	95.5719	-144	PS	3.6	1	9.6	-1	1.3	1	0.346	0	2.359	-1	6.818	-1	2192	41	1.7
14504.5	10000	38.8100	95.5712	-145	PS	3.6	1	9.6	-1	1.3	1	0.340	0	2.412	-1	7.091	-1	2195	44	1.7
14504.6	10000	38.8100	95.5704	-146	PS	3.6	1	9.6	-1	1.3	1	0.341	0	2.447	-1	7.173	-1	2201	42	1.7
14504.7	10000	38.8100	95.5697	-147	PS	3.6	1	9.6	-1	1.3	1	0.307	0	2.360	-1	7.674	-1	2205	46	1.7
14504.8	10000	38.8100	95.5689	-147	PS	3.6	1	9.6	-1	1.3	1	0.295	0	2.384	-1	8.096	0	2215	43	1.7
14504.9	10000	38.8100	95.5681	-147	PS	3.6	1	9.6	-1	1.3	1	0.291	0	2.327	-1	7.988	0	2224	38	1.7
14505.0	10000	38.8100	95.5674	-148	PS	3.6	1	9.6	-1	1.3	1	0.298	0	2.391	-1	8.018	0	2240	41	1.7
14505.1	10000	38.8100	95.5666	-148	PS	3.6	1	9.6	-1	1.3	1	0.300	0	2.387	-1	7.971	0	2227	44	1.7
14505.2	10000	38.8100	95.5659	-149	PS	3.6	1	9.6	-1	1.3	1	0.298	0	2.376	-1	7.962	0	2252	50	1.7
14505.3	10000	38.8100	95.5651	-149	PS	3.6	1	9.6	-1	1.3	1	0.308	0	2.410	-1	7.818	0	2250	57	1.7
14505.4	10000	38.8100	95.5644	-149	PS	3.4	1	9.6	-1	1.4	1	0.324	0	2.540	-1	7.846	0	2254	53	1.7

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14505.5	10000	38.8100	95.5636	-149	PS	3.4	1	10.3	1	1.3	1	0.333	0	2.569	0	7.720	0	2223	32	1.7
14505.6	10000	38.8100	95.5629	-149	PS	3.3	0	10.3	1	1.3	1	0.319	0	2.515	0	7.889	0	2207	41	1.7
14505.7	10000	38.8100	95.5621	-149	PS	3.6	1	10.1	0	1.3	0	0.357	1	2.866	0	8.024	0	2184	39	1.7
14505.8	10000	38.8099	95.5613	-149	PS	3.4	1	10.1	0	1.3	0	0.336	0	2.687	0	7.992	0	2171	35	1.7
14505.9	10000	38.8100	95.5606	-150	PS	3.4	1	10.4	1	1.3	1	0.327	0	2.624	0	8.024	0	2158	49	1.7
14506.0	10000	38.8099	95.5598	-150	PS	3.4	1	10.3	1	1.3	1	0.335	0	2.626	0	7.849	0	2149	49	1.7
14506.1	10000	38.8099	95.5591	-150	PS	3.5	1	10.3	1	1.3	1	0.337	0	2.619	0	7.764	0	2153	51	1.7
14506.2	10000	38.8099	95.5583	-151	PS	3.3	0	10.2	0	1.4	1	0.329	0	2.472	0	7.514	-1	2160	46	1.7
14506.3	10000	38.8099	95.5576	-151	PS	3.7	1	10.1	0	1.3	1	0.368	1	2.800	0	7.607	-1	2162	42	1.7
14506.4	10000	38.8099	95.5568	-152	PS	3.3	0	9.8	0	1.3	1	0.342	0	2.481	0	7.259	-1	2163	43	1.7
14506.5	10000	38.8099	95.5560	-153	PS	3.4	1	9.9	0	1.4	1	0.345	0	2.508	0	7.264	-1	2172	54	1.7
14506.6	10000	38.8099	95.5553	-154	PS	3.4	0	9.9	0	1.4	1	0.338	0	2.462	0	7.280	-1	2174	68	1.7
14506.7	10000	38.8099	95.5545	-155	PS	3.4	1	10.0	0	1.3	1	0.338	0	2.516	0	7.449	-1	2177	44	1.7
14506.8	10000	38.8099	95.5538	-156	PS	3.4	0	10.2	0	1.3	1	0.329	0	2.495	0	7.580	-1	2165	40	1.7
14506.9	10000	38.8099	95.5530	-158	PS	3.4	1	10.1	0	1.3	1	0.340	0	2.623	0	7.708	0	2157	44	1.7
14507.0	10000	38.8099	95.5523	-159	PS	3.2	0	10.1	0	1.3	1	0.317	0	2.425	-1	7.654	-1	2146	45	1.7
14507.1	10000	38.8099	95.5515	-161	PS	3.3	0	10.3	1	1.3	1	0.318	0	2.478	0	7.798	0	2145	54	1.8
14507.2	10000	38.8099	95.5508	-163	PS	3.5	1	9.9	0	1.3	1	0.349	0	2.679	0	7.666	-1	2135	43	1.8
14507.3	10000	38.8099	95.5500	-165	PS	3.5	1	9.3	0	1.3	0	0.381	1	2.774	0	7.281	-1	2106	40	1.8
14507.4	10000	38.8099	95.5492	-167	PS	3.5	1	9.3	0	1.3	1	0.379	1	2.730	0	7.207	-1	2097	52	1.8
14507.5	10000	38.8098	95.5485	-168	PS	3.3	0	8.5	-1	1.3	1	0.387	1	2.494	0	6.448	-1	2076	54	1.8
14507.6	10000	38.8098	95.5477	-170	PS	3.2	0	8.3	-1	1.3	1	0.383	1	2.429	-1	6.344	-2	2058	67	1.8
14507.7	10000	38.8098	95.5470	-171	PS	3.0	0	8.3	-1	1.3	1	0.367	1	2.280	-1	6.214	-2	2054	58	1.8
14507.8	10000	38.8098	95.5462	-172	PS	3.3	0	8.3	-1	1.3	1	0.399	1	2.485	0	6.226	-2	2058	37	1.8
14507.9	10000	38.8098	95.5455	-173	PS	3.3	0	8.4	-1	1.3	1	0.390	1	2.501	0	6.415	-2	2057	58	1.8
14508.0	10000	38.8098	95.5447	-174	PS	3.4	1	8.7	-1	1.3	1	0.391	1	2.566	0	6.567	-1	2095	65	1.8
14508.1	10000	38.8098	95.5439	-175	PS	3.5	1	8.9	-1	1.3	1	0.395	1	2.701	0	6.838	-1	2111	50	1.8
14508.2	10000	38.8098	95.5432	-175	PS	3.6	1	9.2	0	1.3	1	0.395	1	2.719	0	6.883	-1	2152	56	1.8
14508.3	10000	38.8098	95.5424	-175	PS	3.6	1	9.8	0	1.4	1	0.367	1	2.595	0	7.068	-1	2201	60	1.8
14508.4	10000	38.8098	95.5417	-175	PS	3.6	1	10.2	1	1.4	1	0.358	1	2.522	0	7.052	-1	2243	47	1.7
14508.5	10000	38.8098	95.5409	-175	PS	3.5	1	10.5	1	1.5	1	0.328	1	2.281	-1	6.959	-1	2264	50	1.7
14508.6	10000	38.8098	95.5402	-175	PS	3.4	1	10.7	1	1.5	1	0.317	1	2.204	-1	6.959	-1	2299	57	1.7
14508.7	10000	38.8098	95.5394	-174	PS	3.4	1	10.9	1	1.5	1	0.308	1	2.215	-1	7.183	-1	2307	55	1.7
14508.8	10000	38.8098	95.5387	-174	PS	3.3	1	11.0	1	1.5	1	0.301	1	2.180	-1	7.243	-1	2307	51	1.7
14508.9	10000	38.8098	95.5379	-174	PS	3.4	1	11.1	1	1.5	1	0.297	1	2.333	-1	7.843	-1	2297	63	1.7
14509.0	10000	38.8097	95.5371	-174	PS	3.5	1	11.3	2	1.5	1	0.309	1	2.480	-1	8.036	0	2275	49	1.7
14509.1	10000	38.8097	95.5364	-173	PS	3.5	1	10.9	1	1.4	1	0.323	1	2.554	0	7.898	0	2261	59	1.7
14509.2	10000	38.8097	95.5356	-173	PS	3.7	1	10.6	1	1.4	1	0.337	1	2.777	0	8.231	0	2245	40	1.7
14509.3	10000	38.8097	95.5349	-173	PS	3.7	1	10.2	1	1.3	1	0.346	1	2.784	0	8.051	0	2230	63	1.7
14509.4	10000	38.8097	95.5341	-172	PS	3.7	1	9.7	1	1.3	1	0.358	1	2.787	0	7.785	0	2207	46	1.7
14509.5	10000	38.8097	95.5334	-172	PS	3.6	1	9.3	1	1.3	1	0.366	1	2.699	0	7.379	-1	2184	42	1.7
14509.6	10000	38.8097	95.5326	-172	PS	3.4	1	9.2	1	1.3	1	0.367	1	2.602	0	7.090	-1	2149	48	1.7
14509.7	10000	38.8097	95.5318	-173	PS	3.4	1	9.2	1	1.3	1	0.373	1	2.559	0	6.863	-1	2128	39	1.7
14509.8	10000	38.8097	95.5311	-172	PS	3.4	1	9.2	1	1.3	1	0.371	1	2.682	0	7.223	-1	2088	47	1.7
14509.9	10000	38.8097	95.5303	-173	PS	3.2	1	9.2	1	1.3	1	0.374	1	2.556	0	6.832	-1	2069	57	1.7
14510.0	10000	38.8097	95.5296	-174	PS	3.1	1	9.2	1	1.3	1	0.366	1	2.480	0	6.782	-1	2051	61	1.7
14510.1	10000	38.8097	95.5288	-174	PS	3.0	1	9.2	1	1.3	1	0.339	1	2.378	-1	7.011	-1	2046	45	1.7
14510.2	10000	38.8097	95.5281	-175	PS	3.0	1	9.2	1	1.3	1	0.315	1	2.368	-1	7.520	-1	2057	45	1.7
14510.3	10000	38.8097	95.5273	-176	PS	3.0	1	9.2	1	1.3	1	0.323	1	2.432	-1	7.538	-1	2088	44	1.7
14510.4	10000	38.8097	95.5266	-177	PS	3.0	1	9.2	1	1.3	1	0.307	1	2.328	-1	7.581	-1	2112	40	1.7
14510.5	10000	38.8096	95.5258	-177	PS	3.0	1	9.2	1	1.3	1	0.304	1	2.232	-1	7.338	-1	2156	48	1.8
14510.6	10000	38.8096	95.5250	-179	PS	2.8	-1	10.1	1	1.3	1	0.274	-1	2.062	-1	7.533	-1	2195	42	1.8

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14510.7	10000	38.8096	95.5243	-180	PS	2.8	-1	10.3	1	1.4	1	0.272	-1	2.013	-1	7.403	-1	2215	39	1.8
14510.8	10000	38.8096	95.5235	-180	PS	2.9	0	10.2	0	1.4	1	0.286	-1	2.090	-1	7.321	-1	2240	53	1.8
14510.9	10000	38.8096	95.5228	-181	PS	3.2	0	10.1	0	1.4	1	0.315	0	2.225	-1	7.063	-1	2257	52	1.8
14511.0	10000	38.8096	95.5220	-183	PS	3.1	0	9.9	0	1.4	1	0.318	0	2.194	-1	6.901	-1	2262	45	1.8
14511.1	10000	38.8096	95.5213	-186	PS	3.4	1	9.6	0	1.4	1	0.352	0	2.348	-1	6.670	-1	2275	49	1.8
14511.2	10000	38.8096	95.5205	-187	PS	3.3	0	9.5	0	1.4	1	0.348	0	2.308	-1	6.631	-1	2263	48	1.8
14511.3	10000	38.8096	95.5197	-189	PS	3.5	1	9.6	0	1.4	1	0.364	1	2.457	0	6.748	-1	2232	46	1.8
14511.4	10000	38.8096	95.5190	-192	PS	3.7	1	9.7	0	1.4	1	0.384	1	2.618	0	6.815	-1	2219	43	1.8
14511.5	10000	38.8096	95.5182	-193	PS	3.5	1	9.8	0	1.4	1	0.362	1	2.543	0	7.021	-1	2197	43	1.8
14511.6	10000	38.8096	95.5175	-195	PS	3.4	1	10.0	0	1.4	1	0.341	0	2.477	0	7.256	-1	2178	49	1.8
14511.7	10000	38.8096	95.5167	-197	PS	3.4	1	9.8	0	1.4	1	0.348	0	2.428	-1	6.984	-1	2156	33	1.8
14511.8	10000	38.8096	95.5160	-198	PS	3.2	0	9.7	0	1.4	1	0.336	0	2.368	-1	7.054	-1	2133	46	1.8
14511.9	10000	38.8096	95.5152	-200	PS	3.2	0	9.8	0	1.4	1	0.328	0	2.305	-1	7.020	-1	2142	47	1.8
14512.0	10000	38.8096	95.5145	-202	PS	3.3	0	9.7	0	1.4	1	0.335	0	2.298	-1	6.854	-1	2139	60	1.8
14512.1	10000	38.8095	95.5137	-204	PS	3.0	0	9.8	0	1.4	1	0.308	0	2.179	-1	7.085	-1	2129	38	1.8
14512.2	10000	38.8095	95.5129	-206	PS	3.1	0	9.4	0	1.4	1	0.325	0	2.178	-1	6.710	-1	2128	46	1.8
14512.3	10000	38.8095	95.5122	-207	PS	3.0	0	9.2	0	1.4	1	0.326	0	2.171	-1	6.662	-1	2124	42	1.8
14512.4	10000	38.8095	95.5114	-210	PS	3.2	0	9.6	0	1.4	1	0.330	0	2.349	-1	7.119	-1	2133	56	1.8
14512.5	10000	38.8095	95.5107	-211	PS	3.3	0	9.7	0	1.3	1	0.335	0	2.448	0	7.299	-1	2136	43	1.8
14512.6	10000	38.8095	95.5099	-213	PS	3.3	0	9.5	0	1.3	1	0.344	0	2.583	0	7.507	-1	2116	50	1.8
14512.7	10000	38.8095	95.5092	-215	PS	3.3	0	9.3	0	1.2	1	0.352	0	2.679	0	7.617	-1	2135	52	1.8
14512.8	10000	38.8095	95.5084	-217	PS	3.4	1	9.2	0	1.3	1	0.370	1	2.711	0	7.320	-1	2143	45	1.8
14512.9	10000	38.8095	95.5076	-219	PS	3.5	1	9.3	0	1.2	1	0.373	1	2.811	0	7.546	-1	2139	42	1.8
14513.0	10000	38.8095	95.5069	-221	PS	3.6	1	9.1	-1	1.3	1	0.398	1	2.874	0	7.228	-1	2138	42	1.8
14513.1	10000	38.8095	95.5061	-222	PS	3.4	1	9.4	0	1.3	1	0.363	1	2.717	0	7.485	-1	2128	47	1.8
14513.2	10000	38.8095	95.5054	-225	PS	3.2	1	9.3	0	1.3	1	0.346	0	2.529	0	7.312	-1	2124	46	1.8
14513.3	10000	38.8095	95.5046	-227	PS	3.3	1	9.5	0	1.3	1	0.350	0	2.547	0	7.270	-1	2143	52	1.8
14513.4	10000	38.8095	95.5039	-228	PS	3.5	1	9.8	0	1.4	1	0.351	0	2.507	0	7.137	-1	2160	40	1.8
14513.5	10000	38.8095	95.5031	-231	PS	3.4	1	9.9	0	1.4	1	0.344	0	2.511	0	7.294	-1	2169	48	1.8
14513.6	10000	38.8094	95.5023	-233	PS	3.2	0	10.0	0	1.4	1	0.321	-1	2.304	-1	7.178	-1	2186	55	1.8
14513.7	10000	38.8094	95.5016	-235	PS	2.8	-1	10.4	-1	1.4	1	0.273	-1	2.084	-1	7.635	-1	2190	44	1.8
14513.8	10000	38.8094	95.5008	-237	PS	2.8	-1	10.5	-1	1.4	1	0.265	-1	2.021	-1	7.623	-1	2200	42	1.8
14513.9	10000	38.8094	95.5001	-240	PS	2.8	-1	10.5	-1	1.4	1	0.263	-1	2.025	-1	7.694	0	2194	48	1.8
14514.0	10000	38.8094	95.4993	-242	PS	2.7	-1	10.4	-1	1.3	1	0.260	-1	2.061	-1	7.914	0	2175	49	1.8
14514.1	10000	38.8094	95.4986	-245	PS	2.6	-1	10.4	-1	1.3	1	0.254	-1	2.088	-1	8.227	0	2144	45	1.8
14514.2	10000	38.8094	95.4978	-247	PS	2.6	-1	10.2	-1	1.3	1	0.255	-1	2.169	-1	8.497	0	2103	49	1.8
14514.3	10000	38.8094	95.4971	-249	PS	2.7	-1	9.9	-1	1.3	1	0.314	-1	2.674	0	8.524	0	2085	43	1.8
14514.4	10000	38.8094	95.4963	-251	PS	3.1	0	9.5	0	1.3	1	0.368	0	2.980	0	8.100	0	2105	38	1.9
14514.5	10000	38.8094	95.4955	-254	PS	3.5	1	9.5	0	1.3	1	0.386	0	3.037	0	7.875	0	2117	46	1.9
14514.6	10000	38.8094	95.4948	-256	PS	3.6	1	9.7	0	1.3	1	0.377	0	3.030	0	8.029	0	2148	50	1.9
14514.7	10000	38.8094	95.4940	-258	PS	3.7	1	9.7	0	1.3	1	0.381	0	2.853	0	7.484	-1	2169	45	1.9
14514.8	10000	38.8094	95.4933	-261	PS	3.5	1	9.6	0	1.3	1	0.369	0	2.649	-1	7.172	-1	2180	51	1.9
14514.9	10000	38.8094	95.4925	-263	PS	3.7	1	9.9	0	1.3	1	0.375	0	2.697	-1	7.198	-1	2220	47	1.9
14515.0	10000	38.8094	95.4918	-266	PS	3.4	1	9.8	0	1.4	1	0.341	0	2.401	-1	7.046	-1	2222	57	1.9
14515.1	10000	38.8093	95.4910	-268	PS	3.1	0	9.8	0	1.4	1	0.319	0	2.261	-1	7.089	-1	2189	50	1.9
14515.2	10000	38.8093	95.4902	-270	PS	3.3	1	9.9	0	1.4	1	0.336	0	2.414	-1	7.195	-1	2176	38	1.9
14515.3	10000	38.8093	95.4895	-272	PS	3.4	1	9.8	0	1.4	1	0.358	0	2.531	0	7.080	-1	2161	38	1.9
14515.4	10000	38.8093	95.4887	-274	PS	3.4	1	9.8	0	1.4	1	0.352	0	2.547	0	7.240	-1	2140	52	1.9
14515.5	10000	38.8093	95.4880	-275	PS	3.4	1	9.8	0	1.4	1	0.365	0	2.567	0	7.039	-1	2117	58	1.9
14515.6	10000	38.8093	95.4872	-277	PS	3.3	1	9.8	0	1.4	1	0.380	0	2.545	0	6.704	-1	2094	54	1.9
14515.7	10000	38.8093	95.4865	-279	PS	3.3	1	9.8	0	1.4	1	0.376	0	2.562	0	6.819	-1	2077	45	1.9
14515.8	10000	38.8093	95.4857	-281	PS	3.3	1	9.8	0	1.3	1	0.372	0	2.539	0	6.826	-1	2104	40	1.9

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14515.9	10000	38.8093	95.4850	-282	PS	3.3	0	8.7	-1	1.3	1	0.379	1	2.496	0	6.578	-1	2092	64	2.0
14516.0	10000	38.8093	95.4842	-283	PS	3.1	0	8.4	-1	1.4	1	0.367	1	2.281	-1	6.211	-2	2084	46	2.0
14516.1	10000	38.8093	95.4834	-284	PS	3.0	0	8.1	-1	1.4	1	0.371	1	2.190	-1	5.912	-2	2087	45	2.0
14516.2	10000	38.8093	95.4827	-286	PS	2.8	-1	7.7	-2	1.4	1	0.364	1	2.051	-1	5.629	-2	2078	57	2.0
14516.3	10000	38.8093	95.4819	-286	PS	2.6	-1	7.8	-2	1.4	1	0.334	0	1.896	-2	5.67[illegible]	-2	2077	63	2.0
14516.4	10000	38.8092	95.4812	-287	PS	2.6	-1	8.0	-1	1.4	1	0.324	0	1.829	-2	5.637	-2	2081	47	2.0
14516.5	10000	38.8092	95.4804	-289	PS	2.5	-1	7.5	-2	1.4	1	0.329	0	1.740	-2	5.288	-2	2054	39	2.0
14516.6	10000	38.8092	95.4797	-290	PS	2.2	-2	8.0	-2	1.4	1	0.281	-1	1.565	-2	5.576	-2	2066	36	2.0
14516.7	10000	38.8092	95.4789	-291	PS	2.5	-1	7.9	-2	1.4	1	0.321	0	1.817	-2	5.668	-2	2071	43	2.0
14516.8	10000	38.8092	95.4781	-292	PS	2.9	-1	8.4	-1	1.4	1	0.338	0	2.022	-1	5.974	-2	2092	61	2.0
14516.9	10000	38.8092	95.4774	-293	PS	3.0	0	9.1	-1	1.4	1	0.329	0	2.155	-1	6.555	-1	2132	45	2.0
14517.0	10000	38.8092	95.4766	-294	PS	3.1	0	9.4	0	1.4	1	0.331	0	2.163	-1	6.528	-1	2173	41	2.0
14517.1	10000	38.8092	95.4759	-296	PS	3.1	0	9.4	0	1.4	1	0.332	0	2.164	-1	6.513	-1	2197	37	2.0
14517.2	10000	38.8092	95.4751	-297	PS	3.1	0	9.9	0	1.5	2	0.311	0	2.112	-1	6.794	-1	2235	44	2.0
14517.3	10000	38.8092	95.4744	-299	PS	3.1	0	10.1	0	1.5	2	0.306	0	2.067	-1	6.754	-1	2259	46	2.0
14517.4	10000	38.8092	95.4736	-300	PS	2.9	0	11.1	1	1.5	2	0.261	-1	1.907	-2	7.302	-1	2283	33	2.0
14517.5	10000	38.8092	95.4729	-302	PS	2.6	-1	11.2	1	1.5	2	0.236	-2	1.754	-2	7.437	-1	2282	34	2.0
14517.6	10000	38.8092	95.4721	-304	PS	2.7	-1	11.3	1	1.5	2	0.238	-2	1.782	-2	7.484	-1	2282	36	2.1
14517.7	10000	38.8092	95.4713	-307	PS	2.6	-1	10.9	1	1.5	2	0.239	-2	1.782	-2	7.462	-1	2268	44	2.1
14517.8	10000	38.8092	95.4705	-309	PS	2.8	-1	11.1	1	1.4	1	0.253	-1	1.956	-1	7.747	0	2273	40	2.1
14517.9	10000	38.8092	95.4697	-312	PS	3.1	0	10.9	1	1.4	1	0.285	-1	2.208	-1	7.762	0	2241	49	2.1
14518.0	10000	38.8092	95.4689	-314	PS	3.2	0	10.5	1	1.4	1	0.301	0	2.327	-1	7.720	0	2217	50	2.1
14518.1	10000	38.8092	95.4681	-317	PS	3.2	0	9.5	0	1.3	1	0.332	0	2.400	-1	7.220	-1	2187	45	2.1
14518.2	10000	38.8093	95.4673	-320	PS	3.4	1	8.8	-1	1.3	1	0.391	1	2.735	0	7.000	-1	2164	43	2.1
14518.3	10000	38.8093	95.4666	-323	PS	3.6	1	8.3	-1	1.2	1	0.436	2	2.976	1	6.833	-1	2148	49	2.1
14518.4	10000	38.8093	95.4658	-326	PS	3.9	2	8.6	-1	1.2	1	0.457	2	3.343	1	7.317	-1	2150	43	2.1
14518.5	10000	38.8093	95.4650	-329	PS	4.0	2	8.7	-1	1.2	1	0.464	2	3.352	1	7.223	-1	2167	43	2.1
14518.6	10000	38.8093	95.4642	-331	PS	3.9	2	8.8	-1	1.2	1	0.420	2	3.105	1	7.396	-1	2217	57	2.1
14518.7	10000	38.8093	95.4634	-334	PS	3.8	2	8.8	-1	1.2	1	0.394	2	2.930	1	7.437	-1	2255	45	2.1
14518.8	10000	38.8093	95.4626	-337	PS	3.8	2	8.8	-1	1.2	1	0.383	2	2.856	1	7.459	-1	2296	44	2.1
14518.9	10000	38.8093	95.4618	-339	PS	3.6	2	8.8	-1	1.2	1	0.353	2	2.581	1	7.313	-1	2343	52	2.1
14519.0	10000	38.8093	95.4610	-342	PS	3.4	2	8.6	-1	1.2	1	0.317	2	2.321	1	7.324	-1	2358	52	2.1
14519.1	10000	38.8093	95.4602	-345	PS	3.2	2	8.3	-1	1.2	1	0.310	2	2.179	1	7.019	-1	2347	38	2.1
14519.2	10000	38.8094	95.4594	-347	PS	2.9	1	8.0	-1	1.2	1	0.285	2	1.953	1	6.854	-1	2310	36	2.1
14519.3	10000	38.8094	95.4587	-349	PS	3.1	2	9.3	0	1.3	1	0.305	2	2.028	1	6.649	-1	2258	45	2.1
14519.4	10000	38.8094	95.4579	-352	PS	3.0	2	9.4	0	1.3	1	0.325	2	2.127	1	6.541	-1	2225	47	2.1
14519.5	10000	38.8094	95.4571	-354	PS	2.9	1	9.5	0	1.4	1	0.305	2	2.002	1	6.559	-1	2210	41	2.1
14519.6	10000	38.8094	95.4563	-356	PS	2.6	1	9.4	0	1.4	1	0.268	2	1.796	1	6.707	-1	2199	52	2.1
14519.7	10000	38.8094	95.4555	-359	PS	2.6	1	9.8	0	1.4	1	0.266	2	1.720	1	6.471	-1	2202	37	2.1
14519.8	10000	38.8094	95.4547	-362	PS	2.4	1	9.7	0	1.4	1	0.240	2	1.595	1	6.656	-1	2222	39	2.1
14519.9	10000	38.8094	95.4539	-364	PS	2.5	1	10.4	1	1.4	1	0.240	2	1.655	1	6.899	-1	2244	35	2.1
14520.0	10000	38.8094	95.4531	-367	PS	2.4	1	10.3	1	1.4	1	0.223	2	1.585	1	7.117	-1	2276	50	2.1
14520.1	10000	38.8094	95.4523	-369	PS	2.5	1	10.8	1	1.4	1	0.237	2	1.706	1	7.186	-1	2294	45	2.1
14520.2	10000	38.8095	95.4516	-371	PS	2.5	1	10.5	1	1.4	1	0.289	2	2.061	1	7.139	-1	2297	47	2.1
14520.3	10000	38.8095	95.4508	-374	PS	2.5	1	10.4	1	1.4	1	0.302	2	2.224	1	7.361	-1	2289	49	2.1
14520.4	10000	38.8095	95.4500	-376	PS	2.5	1	10.3	1	1.4	1	0.291	2	2.302	1	7.920	-1	2295	45	2.1
14520.5	10000	38.8095	95.4492	-378	PS	2.5	1	10.4	1	1.4	1	0.308	2	2.395	1	7.780	-1	2277	53	2.1
14520.6	10000	38.8095	95.4484	-381	PS	2.5	1	10.3	1	1.4	1	0.310	2	2.415	1	7.802	-1	2268	38	2.1
14520.7	10000	38.8095	95.4476	-383	PS	2.5	1	10.4	1	1.4	1	0.337	2	2.595	1	7.692	-1	2272	47	2.1
14520.8	10000	38.8095	95.4468	-385	PS	2.5	1	10.4	1	1.4	1	0.324	2	2.473	1	7.622	-1	2278	47	2.1
14520.9	10000	38.8095	95.4460	-387	PS	2.4	1	10.3	1	1.3	1	0.306	2	2.379	1	7.786	-1	2257	55	2.1
14521.0	10000	38.8095	95.4453	-390	PS	2.4	1	10.3	1	1.3	1	0.331	2	2.523	1	7.620	-1	2253	43	2.2

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14521.1	10000	38.8095	95.4445	-393	PS	3.4	0	9.7	0	1.4	1	0.348	0	2.477	0	7.121	-1	2231	33	2.2
14521.2	10000	38.8096	95.4437	-395	PS	3.3	0	9.7	0	1.4	1	0.342	0	2.419	-1	7.075	-1	2223	41	2.2
14521.3	10000	38.8096	95.4429	-398	PS	3.5	1	9.5	0	1.4	1	0.370	1	2.560	0	6.912	-1	2226	51	2.2
14521.4	10000	38.8096	95.4421	-400	PS	3.5	1	9.0	-1	1.4	1	0.389	1	2.527	0	6.499	-1	2227	55	2.1
14521.5	10000	38.8096	95.4413	-402	PS	3.6	1	8.8	-1	1.4	1	0.413	2	2.613	0	6.326	-2	2233	49	2.1
14521.6	10000	38.8096	95.4405	-404	PS	3.8	1	8.4	-1	1.4	1	0.448	2	2.649	0	5.911	-2	2255	55	2.1
14521.7	10000	38.8096	95.4397	-407	PS	3.7	1	8.3	-1	1.5	1	0.448	2	2.569	0	5.732	-2	2265	43	2.1
14521.8	10000	38.8096	95.4389	-409	PS	4.0	2	8.6	-1	1.5	1	0.469	3	2.757	0	5.879	-2	2258	38	2.1
14521.9	10000	38.8096	95.4381	-411	PS	4.2	2	8.5	-1	1.5	2	0.490	3	2.816	0	5.746	-2	2265	54	2.1
14522.0	10000	38.8096	95.4374	-414	PS	4.1	2	8.2	-1	1.4	1	0.499	3	2.857	0	5.730	-2	2251	42	2.1
14522.1	10000	38.8097	95.4366	-416	PS	3.8	1	8.6	-1	1.4	1	0.439	2	2.717	0	6.188	-2	2229	42	2.1
14522.2	10000	38.8097	95.4358	-418	PS	3.6	1	9.1	0	1.4	1	0.399	1	2.594	0	6.500	-1	2225	38	2.1
14522.3	10000	38.8097	95.4350	-420	PS	3.3	0	9.5	0	1.4	1	0.348	0	2.365	-1	6.789	-1	2218	37	2.1
14522.4	10000	38.8097	95.4342	-423	PS	3.3	0	9.3	0	1.4	1	0.355	1	2.317	-1	6.522	-1	2193	45	2.1
14522.5	10000	38.8097	95.4334	-425	PS	3.2	0	8.8	-1	1.4	1	0.366	1	2.283	-1	6.236	-2	2197	54	2.1
14522.6	10000	38.8097	95.4326	-428	PS	3.2	0	9.2	0	1.4	1	0.350	1	2.240	-1	6.396	-2	2200	46	2.1
14522.7	10000	38.8097	95.4318	-430	PS	3.1	0	9.2	0	1.5	2	0.341	0	2.107	-1	6.186	-2	2196	47	2.1
14522.8	10000	38.8097	95.4310	-432	PS	3.1	0	9.3	0	1.4	1	0.335	0	2.156	-1	6.440	-1	2193	52	2.1
14522.9	10000	38.8097	95.4303	-434	PS	3.2	0	8.9	-1	1.4	1	0.361	1	2.272	-1	6.302	-2	2160	48	2.1
14523.0	10000	38.8098	95.4295	-436	PS	3.4	1	8.8	-1	1.4	1	0.384	1	2.452	0	6.387	-2	2149	55	2.1
14523.1	10000	38.8098	95.4287	-438	PS	3.3	0	9.1	0	1.3	1	0.365	1	2.490	0	6.818	-1	2147	55	2.1
14523.2	10000	38.8098	95.4279	-440	PS	3.2	0	9.6	0	1.3	1	0.333	0	2.406	-1	7.216	-1	2157	43	2.1
14523.3	10000	38.8098	95.4271	-443	PS	3.1	0	9.5	0	1.3	1	0.322	0	2.295	-1	7.126	-1	2150	49	2.1
14523.4	10000	38.8098	95.4263	-444	PS	3.0	0	10.1	0	1.3	1	0.296	-1	2.243	-1	7.573	-1	2167	49	2.1
14523.5	10000	38.8098	95.4255	-446	PS	3.0	0	10.1	0	1.4	1	0.294	-1	2.160	-1	7.353	-1	2179	33	2.1
14523.6	10000	38.8098	95.4247	-449	PS	3.0	0	10.1	0	1.4	1	0.294	-1	2.233	-1	7.586	-1	2196	54	2.1
14523.7	10000	38.8098	95.4240	-451	PS	3.0	0	10.1	0	1.4	1	0.292	-1	2.191	-1	7.503	-1	2195	46	2.1
14523.8	10000	38.8098	95.4232	-453	PS	3.0	0	10.1	0	1.4	1	0.304	-1	2.265	-1	7.450	-1	2197	52	2.1
14523.9	10000	38.8098	95.4224	-455	PS	3.0	0	10.1	0	1.4	1	0.309	-1	2.412	-1	7.810	-1	2185	41	2.1
14524.0	10000	38.8099	95.4216	-457	PS	3.0	0	10.1	0	1.4	1	0.305	-1	2.429	-1	7.960	-1	2184	40	2.1
14524.1	10000	38.8099	95.4208	-459	PS	3.0	0	10.1	0	1.4	1	0.320	-1	2.544	-1	7.939	-1	2165	29	2.1
14524.2	10000	38.8099	95.4200	-461	PS	3.0	0	10.1	0	1.4	1	0.326	-1	2.675	-1	8.208	-1	2163	39	2.1
14524.3	10000	38.8099	95.4192	-462	PS	3.0	0	10.1	0	1.4	1	0.315	-1	2.566	-1	8.142	-1	2163	57	2.1
14524.4	10000	38.8099	95.4184	-463	PS	3.0	0	10.1	0	1.4	1	0.309	-1	2.666	-1	8.615	-1	2171	51	2.1
14524.5	10000	38.8099	95.4176	-465	PS	3.0	0	10.1	0	1.4	1	0.285	-1	2.501	-1	8.768	-1	2173	48	2.1
14524.6	10000	38.8099	95.4169	-467	PS	3.0	0	10.1	0	1.4	1	0.281	-1	2.323	-1	8.259	-1	2185	50	2.1
14524.7	10000	38.8099	95.4161	-468	PS	3.0	0	10.1	0	1.4	1	0.274	-1	2.257	-1	8.246	-1	2203	48	2.1
14524.8	10000	38.8099	95.4153	-469	PS	3.0	0	10.1	0	1.4	1	0.269	-1	2.193	-1	8.138	-1	2221	46	2.1
14524.9	10000	38.8099	95.4145	-470	PS	3.0	0	10.1	0	1.4	1	0.286	-1	2.184	-1	8.627	-1	2215	44	2.1
14525.0	10000	38.8100	95.4137	-471	PS	3.0	0	10.1	0	1.4	1	0.274	-1	2.139	-1	8.810	-1	2234	35	2.1
14525.1	10000	38.8100	95.4129	-472	PS	3.0	0	10.1	0	1.4	1	0.248	-1	2.187	-1	8.554	-1	2232	38	2.1
14525.2	10000	38.8100	95.4121	-474	PS	3.0	0	10.1	0	1.4	1	0.247	-1	2.137	-1	8.751	-1	2238	47	2.1
14525.3	10000	38.8100	95.4113	-475	PS	3.0	0	10.1	0	1.4	1	0.244	-1	2.170	-1	8.954	-1	2239	36	2.1
14525.4	10000	38.8100	95.4105	-476	PS	3.0	0	10.1	0	1.4	1	0.269	-1	2.155	-1	9.067	-1	2241	49	2.1
14525.5	10000	38.8100	95.4097	-477	PS	3.0	0	10.1	0	1.4	1	0.266	-1	2.256	-1	9.094	-1	2226	57	2.1
14525.6	10000	38.8100	95.4090	-478	PS	3.0	0	10.1	0	1.4	1	0.248	-1	2.130	-1	8.955	-1	2237	56	2.1
14525.7	10000	38.8100	95.4082	-479	PS	3.0	0	10.1	0	1.4	1	0.248	-1	2.306	-1	9.253	-1	2220	46	2.1
14525.8	10000	38.8100	95.4074	-480	PS	3.0	0	10.1	0	1.4	1	0.240	-1	2.425	-1	9.236	-1	2235	56	2.1
14525.9	10000	38.8100	95.4066	-481	PS	3.0	0	10.1	0	1.4	1	0.231	-1	2.257	-1	9.397	-1	2244	46	2.1
14526.0	10000	38.8101	95.4058	-482	PS	3.0	0	10.1	0	1.4	1	0.231	-1	2.435	-1	9.208	-1	2247	38	2.1
14526.1	10000	38.8101	95.4050	-484	PS	3.0	0	10.1	0	1.4	1	0.231	-1	2.315	-1	9.844	-1	2244	57	2.1
14526.2	10000	38.8101	95.4042	-485	PS	3.2	0	10.2	0	1.4	1	0.231	-1	2.406	-1	9.406	-1	2239	45	2.1

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREFS	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14526.3	10000	38.8101	95.4034	-486	PS	3.0	0	10.1	0	1.4	1	0.300	0	2.187	-1	7.296	-1	2232	46	1.8
14526.4	10000	38.8101	95.4026	-487	PS	3.0	0	10.0	0	1.4	1	0.296	-1	2.071	-1	6.988	-1	2220	51	1.8
14526.5	10000	38.8101	95.4019	-487	PS	2.9	-1	9.7	0	1.4	1	0.296	-1	2.005	-1	6.768	-1	2179	51	1.8
14526.6	10000	38.8101	95.4011	-488	PS	2.7	-1	9.3	0	1.4	1	0.293	-1	1.887	-2	6.449	-1	2143	35	1.8
14526.7	10000	38.8101	95.4003	-490	PS	3.1	0	9.5	0	1.4	1	0.330	0	2.142	-1	6.489	-1	2122	41	1.8
14526.8	10000	38.8101	95.3995	-491	PS	2.9	0	9.5	0	1.4	1	0.307	0	2.058	-1	6.702	-1	2087	51	1.8
14526.9	10000	38.8101	95.3987	-491	PS	3.0	0	9.7	0	1.3	1	0.308	0	2.239	-1	7.271	-1	2079	46	1.8
14527.0	10000	38.8102	95.3979	-492	PS	3.1	0	9.7	0	1.3	1	0.325	0	2.438	-1	7.501	-1	2059	44	1.8
14527.1	10000	38.8102	95.3971	-493	PS	3.2	0	9.7	0	1.2	0	0.326	0	2.526	0	7.752	0	2043	51	1.8
14527.2	10000	38.8102	95.3963	-494	PS	3.3	0	9.8	0	1.2	0	0.338	0	2.693	0	7.960	0	2061	43	1.8
14527.3	10000	38.8102	95.3956	-495	PS	3.2	0	9.7	0	1.3	1	0.333	0	2.539	0	7.616	-1	2071	51	1.8
14527.4	10000	38.8102	95.3948	-495	PS	3.1	0	9.7	0	1.3	1	0.321	0	2.446	0	7.613	-1	2067	39	1.8
14527.5	10000	38.8102	95.3940	-496	PS	3.1	0	9.7	0	1.3	0	0.315	0	2.419	-1	7.685	0	2094	38	1.7
14527.6	10000	38.8102	95.3932	-496	PS	3.0	0	9.7	0	1.3	1	0.313	0	2.286	-1	7.307	-1	2110	46	1.7
14527.7	10000	38.8102	95.3924	-496	PS	3.0	0	9.7	0	1.4	1	0.324	0	2.189	-1	6.760	-1	2114	42	1.7
14527.8	10000	38.8102	95.3916	-497	PS	2.8	-1	9.3	0	1.3	1	0.299	0	2.065	-1	6.902	-1	2128	53	1.7
14527.9	10000	38.8102	95.3908	-498	PS	2.6	-1	9.5	0	1.3	1	0.277	-1	2.002	-1	7.224	-1	2129	48	1.7
14528.0	10000	38.8103	95.3900	-498	PS	2.8	-1	9.7	0	1.3	0	0.294	-1	2.266	-1	7.715	0	2141	52	1.7
14528.1	10000	38.8103	95.3892	-498	PS	2.8	-1	9.9	0	1.3	0	0.279	-1	2.199	-1	7.890	0	2173	49	1.7
14528.2	10000	38.8103	95.3884	-499	PS	3.0	0	10.3	1	1.3	1	0.287	-1	2.302	-1	8.014	0	2182	45	1.7
14528.3	10000	38.8103	95.3877	-500	PS	3.0	0	10.3	1	1.3	0	0.289	-1	2.344	-1	8.113	0	2196	49	1.7
14528.4	10000	38.8103	95.3869	-501	PS	3.2	0	10.3	1	1.3	1	0.291	-1	2.475	0	8.507	0	2221	41	1.7
14528.5	10000	38.8103	95.3861	-501	PS	3.4	1	10.7	1	1.3	1	0.318	0	2.628	0	8.277	0	2242	47	1.7
14528.6	10000	38.8103	95.3853	-502	PS	3.5	1	10.6	1	1.3	1	0.333	0	2.769	0	8.308	0	2250	47	1.7
14528.7	10000	38.8103	95.3845	-503	PS	3.5	1	10.9	1	1.3	1	0.317	0	2.634	0	8.320	0	2255	52	1.7
14528.8	10000	38.8103	95.3837	-503	PS	3.6	1	10.9	1	1.3	1	0.330	0	2.763	0	8.378	0	2234	52	1.7
14528.9	10000	38.8103	95.3829	-504	PS	3.6	1	10.5	1	1.3	0	0.343	0	2.835	0	8.254	0	2216	66	1.7
14529.0	10000	38.8104	95.3821	-505	PS	3.5	1	10.4	1	1.3	0	0.333	0	2.753	0	8.268	0	2202	41	1.7
14529.1	10000	38.8104	95.3813	-506	PS	3.4	1	10.1	1	1.3	0	0.339	0	2.717	0	8.006	0	2207	46	1.7
14529.2	10000	38.8104	95.3806	-507	PS	3.3	1	10.0	1	1.3	0	0.333	0	2.739	0	8.006	0	2187	52	1.7
14529.3	10000	38.8104	95.3798	-508	PS	3.3	1	10.1	1	1.3	0	0.316	0	2.633	0	8.663	0	2184	52	1.6
14529.4	10000	38.8104	95.3790	-509	PS	3.2	1	10.0	1	1.3	0	0.309	0	2.635	0	8.535	0	2180	39	1.6
14529.5	10000	38.8104	95.3782	-511	PS	3.2	1	10.1	1	1.3	0	0.317	0	2.518	0	8.325	0	2185	43	1.6
14529.6	10000	38.8104	95.3774	-512	PS	3.2	1	10.0	1	1.3	0	0.296	0	2.517	0	8.506	0	2190	44	1.6
14529.7	10000	38.8104	95.3766	-513	PS	3.2	1	10.0	1	1.3	0	0.304	0	2.583	0	8.292	0	2182	47	1.6
14529.8	10000	38.8104	95.3758	-514	PS	3.2	1	10.0	1	1.3	0	0.310	0	2.519	0	8.323	0	2147	41	1.6
14529.9	10000	38.8104	95.3750	-515	PS	3.2	1	10.0	1	1.3	0	0.295	0	2.529	0	8.532	0	2125	54	1.6
14530.0	10000	38.8105	95.3743	-517	PS	3.2	1	10.0	1	1.3	0	0.319	0	2.552	0	8.918	0	2104	44	1.6
14530.1	10000	38.8105	95.3735	-518	PS	3.2	1	10.0	1	1.3	0	0.307	0	2.536	0	8.704	0	2075	48	1.6
14530.2	10000	38.8105	95.3727	-520	PS	3.2	1	10.0	1	1.3	0	0.320	0	2.528	0	8.587	0	2043	44	1.6
14530.3	10000	38.8105	95.3719	-521	PS	3.2	1	10.0	1	1.3	0	0.320	0	2.528	0	8.587	0	2015	62	1.6
14530.4	10000	38.8105	95.3711	-523	PS	3.2	1	10.0	1	1.3	0	0.320	0	2.528	0	8.587	0	1990	38	1.6
14530.5	10000	38.8105	95.3703	-525	PS	3.2	1	10.0	1	1.3	0	0.320	0	2.528	0	8.587	0	2000	33	1.6
14530.6	10000	38.8105	95.3695	-526	PS	3.2	1	10.0	1	1.3	0	0.320	0	2.528	0	8.587	0	2017	45	1.6
14530.7	10000	38.8105	95.3687	-529	PS	3.2	1	10.0	1	1.3	0	0.320	0	2.528	0	8.587	0	2022	52	1.6
14530.8	10000	38.8105	95.3679	-530	PS	3.2	1	10.0	1	1.3	0	0.320	0	2.528	0	8.587	0	2032	41	1.6
14530.9	10000	38.8105	95.3672	-532	PS	3.2	1	10.0	1	1.3	0	0.320	0	2.528	0	8.587	0	2055	40	1.6
14531.0	10000	38.8106	95.3664	-535	PS	3.2	1	10.0	1	1.3	0	0.320	0	2.528	0	8.587	0	2067	56	1.6
14531.1	10000	38.8106	95.3656	-537	PS	3.2	1	10.0	1	1.3	0	0.320	0	2.528	0	8.587	0	2096	53	1.6
14531.2	10000	38.8106	95.3648	-539	PS	3.2	1	10.0	1	1.3	0	0.320	0	2.528	0	8.587	0	2102	53	1.6
14531.3	10000	38.8106	95.3640	-540	PS	3.2	1	10.0	1	1.3	0	0.320	0	2.528	0	8.587	0	2116	59	1.6
14531.4	10000	38.8106	95.3632	-541	PS	3.2	1	10.0	1	1.3	0	0.320	0	2.528	0	8.587	0	2138	60	1.6

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14531.5	10000	38.8106	95.3624	-543	PS	2.7	-1	10.3	1	1.3	1	0.263	-1	2.014	-1	7.662	-1	2148	49	1.6
14531.6	10000	38.8106	95.3616	-544	PS	2.6	-1	10.6	1	1.4	1	0.250	-1	1.936	-1	7.748	0	2159	49	1.6
14531.7	10000	38.8106	95.3608	-546	PS	2.9	0	10.8	1	1.3	1	0.270	-1	2.201	-1	8.165	0	2172	54	1.6
14531.8	10000	38.8106	95.3600	-547	PS	3.2	0	11.1	1	1.3	1	0.285	-1	2.431	-1	8.526	0	2186	46	1.6
14531.9	10000	38.8106	95.3593	-548	PS	3.2	0	11.6	2	1.3	1	0.272	-1	2.411	-1	8.880	0	2202	38	1.7
14532.0	10000	38.8106	95.3585	-548	PS	3.2	0	11.6	2	1.3	1	0.276	-1	2.456	0	8.898	0	2208	48	1.7
14532.1	10000	38.8107	95.3577	-550	PS	3.1	0	11.5	2	1.3	1	0.269	-1	2.359	-1	8.754	0	2209	40	1.7
14532.2	10000	38.8107	95.3569	-551	PS	3.2	0	11.2	1	1.4	1	0.289	-1	2.335	-1	8.076	0	2207	44	1.7
14532.3	10000	38.8107	95.3561	-552	PS	3.5	1	10.6	1	1.4	1	0.329	0	2.492	0	7.574	-1	2196	50	1.7
14532.4	10000	38.8107	95.3553	-553	PS	3.3	0	10.3	1	1.4	1	0.322	0	2.355	-1	7.305	-1	2180	44	1.7
14532.5	10000	38.8107	95.3545	-552	PS	3.4	1	10.2	1	1.4	1	0.332	0	2.446	0	7.368	-1	2163	50	1.7
14532.6	10000	38.8107	95.3537	-553	PS	3.6	1	10.0	0	1.4	1	0.361	1	2.599	0	7.198	-1	2142	53	1.7
14532.7	10000	38.8107	95.3530	-556	PS	3.4	1	10.1	0	1.4	1	0.339	0	2.420	-1	7.128	-1	2140	52	1.7
14532.8	10000	38.8107	95.3522	-558	PS	3.3	0	10.1	0	1.4	1	0.324	0	2.375	-1	7.325	-1	2116	45	1.7
14532.9	10000	38.8107	95.3514	-559	PS	3.2	0	10.4	1	1.3	1	0.310	0	2.393	-1	7.725	0	2114	48	1.7
14533.0	10000	38.8107	95.3506	-560	PS	3.0	0	10.5	1	1.3	1	0.284	-1	2.301	-1	8.115	0	2108	35	1.7
14533.1	10000	38.8107	95.3498	-562	PS	3.1	0	10.8	1	1.3	1	0.288	-1	2.444	0	8.479	0	2108	41	1.7
14533.2	10000	38.8108	95.3490	-563	PS	3.0	0	10.8	1	1.3	1	0.273	-1	2.267	-1	8.294	0	2114	49	1.7
14533.3	10000	38.8108	95.3483	-565	PS	2.9	0	10.8	1	1.3	1	0.270	-1	2.215	-1	8.209	0	2127	45	1.7
14533.4	10000	38.8108	95.3475	-566	PS	3.1	0	10.5	1	1.3	0	0.295	-1	2.461	0	8.345	0	2118	37	1.7
14533.5	10000	38.8108	95.3467	-567	PS	3.1	0	10.8	1	1.3	1	0.287	-1	2.378	-1	8.279	0	2135	49	1.7
14533.6	10000	38.8108	95.3459	-568	PS	3.4	1	10.8	1	1.3	1	0.318	0	2.676	0	8.418	0	2138	48	1.7
14533.7	10000	38.8108	95.3451	-570	PS	3.5	1	10.8	1	1.3	1	0.326	0	2.734	0	8.397	0	2138	42	1.7
14533.8	10000	38.8108	95.3443	-571	PS	3.3	1	10.9	1	1.3	1	0.306	0	2.594	0	8.484	0	2150	46	1.7
14533.9	10000	38.8108	95.3436	-572	PS	3.1	0	10.8	1	1.3	1	0.287	-1	2.368	-1	8.256	0	2145	38	1.7
14534.0	10000	38.8108	95.3428	-572	PS	3.1	0	10.5	1	1.3	1	0.296	-1	2.344	-1	7.918	0	2137	56	1.7
14534.1	10000	38.8108	95.3420	-573	PS	2.9	-1	10.6	1	1.3	1	0.272	-1	2.159	-1	7.940	0	2128	37	1.7
14534.2	10000	38.8108	95.3412	-573	PS	3.1	0	10.8	1	1.4	1	0.287	-1	2.286	-1	7.960	0	2118	41	1.8
14534.3	10000	38.8109	95.3404	-575	PS	2.7	-1	10.6	1	1.3	1	0.250	-1	2.043	-1	8.162	0	2109	56	1.8
14534.4	10000	38.8109	95.3396	-576	PS	2.6	-1	10.7	1	1.3	1	0.247	-1	2.018	-1	8.183	0	2113	51	1.8
14534.5	10000	38.8109	95.3389	-578	PS	2.8	-1	10.7	1	1.3	1	0.261	-1	2.157	-1	8.275	0	2113	54	1.8
14534.6	10000	38.8109	95.3381	-579	PS	2.6	-1	10.9	1	1.3	1	0.243	-1	2.087	-1	8.589	0	2100	41	1.8
14534.7	10000	38.8109	95.3373	-579	PS	2.4	-1	11.3	2	1.2	1	0.216	-2	1.977	-1	9.159	0	2095	57	1.8
14534.8	10000	38.8109	95.3365	-580	PS	2.4	-1	11.4	2	1.3	1	0.213	-2	1.933	-1	9.085	0	2098	53	1.8
14534.9	10000	38.8109	95.3357	-578	PS	2.2	-2	11.4	2	1.3	1	0.189	-2	1.691	-2	8.954	0	2101	32	1.8
14535.0	10000	38.8109	95.3349	-577	PS	2.3	-2	11.4	2	1.3	1	0.205	-2	1.781	-2	8.697	0	2130	47	1.8
14535.1	10000	38.8109	95.3342	-581	PS	2.2	-2	11.8	2	1.3	1	0.189	-2	1.622	-2	8.592	0	2157	43	1.8
14535.2	10000	38.8109	95.3334	-583	PS	2.2	-2	12.0	2	1.3	1	0.185	-2	1.508	-2	8.143	0	2188	49	1.8
14535.3	10000	38.8110	95.3326	-585	PS	2.5	-1	12.3	2	1.4	1	0.199	-2	1.607	-2	8.059	0	2243	50	1.8
14535.4	10000	38.8110	95.3318	-585	PS	2.5	-1	12.1	2	1.4	1	0.208	-2	1.611	-2	7.732	0	2262	32	1.8
14535.5	10000	38.8110	95.3310	-586	PS	2.8	0	11.8	2	1.4	1	0.239	-2	1.754	-2	7.356	-1	2278	56	1.8
14535.6	10000	38.8110	95.3302	-587	PS	2.6	0	11.3	2	1.4	1	0.263	-2	1.915	-2	7.269	-1	2264	62	1.8
14535.7	10000	38.8110	95.3295	-587	PS	2.9	0	10.9	1	1.4	1	0.264	-1	1.865	-2	7.050	-1	2242	51	1.8
14535.8	10000	38.8110	95.3287	-588	PS	3.0	0	10.7	1	1.4	1	0.284	-1	2.030	-1	7.146	-1	2235	43	1.8
14535.9	10000	38.8110	95.3279	-587	PS	3.0	0	10.5	1	1.4	1	0.285	-1	2.066	-1	7.241	-1	2213	45	1.8
14536.0	10000	38.8110	95.3271	-588	PS	2.9	0	10.4	1	1.4	1	0.280	-1	2.028	-1	7.241	-1	2213	45	1.8
14536.1	10000	38.8110	95.3263	-589	PS	2.9	-1	10.3	1	1.4	1	0.280	-1	2.028	-1	7.241	-1	2213	45	1.8
14536.2	10000	38.8110	95.3255	-589	PS	2.6	-1	10.3	1	1.4	1	0.252	-1	1.877	-2	7.315	-1	2184	69	1.8
14536.3	10000	38.8110	95.3248	-589	PS	2.5	-1	10.4	1	1.4	1	0.241	-1	1.830	-2	7.459	-1	2175	49	1.8
14536.4	10000	38.8111	95.3240	-589	PS	2.4	-1	10.5	1	1.4	1	0.229	-1	1.754	-2	7.591	-1	2167	48	1.8
14536.5	10000	38.8111	95.3232	-589	PS	2.2	-2	10.3	1	1.3	1	0.210	-2	1.686	-2	7.649	-1	2160	39	1.8
14536.6	10000	38.8111	95.3224	-589	PS	2.3	-2	10.3	1	1.3	1	0.223	-2	1.733	-2	7.780	0	2164	38	1.8
14536.7	10000	38.8111	95.3216	-589	PS	2.3	-2	10.3	1	1.3	1	0.223	-2	1.733	-2	7.780	0	2164	38	1.8
14536.8	10000	38.8111	95.3208	-589	PS	2.3	-2	10.3	1	1.3	1	0.223	-2	1.733	-2	7.780	0	2164	38	1.8
14536.9	10000	38.8111	95.3200	-589	PS	2.3	-2	10.3	1	1.3	1	0.223	-2	1.733	-2	7.780	0	2164	38	1.8
14537.0	10000	38.8111	95.3192	-589	PS	2.3	-2	10.3	1	1.3	1	0.223	-2	1.733	-2	7.780	0	2164	38	1.8
14537.1	10000	38.8111	95.3184	-589	PS	2.3	-2	10.3	1	1.3	1	0.223	-2	1.733	-2	7.780	0	2164	38	1.8
14537.2	10000	38.8111	95.3176	-589	PS	2.3	-2	10.3	1	1.3	1	0.223	-2	1.733	-2	7.780	0	2164	38	1.8
14537.3	10000	38.8111	95.3168	-589	PS	2.3	-2	10.3	1	1.3	1	0.223	-2	1.733	-2	7.780	0	2164	38	1.8
14537.4	10000	38.8111	95.3160	-589	PS	2.3	-2	10.3	1	1.3	1	0.223	-2	1.733	-2	7.780	0	2164	38	1.8
14537.5	10000	38.8111	95.3152	-589	PS	2.3	-2	10.3	1	1.3	1	0.223	-2	1.733	-2	7.780	0	2164	38	1.8
14537.6	10000	38.8111	95.3144	-589	PS	2.3	-2	10.3	1	1.3	1	0.223	-2	1.733	-2	7.780	0	2164	38	1.8

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14536.7	10000	38.8111	95.3216	-589	PS	2.4	-1	10.0	0	1.3	1	0.241	-2	1.877	-2	7.799	0	2084	51	1.8
14536.8	10000	38.8111	95.3208	-589	PS	2.6	-1	10.2	0	1.2	0	0.256	-1	2.102	-1	8.219	0	2078	43	1.8
14536.9	10000	38.8111	95.3201	-588	PS	2.7	-1	10.0	0	1.2	0	0.273	-1	2.287	-1	8.389	0	2060	50	1.8
14537.0	10000	38.8111	95.3193	-588	PS	3.1	0	9.7	0	1.2	0	0.323	0	2.695	0	8.348	0	2066	36	1.8
14537.1	10000	38.8111	95.3185	-590	PS	3.4	1	9.8	0	1.1	0	0.350	0	3.081	1	8.793	0	2048	44	1.8
14537.2	10000	38.8111	95.3177	-591	PS	3.5	1	9.6	0	1.2	0	0.367	1	3.057	1	8.340	0	2047	46	1.8
14537.3	10000	38.8111	95.3169	-592	PS	3.4	1	9.7	0	1.1	0	0.351	0	3.066	1	8.741	0	2048	45	1.8
14537.4	10000	38.8111	95.3161	-592	PS	3.5	1	9.4	0	1.1	0	0.372	1	3.074	1	8.264	0	2062	44	1.8
14537.5	10000	38.8111	95.3154	-592	PS	3.5	1	8.8	-1	1.1	0	0.395	1	3.093	1	7.832	0	2044	44	1.8
14537.6	10000	38.8111	95.3146	-592	PS	3.6	1	9.1	0	1.1	0	0.389	1	3.150	1	8.100	0	2043	39	1.8
14537.7	10000	38.8112	95.3138	-593	PS	3.4	0	9.2	0	1.1	0	0.365	1	2.971	1	8.146	0	2041	45	1.8
14537.8	10000	38.8112	95.3130	-594	PS	3.0	0	9.2	0	1.2	0	0.331	0	2.604	0	7.856	0	2047	46	1.8
14537.9	10000	38.8112	95.3122	-595	PS	3.1	0	9.5	0	1.2	0	0.330	0	2.615	0	7.929	0	2047	47	1.8
14538.0	10000	38.8112	95.3114	-596	PS	3.2	0	9.6	0	1.2	0	0.335	0	2.669	0	7.960	0	2050	41	1.8
14538.1	10000	38.8112	95.3107	-596	PS	3.2	0	10.0	0	1.2	0	0.318	0	2.601	0	8.185	0	2035	46	1.8
14538.2	10000	38.8112	95.3099	-596	PS	3.0	0	10.5	1	1.2	0	0.286	-1	2.470	0	8.641	0	2040	51	1.8
14538.3	10000	38.8112	95.3091	-597	PS	3.0	0	10.4	1	1.2	0	0.284	-1	2.427	-1	8.545	0	2052	44	1.8
14538.4	10000	38.8112	95.3083	-598	PS	2.9	0	10.6	1	1.3	1	0.275	-1	2.253	-1	8.183	0	2075	45	1.8
14538.5	10000	38.8112	95.3075	-598	PS	3.3	0	10.5	1	1.4	1	0.312	0	2.428	-1	7.788	0	2101	42	1.8
14538.6	10000	38.8112	95.3067	-598	PS	3.1	0	10.2	0	1.3	1	0.307	0	2.352	-1	7.656	-1	2111	46	1.8
14538.7	10000	38.8112	95.3060	-598	PS	3.2	0	10.3	1	1.3	1	0.306	0	2.433	-1	7.964	0	2134	39	1.8
14538.8	10000	38.8112	95.3052	-599	PS	3.4	1	10.1	0	1.3	1	0.339	0	2.644	0	7.810	0	2159	45	1.8
14538.9	10000	38.8113	95.3044	-598	PS	3.6	1	10.1	0	1.3	1	0.353	0	2.729	0	7.726	0	2184	38	1.8
14539.0	10000	38.8113	95.3036	-598	PS	3.8	1	10.0	0	1.3	1	0.375	1	2.821	0	7.513	-1	2204	41	1.8
14539.1	10000	38.8113	95.3028	-598	PS	3.7	1	10.4	1	1.3	1	0.360	1	2.895	0	8.050	0	2201	47	1.8
14539.2	10000	38.8113	95.3020	-597	PS	3.5	1	10.8	1	1.3	1	0.321	0	2.832	0	8.817	0	2203	47	1.8
14539.3	10000	38.8113	95.3013	-597	PS	3.8	1	10.6	0	1.3	1	0.359	0	3.023	0	8.419	0	2211	43	1.8
14539.4	10000	38.8113	95.3005	-597	PS	3.9	1	10.2	0	1.3	1	0.397	1	3.185	0	8.031	0	2198	50	1.8
14539.5	10000	38.8113	95.2997	-597	PS	3.7	1	9.9	0	1.3	1	0.380	0	3.069	0	8.086	0	2222	53	1.8
14539.6	10000	38.8113	95.2989	-596	PS	3.8	1	9.8	0	1.3	1	0.379	0	3.107	-1	7.675	-1	2230	53	1.8
14539.7	10000	38.8113	95.2981	-595	PS	3.7	1	9.7	0	1.3	1	0.392	1	2.886	-1	7.621	-1	2223	42	1.8
14539.8	10000	38.8113	95.2974	-595	PS	3.8	1	9.5	0	1.3	1	0.413	1	3.036	-1	7.747	-1	2238	47	1.8
14539.9	10000	38.8113	95.2966	-594	PS	3.7	1	9.5	0	1.3	1	0.369	1	3.099	-1	7.509	-1	2225	41	1.8
14540.0	10000	38.8114	95.2958	-593	PS	3.7	1	9.6	0	1.3	1	0.327	0	3.089	-1	7.370	-1	2220	44	1.8
14540.1	10000	38.8114	95.2950	-593	PS	3.5	1	9.8	0	1.3	1	0.298	0	2.793	-1	8.545	-1	2228	44	1.8
14540.2	10000	38.8114	95.2942	-591	PS	3.5	1	9.8	0	1.3	1	0.285	0	2.550	-1	8.555	-1	2223	47	1.8
14540.3	10000	38.8114	95.2934	-590	PS	3.5	1	9.9	0	1.3	1	0.302	0	2.483	-1	8.711	-1	2228	50	1.8
14540.4	10000	38.8114	95.2927	-589	PS	3.5	1	9.9	0	1.3	1	0.310	0	2.735	-1	9.072	-1	2230	48	1.8
14540.5	10000	38.8114	95.2919	-588	PS	3.5	1	9.9	0	1.3	1	0.328	0	2.642	-1	8.517	-1	2207	38	1.8
14540.6	10000	38.8114	95.2911	-587	PS	3.5	1	9.9	0	1.3	1	0.353	0	2.660	-1	8.106	-1	2202	57	1.8
14540.7	10000	38.8114	95.2903	-585	PS	3.5	1	9.9	0	1.3	1	0.352	0	2.460	-1	7.384	-1	2186	50	1.8
14540.8	10000	38.8114	95.2895	-583	PS	3.5	1	9.9	0	1.3	1	0.352	0	2.516	-1	7.181	-1	2178	49	1.8
14540.9	10000	38.8114	95.2887	-582	PS	3.5	1	9.9	0	1.3	1	0.352	0	2.531	-1	7.183	-1	2148	45	1.8
14541.0	10000	38.8114	95.2880	-581	PS	3.5	1	9.9	0	1.3	1	0.352	0	2.547	-1	7.177	-1	2136	50	1.8
14541.1	10000	38.8115	95.2872	-580	PS	3.5	1	9.9	0	1.3	1	0.352	0	2.303	-1	6.942	-1	2123	56	1.8
14541.2	10000	38.8115	95.2864	-579	PS	3.5	1	9.9	0	1.3	1	0.352	0	2.332	-1	7.130	-1	2132	45	1.8
14541.3	10000	38.8115	95.2856	-577	PS	3.5	1	9.9	0	1.3	1	0.352	0	2.325	-1	7.721	-1	2146	42	1.8
14541.4	10000	38.8115	95.2848	-576	PS	3.5	1	9.9	0	1.3	1	0.352	0	2.348	-1	7.992	-1	2197	41	1.8
14541.5	10000	38.8115	95.2840	-575	PS	3.5	1	9.9	0	1.3	1	0.352	0	2.457	-1	7.852	-1	2228	51	1.8
14541.6	10000	38.8115	95.2833	-574	PS	3.5	1	9.9	0	1.3	1	0.352	0	2.668	-1	7.622	-1	2255	52	1.8
14541.7	10000	38.8115	95.2825	-574	PD	3.5	1	9.9	0	1.3	1	0.352	0	2.583	-1	7.619	-1	2251	40	1.8
14541.8	10000	38.8115	95.2817	-573	PD	3.5	1	10.0	0	1.3	1	0.349	0	2.678	-1	7.673	-1	2256	52	1.7

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14541.9	10000	38.8115	95.2809	-573	PD	3.5	1	9.7	0	1.3	1	0.355	0	2.669	0	7.529	-1	2246	47	1.7
14542.0	10000	38.8115	95.2801	-572	PD	3.4	1	9.6	0	1.3	1	0.356	0	2.618	-1	7.350	-1	2215	33	1.7
14542.1	10000	38.8115	95.2793	-572	PD	3.5	1	9.5	0	1.3	1	0.364	1	2.729	0	7.495	-1	2149	40	1.7
14542.2	10000	38.8115	95.2786	-572	PD	3.3	1	9.5	0	1.3	1	0.343	0	2.616	-1	7.621	-1	2082	41	1.7
14542.3	10000	38.8115	95.2778	-572	PD	3.1	0	9.7	0	1.3	1	0.321	0	2.456	-1	7.661	-1	2054	43	1.7
14542.4	10000	38.8116	95.2770	-572	PD	3.1	0	9.6	0	1.2	1	0.318	0	2.471	-1	7.766	-1	2028	44	1.7
14542.5	10000	38.8116	95.2762	-573	PD	3.2	0	9.5	0	1.2	1	0.332	0	2.657	-1	7.994	-1	2023	45	1.6
14542.6	10000	38.8116	95.2754	-573	PD	3.1	0	9.8	0	1.2	1	0.323	0	2.659	0	8.241	0	2014	53	1.6
14542.7	10000	38.8116	95.2746	-574	PD	3.3	0	9.9	0	1.2	1	0.333	0	2.709	0	8.133	-1	2035	44	1.6
14542.8	10000	38.8116	95.2739	-574	PD	3.4	1	9.2	0	1.2	1	0.373	1	2.879	0	7.720	-1	2039	45	1.6
14542.9	10000	38.8116	95.2731	-575	PD	3.6	1	9.1	0	1.2	1	0.389	1	2.850	0	7.317	-1	2085	50	1.6
14543.0	10000	38.8116	95.2723	-576	PD	3.6	1	9.0	-1	1.3	1	0.397	1	2.844	0	7.171	-1	2090	46	1.6
14543.1	10000	38.8116	95.2715	-576	PD	3.8	1	9.6	0	1.3	1	0.392	1	2.853	0	7.273	-1	2116	58	1.6
14543.2	10000	38.8116	95.2707	-576	PD	3.5	1	9.5	0	1.4	2	0.371	1	2.503	-1	6.748	-2	2135	48	1.6
14543.3	10000	38.8116	95.2700	-577	PD	3.4	0	9.6	0	1.4	2	0.351	0	2.342	-1	6.664	-2	2151	52	1.6
14543.4	10000	38.8116	95.2692	-578	PD	3.2	0	9.3	0	1.4	2	0.342	0	2.201	-1	6.426	-2	2149	45	1.6
14543.5	10000	38.8116	95.2684	-579	PD	2.8	-1	9.9	0	1.5	2	0.287	-1	1.914	-2	6.678	-2	2175	46	1.6
14543.6	10000	38.8117	95.2676	-581	PD	3.0	0	10.6	1	1.5	2	0.281	-1	2.025	-2	7.218	-1	2178	44	1.6
14543.7	10000	38.8117	95.2668	-582	PD	3.0	0	11.0	1	1.5	2	0.268	-1	2.018	-2	7.540	-1	2193	48	1.6
14543.8	10000	38.8117	95.2660	-583	PD	2.8	-1	11.2	1	1.5	2	0.247	-2	1.902	-2	7.691	-1	2213	52	1.6
14543.9	10000	38.8117	95.2653	-584	PD	2.8	-1	11.6	2	1.4	2	0.239	-2	2.001	-2	8.383	0	2196	42	1.6
14544.0	10000	38.8117	95.2645	-585	PD	2.9	-1	11.6	2	1.4	2	0.249	-2	2.090	-1	8.389	0	2192	42	1.6
14544.1	10000	38.8117	95.2637	-586	PD	3.0	0	11.4	1	1.4	1	0.263	-1	2.212	-1	8.399	0	2190	42	1.6
14544.2	10000	38.8117	95.2629	-587	PD	3.2	0	11.5	2	1.3	1	0.279	-1	2.404	-1	8.603	0	2186	46	1.6
14544.3	10000	38.8117	95.2621	-588	PD	3.3	0	11.3	1	1.3	1	0.291	-1	2.482	-1	8.540	0	2181	45	1.6
14544.4	10000	38.8117	95.2613	-589	PD	3.4	1	10.9	1	1.3	1	0.315	0	2.636	-1	8.378	0	2178	35	1.6
14544.5	10000	38.8117	95.2606	-590	PD	3.5	1	10.4	1	1.3	1	0.337	0	2.743	0	8.138	-1	2153	53	1.5
14544.6	10000	38.8117	95.2598	-591	PS	3.7	1	10.0	1	1.3	1	0.370	1	2.859	0	7.724	0	2148	56	1.5
14544.7	10000	38.8118	95.2590	-592	PS	3.8	1	9.9	1	1.3	0	0.381	1	2.991	1	7.859	0	2142	49	1.5
14544.8	10000	38.8118	95.2582	-593	PS	3.7	1	10.4	1	1.2	0	0.356	1	3.063	1	8.605	0	2148	44	1.5
14544.9	10000	38.8118	95.2574	-594	PS	3.4	1	10.5	1	1.2	0	0.345	1	3.022	1	8.754	0	2141	43	1.5
14545.0	10000	38.8118	95.2566	-595	PS	3.3	1	10.4	1	1.2	0	0.325	1	2.795	0	8.600	0	2130	48	1.5
14545.1	10000	38.8118	95.2559	-596	PS	3.1	0	10.7	1	1.2	0	0.311	1	2.780	1	8.934	0	2106	55	1.5
14545.2	10000	38.8118	95.2551	-597	PS	3.1	0	11.0	1	1.2	0	0.305	1	2.848	1	9.335	1	2099	42	1.5
14545.3	10000	38.8118	95.2543	-598	PS	3.2	0	10.8	1	1.1	0	0.302	1	2.978	1	9.856	1	2094	44	1.5
14545.4	10000	38.8118	95.2535	-598	PS	3.2	1	10.8	1	1.1	0	0.294	1	2.829	1	9.623	1	2088	51	1.5
14545.5	10000	38.8118	95.2527	-599	PS	3.1	0	10.8	1	1.2	0	0.284	1	2.705	1	9.541	1	2074	44	1.5
14545.6	10000	38.8118	95.2519	-600	PS	3.0	0	10.8	1	1.2	0	0.278	1	2.524	1	9.089	1	2072	47	1.5
14545.7	10000	38.8118	95.2512	-600	PS	2.8	-1	10.8	1	1.2	0	0.259	1	2.283	1	8.817	0	2066	45	1.5
14545.8	10000	38.8119	95.2504	-600	PD	2.7	0	10.5	1	1.2	0	0.258	1	2.164	1	8.373	0	2077	52	1.5
14545.9	10000	38.8119	95.2496	-601	PD	2.6	0	10.1	1	1.3	0	0.260	1	2.073	1	7.977	-1	2090	43	1.5
14546.0	10000	38.8119	95.2488	-601	PD	2.8	0	10.2	1	1.3	0	0.282	1	2.145	1	7.613	-1	2113	49	1.5
14546.1	10000	38.8119	95.2480	-601	PD	2.8	0	10.0	1	1.4	0	0.275	1	2.071	1	7.540	-1	2124	50	1.5
14546.2	10000	38.8119	95.2472	-601	PD	2.9	0	10.0	1	1.4	0	0.282	1	2.047	2	7.258	-1	2132	43	1.5
14546.3	10000	38.8119	95.2465	-601	PD	2.9	0	10.0	1	1.4	0	0.301	1	2.171	1	7.213	-1	2140	44	1.5
14546.4	10000	38.8119	95.2457	-600	PD	2.9	0	10.0	1	1.4	0	0.312	1	2.236	1	7.175	-1	2150	49	1.5
14546.5	10000	38.8119	95.2449	-600	PD	3.0	0	10.1	1	1.4	0	0.323	1	2.331	1	7.225	-1	2159	53	1.5
14546.6	10000	38.8119	95.2441	-599	PD	3.1	0	10.3	1	1.4	0	0.333	1	2.488	1	7.465	-1	2140	47	1.5
14546.7	10000	38.8119	95.2433	-599	PD	3.4	1	10.4	1	1.4	0	0.328	1	2.163	1	7.712	-1	2126	44	1.5
14546.8	10000	38.8119	95.2426	-598	PD	3.5	1	10.3	1	1.4	0	0.336	1	2.377	1	7.576	-1	2117	47	1.5
14546.9	10000	38.8119	95.2418	-597	PD	3.5	1	10.1	1	1.4	0	0.346	1	2.457	1	7.319	-1	2117	56	1.5
14547.0	10000	38.8119	95.2410	-597	PD	3.4	1	9.5	1	1.4	0	0.356	1	2.509	1	7.050	-1	2116	54	1.5

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14547.1	10000	38.8119	95.2402	-596	PD	3.5	1	9.6	0	1.3	1	0.362	1	2.678	0	7.403	-1	2124	54	1.5
14547.2	10000	38.8119	95.2394	-594	PD	3.4	0	10.1	0	1.3	1	0.337	0	2.629	-1	7.803	-1	2131	43	1.5
14547.3	10000	38.8119	95.2386	-593	PD	3.4	1	10.0	0	1.3	1	0.343	0	2.558	-1	7.462	-1	2158	45	1.5
14547.4	10000	38.8119	95.2379	-591	PS	3.6	1	9.6	0	1.3	1	0.378	1	2.698	0	7.143	-1	2167	50	1.5
14547.5	10000	38.8119	95.2371	-590	PS	3.5	1	9.7	0	1.4	1	0.361	1	2.553	0	7.076	-1	2186	34	1.5
14547.6	10000	38.8119	95.2363	-588	PS	3.6	1	10.1	0	1.4	1	0.359	1	2.651	0	7.381	-1	2195	43	1.5
14547.7	10000	38.8119	95.2355	-586	PS	3.5	1	10.5	1	1.3	1	0.336	0	2.645	0	7.878	0	2196	65	1.5
14547.8	10000	38.8120	95.2347	-583	PS	3.5	1	10.2	0	1.4	1	0.349	0	2.580	0	7.391	-1	2191	47	1.5
14547.9	10000	38.8120	95.2339	-580	PS	3.5	1	10.1	0	1.4	1	0.350	0	2.498	0	7.142	-1	2197	39	1.5
14548.0	10000	38.8120	95.2332	-578	PS	3.4	1	10.0	0	1.4	1	0.340	0	2.398	-1	7.047	-1	2193	37	1.5
14548.1	10000	38.8120	95.2324	-578	PS	3.3	0	9.9	0	1.4	1	0.329	0	2.295	-1	6.972	-1	2184	45	1.5
14548.2	10000	38.8120	95.2316	-577	PS	3.5	1	10.0	0	1.5	1	0.347	0	2.388	-1	6.886	-1	2168	50	1.5
14548.3	10000	38.8120	95.2308	-575	PS	3.3	0	10.1	0	1.5	2	0.325	0	2.232	-1	6.869	-1	2145	38	1.5
14548.4	10000	38.8120	95.2300	-574	PS	3.3	0	9.7	0	1.5	2	0.341	0	2.205	-1	6.459	-1	2141	47	1.5
14548.5	10000	38.8120	95.2293	-573	PS	3.4	1	9.9	0	1.5	2	0.343	0	2.296	-1	6.686	-1	2139	45	1.5
14548.6	10000	38.8120	95.2285	-571	PS	3.2	0	9.9	0	1.4	1	0.329	0	2.283	-1	6.930	-1	2124	54	1.5
14548.7	10000	38.8120	95.2277	-567	PS	3.2	0	10.2	0	1.4	1	0.320	0	2.342	-1	7.319	-1	2136	48	1.5
14548.8	10000	38.8120	95.2269	-567	PS	3.3	0	10.3	1	1.4	1	0.315	0	2.346	-1	7.436	-1	2144	46	1.6
14548.9	10000	38.8120	95.2261	-569	PS	3.1	0	10.3	1	1.3	1	0.302	0	2.327	-1	7.708	0	2157	51	1.6
14549.0	10000	38.8120	95.2254	-569	PS	3.2	0	10.3	1	1.3	1	0.313	0	2.427	-1	7.746	0	2173	55	1.6
14549.1	10000	38.8120	95.2246	-568	PS	3.2	0	10.3	1	1.3	1	0.313	0	2.491	0	7.962	0	2185	57	1.6
14549.2	10000	38.8120	95.2238	-569	PS	3.1	0	10.3	1	1.3	1	0.307	0	2.417	-1	7.881	0	2186	46	1.6
14549.3	10000	38.8120	95.2230	-569	PS	3.2	0	10.1	0	1.4	1	0.306	0	2.231	-1	7.283	-1	2188	51	1.6
14549.4	10000	38.8120	95.2222	-570	PS	3.2	0	10.1	0	1.4	1	0.314	0	2.240	-1	7.139	-1	2172	59	1.6
14549.5	10000	38.8120	95.2214	-571	PS	3.3	0	10.2	0	1.4	1	0.322	0	2.314	-1	7.185	-1	2183	33	1.6
14549.6	10000	38.8120	95.2207	-572	PS	3.2	0	10.0	0	1.4	1	0.322	0	2.309	-1	7.171	-1	2164	45	1.6
14549.7	10000	38.8120	95.2199	-572	PS	3.2	0	10.0	0	1.4	1	0.316	0	2.308	-1	7.309	-1	2158	59	1.6
14549.8	10000	38.8120	95.2191	-573	PS	3.0	0	10.1	0	1.4	1	0.298	-1	2.186	-1	7.338	-1	2149	39	1.6
14549.9	10000	38.8120	95.2183	-575	PS	3.1	0	10.3	1	1.4	1	0.305	0	2.306	-1	7.558	-1	2140	45	1.6
14550.0	10000	38.8120	95.2175	-576	PS	3.4	1	9.9	0	1.3	1	0.339	0	2.671	-1	7.889	0	2130	46	1.6
14550.1	10000	38.8120	95.2168	-578	PS	3.4	1	9.9	0	1.3	1	0.342	0	2.711	-1	7.916	0	2133	45	1.6
14550.2	10000	38.8120	95.2160	-580	PS	3.4	1	9.8	0	1.3	1	0.348	0	2.739	-1	7.860	0	2117	57	1.6
14550.3	10000	38.8120	95.2152	-581	PS	3.4	1	9.7	0	1.3	1	0.351	0	2.676	-1	7.623	-1	2129	48	1.6
14550.4	10000	38.8120	95.2144	-582	PS	3.4	1	9.9	0	1.3	1	0.358	0	2.498	-1	6.982	-1	2135	58	1.6
14550.5	10000	38.8120	95.2136	-583	PS	3.4	1	9.9	0	1.3	1	0.383	0	2.682	-1	7.005	-1	2135	43	1.6
14550.6	10000	38.8120	95.2128	-584	PS	3.6	1	9.9	0	1.4	1	0.410	0	2.684	-1	6.547	-1	2138	24	1.6
14550.7	10000	38.8120	95.2121	-586	PS	3.7	1	9.8	0	1.4	1	0.415	0	2.743	-1	6.602	-1	2137	49	1.7
14550.8	10000	38.8120	95.2113	-588	PS	3.8	1	9.8	0	1.4	1	0.432	0	2.726	-2	6.313	-2	2119	36	1.7
14550.9	10000	38.8120	95.2105	-589	PS	3.8	1	9.8	0	1.4	1	0.436	0	2.845	-1	6.529	-1	2083	46	1.7
14551.0	10000	38.8120	95.2097	-590	PS	3.8	1	9.8	0	1.4	1	0.446	0	2.980	-1	6.687	-1	2034	41	1.7
14551.1	10000	38.8120	95.2089	-591	PS	3.8	1	9.8	0	1.4	1	0.449	0	3.139	-1	6.985	-1	2010	50	1.7
14551.2	10000	38.8120	95.2081	-592	PS	3.8	1	9.8	0	1.4	1	0.447	0	3.130	-1	7.000	-1	1996	45	1.7
14551.3	10000	38.8120	95.2074	-592	PS	3.8	1	9.8	0	1.4	1	0.377	0	2.802	-1	7.424	-1	1975	38	1.7
14551.4	10000	38.8120	95.2066	-593	PS	3.8	1	9.8	0	1.4	1	0.354	0	2.629	-1	7.432	-1	1963	55	1.7
14551.5	10000	38.8120	95.2058	-593	PD	3.8	1	9.8	0	1.4	1	0.359	0	2.733	-1	7.620	-1	1960	48	1.7
14551.6	10000	38.8120	95.2050	-594	PD	3.8	1	9.8	0	1.4	1	0.335	0	2.641	-1	7.883	-1	1991	47	1.7
14551.7	10000	38.8120	95.2042	-595	PD	3.8	1	9.8	0	1.4	1	0.331	0	2.438	-1	7.827	-1	2026	58	1.7
14551.8	10000	38.8120	95.2035	-596	PD	3.8	1	9.8	0	1.4	1	0.331	0	2.494	-1	7.922	-1	2020	38	1.7
14551.9	10000	38.8120	95.2027	-596	PD	3.8	1	9.8	0	1.4	1	0.341	0	2.382	-1	7.592	-1	2013	46	1.7
14552.0	10000	38.8120	95.2019	-597	PD	3.8	1	9.8	0	1.4	1	0.320	0	2.603	-1	7.645	-1	2022	62	1.7
14552.1	10000	38.8120	95.2011	-597	PD	3.8	1	9.8	0	1.4	1	0.279	0	2.366	-1	7.382	-1	2043	50	1.7
14552.2	10000	38.8120	95.2003	-597	PD	2.8	-1	9.9	0	1.3	1	0.279	-1	2.122	-1	7.596	-1	2058	33	1.7

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14552.3	10000	38.8120	95.1996	-599	PD	2.8	-1	9.5	0	1.3	1	0.296	-1	2.196	-1	7.411	-1	2044	37	1.7
14552.4	10000	38.8120	95.1988	-600	PD	2.9	-1	9.4	0	1.2	1	0.310	0	2.335	-1	7.538	-1	2041	48	1.8
14552.5	10000	38.8120	95.1980	-601	PD	3.0	0	9.0	-1	1.3	1	0.330	0	2.309	-1	6.994	-1	2051	39	1.8
14552.6	10000	38.8120	95.1972	-601	PD	2.7	-1	8.8	-1	1.3	1	0.308	0	2.110	-1	6.844	-1	2048	39	1.8
14552.7	10000	38.8120	95.1964	-602	PD	2.6	-1	8.2	-1	1.3	1	0.319	0	2.036	-2	6.380	-2	2031	46	1.8
14552.8	10000	38.8120	95.1956	-603	PD	3.0	0	8.0	-1	1.3	1	0.373	1	2.311	-1	6.199	-2	2015	48	1.8
14552.9	10000	38.8120	95.1949	-603	PD	3.0	0	7.4	-2	1.2	1	0.405	1	2.421	-1	5.980	-2	1983	41	1.8
14553.0	10000	38.8120	95.1941	-604	PD	2.9	0	7.1	-2	1.3	1	0.417	2	2.330	-1	5.582	-2	1970	41	1.8
14553.1	10000	38.8120	95.1933	-605	PD	2.9	-1	7.0	-2	1.3	1	0.419	2	2.284	-1	5.453	-2	1958	54	1.8
14553.2	10000	38.8120	95.1925	-606	PD	3.0	0	7.5	-2	1.3	1	0.397	1	2.361	-1	5.942	-2	1952	46	1.8
14553.3	10000	38.8120	95.1917	-608	PD	3.1	0	7.7	-2	1.2	1	0.399	1	2.481	-1	6.221	-2	1955	53	1.8
14553.4	10000	38.8120	95.1909	-609	PD	2.9	0	8.2	-1	1.2	1	0.358	0	2.468	-1	6.897	-1	1954	43	1.8
14553.5	10000	38.8120	95.1902	-609	PD	2.8	-1	8.4	-1	1.2	0	0.335	0	2.385	-1	7.123	-1	1940	47	1.8
14553.6	10000	38.8120	95.1894	-610	PD	2.9	-1	8.3	-1	1.2	1	0.349	0	2.401	-1	6.872	-1	1930	41	1.8
14553.7	10000	38.8120	95.1886	-611	PD	2.7	-1	8.4	-1	1.2	1	0.321	0	2.251	-1	7.023	-1	1919	46	1.8
14553.8	10000	38.8120	95.1878	-612	PD	2.7	-1	8.4	-1	1.2	0	0.322	0	2.296	-1	7.132	-1	1903	56	1.8
14553.9	10000	38.8120	95.1870	-612	PD	2.4	-2	8.2	-1	1.2	0	0.293	-1	2.085	-1	7.121	-1	1871	53	1.8
14554.0	10000	38.8120	95.1863	-612	PD	2.4	-2	8.0	-1	1.1	0	0.300	-1	2.133	-1	7.102	-1	1841	40	1.8
14554.1	10000	38.8120	95.1855	-613	PD	2.2	-2	8.1	-1	1.2	1	0.279	-1	1.887	-2	6.764	-2	1830	45	1.8
14554.2	10000	38.8120	95.1847	-613	PD	2.2	-2	8.2	-1	1.2	0	0.268	-1	1.910	-2	7.132	-1	1835	44	1.8
14554.3	10000	38.8120	95.1839	-613	PD	2.3	-2	8.3	-1	1.1	0	0.283	-1	2.109	-1	7.441	-1	1843	54	1.8
14554.4	10000	38.8120	95.1831	-613	PD	2.3	-2	8.5	-1	1.1	0	0.274	-1	2.086	-1	7.623	-1	1848	51	1.8
14554.5	10000	38.8120	95.1824	-613	PD	2.3	-2	8.6	-1	1.1	0	0.265	-1	2.070	-1	7.801	-1	1870	44	1.8
14554.6	10000	38.8120	95.1816	-614	PD	2.5	-1	8.4	-1	1.1	0	0.294	-1	2.251	-1	7.655	-1	1899	43	1.8
14554.7	10000	38.8120	95.1808	-615	PD	2.7	-1	8.6	-1	1.1	0	0.313	-1	2.375	-1	7.593	-1	1923	47	1.8
14554.8	10000	38.8120	95.1800	-615	PD	2.8	-1	8.6	-1	1.1	0	0.323	-1	2.566	-1	7.956	-1	1948	50	1.8
14554.9	10000	38.8120	95.1792	-615	PD	2.6	-1	8.7	-1	1.1	0	0.301	-1	2.416	-1	8.031	-1	1946	48	1.8
14555.0	10000	38.8120	95.1785	-614	PD	3.2	-1	9.2	-1	1.1	0	0.253	-1	2.103	-1	8.303	-1	1945	44	1.8
14555.1	10000	38.8120	95.1777	-614	PD	3.2	-2	9.3	-1	1.1	0	0.245	-1	2.153	-1	8.778	-1	1924	37	1.8
14555.2	10000	38.8120	95.1769	-614	PD	3.2	-2	9.5	-1	1.1	0	0.231	-2	2.023	-1	8.758	-1	1881	59	1.8
14555.3	10000	38.8120	95.1761	-614	PD	3.2	-2	9.7	-1	1.0	0	0.211	-2	1.923	-1	9.111	-1	1843	44	1.8
14555.4	10000	38.8120	95.1753	-614	PD	3.2	-2	9.5	-1	1.0	0	0.199	-2	1.953	-1	9.826	-1	1822	49	1.8
14555.5	10000	38.8120	95.1745	-612	PD	3.2	-2	9.3	-1	1.0	0	0.230	-2	2.302	-1	10.015	-1	1800	44	1.8
14555.6	10000	38.8120	95.1738	-611	PD	3.2	-2	9.1	-1	0.9	0	0.269	-2	2.648	-1	9.844	-1	1780	46	1.8
14555.7	10000	38.8120	95.1730	-611	PD	3.2	-2	8.8	-1	0.9	0	0.277	-2	2.762	-1	9.962	-1	1767	39	1.8
14555.8	10000	38.8120	95.1722	-611	PD	3.2	-2	8.6	-1	0.9	0	0.308	-2	2.997	-1	9.743	-1	1764	45	1.8
14555.9	10000	38.8120	95.1714	-611	PD	3.2	-2	8.7	-1	0.9	0	0.325	-2	3.219	-1	9.913	-1	1763	43	1.8
14556.0	10000	38.8120	95.1706	-610	PD	3.2	-2	8.7	-1	0.9	0	0.331	-2	3.282	-1	9.907	-1	1784	42	1.8
14556.1	10000	38.8120	95.1698	-610	PD	3.2	-2	8.7	-1	0.9	0	0.356	-2	3.305	-1	9.284	-1	1814	52	1.8
14556.2	10000	38.8120	95.1691	-609	PD	3.2	-2	9.0	-1	1.0	1	0.347	-2	3.221	-1	9.285	-1	1855	39	1.8
14556.3	10000	38.8120	95.1683	-609	PD	3.2	-2	9.1	-1	1.0	1	0.328	-2	2.964	-1	9.024	-1	1902	38	1.8
14556.4	10000	38.8120	95.1675	-608	PD	3.2	-2	9.3	-1	1.0	1	0.341	-2	3.002	-1	8.815	-1	1957	40	1.8
14556.5	10000	38.8120	95.1667	-607	PD	3.2	-2	9.5	-1	1.0	1	0.362	-2	3.135	-1	8.669	-1	2002	48	1.8
14556.6	10000	38.8120	95.1659	-604	PD	3.2	-2	9.6	-1	1.0	1	0.361	-2	3.156	-1	8.475	-1	2044	40	1.8
14556.7	10000	38.8120	95.1652	-598	PD	3.2	-2	9.7	-1	1.0	1	0.366	-2	3.030	-1	8.282	-1	2068	47	1.8
14556.8	10000	38.8120	95.1644	-594	PD	3.2	-2	9.8	-1	1.0	1	0.354	-2	2.961	-1	8.358	-1	2069	47	1.8
14556.9	10000	38.8120	95.1636	-599	PD	3.2	-2	9.7	-1	1.0	1	0.345	-2	2.907	-1	8.194	-1	2053	42	1.8
14557.0	10000	38.8120	95.1628	-603	PD	3.2	-2	9.6	-1	1.0	1	0.339	-2	2.974	-1	8.618	-1	2045	55	1.8
14557.1	10000	38.8120	95.1620	-603	PD	3.2	-2	9.7	-1	1.0	1	0.314	-2	2.912	-1	8.599	-1	2020	44	1.8
14557.2	10000	38.8120	95.1612	-602	PD	3.2	-2	9.5	-1	1.0	1	0.322	-2	2.683	-1	8.556	-1	2011	52	1.8
14557.3	10000	38.8120	95.1605	-601	PD	3.2	-2	9.5	-1	1.0	1	0.309	-2	2.802	-1	8.703	-1	2020	39	1.8
14557.4	10000	38.8120	95.1597	-600	PD	2.9	-1	9.5	0	1.1	1	0.305	-2	2.664	-1	8.630	-1	1998	46	1.7

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14557.5	10000	38.8120	95.1589	-598	PD	3.0	0	9.9	0	1.1	0	0.306	0	2.682	0	8.775	0	1987	57	1.7
14557.6	10000	38.8120	95.1581	-596	PD	2.9	-1	9.6	0	1.1	0	0.304	-1	2.673	0	8.784	0	1968	32	1.7
14557.7	10000	38.8120	95.1573	-595	PD	2.8	-1	9.6	0	1.1	0	0.298	-1	2.613	-1	8.767	0	1940	38	1.7
14557.8	10000	38.8120	95.1566	-594	PD	3.0	0	9.2	0	1.1	0	0.323	0	2.807	0	8.705	0	1920	53	1.7
14557.9	10000	38.8120	95.1558	-592	PD	2.9	-1	9.2	0	1.0	-1	0.313	0	2.863	0	9.146	0	1890	40	1.7
14558.0	10000	38.8121	95.1550	-591	PD	2.7	-1	8.9	-1	1.0	-1	0.306	0	2.740	0	8.953	0	1857	48	1.7
14558.1	10000	38.8120	95.1542	-589	PD	2.7	-1	8.6	-1	1.0	-1	0.320	0	2.845	0	8.884	0	1847	43	1.7
14558.2	10000	38.8121	95.1534	-588	PD	2.6	-1	8.5	-1	0.9	-1	0.313	0	2.843	0	9.084	0	1824	43	1.7
14558.3	10000	38.8120	95.1526	-586	PD	2.7	-1	8.1	-1	0.9	-1	0.335	0	2.979	0	8.901	0	1810	53	1.7
14558.4	10000	38.8121	95.1519	-585	PD	2.8	-1	8.0	-1	0.9	-1	0.351	0	3.234	0	9.227	0	1801	45	1.7
14558.5	10000	38.8120	95.1511	-583	PD	2.7	-1	8.4	-1	0.9	-1	0.323	0	3.092	0	9.562	0	1797	39	1.7
14558.6	10000	38.8121	95.1503	-582	PD	2.8	-1	8.2	-1	0.9	-1	0.342	0	3.181	0	9.305	0	1813	46	1.7
14558.7	10000	38.8120	95.1495	-580	PD	2.9	-1	8.2	-1	0.9	-1	0.357	0	3.287	1	9.208	0	1816	48	1.7
14558.8	10000	38.8121	95.1487	-579	PD	3.0	0	8.6	-1	0.9	-1	0.346	0	3.451	1	9.985	1	1813	43	1.7
14558.9	10000	38.8121	95.1479	-578	PD	3.0	0	8.6	-1	0.8	-1	0.345	0	3.503	1	10.166	1	1812	38	1.7
14559.0	10000	38.8121	95.1472	-577	PD	3.0	0	9.0	-1	0.8	-2	0.333	0	3.583	1	10.771	1	1808	50	1.7
14559.1	10000	38.8121	95.1464	-576	PD	3.2	0	8.7	-1	0.8	-2	0.362	1	3.928	2	10.856	1	1792	58	1.7
14559.2	10000	38.8121	95.1456	-575	PD	3.1	0	8.7	-1	0.8	-2	0.354	0	3.950	2	11.155	2	1779	45	1.6
14559.3	10000	38.8121	95.1448	-574	PD	3.0	0	8.8	-1	0.8	-2	0.342	0	3.862	1	11.295	2	1771	41	1.6
14559.4	10000	38.8121	95.1440	-573	PD	2.9	-1	9.4	0	0.8	-2	0.309	0	3.852	1	12.463	2	1783	50	1.6
14559.5	10000	38.8121	95.1433	-572	PD	2.9	-1	9.3	0	0.8	-2	0.314	0	3.636	1	11.585	2	1808	52	1.6
14559.6	10000	38.8121	95.1425	-571	PD	3.2	0	9.6	0	0.8	-2	0.331	0	3.940	2	11.899	2	1852	43	1.6
14559.7	10000	38.8121	95.1417	-570	PD	3.3	0	9.7	0	0.8	-2	0.342	0	4.020	2	11.746	2	1875	43	1.6
14559.8	10000	38.8121	95.1409	-569	PD	3.3	0	10.1	0	0.9	-1	0.327	0	3.669	1	11.229	2	1920	55	1.6
14559.9	10000	38.8121	95.1401	-568	PD	3.4	0	10.1	0	0.9	-1	0.338	0	3.749	1	11.107	2	1943	36	1.6
14560.0	10000	38.8121	95.1394	-568	PD	3.7	1	10.4	1	0.9	-1	0.355	0	4.010	2	11.281	2	1974	54	1.6
14560.1	10000	38.8121	95.1386	-567	PD	3.8	1	10.5	1	0.9	-1	0.362	0	4.014	2	11.089	2	1978	55	1.6
14560.2	10000	38.8121	95.1378	-566	PD	3.8	0	10.1	0	0.9	-1	0.377	0	4.524	2	12.002	2	1976	47	1.6
14560.3	10000	38.8121	95.1370	-565	PD	3.6	0	9.8	0	0.9	-1	0.394	0	4.390	2	11.145	2	1956	45	1.6
14560.4	10000	38.8121	95.1362	-565	PD	3.5	0	9.9	0	0.9	-1	0.366	0	4.039	2	11.041	2	1968	55	1.6
14560.5	10000	38.8121	95.1355	-563	PD	3.6	0	9.9	0	0.9	-1	0.351	0	3.967	2	11.298	2	1954	40	1.6
14560.6	10000	38.8121	95.1347	-562	PD	3.4	0	9.9	0	0.9	-1	0.363	0	4.068	2	11.219	2	1942	52	1.6
14560.7	10000	38.8121	95.1339	-561	PD	3.3	0	9.9	0	0.9	-1	0.364	0	3.978	1	10.914	1	1928	54	1.6
14560.8	10000	38.8121	95.1331	-561	PD	3.3	0	9.9	0	0.9	-1	0.365	0	4.005	1	10.988	1	1927	54	1.6
14560.9	10000	38.8121	95.1323	-559	PD	3.2	0	9.9	0	0.9	-1	0.360	0	3.840	1	10.665	1	1921	35	1.6
14561.0	10000	38.8121	95.1315	-558	PD	3.2	0	9.9	0	0.9	-1	0.343	0	3.662	1	10.662	1	1923	47	1.6
14561.1	10000	38.8121	95.1307	-558	PD	3.3	0	9.9	0	0.9	-1	0.380	0	3.963	1	10.424	1	1908	49	1.6
14561.2	10000	38.8121	95.1299	-557	PD	3.4	0	9.9	0	0.9	-1	0.375	0	3.999	1	10.667	1	1919	53	1.6
14561.3	10000	38.8121	95.1292	-556	PD	3.4	0	9.9	0	0.9	-1	0.364	0	3.968	1	10.911	1	1932	45	1.6
14561.4	10000	38.8121	95.1284	-555	PD	3.4	0	9.9	0	0.9	-1	0.359	0	4.149	2	11.560	2	1931	52	1.6
14561.5	10000	38.8121	95.1276	-555	PD	3.4	0	9.9	0	0.8	-1	0.386	0	4.247	2	11.008	2	1937	29	1.6
14561.6	10000	38.8121	95.1268	-554	PD	3.5	0	9.9	0	0.8	-2	0.406	0	4.503	2	11.102	2	1946	61	1.6
14561.7	10000	38.8121	95.1260	-553	PD	3.7	1	9.9	0	0.8	-2	0.402	0	4.546	2	11.310	2	1942	38	1.6
14561.8	10000	38.8121	95.1252	-550	PD	3.7	1	9.9	0	0.8	-2	0.348	0	3.950	2	11.337	2	1962	48	1.6
14561.9	10000	38.8121	95.1244	-549	PD	3.5	0	9.9	0	0.8	-2	0.327	0	3.642	2	11.126	2	1982	51	1.6
14562.0	10000	38.8121	95.1236	-551	PD	3.5	0	9.9	0	0.8	-2	0.336	0	3.636	2	10.812	1	2000	48	1.6
14562.1	10000	38.8121	95.1228	-551	PD	3.3	0	9.9	0	0.8	-2	0.295	0	3.056	2	10.374	1	2020	41	1.6
14562.2	10000	38.8121	95.1220	-552	PD	3.3	0	9.9	0	0.8	-2	0.284	0	2.993	2	10.551	1	2037	45	1.6
14562.3	10000	38.8120	95.1212	-552	PD	3.3	0	9.9	0	0.8	-2	0.275	0	2.754	2	10.018	1	2052	47	1.6
14562.4	10000	38.8120	95.1204	-552	PD	3.3	0	9.9	0	0.8	-2	0.255	0	2.622	2	10.292	1	2070	40	1.6
14562.5	10000	38.8120	95.1196	-553	PD	3.1	0	9.9	0	0.8	-2	0.278	0	2.899	2	10.428	1	2071	47	1.6
14562.6	10000	38.8120	95.1188	-553	PD	3.0	0	9.9	0	0.8	-2	0.289	-1	2.878	2	9.966	1	2047	62	1.6

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14562.7	10000	38.8120	95.1180	-553	PD	2.9	-1	10.3	1	1.0	-1	0.283	-1	2.959	0	10.449	1	2040	43	1.6
14562.8	10000	38.8120	95.1172	-553	PD	3.3	0	10.5	1	1.0	-1	0.309	0	3.392	1	10.980	1	2032	52	1.6
14562.9	10000	38.8120	95.1165	-554	PD	3.1	0	10.2	1	1.0	-1	0.303	-1	3.232	0	10.658	1	2010	46	1.6
14563.0	10000	38.8120	95.1157	-555	PD	3.1	0	10.1	0	0.9	-1	0.311	0	3.373	1	10.831	1	2004	49	1.6
14563.1	10000	38.8120	95.1149	-557	PD	3.3	0	10.0	0	1.0	-1	0.331	0	3.493	1	10.549	1	1991	56	1.6
14563.2	10000	38.8120	95.1141	-558	PD	3.3	0	9.6	0	0.9	-1	0.349	0	3.558	1	10.191	1	1987	34	1.6
14563.3	10000	38.8120	95.1133	-560	PD	3.5	1	9.9	0	0.9	-1	0.351	0	3.746	1	10.675	1	1998	36	1.6
14563.4	10000	38.8120	95.1125	-562	PD	3.3	0	10.0	0	1.0	-1	0.335	0	3.419	1	10.209	1	2004	56	1.6
14563.5	10000	38.8120	95.1117	-564	PD	3.3	0	9.9	0	1.0	0	0.332	0	3.180	0	9.587	0	2011	50	1.6
14563.6	10000	38.8120	95.1109	-566	PD	3.4	0	10.1	0	1.1	0	0.337	0	3.217	0	9.560	0	2026	49	1.6
14563.7	10000	38.8120	95.1101	-568	PD	3.2	0	10.3	1	1.1	0	0.315	0	2.960	0	9.383	0	2024	47	1.6
14563.8	10000	38.8120	95.1093	-571	PD	3.6	1	10.3	1	1.1	0	0.353	0	3.208	0	9.080	0	2055	48	1.6
14563.9	10000	38.8120	95.1085	-573	PD	3.6	1	10.2	1	1.2	0	0.355	0	3.099	0	8.741	0	2071	48	1.6
14564.0	10000	38.8120	95.1077	-577	PD	3.7	1	10.3	1	1.2	0	0.363	1	3.187	0	8.778	0	2080	52	1.6
14564.1	10000	38.8120	95.1069	-579	PD	3.8	1	10.1	0	1.2	0	0.374	1	3.159	0	8.449	0	2095	38	1.6
14564.2	10000	38.8120	95.1061	-581	PD	3.9	1	9.9	0	1.1	0	0.393	1	3.394	1	8.630	0	2080	66	1.6
14564.3	10000	38.8120	95.1053	-583	PD	3.9	2	9.7	0	1.2	0	0.400	1	3.336	1	8.338	0	2088	41	1.6
14564.4	10000	38.8120	95.1045	-586	PD	4.0	2	9.8	0	1.1	0	0.404	1	3.546	1	8.776	0	2085	50	1.6
14564.5	10000	38.8120	95.1037	-587	PD	3.5	1	9.8	0	1.1	0	0.356	1	3.124	0	8.771	0	2048	59	1.6
14564.6	10000	38.8120	95.1030	-590	PD	3.3	1	10.2	0	1.1	0	0.324	0	3.001	0	9.267	0	2037	45	1.6
14564.7	10000	38.8120	95.1022	-593	PD	3.1	0	9.6	0	1.1	0	0.323	0	2.797	0	8.667	0	2015	36	1.6
14564.8	10000	38.8120	95.1014	-596	PD	3.3	0	9.5	0	1.1	0	0.349	0	3.101	0	8.888	0	1968	53	1.6
14564.9	10000	38.8120	95.1006	-598	PD	3.3	0	9.1	0	1.1	0	0.358	0	3.111	0	8.681	0	1943	42	1.6
14565.0	10000	38.8120	95.0998	-600	PD	3.3	0	9.0	0	1.0	-1	0.364	1	3.355	1	9.212	0	1895	44	1.6
14565.1	10000	38.8120	95.0990	-603	PD	3.2	-1	8.6	-1	1.0	-1	0.378	1	3.355	1	8.866	0	1872	41	1.6
14565.2	10000	38.8120	95.0982	-606	PD	3.6	1	8.6	-1	0.9	-1	0.419	2	3.851	1	9.193	0	1865	48	1.6
14565.3	10000	38.8120	95.0974	-608	PD	3.5	1	8.5	-1	0.9	-1	0.424	2	3.865	2	9.125	0	1846	50	1.6
14565.4	10000	38.8120	95.0966	-611	PD	3.6	1	8.6	-1	0.9	-1	0.424	2	4.061	2	9.579	0	1838	56	1.6
14565.5	10000	38.8120	95.0958	-613	PD	3.5	1	8.6	-1	0.9	-1	0.409	1	3.989	2	9.748	1	1845	43	1.6
14565.6	10000	38.8120	95.0950	-617	PD	3.6	1	8.9	-1	0.9	-1	0.404	1	3.990	2	9.882	1	1858	37	1.6
14565.7	10000	38.8120	95.0942	-619	PD	3.5	1	8.9	-1	0.9	-1	0.387	1	3.779	2	9.764	1	1871	50	1.6
14565.8	10000	38.8120	95.0934	-621	PD	3.4	1	8.8	-1	1.0	-1	0.386	1	3.505	2	9.076	1	1897	48	1.6
14565.9	10000	38.8120	95.0926	-625	PD	3.3	1	9.4	0	1.0	-1	0.355	0	3.383	1	9.540	0	1913	45	1.6
14566.0	10000	38.8120	95.0918	-628	PD	3.3	1	9.4	0	1.0	-1	0.347	0	3.283	1	9.470	0	1901	41	1.6
14566.1	10000	38.8120	95.0910	-631	PD	3.0	1	9.6	0	1.0	-1	0.310	0	3.066	1	9.887	1	1875	58	1.6
14566.2	10000	38.8120	95.0902	-634	PD	2.8	1	9.5	0	1.0	-1	0.294	-1	2.917	1	9.912	1	1865	54	1.6
14566.3	10000	38.8120	95.0894	-636	PD	2.6	1	9.4	0	1.0	-1	0.277	-1	2.660	1	9.617	1	1839	56	1.6
14566.4	10000	38.8120	95.0887	-638	PD	2.6	1	9.5	0	1.0	-1	0.274	-1	2.648	1	9.657	1	1825	51	1.6
14566.5	10000	38.8120	95.0879	-641	PD	2.6	1	9.4	0	0.9	-1	0.281	-1	2.850	1	10.142	1	1782	54	1.6
14566.6	10000	38.8120	95.0871	-643	PD	2.3	2	9.5	0	1.0	-1	0.260	-1	2.412	-1	9.280	1	1765	49	1.6
14566.7	10000	38.8120	95.0863	-644	PD	2.4	2	9.7	0	1.0	-1	0.277	-1	2.524	-1	9.103	1	1786	47	1.7
14566.8	10000	38.8120	95.0855	-646	PD	2.7	2	9.8	0	1.1	-1	0.307	-1	2.723	-1	8.860	1	1836	37	1.7
14566.9	10000	38.8120	95.0847	-647	PD	2.9	1	9.7	0	1.1	0	0.336	0	2.937	0	8.749	0	1871	49	1.6
14567.0	10000	38.8120	95.0839	-648	PD	3.0	1	9.6	0	1.1	0	0.336	0	3.033	0	9.020	0	1912	51	1.6
14567.1	10000	38.8120	95.0831	-649	PD	3.0	0	9.4	0	1.1	0	0.320	0	2.922	0	9.135	0	1950	51	1.6
14567.2	10000	38.8119	95.0823	-650	PD	3.0	0	9.2	0	1.1	0	0.302	-1	2.910	0	9.643	0	2009	37	1.6
14567.3	10000	38.8120	95.0815	-651	PD	3.0	0	9.0	0	1.1	0	0.293	-1	2.800	0	9.542	0	2051	56	1.6
14567.4	10000	38.8120	95.0807	-651	PD	3.0	0	9.0	0	1.1	0	0.277	-1	2.712	0	9.787	0	2087	40	1.6
14567.5	10000	38.8120	95.0799	-651	PD	3.1	0	9.0	0	1.1	0	0.286	-1	2.694	0	9.413	0	2114	39	1.6
14567.6	10000	38.8119	95.0791	-652	PD	3.0	0	9.1	0	1.1	0	0.268	-1	2.466	-1	9.200	0	2136	47	1.6
14567.7	10000	38.8119	95.0783	-653	PD	3.1	0	9.1	0	1.1	0	0.282	-1	2.624	-1	9.305	0	2154	40	1.6
14567.8	10000	38.8119	95.0775	-653	PD	3.1	0	10.6	1	1.2	0	0.288	-1	2.609	-1	9.053	0	2136	59	1.6

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14567.9	10000	38.8119	95.0768	-654	PD	2.9	-1	10.4	1	1.2	1	0.281	-1	2.458	-1	8.747	0	2113	50	1.6
14568.0	10000	38.8119	95.0760	-653	PD	2.9	-1	10.5	1	1.2	0	0.280	-1	2.544	-1	9.087	0	2074	39	1.6
14568.1	10000	38.8119	95.0752	-654	PD	3.0	0	10.1	0	1.1	0	0.301	-1	2.669	0	8.857	0	2021	42	1.6
14568.2	10000	38.8119	95.0744	-654	PD	2.8	-1	10.1	0	1.1	0	0.273	-1	2.605	-1	9.553	0	1970	53	1.6
14568.3	10000	38.8119	95.0736	-654	PD	2.7	-1	9.6	0	1.0	-1	0.277	-1	2.644	-1	9.557	0	1929	47	1.6
14568.4	10000	38.8119	95.0728	-654	PD	2.7	-1	9.5	0	1.0	-1	0.290	-1	2.789	0	9.631	0	1896	50	1.6
14568.5	10000	38.8119	95.0720	-654	PD	2.9	-1	9.6	0	1.0	-1	0.300	-1	2.959	0	9.850	1	1898	40	1.7
14568.6	10000	38.8119	95.0712	-654	PD	2.9	-1	9.6	0	0.9	-1	0.303	-1	3.067	0	10.139	1	1889	49	1.7
14568.7	10000	38.8119	95.0704	-654	PD	3.0	0	9.3	0	0.9	-1	0.320	0	3.272	1	10.227	1	1888	45	1.7
14568.8	10000	38.8119	95.0696	-653	PD	2.8	-1	9.2	0	0.9	-1	0.302	-1	3.081	0	10.201	1	1886	46	1.7
14568.9	10000	38.8119	95.0688	-654	PD	3.0	0	8.6	-1	0.9	-1	0.348	0	3.261	1	9.373	0	1880	53	1.7
14569.0	10000	38.8119	95.0680	-653	PD	3.1	0	8.5	-1	0.9	-1	0.362	1	3.308	1	9.130	0	1871	45	1.7
14569.1	10000	38.8119	95.0672	-652	PD	2.8	-1	8.5	-1	0.9	-1	0.333	0	3.132	0	9.398	0	1857	52	1.7
14569.2	10000	38.8119	95.0664	-652	PD	2.8	-1	8.6	-1	0.9	-1	0.322	0	3.049	0	9.470	0	1838	45	1.7
14569.3	10000	38.8119	95.0656	-652	PD	2.7	-1	8.3	-1	0.9	-1	0.324	0	2.901	0	8.946	0	1811	45	1.7
14569.4	10000	38.8119	95.0648	-652	PD	2.8	-1	8.2	-1	0.9	-1	0.340	0	3.030	0	8.907	0	1780	31	1.7
14569.5	10000	38.8119	95.0640	-652	PD	2.9	-1	8.1	-1	0.9	-1	0.359	0	3.242	0	9.028	0	1771	36	1.7
14569.6	10000	38.8119	95.0632	-652	PD	2.9	-1	8.1	-1	0.9	-1	0.356	0	3.109	0	8.721	0	1774	62	1.7
14569.7	10000	38.8119	95.0625	-651	PD	2.7	-1	8.3	-1	0.9	-1	0.329	0	2.993	0	9.096	0	1793	47	1.7
14569.8	10000	38.8119	95.0617	-650	PD	2.8	-1	8.2	-1	1.0	-1	0.343	0	2.839	0	8.281	0	1820	46	1.7
14569.9	10000	38.8119	95.0609	-649	PD	2.9	-1	8.0	-1	1.0	-1	0.359	0	2.846	0	7.937	-1	1853	46	1.7
14570.0	10000	38.8119	95.0601	-649	PD	2.9	0	8.2	-1	1.0	-1	0.360	0	2.956	0	8.221	-1	1882	41	1.7
14570.1	10000	38.8119	95.0593	-649	PD	2.8	-1	8.7	-1	1.0	-1	0.329	0	2.857	0	8.679	0	1916	45	1.7
14570.2	10000	38.8119	95.0585	-649	PD	2.9	-1	9.3	0	1.0	-1	0.314	0	2.880	0	9.182	0	1926	38	1.7
14570.3	10000	38.8119	95.0577	-649	PD	2.8	-1	9.3	0	1.0	-1	0.305	-1	2.949	0	9.658	0	1908	49	1.7
14570.4	10000	38.8119	95.0569	-649	PD	2.8	-1	9.3	0	0.9	-1	0.301	-1	3.062	0	10.167	1	1877	41	1.7
14570.5	10000	38.8119	95.0561	-649	PD	2.6	-1	9.3	0	0.8	-1	0.279	-1	3.074	0	11.021	1	1835	50	1.7
14570.6	10000	38.8119	95.0553	-649	PD	2.7	-1	9.0	-1	0.8	-2	0.297	-1	3.423	1	11.538	2	1795	34	1.7
14570.7	10000	38.8119	95.0545	-649	PD	2.7	-1	9.0	-1	0.7	-2	0.303	-1	3.680	1	12.145	2	1768	43	1.7
14570.8	10000	38.8119	95.0537	-650	PD	2.8	-1	8.8	-1	0.7	-2	0.331	-1	3.896	2	11.759	2	1746	40	1.7
14570.9	10000	38.8119	95.0529	-650	PD	3.0	-1	8.8	-1	0.7	-2	0.366	-1	4.463	2	12.204	2	1743	48	1.7
14571.0	10000	38.8119	95.0521	-649	PD	3.2	-1	8.8	-1	0.7	-2	0.390	-1	4.703	3	12.054	2	1741	49	1.7
14571.1	10000	38.8119	95.0513	-649	PD	3.4	-1	8.8	-1	0.7	-2	0.410	-1	4.531	3	11.044	2	1748	41	1.7
14571.2	10000	38.8119	95.0505	-651	PD	3.4	-1	8.8	-1	0.7	-2	0.416	-1	4.343	3	10.429	1	1758	48	1.7
14571.3	10000	38.8119	95.0497	-653	PD	3.3	-1	8.8	-1	0.7	-2	0.390	-1	3.957	2	10.138	1	1772	56	1.7
14571.4	10000	38.8119	95.0490	-654	PD	3.2	-1	8.8	-1	0.7	-2	0.375	-1	3.740	2	9.975	1	1779	48	1.7
14571.5	10000	38.8119	95.0482	-655	PD	3.0	-1	8.8	-1	0.7	-2	0.345	-1	3.234	1	9.378	0	1794	37	1.7
14571.6	10000	38.8119	95.0474	-656	PD	2.8	-1	8.8	-1	0.7	-2	0.344	-1	3.015	1	8.774	0	1784	54	1.7
14571.7	10000	38.8119	95.0466	-657	PD	2.8	-1	8.8	-1	0.7	-2	0.323	-1	2.910	1	9.006	0	1789	49	1.7
14571.8	10000	38.8119	95.0458	-659	PD	2.8	-1	8.8	-1	0.7	-2	0.342	-1	3.349	1	9.781	0	1777	38	1.8
14571.9	10000	38.8119	95.0450	-660	PD	2.7	-1	8.8	-1	0.7	-2	0.329	-1	3.300	1	10.017	1	1763	50	1.8
14572.0	10000	38.8119	95.0442	-662	PD	2.7	-1	8.8	-1	0.7	-2	0.310	-1	3.173	1	10.246	1	1739	53	1.8
14572.1	10000	38.8119	95.0434	-663	PD	2.6	-1	8.8	-1	0.7	-2	0.307	-1	3.131	1	10.214	1	1744	40	1.8
14572.2	10000	38.8119	95.0426	-665	PD	2.6	-1	8.8	-1	0.7	-2	0.338	-1	3.581	1	10.580	1	1732	45	1.8
14572.3	10000	38.8119	95.0418	-666	PD	2.7	-1	8.8	-1	0.7	-2	0.317	-1	3.519	1	11.107	2	1746	42	1.8
14572.4	10000	38.8119	95.0410	-667	PD	2.7	-1	8.8	-1	0.7	-2	0.296	-1	3.403	1	11.490	2	1761	47	1.8
14572.5	10000	38.8119	95.0402	-668	PD	2.6	-1	8.8	-1	0.7	-2	0.289	-1	3.335	1	10.832	1	1774	37	1.8
14572.6	10000	38.8119	95.0394	-670	PD	2.8	-1	8.8	-1	0.7	-2	0.307	-1	3.178	1	10.366	1	1814	52	1.8
14572.7	10000	38.8119	95.0386	-672	PD	2.8	-1	8.8	-1	0.7	-2	0.340	-1	3.499	1	10.296	1	1852	44	1.8
14572.8	10000	38.8119	95.0378	-673	PD	2.8	-1	8.8	-1	0.7	-2	0.344	-1	3.709	1	10.770	1	1864	45	1.8
14572.9	10000	38.8118	95.0370	-673	PD	2.8	-1	8.8	-1	0.7	-2	0.319	-1	3.429	1	10.748	1	1890	41	1.8
14573.0	10000	38.8118	95.0362	-674	PD	3.1	-1	9.2	-1	0.9	-1	0.341	-1	3.561	1	10.439	1	1908	44	1.8

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EU AIR PPM
14573.1	10000	38.8118	95.0354	-675	PD	3.1	0	8.7	-1	0.9	-1	0.357	0	3.531	1	9.903	1	1909	48	1.8
14573.2	10000	38.8118	95.0347	-676	PD	3.0	0	8.9	-1	0.9	-1	0.337	0	3.402	1	10.109	1	1922	48	1.8
14573.3	10000	38.8118	95.0339	-676	PD	3.0	0	9.1	0	0.9	-1	0.330	0	3.541	1	10.726	1	1905	38	1.8
14573.4	10000	38.8118	95.0331	-676	PD	2.9	-1	9.3	0	0.9	-1	0.314	0	3.398	1	10.821	1	1880	47	1.8
14573.5	10000	38.8118	95.0323	-677	PD	2.8	-1	8.8	-1	0.9	-1	0.325	0	3.282	1	10.113	1	1884	51	1.8
14573.6	10000	38.8118	95.0315	-679	PD	2.9	-1	9.1	0	0.8	-1	0.312	0	3.357	1	10.746	1	1871	50	1.8
14573.7	10000	38.8118	95.0307	-680	PD	2.7	-1	9.1	0	0.9	-1	0.300	-1	3.177	0	10.578	1	1848	55	1.8
14573.8	10000	38.8118	95.0299	-681	PD	2.8	-1	9.3	0	0.9	-1	0.299	-1	3.142	0	10.507	1	1835	53	1.8
14573.9	10000	38.8118	95.0291	-682	PD	2.8	-1	8.8	-1	0.9	-1	0.314	0	3.040	0	9.671	1	1826	39	1.8
14574.0	10000	38.8118	95.0283	-683	PD	2.7	-1	8.3	-1	0.9	-1	0.331	0	3.085	0	9.325	0	1832	50	1.8
14574.1	10000	38.8118	95.0275	-683	PD	2.8	-1	8.2	-1	0.9	-1	0.346	0	3.163	0	9.151	0	1852	56	1.9
14574.2	10000	38.8118	95.0267	-684	PD	3.1	0	8.2	-1	0.9	-1	0.375	1	3.289	1	8.762	0	1866	63	1.9
14574.3	10000	38.8118	95.0259	-685	PD	3.1	0	8.0	-1	1.0	-1	0.391	1	3.293	1	8.422	0	1884	54	1.9
14574.4	10000	38.8118	95.0251	-685	PD	3.3	0	8.3	-1	1.0	-1	0.401	1	3.435	1	8.557	0	1917	50	1.9
14574.5	10000	38.8118	95.0243	-686	PD	3.3	0	8.5	-1	1.0	-1	0.390	1	3.408	1	8.738	0	1956	37	1.9
14574.6	10000	38.8118	95.0235	-686	PD	3.3	0	9.4	0	1.0	-1	0.349	0	3.374	1	9.668	1	1994	33	1.9
14574.7	10000	38.8118	95.0228	-686	PD	3.2	0	9.7	0	1.0	-1	0.333	0	3.263	1	9.805	1	2008	45	1.9
14574.8	10000	38.8118	95.0220	-687	PD	3.2	0	9.8	0	1.0	0	0.331	0	3.134	0	9.473	0	2030	40	1.9
14574.9	10000	38.8118	95.0212	-687	PD	3.2	0	10.0	0	1.0	0	0.322	0	3.115	0	9.661	0	2027	43	1.9
14575.0	10000	38.8118	95.0204	-687	PD	3.2	0	9.6	0	1.0	-1	0.334	0	3.205	0	9.589	0	2002	50	1.9
14575.1	10000	38.8118	95.0196	-687	PD	2.9	-1	9.5	0	1.0	-1	0.307	0	2.951	0	9.604	0	1980	54	1.9
14575.2	10000	38.8118	95.0188	-687	PD	3.0	0	9.1	0	1.0	-1	0.325	0	3.095	0	9.510	0	1947	59	1.9
14575.3	10000	38.8118	95.0180	-687	PD	3.0	0	8.3	-1	0.9	-1	0.358	0	3.229	0	9.013	0	1907	49	1.9
14575.4	10000	38.8118	95.0172	-687	PD	3.1	0	8.2	-1	0.9	-1	0.380	1	3.352	1	8.830	0	1890	52	1.9
14575.5	10000	38.8117	95.0164	-688	PD	3.1	0	8.2	-1	0.9	-1	0.383	1	3.618	1	9.443	0	1865	47	1.9
14575.6	10000	38.8117	95.0156	-689	PD	3.0	0	8.2	-1	0.9	-1	0.368	1	3.506	1	9.516	0	1851	44	1.9
14575.7	10000	38.8117	95.0148	-690	PD	3.0	0	8.2	-1	0.9	-1	0.361	1	3.349	1	9.280	0	1876	38	1.9
14575.8	10000	38.8117	95.0140	-689	PD	3.0	0	8.2	-1	0.9	-1	0.380	1	3.432	1	9.032	0	1889	40	1.9
14575.9	10000	38.8117	95.0132	-690	PD	3.1	0	8.2	-1	0.9	-1	0.358	1	3.221	1	9.002	0	1898	44	1.9
14576.0	10000	38.8117	95.0125	-690	PD	3.1	0	8.2	-1	0.9	-1	0.357	1	3.271	1	9.170	0	1907	32	1.9
14576.1	10000	38.8117	95.0117	-691	PD	3.0	0	8.2	-1	0.9	-1	0.325	1	2.907	1	8.940	0	1918	42	1.9
14576.2	10000	38.8116	95.0109	-691	PD	2.9	-1	8.2	-1	0.9	-1	0.313	1	2.843	1	9.074	0	1928	44	1.9
14576.3	10000	38.8116	95.0101	-692	PD	2.8	-1	8.2	-1	0.9	-1	0.299	1	2.711	1	9.069	0	1943	43	1.9
14576.4	10000	38.8116	95.0093	-692	PD	2.7	-1	8.2	-1	0.9	-1	0.294	1	2.673	1	9.096	0	1968	34	1.9
14576.5	10000	38.8116	95.0085	-691	PD	2.8	-1	8.2	-1	0.9	-1	0.282	1	2.597	1	9.224	0	1997	40	1.9
14576.6	10000	38.8116	95.0077	-692	PD	2.8	-1	8.2	-1	0.9	-1	0.300	1	2.725	1	9.089	0	2035	23	1.9
14576.7	10000	38.8116	95.0069	-693	PD	2.9	-1	8.2	-1	0.9	-1	0.290	1	2.592	1	9.031	0	2077	38	1.9
14576.8	10000	38.8116	95.0061	-693	PD	2.9	-1	8.2	-1	0.9	-1	0.300	1	2.697	1	8.999	0	2111	35	1.9
14576.9	10000	38.8116	95.0053	-693	PD	3.0	0	8.2	-1	0.9	-1	0.331	1	2.957	1	8.938	0	2138	36	1.9
14577.0	10000	38.8115	95.0045	-692	PD	3.0	0	8.2	-1	0.9	-1	0.325	1	2.968	1	9.127	0	2161	53	1.9
14577.1	10000	38.8115	95.0037	-692	PD	3.0	0	8.2	-1	0.9	-1	0.360	1	3.073	1	8.544	0	2161	59	1.9
14577.2	10000	38.8115	95.0030	-692	PD	3.1	0	8.2	-1	0.9	-1	0.391	1	3.270	1	8.329	0	2165	54	1.9
14577.3	10000	38.8115	95.0022	-692	PD	3.1	0	8.2	-1	0.9	-1	0.410	1	3.326	1	8.119	0	2172	38	1.9
14577.4	10000	38.8115	95.0014	-692	PD	3.1	0	8.2	-1	0.9	-1	0.419	1	3.351	1	8.093	0	2175	35	1.9
14577.5	10000	38.8115	95.0006	-692	PD	3.1	0	8.2	-1	0.9	-1	0.419	1	3.314	1	7.903	0	2177	36	1.9
14577.6	10000	38.8114	94.9998	-693	PD	3.1	0	8.2	-1	0.9	-1	0.376	1	3.089	1	7.716	0	2166	53	1.9
14577.7	10000	38.8114	94.9990	-692	PD	3.1	0	8.2	-1	0.9	-1	0.396	1	3.255	1	7.464	0	2166	45	1.9
14577.8	10000	38.8114	94.9982	-692	PD	3.1	0	8.2	-1	0.9	-1	0.370	1	3.032	1	7.920	0	2164	48	1.9
14577.9	10000	38.8114	94.9975	-693	PD	3.1	0	8.2	-1	0.9	-1	0.377	1	3.095	1	7.710	0	2147	46	1.9
14578.0	10000	38.8114	94.9967	-692	PD	3.1	0	8.2	-1	0.9	-1	0.369	1	3.027	1	7.662	0	2139	37	1.9
14578.1	10000	38.8114	94.9959	-692	PD	3.1	0	8.2	-1	0.9	-1	0.378	1	3.107	1	7.538	0	2126	58	1.9
14578.2	10000	38.8114	94.9951	-691	PD	3.1	0	8.2	-1	0.9	-1	0.378	1	3.107	1	7.688	0	2122	58	1.9

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14578.3	10000	38.8114	94.9943	-691	PD	3.6	1	9.2	0	1.1	0	0.389	1	3.098	0	7.971	-1	2120	56	2.1
14578.4	10000	38.8113	94.9935	-690	PD	3.6	1	9.2	0	1.1	0	0.390	1	3.171	0	8.136	-1	2086	45	2.1
14578.5	10000	38.8113	94.9927	-690	PD	3.7	1	8.8	-1	1.1	0	0.418	2	3.321	1	7.939	-1	2074	41	2.1
14578.6	10000	38.8113	94.9919	-689	PD	3.9	1	9.1	0	1.1	0	0.427	2	3.521	1	8.246	0	2070	48	2.1
14578.7	10000	38.8113	94.9911	-688	PD	3.8	1	9.2	0	1.1	0	0.420	2	3.584	1	8.536	0	2052	51	2.1
14578.8	10000	38.8113	94.9903	-688	PD	3.9	2	8.7	-1	1.1	0	0.455	2	3.701	1	8.142	-1	2039	49	2.1
14578.9	10000	38.8113	94.9895	-687	PD	3.9	2	8.4	-1	1.0	0	0.463	2	3.764	1	8.133	-1	2024	50	2.1
14579.0	10000	38.8113	94.9888	-686	PD	4.0	2	8.5	-1	1.0	0	0.468	2	3.813	1	8.143	-1	2014	54	2.1
14579.1	10000	38.8113	94.9880	-686	PD	4.1	2	8.5	-1	1.1	0	0.480	3	3.723	1	7.756	-1	2049	33	2.1
14579.2	10000	38.8112	94.9872	-686	PD	4.0	2	8.9	-1	1.1	0	0.442	2	3.532	1	7.983	-1	2055	59	2.1
14579.3	10000	38.8112	94.9864	-684	PD	3.6	1	8.9	-1	1.1	0	0.407	1	3.196	0	7.853	-1	2050	37	2.1
14579.4	10000	38.8112	94.9856	-682	PD	3.4	0	9.0	-1	1.1	0	0.377	1	3.061	0	8.127	-1	2071	44	2.1
14579.5	10000	38.8112	94.9848	-682	PD	3.3	0	9.6	0	1.1	0	0.346	0	3.069	0	8.874	0	2093	49	2.1
14579.6	10000	38.8112	94.9840	-682	PD	3.6	1	9.6	0	1.1	0	0.372	1	3.317	1	8.922	0	2114	47	2.1
14579.7	10000	38.8112	94.9832	-681	PD	3.6	1	9.5	0	1.1	0	0.374	1	3.228	0	8.622	0	2125	41	2.1
14579.8	10000	38.8112	94.9825	-680	PD	3.4	0	9.7	0	1.1	0	0.346	0	3.055	0	8.827	0	2126	45	2.1
14579.9	10000	38.8111	94.9817	-679	PD	3.4	0	9.7	0	1.1	0	0.354	0	3.135	0	8.855	0	2128	48	2.1
14580.0	10000	38.8111	94.9809	-677	PD	3.4	0	9.6	0	1.1	0	0.353	0	3.106	0	8.803	0	2127	41	2.1
14580.1	10000	38.8111	94.9801	-676	PD	3.6	1	9.2	0	1.1	0	0.391	1	3.278	1	8.375	0	2109	42	2.2
14580.2	10000	38.8111	94.9793	-675	PD	3.6	1	9.2	0	1.1	0	0.389	1	3.221	0	8.279	0	2107	57	2.2
14580.3	10000	38.8111	94.9785	-674	PD	3.3	0	9.4	0	1.1	0	0.358	0	3.028	0	8.465	0	2115	56	2.2
14580.4	10000	38.8111	94.9777	-673	PD	3.3	0	9.6	0	1.1	0	0.342	0	2.888	0	8.450	0	2121	45	2.2
14580.5	10000	38.8111	94.9769	-672	PD	3.5	1	9.5	0	1.1	0	0.369	1	3.211	0	8.707	0	2095	55	2.2
14580.6	10000	38.8110	94.9761	-671	PD	3.4	1	9.4	0	1.0	0	0.366	1	3.283	1	8.970	0	2077	49	2.2
14580.7	10000	38.8110	94.9753	-671	PD	3.5	1	9.3	0	1.0	-1	0.370	1	3.442	1	9.305	0	2063	59	2.2
14580.8	10000	38.8110	94.9745	-672	PD	3.6	1	9.6	0	1.0	-1	0.377	1	3.690	1	9.777	1	2057	50	2.2
14580.9	10000	38.8110	94.9738	-672	PD	3.6	1	9.8	0	1.0	0	0.403	1	3.799	1	9.416	0	2028	50	2.2
14581.0	10000	38.8110	94.9730	-672	PD	3.7	1	9.8	0	1.0	0	0.427	1	4.062	1	9.519	0	2001	50	2.2
14581.1	10000	38.8110	94.9722	-672	PD	3.6	1	9.8	0	1.0	0	0.424	1	4.155	1	9.792	0	1986	45	2.2
14581.2	10000	38.8110	94.9714	-674	PD	3.6	1	9.8	0	1.0	0	0.406	1	4.129	1	9.178	0	1996	42	2.2
14581.3	10000	38.8109	94.9706	-676	PD	3.8	1	9.8	0	1.0	0	0.431	1	4.314	1	10.002	0	1999	38	2.2
14581.4	10000	38.8109	94.9698	-677	PD	3.7	1	9.8	0	1.0	0	0.408	1	4.156	1	10.178	0	2007	40	2.2
14581.5	10000	38.8109	94.9690	-677	PD	3.7	1	9.8	0	1.0	0	0.379	1	3.650	1	10.640	0	2004	56	2.2
14581.6	10000	38.8109	94.9682	-678	PD	3.5	1	9.8	0	1.0	0	0.371	1	3.630	1	10.789	0	2004	47	2.2
14581.7	10000	38.8109	94.9674	-679	PD	3.4	1	9.7	0	1.0	0	0.355	1	3.382	1	10.516	0	2022	48	2.2
14581.8	10000	38.8109	94.9667	-679	PD	3.3	1	9.5	0	1.0	0	0.349	1	3.058	1	10.772	0	2028	52	2.2
14581.9	10000	38.8109	94.9659	-678	PD	3.2	1	9.5	0	1.0	0	0.343	1	2.846	1	10.285	0	2034	35	2.2
14582.0	10000	38.8108	94.9651	-678	PD	3.3	1	9.5	0	1.0	0	0.328	1	2.667	1	10.135	0	2043	47	2.2
14582.1	10000	38.8108	94.9643	-679	PD	3.3	1	9.5	0	1.0	0	0.343	1	2.801	1	10.161	0	2054	53	2.2
14582.2	10000	38.8108	94.9635	-681	PD	3.3	1	9.5	0	1.0	0	0.351	1	2.832	1	10.057	0	2070	53	2.2
14582.3	10000	38.8108	94.9627	-682	PD	3.3	1	9.5	0	1.0	0	0.341	1	2.666	1	9.817	0	2100	49	2.2
14582.4	10000	38.8108	94.9619	-683	PD	3.3	1	9.5	0	1.0	0	0.357	1	2.575	1	9.778	0	2092	55	2.2
14582.5	10000	38.8108	94.9611	-684	PD	3.3	1	9.5	0	1.0	0	0.358	1	2.896	1	10.103	0	2112	45	2.2
14582.6	10000	38.8108	94.9603	-685	PD	3.3	1	9.5	0	1.0	0	0.351	1	2.885	1	10.049	0	2122	54	2.2
14582.7	10000	38.8107	94.9595	-686	PD	3.3	1	9.5	0	1.0	0	0.331	1	2.700	1	10.151	0	2122	57	2.2
14582.8	10000	38.8107	94.9588	-687	PD	3.2	1	9.5	0	1.0	0	0.312	1	2.466	1	10.093	0	2122	44	2.2
14582.9	10000	38.8107	94.9580	-687	PD	3.2	1	9.5	0	1.0	0	0.284	1	2.317	1	10.163	0	2122	47	2.2
14583.0	10000	38.8107	94.9572	-686	PD	3.2	1	9.5	0	1.0	0	0.290	1	2.340	1	10.082	0	2122	51	2.2
14583.1	10000	38.8107	94.9564	-688	PD	3.2	1	9.5	0	1.0	0	0.329	1	2.551	1	10.075	0	2122	50	2.2
14583.2	10000	38.8107	94.9556	-694	PD	3.2	1	9.5	0	1.0	0	0.318	1	2.487	1	10.081	0	2122	48	2.2
14583.3	10000	38.8107	94.9548	-693	PD	3.2	1	9.5	0	1.0	0	0.325	1	2.547	1	10.145	0	2122	48	2.2
14583.4	10000	38.8106	94.9540	-692	PD	3.3	1	9.5	0	1.0	0	0.352	1	2.851	1	10.105	0	2122	48	2.2

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14583.5	10000	38.8106	94.9532	-691	PD	3.4	0	9.2	0	1.1	0	0.369	1	2.973	0	8.047	-1	2057	47	2.1
14583.6	10000	38.8106	94.9524	-689	PD	3.5	1	9.1	0	1.1	0	0.382	1	3.048	0	7.990	-1	2061	46	2.1
14583.7	10000	38.8106	94.9516	-690	PD	3.3	0	9.2	0	1.2	0	0.364	1	2.889	0	7.944	-1	2081	45	2.1
14583.8	10000	38.8106	94.9509	-691	PD	3.3	0	9.7	0	1.1	0	0.334	0	2.849	0	8.518	0	2096	50	2.1
14583.9	10000	38.8106	94.9501	-693	PD	3.1	0	9.9	0	1.2	0	0.316	0	2.656	-1	8.405	0	2097	47	2.1
14584.0	10000	38.8106	94.9493	-695	PD	2.9	-1	9.7	0	1.2	1	0.302	-1	2.369	-1	7.856	-1	2105	53	2.1
14584.1	10000	38.8105	94.9485	-697	PD	2.8	-1	9.7	0	1.2	1	0.287	-1	2.238	-1	7.796	-1	2106	48	2.1
14584.2	10000	38.8105	94.9477	-699	PD	2.8	-1	9.7	0	1.3	1	0.287	-1	2.224	-1	7.741	-1	2113	38	2.1
14584.3	10000	38.8105	94.9469	-700	PD	2.9	-1	9.7	0	1.3	1	0.299	-1	2.268	-1	7.597	-1	2118	52	2.1
14584.4	10000	38.8105	94.9461	-702	PD	3.0	0	9.4	0	1.2	1	0.322	0	2.507	-1	7.792	-1	2100	50	2.1
14584.5	10000	38.8105	94.9453	-704	PD	3.2	0	9.2	0	1.2	1	0.342	0	2.585	-1	7.567	-1	2097	50	2.1
14584.6	10000	38.8105	94.9445	-704	PD	3.2	0	8.8	-1	1.2	0	0.370	1	2.776	0	7.511	-1	2098	45	2.1
14584.7	10000	38.8104	94.9438	-703	PD	3.3	0	8.8	-1	1.2	0	0.379	1	2.838	0	7.490	-1	2115	56	2.1
14584.8	10000	38.8104	94.9430	-703	PD	3.2	0	8.9	-1	1.2	1	0.357	0	2.652	-1	7.425	-1	2122	44	2.1
14584.9	10000	38.8104	94.9422	-704	PD	3.2	0	8.4	-1	1.1	0	0.376	1	2.747	0	7.311	-1	2101	41	2.1
14585.0	10000	38.8104	94.9414	-705	PD	3.2	0	8.7	-1	1.1	0	0.365	1	2.868	0	7.854	-1	2092	44	2.1
14585.1	10000	38.8104	94.9406	-706	PD	3.3	0	8.9	-1	1.1	0	0.371	1	3.065	0	8.265	0	2103	45	2.1
14585.2	10000	38.8104	94.9398	-708	PD	2.8	-1	9.0	-1	1.1	0	0.316	0	2.586	-1	8.183	-1	2097	41	2.1
14585.3	10000	38.8104	94.9390	-709	PD	2.7	-1	9.0	-1	1.2	1	0.300	-1	2.247	-1	7.486	-1	2090	45	2.1
14585.4	10000	38.8104	94.9382	-709	PD	2.8	-1	9.0	0	1.2	1	0.314	0	2.358	-1	7.516	-1	2068	59	2.1
14585.5	10000	38.8103	94.9374	-711	PD	3.2	0	8.8	-1	1.1	0	0.369	1	2.854	0	7.728	-1	2050	48	2.1
14585.6	10000	38.8103	94.9366	-712	CULTRL	.4	999	8.7	999	1.1	999	0.389	999	3.035	999	7.800	999	2048	57	2.1
14585.7	10000	38.8103	94.9359	-713	CULTRL	.4	999	7.9	999	1.2	999	0.434	999	2.960	999	6.817	999	1998	42	2.1
14585.8	10000	38.8103	94.9351	-712	CULTRL	.1	999	7.5	999	1.2	999	0.419	999	2.643	999	6.302	999	1947	33	2.1
14585.9	10000	38.8103	94.9343	-710	CULTRL	.3	999	6.8	999	1.2	999	0.481	999	2.720	999	5.659	999	1909	48	2.1
14586.0	10000	38.8103	94.9335	-709	CULTRL	.4	999	6.7	999	1.1	999	0.515	999	3.143	999	6.098	999	1858	56	2.0
14586.1	10000	38.8103	94.9327	-710	CULTRL	.3	999	6.6	999	1.1	999	0.507	999	3.121	999	6.161	999	1819	46	2.0
14586.2	10000	38.8102	94.9319	-711	CULTRL	.2	999	6.3	999	1.1	999	0.507	999	2.991	999	5.895	999	1784	39	2.0
14586.3	10000	38.8102	94.9311	-712	CULTRL	.9	999	6.1	999	1.1	999	0.473	999	2.730	999	5.775	999	1748	34	2.0
14586.4	10000	38.8102	94.9303	-715	CULTRL	.9	999	6.1	999	1.0	999	0.482	999	2.948	999	6.123	999	1743	34	2.0
14586.5	10000	38.8102	94.9296	-717	CULTRL	3.0	999	6.0	999	1.0	999	0.505	999	3.091	999	6.126	999	1732	42	2.0
14586.6	10000	38.8102	94.9288	-718	CULTRL	3.2	999	6.3	999	0.9	999	0.501	999	3.503	999	6.995	999	1713	53	2.0
14586.7	10000	38.8102	94.9280	-718	CULTRL	3.0	999	6.1	999	0.9	999	0.485	999	3.230	999	6.663	999	1692	39	2.0
14586.8	10000	38.8102	94.9272	-718	CULTRL	3.2	999	6.1	999	0.9	999	0.519	999	3.676	999	7.077	999	1683	60	2.0
14586.9	10000	38.8102	94.9264	-719	CULTRL	3.1	999	5.9	999	0.9	999	0.525	999	3.627	999	6.906	999	1654	52	2.0
14587.0	10000	38.8101	94.9256	-721	CULTRL	3.2	999	5.5	999	0.9	999	0.577	999	3.607	999	6.247	999	1624	49	2.0
14587.1	10000	38.8101	94.9248	-723	CULTRL	3.0	999	5.2	999	0.9	999	0.574	999	3.228	999	5.622	999	1590	46	2.0
14587.2	10000	38.8101	94.9240	-719	CULTRL	3.2	999	5.1	999	0.9	999	0.641	999	3.664	999	5.713	999	1559	40	2.0
14587.3	10000	38.8101	94.9232	-710	CULTRL	3.3	999	4.4	999	0.9	999	0.753	999	3.885	999	5.162	999	1557	42	2.0
14587.4	10000	38.8101	94.9224	-696	CULTRL	3.4	999	4.2	999	0.8	999	0.798	999	4.102	999	5.142	999	1545	53	2.0
14587.5	10000	38.8101	94.9216	-682	CULTRL	3.1	999	4.2	999	0.9	999	0.749	999	3.635	999	4.856	999	1539	55	2.0
14587.6	10000	38.8100	94.9209	-684	CULTRL	3.1	999	4.7	999	0.9	999	0.652	999	3.478	999	5.335	999	1561	60	2.0
14587.7	10000	38.8100	94.9201	-706	CULTRL	3.0	999	5.0	999	0.8	999	0.588	999	3.528	999	5.999	999	1579	39	2.0
14587.8	10000	38.8100	94.9193	-709	CULTRL	3.1	999	5.5	999	0.8	999	0.566	999	3.936	999	6.956	999	1602	43	2.0
14587.9	10000	38.8100	94.9185	-712	CULTRL	3.0	999	5.8	999	0.8	999	0.513	999	3.538	999	6.893	999	1631	51	2.0
14588.0	10000	38.8100	94.9177	-715	CULTRL	2.9	999	6.4	999	0.9	999	0.449	999	3.325	999	7.404	999	1638	41	2.0
14588.1	10000	38.8100	94.9169	-714	CULTRL	3.0	999	6.7	999	0.9	999	0.448	999	3.487	999	7.781	999	1670	40	2.0
14588.2	10000	38.8100	94.9161	-712	CULTRL	3.1	999	6.8	999	0.9	999	0.459	999	3.481	999	7.584	999	1701	32	2.0
14588.3	10000	38.8099	94.9153	-709	CULTRL	3.2	999	6.7	999	0.9	999	0.471	999	3.500	999	7.438	999	1726	28	2.0
14588.4	10000	38.8099	94.9145	-707	CULTRL	3.3	999	6.9	999	0.9	999	0.476	999	3.502	999	7.350	999	1760	46	2.0
14588.5	10000	38.8099	94.9138	-707	CULTRL	3.3	999	7.2	999	1.0	999	0.466	999	3.294	999	7.074	999	1820	49	2.0
14588.6	10000	38.8099	94.9130	-707	CULTRL	3.1	999	7.6	999	1.0	999	0.409	999	3.058	999	7.478	999	1867	45	2.0

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14588.7	10000	38.8099	94.9122	-706	PD	3.1	0	8.0	-1	1.0	0	0.392	1	3.021	0	7.714	-1	1904	52	2.0
14588.8	10000	38.8099	94.9114	-709	PD	3.0	0	8.4	-1	1.1	0	0.361	1	2.789	0	7.723	-1	1950	46	2.0
14588.9	10000	38.8099	94.9106	-711	PD	3.2	0	8.7	-1	1.1	0	0.363	1	2.836	0	7.814	-1	1979	57	2.0
14589.0	10000	38.8098	94.9098	-709	PD	3.2	0	8.6	-1	1.1	0	0.365	1	2.950	0	8.080	-1	1985	47	2.0
14589.1	10000	38.8098	94.9090	-707	PD	3.2	0	8.7	-1	1.1	0	0.365	1	2.956	0	8.090	-1	1998	43	2.0
14589.2	10000	38.8098	94.9082	-706	PD	3.3	0	8.5	-1	1.1	0	0.387	1	3.028	0	7.820	-1	1992	46	1.9
14589.3	10000	38.8098	94.9074	-704	PD	3.4	0	8.1	-1	1.1	0	0.417	2	2.956	0	7.092	-1	1987	51	1.9
14589.4	10000	38.8098	94.9066	-704	PD	3.3	0	7.6	-2	1.2	1	0.428	2	2.732	0	6.376	-2	1990	49	1.9
14589.5	10000	38.8098	94.9059	-703	PD	3.3	0	7.4	-2	1.2	1	0.453	2	2.715	0	5.989	-2	1981	39	1.9
14589.6	10000	38.8097	94.9051	-701	PD	3.3	0	7.1	-2	1.2	0	0.466	2	2.816	0	6.043	-2	1979	38	1.9
14589.7	10000	38.8097	94.9043	-700	PD	3.6	1	7.1	-2	1.2	1	0.508	3	3.039	0	5.982	-2	1991	47	1.9
14589.8	10000	38.8097	94.9035	-700	PD	3.6	1	7.4	-2	1.2	1	0.495	3	3.030	0	6.123	-2	1995	37	1.9
14589.9	10000	38.8097	94.9027	-699	PD	3.6	1	8.0	-1	1.1	0	0.456	2	3.201	0	7.021	-1	1989	35	1.9
14590.0	10000	38.8097	94.9019	-696	PD	3.6	1	8.0	-1	1.1	0	0.449	2	3.250	0	7.233	-1	1986	37	1.9
14590.1	10000	38.8097	94.9011	-693	PD	3.7	1	8.5	-1	1.1	0	0.438	2	3.448	1	7.867	-1	1992	41	1.9
14590.2	10000	38.8097	94.9003	-692	PD	3.8	1	8.7	-1	1.1	0	0.435	2	3.525	1	8.097	-1	2008	39	1.9
14590.3	10000	38.8096	94.8995	-693	PD	3.7	1	8.5	-1	1.1	0	0.438	2	3.365	1	7.674	-1	2012	53	1.9
14590.4	10000	38.8096	94.8987	-694	PD	3.5	1	8.8	-1	1.2	0	0.405	1	3.049	0	7.536	-1	2015	52	1.9
14590.5	10000	38.8096	94.8980	-694	PD	3.7	1	8.8	-1	1.2	0	0.419	2	3.129	0	7.473	-1	2026	54	1.9
14590.6	10000	38.8096	94.8972	-694	PD	3.3	0	8.5	-1	1.2	1	0.389	1	2.743	0	7.049	-1	2039	45	1.9
14590.7	10000	38.8096	94.8964	-693	PD	3.4	0	8.5	-1	1.2	1	0.394	1	2.795	0	7.100	-1	2050	44	1.9
14590.8	10000	38.8096	94.8956	-691	PD	3.3	0	8.5	-1	1.2	1	0.384	1	2.697	0	7.018	-1	2053	35	1.9
14590.9	10000	38.8096	94.8948	-689	PD	3.0	0	8.4	-1	1.2	1	0.362	1	2.520	-1	6.951	-1	2044	44	1.9
14591.0	10000	38.8096	94.8940	-687	PD	3.0	0	9.3	0	1.2	1	0.324	0	2.497	-1	7.702	-1	2057	31	1.9
14591.1	10000	38.8095	94.8932	-685	PD	2.9	0	9.2	0	1.2	1	0.321	0	2.449	-1	7.639	-1	2070	50	1.9
14591.2	10000	38.8095	94.8924	-683	PLP	2.7	-1	9.3	0	1.2	1	0.293	-1	2.192	-1	7.477	-1	2087	52	1.9
14591.3	10000	38.8095	94.8916	-681	PLP	2.9	0	9.2	0	1.2	1	0.316	0	2.276	-1	7.203	-1	2097	53	1.9
14591.4	10000	38.8095	94.8909	-678	PLP	2.8	0	9.3	0	1.2	1	0.291	0	2.182	-1	7.488	-1	2101	49	1.9
14591.5	10000	38.8095	94.8901	-677	PLP	2.8	0	9.3	0	1.2	1	0.294	0	2.209	-1	7.507	-1	2098	53	1.9
14591.6	10000	38.8095	94.8893	-676	PLP	3.0	0	9.3	0	1.2	1	0.315	0	2.401	-1	7.634	-1	2099	55	1.9
14591.7	10000	38.8094	94.8885	-674	PLP	3.2	0	9.4	0	1.2	1	0.362	0	2.574	-1	7.113	-1	2085	50	2.0
14591.8	10000	38.8094	94.8877	-673	PLP	3.3	0	9.6	0	1.2	1	0.364	0	2.694	-1	7.411	-1	2066	46	2.0
14591.9	10000	38.8094	94.8869	-672	PD	3.3	0	9.8	0	1.2	1	0.366	0	2.795	-1	7.646	-1	2043	47	2.0
14592.0	10000	38.8094	94.8861	-670	PD	3.5	0	9.8	0	1.2	1	0.346	0	2.957	-1	8.553	0	2010	54	2.0
14592.1	10000	38.8094	94.8853	-669	PD	3.3	0	9.6	0	1.2	1	0.357	0	2.851	-1	7.989	-1	1975	48	2.0
14592.2	10000	38.8094	94.8845	-664	PD	3.3	0	9.8	0	1.2	1	0.337	0	2.710	-1	8.049	-1	1961	43	2.0
14592.3	10000	38.8094	94.8837	-658	PD	3.0	0	9.8	0	1.2	1	0.304	0	2.502	-1	8.239	0	1956	53	2.0
14592.4	10000	38.8094	94.8829	-657	PD	2.8	0	9.8	0	1.2	1	0.273	0	2.378	-1	8.727	0	1951	55	2.0
14592.5	10000	38.8094	94.8820	-661	PD	2.8	0	9.8	0	1.2	1	0.270	0	2.226	-1	8.236	-1	1980	37	2.0
14592.6	10000	38.8094	94.8812	-662	PD	2.9	0	9.8	0	1.2	1	0.293	0	2.444	-1	8.354	0	2017	37	2.0
14592.7	10000	38.8094	94.8804	-662	PD	3.0	0	9.8	0	1.2	1	0.300	0	2.332	-1	7.782	-1	2062	44	2.0
14592.8	10000	38.8094	94.8795	-661	PD	3.0	0	9.8	0	1.2	1	0.307	0	2.452	-1	7.988	-1	2122	43	2.0
14592.9	10000	38.8094	94.8787	-660	PD	3.0	0	9.8	0	1.2	1	0.312	0	2.391	-1	7.655	-1	2164	62	2.0
14593.0	10000	38.8094	94.8778	-659	PD	3.0	0	9.8	0	1.2	1	0.332	0	2.539	-1	7.641	-1	2174	57	2.0
14593.1	10000	38.8094	94.8770	-658	PD	3.0	0	9.8	0	1.2	1	0.368	0	2.696	-1	7.322	-1	2208	43	2.0
14593.2	10000	38.8094	94.8762	-656	PD	3.0	0	9.8	0	1.2	1	0.357	0	2.738	-1	7.680	-1	2229	55	2.0
14593.3	10000	38.8094	94.8753	-654	PD	3.0	0	9.8	0	1.2	1	0.340	0	2.564	-1	7.549	-1	2229	28	2.0
14593.4	10000	38.8094	94.8745	-652	PD	3.0	0	9.8	0	1.2	1	0.362	0	2.659	-1	7.355	-1	2224	36	2.0
14593.5	10000	38.8094	94.8737	-650	PD	3.0	0	9.8	0	1.2	1	0.322	0	2.529	-1	7.383	-1	2193	51	2.0
14593.6	10000	38.8094	94.8728	-647	PLP	3.0	0	9.8	0	1.2	1	0.325	0	2.489	-1	7.719	-1	2178	35	2.0
14593.7	10000	38.8095	94.8720	-644	PLP	3.0	0	9.8	0	1.2	1	0.301	-1	2.277	-1	7.565	-1	2184	48	2.0
14593.8	10000	38.8095	94.8711	-643	PLP	2.6	-1	10.1	0	1.3	1	0.258	-1	2.022	-1	7.825	-1	2164	49	2.0

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14593.9	10000	38.8095	94.8703	-641	PLP	2.6	-1	10.3	1	1.3	1	0.257	-1	2.010	-1	7.822	-1	2129	47	2.0
14594.0	10000	38.8095	94.8695	-639	PLP	2.8	-1	10.1	0	1.3	1	0.276	-1	2.183	-1	7.907	0	2116	46	2.0
14594.1	10000	38.8095	94.8686	-637	PLP	2.6	-1	9.9	0	1.3	1	0.265	-1	2.061	-1	7.774	-1	2100	35	2.0
14594.2	10000	38.8095	94.8678	-634	PLP	2.7	-1	9.9	0	1.3	1	0.269	-1	2.124	-1	7.884	0	2103	44	2.0
14594.3	10000	38.8095	94.8670	-632	PLP	2.7	-1	9.5	0	1.3	1	0.285	-1	2.131	-1	7.472	-1	2099	46	2.0
14594.4	10000	38.8095	94.8661	-629	PLP	2.8	-1	9.8	0	1.3	1	0.283	-1	2.201	-1	7.784	-1	2088	51	2.0
14594.5	10000	38.8095	94.8653	-627	PLP	2.9	-1	9.4	0	1.2	1	0.311	0	2.364	-1	7.613	-1	2085	53	2.0
14594.6	10000	38.8095	94.8644	-624	PD	3.1	0	9.0	-1	1.2	1	0.343	0	2.515	-1	7.327	-1	2090	44	2.0
14594.7	10000	38.8095	94.8636	-621	PD	3.1	0	9.1	0	1.2	1	0.347	0	2.560	-1	7.385	-1	2101	48	2.0
14594.8	10000	38.8095	94.8628	-620	PD	3.3	0	9.5	0	1.2	1	0.351	0	2.690	0	7.675	-1	2116	53	2.0
14594.9	10000	38.8095	94.8619	-619	PD	3.6	1	9.3	0	1.2	1	0.381	1	2.897	0	7.610	-1	2131	42	2.0
14595.0	10000	38.8095	94.8611	-617	PD	3.7	1	9.5	0	1.2	1	0.387	1	3.075	0	7.940	-1	2138	51	2.0
14595.1	10000	38.8095	94.8603	-616	PD	3.9	1	9.5	0	1.2	1	0.411	1	3.164	0	7.696	-1	2158	45	2.0
14595.2	10000	38.8095	94.8594	-614	PD	3.7	1	9.7	0	1.2	1	0.375	1	2.957	0	7.882	-1	2171	43	2.0
14595.3	10000	38.8095	94.8586	-612	PD	3.7	1	10.0	1	1.2	1	0.366	1	3.084	0	8.425	0	2166	44	2.0
14595.4	10000	38.8095	94.8577	-611	PD	3.4	0	10.2	1	1.2	1	0.332	0	2.866	0	8.644	0	2142	52	2.0
14595.5	10000	38.8096	94.8569	-609	PD	3.2	0	10.2	1	1.2	1	0.309	0	2.653	-1	8.575	0	2132	33	2.0
14595.6	10000	38.8096	94.8561	-606	PD	2.9	-1	10.2	1	1.3	1	0.283	-1	2.309	-1	8.145	-1	2112	57	2.0
14595.7	10000	38.8096	94.8552	-604	PD	2.8	-1	9.8	0	1.3	1	0.285	-1	2.219	-1	7.793	-1	2092	53	2.0
14595.8	10000	38.8096	94.8544	-604	PD	2.7	-1	9.4	0	1.3	1	0.285	-1	2.145	-1	7.514	-1	2068	49	2.0
14595.9	10000	38.8096	94.8536	-603	PD	2.9	-1	9.5	0	1.3	1	0.306	0	2.302	-1	7.523	-1	2045	45	2.0
14596.0	10000	38.8096	94.8527	-602	PD	2.7	-1	9.3	0	1.3	1	0.289	-1	2.082	-1	7.214	-1	2034	46	2.0
14596.1	10000	38.8096	94.8519	-600	PD	2.8	-1	8.9	-1	1.3	1	0.315	0	2.129	-1	6.757	-2	2019	44	1.9
14596.2	10000	38.8096	94.8510	-599	PD	3.0	0	8.7	-1	1.3	1	0.346	0	2.321	-1	6.707	-2	2013	43	1.9
14596.3	10000	38.8096	94.8502	-598	PD	3.0	0	9.2	0	1.2	1	0.325	0	2.432	-1	7.494	-1	2005	34	1.9
14596.4	10000	38.8096	94.8494	-596	PD	3.0	0	9.1	0	1.2	1	0.332	0	2.476	-1	7.458	-1	2013	56	1.9
14596.5	10000	38.8096	94.8485	-594	PD	3.3	0	9.5	0	1.2	1	0.344	0	2.720	0	7.901	-1	2031	42	1.9
14596.6	10000	38.8096	94.8477	-593	PD	3.1	0	9.3	0	1.2	1	0.333	0	2.811	0	7.841	-1	2034	41	1.9
14596.7	10000	38.8096	94.8469	-592	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.933	0	7.946	-1	2050	47	1.9
14596.8	10000	38.8096	94.8460	-590	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.824	0	7.170	-1	2047	44	1.9
14596.9	10000	38.8096	94.8452	-588	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.932	0	7.083	-1	2058	51	1.9
14597.0	10000	38.8096	94.8443	-589	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.935	0	7.691	-1	2072	55	1.9
14597.1	10000	38.8096	94.8435	-589	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.089	0	7.899	-1	2096	48	1.9
14597.2	10000	38.8096	94.8427	-588	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.948	0	7.638	-1	2099	55	1.9
14597.3	10000	38.8097	94.8418	-587	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.612	0	7.266	-1	2110	46	1.9
14597.4	10000	38.8097	94.8410	-586	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.689	0	7.132	-1	2113	48	1.9
14597.5	10000	38.8097	94.8402	-586	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.444	0	7.177	-1	2108	58	1.9
14597.6	10000	38.8097	94.8395	-587	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.547	0	7.242	-1	2111	49	1.9
14597.7	10000	38.8097	94.8385	-587	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.681	0	7.282	-1	2100	46	1.9
14597.8	10000	38.8097	94.8376	-586	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.677	0	7.549	-1	2092	51	1.9
14597.9	10000	38.8097	94.8368	-585	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.926	0	7.648	-1	2082	53	1.9
14598.0	10000	38.8097	94.8360	-585	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.990	0	7.816	-1	2068	54	1.9
14598.1	10000	38.8097	94.8351	-584	PD	3.2	0	9.4	0	1.2	1	0.340	0	3.014	0	7.783	-1	2054	46	1.9
14598.2	10000	38.8097	94.8343	-583	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.882	0	7.688	-1	2062	56	1.9
14598.3	10000	38.8097	94.8335	-582	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.702	0	7.772	-1	2076	52	1.9
14598.4	10000	38.8097	94.8326	-581	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.733	0	7.492	-1	2071	53	1.9
14598.5	10000	38.8097	94.8318	-580	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.688	0	7.673	-1	2088	44	1.9
14598.6	10000	38.8097	94.8309	-579	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.702	0	7.415	-1	2086	40	1.9
14598.7	10000	38.8097	94.8301	-579	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.702	0	7.229	-1	2099	50	1.9
14598.8	10000	38.8097	94.8293	-577	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.702	0	7.245	-1	2079	51	1.9
14598.9	10000	38.8097	94.8284	-577	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.702	0	7.694	-1	2079	51	1.9
14599.0	10000	38.8097	94.8276	-577	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.702	0	7.694	-1	2079	51	1.9

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14599.1	10000	38.8097	94.8268	-577	PD	2.8	-1	9.8	0	1.3	1	0.282	-1	2.170	-1	7.694	-1	2076	49	1.8
14599.2	10000	38.8098	94.8259	-577	PD	2.9	-1	9.5	0	1.2	1	0.301	-1	2.303	-1	7.652	-1	2055	37	1.8
14599.3	10000	38.8098	94.8251	-577	PD	2.8	-1	9.2	0	1.2	1	0.302	-1	2.330	-1	7.721	-1	2047	53	1.8
14599.4	10000	38.8098	94.8242	-576	PD	2.9	-1	9.8	0	1.2	0	0.293	-1	2.475	-1	8.455	0	2059	44	1.8
14599.5	10000	38.8098	94.8234	-575	PD	2.9	-1	10.1	0	1.1	0	0.285	-1	2.608	-1	9.142	0	2059	56	1.8
14599.6	10000	38.8098	94.8226	-574	PD	3.1	0	10.0	0	1.1	0	0.305	0	2.749	0	8.999	0	2058	50	1.8
14599.7	10000	38.8098	94.8217	-573	PD	3.0	0	9.8	0	1.1	0	0.304	-1	2.649	-1	8.709	0	2073	41	1.8
14599.8	10000	38.8098	94.8209	-574	PD	3.1	0	9.6	0	1.1	0	0.325	0	2.747	0	8.452	0	2060	34	1.8
14599.9	10000	38.8098	94.8201	-573	PD	3.1	0	9.7	0	1.1	0	0.322	0	2.770	0	8.614	0	2058	51	1.8
14600.0	10000	38.8098	94.8192	-572	PD	3.2	0	9.1	0	1.1	0	0.346	0	2.771	0	8.018	-1	2023	54	1.8
14600.1	10000	38.8098	94.8184	-569	PD	3.2	0	8.1	-1	1.1	0	0.389	1	2.917	0	7.499	-1	1965	43	1.8
14600.2	10000	38.8098	94.8176	-568	PD	3.4	1	7.6	-2	1.1	0	0.448	2	3.199	0	7.133	-1	1947	59	1.8
14600.3	10000	38.8098	94.8167	-564	PD	3.3	0	7.7	-2	1.0	0	0.431	2	3.192	0	7.400	-1	1934	42	1.8
14600.4	10000	38.8098	94.8159	-558	PLP	3.6	1	7.5	-2	1.0	-1	0.482	3	3.482	1	7.228	-1	1925	62	1.8
14600.5	10000	38.8098	94.8150	-557	PLP	3.7	1	7.3	-2	1.0	-1	0.507	3	3.703	1	7.304	-1	1935	55	1.8
14600.6	10000	38.8098	94.8142	-561	PLP	3.8	1	7.4	-2	1.0	-1	0.512	3	3.868	2	7.561	-1	1945	40	1.8
14600.7	10000	38.8098	94.8134	-562	PLP	3.8	1	8.0	-2	1.0	-1	0.476	3	3.907	2	8.211	0	1992	45	1.7
14600.8	10000	38.8098	94.8125	-562	PLP	3.9	1	8.8	-1	1.0	-1	0.441	2	3.821	2	8.672	0	2029	38	1.7
14600.9	10000	38.8098	94.8117	-561	PLP	3.9	1	9.3	0	1.0	-1	0.418	1	3.754	1	8.979	0	2053	39	1.7
14601.0	10000	38.8098	94.8109	-559	PLP	3.9	1	9.3	0	1.1	-1	0.419	1	3.693	1	8.808	0	2072	45	1.7
14601.1	10000	38.8098	94.8100	-558	PLP	3.9	1	9.7	0	1.1	0	0.397	1	3.579	1	9.022	0	2078	47	1.7
14601.2	10000	38.8099	94.8092	-556	PLP	3.7	1	9.8	0	1.0	-1	0.380	1	3.567	1	9.383	1	2077	51	1.7
14601.3	10000	38.8099	94.8083	-555	PLP	3.5	1	9.8	0	1.1	0	0.360	0	3.180	1	8.842	0	2073	45	1.7
14601.4	10000	38.8099	94.8075	-554	PLP	3.6	1	9.9	0	1.1	0	0.360	0	3.239	1	8.998	0	2057	54	1.7
14601.5	10000	38.8099	94.8067	-553	PLP	3.5	1	9.8	0	1.1	0	0.360	0	3.211	1	8.909	0	2060	52	1.7
14601.6	10000	38.8099	94.8058	-552	PLP	3.5	1	9.6	0	1.1	0	0.368	1	3.104	0	8.444	0	2045	45	1.7
14601.7	10000	38.8099	94.8050	-551	PLP	3.5	1	9.7	0	1.2	0	0.364	1	3.039	0	8.340	0	2045	53	1.7
14601.8	10000	38.8099	94.8042	-551	PLP	3.3	0	9.7	0	1.1	0	0.345	0	2.999	0	8.695	0	2034	47	1.7
14601.9	10000	38.8099	94.8033	-550	PLP	3.4	0	10.1	0	1.1	0	0.335	0	3.005	0	8.966	0	2026	42	1.7
14602.0	10000	38.8099	94.8025	-548	PLP	3.6	1	10.9	0	1.1	0	0.356	0	3.285	0	9.239	0	2030	42	1.7
14602.1	10000	38.8099	94.8017	-547	PLP	3.7	1	9.7	0	1.1	0	0.375	0	3.441	0	9.177	0	2042	40	1.7
14602.2	10000	38.8099	94.8008	-546	PLP	3.9	1	9.7	0	1.1	0	0.397	0	3.474	0	9.757	0	2046	46	1.7
14602.3	10000	38.8099	94.8000	-546	PLP	3.7	1	9.6	0	1.1	0	0.384	0	3.390	0	8.835	0	2033	61	1.8
14602.4	10000	38.8099	94.7991	-545	PLP	3.6	1	9.4	0	1.1	0	0.373	0	3.247	0	8.596	0	2028	49	1.8
14602.5	10000	38.8099	94.7983	-543	PLP	3.6	1	9.4	0	1.1	0	0.386	0	3.200	0	8.283	0	2045	35	1.8
14602.6	10000	38.8099	94.7975	-541	PLP	3.8	1	9.5	0	1.2	0	0.406	0	3.192	0	8.866	0	2066	51	1.8
14602.7	10000	38.8099	94.7966	-540	PLP	3.9	1	9.4	0	1.2	0	0.413	0	3.358	0	8.133	0	2068	48	1.8
14602.8	10000	38.8099	94.7958	-540	PLP	3.9	1	9.4	0	1.2	0	0.414	0	3.292	0	8.959	0	2063	39	1.8
14602.9	10000	38.8099	94.7950	-539	PLP	3.9	1	9.4	0	1.2	0	0.386	0	3.162	0	8.199	0	2068	59	1.8
14603.0	10000	38.8099	94.7941	-538	PLP	4.0	1	9.5	0	1.2	0	0.425	0	3.462	0	8.150	0	2105	45	1.8
14603.1	10000	38.8100	94.7933	-536	PLP	4.2	1	9.4	0	1.2	0	0.451	0	3.625	0	8.035	0	2112	60	1.8
14603.2	10000	38.8100	94.7924	-535	PLP	4.4	1	9.5	0	1.2	0	0.489	0	3.840	0	8.845	0	2100	47	1.8
14603.3	10000	38.8100	94.7916	-533	PLP	4.4	1	9.5	0	1.2	0	0.506	0	3.823	0	8.554	0	2095	62	1.8
14603.4	10000	38.8100	94.7908	-531	PLP	4.4	1	9.5	0	1.2	0	0.489	0	3.845	0	8.039	0	2088	31	1.8
14603.5	10000	38.8100	94.7899	-530	PLP	4.4	1	9.5	0	1.2	0	0.462	0	3.697	0	8.800	0	2084	44	1.8
14603.6	10000	38.8100	94.7891	-527	PLP	4.4	1	9.5	0	1.2	0	0.446	0	3.602	0	8.685	0	2082	42	1.8
14603.7	10000	38.8100	94.7883	-524	PLP	4.4	1	9.5	0	1.2	0	0.438	0	3.602	0	8.937	0	2087	50	1.8
14603.8	10000	38.8100	94.7874	-520	PLP	4.4	1	9.5	0	1.2	0	0.433	0	3.602	0	8.975	0	2095	41	1.8
14603.9	10000	38.8100	94.7866	-519	PLP	4.4	1	9.5	0	1.2	0	0.430	0	3.602	0	8.228	0	2100	51	1.8
14604.0	10000	38.8100	94.7857	-520	PLP	4.4	1	9.5	0	1.2	0	0.427	0	3.602	0	8.501	0	2101	51	1.8
14604.1	10000	38.8100	94.7849	-519	PLP	4.4	1	9.5	0	1.2	0	0.424	0	3.602	0	8.789	0	2128	40	1.8
14604.2	10000	38.8100	94.7841	-518	PLP	4.4	1	9.5	0	1.2	0	0.421	0	3.602	0	8.780	0	2141	45	1.8

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14604.3	10000	38.8100	94.7832	-516	PLP	3.0	0	10.3	1	1.2	1	0.293	-1	2.423	-1	8.276	0	2135	47	1.9
14604.4	10000	38.8100	94.7824	-514	PLP	3.0	0	9.9	0	1.2	0	0.304	-1	2.478	-1	8.152	0	2117	43	1.9
14604.5	10000	38.8100	94.7816	-509	PLP	2.9	-1	9.6	0	1.2	0	0.302	-1	2.457	-1	8.125	0	2099	49	1.9
14604.6	10000	38.8100	94.7807	-506	PLP	2.9	-1	9.8	0	1.2	0	0.294	-1	2.439	-1	8.293	0	2102	38	1.9
14604.7	10000	38.8100	94.7799	-507	PLP	2.9	-1	9.6	0	1.2	0	0.298	-1	2.448	-1	8.220	0	2118	38	1.9
14604.8	10000	38.8100	94.7790	-507	PLP	3.0	0	9.4	0	1.2	0	0.319	0	2.544	0	7.961	0	2113	48	1.9
14604.9	10000	38.8100	94.7782	-505	PLP	2.9	-1	9.5	0	1.2	0	0.311	0	2.495	-1	8.025	0	2115	50	1.9
14605.0	10000	38.8100	94.7774	-503	PLP	2.9	-1	9.3	0	1.2	0	0.316	0	2.381	-1	7.527	-1	2119	56	1.9
14605.1	10000	38.8100	94.7765	-500	PLP	2.9	-1	9.0	-1	1.3	1	0.323	0	2.290	-1	7.093	-1	2134	40	1.9
14605.2	10000	38.8100	94.7757	-498	PLP	3.2	0	8.9	-1	1.3	1	0.365	1	2.409	-1	6.605	-1	2143	50	1.9
14605.3	10000	38.8101	94.7749	-495	PLP	3.1	0	8.7	-1	1.4	1	0.355	0	2.238	-1	6.312	-2	2146	46	1.9
14605.4	10000	38.8101	94.7740	-493	PLP	3.1	0	8.8	-1	1.4	2	0.350	0	2.177	-1	6.221	-2	2134	37	2.0
14605.5	10000	38.8101	94.7732	-490	PLP	3.0	0	9.0	-1	1.4	2	0.339	0	2.109	-1	6.227	-2	2132	47	2.0
14605.6	10000	38.8101	94.7723	-487	PLP	3.2	0	8.9	-1	1.4	1	0.360	0	2.351	-1	6.535	-1	2130	43	2.0
14605.7	10000	38.8101	94.7715	-484	PLP	3.3	0	8.7	-1	1.4	1	0.373	1	2.394	-1	6.414	-2	2129	36	2.0
14605.8	10000	38.8101	94.7707	-482	PLP	3.4	0	9.0	-1	1.5	1	0.372	1	2.546	0	6.845	-1	2116	47	2.0
14605.9	10000	38.8101	94.7698	-479	PLP	3.1	0	9.6	0	1.2	1	0.321	0	2.463	-1	7.678	-1	2113	49	2.0
14606.0	10000	38.8101	94.7690	-476	PLP	3.0	0	10.1	0	1.2	0	0.301	-1	2.575	0	8.569	0	2108	38	2.0
14606.1	10000	38.8101	94.7682	-473	PLP	3.4	0	10.0	0	1.2	0	0.335	0	2.913	0	8.688	0	2117	37	2.0
14606.2	10000	38.8101	94.7673	-468	PLP	3.6	1	10.1	0	1.1	-1	0.353	0	3.381	1	9.590	1	2121	40	2.0
14606.3	10000	38.8101	94.7665	-467	PLP	3.5	1	10.4	1	1.1	-1	0.341	0	3.341	1	9.805	1	2127	55	2.0
14606.4	10000	38.8101	94.7656	-466	PLP	3.4	1	10.7	1	1.0	-1	0.321	0	3.321	1	10.352	1	2145	40	2.1
14606.5	10000	38.8101	94.7648	-464	PLP	3.6	1	10.8	1	1.1	0	0.336	0	3.395	1	10.106	1	2160	48	2.1
14606.6	10000	38.8101	94.7640	-461	PLP	3.7	1	10.9	1	1.1	0	0.341	0	3.420	1	10.025	1	2166	42	2.1
14606.7	10000	38.8101	94.7631	-459	PLP	3.7	1	10.3	1	1.1	0	0.364	0	3.309	1	9.087	0	2176	52	2.1
14606.8	10000	38.8101	94.7623	-457	PLP	3.6	1	10.1	0	1.1	0	0.359	0	3.185	1	8.872	0	2176	55	2.1
14606.9	10000	38.8101	94.7615	-455	PLP	3.2	0	10.0	0	1.2	1	0.319	0	2.556	0	8.001	0	2182	50	2.1
14607.0	10000	38.8101	94.7607	-453	PLP	3.2	0	9.6	0	1.3	1	0.336	0	2.511	-1	7.467	-1	2194	39	2.1
14607.1	10000	38.8102	94.7599	-452	PLP	3.2	0	9.1	0	1.3	1	0.356	0	2.474	-1	6.954	-1	2181	55	2.1
14607.2	10000	38.8102	94.7591	-449	PLP	3.0	-1	9.6	1	1.2	0	0.329	0	2.348	-1	7.137	-1	2168	36	2.1
14607.3	10000	38.8102	94.7583	-447	PLP	3.1	0	9.9	1	1.2	0	0.344	0	2.508	-1	7.296	-1	2171	54	2.1
14607.4	10000	38.8102	94.7575	-443	PLP	3.2	0	9.9	1	1.2	0	0.348	0	2.613	-1	7.506	-1	2172	49	2.1
14607.5	10000	38.8102	94.7568	-441	PLP	3.1	0	9.8	1	1.2	0	0.338	0	2.479	-1	7.339	-1	2172	38	2.1
14607.6	10000	38.8102	94.7560	-438	PLP	3.2	0	9.7	1	1.2	0	0.371	0	2.692	-1	7.254	-1	2166	45	2.2
14607.7	10000	38.8102	94.7552	-434	PLP	3.2	0	9.4	1	1.2	0	0.362	0	2.673	-1	7.387	-1	2157	53	2.2
14607.8	10000	38.8102	94.7544	-432	PLP	3.2	0	9.2	1	1.2	0	0.344	0	2.684	-1	7.808	-1	2170	55	2.2
14607.9	10000	38.8102	94.7536	-430	PLP	3.2	0	9.1	1	1.2	0	0.347	0	2.720	-1	7.834	-1	2178	49	2.2
14608.0	10000	38.8102	94.7528	-427	PLP	3.2	0	9.2	1	1.2	0	0.343	0	2.562	-1	7.473	-1	2186	45	2.2
14608.1	10000	38.8102	94.7520	-424	PLP	3.2	0	9.1	1	1.2	0	0.360	0	2.641	-1	7.331	-1	2198	47	2.2
14608.2	10000	38.8102	94.7513	-420	PLP	3.2	0	9.3	1	1.2	0	0.339	0	2.565	-1	7.577	-1	2200	44	2.2
14608.3	10000	38.8102	94.7505	-420	PLP	3.1	0	9.7	1	1.2	0	0.318	0	2.478	-1	7.791	-1	2211	33	2.2
14608.4	10000	38.8102	94.7497	-418	PLP	3.0	0	9.9	1	1.2	0	0.291	0	2.318	-1	7.978	-1	2197	45	2.2
14608.5	10000	38.8103	94.7489	-416	PLP	3.0	0	9.6	1	1.2	0	0.317	0	2.445	-1	7.722	-1	2204	66	2.2
14608.6	10000	38.8103	94.7481	-415	PLP	2.9	0	9.6	1	1.2	0	0.310	0	2.330	-1	7.509	-1	2201	52	2.2
14608.7	10000	38.8103	94.7473	-413	PLP	2.8	0	9.5	1	1.2	0	0.297	0	2.266	-1	7.639	-1	2192	48	2.2
14608.8	10000	38.8103	94.7466	-412	PLP	2.8	0	9.5	1	1.2	0	0.287	0	2.260	-1	7.861	-1	2171	47	2.2
14608.9	10000	38.8103	94.7458	-411	PLP	2.8	0	9.5	1	1.2	0	0.295	0	2.299	-1	7.802	-1	2170	42	2.2
14609.0	10000	38.8103	94.7450	-412	PLP	2.9	0	9.5	1	1.2	0	0.315	0	2.484	-1	7.876	-1	2145	45	2.2
14609.1	10000	38.8103	94.7442	-413	PLP	2.9	0	9.5	1	1.2	0	0.348	0	2.685	-1	7.713	-1	2139	59	2.2
14609.2	10000	38.8103	94.7434	-411	PLP	3.0	0	9.5	1	1.2	0	0.345	0	2.615	-1	7.918	-1	2113	38	2.2
14609.3	10000	38.8103	94.7426	-410	PLP	3.1	0	9.6	1	1.2	0	0.330	0	2.927	-1	8.492	-1	2117	33	2.2
14609.4	10000	38.8103	94.7419	-409	PLP	3.5	0	9.0	1	1.1	0	0.390	0	3.223	-1	8.268	-1	2160	48	2.2

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14609.5	10000	38.8103	94.7411	-408	PLP	4.0	2	9.7	0	1.2	0	0.409	1	3.298	1	8.055	0	2236	41	2.2
14609.6	10000	38.8103	94.7403	-406	PLP	4.2	2	10.2	1	1.2	0	0.408	1	3.374	1	8.263	0	2299	41	2.2
14609.7	10000	38.8104	94.7395	-405	PLP	4.2	2	10.3	1	1.3	1	0.403	1	3.269	1	8.112	0	2350	52	2.2
14609.8	10000	38.8104	94.7387	-405	PLP	4.2	2	10.4	1	1.3	1	0.401	1	3.141	0	7.830	-1	2377	51	2.2
14609.9	10000	38.8104	94.7379	-403	PLP	4.0	2	10.7	1	1.4	1	0.378	1	2.957	0	7.821	-1	2389	41	2.2
14610.0	10000	38.8104	94.7372	-402	PLP	3.8	1	10.6	1	1.4	1	0.357	0	2.774	0	7.766	-1	2381	44	2.2
14610.1	10000	38.8104	94.7364	-401	PLP	3.5	1	10.5	1	1.3	1	0.339	0	2.640	0	7.794	-1	2321	48	2.2
14610.2	10000	38.8104	94.7356	-400	PLP	3.1	0	9.8	0	1.3	1	0.315	0	2.432	-1	7.725	-1	2237	52	2.2
14610.3	10000	38.8104	94.7348	-398	PLP	3.2	0	9.9	0	1.2	0	0.327	0	2.676	0	8.180	0	2164	54	2.2
14610.4	10000	38.8104	94.7340	-397	PLP	3.0	0	10.0	0	1.2	0	0.302	-1	2.584	0	8.542	0	2121	48	2.2
14610.5	10000	38.8104	94.7332	-396	PLP	2.8	-1	10.0	0	1.2	0	0.284	-1	2.436	-1	8.588	0	2102	55	2.2
14610.6	10000	38.8104	94.7325	-395	PLP	3.0	-1	9.8	0	1.1	0	0.303	-1	2.620	0	8.645	0	2087	53	2.2
14610.7	10000	38.8104	94.7317	-394	PLP	2.9	-1	9.7	0	1.1	0	0.295	-1	2.583	0	8.756	0	2083	53	2.1
14610.8	10000	38.8104	94.7309	-393	PLP	2.7	-1	9.8	0	1.1	0	0.279	-1	2.445	-1	8.761	0	2079	41	2.1
14610.9	10000	38.8104	94.7301	-394	PLP	2.7	-1	9.8	0	1.1	0	0.276	-1	2.378	-1	8.615	0	2093	51	2.1
14611.0	10000	38.8105	94.7293	-393	PLP	2.7	-1	9.6	0	1.2	0	0.284	-1	2.242	-1	7.889	0	2101	52	2.1
14611.1	10000	38.8105	94.7285	-392	PLP	2.8	-1	9.1	0	1.2	0	0.307	-1	2.424	-1	7.893	0	2074	42	2.1
14611.2	10000	38.8105	94.7277	-392	PLP	2.8	-1	9.3	0	1.2	0	0.304	-1	2.415	-1	7.951	0	2059	53	2.1
14611.3	10000	38.8105	94.7270	-391	PLP	2.7	-1	9.5	0	1.2	0	0.284	-1	2.268	-1	7.976	0	2067	55	2.1
14611.4	10000	38.8105	94.7262	-388	PLP	3.1	0	9.5	0	1.3	1	0.321	0	2.398	-1	7.475	-1	2076	55	2.1
14611.5	10000	38.8105	94.7254	-384	PLP	3.1	0	9.3	0	1.3	1	0.330	0	2.420	-1	7.328	-1	2080	44	2.1
14611.6	10000	38.8105	94.7246	-385	PLP	3.1	0	9.3	0	1.3	1	0.336	0	2.442	-1	7.261	-1	2078	52	2.1
14611.7	10000	38.8105	94.7238	-388	PLP	2.9	-1	9.5	0	1.3	1	0.309	-1	2.331	-1	7.553	-1	2086	52	2.1
14611.8	10000	38.8105	94.7230	-387	PLP	2.9	-1	9.9	0	1.3	1	0.285	-1	2.111	-1	7.405	-1	2111	44	2.0
14611.9	10000	38.8105	94.7222	-387	PLP	2.9	-1	10.4	1	1.4	1	0.276	-1	2.086	-1	7.546	-1	2151	48	2.0
14612.0	10000	38.8105	94.7215	-387	PLP	2.8	-1	10.5	1	1.4	1	0.264	-1	1.960	-1	7.424	-1	2162	50	2.0
14612.1	10000	38.8105	94.7207	-386	PLP	2.5	-1	10.3	1	1.4	1	0.244	-2	1.798	-2	7.374	-1	2154	43	2.0
14612.2	10000	38.8105	94.7199	-386	PLP	2.6	-1	10.6	1	1.4	1	0.245	-2	1.854	-2	7.556	-1	2168	43	2.0
14612.3	10000	38.8106	94.7191	-385	PLP	2.6	-1	10.7	1	1.4	1	0.244	-2	1.912	-1	7.826	-1	2162	65	2.0
14612.4	10000	38.8106	94.7183	-384	PLP	2.4	-2	10.3	1	1.4	1	0.234	-2	1.765	-2	7.545	-1	2142	48	2.0
14612.5	10000	38.8106	94.7175	-383	PLP	2.7	-1	9.8	1	1.3	1	0.276	-1	2.049	-1	7.427	-1	2149	45	2.0
14612.6	10000	38.8106	94.7168	-383	PLP	2.7	-1	9.4	1	1.3	1	0.291	-1	2.078	-1	7.144	-1	2129	41	1.9
14612.7	10000	38.8106	94.7160	-382	PLP	2.9	-1	8.9	1	1.3	1	0.325	-1	2.277	-1	7.006	-1	2119	40	1.9
14612.8	10000	38.8106	94.7152	-380	PLP	3.2	0	8.8	1	1.3	1	0.359	-1	2.458	-1	6.855	-1	2142	58	1.9
14612.9	10000	38.8106	94.7144	-381	PLP	3.2	0	8.9	1	1.3	1	0.365	-1	2.460	-1	6.737	-1	2155	40	1.9
14613.0	10000	38.8106	94.7136	-380	PLP	3.3	0	9.2	1	1.3	1	0.361	0	2.545	0	7.052	-1	2177	48	1.9
14613.1	10000	38.8106	94.7128	-379	PLP	3.5	0	9.2	1	1.3	1	0.376	0	2.662	0	7.073	-1	2195	35	1.9
14613.2	10000	38.8106	94.7121	-381	PLP	3.4	0	9.5	1	1.3	1	0.359	-1	2.518	-1	7.007	-1	2227	51	1.9
14613.3	10000	38.8106	94.7113	-381	PLP	3.5	0	9.3	1	1.3	1	0.375	0	2.649	0	7.072	-1	2254	36	1.9
14613.4	10000	38.8106	94.7105	-382	PLP	3.8	0	9.7	1	1.3	1	0.392	0	2.879	0	7.335	-1	2271	57	1.8
14613.5	10000	38.8106	94.7097	-383	PLP	3.6	0	9.7	1	1.3	1	0.374	0	2.774	0	7.420	-1	2276	50	1.8
14613.6	10000	38.8107	94.7089	-383	PLP	3.6	0	9.7	1	1.3	1	0.377	0	2.877	0	7.640	-1	2265	55	1.8
14613.7	10000	38.8107	94.7081	-384	PKC	3.8	0	9.3	1	1.3	1	0.405	0	2.923	0	7.218	-1	2260	50	1.8
14613.8	10000	38.8107	94.7074	-384	PKC	3.9	0	9.5	1	1.3	1	0.414	0	3.077	0	7.438	-1	2266	47	1.8
14613.9	10000	38.8107	94.7066	-385	PKC	3.9	0	9.7	1	1.3	1	0.404	0	3.123	0	7.738	-1	2252	55	1.8
14614.0	10000	38.8107	94.7058	-385	PKC	4.0	0	10.5	1	1.3	1	0.377	0	3.003	0	7.965	-1	2253	59	1.8
14614.1	10000	38.8107	94.7050	-384	PKC	3.6	0	11.1	1	1.4	1	0.328	0	2.671	0	8.144	-1	2266	47	1.8
14614.2	10000	38.8107	94.7042	-385	PKC	3.5	0	12.0	1	1.4	1	0.289	-1	2.557	-1	8.855	-1	2275	48	1.8
14614.3	10000	38.8107	94.7034	-385	PKC	3.7	0	11.8	1	1.4	1	0.317	-1	2.775	-1	8.750	-1	2283	46	1.8
14614.4	10000	38.8107	94.7027	-384	PKC	3.7	0	11.6	1	1.4	1	0.315	-1	2.745	-1	8.706	-1	2291	42	1.8
14614.5	10000	38.8107	94.7019	-385	PKC	3.6	0	11.6	1	1.4	1	0.307	-1	2.697	-1	8.789	-1	2289	54	1.7
14614.6	10000	38.8107	94.7011	-384	PKC	3.6	0	11.5	1	1.3	1	0.315	-1	2.750	0	8.740	0	2282	49	1.7

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14614.7	10000	38.8107	94.7003	-384	PKC	3.6	1	10.9	1	1.3	1	0.328	0	2.815	0	8.574	0	2275	49	1.7
14614.8	10000	38.8107	94.6995	-384	PKC	3.7	1	10.6	1	1.2	1	0.346	0	2.964	0	8.565	0	2260	55	1.7
14614.9	10000	38.8108	94.6987	-384	PKC	3.9	1	9.9	0	1.2	1	0.393	0	3.132	0	7.962	0	2235	31	1.7
14615.0	10000	38.8108	94.6979	-385	PKC	3.8	1	10.4	1	1.3	1	0.365	0	2.912	0	7.975	0	2248	49	1.7
14615.1	10000	38.8108	94.6972	-385	PKC	3.8	1	10.2	1	1.3	1	0.368	0	2.960	0	8.042	0	2238	42	1.7
14615.2	10000	38.8108	94.6964	-384	PKC	4.0	1	10.2	1	1.3	1	0.392	0	3.088	0	7.878	0	2247	42	1.7
14615.3	10000	38.8108	94.6956	-383	PKC	4.0	1	10.2	1	1.3	1	0.394	0	3.125	0	7.934	0	2236	45	1.7
14615.4	10000	38.8108	94.6948	-383	PKC	4.1	1	10.0	1	1.3	1	0.408	1	3.224	0	7.906	0	2204	49	1.7
14615.5	10000	38.8108	94.6940	-383	PKC	4.2	2	9.5	0	1.2	1	0.446	1	3.422	1	7.666	-1	2169	45	1.7
14615.6	10000	38.8108	94.6932	-382	PKC	4.2	2	9.2	0	1.2	0	0.464	1	3.586	1	7.736	0	2152	44	1.7
14615.7	10000	38.8108	94.6925	-382	PKC	4.1	1	8.9	0	1.1	0	0.464	1	3.662	1	7.898	0	2131	45	1.7
14615.8	10000	38.8108	94.6917	-382	PKC	4.0	1	9.2	0	1.2	0	0.428	1	3.304	0	7.713	0	2143	38	1.6
14615.9	10000	38.8108	94.6909	-382	PKC	3.8	1	9.3	0	1.2	0	0.402	1	3.106	0	7.724	0	2126	45	1.6
14616.0	10000	38.8108	94.6901	-382	PKC	3.8	1	9.7	0	1.2	0	0.391	0	3.168	0	8.096	0	2128	44	1.6
14616.1	10000	38.8108	94.6893	-381	PKC	3.9	1	9.9	0	1.2	1	0.396	0	3.134	0	7.923	0	2160	46	1.6
14616.2	10000	38.8109	94.6885	-381	PKC	3.8	1	9.9	0	1.3	1	0.380	0	2.949	0	7.754	0	2187	45	1.6
14616.3	10000	38.8109	94.6877	-381	PKC	3.8	1	9.8	0	1.3	1	0.386	0	2.886	0	7.485	-1	2209	39	1.6
14616.4	10000	38.8109	94.6870	-381	PKC	3.9	1	9.7	0	1.3	1	0.401	1	2.968	0	7.399	-1	2222	49	1.6
14616.5	10000	38.8109	94.6862	-381	PKC	4.1	1	9.7	0	1.3	1	0.422	1	3.254	0	7.711	0	2205	47	1.6
14616.6	10000	38.8109	94.6854	-381	PKC	4.1	1	9.5	0	1.2	1	0.428	1	3.299	0	7.710	0	2190	50	1.6
14616.7	10000	38.8109	94.6846	-382	PKC	4.2	2	9.0	0	1.3	1	0.468	1	3.200	0	6.842	-1	2176	44	1.6
14616.8	10000	38.8109	94.6838	-382	PKC	4.0	1	8.4	-1	1.3	1	0.459	1	3.054	0	6.653	-1	2145	50	1.6
14616.9	10000	38.8109	94.6830	-382	PKC	3.9	1	8.1	-1	1.2	1	0.482	2	3.170	0	6.574	-1	2120	50	1.6
14617.0	10000	38.8109	94.6823	-382	PKC	3.8	1	8.5	-1	1.2	0	0.447	1	3.137	0	7.016	-1	2074	45	1.6
14617.1	10000	38.8109	94.6815	-382	PKC	3.7	1	8.3	-1	1.2	0	0.443	1	3.056	0	6.891	-1	2013	38	1.6
14617.2	10000	38.8109	94.6807	-382	PKC	3.7	1	7.8	-1	1.2	0	0.474	1	3.165	0	6.681	-1	1967	51	1.6
14617.3	10000	38.8109	94.6799	-381	PKC	3.8	1	8.0	-1	1.1	0	0.482	2	3.422	1	7.106	-1	1929	48	1.6
14617.4	10000	38.8109	94.6791	-381	PKC	3.6	0	7.6	-1	1.1	-1	0.467	1	3.544	1	7.586	-1	1873	43	1.7
14617.5	10000	38.8110	94.6783	-380	PKC	3.5	0	7.8	-1	1.0	-1	0.452	1	3.521	1	7.793	0	1843	51	1.7
14617.6	10000	38.8110	94.6776	-379	PKC	3.3	0	7.6	-1	1.0	-1	0.441	1	3.399	1	7.709	0	1766	46	1.7
14617.7	10000	38.8110	94.6768	-377	PKC	3.5	0	7.4	-1	1.0	-1	0.469	1	3.487	1	7.440	-1	1736	53	1.7
14617.8	10000	38.8110	94.6760	-376	PKC	3.2	0	7.4	-2	1.0	-1	0.437	1	3.276	1	7.500	-1	1721	50	1.7
14617.9	10000	38.8110	94.6752	-375	PKC	3.0	0	7.2	-2	1.0	-1	0.418	1	2.959	0	7.078	-1	1713	54	1.7
14618.0	10000	38.8110	94.6744	-376	PKC	2.8	-1	6.8	-2	1.0	0	0.405	1	2.635	0	6.499	-1	1712	52	1.7
14618.1	10000	38.8110	94.6736	-377	PKC	3.0	0	6.7	-2	1.0	-1	0.448	1	2.903	0	6.479	-1	1743	46	1.7
14618.2	10000	38.8110	94.6729	-376	PKC	3.0	0	6.9	-2	1.1	0	0.440	1	2.862	0	6.510	-1	1727	52	1.7
14618.3	10000	38.8110	94.6721	-376	PKC	3.2	0	7.4	-2	1.0	-1	0.435	1	3.089	0	7.102	-1	1734	33	1.7
14618.4	10000	38.8110	94.6713	-374	PKC	3.0	-1	7.3	-2	1.0	-1	0.413	1	2.943	0	7.131	-1	1749	45	1.7
14618.5	10000	38.8110	94.6705	-373	PKC	3.2	0	6.9	-2	1.0	-1	0.459	1	3.086	0	6.719	-1	1779	44	1.7
14618.6	10000	38.8110	94.6697	-372	PKC	3.5	0	7.3	-2	1.0	-1	0.477	1	3.381	0	7.092	-1	1825	31	1.7
14618.7	10000	38.8110	94.6689	-371	PKC	4.1	1	7.6	-1	1.1	0	0.535	2	3.830	1	7.159	-1	1885	45	1.7
14618.8	10000	38.8111	94.6681	-372	PKC	3.8	1	8.6	-1	1.1	0	0.442	1	3.459	1	7.833	0	1941	41	1.7
14618.9	10000	38.8111	94.6674	-371	PKC	4.0	1	8.6	-1	1.1	0	0.464	1	3.616	1	7.794	0	2006	57	1.7
14619.0	10000	38.8111	94.6666	-370	PKC	3.8	1	8.7	0	1.2	0	0.440	1	3.295	1	7.488	-1	2048	50	1.8
14619.1	10000	38.8111	94.6658	-370	PKC	3.9	1	8.6	-1	1.2	0	0.449	1	3.214	1	7.161	-1	2082	51	1.8
14619.2	10000	38.8111	94.6650	-371	PKC	3.9	1	9.2	0	1.2	0	0.425	1	3.293	1	7.754	0	2092	53	1.8
14619.3	10000	38.8111	94.6642	-371	PKC	3.7	1	9.0	0	1.1	0	0.408	1	3.273	1	8.029	0	2061	51	1.8
14619.4	10000	38.8111	94.6634	-370	PKC	3.2	1	8.8	0	1.1	0	0.364	1	2.924	0	8.031	0	1983	44	1.8
14619.5	10000	38.8111	94.6627	-369	PKC	3.1	0	7.7	-1	1.0	-1	0.408	1	3.071	1	7.517	-1	1884	56	1.8
14619.6	10000	38.8111	94.6619	-367	PKC	3.0	0	7.3	-2	1.0	-1	0.417	1	3.147	1	7.542	-1	1791	54	1.8
14619.7	10000	38.8111	94.6611	-365	PKC	3.2	0	6.7	-2	0.9	-2	0.473	1	3.702	1	7.829	0	1726	49	1.8
14619.8	10000	38.8111	94.6603	-364	PKC	3.2	0	6.9	-2	0.8	-2	0.467	1	3.974	1	8.510	0	1693	34	1.8

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKIJT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
14619.9	10000	38.8111	94.6595	-363	PKC	3.2	0	7.1	-2	0.8	-2	0.448	1	3.819	1	8.518	0	1671	64	1.8
14620.0	10000	38.8111	94.6587	-362	PKC	3.1	0	7.5	-1	0.9	-1	0.410	1	3.397	1	8.290	0	1690	38	1.8
14620.1	10000	38.8111	94.6579	-361	PKC	3.2	0	8.1	-1	0.9	-1	0.391	0	3.448	1	8.819	0	1759	42	1.8
14620.2	10000	38.8111	94.6572	-359	PKC	3.1	0	8.3	-1	1.0	-1	0.374	0	3.017	0	8.061	0	1854	50	1.9
14620.3	10000	38.8112	94.6564	-358	PKC	3.3	0	8.9	0	1.1	0	0.374	0	2.991	0	7.991	0	1960	52	1.9
14620.4	10000	38.8112	94.6556	-357	PKC	3.4	0	9.6	0	1.2	1	0.349	0	2.708	0	7.753	0	2058	58	1.9
14620.5	10000	38.8112	94.6548	-356	PKC	3.5	0	9.8	0	1.3	1	0.356	0	2.693	0	7.573	-1	2105	38	1.9
14620.6	10000	38.8112	94.6540	-355	PKC	3.4	0	9.5	0	1.3	1	0.359	0	2.600	-1	7.234	-1	2143	42	1.9
14620.7	10000	38.8112	94.6532	-355	PKC	3.5	0	9.6	0	1.3	1	0.363	0	2.591	-1	7.131	-1	2185	49	1.9
14620.8	10000	38.8112	94.6525	-355	PKC	3.4	0	9.6	0	1.4	2	0.352	0	2.410	-1	6.847	-1	2194	50	1.9
14620.9	10000	38.8112	94.6517	-355	PKC	3.3	0	10.2	1	1.4	2	0.329	0	2.376	-1	7.229	-1	2198	46	1.9
14621.0	10000	38.8112	94.6509	-355	PKC	3.0	-1	10.2	1	1.4	1	0.293	-1	2.142	-1	7.304	-1	2184	49	1.9
14621.1	10000	38.8112	94.6501	-355	PKC	3.0	-1	10.4	1	1.4	1	0.288	-1	2.137	-1	7.416	-1	2174	53	1.9
14621.2	10000	38.8112	94.6493	-353	PKC	2.9	-1	10.4	1	1.4	1	0.280	-1	2.136	-1	7.636	-1	2167	55	1.9
14621.3	10000	38.8112	94.6485	-347	PKC	3.0	-1	10.5	1	1.3	1	0.285	-1	2.212	-1	7.761	0	2175	49	1.9
14621.4	10000	38.8112	94.6478	-344	PKC	3.1	0	10.5	1	1.4	1	0.290	-1	2.218	-1	7.651	-1	2164	56	1.9
14621.5	10000	38.8113	94.6470	-345	PKC	3.1	0	10.3	1	1.3	1	0.302	-1	2.314	-1	7.671	-1	2155	38	2.0
14621.6	10000	38.8112	94.6462	-345	PKC	3.3	0	10.1	1	1.3	1	0.331	0	2.497	-1	7.549	-1	2149	47	2.0
14621.7	10000	38.8113	94.6454	-346	PKC	3.2	0	10.2	1	1.3	1	0.318	-1	2.480	-1	7.788	0	2128	42	2.0
14621.8	10000	38.8113	94.6446	-346	PKC	3.1	0	9.6	0	1.3	1	0.323	0	2.444	-1	7.576	-1	2095	44	2.0
14621.9	10000	38.8113	94.6438	-347	PKC	2.9	-1	9.4	0	1.3	1	0.311	-1	2.313	-1	7.430	-1	2065	35	2.0
14622.0	10000	38.8113	94.6431	-346	PKC	2.8	-1	9.1	0	1.2	1	0.308	-1	2.264	-1	7.352	-1	2022	58	2.0
14622.1	10000	38.8113	94.6423	-346	PKC	2.8	-1	8.9	0	1.2	0	0.313	-1	2.376	-1	7.600	-1	1986	50	2.0
14622.2	10000	38.8113	94.6415	-346	PKC	2.5	-1	8.5	-1	1.2	0	0.291	-1	2.062	-1	7.088	-1	1966	44	2.0
14622.3	10000	38.8113	94.6407	-346	PKC	2.3	-2	8.4	-1	1.2	0	0.273	-1	1.954	-1	7.165	-1	1963	43	2.0
14622.4	10000	38.8113	94.6399	-346	PKC	2.4	-2	8.2	-1	1.2	0	0.294	-1	1.992	-1	6.784	-1	1986	42	2.0
14622.5	10000	38.8113	94.6391	-346	PKC	2.4	-2	8.4	-1	1.2	0	0.283	-1	1.986	-1	7.008	-1	2001	45	2.0
14622.6	10000	38.8113	94.6384	-346	PKC	2.7	-1	8.5	-1	1.2	0	0.317	-1	2.209	-1	6.972	-1	2026	49	2.0
14622.7	10000	38.8113	94.6376	-346	PKC	3.1	0	8.5	-1	1.2	1	0.365	-1	2.545	-1	6.968	-1	2039	46	2.0
14622.8	10000	38.8113	94.6369	-346	PKC	3.0	-1	8.2	-1	1.1	0	0.363	1	2.462	-1	6.781	-1	2039	39	2.1
14622.9	10000	38.8113	94.6361	-345	PKC	3.4	0	8.4	-1	1.1	0	0.405	1	3.027	-1	7.474	-1	2021	47	2.1
14623.0	10000	38.8112	94.6353	-344	PKC	3.5	0	8.2	-1	1.1	0	0.431	1	3.181	-1	7.376	-1	1996	40	2.1
14623.1	10000	38.8112	94.6346	-344	PKC	3.7	1	7.8	-1	1.1	0	0.469	1	3.466	-1	7.397	-1	1983	49	2.1
14623.2	10000	38.8112	94.6338	-344	PKC	3.8	1	7.7	-1	1.1	0	0.492	1	3.525	-1	7.157	-1	1971	33	2.1
14623.3	10000	38.8112	94.6331	-343	PKC	3.7	1	7.8	-1	1.1	0	0.477	1	3.454	-1	7.239	-1	1958	47	2.1
14623.4	10000	38.8112	94.6323	-343	PKC	3.2	0	7.5	-1	1.1	0	0.428	1	2.894	-1	6.769	-1	1955	42	2.1
14623.5	10000	38.8112	94.6316	-342	PKC	3.4	0	7.6	-1	1.2	0	0.448	1	2.896	-1	6.462	-1	1959	47	2.1
14623.6	10000	38.8111	94.6308	-342	PKC	3.2	0	7.4	-2	1.2	0	0.440	1	2.676	-1	6.085	-2	1971	51	2.1
14623.7	10000	38.8111	94.6300	-342	PKC	3.3	0	7.5	-1	1.3	0	0.445	1	2.628	-1	5.902	-2	1975	48	2.1
14623.8	10000	38.8111	94.6293	-341	PKC	3.2	0	7.9	-1	1.3	0	0.406	1	2.508	-1	6.176	-2	1983	54	2.1
14623.9	10000	38.8111	94.6285	-341	PKC	3.2	0	7.6	-1	1.3	0	0.415	1	2.447	-1	5.900	-2	1999	33	2.1
14624.0	10000	38.8111	94.6278	-340	PKC	3.1	0	7.7	-1	1.3	0	0.403	1	2.394	-1	5.945	-2	2005	29	2.1
14624.1	10000	38.8111	94.6270	-339	PKC	3.3	0	8.3	-1	1.3	0	0.391	0	2.520	-1	6.443	-1	2017	38	2.1
14624.2	10000	38.8111	94.6263	-338	PKC	3.1	0	7.9	-1	1.3	0	0.376	0	2.413	-1	6.421	-2	2029	58	2.1
14624.3	10000	38.8110	94.6255	-338	PKC	3.3	0	8.2	0	1.3	0	0.368	0	2.511	-1	6.823	-1	2052	46	2.1
14624.4	10000	38.8110	94.6247	-339	PKC	3.2	0	8.1	0	1.3	0	0.345	0	2.446	-1	7.094	-1	2071	30	2.1
14624.5	10000	38.8110	94.6240	-340	PKC	3.1	0	8.3	0	1.3	0	0.341	0	2.364	-1	6.935	-1	2064	38	2.1
14624.6	10000	38.8110	94.6232	-340	PKC	2.9	-1	8.2	0	1.3	0	0.314	-1	2.223	-1	7.071	-1	2052	39	2.1
14624.7	10000	38.8110	94.6225	-339	PKC	3.0	-1	8.3	0	1.3	0	0.325	0	2.336	-1	7.187	-1	2048	55	2.1
14624.8	10000	38.8110	94.6217	-339	PKC	3.0	-1	8.4	0	1.3	0	0.325	0	2.356	-1	7.247	-1	2043	52	2.1
14624.9	10000	38.8109	94.6210	-340	PKC	3.0	-1	8.4	0	1.3	0	0.323	0	2.383	-1	7.379	-1	2054	52	2.1
14625.0	10000	38.8109	94.6202	-340	PKC	2.8	-1	9.6	0	1.3	1	0.292	-1	2.163	-1	7.416	-1	2055	49	2.1

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
14625.1	10000	38.8.09	94.6194	-340	PKC	2.7	-1	9.5	0	1.3	1	0.278	-1	2.068	-1	7.445	-1	2066	39	2.0
14625.2	10000	38.8109	94.6187	-340	PKC	2.9	-1	9.7	0	1.3	1	0.301	-1	2.280	-1	7.564	-1	2097	46	2.0
14625.3	10000	38.8109	94.6179	-340	PKC	3.3	0	9.7	0	1.3	1	0.336	0	2.565	-1	7.640	-1	2124	41	2.0
14625.4	10000	38.8109	94.6172	-340	PKC	3.1	0	10.0	1	1.4	1	0.307	-1	2.216	-1	7.213	-1	2160	49	2.0
14625.5	10000	38.8108	94.6164	-340	PKC	2.9	-1	9.9	0	1.5	2	0.291	-1	1.963	-1	6.753	-1	2188	41	2.0
14625.6	10000	38.8108	94.6157	-340	PKC	2.8	-1	10.0	1	1.5	2	0.278	-1	1.879	-2	6.761	-1	2204	61	2.0
14625.7	10000	38.8108	94.6149	-340	PKC	2.9	-1	9.8	0	1.5	2	0.296	-1	1.961	-1	6.616	-1	2229	37	2.0
14625.8	10000	38.8108	94.6142	-340	PKC	3.1	0	9.8	0	1.5	2	0.317	-1	2.046	-1	6.453	-1	2234	42	2.0
14625.9	10000	38.8108	94.6134	-340	PKC	2.9	-1	9.6	0	1.5	2	0.303	-1	1.898	-2	6.255	-2	2233	45	2.0
14626.0	10000	38.8108	94.6126	-340	PKC	2.9	-1	9.7	0	1.6	2	0.300	-1	1.862	-2	6.204	-2	2255	44	2.0
14626.1	10000	38.8107	94.6119	-340	PKC	3.3	0	9.7	0	1.5	2	0.336	0	2.141	-1	6.381	-2	2255	44	2.0
14626.2	10000	38.8107	94.6111	-340	PKC	3.4	0	9.8	0	1.5	2	0.348	0	2.318	-1	6.661	-1	2260	45	2.0
14626.3	10000	38.8107	94.6104	-341	PKC	3.5	0	9.8	0	1.5	2	0.356	0	2.377	-1	6.682	-1	2242	46	2.0
14626.4	10000	38.8107	94.6096	-341	PKC	3.6	1	9.4	0	1.4	2	0.382	0	2.489	-1	6.511	-1	2208	42	2.0
14626.5	10000	38.8107	94.6088	-341	PKC	3.4	0	9.1	0	1.4	1	0.379	0	2.544	-1	6.703	-1	2178	44	2.0
14626.6	10000	38.8107	94.6081	-341	PKC	3.5	0	8.8	0	1.3	1	0.403	1	2.756	0	6.844	-1	2123	46	2.0
14626.7	10000	38.8106	94.6073	-341	PKC	3.5	0	8.3	-1	1.2	0	0.425	1	2.957	0	6.950	-1	2047	36	2.0
14626.8	10000	38.8106	94.6066	-341	PKC	3.2	0	7.7	-1	1.1	0	0.413	1	2.862	0	6.927	-1	1955	39	2.0
14626.9	10000	38.8106	94.6058	-341	PKC	3.1	0	7.0	-2	1.0	-1	0.444	1	3.059	0	6.885	-1	1851	38	2.0
14627.0	10000	38.8106	94.6051	-341	PKC	2.9	-1	6.4	-2	0.9	-1	0.448	1	3.138	0	7.003	-1	1782	51	2.0
14627.1	10000	38.8106	94.6043	-341	PKC	2.7	-1	6.4	-2	0.9	-1	0.422	1	3.033	0	7.180	-1	1749	47	1.9
14627.2	10000	38.8106	94.6035	-341	PKC	2.8	-1	6.7	-2	0.9	-1	0.426	1	3.133	0	7.347	-1	1748	40	1.9
14627.3	10000	38.8105	94.6028	-341	PKC	3.0	-1	7.1	-2	0.9	-1	0.418	1	3.267	0	7.808	0	1776	40	1.9
14627.4	10000	38.8105	94.6020	-341	PKC	2.8	-1	7.7	-1	1.0	-1	0.368	0	2.968	0	8.069	0	1828	36	1.9
14627.5	10000	38.8105	94.6013	-341	PKC	3.1	0	8.4	-1	1.0	-1	0.363	0	3.026	0	8.336	0	1903	41	1.9
14627.6	10000	38.8105	94.6005	-341	PKC	3.4	0	9.0	0	1.1	0	0.382	0	3.189	0	8.359	0	1996	44	1.9
14627.7	10000	38.8105	94.5998	-340	PKC	3.6	1	9.4	0	1.1	0	0.387	0	3.315	0	8.574	0	2052	44	1.9
14627.8	10000	38.8105	94.5990	-339	PKC	3.7	1	9.6	0	1.1	0	0.385	0	3.358	0	8.402	0	2097	45	1.9
14627.9	10000	38.8105	94.5983	-338	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.318	0	8.489	0	2114	48	1.9
14628.0	10000	38.8104	94.5975	-337	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.314	0	8.618	0	2138	41	1.9
14628.1	10000	38.8104	94.5967	-338	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.304	0	8.569	0	2160	44	1.9
14628.2	10000	38.8104	94.5960	-338	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.256	0	8.425	0	2186	52	1.9
14628.3	10000	38.8104	94.5952	-337	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.261	0	8.731	0	2215	45	1.9
14628.4	10000	38.8104	94.5945	-336	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.279	0	8.417	0	2265	41	1.9
14628.5	10000	38.8104	94.5937	-335	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.301	0	8.464	0	2304	39	1.9
14628.6	10000	38.8103	94.5930	-335	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.310	0	8.139	0	2341	44	1.9
14628.7	10000	38.8103	94.5922	-335	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.318	0	7.946	0	2364	46	1.9
14628.8	10000	38.8103	94.5914	-334	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.344	0	7.598	-1	2362	37	1.9
14628.9	10000	38.8103	94.5907	-333	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.358	0	7.361	-1	2351	48	1.9
14629.0	10000	38.8103	94.5899	-332	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.360	0	7.253	-1	2344	53	1.9
14629.1	10000	38.8103	94.5892	-331	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.359	0	7.397	-1	2335	40	1.9
14629.2	10000	38.8102	94.5884	-330	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.352	0	7.539	-1	2298	43	1.9
14629.3	10000	38.8102	94.5876	-330	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.352	0	7.568	-1	2257	38	1.9
14629.4	10000	38.8102	94.5869	-330	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.329	0	7.617	-1	2227	37	1.9
14629.5	10000	38.8102	94.5861	-329	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.299	0	7.609	-1	2219	50	1.9
14629.6	10000	38.8102	94.5854	-327	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.322	0	7.367	-1	2216	43	1.9
14629.7	10000	38.8102	94.5846	-326	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.324	0	7.318	-1	2203	49	1.9
14629.8	10000	38.8102	94.5839	-325	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.321	0	7.191	-1	2187	48	1.9
14629.9	10000	38.8101	94.5831	-324	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.319	0	7.867	-1	2193	50	1.9
14630.0	10000	38.8101	94.5824	-324	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.341	0	7.982	-1	2198	44	1.9
14630.1	10000	38.8101	94.5816	-322	PKC	3.6	1	9.6	0	1.1	0	0.375	0	3.402	0	7.495	-1	2186	45	1.9
14630.2	10000	38.8101	94.5808	-321	PKC	4.0	1	9.9	0	1.3	1	0.402	1	2.984	0	7.418	-1	2192	51	1.9

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14630.3	10000	38.8101	94.5801	-321	PKC	3.9	1	9.7	0	1.3	1	0.407	1	3.002	0	7.373	-1	2193	49	1.8
14630.4	10000	38.8101	94.5793	-319	PKC	3.9	1	9.5	0	1.3	1	0.407	1	2.908	0	7.142	-1	2197	62	1.8
14630.5	10000	38.8100	94.5786	-317	PKC	3.7	1	9.6	0	1.4	1	0.387	0	2.735	0	7.063	-1	2189	59	1.8
14630.6	10000	38.8100	94.5778	-315	PKC	3.5	0	9.3	0	1.3	1	0.382	0	2.670	0	6.993	-1	2190	51	1.8
14630.7	10000	38.8100	94.5771	-313	PKC	3.5	0	9.1	0	1.3	1	0.388	0	2.621	-1	6.755	-1	2197	55	1.8
14630.8	10000	38.8100	94.5763	-310	PKC	3.6	1	9.5	0	1.4	2	0.381	0	2.561	-1	6.724	-1	2219	48	1.7
14630.9	10000	38.8100	94.5755	-308	PKC	3.0	-1	10.0	1	1.5	2	0.295	-1	2.034	-1	6.891	-1	2212	36	1.7
14631.0	10000	38.8100	94.5748	-306	PKC	2.8	-1	10.3	1	1.5	2	0.276	-1	1.919	-2	6.962	-1	2211	50	1.7
14631.1	10000	38.8099	94.5740	-305	PKC	2.8	-1	10.3	1	1.5	2	0.270	-1	1.864	-2	6.903	-1	2208	51	1.7
14631.2	10000	38.8099	94.5733	-304	PKC	3.0	-1	10.5	1	1.5	2	0.282	-1	2.016	-1	7.136	-1	2209	57	1.8
14631.3	10000	38.8099	94.5725	-303	PKC	3.2	0	10.4	1	1.4	2	0.311	-1	2.235	-1	7.190	-1	2206	44	1.8
14631.4	10000	38.8099	94.5718	-303	PKC	3.2	0	10.4	1	1.4	2	0.310	-1	2.255	-1	7.281	-1	2207	55	1.8
14631.5	10000	38.8099	94.5710	-302	PKC	3.2	0	10.9	1	1.4	1	0.288	-1	2.271	-1	7.876	0	2197	45	1.8
14631.6	10000	38.8099	94.5702	-301	PKC	3.4	0	10.6	1	1.4	1	0.318	-1	2.507	-1	7.879	0	2191	62	1.8
14631.7	10000	38.8098	94.5695	-299	PKC	3.6	0	10.4	1	1.3	1	0.342	0	2.755	0	8.055	0	2179	60	1.8
14631.8	10000	38.8098	94.5687	-298	PKC	3.4	0	10.4	1	1.3	1	0.333	0	2.742	0	8.242	0	2152	52	1.8
14631.9	10000	38.8098	94.5680	-295	CULTRL	3.3	999	9.9	999	1.3	999	0.335	999	2.651	999	7.912	999	2131	48	1.8
14632.0	10000	38.8098	94.5672	-292	CULTRL	3.1	999	10.0	999	1.2	999	0.311	999	2.487	999	8.007	999	2094	46	1.8
14632.1	10000	38.8098	94.5665	-287	CULTRL	3.0	999	9.8	999	1.2	999	0.310	999	2.494	999	8.056	999	2068	53	1.8
14632.2	10000	38.8098	94.5657	-284	CULTRL	3.2	999	9.6	999	1.1	999	0.335	999	2.815	999	8.400	999	2052	46	1.8
14632.3	10000	38.8098	94.5649	-282	CULTRL	3.0	999	9.1	999	1.1	999	0.334	999	2.699	999	8.074	999	2017	56	1.8
14632.4	10000	38.8097	94.5642	-281	CULTRL	3.1	999	8.7	999	1.1	999	0.354	999	2.684	999	7.575	999	2015	49	1.8
14632.5	10000	38.8097	94.5634	-280	CULTRL	3.3	999	8.5	999	1.2	999	0.389	999	2.862	999	7.365	999	2032	35	1.8
14632.6	10000	38.8097	94.5627	-276	CULTRL	3.3	999	8.9	999	1.1	999	0.372	999	2.880	999	7.735	999	2051	41	1.8
14632.7	10000	38.8097	94.5619	-274	CULTRL	3.2	999	9.4	999	1.2	999	0.346	999	2.779	999	8.043	999	2078	39	1.8
14632.8	10000	38.8097	94.5612	-271	CULTRL	3.2	999	9.2	999	1.2	999	0.351	999	2.677	999	7.622	999	2082	46	1.8
14632.9	10000	38.8096	94.5604	-268	CULTRL	3.0	999	9.0	999	1.3	999	0.336	999	2.337	999	6.950	999	2086	31	1.8
14633.0	10000	38.8096	94.5596	-265	CULTRL	3.3	999	9.4	999	1.3	999	0.347	999	2.493	999	7.192	999	2118	69	1.8
14633.1	10000	38.8096	94.5589	-262	CULTRL	3.4	999	9.8	999	1.3	999	0.344	999	2.631	999	7.652	999	2107	51	1.8
14633.2	10000	38.8096	94.5581	-260	CULTRL	3.1	999	10.1	999	1.3	999	0.302	999	2.451	999	8.127	999	2099	54	1.8
14633.3	10000	38.8096	94.5574	-258	PKC	3.1	0	9.8	0	1.2	0	0.314	-1	2.553	-1	8.130	0	2095	54	1.8
14633.4	10000	38.8096	94.5566	-256	PKC	3.3	0	10.1	1	1.2	0	0.331	0	2.777	0	8.396	0	2098	49	1.8
14633.5	10000	38.8095	94.5559	-255	PKC	3.2	0	10.7	1	1.2	0	0.303	-1	2.719	0	8.966	0	2119	41	1.8
14633.6	10000	38.8095	94.5551	-252	PKC	3.4	0	10.5	1	1.2	0	0.317	-1	2.863	0	9.030	1	2122	43	1.8
14633.7	10000	38.8095	94.5543	-248	PKC	3.4	0	10.8	1	1.2	0	0.323	0	2.857	0	8.850	0	2120	49	1.8
14633.8	10000	38.8095	94.5536	-245	PKC	3.4	0	10.7	1	1.2	0	0.313	-1	2.765	0	8.831	0	2140	41	1.8
14633.9	10000	38.8095	94.5528	-242	PKC	3.6	0	10.5	1	1.2	0	0.338	0	2.885	0	8.532	0	2150	48	1.8
14634.0	10000	38.8095	94.5521	-237	PKC	3.5	0	10.7	1	1.3	0	0.335	0	2.732	0	8.160	0	2143	38	1.8
14634.1	10000	38.8095	94.5513	-233	PKC	3.5	0	10.5	1	1.3	0	0.352	0	2.793	0	7.927	0	2131	48	1.8
14634.2	10000	38.8094	94.5506	-229	PKC	3.6	0	10.7	1	1.3	0	0.366	0	2.875	0	7.853	0	2120	43	1.8
14634.3	10000	38.8094	94.5498	-225	PKC	3.6	0	10.7	1	1.3	0	0.384	0	3.041	0	7.928	0	2103	48	1.8
14634.4	10000	38.8094	94.5490	-220	PKC	3.5	0	10.7	1	1.3	0	0.366	0	3.033	0	7.928	0	2102	45	1.8
14634.5	10000	38.8094	94.5483	-214	PKC	3.5	0	10.7	1	1.3	0	0.371	0	2.989	0	7.996	0	2087	56	1.8
14634.6	10000	38.8094	94.5475	-209	PKC	3.5	0	10.7	1	1.3	0	0.397	0	3.174	0	8.281	0	2087	47	1.8
14634.7	10000	38.8094	94.5468	-204	PKC	3.5	0	10.7	1	1.3	0	0.410	0	3.446	0	8.397	0	2086	49	1.8
14634.8	10000	38.8093	94.5460	-202	PKC	3.5	0	10.7	1	1.3	0	0.407	0	3.355	0	8.253	0	2095	48	1.8
14634.9	10000	38.8093	94.5453	-200	PKC	3.5	0	10.7	1	1.3	0	0.414	0	3.602	0	8.705	0	2081	48	1.8
14635.0	10000	38.8093	94.5445	-197	PKC	3.5	0	10.7	1	1.3	0	0.399	0	3.525	0	8.825	0	2018	41	1.8
14635.1	10000	38.8093	94.5437	-193	PKC	3.5	0	10.7	1	1.3	0	0.449	0	3.817	0	8.501	1	1966	60	1.8
14635.2	10000	38.8093	94.5430	-188	PKC	3.5	0	10.7	1	1.3	0	0.454	0	4.032	0	8.882	0	1905	47	1.8
14635.3	10000	38.8093	94.5422	-182	PKC	3.5	0	10.7	1	1.3	0	0.449	0	4.088	0	8.098	0	1860	50	1.8
14635.4	10000	38.8092	94.5415	-175	PKC	3.6	0	10.8	1	1.3	0	0.433	0	4.157	0	8.607	0	1860	50	1.8

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14635.5	10000	38.8092	94.5407	-169	CULTRL	3.3	999	7.9	999	0.8	999	0.416	999	3.999	999	9.616	999	1809	42	1.9
14635.6	10000	38.8092	94.5400	-164	CULTRL	3.1	999	7.6	999	0.8	999	0.411	999	3.844	999	9.354	999	1765	34	1.9
14635.7	10000	38.8092	94.5392	-162	CULTRL	3.1	999	7.6	999	0.8	999	0.415	999	3.708	999	8.939	999	1749	34	1.9
14635.8	10000	38.8092	94.5385	-162	CULTRL	2.9	999	7.8	999	0.9	999	0.377	999	3.419	999	9.076	999	1755	55	1.9
14635.9	10000	38.8092	94.5377	-159	CULTRL	3.0	999	8.1	999	0.9	999	0.367	999	3.294	999	8.966	999	1751	45	1.9
14636.0	10000	38.8092	94.5369	-154	CULTRL	2.8	999	8.1	999	0.9	999	0.345	999	3.135	999	9.074	999	1743	46	1.9
14636.1	10000	38.8091	94.5362	-150	CULTRL	2.9	999	7.5	999	0.9	999	0.387	999	3.224	999	8.334	999	1730	56	1.9
14636.2	10000	38.8091	94.5354	-147	CULTRL	3.2	999	7.4	999	0.9	999	0.425	999	3.651	999	8.594	999	1719	51	1.9
14636.3	10000	38.8091	94.5347	-140	CULTRL	3.2	999	7.0	999	0.9	999	0.459	999	3.741	999	8.153	999	1706	39	1.9
14636.4	10000	38.8091	94.5339	-133	CULTRL	3.3	999	6.9	999	0.8	999	0.476	999	3.945	999	8.287	999	1687	47	1.9
14636.5	10000	38.8091	94.5331	-126	CULTRL	3.4	999	6.5	999	0.9	999	0.518	999	3.909	999	7.542	999	1673	50	1.9
14636.6	10000	38.8091	94.5324	-117	CULTRL	3.4	999	6.1	999	0.8	999	0.561	999	4.025	999	7.169	999	1672	54	1.9
14636.7	10000	38.8090	94.5316	-108	CULTRL	3.4	999	6.0	999	0.9	999	0.575	999	3.976	999	6.916	999	1667	42	1.9
14636.8	10000	38.8090	94.5309	-99	CULTRL	3.3	999	6.4	999	0.9	999	0.523	999	3.810	999	7.281	999	1671	47	1.9
14636.9	10000	38.8090	94.5301	-94	CULTRL	3.2	999	6.5	999	0.9	999	0.494	999	3.465	999	7.018	999	1673	40	1.9
14637.0	10000	38.8090	94.5294	-91	CULTRL	3.0	999	7.0	999	1.0	999	0.426	999	3.048	999	7.163	999	1697	51	1.9
14637.1	10000	38.8090	94.5286	-86	CULTRL	2.8	999	7.5	999	1.0	999	0.371	999	2.739	999	7.383	999	1730	51	1.9
14637.2	10000	38.8090	94.5278	-82	CULTRL	2.6	999	7.8	999	1.0	999	0.336	999	2.590	999	7.704	999	1755	48	1.9
14637.3	10000	38.8089	94.5271	-77	CULTRL	2.6	999	8.1	999	1.1	999	0.324	999	2.450	999	7.566	999	1774	42	1.9
14637.4	10000	38.8089	94.5263	-71	CULTRL	2.7	999	8.2	999	1.1	999	0.325	999	2.410	999	7.415	999	1814	43	1.9
14637.5	10000	38.8089	94.5256	-62	CULTRL	2.9	999	8.0	999	1.1	999	0.365	999	2.576	999	7.067	999	1852	48	1.9
14637.6	10000	38.8089	94.5248	-54	CULTRL	3.0	999	8.1	999	1.2	999	0.370	999	2.588	999	6.991	999	1902	52	1.9
14637.7	10000	38.8089	94.5240	-49	CULTRL	3.2	999	7.9	999	1.2	999	0.410	999	2.737	999	6.675	999	1944	32	1.9
14637.8	10000	38.8089	94.5232	-45	CULTRL	3.4	999	8.0	999	1.2	999	0.429	999	2.783	999	6.490	999	2003	48	1.9
14637.9	10000	38.8089	94.5224	-39	CULTRL	3.5	999	8.1	999	1.3	999	0.430	999	2.682	999	6.237	999	2048	41	1.9
14638.0	10000	38.8089	94.5217	-35	CULTRL	3.5	999	8.5	999	1.3	999	0.407	999	2.660	999	6.535	999	2113	39	1.9
14638.1	10000	38.8089	94.5209	-32	CULTRL	3.4	999	9.0	999	1.3	999	0.384	999	2.614	999	6.812	999	2156	43	1.9
14638.2	10000	38.8089	94.5201	-28	CULTRL	3.1	999	9.6	999	1.3	999	0.322	999	2.313	999	7.179	999	2187	56	1.9
14638.3	10000	38.8089	94.5193	-22	PKC	3.3	0	10.0	1	1.3	1	0.332	0	2.503	-1	7.538	-1	2203	42	1.9
14638.4	10000	38.8089	94.5185	-16	PKC	3.4	0	10.1	1	1.3	0	0.335	0	2.578	-1	7.701	-1	2204	46	2.0
14638.5	10000	38.8089	94.5178	-10	PKC	3.5	0	9.8	1	1.3	0	0.357	0	2.760	0	7.725	0	2173	58	2.0
14638.6	10000	38.8089	94.5170	-4	PKC	3.7	0	9.9	1	1.2	0	0.377	0	3.104	0	8.238	0	2167	39	2.0
14638.7	10000	38.8089	94.5162	1	PKC	3.6	0	9.5	1	1.2	0	0.381	0	2.999	0	7.876	0	2132	46	2.0
14638.8	10000	38.8089	94.5154	8	PKC	3.6	0	9.3	1	1.2	0	0.384	0	3.081	0	8.012	0	2093	46	2.0
14638.9	10000	38.8089	94.5146	16	PKC	3.5	0	8.9	1	1.1	0	0.397	0	3.118	0	7.864	0	2073	45	2.0
14639.0	10000	38.8089	94.5138	23	PKC	3.2	0	8.8	1	1.1	0	0.377	0	2.873	-1	7.613	-1	2053	41	2.0
14639.1	10000	38.8089	94.5131	30	PKC	3.3	0	9.0	1	1.2	0	0.362	0	2.797	0	7.724	0	2049	49	2.0
14639.2	10000	38.8089	94.5123	39	PKC	3.2	0	9.3	1	1.1	0	0.343	0	2.778	0	8.107	0	2051	56	2.0
14639.3	10000	38.8089	94.5115	48	PKC	3.2	0	9.8	1	1.1	0	0.324	0	2.770	0	8.551	0	2057	59	2.0
14639.4	10000	38.8089	94.5107	52	PKC	3.4	0	10.2	1	1.2	0	0.330	0	2.938	0	8.893	0	2082	42	2.0
14639.5	10000	38.8089	94.5099	56	PKC	3.3	0	10.6	1	1.2	0	0.313	0	2.733	0	8.727	0	2114	25	2.0
14639.6	10000	38.8088	94.5092	62	PKC	3.5	0	10.4	1	1.2	0	0.340	0	2.761	0	8.127	0	2127	52	2.0
14639.7	10000	38.8089	94.5084	68	PKC	3.4	0	10.4	1	1.2	0	0.331	0	2.563	-1	7.736	0	2146	57	2.0
14639.8	10000	38.8088	94.5076	74	PKC	3.6	0	10.1	1	1.3	0	0.356	0	2.764	0	7.759	0	2158	55	2.0
14639.9	10000	38.8088	94.5068	79	PKC	3.5	0	10.3	1	1.4	0	0.345	0	2.509	-1	7.275	-1	2173	54	2.0
14640.0	10000	38.8088	94.5060	85	PKC	3.4	0	9.9	1	1.4	0	0.365	0	2.403	-1	6.581	-1	2175	41	2.0
14640.1	10000	38.8088	94.5052	91	PKC	3.4	0	9.9	1	1.4	0	0.377	0	2.464	-1	6.531	-1	2176	54	2.0
14640.2	10000	38.8088	94.5045	96	PKC	3.6	0	9.9	1	1.4	0	0.401	0	2.650	0	6.603	-1	2178	46	2.0
14640.3	10000	38.8088	94.5037	100	PKC	3.6	0	9.2	1	1.3	0	0.388	0	2.688	0	6.920	-1	2174	49	2.0
14640.4	10000	38.8088	94.5029	105	PKC	3.7	0	9.1	1	1.3	0	0.407	0	2.807	0	6.896	-1	2133	37	2.0
14640.5	10000	38.8088	94.5021	109	PKC	3.5	0	8.8	1	1.3	0	0.393	0	2.726	0	6.929	-1	2081	41	2.0
14640.6	10000	38.8088	94.5013	114	PKC	3.5	0	8.6	1	1.2	0	0.410	0	2.033	0	7.396	-1	2031	43	2.0

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14640.7	10000	38.8088	94.5005	120	PKC	3.6	0	8.8	0	1.1	0	0.405	1	3.176	0	7.839	0	2000	45	2.0
14640.8	10000	38.8088	94.4998	126	PKC	3.4	0	8.3	-1	1.1	0	0.410	1	2.996	0	7.304	-1	1970	50	2.0
14640.9	10000	38.8088	94.4990	132	PKC	3.3	0	8.2	-1	1.2	0	0.402	1	2.848	0	7.088	-1	1964	43	2.0
14641.0	10000	38.8088	94.4982	1[illegible]	PKC	3.1	0	8.4	-1	1.2	0	0.371	0	2.673	0	7.206	-1	1962	41	2.0
14641.1	10000	38.8088	94.4974	1[illegible]	PKC	3.0	0	8.7	-1	1.1	0	0.350	0	2.637	0	7.539	-1	2005	50	2.0
14641.2	10000	38.8088	94.4966	14[illegible]	KC	3.0	0	9.2	0	1.2	1	0.331	0	2.433	-1	7.347	-1	206[illegible]	33	2.0
14641.3	10000	38.8088	94.4959	141	KC	2.9	-1	9.2	0	1.3	1	0.314	-1	2.216	-1	7.053	-1	2093	50	2.0
14641.4	10000	38.8088	94.4951	140	PKC	2.7	-1	9.1	0	1.2	1	0.294	-1	2.143	-1	7.295	-1	2105	38	2.0
14641.5	10000	38.8088	94.4943	140	PKC	3.0	-1	9.4	0	1.2	1	0.315	-1	2.399	-1	7.623	-1	2121	39	2.0
14641.6	10000	38.8088	94.4935	141	PKC	2.8	-1	9.6	0	1.2	1	0.295	-1	2.285	-1	7.753	0	2130	55	2.1
14641.7	10000	38.8088	94.4927	143	PKC	2.8	-1	9.5	0	1.2	1	0.291	-1	2.247	-1	7.732	0	2142	44	2.1
14641.8	10000	38.8088	94.4919	144	PKC	2.9	-1	9.3	0	1.2	1	0.315	-1	2.361	-1	7.502	-1	2145	37	2.1
14641.9	10000	38.8088	94.4912	145	PKC	3.0	0	9.2	0	1.2	0	0.330	0	2.616	-1	7.937	0	2134	48	2.1
14642.0	10000	38.8088	94.4904	146	PKC	3.1	0	9.3	0	1.2	0	0.334	0	2.656	0	7.941	0	2156	52	2.1
14642.1	10000	38.8088	94.4896	146	PKC	2.9	-1	9.4	0	1.2	0	0.306	-1	2.375	-1	7.767	0	2162	45	2.1
14642.2	10000	38.8088	94.4888	147	PKC	2.6	-1	9.8	0	1.2	0	0.269	-1	2.156	-1	8.028	0	2162	47	2.1
14642.3	10000	38.8088	94.4880	147	PKC	2.7	-1	9.5	0	1.2	1	0.285	-1	2.181	-1	7.656	-1	2163	36	2.1
14642.4	10000	38.8088	94.4873	147	PKC	2.8	-1	9.6	0	1.2	0	0.289	-1	2.278	-1	7.893	0	2157	57	2.1
14642.5	10000	38.8088	94.4865	146	PKC	2.7	-1	10.1	1	1.2	0	0.265	-1	2.316	-1	8.737	0	2140	41	2.1
14642.6	10000	38.8088	94.4857	145	PKC	2.7	-1	10.0	1	1.2	0	0.267	-1	2.220	-1	8.308	0	2143	53	2.1
14642.7	10000	38.8088	94.4849	146	PKC	2.6	-1	9.9	1	1.2	1	0.264	-1	2.126	-1	8.041	0	2145	50	2.1
14642.8	10000	38.8088	94.4841	146	PKC	2.9	-1	10.0	1	1.3	1	0.286	-1	2.269	-1	7.928	0	2157	36	2.1
14642.9	10000	38.8088	94.4834	145	PKC	2.8	-1	9.9	1	1.3	1	0.286	-1	2.205	-1	7.721	0	2168	44	2.1
14643.0	10000	38.8088	94.4826	144	PKC	3.1	0	9.8	0	1.2	1	0.316	-1	2.505	-1	7.923	0	2152	46	2.1
14643.1	10000	38.8088	94.4818	144	PKC	3.4	0	9.9	0	1.2	0	0.339	0	2.755	0	8.127	0	2154	50	2.1
14643.2	10000	38.8088	94.4810	143	PKC	3.4	0	9.5	0	1.2	1	0.357	0	2.754	0	7.720	0	2170	50	2.1
14643.3	10000	38.8087	94.4802	142	PKC	3.3	0	9.7	0	1.2	0	0.341	0	2.721	0	7.972	0	2172	45	2.1
14643.4	10000	38.8087	94.4794	140	PKC	3.5	0	9.8	0	1.2	0	0.358	0	2.955	0	8.243	0	2160	41	2.1
14643.5	10000	38.8088	94.4787	139	PKC	3.6	0	9.7	0	1.2	0	0.372	0	2.992	0	8.050	0	2157	39	2.1
14643.6	10000	38.8087	94.4779	139	PKC	3.5	0	9.4	0	1.2	0	0.375	0	3.000	0	8.001	0	2156	45	2.1
14643.7	10000	38.8087	94.4771	139	PKC	3.4	0	9.7	0	1.2	0	0.351	0	2.869	0	8.163	0	2162	44	2.1
14643.8	10000	38.8087	94.4763	138	PKC	3.2	0	9.6	0	1.2	0	0.336	0	2.589	-1	7.703	-1	2160	45	2.1
14643.9	10000	38.8087	94.4755	136	PKC	3.1	0	9.8	0	1.2	0	0.315	0	2.387	-1	7.590	-1	2138	59	2.1
14644.0	10000	38.8087	94.4747	136	PKC	3.1	0	9.8	0	1.2	0	0.330	0	2.334	-1	7.082	-1	2121	37	2.1
14644.1	10000	38.8087	94.4740	137	PKC	3.1	0	9.7	0	1.2	0	0.340	0	2.460	-1	7.227	-1	2086	62	2.1
14644.2	10000	38.8087	94.4732	134	PKC	3.1	0	9.7	0	1.2	0	0.360	0	2.553	-1	7.101	-1	2058	52	2.2
14644.3	10000	38.8087	94.4724	129	PKC	2.9	-1	9.8	0	1.2	0	0.387	0	2.629	-1	6.795	-1	2009	47	2.2
14644.4	10000	38.8087	94.4716	126	PKC	2.9	-1	9.8	0	1.2	0	0.360	0	2.390	-1	6.638	-1	1973	45	2.2
14644.5	10000	38.8087	94.4708	125	PKC	3.0	-1	9.8	0	1.2	0	0.359	0	2.414	-1	6.719	-1	1959	37	2.2
14644.6	10000	38.8087	94.4700	125	PKC	3.1	-1	9.8	0	1.2	0	0.367	0	2.539	-1	6.912	-1	1969	50	2.2
14644.7	10000	38.8087	94.4693	124	PKC	3.1	-1	9.8	0	1.2	0	0.354	0	2.578	-1	7.274	-1	2004	38	2.2
14644.8	10000	38.8087	94.4685	121	PKC	2.8	-1	9.8	0	1.2	0	0.334	0	2.306	-1	6.895	-1	2044	49	2.2
14644.9	10000	38.8087	94.4677	115	PKC	2.7	-1	9.8	0	1.2	0	0.305	0	2.214	-1	7.264	-1	2080	42	2.2
14645.0	10000	38.8087	94.4669	111	PKC	2.7	-1	9.8	0	1.2	0	0.281	0	2.181	-1	7.750	-1	2134	45	2.2
14645.1	10000	38.8087	94.4661	108	PKC	2.8	-1	9.9	0	1.2	0	0.285	0	2.211	-1	7.769	-1	2152	52	2.2
14645.2	10000	38.8087	94.4654	104	PKC	2.8	-1	9.9	0	1.2	0	0.279	0	2.156	-1	7.720	-1	2160	45	2.2
14645.3	10000	38.8087	94.4646	100	PKC	2.9	-1	9.9	0	1.2	0	0.299	0	2.398	-1	7.751	-1	2149	52	2.2
14645.4	10000	38.8087	94.4638	96	PKC	3.0	-1	9.9	0	1.2	0	0.316	0	2.400	-1	8.029	-1	2106	47	2.2
14645.5	10000	38.8087	94.4630	91	PKC	3.0	-1	9.9	0	1.2	0	0.315	0	2.519	-1	7.983	-1	2075	42	2.2
14645.6	10000	38.8087	94.4622	86	PKC	3.0	-1	9.9	0	1.2	0	0.315	0	2.400	-1	7.622	-1	2047	53	2.2
14645.7	10000	38.8087	94.4614	81	CULTRL	3.0	-1	9.9	0	1.2	0	0.342	0	2.576	-1	7.540	-1	2011	33	2.2
14645.8	10000	38.8087	94.4607	76	CULTRL	3.1	999	8.3	999	1.2	999	0.373	999	2.646	999	7.091	999	1991	42	2.2

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14645.9	10000	38.8087	94.4599	72	CULTRL	3.3	999	8.2	999	1.1	999	0.404	999	2.888	999	7.142	999	1965	46	2.2
14646.0	10000	38.8087	94.4591	68	CULTRL	3.0	999	8.0	999	1.2	999	0.372	999	2.510	999	6.743	999	1948	56	2.2
14646.1	10000	38.8087	94.4583	63	CULTRL	3.0	999	7.5	999	1.2	999	0.393	999	2.495	999	6.341	999	1936	41	2.2
14646.2	10000	38.8087	94.4575	56	CULTRL	3.1	999	7.6	999	1.2	999	0.411	999	2.678	999	6.513	999	1917	48	2.2
14646.3	10000	38.8087	94.4568	48	CULTRL	3.3	999	7.5	999	1.1	999	0.446	999	2.944	999	6.600	999	1904	50	2.2
14646.4	10000	38.8087	94.4560	42	PKC	3.3	0	7.4	-2	1.2	0	0.439	1	2.818	0	6.415	-2	1910	48	2.2
14646.5	10000	38.8087	94.4552	35	PKC	3.2	0	7.7	-1	1.2	0	0.421	1	2.798	0	6.650	-1	1930	42	2.2
14646.6	10000	38.8087	94.4544	27	PKC	2.9	-1	7.9	-1	1.1	0	0.366	0	2.536	-1	6.931	-1	1946	43	2.2
14646.7	10000	38.8087	94.4536	18	PKC	3.1	0	8.3	-1	1.1	0	0.367	0	2.680	0	7.305	-1	1969	49	2.2
14646.8	10000	38.8087	94.4529	9	PKC	3.5	0	8.7	-1	1.1	0	0.402	1	3.077	0	7.654	-1	1993	53	2.2
14646.9	10000	38.8087	94.4521	0	PKC	3.3	0	8.9	0	1.1	0	0.372	0	2.902	0	7.794	0	2040	49	2.2
14647.0	10000	38.8087	94.4513	-8	PKC	3.4	0	9.1	0	1.2	0	0.373	0	2.903	0	7.789	0	2074	61	2.2
14647.1	10000	38.8086	94.4505	-16	PKC	3.6	1	8.9	0	1.1	0	0.403	1	3.201	0	7.942	0	2092	40	2.2
14647.2	10000	38.8087	94.4497	-23	PKC	3.4	0	9.1	0	1.1	0	0.372	0	2.952	0	7.933	0	2095	55	2.2
14647.3	10000	38.8086	94.4489	-31	PKC	3.5	0	9.2	0	1.2	0	0.379	0	2.943	0	7.756	0	2107	45	2.2
14647.4	10000	38.8086	94.4482	-38	PKC	3.5	0	9.0	0	1.2	0	0.386	0	2.888	0	7.485	-1	2108	42	2.2
14647.5	10000	38.8086	94.4474	-44	PKC	3.1	0	8.7	-1	1.3	1	0.356	0	2.466	-1	6.931	-1	2098	41	2.2
14647.6	10000	38.8086	94.4466	-51	PKC	2.9	-1	8.5	-1	1.3	1	0.344	0	2.308	-1	6.716	-1	2097	57	2.2
14647.7	10000	38.8086	94.4458	-63	PKC	2.7	-1	8.6	-1	1.3	1	0.308	-1	2.064	-1	6.694	-1	2084	43	2.2
14647.8	10000	38.8086	94.4450	-74	PKC	2.6	-1	8.8	0	1.4	1	0.292	-1	1.886	-2	6.460	-1	2087	62	2.2
14647.9	10000	38.8086	94.4442	-85	PKC	2.9	-1	8.8	0	1.3	1	0.328	0	2.191	-1	6.676	-1	2095	47	2.2
14648.0	10000	38.8086	94.4435	-96	PKC	3.1	0	8.7	0	1.3	1	0.359	0	2.346	-1	6.544	-1	2115	45	2.2
14648.1	10000	38.8086	94.4427	-106	PKC	3.1	0	8.9	0	1.4	1	0.355	0	2.300	-1	6.477	-1	2130	50	2.2
14648.2	10000	38.8086	94.4419	-118	PKC	3.3	0	9.3	0	1.3	1	0.349	0	2.441	-1	6.994	-1	2153	57	2.2
14648.3	10000	38.8086	94.4411	-130	PKC	3.2	0	9.6	0	1.3	1	0.331	0	2.354	-1	7.103	-1	2156	36	2.2
14648.4	10000	38.8086	94.4403	-142	PKC	3.2	0	9.9	0	1.3	1	0.321	0	2.397	-1	7.459	-1	2175	48	2.2
14648.5	10000	38.8086	94.4395	-154	PKC	3.2	0	9.9	0	1.3	1	0.327	0	2.437	-1	7.464	-1	2182	44	2.2
14648.6	10000	38.8086	94.4388	-166	PKC	3.2	0	9.6	0	1.3	1	0.327	0	2.395	-1	7.319	-1	2185	32	2.2
14648.7	10000	38.8086	94.4380	-177	PKC	3.1	0	9.4	0	1.3	1	0.332	0	2.383	-1	7.182	-1	2177	48	2.2
14648.8	10000	38.8086	94.4372	-189	PKC	3.0	0	9.4	0	1.3	1	0.312	-1	2.326	-1	7.446	-1	2172	57	2.2
14648.9	10000	38.8086	94.4364	-201	PKC	3.1	0	9.3	0	1.3	1	0.320	-1	2.301	-1	7.195	-1	2187	45	2.2
14649.0	10000	38.8086	94.4356	-212	PKC	3.4	0	9.4	0	1.3	1	0.333	0	2.398	-1	7.208	-1	2201	52	2.2
14649.1	10000	38.8086	94.4349	-224	PKC	3.4	0	9.4	0	1.3	1	0.367	0	2.636	-1	7.186	-1	2195	47	2.2
14649.2	10000	38.8086	94.4341	-235	PKC	3.1	0	9.4	0	1.3	1	0.330	0	2.393	-1	7.252	-1	2188	40	2.2
14649.3	10000	38.8086	94.4333	-246	PKC	3.2	0	9.4	0	1.3	1	0.330	0	2.485	-1	7.539	-1	2170	49	2.2
14649.4	10000	38.8086	94.4325	-257	PKC	3.3	0	9.9	0	1.3	1	0.334	0	2.571	-1	7.701	-1	2156	60	2.2
14649.5	10000	38.8086	94.4317	-267	PKC	3.3	0	9.2	0	1.3	1	0.326	0	2.632	-1	8.073	0	2148	45	2.2
14649.6	10000	38.8086	94.4309	-276	PKC	3.2	0	10.0	1	1.3	1	0.324	0	2.650	0	8.191	0	2119	46	2.2
14649.7	10000	38.8086	94.4302	-285	PKC	3.6	0	9.7	0	1.3	1	0.371	0	2.939	0	7.921	0	2105	57	2.2
14649.8	10000	38.8086	94.4294	-293	PKC	3.4	0	9.4	0	1.3	1	0.363	0	2.707	-1	7.456	-1	2103	45	2.2
14649.9	10000	38.8086	94.4286	-301	PKC	3.5	0	9.5	0	1.3	1	0.372	0	2.850	-1	7.666	-1	2113	48	2.2
14650.0	10000	38.8086	94.4278	-308	PKC	3.5	0	9.4	0	1.3	1	0.374	0	2.769	-1	7.403	-1	2125	48	2.2
14650.1	10000	38.8086	94.4270	-314	PKC	3.5	0	9.5	0	1.3	1	0.371	0	2.700	-1	7.282	-1	2130	37	2.2
14650.2	10000	38.8086	94.4263	-320	PKC	3.5	0	9.0	0	1.3	1	0.431	0	3.005	-1	6.974	-1	2140	49	2.2
14650.3	10000	38.8086	94.4255	-325	PKC	3.8	0	9.3	0	1.3	1	0.415	0	2.890	-1	6.963	-1	2153	47	2.2
14650.4	10000	38.8085	94.4247	-330	PKC	3.5	0	9.6	0	1.3	1	0.359	0	2.653	-1	7.395	-1	2143	45	2.2
14650.5	10000	38.8086	94.4239	-334	PKC	3.5	0	9.4	0	1.3	1	0.366	0	2.793	-1	7.635	-1	2141	58	2.2
14650.6	10000	38.8086	94.4231	-337	PKC	3.5	0	9.1	0	1.3	1	0.373	0	2.683	-1	7.198	-1	2133	56	2.2
14650.7	10000	38.8085	94.4223	-341	PKC	3.2	0	9.5	0	1.3	1	0.353	0	2.565	-1	7.261	-1	2128	47	2.2
14650.8	10000	38.8085	94.4216	-344	PKC	3.1	0	9.3	0	1.3	1	0.323	0	2.457	-1	7.597	-1	2140	53	2.2
14650.9	10000	38.8085	94.4208	-346	PKC	2.7	-1	9.3	0	1.2	1	0.291	-1	2.215	-1	7.611	-1	2119	48	2.2
14651.0	10000	38.8085	94.4200	-348	PKC	2.9	-1	9.3	0	1.2	1	0.315	-1	2.376	-1	7.534	-1	2122	48	2.2

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14651.1	10000	38.8085	94.4192	-350	PKC	3.0	-1	8.5	-1	1.2	1	0.350	0	2.411	-1	6.885	-1	2131	45	2.2
14651.2	10000	38.8085	94.4184	-351	PKC	2.9	-1	8.7	-1	1.3	1	0.332	0	2.297	-1	6.925	-1	2136	50	2.2
14651.3	10000	38.8085	94.4176	-352	PKC	2.9	-1	8.8	0	1.2	1	0.331	0	2.341	-1	7.083	-1	2136	51	2.2
14651.4	10000	38.8085	94.4169	-354	PKC	2.9	-1	8.5	-1	1.3	1	0.342	0	2.319	-1	6.787	-1	2135	35	2.2
14651.5	10000	38.8085	94.4161	-354	PKC	3.1	0	8.2	-1	1.3	1	0.381	0	2.458	-1	6.454	-1	2100	46	2.2
14651.6	10000	38.8085	94.4153	-356	PKC	3.2	0	8.1	-1	1.3	1	0.393	0	2.480	-1	6.309	-2	2096	37	2.2
14651.7	10000	38.8085	94.4145	-357	PKC	3.0	-1	8.1	-1	1.3	1	0.362	0	2.310	-1	6.372	-2	2094	54	2.2
14651.8	10000	38.8085	94.4137	-358	PKC	3.1	0	8.5	-1	1.3	1	0.364	0	2.419	-1	6.647	-1	2098	53	2.2
14651.9	10000	38.8085	94.4129	-360	PKC	3.3	0	8.3	-1	1.3	1	0.396	0	2.580	-1	6.516	-1	2097	42	2.2
14652.0	10000	38.8085	94.4122	-362	PKC	3.4	0	8.4	-1	1.2	0	0.408	1	2.820	0	6.909	-1	2100	41	2.2
14652.1	10000	38.8085	94.4114	-364	PKC	3.6	0	8.8	0	1.2	0	0.404	1	2.967	0	7.354	-1	2109	51	2.2
14652.2	10000	38.8085	94.4106	-366	PKC	3.2	0	9.3	0	1.2	0	0.346	0	2.754	0	7.954	0	2140	49	2.2
14652.3	10000	38.8085	94.4098	-369	PKC	3.2	0	9.9	0	1.2	0	0.323	0	2.652	0	8.216	0	2170	59	2.2
14652.4	10000	38.8085	94.4090	-371	PKC	3.2	0	10.0	0	1.2	0	0.321	0	2.688	0	8.368	0	2161	51	2.2
14652.5	10000	38.8085	94.4083	-375	PKC	3.0	-1	10.6	1	1.2	0	0.282	-1	2.476	-1	8.776	0	2168	44	2.2
14652.6	10000	38.8085	94.4075	-378	PKC	3.7	-1	10.8	1	1.2	0	0.249	-1	2.238	-1	9.000	1	2163	43	2.2
14652.7	10000	38.8085	94.4067	-382	PKC	3.5	-1	10.6	1	1.2	0	0.233	-2	2.031	-1	8.733	0	2154	38	2.2
14652.8	10000	38.8085	94.4059	-385	PKC	3.6	-1	10.7	1	1.2	1	0.244	-1	2.099	-1	8.606	0	2162	48	2.2
14652.9	10000	38.8085	94.4051	-389	PKC	3.8	-1	10.5	1	1.3	1	0.268	-1	2.209	-1	8.260	0	2160	62	2.2
14653.0	10000	38.8085	94.4044	-394	PKC	3.9	-1	10.5	1	1.2	1	0.276	-1	2.331	-1	8.435	0	2150	50	2.2
14653.1	10000	38.8085	94.4036	-399	PKC	3.9	-1	10.3	1	1.2	1	0.286	-1	2.364	-1	8.271	0	2154	46	2.2
14653.2	10000	38.8085	94.4028	-405	PKC	4.0	-1	9.9	0	1.2	0	0.299	-1	2.472	-1	8.268	0	2150	40	2.2
14653.3	10000	38.8085	94.4020	-410	PKC	4.1	0	10.0	1	1.2	0	0.313	-1	2.600	-1	8.321	0	2150	40	2.2
14653.4	10000	38.8085	94.4012	-416	PKC	4.2	0	10.1	1	1.2	0	0.321	0	2.660	0	8.296	0	2158	40	2.2
14653.5	10000	38.8085	94.4004	-421	PKC	4.2	0	10.2	1	1.2	0	0.319	-1	2.745	0	8.614	0	2165	40	2.2
14653.6	10000	38.8085	94.3997	-427	PKC	4.5	0	9.8	0	1.1	0	0.355	0	2.042	0	8.571	0	2166	44	2.2
14653.7	10000	38.8084	94.3989	-433	PKC	4.4	0	9.7	0	1.2	0	0.350	0	2.890	0	8.257	0	2170	49	2.2
14653.8	10000	38.8084	94.3981	-439	PKC	4.4	0	9.6	0	1.2	0	0.361	0	2.941	0	8.151	0	2159	59	2.2
14653.9	10000	38.8084	94.3973	-444	PKC	4.4	0	9.8	0	1.2	0	0.349	0	2.840	0	8.133	0	2146	46	2.2
14654.0	10000	38.8084	94.3965	-449	PKC	4.5	0	9.7	0	1.2	0	0.361	0	2.957	0	8.202	0	2139	51	2.2
14654.1	10000	38.8084	94.3957	-454	PKC	4.6	0	9.8	0	1.1	0	0.365	0	3.177	0	8.695	0	2120	37	2.2
14654.2	10000	38.8084	94.3949	-458	PKC	4.4	0	9.9	0	1.1	0	0.346	0	3.052	0	8.810	0	2094	53	2.2
14654.3	10000	38.8084	94.3941	-463	PKC	4.4	0	10.3	0	1.1	0	0.330	0	3.078	0	9.336	0	2089	50	2.2
14654.4	10000	38.8084	94.3932	-467	PKC	4.4	0	9.9	0	1.1	0	0.349	0	3.149	0	9.015	1	2077	33	2.2
14654.5	10000	38.8084	94.3924	-469	PKC	4.4	0	10.2	0	1.1	0	0.329	0	3.026	0	9.188	1	2085	45	2.2
14654.6	10000	38.8083	94.3916	-472	PKC	4.5	0	10.1	0	1.1	0	0.345	0	3.160	0	9.172	1	2098	33	2.2
14654.7	10000	38.8083	94.3908	-476	PKC	4.3	0	10.0	0	1.1	0	0.332	0	3.067	0	9.238	1	2103	49	2.2
14654.8	10000	38.8083	94.3900	-479	PKC	4.2	0	10.1	1	1.2	0	0.311	-1	2.730	0	8.781	0	2114	37	2.2
14654.9	10000	38.8083	94.3892	-481	PKC	4.0	-1	9.9	1	1.2	0	0.299	-1	2.463	-1	8.239	0	2129	44	2.2
14655.0	10000	38.8083	94.3884	-483	PKC	4.0	-1	9.5	1	1.2	0	0.311	-1	2.355	-1	7.561	-1	2134	41	2.2
14655.1	10000	38.8083	94.3876	-486	PKC	3.9	-1	9.7	1	1.2	0	0.294	-1	2.219	-1	7.538	-1	2133	39	2.2
14655.2	10000	38.8083	94.3868	-487	PKC	4.1	-1	9.3	1	1.2	0	0.335	0	2.482	-1	7.414	-1	2128	47	2.2
14655.3	10000	38.8083	94.3860	-490	PKC	4.0	-1	9.5	1	1.2	0	0.321	-1	2.471	-1	7.691	-1	2114	45	2.2
14655.4	10000	38.8083	94.3852	-492	PKC	4.0	-1	9.5	1	1.2	0	0.314	-1	2.320	-1	7.383	-1	2111	41	2.2
14655.5	10000	38.8083	94.3844	-494	PKC	4.2	-1	9.5	1	1.2	0	0.339	0	2.527	-1	7.449	-1	2131	49	2.2
14655.6	10000	38.8083	94.3836	-496	PKC	4.4	-1	9.4	1	1.2	0	0.356	0	2.616	-1	7.340	-1	2147	52	2.2
14655.7	10000	38.8082	94.3828	-497	PKC	4.2	-1	9.5	1	1.2	0	0.334	0	2.500	-1	7.491	-1	2160	45	2.2
14655.8	10000	38.8082	94.3820	-500	PKC	4.1	-1	9.6	1	1.2	0	0.323	-1	2.460	-1	7.625	-1	2175	51	2.2
14655.9	10000	38.8082	94.3812	-502	PKC	4.0	-1	9.6	1	1.2	0	0.299	-1	2.351	-1	7.854	0	2191	38	2.2
14656.0	10000	38.8082	94.3804	-504	PKC	3.9	-1	9.6	1	1.2	0	0.313	-1	2.417	-1	7.723	0	2202	57	2.2
14656.1	10000	38.8082	94.3796	-505	PKC	3.9	-1	9.8	1	1.2	0	0.299	-1	2.304	-1	7.714	0	2213	34	2.2
14656.2	10000	38.8082	94.3788	-506	PKC	2.8	-1	10.1	1	1.3	1	0.278	-1	2.208	-1	7.930	0	2212	2	2.2

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14656.3	10000	38.8082	94.3780	-508	PKC	2.9	-1	10.4	1	1.3	1	0.274	-1	2.273	-1	8.290	0	2206	49	2.2
14656.4	10000	38.8082	94.3772	-509	PKC	2.8	-1	10.4	1	1.3	1	0.270	-1	2.145	-1	7.952	0	2204	47	2.2
14656.5	10000	38.8082	94.3764	-511	PKC	3.1	0	10.4	1	1.3	1	0.297	-1	2.396	-1	8.054	0	2203	34	2.2
14656.6	10000	38.8081	94.3755	-512	PKC	3.1	0	10.4	1	1.3	1	0.297	-1	2.437	-1	8.219	0	2195	50	2.2
14656.7	10000	38.8081	94.3747	-514	PKC	3.0	0	10.5	1	1.3	1	0.287	-1	2.306	-1	8.048	0	2200	42	2.2
14656.8	10000	38.8081	94.3739	-514	PKC	3.1	0	10.4	1	1.3	1	0.295	-1	2.435	-1	8.260	0	2197	42	2.2
14656.9	10000	38.8081	94.3731	-515	PKC	3.1	0	10.2	1	1.3	1	0.302	-1	2.389	-1	7.923	0	2181	32	2.2
14657.0	10000	38.8081	94.3723	-516	PKC	2.9	-1	9.8	1	1.3	1	0.296	-1	2.252	-1	7.617	-1	2162	34	2.2
14657.1	10000	38.8081	94.3715	-516	PKC	3.0	-1	9.8	0	1.3	1	0.304	-1	2.377	-1	7.818	0	2155	52	2.2
14657.2	10000	38.8081	94.3707	-516	PKC	2.9	-1	9.9	0	1.3	1	0.292	-1	2.220	-1	7.598	-1	2163	47	2.2
14657.3	10000	38.8081	94.3699	-516	PKC	2.7	-1	9.7	0	1.4	1	0.279	-1	2.002	-1	7.176	-1	2172	44	2.2
14657.4	10000	38.8081	94.3691	-516	PKC	2.8	-1	9.2	0	1.4	1	0.304	-1	2.022	-1	6.644	-1	2164	57	2.2
14657.5	10000	38.8081	94.3683	-514	PKC	2.9	-1	8.9	0	1.4	2	0.327	0	2.021	-1	6.175	-2	2158	63	2.2
14657.6	10000	38.8080	94.3675	-514	PKC	2.9	-1	8.8	0	1.4	2	0.329	0	2.030	-1	6.178	-2	2161	48	2.2
14657.7	10000	38.8080	94.3667	-514	PKC	3.1	0	8.9	0	1.4	2	0.346	0	2.156	-1	6.228	-2	2180	44	2.2
14657.8	10000	38.8080	94.3659	-513	PKC	3.2	0	8.8	0	1.4	2	0.360	0	2.212	-1	6.135	-2	2176	43	2.2
14657.9	10000	38.8080	94.3651	-511	PKC	3.2	0	8.8	0	1.4	2	0.366	0	2.216	-1	6.052	-2	2170	52	2.2
14658.0	10000	38.8080	94.3643	-511	PKC	3.3	0	8.9	0	1.4	2	0.374	0	2.303	-1	6.159	-2	2174	41	2.2
14658.1	10000	38.8080	94.3635	-510	PKC	3.2	0	9.4	0	1.4	2	0.341	0	2.277	-1	6.669	-1	2200	49	2.2
14658.2	10000	38.8080	94.3627	-509	PKC	3.4	0	9.5	0	1.4	1	0.362	0	2.528	-1	6.977	-1	2209	40	2.2
14658.3	10000	38.8080	94.3619	-509	PKC	3.5	0	9.0	0	1.3	1	0.390	0	2.659	0	6.811	-1	2210	48	2.2
14658.4	10000	38.8079	94.3611	-509	PKC	3.6	0	8.9	0	1.3	1	0.400	1	2.676	0	6.692	-1	2221	44	2.2
14658.5	10000	38.8079	94.3603	-509	PKC	3.3	0	9.0	0	1.4	1	0.371	0	2.450	-1	6.605	-1	2229	63	2.2
14658.6	10000	38.8079	94.3595	-508	PKC	3.2	0	9.1	0	1.3	1	0.356	0	2.411	-1	6.775	-1	2233	42	2.2
14658.7	10000	38.8079	94.3587	-508	PKC	3.2	0	9.0	0	1.4	1	0.349	0	2.273	-1	6.510	-1	2225	41	2.2
14658.8	10000	38.8079	94.3578	-508	PKC	3.3	0	9.1	0	1.4	1	0.368	0	2.429	-1	6.596	-1	2213	62	2.2
14658.9	10000	38.8079	94.3570	-508	PP	3.0	-1	9.2	0	1.4	2	0.328	-1	2.192	-1	6.677	-1	2210	42	2.1
14659.0	10000	38.8079	94.3562	-508	PP	3.1	0	9.5	0	1.4	1	0.327	-1	2.278	-1	6.976	-1	2208	51	2.1
14659.1	10000	38.8079	94.3554	-508	PP	3.0	-1	9.5	0	1.3	1	0.315	-1	2.250	-1	7.131	-1	2173	55	2.1
14659.2	10000	38.8079	94.3546	-507	PP	3.1	0	9.5	0	1.4	1	0.331	-1	2.387	-1	7.210	-1	2166	54	2.1
14659.3	10000	38.8078	94.3538	-507	PP	3.4	0	9.5	0	1.4	1	0.376	-1	2.676	-1	7.118	-1	2158	54	2.1
14659.4	10000	38.8078	94.3530	-506	PP	3.6	0	9.3	0	1.4	2	0.403	-1	2.990	-1	7.412	-1	2150	42	2.1
14659.5	10000	38.8078	94.3522	-505	PP	3.8	0	9.3	0	1.3	2	0.455	-1	2.196	-1	7.057	-1	2129	47	2.1
14659.6	10000	38.8078	94.3514	-504	PP	4.0	0	9.1	0	1.3	2	0.491	-1	2.522	-1	7.169	-1	2110	45	2.1
14659.7	10000	38.8078	94.3506	-502	PP	4.1	0	8.9	0	1.3	2	0.514	-1	2.673	-1	7.143	-1	2088	58	2.1
14659.8	10000	38.8078	94.3498	-500	PP	4.3	0	8.8	0	1.3	2	0.548	-1	2.887	-1	7.096	-1	2085	55	2.1
14659.9	10000	38.8078	94.3490	-499	PP	4.4	0	8.7	0	1.3	2	0.568	-1	3.003	-1	7.043	-1	2056	47	2.1
14660.0	10000	38.8078	94.3482	-498	PP	4.0	0	8.7	0	1.3	2	0.531	-1	3.663	-1	6.898	-1	2017	46	2.1
14660.1	10000	38.8078	94.3474	-497	PP	3.9	0	8.5	0	1.3	2	0.546	-1	3.732	-1	6.837	-1	1980	45	2.1
14660.2	10000	38.8078	94.3466	-496	PP	3.5	0	8.2	0	1.3	2	0.450	-1	3.258	-1	7.237	-1	1974	46	2.1
14660.3	10000	38.8077	94.3458	-495	PP	3.4	0	8.1	0	1.3	2	0.430	-1	2.909	-1	6.761	-1	1997	41	2.1
14660.4	10000	38.8077	94.3450	-493	PP	3.1	0	8.0	0	1.3	2	0.388	-1	2.481	-1	6.479	-1	2023	44	2.1
14660.5	10000	38.8077	94.3442	-491	PP	3.2	0	8.0	0	1.3	2	0.382	-1	2.464	-1	6.456	-1	2058	42	2.1
14660.6	10000	38.8077	94.3434	-492	PP	3.2	0	8.0	0	1.3	2	0.377	-1	2.496	-1	6.616	-1	2085	49	2.1
14660.7	10000	38.8077	94.3426	-491	PP	3.2	0	8.0	0	1.3	2	0.401	-1	2.786	-1	6.955	-1	2133	35	2.1
14660.8	10000	38.8077	94.3418	-489	PP	3.2	0	8.0	0	1.3	2	0.371	-1	2.585	-1	6.969	-1	2183	47	2.1
14660.9	10000	38.8077	94.3410	-489	PP	3.2	0	8.0	0	1.3	2	0.378	-1	2.546	-1	6.739	-1	2206	63	2.1
14661.0	10000	38.8077	94.3401	-489	PP	3.2	0	8.0	0	1.3	2	0.378	-1	2.648	-1	6.999	-1	2196	47	2.1
14661.1	10000	38.8077	94.3394	-487	PP	3.2	0	8.0	0	1.3	2	0.419	-1	2.943	-1	7.027	-1	2200	50	2.1
14661.2	10000	38.8076	94.3385	-486	PP	3.2	0	8.0	0	1.3	2	0.441	-1	3.025	-1	7.866	-1	2197	54	2.1
14661.3	10000	38.8076	94.3377	-485	PKC	3.2	0	8.0	0	1.3	2	0.465	-1	3.195	-1	7.863	-1	2196	54	2.1
14661.4	10000	38.8076	94.3369	-483	PKC	3.2	0	8.0	0	1.3	2	0.423	-1	2.926	-1	6.911	-1	2195	49	2.1

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14661.5	10000	38.8076	94.3361	-481	PKC	3.8	1	9.5	0	1.3	1	0.399	0	2.887	0	7.243	-1	2195	47	2.1
14661.6	10000	38.8076	94.3353	-480	PKC	3.9	1	9.6	0	1.4	1	0.409	1	2.851	0	6.973	-1	2204	54	2.1
14661.7	10000	38.8076	94.3345	-478	PKC	3.8	1	9.9	0	1.4	1	0.388	0	2.751	0	7.087	-1	2223	53	2.1
14661.8	10000	38.8076	94.3337	-475	PKC	3.6	1	10.0	1	1.4	1	0.359	0	2.626	-1	7.312	-1	2227	39	2.1
14661.9	10000	38.8076	94.3329	-472	PKC	3.5	0	10.4	1	1.3	1	0.336	0	2.588	-1	7.699	-1	2226	41	2.1
14662.0	10000	38.8076	94.3321	-470	PKC	3.1	0	10.6	1	1.4	1	0.296	-1	2.253	-1	7.621	-1	2240	55	2.1
14662.1	10000	38.8075	94.3313	-467	PKC	3.1	0	10.3	1	1.4	1	0.300	-1	2.284	-1	7.620	-1	2238	43	2.1
14662.2	10000	38.8075	94.3305	-465	PKC	3.3	0	10.1	1	1.4	1	0.323	0	2.356	-1	7.283	-1	2240	46	2.1
14662.3	10000	38.8075	94.3297	-463	PKC	3.4	0	10.0	1	1.3	1	0.335	0	2.556	-1	7.619	-1	2216	39	2.1
14662.4	10000	38.8075	94.3289	-460	PKC	3.5	0	9.7	0	1.3	1	0.360	0	2.654	0	7.378	-1	2219	45	2.1
14662.5	10000	38.8075	94.3281	-457	PKC	3.4	0	9.7	0	1.4	1	0.346	0	2.414	-1	6.969	-1	2215	50	2.1
14662.6	10000	38.8075	94.3273	-455	PKC	3.2	0	9.6	0	1.4	2	0.331	0	2.217	-1	6.703	-1	2221	49	2.1
14662.7	10000	38.8075	94.3265	-454	PKC	3.3	0	10.0	0	1.4	2	0.332	0	2.309	-1	6.947	-1	2223	50	2.1
14662.8	10000	38.8075	94.3257	-451	PKC	3.2	0	10.3	1	1.5	2	0.308	-1	2.153	-1	6.982	-1	2229	54	2.1
14662.9	10000	38.8075	94.3249	-449	PKC	3.1	0	10.1	1	1.5	2	0.306	-1	2.123	-1	6.950	-1	2225	35	2.1
14663.0	10000	38.8074	94.3241	-448	PKC	3.0	0	10.3	1	1.5	2	0.293	-1	2.055	-1	7.010	-1	2243	47	2.1
14663.1	10000	38.8074	94.3233	-447	PKC	2.8	-1	10.4	1	1.5	2	0.267	-1	1.867	-2	7.001	-1	2214	42	2.1
14663.2	10000	38.8074	94.3224	-445	PKC	2.8	-1	10.5	1	1.4	2	0.269	-1	1.978	-1	7.345	-1	2203	41	2.1
14663.3	10000	38.8074	94.3217	-444	PKC	2.9	-1	11.0	1	1.4	1	0.260	-1	2.048	-1	7.885	0	2196	44	2.1
14663.4	10000	38.8074	94.3208	-443	PKC	2.7	-1	10.2	1	1.4	1	0.267	-1	1.993	-1	7.477	-1	2178	47	2.1
14663.5	10000	38.8074	94.3200	-442	PKC	2.7	-1	9.9	1	1.3	1	0.270	-1	1.992	-1	7.375	-1	2160	53	2.1
14663.6	10000	38.8074	94.3192	-441	PKC	2.8	-1	9.7	1	1.3	1	0.288	-1	2.162	-1	7.508	-1	2133	51	2.1
14663.7	10000	38.8074	94.3184	-440	PKC	2.6	-1	9.5	1	1.3	1	0.277	-1	2.075	-1	7.491	-1	2106	35	2.1
14663.8	10000	38.8074	94.3176	-439	PKC	2.7	-1	9.3	1	1.2	1	0.292	-1	2.218	-1	7.600	-1	2111	41	2.0
14663.9	10000	38.8074	94.3168	-438	PKC	2.9	-1	9.4	1	1.2	0	0.311	-1	2.380	-1	7.662	-1	2105	42	2.1
14664.0	10000	38.8073	94.3160	-437	PKC	2.9	-1	8.8	0	1.2	1	0.326	0	2.321	-1	7.121	-1	2099	42	2.1
14664.1	10000	38.8073	94.3152	-437	PKC	2.9	-1	9.2	0	1.3	1	0.319	0	2.330	-1	7.309	-1	2097	48	2.1
14664.2	10000	38.8073	94.3144	-436	PKC	3.0	-1	9.3	0	1.3	1	0.351	0	2.454	-1	6.987	-1	2107	50	2.1
14664.3	10000	38.8073	94.3136	-436	PKC	3.3	0	9.5	0	1.3	1	0.333	0	2.248	-1	6.746	-1	2126	48	2.1
14664.4	10000	38.8073	94.3128	-435	PKC	3.5	0	9.7	0	1.3	1	0.364	0	2.546	-1	6.994	-1	2126	60	2.1
14664.5	10000	38.8073	94.3120	-434	PKC	3.6	0	9.8	0	1.3	1	0.400	0	2.739	-1	6.841	-1	2136	47	2.1
14664.6	10000	38.8073	94.3112	-434	PKC	3.6	0	9.8	0	1.3	1	0.388	0	2.602	-1	6.709	-1	2144	44	2.1
14664.7	10000	38.8073	94.3104	-435	PKC	3.7	0	9.9	0	1.3	1	0.399	0	2.842	-1	7.125	-1	2152	32	2.1
14664.8	10000	38.8073	94.3096	-436	PKC	3.9	0	10.0	0	1.3	1	0.412	0	3.003	-1	7.295	-1	2167	54	2.1
14664.9	10000	38.8072	94.3088	-437	PP	4.0	0	10.1	0	1.3	1	0.430	0	3.341	-1	7.779	-1	2166	53	2.1
14665.0	10000	38.8072	94.3080	-437	PP	4.0	0	10.1	0	1.3	1	0.442	0	3.583	-1	8.109	-1	2166	39	2.1
14665.1	10000	38.8072	94.3072	-439	PP	4.0	0	10.2	0	1.3	1	0.442	0	3.387	-1	7.661	-1	2194	46	2.1
14665.2	10000	38.8072	94.3064	-441	PP	4.0	0	10.2	0	1.3	1	0.432	0	3.413	-1	7.906	-1	2210	48	2.1
14665.3	10000	38.8072	94.3056	-444	PP	4.0	0	10.1	0	1.3	1	0.454	0	3.397	-1	7.485	-1	2233	51	2.1
14665.4	10000	38.8072	94.3048	-446	PP	4.0	0	10.2	0	1.3	1	0.442	0	3.189	-1	7.220	-1	2223	46	2.1
14665.5	10000	38.8072	94.3040	-450	PP	4.0	0	10.1	0	1.3	1	0.464	0	3.285	-1	7.082	-1	2202	49	2.1
14665.6	10000	38.8072	94.3031	-452	PP	4.0	0	10.2	0	1.3	1	0.413	0	3.089	-1	7.009	-1	2176	40	2.1
14665.7	10000	38.8072	94.3024	-455	PP	4.0	0	10.2	0	1.3	1	0.435	0	3.197	-1	6.856	-1	2168	45	2.1
14665.8	10000	38.8071	94.3015	-460	PP	4.0	0	10.2	0	1.3	1	0.461	0	3.206	-1	6.956	-1	2140	49	2.1
14665.9	10000	38.8071	94.3007	-463	PP	4.0	0	10.2	0	1.3	1	0.408	0	3.225	-1	7.166	-1	2112	44	2.1
14666.0	10000	38.8071	94.2999	-466	PP	4.0	0	10.2	0	1.3	1	0.431	0	3.090	-1	7.158	-1	2080	45	2.1
14666.1	10000	38.8071	94.2991	-468	PP	4.0	0	10.2	0	1.3	1	0.417	0	3.045	-1	7.065	-1	2065	58	2.1
14666.2	10000	38.8071	94.2983	-469	PP	4.0	0	10.2	0	1.3	1	0.433	0	3.088	-1	7.188	-1	2046	58	2.1
14666.3	10000	38.8071	94.2975	-471	PP	4.0	0	10.2	0	1.3	1	0.436	0	3.091	-1	7.091	-1	2018	65	2.1
14666.4	10000	38.8071	94.2967	-472	PP	4.0	0	10.2	0	1.3	1	0.407	0	3.137	-1	7.678	-1	2015	55	2.1
14666.5	10000	38.8071	94.2959	-473	PP	4.0	0	10.2	0	1.3	1	0.445	0	3.507	-1	7.446	-2	2005	52	2.1
14666.6	10000	38.8070	94.2951	-473	PP	3.2	-1	7.1	-2	1.3	1	0.445	0	2.476	-1	5.558	-2	2005	52	2.1

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14666.7	10000	38.8070	94.2943	-473	PP	3.1	0	7.4	-1	1.3	1	0.416	0	2.431	-1	5.843	-2	1997	37	2.1
14666.8	10000	38.8070	94.2935	-474	PP	3.0	-1	7.6	-1	1.3	1	0.392	0	2.342	-1	5.978	-2	2001	39	2.1
14666.9	10000	38.8070	94.2927	-474	PP	2.9	-1	7.8	-1	1.3	1	0.376	0	2.296	-1	6.105	-2	2013	47	2.1
14667.0	10000	38.8070	94.2919	-473	PP	3.1	0	7.5	-1	1.3	1	0.408	0	2.375	-1	5.821	-2	2037	50	2.1
14667.1	10000	38.8070	94.2911	-473	PP	3.0	-1	8.1	-1	1.3	1	0.367	0	2.271	-1	6.185	-2	2062	44	2.1
14667.2	10000	38.8070	94.2903	-473	PP	2.9	-1	8.4	-1	1.3	1	0.346	0	2.168	-1	6.269	-2	2101	45	2.1
14667.3	10000	38.8070	94.2895	-472	PP	3.0	-1	8.7	0	1.3	1	0.349	0	2.266	-1	6.489	-1	2137	48	2.1
14667.4	10000	38.8070	94.2887	-471	PP	3.3	0	8.7	0	1.4	1	0.381	0	2.435	-1	6.390	-1	2177	43	2.1
14667.5	10000	38.8069	94.2879	-472	PP	3.5	0	8.2	-1	1.4	2	0.427	1	2.482	-1	5.806	-2	2212	50	2.1
14667.6	10000	38.8070	94.2871	-471	PP	3.6	1	8.5	0	1.5	2	0.420	0	2.445	-1	5.821	-2	2249	51	2.1
14667.7	10000	38.8069	94.2863	-470	PP	3.5	0	9.4	0	1.5	2	0.378	0	2.420	-1	6.402	-1	2291	36	2.1
14667.8	10000	38.8069	94.2856	-470	PP	3.4	0	9.2	0	1.5	2	0.369	0	2.268	-1	6.152	-2	2334	44	2.1
14667.9	10000	38.8069	94.2848	-469	PP	3.5	0	9.5	0	1.5	2	0.373	0	2.358	-1	6.318	-1	2328	54	2.1
14668.0	10000	38.8069	94.2840	-468	PP	3.8	1	9.7	0	1.4	2	0.389	0	2.594	-1	6.666	-1	2333	47	2.1
14668.1	10000	38.8069	94.2833	-468	PP	3.6	0	10.1	1	1.5	2	0.354	0	2.445	-1	6.899	-1	2332	56	2.1
14668.2	10000	38.8069	94.2825	-467	PP	3.4	0	10.6	1	1.4	2	0.322	-1	2.378	-1	7.374	-1	2321	41	2.1
14668.3	10000	38.8069	94.2818	-466	PP	3.4	0	10.5	1	1.4	2	0.326	-1	2.392	-1	7.345	-1	2313	42	2.1
14668.4	10000	38.8069	94.2810	-466	PKC	3.6	1	10.6	1	1.4	2	0.339	0	2.548	-1	7.512	-1	2312	59	2.1
14668.5	10000	38.8069	94.2802	-464	PKC	3.8	1	10.7	1	1.4	1	0.354	0	2.743	0	7.757	0	2307	54	2.1
14668.6	10000	38.8069	94.2795	-462	PKC	3.6	1	11.0	1	1.4	2	0.324	0	2.531	-1	7.801	0	2322	46	2.1
14668.7	10000	38.8069	94.2787	-461	PKC	3.3	0	10.9	1	1.5	2	0.307	-1	2.288	-1	7.448	-1	2334	41	2.1
14668.8	10000	38.8068	94.2779	-462	PKC	3.4	0	11.0	1	1.5	2	0.308	-1	2.230	-1	7.249	-1	2355	50	2.1
14668.9	10000	38.8068	94.2772	-462	PKC	3.2	0	10.8	1	1.6	2	0.296	-1	2.058	-1	6.941	-1	2371	45	2.1
14669.0	10000	38.8068	94.2764	-462	PKC	3.3	0	10.8	1	1.6	2	0.308	-1	2.137	-1	6.945	-1	2389	45	2.1
14669.1	10000	38.8068	94.2756	-461	PKC	3.1	0	10.5	1	1.6	2	0.298	-1	2.014	-1	6.756	-1	2372	45	2.1
14669.2	10000	38.8068	94.2749	-460	PKC	3.0	-1	10.5	1	1.6	3	0.286	-1	1.908	-2	6.669	-1	2364	40	2.1
14669.3	10000	38.8068	94.2741	-461	PKC	3.0	-1	10.4	1	1.5	2	0.291	-1	1.958	-1	6.726	-1	2349	42	2.1
14669.4	10000	38.8068	94.2733	-460	PKC	3.2	0	10.4	1	1.5	2	0.305	-1	2.071	-1	6.796	-1	2327	39	2.1
14669.5	10000	38.8068	94.2726	-459	PKC	3.0	-1	10.0	1	1.5	2	0.298	-1	2.033	-1	6.821	-1	2287	39	2.1
14669.6	10000	38.8068	94.2718	-460	PKC	3.3	0	10.4	1	1.5	2	0.331	-1	2.339	-1	7.059	-1	2256	37	2.1
14669.7	10000	38.8068	94.2711	-460	PKC	3.2	0	10.9	1	1.5	2	0.320	-1	2.376	-1	7.414	-1	2194	50	2.1
14669.8	10000	38.8068	94.2703	-459	PP	3.1	0	9.8	1	1.5	2	0.338	-1	2.402	-1	7.105	-1	2177	51	2.1
14669.9	10000	38.8068	94.2695	-459	PP	3.3	0	9.8	1	1.5	2	0.375	-1	2.552	-1	6.807	-1	2145	43	2.1
14670.0	10000	38.8067	94.2688	-458	PP	3.3	0	8.7	1	1.5	2	0.396	-1	2.628	-1	6.630	-1	2115	43	2.1
14670.1	10000	38.8067	94.2680	-457	PP	3.3	0	8.3	1	1.5	2	0.373	-1	2.490	-1	6.671	-1	2082	36	2.1
14670.2	10000	38.8067	94.2672	-457	PP	3.0	-1	7.3	0	1.5	2	0.417	0	2.771	-1	6.639	-1	2064	43	2.1
14670.3	10000	38.8067	94.2665	-458	PP	3.0	-1	7.8	0	1.5	2	0.369	-1	2.460	-1	6.662	-1	2044	48	2.1
14670.4	10000	38.8067	94.2657	-458	PP	3.1	0	7.9	0	1.5	2	0.391	-1	2.436	-1	6.232	-2	2055	41	2.1
14670.5	10000	38.8067	94.2649	-458	PP	3.1	0	7.9	1	1.5	2	0.394	-1	2.492	-1	6.333	-1	2044	46	2.1
14670.6	10000	38.8067	94.2642	-457	PP	3.1	0	8.0	1	1.5	2	0.387	-1	2.592	-1	6.690	-1	2031	46	2.1
14670.7	10000	38.8067	94.2634	-457	PP	3.2	0	8.0	1	1.5	2	0.402	-1	2.640	-1	6.565	-1	2028	43	2.1
14670.8	10000	38.8067	94.2626	-458	PP	3.4	0	8.3	1	1.5	2	0.430	0	2.719	0	6.328	-1	2044	49	2.1
14670.9	10000	38.8067	94.2619	-457	PP	3.4	0	8.4	1	1.5	2	0.392	-1	2.642	-1	6.747	-1	2053	39	2.1
14671.0	10000	38.8067	94.2611	-456	PP	3.5	1	8.5	1	1.5	2	0.426	-1	2.855	-1	6.703	-1	2079	50	2.1
14671.1	10000	38.8067	94.2604	-456	CULTRL	3.6	1	8.7	1	1.5	2	0.416	-1	2.891	0	6.950	-1	2109	49	2.1
14671.2	10000	38.8066	94.2596	-456	CULTRL	3.4	1	9.3	1	1.5	2	0.388	-1	2.737	-1	7.057	-1	2135	46	2.1
14671.3	10000	38.8066	94.2588	-456	CULTRL	3.4	1	9.3	1	1.5	2	0.371	-1	2.614	-1	7.040	-1	2191	45	2.1
14671.4	10000	38.8066	94.2581	-458	CULTRL	3.5	1	9.6	1	1.5	2	0.366	-1	2.772	-1	7.580	-1	2236	38	2.1
14671.5	10000	38.8066	94.2573	-458	CULTRL	3.7	1	10.1	1	1.5	2	0.366	-1	2.040	-1	8.301	-1	2273	47	2.1
14671.6	10000	38.8066	94.2565	-458	CULTRL	3.9	1	9.9	1	1.5	2	0.417	-1	2.219	-1	8.725	-1	2306	45	2.1
14671.7	10000	38.8066	94.2558	-458	CULTRL	4.2	1	9.9	1	1.5	2	0.424	-1	2.424	-1	8.079	-1	2325	51	2.1
14671.8	10000	38.8066	94.2550	-458	CULTRL	4.0	1	9.5	1	1.5	2	0.421	-1	2.343	-1	7.942	-1	2324	57	2.1

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14671.9	10000	38.8066	94.2542	-458	CULTRL	4.1	999	9.6	999	1.2	999	0.428	999	3.386	999	7.901	999	2318	44	2.0
14672.0	10000	38.8066	94.2535	-458	CULTRL	4.1	999	9.3	999	1.1	999	0.437	999	3.548	999	8.115	999	2291	49	2.0
14672.1	10000	38.8066	94.2527	-457	CULTRL	4.0	999	9.3	999	1.2	999	0.428	999	3.344	999	7.808	999	2258	30	2.0
14672.2	10000	38.8066	94.2520	-457	PP	3.8	1	8.7	0	1.2	0	0.437	1	3.213	0	7.351	-1	2220	43	2.0
14672.3	10000	38.8065	94.2512	-457	PP	3.6	1	9.4	0	1.2	0	0.388	0	3.085	0	7.942	0	2189	38	2.0
14672.4	10000	38.8065	94.2504	-455	PP	3.3	0	9.0	0	1.2	0	0.369	0	2.850	0	7.718	0	2164	51	2.0
14672.5	10000	38.8065	94.2497	-454	PP	3.4	0	9.3	0	1.1	0	0.364	0	2.987	0	8.195	0	2143	39	2.0
14672.6	10000	38.8065	94.2489	-453	PP	3.6	1	8.9	0	1.1	0	0.401	0	3.224	0	8.048	0	2121	50	2.0
14672.7	10000	38.8065	94.2481	-452	PP	3.9	1	8.7	0	1.1	0	0.448	1	3.396	0	7.572	-1	2117	35	2.0
14672.8	10000	38.8065	94.2474	-451	PP	4.0	1	8.7	0	1.1	0	0.462	1	3.480	1	7.540	-1	2118	38	2.0
14672.9	10000	38.8065	94.2466	-449	PP	4.1	2	8.6	0	1.2	0	0.483	1	3.584	1	7.417	-1	2131	57	2.0
14673.0	10000	38.8065	94.2458	-447	PP	4.3	2	8.2	-1	1.2	0	0.527	2	3.726	1	7.070	-1	2138	32	2.0
14673.1	10000	38.8065	94.2451	-445	PP	4.5	2	8.1	-1	1.2	0	0.555	2	3.807	1	6.865	-1	2142	45	2.0
14673.2	10000	38.8065	94.2443	-444	PP	4.3	2	7.6	-1	1.2	1	0.562	2	3.474	1	6.179	-2	2151	48	2.0
14673.3	10000	38.8065	94.2435	-442	PP	4.5	2	7.7	-1	1.3	1	0.580	2	3.465	1	5.971	-2	2172	54	2.0
14673.4	10000	38.8065	94.2428	-440	PP	4.0	1	8.1	-1	1.2	1	0.494	1	3.209	0	6.498	-1	2170	35	2.0
14673.5	10000	38.8064	94.2420	-438	PP	3.9	1	8.2	-1	1.2	0	0.479	1	3.281	0	6.847	-1	2163	50	2.0
14673.6	10000	38.8064	94.2413	-436	PP	3.8	1	8.8	0	1.2	0	0.433	1	3.292	0	7.605	-1	2141	51	2.0
14673.7	10000	38.8064	94.2405	-434	PP	3.5	0	9.0	0	1.1	0	0.388	0	3.044	0	7.836	0	2125	49	2.0
14673.8	10000	38.8064	94.2397	-432	PKC	3.4	0	8.8	0	1.1	0	0.388	0	3.070	0	7.913	0	2103	50	2.0
14673.9	10000	38.8064	94.2390	-429	PKC	3.8	1	8.9	0	1.0	-1	0.429	1	3.674	1	8.565	0	2076	39	2.0
14674.0	10000	38.8064	94.2382	-427	PKC	3.4	0	9.3	0	1.0	-1	0.370	0	3.587	1	9.701	1	2050	37	2.0
14674.1	10000	38.8064	94.2374	-425	PKC	3.5	0	9.1	0	1.0	-1	0.382	0	3.580	1	9.363	1	2039	46	2.0
14674.2	10000	38.8064	94.2367	-423	PKC	3.5	0	9.5	0	1.0	-1	0.369	0	3.507	1	9.496	1	2044	46	2.0
14674.3	10000	38.8064	94.2359	-421	PKC	3.3	0	9.3	0	1.0	-1	0.361	0	3.307	0	9.164	1	2051	62	2.0
14674.4	10000	38.8064	94.2352	-419	PKC	3.3	0	8.9	0	1.0	-1	0.371	0	3.169	0	8.548	0	2057	41	2.0
14674.5	10000	38.8064	94.2344	-416	PKC	3.1	0	9.1	0	1.1	0	0.342	0	2.930	0	8.571	0	2062	48	2.0
14674.6	10000	38.8064	94.2336	-414	PKC	2.8	-1	9.3	0	1.1	0	0.298	-1	2.450	-1	8.225	0	2056	41	2.0
14674.7	10000	38.8063	94.2328	-413	PKC	2.9	-1	9.2	0	1.2	0	0.319	-1	2.522	-1	7.903	0	2065	44	2.0
14674.8	10000	38.8064	94.2321	-412	PP	3.0	0	9.2	0	1.2	0	0.323	-1	2.513	-1	7.771	0	2077	48	2.0
14674.9	10000	38.8063	94.2313	-412	PP	3.1	0	9.9	0	1.2	0	0.345	0	2.567	-1	7.443	-1	2082	35	2.0
14675.0	10000	38.8063	94.2306	-411	PP	3.1	0	9.7	0	1.3	0	0.356	0	2.470	-1	6.930	-1	2099	38	2.0
14675.1	10000	38.8063	94.2298	-412	PP	3.4	0	9.1	0	1.2	0	0.374	0	2.727	-1	7.292	-1	2124	37	2.0
14675.2	10000	38.8063	94.2290	-413	PP	3.4	0	9.5	0	1.3	0	0.361	0	2.706	-1	7.490	-1	2156	49	2.0
14675.3	10000	38.8063	94.2283	-414	PP	3.5	0	9.1	0	1.2	0	0.383	0	2.845	-1	7.435	-1	2191	56	2.0
14675.4	10000	38.8063	94.2275	-416	PP	3.7	1	9.2	0	1.3	0	0.403	0	2.950	-1	7.326	-1	2215	43	2.0
14675.5	10000	38.8063	94.2267	-417	PP	3.7	1	9.4	0	1.3	0	0.391	0	2.835	-1	7.250	-1	2237	44	2.0
14675.6	10000	38.8063	94.2260	-420	PP	3.6	1	9.0	0	1.3	0	0.396	0	2.680	-1	6.761	-1	2231	47	2.0
14675.7	10000	38.8063	94.2252	-423	PP	3.4	0	9.4	0	1.3	0	0.368	0	2.579	-1	7.002	-1	2236	52	2.0
14675.8	10000	38.8063	94.2245	-426	PP	3.4	0	9.6	0	1.3	0	0.350	0	2.566	-1	7.325	-1	2232	64	2.0
14675.9	10000	38.8063	94.2237	-428	PP	3.6	0	9.2	0	1.3	0	0.396	0	2.763	-1	6.983	-1	2226	38	2.0
14676.0	10000	38.8063	94.2229	-431	PP	3.8	0	10.1	1	1.3	0	0.375	0	2.875	-1	7.668	0	2232	47	2.0
14676.1	10000	38.8062	94.2222	-434	PP	3.5	0	10.1	1	1.3	0	0.347	0	2.663	-1	7.668	0	2234	25	2.0
14676.2	10000	38.8062	94.2214	-439	PP	3.5	0	10.0	1	1.3	0	0.347	0	2.683	-1	7.728	0	2228	47	2.0
14676.3	10000	38.8062	94.2206	-443	PP	3.7	0	10.2	1	1.3	0	0.363	0	2.817	-1	7.762	0	2248	45	2.0
14676.4	10000	38.8062	94.2199	-443	PP	3.8	0	10.3	1	1.3	0	0.374	0	3.054	-1	8.161	0	2255	53	2.0
14676.5	10000	38.8062	94.2191	-443	PP	3.7	0	10.2	1	1.3	0	0.369	0	2.822	-1	7.649	0	2275	53	2.0
14676.6	10000	38.8062	94.2183	-445	PP	3.6	0	10.4	1	1.3	0	0.347	0	2.799	-1	8.072	0	2269	56	2.0
14676.7	10000	38.8062	94.2176	-446	PP	3.5	0	10.5	1	1.3	0	0.365	0	2.678	-1	7.339	-1	2253	59	2.0
14676.8	10000	38.8062	94.2168	-447	PP	3.5	0	10.6	1	1.3	0	0.366	0	2.661	-1	7.269	-1	2240	40	2.0
14676.9	10000	38.8062	94.2160	-449	PKC	3.4	0	10.7	1	1.3	0	0.346	0	2.593	-1	7.496	-1	2226	43	2.0
14677.0	10000	38.8062	94.2153	-450	PKC	3.2	0	10.2	1	1.3	1	0.313	-1	2.549	-1	8.130	0	2222	56	2.0

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14677.1	10000	38.8062	94.2145	-452	PKC	3.3	0	10.4	1	1.3	1	0.314	-1	2.540	-1	8.076	0	2205	45	2.0
14677.2	10000	38.8061	94.2137	-453	PKC	3.3	0	9.9	0	1.3	1	0.329	0	2.617	-1	7.951	0	2172	41	2.0
14677.3	10000	38.8061	94.2130	-454	PKC	3.3	0	9.7	0	1.3	1	0.341	0	2.516	-1	7.383	-1	2172	44	2.0
14677.4	10000	38.8061	94.2122	-455	PKC	3.5	0	9.6	0	1.3	1	0.360	0	2.617	-1	7.268	-1	2184	43	2.0
14677.5	10000	38.8061	94.2115	-455	PKC	3.5	0	9.9	0	1.3	1	0.354	0	2.763	0	7.811	0	2191	44	2.0
14677.6	10000	38.8061	94.2107	-454	PKC	3.8	1	9.5	0	1.3	1	0.395	0	2.963	0	7.505	-1	2189	44	2.0
14677.7	10000	38.8061	94.2099	-453	PKC	3.7	1	9.2	0	1.3	1	0.406	1	2.801	0	6.898	-1	2180	52	2.0
14677.8	10000	38.8061	94.2092	-452	PKC	3.5	0	8.6	-1	1.3	1	0.410	1	2.765	0	6.737	-1	2186	47	2.0
14677.9	10000	38.8061	94.2084	-450	PP	3.6	1	8.8	0	1.3	1	0.415	0	2.828	0	6.807	-1	2178	28	2.0
14678.0	10000	38.8061	94.2076	-448	PP	3.7	1	9.2	0	1.2	1	0.399	0	2.999	0	7.518	-1	2172	48	2.0
14678.1	10000	38.8061	94.2069	-444	PP	3.6	1	9.5	0	1.2	0	0.381	0	3.110	0	8.171	0	2150	54	2.0
14678.2	10000	38.8061	94.2061	-441	PP	3.9	1	9.2	0	1.1	0	0.418	0	3.375	0	8.071	0	2128	42	2.0
14678.3	10000	38.8060	94.2054	-437	PP	3.7	1	9.3	0	1.1	0	0.405	0	3.280	0	8.102	0	2127	43	2.0
14678.4	10000	38.8060	94.2046	-432	PP	4.1	1	8.9	0	1.0	0	0.458	1	3.927	1	8.580	0	2115	43	2.0
14678.5	10000	38.8060	94.2038	-427	PP	4.0	1	8.8	0	1.1	0	0.461	1	3.685	1	7.986	0	2101	58	2.0
14678.6	10000	38.8060	94.2030	-422	PP	3.9	1	9.1	0	1.1	0	0.434	1	3.723	1	8.571	0	2108	37	2.0
14678.7	10000	38.8060	94.2023	-417	PP	4.0	1	8.6	0	1.1	0	0.464	1	3.731	1	8.047	0	2105	43	2.0
14678.8	10000	38.8060	94.2015	-412	PP	3.7	1	9.0	0	1.1	0	0.408	0	3.274	0	8.016	0	2120	48	2.0
14678.9	10000	38.8060	94.2008	-406	PP	3.5	0	8.9	0	1.2	0	0.394	0	2.933	0	7.450	-1	2129	45	2.0
14679.0	10000	38.8060	94.2000	-401	PP	3.5	0	9.1	0	1.2	1	0.390	0	2.915	0	7.480	-1	2141	54	2.0
14679.1	10000	38.8060	94.1992	-396	PP	3.4	0	9.5	0	1.3	1	0.359	0	2.693	-1	7.498	-1	2157	51	2.0
14679.2	10000	38.8060	94.1985	-391	PP	3.5	0	9.5	0	1.2	1	0.369	0	2.846	0	7.704	0	2155	44	1.9
14679.3	10000	38.8060	94.1977	-386	PP	3.4	0	9.1	0	1.3	1	0.370	0	2.692	-1	7.277	-1	2137	48	1.9
14679.4	10000	38.8059	94.1969	-382	PP	3.3	0	9.5	0	1.3	1	0.349	0	2.566	-1	7.346	-1	2126	48	1.9
14679.5	10000	38.8059	94.1962	-378	PP	3.3	0	8.8	0	1.3	1	0.379	0	2.576	-1	6.804	-1	2101	41	1.9
14679.6	10000	38.8059	94.1954	-374	PP	3.4	0	8.6	0	1.3	1	0.397	0	2.728	0	6.864	-1	2096	40	1.9
14679.7	10000	38.8059	94.1947	-371	PP	3.4	0	8.7	0	1.3	1	0.388	0	2.707	0	6.971	-1	2090	43	1.9
14679.8	10000	38.8059	94.1939	-369	PP	3.2	0	8.6	0	1.3	1	0.387	0	2.556	-1	6.609	-1	2084	63	1.9
14679.9	10000	38.8059	94.1931	-366	PP	3.3	0	8.5	0	1.3	1	0.375	0	2.404	-1	6.412	-1	2088	49	1.9
14680.0	10000	38.8059	94.1924	-364	PP	3.1	0	8.5	-1	1.4	1	0.397	0	2.473	-1	6.225	-2	2107	42	1.9
14680.1	10000	38.8059	94.1916	-363	PP	3.0	0	8.4	0	1.4	1	0.376	0	2.272	-1	6.036	-2	2114	50	1.9
14680.2	10000	38.8059	94.1908	-362	PP	3.1	0	8.4	0	1.4	1	0.369	0	2.255	-1	6.120	-2	2125	45	1.9
14680.3	10000	38.8059	94.1901	-360	PP	3.0	0	8.3	0	1.4	1	0.327	0	2.103	-1	6.425	-2	2120	42	1.9
14680.4	10000	38.8059	94.1893	-360	PP	3.0	0	8.4	0	1.3	1	0.351	0	2.166	-1	6.169	-2	2096	45	1.9
14680.5	10000	38.8059	94.1885	-360	PP	3.0	0	8.3	0	1.3	1	0.349	0	2.264	-1	6.484	-1	2079	44	1.9
14680.6	10000	38.8058	94.1878	-361	PP	3.1	0	8.3	0	1.3	1	0.357	0	2.393	-1	6.707	-1	2077	52	1.9
14680.7	10000	38.8058	94.1870	-362	PP	3.1	0	8.3	0	1.3	1	0.355	0	2.386	-1	6.726	-1	2065	50	1.9
14680.8	10000	38.8058	94.1862	-363	PP	3.2	0	8.3	0	1.3	1	0.394	0	2.665	-1	6.765	-1	2076	51	1.9
14680.9	10000	38.8058	94.1855	-365	PP	3.4	0	8.4	0	1.3	1	0.429	0	2.922	-1	6.813	-1	2089	47	1.9
14681.0	10000	38.8058	94.1847	-367	PP	3.5	0	8.8	0	1.3	1	0.450	0	2.963	-1	6.588	-1	2121	41	1.9
14681.1	10000	38.8058	94.1840	-370	PP	3.6	0	8.9	0	1.3	1	0.436	0	2.879	-1	6.605	-1	2163	47	1.9
14681.2	10000	38.8058	94.1832	-373	PP	3.7	0	9.1	0	1.3	1	0.429	0	2.912	-1	6.783	-1	2179	38	1.9
14681.3	10000	38.8058	94.1824	-377	PP	3.8	0	9.3	0	1.3	1	0.430	0	3.006	-1	6.993	-1	2186	56	1.9
14681.4	10000	38.8058	94.1817	-381	PP	3.9	0	9.6	0	1.3	1	0.422	0	3.049	-1	7.221	-1	2197	52	1.9
14681.5	10000	38.8058	94.1809	-385	PP	4.0	0	9.8	0	1.3	1	0.421	0	3.034	-1	7.844	0	2189	43	1.9
14681.6	10000	38.8058	94.1801	-390	PP	4.1	0	9.9	0	1.3	1	0.409	0	3.061	-1	8.154	0	2178	44	1.9
14681.7	10000	38.8057	94.1794	-394	PP	4.2	0	9.9	0	1.3	1	0.413	0	3.133	-1	8.484	0	2151	42	1.9
14681.8	10000	38.8057	94.1786	-399	PP	4.3	0	9.9	0	1.3	1	0.402	0	3.298	-1	8.029	0	2110	35	1.9
14681.9	10000	38.8057	94.1778	-404	PP	4.4	0	9.9	0	1.3	1	0.400	0	3.302	-1	8.831	0	2105	46	1.9
14682.0	10000	38.8057	94.1771	-408	PP	4.5	0	9.9	0	1.3	1	0.362	0	3.130	-1	8.650	0	2077	54	1.9
14682.1	10000	38.8057	94.1763	-414	PP	4.6	0	9.9	0	1.3	1	0.362	0	3.298	-1	9.117	0	2067	33	1.9
14682.2	10000	38.8057	94.1756	-418	PP	4.4	0	9.9	0	1.3	1	0.342	0	3.105	-1	9.085	1	2065	41	1.9

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14682.3	10000	38.8057	94.1748	-424	PP	3.2	0	10.0	1	1.1	0	0.315	-1	2.940	0	9.333	1	2062	44	1.9
14682.4	10000	38.8057	94.1740	-429	PP	3.1	0	9.8	1	1.0	0	0.318	-1	3.005	0	9.444	1	2047	44	1.9
14682.5	10000	38.8057	94.1733	-434	PP	3.4	0	10.0	1	1.1	0	0.337	0	3.189	0	9.454	1	2051	48	1.9
14682.6	10000	38.8057	94.1725	-437	PP	3.2	0	9.9	1	1.0	0	0.325	-1	3.073	0	9.451	1	2039	50	1.9
14682.7	10000	38.8057	94.1717	-441	PP	3.5	0	9.9	1	1.0	0	0.354	0	3.388	0	9.564	1	2044	44	1.9
14682.8	10000	38.8056	94.1710	-444	PP	3.4	0	9.8	1	1.0	0	0.344	0	3.249	0	9.451	1	2040	31	1.9
14682.9	10000	38.8056	94.1702	-447	PP	3.3	0	9.4	0	1.0	-1	0.352	0	3.295	0	9.371	1	2020	45	1.9
14683.0	10000	38.8056	94.1694	-451	PP	3.6	1	9.1	0	1.0	-1	0.395	0	3.693	1	9.340	1	1994	41	1.9
14683.1	10000	38.8056	94.1687	-453	PP	3.6	0	8.8	0	1.0	-1	0.403	0	3.526	1	8.754	0	1991	54	1.9
14683.2	10000	38.8056	94.1679	-455	PP	3.5	0	8.7	0	1.0	-1	0.409	0	3.527	1	8.632	0	1985	45	1.8
14683.3	10000	38.8056	94.1671	-457	PP	3.6	1	8.5	0	1.0	-1	0.426	1	3.586	1	8.426	0	1983	51	1.8
14683.4	10000	38.8056	94.1663	-460	PP	3.7	1	8.2	-1	1.0	-1	0.448	1	3.664	1	8.186	0	1993	45	1.8
14683.5	10000	38.8056	94.1655	-461	PP	3.8	1	8.2	-1	1.0	0	0.461	1	3.638	1	7.887	0	2003	50	1.8
14683.6	10000	38.8056	94.1647	-463	PP	3.8	1	8.1	-1	1.1	0	0.475	1	3.516	1	7.399	-1	2027	42	1.8
14683.7	10000	38.8056	94.1639	-467	PP	3.8	1	8.3	-1	1.1	0	0.453	1	3.316	0	7.325	-1	2055	52	1.8
14683.8	10000	38.8056	94.1632	-470	PP	3.5	0	8.6	0	1.1	0	0.410	0	3.104	0	7.571	-1	2066	42	1.8
14683.9	10000	38.8056	94.1624	-473	PP	3.3	0	8.8	0	1.1	0	0.379	0	2.952	0	7.779	0	2092	43	1.8
14684.0	10000	38.8056	94.1616	-476	PP	3.5	0	9.2	0	1.1	0	0.381	0	3.126	0	8.203	0	2103	51	1.8
14684.1	10000	38.8056	94.1608	-479	PP	3.3	0	9.6	0	1.1	0	0.345	0	2.933	0	8.497	0	2101	49	1.8
14684.2	10000	38.8056	94.1600	-482	PP	3.3	0	9.5	0	1.1	0	0.350	0	3.072	0	8.782	0	2111	48	1.8
14684.3	10000	38.8056	94.1592	-485	PP	3.3	0	9.8	1	1.1	0	0.334	0	3.079	0	9.206	1	2116	44	1.8
14684.4	10000	38.8056	94.1584	-488	PP	3.1	0	9.9	1	1.0	0	0.309	-1	2.923	0	9.450	1	2127	47	1.8
14684.5	10000	38.8056	94.1576	-492	PP	3.2	0	10.3	1	1.0	0	0.310	-1	3.040	0	9.796	1	2137	47	1.8
14684.6	10000	38.8057	94.1569	-495	PP	3.3	0	9.9	1	1.1	0	0.339	0	3.174	0	9.369	1	2118	45	1.8
14684.7	10000	38.8057	94.1561	-499	PP	3.3	0	9.8	1	1.1	0	0.340	0	3.174	0	9.343	1	2116	47	1.8
14684.8	10000	38.8057	94.1553	-503	PP	3.4	0	9.9	1	1.0	0	0.349	0	3.320	0	9.523	1	2119	48	1.8
14684.9	10000	38.8057	94.1545	-506	PP	3.3	0	9.8	1	1.0	0	0.339	0	3.229	0	9.513	1	2112	48	1.8
14685.0	10000	38.8057	94.1537	-510	PP	3.4	0	9.9	1	1.0	0	0.344	0	3.287	0	9.567	1	2106	45	1.8
14685.1	10000	38.8057	94.1529	-513	PP	3.6	0	9.4	1	1.1	0	0.383	0	3.328	0	8.693	1	2102	41	1.8
14685.2	10000	38.8057	94.1521	-516	PP	3.8	0	9.2	1	1.1	0	0.417	0	3.627	0	8.693	1	2098	58	1.8
14685.3	10000	38.8057	94.1513	-520	PP	3.7	1	9.1	1	1.1	0	0.404	0	3.381	0	8.360	1	2113	47	1.8
14685.4	10000	38.8057	94.1506	-524	PP	3.8	1	8.7	1	1.1	0	0.432	0	3.461	0	8.012	1	2115	47	1.8
14685.5	10000	38.8057	94.1498	-528	PP	3.7	1	8.6	1	1.1	0	0.436	0	3.382	0	7.759	1	2113	29	1.8
14685.6	10000	38.8057	94.1490	-531	PP	3.7	1	8.8	1	1.1	0	0.417	0	3.343	0	8.009	1	2100	39	1.8
14685.7	10000	38.8057	94.1482	-535	PP	3.7	1	8.7	1	1.1	0	0.421	0	3.316	0	7.870	1	2093	41	1.8
14685.8	10000	38.8057	94.1474	-538	PP	3.4	1	8.9	1	1.0	0	0.379	0	3.226	0	8.504	1	2072	38	1.8
14685.9	10000	38.8057	94.1466	-541	PP	3.1	1	8.8	1	1.0	0	0.352	0	2.967	0	8.420	1	2055	50	1.8
14686.0	10000	38.8057	94.1458	-543	PP	3.1	0	9.0	1	1.0	0	0.346	0	3.161	0	9.124	1	2021	45	1.8
14686.1	10000	38.8057	94.1450	-546	PP	3.0	-1	9.4	1	1.0	0	0.319	-1	3.083	0	9.675	1	2005	49	1.8
14686.2	10000	38.8057	94.1442	-549	PP	3.5	0	9.6	1	1.0	0	0.364	0	3.609	0	9.929	1	2004	40	1.8
14686.3	10000	38.8057	94.1435	-552	PP	3.6	1	9.4	1	1.0	0	0.382	0	3.667	0	9.608	1	2001	33	1.8
14686.4	10000	38.8057	94.1427	-553	PP	3.6	1	9.6	1	1.0	0	0.374	0	3.747	0	10.022	1	2015	46	1.8
14686.5	10000	38.8057	94.1419	-555	PP	3.9	1	9.6	1	1.0	0	0.405	0	4.008	0	9.891	1	2027	46	1.8
14686.6	10000	38.8057	94.1411	-557	PP	4.1	1	9.9	1	1.0	0	0.419	0	4.178	0	9.980	1	2038	37	1.8
14686.7	10000	38.8057	94.1403	-560	PP	4.4	2	9.3	1	1.0	0	0.471	0	4.202	0	8.926	1	2070	40	1.8
14686.8	10000	38.8057	94.1395	-561	PP	4.4	2	9.0	1	1.1	0	0.489	0	4.031	0	8.243	1	2092	39	1.8
14686.9	10000	38.8057	94.1387	-563	PP	4.0	2	9.2	1	1.1	0	0.441	0	3.659	0	8.301	1	2086	43	1.8
14687.0	10000	38.8057	94.1379	-566	PP	4.2	2	9.1	1	1.1	0	0.470	0	3.694	0	7.857	0	2095	41	1.8
14687.1	10000	38.8057	94.1372	-568	PP	4.1	2	9.3	1	1.2	-1	0.508	0	3.587	0	7.057	-1	2085	52	1.8
14687.2	10000	38.8057	94.1364	-570	PP	4.2	2	9.1	1	1.2	-1	0.504	0	3.486	0	6.912	-1	2093	64	1.7
14687.3	10000	38.8057	94.1356	-572	PP	4.1	2	9.0	1	1.2	-1	0.512	0	3.307	0	6.456	-1	2098	35	1.7
14687.4	10000	38.8057	94.1348	-573	PP	3.9	1	8.3	-1	1.2	0	0.471	1	3.273	0	6.943	-1	2088	68	1.7

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
14687.5	10000	38.8057	94.1340	-574	PP	3.8	1	8.1	-1	1.2	1	0.464	1	3.105	0	6.694	-1	2093	42	1.7
14687.6	10000	38.8057	94.1332	-575	PP	3.9	1	8.0	-1	1.3	1	0.493	1	3.150	0	6.396	-1	2114	50	1.7
14687.7	10000	38.8057	94.1324	-576	PP	3.7	1	8.3	-1	1.3	1	0.449	1	2.939	0	6.540	-1	2129	55	1.7
14687.8	10000	38.8057	94.1316	-576	PP	3.7	1	9.1	0	1.3	1	0.403	0	2.829	0	7.019	-1	2129	46	1.7
14687.9	10000	38.8057	94.1309	-577	PP	3.5	0	8.7	0	1.3	1	0.403	0	2.699	-1	6.690	-1	2121	51	1.7
14688.0	10000	38.8057	94.1301	-577	PP	3.5	0	8.7	0	1.3	1	0.397	0	2.638	-1	6.654	-1	2130	33	1.7
14688.1	10000	38.8057	94.1293	-577	PP	3.5	0	9.1	0	1.3	1	0.380	0	2.586	-1	6.799	-1	2135	51	1.7
14688.2	10000	38.8057	94.1285	-577	PP	3.5	0	9.3	0	1.3	1	0.377	0	2.713	0	7.193	-1	2122	49	1.7
14688.3	10000	38.8057	94.1277	-576	PP	3.2	0	9.2	0	1.3	1	0.350	0	2.557	-1	7.302	-1	2102	40	1.7
14688.4	10000	38.8057	94.1269	-575	PP	3.3	0	9.3	0	1.2	1	0.353	0	2.651	-1	7.509	-1	2079	48	1.7
14688.5	10000	38.8057	94.1261	-575	PP	3.3	0	8.8	0	1.2	1	0.372	0	2.689	-1	7.227	-1	2079	53	1.7
14688.6	10000	38.8057	94.1253	-574	PP	3.4	0	9.2	0	1.3	1	0.372	0	2.733	0	7.351	-1	2083	41	1.7
14688.7	10000	38.8057	94.1246	-574	PP	3.5	0	9.1	0	1.2	1	0.381	0	2.829	0	7.426	-1	2069	50	1.7
14688.8	10000	38.8057	94.1238	-573	PP	3.4	0	9.0	0	1.2	1	0.375	0	2.783	0	7.428	-1	2066	60	1.7
14688.9	10000	38.8057	94.1230	-572	PP	3.4	0	9.1	0	1.2	1	0.372	0	2.738	0	7.363	-1	2065	55	1.7
14689.0	10000	38.8057	94.1222	-572	PP	3.4	0	9.2	0	1.2	1	0.368	0	2.750	0	7.469	-1	2059	56	1.7
14689.1	10000	38.8057	94.1214	-571	PP	3.2	0	9.0	0	1.2	1	0.355	0	2.659	-1	7.488	-1	2053	48	1.7
14689.2	10000	38.8057	94.1206	-571	PP	3.2	0	9.6	0	1.2	1	0.336	0	2.608	-1	7.765	0	2050	47	1.7
14689.3	10000	38.8057	94.1198	-571	PP	3.0	-1	10.0	1	1.2	0	0.301	-1	2.568	-1	8.547	0	2028	52	1.7
14689.4	10000	38.8057	94.1190	-570	PP	3.1	0	10.1	1	1.2	0	0.303	-1	2.614	-1	8.638	0	2024	45	1.7
14689.5	10000	38.8057	94.1183	-570	PP	3.0	-1	10.1	1	1.2	0	0.300	-1	2.594	-1	8.645	0	2022	46	1.7
14689.6	10000	38.8057	94.1175	-569	PP	3.0	-1	10.3	1	1.1	0	0.294	-1	2.656	-1	9.026	1	2020	47	1.7
14689.7	10000	38.8057	94.1167	-568	PP	3.3	0	10.1	1	1.1	0	0.329	0	2.958	0	8.980	1	2029	47	1.8
14689.8	10000	38.8057	94.1159	-567	PP	3.6	1	10.2	1	1.2	0	0.351	0	3.104	0	8.831	0	2048	50	1.8
14689.9	10000	38.8057	94.1151	-567	PP	3.8	1	9.9	1	1.1	0	0.384	0	3.386	0	8.808	0	2061	50	1.8
14690.0	10000	38.8057	94.1143	-567	PP	3.9	1	9.7	1	1.1	0	0.406	0	3.475	1	8.552	0	2089	35	1.8
14690.1	10000	38.8058	94.1135	-566	PP	3.8	1	9.9	1	1.1	0	0.380	0	3.305	0	8.687	0	2098	45	1.8
14690.2	10000	38.8058	94.1127	-564	PP	3.8	1	9.9	1	1.1	0	0.386	0	3.341	0	8.664	0	2099	38	1.8
14690.3	10000	38.8058	94.1119	-564	PP	3.8	1	9.7	1	1.2	0	0.387	0	3.245	0	8.381	0	2098	45	1.8
14690.4	10000	38.8058	94.1112	-563	PP	3.4	0	9.6	1	1.2	0	0.353	0	2.780	0	7.883	0	2099	51	1.8
14690.5	10000	38.8058	94.1104	-562	PP	3.0	-1	9.6	1	1.2	0	0.308	-1	2.476	-1	8.039	0	2079	40	1.8
14690.6	10000	38.8058	94.1096	-561	PP	2.5	-1	9.7	1	1.2	0	0.262	-1	2.122	-1	8.088	0	2062	52	1.8
14690.7	10000	38.8058	94.1088	-561	PP	2.6	-1	9.7	1	1.2	0	0.266	-1	2.093	-1	7.883	0	2049	36	1.8
14690.8	10000	38.8058	94.1080	-559	PP	2.6	-1	9.6	1	1.2	0	0.273	-1	2.161	-1	7.910	0	2048	44	1.8
14690.9	10000	38.8058	94.1072	-558	PP	2.7	-1	9.8	1	1.2	0	0.280	-1	2.225	-1	7.947	0	2038	38	1.8
14691.0	10000	38.8058	94.1064	-559	PP	2.8	-1	9.9	1	1.2	0	0.287	-1	2.405	-1	8.369	0	2043	36	1.8
14691.1	10000	38.8058	94.1056	-562	PP	3.1	0	10.0	1	1.1	0	0.308	-1	2.782	-1	9.047	0	2033	45	1.8
14691.2	10000	38.8058	94.1049	-563	PP	3.3	0	9.8	1	1.1	0	0.340	-1	3.163	-1	9.302	0	2034	42	1.8
14691.3	10000	38.8058	94.1041	-564	PP	3.5	0	9.5	1	1.1	0	0.369	-1	3.361	-1	9.116	0	2017	51	1.8
14691.4	10000	38.8058	94.1033	-565	PP	3.5	0	9.4	1	1.1	0	0.368	-1	3.389	-1	9.209	0	2012	52	1.8
14691.5	10000	38.8058	94.1025	-565	PP	3.4	0	9.1	1	1.1	0	0.376	-1	3.356	-1	9.021	0	2004	52	1.8
14691.6	10000	38.8058	94.1017	-566	PP	3.2	0	8.8	1	1.1	0	0.377	-1	3.294	-1	8.734	0	2002	46	1.8
14691.7	10000	38.8058	94.1009	-567	PP	2.9	0	8.4	1	1.2	0	0.380	-1	3.009	-1	7.913	0	1994	42	1.8
14691.8	10000	38.8058	94.1001	-568	PP	2.9	0	8.4	1	1.2	0	0.349	-1	2.583	-1	7.405	-1	2000	47	1.8
14691.9	10000	38.8058	94.0993	-570	PP	3.0	0	8.4	1	1.2	0	0.353	-1	2.395	-1	6.783	-1	2019	53	1.8
14692.0	10000	38.8058	94.0986	-571	PP	3.0	0	8.4	1	1.3	0	0.360	-1	2.325	-1	6.458	-2	2029	50	1.8
14692.1	10000	38.8058	94.0978	-569	PP	3.0	0	8.4	1	1.3	0	0.354	-1	2.208	-1	6.230	-2	2044	40	1.8
14692.2	10000	38.8058	94.0970	-571	PP	3.1	0	8.4	1	1.3	0	0.362	-1	2.232	-1	6.171	-2	2062	42	1.8
14692.3	10000	38.8058	94.0962	-573	PP	3.1	0	8.4	1	1.3	0	0.366	-1	2.292	-1	6.261	-2	2068	43	1.8
14692.4	10000	38.8058	94.0954	-572	PP	3.1	0	8.4	1	1.3	0	0.368	-1	2.337	-1	6.343	-2	2080	35	1.8
14692.5	10000	38.8058	94.0946	-572	PP	3.1	0	8.4	1	1.3	0	0.404	-1	2.452	-1	6.068	-2	2089	40	1.8
14692.6	10000	38.8058	94.0938	-572	PP	3.1	0	8.4	1	1.3	0	0.370	-1	2.450	-1	6.630	-1	2083	35	1.8

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
14692.7	10000	38.8058	94.0930	-571	PP	3.0	-1	8.9	0	1.2	1	0.342	0	2.450	-1	7.154	-1	2095	45	1.8
14692.8	10000	38.8058	94.0923	-571	PP	3.3	0	9.5	0	1.2	0	0.343	0	2.731	0	7.972	0	2084	52	1.9
14692.9	10000	38.8058	94.0915	-571	PP	3.0	-1	9.5	0	1.2	0	0.319	-1	2.647	-1	8.299	0	2069	52	1.9
14693.0	10000	38.8058	94.0907	-571	PP	3.0	-1	9.5	0	1.2	0	0.312	-1	2.541	-1	8.147	0	2069	46	1.9
14693.1	10000	38.8058	94.0899	-570	PM	3.1	0	9.3	0	1.2	1	0.340	0	2.635	-1	7.757	-1	2076	34	1.9
14693.2	10000	38.8058	94.0891	-569	PM	3.2	0	9.4	0	1.2	1	0.339	0	2.742	-1	8.093	-1	2069	48	1.9
14693.3	10000	38.8058	94.0883	-568	PM	3.4	0	9.3	0	1.1	0	0.366	0	3.045	0	8.310	0	2060	43	1.9
14693.4	10000	38.8058	94.0875	-565	PM	3.5	0	9.4	0	1.2	1	0.371	0	3.019	0	8.147	-1	2078	56	1.9
14693.5	10000	38.8058	94.0867	-565	PM	3.2	0	9.2	0	1.2	1	0.350	0	2.737	-1	7.818	-1	2084	50	1.9
14693.6	10000	38.8058	94.0859	-566	PM	3.5	0	9.6	0	1.2	1	0.362	0	2.938	0	8.123	-1	2089	53	1.9
14693.7	10000	38.8058	94.0852	-567	PM	3.5	0	9.6	0	1.2	1	0.364	0	2.962	0	8.138	-1	2100	54	1.9
14693.8	10000	38.8058	94.0844	-566	PM	3.3	0	10.0	1	1.2	1	0.328	0	2.734	-1	8.348	0	2097	57	1.9
14693.9	10000	38.8058	94.0836	-566	PM	3.2	0	10.6	1	1.2	1	0.300	-1	2.581	-1	8.613	0	2105	38	1.9
14694.0	10000	38.8058	94.0828	-566	PM	3.2	0	10.2	1	1.3	1	0.312	-1	2.514	-1	8.052	-1	2111	46	1.9
14694.1	10000	38.8058	94.0820	-565	PM	3.3	0	10.4	1	1.2	1	0.314	-1	2.737	-1	8.706	0	2102	44	1.9
14694.2	10000	38.8058	94.0812	-565	PM	3.5	0	10.1	1	1.2	1	0.342	0	2.889	0	8.438	0	2099	30	1.9
14694.3	10000	38.8058	94.0804	-565	PM	3.3	0	10.0	1	1.2	1	0.330	0	2.724	-1	8.248	0	2116	46	1.9
14694.4	10000	38.8058	94.0796	-564	PM	3.4	0	10.2	1	1.2	1	0.336	0	2.879	0	8.582	0	2125	43	1.9
14694.5	10000	38.8058	94.0789	-563	PM	3.5	0	10.4	1	1.1	0	0.340	0	3.081	0	9.069	0	2112	38	1.9
14694.6	10000	38.8058	94.0781	-561	PM	3.5	0	9.9	1	1.1	0	0.350	0	3.132	0	8.938	0	2098	41	1.9
14694.7	10000	38.8058	94.0773	-560	PM	3.2	0	9.9	0	1.1	0	0.329	0	3.002	0	9.125	0	2093	41	1.9
14694.8	10000	38.8058	94.0765	-560	PM	3.3	0	9.5	0	1.1	0	0.348	0	2.882	0	8.271	0	2079	39	1.9
14694.9	10000	38.8058	94.0757	-558	PM	3.1	0	9.7	0	1.2	1	0.321	-1	2.615	-1	8.151	-1	2080	45	1.9
14695.0	10000	38.8058	94.0749	-557	PM	3.2	0	9.6	0	1.2	1	0.336	0	2.673	-1	7.954	-1	2087	36	1.9
14695.1	10000	38.8058	94.0741	-556	PM	3.1	0	9.4	0	1.2	1	0.332	0	2.494	-1	7.514	-1	2089	34	1.9
14695.2	10000	38.8058	94.0733	-554	PM	3.1	0	9.5	0	1.3	1	0.322	0	2.385	-1	7.399	-1	[illegible]	51	1.9
14695.3	10000	38.8058	94.0726	-553	PM	3.2	0	9.9	0	1.3	2	0.327	0	2.413	-1	7.379	-1	2138	49	1.9
14695.4	10000	38.8058	94.0718	-551	PM	3.1	0	10.0	1	1.4	2	0.311	-1	2.284	-1	7.347	-1	2162	46	1.9
14695.5	10000	38.8058	94.0710	-549	PM	3.2	0	9.8	1	1.4	2	0.326	0	2.324	-1	7.141	-1	2194	42	1.9
14695.6	10000	38.8058	94.0702	-547	PM	3.4	0	10.1	1	1.4	2	0.333	0	2.514	-1	7.552	-1	2193	50	1.9
14695.7	10000	38.8058	94.0694	-545	PM	3.1	0	10.1	1	1.3	2	0.305	-1	2.370	-1	7.771	-1	2172	60	1.9
14695.8	10000	38.8058	94.0686	-542	PM	3.3	0	10.1	1	1.3	2	0.312	-1	2.599	-1	8.331	0	2162	47	1.9
14695.9	10000	38.8058	94.0678	-541	PM	3.4	0	10.1	1	1.2	2	0.319	-1	2.738	-1	8.583	0	2165	54	1.9
14696.0	10000	38.8058	94.0670	-539	PM	3.4	0	10.5	1	1.2	2	0.326	-1	2.834	-1	8.705	0	2141	40	1.9
14696.1	10000	38.8058	94.0663	-537	PM	3.5	0	10.6	1	1.2	2	0.340	-1	3.033	-1	8.914	0	2117	38	1.9
14696.2	10000	38.8058	94.0655	-534	PM	3.3	0	10.4	1	1.2	2	0.314	-1	2.805	-1	8.928	0	2078	42	1.9
14696.3	10000	38.8058	94.0647	-533	PM	3.6	0	10.3	1	1.2	2	0.327	-1	2.919	-1	8.937	0	2064	50	1.9
14696.4	10000	38.8058	94.0639	-531	PM	3.4	0	10.1	1	1.1	2	0.364	-1	3.197	-1	8.782	0	2068	54	1.9
14696.5	10000	38.8058	94.0631	-528	PM	3.4	0	9.9	1	1.1	2	0.351	-1	2.994	-1	8.538	0	2072	41	1.9
14696.6	10000	38.8058	94.0623	-527	PM	3.4	0	9.7	1	1.1	2	0.358	-1	3.084	-1	8.607	0	2074	46	1.9
14696.7	10000	38.8059	94.0615	-525	PM	3.3	0	9.5	1	1.1	2	0.342	-1	3.032	-1	8.873	0	2073	49	1.9
14696.8	10000	38.8058	94.0607	-523	PM	3.3	0	9.8	1	1.1	2	0.340	-1	2.995	-1	8.811	0	2078	49	1.9
14696.9	10000	38.8058	94.0599	-522	PM	3.3	0	9.9	1	1.1	2	0.340	-1	3.018	-1	8.865	0	2090	40	1.9
14697.0	10000	38.8059	94.0592	-520	PM	3.2	0	9.9	1	1.1	2	0.324	-1	2.791	-1	8.623	0	2110	34	1.9
14697.1	10000	38.8059	94.0584	-519	PM	3.4	0	9.9	1	1.1	2	0.311	-1	2.801	-1	8.614	0	2109	36	1.9
14697.2	10000	38.8059	94.0576	-517	PM	3.4	0	9.9	1	1.1	2	0.334	-1	3.138	-1	8.399	0	2104	46	1.9
14697.3	10000	38.8059	94.0568	-515	PM	3.5	0	9.9	1	1.1	2	0.344	-1	3.114	-1	8.044	0	2107	40	1.9
14697.4	10000	38.8059	94.0561	-514	PM	3.6	0	9.9	1	1.1	2	0.363	-1	3.227	-1	8.877	0	2122	46	1.9
14697.5	10000	38.8058	94.0553	-511	PM	3.5	0	10.1	1	1.1	2	0.353	-1	3.156	-1	8.934	0	2126	40	1.9
14697.6	10000	38.8058	94.0545	-509	PM	3.6	0	10.2	1	1.1	2	0.355	-1	3.325	-1	8.426	0	2133	49	1.9
14697.7	10000	38.8058	94.0538	-507	PM	3.7	1	10.4	1	1.1	2	0.355	-1	3.288	-1	8.530	0	2141	32	1.9
14697.8	10000	38.8058	94.0530	-505	PM	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14697.9	10000	38.8058	94.0523	-502	PM	3.1	0	10.1	1	1.2	1	0.311	-1	2.647	-1	8.508	0	2148	48	2.0
14698.0	10000	38.8058	94.0515	-499	PM	2.8	-1	10.3	1	1.2	1	0.271	-1	2.319	-1	8.569	0	2144	37	2.0
14698.1	10000	38.8058	94.0507	-496	PM	2.8	-1	10.5	1	1.2	1	0.271	-1	2.430	-1	8.967	0	2135	38	2.0
14698.2	10000	38.8058	94.0500	-493	PM	3.1	0	10.2	1	1.1	0	0.301	-1	2.708	-1	8.988	0	2120	43	2.0
14698.3	10000	38.8058	94.0492	-489	PM	2.9	-1	10.6	1	1.1	0	0.278	-1	2.679	-1	9.622	1	2118	35	2.0
14698.4	10000	38.8058	94.0485	-485	PM	3.1	0	10.2	1	1.0	0	0.307	-1	3.057	0	9.960	1	2086	43	2.0
14698.5	10000	38.8058	94.0477	-481	PM	3.0	-1	10.3	1	1.0	-1	0.294	-1	3.110	0	10.577	1	2081	38	2.0
14698.6	10000	38.8058	94.0469	-476	PM	3.6	1	10.4	1	0.9	-1	0.348	0	3.900	1	11.197	2	2080	39	2.0
14698.7	10000	38.8058	94.0462	-472	PM	3.6	1	10.3	1	0.9	-1	0.348	0	4.147	2	11.902	2	2055	46	1.9
14698.8	10000	38.8058	94.0454	-467	PM	3.5	0	10.5	1	0.9	-1	0.330	0	3.926	1	11.883	2	2042	48	1.9
14698.9	10000	38.8058	94.0447	-461	PM	3.2	0	10.7	1	0.9	-1	0.302	-1	3.560	1	11.773	2	2045	40	1.9
14699.0	10000	38.8058	94.0439	-455	PM	3.2	0	10.1	1	1.0	-1	0.320	-1	3.320	0	10.359	1	2046	54	1.9
14699.1	10000	38.8058	94.0431	-450	PM	3.1	0	10.0	1	1.0	0	0.307	-1	2.958	0	9.640	1	2062	42	1.9
14699.2	10000	38.8057	94.0424	-445	PM	3.1	0	9.7	0	1.1	0	0.321	-1	2.755	-1	8.572	0	2064	42	1.9
14699.3	10000	38.8057	94.0416	-439	PM	2.8	-1	9.9	0	1.2	1	0.286	-1	2.404	-1	8.417	0	2068	42	1.9
14699.4	10000	38.8057	94.0409	-433	PM	2.9	-1	9.6	0	1.2	1	0.301	-1	2.342	-1	7.775	-1	2086	45	1.9
14699.5	10000	38.8057	94.0401	-427	PM	2.9	-1	9.2	0	1.3	1	0.316	-1	2.259	-1	7.161	-1	2088	51	1.9
14699.6	10000	38.8057	94.0393	-420	PM	2.9	-1	9.0	0	1.3	2	0.325	0	2.183	-1	6.710	-2	2080	39	1.9
14699.7	10000	38.8057	94.0386	-413	PM	3.1	0	9.3	0	1.3	1	0.328	0	2.375	-1	7.243	-1	2078	40	1.9
14699.8	10000	38.8057	94.0378	-405	PM	3.2	0	9.3	0	1.3	2	0.345	0	2.418	-1	7.010	-1	2086	54	1.9
14699.9	10000	38.8057	94.0371	-398	PM	3.2	0	9.3	0	1.3	1	0.344	0	2.495	-1	7.256	-1	2078	63	1.9
14700.0	10000	38.8057	94.0363	-389	PM	3.1	0	9.1	0	1.3	1	0.342	0	2.468	-1	7.209	-1	2074	29	1.9
14700.1	10000	38.8057	94.0355	-380	PM	3.2	0	9.3	0	1.3	1	0.347	0	2.555	-1	7.370	-1	2068	57	1.9
14700.2	10000	38.8057	94.0348	-371	PM	3.2	0	9.3	0	1.2	1	0.346	0	2.570	-1	7.435	-1	2081	53	1.9
14700.3	10000	38.8057	94.0340	-362	PM	3.3	0	9.8	0	1.2	1	0.336	0	2.708	-1	8.067	-1	2103	40	1.9
14700.4	10000	38.8057	94.0333	-353	PM	3.1	0	9.5	0	1.3	1	0.327	0	2.475	-1	7.566	-1	2102	44	1.9
14700.5	10000	38.8057	94.0325	-344	PM	3.1	0	9.5	0	1.2	1	0.332	0	2.657	-1	7.999	-1	2109	53	1.9
14700.6	10000	38.8057	94.0317	-333	PM	2.9	-1	9.7	0	1.2	1	0.302	-1	2.425	-1	8.024	-1	2112	29	1.9
14700.7	10000	38.8057	94.0310	-323	PM	3.1	0	9.2	0	1.2	1	0.334	0	2.505	-1	7.495	-1	2117	40	1.9
14700.8	10000	38.8057	94.0302	-312	PM	3.2	0	8.9	0	1.2	1	0.358	0	2.655	-1	7.410	-1	2122	47	1.9
14700.9	10000	38.8056	94.0294	-300	PM	3.3	0	9.0	0	1.2	1	0.363	0	2.797	-1	7.704	-1	2116	45	1.9
14701.0	10000	38.8056	94.0287	-288	PM	3.2	0	8.5	0	1.2	1	0.378	0	2.766	-1	7.308	-1	2104	47	1.9
14701.1	10000	38.8056	94.0279	-277	PM	3.4	0	8.2	-1	1.2	1	0.413	0	2.939	-1	7.117	-1	2105	38	1.9
14701.2	10000	38.8056	94.0272	-264	PM	3.2	0	8.1	-1	1.1	1	0.392	0	2.741	-1	6.992	-1	2074	41	1.9
14701.3	10000	38.8056	94.0264	-252	PM	3.6	1	7.6	-2	1.1	1	0.469	0	3.186	-1	6.793	-1	2049	44	1.9
14701.4	10000	38.8056	94.0257	-239	PM	3.6	1	8.1	-1	1.1	1	0.451	0	3.252	-1	7.208	-1	2038	47	1.9
14701.5	10000	38.8056	94.0249	-227	PM	3.4	0	7.9	-1	1.1	1	0.435	0	3.085	-1	7.096	-1	2023	48	1.9
14701.6	10000	38.8056	94.0241	-215	PM	3.7	1	8.1	-1	1.2	1	0.455	0	3.176	-1	6.987	-1	2024	56	1.9
14701.7	10000	38.8056	94.0234	-202	PM	3.8	1	8.2	-1	1.2	1	0.465	0	3.240	-1	6.963	-1	2030	46	1.9
14701.8	10000	38.8056	94.0226	-189	PM	3.7	1	8.5	-1	1.2	1	0.441	0	3.076	-1	6.982	-1	2032	44	1.9
14701.9	10000	38.8056	94.0219	-177	PM	3.9	1	8.5	-1	1.2	1	0.455	0	3.231	-1	7.101	-1	2046	39	1.9
14702.0	10000	38.8056	94.0211	-165	PM	3.7	1	8.9	-1	1.2	1	0.417	0	2.989	-1	7.164	-1	2073	46	1.9
14702.1	10000	38.8056	94.0203	-153	PM	3.5	1	8.8	0	1.2	1	0.398	0	2.866	-1	7.203	-1	2067	30	1.9
14702.2	10000	38.8056	94.0196	-140	PM	3.7	1	9.0	0	1.3	1	0.409	0	2.907	-1	7.112	-1	2084	45	1.9
14702.3	10000	38.8056	94.0188	-127	PM	3.3	1	8.6	0	1.3	1	0.379	0	2.541	-1	6.708	-2	2084	39	1.9
14702.4	10000	38.8056	94.0181	-114	PM	3.2	1	8.8	0	1.3	1	0.363	0	2.508	-1	6.915	-1	2080	36	1.9
14702.5	10000	38.8056	94.0173	-100	PM	3.3	1	9.0	0	1.3	1	0.354	0	2.512	-1	7.103	-1	2069	46	1.9
14702.6	10000	38.8056	94.0165	-88	PM	3.1	0	9.2	0	1.4	1	0.335	0	2.332	-1	6.956	-1	2072	58	1.9
14702.7	10000	38.8055	94.0158	-75	PM	3.0	-1	9.0	0	1.4	1	0.334	0	2.229	-1	6.670	-2	2065	40	1.9
14702.8	10000	38.8055	94.0150	-62	PM	3.0	-1	9.0	0	1.4	1	0.334	0	2.183	-1	6.530	-2	2062	42	1.9
14702.9	10000	38.8055	94.0143	-51	PM	3.0	-1	8.9	0	1.4	1	0.331	0	2.178	-1	6.588	-2	2050	52	1.9
14703.0	10000	38.8055	94.0135	-40	PM	3.2	0	9.3	0	1.4	2	0.343	0	2.326	-1	6.782	-1	2043	47	1.9

LINE 630 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
14703.1	10000	38.8055	94.0127	-30	PM	3.1	0	9.0	0	1.3	2	0.338	0	2.317	-1	6.850	-1	2050	44	1.8
14703.2	10000	38.8055	94.0120	-21	PM	3.1	0	9.1	0	1.3	2	0.341	0	2.356	-1	6.907	-1	2064	40	1.8
14703.3	10000	38.8055	94.0112	-12	PM	3.2	0	9.0	0	1.3	2	0.358	0	2.426	-1	6.772	-2	2082	54	1.8
14703.4	10000	38.8055	94.0105	-4	PM	3.2	0	9.1	0	1.3	2	0.352	0	2.442	-1	6.930	-1	2108	46	1.8
14703.5	10000	38.8055	94.0097	2	PM	3.0	-1	8.9	-1	1.3	1	0.338	0	2.299	-1	6.808	-1	2122	48	1.8
14703.6	10000	38.8055	94.0089	9	PM	2.9	-1	9.1	0	1.3	1	0.317	-1	2.212	-1	6.968	-1	2134	52	1.8
14703.7	10000	38.8055	94.0082	14	PM	2.9	-1	9.1	0	1.3	1	0.325	0	2.310	-1	7.111	-1	2139	43	1.8
14703.8	10000	38.8055	94.0074	18	PM	3.1	0	8.9	0	1.3	1	0.350	0	2.470	-1	7.049	-1	2135	42	1.8
14703.9	10000	38.8055	94.0067	20	PM	3.1	0	8.9	0	1.3	1	0.353	0	2.507	-1	7.1[illegible]4	-1	2132	46	1.8
14704.0	10000	38.8055	94.0059	22	PM	3.1	0	8.8	-1	1.3	1	0.352	0	2.478	-1	7.03[illegible]	-1	2127	62	1.8
14704.1	10000	38.8055	94.0051	23	PM	3.2	0	9.1	0	1.2	1	0.350	0	2.592	-1	7.411	-1	2114	53	1.8
14704.2	10000	38.8055	94.0044	24	PM	3.4	0	9.2	0	1.2	1	0.375	0	2.834	0	7.559	-1	2130	53	1.9
14704.3	10000	38.8055	94.0036	24	PM	3.6	1	9.2	0	1.2	1	0.386	1	2.957	0	7.658	-1	2133	39	1.9
14704.4	10000	38.8055	94.0029	24	PM	3.3	0	9.4	0	1.2	1	0.348	0	2.641	-1	7.587	-1	2129	44	1.9
14704.5	10000	38.8054	94.0021	22	PM	2.9	-1	9.5	0	1.3	1	0.304	-1	2.256	-1	7.422	-1	2125	53	1.9
14704.6	10000	38.8054	94.0013	22	PM	2.7	-1	9.6	0	1.3	1	0.284	-1	2.103	-2	7.402	-1	2119	48	1.9
14704.7	10000	38.8054	94.0006	20	PM	2.5	-2	9.8	0	1.3	1	0.253	-2	1.945	-2	7.685	-1	2103	55	1.9

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15513.9	10000	38.7185	95.9994	-601	PA	2.7	0	11.5	1	1.4	0	0.237	-1	1.969	0	8.309	1	2207	48	1.8
15513.8	10000	38.7185	95.9986	-601	PA	2.9	0	11.5	1	1.4	0	0.253	-1	2.102	0	8.323	1	2200	48	1.8
15513.7	10000	38.7185	95.9979	-600	PA	3.0	1	11.7	2	1.4	0	0.257	-1	2.161	0	8.402	1	2208	45	1.8
15513.6	10000	38.7185	95.9971	-601	PA	2.9	0	11.1	1	1.4	0	0.263	0	2.115	0	8.032	1	2209	52	1.8
15513.5	10000	38.7185	95.9963	-600	PA	2.8	0	10.8	1	1.4	0	0.262	0	2.093	0	7.992	1	2219	47	1.8
15513.4	10000	38.7185	95.9956	-599	PW	3.0	0	11.0	1	1.4	1	0.275	-1	2.219	0	8.056	0	2214	45	1.8
15513.3	10000	38.7185	95.9948	-599	PW	3.1	0	10.8	1	1.4	1	0.285	0	2.239	0	7.847	0	2218	55	1.8
15513.2	10000	38.7185	95.9940	-598	PW	3.3	1	10.0	0	1.3	1	0.326	0	2.461	0	7.551	-1	2219	53	1.8
15513.1	10000	38.7185	95.9933	-598	PW	3.3	1	9.9	0	1.3	1	0.332	1	2.472	0	7.444	-1	2234	55	1.8
15513.0	10000	38.7186	95.9925	-598	PW	3.2	1	9.8	0	1.3	1	0.328	1	2.469	0	7.525	-1	2218	52	1.8
15512.9	10000	38.7186	95.9917	-596	PW	3.4	1	10.2	0	1.3	0	0.335	1	2.672	0	7.970	0	2207	49	1.8
15512.8	10000	38.7186	95.9910	-595	PW	3.4	1	10.4	0	1.3	0	0.331	1	2.683	0	8.100	0	2213	46	1.8
15512.7	10000	38.7186	95.9902	-595	PW	3.3	1	10.1	0	1.3	0	0.325	0	2.562	0	7.875	0	2212	54	1.8
15512.6	10000	38.7186	95.9894	-594	PW	3.1	0	10.2	0	1.3	0	0.305	0	2.431	0	7.971	0	2205	48	1.8
15512.5	10000	38.7186	95.9887	-593	PW	3.2	0	10.8	1	1.3	0	0.292	0	2.439	0	8.368	0	2206	45	1.8
15512.4	10000	38.7186	95.9879	-593	PW	2.8	0	10.9	1	1.3	0	0.257	-1	2.181	-1	8.482	0	2179	60	1.8
15512.3	10000	38.7186	95.9871	-591	PW	2.7	0	10.5	1	1.3	1	0.261	-1	2.105	-1	8.070	0	2183	41	1.8
15512.2	10000	38.7186	95.9864	-590	PW	2.7	-1	10.5	1	1.3	1	0.260	-1	2.051	-1	7.902	0	2191	50	1.8
15512.1	10000	38.7186	95.9856	-590	PW	2.8	0	10.6	1	1.3	1	0.264	-1	2.085	-1	7.903	0	2176	58	1.8
15512.0	10000	38.7186	95.9848	-588	PW	2.9	0	10.4	1	1.3	0	0.275	-1	2.198	-1	8.008	0	2172	52	1.8
15511.9	10000	38.7187	95.9841	-587	PW	3.4	1	10.6	1	1.3	1	0.320	0	2.544	0	7.954	0	2191	44	1.8
15511.8	10000	38.7187	95.9833	-586	PW	3.4	1	10.6	1	1.3	1	0.323	0	2.621	0	8.120	0	2191	55	1.8
15511.7	10000	38.7187	95.9825	-585	PW	3.4	1	10.7	1	1.3	1	0.317	0	2.637	0	8.310	0	2196	48	1.8
15511.6	10000	38.7187	95.9818	-583	PW	3.5	1	10.9	1	1.3	0	0.320	0	2.774	1	8.678	1	2192	57	1.8
15511.5	10000	38.7187	95.9810	-582	PW	3.5	1	11.1	1	1.2	0	0.313	0	2.811	1	8.973	1	2185	58	1.8
15511.4	10000	38.7187	95.9802	-579	PW	3.5	1	10.9	1	1.2	0	0.321	0	2.913	1	9.069	1	2181	43	1.8
15511.3	10000	38.7187	95.9795	-579	PW	3.4	1	11.3	1	1.2	1	0.298	0	2.857	1	9.589	1	2167	46	1.8
15511.2	10000	38.7187	95.9787	-579	PW	3.1	1	11.0	1	1.2	1	0.285	0	2.716	1	9.538	1	2146	47	1.8
15511.1	10000	38.7187	95.9779	-577	PW	3.2	0	10.9	1	1.2	1	0.290	0	2.716	1	9.367	1	2143	44	1.8
15511.0	10000	38.7187	95.9772	-575	PW	3.5	1	10.7	1	1.1	1	0.323	0	3.040	1	9.415	1	2132	53	1.8
15510.9	10000	38.7187	95.9764	-574	PW	3.3	1	10.6	1	1.1	1	0.309	0	2.923	1	9.453	1	2116	43	1.8
15510.8	10000	38.7188	95.9756	-573	PW	3.0	1	10.5	1	1.1	1	0.287	0	2.703	1	9.422	1	2105	46	1.8
15510.7	10000	38.7188	95.9749	-571	PW	2.7	0	10.6	1	1.1	1	0.258	-1	2.487	1	9.641	1	2110	58	1.8
15510.6	10000	38.7188	95.9741	-569	PW	2.9	0	10.3	1	1.2	1	0.277	-1	2.472	1	8.932	1	2112	50	1.8
15510.5	10000	38.7188	95.9733	-568	PW	2.6	-1	10.2	1	1.1	1	0.259	-1	2.266	1	8.761	1	2109	54	1.7
15510.4	10000	38.7188	95.9725	-567	PW	2.5	-1	10.3	1	1.1	1	0.244	-1	2.210	-1	9.045	1	2092	56	1.7
15510.3	10000	38.7188	95.9718	-564	PW	2.3	-1	10.3	1	1.1	2	0.226	-1	1.971	-1	8.727	1	2084	43	1.7
15510.2	10000	38.7188	95.9710	-563	PW	2.5	-1	10.4	1	1.2	1	0.238	-1	2.027	-1	8.502	1	2096	41	1.7
15510.1	10000	38.7188	95.9702	-562	PW	2.5	-1	10.6	1	1.2	1	0.238	-1	2.026	-1	8.520	1	2103	50	1.7
15510.0	10000	38.7188	95.9695	-559	PW	2.5	-1	10.3	1	1.2	2	0.240	-1	1.888	-1	7.860	1	2091	46	1.7
15509.9	10000	38.7188	95.9687	-558	PW	2.3	-2	10.2	1	1.3	2	0.224	-1	1.753	-1	7.825	1	2095	33	1.7
15509.8	10000	38.7188	95.9679	-557	PW	2.2	-2	10.4	1	1.3	2	0.209	-2	1.683	-2	8.039	1	2086	32	1.7
15509.7	10000	38.7189	95.9672	-555	PW	2.2	-2	10.3	1	1.3	2	0.219	-2	1.653	-2	7.544	1	2085	50	1.7
15509.6	10000	38.7189	95.9664	-553	PW	2.3	-1	10.1	1	1.3	2	0.220	-2	1.719	-2	7.821	1	2088	50	1.7
15509.5	10000	38.7188	95.9657	-553	PW	2.2	-2	10.1	1	1.3	2	0.222	-2	1.692	-2	7.611	1	2082	42	1.7
15509.4	10000	38.7188	95.9649	-551	PW	2.4	-1	9.6	1	1.3	2	0.254	-1	1.866	-1	7.335	1	2077	50	1.7
15509.3	10000	38.7188	95.9642	-549	PW	3.1	0	10.0	1	1.3	2	0.307	0	2.446	0	7.958	1	2090	44	1.7
15509.2	10000	38.7188	95.9634	-549	PW	3.2	1	10.4	1	1.3	2	0.305	0	2.536	0	8.326	1	2089	43	1.7
15509.1	10000	38.7188	95.9627	-547	PW	3.4	1	10.3	1	1.3	2	0.338	0	2.767	1	8.180	1	2086	32	1.7
15509.0	10000	38.7188	95.9620	-545	PW	3.2	1	10.2	1	1.3	2	0.312	0	2.610	1	8.358	1	2102	49	1.7
15508.9	10000	38.7188	95.9612	-544	PW	3.2	1	10.4	1	1.3	2	0.316	0	2.500	1	7.922	1	2124	52	1.7
15508.8	10000	38.7188	95.9605	-542	PW	3.2	1	10.5	1	1.3	2	0.306	0	2.543	0	8.306	0	2135	50	1.7

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15508.7	10000	38.7188	95.9597	-540	PW	3.2	0	10.7	1	1.3	0	0.297	0	2.522	0	8.492	0	2143	48	1.7
15508.6	10000	38.7188	95.9590	-540	PW	3.0	0	10.5	1	1.3	0	0.287	0	2.344	0	8.176	0	2142	42	1.7
15508.5	10000	38.7188	95.9583	-538	PW	3.1	0	10.3	0	1.3	0	0.302	0	2.442	0	8.075	0	2153	47	1.7
15508.4	10000	38.7188	95.9575	-536	PW	3.2	1	10.2	0	1.3	0	0.315	0	2.508	0	7.972	0	2178	39	1.7
15508.3	10000	38.7188	95.9568	-535	PW	3.4	1	10.3	0	1.3	0	0.329	1	2.712	1	8.253	0	2187	39	1.7
15508.2	10000	38.7187	95.9560	-535	PW	3.5	1	10.4	1	1.2	0	0.336	1	2.793	1	8.301	0	2204	52	1.7
15508.1	10000	38.7187	95.9553	-532	PW	3.5	1	10.4	1	1.3	0	0.335	1	2.769	1	8.275	0	2221	50	1.7
15508.0	10000	38.7187	95.9546	-531	PW	3.5	1	10.5	1	1.3	0	0.331	1	2.704	1	8.161	0	2232	53	1.7
15507.9	10000	38.7187	95.9538	-530	PW	3.3	1	10.7	1	1.2	0	0.306	0	2.621	0	8.560	0	2232	48	1.7
15507.8	10000	38.7187	95.9531	-529	PW	3.5	1	10.6	1	1.3	0	0.326	0	2.738	1	8.402	0	2233	44	1.6
15507.7	10000	38.7187	95.9523	-528	PW	3.6	1	10.9	1	1.2	0	0.332	1	2.966	1	8.944	1	2230	50	1.6
15507.6	10000	38.7187	95.9516	-528	PW	3.5	1	10.8	1	1.3	0	0.327	1	2.822	1	8.623	0	2217	50	1.6
15507.5	10000	38.7187	95.9509	-526	PW	3.7	1	11.0	1	1.2	0	0.331	1	3.019	1	9.114	1	2192	45	1.6
15507.4	10000	38.7187	95.9501	-525	PW	3.7	1	10.8	1	1.2	0	0.340	1	3.087	1	9.079	1	2173	47	1.6
15507.3	10000	38.7187	95.9494	-524	PW	3.7	2	10.7	1	1.2	0	0.346	1	3.192	2	9.236	1	2159	37	1.6
15507.2	10000	38.7187	95.9486	-522	PW	3.8	2	10.8	1	1.2	0	0.351	1	3.226	2	9.197	1	2136	58	1.6
15507.1	10000	38.7187	95.9479	-522	PW	3.5	1	11.2	1	1.2	0	0.314	0	3.028	1	9.651	1	2131	40	1.6
15507.0	10000	38.7186	95.9472	-521	PW	3.5	1	10.9	1	1.2	0	0.319	0	2.827	1	8.862	1	2134	50	1.6
15506.9	10000	38.7186	95.9464	-520	PW	3.5	1	11.2	1	1.2	0	0.316	0	2.885	1	9.142	1	2134	60	1.6
15506.8	10000	38.7186	95.9457	-519	PW	3.4	1	11.3	1	1.2	0	0.298	0	2.687	0	9.025	1	2137	46	1.6
15506.7	10000	38.7186	95.9449	-519	PW	3.4	1	11.4	2	1.3	0	0.298	0	2.697	0	9.057	1	2136	45	1.6
15506.6	10000	38.7186	95.9442	-518	PW	3.5	1	11.2	1	1.3	0	0.308	0	2.735	1	8.890	1	2122	43	1.6
15506.5	10000	38.7186	95.9435	-517	PW	3.7	1	10.7	1	1.3	0	0.341	1	2.863	1	8.394	0	2132	42	1.6
15506.4	10000	38.7186	95.9427	-517	PW	3.6	1	10.5	1	1.3	0	0.347	1	2.874	1	8.291	0	2115	50	1.6
15506.3	10000	38.7186	95.9420	-516	PW	3.5	1	10.8	1	1.2	0	0.321	0	2.835	1	8.841	1	2101	52	1.6
15506.2	10000	38.7186	95.9412	-515	PW	3.6	1	10.5	1	1.2	0	0.348	1	3.019	1	8.681	1	2109	52	1.6
15506.1	10000	38.7186	95.9405	-515	PW	3.8	1	10.3	1	1.2	0	0.372	1	3.229	1	8.672	1	2118	51	1.6
15506.0	10000	38.7186	95.9398	-515	PW	3.6	1	10.3	1	1.2	0	0.353	1	3.042	1	8.628	0	2125	58	1.6
15505.9	10000	38.7186	95.9390	-514	PW	3.5	1	10.6	1	1.2	0	0.328	1	2.952	1	8.988	1	2148	47	1.6
15505.8	10000	38.7185	95.9383	-514	PW	3.4	1	11.2	1	1.2	0	0.306	0	2.882	1	9.432	1	2172	43	1.6
15505.7	10000	38.7185	95.9375	-514	PW	3.6	1	11.4	1	1.2	0	0.316	0	3.033	1	9.596	1	2185	43	1.6
15505.6	10000	38.7185	95.9368	-513	PW	3.3	1	11.4	1	1.2	0	0.291	0	2.836	1	9.760	2	2199	45	1.6
15505.5	10000	38.7185	95.9361	-513	PW	3.4	1	11.5	1	1.2	0	0.293	0	2.809	1	9.596	1	2211	48	1.6
15505.4	10000	38.7185	95.9353	-513	PW	3.1	1	11.5	1	1.2	0	0.271	0	2.590	1	9.560	1	2204	45	1.6
15505.3	10000	38.7185	95.9346	-512	PW	3.4	1	11.6	1	1.2	0	0.289	0	2.747	1	9.506	1	2208	42	1.6
15505.2	10000	38.7185	95.9338	-513	PW	3.3	1	11.5	1	1.2	0	0.283	0	2.653	1	9.360	1	2198	51	1.6
15505.1	10000	38.7185	95.9331	-514	PW	3.2	1	11.2	1	1.2	0	0.284	0	2.634	1	9.259	1	2173	61	1.6
15505.0	10000	38.7185	95.9324	-514	PW	3.2	1	10.7	1	1.2	0	0.301	0	2.617	1	8.707	1	2167	43	1.6
15504.9	10000	38.7185	95.9316	-515	PW	3.6	1	10.5	1	1.3	0	0.338	1	2.840	1	8.404	1	2152	49	1.6
15504.8	10000	38.7185	95.9309	-516	PW	3.2	1	10.4	1	1.2	0	0.306	0	2.611	1	8.524	1	2134	50	1.6
15504.7	10000	38.7184	95.9301	-516	PW	3.5	1	10.2	1	1.2	0	0.344	1	2.842	1	8.257	1	2142	45	1.6
15504.6	10000	38.7184	95.9294	-517	PW	3.6	1	10.0	1	1.2	0	0.361	1	2.964	1	8.207	1	2141	48	1.6
15504.5	10000	38.7184	95.9286	-518	PW	3.7	2	9.8	1	1.2	0	0.380	1	3.125	2	8.222	1	2128	51	1.6
15504.4	10000	38.7184	95.9279	-518	PW	3.7	1	10.0	1	1.2	0	0.367	1	3.056	1	8.321	1	2132	50	1.6
15504.3	10000	38.7184	95.9272	-520	PW	3.5	1	10.2	1	1.2	0	0.346	1	2.905	1	8.391	1	2145	45	1.6
15504.2	10000	38.7184	95.9264	-521	PW	3.5	1	10.0	1	1.2	0	0.348	1	2.810	1	8.085	1	2153	44	1.6
15504.1	10000	38.7184	95.9257	-522	PW	3.8	1	10.1	2	1.2	0	0.373	1	3.077	2	8.243	1	2151	42	1.6
15504.0	10000	38.7184	95.9250	-523	PW	3.6	1	10.0	1	1.2	0	0.365	1	2.938	1	8.053	1	2150	52	1.6
15503.9	10000	38.7184	95.9242	-523	PW	3.5	1	10.0	1	1.2	0	0.352	1	2.844	1	8.081	1	2156	47	1.6
15503.8	10000	38.7184	95.9235	-525	PW	3.5	1	10.1	1	1.3	0	0.340	1	2.696	1	7.922	1	2169	49	1.6
15503.7	10000	38.7184	95.9227	-526	PW	3.3	1	9.9	1	1.3	0	0.331	1	2.559	1	7.740	1	2177	34	1.6
15503.6	10000	38.7184	95.9220	-527	PW	3.2	1	9.9	0	1.3	0	0.329	1	2.517	0	7.659	1	2159	60	1.6

LINE 640 DATA ACQUIRED 80280 LAWPENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15503.5	10000	38.7183	95.9212	-528	PW	3.3	1	10.5	1	1.2	0	0.314	0	2.676	0	8.514	0	2156	35	1.6
15503.4	10000	38.7183	95.9205	-529	PW	3.0	1	10.1	1	1.2	0	0.298	0	2.459	0	8.243	0	2132	53	1.6
15503.3	10000	38.7183	95.9198	-530	PW	3.1	1	10.4	1	1.2	0	0.296	0	2.533	0	8.555	0	2121	52	1.6
15503.2	10000	38.7183	95.9190	-531	PW	2.9	1	10.7	1	1.2	0	0.272	-1	2.372	0	8.712	1	2105	47	1.6
15503.1	10000	38.7183	95.9183	-532	PW	3.3	1	11.3	1	1.2	0	0.293	0	2.779	1	9.474	1	2104	42	1.6
15503.0	10000	38.7183	95.9175	-534	PW	3.3	1	11.1	1	1.2	0	0.300	0	2.745	1	9.162	1	2094	55	1.6
15502.9	10000	38.7183	95.9168	-535	PW	3.4	1	11.3	1	1.2	0	0.305	0	2.825	1	9.254	1	2105	36	1.6
15502.8	10000	38.7183	95.9161	-536	PW	3.1	0	10.9	1	1.3	0	0.282	0	2.431	0	8.619	0	2105	41	1.6
15502.7	10000	38.7183	95.9153	-539	PW	3.2	1	11.3	1	1.3	1	0.284	0	2.438	0	8.591	0	2142	39	1.6
15502.6	10000	38.7183	95.9146	-540	PW	3.0	0	11.0	1	1.3	1	0.277	-1	2.329	0	8.418	0	2147	51	1.7
15502.5	10000	38.7183	95.9138	-541	PW	3.0	0	10.5	1	1.3	1	0.290	0	2.327	0	8.016	0	2146	49	1.7
15502.4	10000	38.7183	95.9131	-544	PW	2.8	0	9.8	0	1.3	1	0.286	0	2.092	-1	7.325	-1	2143	37	1.7
15502.3	10000	38.7182	95.9124	-546	PW	2.8	0	9.7	0	1.3	1	0.283	0	2.138	-1	7.554	-1	2133	54	1.7
15502.2	10000	38.7182	95.9116	-546	PW	2.7	-1	9.4	-1	1.3	1	0.289	0	2.038	-1	7.051	-1	2124	46	1.7
15502.1	10000	38.7182	95.9109	-548	PW	3.2	0	9.1	-1	1.3	1	0.347	1	2.394	0	6.895	-1	2127	39	1.7
15502.0	10000	38.7182	95.9101	-549	PW	2.9	0	8.6	-1	1.3	1	0.332	1	2.228	0	6.702	-1	2112	48	1.7
15501.9	10000	38.7182	95.9094	-549	PW	2.8	0	8.9	-1	1.3	0	0.313	0	2.170	-1	6.925	-1	2101	32	1.7
15501.	10000	38.7182	95.9087	-551	PW	2.8	0	9.5	0	1.3	0	0.300	0	2.204	-1	7.347	-1	2101	43	1.7
15501.7	10000	38.7182	95.9079	-552	PW	2.8	0	9.5	0	1.3	0	0.299	0	2.194	-1	7.333	-1	2090	54	1.7
15501.6	10000	38.7182	95.9072	-552	PW	2.8	0	9.6	0	1.3	1	0.293	0	2.139	-1	7.310	-1	2083	36	1.7
15501.5	10000	38.7182	95.9064	-553	PW	2.7	0	9.8	0	1.3	0	0.279	0	2.132	-1	7.636	-1	2082	41	1.7
15501.4	10000	38.7182	95.9057	-554	PW	2.7	-1	10.0	0	1.3	1	0.265	-1	2.035	-1	7.686	0	2080	56	1.7
15501.3	10000	38.7182	95.9050	-553	PW	2.9	0	10.2	1	1.3	1	0.285	0	2.231	0	7.837	0	2078	67	1.7
15501.2	10000	38.7181	95.9042	-553	PW	2.8	0	10.1	1	1.3	1	0.279	0	2.119	-1	7.596	-1	2091	54	1.7
15501.1	10000	38.7181	95.9035	-554	PW	2.9	0	9.7	0	1.3	1	0.301	0	2.190	-1	7.276	-1	2100	63	1.7
15501.0	10000	38.7181	95.9027	-553	PW	2.7	-1	9.7	0	1.3	1	0.281	0	2.036	-1	7.258	-1	2103	41	1.7
15500.9	10000	38.7181	95.9020	-552	PW	2.9	0	9.5	0	1.4	1	0.304	0	2.046	-1	6.738	-1	2121	41	1.7
15500.8	10000	38.7181	95.9013	-553	PW	2.9	0	9.6	0	1.4	1	0.303	0	2.014	-1	6.640	-2	2130	39	1.8
15500.7	10000	38.7181	95.9005	-553	PW	2.8	0	9.6	0	1.5	1	0.286	0	1.901	-1	6.635	-2	2142	55	1.8
15500.6	10000	38.7181	95.8998	-551	PW	2.6	-1	9.7	0	1.5	1	0.267	-1	1.724	-2	6.462	-2	2154	46	1.8
15500.5	10000	38.7181	95.8990	-551	PW	2.7	-1	10.0	0	1.5	1	0.270	-1	1.762	-1	6.524	-2	2171	54	1.8
15500.4	10000	38.7181	95.8983	-551	PW	2.7	-1	9.9	0	1.5	1	0.267	-1	1.744	-1	6.529	-2	2175	39	1.8
15500.3	10000	38.7181	95.8976	-549	PW	2.9	0	9.9	0	1.5	1	0.289	0	1.882	-1	6.503	-2	2195	54	1.8
15500.2	10000	38.7181	95.8968	-550	PW	2.9	0	10.1	1	1.4	1	0.289	0	2.014	-1	6.979	-1	2194	40	1.8
15500.1	10000	38.7181	95.8961	-550	PW	2.8	0	9.9	0	1.4	1	0.286	0	2.057	-1	7.185	-1	2172	47	1.8
15500.0	10000	38.7180	95.8953	-549	PW	2.9	0	10.1	1	1.4	1	0.295	0	2.189	-1	7.424	-1	2144	46	1.8
15499.9	10000	38.7180	95.8946	-548	PW	3.2	1	9.9	0	1.3	1	0.328	0	2.518	0	7.678	0	2130	65	1.8
15499.8	10000	38.7180	95.8939	-549	PW	3.3	1	9.5	0	1.3	1	0.352	1	2.639	0	7.491	-1	2097	45	1.8
15499.7	10000	38.7180	95.8931	-549	PW	3.3	1	9.5	0	1.3	1	0.357	1	2.675	0	7.499	-1	2077	51	1.8
15499.6	10000	38.7180	95.8924	-548	PW	3.3	1	9.5	0	1.3	1	0.352	1	2.580	0	7.319	-1	2084	50	1.8
15499.5	10000	38.7180	95.8916	-549	PW	3.2	1	9.3	0	1.4	1	0.344	1	2.427	0	7.048	-1	2101	54	1.8
15499.4	10000	38.7180	95.8909	-549	PW	3.3	1	9.5	0	1.4	1	0.358	1	2.444	0	6.826	-1	2143	56	1.8
15499.3	10000	38.7180	95.8902	-549	PW	3.2	1	9.5	0	1.4	1	0.335	1	2.302	0	6.873	-1	2177	41	1.8
15499.2	10000	38.7180	95.8894	-551	PW	2.9	0	9.3	0	1.4	1	0.298	0	2.091	-1	7.021	-1	2187	54	1.8
15499.1	10000	38.7180	95.8887	-551	PW	2.8	0	9.5	0	1.4	1	0.268	-1	2.067	-1	7.706	0	2192	38	1.8
15499.0	10000	38.7180	95.8879	-551	PW	2.6	0	9.5	0	1.3	1	0.250	-1	1.980	-1	7.923	0	2194	57	1.8
15498.9	10000	38.7179	95.8872	-553	PW	2.6	-1	9.7	0	1.3	1	0.242	-2	1.955	-2	8.064	0	2164	29	1.8
15498.8	10000	38.7179	95.8865	-554	PW	2.2	-2	9.5	0	1.3	1	0.208	-2	1.692	-2	8.151	0	2146	36	1.9
15498.7	10000	38.7179	95.8857	-554	PW	2.2	-2	9.5	0	1.3	1	0.205	-2	1.772	-2	8.630	0	2121	36	1.9
15498.6	10000	38.7179	95.8850	-556	PW	2.1	-2	9.5	0	1.3	1	0.201	-2	1.701	-2	8.452	0	2073	46	1.9
15498.5	10000	38.7179	95.8842	-558	PW	2.1	-2	9.5	0	1.3	1	0.205	-2	1.694	-2	8.262	0	2044	56	1.9
15498.4	10000	38.7179	95.8835	-558	PW	2.4	-1	9.9	0	1.3	1	0.240	-1	1.841	-1	7.681	0	2053	48	1.9

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15498.3	10000	38.7179	95.8828	-560	PW	2.5	-1	10.0	0	1.3	0	0.249	-1	1.940	-1	7.788	0	2051	35	1.9
15498.2	10000	38.7179	95.8820	-562	PW	2.5	-1	10.1	0	1.3	0	0.249	-1	1.941	-1	7.808	0	2063	42	1.9
15498.1	10000	38.7179	95.8813	-562	PW	2.9	0	9.9	0	1.2	0	0.290	0	2.298	0	7.918	0	2061	56	1.9
15498.0	10000	38.7179	95.8805	-563	PW	2.8	0	10.0	0	1.3	0	0.282	0	2.172	-1	7.707	0	2077	48	1.9
15497.9	10000	38.7179	95.8798	-566	PW	2.9	0	9.9	0	1.3	0	0.289	0	2.236	0	7.724	0	2095	58	1.9
15497.8	10000	38.7178	95.8790	-566	PW	2.8	0	10.1	0	1.3	0	0.277	-1	2.164	-1	7.824	0	2118	49	1.9
15497.7	10000	38.7178	95.8783	-568	PW	2.5	-1	10.3	0	1.3	0	0.246	-1	1.954	-1	7.942	0	2121	56	1.9
15497.6	10000	38.7178	95.8776	-570	PW	2.4	-1	10.6	1	1.4	1	0.229	-1	1.761	-1	7.698	0	2137	50	1.9
15497.5	10000	38.7178	95.8768	-571	PW	2.4	-1	10.7	1	1.4	1	0.222	-2	1.666	-2	7.502	-1	2156	43	1.9
15497.4	10000	38.7178	95.8761	-572	PW	2.4	-1	10.5	1	1.4	1	0.233	-1	1.697	-2	7.282	-1	2174	54	1.9
15497.3	10000	38.7178	95.8754	-574	PW	2.6	-1	10.4	0	1.4	1	0.252	-1	1.799	-1	7.151	-1	2171	44	1.9
15497.2	10000	38.7178	95.8746	-575	PW	2.6	-1	10.5	1	1.5	2	0.245	-1	1.712	-2	6.984	-1	2196	62	1.9
15497.1	10000	38.7178	95.8739	-576	PW	2.8	0	10.4	1	1.6	2	0.273	-1	1.780	-1	6.523	-2	2211	53	1.9
15497.0	10000	38.7178	95.8731	-577	PW	2.9	0	10.3	1	1.6	2	0.278	0	1.810	-1	6.505	-2	2217	47	1.9
15496.9	10000	38.7178	95.8723	-578	PW	2.9	0	10.0	0	1.6	2	0.293	0	1.899	-1	6.473	-2	2209	48	1.9
15496.8	10000	38.7178	95.8716	-578	PW	2.9	0	10.2	1	1.5	2	0.282	0	1.935	-1	6.851	-1	2179	47	1.9
15496.7	10000	38.7178	95.8708	-580	PW	2.6	-1	10.7	1	1.5	2	0.246	-1	1.774	-1	7.198	-1	2166	45	1.9
15496.6	10000	38.7178	95.8700	-581	PW	2.5	-1	11.0	1	1.5	2	0.229	-1	1.707	-2	7.461	-1	2161	56	1.9
15496.5	10000	38.7178	95.8692	-581	PW	2.6	-1	10.5	1	1.4	1	0.250	-1	1.830	-1	7.307	-1	2147	48	1.9
15496.4	10000	38.7178	95.8684	-582	PW	2.5	-1	10.2	0	1.4	1	0.247	-1	1.802	-1	7.299	-1	2141	59	1.9
15496.3	10000	38.7178	95.8676	-583	PW	2.4	-1	10.3	0	1.4	1	0.236	-1	1.709	-2	7.232	-1	2131	49	1.9
15496.2	10000	38.7178	95.8669	-584	PW	2.3	-1	10.4	1	1.4	1	0.220	-2	1.636	-2	7.447	-1	2116	33	1.9
15496.1	10000	38.7178	95.8661	-585	PW	2.4	-1	10.5	1	1.4	1	0.225	-2	1.690	-2	7.513	-1	2134	47	1.9
15496.0	10000	38.7178	95.8653	-586	PW	2.6	-1	10.6	1	1.4	1	0.248	-1	1.920	-1	7.737	0	2132	46	1.9
15495.9	10000	38.7178	95.8645	-587	PW	2.5	-1	10.8	1	1.4	1	0.232	-1	1.814	-1	7.821	0	2137	52	1.9
15495.8	10000	38.7179	95.8637	-587	PW	2.6	-1	11.1	1	1.4	1	0.232	-1	1.848	-1	7.980	0	2135	45	1.9
15495.7	10000	38.7179	95.8629	-588	PW	2.8	0	11.1	1	1.4	1	0.255	-1	2.065	-1	8.100	0	2123	40	1.9
15495.6	10000	38.7179	95.8621	-590	QAL	2.9	0	11.0	1	1.3	1	0.263	-1	2.185	-1	8.300	0	2101	52	1.9
15495.5	10000	38.7179	95.8614	-590	QAL	2.8	-1	10.9	1	1.3	1	0.257	-1	2.083	-1	8.090	0	2095	65	1.9
15495.4	10000	38.7179	95.8606	-590	QAL	2.8	-1	10.4	0	1.3	0	0.270	-1	2.119	-1	7.838	0	2059	46	1.9
15495.3	10000	38.7179	95.8598	-592	QAL	2.5	-1	10.0	0	1.3	0	0.248	-1	1.842	-1	7.434	0	2043	42	1.9
15495.2	10000	38.7179	95.8590	-592	QAL	2.6	-1	9.9	0	1.3	0	0.276	-1	1.970	-1	7.130	0	2015	50	1.9
15495.1	10000	38.7179	95.8582	-593	QAL	2.7	-1	9.3	0	1.3	0	0.289	-1	2.067	-1	7.150	0	1996	43	1.8
15495.0	10000	38.7179	95.8574	-594	QAL	2.4	-1	9.2	0	1.3	0	0.260	-1	1.909	-1	7.348	0	1977	44	1.8
15494.9	10000	38.7179	95.8566	-594	QAL	2.3	-2	8.8	0	1.3	0	0.257	-1	1.794	-1	6.974	0	1961	42	1.8
15494.8	10000	38.7179	95.8559	-595	QAL	2.5	-1	9.0	0	1.3	0	0.277	-1	1.956	-1	7.051	0	1962	50	1.8
15494.7	10000	38.7179	95.8551	-596	QAL	2.5	-1	9.2	0	1.3	0	0.276	-1	1.996	-1	7.223	0	1961	42	1.8
15494.6	10000	38.7179	95.8543	-597	QAL	2.6	-1	9.4	0	1.3	0	0.278	-1	2.008	-1	7.234	0	1966	38	1.8
15494.5	10000	38.7179	95.8535	-597	QAL	2.3	-1	9.4	0	1.3	0	0.245	-1	1.789	-1	7.310	0	1962	45	1.8
15494.4	10000	38.7180	95.8527	-598	QAL	2.1	-2	9.5	0	1.3	0	0.218	-2	1.612	-1	7.383	0	1963	54	1.8
15494.3	10000	38.7180	95.8519	-599	QAL	2.2	-2	9.7	0	1.3	0	0.231	-2	1.668	-1	7.229	0	1988	36	1.8
15494.2	10000	38.7180	95.8512	-599	QAL	2.4	-1	10.3	1	1.4	1	0.237	-1	1.736	-1	7.315	0	2035	66	1.8
15494.1	10000	38.7180	95.8504	-600	QAL	2.5	-1	10.4	1	1.5	1	0.240	-1	1.704	-1	7.103	0	2079	54	1.8
15494.0	10000	38.7180	95.8496	-601	QAL	2.4	-1	10.7	1	1.5	1	0.229	-2	1.616	-1	7.050	0	2127	53	1.8
15493.9	10000	38.7180	95.8488	-600	QAL	2.4	-1	10.7	1	1.5	1	0.225	-2	1.567	-1	6.973	0	2146	35	1.8
15493.8	10000	38.7180	95.8480	-601	QAL	2.5	-1	10.5	1	1.5	1	0.237	-2	1.608	-1	6.781	-1	2162	40	1.7
15493.7	10000	38.7180	95.8472	-602	QAL	2.0	0	10.5	1	1.5	1	0.270	-2	1.843	-1	6.815	-1	2182	63	1.7
15493.6	10000	38.7180	95.8464	-602	QAL	2.0	0	10.5	1	1.5	1	0.286	-1	1.958	-1	6.836	-1	2187	47	1.7
15493.5	10000	38.7180	95.8457	-602	QAL	2.0	0	10.5	1	1.5	1	0.282	-1	2.006	-1	7.108	0	2181	58	1.7
15493.4	10000	38.7180	95.8449	-603	QAL	2.0	0	10.4	1	1.4	1	0.290	-1	2.060	-1	7.265	0	2163	53	1.7
15493.3	10000	38.7180	95.8441	-604	QAL	2.0	0	10.2	1	1.4	1	0.285	-1	2.128	-1	7.331	0	2143	43	1.7
15493.2	10000	38.7180	95.8433	-604	QAL	2.3	0	10.2	1	1.3	0	0.320	0	2.459	0	7.675	0	2137	31	1.7

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15493.1	10000	38.7180	95.8425	-605	QAL	3.2	0	10.7	1	1.3	0	0.303	-1	2.528	0	8.352	0	2139	42	1.7
15493.0	10000	38.7181	95.8417	-606	QAL	3.1	0	10.6	1	1.3	0	0.288	-1	2.342	0	8.129	0	2146	64	1.7
15492.9	10000	38.7181	95.8409	-606	QAL	3.0	0	10.7	1	1.3	0	0.270	-1	2.256	0	8.365	1	2139	37	1.7
15492.8	10000	38.7181	95.8402	-606	QAL	3.0	0	10.2	1	1.3	0	0.290	-1	2.336	0	8.046	0	2134	40	1.7
15492.7	10000	38.7181	95.8394	-607	QAL	2.9	0	10.3	1	1.2	0	0.281	-1	2.334	0	8.296	0	2125	37	1.6
15492.6	10000	38.7181	95.8386	-608	PW	2.9	0	10.3	1	1.2	0	0.277	0	2.286	0	8.242	0	2122	52	1.6
15492.5	10000	38.7181	95.8378	-606	PW	2.7	-1	10.4	1	1.2	0	0.258	-1	2.158	-1	8.366	0	2124	43	1.6
15492.4	10000	38.7181	95.8370	-606	PW	3.0	0	10.1	0	1.3	0	0.298	0	2.353	0	7.901	0	2135	55	1.6
15492.3	10000	38.7181	95.8362	-607	PW	3.3	1	10.1	0	1.3	0	0.323	0	2.619	0	8.101	0	2134	59	1.6
15492.2	10000	38.7181	95.8354	-607	PW	3.2	1	10.4	1	1.3	0	0.311	0	2.574	0	8.284	0	2135	45	1.6
15492.1	10000	38.7181	95.8347	-609	PW	3.1	0	10.6	1	1.3	0	0.296	0	2.465	0	8.337	0	2130	50	1.6
15492.0	10000	38.7181	95.8339	-610	PW	3.3	1	10.5	1	1.3	0	0.319	0	2.655	0	8.331	0	2131	52	1.6
15491.9	10000	38.7181	95.8331	-610	PW	3.4	1	10.6	1	1.3	0	0.318	0	2.669	0	8.394	0	2152	51	1.6
15491.8	10000	38.7181	95.8323	-611	PW	3.4	1	10.3	0	1.2	0	0.333	0	2.762	0	8.30	0	2154	48	1.6
15491.7	10000	38.7181	95.8315	-613	PW	3.2	1	10.3	0	1.2	0	0.316	0	2.640	0	8.3	0	2141	44	1.6
15491.6	10000	38.7182	95.8307	-613	PW	3.1	0	10.4	0	1.2	0	0.295	0	2.460	0	8.3	0	2133	49	1.6
15491.5	10000	38.7182	95.8300	-613	PW	3.3	1	10.1	0	1.2	0	0.323	0	2.614	0	8.08	0	2137	43	1.6
15491.4	10000	38.7182	95.8292	-614	PW	3.7	1	10.4	1	1.2	0	0.351	1	3.032	1	8.64	0	2149	53	1.6
15491.3	10000	38.7182	95.8284	-613	PW	3.7	2	10.3	0	1.2	0	0.364	1	3.141	1	8.63	1	2155	45	1.5
15491.2	10000	38.7182	95.8276	-613	PW	3.9	2	9.9	0	1.2	0	0.390	2	3.336	2	8.553	0	2127	45	1.5
15491.1	10000	38.7182	95.8268	-613	PW	3.9	2	10.1	0	1.2	0	0.389	2	3.301	2	8.483	0	2112	43	1.5
15491.0	10000	38.7182	95.8260	-615	PW	4.0	2	9.8	0	1.2	0	0.405	2	3.299	2	8.144	0	2109	52	1.5
15490.9	10000	38.7182	95.8253	-615	PW	4.0	2	10.2	0	1.2	0	0.388	2	3.375	2	8.704	1	2108	52	1.5
15490.8	10000	38.7182	95.8245	-616	PW	3.9	2	10.4	1	1.2	0	0.378	2	3.303	2	8.739	1	2096	40	1.5
15490.7	10000	38.7182	95.8237	-617	PW	3.5	1	10.5	1	1.2	0	0.335	1	2.870	1	8.566	1	2090	44	1.5
15490.6	10000	38.7182	95.8229	-618	PW	3.5	1	10.5	1	1.3	0	0.336	1	2.805	1	8.347	0	2081	50	1.5
15490.5	10000	38.7182	95.8221	-618	PW	3.5	1	10.8	1	1.3	0	0.326	1	2.667	1	8.184	0	2100	50	1.5
15490.4	10000	38.7182	95.8213	-620	PW	3.3	2	10.7	1	1.3	0	0.308	1	2.518	1	8.168	0	2110	45	1.5
15490.3	10000	38.7182	95.8205	-622	PW	3.2	1	10.3	1	1.2	0	0.282	1	2.489	1	8.825	0	2118	55	1.5
15490.2	10000	38.7182	95.8198	-622	PW	3.1	1	10.2	1	1.2	0	0.279	1	2.455	1	8.806	0	2105	50	1.5
15490.1	10000	38.7183	95.8190	-624	PW	3.0	1	10.3	1	1.2	0	0.280	1	2.562	1	8.150	0	2092	51	1.5
15490.0	10000	38.7183	95.8182	-625	PW	3.2	1	10.4	1	1.2	0	0.305	1	2.769	1	8.071	0	2067	42	1.5
15489.9	10000	38.7183	95.8174	-625	PW	3.3	1	10.5	1	1.3	0	0.300	1	2.786	1	8.282	0	2076	43	1.5
15489.8	10000	38.7183	95.8166	-627	PW	3.3	1	10.5	1	1.3	0	0.305	1	2.883	1	8.459	0	2074	34	1.5
15489.7	10000	38.7183	95.8158	-629	PW	3.4	1	10.8	1	1.3	0	0.313	1	3.042	1	8.707	0	2077	51	1.5
15489.6	10000	38.7183	95.8150	-628	PW	3.4	1	10.7	1	1.3	0	0.334	1	3.102	1	8.291	0	2090	51	1.5
15489.5	10000	38.7183	95.8143	-629	PW	3.4	1	10.6	1	1.3	0	0.341	1	3.027	1	8.886	0	2100	57	1.5
15489.4	10000	38.7183	95.8135	-630	PW	3.3	1	10.3	1	1.3	0	0.317	1	2.701	1	8.512	0	2129	40	1.5
15489.3	10000	38.7183	95.8127	-630	PW	3.2	1	10.4	1	1.2	0	0.314	1	2.577	1	8.201	0	2151	39	1.5
15489.2	10000	38.7183	95.8119	-632	PW	3.2	1	10.3	1	1.2	0	0.306	1	2.487	1	8.140	0	2138	46	1.5
15489.1	10000	38.7183	95.8111	-636	PW	3.1	1	10.2	0	1.2	0	0.309	1	2.503	1	7.903	0	2116	54	1.5
15489.0	10000	38.7183	95.8103	-637	PW	3.2	1	9.9	0	1.2	0	0.323	1	2.583	1	7.457	0	2096	49	1.5
15488.9	10000	38.7183	95.8096	-637	PW	3.2	1	9.8	0	1.2	0	0.327	1	2.617	1	7.163	0	2064	43	1.5
15488.8	10000	38.7184	95.8088	-636	QAL	3.2	1	9.7	0	1.2	0	0.330	1	2.644	1	6.830	0	2070	49	1.5
15488.7	10000	38.7184	95.8080	-638	QAL	3.2	1	9.6	0	1.2	0	0.333	1	2.660	1	6.567	0	2057	37	1.5
15488.6	10000	38.7184	95.8072	-640	QAL	3.2	1	9.7	0	1.2	0	0.330	1	2.644	1	6.842	0	2046	44	1.5
15488.5	10000	38.7184	95.8064	-642	QAL	3.2	1	9.7	0	1.2	0	0.330	1	2.643	1	6.303	0	2031	40	1.5
15488.4	10000	38.7184	95.8056	-642	QAL	3.2	1	9.7	0	1.2	0	0.330	1	2.643	1	6.141	0	2016	45	1.5
15488.3	10000	38.7184	95.8048	-642	QAL	3.2	1	9.7	0	1.2	0	0.330	1	2.643	1	6.408	0	2010	44	1.5
15488.2	10000	38.7184	95.8041	-644	QAL	3.2	1	9.7	0	1.2	0	0.330	1	2.643	1	6.570	0	2004	50	1.5
15488.1	10000	38.7184	95.8033	-645	QAL	3.2	1	9.7	0	1.2	0	0.330	1	2.643	1	6.666	0	2005	45	1.5
15488.0	10000	38.7184	95.8025	-645	QAL	3.0	1	9.6	0	1.2	0	0.326	1	2.643	1	6.774	0	2023	40	1.5

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15487.9	10000	38.7184	95.8017	-645	QAL	3.1	0	9.5	0	1.4	1	0.325	0	2.197	-1	6.755	-1	2049	50	1.5
15487.8	10000	38.7184	95.8009	-647	QAL	3.4	1	9.6	0	1.4	1	0.354	0	2.422	0	6.836	-1	2083	50	1.6
15487.7	10000	38.7184	95.8001	-649	QAL	3.4	1	9.7	0	1.4	1	0.346	0	2.455	0	7.086	0	2113	52	1.6
15487.6	10000	38.7184	95.7993	-649	QAL	3.2	1	9.1	0	1.4	1	0.353	0	2.337	0	6.610	-1	2129	40	1.6
15487.5	10000	38.7184	95.7986	-650	QAL	3.7	1	9.4	0	1.3	1	0.396	1	2.763	0	6.968	0	2139	41	1.6
15487.4	10000	38.7184	95.7978	-652	QAL	3.8	1	8.9	0	1.3	1	0.425	1	2.835	0	6.676	-1	2112	41	1.6
15487.3	10000	38.7184	95.7970	-651	QAL	3.7	1	9.2	0	1.3	1	0.405	1	2.961	1	7.307	0	2093	64	1.6
15487.2	10000	38.7184	95.7962	-651	QAL	3.6	1	9.0	0	1.3	1	0.405	1	2.901	1	7.164	0	2088	46	1.6
15487.1	10000	38.7185	95.7954	-653	QAL	3.6	1	9.2	0	1.2	1	0.387	1	2.957	1	7.634	0	2084	43	1.6
15487.0	10000	38.7185	95.7946	-654	QAL	3.7	1	9.6	0	1.2	1	0.388	1	3.170	1	8.165	0	2083	48	1.6
15486.9	10000	38.7185	95.7939	-655	QAL	3.7	1	10.0	1	1.1	0	0.365	0	3.221	1	8.820	1	2095	49	1.6
15486.8	10000	38.7185	95.7931	-657	QAL	3.4	1	10.2	1	1.1	-1	0.334	0	3.054	1	9.135	1	2112	40	1.6
15486.7	10000	38.7185	95.7923	-657	PW	3.1	0	10.9	1	1.1	-1	0.287	0	2.783	1	9.708	2	2147	47	1.6
15486.6	10000	38.7185	95.7915	-658	PW	3.0	0	11.0	1	1.2	0	0.277	-1	2.626	0	9.485	1	2155	41	1.6
15486.5	10000	38.7185	95.7907	-660	PW	3.0	0	11.0	1	1.1	-1	0.276	-1	2.732	0	9.895	2	2153	46	1.6
15486.4	10000	38.7185	95.7899	-661	PW	3.0	0	11.8	2	1.1	-1	0.252	-1	2.594	0	10.307	2	2157	46	1.7
15486.3	10000	38.7185	95.7892	-662	PW	2.8	0	11.8	2	1.2	0	0.235	-1	2.335	0	9.952	2	2159	53	1.7
15486.2	10000	38.7185	95.7884	-664	PW	2.9	0	11.5	2	1.2	0	0.252	-1	2.349	0	9.310	1	2156	52	1.7
15486.1	10000	38.7185	95.7876	-665	PW	3.1	0	11.0	1	1.3	0	0.282	0	2.414	0	8.555	0	2177	63	1.7
15486.0	10000	38.7185	95.7868	-666	PW	3.5	1	11.1	1	1.2	0	0.313	0	2.796	1	8.929	1	2179	49	1.7
15485.9	10000	38.7185	95.7860	-667	PW	3.6	1	11.0	1	1.2	0	0.324	0	2.990	1	9.215	1	2171	55	1.7
15485.8	10000	38.7185	95.7852	-670	PW	3.4	1	10.7	1	1.2	0	0.318	0	2.818	1	8.863	1	2170	42	1.7
15485.7	10000	38.7185	95.7844	-670	PW	3.4	1	10.1	1	1.2	0	0.339	1	2.799	1	8.265	0	2158	51	1.7
15485.6	10000	38.7186	95.7836	-671	PW	3.5	1	10.2	1	1.2	0	0.346	1	2.962	1	8.558	0	2156	46	1.7
15485.5	10000	38.7186	95.7829	-673	PW	3.2	1	10.5	1	1.2	0	0.308	0	2.631	1	8.539	0	2172	37	1.7
15485.4	10000	38.7186	95.7821	-674	PW	3.1	0	10.6	1	1.2	0	0.290	0	2.589	1	8.927	1	2142	54	1.7
15485.3	10000	38.7186	95.7813	-674	PW	3.0	0	10.4	1	1.2	0	0.290	0	2.484	0	8.561	0	2125	47	1.7
15485.2	10000	38.7186	95.7805	-676	PW	3.0	0	10.2	1	1.2	0	0.289	0	2.399	0	8.289	0	2131	43	1.7
15485.1	10000	38.7186	95.7797	-677	PW	3.0	0	10.0	1	1.2	0	0.290	0	2.436	0	8.394	0	2120	33	1.7
15485.0	10000	38.7186	95.7789	-678	PW	3.0	0	9.9	1	1.2	0	0.298	0	2.577	0	8.659	0	2119	35	1.7
15484.9	10000	38.7186	95.7782	-679	PW	3.0	0	9.9	1	1.2	0	0.310	0	2.632	0	8.498	0	2109	49	1.7
15484.8	10000	38.7186	95.7774	-681	PW	3.0	0	9.9	1	1.2	0	0.340	0	2.688	0	8.072	0	2097	47	1.7
15484.7	10000	38.7186	95.7767	-682	PW	3.0	0	9.9	1	1.2	0	0.336	0	2.932	0	8.713	0	2106	42	1.7
15484.6	10000	38.7186	95.7759	-682	PW	3.0	0	9.9	1	1.2	0	0.299	0	2.574	0	8.619	0	2120	46	1.7
15484.5	10000	38.7186	95.7752	-684	PW	3.0	0	9.9	1	1.2	0	0.287	0	2.428	0	8.472	0	2121	52	1.7
15484.4	10000	38.7186	95.7744	-685	PW	3.0	0	9.9	1	1.2	0	0.284	0	2.454	0	8.644	0	2132	56	1.7
15484.3	10000	38.7186	95.7736	-686	PW	3.0	0	9.9	1	1.2	0	0.273	0	2.348	0	8.595	0	2121	29	1.7
15484.2	10000	38.7186	95.7729	-688	PW	3.0	0	9.9	1	1.2	0	0.262	0	2.250	0	8.597	0	2119	40	1.7
15484.1	10000	38.7186	95.7721	-690	PW	3.0	0	9.9	1	1.2	0	0.264	0	2.264	0	8.566	0	2097	38	1.7
15484.0	10000	38.7186	95.7714	-690	PW	3.0	0	9.9	1	1.2	0	0.266	0	2.329	0	8.754	0	2077	50	1.7
15483.9	10000	38.7186	95.7706	-691	PW	3.0	0	9.9	1	1.2	0	0.274	0	2.420	0	8.837	0	2064	39	1.7
15483.8	10000	38.7187	95.7699	-693	PW	3.0	0	9.9	1	1.2	0	0.279	0	2.407	0	8.618	0	2070	35	1.7
15483.7	10000	38.7187	95.7691	-693	PW	3.0	0	9.9	1	1.2	0	0.255	0	2.242	0	8.776	0	2065	37	1.7
15483.6	10000	38.7187	95.7683	-695	PW	3.0	0	9.9	1	1.2	0	0.255	0	2.241	0	8.684	0	2092	38	1.7
15483.5	10000	38.7187	95.7676	-697	PW	3.0	0	9.9	1	1.2	0	0.232	0	2.078	0	8.488	0	2089	36	1.7
15483.4	10000	38.7187	95.7668	-699	PW	3.0	0	9.9	1	1.2	0	0.232	0	2.094	0	8.381	0	2103	54	1.7
15483.3	10000	38.7187	95.7661	-700	PW	3.0	0	9.9	1	1.2	0	0.243	0	2.097	0	8.521	0	2134	49	1.7
15483.2	10000	38.7187	95.7653	-702	PW	3.0	0	9.9	1	1.2	0	0.235	0	2.085	0	8.568	0	2127	43	1.7
15483.1	10000	38.7187	95.7646	-702	PW	3.0	0	9.9	1	1.2	0	0.260	0	2.146	0	8.933	0	2123	33	1.7
15483.0	10000	38.7187	95.7638	-700	PW	3.0	0	9.9	1	1.2	0	0.299	0	2.338	0	8.880	0	2113	35	1.7
15482.9	10000	38.7187	95.7630	-701	PW	3.0	0	9.9	1	1.2	0	0.299	0	2.658	0	8.790	0	2113	49	1.7
15482.8	10000	38.7187	95.7623	-701	PW	3.0	0	9.9	1	1.2	0	0.299	0	2.658	0	8.790	0	2113	47	1.7

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15482.7	10000	38.7187	95.7615	-700	PW	3.3	1	10.5	1	1.2	0	0.313	0	2.725	1	8.698	1	2158	42	1.8
15482.6	10000	38.7187	95.7608	-699	PW	3.4	1	10.8	1	1.2	0	0.317	0	2.930	1	9.244	1	2167	56	1.8
15482.5	10000	38.7187	95.7600	-698	PW	3.4	1	10.9	1	1.2	0	0.314	0	2.886	1	9.194	1	2204	52	1.8
15482.4	10000	38.7187	95.7592	-695	PW	3.4	1	10.7	1	1.2	0	0.317	0	2.729	1	8.622	0	2231	42	1.8
15482.3	10000	38.7187	95.7585	-692	PW	3.5	1	10.7	1	1.3	0	0.324	0	2.753	1	8.499	0	2229	50	1.8
15482.2	10000	38.7187	95.7577	-691	PW	3.1	0	10.7	1	1.2	0	0.295	0	2.551	0	8.660	1	2234	48	1.8
15482.1	10000	38.7187	95.7570	-692	PW	3.2	1	10.9	1	1.3	0	0.294	0	2.568	0	8.722	1	2241	49	1.8
15482.0	10000	38.7187	95.7562	-690	PW	3.1	0	11.1	1	1.2	0	0.281	0	2.652	0	9.450	1	2209	35	1.8
15481.9	10000	38.7188	95.7555	-689	PW	2.9	0	10.5	1	1.2	0	0.278	0	2.403	0	8.630	0	2189	48	1.8
15481.8	10000	38.7188	95.7547	-690	PW	2.9	0	10.3	0	1.2	0	0.285	0	2.432	0	8.531	0	2179	46	1.8
15481.7	10000	38.7188	95.7540	-691	PW	3.3	1	10.5	1	1.1	0	0.312	0	2.849	1	9.135	1	2164	56	1.8
15481.6	10000	38.7188	95.7532	-689	PW	3.2	0	10.6	1	1.1	-1	0.300	0	2.794	1	9.321	1	2150	42	1.8
15481.5	10000	38.7188	95.7524	-688	PW	3.4	1	10.7	1	1.1	-1	0.320	0	3.115	1	9.745	2	2149	46	1.8
15481.4	10000	38.7188	95.7517	-688	PW	3.5	1	10.7	1	1.1	-1	0.327	1	3.168	1	9.691	2	2131	50	1.8
15481.3	10000	38.7188	95.7509	-687	PW	3.2	0	10.1	0	1.1	-1	0.314	0	2.840	1	9.039	1	2113	32	1.8
15481.2	10000	38.7188	95.7502	-685	PW	3.1	0	10.0	0	1.1	-1	0.312	0	2.834	1	9.074	1	2093	51	1.8
15481.1	10000	38.7188	95.7494	-685	PW	3.2	0	10.0	0	1.1	-1	0.317	0	2.935	1	9.255	1	2084	46	1.8
15481.0	10000	38.7188	95.7486	-684	PW	2.9	0	9.5	0	1.1	-1	0.308	0	2.650	0	8.609	0	2070	49	1.8
15480.9	10000	38.7188	95.7479	-681	PS	3.0	0	9.6	0	1.1	0	0.310	0	2.704	0	8.713	0	2063	35	1.8
15480.8	10000	38.7188	95.7471	-677	PS	2.9	0	9.7	0	1.1	0	0.300	0	2.592	0	8.631	0	2050	43	1.8
15480.7	10000	38.7188	95.7464	-675	PS	2.7	-1	9.4	0	1.1	-1	0.287	-1	2.473	0	8.620	0	2058	53	1.8
15480.6	10000	38.7188	95.7456	-674	PS	2.8	-1	9.8	0	1.2	0	0.291	-1	2.467	0	8.469	0	2074	42	1.8
15480.5	10000	38.7188	95.7449	-673	PS	2.8	-1	10.0	0	1.2	0	0.283	-1	2.437	-1	8.598	0	2088	45	1.8
15480.4	10000	38.7188	95.7441	-671	PS	2.7	-1	9.9	0	1.2	0	0.276	-1	2.321	-1	8.414	0	2066	48	1.8
15480.3	10000	38.7188	95.7433	-668	PS	2.8	-1	9.9	0	1.2	0	0.280	-1	2.373	-1	8.488	0	2032	51	1.8
15480.2	10000	38.7188	95.7426	-664	PS	2.8	-1	9.7	0	1.1	0	0.286	-1	2.411	-1	8.433	0	2000	44	1.8
15480.1	10000	38.7188	95.7418	-660	PS	2.7	-1	9.3	0	1.1	0	0.293	-1	2.414	-1	8.225	0	1981	39	1.8
15480.0	10000	38.7188	95.7411	-663	PS	2.6	-1	9.7	0	1.1	0	0.276	-1	2.329	-1	8.438	0	1956	30	1.8
15479.9	10000	38.7189	95.7403	-663	PS	2.9	-1	9.3	0	1.1	0	0.312	-1	2.681	-1	8.582	0	1937	42	1.8
15479.8	10000	38.7189	95.7396	-658	PS	2.8	-1	9.6	0	1.1	0	0.296	-1	2.709	-1	8.742	0	1937	39	1.8
15479.7	10000	38.7189	95.7388	-652	PS	3.1	0	10.1	0	1.1	0	0.310	-1	2.552	-1	8.616	0	1956	46	1.8
15479.6	10000	38.7189	95.7380	-650	PS	3.2	0	10.3	0	1.1	0	0.313	-1	2.768	-1	8.706	0	1998	43	1.8
15479.5	10000	38.7189	95.7373	-649	PS	3.1	0	10.3	0	1.1	0	0.320	-1	2.646	-1	8.463	0	2040	53	1.8
15479.4	10000	38.7189	95.7365	-647	PS	3.3	0	10.5	0	1.1	0	0.333	-1	2.703	-1	8.449	0	2068	45	1.8
15479.3	10000	38.7189	95.7358	-644	PS	3.2	0	10.6	0	1.1	0	0.297	-1	2.846	-1	8.547	0	2082	51	1.8
15479.2	10000	38.7189	95.7350	-642	PS	3.4	0	10.7	0	1.1	0	0.330	-1	2.676	-1	8.999	0	2071	42	1.8
15479.1	10000	38.7189	95.7343	-640	PS	3.5	0	10.7	0	1.1	0	0.369	-1	2.945	-1	8.914	0	2056	40	1.8
15479.0	10000	38.7189	95.7335	-637	PS	3.2	0	10.1	0	1.1	0	0.353	-1	2.432	-1	9.294	0	2040	37	1.8
15478.9	10000	38.7189	95.7327	-635	PS	3.4	0	10.7	0	1.1	0	0.351	-1	2.340	-1	9.452	0	2024	49	1.8
15478.8	10000	38.7189	95.7320	-633	PS	3.5	0	10.7	0	1.1	0	0.348	-1	2.237	-1	9.228	0	2049	48	1.8
15478.7	10000	38.7189	95.7312	-631	PS	3.2	0	10.1	0	1.1	0	0.348	-1	2.023	-1	8.697	0	2075	48	1.8
15478.6	10000	38.7189	95.7305	-628	PS	3.1	0	10.0	0	1.1	0	0.348	-1	2.026	-1	8.708	0	2115	42	1.7
15478.5	10000	38.7189	95.7297	-627	PS	3.2	0	10.0	0	1.1	0	0.365	-1	2.018	-1	8.260	0	2175	41	1.7
15478.4	10000	38.7189	95.7290	-625	PS	2.9	0	9.5	0	1.1	0	0.334	-1	2.711	-1	8.120	0	2216	43	1.7
15478.3	10000	38.7189	95.7282	-624	PS	3.0	0	9.6	0	1.1	0	0.335	-1	2.667	-1	7.961	0	2230	41	1.7
15478.2	10000	38.7189	95.7274	-623	PS	2.9	0	9.7	0	1.1	0	0.331	-1	2.546	-1	7.700	0	2239	45	1.7
15478.1	10000	38.7189	95.7267	-623	PS	2.7	-1	9.4	0	1.1	0	0.348	-1	2.704	-1	7.779	0	2207	42	1.7
15478.0	10000	38.7189	95.7259	-623	PS	2.6	-1	9.3	0	1.1	0	0.369	-1	2.028	-1	8.197	0	2155	56	1.7
15477.9	10000	38.7190	95.7252	-623	PS	2.6	-1	9.3	0	1.1	0	0.398	-1	2.186	-1	8.014	0	2101	53	1.7
15477.8	10000	38.7190	95.7244	-621	PS	2.6	-1	9.3	0	1.1	0	0.397	-1	2.140	-1	8.901	0	2046	51	1.7
15477.7	10000	38.7190	95.7236	-620	PS	2.6	-1	9.3	0	1.1	0	0.450	-1	2.425	-1	7.617	0	2013	64	1.7
15477.6	10000	38.7190	95.7229	-620	PS	2.7	-1	9.3	0	1.1	0	0.436	-1	2.469	-1	7.953	0	2008	50	1.7

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15477.5	10000	38.7190	95.7221	-619	PW	3.8	2	8.5	-1	1.1	-1	0.441	3	3.557	2	8.071	0	2013	43	1.7
15477.4	10000	38.7190	95.7214	-618	PW	3.6	1	8.7	-1	1.0	-1	0.411	2	3.423	2	8.333	0	2030	57	1.7
15477.3	10000	38.7190	95.7206	-617	PW	3.5	1	9.3	-1	1.1	-1	0.376	2	3.150	1	8.368	0	2070	61	1.7
15477.2	10000	38.7190	95.7199	-618	PW	3.3	1	9.7	0	1.1	-1	0.336	1	2.863	1	8.529	0	2100	53	1.7
15477.1	10000	38.7190	95.7191	-617	PW	3.6	1	10.0	0	1.1	-1	0.358	1	3.194	2	8.922	1	2126	49	1.7
15477.0	10000	38.7190	95.7184	-617	PW	3.4	1	10.4	1	1.1	-1	0.324	0	2.980	1	9.197	1	2135	53	1.7
15476.9	10000	38.7190	95.7176	-617	PW	3.2	0	10.3	0	1.2	0	0.309	0	2.722	1	8.822	1	2148	53	1.7
15476.8	10000	38.7190	95.7168	-618	PW	3.2	1	10.5	1	1.2	0	0.310	0	2.787	1	8.984	1	2135	52	1.7
15476.7	10000	38.7190	95.7161	-618	PW	3.4	1	10.1	0	1.2	0	0.332	1	2.877	1	8.675	1	2121	42	1.7
15476.6	10000	38.7190	95.7153	-618	PW	3.1	0	10.0	0	1.2	0	0.312	0	2.621	0	8.398	0	2105	41	1.7
15476.5	10000	38.7190	95.7146	-620	PW	3.1	0	9.9	0	1.2	0	0.318	0	2.634	0	8.280	0	2091	55	1.7
15476.4	10000	38.7190	95.7138	-621	PS	2.8	-1	9.8	0	1.2	0	0.284	-1	2.251	-1	7.935	0	2077	45	1.7
15476.3	10000	38.7190	95.7130	-621	PS	2.9	0	9.7	0	1.3	0	0.303	0	2.307	-1	7.615	-1	2078	55	1.7
15476.2	10000	38.7190	95.7123	-621	PS	3.1	0	9.6	0	1.3	1	0.324	0	2.404	-1	7.413	-1	2079	51	1.7
15476.1	10000	38.7190	95.7115	-622	PS	3.3	0	9.8	1	1.3	1	0.335	0	2.520	0	7.522	-1	2099	53	1.7
15476.0	10000	38.7190	95.7108	-623	PS	3.3	0	9.9	1	1.4	1	0.327	0	2.379	-1	7.265	-1	2111	43	1.7
15475.9	10000	38.7191	95.7100	-623	PS	3.3	0	9.8	1	1.3	1	0.337	0	2.469	0	7.323	-1	2122	42	1.7
15475.8	10000	38.7191	95.7093	-624	PS	3.3	0	9.7	1	1.3	1	0.341	0	2.461	0	7.225	-1	2138	49	1.7
15475.7	10000	38.7191	95.7085	-625	PS	3.5	1	9.7	1	1.3	1	0.362	1	2.617	0	7.222	-1	2154	45	1.7
15475.6	10000	38.7191	95.7077	-625	PS	3.4	0	10.0	1	1.3	1	0.337	0	2.523	0	7.488	-1	2164	38	1.7
15475.5	10000	38.7191	95.7070	-624	PS	3.4	0	10.4	1	1.3	1	0.323	0	2.543	0	7.882	0	2157	53	1.7
15475.4	10000	38.7191	95.7062	-625	PS	3.1	0	10.1	0	1.4	1	0.306	0	2.281	-1	7.453	-1	2152	47	1.7
15475.3	10000	38.7191	95.7055	-625	PS	3.2	0	9.9	1	1.3	1	0.320	0	2.463	0	7.696	0	2150	37	1.7
15475.2	10000	38.7191	95.7047	-624	PS	3.3	0	9.4	1	1.2	0	0.354	0	2.667	0	7.531	-1	2148	56	1.7
15475.1	10000	38.7191	95.7040	-625	PS	3.5	1	9.5	1	1.2	0	0.362	1	2.778	0	7.676	-1	2147	59	1.8
15475.0	10000	38.7191	95.7032	-625	PS	3.5	1	9.4	1	1.2	0	0.372	1	2.833	0	7.624	-1	2145	46	1.8
15474.9	10000	38.7191	95.7025	-625	PS	3.3	1	9.5	1	1.3	0	0.346	1	2.631	0	7.600	-1	2155	43	1.8
15474.8	10000	38.7191	95.7017	-624	PS	3.3	1	9.5	1	1.3	1	0.347	1	2.520	0	7.271	-1	2175	48	1.8
15474.7	10000	38.7191	95.7009	-625	PS	3.2	1	9.8	1	1.3	1	0.330	1	2.531	0	7.658	-1	2175	41	1.8
15474.6	10000	38.7191	95.7002	-625	PS	3.2	1	9.9	1	1.3	1	0.323	1	2.491	0	7.712	0	2183	52	1.8
15474.5	10000	38.7191	95.6994	-624	PS	3.1	1	10.6	1	1.3	1	0.291	0	2.346	0	8.064	0	2184	48	1.8
15474.4	10000	38.7191	95.6987	-625	PS	2.9	0	10.8	1	1.4	1	0.266	-1	2.095	-1	7.878	0	2191	48	1.8
15474.3	10000	38.7191	95.6979	-626	PS	2.7	-1	11.0	1	1.4	1	0.244	-1	1.970	-1	8.063	0	2195	45	1.8
15474.2	10000	38.7191	95.6971	-625	PS	2.7	-1	11.0	1	1.4	1	0.249	-1	1.982	-1	7.969	0	2193	46	1.8
15474.1	10000	38.7191	95.6964	-625	PS	2.5	-1	10.6	1	1.3	1	0.230	-1	1.919	-1	8.343	0	2191	49	1.8
15474.0	10000	38.7191	95.6956	-626	PS	2.7	-1	11.3	1	1.4	1	0.256	-1	2.061	-1	8.044	0	2200	61	1.8
15473.9	10000	38.7191	95.6949	-627	PS	2.6	-1	10.8	1	1.4	1	0.229	-1	1.910	-1	8.339	0	2209	45	1.8
15473.8	10000	38.7192	95.6941	-625	PS	2.6	-1	10.9	1	1.4	1	0.241	-1	1.886	-1	7.816	0	2213	41	1.8
15473.7	10000	38.7192	95.6934	-625	PS	2.7	0	10.8	1	1.4	1	0.271	-1	2.144	-1	7.924	0	2217	46	1.8
15473.6	10000	38.7192	95.6926	-626	PS	2.7	0	10.7	1	1.4	1	0.249	-1	1.904	-2	7.636	-1	2223	46	1.8
15473.5	10000	38.7192	95.6918	-627	PS	2.7	0	10.6	1	1.4	1	0.275	-1	2.142	-1	7.781	0	2236	61	1.8
15473.4	10000	38.7192	95.6911	-625	PS	2.9	0	11.0	1	1.4	1	0.283	-1	2.154	-1	7.615	-1	2228	53	1.8
15473.3	10000	38.7192	95.6903	-626	PS	2.9	0	10.3	1	1.4	1	0.268	-1	2.061	-1	7.700	-1	2232	49	1.8
15473.2	10000	38.7192	95.6896	-627	PS	2.9	0	10.4	1	1.4	1	0.307	0	2.211	-1	7.211	-1	2220	39	1.8
15473.1	10000	38.7192	95.6888	-626	PS	3.1	0	10.4	1	1.4	1	0.315	0	2.309	-1	7.326	-1	2219	52	1.8
15473.0	10000	38.7192	95.6880	-626	PS	3.1	0	10.1	1	1.3	1	0.315	0	2.308	-1	7.336	-1	2212	50	1.8
15472.9	10000	38.7192	95.6873	-626	PS	3.2	0	9.9	1	1.4	1	0.327	0	2.452	0	7.500	-1	2198	37	1.8
15472.8	10000	38.7192	95.6865	-626	PS	3.3	0	9.7	1	1.4	1	0.336	0	2.363	0	7.240	-1	2176	50	1.8
15472.7	10000	38.7192	95.6858	-625	PS	3.1	0	9.7	1	1.4	1	0.320	0	2.332	0	6.942	-1	2177	44	1.8
15472.6	10000	38.7192	95.6850	-625	PS	3.0	0	10.0	1	1.4	1	0.297	-1	2.227	-1	6.956	-1	2165	45	1.8
15472.5	10000	38.7192	95.6843	-626	PS	2.7	-1	10.1	1	1.4	1	0.269	-1	2.156	-1	7.252	-1	2180	64	1.8
15472.4	10000	38.7192	95.6835	-626	PS	2.7	-1	10.1	1	1.4	1	0.269	-1	2.007	-1	7.463	-1	2181	42	1.8

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15472.3	10000	38.7192	95.6828	-625	PS	2.7	-1	10.6	1	1.4	1	0.257	-1	1.993	-1	7.757	0	2180	58	1.8
15472.2	10000	38.7192	95.6820	-626	PS	2.7	-1	10.8	1	1.4	1	0.247	-1	1.978	-1	7.999	0	2199	40	1.8
15472.1	10000	38.7192	95.6812	-627	PS	3.1	0	10.8	1	1.4	1	0.282	-1	2.246	-1	7.967	0	2212	43	1.8
15472.0	10000	38.7192	95.6805	-626	PS	3.2	0	10.7	1	1.4	1	0.299	0	2.367	-1	7.913	0	2228	44	1.8
15471.9	10000	38.7192	95.6797	-626	PS	3.3	0	10.5	1	1.3	1	0.315	0	2.513	0	7.989	0	2225	48	1.8
15471.8	10000	38.7193	95.6790	-627	PS	3.3	0	10.7	1	1.3	1	0.304	0	2.493	0	8.200	0	2204	52	1.8
15471.7	10000	38.7193	95.6782	-627	PS	3.3	0	10.6	1	1.3	1	0.315	0	2.540	0	8.056	0	2203	42	1.8
15471.6	10000	38.7193	95.6774	-626	PS	3.3	0	10.0	1	1.4	1	0.333	0	2.446	0	7.339	-1	2193	51	1.8
15471.5	10000	38.7193	95.6767	-625	PS	3.5	1	9.6	1	1.4	1	0.370	0	2.564	0	6.934	-1	2187	45	1.8
15471.4	10000	38.7193	95.6759	-624	PS	3.1	0	9.3	0	1.3	1	0.328	0	2.288	-1	6.983	-1	2156	44	1.8
15471.3	10000	38.7193	95.6752	-625	PS	2.9	0	9.6	0	1.3	1	0.307	0	2.307	-1	7.512	-1	2120	50	1.8
15471.2	10000	38.7193	95.6744	-625	PS	2.9	0	10.0	0	1.3	1	0.290	-1	2.245	-1	7.735	0	2126	66	1.8
15471.1	10000	38.7193	95.6737	-624	PS	2.9	-1	9.5	0	1.3	1	0.302	0	2.222	-1	7.360	-1	2116	61	1.8
15471.0	10000	38.7193	95.6729	-623	PS	2.8	-1	9.8	0	1.3	1	0.283	-1	2.211	-1	7.805	0	2105	35	1.8
15470.9	10000	38.7193	95.6721	-623	PS	2.9	0	10.1	0	1.2	0	0.290	-1	2.445	0	8.442	0	2119	30	1.8
15470.8	10000	38.7193	95.6714	-624	PS	3.0	0	10.3	1	1.2	0	0.288	-1	2.470	0	8.572	0	2124	44	1.8
15470.7	10000	38.7193	95.6706	-623	PS	3.1	0	10.3	1	1.2	0	0.304	0	2.545	0	8.374	0	2142	59	1.8
15470.6	10000	38.7193	95.6699	-623	PS	3.2	0	10.3	1	1.2	0	0.310	0	2.568	0	8.275	0	2162	43	1.8
15470.5	10000	38.7193	95.6691	-624	PS	3.2	0	10.3	1	1.3	0	0.313	0	2.566	0	8.193	0	2174	43	1.8
15470.4	10000	38.7193	95.6684	-624	PS	3.1	0	10.7	1	1.3	1	0.293	-1	2.453	0	8.367	0	2187	41	1.8
15470.3	10000	38.7193	95.6676	-625	PS	3.3	0	10.3	1	1.3	1	0.322	0	2.543	0	7.888	0	2196	39	1.8
15470.2	10000	38.7193	95.6668	-626	PS	3.2	0	10.0	1	1.4	1	0.320	0	2.302	-1	7.196	-1	2207	52	1.8
15470.1	10000	38.7193	95.6661	-628	PS	2.9	0	10.3	1	1.4	1	0.283	-1	2.015	-1	7.115	-1	2206	40	1.8
15470.0	10000	38.7193	95.6653	-628	PS	2.9	0	10.2	1	1.4	1	0.284	-1	2.021	-1	7.105	-1	2195	42	1.8
15469.9	10000	38.7193	95.6646	-628	PS	3.0	0	10.2	0	1.4	1	0.299	-1	2.103	-1	7.040	-1	2172	44	1.8
15469.8	10000	38.7193	95.6638	-631	PS	3.2	0	9.2	0	1.4	1	0.342	0	2.216	-1	6.479	-1	2145	57	1.8
15469.7	10000	38.7194	95.6631	-633	PS	3.5	1	8.9	-1	1.4	1	0.393	1	2.530	0	6.442	-1	2143	47	1.8
15469.6	10000	38.7194	95.6623	-634	PS	3.5	1	9.0	-1	1.4	1	0.389	1	2.572	0	6.609	-1	2151	49	1.8
15469.5	10000	38.7194	95.6615	-636	QAL	3.4	1	9.5	0	1.3	0	0.358	0	2.631	0	7.341	0	2130	42	1.8
15469.4	10000	38.7194	95.6608	-640	QAL	3.6	1	9.5	0	1.3	1	0.406	1	2.951	1	7.274	0	2109	39	1.7
15469.3	10000	38.7194	95.6600	-642	QAL	3.6	1	9.5	0	1.3	1	0.396	1	2.999	1	7.565	0	2112	42	1.7
15469.2	10000	38.7194	95.6593	-644	QAL	3.6	1	9.5	0	1.3	1	0.389	1	2.927	1	7.517	0	2121	39	1.7
15469.1	10000	38.7194	95.6585	-647	QAL	3.4	1	9.5	0	1.3	1	0.361	1	2.838	1	7.867	0	2115	52	1.7
15469.0	10000	38.7194	95.6578	-650	QAL	3.2	1	9.4	0	1.3	1	0.337	1	2.534	1	7.520	0	2101	44	1.7
15468.9	10000	38.7194	95.6570	-652	QAL	3.5	1	9.8	0	1.3	1	0.363	1	2.569	1	7.080	0	2069	32	1.7
15468.8	10000	38.7194	95.6562	-655	QAL	3.5	1	9.2	0	1.3	1	0.432	1	2.820	1	6.530	-1	2052	37	1.7
15468.7	10000	38.7194	95.6555	-657	QAL	3.4	1	9.1	0	1.3	1	0.424	1	2.891	1	6.822	-1	2035	39	1.7
15468.6	10000	38.7194	95.6547	-659	QAL	3.3	1	9.4	0	1.3	1	0.393	1	2.705	1	6.874	0	2031	54	1.7
15468.5	10000	38.7194	95.6540	-661	QAL	3.1	1	9.4	0	1.3	1	0.363	1	2.523	1	6.957	0	2040	61	1.7
15468.4	10000	38.7194	95.6532	-663	QAL	3.1	1	9.4	0	1.3	1	0.365	1	2.504	1	6.866	0	2067	49	1.7
15468.3	10000	38.7194	95.6525	-666	QAL	3.5	1	9.4	0	1.3	1	0.409	1	2.795	1	6.834	-1	2089	54	1.7
15468.2	10000	38.7194	95.6517	-667	QAL	3.4	1	9.4	0	1.3	1	0.367	1	2.847	1	6.752	0	2112	44	1.7
15468.1	10000	38.7194	95.6509	-668	QAL	3.6	1	9.4	0	1.3	1	0.383	1	2.144	1	6.657	1	2141	59	1.7
15468.0	10000	38.7194	95.6502	-671	QAL	3.8	1	9.4	0	1.3	1	0.401	1	2.386	1	6.902	1	2196	48	1.7
15467.9	10000	38.7194	95.6494	-670	QAL	4.0	1	9.4	0	1.3	1	0.417	1	2.863	1	6.632	1	2208	41	1.7
15467.8	10000	38.7194	95.6487	-670	QAL	4.3	1	9.4	0	1.3	1	0.383	1	2.914	1	6.395	1	2229	44	1.7
15467.7	10000	38.7194	95.6479	-672	QAL	4.2	1	9.4	0	1.3	1	0.389	1	2.746	1	6.791	1	2237	44	1.7
15467.6	10000	38.7194	95.6472	-672	QAL	4.2	1	9.4	0	1.3	1	0.413	1	2.960	1	7.190	1	2216	57	1.7
15467.5	10000	38.7195	95.6464	-672	QAL	4.3	1	9.4	0	1.3	1	0.391	1	2.810	1	7.226	1	2203	60	1.6
15467.4	10000	38.7195	95.6456	-672	PS	4.0	1	9.4	0	1.3	1	0.382	1	2.476	1	7.890	1	2173	46	1.6
15467.3	10000	38.7195	95.6449	-672	PS	3.8	1	9.4	0	1.3	1	0.387	1	2.309	1	7.659	1	2137	45	1.6
15467.2	10000	38.7195	95.6441	-672	PS	3.8	1	9.7	0	1.2	1	0.387	1	2.210	1	7.291	1	2117	44	1.6

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15467.1	10000	38.7195	95.6434	-671	PS	3.6	1	9.7	0	1.1	0	0.376	1	3.185	1	8.467	0	2061	51	1.6
15467.0	10000	38.7195	95.6426	-671	PS	3.7	1	9.2	0	1.1	0	0.398	1	3.215	1	8.071	0	2017	47	1.6
15466.9	10000	38.7195	95.6418	-671	PS	3.7	1	9.5	0	1.1	0	0.385	1	3.282	1	8.516	0	2013	37	1.6
15466.8	10000	38.7195	95.6411	-670	PS	3.3	0	9.6	0	1.1	-1	0.347	0	3.145	1	9.069	1	2011	44	1.6
15466.7	10000	38.7195	95.6403	-669	PS	3.3	0	9.8	0	1.1	0	0.335	0	2.983	1	8.918	0	2019	42	1.6
15466.6	10000	38.7195	95.6396	-669	PS	3.2	0	10.0	0	1.1	0	0.324	0	2.916	0	8.992	1	2038	46	1.6
15466.5	10000	38.7195	95.6388	-668	PS	2.9	-1	9.8	0	1.1	-1	0.294	-1	2.706	0	9.199	1	2017	40	1.6
15466.4	10000	38.7195	95.6380	-666	PS	3.2	0	10.1	0	1.0	-1	0.312	0	3.057	1	9.784	1	2022	50	1.6
15466.3	10000	38.7195	95.6372	-662	PS	3.2	0	10.3	1	1.0	-1	0.307	0	3.233	1	10.520	2	2025	48	1.6
15466.2	10000	38.7195	95.6364	-663	PS	3.2	0	10.0	0	1.0	-1	0.317	0	3.155	1	9.954	1	2025	55	1.6
15466.1	10000	38.7196	95.6356	-662	PS	3.5	1	9.8	0	1.0	-1	0.360	1	3.567	2	9.895	1	2030	40	1.6
15466.0	10000	38.7196	95.6349	-660	PS	3.6	1	10.0	0	0.9	-1	0.360	1	3.816	2	10.590	2	2048	43	1.6
15465.9	10000	38.7196	95.6341	-658	PS	3.8	1	9.8	0	0.9	-1	0.390	1	4.115	3	10.564	2	2048	41	1.5
15465.8	10000	38.7196	95.6333	-657	PS	4.2	2	10.1	0	1.0	-1	0.414	2	4.095	3	9.883	1	2085	67	1.5
15465.7	10000	38.7196	95.6325	-654	PS	4.2	2	9.8	0	1.1	-1	0.431	2	3.958	2	9.194	1	2115	48	1.5
15465.6	10000	38.7196	95.6317	-652	PS	4.3	2	9.4	0	1.1	0	0.458	2	3.888	2	8.498	0	2130	41	1.5
15465.5	10000	38.7196	95.6309	-650	PS	4.2	2	9.6	0	1.1	0	0.435	2	3.709	2	8.527	0	2136	40	1.5
15465.4	10000	38.7196	95.6302	-648	PS	4.0	2	10.3	1	1.2	0	0.391	1	3.333	1	8.535	0	2157	44	1.5
15465.3	10000	38.7196	95.6294	-644	PS	3.7	1	10.0	0	1.3	1	0.366	1	2.745	0	7.510	-1	2151	43	1.5
15465.2	10000	38.7196	95.6286	-642	PS	3.6	1	9.9	0	1.4	1	0.369	1	2.676	0	7.255	-1	2152	37	1.5
15465.1	10000	38.7197	95.6278	-640	PS	3.6	1	9.8	0	1.3	1	0.371	1	2.741	0	7.395	-1	2128	49	1.5
15465.0	10000	38.7197	95.6270	-637	PS	3.4	1	9.5	0	1.3	1	0.357	1	2.640	0	7.396	-1	2113	42	1.5
15464.9	10000	38.7197	95.6262	-634	PS	3.6	1	9.6	0	1.3	1	0.378	1	2.821	0	7.466	-1	2118	53	1.5
15464.8	10000	38.7197	95.6255	-632	PS	3.5	1	9.1	0	1.3	1	0.381	1	2.664	0	6.994	-1	2093	56	1.5
15464.7	10000	38.7197	95.6247	-630	PS	3.4	1	8.7	-1	1.3	0	0.392	1	2.698	0	6.875	-1	2065	56	1.5
15464.6	10000	38.7197	95.6239	-627	PS	3.8	1	9.0	-1	1.2	1	0.422	2	3.026	1	7.172	-1	2074	54	1.5
15464.5	10000	38.7197	95.6231	-625	PS	3.8	1	9.1	-1	1.3	1	0.415	2	3.010	1	7.259	-1	2069	40	1.5
15464.4	10000	38.7197	95.6223	-623	PS	3.7	1	8.7	-1	1.2	0	0.428	2	3.001	1	7.013	-1	2075	53	1.5
15464.3	10000	38.7197	95.6215	-621	PS	3.7	1	9.1	0	1.3	1	0.402	1	2.795	0	6.953	-1	2077	48	1.5
15464.2	10000	38.7197	95.6207	-618	PS	3.4	1	9.6	0	1.3	1	0.352	0	2.576	0	7.312	-1	2069	61	1.5
15464.1	10000	38.7198	95.6200	-617	PS	3.7	1	10.1	0	1.3	1	0.368	1	2.866	0	7.787	0	2094	42	1.5
15464.0	10000	38.7198	95.6192	-616	PS	3.6	1	9.7	0	1.3	1	0.372	1	2.805	0	7.539	-1	2109	53	1.4
15463.9	10000	38.7198	95.6184	-614	PS	3.6	1	9.6	0	1.3	1	0.382	1	2.905	0	7.605	-1	2105	43	1.4
15463.8	10000	38.7198	95.6176	-612	PS	3.7	1	9.6	0	1.3	1	0.388	1	2.962	0	7.732	0	2114	50	1.4
15463.7	10000	38.7198	95.6168	-611	PS	3.7	1	9.7	0	1.3	1	0.388	1	2.940	0	7.670	-1	2142	48	1.4
15463.6	10000	38.7198	95.6160	-611	PS	3.7	1	9.7	0	1.3	1	0.395	1	2.897	0	7.369	-1	2170	48	1.4
15463.5	10000	38.7198	95.6153	-609	PS	3.8	1	9.7	0	1.3	1	0.420	2	2.790	0	6.649	-1	2195	48	1.4
15463.4	10000	38.7198	95.6145	-608	PS	3.5	1	9.4	0	1.3	1	0.388	2	2.567	0	6.621	-1	2199	44	1.4
15463.3	10000	38.7198	95.6137	-608	PS	3.5	1	9.4	0	1.3	1	0.382	2	2.534	0	6.636	-1	2190	46	1.4
15463.2	10000	38.7198	95.6129	-606	PS	3.6	1	9.4	0	1.3	1	0.391	2	2.581	0	6.607	-1	2169	48	1.4
15463.1	10000	38.7199	95.6121	-605	PS	3.7	1	9.4	0	1.3	1	0.420	3	2.658	0	6.335	-2	2149	52	1.4
15463.0	10000	38.7199	95.6113	-604	PS	3.5	1	9.4	0	1.3	1	0.402	3	2.547	0	6.313	-2	2118	48	1.4
15462.9	10000	38.7199	95.6106	-603	PS	3.6	1	9.4	0	1.3	1	0.391	3	2.803	0	6.969	-1	2099	56	1.4
15462.8	10000	38.7199	95.6098	-601	PS	3.6	1	9.4	0	1.3	1	0.411	3	2.934	0	7.494	-1	2077	43	1.4
15462.7	10000	38.7199	95.6090	-600	PS	3.6	1	9.4	0	1.3	1	0.419	3	2.933	0	7.615	-1	2072	56	1.4
15462.6	10000	38.7199	95.6082	-599	PS	3.6	1	9.4	0	1.3	1	0.388	2	2.787	0	7.375	-1	2088	46	1.4
15462.5	10000	38.7199	95.6074	-598	PS	3.6	1	9.4	0	1.3	1	0.342	2	2.621	0	7.454	-1	2106	52	1.4
15462.4	10000	38.7199	95.6066	-595	PS	3.6	1	9.4	0	1.3	1	0.337	2	2.594	0	7.655	-1	2129	43	1.4
15462.3	10000	38.7199	95.6059	-594	PS	3.6	1	9.4	0	1.3	1	0.372	2	2.943	0	7.900	0	2165	44	1.4
15462.2	10000	38.7199	95.6051	-592	PS	3.6	1	9.4	0	1.3	1	0.396	2	2.909	0	7.350	-1	2180	49	1.4
15462.1	10000	38.7199	95.6043	-590	PS	3.6	1	9.4	0	1.3	1	0.387	2	2.694	0	6.957	-1	2203	41	1.4
15462.0	10000	38.7200	95.6035	-587	PS	3.6	1	9.4	0	1.4	1	0.371	2	2.616	0	7.046	-1	2220	44	1.4

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15461.9	10000	38.7200	95.6027	-586	PS	3.9	1	9.9	0	1.3	1	0.388	1	2.871	0	7.404	-1	2226	50	1.4
15461.8	10000	38.7200	95.6019	-583	PS	3.8	1	10.0	0	1.3	1	0.375	1	2.849	0	7.597	-1	2227	44	1.4
15461.7	10000	38.7200	95.6012	-581	PS	3.8	1	10.2	1	1.3	1	0.367	1	2.836	0	7.737	0	2230	44	1.4
15461.6	10000	38.7200	95.6004	-578	PS	3.5	1	10.4	1	1.3	1	0.340	0	2.686	0	7.904	0	2209	48	1.4
15461.5	10000	38.7200	95.5996	-576	PS	3.3	0	10.5	1	1.3	1	0.318	0	2.601	0	8.181	0	2198	45	1.4
15461.4	10000	38.7200	95.5988	-574	PS	3.5	1	10.8	1	1.2	0	0.323	0	2.788	0	8.629	0	2187	48	1.4
15461.3	10000	38.7200	95.5980	-570	PS	3.4	1	10.9	1	1.3	1	0.315	0	2.678	0	8.491	0	2178	42	1.4
15461.2	10000	38.7200	95.5972	-567	PS	3.1	0	11.4	2	1.3	1	0.275	-1	2.425	-1	8.831	0	2183	74	1.4
15461.1	10000	38.7201	95.5965	-565	PS	3.5	1	11.5	2	1.3	1	0.301	0	2.680	0	8.900	0	2210	44	1.4
15461.0	10000	38.7201	95.5957	-562	PS	3.5	1	11.6	2	1.3	1	0.299	0	2.700	0	9.018	1	2218	48	1.4
15460.9	10000	38.7201	95.5949	-558	PS	3.5	1	11.6	2	1.3	1	0.300	0	2.714	0	9.046	1	2228	48	1.4
15460.8	10000	38.7201	95.5941	-556	PS	3.7	1	11.8	2	1.3	1	0.312	0	2.885	0	9.245	1	2240	42	1.4
15460.7	10000	38.7201	95.5933	-553	PS	3.9	2	11.8	2	1.3	1	0.330	0	3.034	1	9.187	1	2262	42	1.4
15460.6	10000	38.7201	95.5925	-550	PS	3.8	1	11.6	2	1.3	0	0.325	0	3.010	1	9.260	1	2267	53	1.4
15460.5	10000	38.7201	95.5918	-546	PS	3.9	2	11.3	1	1.3	1	0.343	0	3.003	1	8.746	0	2265	48	1.4
15460.4	10000	38.7201	95.5910	-543	PS	3.7	1	10.6	1	1.3	1	0.351	0	2.845	0	8.099	0	2247	52	1.4
15460.3	10000	38.7201	95.5902	-540	PS	3.7	1	10.3	1	1.3	1	0.357	1	2.843	0	7.969	0	2238	44	1.4
15460.2	10000	38.7201	95.5894	-536	PS	3.7	1	10.2	0	1.3	1	0.364	1	2.771	0	7.608	-1	2229	47	1.4
15460.1	10000	38.7202	95.5886	-533	PS	3.4	1	10.5	1	1.3	1	0.323	0	2.561	0	7.938	0	2213	55	1.4
15460.0	10000	38.7202	95.5878	-530	PS	3.1	0	10.4	1	1.4	1	0.295	-1	2.274	-1	7.696	0	2199	53	1.4
15459.9	10000	38.7202	95.5871	-526	PS	3.2	0	10.4	1	1.4	1	0.305	0	2.245	-1	7.361	-1	2196	49	1.4
15459.8	10000	38.7202	95.5863	-521	PS	3.4	0	10.0	0	1.4	1	0.336	0	2.430	-1	7.226	-1	2185	49	1.4
15459.7	10000	38.7202	95.5855	-518	PS	3.4	0	10.5	1	1.4	1	0.320	0	2.412	-1	7.542	-1	2167	39	1.4
15459.6	10000	38.7202	95.5847	-514	PS	3.6	1	10.5	1	1.4	1	0.339	0	2.597	0	7.649	-1	2147	53	1.4
15459.5	10000	38.7202	95.5839	-509	PS	3.6	1	10.3	1	1.3	1	0.347	0	2.663	0	7.667	-1	2115	51	1.4
15459.4	10000	38.7202	95.5831	-504	PS	3.8	1	9.3	0	1.3	1	0.412	2	2.851	0	6.926	-1	2098	41	1.4
15459.3	10000	38.7202	95.5824	-500	PS	3.9	1	9.3	1	1.3	1	0.419	2	2.993	1	7.147	-1	2074	38	1.5
15459.2	10000	38.7202	95.5816	-495	PS	3.8	1	9.4	1	1.3	1	0.402	2	2.991	1	7.438	-1	2057	49	1.5
15459.1	10000	38.7203	95.5808	-489	PS	3.4	1	9.7	1	1.3	1	0.351	1	2.662	0	7.581	-1	2042	56	1.5
15459.0	10000	38.7203	95.5800	-485	PS	3.1	1	9.5	1	1.3	1	0.346	0	2.596	0	7.498	-1	2053	38	1.5
15458.9	10000	38.7203	95.5792	-480	PS	2.9	1	9.9	1	1.3	1	0.315	0	2.362	-1	7.500	-1	2055	48	1.5
15458.8	10000	38.7203	95.5784	-475	PS	3.0	1	10.0	1	1.4	1	0.284	-1	2.066	-1	7.262	-1	2097	49	1.5
15458.7	10000	38.7203	95.5777	-469	PS	3.0	1	10.3	1	1.4	1	0.294	-1	2.137	-1	7.268	-1	2134	41	1.5
15458.6	10000	38.7203	95.5769	-464	PS	3.2	1	10.2	1	1.4	1	0.308	-1	2.214	-1	7.180	-1	2163	29	1.5
15458.5	10000	38.7203	95.5761	-460	PS	3.2	1	10.2	1	1.4	1	0.317	-1	2.323	-1	7.338	-1	2175	58	1.5
15458.4	10000	38.7203	95.5753	-455	PS	3.6	1	10.4	1	1.4	1	0.350	0	2.705	0	7.729	0	2197	53	1.5
15458.3	10000	38.7203	95.5745	-450	PS	3.6	1	10.6	1	1.4	1	0.339	0	2.606	0	7.692	0	2207	48	1.5
15458.2	10000	38.7203	95.5737	-446	PS	3.7	1	10.4	1	1.4	1	0.356	0	2.729	0	7.659	-1	2228	52	1.5
15458.1	10000	38.7204	95.5730	-441	PS	3.9	1	10.5	1	1.4	1	0.369	0	2.965	1	8.046	0	2239	56	1.5
15458.0	10000	38.7204	95.5722	-436	PS	3.7	1	10.3	1	1.4	1	0.361	0	2.898	1	8.026	0	2224	52	1.5
15457.9	10000	38.7204	95.5714	-432	PS	3.8	1	10.4	1	1.4	1	0.366	0	2.988	1	8.162	0	2234	49	1.5
15457.8	10000	38.7204	95.5706	-429	PS	3.8	1	10.4	1	1.4	1	0.365	0	2.942	1	8.070	0	2235	59	1.5
15457.7	10000	38.7204	95.5698	-425	PS	3.4	1	10.6	1	1.4	1	0.325	0	2.618	0	8.056	0	2222	44	1.5
15457.6	10000	38.7204	95.5690	-421	PS	3.4	1	10.6	1	1.4	1	0.323	0	2.668	0	8.267	0	2186	49	1.5
15457.5	10000	38.7204	95.5683	-417	PS	3.2	1	10.2	1	1.4	1	0.313	0	2.506	0	8.004	0	2164	53	1.5
15457.4	10000	38.7204	95.5675	-414	PS	3.3	1	10.1	1	1.4	1	0.329	0	2.608	0	7.923	0	2118	56	1.5
15457.3	10000	38.7204	95.5667	-410	PS	3.2	1	9.9	1	1.4	1	0.323	0	2.532	0	7.836	0	2097	51	1.6
15457.2	10000	38.7204	95.5659	-405	PS	3.2	1	9.8	1	1.4	1	0.323	0	2.418	-1	7.479	-1	2084	42	1.6
15457.1	10000	38.7205	95.5651	-402	PS	3.0	1	9.9	1	1.4	1	0.305	-1	2.285	-1	7.486	-1	2087	43	1.6
15457.0	10000	38.7205	95.5643	-399	PS	3.3	1	10.0	1	1.4	1	0.331	-1	2.423	-1	7.315	-1	2106	66	1.6
15456.9	10000	38.7205	95.5636	-395	PS	3.2	1	10.1	1	1.4	1	0.314	-1	2.248	-1	7.165	-1	2134	45	1.6
15456.8	10000	38.7205	95.5628	-392	PS	3.2	1	9.8	0	1.4	1	0.327	-1	2.237	-1	6.841	-1	2146	48	1.6

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15456.7	10000	38.7205	95.5620	-389	PS	3.1	0	10.4	1	1.5	2	0.295	-1	2.080	-1	7.056	-1	2201	53	1.6
15456.6	10000	38.7205	95.5612	-385	PS	3.0	0	10.9	1	1.5	2	0.277	-1	2.016	-1	7.281	-1	2259	49	1.6
15456.5	10000	38.7205	95.5604	-380	PS	2.8	-1	10.9	1	1.4	1	0.260	-1	1.975	-1	7.592	-1	2269	61	1.6
15456.4	10000	38.7205	95.5596	-377	PS	3.3	0	10.8	1	1.4	1	0.305	0	2.300	-1	7.550	-1	2285	51	1.6
15456.3	10000	38.7205	95.5589	-373	PS	3.1	0	10.8	1	1.4	1	0.289	-1	2.173	-1	7.508	-1	2300	58	1.6
15456.2	10000	38.7205	95.5581	-368	PS	3.4	1	10.8	1	1.4	1	0.312	0	2.348	-1	7.516	-1	2300	49	1.6
15456.1	10000	38.7205	95.5573	-362	PS	3.4	1	11.0	1	1.4	1	0.311	0	2.440	-1	7.844	0	2296	49	1.6
15456.0	10000	38.7206	95.5565	-358	PS	3.6	1	10.6	1	1.4	1	0.339	0	2.550	0	7.519	-1	2284	53	1.6
15455.9	10000	38.7206	95.5557	-352	PS	3.5	1	10.6	1	1.4	1	0.329	0	2.515	0	7.653	-1	2245	38	1.7
15455.8	10000	38.7206	95.5549	-345	PS	3.3	0	10.4	1	1.4	1	0.321	0	2.450	0	7.640	-1	2209	35	1.7
15455.7	10000	38.7206	95.5542	-340	PS	3.0	0	10.0	0	1.3	1	0.297	-1	2.232	-1	7.504	-1	2168	47	1.7
15455.6	10000	38.7206	95.5534	-334	PS	3.0	0	9.3	0	1.3	1	0.322	0	2.317	-1	7.204	-1	2092	42	1.7
15455.5	10000	38.7206	95.5526	-326	PS	2.9	0	8.6	-1	1.3	0	0.340	0	2.344	-1	6.893	-1	2049	46	1.7
15455.4	10000	38.7206	95.5518	-319	PS	3.0	0	8.7	-1	1.2	0	0.344	0	2.409	-1	6.992	-1	2030	44	1.7
15455.3	10000	38.7206	95.5510	-313	PS	3.0	0	8.5	-1	1.2	0	0.350	0	2.463	0	7.033	-1	2011	46	1.7
15455.2	10000	38.7206	95.5502	-307	PS	3.0	0	8.2	-1	1.2	0	0.365	1	2.486	0	6.805	-1	1993	52	1.7
15455.1	10000	38.7206	95.5495	-298	PS	3.2	0	8.2	-1	1.2	0	0.394	1	2.631	0	6.683	-1	1979	45	1.7
15455.0	10000	38.7207	95.5487	-290	PS	3.3	0	8.2	-1	1.3	0	0.399	1	2.610	0	6.533	-1	1983	43	1.7
15454.9	10000	38.7207	95.5479	-284	PS	3.4	1	8.4	-1	1.2	0	0.407	1	2.806	0	6.896	-1	2000	58	1.7
15454.8	10000	38.7207	95.5471	-275	PS	3.5	1	8.8	-1	1.2	0	0.402	1	2.963	1	7.362	-1	2026	38	1.7
15454.7	10000	38.7207	95.5463	-268	PS	3.6	1	8.9	-1	1.3	0	0.400	1	2.841	0	7.093	-1	2043	52	1.7
15454.6	10000	38.7207	95.5455	-261	PS	3.5	1	9.0	-1	1.2	0	0.385	1	2.829	0	7.348	-1	2032	46	1.7
15454.5	10000	38.7207	95.5448	-254	PS	3.9	2	9.2	0	1.2	0	0.429	2	3.341	1	7.796	0	2030	54	1.7
15454.4	10000	38.7207	95.5440	-246	PS	4.2	2	9.2	0	1.1	0	0.460	2	3.791	2	8.246	0	2037	42	1.7
15454.3	10000	38.7207	95.5432	-239	PS	4.3	2	9.0	-1	1.1	-1	0.475	3	4.024	3	8.469	0	2030	52	1.8
15454.2	10000	38.7207	95.5424	-233	PS	4.4	3	8.8	-1	1.1	0	0.504	3	4.015	3	7.969	0	2070	41	1.8
15454.1	10000	38.7207	95.5416	-226	PS	4.3	2	8.4	-1	1.1	0	0.517	3	3.817	2	7.381	-1	2080	39	1.8
15454.0	10000	38.7207	95.5408	-219	PS	4.3	2	8.8	-1	1.1	0	0.484	3	3.794	2	7.831	0	2090	43	1.8
15453.9	10000	38.7208	95.5401	-213	PS	4.1	2	8.8	-1	1.1	0	0.464	2	3.600	2	7.762	0	2115	50	1.8
15453.8	10000	38.7208	95.5393	-208	PS	3.7	1	9.0	-1	1.2	0	0.409	1	3.011	1	7.354	-1	2142	50	1.8
15453.7	10000	38.7208	95.5385	-201	PS	3.5	1	9.4	0	1.3	0	0.372	0	2.620	0	7.049	-1	2177	45	1.8
15453.6	10000	38.7208	95.5377	-196	PS	3.3	0	9.6	0	1.4	0	0.347	-1	2.438	-1	7.027	-1	2188	45	1.8
15453.5	10000	38.7208	95.5369	-190	PS	2.9	0	10.2	1	1.4	1	0.286	-1	2.072	-1	7.233	-1	2182	44	1.8
15453.4	10000	38.7208	95.5361	-183	PS	2.7	-1	10.8	1	1.4	1	0.250	-1	1.949	-1	7.799	0	2186	56	1.8
15453.3	10000	38.7208	95.5354	-177	PS	2.6	-1	10.6	1	1.4	1	0.250	-1	1.928	-2	7.708	0	2179	49	1.8
15453.2	10000	38.7208	95.5346	-173	PS	2.5	-1	10.1	0	1.4	1	0.245	-1	1.783	-2	7.274	-1	2165	38	1.8
15453.1	10000	38.7208	95.5338	-167	PS	2.7	-1	9.8	0	1.4	1	0.279	-1	1.964	-1	7.037	-1	2157	56	1.8
15453.0	10000	38.7208	95.5330	-160	PS	2.4	-2	9.8	0	1.4	1	0.243	-2	1.734	-2	7.150	-1	2136	44	1.8
15452.9	10000	38.7208	95.5322	-156	PS	2.4	-1	10.3	1	1.4	1	0.233	-2	1.732	-2	7.438	-1	2131	48	1.8
15452.8	10000	38.7209	95.5314	-152	PS	2.4	-2	10.2	1	1.4	1	0.230	-2	1.692	-2	7.354	-1	2124	44	1.8
15452.7	10000	38.7209	95.5307	-146	PS	2.5	-1	10.2	1	1.4	1	0.241	-2	1.739	-2	7.215	-1	2122	40	1.8
15452.6	10000	38.7209	95.5299	-141	PS	2.3	-2	10.2	1	1.4	1	0.229	-2	1.654	-2	7.205	-1	2098	38	1.8
15452.5	10000	38.7209	95.5291	-137	PS	2.5	-1	10.4	1	1.4	1	0.245	-1	1.839	-2	7.511	-1	2087	40	1.8
15452.4	10000	38.7209	95.5283	-132	PS	2.3	-2	10.5	1	1.4	1	0.221	-2	1.660	-2	7.523	-1	2070	62	1.8
15452.3	10000	38.7209	95.5275	-126	PS	2.6	-1	10.5	1	1.4	1	0.243	-1	1.797	-2	7.387	-1	2077	39	1.8
15452.2	10000	38.7209	95.5267	-122	PS	2.6	-1	10.1	1	1.4	1	0.253	-1	1.813	-2	7.171	-1	2093	44	1.8
15452.1	10000	38.7209	95.5260	-119	PS	2.8	-1	9.5	0	1.4	1	0.292	-1	2.004	-1	6.857	-1	2111	47	1.8
15452.0	10000	38.7209	95.5252	-112	PS	2.7	-1	9.6	0	1.4	1	0.281	-1	1.997	-1	7.119	-1	2117	47	1.8
15451.9	10000	38.7209	95.5244	-107	PS	3.0	0	9.8	0	1.4	1	0.307	0	2.169	-1	7.064	-1	2152	38	1.8
15451.8	10000	38.7210	95.5236	-106	PS	2.9	0	10.2	0	1.4	1	0.291	-1	2.163	-1	7.437	-1	2163	37	1.8
15451.7	10000	38.7210	95.5228	-102	PS	3.0	0	10.9	0	1.4	1	0.294	-1	2.201	-1	7.481	-1	2187	42	1.8
15451.6	10000	38.7210	95.5220	-99	PS	3.0	0	9.9	0	1.3	1	0.302	0	2.343	-1	7.758	0	2180	41	1.8

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15451.5	10000	38.7210	95.5213	-99	PS	3.3	0	10.4	1	1.3	0	0.319	0	2.645	0	8.282	0	2182	54	1.8
15451.4	10000	38.7210	95.5205	-96	PS	3.2	0	10.7	1	1.2	0	0.296	-1	2.625	0	8.883	0	2166	48	1.8
15451.3	10000	38.7210	95.5197	-93	PS	3.2	0	10.7	1	1.2	0	0.302	0	2.654	0	8.782	0	2146	43	1.8
15451.2	10000	38.7210	95.5189	-92	PS	3.2	0	10.7	1	1.2	0	0.296	-1	2.685	0	9.076	1	2129	63	1.8
15451.1	10000	38.7210	95.5181	-90	PS	3.1	0	10.7	1	1.2	0	0.291	-1	2.623	0	9.015	1	2117	50	1.8
15451.0	10000	38.7210	95.5174	-89	PS	3.0	0	10.5	1	1.2	0	0.283	-1	2.560	0	9.061	1	2104	34	1.8
15450.9	10000	38.7210	95.5166	-88	PS	3.0	0	10.9	1	1.2	0	0.279	-1	2.613	0	9.379	1	2118	55	1.8
15450.8	10000	38.7210	95.5159	-87	PS	2.7	-1	10.5	1	1.2	0	0.258	-1	2.299	-1	8.908	0	2113	47	1.8
15450.7	10000	38.7210	95.5152	-86	PS	2.8	-1	10.4	1	1.2	0	0.273	-1	2.402	-1	8.801	0	2105	55	1.8
15450.6	10000	38.7210	95.5144	-85	PS	3.2	0	10.3	1	1.2	0	0.311	0	2.731	0	8.793	0	2111	56	1.8
15450.5	10000	38.7210	95.5137	-84	PS	2.9	0	10.1	0	1.2	0	0.290	-1	2.451	0	8.440	0	2105	37	1.8
15450.4	10000	38.7210	95.5129	-83	PS	3.0	0	10.1	0	1.2	0	0.300	0	2.470	0	8.232	0	2123	52	1.8
15450.3	10000	38.7210	95.5122	-83	PS	3.3	0	10.3	1	1.2	0	0.323	0	2.671	0	8.278	0	2127	48	1.8
15450.2	10000	38.7210	95.5114	-81	PS	3.1	0	10.0	0	1.3	0	0.308	0	2.416	-1	7.852	0	2107	38	1.8
15450.1	10000	38.7210	95.5107	-80	PS	3.1	0	10.2	0	1.3	0	0.306	0	2.447	0	7.992	0	2103	41	1.8
15450.0	10000	38.7210	95.5099	-80	PS	2.8	-1	10.7	1	1.3	0	0.263	-1	2.124	-1	8.076	0	2097	56	1.8
15449.9	10000	38.7210	95.5092	-78	PS	3.3	-2	10.5	1	1.4	0	0.224	-2	1.698	-2	7.595	-1	2104	43	1.8
15449.8	10000	38.7210	95.5085	-76	PS	3.4	-1	10.5	1	1.3	0	0.233	-2	1.830	-2	7.865	0	2112	50	1.8
15449.7	10000	38.7210	95.5077	-76	PS	2.8	-1	10.3	1	1.3	0	0.267	-1	2.058	-1	7.699	0	2117	49	1.8
15449.6	10000	38.7210	95.5070	-75	PS	2.6	-1	10.6	1	1.4	0	0.246	-1	1.915	-2	7.776	0	2112	49	1.8
15449.5	10000	38.7209	95.5062	-73	PS	2.6	-1	10.4	1	1.3	0	0.253	-1	2.023	-1	7.994	0	2104	59	1.8
15449.4	10000	38.7209	95.5055	-72	PS	2.8	-1	10.0	0	1.3	0	0.279	-1	2.183	-1	7.823	0	2085	53	1.8
15449.3	10000	38.7209	95.5048	-72	PS	3.0	0	9.8	0	1.2	0	0.308	0	2.518	0	8.170	0	2091	45	1.8
15449.2	10000	38.7209	95.5040	-70	PS	3.0	0	9.8	0	1.2	0	0.312	0	2.637	0	8.440	0	2082	45	1.8
15449.1	10000	38.7209	95.5033	-69	PS	3.3	0	9.7	0	1.2	0	0.343	0	2.741	0	7.989	0	2088	43	1.8
15449.0	10000	38.7209	95.5025	-69	PS	2.9	-1	9.4	0	1.2	0	0.305	0	2.333	-1	7.650	-1	2080	51	1.8
15448.9	10000	38.7209	95.5018	-69	PS	2.9	-1	9.6	0	1.2	0	0.303	0	2.458	0	8.122	0	2067	53	1.8
15448.8	10000	38.7209	95.5011	-68	PS	2.8	-1	9.7	0	1.3	0	0.292	0	2.271	0	7.777	0	2085	55	1.8
15448.7	10000	38.7209	95.5003	-68	PS	2.9	-1	9.7	0	1.3	0	0.263	-1	2.120	-1	8.050	0	2098	37	1.8
15448.6	10000	38.7209	95.4996	-69	PS	3.1	0	10.3	1	1.4	0	0.278	-1	2.077	-1	7.476	-1	2119	39	1.8
15448.5	10000	38.7209	95.4988	-69	PS	2.8	0	10.5	1	1.4	0	0.290	-1	2.226	-1	7.679	-1	2135	57	1.8
15448.4	10000	38.7209	95.4981	-70	PS	2.9	0	10.4	1	1.4	0	0.268	-1	2.047	-1	7.635	-1	2133	43	1.8
15448.3	10000	38.7209	95.4973	-73	PS	2.9	0	10.9	1	1.3	0	0.268	-1	2.188	-1	8.156	0	2138	30	1.8
15448.2	10000	38.7209	95.4966	-74	PS	2.9	0	11.1	1	1.4	0	0.259	-1	2.055	-1	7.941	0	2164	47	1.7
15448.1	10000	38.7209	95.4958	-76	PS	3.0	0	10.9	1	1.4	0	0.277	-1	2.185	-1	7.873	0	2170	47	1.7
15448.0	10000	38.7209	95.4951	-78	PS	3.3	0	10.7	1	1.3	0	0.312	0	2.468	-1	7.917	0	2169	47	1.7
15447.9	10000	38.7209	95.4944	-82	PS	3.3	0	11.1	1	1.3	0	0.297	-1	2.485	0	8.371	0	2148	63	1.7
15447.8	10000	38.7209	95.4936	-85	PS	3.2	0	10.8	1	1.3	0	0.294	-1	2.450	0	8.339	0	2119	69	1.7
15447.7	10000	38.7209	95.4929	-88	PS	3.2	0	10.9	1	1.3	0	0.297	-1	2.509	0	8.457	0	2093	47	1.7
15447.6	10000	38.7209	95.4921	-92	PS	3.2	0	10.4	1	1.3	0	0.307	-1	2.539	0	8.284	0	2061	45	1.7
15447.5	10000	38.7209	95.4914	-95	PS	3.3	0	9.9	1	1.3	0	0.330	0	2.690	0	8.145	0	2025	51	1.7
15447.4	10000	38.7209	95.4907	-98	PS	3.3	0	9.6	1	1.2	0	0.345	0	2.917	0	8.452	0	1985	39	1.7
15447.3	10000	38.7209	95.4899	-103	PS	3.0	-1	9.3	1	1.2	0	0.320	0	2.508	0	7.846	0	1958	43	1.7
15447.2	10000	38.7208	95.4892	-107	PS	2.9	-1	9.7	1	1.2	0	0.329	0	2.468	-1	7.497	-1	1946	51	1.7
15447.1	10000	38.7208	95.4884	-109	PS	3.0	-1	9.8	1	1.2	0	0.349	0	2.575	0	7.384	-1	1959	44	1.7
15447.0	10000	38.7208	95.4877	-113	PS	3.1	-1	9.8	1	1.2	0	0.352	0	2.664	0	7.577	-1	1986	57	1.7
15446.9	10000	38.7208	95.4870	-117	PS	3.3	-1	9.9	1	1.2	0	0.354	0	2.875	0	8.110	0	1998	38	1.7
15446.8	10000	38.7208	95.4862	-120	PS	3.3	-1	9.6	1	1.2	0	0.343	0	2.930	0	8.544	0	2036	47	1.7
15446.7	10000	38.7208	95.4855	-123	PS	3.3	-1	9.8	1	1.2	0	0.332	0	2.835	0	8.546	0	2071	37	1.7
15446.6	10000	38.7208	95.4847	-127	PS	3.6	0	10.2	1	1.2	0	0.352	0	3.110	0	8.840	0	2103	54	1.7
15446.5	10000	38.7208	95.4840	-128	PS	3.5	0	10.4	1	1.2	0	0.335	0	2.956	0	8.830	0	2113	45	1.7
15446.4	10000	38.7208	95.4832	-130	PS	3.2	0	10.4	1	1.2	0	0.309	0	2.657	0	8.589	0	2109	50	1.7

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15446.3	10000	38.7208	95.4825	-132	PS	3.2	0	10.3	1	1.2	0	0.311	0	2.643	0	8.505	0	2102	39	1.6
15446.2	10000	38.7208	95.4818	-135	PS	3.0	0	10.0	1	1.3	1	0.303	0	2.366	-1	7.812	0	2109	51	1.6
15446.1	10000	38.7208	95.4810	-134	PS	3.2	0	9.8	1	1.3	1	0.329	0	2.469	0	7.509	-1	2103	51	1.6
15446.0	10000	38.7208	95.4803	-136	PS	3.1	0	10.2	1	1.3	1	0.304	0	2.360	-1	7.767	0	2113	64	1.6
15445.9	10000	38.7208	95.4795	-137	PS	2.9	0	10.7	1	1.3	1	0.276	-1	2.233	-1	8.086	0	2115	51	1.6
15445.8	10000	38.7208	95.4788	-136	PS	3.0	0	10.8	1	1.3	1	0.280	-1	2.271	-1	8.101	0	2131	45	1.6
15445.7	10000	38.7208	95.4780	-137	PS	3.2	0	11.0	1	1.3	1	0.288	-1	2.356	-1	8.192	0	2139	50	1.6
15445.6	10000	38.7208	95.4773	-138	PS	3.1	0	11.0	1	1.3	1	0.279	-1	2.405	-1	8.636	0	2133	47	1.6
15445.5	10000	38.7208	95.4766	-137	PS	3.3	0	11.3	1	1.2	1	0.295	-1	2.718	0	9.218	1	2137	46	1.6
15445.4	10000	38.7208	95.4758	-136	PS	3.4	1	11.2	1	1.2	0	0.303	0	2.828	0	9.341	1	2132	54	1.6
15445.3	10000	38.7208	95.4751	-136	PS	3.4	1	10.8	1	1.2	0	0.314	0	2.729	0	8.701	0	2117	51	1.6
15445.2	10000	38.7208	95.4743	-134	PS	3.3	0	10.6	1	1.2	0	0.313	0	2.673	0	8.529	0	2113	48	1.6
15445.1	10000	38.7207	95.4736	-131	PS	3.4	1	10.3	1	1.2	0	0.333	0	2.815	0	8.448	0	2106	42	1.6
15445.0	10000	38.7207	95.4728	-130	PS	3.4	1	10.2	1	1.2	0	0.336	0	2.919	0	8.689	0	2102	50	1.6
15444.9	10000	38.7207	95.4721	-129	PS	3.6	1	9.9	1	1.2	0	0.361	1	2.935	0	8.125	0	2116	49	1.6
15444.8	10000	38.7207	95.4714	-128	PS	3.5	1	9.7	1	1.3	0	0.364	1	2.761	0	7.589	-1	2107	51	1.6
15444.7	10000	38.7207	95.4706	-125	PS	3.3	0	9.9	1	1.3	0	0.334	0	2.587	0	7.739	0	2109	47	1.6
15444.6	10000	38.7207	95.4699	-124	PS	3.2	0	10.1	1	1.2	0	0.314	0	2.549	0	8.123	0	2094	59	1.6
15444.5	10000	38.7207	95.4691	-124	PS	3.0	0	9.8	1	1.3	0	0.307	0	2.335	-1	7.601	-1	2096	50	1.5
15444.4	10000	38.7207	95.4684	-121	PS	2.9	-1	10.2	1	1.3	1	0.280	-1	2.215	-1	7.903	0	2078	46	1.5
15444.3	10000	38.7207	95.4677	-121	PS	2.9	-1	9.9	1	1.3	1	0.288	-1	2.205	-1	7.661	-1	2071	43	1.5
15444.2	10000	38.7207	95.4669	-124	PS	2.6	-1	10.4	1	1.3	1	0.253	-1	2.060	-1	8.144	0	2059	39	1.5
15444.1	10000	38.7207	95.4662	-123	PS	2.5	-1	10.6	1	1.3	0	0.236	-2	1.981	-1	8.378	0	2058	49	1.5
15444.0	10000	38.7207	95.4654	-121	PS	2.5	-1	10.2	0	1.3	0	0.241	-2	1.936	-1	8.021	0	2050	53	1.5
15443.9	10000	38.7207	95.4647	-122	PS	2.5	-1	10.0	0	1.3	0	0.254	-1	1.985	-1	7.811	0	2076	50	1.5
15443.8	10000	38.7207	95.4639	-124	PS	3.0	0	10.3	1	1.2	0	0.290	-1	2.397	-1	8.255	0	2078	48	1.5
15443.7	10000	38.7207	95.4632	-124	PS	3.2	0	10.1	0	1.3	0	0.318	0	2.538	0	7.981	0	2115	48	1.5
15443.6	10000	38.7207	95.4625	-124	PS	3.2	0	10.3	1	1.3	1	0.307	0	2.407	-1	7.833	0	2133	46	1.5
15443.5	10000	38.7207	95.4617	-126	PS	3.2	0	10.2	1	1.3	1	0.317	0	2.451	-1	7.728	0	2156	44	1.5
15443.4	10000	38.7207	95.4610	-126	PS	3.4	1	10.2	1	1.3	1	0.337	0	2.653	-1	7.865	0	2158	47	1.5
15443.3	10000	38.7207	95.4602	-127	PS	3.6	1	10.2	1	1.3	1	0.350	0	2.766	-1	7.892	0	2141	35	1.5
15443.2	10000	38.7207	95.4595	-129	PS	3.8	1	9.8	1	1.3	1	0.387	0	3.007	0	7.775	0	2118	38	1.5
15443.1	10000	38.7206	95.4587	-131	PS	3.5	1	9.5	1	1.2	0	0.370	0	2.834	-1	7.650	-1	2096	42	1.5
15443.0	10000	38.7206	95.4580	-131	PS	3.7	1	9.2	0	1.2	0	0.401	1	3.046	-1	7.602	-1	2054	37	1.5
15442.9	10000	38.7206	95.4573	-133	PS	3.9	2	8.6	-1	1.1	0	0.449	1	3.449	0	7.682	0	2019	64	1.5
15442.8	10000	38.7206	95.4565	-136	PS	4.0	2	8.3	-1	1.1	0	0.481	1	3.710	0	7.719	0	1986	48	1.5
15442.7	10000	38.7206	95.4558	-138	PS	3.9	2	8.2	-1	1.1	0	0.470	1	3.549	-1	7.549	-1	1967	37	1.5
15442.6	10000	38.7206	95.4550	-140	PS	3.7	1	8.3	-1	1.1	0	0.445	1	3.311	-1	7.447	-1	1968	50	1.5
15442.5	10000	38.7206	95.4543	-144	PS	3.6	1	8.6	-1	1.1	0	0.418	1	3.331	0	7.973	0	1968	48	1.5
15442.4	10000	38.7206	95.4536	-147	PS	3.7	1	8.7	-1	1.1	0	0.426	1	3.489	0	8.197	0	1970	52	1.5
15442.3	10000	38.7206	95.4528	-149	PS	3.5	1	8.8	-1	1.1	0	0.400	1	3.252	0	8.134	0	1972	50	1.5
15442.2	10000	38.7206	95.4521	-153	PS	3.4	1	9.2	0	1.1	0	0.371	1	3.085	0	8.304	0	1986	38	1.5
15442.1	10000	38.7206	95.4513	-158	PS	3.3	0	9.0	-1	1.1	0	0.360	1	2.882	0	8.009	0	2002	50	1.5
15442.0	10000	38.7206	95.4506	-161	PS	3.6	1	8.9	-1	1.1	0	0.400	1	3.184	0	7.953	0	2024	61	1.5
15441.9	10000	38.7206	95.4498	-165	PS	3.8	1	8.8	-1	1.1	0	0.430	1	3.414	0	7.934	0	2040	49	1.5
15441.8	10000	38.7206	95.4491	-172	PS	3.7	1	8.5	-1	1.1	0	0.432	2	3.292	-1	7.616	-1	2056	53	1.5
15441.7	10000	38.7206	95.4483	-176	PS	3.8	1	8.7	-1	1.1	0	0.433	2	3.284	-1	7.592	-1	2076	52	1.5
15441.6	10000	38.7206	95.4476	-180	PS	3.8	1	8.9	-1	1.1	0	0.430	2	3.344	-1	7.773	0	2091	45	1.5
15441.5	10000	38.7206	95.4469	-187	PS	3.7	1	9.2	0	1.2	0	0.402	1	3.137	-1	7.800	0	2112	54	1.5
15441.4	10000	38.7206	95.4461	-193	PS	3.8	1	9.6	0	1.2	0	0.402	1	3.239	-1	8.049	0	2125	41	1.5
15441.3	10000	38.7206	95.4454	-198	PS	3.5	1	9.8	0	1.2	0	0.362	1	2.920	-1	8.055	0	2129	45	1.5
15441.2	10000	38.7206	95.4446	-206	PS	3.7	1	9.8	0	1.2	0	0.374	1	3.017	-1	8.062	0	2135	40	1.5

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15441.1	10000	38.7206	95.4439	-212	PS	3.8	1	9.9	0	1.2	0	0.390	1	3.149	1	8.072	0	2144	47	1.5
15441.0	10000	38.7206	95.4432	-218	PS	3.8	1	10.0	0	1.2	0	0.379	1	3.039	1	8.023	0	2158	53	1.5
15440.9	10000	38.7205	95.4424	-226	PS	3.8	1	10.0	0	1.2	0	0.377	1	3.035	1	8.041	0	2167	33	1.5
15440.8	10000	38.7205	95.4417	-233	PS	3.9	1	9.9	0	1.2	0	0.389	1	3.092	1	7.946	0	2177	50	1.5
15440.7	10000	38.7205	95.4409	-239	PS	3.8	1	9.8	0	1.3	0	0.391	1	3.043	1	7.775	0	2172	58	1.5
15440.6	10000	38.7205	95.4402	-247	PS	3.9	2	9.9	0	1.3	1	0.391	1	3.045	1	7.790	0	2176	45	1.5
15440.5	10000	38.7205	95.4395	-255	PS	3.5	1	10.5	1	1.2	0	0.337	0	2.866	0	8.503	0	2159	51	1.5
15440.4	10000	38.7205	95.4387	-261	PS	3.4	1	10.4	1	1.3	0	0.329	0	2.681	0	8.146	0	2146	48	1.5
15440.3	10000	38.7205	95.4380	-269	PS	3.4	1	10.2	1	1.2	0	0.333	0	2.763	0	8.307	0	2121	40	1.5
15440.2	10000	38.7205	95.4372	-277	PS	3.2	0	10.2	1	1.2	0	0.310	0	2.541	0	8.198	0	2106	37	1.5
15440.1	10000	38.7205	95.4365	-283	PS	3.4	1	10.1	0	1.2	0	0.33[illegible]	0	2.831	0	8.446	0	2076	65	1.5
15440.0	10000	38.7205	95.4357	-290	PS	3.4	1	9.9	0	1.2	0	0.34[illegible]	0	2.895	0	8.511	0	2067	59	1.5
15439.9	10000	38.7205	95.4350	-299	PS	3.5	1	9.6	0	1.1	0	0.369	1	3.093	1	8.375	0	2064	49	1.5
15439.8	10000	38.7205	95.4342	-305	PS	3.7	1	8.8	-1	1.2	0	0.419	2	3.130	1	7.461	-1	2079	53	1.6
15439.7	10000	38.7205	95.4335	-311	PS	3.9	2	9.0	-1	1.1	0	0.430	2	3.381	1	7.859	0	2088	42	1.6
15439.6	10000	38.7205	95.4328	-319	PS	3.8	1	8.9	-1	1.2	0	0.430	2	3.315	1	7.711	0	2094	41	1.6
15439.5	10000	38.7205	95.4320	-326	PS	4.2	2	8.9	-1	1.1	0	0.467	2	3.654	2	7.824	0	2113	32	1.6
15439.4	10000	38.7205	95.4313	-332	PS	4.0	2	8.9	-1	1.1	0	0.449	2	3.584	2	7.988	0	2129	38	1.6
15439.3	10000	38.7205	95.4305	-339	PS	3.9	1	8.8	-1	1.2	0	0.438	2	3.225	1	7.367	-1	2138	45	1.6
15439.2	10000	38.7205	95.4298	-345	PS	3.6	1	8.8	-1	1.2	0	0.409	1	2.995	1	7.317	-1	2132	42	1.6
15439.1	10000	38.7205	95.4291	-351	PS	3.6	1	9.2	0	1.2	0	0.390	1	3.106	1	7.954	0	2147	44	1.6
15439.0	10000	38.7205	95.4283	-357	PS	3.5	1	9.2	0	1.2	0	0.375	1	2.876	0	7.660	-1	2156	39	1.6
15438.9	10000	38.7204	95.4276	-363	PS	3.4	1	9.1	0	1.2	0	0.374	1	2.769	0	7.409	-1	2175	41	1.6
15438.8	10000	38.7204	95.4268	-369	PS	3.0	1	9.4	0	1.3	1	0.322	0	2.288	-1	7.109	-1	2189	41	1.6
15438.7	10000	38.7204	95.4261	-375	PS	3.1	0	9.3	0	1.4	1	0.335	0	2.173	-1	6.489	-1	2202	48	1.6
15438.6	10000	38.7204	95.4254	-381	PS	3.4	0	9.3	0	1.4	1	0.362	1	2.454	0	6.782	-1	2205	42	1.6
15438.5	10000	38.7204	95.4246	-385	PS	3.6	1	9.4	0	1.4	1	0.385	1	2.543	0	6.614	-1	2241	46	1.6
15438.4	10000	38.7204	95.4239	-391	PS	3.6	1	9.6	0	1.5	2	0.377	1	2.430	-1	6.442	-1	2255	62	1.6
15438.3	10000	38.7204	95.4231	-397	PS	3.7	1	9.9	0	1.5	2	0.370	1	2.496	0	6.746	-1	2264	43	1.6
15438.2	10000	38.7204	95.4224	-401	PS	3.7	1	10.5	1	1.5	1	0.355	1	2.526	1	7.122	-1	2274	46	1.6
15438.1	10000	38.7204	95.4216	-406	PS	3.8	1	10.4	1	1.4	0	0.368	1	2.652	1	7.210	-1	2279	39	1.6
15438.0	10000	38.7204	95.4209	-411	PS	3.6	1	10.4	1	1.4	0	0.346	0	2.628	1	7.607	-1	2256	53	1.6
15437.9	10000	38.7204	95.4202	-417	PS	3.4	1	10.5	1	1.4	0	0.326	0	2.487	0	7.637	-1	2240	29	1.6
15437.8	10000	38.7204	95.4194	-421	PS	3.2	1	10.6	1	1.3	0	0.305	0	2.436	-1	7.999	0	2203	50	1.6
15437.7	10000	38.7204	95.4187	-426	PS	3.3	1	10.0	1	1.3	0	0.324	0	2.422	-1	7.469	-1	2174	53	1.6
15437.6	10000	38.7204	95.4179	-431	PS	3.4	1	9.5	1	1.3	0	0.360	1	2.611	-1	7.263	-1	2154	47	1.6
15437.5	10000	38.7204	95.4172	-434	PS	3.7	1	8.8	-1	1.3	0	0.423	2	2.938	-1	6.953	-1	2122	46	1.6
15437.4	10000	38.7204	95.4164	-439	PS	4.1	2	8.7	-1	1.2	0	0.474	2	3.567	-1	7.521	-1	2066	54	1.6
15437.3	10000	38.7204	95.4157	-444	PS	4.3	2	9.0	-1	1.1	0	0.484	2	3.894	0	8.049	0	2044	51	1.6
15437.2	10000	38.7204	95.4150	-447	PS	4.1	2	9.5	-1	1.1	0	0.476	2	3.764	0	7.911	0	2008	52	1.6
15437.1	10000	38.7204	95.4142	-450	PS	4.2	2	9.3	-1	1.1	0	0.505	2	3.910	0	7.740	0	1993	45	1.6
15437.0	10000	38.7203	95.4135	-455	PS	4.1	2	9.4	-1	1.0	0	0.488	2	4.040	0	8.281	0	1968	54	1.6
15436.9	10000	38.7203	95.4127	-457	PS	4.1	2	9.2	-1	1.0	0	0.494	2	4.109	0	8.319	0	1945	42	1.7
15436.8	10000	38.7203	95.4120	-460	PS	3.7	2	9.2	-1	1.0	0	0.452	2	3.768	0	8.344	0	1927	57	1.7
15436.7	10000	38.7203	95.4112	-464	PS	3.3	1	9.1	-1	1.1	0	0.407	1	3.122	0	7.669	-1	1947	35	1.7
15436.6	10000	38.7203	95.4105	-467	PS	3.3	1	9.4	-1	1.1	0	0.393	1	2.992	0	7.617	-1	1987	54	1.7
15436.5	10000	38.7203	95.4098	-469	PS	3.5	1	9.7	-1	1.1	0	0.406	1	3.130	0	7.719	0	2043	44	1.7
15436.4	10000	38.7203	95.4090	-472	PS	3.5	1	9.2	0	1.2	0	0.382	1	3.032	0	7.930	0	2081	41	1.7
15436.3	10000	38.7203	95.4083	-476	PS	3.4	1	9.7	0	1.2	0	0.355	1	2.899	0	8.166	0	2139	34	1.7
15436.2	10000	38.7203	95.4075	-477	PS	3.2	1	10.2	0	1.3	0	0.311	0	2.528	0	8.121	0	2176	42	1.7
15436.1	10000	38.7203	95.4068	-480	PS	3.1	0	11.0	1	1.3	0	0.282	-1	2.357	-1	8.351	0	2223	67	1.7
15436.0	10000	38.7203	95.4061	-483	PS	3.1	0	11.4	2	1.3	1	0.273	-1	2.352	-1	8.606	0	2249	57	1.7

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15435.9	10000	38.7203	95.4053	-486	PS	3.1	0	11.6	2	1.3	1	0.268	-1	2.398	-1	8.933	1	2247	45	1.7
15435.8	10000	38.7203	95.4046	-488	PS	2.9	0	11.6	2	1.3	1	0.250	-1	2.252	-1	9.019	1	2239	33	1.7
15435.7	10000	38.7203	95.4038	-491	PS	2.8	-1	11.8	2	1.3	1	0.238	-2	2.186	-1	9.186	1	2233	48	1.7
15435.6	10000	38.7203	95.4031	-493	PS	2.9	-1	11.7	2	1.3	0	0.246	-1	2.265	-1	9.210	1	2217	50	1.7
15435.5	10000	38.7203	95.4023	-495	PS	2.8	-1	11.9	2	1.2	0	0.233	-2	2.242	-1	9.603	1	2217	39	1.7
15435.4	10000	38.7203	95.4016	-497	PS	3.2	0	11.7	2	1.2	0	0.270	-1	2.559	0	9.494	1	2206	52	1.7
15435.3	10000	38.7203	95.4008	-500	PS	3.4	0	11.5	2	1.2	0	0.293	-1	2.800	0	9.544	1	2197	45	1.7
15435.2	10000	38.7203	95.4001	-501	PS	3.1	0	11.1	1	1.3	0	0.279	-1	2.460	0	8.828	0	2188	54	1.7
15435.1	10000	38.7202	95.3994	-504	PS	3.3	0	11.0	1	1.2	0	0.300	0	2.669	0	8.886	0	2180	43	1.7
15435.0	10000	38.7202	95.3986	-506	PS	3.3	0	10.8	1	1.3	0	0.303	0	2.606	0	8.600	0	2171	58	1.7
15434.9	10000	38.7202	95.3979	-508	PS	3.2	0	10.8	1	1.3	1	0.294	-1	2.491	0	8.487	0	2159	47	1.7
15434.8	10000	38.7202	95.3971	-509	PS	3.0	0	10.6	1	1.3	1	0.285	-1	2.344	-1	8.225	0	2147	43	1.7
15434.7	10000	38.7202	95.3964	-512	PS	2.9	0	10.8	1	1.3	1	0.267	-1	2.216	-1	8.286	0	2155	47	1.7
15434.6	10000	38.7202	95.3957	-514	PS	2.8	-1	10.9	1	1.3	1	0.257	-1	2.095	-1	8.160	0	2164	49	1.7
15434.5	10000	38.7202	95.3949	-514	PS	2.9	-1	11.3	2	1.3	1	0.252	-1	2.126	-1	8.424	0	2174	52	1.7
15434.4	10000	38.7202	95.3942	-516	PS	2.7	-1	11.6	2	1.4	1	0.236	-2	1.928	-2	8.185	0	2197	61	1.7
15434.3	10000	38.7202	95.3934	-519	PS	2.9	0	11.8	2	1.4	1	0.248	-1	2.066	-1	8.316	0	2216	48	1.7
15434.2	10000	38.7202	95.3927	-521	PS	3.0	0	11.4	2	1.4	1	0.265	-1	2.131	-1	8.055	0	2218	39	1.7
15434.1	10000	38.7202	95.3920	-522	PS	3.2	0	11.3	1	1.4	1	0.28[illegible]	-1	2.278	-1	8.103	0	2210	55	1.6
15434.0	10000	38.7202	95.3912	-524	PS	3.1	0	10.9	1	1.4	1	0.[illegible]	-1	2.250	-1	7.990	0	2176	61	1.6
15433.9	10000	38.7202	95.3905	-525	PS	3.0	0	10.3	1	1.3	1	0.290	-1	2.297	-1	7.920	0	2133	41	1.6
15433.8	10000	38.7202	95.3897	-526	PS	3.1	0	9.6	0	1.3	1	0.324	0	2.425	-1	7.486	-1	2093	48	1.6
15433.7	10000	38.7202	95.3890	-528	PS	3.1	0	9.5	0	1.2	0	0.327	0	2.550	0	7.808	0	2042	51	1.6
15433.6	10000	38.7202	95.3882	-530	PS	3.0	-1	9.1	0	1.2	0	0.325	0	2.523	0	7.759	0	2008	47	1.6
15433.5	10000	38.7202	95.3875	-532	PS	3.1	0	9.3	0	1.2	0	0.328	0	2.643	0	8.060	0	2025	55	1.6
15433.4	10000	38.7202	95.3867	-534	PS	3.1	0	9.7	0	1.2	0	0.317	0	2.644	0	8.336	0	2046	39	1.6
15433.3	10000	38.7202	95.3860	-536	PS	3.0	0	9.6	0	1.2	0	0.307	0	2.524	0	8.215	0	2075	39	1.6
15433.2	10000	38.7202	95.3853	-537	PS	3.1	0	10.1	0	1.2	0	0.304	0	2.540	0	8.347	0	2111	52	1.6
15433.1	10000	38.7202	95.3845	-539	PS	3.1	0	10.5	1	1.2	0	0.297	-1	2.633	0	8.864	0	2142	48	1.6
15433.0	10000	38.7202	95.3838	-541	PS	3.1	0	10.3	1	1.2	0	0.306	-1	2.601	0	8.493	0	2173	50	1.6
15432.9	10000	38.7202	95.3830	-543	PS	3.3	0	10.4	1	1.3	0	0.314	-1	2.603	0	8.290	0	2204	43	1.6
15432.8	10000	38.7202	95.3823	-545	PS	3.1	0	10.2	1	1.3	0	0.305	-1	2.432	-1	7.968	0	2204	41	1.6
15432.7	10000	38.7202	95.3815	-546	PS	3.2	0	10.1	1	1.3	0	0.325	-1	2.507	0	7.711	0	2210	42	1.6
15432.6	10000	38.7202	95.3808	-548	PS	3.4	0	10.4	1	1.3	0	0.339	-1	2.650	0	7.825	0	2210	54	1.6
15432.5	10000	38.7202	95.3801	-550	PS	3.7	0	10.4	1	1.3	0	0.354	-1	2.847	0	8.038	0	2221	56	1.6
15432.4	10000	38.7202	95.3793	-552	PS	3.7	0	10.2	1	1.3	0	0.361	-1	2.849	0	7.898	0	2229	49	1.6
15432.3	10000	38.7202	95.3786	-554	PS	3.6	0	10.5	1	1.3	0	0.348	-1	2.809	0	8.064	0	2223	44	1.6
15432.2	10000	38.7202	95.3778	-556	PS	3.5	0	10.7	1	1.3	0	0.333	-1	2.726	0	8.176	0	2206	37	1.6
15432.1	10000	38.7202	95.3771	-556	PS	3.5	0	10.5	1	1.3	0	0.330	-1	2.802	0	8.485	0	2186	32	1.6
15432.0	10000	38.7202	95.3763	-557	PS	3.5	0	10.6	1	1.2	0	0.337	-1	2.864	0	8.500	0	2162	58	1.6
15431.9	10000	38.7202	95.3756	-559	PS	3.6	0	10.3	1	1.2	0	0.336	-1	2.878	0	8.557	0	2138	53	1.6
15431.8	10000	38.7202	95.3748	-559	PS	3.1	0	10.2	1	1.2	0	0.299	-1	2.546	0	8.519	0	2099	48	1.6
15431.7	10000	38.7203	95.3741	-559	PS	3.2	0	10.2	1	1.2	0	0.312	-1	2.562	0	8.219	0	2085	48	1.6
15431.6	10000	38.7202	95.3734	-561	PS	3.4	0	9.9	1	1.3	0	0.342	-1	2.680	0	7.847	0	2086	46	1.6
15431.5	10000	38.7203	95.3726	-561	PS	3.5	0	9.7	1	1.3	0	0.362	-1	2.861	0	7.900	0	2085	60	1.6
15431.4	10000	38.7203	95.3719	-561	PS	3.5	0	10.0	1	1.3	0	0.347	-1	2.695	0	7.767	0	2090	44	1.6
15431.3	10000	38.7203	95.3711	-561	PS	3.4	0	10.1	1	1.3	0	0.341	-1	2.675	0	7.837	0	2095	56	1.6
15431.2	10000	38.7203	95.3704	-561	PS	3.2	0	10.0	1	1.3	0	0.322	-1	2.565	0	7.974	0	2092	41	1.6
15431.1	10000	38.7203	95.3696	-561	PD	3.3	0	9.8	1	1.3	0	0.334	-1	2.510	-1	7.522	-1	2109	45	1.6
15431.0	10000	38.7203	95.3689	-561	PD	3.2	0	10.0	1	1.3	0	0.320	-1	2.561	-1	7.991	-1	2113	44	1.6
15430.9	10000	38.7203	95.3681	-561	PD	3.1	0	10.3	1	1.2	0	0.297	-1	2.546	-1	8.576	0	2104	52	1.6
15430.8	10000	38.7203	95.3674	-561	PD	2.9	-1	10.2	0	1.2	0	0.285	-1	2.470	-1	8.667	0	2095	49	1.6

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15430.7	10000	38.7203	95.3667	-561	PD	3.3	0	10.1	0	1.1	0	0.326	0	2.994	0	9.179	0	2091	51	1.6
15430.6	10000	38.7203	95.3659	-560	PD	3.2	0	9.7	0	1.1	0	0.324	0	2.843	0	8.777	0	2079	45	1.6
15430.5	10000	38.7203	95.3652	-561	PD	3.4	0	9.8	0	1.2	0	0.344	0	2.866	0	8.340	0	2101	47	1.6
15430.4	10000	38.7203	95.3644	-560	PD	3.6	1	9.8	0	1.1	0	0.369	1	3.259	0	8.825	0	2093	39	1.6
15430.3	10000	38.7203	95.3637	-559	PD	3.7	1	9.9	0	1.2	0	0.376	1	3.235	0	8.602	0	2082	36	1.6
15430.2	10000	38.7203	95.3629	-560	PD	3.8	1	9.9	0	1.2	1	0.385	1	3.230	0	8.387	0	2091	39	1.6
15430.1	10000	38.7203	95.3622	-560	PD	3.6	1	10.2	0	1.2	0	0.350	0	3.046	0	8.704	0	2100	53	1.6
15430.0	10000	38.7203	95.3615	-559	PD	3.2	0	10.4	1	1.2	1	0.311	0	2.688	0	8.633	0	2106	37	1.6
15429.9	10000	38.7203	95.3607	-559	PD	3.3	0	10.8	1	1.2	1	0.303	-1	2.719	0	8.980	0	2128	46	1.6
15429.8	10000	38.7203	95.3600	-559	PD	3.3	0	10.8	1	1.2	0	0.305	0	2.806	0	9.189	0	2142	46	1.6
15429.7	10000	38.7203	95.3592	-558	PD	3.1	0	10.9	1	1.2	0	0.287	-1	2.578	-1	8.979	0	2167	56	1.6
15429.6	10000	38.7203	95.3585	-558	PD	2.8	-1	10.7	1	1.2	1	0.265	-1	2.361	-1	8.911	0	2176	35	1.6
15429.5	10000	38.7203	95.3577	-557	PD	2.9	-1	10.9	1	1.2	0	0.263	-1	2.459	-1	9.368	0	2179	50	1.6
15429.4	10000	38.7203	95.3570	-557	PD	3.0	0	10.5	1	1.2	0	0.288	-1	2.589	-1	8.989	0	2163	62	1.6
15429.3	10000	38.7203	95.3562	-556	PD	3.2	0	10.3	1	1.2	0	0.315	0	2.774	0	8.808	0	2156	55	1.6
15429.2	10000	38.7203	95.3555	-555	PD	3.3	0	10.2	1	1.2	1	0.320	0	2.716	0	8.486	0	2152	59	1.6
15429.1	10000	38.7203	95.3548	-555	PD	3.1	0	9.9	1	1.2	0	0.313	0	2.644	-1	8.444	0	2131	39	1.6
15429.0	10000	38.7203	95.3540	-555	PD	3.3	0	9.9	0	1.2	0	0.335	0	2.815	0	8.407	0	2115	48	1.6
15428.9	10000	38.7204	95.3533	-554	PD	3.2	0	10.2	0	1.2	1	0.315	0	2.658	0	8.445	0	2125	48	1.6
15428.8	10000	38.7204	95.3525	-553	PD	3.2	0	10.2	1	1.2	1	0.313	0	2.615	-1	8.367	0	2114	60	1.6
15428.7	10000	38.7204	95.3518	-553	PD	3.4	0	10.2	1	1.2	1	0.331	0	2.792	0	8.430	0	2126	44	1.6
15428.6	10000	38.7204	95.3510	-553	PD	3.2	0	10.4	1	1.3	1	0.310	0	2.558	-1	8.238	-1	2128	52	1.6
15428.5	10000	38.7204	95.3503	-552	PD	3.5	1	10.5	1	1.3	1	0.330	0	2.752	0	8.348	0	2126	44	1.6
15428.4	10000	38.7204	95.3495	-551	PD	3.3	0	10.8	1	1.2	1	0.307	0	2.682	0	8.742	0	2127	51	1.6
15428.3	10000	38.7204	95.3488	-551	PD	3.0	0	11.0	1	1.2	1	0.278	-1	2.471	-1	8.889	0	2138	47	1.6
15428.2	10000	38.7204	95.3481	-550	PD	3.3	0	11.1	1	1.3	1	0.296	-1	2.586	-1	8.742	0	2141	47	1.6
15428.1	10000	38.7204	95.3473	-547	PD	3.2	0	10.9	1	1.3	1	0.292	-1	2.452	-1	8.398	0	2157	46	1.6
15428.0	10000	38.7204	95.3466	-547	PD	3.0	0	11.2	1	1.3	1	0.273	-1	2.264	-1	8.306	0	2170	53	1.6
15427.9	10000	38.7204	95.3458	-545	PD	3.0	0	10.9	1	1.3	1	0.272	-1	2.199	-1	8.084	-1	2169	47	1.6
15427.8	10000	38.7204	95.3451	-543	PD	2.7	-1	10.6	1	1.3	1	0.258	-1	2.168	-1	8.394	0	2160	56	1.6
15427.7	10000	38.7204	95.3443	-542	PD	3.0	0	10.7	1	1.3	1	0.281	-1	2.300	-1	8.185	-1	2175	38	1.6
15427.6	10000	38.7204	95.3436	-541	PD	3.1	0	10.3	1	1.3	1	0.300	-1	2.319	-1	7.740	-1	2158	56	1.6
15427.5	10000	38.7204	95.3428	-540	PD	3.0	0	9.7	1	1.3	1	0.308	0	2.331	-1	7.570	-1	2125	56	1.6
15427.4	10000	38.7204	95.3421	-538	PD	3.2	0	9.8	1	1.3	1	0.315	0	2.456	-1	7.785	-1	2093	41	1.6
15427.3	10000	38.7204	95.3414	-537	PD	3.3	0	9.4	1	1.2	1	0.335	0	2.608	-1	7.782	-1	2067	45	1.6
15427.2	10000	38.7204	95.3406	-537	PD	3.3	0	9.7	1	1.2	1	0.339	0	2.783	0	8.200	-1	2066	45	1.6
15427.1	10000	38.7204	95.3399	-536	PD	3.3	0	9.7	1	1.2	1	0.345	0	2.762	0	8.010	-1	2067	46	1.6
15427.0	10000	38.7204	95.3391	-534	PD	3.3	0	9.2	1	1.2	1	0.372	0	2.858	0	7.688	-1	2059	43	1.6
15426.9	10000	38.7204	95.3384	-535	PD	3.3	0	9.4	1	1.1	1	0.355	0	3.006	0	8.463	0	2061	47	1.6
15426.8	10000	38.7204	95.3376	-535	PD	3.3	0	9.7	1	1.1	1	0.372	0	3.182	0	8.559	0	2091	38	1.5
15426.7	10000	38.7204	95.3369	-534	PD	3.3	0	9.4	1	1.2	1	0.395	1	3.245	0	8.208	-1	2124	46	1.5
15426.6	10000	38.7204	95.3362	-533	PD	3.3	0	9.7	1	1.2	1	0.377	1	3.144	0	8.343	0	2125	30	1.5
15426.5	10000	38.7204	95.3354	-533	PD	3.3	0	9.7	1	1.2	1	0.386	1	3.243	0	8.397	0	2124	55	1.5
15426.4	10000	38.7204	95.3347	-532	PD	3.3	0	10.1	1	1.2	1	0.361	1	3.164	0	8.752	0	2114	43	1.5
15426.3	10000	38.7204	95.3339	-532	PD	3.3	0	10.0	1	1.2	1	0.334	1	3.123	0	9.339	0	2098	58	1.5
15426.2	10000	38.7204	95.3332	-534	PD	3.3	0	10.3	1	1.2	1	0.341	1	2.956	0	8.681	0	2108	29	1.5
15426.1	10000	38.7204	95.3324	-534	PD	3.2	0	10.7	1	1.2	1	0.319	0	3.042	0	9.546	0	2086	50	1.5
15426.0	10000	38.7205	95.3317	-534	PD	3.0	0	10.6	1	1.1	1	0.297	-1	2.964	0	9.997	1	2064	45	1.5
15425.9	10000	38.7204	95.3309	-534	PD	3.0	0	10.3	1	1.1	1	0.287	-1	2.865	0	9.975	1	2051	52	1.5
15425.8	10000	38.7205	95.3302	-535	PD	2.9	0	10.3	1	1.1	1	0.289	-1	2.819	0	9.770	1	2039	57	1.5
15425.7	10000	38.7205	95.3295	-534	PD	2.8	0	10.3	1	1.1	1	0.292	-1	2.674	0	9.161	0	2035	48	1.5
15425.6	10000	38.7205	95.3287	-534	PD	2.8	-1	10.3	1	1.1	0	0.273	-1	2.462	-1	9.006	0	2037	56	1.5

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15425.5	10000	38.7205	95.3280	-534	PD	2.9	-1	10.5	1	1.1	0	0.278	-1	2.713	0	9.746	1	2029	44	1.5
15425.4	10000	38.7205	95.3272	-535	PD	2.9	-1	10.0	0	1.1	0	0.291	-1	2.682	0	9.219	0	2037	40	1.5
15425.3	10000	38.7205	95.3265	-535	PD	3.0	0	9.9	0	1.1	0	0.302	-1	2.789	0	9.229	0	2041	52	1.5
15425.2	10000	38.7205	95.3257	-535	PD	2.9	0	10.1	0	1.1	0	0.290	-1	2.760	0	9.505	0	2061	55	1.5
15425.1	10000	38.7205	95.3250	-535	PD	2.9	-1	10.4	1	1.1	0	0.277	-1	2.620	-1	9.443	0	2093	45	1.5
15425.0	10000	38.7205	95.3242	-536	PD	3.3	0	11.0	1	1.1	0	0.303	-1	3.030	0	10.013	1	2128	45	1.5
15424.9	10000	38.7205	95.3235	-536	PD	3.5	1	11.0	1	1.1	0	0.317	0	3.114	0	9.816	1	2158	44	1.5
15424.8	10000	38.7205	95.3228	-536	PD	3.4	0	11.0	1	1.2	1	0.310	0	2.733	0	8.812	0	2167	51	1.5
15424.7	10000	38.7205	95.3220	-537	PD	3.1	0	11.0	1	1.3	1	0.285	-1	2.374	-1	8.342	0	2164	47	1.5
15424.6	10000	38.7205	95.3213	-537	PD	2.9	-1	11.2	1	1.4	2	0.262	-1	2.154	-1	8.210	-1	2174	41	1.5
15424.5	10000	38.7205	95.3205	-538	PD	3.0	0	11.4	2	1.4	2	0.265	-1	2.159	-1	8.138	-1	2167	44	1.5
15424.4	10000	38.7205	95.3198	-538	PD	3.0	0	11.2	1	1.3	1	0.271	-1	2.314	-1	8.547	0	2135	41	1.5
15424.3	10000	38.7205	95.3190	-539	PD	2.9	0	10.7	1	1.3	1	0.276	-1	2.335	-1	8.464	0	2099	42	1.5
15424.2	10000	38.7205	95.3183	-539	PD	3.0	0	10.6	1	1.2	1	0.281	-1	2.461	-1	8.754	0	2053	47	1.5
15424.1	10000	38.7205	95.3175	-538	PD	3.2	0	10.3	1	1.1	0	0.307	0	2.842	0	9.266	0	2026	45	1.5
15424.0	10000	38.7205	95.3168	-538	PD	3.5	1	10.3	1	1.0	0	0.335	0	3.389	1	10.111	1	2013	45	1.5
15423.9	10000	38.7205	95.3161	-540	PD	3.6	1	10.3	1	1.0	-1	0.347	0	3.646	1	10.505	1	2003	39	1.5
15423.8	10000	38.7205	95.3153	-541	PD	3.6	1	10.0	0	1.0	-1	0.359	0	3.771	1	10.501	1	1994	45	1.5
15423.7	10000	38.7205	95.3146	-543	PD	3.6	1	9.7	0	1.0	-1	0.372	1	3.735	1	10.052	1	1988	38	1.5
15423.6	10000	38.7205	95.3138	-544	PD	3.1	0	10.5	1	1.0	0	0.300	-1	2.994	0	9.993	1	2009	49	1.5
15423.5	10000	38.7205	95.3131	-545	PD	3.4	0	10.9	1	1.1	0	0.311	0	3.122	0	10.053	1	2038	48	1.5
15423.4	10000	38.7205	95.3123	-546	PD	3.2	0	11.0	1	1.1	0	0.291	-1	2.821	0	9.693	1	2086	49	1.5
15423.3	10000	38.7205	95.3116	-547	PD	3.2	0	11.4	1	1.2	1	0.285	-1	2.702	0	9.480	0	2121	45	1.5
15423.2	10000	38.7205	95.3108	-548	PD	3.1	0	11.3	1	1.3	1	0.276	-1	2.448	-1	8.865	0	2167	48	1.5
15423.1	10000	38.7205	95.3101	-549	PD	3.3	0	11.1	1	1.3	1	0.298	-1	2.474	-1	8.309	0	2214	53	1.5
15423.0	10000	38.7205	95.3094	-549	PD	3.4	0	11.5	2	1.4	2	0.293	-1	2.452	-1	8.359	0	2267	52	1.5
15422.9	10000	38.7205	95.3086	-551	PD	3.9	1	10.4	1	1.4	2	0.378	0	2.860	0	7.563	-1	2279	48	1.5
15422.8	10000	38.7206	95.3079	-552	PD	3.8	2	9.8	1	1.4	3	0.400	0	2.835	0	7.083	-1	2272	70	1.5
15422.7	10000	38.7206	95.3071	-553	PD	3.8	1	9.8	1	1.4	3	0.391	0	2.869	0	7.346	-1	2250	46	1.5
15422.6	10000	38.7206	95.3064	-553	PD	3.7	1	9.7	1	1.3	3	0.383	0	2.738	0	7.155	-1	2238	33	1.5
15422.5	10000	38.7206	95.3056	-555	PD	3.6	1	9.7	1	1.3	3	0.370	0	2.733	0	7.390	-1	2194	56	1.5
15422.4	10000	38.7206	95.3049	-556	PD	3.5	1	9.9	1	1.3	3	0.351	0	2.653	0	7.554	-1	2161	49	1.5
15422.3	10000	38.7206	95.3041	-556	PD	3.2	1	9.6	1	1.3	3	0.334	0	2.529	0	7.561	-1	2110	47	1.5
15422.2	10000	38.7206	95.3034	-557	PD	2.8	0	10.5	1	1.2	2	0.268	-1	2.331	-1	8.711	0	2087	42	1.5
15422.1	10000	38.7206	95.3027	-559	PD	2.9	-1	11.1	1	1.2	2	0.257	-1	2.352	-1	9.145	0	2083	49	1.5
15422.0	10000	38.7206	95.3019	-560	PD	2.7	-1	11.0	1	1.2	2	0.247	-2	2.280	-1	9.225	0	2075	45	1.5
15421.9	10000	38.7206	95.3012	-559	PD	2.9	-1	11.2	1	1.2	2	0.258	-1	2.453	-1	9.497	0	2067	47	1.5
15421.8	10000	38.7206	95.3004	-560	PD	2.9	-1	11.3	1	1.2	2	0.259	-1	2.477	-1	9.547	0	2057	40	1.5
15421.7	10000	38.7206	95.2997	-561	PD	3.1	0	11.3	1	1.2	1	0.273	-1	2.765	-1	10.125	0	2063	39	1.5
15421.6	10000	38.7206	95.2989	-561	PD	3.2	0	11.7	1	1.1	1	0.274	-1	2.791	-1	10.197	0	2075	43	1.5
15421.5	10000	38.7206	95.2982	-561	PD	3.4	0	11.0	1	1.1	2	0.312	-1	3.068	0	9.849	0	2070	34	1.5
15421.4	10000	38.7206	95.2974	-562	PD	3.2	0	10.9	1	1.2	2	0.295	-1	2.776	0	9.397	0	2066	37	1.5
15421.3	10000	38.7206	95.2967	-563	PD	3.2	0	10.7	1	1.2	2	0.301	-1	2.742	0	9.123	0	2060	51	1.5
15421.2	10000	38.7206	95.2960	-563	PD	3.1	0	10.4	1	1.2	2	0.300	-1	2.669	0	8.887	0	2057	50	1.5
15421.1	10000	38.7206	95.2952	-563	PD	3.4	0	10.5	1	1.2	2	0.324	-1	2.944	0	9.086	0	2080	60	1.5
15421.0	10000	38.7206	95.2945	-563	PD	3.2	0	10.6	1	1.2	2	0.301	-1	2.763	0	9.163	0	2067	46	1.5
15420.9	10000	38.7206	95.2937	-564	PD	3.1	0	10.0	1	1.1	1	0.310	-1	2.766	0	9.932	0	2055	47	1.5
15420.8	10000	38.7206	95.2930	-564	PD	3.1	0	10.2	1	1.1	1	0.303	-1	2.796	0	9.237	0	2026	56	1.6
15420.7	10000	38.7206	95.2922	-563	PD	3.3	0	9.9	1	1.1	1	0.331	-1	3.058	0	9.238	0	2012	43	1.6
15420.6	10000	38.7206	95.2915	-565	PD	3.4	0	9.8	1	1.1	1	0.346	-1	3.296	0	9.531	0	1994	41	1.6
15420.5	10000	38.7206	95.2907	-565	PD	3.3	0	9.8	1	1.0	1	0.334	-1	3.275	0	9.804	1	1962	44	1.6
15420.4	10000	38.7206	95.2900	-564	PD	3.1	0	10.1	1	1.0	0	0.308	0	3.191	0	10.366	1	1923	47	1.6

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15420.3	10000	38.7206	95.2893	-564	PD	3.1	0	9.8	0	1.0	-1	0.312	0	3.088	0	9.905	1	1926	51	1.6
15420.2	10000	38.7206	95.2885	-566	PD	3.2	0	10.0	0	1.0	0	0.322	0	3.171	0	9.853	1	1944	47	1.6
15420.1	10000	38.7206	95.2878	-565	PD	2.9	-1	10.5	1	1.1	0	0.273	-1	2.576	-1	9.432	0	1986	48	1.6
15420.0	10000	38.7206	95.2870	-565	PD	2.7	-1	11.0	1	1.1	0	0.244	-2	2.349	-1	9.642	0	2015	34	1.6
15419.9	10000	38.7206	95.2863	-567	PD	2.6	-1	11.5	2	1.2	0	0.226	-2	2.210	-1	9.799	1	2047	34	1.6
15419.8	10000	38.7206	95.2855	-567	PD	2.5	-1	11.6	2	1.3	1	0.220	-2	2.024	-2	9.206	0	2079	54	1.6
15419.7	10000	38.7206	95.2848	-568	PD	2.7	-1	11.2	1	1.3	1	0.241	-2	2.014	-2	8.360	0	2119	45	1.6
15419.6	10000	38.7206	95.2840	-568	PD	2.9	-1	11.3	1	1.4	2	0.257	-1	2.123	-1	8.258	0	2126	53	1.6
15419.5	10000	38.7206	95.2833	-568	PD	2.8	-1	11.3	1	1.4	2	0.248	-2	2.041	-2	8.239	0	2125	39	1.6
15419.4	10000	38.7206	95.2826	-570	PD	3.0	0	10.9	1	1.4	1	0.272	-1	2.196	-1	8.069	-1	2121	54	1.6
15419.3	10000	38.7207	95.2818	-570	PD	2.8	-1	10.7	1	1.4	2	0.262	-1	2.025	-2	7.728	-1	2114	40	1.6
15419.2	10000	38.7206	95.2811	-571	PD	2.9	-1	10.3	1	1.4	2	0.278	-1	2.040	-2	7.350	-1	2110	41	1.6
15419.1	10000	38.7207	95.2803	-571	PD	3.0	0	9.8	1	1.3	1	0.303	-1	2.225	-1	7.342	-1	2127	53	1.6
15419.0	10000	38.7207	95.2796	-573	PD	3.0	0	9.4	1	1.3	1	0.325	0	2.346	-1	7.216	-1	2123	62	1.6
15418.9	10000	38.7207	95.2788	-573	PD	2.9	-1	9.8	1	1.3	1	0.300	-1	2.243	-1	7.474	-1	2131	50	1.6
15418.8	10000	38.7207	95.2781	-574	PD	3.1	0	9.7	1	1.3	1	0.324	0	2.473	-1	7.636	-1	2152	50	1.6
15418.7	10000	38.7207	95.2774	-575	PD	3.4	0	9.3	1	1.3	1	0.361	1	2.660	0	7.365	-1	2152	50	1.6
15418.6	10000	38.7207	95.2766	-576	PD	3.6	1	9.3	1	1.2	1	0.390	1	2.944	0	7.543	-1	2149	48	1.6
15418.5	10000	38.7207	95.2759	-576	PD	3.8	1	9.5	1	1.2	1	0.395	1	3.081	0	7.806	-1	2156	48	1.6
15418.4	10000	38.7207	95.2751	-577	PD	4.0	2	9.6	1	1.2	1	0.412	1	3.304	1	8.025	-1	2158	53	1.6
15418.3	10000	38.7207	95.2744	-579	PD	3.9	2	9.7	1	1.2	1	0.405	1	3.247	0	8.009	-1	2154	36	1.6
15418.2	10000	38.7207	95.2736	-581	PD	4.0	2	9.3	1	1.2	0	0.428	2	3.360	1	7.850	-1	2148	51	1.6
15418.1	10000	38.7207	95.2729	-581	PD	3.8	1	9.3	1	1.2	1	0.408	1	3.138	0	7.687	-1	2127	43	1.6
15418.0	10000	38.7207	95.2721	-582	PD	3.7	1	9.2	1	1.2	1	0.398	1	3.079	0	7.733	-1	2109	42	1.6
15417.9	10000	38.7207	95.2714	-585	PD	3.7	1	9.6	1	1.2	1	0.388	1	3.082	0	7.952	-1	2115	51	1.6
15417.8	10000	38.7207	95.2707	-585	PD	3.6	1	9.8	1	1.2	1	0.364	1	2.961	0	8.143	-1	2108	50	1.6
15417.7	10000	38.7207	95.2699	-586	PD	3.1	0	10.4	1	1.2	1	0.301	-1	2.508	-1	8.327	0	2097	43	1.6
15417.6	10000	38.7207	95.2691	-588	PD	3.1	0	11.0	1	1.2	1	0.286	-1	2.629	-1	9.186	0	2111	42	1.6
15417.5	10000	38.7207	95.2683	-590	PD	3.0	0	11.2	1	1.2	1	0.273	-1	2.539	-1	9.315	0	2110	39	1.6
15417.4	10000	38.7207	95.2675	-591	PD	3.1	0	11.2	1	1.2	1	0.275	-1	2.609	-1	9.473	0	2114	45	1.6
15417.3	10000	38.7207	95.2667	-593	PD	3.1	0	11.2	1	1.2	1	0.272	-1	2.613	-1	9.622	0	2132	44	1.6
15417.2	10000	38.7207	95.2660	-596	PD	3.1	0	11.2	1	1.2	1	0.252	-1	2.548	-1	10.126	1	2124	45	1.6
15417.1	10000	38.7207	95.2652	-598	PD	3.1	0	11.1	1	1.2	1	0.253	-1	2.504	-1	9.894	1	2113	55	1.6
15417.0	10000	38.7207	95.2644	-599	PD	3.1	0	11.1	1	1.2	1	0.306	0	3.177	0	10.382	1	2108	42	1.6
15416.9	10000	38.7207	95.2636	-601	PD	3.1	0	11.1	1	1.2	1	0.320	0	3.079	0	9.630	1	2105	51	1.6
15416.8	10000	38.7207	95.2628	-605	PD	3.1	0	11.1	1	1.2	1	0.329	0	3.115	0	9.457	1	2112	50	1.6
15416.7	10000	38.7207	95.2620	-607	PD	3.1	0	11.1	1	1.2	1	0.318	0	3.064	0	9.329	1	2116	50	1.6
15416.6	10000	38.7207	95.2612	-609	PD	3.1	0	11.1	1	1.2	1	0.305	0	3.070	0	9.477	1	2116	49	1.6
15416.5	10000	38.7207	95.2605	-611	PD	3.1	0	11.1	1	1.2	1	0.354	0	3.198	0	9.664	1	2117	50	1.6
15416.4	10000	38.7207	95.2597	-614	PD	3.1	0	11.1	1	1.2	1	0.369	1	3.040	0	9.673	1	2123	44	1.6
15416.3	10000	38.7207	95.2589	-616	PD	3.1	0	11.1	1	1.2	1	0.375	1	3.125	0	9.111	1	2105	48	1.6
15416.2	10000	38.7207	95.2581	-618	PD	3.1	0	11.1	1	1.2	1	0.370	1	3.034	0	8.832	0	2052	44	1.6
15416.1	10000	38.7207	95.2573	-620	PD	3.1	0	11.1	1	1.2	1	0.414	1	3.106	0	7.652	-1	2019	43	1.6
15416.0	10000	38.7207	95.2565	-624	PD	3.1	0	11.1	1	1.2	1	0.391	1	3.125	0	7.550	-1	1962	51	1.6
15415.9	10000	38.7207	95.2558	-625	PD	3.1	0	11.1	1	1.2	1	0.414	1	3.034	0	7.756	-1	1914	49	1.6
15415.8	10002	38.7207	95.2550	-627	PD	3.1	0	11.1	1	1.2	1	0.398	1	3.106	0	7.495	-1	1895	55	1.6
15415.7	10000	38.7207	95.2542	-630	PD	3.1	0	11.1	1	1.2	1	0.398	1	3.125	0	7.775	-1	1890	55	1.6
15415.6	10000	38.7207	95.2534	-635	PD	3.1	0	11.1	1	1.2	1	0.348	0	3.034	0	7.792	-1	1901	56	1.6
15415.5	10000	38.7208	95.2526	-638	PD	3.1	0	11.1	1	1.2	1	0.344	0	3.106	0	7.279	-1	1936	39	1.6
15415.4	10000	38.7208	95.2518	-640	PD	3.1	0	11.1	1	1.2	1	0.356	0	3.125	0	7.726	-1	1955	38	1.6
15415.3	10000	38.7208	95.2511	-643	PD	3.1	0	11.1	1	1.2	1	0.313	0	3.034	0	7.666	-1	2004	52	1.6
15415.2	10000	38.7208	95.2503	-643	PD	3.1	0	11.1	1	1.2	1	0.344	0	3.106	0	7.174	-1	2035	43	1.6

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15415.1	10000	38.7208	95.2495	-645	PD	3.3	0	9.9	0	1.2	1	0.335	0	2.740	0	8.168	-1	2056	44	1.6
15415.0	10000	38.7208	95.2487	-647	PD	3.3	0	9.7	0	1.3	1	0.340	0	2.632	-1	7.742	-1	2062	43	1.6
15414.9	10000	38.7208	95.2479	-651	PD	3.2	0	10.1	0	1.2	1	0.314	0	2.550	-1	8.126	-1	2067	46	1.6
15414.8	10000	38.7208	95.2471	-653	PD	3.2	0	10.4	1	1.3	1	0.304	-1	2.496	-1	8.215	-1	2054	40	1.6
15414.7	10000	38.7208	95.2464	-655	PD	3.1	0	10.6	1	1.2	1	0.290	-1	2.557	-1	8.826	0	2037	43	1.6
15414.6	10000	38.7208	95.2456	-660	PD	2.9	-1	10.8	1	1.2	0	0.269	-1	2.470	-1	9.174	0	2017	52	1.6
15414.5	10000	38.7208	95.2448	-663	PD	2.9	-1	11.1	1	1.2	0	0.262	-1	2.503	-1	9.569	0	2019	49	1.6
15414.4	10000	38.7208	95.2440	-664	PD	2.7	-1	10.6	1	1.2	0	0.250	-2	2.310	-1	9.256	0	2013	39	1.6
15414.3	10000	38.7208	95.2432	-667	PD	2.8	-1	11.2	1	1.1	0	0.255	-1	2.547	-1	10.003	1	2015	49	1.5
15414.2	10000	38.7208	95.2424	-670	PD	3.1	0	10.7	1	1.1	0	0.291	-1	2.754	0	9.464	0	2016	51	1.5
15414.1	10000	38.7208	95.2417	-673	PD	3.3	0	10.4	1	1.1	0	0.318	0	2.971	0	9.337	0	2034	44	1.5
15414.0	10000	38.7208	95.2409	-677	PD	3.4	0	10.2	1	1.2	0	0.330	0	2.884	0	8.752	0	2057	47	1.5
15413.9	10000	38.7208	95.2401	-685	PD	3.3	0	10.1	0	1.2	1	0.326	0	2.779	0	8.511	0	2082	59	1.5
15413.8	10000	38.7208	95.2393	-692	PD	3.3	0	10.2	1	1.2	1	0.319	0	2.670	0	8.370	0	2101	44	1.5
15413.7	10000	38.7208	95.2385	-696	PD	3.4	0	10.5	1	1.2	0	0.322	0	2.871	0	8.907	0	2101	54	1.5
15413.6	10000	38.7208	95.2377	-698	PD	3.2	0	10.0	0	1.2	1	0.319	0	2.700	0	8.461	0	2088	41	1.5
15413.5	10000	38.7208	95.2370	-699	PD	3.0	0	10.0	0	1.2	0	0.301	-1	2.571	-1	8.549	0	2067	50	1.5
15413.4	10000	38.7208	95.2362	-702	PD	2.7	-1	10.1	0	1.2	0	0.267	-1	2.317	-1	8.688	0	2037	42	1.5
15413.3	10000	38.7208	95.2354	-704	PD	2.8	-1	10.6	1	1.1	0	0.262	-1	2.437	-1	9.316	0	2003	45	1.6
15413.2	10000	38.7208	95.2346	-706	PD	3.1	0	10.5	1	1.1	0	0.290	-1	2.770	0	9.538	0	1983	58	1.6
15413.1	10000	38.7208	95.2338	-708	PD	3.1	0	10.2	1	1.0	0	0.308	0	2.985	0	9.687	1	1964	50	1.6
15413.0	10000	38.7208	95.2330	-711	PD	3.0	0	10.0	0	1.1	0	0.303	-1	2.803	0	9.236	0	1956	55	1.6
15412.9	10000	38.7208	95.2323	-713	PD	2.9	-1	10.1	0	1.1	0	0.284	-1	2.677	0	9.425	0	1945	49	1.6
15412.8	10000	38.7208	95.2315	-715	PD	2.9	-1	9.9	0	1.1	0	0.294	-1	2.614	-1	8.883	0	1942	36	1.6
15412.7	10000	38.7208	95.2307	-718	PD	3.0	0	10.2	0	1.1	0	0.293	-1	2.682	0	9.143	0	1949	55	1.6
15412.6	10000	38.7208	95.2299	-721	PD	2.8	-1	9.5	0	1.1	1	0.297	-1	2.449	-1	8.236	-1	1972	48	1.6
15412.5	10000	38.7208	95.2291	-723	PD	2.7	-1	9.4	0	1.1	1	0.284	-1	2.234	-1	7.863	-1	1975	39	1.6
15412.4	10000	38.7208	95.2283	-724	PD	2.5	-1	9.0	0	1.1	1	0.277	-1	2.029	-2	7.334	-1	1953	45	1.6
15412.3	10000	38.7208	95.2276	-724	PD	2.5	-1	9.2	0	1.1	1	0.275	-1	2.034	-2	7.408	-1	1952	44	1.6
15412.2	10000	38.7208	95.2268	-727	PD	2.6	-1	9.4	0	1.1	1	0.288	-1	2.074	-1	7.207	-1	1951	38	1.6
15412.1	10000	38.7208	95.2260	-729	PD	2.7	-1	9.3	0	1.1	1	0.290	-1	2.242	-1	7.743	-1	1964	45	1.6
15412.0	10000	38.7208	95.2252	-729	PD	2.7	-1	9.4	0	1.1	1	0.293	-1	2.183	-1	7.439	-1	1986	39	1.6
15411.9	10000	38.7208	95.2244	-730	PD	2.9	-1	9.3	0	1.1	1	0.299	-1	2.333	-1	7.802	-1	1991	54	1.6
15411.8	10000	38.7208	95.2236	-732	PD	2.9	-1	9.5	0	1.1	1	0.298	-1	2.511	-1	8.432	-1	1991	43	1.6
15411.7	10000	38.7208	95.2229	-734	PD	2.9	-1	9.7	0	1.1	1	0.286	-1	2.477	-1	8.674	-1	2032	60	1.6
15411.6	10000	38.7208	95.2221	-734	PD	2.9	-1	9.3	0	1.1	1	0.274	-1	2.444	-1	8.920	-1	2051	43	1.6
15411.5	10000	38.7209	95.2213	-735	PD	2.9	-1	9.6	0	1.1	1	0.289	-1	2.613	-1	9.033	-1	2080	49	1.6
15411.4	10000	38.7209	95.2205	-737	PD	2.9	-1	9.0	0	1.1	1	0.276	-1	2.419	-1	8.779	-1	2090	55	1.6
15411.3	10000	38.7209	95.2197	-737	PD	2.9	-1	8.8	0	1.1	1	0.283	-1	2.417	-1	8.546	-1	2092	48	1.6
15411.2	10000	38.7209	95.2189	-736	PD	2.9	-1	9.0	0	1.1	1	0.265	-1	2.217	-1	8.377	-1	2109	47	1.6
15411.1	10000	38.7209	95.2182	-737	PD	2.9	-1	8.8	0	1.1	1	0.267	-1	2.177	-1	8.164	-1	2122	42	1.6
15411.0	10000	38.7209	95.2174	-740	PD	2.9	-1	8.8	0	1.1	1	0.269	-1	2.266	-1	8.424	-1	2125	50	1.6
15410.9	10000	38.7209	95.2166	-744	PD	2.9	-1	8.8	0	1.1	1	0.285	-1	2.365	-1	8.300	-1	2130	43	1.6
15410.8	10000	38.7209	95.2158	-746	PD	2.9	-1	8.8	0	1.1	1	0.276	-1	2.271	-1	8.214	-1	2140	41	1.6
15410.7	10000	38.7209	95.2150	-747	PD	2.9	-1	8.8	0	1.1	1	0.280	-1	2.264	-1	8.073	-1	2145	43	1.6
15410.6	10000	38.7209	95.2142	-750	PD	2.9	-1	8.8	0	1.1	1	0.286	-1	2.334	-1	8.166	-1	2146	42	1.6
15410.5	10000	38.7209	95.2135	-752	PD	2.9	-1	8.8	0	1.1	1	0.295	-1	2.421	-1	8.209	-1	2133	42	1.6
15410.4	10000	38.7209	95.2127	-752	PD	2.9	-1	8.8	0	1.1	1	0.306	-1	2.504	-1	8.332	-1	2133	47	1.6
15410.3	10000	38.7209	95.2119	-754	PD	2.9	-1	8.8	0	1.1	1	0.299	-1	2.396	-1	8.279	-1	2127	45	1.6
15410.2	10000	38.7209	95.2111	-756	PD	2.9	-1	8.8	0	1.1	1	0.288	-1	2.385	-1	8.266	-1	2096	44	1.6
15410.1	10000	38.7209	95.2103	-759	PD	2.9	-1	8.8	0	1.1	1	0.288	-1	2.515	-1	8.728	-1	2087	35	1.7
15410.0	10000	38.7209	95.2095	-759	PD	3.0	0	8.8	0	1.2	1	0.340	0	2.588	0	7.611	-1	2087	35	1.7

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15409.9	10000	38.7209	95.2088	-761	PD	3.0	0	10.6	1	1.2	0	0.284	-1	2.562	-1	9.030	0	2066	47	1.7
15409.8	10000	38.7209	95.2080	-764	PD	2.9	-1	10.5	1	1.1	0	0.279	-1	2.678	0	9.589	0	2038	45	1.7
15409.7	10000	38.7209	95.2072	-766	PD	2.7	-1	10.7	1	1.0	0	0.253	-1	2.618	-1	10.358	1	2019	46	1.7
15409.6	10000	38.7209	95.2064	-767	PD	2.7	-1	10.6	1	1.0	0	0.251	-1	2.568	-1	10.236	1	2005	45	1.7
15409.5	10000	38.7209	95.2056	-769	PD	2.9	-1	10.2	0	1.0	-1	0.283	-1	2.886	0	10.184	1	1992	41	1.7
15409.4	10000	38.7209	95.2048	-772	PD	3.0	0	10.0	0	1.0	0	0.301	-1	2.858	0	9.509	0	2009	47	1.7
15409.3	10000	38.7209	95.2041	-773	PD	2.9	-1	10.0	0	1.1	0	0.293	-1	2.775	0	9.454	0	2006	45	1.7
15409.2	10000	38.7209	95.2033	-773	PD	3.2	0	10.0	0	1.0	0	0.316	0	3.027	0	9.579	0	2017	41	1.7
15409.1	10000	38.7209	95.2025	-775	PD	3.4	0	9.9	0	1.1	0	0.338	0	3.063	0	9.050	0	2039	43	1.7
15409.0	10000	38.7209	95.2017	-779	PD	3.5	1	9.7	0	1.1	0	0.364	1	3.156	0	8.667	0	2032	42	1.7
15408.9	10000	38.7209	95.2009	-781	PD	3.3	0	9.1	0	1.1	0	0.359	0	2.977	0	8.284	0	1997	41	1.7
15408.8	10000	38.7209	95.2001	-782	PD	3.4	1	9.0	-1	1.1	0	0.380	1	3.079	0	8.100	-1	1977	53	1.7
15408.7	10000	38.7209	95.1994	-784	PD	3.3	0	8.8	-1	1.1	0	0.372	1	2.979	0	8.012	-1	1952	34	1.7
15408.6	10000	38.7209	95.1986	-787	PD	3.2	0	8.6	-1	1.1	0	0.374	1	2.905	0	7.777	-1	1933	51	1.7
15408.5	10000	38.7209	95.1978	-788	PD	3.1	0	8.5	-1	1.2	1	0.364	1	2.612	-1	7.182	-1	1934	47	1.7
15408.4	10000	38.7209	95.1970	-790	PD	3.0	0	8.5	-1	1.2	1	0.357	0	2.531	-1	7.098	-1	1921	53	1.7
15408.3	10000	38.7209	95.1962	-792	PD	3.0	0	8.7	-1	1.2	1	0.341	0	2.472	-1	7.256	-1	1919	42	1.7
15408.2	10000	38.7209	95.1954	-795	PD	3.0	0	8.8	-1	1.2	1	0.342	0	2.510	-1	7.345	-1	1933	40	1.7
15408.1	10000	38.7209	95.1947	-796	PD	2.9	-1	9.3	0	1.2	1	0.312	0	2.431	-1	7.800	-1	1938	45	1.7
15408.0	10000	38.7209	95.1939	-798	PD	3.1	0	9.6	0	1.2	0	0.323	0	2.672	0	8.268	0	1947	43	1.7
15407.9	10000	38.7209	95.1931	-801	PD	3.4	1	9.8	0	1.1	0	0.350	0	3.034	0	8.660	0	1969	58	1.7
15407.8	10000	38.7209	95.1923	-803	PD	3.3	0	9.7	0	1.1	0	0.341	0	3.108	0	9.128	0	1984	42	1.7
15407.7	10000	38.7209	95.1915	-804	PD	3.4	0	9.5	0	1.0	0	0.354	0	3.309	1	9.345	0	2009	30	1.7
15407.6	10000	38.7209	95.1908	-806	PD	3.3	0	9.6	0	1.0	0	0.348	0	3.208	0	9.211	0	2044	46	1.7
15407.5	10000	38.7209	95.1900	-810	PD	3.6	1	9.3	0	1.0	0	0.388	1	3.514	1	9.051	0	2078	47	1.7
15407.4	10000	38.7209	95.1892	-811	PD	3.9	1	9.7	0	1.1	0	0.402	1	3.631	1	9.036	0	2109	54	1.7
15407.3	10000	38.7209	95.1884	-812	PD	4.1	2	9.5	0	1.1	0	0.428	2	3.723	1	8.704	0	2129	27	1.7
15407.2	10000	38.7209	95.1876	-814	PD	3.9	1	9.5	0	1.1	0	0.417	2	3.579	1	8.585	0	2131	47	1.7
15407.1	10000	38.7209	95.1868	-817	PD	3.8	1	9.7	0	1.1	0	0.392	1	3.313	1	8.453	0	2116	48	1.7
15407.0	10000	38.7209	95.1861	-820	PD	3.6	1	9.8	0	1.1	0	0.371	1	2.939	0	7.928	-1	2105	40	1.7
15406.9	10000	38.7209	95.1853	-820	PD	3.7	1	9.9	0	1.1	0	0.371	1	2.999	0	8.081	-1	2089	42	1.7
15406.8	10000	38.7209	95.1845	-823	PD	3.6	1	9.7	0	1.1	0	0.335	1	2.887	0	8.630	-1	2087	33	1.7
15406.7	10000	38.7210	95.1837	-826	PD	3.3	0	10.3	0	1.1	0	0.322	1	2.604	0	8.100	-1	2094	52	1.7
15406.6	10000	38.7209	95.1829	-827	PD	3.0	0	10.6	0	1.1	0	0.285	1	2.319	0	8.127	-1	2103	50	1.7
15406.5	10000	38.7210	95.1821	-829	PD	2.6	0	10.5	0	1.1	0	0.250	1	2.006	0	8.020	-1	2104	50	1.7
15406.4	10000	38.7209	95.1814	-831	PD	2.6	0	9.9	0	1.1	0	0.247	0	1.944	0	7.882	-1	2094	40	1.7
15406.3	10000	38.7210	95.1806	-834	PD	2.7	0	9.7	0	1.1	0	0.245	0	2.138	0	8.723	-1	2101	53	1.7
15406.2	10000	38.7210	95.1798	-835	PD	2.9	0	9.7	0	1.1	0	0.273	1	2.338	0	8.558	-1	2102	41	1.7
15406.1	10000	38.7210	95.1790	-836	PD	3.0	0	9.8	0	1.1	0	0.310	1	2.485	0	8.024	-1	2071	50	1.7
15406.0	10000	38.7210	95.1782	-839	PD	3.2	0	9.8	0	1.1	0	0.340	1	2.686	0	7.901	-1	2017	48	1.7
15405.9	10000	38.7210	95.1774	-841	PD	3.5	0	9.8	0	1.1	0	0.380	1	3.161	0	8.318	-1	1979	39	1.7
15405.8	10000	38.7210	95.1767	-843	PD	3.8	0	9.8	0	1.1	0	0.401	1	3.623	0	9.025	-1	1919	54	1.7
15405.7	10000	38.7210	95.1759	-844	PD	3.8	0	9.8	0	1.1	0	0.429	1	3.217	0	9.820	-1	1865	53	1.7
15405.6	10000	38.7210	95.1751	-847	PD	3.7	0	9.8	0	1.1	0	0.441	1	4.515	0	9.227	-1	1799	49	1.7
15405.5	10000	38.7210	95.1743	-850	PD	3.4	0	9.8	0	1.1	0	0.415	1	4.431	0	9.684	-1	1763	59	1.7
15405.4	10000	38.7210	95.1735	-851	PD	3.2	0	9.8	0	1.1	0	0.380	1	4.367	0	9.496	-1	1736	38	1.7
15405.3	10000	38.7210	95.1727	-853	PD	3.0	0	9.8	0	1.1	0	0.331	1	4.080	0	9.333	-1	1728	41	1.7
15405.2	10000	38.7210	95.1720	-856	PD	2.9	0	9.8	0	1.1	0	0.325	1	4.084	0	9.332	-1	1709	37	1.6
15405.1	10000	38.7210	95.1712	-858	PD	2.9	0	9.8	0	1.1	0	0.332	1	4.084	0	9.187	-1	1733	42	1.6
15405.0	10000	38.7210	95.1704	-859	PD	2.9	0	9.8	0	1.1	0	0.327	1	4.084	0	9.187	-1	1758	54	1.6
15404.9	10000	38.7210	95.1696	-862	PD	2.9	0	9.8	0	1.1	0	0.298	1	4.084	0	9.187	-1	1773	48	1.6
15404.8	10000	38.7210	95.1688	-864	PD	2.7	-1	9.0	-1	1.1	0	0.297	-1	3.711	0	8.794	-1	1758	38	1.6

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15404.7	10000	38.7210	95.1680	-866	PD	2.7	-1	9.1	0	0.9	-1	0.291	-1	2.990	0	10.269	1	1770	49	1.6
15404.6	10000	38.7210	95.1672	-867	PD	2.8	-1	9.3	0	0.9	-1	0.301	-1	3.212	0	10.670	1	1772	57	1.6
15404.5	10000	38.7210	95.1665	-868	PD	2.6	-1	9.2	0	0.9	-1	0.281	-1	2.983	0	10.631	1	1773	48	1.6
15404.4	10000	38.7210	95.1657	-871	PD	2.4	-2	9.2	0	0.8	-1	0.267	-1	2.909	0	10.876	1	1755	46	1.6
15404.3	10000	38.7210	95.1649	-872	PD	2.5	-1	9.0	0	0.8	-2	0.273	-1	3.034	0	11.116	2	1745	43	1.6
15404.2	10000	38.7210	95.1641	-874	PD	2.7	-1	8.9	-1	0.8	-2	0.305	-1	3.351	1	10.983	1	1749	43	1.6
15404.1	10000	38.7210	95.1633	-876	PD	2.9	0	8.7	-1	0.8	-2	0.340	0	3.615	1	10.624	1	1771	51	1.6
15404.0	10000	38.7210	95.1625	-878	PD	3.0	0	8.4	-1	0.9	-1	0.354	0	3.382	1	9.544	0	1795	31	1.5
15403.9	10000	38.7210	95.1618	-878	PD	2.8	-1	8.1	-1	0.9	-1	0.345	0	3.018	0	8.752	0	1819	53	1.5
15403.8	10000	38.7210	95.1610	-879	PD	2.7	-1	8.6	-1	1.0	-1	0.315	0	2.819	0	8.941	0	1861	44	1.5
15403.7	10000	38.7210	95.1602	-881	PD	3.1	0	8.8	-1	1.0	0	0.353	0	2.978	0	8.447	0	1894	42	1.5
15403.6	10000	38.7210	95.1594	-883	PD	3.4	0	8.8	-1	1.1	0	0.387	1	3.185	0	8.240	0	1922	40	1.5
15403.5	10000	38.7210	95.1586	-883	PD	3.6	1	8.7	-1	1.0	0	0.418	2	3.445	1	8.245	0	1952	51	1.5
15403.4	10000	38.7210	95.1578	-884	PD	3.4	0	8.9	-1	1.1	0	0.380	1	3.096	0	8.144	-1	1962	43	1.5
15403.3	10000	38.7210	95.1571	-886	PD	3.4	0	8.8	-1	1.1	0	0.386	1	3.106	0	8.047	-1	1963	55	1.5
15403.2	10000	38.7210	95.1563	-886	PD	3.5	1	9.1	0	1.1	0	0.386	1	3.204	0	8.293	0	1964	45	1.5
15403.1	10000	38.7210	95.1555	-886	PD	3.8	1	8.5	-1	1.1	0	0.449	2	3.538	1	7.873	-1	1938	46	1.5
15403.0	10000	38.7210	95.1547	-887	PD	3.8	1	8.3	-1	1.0	0	0.460	2	3.631	1	7.898	-1	1928	40	1.5
15402.9	10000	38.7210	95.1539	-888	PD	3.5	1	8.5	-1	1.1	0	0.410	1	3.303	1	8.053	-1	1927	49	1.5
15402.8	10000	38.7210	95.1531	-887	PD	3.2	0	9.0	-1	1.1	0	0.352	0	2.843	0	8.065	-1	1937	37	1.5
15402.7	10000	38.7210	95.1524	-885	PD	3.0	0	9.1	0	1.2	0	0.329	0	2.600	-1	7.899	-1	1973	56	1.4
15402.6	10000	38.7210	95.1516	-885	PD	3.1	0	9.5	0	1.1	0	0.326	0	2.762	0	8.475	0	1982	46	1.4
15402.5	10000	38.7210	95.1508	-885	PD	3.3	0	9.6	0	1.1	0	0.344	0	2.933	0	8.538	0	1995	50	1.4
15402.4	10000	38.7210	95.1500	-882	PD	3.2	0	9.6	0	1.2	0	0.337	0	2.813	0	8.356	0	2021	48	1.4
15402.3	10000	38.7210	95.1492	-880	PD	3.0	0	9.7	0	1.2	0	0.314	0	2.585	-1	8.240	0	2033	42	1.4
15402.2	10000	38.7210	95.1484	-879	PD	3.1	0	10.1	0	1.2	1	0.309	0	2.520	-1	8.161	-1	2058	43	1.4
15402.1	10000	38.7210	95.1477	-876	PD	3.2	0	10.0	0	1.3	1	0.318	0	2.535	-1	7.963	-1	2070	56	1.4
15402.0	10000	38.7210	95.1469	-874	PD	3.4	0	10.0	0	1.2	1	0.340	0	2.789	0	8.210	-1	2077	53	1.4
15401.9	10000	38.7210	95.1462	-870	PD	3.4	0	9.7	0	1.2	1	0.350	0	2.776	0	7.925	-1	2084	35	1.4
15401.8	10000	38.7210	95.1454	-867	PD	3.3	0	9.6	0	1.2	1	0.343	0	2.556	-1	7.455	-1	2100	38	1.4
15401.7	10000	38.7210	95.1447	-863	PD	3.4	0	9.6	0	1.2	1	0.337	0	2.670	0	7.933	-1	2112	55	1.4
15401.6	10000	38.7210	95.1440	-859	PD	3.5	0	9.6	0	1.2	1	0.328	0	2.717	0	8.293	-1	2119	43	1.4
15401.5	10000	38.7210	95.1432	-853	PD	3.7	0	9.6	0	1.2	1	0.366	0	2.925	0	7.984	-1	2091	32	1.4
15401.4	10000	38.7210	95.1425	-848	PD	3.4	0	9.7	0	1.2	1	0.345	0	2.819	0	8.169	-1	2052	37	1.4
15401.3	10000	38.7210	95.1417	-844	PD	3.5	0	9.7	0	1.2	1	0.352	0	3.020	0	8.567	0	1992	57	1.4
15401.2	10000	38.7210	95.1410	-839	PD	3.2	0	9.7	0	1.2	1	0.319	0	2.837	0	8.904	0	1934	35	1.4
15401.1	10000	38.7210	95.1402	-834	PD	3.1	0	9.7	0	1.2	1	0.314	0	2.855	0	9.078	0	1877	56	1.4
15401.0	10000	38.7210	95.1395	-829	PD	2.8	0	9.7	0	1.2	1	0.297	0	2.705	0	9.103	0	1821	51	1.4
15400.9	10000	38.7210	95.1387	-825	PD	2.7	0	9.7	0	1.2	1	0.291	0	2.661	0	9.156	0	1781	50	1.4
15400.8	10000	38.7210	95.1380	-821	PD	2.3	0	9.7	0	1.2	1	0.256	0	2.387	0	9.328	0	1739	37	1.4
15400.7	10000	38.7210	95.1372	-816	PD	2.5	0	9.7	0	1.2	1	0.289	0	2.687	0	9.312	0	1686	56	1.4
15400.6	10000	38.7210	95.1365	-812	PD	2.4	0	9.7	0	1.2	1	0.291	0	2.630	0	9.038	0	1654	49	1.4
15400.5	10000	38.7210	95.1357	-809	PD	2.6	0	9.7	0	1.2	1	0.342	0	2.877	0	8.425	0	1627	51	1.4
15400.4	10000	38.7210	95.1350	-806	PD	2.6	0	9.7	0	1.2	1	0.342	0	2.853	0	8.343	0	1600	38	1.4
15400.3	10000	38.7210	95.1342	-802	PD	2.5	0	9.7	0	1.2	1	0.354	0	2.830	0	8.999	-1	1574	53	1.4
15400.2	10000	38.7210	95.1335	-798	PD	2.6	0	9.7	0	1.2	1	0.369	0	3.090	0	8.371	0	1574	48	1.4
15400.1	10000	38.7210	95.1327	-796	PD	2.8	0	9.7	0	1.2	1	0.401	0	3.414	0	8.504	0	1603	54	1.4
15400.0	10000	38.7210	95.1320	-793	PD	2.7	0	9.7	0	1.2	1	0.365	0	3.286	0	8.000	0	1637	45	1.4
15399.9	10000	38.7210	95.1312	-790	PD	2.8	0	9.7	0	1.2	1	0.398	0	3.388	0	8.512	0	1688	43	1.4
15399.8	10000	38.7210	95.1305	-789	PD	2.8	0	9.7	0	1.2	1	0.355	0	3.013	0	8.618	0	1754	30	1.4
15399.7	10000	38.7210	95.1297	-789	PD	2.8	0	9.7	0	1.2	1	0.368	0	3.095	0	8.404	0	1835	42	1.4
15399.6	10000	38.7210	95.1290	-790	PD	3.4	0	9.3	0	1.2	1	0.360	0	3.275	0	8.105	0	1926	51	1.4

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15399.5	10000	38.7210	95.1283	-791	PD	3.3	0	9.5	0	1.1	0	0.345	0	3.042	0	8.817	0	1982	46	1.4
15399.4	10000	38.7210	95.1275	-791	PD	3.2	0	10.2	0	1.1	0	0.317	0	2.997	0	9.443	0	2000	34	1.4
15399.3	10000	38.7210	95.1268	-792	PD	3.3	0	10.6	1	1.1	0	0.311	0	2.928	0	9.401	0	2025	46	1.4
15399.2	10000	38.7210	95.1260	-795	PD	2.9	-1	11.4	2	1.1	0	0.257	-1	2.593	-1	10.105	1	2039	47	1.4
15399.1	10000	38.7210	95.1253	-797	PD	3.1	0	11.7	2	1.1	0	0.269	-1	2.782	0	10.343	1	2055	42	1.4
15399.0	10000	38.7210	95.1245	-798	PD	3.1	0	12.0	2	1.0	0	0.262	-1	2.996	0	11.445	2	2062	58	1.4
15398.9	10000	38.7210	95.1238	-799	PD	3.1	0	11.6	2	1.1	0	0.270	-1	2.949	0	10.923	1	2074	50	1.4
15398.8	10000	38.7210	95.1230	-801	PD	3.2	0	11.6	2	1.1	0	0.277	-1	2.991	0	10.780	1	2092	34	1.4
15398.7	10000	38.7210	95.1223	-802	PD	3.2	0	11.4	1	1.1	0	0.277	-1	2.760	0	9.951	1	2130	38	1.4
15398.6	10000	38.7210	95.1215	-803	PD	3.5	1	11.5	2	1.2	0	0.300	-1	2.980	0	9.940	1	2157	51	1.4
15398.5	10000	38.7210	95.1208	-804	PD	3.7	1	11.1	1	1.2	0	0.338	0	3.200	0	9.455	0	2167	40	1.4
15398.4	10000	38.7210	95.1200	-806	PD	3.8	1	11.0	1	1.2	0	0.345	0	3.282	1	9.504	0	2176	47	1.4
15398.3	10000	38.7210	95.1193	-807	PD	3.8	1	10.9	1	1.2	0	0.351	0	3.263	1	9.299	0	2167	62	1.4
15398.2	10000	38.7210	95.1185	-807	PD	3.7	1	10.8	1	1.2	0	0.348	0	3.246	0	9.336	0	2139	50	1.4
15398.1	10000	38.7210	95.1178	-809	PD	3.6	1	11.0	1	1.1	0	0.327	0	3.132	0	9.592	0	2119	52	1.4
15398.0	10000	38.7210	95.1170	-810	PD	3.7	1	10.8	1	1.1	0	0.343	0	3.343	1	9.735	1	2090	57	1.4
15397.9	10000	38.7210	95.1163	-811	PD	3.4	0	10.2	0	1.0	0	0.331	0	3.238	0	9.794	1	2065	43	1.4
15397.8	10000	38.7210	95.1155	-811	PD	3.3	0	10.3	1	1.1	0	0.318	0	3.059	0	9.632	0	2042	50	1.4
15397.7	10000	38.7210	95.1148	-812	PD	3.1	0	10.1	0	1.0	0	0.306	0	3.019	0	9.861	1	2018	58	1.4
15397.6	10000	38.7210	95.1140	-813	PD	3.3	0	10.0	0	1.0	0	0.330	0	3.131	0	9.490	0	2009	41	1.4
15397.5	10000	38.7210	95.1133	-814	PD	3.3	0	10.1	0	1.0	0	0.322	0	3.148	0	9.768	1	2003	58	1.4
15397.4	10000	38.7210	95.1125	-813	PD	3.1	0	10.0	0	1.0	0	0.306	0	2.919	0	9.524	0	1998	47	1.4
15397.3	10000	38.7210	95.1118	-813	PD	2.8	-1	10.5	1	1.0	0	0.262	-1	2.638	-1	10.055	1	2003	46	1.4
15397.2	10000	38.7210	95.1111	-813	PD	2.8	-1	10.8	1	1.1	0	0.255	-1	2.533	-1	9.950	1	2018	47	1.5
15397.1	10000	38.7210	95.1103	-813	PD	2.6	-1	11.0	1	1.1	0	0.240	-2	2.436	-1	10.136	1	2041	64	1.5
15397.0	10000	38.7210	95.1096	-811	PD	2.6	-1	11.3	1	1.1	0	0.233	-2	2.315	-1	9.918	1	2064	50	1.5
15396.9	10000	38.7210	95.1088	-811	PD	2.7	-1	11.6	2	1.1	0	0.232	-2	2.355	-1	10.139	1	2084	65	1.5
15396.8	10000	38.7210	95.1081	-811	PD	2.6	-1	11.3	2	1.2	0	0.224	-2	2.143	-1	9.557	1	2089	51	1.5
15396.7	10000	38.7210	95.1073	-810	PD	2.8	-1	11.0	2	1.2	0	0.249	-2	2.292	-1	9.208	1	2097	41	1.5
15396.6	10000	38.7210	95.1066	-809	PD	3.0	-1	11.3	2	1.2	0	0.274	-2	2.457	-1	8.954	1	2093	48	1.5
15396.5	10000	38.7210	95.1058	-808	PD	3.0	-1	11.0	2	1.2	0	0.274	-2	2.401	-1	8.755	1	2104	58	1.5
15396.4	10000	38.7210	95.1051	-808	PD	3.1	0	10.9	2	1.2	0	0.283	-1	2.506	-1	8.851	1	2087	51	1.5
15396.3	10000	38.7210	95.1043	-807	PD	2.9	-1	10.9	2	1.2	0	0.266	-1	2.445	-1	9.188	1	2067	48	1.5
15396.2	10000	38.7210	95.1036	-805	PD	2.7	-1	11.0	2	1.2	0	0.246	-2	2.295	-1	9.314	1	2044	55	1.5
15396.1	10000	38.7210	95.1028	-804	PD	2.6	-1	11.1	2	1.2	0	0.230	-2	2.112	-1	9.190	1	2054	43	1.5
15396.0	10000	38.7210	95.1021	-803	PD	2.7	-1	11.3	2	1.2	0	0.240	-2	2.260	-1	9.436	1	2056	48	1.5
15395.9	10000	38.7210	95.1013	-802	PD	2.7	-1	11.2	2	1.2	0	0.242	-2	2.276	-1	9.403	1	2060	53	1.5
15395.8	10000	38.7210	95.1006	-802	PD	2.9	-1	11.2	2	1.2	0	0.256	-1	2.472	-1	9.659	1	2053	43	1.5
15395.7	10000	38.7210	95.0998	-800	PD	3.1	-1	11.2	2	1.2	0	0.276	-1	2.614	-1	9.487	1	2072	48	1.5
15395.6	10000	38.7210	95.0991	-798	PD	3.1	-1	10.8	2	1.2	0	0.291	-1	2.671	-1	9.186	1	2085	39	1.5
15395.5	10000	38.7210	95.0983	-798	PD	3.2	-1	10.6	1	1.1	0	0.304	-1	2.681	-1	8.823	1	2099	52	1.5
15395.4	10000	38.7210	95.0976	-797	PD	3.4	-1	10.7	1	1.1	0	0.316	-1	3.008	-1	9.532	1	2086	53	1.5
15395.3	10000	38.7210	95.0968	-796	PD	3.2	-1	10.8	1	1.1	0	0.298	-1	2.895	-1	9.731	1	2073	37	1.5
15395.2	10000	38.7210	95.0961	-795	PD	3.1	-1	10.9	1	1.1	0	0.289	-1	2.866	-1	9.907	1	2061	41	1.5
15395.1	10000	38.7210	95.0953	-794	PD	3.1	-1	10.7	1	1.1	0	0.285	-1	2.867	-1	10.065	1	2049	48	1.5
15395.0	10000	38.7210	95.0946	-794	PD	2.9	-1	10.5	1	1.1	0	0.272	-1	2.718	-1	9.993	1	2024	46	1.5
15394.9	10000	38.7210	95.0938	-794	PD	2.9	-1	10.4	1	1.1	0	0.279	-1	2.782	-1	9.962	1	1998	38	1.5
15394.8	10000	38.7210	95.0931	-793	PD	3.0	-1	10.0	1	1.0	0	0.275	-1	2.774	-1	10.097	1	1980	54	1.5
15394.7	10000	38.7210	95.0923	-792	PD	3.1	-1	10.2	1	1.1	0	0.303	-1	2.848	-1	9.408	1	1972	57	1.5
15394.6	10000	38.7209	95.0916	-791	PD	3.1	-1	10.0	1	1.1	0	0.310	-1	2.849	-1	9.194	1	1990	57	1.6
15394.5	10000	38.7209	95.0909	-792	PD	3.5	-1	9.7	1	1.1	0	0.342	-1	2.950	-1	8.629	1	2003	56	1.6
15394.4	10000	38.7209	95.0901	-792	PD	3.5	-1	9.6	1	1.1	0	0.371	-1	3.102	-1	8.368	1	2008	42	1.6

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15394.3	10000	38.7209	95.0894	-790	CULTRL	3.4	999	9.9	999	1.2	999	0.339	999	2.893	999	8.531	999	2012	42	1.6
15394.2	10000	38.7209	95.0886	-790	CULTRL	3.5	999	9.7	999	1.2	999	0.360	999	2.989	999	8.302	999	2022	56	1.6
15394.1	10000	38.7209	95.0879	-791	CULTRL	3.3	999	9.6	999	1.1	999	0.346	999	2.909	999	8.404	999	2015	51	1.6
15394.0	10000	38.7209	95.0871	-789	CULTRL	3.2	999	9.6	999	1.2	999	0.335	999	2.778	999	8.298	999	2010	44	1.6
15393.9	10000	38.7209	95.0864	-789	CULTRL	3.3	999	9.1	999	1.1	999	0.366	999	2.981	999	8.143	999	1957	39	1.6
15393.8	10000	38.7209	95.0856	-789	CULTRL	2.9	999	8.9	999	1.1	999	0.330	999	2.701	999	8.189	999	1899	49	1.6
15393.7	10000	38.7209	95.0849	-788	CULTRL	2.6	999	8.3	999	1.1	999	0.318	999	2.436	999	7.659	999	1845	29	1.6
15393.6	10000	38.7209	95.0841	-789	CULTRL	2.9	999	7.7	999	1.0	999	0.371	999	2.722	999	7.341	999	1801	49	1.6
15393.5	10000	38.7209	95.0834	-790	CULTRL	2.7	999	7.5	999	1.0	999	0.363	999	2.607	999	7.187	999	1748	42	1.6
15393.4	10000	38.7209	95.0826	-789	CULTRL	2.6	999	7.1	999	1.0	999	0.366	999	2.550	999	6.965	999	1691	56	1.6
15393.3	10000	38.7209	95.0819	-789	CULTRL	2.7	999	6.6	999	0.9	999	0.409	999	2.862	999	6.990	999	1640	53	1.6
15393.2	10000	38.7209	95.0811	-791	CULTRL	2.6	999	7.0	999	0.9	999	0.377	999	2.876	999	7.629	999	1609	49	1.5
15393.1	10000	38.7209	95.0804	-791	CULTRL	2.7	999	7.0	999	0.9	999	0.388	999	3.129	999	8.067	999	1605	55	1.5
15393.0	10000	38.7209	95.0796	-788	CULTRL	2.7	999	7.3	999	0.8	999	0.372	999	3.264	999	8.775	999	1599	43	1.5
15392.9	10000	38.7209	95.0789	-788	CULTRL	2.8	999	7.4	999	0.8	999	0.380	999	3.535	999	9.304	999	1611	50	1.5
15392.8	10000	38.7209	95.0781	-791	CULTRL	2.9	999	7.6	999	0.8	999	0.382	999	3.636	999	9.526	999	1625	49	1.5
15392.7	10000	38.7209	95.0774	-792	CULTRL	3.1	999	7.4	999	0.8	999	0.424	999	3.773	999	8.894	999	1653	51	1.5
15392.6	10000	38.7209	95.0766	-792	PD	3.1	0	7.7	-2	0.9	-1	0.399	1	3.558	1	8.908	0	1681	44	1.5
15392.5	10000	38.7209	95.0759	-790	PD	3.0	0	7.8	-2	0.8	-1	0.382	1	3.529	1	9.246	0	1717	44	1.5
15392.4	10000	38.7209	95.0751	-790	PD	3.0	0	7.9	-1	0.9	-1	0.377	1	3.468	1	9.207	0	1745	47	1.5
15392.3	10000	38.7209	95.0744	-790	PD	2.9	0	8.0	-1	0.9	-1	0.368	1	3.389	1	9.204	0	1756	63	1.5
15392.2	10000	38.7209	95.0737	-792	PD	2.9	-1	7.9	-1	0.9	-1	0.370	1	3.401	1	9.198	0	1754	46	1.5
15392.1	10000	38.7209	95.0729	-792	PD	2.9	-1	8.3	-1	0.8	-2	0.349	0	3.545	1	10.158	1	1786	51	1.5
15392.0	10000	38.7209	95.0722	-792	PD	2.9	-1	8.8	-1	0.8	-2	0.327	0	3.507	1	10.729	1	1817	48	1.5
15391.9	10000	38.7209	95.0714	-794	PD	2.7	-1	9.4	0	0.8	-2	0.288	-1	3.415	1	11.858	2	1846	45	1.5
15391.8	10000	38.7209	95.0707	-796	PD	2.8	-1	9.7	0	0.9	-1	0.292	-1	3.092	0	10.606	1	1885	44	1.5
15391.7	10000	38.7209	95.0699	-797	PD	2.8	-1	10.1	0	0.9	-1	0.281	-1	3.009	0	10.713	1	1928	38	1.5
15391.6	10000	38.7209	95.0692	-798	PD	2.8	-1	10.3	1	1.0	0	0.273	-1	2.734	0	10.031	1	1991	42	1.5
15391.5	10000	38.7209	95.0684	-798	PD	2.7	-1	10.7	1	1.1	0	0.251	-1	2.441	-1	9.707	1	2043	39	1.5
15391.4	10000	38.7209	95.0677	-799	PD	2.6	-1	10.7	1	1.2	1	0.246	-2	2.158	-1	9.776	1	2063	59	1.5
15391.3	10000	38.7209	95.0669	-800	PD	2.6	-1	11.4	2	1.2	1	0.237	-2	2.151	-1	9.092	0	2085	58	1.5
15391.2	10000	38.7209	95.0662	-800	PD	2.6	0	10.9	2	1.2	1	0.289	-1	2.490	0	8.625	0	2091	53	1.5
15391.1	10000	38.7209	95.0654	-801	PD	2.0	0	9.9	1	1.1	1	0.317	0	2.758	0	8.697	0	2075	56	1.5
15391.0	10000	38.7209	95.0647	-801	PD	2.1	0	9.9	1	1.1	1	0.323	0	2.833	0	8.778	0	2071	49	1.5
15390.9	10000	38.7209	95.0639	-802	PD	2.2	0	9.9	1	1.1	1	0.370	0	3.260	0	8.816	0	2057	45	1.5
15390.8	10000	38.7209	95.0632	-803	PD	2.5	1	9.8	1	1.1	1	0.391	0	3.331	0	8.514	0	2034	41	1.5
15390.7	10000	38.7209	95.0624	-803	PD	2.7	1	9.8	1	1.1	1	0.413	0	3.583	0	8.671	0	2030	48	1.5
15390.6	10000	38.7209	95.0617	-803	PD	2.6	1	9.6	1	1.1	1	0.415	0	3.472	0	8.376	0	2003	36	1.5
15390.5	10000	38.7209	95.0609	-804	PD	2.6	1	9.6	1	1.1	1	0.394	0	3.432	0	8.703	0	1970	44	1.5
15390.4	10000	38.7209	95.0602	-805	PD	2.5	1	9.5	1	1.1	1	0.399	0	3.320	0	8.313	0	1960	54	1.5
15390.3	10000	38.7209	95.0594	-806	PD	2.5	1	9.5	1	1.1	1	0.418	0	3.221	0	7.714	0	1932	45	1.5
15390.2	10000	38.7209	95.0587	-807	PD	2.5	1	9.5	1	1.1	1	0.394	0	3.079	0	7.820	-1	1924	49	1.5
15390.1	10000	38.7209	95.0580	-809	PD	2.5	1	9.5	1	1.1	1	0.385	0	3.193	0	8.294	-1	1929	41	1.5
15390.0	10000	38.7209	95.0572	-811	PD	2.5	1	9.5	1	1.1	1	0.398	0	3.436	0	8.630	0	1918	51	1.5
15389.9	10000	38.7209	95.0565	-812	PD	2.5	1	9.5	1	1.1	1	0.430	0	3.854	0	8.964	0	1925	44	1.5
15389.8	10000	38.7209	95.0557	-811	PD	2.5	1	9.5	1	1.1	1	0.396	0	3.514	0	8.883	0	1955	54	1.5
15389.7	10000	38.7209	95.0550	-808	PD	2.5	1	9.5	1	1.1	1	0.375	0	3.415	0	9.111	1	1979	42	1.5
15389.6	10000	38.7209	95.0542	-806	PL	2.5	1	9.5	1	1.1	1	0.367	0	3.493	0	9.524	1	2019	58	1.5
15389.5	10000	38.7209	95.0535	-804	PL	2.5	1	9.5	1	1.1	1	0.362	0	3.355	0	9.281	1	2035	59	1.5
15389.4	10000	38.7209	95.0527	-805	PL	2.5	1	9.5	1	1.1	1	0.341	0	3.164	0	9.268	1	2044	55	1.5
15389.3	10000	38.7209	95.0520	-806	PL	2.5	1	9.5	1	1.1	1	0.308	-1	2.750	0	8.921	0	2066	33	1.5
15389.2	10000	38.7209	95.0512	-807	PL	2.9	-1	10.2	1	1.1	1	0.290	-1	2.586	0	8.920	0	2086	48	1.5

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15389.1	10000	38.7209	95.0505	-809	PLP	3.0	0	10.0	0	1.2	0	0.302	-1	2.582	0	8.557	0	2097	41	1.5
15389.0	10000	38.7209	95.0497	-811	PLP	3.0	-1	10.2	1	1.2	0	0.290	-1	2.540	0	8.759	0	2088	36	1.5
15388.9	10000	38.7209	95.0490	-812	PLP	2.9	-1	10.1	0	1.2	0	0.293	-1	2.524	-1	8.610	0	2072	53	1.5
15388.8	10000	38.7209	95.0482	-814	PLP	3.1	0	10.3	1	1.1	0	0.301	-1	2.799	0	9.296	1	2065	46	1.5
15388.7	10000	38.7209	95.0475	-817	PLP	3.4	0	10.7	1	1.1	0	0.315	0	2.977	0	9.460	1	2066	57	1.5
15388.6	10000	38.7209	95.0467	-821	PLP	3.3	0	10.7	1	1.1	0	0.304	-1	2.986	0	9.818	1	2056	47	1.5
15388.5	10000	38.7209	95.0460	-823	PLP	3.3	0	10.7	1	1.1	0	0.304	-1	3.010	0	9.893	1	2047	47	1.5
15388.4	10000	38.7209	95.0452	-826	PLP	3.2	0	10.8	1	1.1	0	0.294	-1	2.847	0	9.697	1	2043	39	1.5
15388.3	10000	38.7209	95.0445	-828	PLP	3.2	0	10.9	1	1.2	0	0.291	-1	2.745	0	9.433	1	2065	41	1.5
15388.2	10000	38.7209	95.0437	-832	PD	3.2	0	11.2	1	1.2	1	0.282	-1	2.672	0	9.486	0	2072	49	1.5
15388.1	10000	38.7209	95.0430	-836	PD	2.9	-1	11.3	1	1.2	1	0.252	-1	2.301	-1	9.136	0	2074	39	1.5
15388.0	10000	38.7209	95.0422	-838	PD	2.6	-1	10.7	1	1.2	1	0.246	-2	2.117	-1	8.590	0	2057	55	1.5
15387.9	10000	38.7209	95.0415	-840	PD	2.8	-1	10.6	1	1.2	1	0.267	-1	2.311	-1	8.662	0	2051	50	1.5
15387.8	10000	38.7208	95.0407	-843	PD	2.7	-1	10.7	1	1.2	1	0.252	-1	2.172	-1	8.608	0	2038	55	1.5
15387.7	10000	38.7209	95.0400	-846	PD	2.6	-1	11.0	1	1.2	1	0.238	-2	2.134	-1	8.968	0	2044	38	1.5
15387.6	10000	38.7209	95.0392	-848	PD	2.6	-1	11.1	1	1.2	0	0.236	-2	2.244	-1	9.504	0	2026	60	1.5
15387.5	10000	38.7209	95.0384	-849	PD	2.4	-2	10.7	1	1.2	0	0.226	-2	2.066	-1	9.133	0	2016	47	1.5
15387.4	10000	38.7209	95.0377	-852	PD	2.7	-1	10.7	1	1.2	0	0.250	-2	2.307	-1	9.222	0	2023	43	1.5
15387.3	10000	38.7209	95.0369	-855	PD	2.7	-1	11.3	1	1.2	0	0.236	-2	2.291	-1	9.697	1	2045	47	1.5
15387.2	10000	38.7209	95.0361	-857	PD	2.6	-1	11.2	1	1.2	0	0.234	-2	2.241	-1	9.588	0	2042	44	1.5
15387.1	10000	38.7209	95.0354	-858	PLP	2.9	-1	11.2	2	1.2	0	0.255	-1	2.457	-1	9.621	1	2060	40	1.5
15387.0	10000	38.7209	95.0346	-859	PLP	3.0	0	11.0	1	1.1	0	0.278	-1	2.677	0	9.645	1	2063	46	1.5
15386.9	10000	38.7209	95.0338	-861	PLP	3.1	0	11.4	2	1.1	0	0.268	-1	2.696	0	10.074	1	2067	43	1.5
15386.8	10000	38.7209	95.0330	-861	PLP	3.3	0	11.6	2	1.1	0	0.287	-1	3.040	0	10.595	2	2079	45	1.5
15386.7	10000	38.7209	95.0323	-861	PLP	3.4	0	11.4	2	1.1	0	0.301	-1	3.093	0	10.262	1	2074	41	1.5
15386.6	10000	38.7209	95.0315	-861	PLP	3.5	1	11.3	2	1.1	-1	0.307	-1	3.304	1	10.747	2	2069	43	1.5
15386.5	10000	38.7209	95.0307	-863	PLP	3.7	1	11.3	2	1.1	0	0.325	0	3.433	1	10.565	2	2082	34	1.5
15386.4	10000	38.7209	95.0300	-864	PLP	3.4	0	10.9	1	1.1	0	0.314	0	3.083	1	9.833	1	2081	58	1.6
15386.3	10000	38.7209	95.0292	-865	PLP	3.5	1	10.8	1	1.1	0	0.327	0	3.148	1	9.613	1	2061	37	1.6
15386.2	10000	38.7209	95.0284	-863	PLP	3.5	1	10.7	1	1.2	0	0.341	0	3.022	1	8.865	0	2062	47	1.6
15386.1	10000	38.7209	95.0276	-862	PLP	3.5	1	10.7	1	1.2	0	0.345	0	2.901	0	8.415	0	2068	49	1.6
15386.0	10000	38.7209	95.0269	-864	PLP	3.5	1	10.8	1	1.2	0	0.301	-1	2.543	0	8.439	0	2092	49	1.6
15385.9	10000	38.7209	95.0261	-864	PLP	3.5	1	10.9	1	1.3	0	0.323	-1	2.481	-1	7.675	-1	2119	45	1.6
15385.8	10000	38.7209	95.0253	-863	PLP	3.4	0	10.9	1	1.3	0	0.293	-1	2.225	-1	7.586	-1	2141	39	1.6
15385.7	10000	38.7209	95.0246	-862	PLP	3.5	1	10.9	1	1.3	0	0.311	-1	2.397	-1	7.704	-1	2149	55	1.6
15385.6	10000	38.7209	95.0238	-862	PLP	3.5	1	10.9	1	1.3	0	0.310	-1	2.379	-1	7.683	-1	2172	51	1.6
15385.5	10000	38.7209	95.0230	-862	PLP	3.5	1	10.9	1	1.3	0	0.300	-1	2.372	-1	7.915	0	2177	46	1.6
15385.4	10000	38.7209	95.0222	-861	PLP	3.5	1	10.9	1	1.3	0	0.328	0	2.581	0	7.865	0	2190	47	1.6
15385.3	10000	38.7209	95.0215	-859	PLP	3.5	1	10.9	1	1.3	0	0.371	0	2.878	0	7.751	-1	2192	53	1.6
15385.2	10000	38.7209	95.0207	-859	PLP	3.5	1	10.9	1	1.3	0	0.358	0	2.857	0	7.989	0	2176	39	1.6
15385.1	10000	38.7209	95.0199	-859	PLP	3.5	1	10.9	1	1.3	0	0.385	0	3.082	0	8.001	0	2163	54	1.6
15385.0	10000	38.7209	95.0192	-859	PLP	3.5	1	10.9	1	1.3	0	0.389	0	3.016	-1	7.760	0	2180	62	1.6
15384.9	10000	38.7209	95.0184	-858	PLP	3.5	1	10.9	1	1.3	0	0.379	0	3.033	0	8.003	0	2192	45	1.6
15384.8	10000	38.7209	95.0176	-858	PLP	3.5	1	10.9	1	1.3	0	0.390	0	2.936	-1	7.523	-1	2204	50	1.6
15384.7	10000	38.7209	95.0168	-858	PLP	3.5	1	10.9	1	1.3	0	0.368	0	2.765	-1	7.520	-1	2195	50	1.6
15384.6	10000	38.7209	95.0161	-859	PLP	3.5	1	10.9	1	1.3	0	0.333	0	2.583	-1	7.763	-1	2180	55	1.6
15384.5	10000	38.7209	95.0153	-859	PLP	3.5	1	10.9	1	1.3	0	0.324	0	2.523	-1	7.778	-1	2186	42	1.6
15384.4	10000	38.7209	95.0145	-859	PLP	3.5	1	10.9	1	1.4	0	0.339	0	2.432	-1	7.169	-1	2195	52	1.6
15384.3	10000	38.7209	95.0138	-859	PLP	3.5	1	10.9	1	1.4	0	0.303	-1	2.275	-1	7.513	-1	2177	42	1.6
15384.2	10000	38.7209	95.0130	-860	PLP	3.5	1	10.9	1	1.4	0	0.291	-1	2.151	-1	7.400	-1	2155	47	1.6
15384.1	10000	38.7210	95.0122	-861	PLP	3.5	1	10.9	1	1.4	0	0.313	-1	2.278	-1	7.288	-1	2160	49	1.6
15384.0	10000	38.7210	95.0115	-861	PLP	3.5	1	10.9	1	1.4	0	0.299	-1	2.224	-1	7.435	-1	2152	44	1.6

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15383.9	10000	38.7210	95.0107	-861	PLP	3.3	0	10.6	1	1.4	1	0.316	0	2.460	-1	7.791	-1	2150	40	1.6
15383.8	10000	38.7210	95.0099	-861	PLP	3.3	0	10.4	1	1.4	1	0.320	0	2.402	-1	7.495	-1	2151	46	1.6
15383.7	10000	38.7210	95.0091	-862	PLP	3.3	0	10.9	1	1.4	1	0.305	-1	2.454	-1	8.044	0	2147	52	1.6
15383.6	10000	38.7210	95.0084	-862	PLP	3.6	1	10.6	1	1.3	1	0.340	0	2.680	0	7.890	0	2155	54	1.6
15383.5	10000	38.7210	95.0076	-862	PLP	3.6	1	10.5	1	1.3	1	0.348	0	2.737	0	7.870	0	2170	52	1.6
15383.4	10000	38.7210	95.0068	-861	PLP	3.7	1	10.1	0	1.3	1	0.362	0	2.929	0	8.080	0	2166	59	1.6
15383.3	10000	38.7210	95.0061	-861	PLP	3.5	1	10.6	1	1.3	1	0.330	0	2.761	0	8.369	0	2168	61	1.6
15383.2	10000	38.7210	95.0053	-861	PLP	3.5	1	10.0	0	1.3	1	0.349	0	2.713	0	7.778	-1	2181	46	1.6
15383.1	10000	38.7210	95.0045	-860	PLP	3.7	1	10.0	0	1.3	1	0.368	1	2.877	0	7.822	-1	2188	55	1.6
15383.0	10000	38.7210	95.0038	-859	PLP	3.7	1	9.9	0	1.3	1	0.372	1	2.912	0	7.832	-1	2195	58	1.6
15382.9	10000	38.7210	95.0030	-858	PLP	3.7	1	10.1	0	1.3	1	0.361	0	2.800	0	7.757	-1	2215	43	1.6
15382.8	10000	38.7210	95.0022	-858	PLP	3.7	1	9.8	0	1.3	1	0.380	1	2.879	0	7.586	-1	2213	46	1.6
15382.7	10000	38.7210	95.0014	-857	PLP	3.5	1	10.0	0	1.3	1	0.349	0	2.667	0	7.637	-1	2206	63	1.6
15382.6	10000	38.7210	95.0007	-856	PLP	3.8	1	9.7	0	1.3	1	0.387	1	2.926	0	7.556	-1	2206	32	1.6
15382.5	10000	38.7210	94.9999	-854	PLP	3.7	1	10.0	0	1.3	1	0.367	1	2.848	0	7.757	-1	2194	45	1.6
15382.4	10000	38.7210	94.9991	-854	PLP	3.5	1	10.2	1	1.3	1	0.346	0	2.722	0	7.877	0	2190	47	1.6
15382.3	10000	38.7210	94.9984	-854	PLP	3.5	1	10.2	1	1.3	1	0.339	0	2.714	0	8.008	0	2175	30	1.6
15382.2	10000	38.7210	94.9976	-853	PLP	3.3	0	10.4	1	1.3	1	0.322	0	2.672	0	8.291	0	2163	51	1.6
15382.1	10000	38.7210	94.9968	-851	PLP	3.2	0	10.6	1	1.3	1	0.304	-1	2.431	-1	7.998	0	2172	47	1.6
15382.0	10000	38.7210	94.9960	-850	PLP	3.2	0	10.7	1	1.3	1	0.300	-1	2.424	-1	8.069	0	2169	54	1.6
15381.9	10000	38.7210	94.9953	-850	PLP	3.3	0	10.3	1	1.4	1	0.325	0	2.458	-1	7.573	-1	2184	44	1.6
15381.8	10000	38.7210	94.9945	-850	PLP	3.3	0	10.3	1	1.3	1	0.321	0	2.473	-1	7.702	-1	2173	64	1.6
15381.7	10000	38.7210	94.9937	-849	PLP	3.5	1	10.0	0	1.4	1	0.348	0	2.588	0	7.430	-1	2180	46	1.6
15381.6	10000	38.7210	94.9930	-847	PLP	3.5	1	9.8	0	1.4	1	0.357	0	2.577	0	7.228	-1	2177	45	1.6
15381.5	10000	38.7210	94.9922	-847	PLP	3.7	1	9.9	0	1.3	1	0.375	1	2.799	0	7.457	-1	2181	48	1.6
15381.4	10000	38.7210	94.9914	-847	PLP	3.7	1	10.2	1	1.3	1	0.364	0	2.893	0	7.956	0	2185	46	1.6
15381.3	10000	38.7210	94.9906	-847	PLP	3.8	1	10.0	0	1.3	1	0.376	0	2.864	0	7.623	-1	2194	43	1.6
15381.2	10000	38.7210	94.9899	-846	PLP	3.7	1	10.2	1	1.3	1	0.358	0	2.781	0	7.773	-1	2192	35	1.6
15381.1	10000	38.7210	94.9891	-844	PLP	3.7	1	9.9	0	1.3	1	0.371	0	2.752	0	7.409	-1	2209	47	1.6
15381.0	10000	38.7210	94.9883	-843	PLP	3.4	1	9.9	0	1.3	1	0.342	0	2.621	0	7.666	-1	2202	38	1.6
15380.9	10000	38.7210	94.9876	-844	PLP	3.4	1	10.4	1	1.3	1	0.328	0	2.548	0	7.764	-1	2225	48	1.6
15380.8	10000	38.7210	94.9868	-843	PLP	2.9	-1	10.4	1	1.4	1	0.282	-1	2.157	-1	7.635	-1	2216	42	1.6
15380.7	10000	38.7210	94.9860	-842	PLP	3.1	1	10.1	0	1.4	1	0.307	-1	2.244	-1	7.304	-1	2197	46	1.6
15380.6	10000	38.7210	94.9852	-841	PLP	3.2	1	9.9	0	1.4	1	0.323	-1	2.363	-1	7.310	-1	2190	52	1.6
15380.5	10000	38.7210	94.9845	-840	PLP	3.1	1	9.8	0	1.4	1	0.320	-1	2.348	-1	7.342	-1	2188	56	1.6
15380.4	10000	38.7210	94.9837	-840	PLP	3.3	1	9.8	0	1.4	1	0.338	-1	2.521	-1	7.468	-1	2178	28	1.6
15380.3	10000	38.7210	94.9829	-840	PLP	3.5	1	9.8	0	1.4	1	0.352	0	2.644	0	7.503	-1	2158	43	1.6
15380.2	10000	38.7210	94.9822	-838	PLP	3.4	1	9.5	0	1.4	1	0.360	0	2.712	0	7.525	-1	2133	45	1.6
15380.1	10000	38.7211	94.9814	-837	PLP	3.7	1	8.7	0	1.4	1	0.424	1	2.921	0	6.891	-1	2129	45	1.6
15380.0	10000	38.7211	94.9806	-837	PLP	3.6	1	9.0	0	1.4	1	0.399	1	2.847	0	7.131	-1	2139	47	1.6
15379.9	10000	38.7211	94.9799	-837	PLP	3.6	1	9.1	0	1.4	1	0.395	1	2.875	0	7.271	-1	2138	38	1.5
15379.8	10000	38.7211	94.9791	-836	PLP	3.7	1	9.2	0	1.4	1	0.399	1	2.833	0	7.101	-1	2140	39	1.5
15379.7	10000	38.7211	94.9783	-834	PLP	3.5	1	9.5	0	1.4	1	0.366	0	2.656	0	6.989	-1	2160	40	1.5
15379.6	10000	38.7211	94.9775	-833	PLP	3.3	1	9.5	0	1.4	1	0.349	0	2.440	-1	6.997	-1	2170	38	1.5
15379.5	10000	38.7211	94.9768	-833	PLP	3.4	1	9.5	0	1.4	1	0.358	0	2.430	-1	6.780	-1	2178	47	1.5
15379.4	10000	38.7211	94.9760	-833	PLP	3.4	1	10.1	0	1.4	1	0.337	0	2.496	-1	7.413	-1	2161	34	1.5
15379.3	10000	38.7211	94.9752	-832	PLP	3.3	1	9.9	0	1.4	1	0.332	0	2.457	-1	7.403	-1	2144	44	1.5
15379.2	10000	38.7211	94.9745	-830	PLP	3.3	1	9.9	0	1.4	1	0.334	0	2.480	-1	7.426	-1	2137	47	1.5
15379.1	10000	38.7211	94.9737	-829	PLP	3.3	1	10.1	0	1.4	1	0.325	0	2.624	-1	8.081	0	2121	33	1.5
15379.0	10000	38.7211	94.9729	-829	PKC	3.2	1	10.1	0	1.3	1	0.316	0	2.558	-1	8.102	0	2107	37	1.5
15378.9	10000	38.7211	94.9721	-828	PKC	3.2	1	9.9	0	1.2	1	0.322	0	2.560	-1	7.938	0	2120	50	1.5
15378.8	10000	38.7211	94.9714	-826	PKC	3.1	0	10.1	1	1.2	1	0.310	-1	2.534	-1	8.162	0	2125	42	1.5

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15378.7	10000	38.7211	94.9706	-825	PKC	3.1	0	9.9	0	1.2	1	0.313	-1	2.476	-1	7.915	0	2122	60	1.5
15378.6	10000	38.7211	94.9698	-825	PKC	3.4	0	9.5	0	1.2	1	0.360	0	2.739	0	7.604	-1	2108	36	1.5
15378.5	10000	38.7211	94.9691	-826	PKC	3.1	0	9.3	0	1.2	1	0.334	0	2.519	-1	7.552	-1	2075	54	1.5
15378.4	10000	38.7211	94.9683	-826	QAL	3.0	0	9.1	0	1.2	1	0.329	0	2.422	0	7.357	0	2041	41	1.5
15378.3	10000	38.7211	94.9675	-826	QAL	3.3	0	8.9	0	1.2	0	0.366	0	2.796	0	7.630	0	2021	56	1.5
15378.2	10000	38.7211	94.9668	-824	QAL	3.3	0	8.8	0	1.1	-1	0.373	1	2.933	1	7.857	0	1967	49	1.5
15378.1	10000	38.7211	94.9660	-825	QAL	3.2	0	8.4	-1	1.1	0	0.385	1	2.862	0	7.429	0	1942	43	1.5
15378.0	10000	38.7211	94.9652	-827	QAL	3.1	0	8.1	-1	1.2	0	0.389	1	2.681	0	6.898	0	1931	50	1.5
15377.9	10000	38.7211	94.9644	-826	QAL	2.8	-1	8.4	-1	1.2	0	0.328	0	2.360	0	7.201	0	1935	43	1.5
15377.8	10000	38.7211	94.9637	-826	QAL	2.7	-1	8.8	0	1.2	0	0.303	-1	2.304	0	7.611	0	1949	39	1.5
15377.7	10000	38.7211	94.9629	-826	QAL	2.7	-1	9.0	0	1.2	0	0.302	-1	2.266	0	7.511	0	1960	41	1.5
15377.6	10000	38.7211	94.9621	-828	QAL	2.6	-1	9.0	0	1.2	0	0.287	-1	2.080	-1	7.257	0	1964	54	1.5
15377.5	10000	38.7211	94.9613	-829	QAL	2.7	-1	9.1	0	1.3	0	0.297	-1	2.100	-1	7.060	0	1974	66	1.5
15377.4	10000	38.7211	94.9606	-830	QAL	2.8	-1	9.1	0	1.3	0	0.308	0	2.183	-1	7.084	0	1960	43	1.4
15377.3	10000	38.7211	94.9598	-831	QAL	2.9	0	9.7	0	1.2	0	0.301	-1	2.440	0	8.117	0	1963	64	1.4
15377.2	10000	38.7211	94.9590	-831	QAL	3.3	0	9.7	0	1.2	0	0.337	0	2.763	0	8.199	0	1967	56	1.4
15377.1	10000	38.7211	94.9583	-833	PKC	3.3	0	9.9	0	1.2	0	0.336	0	2.774	0	8.269	0	1961	42	1.4
15377.0	10000	38.7211	94.9575	-835	PKC	3.3	0	9.8	0	1.2	0	0.336	0	2.744	0	8.174	0	1961	53	1.4
15376.9	10000	38.7211	94.9567	-835	PKC	3.1	0	10.2	1	1.2	0	0.302	-1	2.574	-1	8.535	0	1947	49	1.4
15376.8	10000	38.7211	94.9559	-835	PKC	2.8	-1	9.8	0	1.1	0	0.289	-1	2.512	-1	8.683	0	1933	52	1.4
15376.7	10000	38.7211	94.9552	-838	PKC	2.9	-1	9.8	0	1.1	0	0.300	-1	2.716	0	9.047	1	1909	45	1.4
15376.6	10000	38.7211	94.9544	-838	PKC	2.8	-1	9.3	0	1.1	0	0.305	-1	2.628	-1	8.611	0	1867	56	1.4
15376.5	10000	38.7211	94.9536	-838	PKC	2.7	-1	9.4	0	1.1	0	0.283	-1	2.516	-1	8.901	0	1820	46	1.4
15376.4	10000	38.7211	94.9529	-838	PKC	2.8	-1	9.0	0	1.0	-1	0.312	-1	2.725	0	8.720	0	1809	52	1.4
15376.3	10000	38.7211	94.9521	-839	PKC	2.9	-1	9.2	0	1.0	-1	0.311	-1	2.743	0	8.824	0	1812	47	1.4
15376.2	10000	38.7211	94.9513	-839	PKC	3.0	-1	8.6	-1	1.0	-1	0.347	0	2.957	0	8.534	0	1808	66	1.4
15376.1	10000	38.7212	94.9506	-840	PKC	2.8	-1	8.7	-1	1.1	-1	0.352	0	2.921	0	8.298	0	1819	40	1.4
15376.0	10000	38.7212	94.9498	-839	PKC	2.8	-1	8.8	-1	1.1	-1	0.318	0	2.618	-1	8.244	0	1829	40	1.4
15375.9	10000	38.7212	94.9490	-838	PKC	2.9	-1	8.9	-1	1.1	-1	0.314	-1	2.531	-1	8.055	0	1858	44	1.4
15375.8	10000	38.7212	94.9482	-839	PLP	3.2	-1	9.0	-1	1.1	-1	0.327	-1	2.551	0	7.801	-1	1915	49	1.4
15375.7	10000	38.7212	94.9475	-838	PLP	3.2	-1	9.7	-1	1.1	-1	0.355	-1	2.641	0	7.447	-1	1964	45	1.4
15375.6	10000	38.7212	94.9467	-837	PLP	3.2	-1	8.9	-1	1.2	-1	0.365	-1	2.703	0	7.412	-1	1991	47	1.4
15375.5	10000	38.7212	94.9459	-836	PLP	3.3	-1	8.7	-1	1.2	-1	0.344	-1	2.794	0	8.115	0	2009	45	1.4
15375.4	10000	38.7212	94.9452	-837	PLP	3.3	-1	8.5	-1	1.2	-1	0.341	-1	2.885	0	8.453	0	2022	41	1.4
15375.3	10000	38.7212	94.9444	-837	PLP	3.4	-1	8.6	-1	1.2	-1	0.338	-1	2.939	0	8.693	0	2069	50	1.4
15375.2	10000	38.7212	94.9436	-839	PLP	3.5	-1	8.8	-1	1.2	-1	0.339	-1	2.976	0	8.770	0	2123	49	1.4
15375.1	10000	38.7212	94.9429	-839	PLP	3.4	-1	8.9	-1	1.2	-1	0.323	-1	2.869	0	8.888	0	2135	63	1.4
15375.0	10000	38.7212	94.9421	-839	PLP	3.1	-1	9.0	-1	1.2	-1	0.271	-1	2.599	0	9.579	0	2141	38	1.4
15374.9	10000	38.7212	94.9413	-840	PLP	2.9	-1	9.1	-1	1.2	-1	0.275	-1	2.493	0	9.076	0	2140	50	1.4
15374.8	10000	38.7212	94.9405	-842	PLP	2.9	-1	9.1	-1	1.2	-1	0.252	-1	2.201	-1	8.739	0	2156	50	1.4
15374.7	10000	38.7212	94.9398	-843	PLP	2.8	-1	9.1	-1	1.2	-1	0.245	-1	2.125	-1	8.660	0	2195	50	1.4
15374.6	10000	38.7212	94.9390	-844	PLP	2.7	-1	9.1	-1	1.2	-1	0.237	-1	2.040	-1	8.621	0	2.96	43	1.4
15374.5	10000	38.7212	94.9382	-845	PKC	2.6	-1	9.1	-1	1.2	-1	0.229	-1	1.950	-1	8.515	0	2180	50	1.4
15374.4	10000	38.7212	94.9375	-847	PKC	2.7	-1	9.1	-1	1.2	-1	0.223	-1	1.881	-2	8.420	0	2178	50	1.4
15374.3	10000	38.7212	94.9367	-850	PKC	2.8	-1	9.1	-1	1.2	-1	0.247	-1	1.925	-2	7.796	0	2176	32	1.4
15374.2	10000	38.7212	94.9359	-852	PKC	3.1	-1	9.1	-1	1.2	-1	0.244	-1	1.960	-1	8.016	0	2193	36	1.4
15374.1	10000	38.7212	94.9351	-855	PKC	3.1	-1	9.1	-1	1.2	-1	0.288	-1	2.132	-1	8.409	1	2202	42	1.4
15374.0	10000	38.7212	94.9344	-857	PKC	3.1	-1	9.1	-1	1.2	-1	0.303	-1	2.162	-1	8.137	-1	2186	38	1.4
15373.9	10000	38.7212	94.9336	-860	PKC	3.4	-1	9.1	-1	1.2	-1	0.340	-1	2.348	-1	7.897	-1	2187	41	1.4
15373.8	10000	38.7212	94.9328	-863	PKC	3.3	-1	9.1	-1	1.2	-1	0.349	-1	2.387	-1	7.832	-1	2187	39	1.4
15373.7	10000	38.7212	94.9321	-866	PKC	3.2	-1	9.1	-1	1.2	-1	0.340	-1	2.281	-1	7.714	-1	2182	48	1.4
15373.6	10000	38.7212	94.9313	-867	PKC	3.4	-1	9.1	-1	1.2	-1	0.354	-1	2.367	-1	6.688	-1	2190	39	1.4

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15373.5	10000	38.7212	94.9305	-869	PKC	3.2	0	9.3	0	1.4	1	0.341	0	2.286	-1	6.700	-1	2190	35	1.4
15373.4	10000	38.7212	94.9297	-872	PKC	3.1	0	9.8	0	1.3	1	0.310	-1	2.279	-1	7.341	-1	2181	45	1.4
15373.3	10000	38.7212	94.9290	-875	PKC	3.0	-1	10.0	1	1.3	1	0.295	-1	2.264	-1	7.667	-1	2184	39	1.4
15373.2	10000	38.7212	94.9282	-875	PKC	3.1	0	10.3	1	1.3	1	0.299	-1	2.328	-1	7.786	0	2183	48	1.4
15373.1	10000	38.7212	94.9274	-876	PKC	3.2	0	10.3	1	1.3	1	0.314	-1	2.458	-1	7.828	0	2181	47	1.4
15373.0	10000	38.7212	94.9267	-878	PKC	3.4	0	10.5	1	1.3	1	0.327	0	2.672	0	8.162	0	2166	47	1.4
15372.9	10000	38.7212	94.9259	-880	PKC	3.3	0	10.9	1	1.3	1	0.307	-1	2.661	0	8.664	0	2133	47	1.4
15372.8	10000	38.7212	94.9251	-882	PKC	3.4	0	10.6	1	1.2	1	0.321	0	2.806	0	8.737	0	2103	45	1.4
15372.7	10000	38.7212	94.9244	-882	PKC	3.5	0	10.4	1	1.2	1	0.336	0	2.843	0	8.455	0	2097	53	1.4
15372.6	10000	38.7212	94.9236	-882	PKC	4.0	1	10.0	1	1.2	1	0.394	0	3.275	0	8.311	0	2062	38	1.4
15372.5	10000	38.7212	94.9229	-884	PKC	3.4	0	9.6	1	1.2	0	0.355	0	2.892	0	8.140	0	2024	43	1.4
15372.4	10000	38.7212	94.9221	-886	PKC	3.4	0	9.7	1	1.2	0	0.348	0	2.814	0	8.079	0	2006	48	1.4
15372.3	10000	38.7212	94.9213	-888	PKC	3.5	0	9.3	1	1.2	0	0.373	0	2.911	0	7.801	0	1983	44	1.4
15372.2	10000	38.7212	94.9206	-887	PKC	3.2	0	8.9	0	1.1	0	0.360	0	2.798	0	7.777	0	1974	51	1.4
15372.1	10000	38.7212	94.9198	-888	PKC	3.5	-1	8.5	-1	1.1	0	0.428	1	3.212	0	7.498	-1	1953	51	1.4
15372.0	10000	38.7212	94.9191	-889	PKC	3.3	-1	8.4	-1	1.1	0	0.416	1	3.120	0	7.494	-1	1928	53	1.4
15371.9	10000	38.7212	94.9183	-889	PKC	3.2	0	8.9	0	1.1	0	0.364	0	2.944	0	8.095	0	1936	53	1.4
15371.8	10000	38.7212	94.9175	-888	PKC	3.3	0	9.3	0	1.1	0	0.352	0	2.910	0	8.268	0	1959	43	1.4
15371.7	10000	38.7212	94.9168	-888	PKC	3.3	0	9.2	0	1.1	0	0.351	0	2.854	0	8.122	0	1987	51	1.4
15371.6	10000	38.7212	94.9160	-889	PKC	3.1	0	9.5	0	1.2	0	0.324	0	2.589	-1	7.997	0	2036	38	1.4
15371.5	10000	38.7212	94.9153	-891	PKC	3.1	0	9.6	0	1.3	1	0.324	1	2.473	-1	7.638	-1	2073	46	1.4
15371.4	10000	38.7212	94.9145	-893	PKC	3.0	-1	10.0	1	1.3	1	0.301	-1	2.299	-1	7.639	-1	2103	45	1.4
15371.3	10000	38.7212	94.9138	-893	PLP	3.2	0	10.0	1	1.3	1	0.315	0	2.366	-1	7.509	-1	2140	44	1.4
15371.2	10000	38.7212	94.9130	-893	PLP	3.1	0	9.6	0	1.4	1	0.327	0	2.281	-1	6.965	-1	2149	51	1.4
15371.1	10000	38.7211	94.9122	-894	PLP	3.4	0	9.4	0	1.4	1	0.357	0	2.450	-1	6.856	-1	2158	38	1.4
15371.0	10000	38.7211	94.9115	-896	PLP	3.2	0	9.7	0	1.4	1	0.336	0	2.331	-1	6.935	-1	2146	37	1.4
15370.9	10000	38.7211	94.9107	-897	PLP	3.3	0	9.9	0	1.4	1	0.332	0	2.348	-1	7.076	-1	2143	48	1.4
15370.8	10000	38.7211	94.9100	-896	PLP	3.3	0	10.1	0	1.4	1	0.326	0	2.350	-1	7.204	-1	2117	53	1.4
15370.7	10000	38.7211	94.9092	-895	PLP	3.0	-1	10.0	0	1.4	1	0.293	-1	2.156	-1	7.349	-1	2128	49	1.4
15370.6	10000	38.7211	94.9084	-896	PLP	2.9	-1	10.0	0	1.4	1	0.279	-1	2.030	-1	7.264	-1	2114	32	1.4
15370.5	10000	38.7211	94.9077	-896	PLP	2.7	-2	10.0	0	1.4	1	0.265	-2	1.869	-2	7.059	-1	2107	46	1.4
15370.4	10000	38.7211	94.9069	-897	PLP	2.5	-2	10.0	0	1.5	1	0.245	-2	1.712	-2	6.989	-1	2107	51	1.4
15370.3	10000	38.7211	94.9062	-895	PLP	2.6	-1	10.0	0	1.4	1	0.258	-1	1.823	-2	7.074	-1	2132	49	1.4
15370.2	10000	38.7211	94.9054	-894	PLP	2.8	-1	10.1	0	1.4	1	0.292	-1	2.169	-1	7.423	-1	2130	48	1.4
15370.1	10000	38.7211	94.9046	-894	PLP	3.0	0	10.2	0	1.4	1	0.304	-1	2.322	-1	7.644	-1	2161	65	1.4
15370.0	10000	38.7211	94.9039	-894	PLP	3.1	0	10.3	0	1.4	1	0.303	-1	2.308	-1	7.629	-1	2165	51	1.4
15369.9	10000	38.7211	94.9031	-893	PLP	3.2	0	10.3	0	1.4	1	0.305	-1	2.405	-1	7.889	0	2163	36	1.4
15369.8	10000	38.7211	94.9024	-892	PLP	3.5	0	10.3	0	1.3	1	0.319	0	2.740	0	8.589	0	2164	40	1.4
15369.7	10000	38.7211	94.9016	-890	PLP	3.6	0	10.3	0	1.3	1	0.338	0	3.109	0	8.207	0	2148	33	1.4
15369.6	10000	38.7211	94.9009	-890	PLP	3.7	0	10.3	0	1.3	1	0.355	0	3.145	0	8.863	0	2114	61	1.4
15369.5	10000	38.7211	94.9001	-889	PLP	3.3	0	10.2	0	1.2	1	0.332	0	2.770	0	8.333	0	2103	47	1.4
15369.4	10000	38.7211	94.8993	-888	PLP	3.2	0	10.2	0	1.2	1	0.334	0	2.767	0	8.292	0	2076	41	1.4
15369.3	10000	38.7211	94.8986	-886	PKC	3.2	0	10.1	0	1.2	1	0.330	0	2.786	0	8.432	0	2070	45	1.4
15369.2	10000	38.7211	94.8978	-884	PKC	3.2	0	10.0	0	1.2	1	0.334	0	2.735	0	8.193	0	2091	48	1.4
15369.1	10000	38.7210	94.8971	-883	PKC	3.1	0	9.9	0	1.3	1	0.305	-1	2.529	-1	8.302	-1	2110	37	1.4
15369.0	10000	38.7210	94.8963	-882	PKC	3.0	-1	9.9	0	1.3	1	0.309	-1	2.440	-1	8.088	-1	2125	39	1.4
15368.9	10000	38.7210	94.8956	-880	PKC	2.9	-1	10.0	0	1.3	1	0.275	-1	2.292	-1	8.325	-1	2156	58	1.4
15368.8	10000	38.7210	94.8948	-877	PKC	2.7	-1	10.0	0	1.3	1	0.268	-1	2.269	-1	8.164	-1	2176	51	1.4
15368.7	10000	38.7210	94.8940	-875	PKC	2.5	-1	10.1	0	1.3	1	0.247	-1	2.174	-1	8.116	-1	2199	42	1.4
15368.6	10000	38.7210	94.8933	-873	PKC	2.6	-1	10.1	0	1.3	1	0.258	-1	2.206	-1	8.042	-1	2197	35	1.4
15368.5	10000	38.7210	94.8925	-872	PLP	2.8	-1	10.2	0	1.4	1	0.272	-1	2.254	-1	8.287	-1	2194	47	1.4
15368.4	10000	38.7210	94.8918	-870	PLP	3.0	0	10.9	0	1.4	1	0.276	-1	2.209	-1	7.991	0	2195	39	1.4

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15368.3	10000	38.7210	94.8910	-867	PLP	2.9	-1	10.9	1	1.4	1	0.262	-1	2.091	-1	7.995	0	2202	40	1.4
15368.2	10000	38.7210	94.8902	-866	PLP	3.2	0	10.5	1	1.4	1	0.302	-1	2.335	-1	7.737	-1	2178	40	1.5
15368.1	10000	38.7210	94.8895	-865	PLP	3.1	0	10.6	1	1.3	1	0.294	-1	2.320	-1	7.877	0	2164	56	1.5
15368.0	10000	38.7210	94.8887	-862	PLP	3.2	0	10.3	1	1.3	1	0.307	-1	2.384	-1	7.759	-1	2159	53	1.5
15367.9	10000	38.7210	94.8880	-861	PLP	3.3	0	10.2	1	1.3	1	0.319	0	2.538	0	7.958	0	2159	45	1.5
15367.8	10000	38.7210	94.8872	-858	PLP	3.3	0	10.0	0	1.3	1	0.336	0	2.672	0	7.951	0	2147	53	1.5
15367.7	10000	38.7210	94.8865	-857	PLP	3.3	0	10.1	0	1.3	1	0.325	0	2.588	0	7.961	0	2143	38	1.5
15367.6	10000	38.7210	94.8857	-856	PLP	3.3	0	10.1	0	1.2	1	0.332	0	2.680	0	8.076	0	2131	45	1.5
15367.5	10000	38.7210	94.8849	-854	PLP	3.1	0	10.7	1	1.3	1	0.292	-1	2.470	-1	8.459	0	2142	49	1.5
15367.4	10000	38.7210	94.8842	-852	PLP	3.1	0	10.6	1	1.2	0	0.293	-1	2.541	0	8.664	0	2156	37	1.5
15367.3	10000	38.7210	94.8834	-849	PLP	3.0	0	10.9	1	1.2	0	0.279	-1	2.437	-1	8.747	0	2157	40	1.5
15367.2	10000	38.7210	94.8827	-846	PLP	2.7	-1	11.2	1	1.3	1	0.246	-2	2.163	-1	8.777	0	2151	46	1.5
15367.1	10000	38.7210	94.8819	-845	PLP	2.7	-1	11.0	1	1.3	1	0.242	-2	2.028	-1	8.382	0	2164	53	1.5
15367.0	10000	38.7209	94.8811	-843	PLP	2.8	-1	11.2	1	1.3	1	0.250	-2	2.150	-1	8.593	0	2160	41	1.5
15366.9	10000	38.7209	94.8804	-840	PLP	2.8	-1	11.2	1	1.3	1	0.249	-2	2.076	-1	8.347	0	2166	42	1.5
15366.8	10000	38.7209	94.8796	-836	PLP	2.7	-1	10.5	1	1.4	1	0.256	-1	1.975	-1	7.704	-1	2165	45	1.5
15366.7	10000	38.7209	94.8789	-834	PLP	2.8	-1	10.3	1	1.4	1	0.269	-1	2.016	-1	7.501	-1	2133	47	1.5
15366.6	10000	38.7209	94.8781	-831	PLP	2.8	-1	9.5	0	1.3	1	0.300	-1	2.121	-1	7.079	-1	2094	34	1.5
15366.5	10000	38.7209	94.8774	-829	PLP	3.1	0	9.0	-1	1.3	1	0.341	0	2.300	-1	6.751	-1	2058	45	1.5
15366.4	10000	38.7209	94.8766	-826	PKC	3.2	0	8.8	0	1.3	1	0.357	0	2.474	-1	6.931	-1	2021	49	1.5
15366.3	10000	38.7209	94.8758	-821	PKC	3.3	0	8.1	-1	1.3	1	0.402	1	2.573	-1	6.398	-2	1992	44	1.5
15366.2	10000	38.7209	94.8751	-818	PKC	3.3	0	8.0	-1	1.2	0	0.410	1	2.771	0	6.760	-1	1969	56	1.5
15366.1	10000	38.7209	94.8743	-817	PKC	3.4	0	8.2	-1	1.2	0	0.414	1	2.929	0	7.080	-1	1926	53	1.5
15366.0	10000	38.7209	94.8736	-815	PKC	3.2	0	8.4	-1	1.2	0	0.382	0	2.730	0	7.148	-1	1920	44	1.5
15365.9	10000	38.7209	94.8728	-813	PKC	3.0	0	9.0	0	1.2	0	0.337	0	2.638	0	7.818	0	1937	42	1.5
15365.8	10000	38.7209	94.8721	-810	PKC	3.0	-1	9.1	0	1.2	0	0.326	0	2.551	-1	7.837	0	1959	54	1.5
15365.7	10000	38.7209	94.8713	-809	PKC	2.8	-1	9.4	0	1.2	0	0.302	-1	2.372	-1	7.866	0	1954	37	1.5
15365.6	10000	38.7209	94.8705	-808	PKC	2.6	-1	9.5	0	1.3	1	0.280	-1	2.109	-1	7.539	-1	1979	56	1.5
15365.5	10000	38.7209	94.8698	-807	PKC	2.5	-1	9.4	0	1.3	1	0.266	-1	1.887	-2	7.093	-1	1982	50	1.5
15365.4	10000	38.7209	94.8690	-806	PKC	2.6	-1	9.4	0	1.3	1	0.283	-1	1.979	-1	7.000	-1	2006	51	1.5
15365.3	10000	38.7209	94.8683	-804	PKC	3.0	-1	9.3	0	1.3	1	0.323	-1	2.243	-1	6.934	-1	2013	39	1.5
15365.2	10000	38.7208	94.8675	-806	PKC	3.5	-1	9.0	0	1.3	1	0.386	-1	2.560	-1	6.634	-1	2018	42	1.5
15365.1	10000	38.7209	94.8667	-806	PKC	3.6	-1	9.0	0	1.3	1	0.409	-1	2.697	-1	6.593	-1	2013	47	1.5
15365.0	10000	38.7208	94.8660	-807	PKC	3.6	-1	9.7	0	1.3	1	0.413	-1	2.707	-1	6.548	-1	2023	53	1.5
15364.9	10000	38.7208	94.8652	-806	PKC	3.8	-1	9.8	0	1.3	1	0.428	-1	2.969	-1	6.932	-1	2014	55	1.5
15364.8	10000	38.7208	94.8645	-807	PKC	4.0	-1	9.9	0	1.3	1	0.438	-1	3.159	-1	7.210	-1	2031	39	1.5
15364.7	10000	38.7208	94.8637	-809	PKC	3.7	-1	9.7	0	1.3	1	0.399	-1	2.987	-1	7.481	-1	2041	59	1.5
15364.6	10000	38.7208	94.8630	-810	PKC	3.7	-1	9.7	0	1.3	1	0.384	-1	3.048	0	7.933	0	2060	53	1.5
15364.5	10000	38.7208	94.8622	-811	PKC	3.3	-1	9.7	1	1.2	1	0.329	-1	2.766	0	8.406	0	2065	49	1.5
15364.4	10000	38.7208	94.8614	-812	PKC	3.0	-1	10.2	1	1.2	1	0.293	-1	2.542	0	8.674	0	2070	53	1.5
15364.3	10000	38.7208	94.8607	-813	PKC	3.4	-1	10.6	1	1.2	1	0.324	-1	2.799	0	8.635	0	2092	42	1.5
15364.2	10000	38.7208	94.8599	-815	PKC	3.2	-1	10.7	1	1.2	1	0.293	-2	2.607	-1	8.890	0	2092	43	1.5
15364.1	10000	38.7208	94.8592	-818	PKC	3.2	-1	10.5	1	1.2	1	0.308	-2	2.665	-1	8.653	0	2079	53	1.5
15364.0	10000	38.7208	94.8584	-819	PKC	3.4	-1	10.2	1	1.2	1	0.334	-2	2.800	-1	8.374	0	2075	48	1.5
15363.9	10000	38.7208	94.8577	-820	PKC	3.3	-1	9.8	1	1.2	1	0.363	-2	2.744	-1	7.557	0	2056	48	1.5
15363.8	10000	38.7208	94.8569	-823	PKC	3.4	-1	9.8	1	1.2	1	0.391	-2	2.848	-1	7.293	-1	2042	54	1.5
15363.7	10000	38.7208	94.8561	-825	PKC	3.5	-1	9.6	1	1.2	1	0.436	-2	3.123	-1	7.170	-1	2036	55	1.5
15363.6	10000	38.7208	94.8554	-827	PKC	3.5	-1	9.5	1	1.2	1	0.412	-2	3.059	-1	7.421	-1	2021	38	1.5
15363.5	10000	38.7208	94.8546	-829	PKC	3.8	-1	9.4	1	1.2	1	0.462	-2	3.538	-1	7.650	-1	2022	43	1.5
15363.4	10000	38.7208	94.8539	-830	PKC	3.8	-1	9.4	1	1.2	1	0.448	-2	3.533	-1	7.881	-1	2041	47	1.5
15363.3	10000	38.7208	94.8531	-832	PKC	3.9	-1	9.5	1	1.2	1	0.422	-2	3.415	-1	8.097	-1	2057	61	1.5
15363.2	10000	38.7207	94.8523	-835	PKC	3.5	-1	9.5	1	1.1	1	0.362	-2	3.150	-1	8.693	0	2075	41	1.5

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15363.1	10000	38.7207	94.8516	-836	PKC	3.4	0	10.0	1	1.1	0	0.342	0	3.041	0	8.887	0	2090	61	1.5
15363.0	10000	38.7207	94.8508	-837	PKC	3.4	0	10.3	1	1.1	0	0.332	0	3.038	0	9.143	1	2114	54	1.5
15362.9	10000	38.7207	94.8501	-840	PKC	3.6	0	10.5	1	1.2	0	0.338	0	2.945	0	8.715	0	2142	46	1.5
15362.8	10000	38.7207	94.8493	-842	PKC	3.5	0	10.9	1	1.3	1	0.324	0	2.738	0	8.452	0	2168	72	1.5
15362.7	10000	38.7207	94.8486	-844	PKC	3.3	0	11.2	1	1.3	1	0.299	-1	2.601	-1	8.688	0	2168	57	1.5
15362.6	10000	38.7207	94.8478	-845	PKC	3.6	1	11.6	2	1.3	1	0.307	-1	2.775	0	9.028	1	2183	36	1.5
15362.5	10000	38.7207	94.8470	-847	PKC	3.7	1	11.8	2	1.3	1	0.317	-1	2.907	0	9.171	1	2209	45	1.5
15362.4	10000	38.7207	94.8463	-848	PKC	3.7	1	11.8	2	1.3	1	0.314	-1	2.842	0	9.064	1	2222	49	1.5
15362.3	10000	38.7207	94.8455	-850	PKC	3.8	1	11.6	2	1.4	1	0.328	0	2.778	0	8.479	0	2235	41	1.5
15362.2	10000	38.7207	94.8448	-852	PKC	3.6	0	11.3	2	1.3	1	0.317	-1	2.715	0	8.571	0	2223	50	1.5
15362.1	10000	38.7207	94.8440	-853	PKC	3.6	0	10.9	1	1.3	1	0.333	0	2.807	0	8.429	0	2205	42	1.5
15362.0	10000	38.7207	94.8432	-855	PKC	3.7	1	10.8	1	1.3	1	0.347	0	2.900	0	8.368	0	2196	48	1.5
15361.9	10000	38.7207	94.8425	-856	PLP	3.8	1	10.2	1	1.3	1	0.373	1	3.012	0	8.079	0	2191	41	1.5
15361.8	10000	38.7207	94.8417	-857	PLP	4.0	2	10.2	1	1.3	1	0.39[illegible]	1	3.109	0	7.864	0	2169	38	1.5
15361.7	10000	38.7207	94.8410	-857	PLP	3.9	2	10.0	1	1.3	1	0.391	1	2.986	0	7.640	-1	2163	47	1.5
15361.6	10000	38.7207	94.8402	-858	PLP	3.6	1	10.1	0	1.3	1	0.358	0	2.736	0	7.645	-1	2165	38	1.5
15361.5	10000	38.7207	94.8395	-861	PLP	3.7	1	10.1	0	1.4	1	0.363	0	2.688	0	7.401	-1	2166	42	1.5
15361.4	10000	38.7207	94.8387	-863	PLP	3.4	1	10.3	1	1.4	1	0.334	0	2.532	-1	7.[illegible]77	-1	2169	37	1.4
15361.3	10000	38.7207	94.8379	-864	PLP	3.6	1	10.2	1	1.4	1	0.350	0	2.578	0	7.361	-1	2179	50	1.4
15361.2	10000	38.7206	94.8372	-865	PLP	3.3	1	9.9	0	1.4	1	0.334	0	2.395	-1	7.161	-1	2155	49	1.4
15361.1	10000	38.7206	94.8364	-866	PLP	3.2	0	9.6	0	1.4	1	0.329	0	2.264	-1	6.885	-1	2146	52	1.4
15361.0	10000	38.7206	94.8357	-866	PLP	3.4	0	9.7	0	1.4	1	0.352	0	2.487	-1	7.068	-1	2129	57	1.4
15360.9	10000	38.7206	94.8349	-868	PLP	3.5	1	9.7	0	1.3	1	0.366	1	2.661	0	7.270	-1	2107	46	1.4
15360.8	10000	38.7206	94.8342	-869	PLP	3.4	0	9.8	0	1.3	1	0.350	0	2.653	0	7.574	-1	2098	52	1.4
15360.7	10000	38.7206	94.8334	-870	PLP	3.6	1	10.0	0	1.3	1	0.355	0	2.697	0	7.596	-1	2102	50	1.4
15360.6	10000	38.7206	94.8326	-870	PLP	3.5	1	10.0	0	1.3	1	0.352	0	2.755	0	7.835	-1	2098	49	1.4
15360.5	10000	38.7206	94.8319	-872	PLP	3.6	1	10.3	1	1.3	1	0.350	0	2.803	0	8.000	0	2119	46	1.4
15360.4	10000	38.7206	94.8311	-872	PLP	3.7	1	10.3	1	1.3	1	0.355	0	2.905	0	8.181	0	2129	43	1.4
15360.3	10000	38.7206	94.8304	-874	PLP	3.6	1	10.1	0	1.3	1	0.354	0	2.831	0	7.996	0	2147	57	1.4
15360.2	10000	38.7206	94.8296	-873	PLP	3.5	1	10.1	0	1.3	1	0.352	0	2.750	-1	7.821	0	2170	50	1.4
15360.1	10000	38.7206	94.8288	-872	PLP	3.7	1	10.1	1	1.3	1	0.366	0	2.891	0	7.899	0	2184	38	1.4
15360.0	10000	38.7206	94.8281	-872	PLP	3.8	1	10.1	1	1.3	1	0.375	0	2.979	0	7.950	0	2183	41	1.4
15359.9	10000	38.7206	94.8273	-873	PLP	3.5	1	10.1	1	1.3	1	0.341	0	2.753	0	8.082	0	2186	52	1.4
15359.8	10000	38.7206	94.8266	-873	PLP	3.3	1	10.1	1	1.3	1	0.315	0	2.612	0	8.302	0	2182	48	1.4
15359.7	10000	38.7206	94.8258	-872	PLP	3.3	1	10.1	1	1.3	1	0.309	0	2.467	-1	7.983	0	2184	42	1.4
15359.6	10000	38.7206	94.8251	-870	PLP	3.3	1	10.1	1	1.3	1	0.314	0	2.501	-1	7.977	0	2161	55	1.4
15359.5	10000	38.7206	94.8243	-869	PLP	3.3	1	10.1	1	1.3	1	0.336	0	2.750	-1	8.195	0	2147	34	1.4
15359.4	10000	38.7206	94.8235	-868	PLP	3.3	1	10.1	1	1.3	1	0.323	0	2.563	-1	7.928	0	2135	44	1.4
15359.3	10000	38.7205	94.8228	-867	PLP	3.2	1	10.1	1	1.3	1	0.313	0	2.445	-1	7.816	-1	2119	43	1.4
15359.2	10000	38.7205	94.8220	-866	PLP	3.4	1	10.1	1	1.4	1	0.329	0	2.434	-1	7.399	-1	2126	44	1.4
15359.1	10000	38.7205	94.8213	-864	PLP	3.2	1	9.7	0	1.4	1	0.332	0	2.322	-1	6.993	-1	2109	53	1.5
15359.0	10000	38.7205	94.8205	-863	PLP	3.3	1	9.8	0	1.4	1	0.337	0	2.452	-1	7.285	-1	2103	55	1.5
15358.9	10000	38.7205	94.8197	-861	PLP	3.5	1	10.0	0	1.4	1	0.339	0	2.568	-1	7.564	-1	2122	42	1.5
15358.8	10000	38.7205	94.8190	-860	PLP	3.3	1	10.0	0	1.4	1	0.294	0	2.209	-1	7.522	-1	2112	46	1.5
15358.7	10000	38.7205	94.8182	-857	PLP	3.3	1	10.0	0	1.4	1	0.311	0	2.373	-1	7.633	-1	2122	53	1.5
15358.6	10000	38.7205	94.8175	-854	PKC	3.1	1	10.0	0	1.4	1	0.292	0	2.266	-1	7.750	-1	2142	54	1.5
15358.5	10000	38.7205	94.8167	-852	PKC	3.0	1	10.0	0	1.4	1	0.276	0	2.251	-1	7.158	-1	2129	51	1.5
15358.4	10000	38.7205	94.8159	-850	PKC	2.9	1	10.0	0	1.4	1	0.284	0	2.312	-1	7.154	-1	2123	42	1.5
15358.3	10000	38.7205	94.8152	-848	PKC	2.5	1	10.0	0	1.3	1	0.254	0	2.175	-1	7.573	-1	2111	42	1.5
15358.2	10000	38.7205	94.8144	-846	PKC	2.6	1	10.1	0	1.3	1	0.230	-2	1.977	-1	8.584	0	2083	52	1.5
15358.1	10000	38.7205	94.8137	-842	PKC	2.5	1	10.1	0	1.3	1	0.246	-2	2.222	-1	9.019	0	2038	39	1.5
15358.0	10000	38.7205	94.8129	-839	PKC	2.3	-2	10.2	1	1.2	0	0.229	-2	1.994	-1	8.695	0	1993	52	1.5

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15357.9	10000	38.7205	94.8122	-834	PKC	2.3	-2	10.1	1	1.2	0	0.224	-2	1.943	-1	8.670	0	1963	47	1.5
15357.8	10000	38.7205	94.8114	-833	PKC	2.6	-1	9.7	1	1.2	0	0.269	-1	2.215	-1	8.227	0	1954	42	1.5
15357.7	10000	38.7205	94.8106	-833	PKC	2.5	-1	9.8	0	1.2	0	0.255	-1	2.153	-1	8.448	0	1958	45	1.5
15357.6	10000	38.7205	94.8099	-832	PKC	2.7	-1	9.4	0	1.2	0	0.284	-1	2.220	-1	7.815	0	1979	47	1.5
15357.5	10000	38.7205	94.8091	-830	PKC	2.9	-1	9.7	0	1.3	1	0.304	-1	2.242	-1	7.381	-1	2028	38	1.5
15357.4	10000	38.7205	94.8084	-827	PKC	3.1	0	10.4	1	1.4	1	0.299	-1	2.249	-1	7.524	-1	2098	46	1.5
15357.3	10000	38.7205	94.8076	-825	PKC	3.1	0	11.0	1	1.4	2	0.279	-1	2.202	-1	7.882	0	2148	51	1.5
15357.2	10000	38.7205	94.8068	-824	PKC	3.2	0	11.1	1	1.4	1	0.293	-1	2.360	-1	8.067	0	2166	35	1.5
15357.1	10000	38.7205	94.8061	-822	PKC	2.9	-1	11.5	2	1.4	1	0.253	-1	2.101	-1	8.295	0	2182	48	1.5
15357.0	10000	38.7204	94.8053	-820	PKC	3.3	0	12.0	2	1.4	2	0.273	-1	2.306	-1	8.458	0	2193	50	1.5
15356.9	10000	38.7205	94.8046	-817	PKC	3.4	0	11.9	2	1.3	1	0.286	-1	2.530	-1	8.847	0	2187	37	1.5
15356.8	10000	38.7204	94.8038	-815	PKC	3.4	0	12.0	2	1.3	1	0.281	-1	2.641	0	9.405	1	2165	50	1.5
15356.7	10000	38.7204	94.8030	-814	PKC	3.3	0	11.7	2	1.3	1	0.282	-1	2.532	-1	8.977	0	2166	48	1.5
15356.6	10000	38.7204	94.8023	-813	PKC	3.4	0	11.2	1	1.3	1	0.302	-1	2.596	-1	8.596	0	2155	55	1.5
15356.5	10000	38.7204	94.8015	-810	PKC	3.4	0	11.3	2	1.4	1	0.301	-1	2.504	-1	8.318	0	2168	57	1.6
15356.4	10000	38.7204	94.8007	-808	PKC	3.4	0	11.3	2	1.4	1	0.303	-1	2.517	-1	8.318	0	2167	57	1.6
15356.3	10000	38.7204	94.8000	-805	PKC	3.2	0	10.7	1	1.3	1	0.302	-1	2.438	-1	8.068	0	2166	44	1.6
15356.2	10000	38.7204	94.7992	-804	PKC	3.0	0	10.7	1	1.3	1	0.284	-1	2.257	-1	7.937	0	2154	63	1.6
15356.1	10000	38.7204	94.7984	-803	PKC	3.0	-1	10.8	1	1.3	1	0.28[illegible]	-1	2.237	-1	7.988	0	2153	37	1.6
15356.0	10000	38.7204	94.7977	-801	PKC	3.0	-1	10.5	1	1.4	1	0.2[illegible]	-1	2.186	-1	7.742	0	2144	55	1.6
15355.9	10000	38.7204	94.7969	-799	PKC	3.2	0	10.7	1	1.3	1	0.301	-1	2.433	-1	8.089	0	2148	55	1.6
15355.8	10000	38.7204	94.7962	-797	PKC	3.1	0	10.7	1	1.3	1	0.294	-1	2.426	-1	8.240	0	2154	41	1.6
15355.7	10000	38.7204	94.7954	-795	PKC	3.2	0	10.2	1	1.3	1	0.309	-1	2.512	-1	8.134	0	2141	60	1.6
15355.6	10000	38.7204	94.7946	-795	PKC	3.4	0	10.4	1	1.2	1	0.327	0	2.738	0	8.366	0	2159	39	1.6
15355.5	10000	38.7204	94.7939	-793	PKC	3.5	0	10.5	1	1.2	1	0.337	0	2.832	0	8.403	0	2[illegible]	40	1.6
15355.4	10000	38.7204	94.7931	-791	PKC	3.6	0	9.8	1	1.3	1	0.364	0	2.826	0	7.754	0	2182	48	1.6
15355.3	10000	38.7204	94.7924	-789	PKC	3.5	0	9.9	0	1.2	1	0.352	0	2.878	0	8.171	0	2174	56	1.6
15355.2	10000	38.7204	94.7916	-788	PKC	3.2	0	9.8	0	1.2	1	0.329	0	2.627	-1	7.979	0	2169	41	1.6
15355.1	10000	38.7204	94.7908	-787	PKC	3.2	0	9.7	0	1.2	1	0.329	0	2.574	-1	7.830	0	2167	52	1.6
15355.0	10000	38.7204	94.7901	-786	PKC	3.5	0	9.7	0	1.3	1	0.359	0	2.726	0	7.597	-1	2189	50	1.6
15354.9	10000	38.7204	94.7893	-785	PKC	3.2	0	9.7	0	1.3	1	0.335	0	2.532	-1	7.569	-1	2173	65	1.6
15354.8	10000	38.7204	94.7885	-782	PKC	3.1	0	9.3	0	1.3	1	0.332	0	2.408	-1	7.257	-1	2161	43	1.7
15354.7	10000	38.7204	94.7878	-781	PKC	3.2	0	9.3	0	1.3	1	0.349	0	2.576	-1	7.376	-1	2166	45	1.7
15354.6	10000	38.7204	94.7870	-781	PKC	3.4	0	9.2	0	1.3	1	0.369	0	2.667	0	7.237	-1	2196	56	1.7
15354.5	10000	38.7204	94.7863	-782	PKC	3.3	0	9.6	0	1.3	1	0.346	0	2.533	-1	7.324	-1	2220	42	1.7
15354.4	10000	38.7204	94.7855	-781	PKC	3.2	0	9.6	0	1.3	1	0.337	0	2.482	-1	7.359	-1	2212	60	1.7
15354.3	10000	38.7204	94.7847	-780	PKC	3.2	0	9.8	0	1.3	1	0.324	0	2.400	-1	7.415	-1	2210	45	1.7
15354.2	10000	38.7204	94.7840	-779	PKC	3.2	0	9.9	0	1.3	1	0.324	0	2.437	-1	7.528	-1	2218	41	1.7
15354.1	10000	38.7204	94.7832	-779	PKC	3.2	0	10.0	1	1.3	1	0.313	-1	2.323	-1	7.425	-1	2227	56	1.7
15354.0	10000	38.7204	94.7824	-780	PKC	3.1	0	10.8	1	1.4	1	0.288	-1	2.217	-1	7.697	-1	2227	45	1.7
15353.9	10000	38.7204	94.7817	-780	PKC	3.0	-1	10.8	1	1.4	2	0.270	-1	2.022	-1	7.490	-1	2210	48	1.7
15353.8	10000	38.7204	94.7809	-779	PKC	3.2	0	10.8	1	1.4	2	0.293	-1	2.230	-1	7.600	-1	2199	42	1.7
15353.7	10000	38.7204	94.7802	-778	PKC	3.4	0	10.4	1	1.4	1	0.325	-1	2.421	-1	7.459	-1	2202	39	1.7
15353.6	10000	38.7204	94.7794	-778	PKC	3.4	0	10.5	1	1.4	1	0.307	-1	2.366	-1	7.707	0	2202	46	1.7
15353.5	10000	38.7204	94.7786	-779	PKC	3.4	0	10.6	1	1.4	1	0.318	-1	2.446	-1	7.704	0	2203	60	1.7
15353.4	10000	38.7204	94.7779	-779	PKC	3.4	0	10.8	1	1.4	1	0.311	-1	2.484	-1	8.000	0	2192	41	1.7
15353.3	10000	38.7204	94.7771	-779	PKC	3.4	0	10.2	1	1.4	1	0.300	-1	2.258	-1	7.519	-1	2190	50	1.7
15353.2	10000	38.7204	94.7764	-777	PKC	3.4	0	10.4	1	1.3	1	0.300	-1	2.328	-1	7.757	0	2195	46	1.7
15353.1	10000	38.7204	94.7756	-776	PKC	3.4	0	10.4	1	1.3	1	0.291	-1	2.244	-1	7.709	0	2205	54	1.7
15353.0	10000	38.7204	94.7748	-777	PKC	3.0	-1	10.5	1	1.3	1	0.273	-1	2.117	-1	7.767	0	2190	57	1.7
15352.9	10000	38.7204	94.7741	-779	PKC	2.8	-1	10.6	1	1.3	1	0.260	-1	2.042	-1	7.842	0	2162	35	1.7
15352.8	10000	38.7204	94.7733	-780	PKC	2.7	-1	10.2	1	1.4	1	0.266	-1	1.936	-2	7.263	-1	2134	59	1.7

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15352.7	10000	38.7204	94.7725	-780	PKC	2.9	-1	10.3	1	1.4	1	0.279	-1	2.121	-1	7.591	-1	2122	47	1.7
15352.6	10000	38.7204	94.7718	-779	PKC	3.0	-1	10.6	1	1.4	1	0.283	-1	2.207	-1	7.808	0	2115	45	1.7
15352.5	10000	38.7204	94.7710	-780	PKC	3.0	0	10.7	1	1.3	1	0.284	-1	2.250	-1	7.933	0	2094	44	1.7
15352.4	10000	38.7204	94.7702	-782	PKC	3.0	-1	10.3	1	1.3	1	0.292	-1	2.282	-1	7.817	0	2066	42	1.7
15352.3	10000	38.7204	94.7695	-783	PKC	3.2	0	10.2	1	1.3	1	0.310	-1	2.421	-1	7.812	0	2073	60	1.7
15352.2	10000	38.7204	94.7687	-783	PKC	3.3	0	10.0	1	1.4	1	0.334	0	2.465	-1	7.390	-1	2094	53	1.7
15352.1	10000	38.7203	94.7680	-783	PKC	3.2	0	10.2	1	1.3	1	0.308	-1	2.367	-1	7.679	-1	2097	55	1.7
15352.0	10000	38.7204	94.7672	-783	PKC	2.9	-1	9.6	1	1.3	1	0.299	-1	2.155	-1	7.197	-1	2095	45	1.7
15351.9	10000	38.7203	94.7664	-785	PKC	2.9	-1	9.7	1	1.3	1	0.298	-1	2.197	-1	7.363	-1	2091	48	1.7
15351.8	10000	38.7203	94.7657	-787	PKC	2.7	-1	9.5	1	1.3	1	0.287	-1	2.079	-1	7.250	-1	2089	43	1.8
15351.7	10000	38.7203	94.7649	-787	PKC	2.6	-1	9.8	1	1.3	1	0.271	-1	1.985	-1	7.335	-1	2089	40	1.8
15351.6	10000	38.7203	94.7642	-787	PKC	2.5	-1	9.8	1	1.3	1	0.252	-1	1.868	-2	7.421	-1	2083	52	1.8
15351.5	10000	38.7203	94.7634	-788	PKC	2.4	-2	9.9	1	1.3	1	0.246	-1	1.873	-2	7.619	-1	2070	52	1.8
15351.4	10000	38.7203	94.7626	-790	PKC	2.4	-2	10.0	1	1.3	1	0.241	-1	1.826	-2	7.571	-1	2079	45	1.8
15351.3	10000	38.7203	94.7619	-791	PKC	2.6	-1	9.8	1	1.4	1	0.264	-1	1.907	-2	7.221	-1	2076	52	1.8
15351.2	10000	38.7203	94.7611	-792	PKC	2.6	-1	10.1	1	1.4	1	0.253	-1	1.875	-2	7.415	-1	2073	53	1.8
15351.1	10000	38.7203	94.7603	-793	PKC	2.7	-1	9.9	1	1.3	1	0.270	-1	1.991	-1	7.381	-1	2061	43	1.8
15351.0	10000	38.7203	94.7596	-793	PKC	2.6	-1	9.6	1	1.3	1	0.274	-1	1.989	-1	7.249	-1	2043	50	1.8
15350.9	10000	38.7203	94.7588	-795	PKC	2.8	-1	9.5	1	1.3	1	0.295	-1	2.092	-1	7.084	-1	2030	41	1.8
15350.8	10000	38.7203	94.7581	-797	PKC	2.9	-1	9.4	1	1.3	1	0.304	-1	2.162	-1	7.107	-1	2018	49	1.8
15350.7	10000	38.7203	94.7573	-798	PKC	2.9	-1	9.3	1	1.3	1	0.312	-1	2.262	-1	7.254	-1	2009	59	1.8
15350.6	10000	38.7203	94.7565	-799	PKC	2.8	-1	9.6	1	1.2	1	0.286	-1	2.223	-1	7.770	0	2011	57	1.8
15350.5	10000	38.7203	94.7558	-800	PKC	2.6	-1	9.1	1	1.3	1	0.287	-1	2.046	-1	7.118	-1	2012	44	1.7
15350.4	10000	38.7203	94.7550	-802	PKC	2.8	-1	9.2	1	1.3	1	0.305	-1	2.167	-1	7.093	-1	2041	46	1.7
15350.3	10000	38.7203	94.7542	-803	PKC	3.0	-1	9.2	1	1.3	1	0.322	0	2.343	-1	7.269	-1	2070	45	1.7
15350.2	10000	38.7203	94.7535	-804	PKC	2.9	-1	9.0	1	1.3	1	0.324	0	2.330	-1	7.200	-1	2080	44	1.7
15350.1	10000	38.7203	94.7527	-804	PKC	2.7	-1	8.8	1	1.3	1	0.306	-1	2.088	-1	6.817	-1	2093	48	1.7
15350.0	10000	38.7203	94.7520	-805	PKC	2.8	-1	8.9	1	1.3	1	0.312	-1	2.140	-1	6.863	-1	2100	49	1.7
15349.9	10000	38.7203	94.7512	-806	PKC	2.8	-1	9.1	1	1.3	1	0.314	-1	2.124	-1	6.771	-1	2109	41	1.7
15349.8	10000	38.7203	94.7504	-807	PKC	2.8	-1	9.2	1	1.3	1	0.312	-1	2.208	-1	7.075	-1	2119	48	1.7
15349.7	10000	38.7203	94.7497	-808	PKC	2.8	-1	9.7	1	1.3	1	0.291	-1	2.144	-1	7.371	-1	2118	49	1.7
15349.6	10000	38.7203	94.7489	-809	PKC	2.7	-1	9.0	1	1.3	1	0.275	-1	2.050	-1	7.466	-1	2111	48	1.7
15349.5	10000	38.7203	94.7482	-809	PKC	2.8	-1	9.4	1	1.3	1	0.265	-1	2.022	-1	7.638	-1	2131	56	1.7
15349.4	10000	38.7203	94.7474	-810	PLP	2.8	-1	9.5	1	1.3	1	0.264	-1	2.101	-1	7.960	-1	2150	57	1.7
15349.3	10000	38.7203	94.7466	-812	PLP	2.9	-1	9.6	1	1.3	1	0.257	-1	2.106	-1	8.203	-1	2163	60	1.7
15349.2	10000	38.7203	94.7459	-812	PLP	2.9	-1	9.7	1	1.3	1	0.284	-1	2.336	-1	8.237	-1	2179	54	1.7
15349.1	10000	38.7203	94.7451	-812	PLP	3.1	0	10.0	1	1.3	1	0.300	-1	2.495	-1	8.321	-1	2183	48	1.7
15349.0	10000	38.7203	94.7443	-811	PLP	3.0	-1	9.8	1	1.3	1	0.292	-1	2.389	-1	8.175	-1	2181	57	1.7
15348.9	10000	38.7203	94.7436	-810	PLP	2.8	-1	9.5	1	1.3	1	0.281	-1	2.222	-1	7.915	-1	2195	44	1.7
15348.8	10000	38.7203	94.7428	-811	PLP	2.9	-1	9.6	1	1.3	1	0.262	-1	2.078	-1	7.933	-1	2176	45	1.7
15348.7	10000	38.7203	94.7421	-812	PLP	2.9	-1	9.8	1	1.3	1	0.265	-1	2.106	-1	7.945	-1	2164	36	1.7
15348.6	10000	38.7203	94.7413	-813	PLP	2.9	-1	9.9	1	1.3	1	0.290	-1	2.227	-1	7.667	-1	2170	41	1.7
15348.5	10000	38.7203	94.7405	-812	PLP	2.8	-1	9.8	1	1.3	1	0.273	-1	2.051	-1	7.500	-1	2183	43	1.7
15348.4	10000	38.7203	94.7398	-813	PKC	2.6	-1	9.7	1	1.3	1	0.255	-1	1.910	-2	7.488	-1	2200	52	1.7
15348.3	10000	38.7203	94.7390	-815	PKC	2.8	-1	9.6	1	1.3	1	0.280	-1	2.006	-1	7.175	-1	2196	47	1.7
15348.2	10000	38.7203	94.7383	-814	PKC	2.8	-1	9.4	1	1.3	1	0.297	-1	2.212	-1	7.455	-1	2211	47	1.7
15348.1	10000	38.7203	94.7375	-814	PKC	2.9	-1	9.4	1	1.3	1	0.328	-1	2.470	-1	7.529	-1	2225	53	1.7
15348.0	10000	38.7203	94.7367	-814	PKC	2.9	-1	9.4	1	1.3	1	0.351	-1	2.521	-1	7.615	-1	2225	40	1.7
15347.9	10000	38.7202	94.7360	-815	PKC	2.9	-1	9.4	1	1.3	1	0.327	-1	2.558	-1	7.827	-1	2222	51	1.7
15347.8	10000	38.7202	94.7352	-816	PKC	2.9	-1	9.4	1	1.3	1	0.322	-1	2.651	-1	8.244	-1	2207	51	1.7
15347.7	10000	38.7202	94.7344	-816	PKC	2.9	-1	9.4	1	1.3	1	0.348	-1	2.705	-1	7.764	-1	2194	43	1.7
15347.6	10000	38.7202	94.7337	-815	PLP	2.7	-1	9.4	1	1.3	1	0.369	-1	2.869	0	7.772	-1	2200	48	1.7

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15347.5	10000	38.7202	94.7329	-814	PLP	3.4	0	9.9	0	1.3	1	0.347	0	2.667	0	7.691	-1	2173	49	1.7
15347.4	10000	38.7202	94.7321	-812	PLP	3.3	0	9.8	0	1.3	1	0.338	0	2.509	-1	7.425	-1	2174	62	1.7
15347.3	10000	38.7202	94.7314	-812	PLP	3.6	1	9.8	0	1.3	1	0.370	1	2.716	0	7.348	-1	2178	48	1.7
15347.2	10000	38.7202	94.7306	-811	PLP	3.3	0	9.7	0	1.3	1	0.339	0	2.541	0	7.492	-1	2155	43	1.7
15347.1	10000	38.7202	94.7299	-810	PLP	3.2	0	9.7	0	1.3	1	0.332	0	2.479	-1	7.477	-1	2156	42	1.7
15347.0	10000	38.7202	94.7291	-809	PLP	3.1	0	10.2	1	1.3	1	0.300	-1	2.350	-1	7.834	-1	2150	47	1.7
15346.9	10000	38.7202	94.7283	-807	PLP	2.8	-1	10.7	1	1.3	1	0.263	-1	2.169	-1	8.256	0	2151	57	1.7
15346.8	10000	38.7202	94.7276	-806	PLP	3.0	0	10.8	1	1.3	1	0.278	-1	2.268	-1	8.162	0	2161	48	1.7
15346.7	10000	38.7202	94.7268	-806	PLP	3.1	0	11.0	1	1.3	1	0.282	-1	2.414	-1	8.556	0	2158	52	1.7
15346.6	10000	38.7202	94.7260	-804	PLP	2.9	-1	10.8	1	1.3	1	0.267	-1	2.188	-1	8.203	0	2150	55	1.7
15346.5	10000	38.7202	94.7253	-803	PLP	3.1	0	10.6	1	1.3	1	0.293	-1	2.339	-1	7.971	0	2154	49	1.6
15346.4	10000	38.7202	94.7245	-801	PLP	2.9	-1	10.3	1	1.3	1	0.285	-1	2.214	-1	7.773	-1	2111	49	1.6
15346.3	10000	38.7202	94.7238	-801	PLP	2.8	-1	9.9	0	1.2	0	0.282	-1	2.289	-1	8.124	0	2057	58	1.6
15346.2	10000	38.7202	94.7230	-800	PLP	2.7	-1	9.5	0	1.2	0	0.289	-1	2.266	-1	7.846	0	2036	40	1.6
15346.1	10000	38.7202	94.7222	-798	PLP	2.9	-1	9.2	0	1.2	0	0.311	0	2.412	-1	7.749	-1	2019	36	1.6
15346.0	10000	38.7202	94.7215	-794	PLP	2.5	-2	9.1	-1	1.2	0	0.274	-1	2.125	-1	7.740	-1	1994	43	1.6
15345.9	10000	38.7202	94.7207	-797	PLP	2.4	-2	9.3	0	1.2	0	0.254	-1	2.035	-1	8.001	0	1980	55	1.6
15345.8	10000	38.7202	94.7200	-791	PLP	2.2	-2	9.2	0	1.2	0	0.235	-2	1.811	-2	7.691	-1	1977	43	1.6
15345.7	10000	38.7202	94.7192	-773	PLP	2.2	-2	9.2	0	1.2	0	0.243	-2	1.856	-2	7.631	-1	2023	51	1.6
15345.6	10000	38.7202	94.7184	-756	PLP	2.5	-1	9.4	0	1.3	1	0.270	-1	1.945	-1	7.202	-1	2074	56	1.6
15345.5	10000	38.7202	94.7177	-775	PLP	2.5	-2	9.4	0	1.3	1	0.268	-1	1.893	-2	7.075	-1	2086	44	1.6
15345.4	10000	38.7202	94.7169	-783	PLP	2.4	-2	9.7	0	1.3	1	0.254	-1	1.874	-2	7.391	-1	2095	49	1.6
15345.3	10000	38.7202	94.7161	-786	PLP	2.6	-1	9.5	0	1.3	1	0.269	-1	1.931	-1	7.182	-1	2106	49	1.6
15345.2	10000	38.7202	94.7154	-789	PLP	2.6	-1	9.6	0	1.3	1	0.265	-1	2.014	-1	7.611	-1	2138	54	1.6
15345.1	10000	38.7202	94.7146	-789	PLP	2.8	-1	10.0	1	1.3	1	0.284	-1	2.269	-1	7.997	0	2150	47	1.6
15345.0	10000	38.7202	94.7139	-789	PLP	2.8	-1	10.4	1	1.2	0	0.266	-1	2.246	-1	8.431	0	2131	39	1.6
15344.9	10000	38.7202	94.7131	-790	PLP	2.9	-1	10.0	1	1.2	0	0.286	-1	2.390	-1	8.344	0	2132	53	1.6
15344.8	10000	38.7202	94.7123	-790	PLP	2.7	-1	10.0	0	1.2	0	0.273	-1	2.214	-1	8.107	0	2136	59	1.6
15344.7	10000	38.7202	94.7116	-791	PLP	2.9	-1	9.7	0	1.2	1	0.295	-1	2.301	-1	7.800	-1	2148	40	1.6
15344.6	10000	38.7202	94.7108	-791	PKC	3.2	0	10.2	1	1.2	1	0.312	-1	2.578	-1	8.267	0	2172	46	1.6
15344.5	10000	38.7202	94.7101	-790	PKC	2.9	-1	9.6	0	1.2	0	0.302	-1	2.681	-1	7.687	-1	2163	61	1.6
15344.4	10000	38.7202	94.7093	-790	PKC	2.5	-1	9.6	1	1.2	0	0.259	-1	2.652	-1	7.389	-1	2181	44	1.6
15344.3	10000	38.7202	94.7085	-791	PKC	2.5	-1	9.6	1	1.2	0	0.259	-1	2.776	-1	7.124	-1	2174	55	1.6
15344.2	10000	38.7202	94.7078	-792	PKC	2.4	-1	9.6	1	1.2	0	0.248	-1	2.668	-1	7.120	-1	2176	45	1.6
15344.1	10000	38.7201	94.7070	-792	PKC	2.8	-1	9.9	1	1.2	0	0.283	-1	3.056	0	7.804	0	2169	44	1.6
15344.0	10000	38.7202	94.7062	-792	PKC	2.9	-1	9.9	1	1.2	0	0.293	-1	2.933	-1	8.098	0	2152	51	1.6
15343.9	10000	38.7201	94.7055	-793	PKC	2.9	-1	9.9	1	1.2	0	0.293	-1	2.942	-1	8.209	0	2133	65	1.6
15343.8	10000	38.7201	94.7047	-794	PKC	2.8	-1	10.1	1	1.2	0	0.282	-1	2.815	-1	8.608	0	2115	45	1.6
15343.7	10000	38.7201	94.7039	-795	PKC	2.5	-1	10.0	1	1.2	0	0.253	-1	2.513	-1	8.647	0	2089	43	1.6
15343.6	10000	38.7201	94.7032	-795	PKC	2.6	-1	10.6	1	1.2	0	0.246	-1	2.636	-1	9.107	0	2093	57	1.6
15343.5	10000	38.7201	94.7024	-794	PKC	2.2	-1	10.1	1	1.1	0	0.217	-1	2.617	-1	9.822	0	2087	49	1.6
15343.4	10000	38.7201	94.7017	-795	PKC	2.2	-1	11.0	1	1.2	0	0.202	-1	2.514	-1	10.028	0	2099	55	1.6
15343.3	10000	38.7201	94.7009	-795	PKC	2.1	-1	10.9	1	1.2	0	0.196	-1	2.430	-1	9.464	0	2124	49	1.5
15343.2	10000	38.7201	94.7001	-797	PKC	2.1	-1	10.8	1	1.2	0	0.194	-1	2.324	-1	9.294	0	2127	33	1.5
15343.1	10000	38.7201	94.6994	-797	PKC	2.1	-1	10.8	1	1.2	0	0.194	-1	2.289	-1	9.186	0	2125	43	1.5
15343.0	10000	38.7201	94.6986	-799	PKC	2.1	-1	10.8	1	1.2	0	0.194	-1	2.542	-1	9.394	0	2124	40	1.5
15342.9	10000	38.7201	94.6978	-800	PKC	2.1	-1	10.8	1	1.2	0	0.194	-1	2.595	-1	9.037	0	2129	48	1.5
15342.8	10000	38.7201	94.6971	-801	PLP	2.1	-1	10.8	1	1.2	0	0.194	-1	2.505	-1	9.730	0	2121	55	1.5
15342.7	10000	38.7201	94.6963	-802	PLP	2.1	-1	10.8	1	1.2	0	0.194	-1	2.550	-1	9.349	0	2120	55	1.5
15342.6	10000	38.7201	94.6956	-801	PLP	2.1	-1	10.8	1	1.2	0	0.194	-1	2.646	-1	9.849	0	2112	46	1.5
15342.5	10000	38.7201	94.6948	-803	PLP	2.1	-1	10.8	1	1.2	0	0.194	-1	2.741	-1	9.909	0	2111	43	1.5
15342.4	10000	38.7201	94.6940	-805	PLP	2.1	-1	10.6	1	1.2	0	0.198	0	2.969	0	9.115	0	2122	53	1.5

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15342.3	10000	38.7201	94.6933	-804	PLP	3.6	1	10.5	1	1.2	0	0.342	0	3.023	0	8.826	0	2122	61	1.5
15342.2	10000	38.7201	94.6925	-805	PLP	3.4	0	10.3	1	1.2	0	0.330	0	2.914	0	8.839	0	2118	53	1.5
15342.1	10000	38.7201	94.6918	-806	PLP	3.0	2	10.2	1	1.1	0	0.394	1	3.575	1	9.079	0	2120	41	1.5
15342.0	10000	38.7201	94.6910	-806	PLP	3.9	2	9.8	0	1.1	0	0.403	1	3.589	1	8.900	0	2104	51	1.5
15341.9	10000	38.7201	94.6902	-808	PLP	4.0	2	9.4	0	1.1	0	0.422	2	3.635	1	8.616	0	2083	51	1.5
15341.8	10000	38.7201	94.6895	-810	PLP	3.9	2	9.5	0	1.2	0	0.412	1	3.405	1	8.263	0	2074	42	1.5
15341.7	10000	38.7201	94.6887	-810	PLP	3.8	1	9.1	0	1.2	0	0.416	1	3.236	1	7.774	-1	2066	45	1.5
15341.6	10000	38.7201	94.6879	-811	PLP	3.6	1	9.7	0	1.1	0	0.372	1	3.127	0	8.401	0	2066	46	1.5
15341.5	10000	38.7201	94.6872	-812	PLP	3.6	1	9.8	0	1.2	0	0.371	1	3.155	0	8.500	0	2063	40	1.5
15341.4	10000	38.7201	94.6864	-813	PLP	3.3	0	9.8	0	1.1	0	0.333	0	2.860	0	8.577	0	2056	46	1.5
15341.3	10000	38.7201	94.6857	-814	PLP	3.5	1	10.4	1	1.1	0	0.338	0	3.264	1	9.644	1	2046	52	1.5
15341.2	10000	38.7200	94.6849	-814	PLP	3.3	0	10.4	1	1.0	-1	0.317	0	3.216	1	10.153	1	2053	38	1.5
15341.1	10000	38.7200	94.6842	-814	PLP	3.4	1	10.4	1	1.0	-1	0.331	0	3.370	1	10.174	1	2053	44	1.5
15341.0	10000	38.7200	94.6834	-816	PLP	3.4	0	10.6	1	1.0	-1	0.322	0	3.540	1	10.978	2	2041	36	1.5
15340.9	10000	38.7200	94.6827	-817	PLP	3.5	1	10.5	1	1.0	-1	0.335	0	3.707	1	11.055	2	2032	53	1.5
15340.8	10000	38.7200	94.6819	-818	PLP	3.6	1	10.3	1	1.0	-1	0.347	0	3.696	1	10.648	2	2009	45	1.5
15340.7	10000	38.7200	94.6812	-818	PLP	3.5	1	10.1	0	1.0	-1	0.341	0	3.403	1	9.983	1	1995	48	1.5
15340.6	10000	38.7200	94.6804	-819	PKC	3.2	0	9.4	0	1.1	0	0.337	0	2.920	0	8.659	0	1992	45	1.5
15340.5	10000	38.7199	94.6797	-821	PKC	3.5	0	9.1	0	1.1	0	0.390	0	3.220	0	8.264	0	1983	46	1.5
15340.4	10000	38.7199	94.6789	-822	PKC	3.5	0	9.1	0	1.1	0	0.380	0	3.186	0	8.382	0	1959	45	1.5
15340.3	10000	38.7199	94.6781	-822	PKC	3.4	0	8.9	0	1.1	0	0.385	0	3.123	0	8.109	0	1959	42	1.5
15340.2	10000	38.7199	94.6774	-822	PKC	3.5	0	8.6	-1	1.2	0	0.410	1	2.986	0	7.284	-1	1976	44	1.5
15340.1	10000	38.7199	94.6767	-822	PKC	3.5	0	8.8	0	1.2	0	0.393	0	2.907	0	7.389	-1	2014	49	1.5
15340.0	10000	38.7199	94.6759	-824	PKC	3.5	0	8.9	0	1.2	0	0.400	1	2.926	0	7.312	-1	2038	52	1.5
15339.9	10000	38.7198	94.6752	-825	PKC	3.5	0	9.3	0	1.3	1	0.378	0	2.814	0	7.451	-1	2068	52	1.5
15339.8	10000	38.7198	94.6744	-826	PKC	3.2	0	9.7	0	1.3	1	0.327	0	2.461	-1	7.536	-1	2082	51	1.5
15339.7	10000	38.7198	94.6736	-825	PKC	3.1	0	9.8	0	1.3	1	0.312	0	2.306	-1	7.401	-1	2122	44	1.5
15339.6	10000	38.7198	94.6729	-826	PKC	3.3	0	9.7	0	1.4	1	0.324	0	2.388	-1	7.378	-1	2158	61	1.5
15339.5	10000	38.7198	94.6721	-828	PKC	3.3	0	10.0	1	1.4	1	0.326	0	2.414	-1	7.406	-1	2156	55	1.5
15339.4	10000	38.7197	94.6714	-830	PKC	3.5	0	10.2	1	1.4	1	0.346	0	2.566	-1	7.422	-1	2152	48	1.5
15339.3	10000	38.7197	94.6707	-829	PKC	3.4	0	10.1	1	1.4	1	0.328	0	2.523	-1	7.698	-1	2143	48	1.5
15339.2	10000	38.7197	94.6699	-829	PKC	3.4	0	10.4	1	1.4	1	0.321	0	2.612	-1	8.130	0	2124	47	1.5
15339.1	10000	38.7197	94.6691	-829	PKC	3.7	1	10.7	1	1.4	1	0.356	0	2.764	-1	7.758	0	2136	43	1.5
15339.0	10000	38.7197	94.6684	-830	PKC	3.9	1	10.3	1	1.4	1	0.393	0	2.931	-1	7.450	-1	2132	35	1.5
15338.9	10000	38.7197	94.6676	-829	PKC	3.9	1	9.9	1	1.4	1	0.395	0	2.936	-1	7.428	-1	2132	51	1.5
15338.8	10000	38.7197	94.6669	-828	PKC	3.8	1	9.8	1	1.4	1	0.387	0	2.984	-1	7.710	0	2153	50	1.5
15338.7	10000	38.7196	94.6661	-828	PKC	3.5	1	9.7	1	1.4	1	0.363	0	2.756	-1	7.595	-1	2157	43	1.5
15338.6	10000	38.7196	94.6654	-829	PKC	3.7	1	9.8	1	1.4	1	0.366	0	2.746	-1	7.512	-1	2174	47	1.5
15338.5	10000	38.7196	94.6646	-828	PKC	3.6	1	10.0	1	1.4	1	0.376	0	2.669	-1	7.090	-1	2193	42	1.5
15338.4	10000	38.7196	94.6639	-828	PKC	3.4	1	10.2	1	1.4	1	0.339	0	2.460	-1	7.261	-1	2194	44	1.5
15338.3	10000	38.7196	94.6631	-827	PKC	3.4	1	10.3	1	1.4	1	0.333	0	2.487	-1	7.476	-1	2191	33	1.5
15338.2	10000	38.7195	94.6624	-826	PKC	3.2	1	10.4	1	1.4	1	0.308	0	2.291	-1	7.442	-1	2183	54	1.5
15338.1	10000	38.7195	94.6616	-825	PKC	3.2	1	10.2	1	1.4	1	0.307	0	2.242	-1	7.314	-1	2179	46	1.5
15338.0	10000	38.7195	94.6609	-825	PKC	3.2	1	9.9	1	1.4	1	0.311	0	2.232	-1	7.177	-1	2167	46	1.5
15337.9	10000	38.7195	94.6601	-824	PKC	3.2	1	9.9	1	1.4	1	0.324	0	2.311	-1	7.137	-1	2163	46	1.5
15337.8	10000	38.7195	94.6594	-822	PKC	3.2	1	9.7	1	1.4	1	0.323	0	2.332	-1	7.217	-1	2146	32	1.5
15337.7	10000	38.7195	94.6586	-821	PKC	3.4	1	9.8	1	1.4	1	0.350	0	2.528	-1	7.225	-1	2130	49	1.5
15337.6	10000	38.7194	94.6579	-820	PKC	3.4	1	9.5	1	1.4	1	0.345	0	2.577	-1	7.459	-1	2122	55	1.5
15337.5	10000	38.7194	94.6571	-819	PKC	3.7	1	9.5	1	1.4	1	0.395	0	2.906	-1	7.347	-1	2107	47	1.5
15337.4	10000	38.7194	94.6564	-817	PKC	3.8	1	9.5	1	1.4	1	0.401	0	3.020	0	7.532	-1	2080	43	1.5
15337.3	10000	38.7194	94.6556	-815	PKC	3.9	1	9.6	1	1.4	1	0.385	0	3.183	0	7.277	0	2066	45	1.5
15337.2	10000	38.7194	94.6549	-814	PKC	3.6	1	9.8	1	1.2	1	0.372	0	3.137	0	8.434	0	2053	59	1.5

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15337.1	10000	38.7194	94.6541	-813	PKC	3.8	1	10.4	1	1.2	0	0.366	0	3.280	0	8.951	0	2053	40	1.5
15337.0	10000	38.7194	94.6534	-812	PKC	3.7	1	10.7	1	1.1	0	0.350	0	3.308	0	9.440	1	2055	41	1.5
15336.9	10000	38.7193	94.6526	-810	PKC	3.5	0	10.6	1	1.1	0	0.327	0	3.071	0	9.392	1	2053	52	1.5
15336.8	10000	38.7193	94.6519	-808	PLP	3.2	0	11.0	1	1.1	0	0.295	-1	2.829	0	9.589	1	2076	46	1.5
15336.7	10000	38.7193	94.6511	-805	PLP	3.3	0	10.8	1	1.1	0	0.303	-1	2.939	0	9.706	1	2087	55	1.5
15336.6	10000	38.7193	94.6504	-804	PLP	3.6	1	10.7	1	1.1	0	0.333	0	3.232	0	9.700	1	2084	44	1.5
15336.5	10000	38.7193	94.6496	-803	PLP	3.7	1	11.2	2	1.1	0	0.326	0	3.392	1	10.395	1	2077	48	1.5
15336.4	10000	38.7192	94.6489	-801	PLP	3.9	2	10.7	1	1.1	-1	0.367	1	3.703	1	10.084	1	2075	46	1.5
15336.3	10000	38.7192	94.6481	-799	PLP	3.9	1	10.7	1	1.1	-1	0.363	0	3.643	1	10.043	1	2071	59	1.5
15336.2	10000	38.7192	94.6474	-796	PLP	4.2	2	10.7	1	1.0	-1	0.394	1	4.065	2	10.328	1	2078	41	1.5
15336.1	10000	38.7192	94.6466	-795	PLP	4.0	2	10.7	1	1.0	-1	0.370	1	3.821	2	10.328	1	2060	49	1.5
15336.0	10000	38.7192	94.6459	-794	PLP	3.9	1	10.9	1	1.1	0	0.358	0	3.535	1	9.880	1	2064	54	1.5
15335.9	10000	38.7192	94.6451	-793	PLP	3.7	1	10.8	1	1.1	0	0.345	0	3.321	1	9.617	1	2085	55	1.5
15335.8	10000	38.7191	94.6444	-789	PLP	3.8	1	10.7	1	1.2	0	0.357	0	3.223	1	9.037	0	2102	57	1.5
15335.7	10000	38.7191	94.6436	-787	PLP	3.4	0	10.7	1	1.2	0	0.322	0	2.864	0	8.887	0	2114	44	1.5
15335.6	10000	38.7191	94.6429	-786	PLP	3.6	1	10.3	1	1.3	1	0.345	0	2.840	0	8.225	0	2139	51	1.5
15335.5	10000	38.7191	94.6421	-784	PLP	3.4	0	10.0	0	1.3	1	0.342	0	2.587	0	7.573	-1	2159	51	1.5
15335.4	10000	38.7191	94.6414	-781	PLP	3.7	1	10.0	0	1.3	1	0.367	1	2.754	0	7.497	-1	2173	49	1.6
15335.3	10000	38.7191	94.6406	-778	PLP	3.6	1	10.2	1	1.3	1	0.351	0	2.760	0	7.861	0	2185	50	1.6
15335.2	10000	38.7190	94.6399	-776	PKC	3.8	1	10.1	1	1.3	1	0.375	0	2.875	0	7.674	-1	2191	45	1.6
15335.1	10000	38.7190	94.6391	-774	PKC	3.9	1	9.8	0	1.3	1	0.393	0	3.063	0	7.799	0	2189	49	1.6
15335.0	10000	38.7190	94.6384	-772	PKC	4.0	1	9.9	0	1.3	1	0.403	1	3.129	0	7.761	0	2195	47	1.6
15334.9	10000	38.7190	94.6376	-770	PKC	4.0	1	10.1	1	1.2	0	0.399	0	3.303	0	8.288	0	2175	59	1.6
15334.8	10000	38.7190	94.6369	-768	PKC	3.9	1	10.4	1	1.2	0	0.371	0	3.348	1	9.020	1	2176	56	1.6
15334.7	10000	38.7190	94.6361	-766	PKC	4.0	1	10.3	1	1.1	0	0.390	0	3.487	1	8.936	0	2175	55	1.6
15334.6	10000	38.7189	94.6354	-764	PKC	4.2	2	10.3	1	1.1	0	0.404	1	3.646	1	9.020	1	2169	40	1.6
15334.5	10000	38.7189	94.6346	-763	PKC	3.8	1	10.3	1	1.1	0	0.367	0	3.352	1	9.141	1	2169	53	1.6
15334.4	10000	38.7189	94.6339	-762	PKC	4.0	1	10.4	1	1.2	0	0.384	0	3.396	1	8.843	1	2178	39	1.6
15334.3	10000	38.7189	94.6331	-760	PKC	3.8	1	10.4	1	1.1	0	0.362	0	3.328	1	9.141	1	2172	39	1.6
15334.2	10000	38.7189	94.6324	-758	PKC	3.7	1	10.3	1	1.1	0	0.345	0	3.345	1	9.240	1	2169	57	1.6
15334.1	10000	38.7189	94.6316	-757	PKC	4.0	1	10.3	1	1.2	0	0.390	0	3.516	1	9.014	1	2157	57	1.6
15334.0	10000	38.7188	94.6309	-757	PKC	3.9	1	10.6	1	1.1	0	0.366	0	3.354	1	9.154	1	2140	35	1.6
15333.9	10000	38.7188	94.6301	-755	PKC	3.8	1	10.4	1	1.1	0	0.345	0	3.210	1	9.302	1	2126	50	1.6
15333.8	10000	38.7188	94.6294	-753	PKC	3.9	1	10.7	1	1.1	0	0.362	0	3.252	1	9.995	1	2114	46	1.6
15333.7	10000	38.7188	94.6286	-752	PKC	3.5	1	11.1	1	1.1	0	0.316	0	2.949	1	9.343	1	2114	50	1.6
15333.6	10000	38.7188	94.6279	-750	PKC	3.7	1	11.1	1	1.2	0	0.329	0	3.060	1	9.297	1	2127	39	1.6
15333.5	10000	38.7188	94.6271	-749	PKC	3.4	1	11.1	1	1.2	0	0.308	0	2.732	1	8.862	1	2142	53	1.6
15333.4	10000	38.7187	94.6264	-748	PKC	3.4	1	11.3	1	1.2	0	0.300	0	2.627	1	8.747	1	2145	53	1.6
15333.3	10000	38.7187	94.6256	-746	PKC	3.2	1	11.0	1	1.2	0	0.284	0	2.479	1	8.719	1	2151	54	1.6
15333.2	10000	38.7187	94.6249	-743	PKC	3.4	1	11.3	1	1.2	0	0.306	0	2.682	1	8.759	1	2162	48	1.6
15333.1	10000	38.7187	94.6241	-742	PKC	3.5	1	11.3	1	1.2	0	0.308	0	2.831	1	9.182	1	2175	42	1.6
15333.0	10000	38.7187	94.6234	-741	PKC	3.4	1	11.2	1	1.2	0	0.310	0	2.828	1	9.116	1	2156	46	1.6
15332.9	10000	38.7187	94.6226	-740	PKC	3.5	1	11.2	1	1.2	0	0.296	0	2.695	1	9.098	1	2124	49	1.6
15332.8	10000	38.7186	94.6219	-737	PKC	3.4	1	10.7	1	1.2	0	0.315	0	2.945	1	9.356	1	2110	47	1.6
15332.7	10000	38.7186	94.6211	-736	PKC	3.4	1	10.4	1	1.1	0	0.319	0	2.959	1	9.267	1	2085	38	1.6
15332.6	10000	38.7186	94.6204	-734	PKC	3.4	1	10.0	1	1.1	0	0.320	0	3.040	1	9.490	1	2047	36	1.6
15332.5	10000	38.7186	94.6196	-733	PKC	3.2	1	9.8	0	1.0	0	0.321	0	2.977	1	9.271	1	2021	44	1.6
15332.4	10000	38.7186	94.6189	-730	PKC	3.2	1	9.7	0	1.0	0	0.339	0	3.196	1	9.423	1	1986	56	1.6
15332.3	10000	38.7186	94.6181	-727	PKC	3.2	1	9.5	0	1.0	0	0.340	0	3.193	1	9.394	1	1970	33	1.6
15332.2	10000	38.7185	94.6174	-725	PKC	3.2	1	9.7	0	1.0	0	0.371	0	3.462	1	9.333	1	1982	42	1.6
15332.1	10000	38.7185	94.6166	-724	PKC	3.5	1	10.1	0	1.0	0	0.373	0	3.510	1	9.405	1	1980	54	1.6
15332.0	10000	38.7185	94.6159	-722	PKC	3.5	1	10.1	0	1.0	0	0.348	0	3.470	1	9.985	1	1996	43	1.6

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15331.9	10000	38.7185	94.6151	-719	PKC	3.8	1	10.5	1	1.0	-1	0.364	0	3.679	1	10.113	1	2031	56	1.6
15331.8	10000	38.7185	94.6144	-717	PKC	3.7	1	10.7	1	1.1	0	0.344	0	3.370	1	9.787	1	2052	37	1.6
15331.7	10000	38.7184	94.6136	-714	PKC	3.7	1	10.5	1	1.2	0	0.355	0	3.229	1	9.089	1	2075	63	1.6
15331.6	10000	38.7184	94.6129	-713	PKC	3.8	1	10.6	1	1.2	0	0.358	0	3.193	0	8.917	0	2119	44	1.6
15331.5	10000	38.7184	94.6121	-710	PKC	3.6	1	10.8	1	1.2	1	0.330	0	2.891	0	8.764	0	2127	53	1.6
15331.4	10000	38.7184	94.6114	-709	PKC	3.4	0	10.3	1	1.2	1	0.333	0	2.755	0	8.286	0	2140	43	1.6
15331.3	10000	38.7184	94.6106	-707	PKC	3.5	0	10.4	1	1.3	1	0.338	0	2.789	0	8.258	0	2133	40	1.5
15331.2	10000	38.7184	94.6099	-704	PKC	3.4	0	10.5	1	1.3	1	0.323	0	2.647	0	8.182	0	2129	40	1.5
15331.1	10000	38.7183	94.6091	-702	PKC	3.5	0	10.4	1	1.2	1	0.331	0	2.769	0	8.375	0	2133	36	1.5
15331.0	10000	38.7183	94.6084	-700	PKC	3.1	0	11.2	1	1.3	1	0.275	-1	2.392	-1	8.707	0	2143	44	1.5
15330.9	10000	38.7183	94.6076	-698	PKC	3.0	-1	10.8	1	1.3	1	0.277	-1	2.355	-1	8.514	0	2122	48	1.5
15330.8	10000	38.7183	94.6069	-695	PKC	3.0	0	10.7	1	1.3	1	0.284	-1	2.413	-1	8.488	0	2104	37	1.5
15330.7	10000	38.7183	94.6061	-693	PKC	3.0	-1	11.2	1	1.2	0	0.269	-1	2.477	-1	9.204	1	2097	37	1.5
15330.6	10000	38.7183	94.6054	-691	PKC	3.2	0	10.9	1	1.2	0	0.297	-1	2.682	0	9.026	1	2097	48	1.5
15330.5	10000	38.7182	94.6046	-689	PKC	3.2	0	10.7	1	1.2	0	0.299	-1	2.705	0	9.034	1	2104	42	1.5
15330.4	10000	38.7182	94.6039	-687	PKC	3.1	0	10.6	1	1.2	0	0.289	-1	2.603	-1	9.017	1	2093	53	1.6
15330.3	10000	38.7182	94.6031	-685	PKC	3.2	0	10.4	1	1.1	0	0.305	-1	2.838	0	9.297	1	2087	59	1.6
15330.2	10000	38.7182	94.6024	-682	PKC	3.4	0	10.8	1	1.1	0	0.311	-1	3.086	0	9.928	1	2090	49	1.6
15330.1	10000	38.7182	94.6016	-679	PKC	3.4	0	11.0	1	1.1	0	0.314	-1	3.219	0	10.266	2	2110	43	1.6
15330.0	10000	38.7181	94.6008	-676	PKC	3.5	0	10.5	1	1.1	0	0.338	0	3.227	0	9.537	1	2110	46	1.6
15329.9	10000	38.7181	94.6001	-673	PKC	3.4	0	10.4	1	1.1	0	0.329	0	3.146	0	9.570	1	2135	49	1.6
15329.8	10000	38.7181	94.5993	-671	PKC	3.6	1	10.3	1	1.1	0	0.353	0	3.284	0	9.300	1	2157	46	1.6
15329.7	10000	38.7181	94.5986	-667	PKC	3.9	1	10.3	1	1.1	0	0.376	0	3.401	1	9.053	1	2162	46	1.6
15329.6	10000	38.7181	94.5979	-662	PKC	3.8	1	10.0	1	1.2	0	0.380	0	3.242	0	8.523	0	2150	56	1.6
15329.5	10000	38.7181	94.5971	-659	PKC	3.8	1	9.5	1	1.2	0	0.402	1	3.293	0	8.194	0	2134	46	1.6
15329.4	10000	38.7180	94.5963	-657	PKC	3.6	1	9.4	1	1.2	0	0.380	0	3.073	0	8.094	0	2117	49	1.6
15329.3	10000	38.7180	94.5956	-654	PKC	3.5	0	9.9	1	1.1	0	0.356	0	3.092	0	8.690	0	2111	48	1.6
15329.2	10000	38.7180	94.5948	-650	PKC	3.6	0	9.7	1	1.2	0	0.369	0	3.068	0	8.321	0	2070	54	1.6
15329.1	10000	38.7180	94.5941	-646	PKC	3.5	0	9.7	1	1.2	0	0.361	0	3.047	0	8.450	0	2034	56	1.6
15329.0	10000	38.7180	94.5934	-642	PKC	3.5	0	9.4	1	1.1	0	0.370	0	3.091	0	8.346	0	2030	59	1.6
15328.9	10000	38.7180	94.5926	-638	PKC	3.7	0	9.4	1	1.2	0	0.389	0	3.231	0	8.297	0	2031	43	1.6
15328.8	10000	38.7179	94.5918	-633	PKC	3.8	1	9.7	1	1.2	0	0.392	0	3.271	0	8.351	0	2039	46	1.6
15328.7	10000	38.7179	94.5911	-629	PKC	3.9	0	9.3	1	1.3	0	0.434	1	3.313	0	7.639	-1	2044	51	1.6
15328.6	10000	38.7179	94.5903	-624	PKC	3.7	0	9.0	1	1.4	0	0.436	1	3.032	0	6.951	-1	2055	45	1.6
15328.5	10000	38.7179	94.5896	-612	PKC	3.4	0	9.4	1	1.4	0	0.389	0	2.656	0	6.823	-1	2095	55	1.6
15328.4	10000	38.7179	94.5888	-580	PKC	3.1	0	9.6	1	1.4	0	0.360	0	2.447	0	6.801	-1	2145	57	1.6
15328.3	10000	38.7179	94.5881	-586	PKC	3.4	0	10.9	1	1.4	0	0.342	0	2.401	-1	7.013	-1	2180	50	1.6
15328.2	10000	38.7179	94.5873	-601	PKC	3.7	0	10.9	1	1.5	0	0.336	0	2.270	-1	6.750	-1	2218	37	1.6
15328.1	10000	38.7179	94.5865	-598	PKC	3.2	0	10.2	1	1.5	0	0.317	-1	2.172	-1	6.854	-1	2241	47	1.6
15328.0	10000	38.7179	94.5858	-593	PKC	3.3	1	10.0	1	1.4	0	0.282	-1	2.149	-1	7.617	-1	2250	71	1.6
15327.9	10000	38.7179	94.5850	-586	PKC	3.2	0	10.4	1	1.4	0	0.262	-1	2.144	-1	8.178	-1	2251	50	1.6
15327.8	10000	38.7179	94.5843	-580	PKC	3.1	-1	10.5	1	1.3	0	0.257	-1	2.209	-1	8.602	-1	2221	47	1.6
15327.7	10000	38.7179	94.5835	-573	PKC	3.0	-1	10.3	1	1.3	0	0.281	-1	2.429	-1	8.637	-1	2189	49	1.6
15327.6	10000	38.7179	94.5827	-568	PKC	3.0	-1	10.1	1	1.3	0	0.270	-1	2.333	-1	8.652	-1	2151	42	1.6
15327.5	10000	38.7179	94.5820	-562	PKC	3.0	-1	10.2	1	1.2	0	0.262	-1	2.435	-1	9.297	-1	2084	57	1.6
15327.4	10000	38.7179	94.5812	-556	PKC	2.9	-1	10.3	1	1.2	0	0.260	-1	2.360	-1	9.066	-1	2041	44	1.6
15327.3	10000	38.7179	94.5804	-550	PKC	2.8	-1	10.5	1	1.2	0	0.280	-1	2.480	-1	8.863	-1	2025	43	1.6
15327.2	10000	38.7179	94.5797	-543	PKC	2.9	-1	10.3	1	1.2	0	0.316	-1	2.758	-1	8.738	-1	2022	53	1.6
15327.1	10000	38.7180	94.5789	-538	PKC	2.9	-1	10.1	1	1.2	0	0.338	-1	2.940	-1	8.699	-1	2035	40	1.7
15327.0	10000	38.7180	94.5782	-532	PKC	3.0	-1	10.2	1	1.2	0	0.310	-1	2.736	-1	8.822	-1	2048	47	1.7
15326.9	10000	38.7180	94.5774	-527	PKC	3.2	-1	10.5	1	1.2	0	0.316	-1	2.830	-1	8.952	-1	2069	47	1.7
15326.8	10000	38.7180	94.5766	-521	PKC	3.5	0	10.7	1	1.2	0	0.326	-1	2.868	0	8.803	0	2117	46	1.7

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15326.7	10000	38.7180	94.5759	-516	PKC	3.6	0	10.7	1	1.2	0	0.335	0	2.957	0	8.829	0	2147	56	1.7
15326.6	10000	38.7180	94.5751	-510	PKC	3.6	0	10.5	1	1.2	0	0.347	0	3.071	0	8.848	0	2150	41	1.7
15326.5	10000	38.7180	94.5743	-505	PKC	3.5	1	9.8	1	1.2	0	0.358	0	2.989	0	8.344	0	2133	27	1.7
15326.4	10000	38.7180	94.5736	-501	PKC	3.5	0	9.7	1	1.1	0	0.363	0	3.123	0	8.611	0	2130	55	1.7
15326.3	10000	38.7180	94.5728	-496	PKC	3.5	0	9.7	1	1.1	0	0.363	0	3.295	0	9.071	1	2111	49	1.7
15326.2	10000	38.7180	94.5720	-491	PKC	3.7	1	9.3	1	1.1	0	0.395	0	3.466	1	8.777	0	2112	48	1.7
15326.1	10000	38.7180	94.5713	-485	PKC	3.8	1	9.3	1	1.1	0	0.407	1	3.584	1	8.815	0	2111	36	1.7
15326.0	10000	38.7180	94.5705	-479	PKC	3.6	1	9.7	1	1.1	0	0.368	0	3.329	1	9.057	1	2106	48	1.7
15325.9	10000	38.7180	94.5697	-474	PKC	3.4	0	9.7	0	1.1	0	0.355	0	3.005	1	8.466	0	2120	35	1.7
15325.8	10000	38.7180	94.5690	-470	PKC	3.4	0	10.4	1	1.1	0	0.331	0	3.055	0	9.234	1	2148	45	1.7
15325.7	10000	38.7180	94.5682	-465	PKC	3.5	0	10.5	1	1.2	0	0.337	0	3.038	0	9.024	1	2160	50	1.7
15325.6	10000	38.7180	94.5675	-460	PKC	3.6	0	10.1	1	1.2	0	0.353	0	3.018	0	8.561	0	2165	42	1.8
15325.5	10000	38.7181	94.5667	-454	PKC	3.5	0	10.3	1	1.2	0	0.337	0	2.964	0	8.796	0	2158	54	1.8
15325.4	10000	38.7181	94.5659	-448	PKC	3.3	0	10.3	1	1.2	0	0.320	-1	2.829	0	8.854	0	2161	36	1.8
15325.3	10000	38.7181	94.5652	-441	PKC	3.5	0	10.1	1	1.2	0	0.344	0	3.001	0	8.722	0	2172	40	1.8
15325.2	10000	38.7181	94.5644	-435	PKC	3.5	0	10.2	1	1.1	0	0.348	0	3.128	0	8.979	1	2161	48	1.8
15325.1	10000	38.7181	94.5636	-428	PKC	3.5	0	9.9	1	1.2	0	0.357	0	2.959	0	8.285	0	2146	40	1.8
15325.0	10000	38.7181	94.5629	-421	PKC	3.3	0	9.8	0	1.2	0	0.332	0	2.691	0	8.105	0	2119	39	1.8
15324.9	10000	38.7181	94.5621	-413	PKC	3.2	0	10.1	1	1.2	0	0.318	-1	2.646	0	8.314	0	2100	38	1.8
15324.8	10000	38.7181	94.5613	-405	PKC	3.2	0	10.1	1	1.2	0	0.318	-1	2.642	0	8.313	0	2085	41	1.8
15324.7	10000	38.7181	94.5606	-397	PKC	3.1	0	10.0	0	1.2	0	0.316	-1	2.590	-1	8.197	0	2080	44	1.8
15324.6	10000	38.7181	94.5598	-390	PKC	3.1	0	10.0	1	1.2	0	0.312	-1	2.683	0	8.602	0	2087	49	1.8
15324.5	10000	38.7181	94.5591	-383	PKC	3.4	0	10.4	1	1.2	0	0.324	0	2.885	0	8.896	0	2112	42	1.8
15324.4	10000	38.7181	94.5583	-375	PKC	3.3	0	11.0	1	1.1	0	0.303	-1	2.924	0	9.647	1	2124	35	1.8
15324.3	10000	38.7181	94.5575	-365	PKC	3.6	1	10.9	1	1.1	0	0.326	0	3.186	0	9.788	1	2143	52	1.8
15324.2	10000	38.7181	94.5568	-356	PKC	3.6	1	10.8	1	1.1	0	0.332	0	3.167	0	9.541	1	2158	48	1.8
15324.1	10000	38.7181	94.5560	-348	PKC	3.4	0	10.9	1	1.2	0	0.316	-1	2.907	0	9.187	1	2182	40	1.8
15324.0	10000	38.7182	94.5552	-339	PKC	3.7	1	10.9	1	1.2	0	0.341	0	3.027	0	8.879	1	2190	38	1.8
15323.9	10000	38.7181	94.5545	-331	PKC	3.8	1	10.9	1	1.3	0	0.358	0	2.915	0	8.130	0	2187	44	1.8
15323.8	10000	38.7182	94.5537	-321	PKC	3.6	1	10.8	1	1.3	0	0.353	0	2.808	0	7.952	0	2170	50	1.8
15323.7	10000	38.7182	94.5529	-311	PKC	3.6	1	10.9	1	1.3	0	0.377	0	2.828	0	7.508	-1	2170	58	1.9
15323.6	10000	38.7182	94.5522	-302	PKC	3.5	1	10.9	1	1.3	0	0.356	0	2.656	0	7.461	-1	2173	53	1.9
15323.5	10000	38.7182	94.5514	-292	PKC	3.6	1	10.9	1	1.3	0	0.373	0	2.647	0	7.092	-1	2193	54	1.9
15323.4	10000	38.7182	94.5506	-283	PKC	3.6	1	10.9	1	1.3	0	0.386	0	2.743	0	7.112	-1	2203	47	1.9
15323.3	10000	38.7182	94.5499	-274	PKC	3.4	1	10.8	1	1.3	0	0.354	0	2.666	0	7.537	-1	2218	47	1.9
15323.2	10000	38.7182	94.5491	-264	PKC	3.5	1	10.9	1	1.3	0	0.355	0	2.645	0	7.458	-1	2232	57	1.9
15323.1	10000	38.7182	94.5484	-253	PKC	3.1	1	10.8	1	1.3	0	0.320	-1	2.312	0	7.235	-1	2242	42	1.9
15323.0	10000	38.7182	94.5476	-243	PKC	3.2	1	10.8	1	1.3	0	0.338	0	2.337	0	6.918	-1	2236	32	1.9
15322.9	10000	38.7182	94.5468	-233	PKC	3.3	1	10.8	1	1.3	0	0.368	0	2.551	0	6.938	-1	2215	45	1.9
15322.8	10000	38.7182	94.5461	-224	PKC	3.4	1	10.8	1	1.3	0	0.377	0	2.654	0	7.031	-1	2200	37	1.9
15322.7	10000	38.7182	94.5453	-214	PKC	3.5	1	10.8	1	1.3	0	0.398	0	2.698	0	6.787	-1	2198	48	1.9
15322.6	10000	38.7182	94.5445	-204	PKC	3.6	1	10.8	1	1.3	0	0.409	0	2.689	0	6.568	-1	2192	42	1.9
15322.5	10000	38.7182	94.5438	-192	PKC	3.4	1	10.8	1	1.3	0	0.409	0	2.722	0	6.649	-1	2175	39	1.9
15322.4	10000	38.7182	94.5430	-181	PKC	3.9	1	10.8	1	1.3	0	0.470	0	2.135	0	6.676	-1	2156	57	1.9
15322.3	10000	38.7183	94.5423	-170	PKC	4.1	1	10.7	1	1.2	0	0.476	0	3.482	0	7.310	-1	2143	39	1.9
15322.2	10000	38.7183	94.5415	-160	PKC	3.9	1	10.7	1	1.2	0	0.485	0	3.271	0	6.739	-1	2152	51	1.9
15322.1	10000	38.7183	94.5407	-149	PKC	4.0	1	10.7	1	1.2	0	0.472	0	3.172	0	6.714	-1	2131	46	1.9
15322.0	10000	38.7183	94.5399	-139	PKC	3.9	1	10.7	1	1.2	0	0.484	0	3.431	0	7.087	-1	2087	46	1.9
15321.9	10000	38.7183	94.5392	-128	PKC	3.9	1	10.7	1	1.2	0	0.482	0	3.411	0	7.071	-1	2052	42	1.9
15321.8	10000	38.7183	94.5384	-117	PKC	3.8	1	10.7	1	1.2	0	0.482	0	3.543	0	7.346	-1	2035	55	1.9
15321.7	10000	38.7183	94.5377	-106	PKC	3.8	1	10.7	1	1.2	0	0.468	0	3.342	0	7.141	-1	2022	28	1.9
15321.6	10000	38.7183	94.5369	-94	PKC	3.4	0	10.7	1	1.1	0	0.446	0	3.019	0	6.764	-1	2014	38	1.9

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15321.5	10000	38.7183	94.5361	-85	PKC	3.8	1	8.0	-1	1.1	0	0.473	1	3.558	1	7.528	-1	1993	45	1.8
15321.4	10000	38.7183	94.5354	-75	PKC	3.9	1	8.0	-1	1.0	-1	0.488	2	3.802	1	7.788	0	1991	50	1.8
15321.3	10000	38.7183	94.5346	-65	PKC	4.0	1	8.0	-1	1.0	-1	0.497	2	3.893	1	7.839	0	1987	50	1.8
15321.2	10000	38.7183	94.5338	-54	PKC	4.0	1	7.8	-1	1.0	-1	0.517	2	4.041	2	7.823	0	1966	49	1.8
15321.1	10000	38.7183	94.5331	-43	PP	3.9	1	7.2	-2	1.0	-1	0.540	2	4.069	1	7.531	-1	1930	39	1.8
15321.0	10000	38.7183	94.5323	-35	PP	3.8	1	7.0	-2	0.9	-1	0.547	2	4.053	1	7.405	-1	1918	46	1.8
15320.9	10000	38.7183	94.5316	-25	PP	3.8	1	7.1	-2	1.0	-1	0.534	2	3.971	1	7.437	-1	1888	49	1.8
15320.8	10000	38.7183	94.5308	-15	PP	3.6	1	6.9	-2	1.0	-1	0.518	2	3.653	1	7.048	-1	1877	48	1.8
15320.7	10000	38.7183	94.5300	-6	PP	3.5	0	6.8	-2	0.9	-1	0.520	2	3.786	1	7.286	-1	1852	40	1.8
15320.6	10000	38.7183	94.5293	4	PP	3.4	0	6.7	-2	1.0	-1	0.503	1	3.523	1	7.008	-1	1837	54	1.8
15320.5	10000	38.7184	94.5285	14	PP	3.4	0	6.9	-2	1.0	-1	0.494	1	3.513	1	7.112	-1	1834	36	1.8
15320.4	10000	38.7184	94.5277	22	PP	3.2	0	7.2	-1	1.0	-1	0.439	1	3.224	0	7.348	-1	1847	39	1.8
15320.3	10000	38.7184	94.5270	30	PP	3.0	-1	7.4	-1	1.0	-1	0.409	1	3.107	0	7.592	-1	1860	42	1.8
15320.2	10000	38.7184	94.5262	37	PP	2.8	-1	7.5	-1	1.0	-1	0.424	1	3.186	0	7.505	-1	1874	55	1.8
15320.1	10000	38.7184	94.5254	43	PP	2.8	-1	7.5	-1	1.0	-1	0.379	1	2.885	0	7.610	-1	1869	46	1.8
15320.0	10000	38.7184	94.5247	50	PP	2.8	-1	7.6	-1	1.0	-1	0.370	1	2.780	0	7.510	-1	1879	33	1.8
15319.9	10000	38.7184	94.5239	56	PP	2.8	-1	7.8	-1	1.0	-1	0.362	1	2.779	0	7.669	0	1887	46	1.8
15319.8	10000	38.7184	94.5231	62	PP	2.7	-1	8.1	-1	1.0	0	0.338	1	2.613	-1	7.723	0	1900	46	1.7
15319.7	10000	38.7184	94.5224	66	PP	2.9	-1	8.4	-1	1.0	0	0.342	1	2.759	0	8.066	0	1902	49	1.7
15319.6	10000	38.7184	94.5216	71	PP	2.9	-1	8.4	-1	1.0	-1	0.350	1	2.869	0	8.189	0	1888	54	1.7
15319.5	10000	38.7184	94.5209	73	PKC	2.9	-1	8.5	-1	1.0	-1	0.336	1	2.855	0	8.486	0	1891	30	1.7
15319.4	10000	38.7184	94.5201	76	PKC	3.1	0	8.8	0	1.0	-1	0.359	1	3.088	0	8.606	0	1922	48	1.7
15319.3	10000	38.7184	94.5193	78	PKC	3.0	0	8.9	0	1.1	0	0.338	1	2.877	0	8.501	0	1948	47	1.7
15319.2	10000	38.7184	94.5186	79	PKC	3.4	0	9.0	0	1.1	0	0.379	1	3.169	0	8.362	0	1993	43	1.7
15319.1	10000	38.7184	94.5178	80	PKC	3.4	0	9.4	0	1.2	0	0.366	1	2.935	0	8.008	0	2040	44	1.7
15319.0	10000	38.7184	94.5170	80	PKC	3.6	1	9.6	0	1.3	1	0.378	1	2.878	0	7.612	-1	2102	49	1.7
15318.9	10000	38.7185	94.5163	80	PKC	3.7	1	9.7	0	1.3	1	0.383	1	2.800	0	7.311	-1	2146	54	1.7
15318.8	10000	38.7185	94.5155	80	PKC	3.8	1	10.1	1	1.4	2	0.373	2	2.661	0	7.140	-1	2200	51	1.7
15318.7	10000	38.7185	94.5147	79	PKC	3.6	1	10.4	1	1.5	2	0.341	2	2.312	-1	6.779	-1	2221	42	1.7
15318.6	10000	38.7185	94.5140	79	PKC	3.7	1	10.4	1	1.5	2	0.355	2	2.419	-1	6.812	-1	2251	46	1.7
15318.5	10000	38.7185	94.5132	77	PKC	3.5	1	10.7	1	1.5	2	0.327	2	2.310	-1	7.067	-1	2253	54	1.7
15318.4	10000	38.7185	94.5125	76	PKC	3.7	1	10.6	1	1.5	2	0.344	2	2.512	-1	7.307	-1	2252	66	1.7
15318.3	10000	38.7185	94.5117	73	PKC	3.6	1	10.3	1	1.4	2	0.347	2	2.459	-1	7.086	-1	2244	53	1.6
15318.2	10000	38.7185	94.5109	70	PKC	3.6	1	10.5	1	1.4	2	0.347	2	2.572	-1	7.418	-1	2240	39	1.6
15318.1	10000	38.7185	94.5102	68	PKC	3.8	1	10.1	1	1.4	1	0.376	2	2.738	0	7.287	-1	2229	54	1.6
15318.0	10000	38.7185	94.5094	65	PKC	3.9	1	10.1	1	1.3	1	0.386	1	2.895	0	7.493	-1	2241	46	1.6
15317.9	10000	38.7185	94.5086	62	PKC	3.9	1	9.9	0	1.4	1	0.397	1	2.865	0	7.211	-1	2233	62	1.6
15317.8	10000	38.7185	94.5079	59	PKC	3.7	1	10.0	1	1.4	1	0.369	1	2.731	0	7.394	-1	2223	52	1.6
15317.7	10000	38.7185	94.5071	56	PKC	3.8	1	9.6	0	1.3	1	0.393	1	2.904	0	7.386	-1	2204	41	1.6
15317.6	10000	38.7185	94.5063	52	PKC	3.6	0	9.4	0	1.3	1	0.380	1	2.743	0	7.219	-1	2188	53	1.6
15317.5	10000	38.7185	94.5056	48	PKC	3.4	0	9.0	0	1.3	1	0.381	1	2.548	-1	6.696	-1	2180	49	1.6
15317.4	10000	38.7185	94.5048	44	PKC	3.3	0	9.1	0	1.3	1	0.366	1	2.522	-1	6.898	-1	2167	54	1.6
15317.3	10000	38.7186	94.5040	39	PKC	3.4	0	8.7	-1	1.3	1	0.387	1	2.573	-1	6.650	-1	2150	39	1.6
15317.2	10000	38.7186	94.5033	35	PKC	3.1	0	8.6	-1	1.3	1	0.359	1	2.383	-1	6.644	-1	2140	45	1.6
15317.1	10000	38.7186	94.5025	32	PKC	3.1	0	8.6	-1	1.4	1	0.359	1	2.274	-1	6.340	-2	2143	46	1.6
15317.0	10000	38.7186	94.5018	28	PKC	2.8	-1	8.7	-1	1.4	1	0.326	0	2.046	-1	6.277	-2	2146	51	1.6
15316.9	10000	38.7186	94.5010	24	PKC	3.1	0	9.2	0	1.4	1	0.335	1	2.204	-1	6.574	-1	2156	37	1.6
15316.8	10000	38.7186	94.5002	19	PKC	2.9	-1	9.8	0	1.4	1	0.290	-1	2.080	-1	7.169	-1	2155	54	1.6
15316.7	10000	38.7186	94.4995	16	PKC	2.8	-1	10.0	0	1.4	1	0.285	-1	2.042	-1	7.159	-1	2161	52	1.6
15316.6	10000	38.7186	94.4987	14	PKC	2.8	-1	10.5	1	1.4	1	0.268	-1	2.020	-1	7.542	-1	2159	49	1.6
15316.5	10000	38.7186	94.4979	12	PKC	2.9	-1	10.9	1	1.4	1	0.264	-1	2.081	-1	7.872	0	2163	43	1.6
15316.4	10000	38.7186	94.4972	9	PKC	2.9	-1	11.0	1	1.3	1	0.267	-1	2.186	-1	8.195	0	2156	35	1.6

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15316.3	10000	38.7186	94.4964	7	PKC	3.0	-1	11.4	2	1.3	1	0.262	-1	2.218	-1	8.456	0	2148	43	1.6
15316.2	10000	38.7186	94.4957	6	PKC	2.8	-1	11.8	2	1.2	1	0.240	-2	2.269	-1	9.472	1	2123	40	1.6
15316.1	10000	38.7186	94.4949	4	PKC	3.2	0	11.6	2	1.2	0	0.273	-1	2.611	-1	9.571	1	2127	50	1.6
15316.0	10000	38.7186	94.4941	-1	PKC	3.2	0	11.5	2	1.2	0	0.282	-1	2.763	0	9.792	1	2127	40	1.6
15315.9	10000	38.7186	94.4933	-5	PKC	3.3	0	11.0	1	1.2	0	0.301	-1	2.831	0	9.411	1	2118	70	1.6
15315.8	10000	38.7186	94.4926	-7	PKC	3.4	0	10.6	1	1.1	0	0.320	-1	3.004	0	9.390	1	2106	48	1.6
15315.7	10000	38.7186	94.4918	-8	PKC	3.4	0	10.5	1	1.1	0	0.328	0	3.011	0	9.174	1	2105	37	1.6
15315.6	10000	38.7186	94.4911	-7	PKC	3.6	0	10.5	1	1.1	0	0.341	0	3.126	0	9.169	1	2104	49	1.6
15315.5	10000	38.7187	94.4903	-6	PKC	3.8	1	9.7	0	1.2	0	0.389	0	3.201	0	8.240	0	2107	44	1.6
15315.4	10000	38.7187	94.4895	-5	PKC	3.7	1	10.0	1	1.2	0	0.370	0	3.189	0	8.623	0	2099	42	1.6
15315.3	10000	38.7187	94.4888	-4	PKC	3.4	0	9.8	0	1.1	0	0.349	0	3.039	0	8.719	0	2082	33	1.6
15315.2	10000	38.7187	94.4880	-2	PKC	3.3	0	10.5	1	1.1	0	0.317	-1	3.035	0	9.574	1	2087	49	1.6
15315.1	10000	38.7187	94.4872	-1	PKC	3.6	0	10.3	1	1.1	0	0.344	0	3.204	0	9.310	1	2098	42	1.6
15315.0	10000	38.7187	94.4865	0	PKC	3.7	1	9.9	0	1.1	0	0.372	0	3.320	0	8.923	0	2087	47	1.6
15314.9	10000	38.7187	94.4857	1	PKC	3.8	1	9.6	0	1.1	0	0.391	0	3.465	1	8.860	0	2079	59	1.6
15314.8	10000	38.7187	94.4850	2	PKC	3.6	1	9.9	0	1.1	0	0.366	0	3.302	0	9.021	1	2084	61	1.6
15314.7	10000	38.7187	94.4842	3	PKC	3.5	0	9.5	0	1.1	0	0.369	0	3.101	0	8.402	0	2075	46	1.6
15314.6	10000	38.7187	94.4834	5	PKC	3.6	0	9.5	0	1.2	0	0.376	0	3.078	0	8.177	0	2073	38	1.6
15314.5	10000	38.7187	94.4827	7	PKC	3.8	1	9.3	0	1.2	0	0.407	1	3.218	0	7.905	0	2077	31	1.7
15314.4	10000	38.7187	94.4819	7	PKC	3.4	0	9.7	0	1.2	0	0.356	0	2.914	0	8.185	0	2059	50	1.7
15314.3	10000	38.7187	94.4811	9	PKC	3.5	0	9.9	0	1.2	0	0.351	0	2.933	0	8.353	0	2069	47	1.7
15314.2	10000	38.7187	94.4804	13	PKC	3.4	0	10.0	1	1.2	0	0.343	0	2.908	0	8.477	0	2069	45	1.7
15314.1	10000	38.7187	94.4796	19	PKC	3.4	0	9.3	0	1.1	0	0.370	0	3.064	0	8.286	0	2062	37	1.7
15314.0	10000	38.7187	94.4788	22	PKC	3.6	1	9.3	0	1.1	0	0.394	0	3.228	0	8.199	0	2059	51	1.7
15313.9	10000	38.7187	94.4781	24	PKC	3.7	1	9.5	0	1.1	0	0.393	0	3.426	1	8.710	0	2035	42	1.7
15313.8	10000	38.7188	94.4773	25	PKC	3.6	1	9.2	0	1.1	0	0.388	0	3.510	1	9.053	1	2006	60	1.7
15313.7	10000	38.7187	94.4765	27	PKC	3.6	1	9.4	0	1.1	0	0.387	0	3.655	1	9.437	1	1985	40	1.7
15313.6	10000	38.7188	94.4758	29	PKC	3.2	1	9.5	0	1.1	0	0.341	-1	3.379	1	9.898	1	1958	53	1.7
15313.5	10000	38.7188	94.4750	30	PKC	3.1	0	9.8	0	1.1	0	0.314	-1	3.165	1	10.079	1	1950	43	1.7
15313.4	10000	38.7188	94.4743	32	PKC	2.8	-1	10.5	1	1.1	0	0.268	-1	2.737	0	10.229	1	1945	43	1.7
15313.3	10000	38.7188	94.4735	33	PKC	2.6	-1	10.6	1	1.1	0	0.243	-1	2.524	-1	10.386	2	1932	53	1.7
15313.2	10000	38.7188	94.4727	33	PKC	2.6	-1	10.6	1	1.1	0	0.240	-2	2.281	-1	9.523	1	1955	36	1.8
15313.1	10000	38.7188	94.4720	34	PKC	2.5	-1	11.0	1	1.1	0	0.230	-2	2.217	-1	9.635	1	1972	64	1.8
15313.0	10000	38.7188	94.4712	34	PKC	2.3	-2	10.9	1	1.1	0	0.214	-2	1.985	-1	9.273	1	2009	43	1.8
15312.9	10000	38.7188	94.4704	34	PKC	2.6	-1	11.0	1	1.2	0	0.234	-2	2.143	-1	9.176	1	2036	44	1.8
15312.8	10000	38.7188	94.4697	32	PKC	2.6	-1	11.0	1	1.2	0	0.235	-2	2.122	-1	9.018	1	2052	52	1.8
15312.7	10000	38.7188	94.4689	31	PKC	2.8	-1	10.6	1	1.2	0	0.260	-1	2.327	-1	8.948	1	2058	51	1.8
15312.6	10000	38.7188	94.4681	32	PKC	2.9	-1	10.4	1	1.2	0	0.278	-1	2.446	-1	8.812	0	2076	62	1.8
15312.5	10000	38.7188	94.4674	31	PKC	2.8	-1	10.4	1	1.2	0	0.265	-1	2.413	-1	9.120	1	2067	48	1.8
15312.4	10000	38.7188	94.4666	31	PKC	2.6	-1	10.1	1	1.2	0	0.258	-1	2.241	-1	8.673	0	2027	35	1.8
15312.3	10000	38.7188	94.4659	30	CULTRL	2.8	999	9.3	999	1.1	999	0.304	999	2.518	999	8.288	999	1968	51	1.9
15312.2	10000	38.7188	94.4651	29	CULTRL	2.6	999	8.8	999	1.1	999	0.295	999	2.430	999	8.224	999	1902	58	1.9
15312.1	10000	38.7188	94.4643	26	CULTRL	2.6	999	8.1	999	1.0	999	0.319	999	2.461	999	7.726	999	1833	42	1.9
15312.0	10000	38.7188	94.4636	22	CULTRL	2.5	999	7.4	999	0.9	999	0.339	999	2.526	999	7.452	999	1756	45	1.9
15311.9	10000	38.7188	94.4628	23	CULTRL	2.5	999	7.5	999	0.9	999	0.334	999	2.700	999	8.094	999	1680	48	1.9
15311.8	10000	38.7188	94.4620	26	CULTRL	2.6	999	6.7	999	0.8	999	0.381	999	3.017	999	7.923	999	1602	51	1.9
15311.7	10000	38.7188	94.4613	17	CULTRL	2.5	999	6.3	999	0.8	999	0.398	999	3.074	999	7.719	999	1567	44	1.9
15311.6	10000	38.7188	94.4605	7	CULTRL	2.4	999	6.2	999	0.8	999	0.391	999	3.077	999	7.876	999	1552	42	1.9
15311.5	10000	38.7186	94.4597	-6	CULTRL	2.5	999	6.5	999	0.8	999	0.395	999	2.984	999	7.555	999	1558	52	1.9
15311.4	10000	38.7188	94.4590	-19	CULTRL	2.6	999	6.2	999	0.8	999	0.424	999	3.154	999	7.448	999	1579	44	2.0
15311.3	10000	38.7188	94.4582	-28	CULTRL	2.8	999	6.4	999	0.8	999	0.442	999	3.402	999	7.702	999	1599	36	2.0
15311.2	10000	38.7188	94.4574	-35	CULTRL	3.1	999	6.3	999	0.8	999	0.482	999	3.645	999	7.557	999	1629	41	2.0

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15311.1	10000	38.7188	94.4567	-40	CULTRL	3.3	999	7.0	999	0.8	999	0.478	999	3.996	999	8.368	999	1685	32	2.0
15311.0	10000	38.7188	94.4559	-48	CULTRL	3.4	999	7.3	999	0.8	999	0.466	999	4.148	999	8.906	999	1709	47	2.0
15310.9	10000	38.7188	94.4551	-56	CULTRL	3.3	999	7.9	999	0.9	999	0.422	999	3.855	999	9.126	999	1762	43	2.0
15310.8	10000	38.7188	94.4544	-68	CULTRL	3.3	999	8.0	999	0.9	999	0.416	999	3.633	999	8.725	999	1807	40	2.0
15310.7	10000	38.7188	94.4536	-77	CULTRL	3.2	999	8.7	999	0.9	999	0.370	999	3.392	999	9.164	999	1848	23	2.0
15310.6	10000	38.7188	94.4528	-83	CULTRL	3.2	999	9.0	999	1.0	999	0.358	999	3.277	999	9.157	999	1889	42	2.0
15310.5	10000	38.7188	94.4521	-90	PKC	3.2	0	9.1	0	1.0	-1	0.346	0	3.114	0	8.988	1	1913	56	2.0
15310.4	10000	38.7188	94.4513	-97	PKC	2.9	-1	8.9	0	1.1	0	0.320	-1	2.572	-1	8.042	0	1934	44	2.0
15310.3	10000	38.7188	94.4505	-103	PKC	2.9	-1	9.0	0	1.2	0	0.326	0	2.483	-1	7.618	-1	1979	45	2.0
15310.2	10000	38.7188	94.4498	-110	PKC	2.9	-1	8.8	0	1.1	0	0.327	0	2.538	-1	7.763	0	1986	33	2.1
15310.1	10000	38.7188	94.4490	-118	PKC	3.1	0	8.9	0	1.1	0	0.353	0	2.833	0	8.016	0	1996	51	2.1
15310.0	10000	38.7188	94.4482	-126	PKC	3.2	0	8.7	-1	1.1	0	0.374	0	2.882	0	7.702	-1	2008	39	2.1
15309.9	10000	38.7188	94.4475	-134	PKC	3.2	0	8.7	0	1.1	0	0.365	0	2.807	0	7.699	-1	2034	58	2.1
15309.8	10000	38.7188	94.4467	-140	PKC	3.2	0	8.7	-1	1.2	0	0.373	0	2.762	0	7.399	-1	2057	30	2.1
15309.7	10000	38.7188	94.4459	-147	PKC	3.4	0	8.8	0	1.1	0	0.381	0	3.027	0	7.939	0	2073	34	2.1
15309.6	10000	38.7188	94.4452	-154	PKC	3.4	0	8.6	-1	1.1	0	0.398	0	3.210	0	8.064	0	2065	38	2.1
15309.5	10000	38.7188	94.4444	-160	PKC	3.5	0	8.6	-1	1.1	0	0.413	1	3.103	0	7.521	-1	2062	42	2.1
15309.4	10000	38.7188	94.4436	-166	PKC	3.7	1	8.5	-1	1.1	0	0.438	1	3.297	0	7.523	-1	2067	43	2.1
15309.3	10000	38.7188	94.4429	-170	PP	3.6	1	8.5	0	1.1	0	0.424	1	3.323	0	7.829	0	2058	40	2.1
15309.2	10000	38.7188	94.4421	-176	PP	3.5	0	8.6	0	1.1	0	0.409	0	3.331	0	8.136	0	2054	39	2.1
15309.1	10000	38.7188	94.4413	-184	PP	3.3	0	9.2	0	1.0	0	0.354	0	3.129	0	8.838	0	2064	40	2.1
15309.0	10000	38.7188	94.4406	-191	PP	3.0	-1	9.8	1	1.1	0	0.309	-1	2.829	0	9.161	1	2065	55	2.1
15308.9	10000	38.7188	94.4398	-196	PP	3.2	0	9.8	1	1.1	0	0.329	0	2.952	0	8.958	1	2079	40	2.1
15308.8	10000	38.7188	94.4391	-201	PP	3.2	0	10.0	1	1.1	0	0.316	-1	3.013	0	9.547	1	2094	55	2.1
15308.7	10000	38.7188	94.4383	-206	PP	2.9	-1	10.1	1	1.1	-1	0.290	-1	2.831	0	9.757	1	2088	45	2.1
15308.6	10000	38.7188	94.4375	-211	PP	3.0	-1	10.0	1	1.1	-1	0.303	-1	2.989	0	9.865	1	2089	49	2.1
15308.5	10000	38.7188	94.4368	-217	PP	3.2	0	9.6	1	1.1	-1	0.332	0	3.076	0	9.267	1	2085	47	2.1
15308.4	10000	38.7188	94.4360	-222	PP	3.2	0	9.3	0	1.1	0	0.342	0	2.975	0	8.712	0	2086	38	2.1
15308.3	10000	38.7188	94.4352	-226	PP	3.5	0	9.7	0	1.1	0	0.403	0	3.314	0	8.221	0	2091	38	2.1
15308.2	10000	38.7188	94.4344	-230	PP	3.2	0	9.2	0	1.1	0	0.347	0	3.027	0	8.720	0	2091	45	2.1
15308.1	10000	38.7188	94.4337	-236	PP	3.2	0	9.3	0	1.1	0	0.363	0	3.125	0	8.612	0	2088	54	2.1
15308.0	10000	38.7188	94.4329	-241	PP	3.1	0	9.1	0	1.1	0	0.346	0	2.871	0	8.301	0	2097	55	2.1
15307.9	10000	38.7188	94.4322	-244	PP	3.0	0	9.1	0	1.1	0	0.339	0	2.789	0	7.925	0	2098	38	2.1
15307.8	10000	38.7188	94.4314	-248	PP	3.0	0	9.2	0	1.1	0	0.339	0	2.703	0	7.977	0	2108	59	2.1
15307.7	10000	38.7188	94.4306	-252	PP	3.1	0	9.4	0	1.1	0	0.342	0	2.654	-1	7.750	0	2101	44	2.1
15307.6	10000	38.7188	94.4299	-257	PP	3.2	0	9.3	0	1.1	0	0.357	0	2.572	-1	7.205	-1	2103	44	2.1
15307.5	10000	38.7188	94.4291	-260	PP	3.2	0	9.5	0	1.1	0	0.364	0	2.617	-1	7.181	-1	2105	50	2.1
15307.4	10000	38.7188	94.4283	-265	PP	3.2	0	9.5	0	1.1	0	0.401	1	2.699	-1	6.732	-1	2091	45	2.1
15307.3	10000	38.7188	94.4276	-270	PP	3.3	0	9.6	0	1.1	0	0.391	0	2.711	-1	6.940	-1	2074	48	2.1
15307.2	10000	38.7188	94.4268	-274	PP	3.2	0	9.5	0	1.1	0	0.375	0	2.588	-1	6.906	-1	2065	40	2.1
15307.1	10000	38.7188	94.4260	-280	PP	3.2	0	9.5	0	1.1	0	0.354	0	2.520	-1	7.111	-1	2031	48	2.1
15307.0	10000	38.7188	94.4253	-284	PP	3.2	0	9.5	0	1.1	0	0.381	0	2.788	0	7.311	-1	2016	45	2.1
15306.9	10000	38.7188	94.4245	-287	PP	3.1	0	9.4	0	1.1	0	0.349	0	2.566	-1	7.350	-1	1983	45	2.1
15306.8	10000	38.7188	94.4237	-291	PP	3.2	0	9.3	0	1.1	0	0.374	0	2.689	-1	7.195	-1	1971	44	2.1
15306.7	10000	38.7188	94.4230	-295	PP	3.0	0	9.5	0	1.1	0	0.311	-1	2.320	-1	7.465	-1	1963	42	2.0
15306.6	10000	38.7188	94.4222	-300	PKC	3.2	0	9.5	0	1.1	0	0.336	0	2.375	-1	7.078	-1	1978	49	2.0
15306.5	10000	38.7188	94.4214	-304	PKC	3.2	0	9.6	0	1.1	0	0.350	0	2.402	-1	6.855	-1	1998	46	2.0
15306.4	10000	38.7188	94.4207	-306	PKC	3.2	0	9.6	0	1.1	0	0.334	0	2.328	-1	6.960	-1	2039	61	2.0
15306.3	10000	38.7188	94.4199	-310	PKC	3.2	0	9.9	0	1.1	0	0.324	0	2.249	-1	6.948	-1	2073	55	2.0
15306.2	10000	38.7188	94.4191	-314	PKC	3.2	0	9.9	0	1.1	0	0.315	-1	2.286	-1	7.264	-1	2127	35	2.0
15306.1	10000	38.7188	94.4184	-318	PKC	3.2	0	9.9	0	1.1	0	0.305	-1	2.188	-1	7.163	-1	2166	47	2.0
15306.0	10000	38.7188	94.4176	-322	PKC	3.3	0	9.9	0	1.1	0	0.351	0	2.439	-1	6.940	-1	2211	56	2.0

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15305.9	10000	38.7188	94.4168	-326	PKC	3.4	0	9.9	0	1.4	1	0.346	0	2.523	-1	7.285	-1	2239	45	2.0
15305.8	10000	38.7188	94.4161	-330	PKC	3.4	0	10.6	1	1.4	1	0.318	-1	2.433	-1	7.640	-1	2264	50	2.0
15305.7	10000	38.7188	94.4153	-336	PKC	3.3	0	10.4	1	1.4	2	0.322	0	2.351	-1	7.301	-1	2266	42	2.0
15305.6	10000	38.7187	94.4145	-341	PKC	3.1	0	10.6	1	1.4	2	0.295	-1	2.153	-1	7.303	-1	2262	50	2.0
15305.5	10000	38.7187	94.4138	-346	PKC	3.0	0	10.6	1	1.5	2	0.287	-1	2.035	-1	7.084	-1	2256	46	2.0
15305.4	10000	38.7187	94.4130	-350	PKC	2.9	-1	10.8	1	1.5	2	0.267	-1	1.894	-2	7.088	-1	2257	49	1.9
15305.3	10000	38.7187	94.4122	-355	PKC	2.9	-1	11.0	1	1.5	2	0.266	-1	1.941	-1	7.309	-1	2257	46	1.9
15305.2	10000	38.7187	94.4115	-360	PKC	2.9	-1	10.7	1	1.5	2	0.270	-1	1.901	-2	7.046	-1	2248	39	1.9
15305.1	10000	38.7187	94.4107	-365	PP	2.9	-1	10.4	1	1.5	2	0.283	-1	1.937	-2	6.844	-1	2245	50	1.9
15305.0	10000	38.7187	94.4099	-369	PP	3.0	-1	10.3	1	1.5	2	0.295	-1	2.007	-1	6.812	-1	2248	42	1.9
15304.9	10000	38.7187	94.4092	-373	PP	3.1	0	10.0	1	1.5	2	0.311	-1	2.043	-1	6.569	-1	2248	53	1.9
15304.8	10000	38.7187	94.4084	-378	PP	3.3	0	9.7	1	1.5	2	0.340	0	2.263	-1	6.665	-1	2232	43	1.9
15304.7	10000	38.7187	94.4077	-384	PP	3.7	1	9.4	0	1.4	2	0.393	0	2.591	-1	6.591	-1	2220	41	1.9
15304.6	10000	38.7187	94.4069	-389	PP	3.4	0	9.9	1	1.4	2	0.342	0	2.368	-1	6.923	-1	2209	39	1.9
15304.5	10000	38.7187	94.4061	-394	PP	3.1	0	9.9	1	1.4	2	0.316	-1	2.209	-1	6.989	-1	2195	38	1.9
15304.4	10000	38.7187	94.4053	-398	PP	3.1	0	10.0	1	1.4	2	0.307	-1	2.195	-1	7.158	-1	2180	45	1.9
15304.3	10000	38.7187	94.4046	-401	PP	2.9	-1	10.1	1	1.4	1	0.290	-1	2.159	-1	7.434	-1	2178	49	1.9
15304.2	10000	38.7187	94.4038	-407	PP	2.9	-1	10.4	1	1.3	1	0.277	-1	2.185	-1	7.884	0	2172	57	1.9
15304.1	10000	38.7187	94.4030	-411	PP	3.0	-1	10.3	1	1.3	1	0.289	-1	2.292	-1	7.925	0	2174	64	1.8
15304.0	10000	38.7187	94.4023	-415	PP	2.5	-2	10.6	1	1.3	1	0.237	-1	1.978	-2	8.336	0	2156	49	1.8
15303.9	10000	38.7187	94.4015	-418	PP	2.3	-2	10.0	1	1.3	1	0.230	-2	1.778	-2	7.728	0	2146	51	1.8
15303.8	10000	38.7187	94.4008	-423	PP	2.7	-1	10.1	1	1.3	1	0.271	-1	2.151	-1	7.939	0	2144	51	1.8
15303.7	10000	38.7187	94.4000	-427	PP	2.9	-1	9.8	1	1.2	1	0.297	-1	2.334	-1	7.859	0	2133	50	1.8
15303.6	10000	38.7187	94.3992	-428	PP	3.2	0	9.6	0	1.2	1	0.336	0	2.689	-1	8.015	0	2122	47	1.8
15303.5	10000	38.7187	94.3985	-432	PP	3.7	0	9.2	0	1.2	1	0.398	0	3.166	0	7.948	0	2120	46	1.8
15303.4	10000	38.7187	94.3977	-438	PP	3.6	0	9.5	0	1.2	0	0.376	0	3.085	0	8.211	0	2113	45	1.8
15303.3	10000	38.7187	94.3969	-443	PP	3.8	1	9.2	0	1.1	0	0.420	0	3.399	0	8.093	0	2125	43	1.8
15303.2	10000	38.7187	94.3962	-446	PP	4.3	2	9.1	0	1.1	0	0.476	1	3.967	1	8.339	0	2136	43	1.8
15303.1	10000	38.7187	94.3954	-449	PKC	4.3	2	9.0	0	1.1	0	0.471	1	4.004	1	8.499	0	2155	70	1.8
15303.0	10000	38.7187	94.3946	-451	PKC	4.2	2	9.3	0	1.1	0	0.448	1	3.827	1	8.536	0	2175	41	1.7
15302.9	10000	38.7187	94.3939	-454	PKC	4.0	1	9.2	0	1.1	0	0.431	1	3.527	1	8.183	0	2181	46	1.7
15302.8	10000	38.7187	94.3931	-457	PKC	3.7	1	9.1	0	1.1	0	0.405	1	3.238	1	7.992	0	2176	64	1.7
15302.7	10000	38.7187	94.3923	-460	PKC	3.7	1	9.2	0	1.2	0	0.413	1	3.173	1	7.680	-1	2177	48	1.7
15302.6	10000	38.7187	94.3916	-463	PKC	3.7	1	9.1	0	1.2	0	0.420	1	3.080	1	7.326	-1	2171	44	1.7
15302.5	10000	38.7187	94.3908	-466	PKC	3.7	1	9.0	0	1.2	0	0.423	1	3.005	1	7.112	-1	2158	50	1.7
15302.4	10000	38.7187	94.3900	-469	PKC	3.4	1	8.8	0	1.2	0	0.387	1	2.778	1	7.182	-1	2124	46	1.7
15302.3	10000	38.7187	94.3893	-472	PKC	3.4	1	8.9	0	1.2	0	0.411	1	2.859	1	6.960	-1	2088	47	1.7
15302.2	10000	38.7187	94.3885	-475	PKC	3.3	1	8.7	0	1.2	0	0.395	1	2.829	1	7.160	-1	2072	47	1.7
15302.1	10000	38.7187	94.3877	-477	PKC	3.4	1	8.9	0	1.2	0	0.395	1	2.900	1	7.342	-1	2075	39	1.7
15302.0	10000	38.7187	94.3870	-480	PKC	3.6	1	8.8	0	1.2	0	0.425	1	3.199	1	7.524	-1	2055	53	1.7
15301.9	10000	38.7187	94.3862	-484	PKC	3.6	1	8.8	0	1.1	0	0.420	1	3.251	1	7.737	0	2047	53	1.7
15301.8	10000	38.7187	94.3854	-488	PKC	3.6	1	8.8	0	1.1	0	0.410	1	3.419	1	8.329	0	2051	60	1.7
15301.7	10000	38.7187	94.3847	-491	PKC	3.8	1	8.8	0	1.1	0	0.462	1	3.467	1	7.499	-1	2058	36	1.7
15301.6	10000	38.7187	94.3839	-493	PKC	3.9	1	8.8	0	1.2	0	0.455	1	3.412	1	7.501	-1	2090	46	1.7
15301.5	10000	38.7187	94.3831	-497	PKC	4.0	1	8.8	0	1.2	0	0.468	1	3.462	1	7.396	-1	2096	47	1.7
15301.4	10000	38.7187	94.3824	-501	PKC	3.9	1	8.8	0	1.2	0	0.457	1	3.268	1	7.159	-1	2097	58	1.7
15301.3	10000	38.7187	94.3816	-505	PKC	3.9	1	8.8	0	1.2	0	0.429	1	3.164	1	7.369	-1	2111	46	1.7
15301.2	10000	38.7187	94.3808	-508	PKC	3.9	1	8.8	0	1.2	0	0.432	1	3.190	1	7.392	-1	2109	52	1.7
15301.1	10000	38.7187	94.3801	-511	PKC	4.0	1	8.8	0	1.2	0	0.442	1	3.371	1	7.628	-1	2098	52	1.7
15301.0	10000	38.7187	94.3793	-515	PKC	3.7	1	8.8	0	1.2	0	0.387	1	3.166	1	8.176	0	2109	45	1.7
15300.9	10000	38.7187	94.3785	-519	PKC	3.3	1	8.8	0	1.1	0	0.383	1	3.501	1	9.143	1	2086	31	1.7
15300.8	10000	38.7187	94.3778	-521	PKC	3.8	1	9.8	0	1.1	0	0.390	0	3.448	1	8.845	0	2085	46	1.7

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15300.7	10000	38.7187	94.3770	-523	PKC	3.9	1	9.6	0	1.1	0	0.410	1	3.651	1	8.913	0	2076	56	1.7
15300.6	10000	38.7187	94.3763	-526	PKC	3.7	1	9.1	0	1.1	0	0.402	1	3.433	1	8.532	0	2083	49	1.7
15300.5	10000	38.7187	94.3755	-528	PKC	4.1	1	9.5	0	1.1	0	0.424	1	3.677	1	8.668	0	2096	59	1.7
15300.4	10000	38.7187	94.3747	-532	PKC	4.1	1	9.6	0	1.2	0	0.422	1	3.531	1	8.374	0	2115	57	1.7
15300.3	10000	38.7187	94.3739	-534	PKC	4.4	2	9.5	0	1.2	0	0.465	1	3.842	1	8.270	0	2120	45	1.7
15300.2	10000	38.7187	94.3732	-536	PKC	4.5	2	9.3	0	1.3	1	0.482	2	3.577	1	7.424	-1	2130	39	1.7
15300.1	10000	38.7186	94.3724	-538	PKC	4.5	2	9.1	0	1.3	1	0.492	2	3.561	1	7.240	-1	2123	47	1.7
15300.0	10000	38.7187	94.3716	-541	PKC	4.4	2	9.3	0	1.3	1	0.473	1	3.443	1	7.280	-1	2142	52	1.7
15299.9	10000	38.7187	94.3709	-544	PKC	4.2	2	9.6	0	1.3	1	0.443	1	3.365	1	7.605	-1	2135	41	1.7
15299.8	10000	38.7186	94.3701	-545	PKC	3.9	1	9.4	0	1.3	1	0.420	1	3.075	0	7.317	-1	2127	46	1.7
15299.7	10000	38.7186	94.3694	-547	PKC	3.6	1	9.2	0	1.3	1	0.393	0	2.798	0	7.125	-1	2113	42	1.7
15299.6	10000	38.7186	94.3686	-550	PKC	3.6	0	8.9	0	1.3	1	0.400	1	2.827	0	7.076	-1	2088	49	1.7
15299.5	10000	38.7186	94.3678	-553	PKC	3.3	0	8.9	0	1.2	0	0.368	0	2.726	0	7.404	-1	2076	44	1.7
15299.4	10000	38.7186	94.3671	-555	PKC	3.2	0	9.4	0	1.2	1	0.337	0	2.565	-1	7.608	-1	2096	47	1.7
15299.3	10000	38.7186	94.3663	-555	PKC	3.2	0	9.0	0	1.2	1	0.355	0	2.596	-1	7.307	-1	2076	40	1.7
15299.2	10000	38.7186	94.3656	-557	PKC	3.3	0	9.1	0	1.3	1	0.366	0	2.599	-1	7.102	-1	2069	43	1.7
15299.1	10000	38.7186	94.3648	-559	PKC	3.1	0	9.0	0	1.3	1	0.345	0	2.448	-1	7.098	-1	2070	45	1.7
15299.0	10000	38.7186	94.3641	-561	PKC	3.1	0	9.0	0	1.3	1	0.344	0	2.464	-1	7.167	-1	2060	40	1.7
15298.9	10000	38.7186	94.3633	-563	PKC	2.7	-1	9.2	0	1.3	1	0.293	-1	2.079	-1	7.090	-1	2077	52	1.7
15298.8	10000	38.7186	94.3626	-564	PKC	2.6	-1	9.3	0	1.3	1	0.283	-1	1.992	-1	7.047	-1	2079	38	1.7
15298.7	10000	38.7186	94.3619	-565	PKC	2.7	-1	9.2	0	1.3	1	0.291	-1	2.119	-1	7.285	-1	2057	47	1.7
15298.6	10000	38.7186	94.3611	-566	PKC	2.4	-2	9.9	0	1.2	1	0.246	-1	1.966	-1	8.008	0	2067	51	1.7
15298.5	10000	38.7186	94.3604	-567	PKC	2.5	-1	9.8	0	1.2	0	0.261	-1	2.102	-1	8.052	0	2073	38	1.7
15298.4	10000	38.7186	94.3596	-567	PKC	2.7	-1	9.7	0	1.2	0	0.277	-1	2.235	-1	8.055	0	2067	47	1.7
15298.3	10000	38.7186	94.3589	-567	PKC	2.9	-1	9.8	0	1.2	0	0.293	-1	2.386	-1	8.157	0	2055	49	1.7
15298.2	10000	38.7186	94.3582	-569	PKC	3.0	-1	9.8	0	1.2	0	0.307	-1	2.555	-1	8.326	0	2051	56	1.7
15298.1	10000	38.7186	94.3574	-570	PKC	3.2	0	9.9	0	1.2	0	0.322	0	2.661	0	8.263	0	2036	35	1.7
15298.0	10000	38.7186	94.3567	-571	PKC	3.2	0	9.7	0	1.2	0	0.329	0	2.747	0	8.339	0	2019	52	1.7
15297.9	10000	38.7185	94.3560	-571	PKC	3.2	0	9.2	0	1.2	0	0.350	0	2.804	0	8.018	0	1988	49	1.7
15297.8	10000	38.7185	94.3552	-572	PKC	3.3	0	9.1	0	1.2	0	0.358	0	2.858	0	7.976	0	1985	31	1.7
15297.7	10000	38.7185	94.3545	-573	PKC	3.2	0	9.3	0	1.2	0	0.344	0	2.815	0	8.182	0	1988	52	1.7
15297.6	10000	38.7185	94.3537	-574	PKC	3.1	0	9.2	0	1.2	0	0.341	0	2.865	0	8.394	0	2005	49	1.7
15297.5	10000	38.7185	94.3530	-575	PKC	3.1	0	9.2	0	1.2	0	0.339	0	2.893	0	8.521	0	2000	47	1.7
15297.4	10000	38.7185	94.3522	-575	PKC	3.1	0	9.2	0	1.2	0	0.343	0	2.916	0	8.511	0	2016	38	1.7
15297.3	10000	38.7185	94.3515	-576	PKC	3.1	0	9.2	0	1.2	0	0.341	0	2.771	0	8.118	0	2050	45	1.7
15297.2	10000	38.7185	94.3508	-577	PKC	3.1	0	9.4	0	1.2	0	0.330	0	2.656	0	8.054	0	2066	45	1.7
15297.1	10000	38.7185	94.3500	-578	PKC	2.6	-1	9.1	0	1.2	0	0.260	-1	2.144	-1	8.237	0	2068	46	1.7
15297.0	10000	38.7185	94.3493	-580	PKC	2.5	-1	10.0	0	1.2	0	0.247	-1	1.994	-1	8.058	0	2062	42	1.7
15296.9	10000	38.7185	94.3486	-579	PKC	2.4	-2	10.3	0	1.3	0	0.234	-2	1.906	-2	8.142	0	2068	46	1.7
15296.8	10000	38.7185	94.3478	-579	PKC	2.5	-2	10.5	0	1.3	0	0.233	-2	1.862	-2	7.989	0	2081	38	1.8
15296.7	10000	38.7185	94.3471	-581	PKC	2.3	-2	10.6	0	1.3	0	0.220	-2	1.731	-2	7.885	0	2087	50	1.8
15296.6	10000	38.7185	94.3463	-582	PKC	2.3	-2	10.7	0	1.4	0	0.215	-2	1.658	-2	7.697	-1	2094	46	1.8
15296.5	10000	38.7184	94.3456	-582	PKC	2.4	-1	10.2	0	1.4	0	0.233	-2	1.731	-2	7.431	-1	2111	43	1.8
15296.4	10000	38.7184	94.3449	-585	PKC	2.7	-1	10.3	0	1.4	0	0.263	-1	1.956	-1	7.445	-1	2127	33	1.8
15296.3	10000	38.7184	94.3441	-584	PKC	2.7	-1	10.1	0	1.4	0	0.260	-1	1.953	-1	7.509	-1	2134	42	1.8
15296.2	10000	38.7184	94.3434	-585	PKC	2.9	-1	9.9	0	1.4	0	0.282	-1	1.999	-1	7.087	-1	2134	46	1.8
15296.1	10000	38.7184	94.3427	-585	PKC	2.9	-1	10.1	0	1.4	0	0.294	-1	2.075	-1	7.063	-1	2128	36	1.8
15296.0	10000	38.7184	94.3419	-585	PKC	2.9	-1	10.1	0	1.3	0	0.292	-1	2.152	-1	7.366	-1	2119	56	1.8
15295.9	10000	38.7184	94.3412	-584	PKC	2.9	-1	10.4	0	1.3	0	0.283	-1	2.278	-1	8.055	0	2095	25	1.8
15295.8	10000	38.7184	94.3404	-585	PKC	2.8	-1	10.2	0	1.2	0	0.273	-1	2.378	-1	8.711	0	2071	55	1.8
15295.7	10000	38.7184	94.3397	-584	PKC	3.0	-1	10.1	0	1.2	0	0.299	-1	2.507	-1	8.394	0	2064	49	1.8
15295.6	10000	38.7184	94.3390	-584	PKC	3.3	0	9.8	0	1.2	0	0.334	0	2.839	0	8.494	0	2059	45	1.8

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
15295.5	10000	38.7184	94.3382	-584	PKC	3.1	0	9.7	0	1.1	0	0.323	0	2.733	0	8.470	0	2041	61	1.8
15295.4	10000	38.7184	94.3375	-583	PKC	3.1	0	9.8	0	1.1	0	0.313	-1	2.769	0	8.848	0	2031	44	1.8
15295.3	10000	38.7184	94.3367	-583	PKC	3.2	0	9.6	0	1.1	0	0.330	0	2.879	0	8.732	0	2034	34	1.8
15295.2	10000	38.7184	94.3360	-584	PKC	3.5	0	9.4	0	1.1	0	0.370	0	3.060	0	8.277	0	2038	32	1.8
15295.1	10000	38.7184	94.3353	-585	PKC	3.3	0	9.2	0	1.2	0	0.358	0	2.761	0	7.714	0	2050	41	1.8
15295.0	10000	38.7183	94.3345	-585	PKC	3.2	0	8.9	0	1.2	0	0.356	0	2.715	0	7.644	-1	2038	53	1.8
15294.9	10000	38.7183	94.3338	-585	PKC	3.0	-1	9.1	0	1.2	0	0.331	0	2.467	-1	7.456	-1	2040	49	1.8
15294.8	10000	38.7183	94.3331	-585	PKC	2.8	-1	9.2	0	1.2	1	0.303	-1	2.247	-1	7.411	-1	2043	41	1.8
15294.7	10000	38.7183	94.3323	-586	PKC	2.7	-1	9.0	0	1.3	1	0.297	-1	2.052	-1	6.906	-1	2037	35	1.8
15294.6	10000	38.7183	94.3316	-587	PKC	2.7	-1	9.0	0	1.3	1	0.296	-1	1.979	-1	6.694	-1	2035	49	1.8
15294.5	10000	38.7183	94.3308	-588	PKC	2.4	-2	9.2	0	1.3	1	0.261	-1	1.819	-2	6.981	-1	2032	60	1.8
15294.4	10000	38.7183	94.3301	-588	PKC	2.6	-1	9.5	0	1.3	1	0.269	-1	1.959	-1	7.279	-1	2040	54	1.8
15294.3	10000	38.7183	94.3294	-588	PKC	2.5	-1	9.4	0	1.3	1	0.262	-1	1.904	-2	7.276	-1	2046	53	1.8
15294.2	10000	38.7183	94.3286	-589	PKC	2.5	-1	9.2	0	1.3	1	0.270	-1	1.935	-2	7.165	-1	2067	49	1.8
15294.1	10000	38.7183	94.3279	-590	PKC	2.9	-1	9.2	0	1.3	1	0.317	-1	2.306	-1	7.282	-1	2087	42	1.8
15294.0	10000	38.7183	94.3271	-591	PKC	3.0	-1	9.7	0	1.3	1	0.311	-1	2.388	-1	7.683	-1	2110	62	1.8
15293.9	10000	38.7183	94.3264	-591	PKC	3.1	0	10.0	0	1.3	1	0.316	-1	2.512	-1	7.945	0	2121	43	1.8
15293.8	10000	38.7183	94.3257	-592	PKC	3.2	0	9.8	0	1.3	1	0.326	0	2.470	-1	7.573	-1	2142	49	1.8
15293.7	10000	38.7183	94.3249	-592	PKC	3.4	0	9.6	0	1.3	1	0.349	0	2.576	-1	7.380	-1	2148	42	1.8
15293.6	10000	38.7183	94.3242	-593	PKC	3.3	0	10.0	1	1.3	1	0.332	0	2.553	-1	7.694	-1	2174	46	1.8
15293.5	10000	38.7182	94.3235	-593	PKC	3.4	0	10.5	1	1.3	1	0.322	0	2.623	-1	8.158	0	2174	48	1.8
15293.4	10000	38.7182	94.3227	-593	PKC	3.2	0	10.8	1	1.3	1	0.295	-1	2.436	-1	8.268	0	2184	50	1.8
15293.3	10000	38.7182	94.3220	-593	PKC	3.2	0	10.3	1	1.3	1	0.311	-1	2.458	-1	7.908	0	2182	43	1.8
15293.2	10000	38.7182	94.3212	-593	PP	2.9	-1	10.3	1	1.3	1	0.284	-1	2.221	-1	7.829	0	2178	50	1.8
15293.1	10000	38.7182	94.3205	-592	PP	2.9	-1	10.2	1	1.3	1	0.290	-1	2.231	-1	7.698	0	2167	38	1.8
15293.0	10000	38.7182	94.3198	-592	PP	2.8	-1	9.8	1	1.3	1	0.282	-1	2.073	-1	7.359	-1	2167	54	1.8
15292.9	10000	38.7182	94.3190	-592	PP	2.8	-1	10.1	1	1.4	2	0.283	-1	2.034	-1	7.183	-1	2166	49	1.8
15292.8	10000	38.7182	94.3183	-593	PP	2.9	-1	9.6	0	1.4	2	0.299	-1	1.998	-2	6.691	-1	2165	57	1.8
15292.7	10000	38.7182	94.3176	-593	PP	2.9	-1	9.4	0	1.5	2	0.305	-1	1.947	-2	6.389	-1	2163	56	1.8
15292.6	10000	38.7182	94.3168	-593	PP	2.9	-1	9.4	0	1.5	2	0.303	-1	1.946	-2	6.418	-1	2169	51	1.8
15292.5	10000	38.7182	94.3161	-593	PP	3.0	0	9.3	0	1.5	2	0.332	-1	2.060	-1	6.204	-2	2175	34	1.8
15292.4	10000	38.7182	94.3153	-591	PP	3.2	0	9.6	0	1.5	2	0.346	0	2.154	-1	6.220	-2	2181	55	1.8
15292.3	10000	38.7182	94.3146	-591	PP	3.2	0	9.4	0	1.5	2	0.344	0	2.252	-1	6.542	-1	2191	54	1.8
15292.2	10000	38.7182	94.3139	-591	PP	3.2	0	9.4	0	1.4	2	0.343	0	2.294	-1	6.695	-1	2177	47	1.8
15292.1	10000	38.7181	94.3131	-590	PP	3.2	0	9.3	0	1.4	2	0.337	0	2.327	-1	6.914	-1	2156	55	1.8
15292.0	10000	38.7181	94.3124	-590	PP	3.2	0	9.4	0	1.3	2	0.366	0	2.671	-1	7.291	-1	2131	48	1.8
15291.9	10000	38.7181	94.3116	-589	PP	3.2	0	9.4	0	1.2	2	0.348	0	2.704	0	7.761	0	2115	50	1.8
15291.8	10000	38.7181	94.3109	-588	PP	3.2	0	9.4	0	1.2	2	0.354	0	2.912	0	8.232	0	2098	48	1.8
15291.7	10000	38.7181	94.3102	-587	PP	3.2	0	9.4	0	1.2	1	0.347	0	2.989	0	8.607	0	2092	54	1.8
15291.6	10000	38.7181	94.3094	-586	PP	3.2	0	9.4	0	1.1	1	0.343	0	2.949	0	8.592	0	2058	40	1.8
15291.5	10000	38.7181	94.3087	-585	PP	3.2	0	9.4	0	1.1	1	0.360	0	3.189	0	8.870	0	2056	38	1.8
15291.4	10000	38.7181	94.3080	-584	PP	3.2	0	9.4	0	1.1	1	0.388	0	3.520	0	9.067	0	2075	46	1.8
15291.3	10000	38.7181	94.3072	-583	PP	3.2	0	9.4	0	1.1	1	0.363	0	3.307	0	9.118	0	2091	50	1.7
15291.2	10000	38.7181	94.3065	-582	PP	3.2	0	9.4	0	1.1	1	0.402	0	3.538	0	8.792	0	2094	56	1.7
15291.1	10000	38.7181	94.3057	-582	PP	3.2	0	9.4	0	1.1	1	0.391	0	3.354	0	8.587	0	2108	48	1.7
15291.0	10000	38.7181	94.3050	-580	PP	3.2	0	9.4	0	1.1	1	0.392	0	3.331	0	8.495	0	2102	47	1.7
15290.9	10000	38.7181	94.3043	-579	PP	3.2	0	9.4	0	1.1	1	0.414	0	3.418	0	8.260	0	2118	44	1.7
15290.8	10000	38.7181	94.3035	-579	PP	3.2	0	9.4	0	1.1	2	0.419	0	3.345	0	7.986	0	2120	53	1.7
15290.7	10000	38.7180	94.3028	-579	PP	3.2	0	9.4	0	1.1	2	0.393	0	3.181	0	8.096	0	2099	45	1.7
15290.6	10000	38.7180	94.3020	-579	PP	3.2	0	9.4	0	1.1	2	0.407	0	3.130	0	7.695	0	2081	32	1.7
15290.5	10000	38.7180	94.3013	-579	PP	3.2	0	9.4	0	1.1	2	0.391	0	3.052	0	7.809	0	2076	40	1.7
15290.4	10000	38.7180	94.3006	-578	PP	3.6	0	9.3	0	1.1	2	0.394	0	3.272	0	8.308	0	2065	55	1.7

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15290.3	10000	38.7180	94.2998	-579	PP	3.5	0	9.5	0	1.1	0	0.370	0	3.156	0	8.525	0	2054	52	1.7
15290.2	10000	38.7180	94.2991	-579	PP	3.4	0	9.8	1	1.1	0	0.348	0	3.198	0	9.179	1	2041	62	1.7
15290.1	10000	38.7180	94.2984	-579	PP	3.5	0	9.9	1	1.0	-1	0.350	0	3.416	1	9.772	1	2017	45	1.7
15290.0	10000	38.7180	94.2976	-580	PP	3.5	0	9.6	0	1.0	-1	0.366	0	3.559	1	9.715	1	2000	32	1.7
15289.9	10000	38.7180	94.2969	-579	PP	3.4	0	9.5	0	1.0	-1	0.363	0	3.428	1	9.442	1	1986	56	1.7
15289.8	10000	38.7180	94.2961	-579	PP	3.4	0	9.3	0	1.0	-1	0.363	0	3.348	0	9.214	1	1973	42	1.7
15289.7	10000	38.7180	94.2954	-581	PP	3.2	0	9.1	0	1.0	-1	0.347	0	3.138	0	9.038	1	1967	37	1.7
15289.6	10000	38.7180	94.2947	-582	PP	3.0	-1	9.3	0	1.0	0	0.320	-1	2.872	0	8.961	1	1951	50	1.7
15289.5	10000	38.7180	94.2939	-584	PP	3.2	0	9.0	0	1.0	-1	0.353	0	3.077	0	8.725	0	1945	38	1.7
15289.4	10000	38.7180	94.2932	-585	PP	3.1	0	8.6	0	1.0	0	0.361	0	3.010	0	8.341	0	1939	41	1.7
15289.3	10000	38.7180	94.2924	-586	PP	3.0	-1	9.0	0	1.1	0	0.330	0	2.819	0	8.551	0	1955	41	1.7
15289.2	10000	38.7180	94.2917	-588	PP	3.0	-1	9.3	0	1.0	-1	0.325	-1	2.986	0	9.176	1	1963	50	1.6
15289.1	10000	38.7179	94.2910	-590	PP	3.2	0	9.3	0	1.0	-1	0.340	0	3.159	0	9.285	1	1973	48	1.6
15289.0	10000	38.7179	94.2902	-593	PP	3.2	0	9.0	0	1.0	0	0.355	0	3.055	0	8.612	0	1966	46	1.6
15288.9	10000	38.7179	94.2895	-597	PP	3.7	1	9.1	0	1.0	-1	0.410	0	3.657	1	8.926	0	1972	42	1.6
15288.8	10000	38.7179	94.2888	-599	PP	3.6	1	9.3	0	1.0	0	0.385	0	3.452	1	8.960	1	1987	56	1.6
15288.7	10000	38.7179	94.2880	-601	PP	3.6	1	9.5	0	1.0	-1	0.377	0	3.528	1	9.369	1	1996	39	1.6
15288.6	10000	38.7179	94.2873	-606	PP	3.7	1	9.5	0	1.0	0	0.387	0	3.525	1	9.100	1	1995	45	1.6
15288.5	10000	38.7179	94.2865	-610	PP	3.9	1	9.9	1	1.1	0	0.395	0	3.680	1	9.307	1	2003	54	1.6
15288.4	10000	38.7179	94.2858	-614	PP	3.9	1	10.6	1	1.0	0	0.371	0	3.793	1	10.227	1	1999	46	1.6
15288.3	10000	38.7179	94.2851	-618	PP	4.1	1	11.0	2	1.0	-1	0.371	0	3.982	1	10.742	2	2018	49	1.6
15288.2	10000	38.7179	94.2843	-624	PP	4.0	1	10.4	1	1.1	0	0.386	0	3.793	1	9.828	1	2035	41	1.6
15288.1	10000	38.7179	94.2836	-629	PP	4.3	2	10.1	1	1.0	0	0.425	1	4.110	2	9.678	1	2015	38	1.6
15288.0	10000	38.7179	94.2828	-635	PP	4.2	2	9.8	1	1.1	0	0.426	1	3.854	1	9.052	1	2011	40	1.6
15287.9	10000	38.7179	94.2821	-640	PP	4.2	2	9.5	0	1.0	0	0.435	1	3.994	1	9.178	1	1997	56	1.6
15287.8	10000	38.7178	94.2814	-645	PP	4.2	2	9.0	0	1.0	-1	0.464	1	4.167	2	8.982	1	1986	53	1.6
15287.7	10000	38.7178	94.2806	-651	PP	4.5	2	8.5	0	1.0	-1	0.535	2	4.567	2	8.539	0	1983	45	1.6
15287.6	10000	38.7178	94.2799	-657	PP	4.6	2	8.2	-1	0.9	-1	0.557	2	4.915	3	8.824	0	1957	40	1.6
15287.5	10000	38.7178	94.2791	-662	PP	4.7	3	8.3	-1	0.9	-1	0.565	2	5.211	3	9.221	1	1954	52	1.6
15287.4	10000	38.7178	94.2784	-667	PP	4.4	2	8.4	-1	0.9	-1	0.529	2	4.785	2	9.046	1	1961	57	1.6
15287.3	10000	38.7178	94.2777	-672	PP	4.5	2	8.6	-1	0.9	-1	0.517	2	5.027	3	9.733	1	1972	41	1.6
15287.2	10000	38.7178	94.2769	-677	PP	4.2	2	8.7	-1	0.9	-1	0.482	2	4.635	2	9.609	1	1988	40	1.6
15287.1	10000	38.7178	94.2762	-682	PP	3.9	2	8.9	-1	0.9	-1	0.440	1	4.198	2	9.534	1	1992	42	1.6
15287.0	10000	38.7178	94.2755	-686	PP	3.3	2	9.0	-1	0.9	-1	0.369	1	3.463	1	9.394	1	2003	41	1.5
15286.9	10000	38.7178	94.2747	-688	PP	3.4	2	9.1	-1	1.0	-1	0.373	1	3.160	1	9.481	1	2022	35	1.5
15286.8	10000	38.7178	94.2740	-691	PKC	3.2	2	9.0	-1	1.0	-1	0.353	1	2.927	1	9.298	1	2027	50	1.5
15286.7	10000	38.7178	94.2732	-694	PKC	3.2	2	9.0	-1	1.1	-1	0.357	1	2.895	1	9.100	1	2035	45	1.5
15286.6	10000	38.7178	94.2725	-696	PKC	3.3	2	9.0	-1	1.1	-1	0.363	1	2.787	1	8.675	0	2038	54	1.5
15286.5	10000	38.7178	94.2718	-698	PKC	3.4	2	9.0	-1	1.2	-1	0.380	1	2.982	1	8.841	1	2016	45	1.5
15286.4	10000	38.7178	94.2710	-699	PKC	3.5	2	9.0	-1	1.2	-1	0.397	1	3.086	1	8.771	1	2013	50	1.5
15286.3	10000	38.7177	94.2703	-700	PKC	3.6	2	9.0	-1	1.1	-1	0.416	1	3.151	1	8.578	1	2000	42	1.5
15286.2	10000	38.7177	94.2695	-702	PKC	3.5	2	9.0	-1	1.1	-1	0.384	1	3.213	1	8.361	1	1995	37	1.5
15286.1	10000	38.7177	94.2688	-704	PKC	3.3	2	9.0	-1	1.1	-1	0.350	1	3.049	1	8.702	1	2000	54	1.5
15286.0	10000	38.7177	94.2681	-704	PKC	3.2	2	9.0	-1	1.1	-1	0.332	1	3.138	1	9.444	1	1997	35	1.5
15285.9	10000	38.7177	94.2673	-704	PP	4.4	2	9.0	-1	1.1	-1	0.355	1	3.184	1	8.966	1	2013	52	1.5
15285.8	10000	38.7177	94.2666	-706	PP	4.5	2	9.0	-1	1.1	-1	0.377	1	3.145	1	8.336	1	2049	48	1.5
15285.7	10000	38.7177	94.2659	-707	PP	4.5	2	9.1	-1	1.1	-1	0.337	1	2.845	1	8.454	1	2073	56	1.5
15285.6	10000	38.7177	94.2651	-707	PP	4.5	2	9.3	-1	1.2	-1	0.343	1	2.906	1	8.462	1	2092	41	1.5
15285.5	10000	38.7177	94.2644	-708	PP	4.6	2	9.7	-1	1.2	-1	0.355	1	2.812	1	8.927	1	2094	50	1.5
15285.4	10000	38.7177	94.2636	-709	PP	4.6	2	9.7	-1	1.2	-1	0.364	1	2.933	1	8.061	1	2101	44	1.5
15285.3	10000	38.7177	94.2629	-709	PP	4.5	2	9.8	-1	1.2	-1	0.348	1	2.729	1	8.850	1	2116	43	1.5
15285.2	10000	38.7177	94.2622	-710	PP	5.3	3	9.9	-1	1.3	-1	0.335	0	2.618	-1	7.820	0	2104	61	1.5

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15285.1	10000	38.7177	94.2614	-711	PP	3.3	0	9.8	1	1.2	1	0.331	0	2.625	-1	7.919	0	2108	54	1.5
15285.0	10000	38.7177	94.2607	-712	PP	3.7	1	9.4	0	1.2	1	0.395	0	3.052	0	7.725	0	2107	41	1.5
15284.9	10000	38.7177	94.2599	-711	PP	3.7	1	9.0	0	1.2	0	0.413	0	3.098	0	7.499	-1	2110	45	1.5
15284.8	10000	38.7176	94.2592	-712	PP	3.8	1	9.0	0	1.2	0	0.427	1	3.227	0	7.553	-1	2119	52	1.5
15284.7	10000	38.7176	94.2585	-713	PP	4.0	1	8.5	0	1.2	0	0.466	1	3.424	1	7.348	-1	2112	46	1.5
15284.6	10000	38.7176	94.2577	-715	PP	4.1	2	8.4	-1	1.1	0	0.494	1	3.592	1	7.270	-1	2116	31	1.5
15284.5	10000	38.7176	94.2570	-717	PP	4.2	2	8.5	0	1.1	0	0.493	1	3.684	1	7.466	-1	2118	41	1.5
15284.4	10000	38.7176	94.2563	-716	PP	4.2	2	8.4	-1	1.1	0	0.501	1	3.736	1	7.461	-1	2111	40	1.5
15284.3	10000	38.7176	94.2555	-716	PP	3.7	1	8.6	0	1.2	0	0.430	1	3.165	0	7.356	-1	2106	47	1.5
15284.2	10000	38.7176	94.2548	-716	PP	3.5	0	9.1	0	1.2	1	0.380	0	2.881	0	7.582	-1	2097	59	1.5
15284.1	10000	38.7176	94.2540	-717	PP	3.2	0	9.3	0	1.2	0	0.341	0	2.722	0	7.991	0	2083	50	1.5
15284.0	10000	38.7176	94.2533	-718	PP	2.7	-1	9.4	0	1.2	1	0.289	-1	2.233	-1	7.729	0	2079	55	1.6
15283.9	10000	38.7176	94.2526	-718	PP	2.7	-1	9.7	1	1.2	0	0.273	-1	2.223	-1	8.129	0	2072	53	1.6
15283.8	10000	38.7176	94.2518	-718	PP	2.5	-2	9.8	1	1.2	0	0.256	-1	2.133	-1	8.329	0	2067	38	1.6
15283.7	10000	38.7176	94.2511	-717	PP	2.4	-2	10.4	1	1.2	0	0.233	-2	2.040	-1	8.741	0	2061	48	1.6
15283.6	10000	38.7176	94.2504	-718	PP	2.6	-1	10.3	1	1.2	0	0.254	-1	2.257	-1	8.895	0	2055	51	1.6
15283.5	10000	38.7175	94.2496	-718	PP	2.7	-1	10.1	1	1.1	0	0.266	-1	2.395	-1	9.003	1	2045	35	1.6
15283.4	10000	38.7175	94.2489	-718	PP	2.8	-1	10.6	1	1.2	0	0.269	-1	2.474	-1	9.201	1	2052	38	1.6
15283.3	10000	38.7175	94.2481	-717	PP	3.1	0	10.6	1	1.1	0	0.294	-1	2.842	0	9.658	1	2052	41	1.6
15283.2	10000	38.7175	94.2474	-715	PP	3.3	0	10.1	1	1.1	0	0.321	-1	2.959	0	9.219	1	2044	44	1.6
15283.1	10000	38.7175	94.2467	-715	PP	3.5	0	10.0	1	1.1	0	0.349	0	3.168	0	9.067	1	2034	47	1.6
15283.0	10000	38.7175	94.2459	-716	PP	3.4	0	9.7	0	1.1	0	0.351	0	3.131	0	8.927	0	2030	49	1.6
15282.9	10000	38.7175	94.2452	-716	PP	3.4	0	9.5	0	1.1	0	0.358	0	3.132	0	8.750	0	2027	57	1.6
15282.8	10000	38.7175	94.2444	-715	PP	3.6	1	9.9	1	1.1	0	0.364	0	3.291	0	9.049	1	2039	52	1.6
15282.7	10000	38.7175	94.2437	-714	PP	3.6	1	9.5	0	1.1	0	0.382	0	3.305	0	8.660	0	2030	51	1.6
15282.6	10000	38.7175	94.2429	-713	PP	3.6	0	9.7	1	1.1	0	0.368	0	3.291	0	8.954	1	2016	45	1.6
15282.5	10000	38.7175	94.2422	-713	PP	3.4	0	9.6	1	1.1	0	0.356	0	3.076	0	8.637	1	2000	38	1.6
15282.4	10000	38.7175	94.2414	-713	PP	3.2	0	9.2	0	1.2	0	0.350	0	2.948	0	8.429	1	1992	44	1.6
15282.3	10000	38.7175	94.2407	-712	PP	3.0	0	9.3	0	1.2	0	0.345	1	2.700	-1	7.828	0	1954	39	1.6
15282.2	10000	38.7175	94.2399	-712	PP	2.7	0	9.6	0	1.2	0	0.317	1	2.508	-1	7.917	0	1935	46	1.6
15282.1	10000	38.7175	94.2392	-711	PP	2.7	-1	9.8	0	1.2	0	0.308	1	2.272	-1	7.382	-1	1913	42	1.6
15282.0	10000	38.7175	94.2384	-710	PP	2.6	-1	9.8	0	1.2	0	0.317	1	2.194	-1	6.933	-1	1903	44	1.6
15281.9	10000	38.7175	94.2377	-710	PP	2.6	-1	9.8	0	1.2	0	0.316	1	2.028	-1	6.420	-1	1907	53	1.6
15281.8	10000	38.7175	94.2369	-710	PP	2.6	-1	9.8	0	1.2	0	0.301	1	2.023	-1	6.713	-1	1915	43	1.6
15281.7	10000	38.7175	94.2361	-709	PP	2.4	-1	9.8	0	1.2	0	0.292	1	1.898	-2	6.501	-1	1939	44	1.6
15281.6	10000	38.7175	94.2354	-708	PP	2.7	-1	9.8	0	1.2	0	0.315	1	2.113	-1	6.700	-1	1986	48	1.6
15281.5	10000	38.7175	94.2346	-706	PP	2.8	-1	9.8	0	1.2	0	0.333	1	2.160	-1	6.484	-1	2021	45	1.7
15281.4	10000	38.7175	94.2339	-705	PP	3.0	-1	9.8	0	1.2	0	0.343	1	2.262	-1	6.605	-1	2037	42	1.7
15281.3	10000	38.7175	94.2332	-705	PP	3.1	-1	9.8	0	1.2	0	0.342	1	2.321	-1	6.785	-1	2070	37	1.7
15281.2	10000	38.7175	94.2324	-705	PP	3.3	-1	9.8	0	1.2	0	0.318	1	2.213	-1	6.964	-1	2084	59	1.7
15281.1	10000	38.7175	94.2316	-703	PP	3.3	-1	9.8	0	1.2	0	0.342	1	2.271	-1	6.636	-1	2105	39	1.7
15281.0	10000	38.7175	94.2309	-702	PP	3.3	-1	9.8	0	1.2	0	0.337	1	2.431	-1	6.547	-1	2104	60	1.7
15280.9	10000	38.7175	94.2301	-702	PP	3.3	-1	9.8	0	1.2	0	0.337	1	2.487	-1	6.599	-1	2112	44	1.7
15280.8	10000	38.7175	94.2294	-701	PP	3.3	-1	9.8	0	1.2	0	0.337	1	2.634	-1	6.793	-1	2099	40	1.7
15280.7	10000	38.7175	94.2287	-702	PP	3.3	-1	9.8	0	1.2	0	0.337	1	2.697	-1	6.676	-1	2101	34	1.7
15280.6	10000	38.7175	94.2279	-702	PP	3.3	-1	9.8	0	1.2	0	0.337	1	2.967	-1	6.689	-1	2085	42	1.7
15280.5	10000	38.7175	94.2271	-701	PP	3.3	-1	9.8	0	1.2	0	0.337	1	2.429	0	6.814	-1	2072	50	1.7
15280.4	10000	38.7175	94.2264	-700	PP	3.3	-1	9.8	0	1.2	0	0.337	1	2.468	0	7.112	-1	2056	38	1.7
15280.3	10000	38.7175	94.2256	-700	PP	3.3	-1	9.8	0	1.2	0	0.337	1	2.658	0	7.639	-1	2053	48	1.7
15280.2	10000	38.7175	94.2249	-701	PP	3.3	-1	9.8	0	1.2	0	0.337	1	2.737	0	7.651	-1	2033	45	1.7
15280.1	10000	38.7175	94.2242	-701	PP	3.3	-1	9.8	0	1.2	0	0.337	1	2.803	0	8.102	-1	2033	42	1.7
15280.0	10000	38.7175	94.2234	-700	PP	3.3	-1	9.8	0	1.2	0	0.337	1	2.864	0	8.622	0	2043	52	1.7

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15279.9	10000	38.7175	94.2226	-700	PP	3.7	1	8.8	0	1.1	0	0.421	1	3.475	1	8.256	0	2051	58	1.7
15279.8	10000	38.7175	94.2219	-699	PP	3.5	0	9.3	0	1.1	0	0.378	0	3.121	0	8.258	0	2061	62	1.7
15279.7	10000	38.7175	94.2211	-698	PP	3.4	0	9.3	0	1.1	0	0.364	0	2.958	0	8.130	0	2069	55	1.7
15279.6	10000	38.7175	94.2204	-698	PP	3.1	0	9.3	0	1.1	0	0.332	0	2.773	0	8.342	0	2047	43	1.7
15279.5	10000	38.7175	94.2196	-698	PP	2.9	-1	9.9	1	1.1	0	0.297	-1	2.604	-1	8.780	0	2048	48	1.7
15279.4	10000	38.7175	94.2189	-696	PP	2.8	-1	10.3	1	1.1	0	0.272	-1	2.479	-1	9.117	1	2038	47	1.7
15279.3	10000	38.7175	94.2181	-694	PP	2.9	-1	10.3	1	1.1	0	0.286	-1	2.692	-1	9.412	1	2028	52	1.7
15279.2	10000	38.7175	94.2174	-691	PP	2.8	-1	10.4	1	1.0	0	0.272	-1	2.702	0	9.940	1	1997	48	1.7
15279.1	10000	38.7175	94.2166	-686	PP	2.9	-1	10.0	1	1.0	0	0.291	-1	2.815	0	9.685	1	1982	44	1.7
15279.0	10000	38.7175	94.2159	-681	PP	3.1	0	10.3	1	1.0	0	0.307	-1	3.045	0	9.930	1	1982	47	1.7
15278.9	10000	38.7175	94.2151	-678	PP	3.1	0	10.0	1	1.1	0	0.308	-1	2.921	0	9.475	1	2000	38	1.7
15278.8	10000	38.7175	94.2144	-675	PP	3.0	-1	10.0	1	1.0	0	0.302	-1	2.892	0	9.588	1	2006	35	1.7
15278.7	10000	38.7175	94.2136	-671	PP	3.0	-1	9.9	1	1.1	0	0.309	-1	2.844	0	9.205	1	2016	39	1.7
15278.6	10000	38.7175	94.2129	-670	PP	2.9	-1	9.7	1	1.1	0	0.300	-1	2.634	-1	8.773	0	2011	46	1.7
15278.5	10000	38.7175	94.2121	-669	PP	2.9	-1	10.0	1	1.1	0	0.288	-1	2.624	-1	9.105	1	2026	34	1.7
15278.4	10000	38.7174	94.2114	-667	PP	2.7	-1	10.0	1	1.1	0	0.272	-1	2.489	-1	9.151	1	2015	45	1.7
15278.3	10000	38.7174	94.2106	-664	PP	2.6	-1	9.7	1	1.1	0	0.268	-1	2.456	-1	9.149	1	1997	51	1.7
15278.2	10000	38.7175	94.2099	-661	PP	2.7	-1	9.9	1	1.1	0	0.272	-1	2.458	-1	9.049	1	2010	51	1.7
15278.1	10000	38.7174	94.2091	-659	PP	2.7	-1	9.7	1	1.1	0	0.282	-1	2.520	-1	8.950	1	1987	53	1.7
15278.0	10000	38.7174	94.2084	-657	PP	2.8	-1	9.6	0	1.1	0	0.289	-1	2.628	-1	9.078	1	1978	50	1.7
15277.9	10000	38.7174	94.2076	-655	PP	2.8	-1	9.7	1	1.1	0	0.284	-1	2.612	-1	9.186	1	1967	47	1.7
15277.8	10000	38.7174	94.2069	-653	PP	2.9	-1	9.7	1	1.0	0	0.295	-1	2.735	0	9.286	1	1971	47	1.7
15277.7	10000	38.7174	94.2061	-651	PP	3.2	0	9.7	1	1.0	-1	0.329	0	3.179	0	9.649	1	1980	48	1.7
15277.6	10000	38.7174	94.2054	-649	PP	3.4	0	10.0	1	1.0	-1	0.344	0	3.524	1	10.249	2	1981	59	1.7
15277.5	10000	38.7174	94.2046	-647	PP	3.5	0	10.2	1	1.0	-1	0.342	0	3.838	1	11.219	2	1959	45	1.7
15277.4	10000	38.7174	94.2039	-646	PP	3.6	0	10.1	1	1.0	-1	0.352	0	3.787	1	10.758	2	1973	54	1.7
15277.3	10000	38.7174	94.2031	-645	PP	3.6	1	10.0	1	1.0	-1	0.359	0	3.913	1	10.907	2	1973	42	1.7
15277.2	10000	38.7174	94.2024	-644	PP	3.7	1	9.6	0	1.0	-1	0.383	0	4.042	1	10.551	2	1971	41	1.7
15277.1	10000	38.7174	94.2016	-643	PP	3.7	1	9.5	0	1.0	-1	0.388	0	3.940	1	10.151	2	1965	47	1.7
15277.0	10000	38.7174	94.2009	-642	PP	3.3	1	9.5	0	1.0	-1	0.340	0	3.442	1	10.119	1	1964	48	1.7
15276.9	10000	38.7174	94.2001	-641	PM	3.1	0	9.8	0	1.0	-1	0.310	-1	3.153	1	10.163	1	1952	62	1.7
15276.8	10000	38.7174	94.1994	-641	PM	3.2	0	9.9	0	1.0	-1	0.322	-1	3.331	1	10.361	1	1947	46	1.7
15276.7	10000	38.7174	94.1986	-640	PM	3.2	0	9.7	0	1.0	-1	0.332	-1	3.439	1	10.364	1	1945	53	1.7
15276.6	10000	38.7174	94.1979	-640	PM	3.2	0	9.5	0	1.0	-1	0.334	-1	3.338	1	9.981	1	1928	44	1.7
15276.5	10000	38.7174	94.1971	-639	PM	3.1	0	9.5	0	1.0	-1	0.303	-1	3.060	1	10.086	1	1941	38	1.7
15276.4	10000	38.7174	94.1964	-638	PM	3.0	-1	9.8	0	1.0	-1	0.305	-1	3.055	1	10.011	1	1943	50	1.7
15276.3	10000	38.7174	94.1956	-639	PM	3.4	0	9.8	0	1.1	-1	0.346	-1	3.435	1	9.919	1	1948	54	1.7
15276.2	10000	38.7174	94.1949	-639	PM	3.4	0	9.9	0	1.1	-1	0.379	-1	3.523	1	9.287	1	1951	56	1.7
15276.1	10000	38.7174	94.1941	-638	PM	3.2	0	9.3	0	1.1	-1	0.344	-1	3.074	1	8.946	1	1951	38	1.7
15276.0	10000	38.7174	94.1934	-637	PM	3.0	-1	9.3	0	1.1	-1	0.320	-1	2.847	1	8.907	1	1948	39	1.7
15275.9	10000	38.7174	94.1926	-636	PM	3.1	0	9.4	0	1.1	-1	0.328	-1	2.968	1	9.050	1	1970	43	1.7
15275.8	10000	38.7174	94.1919	-637	PM	3.2	0	9.7	0	1.1	-1	0.352	-1	3.165	1	8.988	1	1951	44	1.7
15275.7	10000	38.7174	94.1911	-638	PM	3.2	0	9.7	0	1.1	-1	0.360	-1	3.199	1	8.889	1	1959	38	1.7
15275.6	10000	38.7174	94.1904	-640	PM	3.3	0	9.7	0	1.1	-1	0.333	-1	3.055	1	9.184	1	1963	44	1.7
15275.5	10000	38.7174	94.1896	-641	PM	3.3	0	9.9	0	1.1	-1	0.317	-1	3.004	1	9.463	1	1976	44	1.7
15275.4	10000	38.7174	94.1889	-641	PM	3.4	0	9.9	0	1.1	-1	0.337	-1	3.169	1	9.413	2	2002	44	1.7
15275.3	10000	38.7174	94.1881	-641	PM	3.5	0	9.9	0	1.1	-1	0.367	-1	3.497	1	9.540	2	2009	51	1.7
15275.2	10000	38.7174	94.1874	-641	PM	3.6	0	9.9	0	1.1	-1	0.370	-1	3.489	1	9.434	2	2006	53	1.7
15275.1	10000	38.7174	94.1866	-642	PM	3.6	1	9.9	0	1.1	-1	0.383	-1	3.653	1	9.541	2	2044	49	1.7
15275.0	10000	38.7174	94.1859	-643	PM	3.7	1	9.9	0	1.1	-1	0.402	-1	3.817	1	9.504	2	2042	32	1.7
15274.9	10000	38.7174	94.1851	-643	PM	3.9	1	9.9	0	1.1	-1	0.415	-1	3.769	1	9.083	2	2048	38	1.7
15274.8	10000	38.7174	94.1844	-643	PM	4.1	2	9.3	0	1.0	0	0.437	1	3.960	1	9.072	0	2053	49	1.7

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	CCS CPS	EUAIR PPM
15274.7	10000	38.7174	94.1836	-643	PM	4.0	1	8.9	0	1.0	0	0.454	2	3.871	1	8.517	0	2037	51	1.7
15274.6	10000	38.7174	94.1829	-643	PM	4.1	2	9.3	0	1.1	0	0.437	1	3.868	1	8.845	0	2043	46	1.7
15274.5	10000	38.7174	94.1821	-643	PM	4.0	1	9.1	0	1.0	0	0.442	1	3.857	1	8.729	0	2050	48	1.7
15274.4	10000	38.7174	94.1814	-643	PM	4.0	1	9.3	0	1.0	0	0.425	1	3.875	1	9.123	0	2031	45	1.7
15274.3	10000	38.7174	94.1806	-642	PM	3.6	1	9.5	0	1.0	0	0.377	0	3.422	0	9.078	0	2034	62	1.7
15274.2	10000	38.7174	94.1799	-639	PM	3.4	1	9.8	0	1.1	0	0.347	0	3.160	0	9.115	0	2030	36	1.7
15274.1	10000	38.7174	94.1791	-637	PM	3.1	0	9.8	0	1.1	0	0.319	-1	2.792	0	8.763	0	2018	47	1.8
15274.0	10000	38.7174	94.1784	-636	PM	3.1	0	9.9	0	1.1	0	0.315	-1	2.834	0	9.006	0	2019	49	1.8
15273.9	10000	38.7174	94.1776	-636	PM	3.1	0	9.4	0	1.1	0	0.326	0	2.783	-1	8.532	0	1998	42	1.7
15273.8	10000	38.7174	94.1769	-636	PM	3.1	0	9.9	0	1.1	0	0.314	-1	2.772	-1	8.816	0	1992	43	1.8
15273.7	10000	38.7174	94.1761	-634	PM	3.1	0	9.9	1	1.1	0	0.308	-1	2.806	0	9.121	0	2007	49	1.8
15273.6	10000	38.7174	94.1754	-629	PM	3.2	0	9.9	0	1.0	0	0.330	0	3.135	0	9.513	0	1992	49	1.8
15273.5	10000	38.7174	94.1746	-624	PM	3.3	0	9.5	0	1.0	0	0.342	0	3.199	0	9.344	0	1989	37	1.8
15273.4	10000	38.7174	94.1739	-622	PM	3.2	0	9.6	-1	1.0	0	0.338	0	3.235	0	9.562	1	2006	29	1.8
15273.3	10000	38.7174	94.1731	-621	PM	3.4	0	9.6	-1	1.0	0	0.357	0	3.482	1	9.754	1	2011	55	1.8
15273.2	10000	38.7174	94.1724	-619	PM	3.4	0	10.1	-1	1.0	0	0.333	0	3.408	0	10.227	1	2050	48	1.8
15273.1	10000	38.7174	94.1716	-616	PM	3.4	0	9.9	-1	1.0	0	0.345	0	3.417	0	9.898	1	2061	49	1.8
15273.0	10000	38.7174	94.1709	-612	PM	3.4	0	9.6	0	1.1	0	0.350	0	3.094	0	8.836	0	2057	48	1.8
15272.9	10000	38.7174	94.1701	-610	PM	3.2	0	9.6	0	1.1	0	0.331	0	2.804	0	8.461	0	2081	36	1.8
15272.8	10000	38.7174	94.1694	-609	PM	3.2	0	9.8	1	1.2	0	0.329	0	2.753	-1	8.379	0	2097	43	1.8
15272.7	10000	38.7174	94.1686	-607	PM	3.4	0	9.9	1	1.2	0	0.342	0	2.807	0	8.208	0	2105	53	1.8
15272.6	10000	38.7174	94.1679	-604	PM	3.2	0	10.0	1	1.2	0	0.322	-1	2.621	-1	8.133	-1	2129	46	1.8
15272.5	10000	38.7174	94.1671	-602	PM	3.5	0	9.6	1	1.2	0	0.360	-1	2.774	-1	7.715	-1	2123	57	1.8
15272.4	10000	38.7174	94.1664	-600	PM	3.3	0	9.9	1	1.3	0	0.336	-1	2.585	-1	7.703	-1	2123	38	1.8
15272.3	10000	38.7174	94.1656	-597	PM	3.2	0	10.0	2	1.3	-1	0.321	-1	2.451	-1	7.632	-1	2118	42	1.8
15272.2	10000	38.7174	94.1649	-594	PM	3.3	0	10.0	2	1.3	0	0.322	-1	2.422	-1	7.531	-1	2105	41	1.8
15272.1	10000	38.7174	94.1641	-590	PM	3.3	0	9.5	2	1.3	0	0.350	-1	2.530	-1	7.222	-1	2077	40	1.8
15272.0	10000	38.7174	94.1634	-587	PM	3.2	0	9.1	2	1.3	0	0.355	-1	2.472	-1	6.964	-1	2048	41	1.8
15271.9	10000	38.7173	94.1626	-583	PM	3.0	0	9.2	2	1.3	0	0.326	-1	2.275	-1	6.969	-1	2013	44	1.8
15271.8	10000	38.7173	94.1618	-579	PM	3.6	0	9.3	2	1.3	0	0.272	-2	1.908	-2	7.013	-1	2006	43	1.8
15271.7	10000	38.7174	94.1611	-575	PM	3.6	0	9.4	2	1.3	0	0.284	-2	1.994	-2	7.034	-1	2006	41	1.8
15271.6	10000	38.7173	94.1604	-570	PM	3.5	0	9.2	2	1.3	0	0.275	-2	1.979	-2	7.207	-1	2010	44	1.8
15271.5	10000	38.7173	94.1596	-566	PM	3.6	0	9.3	2	1.3	0	0.282	-2	2.063	-2	7.327	-1	2012	41	1.8
15271.4	10000	38.7173	94.1589	-563	PM	3.4	0	9.3	2	1.3	0	0.252	-2	1.998	-2	7.914	-1	2018	49	1.8
15271.3	10000	38.7173	94.1581	-559	PM	3.3	0	9.2	2	1.3	0	0.248	-2	1.921	-2	7.742	-1	2043	60	1.9
15271.2	10000	38.7173	94.1573	-555	PM	3.2	0	9.3	2	1.3	0	0.302	-1	2.151	-1	7.126	-1	2077	52	1.9
15271.1	10000	38.7173	94.1566	-552	PM	3.3	0	9.4	2	1.3	0	0.333	-1	2.355	-1	7.082	-1	2075	48	1.9
15271.0	10000	38.7173	94.1559	-547	PM	3.2	0	9.3	2	1.3	0	0.324	-1	2.254	-1	6.950	-1	2074	51	1.9
15270.9	10000	38.7173	94.1551	-543	PM	3.2	0	9.2	2	1.3	0	0.346	-1	2.310	-1	6.685	-2	2085	44	1.9
15270.8	10000	38.7173	94.1544	-539	PM	3.2	0	9.2	2	1.3	0	0.351	-1	2.266	-1	6.448	-2	2095	50	1.9
15270.7	10000	38.7173	94.1536	-535	PM	3.2	0	9.2	2	1.3	0	0.347	-1	2.144	-1	6.183	-2	2128	34	1.9
15270.6	10000	38.7173	94.1528	-532	PM	3.2	0	9.2	2	1.3	0	0.344	-1	2.148	-1	6.239	-2	2133	50	1.9
15270.5	10000	38.7173	94.1521	-529	PM	3.2	0	9.2	2	1.3	0	0.330	-2	2.116	-2	6.411	-2	2113	36	1.9
15270.4	10000	38.7173	94.1514	-526	PM	3.2	0	9.2	2	1.3	0	0.337	-2	2.109	-2	6.250	-2	2091	48	1.9
15270.3	10000	38.7173	94.1506	-523	PM	3.2	0	9.2	2	1.3	0	0.341	-2	2.100	-2	6.161	-2	2075	29	1.9
15270.2	10000	38.7173	94.1498	-520	PM	3.2	0	9.2	2	1.3	0	0.345	-2	2.234	-2	6.452	-2	2045	40	1.9
15270.1	10000	38.7173	94.1491	-518	PM	3.2	0	9.2	2	1.3	0	0.348	-2	2.120	-2	6.673	-2	2023	36	2.0
15270.0	10000	38.7173	94.1483	-516	PM	3.2	0	9.2	2	1.3	0	0.351	-2	2.172	-2	6.991	-1	1991	52	2.0
15269.9	10000	38.7173	94.1476	-515	PM	3.2	0	9.2	2	1.3	0	0.348	-2	2.181	-2	7.076	-1	1965	55	2.0
15269.8	10000	38.7173	94.1469	-513	PM	3.2	0	9.2	2	1.3	0	0.262	-2	1.857	-2	7.083	-1	1950	62	2.0
15269.7	10000	38.7173	94.1461	-512	PM	3.2	0	9.2	2	1.3	0	0.239	-2	1.722	-2	7.204	-1	1947	46	2.0
15269.6	10000	38.7173	94.1453	-511	PM	3.2	0	9.2	2	1.3	0	0.225	-2	1.685	-2	7.503	-1	1935	40	2.0

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
15269.5	10000	38.7173	94.1446	-511	PM	2.0	-2	9.2	0	1.2	1	0.218	-2	1.649	-2	7.571	-1	1923	45	2.0
15269.4	10000	38.7173	94.1438	-511	PM	2.1	-2	8.9	0	1.2	1	0.236	-2	1.809	-2	7.655	-1	1916	39	2.0
15269.3	10000	38.7173	94.1431	-513	PM	2.3	-2	8.5	-1	1.2	1	0.267	-1	1.934	-2	7.252	-1	1914	42	2.0
15269.2	10000	38.7173	94.1423	-514	PM	2.6	-1	8.6	-1	1.1	0	0.302	-1	2.308	-1	7.640	-1	1925	45	2.0
15269.1	10000	38.7173	94.1416	-515	PM	2.8	-1	8.4	-1	1.1	0	0.332	0	2.647	-1	7.982	-1	1937	36	2.0
15269.0	10000	38.7173	94.1408	-516	PM	2.9	-1	8.5	-1	1.1	0	0.340	0	2.643	-1	7.770	-1	1951	38	2.0
15268.9	10000	38.7173	94.1401	-518	PM	3.0	-1	8.1	-1	1.1	0	0.373	0	2.665	-1	7.152	-1	1970	33	2.0
15268.8	10000	38.7173	94.1393	-521	PM	3.1	0	8.3	-1	1.1	0	0.372	0	2.686	-1	7.216	-1	1995	46	2.0
15268.7	10000	38.7173	94.1386	-523	PM	3.0	-1	8.2	-1	1.2	1	0.368	0	2.569	-1	6.982	-1	1998	60	2.0
15268.6	10000	38.7173	94.1378	-527	PM	3.2	0	8.2	-1	1.2	1	0.394	1	2.707	-1	6.870	-1	2026	57	2.1
15268.5	10000	38.7173	94.1371	-530	PM	3.0	-1	8.4	-1	1.2	1	0.355	0	2.470	-1	6.963	-1	2035	59	2.1
15268.4	10000	38.7173	94.1363	-532	PM	3.0	0	8.8	-1	1.3	1	0.346	0	2.428	-1	7.027	-1	2062	37	2.1
15268.3	10000	38.7173	94.1356	-535	PM	2.9	-1	9.0	0	1.2	1	0.329	0	2.407	-1	7.317	-1	2084	44	2.1
15268.2	10000	38.7173	94.1348	-538	PM	3.1	0	9.1	0	1.2	1	0.339	0	2.567	-1	7.560	-1	2100	47	2.1
15268.1	10000	38.7173	94.1340	-542	PM	3.1	0	9.1	0	1.2	1	0.337	0	2.475	-1	7.356	-1	2109	47	2.1
15268.0	10000	38.7173	94.1332	-546	PM	3.5	0	9.3	0	1.2	1	0.374	0	2.807	0	7.513	-1	2153	45	2.1
15267.9	10000	38.7173	94.1325	-549	PM	3.2	0	9.3	0	1.2	1	0.342	0	2.580	-1	7.546	-1	2148	54	2.1
15267.8	10000	38.7173	94.1317	-551	PM	3.2	0	9.2	0	1.3	1	0.350	0	2.576	-1	7.351	-1	2166	42	2.1
15267.7	10000	38.7173	94.1309	-553	PM	3.2	0	9.5	0	1.2	1	0.338	0	2.645	-1	7.834	-1	2160	45	2.1
15267.6	10000	38.7173	94.1301	-556	PM	3.5	0	9.2	0	1.2	1	0.381	0	2.802	0	7.348	-1	2157	47	2.1
15267.5	10000	38.7173	94.1294	-559	PM	3.5	0	9.6	0	1.2	1	0.364	0	2.853	0	7.840	-1	2155	43	2.1
15267.4	10000	38.7173	94.1286	-562	PM	3.4	0	9.4	0	1.2	1	0.363	0	2.818	0	7.768	-1	2152	40	2.1
15267.3	10000	38.7173	94.1278	-563	PM	3.1	0	9.6	0	1.2	1	0.323	0	2.581	-1	7.999	-1	2132	46	2.1
15267.2	10000	38.7173	94.1271	-566	PM	3.2	0	9.9	0	1.1	0	0.327	0	2.875	0	8.785	0	2131	51	2.1
15267.1	10000	38.7173	94.1263	-568	PM	3.2	0	9.8	0	1.1	0	0.330	0	2.968	0	8.989	0	2120	38	2.1
15267.0	10000	38.7173	94.1255	-571	PM	3.3	0	9.6	0	1.2	0	0.348	0	2.890	0	8.312	0	2131	49	2.1
15266.9	10000	38.7173	94.1247	-573	PM	3.1	0	10.0	-1	1.1	0	0.316	-1	2.838	0	8.982	0	2139	47	2.1
15266.8	10000	38.7173	94.1240	-574	PM	3.1	0	9.6	0	1.1	0	0.325	0	2.725	-1	8.385	0	2147	54	2.1
15266.7	10000	38.7173	94.1232	-576	PM	3.2	0	10.0	-1	1.1	0	0.321	-1	2.964	0	9.229	0	2154	53	2.1
15266.6	10000	38.7173	94.1224	-577	PM	3.4	0	10.6	-1	1.1	0	0.318	-1	3.072	0	9.654	0	2169	48	2.1
15266.5	10000	38.7173	94.1216	-579	PM	3.4	0	10.7	-1	1.2	0	0.316	-1	2.915	0	9.215	0	2176	42	2.1
15266.4	10000	38.7173	94.1209	-580	PM	3.0	-1	11.0	-1	1.2	0	0.272	-1	2.543	-1	9.335	0	2166	52	2.1
15266.3	10000	38.7173	94.1201	-582	PM	2.9	-1	11.2	-1	1.1	0	0.261	-1	2.631	-1	10.094	1	2148	45	2.1
15266.2	10000	38.7173	94.1193	-583	PM	3.1	0	11.5	-1	1.1	0	0.269	-1	2.767	-1	10.289	1	2134	45	2.1
15266.1	10000	38.7173	94.1185	-583	PM	2.9	-1	12.0	-1	1.0	0	0.240	-2	2.759	-1	11.499	2	2126	59	2.1
15266.0	10000	38.7173	94.1178	-585	PM	2.6	-1	12.4	-1	1.0	0	0.214	-2	2.517	-1	11.772	2	2123	46	2.1
15265.9	10000	38.7173	94.1170	-587	PM	2.6	-1	12.3	-1	1.0	0	0.214	-2	2.494	-1	11.639	2	2112	53	2.1
15265.8	10000	38.7173	94.1162	-589	PM	2.7	-1	12.3	-1	1.0	0	0.216	-2	2.565	-1	11.897	2	2122	44	2.1
15265.7	10000	38.7172	94.1154	-591	PM	2.9	-1	12.6	-1	1.1	0	0.234	-2	2.840	0	12.151	2	2126	40	2.1
15265.6	10000	38.7172	94.1147	-592	PM	2.8	-1	12.0	-1	1.1	0	0.234	-2	2.636	-1	11.288	2	2124	42	2.1
15265.5	10000	38.7172	94.1139	-593	PM	2.7	-1	11.7	-1	1.1	0	0.235	-2	2.595	-1	11.064	2	2116	44	2.1
15265.4	10000	38.7172	94.1131	-594	PM	2.7	-1	11.7	-1	1.1	0	0.234	-2	2.473	-1	10.551	1	2125	29	2.1
15265.3	10000	38.7172	94.1124	-597	PM	2.9	-1	11.3	-1	1.1	0	0.262	-1	2.598	-1	9.919	1	2138	48	2.1
15265.2	10000	38.7172	94.1116	-600	PM	3.1	0	11.1	-1	1.1	0	0.277	-1	2.729	-1	9.844	1	2146	51	2.1
15265.1	10000	38.7172	94.1108	-603	PM	3.6	-1	11.1	-1	1.1	0	0.239	-2	2.337	-1	9.794	1	2128	33	2.1
15265.0	10000	38.7172	94.1100	-603	PM	3.5	-2	10.7	-1	1.2	0	0.230	-2	2.138	-2	9.282	1	2128	39	2.1
15264.9	10000	38.7172	94.1093	-606	PM	3.6	-1	11.0	-1	1.1	0	0.236	-2	2.286	-1	9.700	1	2122	53	2.1
15264.8	10000	38.7172	94.1085	-607	PM	3.7	-1	10.8	-1	1.1	0	0.237	-2	2.413	-1	10.188	1	2122	37	2.1
15264.7	10000	38.7172	94.1077	-611	PM	3.7	-1	10.5	-1	1.1	0	0.254	-2	2.582	-1	10.146	1	2080	47	2.1
15264.6	10000	38.7172	94.1069	-613	PM	3.6	-1	10.5	-1	1.1	0	0.243	-2	2.354	-1	9.673	1	2070	39	2.1
15264.5	10000	38.7172	94.1062	-616	PM	3.5	-2	10.1	-1	1.1	0	0.245	-2	2.302	-1	9.380	1	2063	38	2.1
15264.4	10000	38.7172	94.1054	-617	PM	2.9	-1	10.1	-1	1.1	0	0.292	-1	2.749	-1	9.400	0	2077	54	2.0

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15264.3	10000	38.7172	94.1046	-619	PM	3.2	0	10.0	1	1.0	0	0.321	-1	3.106	0	9.666	1	2075	49	2.0
15264.2	10000	38.7172	94.1038	-622	PM	3.0	-1	10.2	1	1.0	0	0.293	-1	2.895	0	9.865	1	2073	51	2.0
15264.1	10000	38.7172	94.1031	-624	PM	2.8	-1	10.0	1	1.0	0	0.277	-1	2.705	-1	9.756	1	2071	43	2.0
15264.0	10000	38.7172	94.1023	-627	PM	2.8	-1	10.2	1	1.0	0	0.277	-1	2.713	-1	9.798	1	2085	36	2.0
15263.9	10000	38.7172	94.1015	-629	PM	3.1	0	10.5	1	1.0	0	0.292	-1	3.026	0	10.346	1	2087	44	2.0
15263.8	10000	38.7172	94.1007	-629	PM	3.0	0	10.5	1	1.0	0	0.289	-1	2.968	0	10.276	1	2082	46	2.0
15263.7	10000	38.7172	94.1000	-631	PM	2.8	-1	10.3	1	1.0	0	0.276	-1	2.777	-1	10.050	1	2074	41	2.0
15263.6	10000	38.7172	94.0992	-634	PM	2.7	-1	10.1	1	1.0	0	0.268	-1	2.618	-1	9.787	1	2069	37	2.0
15263.5	10000	38.7172	94.0984	-637	PM	3.0	0	9.9	0	1.0	0	0.307	-1	3.003	0	9.793	1	2079	42	2.0
15263.4	10000	38.7172	94.0976	-640	PM	3.2	0	9.9	1	1.0	0	0.322	0	3.171	0	9.835	1	2080	42	2.0
15263.3	10000	38.7172	94.0969	-642	PM	3.4	0	9.8	0	1.0	0	0.347	0	3.291	0	9.479	0	2086	49	2.0
15263.2	10000	38.7172	94.0961	-644	PM	3.4	0	10.0	1	1.0	0	0.335	0	3.287	0	9.813	1	2075	52	1.9
15263.1	10000	38.7172	94.0953	-647	PM	3.2	0	10.2	1	1.0	0	0.311	-1	3.101	0	9.970	1	2087	55	1.9
15263.0	10000	38.7172	94.0946	-650	PM	3.1	0	10.4	1	1.1	0	0.294	-1	2.864	0	9.727	1	2090	58	1.9
15262.9	10000	38.7172	94.0938	-653	PM	3.2	0	10.5	1	1.1	0	0.305	-1	3.030	0	9.926	1	2089	45	1.9
15262.8	10000	38.7172	94.0930	-656	PM	3.4	0	10.7	1	1.1	0	0.317	-1	3.010	0	9.490	0	2101	48	1.9
15262.7	10000	38.7172	94.0922	-659	PM	3.5	0	10.6	1	1.2	1	0.332	0	3.025	0	9.111	0	2121	46	1.9
15262.6	10000	38.7172	94.0915	-661	PM	3.5	0	11.2	2	1.2	1	0.309	-1	2.982	0	9.665	1	2136	37	1.9
15262.5	10000	38.7172	94.0907	-664	PM	3.5	0	11.0	2	1.2	1	0.319	-1	2.860	0	8.966	0	2165	37	1.9
15262.4	10000	38.7172	94.0899	-667	PM	3.8	1	11.2	2	1.3	1	0.343	0	3.033	0	8.843	0	2176	46	1.9
15262.3	10000	38.7172	94.0891	-669	PM	4.2	2	11.1	2	1.3	1	0.374	0	3.385	0	9.043	0	2181	37	1.8
15262.2	10000	38.7172	94.0884	-671	PM	4.0	1	11.0	2	1.3	1	0.358	0	3.143	0	8.768	0	2194	37	1.8
15262.1	10000	38.7172	94.0876	-672	PM	3.8	1	10.5	1	1.2	1	0.366	0	3.064	0	8.368	0	2181	45	1.8
15262.0	10000	38.7172	94.0868	-672	PM	3.8	1	10.6	1	1.2	1	0.359	0	3.137	0	8.740	0	2177	53	1.8
15261.9	10000	38.7172	94.0860	-673	PM	3.5	0	10.7	1	1.2	1	0.333	0	2.840	0	8.535	0	2183	48	1.8
15261.8	10000	38.7172	94.0853	-675	PM	3.6	1	10.5	1	1.2	1	0.340	0	3.035	0	8.917	0	2157	51	1.8
15261.7	10000	38.7172	94.0845	-677	PM	3.4	0	10.3	1	1.1	0	0.328	0	3.069	0	9.363	0	2138	44	1.8
15261.6	10000	38.7172	94.0837	-677	PM	3.5	0	10.1	1	1.0	0	0.349	0	3.413	0	9.778	1	2132	50	1.8
15261.5	10000	38.7172	94.0829	-678	PM	3.6	1	10.2	1	1.0	0	0.350	0	3.447	1	9.839	1	2136	56	1.8
15261.4	10000	38.7172	94.0822	-678	PM	3.5	0	10.3	1	1.1	0	0.324	0	3.315	0	10.219	1	2144	43	1.8
15261.3	10000	38.7172	94.0814	-679	PM	3.4	0	9.8	1	1.1	0	0.330	0	3.153	0	9.539	1	2130	46	1.7
15261.2	10000	38.7172	94.0806	-680	PM	3.6	1	10.3	1	1.1	0	0.367	0	3.436	0	9.374	1	2119	48	1.7
15261.1	10000	38.7172	94.0798	-681	PM	3.6	1	10.2	1	1.1	0	0.352	0	3.364	0	9.559	1	2122	49	1.7
15261.0	10000	38.7172	94.0791	-681	PM	3.6	1	10.5	1	1.1	0	0.356	0	3.379	0	9.498	1	2112	40	1.7
15260.9	10000	38.7172	94.0783	-681	PM	3.6	1	10.5	1	1.1	0	0.343	0	3.199	0	9.331	1	2105	51	1.7
15260.8	10000	38.7172	94.0775	-681	PM	3.7	1	10.2	1	1.1	0	0.360	0	3.472	0	9.648	1	2080	50	1.7
15260.7	10000	38.7172	94.0768	-682	PM	3.7	1	10.3	1	1.1	0	0.372	0	3.696	0	9.942	1	2052	51	1.7
15260.6	10000	38.7172	94.0760	-683	PM	3.9	1	10.3	1	1.1	0	0.375	0	3.073	0	10.850	1	2029	53	1.7
15260.5	10000	38.7172	94.0752	-683	PM	3.9	1	10.4	1	1.1	0	0.392	0	3.072	0	10.400	1	2016	41	1.7
15260.4	10000	38.7172	94.0744	-683	PM	3.8	1	9.4	1	1.0	0	0.404	0	3.989	0	9.867	1	2013	47	1.6
15260.3	10000	38.7172	94.0737	-683	PM	3.8	1	9.3	1	1.0	0	0.406	0	3.850	0	9.475	1	2019	48	1.6
15260.2	10000	38.7172	94.0729	-683	PM	3.5	1	9.2	1	1.0	0	0.383	0	3.438	0	8.973	1	2033	47	1.6
15260.1	10000	38.7172	94.0721	-683	PM	3.6	1	9.6	1	1.0	0	0.380	0	3.506	0	9.235	1	2045	50	1.6
15260.0	10000	38.7172	94.0713	-684	PM	3.6	1	10.2	1	1.1	0	0.364	0	3.466	0	9.532	1	2063	41	1.6
15259.9	10000	38.7172	94.0706	-684	PM	3.4	1	10.2	1	1.1	0	0.325	0	3.042	0	9.363	1	2074	43	1.6
15259.8	10000	38.7172	94.0698	-683	PM	3.4	1	10.1	1	1.1	0	0.338	0	3.166	0	9.366	1	2089	38	1.6
15259.7	10000	38.7171	94.0690	-682	PM	3.7	1	10.2	1	1.1	0	0.361	0	3.429	0	9.500	1	2094	32	1.6
15259.6	10000	38.7171	94.0682	-680	PM	3.9	1	10.1	1	1.1	0	0.392	0	3.679	0	9.387	1	2083	52	1.6
15259.5	10000	38.7171	94.0675	-679	PM	4.0	1	10.2	1	1.1	0	0.392	0	3.878	0	9.904	1	2062	35	1.6
15259.4	10000	38.7171	94.0667	-679	PM	3.8	1	10.0	1	1.1	0	0.384	0	3.694	0	9.617	1	2060	44	1.6
15259.3	10000	38.7171	94.0659	-679	PM	4.0	1	9.9	1	1.1	0	0.400	0	3.721	0	9.304	1	2059	43	1.6
15259.2	10000	38.7171	94.0652	-678	PM	4.1	2	9.9	1	1.1	0	0.415	1	3.751	1	9.041	1	2084	43	1.6

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15259.1	10000	38.7171	94.0644	-675	PM	4.0	1	10.1	1	1.1	0	0.393	1	3.609	1	9.190	0	2075	36	1.5
15259.0	10000	38.7171	94.0636	-672	PM	3.9	1	10.3	1	1.1	0	0.377	0	3.502	1	9.282	0	2079	37	1.5
15258.9	10000	38.7171	94.0628	-669	PM	3.9	1	10.8	1	1.1	0	0.358	0	3.573	1	9.983	1	2101	44	1.5
15258.8	10000	38.7171	94.0621	-667	PM	3.8	1	10.7	1	1.1	0	0.359	0	3.502	1	9.751	1	2120	45	1.5
15258.7	10000	38.7171	94.0613	-664	PM	3.9	1	10.8	1	1.1	0	0.356	0	3.498	1	9.824	1	2125	52	1.5
15258.6	10000	38.7171	94.0605	-662	PM	4.0	1	10.6	1	1.1	0	0.378	0	3.791	1	10.025	1	2137	50	1.5
15258.5	10000	38.7171	94.0597	-658	PM	4.2	2	10.5	1	1.0	0	0.405	1	4.088	2	10.086	1	2130	49	1.5
15258.4	10000	38.7171	94.0590	-654	PM	4.3	2	10.5	1	1.1	0	0.409	1	4.080	2	9.984	1	2145	47	1.5
15258.3	10000	38.7171	94.0582	-651	PM	4.3	2	10.1	1	1.1	0	0.424	1	3.936	1	9.282	0	2125	59	1.5
15258.2	10000	38.7171	94.0574	-650	PM	3.9	1	9.5	1	1.2	1	0.408	1	3.308	0	8.109	-1	2118	39	1.5
15258.1	10000	38.7171	94.0566	-646	PM	4.0	1	9.6	1	1.2	1	0.420	1	3.412	0	8.133	-1	2127	48	1.5
15258.0	10000	38.7171	94.0559	-645	PM	4.1	2	9.1	1	1.2	1	0.446	1	3.425	0	7.675	-1	2133	39	1.5
15257.9	10000	38.7171	94.0551	-642	PM	3.7	1	8.7	-1	1.2	1	0.428	1	3.099	0	7.234	-1	2121	39	1.5
15257.8	10000	38.7171	94.0543	-639	PM	3.7	1	8.7	-1	1.2	1	0.430	1	3.112	0	7.234	-1	2119	53	1.5
15257.7	10000	38.7171	94.0535	-637	PM	3.5	1	8.6	-1	1.2	1	0.414	1	3.026	0	7.309	-1	2101	43	1.5
15257.6	10000	38.7171	94.0528	-636	PM	3.6	1	8.7	-1	1.2	1	0.416	1	3.143	0	7.550	-1	2111	43	1.5
15257.5	10000	38.7171	94.0520	-635	PM	4.1	2	9.1	0	1.1	1	0.456	2	3.634	1	7.965	-1	2104	62	1.5
15257.4	10000	38.7171	94.0512	-635	PM	4.0	1	9.1	0	1.1	1	0.441	1	3.646	1	8.268	0	2094	64	1.5
15257.3	10000	38.7171	94.0504	-634	PM	4.0	1	9.5	0	1.1	1	0.419	1	3.650	1	8.721	0	2096	58	1.5
15257.2	10000	38.7171	94.0497	-634	PM	4.0	1	9.8	0	1.1	1	0.414	1	3.716	1	8.981	0	2113	66	1.5
15257.1	10000	38.7171	94.0489	-632	PM	3.9	1	10.1	0	1.1	1	0.387	1	3.532	1	9.124	0	2132	48	1.5
15257.0	10000	38.7171	94.0481	-633	PM	4.2	2	10.2	1	1.1	1	0.412	1	3.859	1	9.375	0	2143	33	1.5
15256.9	10000	38.7171	94.0473	-634	PM	4.1	1	10.6	1	1.1	0	0.381	0	3.775	1	9.903	1	2136	45	1.5
15256.8	10000	38.7171	94.0466	-636	PM	3.8	1	10.3	1	1.0	0	0.369	0	3.700	1	10.014	1	2127	46	1.5
15256.7	10000	38.7171	94.0458	-638	PM	3.6	1	10.1	1	1.0	0	0.356	0	3.429	1	9.618	1	2102	48	1.5
15256.6	10000	38.7171	94.0450	-639	PM	3.5	1	9.8	1	1.1	0	0.357	0	3.187	1	8.924	0	2081	58	1.5
15256.5	10000	38.7171	94.0443	-641	PM	3.4	1	9.7	1	1.1	0	0.348	0	3.021	0	8.686	0	2049	46	1.5
15256.4	10000	38.7171	94.0435	-643	PM	3.3	1	9.6	1	1.1	0	0.338	0	2.965	0	8.760	0	2004	44	1.5
15256.3	10000	38.7171	94.0427	-646	PM	3.1	1	9.6	1	1.1	0	0.322	0	2.822	0	8.770	0	1996	47	1.5
15256.2	10000	38.7171	94.0419	-649	PM	3.3	1	9.9	1	1.2	1	0.345	1	2.832	0	8.210	0	2012	44	1.5
15256.1	10000	38.7171	94.0412	-651	PM	3.1	1	9.5	1	1.2	1	0.319	1	2.688	0	8.438	0	2023	41	1.5
15256.0	10000	38.7171	94.0404	-653	PM	3.3	1	9.9	1	1.2	1	0.335	1	2.716	0	8.113	-1	2030	55	1.5
15255.9	10000	38.7171	94.0396	-655	PM	3.4	1	9.8	1	1.2	1	0.335	1	2.895	0	8.631	0	2035	43	1.5
15255.8	10000	38.7171	94.0388	-658	PM	3.6	1	10.0	1	1.2	1	0.357	1	3.123	0	8.743	0	2043	60	1.5
15255.7	10000	38.7171	94.0381	-660	PM	3.7	1	10.0	1	1.2	1	0.375	1	3.242	0	8.643	0	2057	43	1.5
15255.6	10000	38.7171	94.0373	-663	PM	3.8	1	10.1	1	1.2	1	0.375	1	3.226	0	8.611	0	2066	50	1.5
15255.5	10000	38.7171	94.0365	-664	PM	3.6	1	10.0	1	1.2	1	0.361	1	3.287	0	9.099	0	2055	56	1.5
15255.4	10000	38.7171	94.0357	-666	PM	3.7	1	10.0	1	1.2	1	0.372	1	3.353	0	9.025	0	2037	29	1.5
15255.3	10000	38.7171	94.0350	-667	PM	3.6	1	10.0	1	1.2	1	0.358	1	3.398	0	9.497	0	2007	42	1.5
15255.2	10000	38.7171	94.0342	-669	PM	3.5	1	9.9	1	1.2	1	0.367	1	3.389	0	9.243	0	1958	43	1.5
15255.1	10000	38.7171	94.0334	-672	PM	3.3	1	9.4	1	1.1	1	0.355	1	3.349	0	9.446	0	1927	32	1.5
15255.0	10000	38.7171	94.0327	-674	PM	3.1	1	8.8	0	1.1	1	0.342	1	3.156	0	9.214	0	1920	50	1.5
15254.9	10000	38.7171	94.0319	-675	PM	3.2	1	8.8	0	1.1	1	0.369	1	3.251	0	8.817	0	1915	48	1.5
15254.8	10000	38.7171	94.0311	-676	PM	3.4	1	9.1	1	1.1	1	0.380	1	3.323	0	8.745	0	1914	40	1.5
15254.7	10000	38.7171	94.0304	-677	PM	3.5	1	9.7	1	1.1	1	0.375	1	3.285	0	8.759	0	1930	58	1.5
15254.6	10000	38.7171	94.0297	-679	PM	3.6	1	9.8	1	1.1	1	0.398	1	3.557	0	8.426	0	1969	53	1.5
15254.5	10000	38.7171	94.0289	-680	PM	3.5	1	9.6	1	1.1	1	0.385	1	3.429	0	8.917	0	2019	40	1.5
15254.4	10000	38.7172	94.0282	-682	PM	3.7	1	9.9	1	1.1	1	0.382	1	3.297	0	8.626	0	2038	57	1.5
15254.3	10000	38.7172	94.0274	-683	PM	3.6	1	9.9	1	1.1	1	0.426	1	3.344	0	8.851	-1	2023	68	1.5
15254.2	10000	38.7172	94.0267	-684	PM	3.7	1	9.9	1	1.1	1	0.417	1	3.233	0	8.758	-1	1993	44	1.5
15254.1	10000	38.7172	94.0260	-684	PM	3.7	1	9.9	1	1.1	1	0.420	1	3.249	0	8.744	-1	1976	44	1.5
15254.0	10000	38.7172	94.0252	-679	PM	3.9	1	10.1	1	1.1	1	0.441	1	3.486	0	7.906	-1	1960	50	1.5

LINE 640 DATA ACQUIRED 80280 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
15253.9	10000	38.7172	94.0245	-681	PM	3.8	1	8.5	-1	1.1	0	0.448	2	3.503	1	7.819	-1	1955	53	1.5
15253.8	10000	38.7173	94.0237	-687	PM	3.8	1	8.2	-1	1.1	0	0.466	2	3.434	1	7.377	-1	1963	39	1.5
15253.7	10000	38.7173	94.0230	-691	PM	4.0	1	8.5	-1	1.1	0	0.469	2	3.510	1	7.481	-1	1992	47	1.5
15253.6	10000	38.7173	94.0223	-694	PM	3.8	1	8.7	-1	1.1	0	0.439	1	3.454	1	7.878	-1	2022	37	1.5
15253.5	10000	38.7173	94.0215	-696	PM	3.6	1	9.2	0	1.2	1	0.396	1	3.137	0	7.918	-1	2049	35	1.5
15253.4	10000	38.7173	94.0208	-697	PM	3.5	0	8.9	-1	1.2	1	0.398	1	2.980	0	7.482	-1	2065	53	1.6
15253.3	10000	38.7173	94.0201	-698	PM	3.4	0	8.8	-1	1.2	1	0.391	1	2.773	-1	7.102	-1	2074	40	1.6
15253.2	10000	38.7174	94.0193	-700	PM	3.2	0	9.2	0	1.2	1	0.349	0	2.596	-1	7.438	-1	2078	44	1.6
15253.1	10000	38.7174	94.0186	-702	PM	3.0	0	9.1	0	1.3	1	0.333	0	2.415	-1	7.247	-1	2095	49	1.6
15253.0	10000	38.7174	94.0178	-703	PM	3.0	-1	9.2	0	1.3	1	0.327	0	2.336	-1	7.143	-1	2097	36	1.6
15252.9	10000	38.7174	94.0171	-705	PM	3.1	0	9.2	0	1.4	2	0.340	0	2.285	-1	6.723	-2	2125	41	1.6
15252.8	10000	38.7174	94.0164	-708	PM	3.3	0	9.0	0	1.3	2	0.368	0	2.526	-1	6.858	-1	2149	40	1.6
15252.7	10000	38.7174	94.0156	-711	PM	3.3	0	9.4	0	1.3	2	0.352	0	2.494	-1	7.082	-1	2168	34	1.6
15252.6	10000	38.7175	94.0149	-711	PM	3.2	0	9.7	0	1.3	2	0.332	0	2.399	-1	7.228	-1	2195	47	1.6
15252.5	10000	38.7175	94.0141	-714	PM	3.5	0	10.0	1	1.4	2	0.350	0	2.557	-1	7.296	-1	2210	52	1.6
15252.4	10000	38.7175	94.0134	-714	PM	3.4	0	10.2	1	1.4	2	0.331	0	2.438	-1	7.373	-1	2196	44	1.6
15252.3	10000	38.7175	94.0127	-716	PM	3.5	0	10.2	1	1.4	2	0.338	0	2.543	-1	7.530	-1	2187	45	1.6
15252.2	10000	38.7175	94.0119	-718	PM	3.5	0	10.5	1	1.3	1	0.337	0	2.748	-1	8.163	-1	2177	39	1.6
15252.1	10000	38.7175	94.0112	-720	PM	3.7	1	10.7	1	1.3	1	0.350	0	2.900	0	8.286	0	2181	53	1.6
15252.0	10000	38.7176	94.0104	-720	PM	4.0	1	10.8	1	1.3	1	0.369	0	3.149	0	8.537	0	2180	54	1.6
15251.9	10000	38.7176	94.0097	-722	PM	4.1	2	10.6	1	1.2	1	0.391	1	3.447	1	8.822	0	2160	49	1.6
15251.8	10000	38.7176	94.0090	-723	PM	4.0	1	10.0	1	1.1	0	0.399	1	3.495	1	8.760	0	2130	48	1.7
15251.7	10000	38.7176	94.0082	-724	PM	4.1	2	9.8	0	1.1	0	0.422	1	3.760	1	8.913	0	2114	46	1.7
15251.6	10000	38.7176	94.0075	-726	PM	4.0	1	9.5	0	1.1	0	0.423	1	3.653	1	8.645	0	2090	45	1.7
15251.5	10000	38.7176	94.0067	-728	PM	3.8	1	9.4	0	1.1	0	0.407	1	3.567	1	8.761	0	2056	50	1.7
15251.4	10000	38.7177	94.0060	-729	PM	3.7	1	9.2	0	1.1	0	0.403	1	3.436	1	8.518	0	2016	45	1.7
15251.3	10000	38.7177	94.0053	-729	PM	3.4	0	9.0	0	1.1	0	0.382	0	3.181	0	8.322	0	1999	49	1.7
15251.2	10000	38.7177	94.0045	-729	PM	3.4	0	9.1	0	1.1	0	0.374	0	3.066	0	8.205	0	1986	35	1.7
15251.1	10000	38.7177	94.0038	-731	PM	3.3	0	9.3	0	1.1	0	0.358	0	2.921	0	8.155	-1	1990	49	1.7
15251.0	10000	38.7177	94.0031	-733	PM	3.4	0	9.3	0	1.1	0	0.367	0	3.047	0	8.307	0	1989	39	1.7
15250.9	10000	38.7177	94.0023	-733	PM	3.3	0	9.4	0	1.1	0	0.350	0	2.939	0	8.389	0	1994	54	1.7
15250.8	10000	38.7178	94.0016	-735	PM	3.2	0	9.3	0	1.1	0	0.345	0	2.830	0	8.211	0	1992	42	1.7
15250.7	10000	38.7178	94.0008	-736	PM	2.9	-1	9.3	0	1.1	0	0.318	-1	2.598	-1	8.168	0	1988	45	1.7
15250.6	10000	38.7178	94.0001	-736	PM	2.9	-1	9.1	0	1.1	0	0.315	-1	2.512	-1	7.968	-1	1979	36	1.7

GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-
A 1	610	E 5	620	I 9	630	M 13	640								
B 1	610	F 5	620	J 9	630										
C 1	610	G 5	620	K 9	630	A 14	640								
D 1	610	H 5	620	L 9	630	B 14	640								
E 1	610	I 5	620	M 9	630	C 14	640								
F 1	610	J 5	620			D 14	640								
G 1	610	K 5	620	A 10	630	E 14	640								
H 1	610	L 5	620	B 10	630	F 14	640								
I 1	610	M 5	620	C 10	630	G 14	640								
J 1	610			D 10	630	H 14	640								
K 1	610	A 6	620	E 10	630	I 14	640								
L 1	610	B 6	620	F 10	630	J 14	640								
M 1	610	C 6	620	G 10	630	K 14	640								
		D 6	620	H 10	630	L 14	640								
A 2	610	E 6	620	I 10	630	M 14	640								
B 2	610	F 6	620	J 10	630										
C 2	610	G 6	620	K 10	630	A 15	640								
D 2	610	H 6	620	L 10	630	B 15	640								
E 2	610	I 6	620	M 10	630	C 15	640								
F 2	610	J 6	620			D 15	640								
G 2	610	K 6	620	A 11	630	E 15	640								
H 2	610	L 6	620	B 11	630	F 15	640								
I 2	610	M 6	620	C 11	630	G 15	640								
J 2	610			D 11	630	H 15	640								
K 2	610	A 7	620	E 11	630	I 15	640								
L 2	610	B 7	620	F 11	630	J 15	640								
M 2	610	C 7	620	G 11	630	K 15	640								
		D 7	620	H 11	630	L 15	640								
A 3	610	E 7	620	I 11	630	M 15	640								
B 3	610	F 7	620	J 11	630										
C 3	610	G 7	620	K 11	630	A 16	640								
D 3	610	H 7	620	L 11	630	B 16	640								
E 3	610	I 7	620	M 11	630	C 16	640								
F 3	610	J 7	620			D 16	640								
G 3	610	K 7	620	A 12	630	E 16	640								
H 3	610	L 7	620	B 12	630	F 16	640								
I 3	610	M 7	620	C 12	630	G 16	640								
J 3	610			D 12	630	H 16	640								
K 3	610	A 8	620	E 12	630	I 16	640								
L 3	610	B 8	620	F 12	630	J 16	640								
M 3	610	C 8	620	G 12	630	K 16	640								
		D 8	620	H 12	630	L 16	640								
A 4	610	E 8	620	I 12	630	M 16	640								
B 4	610	F 8	620	J 12	630										
C 4	610	G 8	620	K 12	630										
D 4	610	H 8	620	L 12	630										
E 4	610	I 8	620	M 12	630										
F 4	610	J 8	620												
G 4	610	K 8	620	A 13	640										
H 4	610	L 8	620	B 13	640										
I 4	610	M 8	620	C 13	640										
J 4	610			D 13	640										
K 4	610	A 9	630	E 13	640										
L 4	610	B 9	630	F 13	640										
M 4	610	C 9	630	G 13	640										
		D 9	630	H 13	640										

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9698.0	10000	38.6345	95.9996	-589	QAL	3.0	0	8.2	-1	1.4	0	0.366	0	2.208	-1	6.036	-1	1917	57	1.5
9698.1	10000	38.6345	95.9988	-589	QAL	3.0	0	8.2	-1	1.4	0	0.363	0	2.180	-1	6.013	-1	1906	48	1.5
9698.2	10000	38.6345	95.9980	-589	QAL	2.7	-1	8.1	-1	1.4	0	0.331	0	1.976	-1	5.964	-1	1912	45	1.5
9698.3	10000	38.6345	95.9973	-589	QAL	2.5	-1	8.5	-1	1.4	1	0.297	-1	1.792	-1	6.025	-1	1927	53	1.5
9698.4	10000	38.6345	95.9965	-589	QAL	2.5	-1	8.6	0	1.5	1	0.288	-1	1.676	-1	5.824	-1	1937	45	1.5
9698.5	10000	38.6345	95.9958	-590	QAL	2.5	-1	9.0	0	1.5	1	0.276	-1	1.639	-1	5.932	-1	1965	45	1.5
9698.6	10000	38.6345	95.9950	-591	QAL	2.4	-1	9.5	0	1.5	1	0.255	-1	1.576	-1	6.177	-1	2006	57	1.5
9698.7	10000	38.6345	95.9942	-592	QAL	2.3	-2	9.7	0	1.5	1	0.234	-2	1.489	-2	6.353	-1	2023	52	1.5
9698.8	10000	38.6344	95.9935	-593	QAL	2.5	-1	9.8	0	1.5	1	0.256	-1	1.652	-1	6.465	-1	2050	58	1.5
9698.9	10000	38.6344	95.9927	-594	QAL	2.8	0	9.8	0	1.5	1	0.290	-1	1.910	-1	6.593	-1	2054	57	1.5
9699.0	10000	38.6344	95.9919	-595	QAL	3.2	0	9.6	0	1.4	1	0.332	0	2.297	0	6.909	0	2045	56	1.5
9699.1	10000	38.6344	95.9911	-596	QAL	3.1	0	9.3	0	1.3	0	0.330	0	2.387	0	7.228	0	2021	41	1.5
9699.2	10000	38.6344	95.9904	-597	QAL	3.0	0	8.9	0	1.2	0	0.335	0	2.412	0	7.203	0	1975	39	1.5
9699.3	10000	38.6344	95.9896	-597	QAL	2.8	0	8.8	-1	1.2	0	0.340	0	2.344	0	6.900	0	1944	52	1.5
9699.4	10000	38.6343	95.9888	-596	QAL	3.1	0	8.7	-1	1.2	0	0.370	0	2.639	0	7.129	0	1960	51	1.5
9699.5	10000	38.6343	95.9881	-596	QAL	3.0	0	8.7	0	1.2	0	0.338	0	2.462	0	7.277	0	1958	44	1.5
9699.6	10000	38.6343	95.9873	-599	QAL	3.1	0	9.0	0	1.2	0	0.345	0	2.518	0	7.308	0	1966	36	1.5
9699.7	10000	38.6343	95.9866	-602	QAL	2.9	0	9.0	0	1.2	0	0.320	0	2.326	0	7.269	0	1976	46	1.5
9699.8	10000	38.6343	95.9858	-604	QAL	3.0	0	9.2	0	1.3	0	0.321	0	2.335	0	7.277	0	2003	36	1.5
9699.9	10000	38.6343	95.9850	-604	QAL	3.0	-1	9.5	0	1.3	0	0.276	-1	2.035	-1	7.378	0	2027	42	1.5
9700.0	10000	38.6343	95.9843	-605	QAL	2.8	-1	9.3	0	1.3	0	0.269	-1	2.100	-1	7.796	0	2051	53	1.5
9700.1	10000	38.6342	95.9835	-605	QAL	2.7	-1	10.3	0	1.3	0	0.262	-1	2.034	-1	7.752	0	2043	67	1.5
9700.2	10000	38.6342	95.9827	-605	QAL	2.7	-1	10.1	0	1.3	0	0.271	-1	2.038	-1	7.515	0	2057	50	1.5
9700.3	10000	38.6342	95.9819	-605	QAL	3.3	-2	10.6	0	1.4	0	0.214	-2	1.649	-1	7.714	0	2072	57	1.5
9700.4	10000	38.6342	95.9812	-606	QAL	3.4	-1	10.3	0	1.4	0	0.231	-2	1.682	-1	7.274	0	2084	48	1.5
9700.5	10000	38.6342	95.9804	-606	PW	3.4	-1	10.1	0	1.4	1	0.241	-1	1.736	-2	7.195	-1	2096	40	1.5
9700.6	10000	38.6342	95.9797	-606	PW	3.7	-1	10.1	0	1.4	1	0.266	-1	1.944	-1	7.309	-1	2110	52	1.5
9700.7	10000	38.6341	95.9789	-607	PW	3.5	-1	10.1	0	1.4	1	0.252	-1	1.816	-1	7.210	-1	2113	58	1.5
9700.8	10000	38.6341	95.9781	-607	PW	3.4	-1	10.2	0	1.4	1	0.232	-1	1.707	-2	7.350	-1	2112	43	1.5
9700.9	10000	38.6341	95.9774	-608	PW	3.5	-1	10.0	0	1.4	1	0.244	-1	1.852	-1	7.578	-1	2097	43	1.5
9701.0	10000	38.6341	95.9766	-608	PW	3.8	-1	9.9	0	1.3	1	0.287	0	2.188	-1	7.620	-1	2097	46	1.5
9701.1	10000	38.6341	95.9758	-608	PW	3.7	-1	10.3	0	1.3	1	0.259	-1	2.062	-1	7.948	0	2105	53	1.5
9701.2	10000	38.6341	95.9751	-609	PW	3.7	-1	10.6	0	1.3	1	0.252	-1	2.115	-1	8.391	0	2097	45	1.5
9701.3	10000	38.6341	95.9743	-609	PW	3.7	-1	10.4	0	1.3	1	0.256	-1	2.024	-1	7.893	0	2092	51	1.5
9701.4	10000	38.6340	95.9735	-609	PW	3.7	-1	10.3	0	1.3	1	0.266	-1	2.161	-1	8.141	0	2082	51	1.5
9701.5	10000	38.6340	95.9727	-610	PW	3.8	0	10.1	0	1.3	1	0.272	-1	2.209	-1	8.121	0	2082	45	1.5
9701.6	10000	38.6340	95.9720	-610	PW	3.8	-1	10.4	0	1.3	1	0.265	-1	2.200	-1	8.303	0	2091	49	1.5
9701.7	10000	38.6340	95.9712	-610	PW	3.7	-1	10.3	0	1.2	1	0.260	-1	2.208	-1	8.489	0	2067	33	1.5
9701.8	10000	38.6340	95.9705	-611	PW	3.7	-1	10.7	0	1.2	1	0.250	-1	2.339	-1	9.370	1	2057	48	1.5
9701.9	10000	38.6340	95.9697	-612	PW	3.7	-1	10.9	0	1.2	1	0.247	-1	2.269	-1	9.205	1	2054	40	1.5
9702.0	10000	38.6339	95.9689	-611	PW	3.7	0	11.0	0	1.2	1	0.248	-1	2.435	0	9.801	2	2053	58	1.5
9702.1	10000	38.6339	95.9682	-612	PW	3.9	0	11.1	0	1.2	1	0.259	-1	2.560	0	9.869	2	2053	43	1.5
9702.2	10000	38.6339	95.9674	-612	PW	3.8	0	11.4	0	1.2	1	0.245	-1	2.504	0	10.216	2	2048	57	1.5
9702.3	10000	38.6339	95.9666	-612	PW	3.6	0	11.5	0	1.2	1	0.223	-2	2.315	0	10.370	2	2032	48	1.5
9702.4	10000	38.6339	95.9659	-613	PW	3.8	0	11.4	0	1.2	1	0.242	-1	2.540	0	10.480	2	2035	55	1.5
9702.5	10000	38.6339	95.9651	-614	PW	3.9	0	11.3	0	1.2	1	0.266	-1	2.560	0	10.622	2	2033	40	1.5
9702.6	10000	38.6339	95.9643	-614	PW	3.8	0	10.8	0	1.2	1	0.259	-1	2.425	0	10.370	2	2025	53	1.5
9702.7	10000	38.6339	95.9635	-615	PW	3.5	-1	10.9	0	1.2	1	0.251	-1	2.324	0	9.277	1	2027	40	1.5
9702.8	10000	38.6338	95.9628	-616	PW	3.7	-1	10.7	0	1.2	1	0.235	-1	2.159	0	9.194	1	2035	45	1.5
9702.9	10000	38.6338	95.9620	-616	PW	3.5	-1	10.7	0	1.2	1	0.253	-1	2.252	0	8.907	1	2046	45	1.5
9703.0	10000	38.6338	95.9613	-617	PW	3.9	0	11.1	0	1.3	1	0.265	-1	2.316	0	8.742	1	2062	41	1.5
9703.1	10000	38.6338	95.9605	-617	PW	2.6	-1	11.4	2	1.3	1	0.226	-2	1.932	-1	8.564	0	2076	67	1.5

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9703.2	10000	38.6338	95.9596	-617	PW	2.4	-1	11.5	2	1.3	0	0.210	-2	1.859	-1	8.858	1	2071	49	1.5
9703.3	10000	38.6338	95.9588	-617	PW	2.3	-1	11.4	2	1.3	1	0.203	-2	1.754	-1	8.638	0	2083	49	1.5
9703.4	10000	38.6338	95.9579	-618	PW	2.4	-1	10.9	1	1.3	0	0.220	-2	1.857	-1	8.447	0	2088	53	1.5
9703.5	10000	38.6339	95.9571	-619	PW	2.4	-1	11.0	1	1.3	1	0.221	-2	1.833	-1	8.279	0	2099	45	1.5
9703.6	10000	38.6339	95.9563	-619	PW	2.4	-1	10.7	1	1.3	1	0.225	-2	1.799	-1	7.986	0	2091	49	1.5
9703.7	10000	38.6339	95.9554	-620	PW	2.4	-1	9.9	0	1.3	1	0.240	-1	1.824	-1	7.601	-1	2096	36	1.5
9703.8	10000	38.6339	95.9545	-620	PW	2.6	-1	10.0	0	1.3	1	0.261	-1	2.011	-1	7.690	0	2089	58	1.5
9703.9	10000	38.6339	95.9537	-620	PW	2.6	-1	9.8	0	1.3	1	0.262	-1	1.996	-1	7.614	-1	2083	45	1.5
9704.0	10000	38.6339	95.9529	-621	PW	2.9	0	10.3	0	1.2	0	0.278	0	2.304	0	8.302	0	2088	41	1.5
9704.1	10000	38.6339	95.9520	-621	PW	2.9	0	10.7	1	1.3	0	0.274	-1	2.304	0	8.418	0	2097	58	1.5
9704.2	10000	38.6339	95.9512	-621	PW	3.0	0	10.4	1	1.3	0	0.288	0	2.382	0	8.279	0	2085	38	1.5
9704.3	10000	38.6339	95.9503	-621	PW	2.9	0	10.6	1	1.2	0	0.272	-1	2.408	0	8.858	1	2086	57	1.5
9704.4	10000	38.6340	95.9495	-622	PW	2.9	0	11.2	1	1.2	0	0.259	-1	2.385	0	9.217	1	2088	47	1.5
9704.5	10000	38.6340	95.9486	-622	PW	2.9	0	10.6	1	1.2	0	0.271	-1	2.385	0	8.797	1	2090	46	1.5
9704.6	10000	38.6340	95.9478	-621	PW	3.1	0	10.6	1	1.2	0	0.289	0	2.536	0	8.769	1	2093	43	1.5
9704.7	10000	38.6340	95.9469	-621	PW	3.0	0	10.4	1	1.2	0	0.288	0	2.407	0	8.366	0	2076	46	1.5
9704.8	10000	38.6340	95.9461	-622	PW	2.9	0	10.1	1	1.2	0	0.288	0	2.375	0	8.242	0	2072	48	1.5
9704.9	10000	38.6340	95.9452	-621	PW	2.8	0	10.4	1	1.2	0	0.274	-1	2.298	0	8.391	0	2074	35	1.5
9705.0	10000	38.6340	95.9444	-620	PW	3.0	0	10.3	1	1.3	0	0.291	0	2.384	0	8.193	0	2075	47	1.5
9705.1	10000	38.6340	95.9435	-621	PW	2.8	0	10.3	1	1.3	0	0.273	-1	2.241	0	8.218	0	2054	46	1.5
9705.2	10000	38.6341	95.9427	-620	PW	2.6	-1	10.5	1	1.3	0	0.244	-1	2.021	-1	8.298	0	2072	51	1.5
9705.3	10000	38.6341	95.9418	-619	PW	2.4	-1	10.6	1	1.3	0	0.227	-2	1.845	-1	8.126	0	2092	46	1.4
9705.4	10000	38.6341	95.9410	-619	PW	2.4	-1	10.2	1	1.3	0	0.227	-2	1.786	-1	7.857	0	2101	44	1.4
9705.5	10000	38.6341	95.9401	-617	PW	2.3	-1	10.4	1	1.3	0	0.216	-2	1.682	-2	7.769	0	2101	56	1.4
9705.6	10000	38.6341	95.9393	-617	PW	2.3	-1	10.5	1	1.3	0	0.224	-2	1.768	-1	7.886	0	2093	52	1.4
9705.7	10000	38.6341	95.9384	-616	PW	2.3	-1	10.1	0	1.4	1	0.225	-2	1.651	-2	7.351	-1	2081	55	1.4
9705.8	10000	38.6341	95.9376	-615	PW	2.4	-1	9.4	0	1.4	1	0.256	-1	1.788	-1	6.990	-1	2062	46	1.4
9705.9	10000	38.6341	95.9367	-613	PW	2.7	-1	9.4	-1	1.3	1	0.289	0	2.062	-1	7.146	-1	2023	58	1.4
9706.0	10000	38.6342	95.9359	-612	PW	2.9	0	9.6	0	1.3	1	0.301	0	2.191	-1	7.290	-1	2006	43	1.4
9706.1	10000	38.6342	95.9350	-608	PW	3.0	0	9.7	0	1.3	1	0.311	0	2.343	-1	7.325	-1	2003	55	1.4
9706.2	10000	38.6342	95.9342	-604	PW	3.0	0	9.8	0	1.3	1	0.310	0	2.410	-1	7.738	0	2004	55	1.4
9706.3	10000	38.6342	95.9333	-602	PW	3.0	0	9.9	0	1.3	1	0.313	0	2.466	-1	7.951	0	2027	45	1.4
9706.4	10000	38.6342	95.9325	-604	PW	3.0	0	9.9	0	1.3	1	0.299	0	2.717	-1	8.682	0	2049	52	1.4
9706.5	10000	38.6342	95.9317	-606	PW	3.0	0	9.9	0	1.3	1	0.294	0	2.656	-1	8.875	0	2070	50	1.4
9706.6	10000	38.6342	95.9308	-606	PW	3.0	0	9.9	0	1.3	1	0.307	0	2.487	-1	8.462	0	2067	59	1.4
9706.7	10000	38.6343	95.9300	-604	PW	3.0	0	9.9	0	1.3	1	0.287	0	2.587	-1	8.436	0	2071	38	1.4
9706.8	10000	38.6343	95.9291	-602	PW	3.0	0	9.9	0	1.3	1	0.298	0	2.539	-1	8.858	0	2059	52	1.4
9706.9	10000	38.6343	95.9283	-600	PW	3.0	0	9.9	0	1.3	1	0.327	0	2.681	-1	8.448	0	2043	36	1.5
9707.0	10000	38.6343	95.9274	-599	PW	3.0	0	9.9	0	1.3	1	0.313	0	2.588	-1	8.201	0	2035	51	1.5
9707.1	10000	38.6343	95.9266	-597	PW	3.0	0	9.9	0	1.3	1	0.321	0	2.653	-1	8.286	0	2033	37	1.5
9707.2	10000	38.6343	95.9257	-595	PW	3.0	0	9.9	0	1.3	1	0.313	0	2.588	-1	8.286	0	2035	49	1.5
9707.3	10000	38.6343	95.9249	-594	PW	3.0	0	9.9	0	1.3	1	0.309	0	2.555	-1	8.301	0	2043	52	1.5
9707.4	10000	38.6343	95.9240	-592	PW	3.0	0	9.9	0	1.3	1	0.307	0	2.539	-1	8.273	0	2064	38	1.5
9707.5	10000	38.6343	95.9232	-590	PW	3.0	0	9.9	0	1.3	1	0.296	0	2.447	-1	8.357	0	2068	58	1.5
9707.6	10000	38.6344	95.9223	-588	PW	3.0	0	9.9	0	1.3	1	0.274	0	2.260	-1	8.273	0	2064	55	1.5
9707.7	10000	38.6344	95.9215	-584	PW	3.0	0	9.9	0	1.3	1	0.256	0	2.112	-1	8.273	0	2064	55	1.5
9707.8	10000	38.6344	95.9206	-579	PW	3.0	0	9.9	0	1.3	1	0.247	0	2.038	-1	8.273	0	2064	55	1.5
9707.9	10000	38.6344	95.9198	-579	PW	3.0	0	9.9	0	1.3	1	0.233	0	1.923	-1	8.273	0	2064	55	1.5
9708.0	10000	38.6344	95.9189	-582	PW	3.0	0	9.9	0	1.3	1	0.241	0	1.989	-1	8.273	0	2064	55	1.5
9708.1	10000	38.6344	95.9181	-581	PW	3.0	0	9.9	0	1.3	1	0.241	0	1.989	-1	8.273	0	2064	55	1.5
9708.2	10000	38.6344	95.9172	-580	PW	3.0	0	9.9	0	1.3	1	0.241	0	1.989	-1	8.273	0	2064	55	1.5
9708.3	10000	38.6345	95.9164	-579	PW	3.0	0	9.9	0	1.3	1	0.241	0	1.989	-1	8.273	0	2064	55	1.5

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9708.4	10000	38.6345	95.9155	-578	PW	2.4	-1	11.0	1	1.3	0	0.222	-2	1.908	-1	8.600	0	2031	38	1.5
9708.5	10000	38.6345	95.9147	-578	PW	2.6	-1	10.5	1	1.3	0	0.251	-1	2.050	-1	8.165	0	2017	53	1.5
9708.6	10000	38.6345	95.9138	-577	PW	2.6	-1	10.1	0	1.2	0	0.255	-1	2.117	-1	8.293	0	1995	51	1.5
9708.7	10000	38.6345	95.9130	-577	PW	2.6	-1	10.0	0	1.3	0	0.256	-1	2.010	-1	7.865	0	1994	49	1.5
9708.8	10000	38.6345	95.9121	-577	PW	2.7	-1	10.1	0	1.3	1	0.264	-1	2.017	-1	7.637	-1	2001	39	1.5
9708.9	10000	38.6345	95.9113	-577	PW	2.8	0	9.9	0	1.3	0	0.287	0	2.184	-1	7.622	-1	1997	55	1.5
9709.0	10000	38.6345	95.9104	-577	PW	2.7	0	9.6	0	1.3	0	0.285	0	2.111	-1	7.415	-1	1990	46	1.5
9709.1	10000	38.6346	95.9096	-579	PW	2.8	0	9.5	0	1.3	1	0.299	0	2.198	-1	7.356	-1	2000	46	1.5
9709.2	10000	38.6346	95.9088	-578	PW	2.8	0	9.6	0	1.3	1	0.290	0	2.132	-1	7.363	-1	2011	53	1.6
9709.3	10000	38.6346	95.9079	-578	PW	2.9	0	9.7	0	1.4	1	0.301	0	2.171	-1	7.209	-1	2029	47	1.6
9709.4	10000	38.6346	95.9071	-581	PW	2.9	0	9.3	-1	1.3	1	0.311	0	2.211	-1	7.115	-1	2003	39	1.6
9709.5	10000	38.6346	95.9062	-584	PW	2.8	0	9.1	-1	1.3	1	0.311	0	2.170	-1	6.976	-1	1989	55	1.6
9709.6	10000	38.6346	95.9054	-584	PW	2.7	-1	8.6	-1	1.3	1	0.311	0	2.100	-1	6.747	-1	1992	41	1.6
9709.7	10000	38.6346	95.9045	-584	QAL	2.6	-1	8.9	-1	1.3	0	0.287	-1	1.974	-1	6.881	0	1998	43	1.6
9709.8	10000	38.6346	95.9037	-590	QAL	2.8	-1	9.1	-1	1.4	0	0.309	0	2.062	-1	6.664	-1	2009	35	1.6
9709.9	10000	38.6347	95.9028	-592	QAL	2.5	-1	9.0	-1	1.3	0	0.275	-1	1.891	-1	6.866	0	2002	56	1.6
9710.0	10000	38.6347	95.9020	-594	QAL	2.6	-1	8.7	-1	1.3	0	0.295	-1	1.966	-1	6.665	-1	2005	44	1.6
9710.1	10000	38.6347	95.9011	-596	QAL	2.7	-1	9.1	-1	1.3	0	0.299	-1	2.052	-1	6.856	0	2024	55	1.6
9710.2	10000	38.6347	95.9003	-599	QAL	2.7	-1	9.2	-1	1.3	0	0.292	-1	2.032	-1	6.952	0	2057	51	1.6
9710.3	10000	38.6347	95.8994	-601	QAL	3.0	0	9.3	0	1.3	0	0.325	0	2.288	0	7.041	0	2070	47	1.6
9710.4	10000	38.6347	95.8986	-605	QAL	3.1	0	9.3	0	1.3	0	0.359	0	2.513	0	6.991	0	2095	46	1.6
9710.5	10000	38.6347	95.8977	-608	QAL	3.1	0	9.2	0	1.4	0	0.339	0	2.428	0	7.164	0	2106	41	1.7
9710.6	10000	38.6347	95.8969	-610	QAL	3.4	0	9.7	0	1.4	0	0.364	0	2.477	0	6.800	-1	2121	50	1.7
9710.7	10000	38.6348	95.8960	-612	QAL	3.1	0	9.8	0	1.4	0	0.321	-1	2.209	-1	6.887	0	2143	40	1.7
9710.8	10000	38.6348	95.8952	-613	QAL	3.0	0	9.8	0	1.4	0	0.307	-1	2.129	-1	6.940	0	2151	42	1.7
9710.9	10000	38.6348	95.8943	-616	QAL	3.1	0	10.0	0	1.4	0	0.311	-1	2.167	-1	6.969	0	2155	51	1.7
9711.0	10000	38.6348	95.8935	-621	QAL	2.8	0	10.0	0	1.4	0	0.283	-1	1.960	-1	6.924	0	2153	58	1.7
9711.1	10000	38.6348	95.8926	-624	QAL	2.7	-1	10.5	1	1.4	0	0.260	-1	1.880	-1	7.229	0	2143	47	1.7
9711.2	10000	38.6348	95.8918	-626	QAL	2.7	-1	10.3	1	1.4	0	0.267	-1	1.916	-1	7.182	0	2135	60	1.7
9711.3	10000	38.6348	95.8909	-629	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	1.881	-1	7.407	0	2127	43	1.7
9711.4	10000	38.6348	95.8901	-631	QAL	2.7	-1	10.2	1	1.4	0	0.269	-1	2.043	-1	7.602	0	2100	53	1.7
9711.5	10000	38.6348	95.8893	-633	QAL	2.8	-1	10.2	1	1.4	0	0.277	-1	2.118	-1	7.657	0	2085	59	1.7
9711.6	10000	38.6349	95.8884	-636	QAL	2.7	-1	10.2	1	1.4	0	0.279	-1	2.052	-1	7.365	0	2045	54	1.7
9711.7	10000	38.6349	95.8876	-638	QAL	2.7	-1	10.2	1	1.4	0	0.273	-1	2.072	-1	7.580	0	2020	43	1.7
9711.8	10000	38.6349	95.8867	-640	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	2.152	-1	7.373	0	2011	48	1.7
9711.9	10000	38.6349	95.8858	-642	QAL	2.5	-1	10.2	1	1.4	0	0.245	-1	1.931	-1	7.024	0	2018	51	1.7
9712.0	10000	38.6349	95.8850	-643	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	2.262	-1	7.227	0	2034	38	1.7
9712.1	10000	38.6349	95.8842	-646	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	2.357	-1	7.225	0	2052	46	1.7
9712.2	10000	38.6349	95.8833	-649	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	2.145	-1	7.018	0	2066	40	1.7
9712.3	10000	38.6349	95.8825	-651	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	2.016	-1	7.075	0	2110	41	1.7
9712.4	10000	38.6350	95.8816	-653	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	1.906	-1	6.985	0	2139	51	1.8
9712.5	10000	38.6350	95.8808	-655	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	1.762	-1	6.697	0	2147	42	1.8
9712.6	10000	38.6350	95.8799	-656	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	1.702	-1	6.833	0	2153	43	1.8
9712.7	10000	38.6350	95.8791	-658	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	1.668	-1	6.599	0	2124	58	1.8
9712.8	10000	38.6350	95.8782	-660	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	1.670	-1	6.302	0	2111	46	1.8
9712.9	10000	38.6350	95.8774	-661	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	1.642	-1	6.479	0	2095	66	1.8
9713.0	10000	38.6350	95.8765	-663	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	1.551	-1	6.296	0	2064	44	1.8
9713.1	10000	38.6350	95.8757	-664	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	1.713	-1	6.910	0	2051	57	1.8
9713.2	10000	38.6351	95.8748	-664	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	1.643	-1	6.953	0	2028	42	1.8
9713.3	10000	38.6351	95.8740	-665	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	1.559	-1	6.096	0	2005	50	1.8
9713.4	10000	38.6351	95.8731	-666	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	1.603	-1	6.378	0	2026	52	1.8
9713.5	10000	38.6351	95.8723	-666	QAL	2.6	-1	10.2	1	1.4	0	0.254	-1	1.603	-1	6.455	0	2026	49	1.8

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9713.6	10000	38.6351	95.8714	-667	QAL	2.5	-1	8.9	0	1.4	1	0.276	-1	1.708	-1	6.183	-1	2034	63	1.8
9713.7	10000	38.6351	95.8706	-667	QAL	2.4	-1	9.1	0	1.4	1	0.264	-1	1.701	-1	6.448	-1	2044	59	1.9
9713.8	10000	38.6351	95.8697	-667	QAL	2.7	-1	9.3	0	1.4	1	0.289	-1	1.972	-1	6.814	-1	2051	51	1.9
9713.9	10000	38.6351	95.8689	-667	QAL	2.5	-1	9.5	0	1.3	0	0.261	-1	1.837	-1	7.036	0	2063	55	1.9
9714.0	10000	38.6352	95.8680	-667	QAL	2.5	-1	9.8	0	1.4	0	0.256	-1	1.820	-1	7.121	0	2070	52	1.9
9714.1	10000	38.6352	95.8672	-666	QAL	2.5	-1	9.5	0	1.3	0	0.269	-1	1.916	-1	7.128	0	2051	53	1.9
9714.2	10000	38.6352	95.8663	-666	QAL	2.8	0	9.4	0	1.3	0	0.299	-1	2.168	-1	7.263	0	2041	46	1.9
9714.3	10000	38.6352	95.8655	-666	QAL	2.9	0	9.6	0	1.2	0	0.299	-1	2.[illegible]	0	7.683	0	2039	59	1.9
9714.4	10000	38.6352	95.8647	-665	QAL	3.1	0	9.6	0	1.2	0	0.324	0	2.555	0	7.894	0	2027	48	1.9
9714.5	10000	38.6352	95.8638	-665	QAL	2.9	0	9.8	0	1.3	0	0.295	-1	2.310	0	7.842	0	2027	53	1.9
9714.6	10000	38.6352	95.8630	-664	QAL	3.1	0	10.0	1	1.3	0	0.310	0	2.451	0	7.898	0	2049	53	1.9
9714.7	10000	38.6352	95.8621	-663	QAL	3.1	0	9.6	0	1.2	0	0.317	0	2.448	0	7.724	0	2064	48	1.9
9714.8	10000	38.6352	95.8613	-663	QAL	3.1	0	9.8	0	1.3	0	0.321	0	2.436	0	7.580	0	2079	45	1.9
9714.9	10000	38.6353	95.8604	-662	QAL	2.9	0	9.5	0	1.3	0	0.309	0	2.197	-1	7.106	0	2095	53	1.8
9715.0	10000	38.6353	95.8596	-662	QAL	2.6	-1	9.3	0	1.4	1	0.284	-1	1.889	-1	6.661	-1	2109	52	1.8
9715.1	10000	38.6353	95.8587	-661	QAL	2.4	-1	9.4	0	1.4	1	0.254	-1	1.659	-1	6.528	-1	2132	37	1.8
9715.2	10000	38.6353	95.8578	-660	QAL	2.3	-2	9.4	0	1.5	1	0.243	-1	1.568	-1	6.442	-1	2141	46	1.8
9715.3	10000	38.6353	95.8570	-659	QAL	2.2	-2	9.3	0	1.5	1	0.233	-2	1.459	-2	6.262	-1	2138	56	1.8
9715.4	10000	38.6353	95.8561	-658	QAL	2.3	-1	9.4	0	1.5	1	0.244	-1	1.525	-2	6.257	-1	2144	65	1.8
9715.5	10000	38.6353	95.8553	-657	PW	2.3	-1	9.8	0	1.5	2	0.234	-1	1.513	-2	6.456	-2	2166	49	1.8
9715.6	10000	38.6353	95.8544	-656	PW	2.1	-2	10.1	0	1.5	2	0.212	-2	1.406	-2	6.622	-2	2173	52	1.8
9715.7	10000	38.6353	95.8536	-654	PW	2.4	-1	10.6	0	1.5	2	0.230	-1	1.635	-2	7.096	-1	2176	41	1.8
9715.8	10000	38.6353	95.8527	-653	PW	2.7	-1	10.5	0	1.5	2	0.271	-1	1.894	-1	6.999	-1	2179	48	1.8
9715.9	10000	38.6353	95.8519	-652	PW	2.9	-1	10.7	0	1.5	2	0.278	0	2.007	-1	7.225	-1	2183	47	1.8
9716.0	10000	38.6353	95.8510	-651	PW	2.9	-1	10.7	0	1.4	2	0.290	0	2.157	-1	7.445	-1	2187	51	1.8
9716.1	10000	38.6353	95.8502	-649	PW	2.8	-1	10.5	0	1.4	2	0.281	0	2.125	-1	7.575	-1	2184	50	1.8
9716.2	10000	38.6353	95.8493	-648	PW	2.9	-1	10.3	0	1.4	2	0.290	0	2.204	-1	7.610	-1	2163	52	1.8
9716.3	10000	38.6354	95.8485	-647	PW	3.2	0	10.2	1	1.3	2	0.326	0	2.548	0	7.828	0	2164	54	1.8
9716.4	10000	38.6354	95.8476	-645	PW	3.6	0	10.1	1	1.3	2	0.353	1	2.839	0	8.036	0	2166	43	1.8
9716.5	10000	38.6354	95.8468	-644	PW	3.5	0	10.1	1	1.3	2	0.350	1	2.970	1	8.484	0	2158	53	1.8
9716.6	10000	38.6354	95.8459	-642	PW	4.0	0	9.7	1	1.2	2	0.409	1	3.308	2	8.087	0	2167	56	1.8
9716.7	10000	38.6354	95.8450	-641	PW	4.0	0	9.7	1	1.2	2	0.408	1	3.288	2	8.055	0	2154	39	1.7
9716.8	10000	38.6354	95.8442	-640	PW	4.2	0	9.6	1	1.2	2	0.436	1	3.384	2	7.756	0	2146	53	1.7
9716.9	10000	38.6354	95.8433	-639	PW	4.2	0	9.8	1	1.2	2	0.430	1	3.389	2	7.874	0	2133	55	1.7
9717.0	10000	38.6354	95.8425	-638	CULTRL	4.1	999	6.6	999	1.1	2	0.431	999	3.260	999	7.563	999	2101	39	1.7
9717.1	10000	38.6354	95.8416	-637	CULTRL	3.9	999	6.0	999	1.1	2	0.430	999	3.029	999	7.039	999	2059	45	1.7
9717.2	10000	38.6354	95.8408	-636	CULTRL	3.6	999	5.3	999	1.1	2	0.399	999	2.856	999	7.150	999	1998	59	1.7
9717.3	10000	38.6354	95.8399	-633	CULTRL	3.3	999	5.2	999	1.1	2	0.393	999	2.860	999	7.271	999	1916	39	1.7
9717.4	10000	38.6354	95.8391	-629	CULTRL	3.3	999	5.1	999	1.1	2	0.401	999	3.108	999	7.744	999	1872	58	1.7
9717.5	10000	38.6354	95.8382	-629	CULTRL	3.2	999	4.7	999	1.0	2	0.401	999	3.400	999	8.480	999	1827	42	1.7
9717.6	10000	38.6354	95.8374	-630	CULTRL	3.3	999	4.6	999	1.0	2	0.427	999	3.489	999	8.176	999	1802	41	1.7
9717.7	10000	38.6354	95.8365	-630	CULTRL	3.4	999	4.9	999	1.0	2	0.466	999	4.015	999	8.609	999	1770	46	1.6
9717.8	10000	38.6354	95.8357	-630	CULTRL	3.4	999	4.9	999	1.0	2	0.461	999	3.903	999	8.457	999	1750	39	1.6
9717.9	10000	38.6354	95.8348	-630	CULTRL	3.2	999	4.7	999	1.0	2	0.472	999	3.652	999	7.740	999	1750	45	1.6
9718.0	10000	38.6355	95.8340	-630	CULTRL	3.1	999	4.4	999	1.0	2	0.429	999	3.578	999	8.339	999	1764	50	1.6
9718.1	10000	38.6355	95.8331	-631	CULTRL	2.9	999	4.3	999	1.0	2	0.428	999	3.191	999	7.462	999	1754	64	1.6
9718.2	10000	38.6355	95.8323	-631	CULTRL	2.9	999	4.3	999	1.0	2	0.413	999	2.988	999	7.229	999	1754	54	1.6
9718.3	10000	38.6355	95.8314	-632	CULTRL	2.8	999	4.2	999	1.0	2	0.454	999	3.193	999	7.029	999	1735	60	1.6
9718.4	10000	38.6355	95.8306	-633	CULTRL	2.6	999	3.9	999	1.0	2	0.415	999	2.745	999	6.644	999	1725	48	1.6
9718.5	10000	38.6355	95.8297	-634	CULTRL	2.9	999	4.1	999	1.0	2	0.448	999	2.608	999	6.276	999	1709	52	1.5
9718.6	10000	38.6355	95.8288	-634	CULTRL	2.9	999	3.9	999	1.0	2	0.493	999	2.895	999	6.461	999	1694	55	1.5
9718.7	10000	38.6355	95.8280	-633	CULTRL	2.9	999	3.9	999	1.0	2	0.493	999	2.824	999	5.733	999	1681	55	1.5

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9718.8	10000	38.6355	95.8271	-628	CULTRL	3.0	999	5.8	999	1.0	999	0.527	999	3.019	999	5.731	999	1660	54	1.5
9718.9	10000	38.6355	95.8263	-624	CULTRL	3.2	999	5.6	999	1.0	999	0.565	999	3.188	999	5.646	999	1641	53	1.5
9719.0	10000	38.6355	95.8254	-631	CULTRL	2.9	999	5.6	999	1.0	999	0.519	999	2.976	999	5.733	999	1645	40	1.5
9719.1	10000	38.6355	95.8246	-633	CULTRL	2.9	999	5.7	999	0.9	999	0.512	999	3.065	999	5.988	999	1660	59	1.5
9719.2	10000	38.6355	95.8237	-631	CULTRL	3.1	999	5.0	999	0.9	999	0.523	999	3.427	999	6.554	999	1675	44	1.4
9719.3	10000	38.6355	95.8229	-629	CULTRL	3.1	999	6.0	999	1.0	999	0.515	999	3.234	999	6.279	999	1692	54	1.4
9719.4	10000	38.6355	95.8220	-630	CULTRL	3.0	999	6.3	999	1.0	999	0.479	999	3.126	999	6.528	999	1700	52	1.4
9719.5	10000	38.6355	95.8212	-630	CULTRL	2.7	999	6.8	999	1.0	999	0.397	999	2.747	999	6.928	999	1728	48	1.4
9719.6	10000	38.6355	95.8203	-629	CULTRL	2.7	999	7.1	999	1.0	999	0.378	999	2.642	999	6.988	999	1755	50	1.4
9719.7	10000	38.6356	95.8195	-628	CULTRL	2.6	999	7.5	999	1.0	999	0.352	999	2.541	999	7.226	999	1787	50	1.4
9719.8	10000	38.6356	95.8186	-628	CULTRL	2.9	999	8.1	999	1.1	999	0.361	999	2.569	999	7.125	999	1833	45	1.4
9719.9	10000	38.6356	95.8177	-629	CULTRL	3.0	999	8.6	999	1.2	999	0.345	999	2.376	999	6.885	999	1890	48	1.4
9720.0	10000	38.6356	95.8169	-628	CULTRL	2.8	999	9.0	999	1.2	999	0.315	999	2.329	999	7.403	999	1936	48	1.4
9720.1	10000	38.6356	95.8160	-627	CULTRL	2.8	999	9.5	999	1.3	999	0.297	999	2.171	999	7.315	999	1978	51	1.3
9720.2	10000	38.6356	95.8152	-624	CULTRL	3.1	999	9.0	999	1.4	999	0.341	999	2.260	999	6.628	999	2009	53	1.3
9720.3	10000	38.6356	95.8143	-625	CULTRL	3.1	999	8.9	999	1.4	999	0.349	999	2.225	999	6.385	999	2048	48	1.3
9720.4	10000	38.6356	95.8135	-626	CULTRL	3.2	999	9.4	999	1.4	999	0.340	999	2.217	999	6.526	999	2068	52	1.3
9720.5	10000	38.6356	95.8126	-625	CULTRL	3.3	999	9.1	999	1.4	999	0.364	999	2.412	999	6.620	999	2062	64	1.3
9720.6	10000	38.6356	95.8118	-626	CULTRL	3.4	999	8.8	999	1.4	999	0.387	999	2.501	999	6.466	999	2061	52	1.3
9720.7	10000	38.6356	95.8109	-627	CULTRL	3.4	999	8.4	999	1.3	999	0.405	999	2.509	999	6.190	999	2047	51	1.3
9720.8	10000	38.6356	95.8101	-628	CULTRL	3.6	999	8.4	999	1.3	999	0.429	999	2.674	999	6.231	999	2040	47	1.3
9720.9	10000	38.6356	95.8092	-629	CULTRL	3.6	999	8.9	999	1.3	999	0.404	999	2.718	999	6.727	999	2034	49	1.3
9721.0	10000	38.6356	95.8084	-630	CULTRL	3.4	999	9.0	999	1.3	999	0.377	999	2.615	999	6.932	999	2012	54	1.2
9721.1	10000	38.6356	95.8075	-632	CULTRL	3.3	999	8.9	999	1.3	999	0.372	999	2.512	999	6.759	999	1994	43	1.2
9721.2	10000	38.6356	95.8067	-633	CULTRL	2.9	999	9.2	999	1.3	999	0.313	999	2.169	999	6.925	999	1959	52	1.2
9721.3	10000	38.6356	95.8058	-635	CULTRL	2.7	999	9.1	999	1.3	999	0.301	999	2.134	999	7.078	999	1940	45	1.2
9721.4	10000	38.6357	95.8049	-635	CULTRL	3.0	999	9.4	999	1.3	999	0.320	999	2.365	999	7.387	999	1939	47	1.2
9721.5	10000	38.6357	95.8041	-631	CULTRL	3.0	999	9.6	999	1.2	999	0.312	999	2.444	999	7.845	999	1943	59	1.2
9721.6	10000	38.6357	95.8032	-632	PW	2.8	0	9.7	0	1.3	0	0.293	0	2.276	0	7.772	0	1951	45	1.2
9721.7	10000	38.6357	95.8024	-637	PW	2.9	0	9.7	0	1.3	0	0.294	0	2.229	0	7.575	-1	1962	54	1.1
9721.8	10000	38.6357	95.8015	-640	PW	3.1	0	9.7	0	1.3	0	0.303	0	2.345	0	7.748	0	1965	53	1.1
9721.9	10000	38.6357	95.8007	-642	PW	3.1	0	9.7	0	1.3	0	0.337	0	2.524	0	7.497	-1	2001	63	1.1
9722.0	10000	38.6357	95.7998	-643	PW	3.2	0	9.7	0	1.3	0	0.330	0	2.489	0	7.538	-1	2009	46	1.1
9722.1	10000	38.6357	95.7990	-645	PW	3.2	0	9.7	0	1.3	0	0.345	0	2.402	0	6.968	-1	2026	42	1.1
9722.2	10000	38.6357	95.7981	-646	PW	3.2	0	9.7	0	1.3	0	0.354	0	2.350	0	6.643	-2	2036	55	1.1
9722.3	10000	38.6357	95.7973	-647	PW	3.2	0	9.7	0	1.3	0	0.335	0	2.329	0	6.591	-2	2038	43	1.1
9722.4	10000	38.6357	95.7964	-648	PW	3.2	0	9.7	0	1.3	0	0.358	0	2.412	0	6.746	-1	2050	52	1.1
9722.5	10000	38.6357	95.7956	-648	PW	3.2	0	9.7	0	1.3	0	0.332	0	2.373	0	7.072	-1	2070	54	1.1
9722.6	10000	38.6357	95.7947	-648	PW	3.2	0	9.7	0	1.3	0	0.330	0	2.421	0	7.274	-1	2079	55	1.1
9722.7	10000	38.6357	95.7939	-650	PW	3.2	0	9.7	0	1.3	0	0.349	0	2.529	0	7.626	-1	2089	50	1.1
9722.8	10000	38.6357	95.7930	-652	PW	3.2	0	9.7	0	1.3	0	0.336	0	2.597	0	7.864	-1	2088	55	1.1
9722.9	10000	38.6357	95.7922	-653	PW	3.2	0	9.7	0	1.3	0	0.337	0	2.617	0	7.807	-1	2083	56	1.1
9723.0	10000	38.6357	95.7913	-654	PW	3.2	0	9.7	0	1.3	0	0.336	0	2.658	0	7.911	-1	2081	46	1.1
9723.1	10000	38.6357	95.7905	-655	PW	3.2	0	9.7	0	1.3	0	0.337	0	2.702	0	8.022	-1	2068	40	1.1
9723.2	10000	38.6357	95.7896	-656	PW	3.2	0	9.7	0	1.3	0	0.337	0	2.650	0	7.898	-1	2047	46	1.1
9723.3	10000	38.6358	95.7887	-657	PW	3.2	0	9.7	0	1.3	0	0.337	0	2.579	0	7.744	-1	2041	37	1.1
9723.4	10000	38.6358	95.7879	-657	PW	3.2	0	9.7	0	1.3	0	0.337	0	2.559	0	7.777	-1	2032	43	1.1
9723.5	10000	38.6358	95.7870	-658	PW	3.2	0	9.7	0	1.3	0	0.337	0	2.552	0	7.560	-1	2007	57	1.1
9723.6	10000	38.6358	95.7862	-658	PW	3.2	0	9.7	0	1.3	0	0.337	0	2.552	0	7.568	-1	2005	50	1.1
9723.7	10000	38.6358	95.7853	-658	PW	3.2	0	9.7	0	1.3	0	0.337	0	2.552	0	7.568	-1	2011	47	1.1
9723.8	10000	38.6358	95.7845	-658	PW	3.2	0	9.7	0	1.3	0	0.337	0	2.552	0	7.568	-1	2015	49	1.1
9723.9	10000	38.6358	95.7836	-659	PW	3.2	0	9.7	0	1.3	0	0.337	0	2.552	0	7.568	-1	2015	49	1.1

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9724.0	10000	38.6358	95.7828	-659	PW	3.2	0	9.5	0	1.3	0	0.336	1	2.478	0	7.383	-1	2022	60	1.1
9724.1	10000	38.6358	95.7819	-659	PW	3.3	1	9.7	0	1.2	0	0.344	1	2.726	1	7.931	0	2024	48	1.1
9724.2	10000	38.6358	95.7811	-656	PW	3.2	1	9.7	0	1.2	0	0.335	1	2.735	1	8.156	0	2024	47	1.1
9724.4	10000	38.6358	95.7794	-656	PW	3.3	1	9.9	0	1.2	0	0.336	1	2.823	1	8.395	0	2044	46	1.1
9724.5	10000	38.6358	95.7785	-659	PW	3.1	0	10.0	0	1.2	0	0.313	1	2.674	0	8.535	0	2043	49	1.1
9724.6	10000	38.6358	95.7776	-659	PW	3.3	1	10.2	0	1.2	0	0.322	1	2.795	1	8.674	1	2045	45	1.1
9724.7	10000	38.6358	95.7768	-660	PW	3.1	0	10.4	0	1.2	0	0.301	1	2.635	0	8.765	1	2043	50	1.1
9724.8	10000	38.6358	95.7759	-660	PW	3.2	0	10.3	0	1.1	-1	0.312	1	2.817	1	9.023	1	2012	57	1.1
9724.9	10000	38.6358	95.7751	-660	PW	3.1	0	10.5	1	1.1	-1	0.299	1	2.799	1	9.355	1	2006	45	1.1
9725.0	10000	38.6358	95.7742	-660	PW	3.0	0	10.6	1	1.1	-1	0.275	-1	2.653	0	9.645	1	1999	48	1.1
9725.1	10000	38.6359	95.7734	-660	PW	3.0	0	10.4	1	1.1	-1	0.292	0	2.772	1	9.485	1	1972	51	1.1
9725.2	10000	38.6359	95.7725	-660	PW	3.1	0	9.9	0	1.1	-1	0.313	0	2.799	1	8.932	1	1969	46	1.1
9725.3	10000	38.6359	95.7717	-659	PW	3.1	0	9.6	0	1.1	-1	0.326	0	2.833	1	8.689	1	1949	63	1.1
9725.4	10000	38.6359	95.7708	-659	PW	2.9	0	9.7	0	1.1	-1	0.297	0	2.677	0	9.011	1	1954	45	1.1
9725.5	10000	38.6359	95.7700	-660	PW	3.2	1	9.7	0	1.1	-1	0.335	1	2.957	1	8.830	1	1979	51	1.1
9725.6	10000	38.6359	95.7691	-661	PW	3.3	1	9.2	1	1.1	-1	0.365	1	2.933	1	8.031	0	1988	46	1.1
9725.7	10000	38.6359	95.7683	-661	PW	3.2	1	9.3	1	1.2	0	0.349	1	2.736	1	7.847	0	1992	54	1.1
9725.8	10000	38.6359	95.7674	-661	PW	3.1	0	9.6	0	1.2	0	0.326	1	2.629	0	8.072	0	2019	57	1.1
9725.9	10000	38.6359	95.7666	-661	PW	3.2	1	9.9	0	1.2	0	0.323	1	2.771	1	8.572	0	2032	53	1.1
9726.0	10000	38.6359	95.7657	-660	PW	3.4	1	10.6	1	1.1	0	0.320	1	2.952	1	9.224	1	2049	44	1.2
9726.1	10000	38.6359	95.7648	-660	PW	3.5	1	10.4	1	1.2	0	0.342	1	2.962	1	8.671	1	2059	48	1.2
9726.2	10000	38.6359	95.7640	-660	PW	3.2	1	10.2	0	1.2	0	0.312	1	2.623	0	8.410	0	2051	47	1.2
9726.3	10000	38.6359	95.7631	-660	PW	3.2	1	10.4	0	1.2	0	0.309	1	2.674	0	8.681	1	2041	47	1.2
9726.4	10000	38.6359	95.7623	-659	PW	3.4	1	10.2	0	1.1	-1	0.333	1	2.965	1	8.908	1	2057	54	1.2
9726.5	10000	38.6359	95.7614	-658	PW	3.5	1	10.1	0	1.1	-1	0.347	1	3.120	1	8.994	1	2056	37	1.2
9726.6	10000	38.6359	95.7606	-658	PW	3.3	1	10.2	0	1.1	-1	0.324	1	3.087	1	9.535	1	2035	49	1.2
9726.7	10000	38.6359	95.7597	-658	PW	3.2	1	10.1	0	1.1	-1	0.313	1	2.938	1	9.380	1	2033	61	1.2
9726.8	10000	38.6360	95.7589	-659	PW	3.0	0	10.4	1	1.1	-1	0.289	1	2.827	1	9.780	2	2025	46	1.2
9726.9	10000	38.6360	95.7580	-658	PW	3.0	0	10.7	1	1.1	-1	0.284	1	2.861	1	10.091	2	2032	49	1.2
9727.0	10000	38.6360	95.7572	-658	PW	2.9	0	10.9	1	1.1	-1	0.271	-1	2.737	1	10.089	2	2037	57	1.2
9727.1	10000	38.6360	95.7563	-658	PW	3.0	0	10.6	1	1.1	-1	0.283	0	2.696	0	9.717	2	2039	41	1.2
9727.2	10000	38.6360	95.7555	-657	PW	3.0	0	10.8	1	1.1	-1	0.274	0	2.691	1	9.808	2	2053	58	1.2
9727.3	10000	38.6360	95.7546	-657	PW	3.0	0	10.9	1	1.1	-1	0.274	0	2.888	1	9.620	2	2066	52	1.2
9727.4	10000	38.6360	95.7538	-656	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2077	64	1.2
9727.5	10000	38.6360	95.7529	-656	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2073	41	1.2
9727.6	10000	38.6360	95.7521	-656	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2058	51	1.2
9727.7	10000	38.6360	95.7512	-657	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2072	44	1.2
9727.8	10000	38.6360	95.7504	-656	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2071	62	1.2
9727.9	10000	38.6360	95.7495	-656	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2072	47	1.2
9728.0	10000	38.6360	95.7486	-656	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2090	49	1.2
9728.1	10000	38.6360	95.7478	-656	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2084	43	1.2
9728.2	10000	38.6360	95.7469	-656	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2092	51	1.2
9728.3	10000	38.6360	95.7461	-656	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2114	58	1.2
9728.4	10000	38.6360	95.7452	-655	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2104	47	1.2
9728.5	10000	38.6360	95.7444	-655	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2091	55	1.2
9728.6	10000	38.6360	95.7436	-655	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2068	57	1.2
9728.7	10000	38.6360	95.7427	-655	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2055	54	1.2
9728.8	10000	38.6360	95.7419	-655	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2061	38	1.2
9728.9	10000	38.6360	95.7410	-655	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2041	44	1.2
9729.0	10000	38.6360	95.7402	-654	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2027	43	1.2
9729.1	10000	38.6360	95.7394	-654	PW	3.0	0	10.9	1	1.1	-1	0.275	0	2.888	1	9.644	2	2020	39	1.2
9729.2	10000	38.6360	95.7385	-654	PW	2.8	0	10.7	1	1.1	-1	0.262	0	2.745	1	9.517	2	2010	44	1.2

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9729.3	10000	38.6360	95.7377	-653	PW	2.7	0	10.0	0	1.3	0	0.275	-1	2.112	-1	7.669	0	2018	56	1.3
9729.4	10000	38.6360	95.7369	-653	PW	2.7	-1	9.8	0	1.3	0	0.272	-1	2.074	-1	7.632	-1	2002	62	1.3
9729.5	10000	38.6360	95.7360	-653	PW	2.7	-1	9.7	0	1.3	0	0.278	0	2.091	-1	7.529	-1	1986	53	1.3
9729.6	10000	38.6360	95.7352	-652	PW	2.9	0	9.4	0	1.3	0	0.310	0	2.320	0	7.491	-1	1977	52	1.3
9729.7	10000	38.6360	95.7343	-651	PW	2.9	0	9.3	-1	1.3	0	0.313	0	2.269	0	7.254	-1	1985	55	1.3
9729.8	10000	38.6360	95.7335	-651	PW	3.0	0	9.4	0	1.2	0	0.315	0	2.394	0	7.604	-1	1993	47	1.3
9729.9	10000	38.6360	95.7327	-650	PW	2.8	0	9.5	0	1.2	0	0.299	0	2.272	0	7.592	-1	2011	54	1.3
9730.0	10000	38.6360	95.7318	-650	PS	2.8	-1	9.4	0	1.2	0	0.301	0	2.339	-1	7.767	0	2018	35	1.4
9730.1	10000	38.6360	95.7310	-649	PS	3.0	0	9.6	0	1.2	0	0.311	0	2.460	0	7.897	0	2034	54	1.4
9730.2	10000	38.6360	95.7301	-649	PS	2.9	0	9.9	0	1.2	0	0.294	-1	2.376	-1	8.076	0	2051	51	1.4
9730.3	10000	38.6360	95.7293	-648	PS	2.8	-1	10.2	0	1.3	0	0.277	-1	2.253	-1	8.129	0	2062	53	1.4
9730.4	10000	38.6360	95.7285	-648	PS	2.9	0	9.9	0	1.3	0	0.294	-1	2.324	-1	7.913	0	2056	50	1.4
9730.5	10000	38.6360	95.7276	-647	PS	3.0	0	10.0	0	1.3	1	0.300	0	2.329	-1	7.773	0	2074	52	1.4
9730.6	10000	38.6360	95.7268	-646	PS	3.2	0	9.9	0	1.3	1	0.321	0	2.457	0	7.665	-1	2078	49	1.4
9730.7	10000	38.6360	95.7260	-646	PS	3.3	0	10.4	0	1.3	1	0.327	0	2.510	0	7.673	-1	2098	48	1.4
9730.8	10000	38.6360	95.7251	-645	PS	3.2	0	10.5	0	1.3	1	0.304	-1	2.411	-1	7.928	0	2103	54	1.4
9730.9	10000	38.6360	95.7243	-645	PS	3.2	0	10.5	0	1.3	1	0.306	-1	2.415	-1	7.888	0	2124	44	1.4
9731.0	10000	38.6360	95.7234	-644	PS	3.3	0	10.8	0	1.3	1	0.303	-1	2.410	-1	7.947	0	2159	49	1.4
9731.1	10000	38.6360	95.7226	-643	PS	3.4	0	11.0	0	1.3	1	0.308	0	2.600	0	8.451	0	2166	41	1.4
9731.2	10000	38.6360	95.7218	-642	PS	3.2	0	10.9	0	1.3	0	0.296	-1	2.555	0	8.638	0	2145	59	1.4
9731.3	10000	38.6360	95.7209	-641	PS	3.2	0	10.3	0	1.3	0	0.308	0	2.495	0	8.103	0	2112	44	1.4
9731.4	10000	38.6360	95.7201	-642	PS	3.3	0	9.8	0	1.2	0	0.336	0	2.684	0	7.981	0	2087	48	1.4
9731.5	10000	38.6360	95.7192	-642	PS	3.4	0	9.4	0	1.2	0	0.365	0	2.820	0	7.724	0	2074	46	1.4
9731.6	10000	38.6360	95.7184	-643	PS	3.3	0	9.4	0	1.2	0	0.358	0	2.776	0	7.750	0	2052	60	1.4
9731.7	10000	38.6360	95.7176	-641	PS	3.1	-1	9.3	0	1.2	0	0.362	0	2.702	0	7.471	-1	2033	47	1.4
9731.8	10000	38.6360	95.7167	-641	PS	3.0	0	9.3	0	1.2	0	0.337	-1	2.424	-1	7.185	-1	2030	54	1.4
9731.9	10000	38.6360	95.7159	-642	PS	3.2	0	9.4	0	1.3	1	0.344	0	2.481	0	7.207	-1	2042	51	1.4
9732.0	10000	38.6360	95.7151	-641	PS	3.5	0	9.5	0	1.3	1	0.368	0	2.642	0	7.126	0	2061	44	1.4
9732.1	10000	38.6360	95.7142	-641	PS	3.5	0	9.5	0	1.3	1	0.368	0	2.642	0	7.135	0	2082	64	1.4
9732.2	10000	38.6360	95.7134	-641	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.547	0	7.019	0	2092	50	1.4
9732.3	10000	38.6360	95.7125	-640	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.439	0	7.013	0	2089	49	1.4
9732.4	10000	38.6360	95.7117	-640	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.475	0	7.309	0	2074	62	1.4
9732.5	10000	38.6360	95.7109	-640	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.536	0	7.686	0	2074	49	1.4
9732.6	10000	38.6360	95.7100	-639	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.649	0	7.711	0	2076	56	1.4
9732.7	10000	38.6360	95.7092	-639	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.511	0	7.551	0	2084	54	1.4
9732.8	10000	38.6360	95.7083	-639	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.580	0	7.481	0	2069	39	1.4
9732.9	10000	38.6360	95.7075	-638	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.139	0	7.435	0	2067	51	1.4
9733.0	10000	38.6360	95.7067	-637	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.170	0	7.467	0	2060	60	1.4
9733.1	10000	38.6360	95.7058	-637	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.148	0	7.197	0	2078	45	1.4
9733.2	10000	38.6360	95.7050	-636	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.965	0	7.934	0	2069	39	1.4
9733.3	10000	38.6360	95.7041	-636	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.877	0	7.651	0	2078	44	1.4
9733.4	10000	38.6360	95.7033	-635	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.807	0	7.543	0	2082	43	1.4
9733.5	10000	38.6360	95.7025	-635	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.727	0	7.406	0	2093	52	1.4
9733.6	10000	38.6360	95.7016	-634	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.672	0	7.856	0	2073	43	1.4
9733.7	10000	38.6360	95.7008	-633	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.672	0	7.856	0	2071	44	1.4
9733.8	10000	38.6360	95.6999	-633	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.672	0	7.856	0	2062	47	1.4
9733.9	10000	38.6360	95.6991	-632	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.672	0	7.856	0	2066	43	1.4
9734.0	10000	38.6360	95.6983	-632	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.672	0	7.856	0	2038	57	1.4
9734.1	10000	38.6360	95.6974	-631	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.672	0	7.856	0	2016	46	1.4
9734.2	10000	38.6360	95.6966	-631	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.672	0	7.856	0	1998	64	1.4
9734.3	10000	38.6360	95.6957	-630	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.672	0	7.856	0	2002	37	1.4
9734.4	10000	38.6360	95.6949	-627	PS	3.4	0	9.5	0	1.3	1	0.358	0	2.672	0	7.856	0	1993	46	1.4

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9734.5	10000	38.6360	95.6941	-625	PS	3.1	0	10.0	0	1.0	-1	0.308	0	2.981	1	9.690	1	1974	57	1.4
9734.6	10000	38.6360	95.6932	-624	PS	3.2	0	10.3	1	1.0	-1	0.307	0	3.143	1	10.228	2	1966	48	1.4
9734.7	10000	38.6360	95.6924	-622	PS	3.2	0	10.3	1	1.0	-1	0.310	0	3.249	1	10.475	2	1971	36	1.4
9734.8	10000	38.6360	95.6916	-620	PS	3.2	0	10.9	1	1.0	-1	0.296	-1	3.177	1	10.747	2	1988	50	1.4
9734.9	10000	38.6360	95.6907	-618	PS	3.3	0	10.7	1	1.0	-1	0.308	0	3.257	1	10.587	2	1988	51	1.4
9735.0	10000	38.6360	95.6899	-616	PS	3.8	1	10.1	0	1.0	-1	0.373	1	3.669	2	9.834	1	1997	49	1.4
9735.1	10000	38.6360	95.6891	-614	PS	4.0	2	10.0	0	1.1	-1	0.403	1	3.782	2	9.374	1	2015	47	1.4
9735.2	10000	38.6360	95.6882	-612	PS	3.8	1	9.9	0	1.1	0	0.387	1	3.423	1	8.854	0	2029	43	1.4
9735.3	10000	38.6360	95.6874	-610	PS	3.9	1	9.1	-1	1.2	0	0.425	2	3.232	1	7.603	-1	2038	34	1.4
9735.4	10000	38.6360	95.6865	-607	PS	4.1	2	8.5	-1	1.2	0	0.483	3	3.460	2	7.159	-1	2024	51	1.4
9735.5	10000	38.6360	95.6857	-605	PS	4.3	2	7.9	-2	1.2	0	0.541	4	3.792	2	7.009	-1	1999	50	1.4
9735.6	10000	38.6360	95.6849	-602	PS	4.2	2	7.6	-2	1.2	0	0.549	4	3.590	2	6.534	-1	1996	57	1.4
9735.7	10000	38.6360	95.6840	-599	PS	4.3	2	7.3	-2	1.2	0	0.585	5	3.454	1	5.903	-2	2006	43	1.4
9735.8	10000	38.6360	95.6832	-595	PS	4.1	2	7.0	-2	1.2	0	0.577	4	3.278	1	5.683	-2	2009	40	1.4
9735.9	10000	38.6360	95.6823	-594	PS	3.9	2	7.1	-2	1.3	0	0.551	4	3.071	1	5.573	-2	2019	45	1.4
9736.0	10000	38.6360	95.6815	-593	PS	3.8	1	7.3	-2	1.2	0	0.515	3	3.079	1	5.979	-2	2013	57	1.4
9736.1	10000	38.6360	95.6806	-590	PS	3.7	1	8.2	-1	1.2	0	0.458	2	3.003	1	6.561	-1	2037	53	1.4
9736.2	10000	38.6360	95.6798	-588	PS	3.6	1	8.5	-1	1.3	0	0.420	1	2.781	0	6.620	-1	2068	26	1.3
9736.3	10000	38.6360	95.6790	-586	PS	3.4	1	9.1	0	1.3	0	0.371	1	2.606	0	7.019	-1	2092	47	1.3
9736.4	10000	38.6360	95.6781	-584	PS	3.5	1	9.3	0	1.3	0	0.371	1	2.644	0	7.126	-1	2100	38	1.3
9736.5	10000	38.6360	95.6773	-582	PS	3.4	1	9.6	0	1.3	0	0.360	1	2.696	0	7.485	-1	2094	60	1.3
9736.6	10000	38.6360	95.6764	-579	PS	3.7	1	9.3	0	1.3	0	0.396	1	2.909	0	7.339	-1	2086	56	1.3
9736.7	10000	38.6361	95.6756	-578	PS	3.8	1	9.7	0	1.3	0	0.390	1	2.870	0	7.368	-1	2100	60	1.3
9736.8	10000	38.6361	95.6748	-575	PS	3.6	1	9.5	0	1.3	0	0.378	1	2.766	0	7.311	-1	2098	57	1.3
9736.9	10000	38.6361	95.6739	-574	PS	3.5	1	9.5	0	1.3	0	0.362	1	2.635	0	7.274	-1	2090	39	1.3
9737.0	10000	38.6361	95.6731	-572	PS	3.6	1	9.2	0	1.3	0	0.396	1	2.792	0	7.043	-1	2091	36	1.3
9737.1	10000	38.6361	95.6722	-571	PS	3.2	1	9.3	0	1.3	0	0.341	1	2.574	0	7.540	-1	2089	58	1.3
9737.2	10000	38.6361	95.6714	-570	PS	3.4	1	9.6	0	1.3	0	0.350	0	2.711	0	7.751	0	2098	43	1.3
9737.3	10000	38.6361	95.6705	-569	PS	3.4	1	10.0	1	1.3	0	0.345	0	2.759	0	8.000	0	2113	60	1.3
9737.4	10000	38.6361	95.6697	-568	PS	3.3	1	10.1	1	1.3	0	0.319	0	2.584	0	8.109	0	2108	55	1.3
9737.5	10000	38.6361	95.6689	-568	PS	3.4	1	10.2	1	1.3	0	0.306	0	2.580	0	8.277	0	2112	55	1.3
9737.6	10000	38.6361	95.6680	-567	PS	3.4	1	10.3	1	1.3	0	0.314	0	2.576	0	8.214	0	2088	52	1.3
9737.7	10000	38.6361	95.6672	-567	PS	3.4	1	10.3	1	1.3	0	0.326	0	2.576	0	8.214	0	2089	48	1.3
9737.8	10000	38.6361	95.6663	-567	PS	3.4	1	10.3	1	1.3	0	0.347	0	2.576	0	8.214	0	2091	44	1.3
9737.9	10000	38.6361	95.6655	-567	PS	3.4	1	10.3	1	1.3	0	0.323	0	2.576	0	8.214	0	2100	46	1.3
9738.0	10000	38.6361	95.6647	-567	PS	3.4	1	10.3	1	1.3	0	0.284	0	2.576	0	8.214	0	2105	58	1.3
9738.1	10000	38.6361	95.6638	-568	PS	3.4	1	10.3	1	1.3	0	0.319	0	2.576	0	8.214	0	2115	57	1.3
9738.2	10000	38.6362	95.6630	-568	PS	3.4	1	10.3	1	1.3	0	0.320	0	2.576	0	8.214	0	2134	45	1.3
9738.3	10000	38.6362	95.6621	-568	PS	3.4	1	10.3	1	1.3	0	0.305	0	2.576	0	8.214	0	2143	55	1.3
9738.4	10000	38.6362	95.6613	-569	PS	3.4	1	10.3	1	1.3	0	0.316	0	2.576	0	8.214	0	2154	48	1.3
9738.5	10000	38.6362	95.6604	-569	PS	3.4	1	10.3	1	1.3	0	0.330	0	2.576	0	8.214	0	2120	48	1.3
9738.6	10000	38.6362	95.6596	-570	PS	3.4	1	10.3	1	1.3	0	0.339	0	2.576	0	8.214	0	2091	47	1.3
9738.7	10000	38.6362	95.6588	-570	PS	3.4	1	10.3	1	1.3	0	0.346	0	2.576	0	8.214	0	2054	42	1.3
9738.8	10000	38.6362	95.6579	-571	PS	3.4	1	10.3	1	1.3	0	0.354	0	2.576	0	8.214	0	2034	49	1.3
9738.9	10000	38.6362	95.6571	-571	PS	3.4	1	10.3	1	1.3	0	0.337	0	2.576	0	8.214	0	2018	56	1.3
9739.0	10000	38.6362	95.6562	-571	PS	3.4	1	10.3	1	1.3	0	0.326	0	2.576	0	8.214	0	1994	57	1.3
9739.1	10000	38.6362	95.6554	-570	PS	3.4	1	10.3	1	1.3	0	0.324	0	2.576	0	8.214	0	1969	49	1.3
9739.2	10000	38.6362	95.6546	-572	PS	3.4	1	10.3	1	1.3	0	0.326	0	2.576	0	8.214	0	1965	55	1.3
9739.3	10000	38.6362	95.6537	-572	PS	3.4	1	10.3	1	1.3	0	0.326	0	2.576	0	8.214	0	1975	47	1.3
9739.4	10000	38.6362	95.6529	-572	PS	3.4	1	10.3	1	1.3	0	0.326	0	2.576	0	8.214	0	1990	39	1.3
9739.5	10000	38.6362	95.6520	-572	PS	3.4	1	10.3	1	1.3	0	0.326	0	2.576	0	8.214	0	1995	42	1.3
9739.6	10000	38.6362	95.6512	-572	PS	3.4	1	10.3	1	1.3	0	0.326	0	2.576	0	8.214	0	1990	42	1.3

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9739.7	10000	38.6362	95.6503	-572	PS	3.2	0	9.0	-1	1.2	0	0.354	0	2.711	0	7.649	-1	1977	42	1.3
9739.8	10000	38.6363	95.6495	-571	PS	3.3	0	8.9	-1	1.2	0	0.377	1	2.689	0	7.139	-1	1975	48	1.3
9739.9	10000	38.6363	95.6487	-571	PS	3.4	1	8.9	-1	1.2	0	0.381	1	2.776	0	7.286	-1	1988	42	1.3
9740.0	10000	38.6363	95.6478	-571	PS	3.6	1	9.1	0	1.2	0	0.397	1	2.911	0	7.332	-1	2004	60	1.3
9740.1	10000	38.6363	95.6470	-570	PS	3.7	1	9.2	0	1.2	0	0.401	1	2.960	1	7.377	-1	2024	48	1.3
9740.2	10000	38.6363	95.6461	-569	PS	3.6	1	9.0	-1	1.3	1	0.399	1	2.756	0	6.901	-1	2041	47	1.3
9740.3	10000	38.6363	95.6453	-569	PS	3.6	1	9.2	0	1.3	1	0.390	1	2.678	0	6.864	-1	2043	51	1.3
9740.4	10000	38.6363	95.6445	-568	PS	3.2	1	9.3	0	1.3	1	0.344	0	2.392	-1	6.953	-1	2061	41	1.3
9740.5	10000	38.6363	95.6436	-567	PS	3.1	0	9.7	0	1.3	1	0.317	0	2.354	-1	7.422	-1	2078	50	1.3
9740.6	10000	38.6363	95.6428	-565	PS	3.0	0	10.0	0	1.3	1	0.299	0	2.246	-1	7.504	-1	2087	48	1.3
9740.7	10000	38.6363	95.6419	-564	PS	3.0	0	10.0	0	1.3	1	0.297	-1	2.243	-1	7.562	-1	2091	48	1.3
9740.8	10000	38.6363	95.6411	-562	PS	3.4	1	9.8	0	1.4	1	0.346	0	2.491	0	7.193	-1	2102	55	1.3
9740.9	10000	38.6363	95.6402	-561	PS	3.4	1	10.1	0	1.3	1	0.333	0	2.548	0	7.642	-1	2096	58	1.3
9741.0	10000	38.6363	95.6394	-558	PS	3.4	1	9.9	0	1.3	1	0.339	0	2.658	0	7.834	0	2099	62	1.3
9741.1	10000	38.6363	95.6386	-556	PS	3.5	1	10.4	0	1.3	1	0.341	0	2.771	0	8.120	0	2104	58	1.3
9741.2	10000	38.6363	95.6377	-554	PS	3.5	1	9.8	0	1.3	1	0.359	1	2.830	0	7.879	0	2099	59	1.3
9741.3	10000	38.6363	95.6369	-552	PS	3.5	1	10.0	0	1.3	1	0.354	0	2.815	0	7.959	0	2108	54	1.3
9741.4	10000	38.6364	95.6360	-549	PS	3.4	1	9.9	0	1.3	1	0.345	0	2.745	0	7.964	0	2091	55	1.3
9741.5	10000	38.6364	95.6352	-546	PS	2.9	1	10.1	0	1.3	1	0.290	-1	2.359	-1	8.147	0	2090	49	1.3
9741.6	10000	38.6364	95.6344	-544	PS	3.0	1	10.0	0	1.3	1	0.301	0	2.495	0	8.291	0	2087	51	1.3
9741.7	10000	38.6364	95.6335	-542	PS	2.9	1	10.3	0	1.3	1	0.296	-1	2.500	0	8.431	0	2086	46	1.3
9741.8	10000	38.6364	95.6327	-540	PS	2.8	1	10.0	0	1.3	1	0.295	-1	2.436	-1	8.248	0	2070	46	1.3
9741.9	10000	38.6364	95.6318	-537	PS	2.8	1	10.1	0	1.3	1	0.278	-1	2.247	-1	8.093	0	2070	47	1.3
9742.0	10000	38.6364	95.6310	-535	PS	2.8	1	10.1	0	1.3	1	0.280	-1	2.320	-1	8.282	0	2051	39	1.3
9742.1	10000	38.6364	95.6301	-533	PS	2.8	1	10.1	0	1.3	1	0.302	0	2.530	0	8.374	0	2054	46	1.3
9742.2	10000	38.6364	95.6293	-530	PS	2.8	1	10.0	0	1.3	1	0.319	0	2.661	0	8.340	0	2043	60	1.3
9742.3	10000	38.6364	95.6285	-528	PS	2.8	1	9.9	0	1.3	1	0.316	0	2.654	0	8.392	0	2042	51	1.3
9742.4	10000	38.6364	95.6276	-527	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.703	0	7.836	0	2043	55	1.3
9742.5	10000	38.6364	95.6268	-524	PS	2.8	1	9.9	0	1.3	1	0.340	0	2.622	0	7.710	0	2056	61	1.3
9742.6	10000	38.6364	95.6259	-524	PS	2.8	1	9.9	0	1.3	1	0.339	0	2.651	0	7.829	0	2048	51	1.3
9742.7	10000	38.6364	95.6251	-522	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9742.8	10000	38.6364	95.6243	-521	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9742.9	10000	38.6365	95.6234	-520	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9743.0	10000	38.6365	95.6226	-520	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9743.1	10000	38.6365	95.6217	-520	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9743.2	10000	38.6365	95.6209	-521	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9743.3	10000	38.6365	95.6200	-521	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9743.4	10000	38.6365	95.6192	-522	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9743.5	10000	38.6365	95.6184	-523	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9743.6	10000	38.6365	95.6175	-524	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9743.7	10000	38.6365	95.6167	-525	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9743.8	10000	38.6365	95.6158	-527	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9743.9	10000	38.6365	95.6150	-528	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9744.0	10000	38.6365	95.6142	-530	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9744.1	10000	38.6365	95.6133	-531	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9744.2	10000	38.6365	95.6125	-532	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9744.3	10000	38.6365	95.6116	-533	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9744.4	10000	38.6365	95.6108	-534	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9744.5	10000	38.6366	95.6099	-535	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9744.6	10000	38.6366	95.6091	-535	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9744.7	10000	38.6366	95.6083	-535	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3
9744.8	10000	38.6366	95.6074	-535	PS	2.8	1	9.9	0	1.3	1	0.345	0	2.636	0	7.639	0	2042	42	1.3

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9744.9	10000	38.6366	95.6066	-535	PS	3.2	0	9.2	0	1.2	0	0.351	0	2.597	0	7.406	-1	2055	66	1.2
9745.0	10000	38.6366	95.6057	-535	PS	3.2	0	9.0	-1	1.3	0	0.351	0	2.500	0	7.115	-1	2063	54	1.2
9745.1	10000	38.6366	95.6049	-533	PS	3.2	0	9.4	0	1.2	0	0.345	0	2.668	0	7.742	0	2052	49	1.2
9745.2	10000	38.6366	95.6040	-533	PS	3.5	0	9.6	0	1.2	0	0.365	1	2.902	0	7.940	0	2038	43	1.2
9745.3	10000	38.6366	95.6032	-531	PS	3.4	0	9.4	0	1.2	0	0.359	1	2.844	0	7.918	0	2021	45	1.2
9745.4	10000	38.6366	95.6024	-530	PS	3.2	0	8.7	-1	1.1	0	0.373	1	2.832	0	7.599	-1	1979	44	1.2
9745.5	10000	38.6366	95.6015	-528	PS	3.2	0	9.0	-1	1.1	0	0.350	0	2.802	0	7.999	0	1966	63	1.2
9745.6	10000	38.6366	95.6007	-525	PS	3.0	0	9.2	0	1.1	0	0.332	0	2.717	0	8.197	0	1960	49	1.2
9745.7	10000	38.6366	95.5998	-524	PS	3.1	0	9.3	0	1.1	0	0.336	0	2.739	0	8.161	0	1956	52	1.2
9745.8	10000	38.6366	95.5990	-525	PS	3.2	0	9.1	0	1.2	0	0.350	0	2.757	0	7.886	0	1949	54	1.2
9745.9	10000	38.6366	95.5982	-525	PS	3.0	0	8.9	-1	1.2	0	0.333	0	2.483	0	7.445	-1	1946	39	1.2
9746.0	10000	38.6366	95.5973	-522	PS	3.0	0	9.0	-1	1.2	0	0.337	0	2.584	0	7.671	-1	1939	43	1.2
9746.1	10000	38.6366	95.5965	-518	PS	3.1	0	9.2	0	1.2	0	0.334	0	2.605	0	7.797	0	1944	64	1.2
9746.2	10000	38.6367	95.5956	-517	PS	3.2	0	9.0	-1	1.2	0	0.354	0	2.703	0	7.627	-1	1953	46	1.2
9746.3	10000	38.6367	95.5948	-519	PS	3.3	0	9.2	0	1.2	0	0.362	1	2.793	0	7.719	0	1969	41	1.2
9746.4	10000	38.6367	95.5939	-518	PS	3.2	0	9.1	0	1.2	0	0.350	0	2.723	0	7.770	0	1981	50	1.2
9746.5	10000	38.6367	95.5931	-518	PS	3.3	0	9.3	0	1.2	0	0.356	1	2.715	0	7.623	-1	1998	54	1.2
9746.6	10000	38.6367	95.5923	-516	PS	3.4	0	9.5	0	1.2	0	0.359	1	2.767	0	7.713	0	2007	49	1.2
9746.7	10000	38.6367	95.5914	-514	PS	3.3	0	9.3	0	1.2	0	0.351	0	2.673	0	7.610	-1	2003	57	1.2
9746.8	10000	38.6367	95.5906	-513	PS	3.2	0	9.5	0	1.2	0	0.337	0	2.591	0	7.695	0	2008	52	1.2
9746.9	10000	38.6367	95.5897	-511	PS	3.4	0	9.8	0	1.2	0	0.343	0	2.724	0	7.953	0	2022	42	1.2
9747.0	10000	38.6367	95.5889	-510	PS	3.3	0	9.6	0	1.2	0	0.344	0	2.714	0	7.896	0	2035	58	1.2
9747.1	10000	38.6367	95.5881	-508	PS	3.4	0	9.6	0	1.2	0	0.358	1	2.777	0	7.746	0	2033	64	1.2
9747.2	10000	38.6367	95.5872	-506	PS	3.4	0	9.4	0	1.2	0	0.361	1	2.883	0	7.988	0	2027	53	1.2
9747.3	10000	38.6367	95.5864	-504	PS	3.2	0	9.6	0	1.2	0	0.331	0	2.720	0	8.223	0	2026	42	1.2
9747.4	10000	38.6367	95.5855	-501	PS	3.3	0	9.8	0	1.2	0	0.335	0	2.595	0	7.740	0	2032	41	1.2
9747.5	10000	38.6367	95.5847	-498	PS	3.2	0	9.6	0	1.2	0	0.333	0	2.654	0	7.520	0	2043	45	1.2
9747.6	10000	38.6367	95.5838	-495	PS	3.2	0	9.6	0	1.2	0	0.347	0	2.635	0	7.594	-1	2029	56	1.2
9747.7	10000	38.6367	95.5830	-491	PS	3.2	0	9.6	0	1.2	0	0.315	0	2.435	0	7.734	0	2019	53	1.2
9747.8	10000	38.6367	95.5822	-488	PS	3.2	0	9.6	0	1.2	0	0.312	0	2.406	0	7.723	0	2029	50	1.2
9747.9	10000	38.6368	95.5813	-485	PS	3.2	0	9.6	0	1.2	0	0.286	0	2.237	0	7.820	0	2041	43	1.2
9748.0	10000	38.6368	95.5805	-481	PS	3.2	0	9.6	0	1.2	0	0.317	0	2.344	0	7.401	-1	2058	47	1.2
9748.1	10000	38.6368	95.5797	-478	PS	3.2	0	9.6	0	1.2	0	0.319	0	2.434	0	7.641	-1	2063	65	1.2
9748.2	10000	38.6368	95.5789	-474	PS	3.2	0	9.6	0	1.2	0	0.311	0	2.339	0	7.530	-1	2074	51	1.2
9748.3	10000	38.6368	95.5781	-470	PS	3.2	0	9.6	0	1.2	0	0.288	0	2.078	0	7.209	-1	2079	60	1.2
9748.4	10000	38.6368	95.5772	-466	PS	3.2	0	9.6	0	1.2	0	0.295	0	2.108	0	7.147	-1	2078	49	1.2
9748.5	10000	38.6368	95.5764	-461	PS	3.2	0	9.6	0	1.2	0	0.288	0	2.094	0	6.934	-1	2066	46	1.2
9748.6	10000	38.6368	95.5756	-457	PS	3.2	0	9.6	0	1.2	0	0.316	0	2.090	0	6.622	-1	2041	49	1.2
9748.7	10000	38.6368	95.5748	-453	PS	3.2	0	9.6	0	1.2	0	0.311	0	2.136	0	6.720	-1	1997	61	1.2
9748.8	10000	38.6368	95.5740	-449	PS	3.2	0	9.6	0	1.2	0	0.323	0	2.274	0	6.611	-1	1961	67	1.2
9748.9	10000	38.6368	95.5732	-445	PS	3.2	0	9.6	0	1.2	0	0.347	0	2.571	0	6.549	-1	1908	56	1.2
9749.0	10000	38.6369	95.5723	-438	PS	3.2	0	9.6	0	1.2	0	0.396	0	2.617	0	6.497	-1	1863	55	1.2
9749.1	10000	38.6369	95.5715	-431	PS	3.2	0	9.6	0	1.2	0	0.442	0	2.638	0	6.916	-2	1820	50	1.2
9749.2	10000	38.6369	95.5707	-427	PS	3.2	0	9.6	0	1.2	0	0.449	0	2.502	0	5.878	-2	1779	42	1.2
9749.3	10000	38.6369	95.5699	-424	PS	3.2	0	9.6	0	1.2	0	0.426	0	2.412	0	5.864	-2	1765	26	1.2
9749.4	10000	38.6369	95.5690	-420	PS	3.2	0	9.6	0	1.2	0	0.397	0	2.475	0	6.110	-2	1779	40	1.2
9749.5	10000	38.6369	95.5682	-415	PS	3.2	0	9.6	0	1.2	0	0.385	0	2.506	0	6.234	-2	1785	48	1.2
9749.6	10000	38.6369	95.5674	-411	PS	3.2	0	9.6	0	1.2	0	0.348	0	2.335	0	6.516	-1	1800	54	1.2
9749.7	10000	38.6369	95.5666	-407	PS	3.2	0	9.6	0	1.2	0	0.334	0	2.294	0	6.419	-1	1823	54	1.2
9749.8	10000	38.6369	95.5658	-405	PS	3.2	0	9.6	0	1.2	0	0.358	0	2.506	0	6.866	-1	1839	40	1.2
9749.9	10000	38.6369	95.5650	-402	PS	3.2	0	9.6	0	1.2	0	0.361	0	2.448	0	6.996	-1	1849	55	1.2
9750.0	10000	38.6370	95.5641	-400	PS	3.2	0	9.6	0	1.2	0	0.361	0	2.448	0	6.776	-1	1835	51	1.2

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9750.1	10000	38.6370	95.5633	-398	PS	3.0	0	7.8	-2	1.2	0	0.382	1	2.570	0	6.731	-1	1799	49	1.2
9750.2	10000	38.6370	95.5625	-397	PS	2.9	0	7.8	-2	1.1	0	0.374	1	2.601	0	6.948	-1	1776	56	1.2
9750.3	10000	38.6370	95.5617	-395	PS	2.7	-1	7.6	-2	1.2	0	0.349	0	2.305	-1	6.596	-1	1768	40	1.2
9750.4	10000	38.6370	95.5609	-394	PS	2.7	-1	7.8	-2	1.1	0	0.349	0	2.367	-1	6.775	-1	1763	39	1.2
9750.5	10000	38.6370	95.5600	-393	PS	2.6	-1	7.7	-2	1.2	0	0.340	0	2.271	-1	6.678	-1	1779	51	1.2
9750.6	10000	38.6370	95.5592	-393	PS	2.6	-1	8.1	-1	1.2	0	0.324	0	2.159	-1	6.675	-1	1811	57	1.2
9750.7	10000	38.6370	95.5584	-393	QAL	2.7	-1	8.3	-1	1.2	0	0.320	0	2.152	-1	6.718	-1	1843	52	1.2
9750.8	10000	38.6370	95.5576	-393	QAL	2.5	-1	8.8	0	1.3	0	0.288	-1	1.967	-1	6.825	-1	1878	58	1.2
9750.9	10000	38.6370	95.5568	-393	QAL	2.5	-1	8.8	0	1.3	0	0.281	-1	1.913	-1	6.800	-1	1916	56	1.2
9751.0	10000	38.6370	95.5559	-392	QAL	2.7	-1	9.1	0	1.3	0	0.291	-1	2.087	-1	7.168	0	1929	43	1.2
9751.1	10000	38.6371	95.5551	-391	QAL	2.8	-1	9.0	0	1.2	0	0.310	0	2.242	0	7.237	0	1940	48	1.2
9751.2	10000	38.6371	95.5543	-391	QAL	3.0	0	9.0	0	1.2	0	0.333	0	2.392	0	7.190	0	1944	60	1.2
9751.3	10000	38.6371	95.5535	-390	QAL	2.9	0	9.1	0	1.2	0	0.323	0	2.397	0	7.430	0	1947	51	1.2
9751.4	10000	38.6371	95.5527	-389	QAL	3.1	0	9.1	0	1.2	0	0.337	0	2.506	0	7.439	0	1959	47	1.2
9751.5	10000	38.6371	95.5518	-387	QAL	3.4	1	9.0	0	1.2	0	0.375	1	2.776	0	7.413	0	1969	54	1.2
9751.6	10000	38.6371	95.5510	-385	QAL	3.4	1	8.9	0	1.3	0	0.380	1	2.662	0	7.000	0	1982	42	1.2
9751.7	10000	38.6371	95.5502	-382	QAL	3.4	1	9.2	0	1.3	0	0.365	0	2.549	0	6.980	0	2010	53	1.2
9751.8	10000	38.6371	95.5494	-380	QAL	3.2	0	9.5	0	1.3	0	0.339	0	2.405	0	7.088	0	2028	50	1.2
9751.9	10000	38.6371	95.5486	-377	QAL	3.0	0	10.1	1	1.3	0	0.297	-1	2.225	0	7.499	0	2037	44	1.3
9752.0	10000	38.6371	95.5477	-374	QAL	3.0	0	10.0	1	1.3	0	0.304	0	2.316	0	7.622	0	2018	47	1.3
9752.1	10000	38.6371	95.5469	-371	QAL	2.9	0	10.2	1	1.3	0	0.285	-1	2.227	0	7.801	0	2006	56	1.3
9752.2	10000	38.6372	95.5461	-366	QAL	2.7	-1	10.2	1	1.3	0	0.265	-1	2.080	-1	7.862	0	1992	49	1.3
9752.3	10000	38.6372	95.5453	-363	QAL	2.6	-1	10.3	1	1.3	0	0.248	-1	1.991	-1	8.033	0	1981	53	1.3
9752.4	10000	38.6372	95.5445	-358	QAL	2.6	-1	9.9	1	1.3	0	0.264	-1	1.952	-1	7.386	0	1978	58	1.3
9752.5	10000	38.6372	95.5437	-354	QAL	2.6	-1	9.8	0	1.4	0	0.269	-1	1.917	-1	7.118	0	1994	47	1.3
9752.6	10000	38.6372	95.5428	-349	QAL	2.6	-1	9.5	1	1.5	1	0.270	-1	1.767	-1	6.550	-1	2022	46	1.3
9752.7	10000	38.6372	95.5420	-344	QAL	2.6	-1	9.9	0	1.5	0	0.245	-1	1.530	-2	6.245	-1	2049	44	1.3
9752.8	10000	38.6372	95.5412	-339	QAL	2.6	-1	9.9	0	1.5	0	0.265	-1	1.608	-1	6.061	-1	2062	41	1.3
9752.9	10000	38.6372	95.5404	-334	QAL	2.6	-1	9.9	0	1.5	0	0.291	-1	1.702	-1	5.844	-1	2062	37	1.3
9753.0	10000	38.6372	95.5396	-328	QAL	2.6	-1	9.8	0	1.4	0	0.283	-1	1.724	-1	6.089	-1	2048	49	1.3
9753.1	10000	38.6372	95.5387	-323	QAL	2.5	-1	9.8	0	1.3	0	0.283	-1	1.800	-1	6.353	-1	2018	36	1.3
9753.2	10000	38.6372	95.5379	-318	QAL	2.5	-1	9.5	0	1.3	0	0.297	-1	1.944	-1	6.542	-1	1989	53	1.3
9753.3	10000	38.6373	95.5371	-312	QAL	2.4	-1	9.2	0	1.3	0	0.350	0	2.275	-1	6.502	-1	1956	50	1.3
9753.4	10000	38.6373	95.5363	-307	QAL	2.2	-1	9.0	0	1.3	0	0.383	0	2.541	-1	6.630	-1	1944	41	1.3
9753.5	10000	38.6373	95.5355	-301	QAL	2.2	-1	9.0	0	1.3	0	0.379	0	2.430	-1	6.411	-1	1929	60	1.3
9753.6	10000	38.6373	95.5347	-295	QAL	2.1	-1	8.8	0	1.3	0	0.380	0	2.469	-1	6.501	-1	1921	52	1.3
9753.7	10000	38.6373	95.5338	-290	QAL	2.1	-1	8.8	0	1.3	0	0.427	0	2.706	-1	6.335	-1	1921	47	1.3
9753.8	10000	38.6373	95.5330	-284	QAL	2.0	-1	8.8	0	1.3	0	0.435	0	2.709	-1	6.225	-1	1932	56	1.3
9753.9	10000	38.6373	95.5322	-279	QAL	2.0	-1	8.8	0	1.3	0	0.438	0	2.788	-1	6.362	-1	1914	56	1.3
9754.0	10000	38.6373	95.5314	-273	PS	2.0	-1	8.8	0	1.2	0	0.377	0	2.657	-1	7.046	-1	1897	42	1.3
9754.1	10000	38.6373	95.5305	-267	PS	2.0	-1	8.8	0	1.2	0	0.369	1	2.761	-1	7.473	-1	1870	58	1.3
9754.2	10000	38.6373	95.5297	-262	PS	2.0	-1	8.8	0	1.2	0	0.331	0	2.767	-1	8.363	-1	1879	44	1.3
9754.3	10000	38.6373	95.5289	-255	PS	2.0	-1	8.8	0	1.2	0	0.332	0	2.837	-1	8.546	-1	1925	44	1.3
9754.4	10000	38.6373	95.5281	-249	PS	2.0	-1	8.8	0	1.2	0	0.316	0	2.648	-1	8.389	-1	1961	42	1.3
9754.5	10000	38.6374	95.5273	-243	PS	2.0	-1	8.8	0	1.2	0	0.288	0	2.607	-1	9.217	-1	1943	53	1.3
9754.6	10000	38.6374	95.5265	-236	PS	2.0	-1	8.8	0	1.2	0	0.270	0	2.518	-1	9.578	-1	1915	46	1.3
9754.7	10000	38.6374	95.5256	-229	PS	2.0	-1	8.8	0	1.2	0	0.287	0	2.350	-1	8.202	-1	1893	52	1.3
9754.8	10000	38.6374	95.5248	-222	PS	2.0	-1	8.8	0	1.2	0	0.282	0	2.277	-1	8.070	-1	1903	52	1.3
9754.9	10000	38.6374	95.5240	-212	PS	2.0	-1	8.8	0	1.2	0	0.306	0	2.397	-1	7.862	-1	1908	47	1.3
9755.0	10000	38.6374	95.5232	-202	PS	2.0	-1	8.8	0	1.2	0	0.291	0	2.327	-1	7.601	-1	1882	56	1.3
9755.1	10000	38.6374	95.5224	-201	PS	2.0	-1	8.8	0	1.2	0	0.311	0	2.238	-1	7.701	-1	1862	56	1.3
9755.2	10000	38.6374	95.5215	-196	PS	2.0	-1	8.8	0	1.2	0	0.311	0	2.242	-1	7.199	-1	1886	61	1.3

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9755.3	10000	38.6374	95.5207	-190	PS	2.7	-1	9.5	0	1.3	0	0.288	-1	2.157	-1	7.495	-1	1950	50	1.3
9755.4	10000	38.6374	95.5199	-181	PS	2.8	-1	9.8	0	1.3	0	0.287	-1	2.211	-1	7.692	0	1998	50	1.3
9755.5	10000	38.6374	95.5191	-176	PS	2.8	-1	9.6	0	1.3	0	0.295	-1	2.255	-1	7.644	-1	2019	51	1.3
9755.6	10000	38.6374	95.5183	-169	PS	3.0	0	9.4	0	1.3	1	0.315	0	2.315	-1	7.352	-1	2012	44	1.3
9755.7	10000	38.6375	95.5174	-162	PS	3.3	0	9.5	0	1.2	0	0.342	0	2.627	0	7.678	-1	2021	48	1.3
9755.8	10000	38.6375	95.5166	-156	PS	3.5	1	9.3	0	1.2	0	0.382	1	2.922	0	7.651	-1	2020	48	1.3
9755.9	10000	38.6375	95.5158	-149	PS	3.4	1	9.5	0	1.2	0	0.361	1	2.850	0	7.895	0	2023	59	1.3
9756.0	10000	38.6375	95.5150	-142	PS	3.3	0	9.6	0	1.2	0	0.348	0	2.884	0	8.275	0	2013	39	1.3
9756.1	10000	38.6375	95.5142	-135	PS	3.3	0	9.6	0	1.2	0	0.340	0	2.753	0	8.095	0	2002	47	1.3
9756.2	10000	38.6375	95.5134	-129	PS	3.2	0	9.4	0	1.2	0	0.338	0	2.702	0	7.999	0	1996	49	1.3
9756.3	10000	38.6375	95.5125	-122	PS	3.0	0	9.6	0	1.2	0	0.315	0	2.597	0	8.233	0	1995	42	1.3
9756.4	10000	38.6375	95.5117	-115	PS	2.6	-1	9.9	0	1.2	0	0.259	-1	2.152	-1	8.321	0	1999	40	1.3
9756.5	10000	38.6375	95.5109	-108	PS	2.5	-1	10.2	0	1.2	0	0.241	-2	1.994	-1	8.274	0	2034	44	1.3
9756.6	10000	38.6375	95.5101	-101	PS	2.7	-1	10.3	0	1.2	0	0.266	-1	2.216	-1	8.339	0	2047	44	1.3
9756.7	10000	38.6375	95.5092	-95	PS	3.1	0	10.2	0	1.2	0	0.303	0	2.494	0	8.221	0	2045	55	1.3
9756.8	10000	38.6376	95.5084	-88	PS	3.1	0	9.9	0	1.2	0	0.314	0	2.561	0	8.154	0	2024	56	1.3
9756.9	10000	38.6376	95.5076	-81	PS	3.2	0	9.9	0	1.2	0	0.319	0	2.648	0	8.301	0	2005	46	1.3
9757.0	10000	38.6376	95.5068	-74	PS	3.2	0	10.2	0	1.2	0	0.318	0	2.703	0	8.511	0	1999	49	1.3
9757.1	10000	38.6376	95.5060	-67	PS	3.2	0	9.9	0	1.2	0	0.32	0	2.770	0	8.576	0	1986	48	1.3
9757.2	10000	38.6376	95.5052	-61	PS	3.0	0	10.0	0	1.1	0	0.304	0	2.683	0	8.837	0	1951	53	1.3
9757.3	10000	38.6376	95.5043	-55	PS	2.8	-1	10.1	0	1.1	0	0.279	-1	2.547	0	9.135	1	1951	45	1.3
9757.4	10000	38.6376	95.5035	-47	PS	2.9	-1	10.0	0	1.1	0	0.286	-1	2.618	0	9.145	1	1966	36	1.3
9757.5	10000	38.6376	95.5027	-39	PS	2.7	-1	10.2	0	1.1	0	0.268	-1	2.475	0	9.229	1	1991	40	1.3
9757.6	10000	38.6376	95.5019	-34	PS	2.5	-1	11.0	1	1.2	0	0.233	-2	2.185	-1	9.393	1	1994	48	1.3
9757.7	10000	38.6376	95.5011	-28	PS	2.2	-2	10.6	1	1.1	0	0.210	-2	1.954	-1	9.299	1	1967	48	1.3
9757.8	10000	38.6376	95.5002	-22	PS	2.3	-2	10.9	1	1.1	0	0.213	-2	2.034	-1	9.552	1	1983	39	1.3
9757.9	10000	38.6376	95.4994	-16	PS	2.4	-2	10.9	1	1.2	0	0.218	-2	2.031	-1	9.302	1	2010	54	1.3
9758.0	10000	38.6376	95.4986	-10	PS	2.4	-2	10.7	1	1.2	0	0.229	-2	2.000	-1	8.738	0	1999	53	1.3
9758.1	10000	38.6377	95.4978	-4	PS	2.2	-2	10.5	1	1.2	0	0.213	-2	1.810	-1	8.488	0	1976	53	1.3
9758.2	10000	38.6377	95.4970	3	PS	2.2	-2	10.9	1	1.2	0	0.223	-2	1.902	-1	8.542	0	1975	46	1.3
9758.3	10000	38.6377	95.4961	11	PS	2.2	-2	10.9	1	1.2	0	0.250	-2	2.001	-1	8.013	0	1992	53	1.3
9758.4	10000	38.6377	95.4953	22	PS	2.2	-2	10.8	1	1.2	0	0.288	-2	2.252	-1	8.810	0	2019	55	1.3
9758.5	10000	38.6377	95.4945	26	PS	2.2	-2	10.8	1	1.2	0	0.307	-2	2.222	-1	8.243	0	1999	50	1.3
9758.6	10000	38.6377	95.4937	28	PS	2.2	-2	10.8	1	1.2	0	0.346	-2	2.296	-1	8.865	0	1976	55	1.3
9758.7	10000	38.6377	95.4929	36	PS	2.2	-2	10.8	1	1.2	0	0.345	-2	2.238	-1	8.472	0	1977	53	1.3
9758.8	10000	38.6377	95.4921	48	PS	2.2	-2	10.8	1	1.2	0	0.355	-2	2.324	-1	8.729	0	1987	55	1.3
9758.9	10000	38.6377	95.4912	50	PS	2.2	-2	10.8	1	1.2	0	0.355	-2	2.456	-1	8.850	0	1987	50	1.3
9759.0	10000	38.6377	95.4904	52	PS	2.2	-2	10.8	1	1.2	0	0.336	-2	2.478	-1	8.987	0	1998	55	1.3
9759.1	10000	38.6377	95.4896	57	PS	2.2	-2	10.8	1	1.2	0	0.296	-2	2.333	-1	8.955	0	2018	47	1.3
9759.2	10000	38.6378	95.4888	63	PS	2.2	-2	10.8	1	1.2	0	0.273	-2	2.118	-1	8.164	0	2039	55	1.3
9759.3	10000	38.6378	95.4879	68	PS	2.2	-2	10.8	1	1.2	0	0.259	-2	2.162	-1	8.925	0	2050	45	1.3
9759.4	10000	38.6378	95.4871	74	PS	2.2	-2	10.8	1	1.2	0	0.294	-2	2.486	-1	8.550	0	2069	44	1.3
9759.5	10000	38.6378	95.4863	79	PS	2.2	-2	10.8	1	1.2	0	0.301	-2	2.562	-1	8.704	0	2082	55	1.3
9759.6	10000	38.6378	95.4855	85	PS	2.2	-2	10.8	1	1.2	0	0.279	-2	2.610	-1	8.664	0	2095	46	1.3
9759.7	10000	38.6378	95.4847	91	PS	2.2	-2	10.8	1	1.2	0	0.295	-2	2.437	-1	8.737	0	2105	46	1.3
9759.8	10000	38.6378	95.4839	97	PS	2.2	-2	10.8	1	1.2	0	0.316	-2	2.560	-1	8.693	0	2126	48	1.3
9759.9	10000	38.6378	95.4830	102	PS	2.2	-2	10.8	1	1.2	0	0.301	-2	2.749	-1	8.706	0	2156	48	1.3
9760.0	10000	38.6378	95.4822	108	PS	2.2	-2	10.8	1	1.2	0	0.303	-2	2.675	-1	8.825	0	2191	48	1.3
9760.1	10000	38.6378	95.4814	114	PS	2.2	-2	10.8	1	1.2	0	0.290	-2	2.369	-1	8.836	0	2188	48	1.3
9760.2	10000	38.6378	95.4806	119	PS	2.2	-2	10.8	1	1.2	0	0.313	-2	2.240	-1	8.508	0	2173	39	1.3
9760.3	10000	38.6378	95.4798	125	PS	2.2	-2	10.8	1	1.2	0	0.290	-2	2.180	-1	8.305	0	2166	54	1.3
9760.4	10000	38.6379	95.4789	130	PS	2.1	-2	10.8	1	1.2	0	0.313	-2	2.286	-1	8.305	0	2156	45	1.3

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9760.5	10000	38.6379	95.4781	136	PS	3.0	0	10.0	0	1.3	1	0.305	0	2.302	-1	7.536	-1	2118	48	1.3
9760.6	10000	38.6379	95.4773	141	PS	2.9	-1	9.4	0	1.3	1	0.305	0	2.157	-1	7.083	-1	2082	42	1.3
9760.7	10000	38.6379	95.4765	147	PS	2.8	-1	9.0	-1	1.3	1	0.308	0	2.161	-1	7.011	-1	2049	49	1.3
9760.8	10000	38.6379	95.4757	153	PS	2.9	0	9.1	0	1.2	0	0.320	0	2.339	-1	7.298	-1	2048	53	1.3
9760.9	10000	38.6379	95.4748	159	PS	3.0	0	9.2	0	1.3	0	0.329	0	2.389	-1	7.261	-1	2049	56	1.3
9761.0	10000	38.6379	95.4740	164	PS	3.0	0	9.3	0	1.3	1	0.318	0	2.314	-1	7.277	-1	2057	63	1.3
9761.1	10000	38.6379	95.4732	170	PS	3.0	0	9.4	0	1.2	0	0.320	0	2.460	0	7.685	0	2050	40	1.3
9761.2	10000	38.6379	95.4724	175	PS	2.9	0	9.4	0	1.2	0	0.311	0	2.363	-1	7.594	-1	2054	56	1.3
9761.3	10000	38.6379	95.4716	180	PS	3.1	0	9.7	0	1.2	0	0.318	0	2.523	0	7.931	0	2060	56	1.3
9761.4	10000	38.6379	95.4707	184	PS	3.1	0	10.1	0	1.3	0	0.311	0	2.488	0	8.008	0	2070	46	1.3
9761.5	10000	38.6379	95.4699	189	PS	3.1	0	10.4	1	1.3	1	0.295	-1	2.386	-1	8.084	0	2072	54	1.3
9761.6	10000	38.6380	95.4691	193	PS	3.0	0	10.1	0	1.3	1	0.299	0	2.280	-1	7.617	-1	2089	40	1.3
9761.7	10000	38.6380	95.4683	198	PS	3.0	0	9.9	0	1.3	1	0.301	0	2.214	-1	7.357	-1	2084	53	1.3
9761.8	10000	38.6380	95.4675	201	PS	2.9	-1	9.9	0	1.3	1	0.290	-1	2.151	-1	7.410	-1	2083	56	1.3
9761.9	10000	38.6380	95.4666	204	PS	3.1	0	10.2	0	1.4	1	0.305	0	2.281	-1	7.480	-1	2101	42	1.3
9762.0	10000	38.6380	95.4658	207	PS	3.0	0	10.4	1	1.4	1	0.287	-1	2.182	-1	7.592	-1	2111	48	1.3
9762.1	10000	38.6380	95.4650	210	PS	2.9	0	10.3	1	1.4	1	0.286	-1	2.156	-1	7.544	-1	2112	45	1.3
9762.2	10000	38.6380	95.4642	212	PS	3.0	0	10.4	1	1.3	1	0.288	-1	2.262	-1	7.844	0	2115	46	1.3
9762.3	10000	38.6380	95.4634	215	PS	3.0	0	10.5	1	1.3	1	0.290	-1	2.373	-1	8.174	0	2118	49	1.3
9762.4	10000	38.6380	95.4626	217	PS	3.2	0	10.9	1	1.3	1	0.295	-1	2.472	0	8.369	0	2133	41	1.3
9762.5	10000	38.6380	95.4617	220	PS	3.3	0	10.8	1	1.3	1	0.305	0	2.553	0	8.375	0	2113	45	1.3
9762.6	10000	38.6380	95.4609	221	PS	3.1	0	10.3	1	1.2	1	0.305	-1	2.514	-1	8.246	0	2086	50	1.3
9762.7	10000	38.6380	95.4601	222	PS	3.3	0	10.1	1	1.2	1	0.328	0	2.755	0	8.405	0	2064	41	1.3
9762.8	10000	38.6381	95.4593	223	PS	3.5	1	9.9	0	1.2	0	0.355	0	2.996	0	8.435	0	2042	47	1.3
9762.9	10000	38.6381	95.4585	223	PS	3.6	1	9.7	0	1.2	1	0.372	1	3.051	0	8.193	-1	2024	47	1.3
9763.0	10000	38.6381	95.4576	225	PS	3.6	1	9.4	0	1.2	1	0.385	1	3.121	0	8.112	-1	1990	46	1.3
9763.1	10000	38.6381	95.4568	225	PS	3.4	1	9.1	0	1.1	1	0.373	1	3.044	0	8.167	-1	1953	52	1.3
9763.2	10000	38.6381	95.4560	225	PS	3.4	1	9.2	0	1.2	1	0.367	1	2.888	0	7.859	-1	1960	33	1.3
9763.3	10000	38.6381	95.4552	225	PS	3.3	1	9.6	0	1.1	0	0.327	0	2.734	0	8.365	0	1960	55	1.3
9763.4	10000	38.6381	95.4544	224	PS	3.2	1	9.7	0	1.1	0	0.331	0	2.819	0	8.506	0	1954	41	1.3
9763.5	10000	38.6381	95.4535	223	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.756	0	8.395	0	1953	49	1.3
9763.6	10000	38.6381	95.4527	222	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.666	0	8.276	0	1951	55	1.3
9763.7	10000	38.6381	95.4519	220	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.487	0	8.777	0	1955	44	1.3
9763.8	10000	38.6381	95.4511	218	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.417	0	8.952	0	1982	47	1.3
9763.9	10000	38.6381	95.4502	215	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.615	0	8.508	0	1994	38	1.3
9764.0	10000	38.6381	95.4494	212	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.690	0	8.202	0	1992	45	1.3
9764.1	10000	38.6381	95.4485	209	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.522	0	8.034	0	2003	45	1.3
9764.2	10000	38.6381	95.4477	205	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.500	0	8.176	0	1995	45	1.3
9764.3	10000	38.6381	95.4468	202	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.431	0	8.667	0	1987	49	1.3
9764.4	10000	38.6381	95.4460	198	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.664	0	8.488	0	1986	39	1.3
9764.5	10000	38.6381	95.4452	193	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.699	0	8.059	0	1976	43	1.3
9764.6	10000	38.6381	95.4443	189	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.645	0	8.775	0	1962	50	1.3
9764.7	10000	38.6381	95.4435	185	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.650	0	8.871	0	1966	50	1.3
9764.8	10000	38.6381	95.4426	180	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.494	0	8.435	0	1958	49	1.3
9764.9	10000	38.6381	95.4418	176	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.541	0	8.313	0	1959	49	1.3
9765.0	10000	38.6381	95.4409	170	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.580	0	8.043	0	1951	59	1.3
9765.1	10000	38.6381	95.4401	162	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.534	0	8.153	0	1956	50	1.3
9765.2	10000	38.6381	95.4393	155	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.703	0	8.114	0	1937	44	1.3
9765.3	10000	38.6381	95.4384	147	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.734	0	8.336	0	1931	49	1.3
9765.4	10000	38.6381	95.4376	141	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.730	0	8.364	0	1898	45	1.3
9765.5	10000	38.6381	95.4367	135	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.588	0	8.047	0	1886	60	1.3
9765.6	10000	38.6381	95.4359	128	PS	3.2	1	9.7	0	1.1	0	0.328	0	2.530	0	8.010	0	1871	51	1.3

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9765.7	10000	38.6381	95.4350	122	PD	2.5	-2	10.4	1	1.1	0	0.237	-2	2.202	-1	9.310	0	1875	39	1.2
9765.8	10000	38.6381	95.4342	115	PD	2.6	-1	9.6	0	1.1	0	0.270	-1	2.282	-1	8.458	0	1871	46	1.2
9765.9	10000	38.6381	95.4333	108	PD	2.5	-1	9.4	0	1.2	1	0.267	-1	2.092	-1	7.828	-1	1880	55	1.2
9766.0	10000	38.6381	95.4325	101	PD	2.9	-1	9.6	0	1.2	1	0.299	-1	2.396	-1	8.010	-1	1888	66	1.2
9766.1	10000	38.6381	95.4317	94	PD	2.9	-1	9.7	0	1.2	1	0.301	-1	2.441	-1	8.107	-1	1911	51	1.2
9766.2	10000	38.6380	95.4308	87	PD	3.1	0	9.6	0	1.2	1	0.322	0	2.545	-1	7.912	-1	1929	41	1.2
9766.3	10000	38.6381	95.4300	80	PD	3.1	0	9.6	0	1.2	1	0.322	0	2.513	-1	7.816	-1	1964	52	1.2
9766.4	10000	38.6380	95.4291	72	PD	3.2	0	9.4	0	1.2	0	0.344	0	2.745	0	7.975	-1	1977	36	1.2
9766.5	10000	38.6380	95.4283	65	PD	3.1	0	9.8	0	1.1	0	0.318	0	2.771	0	8.711	0	1965	47	1.2
9766.6	10000	38.6380	95.4274	57	PD	3.0	0	10.1	0	1.1	0	0.301	-1	2.716	0	9.029	0	1970	42	1.2
9766.7	10000	38.6380	95.4266	50	PD	2.8	-1	10.2	0	1.1	0	0.278	-1	2.484	-1	8.924	0	1972	45	1.2
9766.8	10000	38.6380	95.4258	42	PD	2.7	-1	10.3	1	1.1	0	0.259	-1	2.348	-1	9.072	0	1966	48	1.2
9766.9	10000	38.6380	95.4249	35	PD	2.7	-1	10.4	1	1.1	0	0.263	-1	2.428	-1	9.226	0	1970	40	1.2
9767.0	10000	38.6380	95.4241	27	PD	2.8	-1	10.2	1	1.1	0	0.278	-1	2.569	-1	9.238	0	1949	69	1.2
9767.1	10000	38.6380	95.4232	20	PD	2.7	-1	10.2	0	1.2	0	0.264	-1	2.273	-1	8.608	0	1949	53	1.2
9767.2	10000	38.6380	95.4224	14	PD	2.8	-1	10.3	0	1.2	0	0.275	-1	2.387	-1	8.672	0	1981	46	1.2
9767.3	10000	38.6380	95.4215	7	PD	3.0	0	10.3	1	1.2	0	0.288	-1	2.516	-1	8.734	0	1989	40	1.2
9767.4	10000	38.6380	95.4207	-3	PD	3.2	0	10.1	0	1.2	0	0.317	0	2.761	0	8.708	0	1989	47	1.2
9767.5	10000	38.6380	95.4199	-11	PD	3.4	0	9.9	0	1.2	0	0.342	0	2.844	0	8.307	0	1998	41	1.2
9767.6	10000	38.6380	95.4190	-19	PD	3.3	0	10.2	0	1.2	0	0.322	0	2.739	0	8.509	0	1999	51	1.2
9767.7	10000	38.6380	95.4182	-27	PD	3.3	0	10.1	0	1.2	0	0.320	0	2.697	0	8.416	0	2003	59	1.2
9767.8	10000	38.6380	95.4173	-34	PD	3.3	0	10.1	0	1.2	0	0.330	0	2.842	0	8.614	0	1986	43	1.2
9767.9	10000	38.6380	95.4165	-42	PD	3.3	0	9.9	0	1.2	0	0.335	0	2.809	0	8.389	0	1965	42	1.2
9768.0	10000	38.6380	95.4156	-49	PD	3.3	0	9.8	0	1.2	0	0.335	0	2.778	0	8.289	0	1951	52	1.2
9768.1	10000	38.6380	95.4148	-57	PD	3.1	0	9.9	0	1.2	0	0.312	0	2.545	-1	8.155	-1	1952	41	1.2
9768.2	10000	38.6380	95.4140	-64	PD	3.0	0	10.3	0	1.2	0	0.297	-1	2.569	-1	8.641	0	1948	53	1.2
9768.3	10000	38.6380	95.4131	-72	PD	3.2	0	9.9	0	1.2	0	0.323	0	2.742	0	8.498	0	1949	46	1.2
9768.4	10000	38.6380	95.4123	-80	PD	3.0	0	10.2	0	1.1	0	0.295	-1	2.685	0	9.106	0	1945	38	1.2
9768.5	10000	38.6380	95.4114	-88	PD	2.9	-1	10.2	0	1.1	0	0.284	-1	2.682	0	9.005	0	1942	43	1.2
9768.6	10000	38.6380	95.4106	-96	PD	2.9	-1	10.2	1	1.2	0	0.284	-1	2.509	-1	8.710	0	1953	47	1.2
9768.7	10000	38.6380	95.4097	-104	PD	2.8	-1	10.2	1	1.2	0	0.274	-1	2.445	-1	8.645	0	1959	57	1.2
9768.8	10000	38.6380	95.4089	-113	PD	2.8	-1	10.2	1	1.2	0	0.274	-1	2.482	-1	8.714	0	1957	63	1.2
9768.9	10000	38.6380	95.4081	-121	PD	2.8	-1	10.2	1	1.2	0	0.274	-1	2.421	-1	8.571	0	1961	50	1.2
9769.0	10000	38.6379	95.4072	-129	PD	3.0	0	10.2	1	1.2	0	0.294	-1	2.427	-1	8.608	0	1948	44	1.2
9769.1	10000	38.6379	95.4064	-138	PD	3.0	0	10.3	1	1.2	0	0.291	-1	2.432	-1	8.857	0	1951	54	1.2
9769.2	10000	38.6379	95.4055	-147	PD	3.0	0	10.2	1	1.2	0	0.294	-1	2.410	-1	8.667	0	1956	53	1.2
9769.3	10000	38.6379	95.4047	-155	PD	2.9	-1	10.2	1	1.2	0	0.284	-1	2.332	-1	7.998	0	1952	49	1.2
9769.4	10000	38.6379	95.4038	-164	PD	2.9	-1	10.3	1	1.2	0	0.281	-1	2.385	-1	8.125	0	1932	36	1.2
9769.5	10000	38.6379	95.4030	-172	PD	2.9	-1	10.3	1	1.2	0	0.281	-1	2.323	-1	8.444	0	1928	51	1.2
9769.6	10000	38.6379	95.4021	-180	PD	2.9	-1	10.3	1	1.2	0	0.281	-1	2.109	-1	8.529	0	1918	59	1.2
9769.7	10000	38.6379	95.4013	-187	PD	2.9	-1	10.3	1	1.2	0	0.281	-1	2.251	-1	8.642	0	1919	51	1.2
9769.8	10000	38.6379	95.4005	-196	PD	2.9	-1	10.3	1	1.2	0	0.281	-1	2.427	-1	8.966	0	1926	51	1.2
9769.9	10000	38.6379	95.3996	-206	PD	2.9	-1	10.3	1	1.2	0	0.281	-1	2.330	-1	8.272	0	1924	43	1.2
9770.0	10000	38.6379	95.3988	-214	PD	2.9	-1	10.3	1	1.2	0	0.281	-1	2.457	-1	8.352	0	1917	53	1.2
9770.1	10000	38.6379	95.3979	-222	PD	2.9	-1	10.3	1	1.2	0	0.281	-1	2.282	-1	8.301	0	1930	41	1.2
9770.2	10000	38.6379	95.3971	-230	PD	2.9	-1	10.3	1	1.2	0	0.281	-1	2.275	-1	8.770	0	1934	63	1.2
9770.3	10000	38.6379	95.3962	-238	PD	2.9	-1	10.3	1	1.2	0	0.281	-1	2.753	-1	9.020	0	1949	55	1.2
9770.4	10000	38.6379	95.3954	-245	PD	2.9	-1	10.3	1	1.2	0	0.281	-1	2.552	-1	8.919	0	1954	41	1.2
9770.5	10000	38.6379	95.3945	-253	PD	2.9	-1	10.3	1	1.2	0	0.281	-1	2.324	-1	8.605	0	1960	45	1.2
9770.6	10000	38.6379	95.3937	-260	PD	2.9	-1	10.3	1	1.2	0	0.281	-1	2.527	-1	8.704	0	1964	52	1.2
9770.7	10000	38.6379	95.3929	-267	PD	2.9	-1	10.3	1	1.2	0	0.281	-1	2.620	-1	8.657	0	1964	49	1.2
9770.8	10000	38.6379	95.3920	-274	PD	2.9	-1	10.4	1	1.2	0	0.279	-1	2.643	-1	8.480	0	1958	48	1.2

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9770.9	10000	38.6379	95.3912	-281	PD	2.9	-1	9.3	0	1.1	0	0.311	0	2.710	0	8.721	0	1944	43	1.2
9771.0	10000	38.6379	95.3903	-287	PD	2.8	-1	9.2	0	1.0	0	0.304	-1	2.726	0	8.963	0	1931	40	1.2
9771.1	10000	38.6379	95.3895	-293	PD	2.7	-1	9.4	0	1.1	0	0.283	-1	2.513	-1	8.882	0	1912	49	1.2
9771.2	10000	38.6379	95.3886	-299	PD	2.8	-1	9.4	0	1.0	-1	0.295	-1	2.823	0	9.556	0	1896	48	1.2
9771.3	10000	38.6379	95.3878	-304	PD	2.6	-1	9.4	0	1.0	0	0.280	-1	2.517	-1	9.004	0	1897	34	1.2
9771.4	10000	38.6379	95.3870	-309	PD	2.5	-2	9.5	0	1.0	0	0.258	-1	2.347	-1	9.080	0	1898	39	1.3
9771.5	10000	38.6379	95.3861	-316	PD	2.6	-1	9.6	0	1.0	0	0.272	-1	2.528	-1	9.298	0	1888	62	1.3
9771.6	10000	38.6379	95.3853	-321	PD	2.7	-1	9.5	0	1.0	0	0.279	-1	2.556	-1	9.148	0	1894	50	1.3
9771.7	10000	38.6378	95.3844	-326	PD	2.5	-1	9.0	-1	1.1	0	0.273	-1	2.283	-1	8.362	0	1881	49	1.3
9771.8	10000	38.6378	95.3836	-331	PD	2.7	-1	9.0	-1	1.1	0	0.295	-1	2.439	-1	8.275	0	1898	57	1.3
9771.9	10000	38.6378	95.3827	-337	PD	2.5	-1	8.9	-1	1.1	0	0.283	-1	2.209	-1	7.810	-1	1902	48	1.3
9772.0	10000	38.6378	95.3819	-342	PD	2.8	-1	9.2	0	1.1	0	0.307	0	2.486	-1	8.105	-1	1898	60	1.3
9772.1	10000	38.6378	95.3811	-347	PD	3.0	0	8.9	-1	1.1	0	0.331	0	2.700	0	8.159	-1	1886	36	1.3
9772.2	10000	38.6378	95.3802	-352	PD	2.8	-1	8.5	-1	1.1	0	0.333	0	2.668	0	8.015	-1	1858	55	1.3
9772.3	10000	38.6378	95.3794	-358	PD	3.2	0	8.0	-1	1.0	-1	0.394	1	3.260	0	8.267	0	1802	51	1.3
9772.4	10000	38.6378	95.3785	-362	PD	3.0	0	8.2	-1	0.9	-1	0.367	1	3.429	1	9.333	0	1749	63	1.3
9772.5	10000	38.6378	95.3777	-367	QAL	3.0	0	8.0	-1	0.8	-2	0.374	1	3.717	2	9.929	2	1695	52	1.3
9772.6	10000	38.6378	95.3768	-372	QAL	3.0	0	8.0	-1	0.8	-2	0.370	1	3.913	2	10.577	2	1653	46	1.3
9772.7	10000	38.6378	95.3760	-378	QAL	2.9	0	7.8	-1	0.7	-2	0.369	0	3.911	2	10.607	2	1633	44	1.3
9772.8	10000	38.6378	95.3752	-383	QAL	2.8	-1	7.8	-1	0.8	-2	0.359	0	3.702	2	10.316	2	1616	55	1.3
9772.9	10000	38.6378	95.3743	-388	QAL	3.0	0	8.1	-1	0.8	-2	0.376	1	3.920	2	10.432	2	1635	40	1.3
9773.0	10000	38.6378	95.3735	-393	QAL	3.1	0	8.1	-1	0.8	-2	0.386	1	3.750	2	9.715	1	1668	52	1.3
9773.1	10000	38.6378	95.3726	-398	QAL	3.4	1	8.0	-1	0.9	-1	0.424	1	3.887	2	9.159	1	1712	48	1.3
9773.2	10000	38.6378	95.3718	-401	QAL	3.4	1	8.0	-1	0.9	-1	0.427	1	3.814	2	8.928	1	1730	48	1.3
9773.3	10000	38.6378	95.3709	-406	QAL	3.6	1	7.7	-1	0.9	-1	0.468	2	3.908	2	8.350	0	1762	64	1.3
9773.4	10000	38.6378	95.3701	-412	QAL	3.5	1	7.6	-1	0.9	-1	0.458	2	3.776	2	8.246	0	1773	54	1.3
9773.5	10000	38.6378	95.3692	-417	QAL	3.5	1	7.8	-1	0.9	-1	0.442	2	3.871	2	8.757	1	1783	51	1.3
9773.6	10000	38.6378	95.3684	-421	QAL	3.3	1	7.8	-1	0.9	-1	0.416	1	3.653	2	8.790	1	1775	35	1.3
9773.7	10000	38.6378	95.3676	-425	QAL	3.9	1	8.4	-1	0.9	-1	0.348	0	3.317	1	9.534	1	1777	55	1.3
9773.8	10000	38.6378	95.3667	-429	QAL	3.1	0	8.2	-1	0.9	-1	0.379	1	3.425	1	9.042	1	1770	53	1.3
9773.9	10000	38.6378	95.3659	-433	QAL	2.8	0	8.2	-1	0.9	-1	0.336	0	3.067	1	9.141	1	1780	41	1.3
9774.0	10000	38.6378	95.3650	-436	QAL	2.8	0	8.2	-1	0.9	-1	0.311	0	3.060	1	9.831	1	1755	42	1.3
9774.1	10000	38.6377	95.3642	-439	QAL	2.7	-1	8.2	-1	0.9	-1	0.301	0	2.982	1	9.900	2	1743	59	1.4
9774.2	10000	38.6377	95.3633	-442	QAL	2.6	-1	8.2	-1	0.9	-1	0.304	0	2.878	1	9.477	1	1731	46	1.4
9774.3	10000	38.6377	95.3625	-445	QAL	2.7	-1	8.2	-1	0.9	-1	0.307	0	2.886	1	9.391	1	1730	41	1.4
9774.4	10000	38.6377	95.3617	-448	QAL	2.6	-1	8.2	-1	0.9	-1	0.294	0	2.828	2	9.630	2	1722	51	1.4
9774.5	10000	38.6377	95.3608	-451	QAL	2.5	-1	8.2	-1	0.9	-1	0.243	-1	2.445	2	10.075	2	1720	55	1.4
9774.6	10000	38.6377	95.3600	-453	QAL	2.5	-1	8.2	-1	0.9	-1	0.254	-1	2.750	2	10.818	2	1715	58	1.4
9774.7	10000	38.6377	95.3591	-455	QAL	2.3	-1	8.2	-1	0.9	-1	0.231	-2	2.557	2	11.080	2	1730	55	1.4
9774.8	10000	38.6377	95.3583	-458	QAL	2.2	-1	8.2	-1	0.9	-1	0.245	-2	2.821	3	11.531	3	1733	41	1.4
9774.9	10000	38.6377	95.3574	-460	QAL	2.2	-1	8.2	-1	0.9	-1	0.223	-2	2.763	3	12.365	3	1736	43	1.4
9775.0	10000	38.6377	95.3566	-461	QAL	2.1	-1	8.2	-1	0.9	-1	0.212	-2	2.657	3	12.522	3	1737	57	1.4
9775.1	10000	38.6377	95.3558	-462	QAL	1.8	-1	8.2	-1	0.9	-1	0.188	-2	2.207	3	11.688	3	1732	58	1.4
9775.2	10000	38.6377	95.3549	-468	QAL	2.0	-1	8.2	-1	0.9	-1	0.195	-2	2.277	3	11.291	2	1717	42	1.4
9775.3	10000	38.6377	95.3541	-472	QAL	1.8	-1	8.2	-1	0.9	-1	0.217	-2	2.356	3	12.060	3	1705	40	1.4
9775.4	10000	38.6377	95.3532	-475	QAL	1.8	-1	8.2	-1	0.9	-1	0.197	-2	2.548	3	11.755	3	1682	44	1.4
9775.5	10000	38.6377	95.3524	-478	QAL	1.8	-1	8.2	-1	0.9	-1	0.233	-2	2.293	3	11.643	3	1660	61	1.4
9775.6	10000	38.6377	95.3515	-481	QAL	1.8	-1	8.2	-1	0.9	-1	0.229	-2	2.479	3	10.653	2	1663	45	1.4
9775.7	10000	38.6377	95.3507	-484	QAL	1.5	-1	8.2	-1	0.9	-1	0.272	-1	2.428	2	10.592	2	1689	53	1.4
9775.8	10000	38.6377	95.3499	-487	QAL	1.6	-1	8.2	-1	0.9	-1	0.279	-1	2.847	2	10.449	2	1726	55	1.4
9775.9	10000	38.6377	95.3490	-490	QAL	2.6	0	8.2	-1	0.9	-1	0.266	-1	2.677	2	9.590	1	1764	41	1.4
9776.0	10000	38.6377	95.3482	-493	QAL	2.6	0	8.2	-1	0.9	-1	0.266	-1	2.378	1	8.942	1	1799	45	1.4

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9776.1	10000	38.6377	95.3473	-496	QAL	2.4	-1	9.7	0	1.1	0	0.252	-1	2.156	-1	8.568	1	1839	46	1.4
9776.2	10000	38.6377	95.3465	-499	QAL	2.6	-1	9.7	0	1.2	0	0.268	-1	2.228	0	8.313	0	1890	60	1.4
9776.3	10000	38.6377	95.3456	-501	QAL	2.6	-1	9.9	1	1.2	0	0.260	-1	2.157	-1	8.312	0	1922	57	1.4
9776.4	10000	38.6377	95.3448	-503	QAL	2.6	-1	9.7	0	1.2	0	0.267	-1	2.081	-1	7.808	0	1935	50	1.4
9776.5	10000	38.6377	95.3439	-505	QAL	2.4	-1	9.7	0	1.3	0	0.247	-1	1.897	-1	7.684	0	1939	45	1.4
9776.6	10000	38.6377	95.3431	-508	QAL	2.3	-2	9.9	0	1.3	0	0.230	-2	1.780	-1	7.754	0	1949	43	1.4
9776.7	10000	38.6377	95.3423	-509	QAL	2.1	-2	9.7	0	1.2	0	0.220	-2	1.728	-1	7.842	0	1938	69	1.4
9776.8	10000	38.6376	95.3414	-512	QAL	2.3	-1	9.5	0	1.3	0	0.244	-1	1.810	-1	7.432	0	1925	47	1.4
9776.9	10000	38.6376	95.3406	-514	QAL	2.4	-1	9.5	0	1.2	0	0.249	-1	1.892	-1	7.590	0	1900	51	1.4
9777.0	10000	38.6376	95.3397	-515	QAL	2.4	-1	9.1	0	1.2	0	0.265	-1	1.947	-1	7.360	0	1896	57	1.4
9777.1	10000	38.6376	95.3389	-517	QAL	2.4	-1	9.5	0	1.2	0	0.254	-1	2.015	-1	7.932	0	1889	49	1.4
9777.2	10000	38.6376	95.3380	-519	QAL	2.5	-1	9.2	0	1.2	0	0.273	-1	2.133	-1	7.814	0	1876	55	1.4
9777.3	10000	38.6376	95.3372	-520	PD	2.6	-1	9.3	0	1.1	0	0.280	-1	2.344	-1	8.385	0	1853	52	1.5
9777.4	10000	38.6376	95.3363	-522	PD	2.8	-1	9.1	0	1.1	0	0.302	-1	2.563	-1	8.485	0	1844	48	1.5
9777.5	10000	38.6376	95.3355	-523	PD	2.6	-1	9.1	0	1.0	-1	0.290	-1	2.613	-1	8.997	0	1838	42	1.5
9777.6	10000	38.6376	95.3347	-525	PD	2.7	-1	9.2	0	1.0	-1	0.294	-1	2.731	0	9.302	0	1841	57	1.5
9777.7	10000	38.6376	95.3338	-526	PD	2.6	-1	9.5	0	0.9	-1	0.272	-1	2.757	0	10.148	1	1797	55	1.5
9777.8	10000	38.6376	95.3330	-528	PD	2.7	-1	8.7	-1	0.9	-1	0.306	0	2.978	0	9.730	1	1742	65	1.5
9777.9	10000	38.6376	95.3321	-530	PD	2.7	-1	8.6	-1	0.8	-2	0.313	0	3.299	1	10.553	1	1700	52	1.5
9778.0	10000	38.6376	95.3313	-531	PD	2.5	-2	8.3	-1	0.8	-2	0.296	-1	2.980	0	10.079	1	1675	53	1.5
9778.1	10000	38.6376	95.3304	-533	PD	2.4	-2	8.6	-1	0.8	-2	0.279	-1	2.926	0	10.500	1	1663	44	1.5
9778.2	10000	38.6376	95.3296	-535	PD	2.3	-2	8.4	-1	0.8	-2	0.274	-1	2.986	0	10.894	1	1635	53	1.5
9778.3	10000	38.6376	95.3288	-536	PD	2.3	-2	8.0	-1	0.7	-2	0.285	-1	3.131	0	10.973	1	1601	64	1.5
9778.4	10000	38.6376	95.3279	-537	PD	2.4	-2	7.9	-1	0.7	-2	0.309	0	3.363	1	10.895	1	1590	51	1.5
9778.5	10000	38.6376	95.3271	-539	PD	2.2	-2	8.2	-1	0.7	-2	0.271	-1	3.059	0	11.267	2	1598	54	1.5
9778.6	10000	38.6376	95.3262	-540	PD	2.2	-2	7.9	-1	0.7	-2	0.274	-1	2.975	0	10.849	1	1603	42	1.5
9778.7	10000	38.6376	95.3254	-542	PD	2.3	-2	7.7	-2	0.7	-2	0.301	-1	3.226	0	10.725	1	1597	47	1.5
9778.8	10000	38.6376	95.3245	-543	PD	2.4	-2	7.7	-2	0.7	-2	0.318	0	3.548	1	11.167	2	1593	54	1.5
9778.9	10000	38.6376	95.3237	-544	PD	2.4	-2	7.8	-2	0.7	-2	0.321	0	3.488	1	10.852	1	1609	45	1.5
9779.0	10000	38.6376	95.3229	-546	PD	2.5	-2	7.8	-2	0.7	-2	0.316	0	3.365	1	10.640	1	1622	49	1.5
9779.1	10000	38.6376	95.3220	-548	PD	2.6	-2	7.8	-2	0.7	-2	0.329	0	3.407	1	10.359	1	1639	62	1.5
9779.2	10000	38.6376	95.3211	-549	PD	2.8	-2	7.8	-2	0.8	-2	0.361	0	3.786	1	10.498	1	1642	45	1.5
9779.3	10000	38.6376	95.3203	-549	PD	2.8	-2	8.0	-2	0.8	-2	0.358	0	3.656	1	10.229	1	1643	48	1.5
9779.4	10000	38.6376	95.3194	-551	PD	2.7	-2	7.7	-2	0.8	-2	0.359	0	3.592	1	9.985	1	1645	48	1.5
9779.5	10000	38.6376	95.3186	-554	PD	2.7	-2	7.7	-2	0.8	-2	0.357	0	3.533	1	9.600	1	1640	55	1.5
9779.6	10000	38.6376	95.3177	-556	PD	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1637	53	1.5
9779.7	10000	38.6376	95.3168	-556	PD	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1664	42	1.5
9779.8	10000	38.6376	95.3160	-558	PD	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1686	57	1.5
9779.9	10000	38.6376	95.3151	-561	PD	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1725	55	1.5
9780.0	10000	38.6376	95.3143	-563	PD	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1773	48	1.5
9780.1	10000	38.6376	95.3134	-566	PD	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1817	47	1.5
9780.2	10000	38.6377	95.3125	-568	PD	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1866	56	1.5
9780.3	10000	38.6377	95.3117	-569	PD	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1897	51	1.5
9780.4	10000	38.6377	95.3108	-570	PD	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1911	36	1.5
9780.5	10000	38.6377	95.3100	-571	QAL	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1927	45	1.5
9780.6	10000	38.6377	95.3091	-573	QAL	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1926	46	1.5
9780.7	10000	38.6377	95.3082	-573	QAL	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1934	55	1.5
9780.8	10000	38.6377	95.3074	-574	QAL	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1941	49	1.5
9780.9	10000	38.6377	95.3065	-574	QAL	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1954	55	1.5
9781.0	10000	38.6377	95.3057	-575	QAL	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1959	53	1.5
9781.1	10000	38.6377	95.3048	-575	QAL	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1960	49	1.5
9781.2	10000	38.6377	95.3039	-575	QAL	2.7	-2	7.7	-2	0.8	-2	0.352	0	3.429	1	9.403	1	1977	59	1.5

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9781.3	10000	38.6377	95.3031	-575	QAL	3.3	0	9.1	0	1.1	-1	0.364	0	3.019	1	8.303	0	1999	48	1.5
9781.4	10000	38.6377	95.3022	-575	QAL	.6	1	8.9	0	1.1	0	0.404	1	3.119	1	7.721	0	2007	51	1.5
9781.5	10000	38.6378	95.3014	-575	QAL	.4	1	9.4	0	1.1	-1	0.359	0	3.035	1	8.448	1	2027	43	1.5
9781.6	10000	38.6378	95.3005	-575	QAL	.1	0	9.6	0	1.1	-1	0.325	0	2.810	0	8.645	1	2032	58	1.5
9781.7	10000	38.6378	95.2997	-575	QAL	.2	0	9.9	1	1.1	0	0.322	0	2.796	0	8.673	1	2059	42	1.5
9781.8	10000	38.6378	95.2988	-576	QAL	.1	0	9.8	0	1.1	-1	0.314	0	2.755	0	8.773	1	2071	48	1.5
9781.9	10000	38.6378	95.2979	-576	QAL	.1	0	9.9	1	1.1	-1	0.317	0	2.913	1	9.201	1	2080	51	1.5
9782.0	10000	38.6378	95.2971	-576	QAL	.1	0	10.3	1	1.1	-1	0.303	-1	2.905	1	9.593	1	2085	51	1.5
9782.1	10000	38.6378	95.2962	-576	QAL	.0	0	10.7	1	1.0	-1	0.279	-1	2.846	0	10.206	2	2089	50	1.5
9782.2	10000	38.6378	95.2953	-575	QAL	.4	1	10.6	1	1.1	-1	0.324	0	3.166	1	9.766	1	2114	40	1.5
9782.3	10000	38.6378	95.2945	-575	QAL	.6	1	10.5	1	1.1	-1	0.345	0	3.368	1	9.762	1	2130	50	1.5
9782.4	10000	38.6378	95.2936	-575	QAL	.5	1	10.0	1	1.1	-1	0.352	0	3.267	1	9.285	1	2123	51	1.5
9782.5	10000	38.6378	95.2928	-575	PD	.7	1	9.7	0	1.1	0	0.384	1	3.461	1	9.016	0	2117	64	1.5
9782.6	10000	38.6378	95.2919	-575	PD	.5	1	10.0	0	1.1	0	0.351	0	3.083	0	8.792	0	2105	49	1.5
9782.7	10000	38.6378	95.2910	-574	PD	.6	1	9.9	0	1.2	0	0.360	0	3.027	0	8.410	0	2096	53	1.5
9782.8	10000	38.6379	95.2902	-574	PD	.4	1	10.4	1	1.2	1	0.332	0	2.794	0	8.424	0	2086	56	1.5
9782.9	10000	38.6379	95.2893	-574	PD	.2	1	10.2	0	1.2	1	0.305	0	2.568	-1	8.408	0	2066	44	1.5
9783.0	10000	38.6379	95.2885	-573	PD	.2	0	10.0	1	1.2	1	0.294	-1	2.427	-1	8.270	0	2064	46	1.5
9783.1	10000	38.6379	95.2876	-573	PD	.0	0	10.3	1	1.2	1	0.293	-1	2.454	-1	8.370	0	2077	55	1.5
9783.2	10000	38.6379	95.2868	-573	PD	.1	0	11.0	1	1.3	1	0.279	-1	2.352	-1	8.437	0	2115	47	1.5
9783.3	10000	38.6379	95.2859	-573	PD	.4	0	10.7	1	1.3	1	0.317	0	2.568	-1	8.115	-1	2133	60	1.5
9783.4	10000	38.6379	95.2850	-573	PD	.7	1	10.5	1	1.3	1	0.354	0	2.810	0	7.929	-1	2155	54	1.5
9783.5	10000	38.6379	95.2842	-573	PD	.7	1	9.7	0	1.3	1	0.380	1	2.835	0	7.463	-1	2169	57	1.5
9783.6	10000	38.6379	95.2833	-573	PD	.7	1	9.6	0	1.3	1	0.384	1	2.792	0	7.275	-1	2168	56	1.5
9783.7	10000	38.6379	95.2825	-573	PD	.6	1	9.5	2	1.4	1	0.380	1	2.589	-1	6.807	-2	2171	47	1.5
9783.8	10000	38.6379	95.2816	-573	PD	.5	1	9.1	2	1.4	1	0.379	1	2.463	-1	6.496	-2	2154	47	1.5
9783.9	10000	38.6379	95.2807	-573	PD	.3	0	8.8	-1	1.4	2	0.370	1	2.368	-1	6.400	-2	2104	51	1.5
9784.0	10000	38.6379	95.2799	-573	PD	.8	-1	9.3	0	1.3	1	0.300	-1	2.096	-1	6.990	-1	2080	49	1.5
9784.1	10000	38.6380	95.2790	-573	PD	.3	-2	9.5	1	1.3	1	0.246	-2	1.815	-2	7.379	-1	2039	45	1.5
9784.2	10000	38.6380	95.2782	-573	PD	.2	-2	9.7	0	1.3	1	0.231	-2	1.776	-2	7.698	-1	2006	40	1.5
9784.3	10000	38.6380	95.2773	-573	PD	.0	-2	9.7	0	1.3	1	0.204	-2	1.539	-2	7.549	-1	1986	45	1.5
9784.4	10000	38.6380	95.2764	-572	PD	.2	-2	9.7	0	1.3	2	0.227	-2	1.773	-2	7.826	-1	1956	53	1.5
9784.5	10000	38.6380	95.2756	-572	PD	.3	-2	9.8	0	1.3	2	0.234	-2	1.902	-2	8.114	-1	1923	47	1.5
9784.6	10000	38.6380	95.2747	-571	PD	.4	-2	9.8	0	1.3	2	0.244	-2	1.989	-2	8.149	-1	1915	45	1.5
9784.7	10000	38.6380	95.2739	-570	PD	.6	-1	9.7	0	1.3	2	0.269	-1	2.157	-1	8.031	-1	1908	53	1.5
9784.8	10000	38.6380	95.2730	-570	PD	.6	-1	9.6	0	1.3	2	0.279	-1	2.128	-1	7.618	-1	1917	53	1.5
9784.9	10000	38.6380	95.2721	-570	PD	.6	-1	9.6	0	1.3	2	0.279	-1	2.121	-1	7.591	-1	1923	39	1.5
9785.0	10000	38.6380	95.2713	-570	PD	.7	-1	9.6	0	1.3	2	0.293	-1	2.304	-1	7.871	-1	1922	50	1.5
9785.1	10000	38.6380	95.2704	-570	PD	.6	-1	9.6	0	1.3	2	0.289	-1	2.311	-1	8.012	-1	1916	53	1.5
9785.2	10000	38.6380	95.2696	-569	PD	.5	-1	9.6	0	1.3	2	0.286	-1	2.167	-1	7.565	-1	1935	42	1.5
9785.3	10000	38.6380	95.2687	-569	PD	.6	-1	9.6	0	1.3	2	0.297	-1	2.172	-1	7.603	-1	1931	30	1.5
9785.4	10000	38.6381	95.2678	-570	PD	.7	-1	9.6	0	1.3	2	0.296	-1	2.238	-1	7.537	-1	1911	35	1.5
9785.5	10000	38.6381	95.2670	-570	PD	.6	-1	9.6	0	1.3	2	0.317	-1	2.306	-1	7.781	-1	1860	48	1.5
9785.6	10000	38.6381	95.2661	-571	PD	.8	-1	9.6	0	1.3	2	0.338	-1	2.329	-1	7.358	-1	1827	54	1.5
9785.7	10000	38.6381	95.2653	-572	PD	.7	-1	9.6	0	1.3	2	0.327	-1	2.514	-1	7.442	-1	1804	48	1.5
9785.8	10000	38.6381	95.2644	-571	PD	.7	-1	9.6	0	1.3	2	0.336	-1	2.403	-1	7.342	-1	1789	56	1.5
9785.9	10000	38.6381	95.2635	-567	PD	.7	-1	9.6	0	1.3	2	0.327	-1	2.544	-1	7.570	-1	1753	42	1.5
9786.0	10000	38.6381	95.2627	-566	PD	.6	-1	9.6	0	1.3	2	0.325	-1	2.555	-1	7.578	-1	1751	47	1.5
9786.1	10000	38.6381	95.2618	-571	PD	.6	-1	9.6	0	1.3	2	0.327	-1	2.443	-1	7.578	-1	1751	57	1.5
9786.2	10000	38.6381	95.2610	-579	PD	.6	-1	9.6	0	1.3	2	0.325	-1	2.555	-1	7.691	-1	1783	54	1.5
9786.3	10000	38.6381	95.2601	-584	PD	.6	-1	9.6	0	1.3	2	0.327	-1	2.616	-1	8.001	-1	1815	56	1.5
9786.4	10000	38.6381	95.2592	-581	PD	.6	-1	9.6	0	1.3	2	0.321	-1	2.537	-1	7.891	-1	1841	45	1.5

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9786.5	10000	38.6381	95.2584	-577	PD	2.6	-1	8.4	-1	1.0	0	0.314	0	2.548	-1	8.125	-1	1861	45	1.5
9786.6	10000	38.6381	95.2575	-574	PD	2.5	-1	9.2	0	1.1	0	0.278	-1	2.409	-1	8.653	0	1895	41	1.5
9786.7	10000	38.6381	95.2567	-573	PD	2.6	-1	9.3	0	1.0	0	0.276	-1	2.471	-1	8.965	0	1920	47	1.5
9786.8	10000	38.6382	95.2558	-571	PD	2.9	-1	10.0	0	1.0	0	0.292	-1	2.792	0	9.568	0	1922	52	1.6
9786.9	10000	38.6382	95.2549	-568	PD	3.0	0	10.1	0	1.1	0	0.300	-1	2.853	0	9.499	0	1939	46	1.6
9787.0	10000	38.6382	95.2541	-564	PD	2.9	-1	10.1	0	1.0	0	0.287	-1	2.829	0	9.847	1	1943	44	1.6
9787.1	10000	38.6382	95.2532	-561	PD	2.9	-1	10.2	0	1.0	0	0.283	-1	2.827	0	9.998	1	1945	42	1.6
9787.2	10000	38.6382	95.2524	-560	PD	3.0	0	10.0	0	1.0	0	0.303	-1	2.948	0	9.723	1	1937	35	1.6
9787.3	10000	38.6382	95.2515	-561	PD	3.0	0	9.7	0	1.0	0	0.306	0	2.881	0	9.404	0	1938	42	1.6
9787.4	10000	38.6382	95.2506	-562	PD	2.9	-1	9.3	0	1.1	0	0.313	0	2.757	0	8.796	0	1924	55	1.6
9787.5	10000	38.6382	95.2498	-561	PD	3.0	0	9.0	-1	1.1	0	0.331	0	2.705	0	8.184	-1	1954	46	1.6
9787.6	10000	38.6382	95.2489	-561	PD	2.9	-1	8.8	-1	1.2	0	0.330	0	2.515	-1	7.624	-1	1956	50	1.6
9787.7	10000	38.6382	95.2481	-562	PD	2.8	-1	8.8	-1	1.2	0	0.319	0	2.388	-1	7.495	-1	1944	51	1.6
9787.8	10000	38.6382	95.2472	-562	PD	2.6	-1	9.1	0	1.2	1	0.282	-1	2.117	-1	7.515	-1	1933	44	1.6
9787.9	10000	38.6382	95.2464	-560	PD	2.3	-2	8.7	-1	1.2	1	0.260	-1	1.838	-2	7.078	-1	1928	50	1.6
9788.0	10000	38.6383	95.2455	-555	PD	2.4	-2	8.9	-1	1.2	1	0.267	-1	1.922	-2	7.195	-1	1936	57	1.6
9788.1	10000	38.6383	95.2446	-547	PD	2.3	-2	9.4	0	1.2	1	0.245	-2	1.859	-2	7.590	-1	1945	46	1.6
9788.2	10000	38.6383	95.2438	-542	PD	2.3	-2	9.3	0	1.2	1	0.250	-2	1.951	-2	7.788	-1	1929	49	1.6
9788.3	10000	38.6383	95.2429	-548	PD	2.5	-1	9.3	0	1.1	1	0.271	-1	2.218	-1	8.182	-1	1931	59	1.6
9788.4	10000	38.6383	95.2421	-554	PD	2.6	-1	9.2	0	1.1	1	0.280	-1	2.266	-1	8.088	-1	1940	51	1.6
9788.5	10000	38.6383	95.2412	-557	PD	2.7	-1	9.1	0	1.1	1	0.294	-1	2.376	-1	8.082	-1	1951	60	1.6
9788.6	10000	38.6383	95.2403	-558	PD	2.9	-1	9.5	0	1.2	1	0.306	0	2.520	-1	8.244	0	1991	45	1.6
9788.7	10000	38.6383	95.2395	-558	PD	3.0	0	9.2	0	1.2	1	0.324	0	2.483	-1	7.672	-1	2012	51	1.6
9788.8	10000	38.6383	95.2386	-558	PD	3.2	0	8.8	-1	1.2	1	0.368	1	2.657	-1	7.212	-1	2036	47	1.6
9788.9	10000	38.6383	95.2377	-558	PD	3.2	0	9.2	0	1.2	1	0.348	0	2.595	-1	7.459	-1	2070	45	1.6
9789.0	10000	38.6383	95.2369	-558	PD	2.9	-1	9.3	0	1.2	1	0.310	0	2.305	-1	7.426	-1	2076	49	1.6
9789.1	10000	38.6383	95.2360	-557	PD	3.0	0	9.5	0	1.2	1	0.318	0	2.445	-1	7.689	-1	2089	43	1.6
9789.2	10000	38.6383	95.2352	-557	PD	3.2	0	9.4	0	1.3	1	0.344	0	2.577	-1	7.494	-1	2093	50	1.6
9789.3	10000	38.6384	95.2343	-557	PD	3.1	0	9.5	0	1.2	1	0.328	0	2.570	-1	7.831	-1	2079	50	1.6
9789.4	10000	38.6384	95.2335	-557	PD	3.0	0	9.8	0	1.2	1	0.304	0	2.540	-1	8.364	-1	2069	45	1.6
9789.5	10000	38.6384	95.2326	-558	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9789.6	10000	38.6384	95.2317	-559	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9789.7	10000	38.6384	95.2309	-559	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9789.8	10000	38.6384	95.2300	-560	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9789.9	10000	38.6384	95.2292	-561	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9790.0	10000	38.6384	95.2283	-561	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9790.1	10000	38.6384	95.2274	-558	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9790.2	10000	38.6384	95.2266	-551	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9790.3	10000	38.6384	95.2257	-554	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9790.4	10000	38.6384	95.2249	-563	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9790.5	10000	38.6384	95.2240	-568	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9790.6	10000	38.6384	95.2231	-570	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9790.7	10000	38.6385	95.2223	-573	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9790.8	10000	38.6385	95.2214	-577	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9790.9	10000	38.6385	95.2206	-578	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9791.0	10000	38.6385	95.2197	-574	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9791.1	10000	38.6385	95.2188	-572	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9791.2	10000	38.6385	95.2180	-578	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9791.3	10000	38.6385	95.2171	-583	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9791.4	10000	38.6385	95.2163	-585	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9791.5	10000	38.6385	95.2154	-587	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6
9791.6	10000	38.6385	95.2145	-588	PD	3.0	0	9.7	0	1.2	1	0.309	0	2.540	-1	8.744	0	2053	53	1.6

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9791.7	10000	38.6385	95.2137	-590	PLP	3.2	0	10.1	0	1.1	-1	0.318	0	3.025	0	9.516	1	2022	52	1.7
9791.8	10000	38.6385	95.2128	-591	PLP	3.1	0	10.2	1	1.1	0	0.300	-1	2.739	0	9.141	0	2034	49	1.7
9791.9	10000	38.6385	95.2120	-592	PLP	3.1	0	9.8	0	1.1	0	0.317	0	2.734	0	8.616	0	2021	51	1.7
9792.0	10000	38.6385	95.2111	-592	PLP	2.9	-1	10.2	1	1.1	0	0.289	-1	2.619	0	9.051	0	2001	56	1.7
9792.1	10000	38.6385	95.2103	-593	PKC	2.7	-1	9.6	0	1.2	0	0.280	-1	2.297	-1	8.212	0	1972	50	1.7
9792.2	10000	38.6385	95.2094	-595	PKC	2.6	-1	9.4	0	1.2	0	0.277	-1	2.188	-1	7.901	0	1955	34	1.7
9792.3	10000	38.6386	95.2085	-597	PKC	2.6	-1	9.0	0	1.2	0	0.286	-1	2.159	-1	7.544	-1	1938	48	1.7
9792.4	10000	38.6386	95.2077	-597	PKC	2.5	-1	9.0	0	1.2	0	0.280	-1	2.187	-1	7.805	0	1905	59	1.7
9792.5	10000	38.6386	95.2068	-598	PKC	2.6	-1	8.4	-1	1.1	0	0.313	-1	2.401	-1	7.679	-1	1850	51	1.7
9792.6	10000	38.6386	95.2060	-599	PKC	2.5	-1	8.1	-1	1.1	0	0.312	-1	2.399	-1	7.698	-1	1795	53	1.7
9792.7	10000	38.6385	95.2052	-600	PKC	2.4	-2	7.7	-1	1.0	-1	0.310	-1	2.292	-1	7.385	-1	1773	50	1.7
9792.8	10000	38.6385	95.2044	-600	PKC	2.6	-1	7.5	-1	1.0	-1	0.355	0	2.541	-1	7.166	-1	1761	50	1.7
9792.9	10000	38.6385	95.2036	-601	PKC	2.7	-1	7.1	-2	1.1	0	0.386	0	2.588	-1	6.702	-1	1762	60	1.7
9793.0	10000	38.6385	95.2028	-601	PKC	2.6	-1	7.5	-1	1.1	0	0.351	0	2.432	-1	6.925	-1	1781	45	1.7
9793.1	10000	38.6385	95.2020	-602	PKC	2.5	-1	7.6	-1	1.1	0	0.324	0	2.293	-1	7.074	-1	1818	43	1.7
9793.2	10000	38.6385	95.2012	-603	PKC	2.3	-2	7.9	-1	1.1	0	0.295	-1	2.091	-1	7.085	-1	1867	49	1.7
9793.3	10000	38.6385	95.2004	-604	PKC	2.4	-2	8.7	0	1.2	0	0.271	-1	1.999	-1	7.385	-1	1927	46	1.7
9793.4	10000	38.6385	95.1996	-605	PKC	2.6	-1	8.7	0	1.2	0	0.294	-1	2.103	-1	7.154	-1	1965	52	1.7
9793.5	10000	38.6384	95.1988	-605	PKC	2.4	-2	9.1	0	1.2	1	0.261	-1	1.923	-2	7.367	-1	1989	47	1.7
9793.6	10000	38.6384	95.1980	-606	PKC	2.4	-2	9.5	0	1.2	0	0.248	-1	1.954	-1	7.880	0	1983	57	1.7
9793.7	10000	38.6384	95.1972	-607	PKC	2.3	-2	9.4	0	1.2	0	0.250	-1	1.978	-1	7.899	0	1979	51	1.7
9793.8	10000	38.6384	95.1964	-608	PKC	2.4	-2	9.3	0	1.2	0	0.259	-1	2.031	-1	7.852	0	1966	44	1.7
9793.9	10000	38.6384	95.1956	-609	PKC	2.4	-2	9.5	0	1.2	0	0.255	-1	2.062	-1	8.101	0	1969	54	1.7
9794.0	10000	38.6384	95.1949	-609	PKC	2.3	-2	9.9	0	1.1	0	0.238	-2	2.053	-1	8.621	0	1969	43	1.7
9794.1	10000	38.6384	95.1940	-610	PLP	2.4	-2	10.3	1	1.1	0	0.229	-2	2.067	-1	9.009	0	1976	35	1.7
9794.2	10000	38.6384	95.1933	-612	PLP	2.5	-2	10.7	1	1.1	0	0.230	-2	2.246	-1	9.748	1	1989	55	1.7
9794.3	10000	38.6383	95.1925	-613	PLP	2.5	-2	10.5	1	1.1	0	0.239	-2	2.358	-1	9.850	1	2012	45	1.7
9794.4	10000	38.6383	95.1917	-614	PLP	2.7	-2	10.4	1	1.1	0	0.262	-2	2.514	-1	9.608	1	2027	41	1.7
9794.5	10000	38.6383	95.1909	-616	PLP	2.8	-2	10.0	1	1.1	0	0.282	-2	2.488	-1	9.563	1	2019	44	1.7
9794.6	10000	38.6383	95.1901	-617	PLP	2.8	-2	9.7	1	1.1	0	0.288	-2	2.605	-1	9.225	1	1978	44	1.7
9794.7	10000	38.6383	95.1893	-619	PLP	2.8	-2	9.5	1	1.1	0	0.299	-2	2.625	-1	9.646	1	1941	43	1.7
9794.8	10000	38.6383	95.1885	-619	PLP	2.8	-2	9.4	1	1.1	0	0.294	-2	2.404	-1	9.341	1	1911	45	1.7
9794.9	10000	38.6383	95.1877	-619	PLP	2.8	-2	9.4	1	1.1	0	0.250	-2	2.431	-1	9.127	1	1883	58	1.7
9795.0	10000	38.6382	95.1869	-621	PLP	2.8	-2	9.4	1	1.1	0	0.242	-2	2.360	-1	9.021	1	1855	49	1.7
9795.1	10000	38.6382	95.1861	-622	PLP	2.8	-2	9.4	1	1.1	0	0.247	-2	2.181	-1	8.719	1	1815	49	1.7
9795.2	10000	38.6382	95.1853	-623	PLP	2.8	-2	9.4	1	1.1	0	0.227	-2	2.297	-1	8.473	1	1808	64	1.7
9795.3	10000	38.6382	95.1845	-624	PPD	2.8	-2	9.4	1	1.1	0	0.268	-2	2.419	-1	8.799	1	1822	49	1.7
9795.4	10000	38.6382	95.1837	-626	PPD	2.8	-2	9.4	1	1.1	0	0.262	-2	2.344	-1	8.308	1	1839	48	1.7
9795.5	10000	38.6382	95.1829	-627	PPD	2.8	-2	9.4	1	1.1	0	0.258	-2	2.700	-1	9.064	1	1851	44	1.7
9795.6	10000	38.6382	95.1821	-629	PPD	2.8	-2	9.4	1	1.1	0	0.304	-2	2.566	-1	8.778	1	1863	58	1.7
9795.7	10000	38.6382	95.1813	-631	PPD	2.8	-2	9.4	1	1.1	0	0.309	-2	2.521	-1	8.757	1	1883	49	1.7
9795.8	10000	38.6381	95.1805	-634	PPD	2.8	-2	9.4	1	1.1	0	0.309	-2	2.741	-1	9.025	1	1931	58	1.7
9795.9	10000	38.6381	95.1797	-636	PPD	2.8	-2	9.4	1	1.1	0	0.309	-2	2.584	-1	8.368	1	1958	46	1.7
9796.0	10000	38.6381	95.1789	-639	PPD	2.8	-2	9.4	1	1.1	0	0.309	-2	2.622	-1	8.485	1	1988	50	1.7
9796.1	10000	38.6381	95.1781	-641	PPD	2.8	-2	9.4	1	1.1	0	0.309	-2	2.825	-1	8.962	1	2016	45	1.7
9796.2	10000	38.6381	95.1773	-644	PPD	2.8	-2	9.4	1	1.1	0	0.309	-2	2.888	-1	9.185	1	2043	59	1.7
9796.3	10000	38.6381	95.1765	-646	PPD	2.8	-2	9.4	1	1.1	0	0.309	-2	2.694	-1	8.430	1	2066	52	1.7
9796.4	10000	38.6381	95.1757	-649	PPD	2.8	-2	9.4	1	1.1	0	0.309	-2	2.773	-1	8.824	1	2088	52	1.7
9796.5	10000	38.6381	95.1749	-650	PPD	2.8	-2	9.4	1	1.1	0	0.309	-2	2.632	-1	8.897	1	2072	42	1.7
9796.6	10000	38.6380	95.1741	-652	PPD	2.8	-2	9.4	1	1.1	0	0.309	-2	2.752	-1	8.522	1	2078	43	1.7
9796.7	10000	38.6380	95.1733	-656	PPD	2.8	-2	9.4	1	1.1	0	0.309	-2	2.623	-1	8.356	1	2086	43	1.7
9796.8	10000	38.6380	95.1725	-659	PPD	2.8	-2	9.4	1	1.1	0	0.309	-2	2.544	-1	8.281	1	2086	43	1.7

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9796.9	10000	38.6380	95.1717	-661	PD	2.9	-1	10.7	1	1.2	0	0.267	-1	2.418	-1	9.053	0	2088	41	1.7
9797.0	10000	38.6380	95.1709	-664	PD	2.8	-1	10.9	1	1.2	1	0.260	-1	2.302	-1	8.870	0	2088	47	1.7
9797.1	10000	38.6380	95.1701	-665	PD	2.6	-1	10.5	1	1.2	1	0.245	-2	2.119	-1	8.649	0	2070	54	1.7
9797.2	10000	38.6380	95.1693	-667	PD	2.4	-2	10.6	1	1.2	1	0.229	-2	1.978	-2	8.630	0	2071	35	1.7
9797.3	10000	38.6380	95.1685	-670	PD	2.4	-2	10.5	1	1.2	1	0.232	-2	1.957	-2	8.446	0	2073	55	1.7
9797.4	10000	38.6379	95.1677	-672	PD	2.4	-2	10.3	1	1.2	1	0.232	-2	1.956	-2	8.433	0	2062	48	1.7
9797.5	10000	38.6379	95.1669	-674	PD	2.4	-2	10.0	0	1.2	1	0.237	-2	1.981	-2	8.352	0	2032	70	1.7
9797.6	10000	38.6379	95.1662	-676	PD	2.7	-1	9.9	0	1.1	0	0.270	-1	2.356	-1	8.725	0	1987	59	1.7
9797.7	10000	38.6379	95.1654	-678	PD	2.7	-1	9.1	0	1.0	0	0.296	-1	2.616	-1	8.849	0	1938	62	1.7
9797.8	10000	38.6379	95.1646	-680	PD	2.9	-1	9.1	0	1.0	-1	0.317	0	2.877	0	9.064	0	1920	52	1.7
9797.9	10000	38.6379	95.1638	-682	PD	3.1	0	9.0	-1	1.0	-1	0.344	0	3.084	0	8.976	0	1907	46	1.7
9798.0	10000	38.6379	95.1630	-683	PD	3.0	0	8.8	-1	1.0	-1	0.340	0	3.073	0	9.030	0	1902	52	1.7
9798.1	10000	38.6378	95.1622	-685	PD	3.0	0	8.8	-1	1.0	-1	0.339	0	3.015	0	8.900	0	1908	59	1.7
9798.2	10000	38.6378	95.1614	-686	PD	3.0	0	8.6	-1	1.0	-1	0.342	0	2.974	0	8.685	0	1918	55	1.7
9798.3	10000	38.6378	95.1606	-688	PD	2.8	-1	8.6	-1	1.1	0	0.328	0	2.682	0	8.174	-1	1936	65	1.7
9798.4	10000	38.6378	95.1598	-689	PD	2.9	-1	8.6	-1	1.1	0	0.340	0	2.648	-1	7.787	-1	1949	53	1.7
9798.5	10000	38.6378	95.1590	-690	PD	2.8	-1	8.5	-1	1.1	0	0.335	0	2.577	-1	7.696	-1	1939	62	1.7
9798.6	10000	38.6378	95.1582	-691	PD	2.8	-1	8.4	-1	1.1	0	0.332	0	2.620	-1	7.885	-1	1935	42	1.7
9798.7	10000	38.6378	95.1574	-692	PD	2.8	-1	8.7	-1	1.0	0	0.326	0	2.730	0	8.366	0	1919	42	1.6
9798.8	10000	38.6378	95.1566	-693	PD	2.9	-1	8.7	-1	1.0	-1	0.336	0	3.026	0	9.013	0	1893	53	1.6
9798.9	10000	38.6377	95.1558	-693	PD	3.1	0	8.3	-1	1.0	-1	0.380	1	3.147	0	8.286	0	1896	46	1.6
9799.0	10000	38.6377	95.1550	-693	PD	3.5	1	8.2	-1	1.0	0	0.426	2	3.374	1	7.918	-1	1922	59	1.6
9799.1	10000	38.6377	95.1542	-694	PD	3.4	0	8.7	-1	1.0	0	0.386	1	3.294	1	8.531	0	1941	54	1.6
9799.2	10000	38.6377	95.1534	-696	PD	3.3	0	8.9	-1	1.0	0	0.370	1	3.157	0	8.528	0	1966	53	1.6
9799.3	10000	38.6377	95.1526	-698	PD	3.4	0	8.8	-1	1.1	0	0.382	1	3.145	0	8.224	-1	1973	53	1.6
9799.4	10000	38.6377	95.1518	-699	PD	3.4	0	9.0	-1	1.1	0	0.385	1	3.147	0	8.182	-1	2000	48	1.6
9799.5	10000	38.6377	95.1510	-700	PD	3.4	0	9.2	0	1.1	0	0.366	1	2.952	0	8.059	-1	2028	54	1.6
9799.6	10000	38.6376	95.1502	-700	PD	3.1	0	9.8	1	1.1	0	0.319	0	2.754	0	8.625	0	2035	30	1.6
9799.7	10000	38.6376	95.1494	-700	PD	2.6	-1	10.6	1	1.1	0	0.241	-2	2.265	-1	9.398	0	2046	56	1.6
9799.8	10000	38.6376	95.1486	-700	PD	2.5	-1	10.8	1	1.1	0	0.231	-2	2.293	-1	9.268	0	2059	54	1.6
9799.9	10000	38.6376	95.1478	-700	PD	2.6	-1	10.8	1	1.1	0	0.241	-2	2.356	-1	9.766	0	2066	55	1.6
9800.0	10000	38.6376	95.1470	-700	PD	2.6	-1	10.8	1	1.1	0	0.241	-2	2.240	-1	9.723	0	2066	42	1.6
9800.1	10000	38.6376	95.1462	-701	PD	2.6	-1	10.7	1	1.1	0	0.243	-2	2.246	-1	9.675	0	2060	60	1.6
9800.2	10000	38.6376	95.1454	-702	PD	2.6	-1	10.3	1	1.1	0	0.252	-2	2.349	-1	9.484	0	2074	47	1.6
9800.3	10000	38.6376	95.1446	-703	PD	2.6	-1	10.1	1	1.1	0	0.257	-2	2.388	-1	9.676	0	2084	47	1.6
9800.4	10000	38.6375	95.1438	-704	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.461	-1	9.404	0	2071	52	1.6
9800.5	10000	38.6375	95.1430	-706	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.498	-1	9.326	0	2067	52	1.6
9800.6	10000	38.6375	95.1422	-709	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.461	-1	9.403	0	2069	56	1.6
9800.7	10000	38.6375	95.1414	-711	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.498	-1	9.404	0	2085	54	1.6
9800.8	10000	38.6375	95.1406	-713	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.498	-1	9.326	0	2095	48	1.6
9800.9	10000	38.6375	95.1398	-716	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.498	-1	9.403	0	2089	61	1.6
9801.0	10000	38.6375	95.1391	-721	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.498	-1	9.326	0	2086	41	1.6
9801.1	10000	38.6375	95.1383	-727	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.498	-1	9.403	0	2086	44	1.6
9801.2	10000	38.6374	95.1375	-732	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.498	-1	9.326	0	2080	57	1.6
9801.3	10000	38.6374	95.1367	-736	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.498	-1	9.403	0	2067	58	1.6
9801.4	10000	38.6374	95.1359	-741	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.498	-1	9.326	0	2063	47	1.6
9801.5	10000	38.6374	95.1351	-745	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.498	-1	9.403	0	2079	52	1.6
9801.6	10000	38.6374	95.1343	-749	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.498	-1	9.326	0	2072	58	1.6
9801.7	10000	38.6374	95.1335	-751	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.498	-1	9.403	0	2068	47	1.6
9801.8	10000	38.6374	95.1327	-753	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.498	-1	9.326	0	2072	43	1.6
9801.9	10000	38.6373	95.1319	-756	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.498	-1	9.403	0	2068	50	1.6
9802.0	10000	38.6373	95.1311	-759	PD	2.6	-1	9.9	1	1.1	0	0.262	-2	2.498	-1	9.326	0	2068	50	1.6

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9802.1	10000	38.6373	95.1303	-762	PD	3.4	1	10.1	0	1.1	0	0.338	0	2.987	0	8.830	0	2086	52	1.5
9802.2	10000	38.6373	95.1295	-763	PD	3.4	1	10.2	0	1.2	0	0.335	0	2.835	0	8.465	0	2103	46	1.5
9802.3	10000	38.6373	95.1287	-764	PD	3.5	1	10.2	0	1.2	0	0.341	0	2.897	0	8.505	0	2127	55	1.5
9802.4	10000	38.6373	95.1279	-768	PD	3.2	1	10.1	0	1.2	0	0.317	0	2.712	0	8.563	0	2133	54	1.5
9802.5	10000	38.6373	95.1271	-770	PD	3.1	0	10.2	0	1.2	0	0.308	0	2.672	0	8.681	0	2119	56	1.5
9802.6	10000	38.6372	95.1263	-772	PD	3.0	0	9.9	1	1.2	1	0.300	-1	2.460	-1	8.197	-1	2119	43	1.5
9802.7	10000	38.6372	95.1255	-774	PD	3.0	0	10.1	0	1.2	1	0.299	-1	2.492	-1	8.322	0	2113	61	1.5
9802.8	10000	38.6372	95.1247	-779	PD	2.9	-1	10.2	0	1.2	1	0.288	-1	2.469	-1	8.575	0	2094	51	1.5
9802.9	10000	38.6372	95.1239	-782	PD	2.8	-1	10.4	0	1.2	1	0.272	-1	2.366	-1	8.685	0	2078	48	1.5
9803.0	10000	38.6372	95.1231	-786	PD	2.6	-1	10.6	0	1.2	1	0.249	-2	2.139	-1	8.581	0	2063	51	1.5
9803.1	10000	38.6372	95.1223	-788	PD	2.5	-1	10.8	0	1.3	1	0.233	-2	2.010	-2	8.614	0	2069	52	1.5
9803.2	10000	38.6372	95.1215	-791	PD	2.7	-1	10.7	0	1.2	1	0.251	-1	2.184	-1	8.708	0	2070	57	1.5
9803.3	10000	38.6372	95.1207	-794	PD	2.9	-1	10.8	0	1.3	1	0.270	-1	2.292	-1	8.474	0	2089	54	1.5
9803.4	10000	38.6371	95.1199	-797	PD	2.8	-1	10.9	0	1.3	1	0.258	-1	2.218	-1	8.601	0	2105	39	1.5
9803.5	10000	38.6371	95.1191	-799	PD	2.8	-1	11.0	1	1.3	1	0.253	-1	2.101	-1	8.289	0	2129	39	1.5
9803.6	10000	38.6371	95.1183	-801	PLP	2.7	-1	10.7	0	1.3	1	0.258	-1	2.064	-1	8.008	0	2144	41	1.5
9803.7	10000	38.6371	95.1175	-804	PLP	3.0	-1	10.6	0	1.4	1	0.281	-1	2.195	-1	7.822	-1	2152	53	1.5
9803.8	10000	38.6371	95.1167	-807	PLP	3.1	-1	10.1	0	1.3	1	0.304	-1	2.292	-1	7.542	-1	2153	58	1.5
9803.9	10000	38.6371	95.1159	-810	PLP	3.1	-1	10.1	0	1.4	1	0.304	-1	2.235	-1	7.363	-1	2152	50	1.5
9804.0	10000	38.6371	95.1151	-812	PLP	3.0	-1	10.1	0	1.3	1	0.293	-1	2.237	-1	7.626	-1	2123	53	1.5
9804.1	10000	38.6371	95.1143	-815	PLP	3.1	0	9.9	0	1.3	1	0.306	-1	2.266	-1	7.413	-1	2125	44	1.5
9804.2	10000	38.6370	95.1135	-817	PLP	3.2	0	9.7	0	1.3	1	0.330	0	2.498	-1	7.567	-1	2099	58	1.5
9804.3	10000	38.6370	95.1127	-819	PLP	3.2	0	9.5	0	1.2	1	0.345	0	2.644	0	7.662	-1	2090	43	1.5
9804.4	10000	38.6370	95.1120	-820	PLP	3.3	0	9.4	0	1.2	1	0.370	1	2.938	0	7.950	0	2087	47	1.5
9804.5	10000	38.6370	95.1111	-822	PLP	3.4	0	9.2	0	1.1	1	0.379	1	3.065	0	8.083	0	2071	43	1.5
9804.6	10000	38.6370	95.1104	-824	PLP	3.4	0	9.8	0	1.1	1	0.397	1	3.103	0	7.811	-1	2064	52	1.5
9804.7	10000	38.6370	95.1096	-825	PLP	3.6	0	8.8	0	1.2	1	0.406	1	3.179	0	7.823	-1	2075	44	1.5
9804.8	10000	38.6370	95.1088	-825	PLP	3.4	0	8.3	0	1.2	1	0.420	2	3.936	1	6.988	-1	2063	51	1.5
9804.9	10000	38.6369	95.1080	-824	PLP	3.3	0	8.6	0	1.2	1	0.401	1	3.787	0	6.955	-1	2079	41	1.5
9805.0	10000	38.6369	95.1072	-822	PLP	3.4	0	8.6	0	1.2	1	0.410	1	3.951	0	7.198	-1	2071	50	1.5
9805.1	10000	38.6369	95.1064	-820	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2066	50	1.5
9805.2	10000	38.6369	95.1056	-819	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2052	49	1.5
9805.3	10000	38.6369	95.1048	-817	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2044	55	1.5
9805.4	10000	38.6369	95.1040	-815	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2018	64	1.5
9805.5	10000	38.6369	95.1032	-813	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2004	52	1.5
9805.6	10000	38.6368	95.1024	-811	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	1982	54	1.5
9805.7	10000	38.6368	95.1016	-808	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	1975	44	1.5
9805.8	10000	38.6368	95.1008	-806	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	1965	45	1.5
9805.9	10000	38.6368	95.1000	-804	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	1990	35	1.5
9806.0	10000	38.6368	95.0992	-802	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2029	49	1.5
9806.1	10000	38.6368	95.0984	-800	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2074	47	1.5
9806.2	10000	38.6368	95.0976	-798	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2099	43	1.5
9806.3	10000	38.6367	95.0968	-796	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2119	38	1.5
9806.4	10000	38.6367	95.0960	-794	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2132	62	1.5
9806.5	10000	38.6367	95.0952	-792	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2148	66	1.5
9806.6	10000	38.6367	95.0944	-790	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2159	48	1.5
9806.7	10000	38.6367	95.0936	-788	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2147	57	1.5
9806.8	10000	38.6367	95.0928	-786	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2141	49	1.5
9806.9	10000	38.6367	95.0920	-784	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2129	33	1.5
9807.0	10000	38.6366	95.0912	-781	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2134	46	1.5
9807.1	10000	38.6366	95.0904	-778	PLP	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2143	45	1.5
9807.2	10000	38.6366	95.0896	-778	PD	3.4	0	8.6	0	1.2	1	0.383	1	3.668	0	6.887	-1	2147	42	1.5

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9807.3	10000	38.6366	95.0888	-774	PD	3.8	1	10.0	0	1.1	0	0.378	1	3.315	1	8.775	0	2139	51	1.5
9807.4	10000	38.6366	95.0880	-771	PD	3.8	1	9.7	0	1.1	0	0.393	1	3.329	1	8.470	0	2127	43	1.5
9807.5	10000	38.6366	95.0872	-768	PD	3.3	0	10.1	0	1.2	1	0.330	1	2.746	0	8.323	0	2118	56	1.5
9807.6	10000	38.6366	95.0864	-766	PD	3.3	0	10.1	0	1.2	1	0.328	0	2.704	0	8.239	0	2122	46	1.5
9807.7	10000	38.6366	95.0856	-763	PD	3.5	1	9.7	0	1.2	1	0.362	1	2.951	0	8.142	-1	2116	41	1.5
9807.8	10000	38.6365	95.0848	-760	PD	3.6	1	9.8	0	1.2	1	0.365	1	2.928	0	8.032	-1	2123	57	1.5
9807.9	10000	38.6366	95.0840	-758	PD	3.6	1	9.9	0	1.2	1	0.363	1	3.006	0	8.283	0	2134	54	1.5
9808.0	10000	38.6365	95.0832	-756	PD	3.5	1	10.0	0	1.2	1	0.354	0	2.961	0	8.375	0	2131	36	1.5
9808.1	10000	38.6366	95.0823	-755	PD	3.4	1	10.4	0	1.2	1	0.330	0	2.953	0	8.935	0	2116	43	1.5
9808.2	10000	38.6365	95.0815	-754	PD	3.6	1	10.0	0	1.2	1	0.357	0	3.037	0	8.518	0	2099	42	1.5
9808.3	10000	38.6365	95.0807	-753	PD	3.5	1	10.1	0	1.2	1	0.343	0	2.898	0	8.443	0	2093	39	1.5
9808.4	10000	38.6366	95.0798	-752	PD	3.4	0	10.6	0	1.2	1	0.317	0	2.773	0	8.759	0	2076	47	1.5
9808.5	10000	38.6366	95.0790	-752	PD	3.2	0	10.6	0	1.2	1	0.298	-1	2.708	0	9.100	0	2055	40	1.5
9808.6	10000	38.6366	95.0781	-752	PD	3.1	0	10.4	0	1.2	1	0.301	-1	2.669	0	8.860	0	2028	55	1.5
9808.7	10000	38.6366	95.0773	-751	PD	3.2	0	10.2	0	1.2	1	0.309	0	2.611	-1	8.452	0	2021	53	1.5
9808.8	10000	38.6365	95.0765	-752	PD	3.0	0	9.9	0	1.2	1	0.307	0	2.463	-1	8.021	-1	2019	45	1.5
9808.9	10000	38.6366	95.0756	-753	PD	2.9	-1	9.6	0	1.2	1	0.297	-1	2.458	-1	8.287	0	2017	45	1.5
9809.0	10000	38.6366	95.0748	-754	PD	3.2	0	9.5	0	1.2	1	0.341	0	2.868	0	8.402	0	2009	36	1.5
9809.1	10000	38.6366	95.0739	-755	PD	3.4	0	9.5	1	1.2	1	0.366	1	2.830	-1	7.726	-1	2032	67	1.5
9809.2	10000	38.6366	95.0731	-754	PD	3.6	1	9.5	1	1.2	1	0.394	1	2.953	-1	7.503	-1	2045	41	1.5
9809.3	10000	38.6366	95.0723	-755	PD	3.6	1	9.6	1	1.3	1	0.396	1	2.784	-1	7.022	-1	2074	56	1.5
9809.4	10000	38.6366	95.0714	-758	PD	3.5	1	9.7	1	1.3	1	0.387	1	2.784	-1	7.188	-1	2069	49	1.5
9809.5	10000	38.6366	95.0706	-759	PD	3.4	1	9.8	1	1.3	1	0.374	1	2.692	0	7.193	-1	2080	46	1.5
9809.6	10000	38.6366	95.0697	-759	PD	3.4	1	9.9	1	1.3	1	0.346	0	2.557	-1	7.381	-1	2096	39	1.5
9809.7	10000	38.6366	95.0689	-760	PD	3.0	0	10.1	1	1.4	2	0.292	-1	2.153	-1	7.368	-1	2096	62	1.5
9809.8	10000	38.6366	95.0681	-761	PD	2.9	-1	10.4	1	1.3	1	0.281	-1	2.217	-1	7.902	-1	2083	52	1.5
9809.9	10000	38.6366	95.0672	-761	PD	2.8	-1	10.4	1	1.3	1	0.269	-1	2.129	-1	7.908	-1	2065	35	1.5
9810.0	10000	38.6366	95.0664	-762	PD	2.6	-1	10.6	1	1.3	1	0.248	-2	2.039	-2	8.235	-1	2057	50	1.5
9810.1	10000	38.6366	95.0656	-762	PD	2.4	-1	10.8	1	1.3	1	0.223	-2	1.825	-2	8.190	-1	2063	50	1.5
9810.2	10000	38.6366	95.0647	-762	PL	2.6	-1	10.8	1	1.3	1	0.250	-2	1.972	-2	7.901	-1	2059	35	1.5
9810.3	10000	38.6366	95.0639	-762	PL	2.7	-1	10.8	1	1.3	1	0.266	-2	2.131	-2	7.997	-1	2045	51	1.4
9810.4	10000	38.6366	95.0630	-763	PL	3.0	0	10.6	1	1.3	1	0.294	-1	2.458	-1	8.352	-1	2031	59	1.4
9810.5	10000	38.6366	95.0622	-763	PL	3.3	1	10.3	1	1.3	1	0.302	-1	2.506	-1	8.298	-1	2010	39	1.4
9810.6	10000	38.6366	95.0614	-763	PL	3.3	1	10.3	1	1.3	1	0.331	-1	2.677	-1	8.095	-1	1979	45	1.4
9810.7	10000	38.6366	95.0605	-763	PL	3.3	1	10.2	1	1.3	1	0.341	-1	2.926	-1	8.577	-1	1936	45	1.4
9810.8	10000	38.6366	95.0597	-763	PL	3.2	1	10.0	1	1.3	1	0.403	-1	2.468	-1	8.612	-1	1905	52	1.4
9810.9	10000	38.6366	95.0588	-763	PL	3.0	0	9.9	1	1.3	1	0.377	-1	2.448	-1	8.151	-1	1882	53	1.4
9811.0	10000	38.6366	95.0580	-764	PL	2.8	0	9.8	1	1.3	1	0.373	-1	2.367	-1	8.033	-1	1869	46	1.4
9811.1	10000	38.6366	95.0572	-764	PL	2.7	-1	9.8	1	1.3	1	0.403	-1	2.588	-1	8.896	-1	1870	48	1.4
9811.2	10000	38.6366	95.0563	-763	PL	2.7	-1	9.8	1	1.3	1	0.391	-1	2.408	-1	8.717	-1	1880	50	1.4
9811.3	10000	38.6366	95.0555	-763	PL	2.7	-1	9.8	1	1.3	1	0.365	-1	2.250	-1	8.913	-1	1895	43	1.4
9811.4	10000	38.6366	95.0546	-763	PL	2.7	-1	9.8	1	1.3	1	0.357	-1	2.173	-1	8.879	-1	1904	40	1.4
9811.5	10000	38.6366	95.0538	-762	PL	2.7	-1	9.8	1	1.3	1	0.327	-1	2.183	-1	8.737	-1	1914	54	1.4
9811.6	10000	38.6366	95.0530	-760	PL	2.7	-1	9.8	1	1.3	1	0.327	-1	2.247	-1	8.942	-1	1934	44	1.4
9811.7	10000	38.6366	95.0521	-755	PL	2.7	-1	9.8	1	1.3	1	0.326	-1	2.252	-1	8.880	-1	1939	54	1.4
9811.8	10000	38.6366	95.0513	-753	PL	2.7	-1	9.8	1	1.3	1	0.293	-1	2.088	-1	8.760	-1	1947	52	1.4
9811.9	10000	38.6366	95.0504	-754	PL	2.7	-1	9.8	1	1.3	1	0.299	-1	2.055	-1	8.538	-1	1953	51	1.4
9812.0	10000	38.6366	95.0496	-758	PL	2.7	-1	9.8	1	1.3	1	0.300	-1	2.080	-1	8.616	-1	1952	47	1.4
9812.1	10000	38.6366	95.0488	-761	PL	2.7	-1	9.8	1	1.3	1	0.295	-1	2.023	-1	8.441	-1	1956	48	1.4
9812.2	10000	38.6366	95.0479	-762	PL	2.7	-1	9.8	1	1.3	1	0.296	-1	2.025	-1	8.199	-1	1966	58	1.4
9812.3	10000	38.6366	95.0471	-761	PL	2.7	-1	9.8	1	1.3	1	0.300	-1	2.054	-1	8.426	-1	1971	49	1.4
9812.4	10000	38.6366	95.0463	-758	PL	2.9	-1	9.5	1	1.1	1	0.305	-1	2.023	-1	8.371	-1	1996	45	1.4

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
9812.5	10000	38.6366	95.0454	-756	PLP	3.0	0	9.9	0	1.1	0	0.307	-1	2.653	0	8.646	0	2010	34	1.3
9812.6	10000	38.6366	95.0446	-755	PLP	3.2	0	9.6	0	1.1	0	0.334	0	2.858	0	8.547	0	2019	61	1.3
9812.7	10000	38.6366	95.0437	-754	PLP	3.2	0	9.5	0	1.1	0	0.334	0	2.827	0	8.460	0	2029	50	1.3
9812.8	10000	38.6366	95.0429	-753	PLP	3.2	0	9.7	0	1.2	0	0.331	0	2.723	0	8.239	0	2044	41	1.3
9812.9	10000	38.6366	95.0421	-753	PLP	3.2	0	9.3	0	1.2	0	0.344	0	2.675	0	7.769	-1	2030	51	1.3
9813.0	10000	38.6366	95.0412	-752	PLP	3.1	0	9.2	0	1.2	0	0.336	0	2.600	0	7.745	-1	2015	41	1.3
9813.1	10000	38.6366	95.0404	-750	PLP	3.0	0	9.3	0	1.2	0	0.322	0	2.552	0	7.914	0	2003	29	1.3
9813.2	10000	38.6366	95.0396	-748	PLP	3.1	0	9.1	-1	1.2	0	0.342	0	2.633	0	7.705	-1	1994	43	1.3
9813.3	10000	38.6366	95.0387	-746	PLP	2.9	-1	9.7	0	1.2	0	0.302	-1	2.452	-1	8.121	0	1985	53	1.3
9813.4	10000	38.6366	95.0379	-744	PLP	2.8	-1	10.0	0	1.2	0	0.274	-1	2.237	-1	8.158	0	2006	42	1.3
9813.5	10000	38.6366	95.0370	-742	PLP	2.9	-1	9.8	0	1.2	0	0.293	-1	2.344	-1	8.004	0	2012	39	1.3
9813.6	10000	38.6366	95.0362	-741	PLP	3.0	0	9.9	0	1.2	0	0.300	-1	2.432	-1	8.106	0	2041	49	1.3
9813.7	10000	38.6366	95.0354	-739	PLP	3.0	0	10.3	1	1.2	1	0.292	-1	2.404	-1	8.240	0	2075	35	1.3
9813.8	10000	38.6366	95.0345	-738	PLP	3.1	0	10.7	1	1.2	1	0.294	-1	2.531	-1	8.608	0	2090	51	1.3
9813.9	10000	38.6366	95.0337	-738	PLP	3.1	0	10.7	1	1.3	1	0.292	-1	2.475	-1	8.480	0	2102	44	1.3
9814.0	10000	38.6366	95.0328	-736	PLP	3.0	0	10.6	1	1.2	1	0.284	-1	2.438	-1	8.578	0	2110	43	1.3
9814.1	10000	38.6366	95.0320	-736	PLP	3.3	0	10.6	1	1.2	0	0.306	-1	2.676	0	8.737	0	2100	51	1.3
9814.2	10000	38.6366	95.0312	-736	PLP	3.2	0	11.3	2	1.2	0	0.284	-1	2.728	0	9.593	1	2086	43	1.3
9814.3	10000	38.6366	95.0303	-736	PLP	3.0	0	11.5	2	1.2	0	0.260	-1	2.549	0	9.786	1	2071	55	1.3
9814.4	10000	38.6366	95.0295	-737	PLP	3.0	0	11.1	2	1.2	0	0.269	-1	2.478	-1	9.216	1	2054	51	1.3
9814.5	10000	38.6366	95.0286	-738	PLP	2.8	-1	11.0	2	1.2	0	0.258	-1	2.347	-1	9.099	0	2042	36	1.3
9814.6	10000	38.6366	95.0278	-736	PLP	2.9	-1	11.3	2	1.2	0	0.256	-1	2.342	-1	9.146	0	2057	54	1.3
9814.7	10000	38.6366	95.0270	-737	PLP	3.0	0	11.4	2	1.3	1	0.265	-1	2.383	-1	9.000	0	2089	50	1.3
9814.8	10000	38.6366	95.0261	-738	PLP	3.2	0	11.6	2	1.2	1	0.280	-1	2.594	0	9.279	1	2113	50	1.3
9814.9	10000	38.6366	95.0253	-737	PLP	3.2	0	11.2	2	1.2	1	0.287	-1	2.581	0	8.990	0	2108	43	1.3
9815.0	10000	38.6366	95.0244	-735	PLP	3.3	0	10.7	1	1.2	0	0.308	-1	2.725	0	8.848	0	2106	66	1.3
9815.1	10000	38.6366	95.0236	-737	PLP	3.4	1	11.0	1	1.1	0	0.314	0	3.064	0	9.772	1	2083	38	1.2
9815.2	10000	38.6366	95.0228	-741	PLP	3.7	1	11.0	1	1.1	0	0.340	0	3.458	1	10.158	1	2066	45	1.2
9815.3	10000	38.6366	95.0219	-743	PLP	3.4	0	10.8	1	1.0	-1	0.312	0	3.217	1	10.304	1	2023	55	1.2
9815.4	10000	38.6366	95.0211	-744	PLP	3.0	1	10.4	1	1.1	0	0.285	-1	2.946	0	10.332	1	1971	66	1.2
9815.5	10000	38.6366	95.0202	-745	PLP	3.6	1	10.4	1	1.1	0	0.349	0	3.459	1	9.865	1	1930	45	1.2
9815.6	10000	38.6366	95.0194	-745	PLP	3.6	1	10.5	1	1.1	0	0.348	0	3.403	1	9.689	1	1931	59	1.2
9815.7	10000	38.6366	95.0186	-744	PLP	3.7	1	10.6	1	1.1	0	0.353	0	3.536	1	9.684	1	1931	43	1.2
9815.8	10000	38.6366	95.0177	-744	PLP	3.6	1	10.6	1	1.1	0	0.340	0	3.360	1	9.430	1	1936	42	1.2
9815.9	10000	38.6366	95.0169	-747	PLP	3.6	1	10.4	1	1.1	0	0.347	0	3.272	1	9.157	1	1953	55	1.2
9816.0	10000	38.6366	95.0161	-748	PLP	3.7	1	10.4	1	1.1	0	0.357	0	3.428	1	9.458	1	1962	45	1.2
9816.1	10000	38.6366	95.0152	-750	PD	4.3	1	10.5	1	1.1	0	0.409	0	3.879	1	9.751	1	1978	44	1.2
9816.2	10000	38.6366	95.0144	-753	PD	4.0	1	10.7	1	1.1	0	0.374	0	3.220	1	10.156	1	1997	62	1.2
9816.3	10000	38.6366	95.0135	-755	PD	4.6	1	11.0	1	1.1	0	0.418	0	3.941	1	10.111	1	2007	53	1.2
9816.4	10000	38.6366	95.0127	-758	PD	4.6	1	11.1	1	1.1	0	0.414	0	3.831	1	10.349	1	2025	44	1.2
9816.5	10000	38.6366	95.0119	-759	PD	4.6	1	11.1	1	1.1	0	0.414	0	3.906	1	10.583	1	2029	49	1.2
9816.6	10000	38.6366	95.0110	-761	PD	4.6	1	11.1	1	1.1	0	0.413	0	3.810	1	10.691	1	2028	48	1.2
9816.7	10000	38.6366	95.0102	-764	PD	4.6	1	11.1	1	1.1	0	0.413	0	3.917	1	10.064	1	2053	46	1.2
9816.8	10000	38.6366	95.0094	-767	PD	4.6	1	11.1	1	1.1	0	0.413	0	3.759	1	10.313	1	2048	50	1.2
9816.9	10000	38.6366	95.0085	-770	PD	4.6	1	11.1	1	1.1	0	0.413	0	3.848	1	10.209	1	2047	48	1.2
9817.0	10000	38.6366	95.0077	-773	PD	4.6	1	11.1	1	1.1	0	0.413	0	3.713	1	10.543	1	2046	47	1.2
9817.1	10000	38.6366	95.0068	-777	PD	4.6	1	11.1	1	1.1	0	0.413	0	3.795	1	10.298	1	2024	43	1.2
9817.2	10000	38.6366	95.0060	-780	PD	4.6	1	11.1	1	1.1	0	0.413	0	3.832	1	10.329	1	2023	46	1.2
9817.3	10000	38.6366	95.0052	-784	PD	4.6	1	11.1	1	1.1	0	0.413	0	3.795	1	10.220	1	2005	47	1.2
9817.4	10000	38.6366	95.0043	-787	PD	4.6	1	11.1	1	1.1	0	0.413	0	3.795	1	10.220	1	1973	42	1.2
9817.5	10000	38.6366	95.0035	-791	PD	4.6	1	11.1	1	1.1	0	0.413	0	3.795	1	10.220	1	1956	53	1.2
9817.6	10000	38.6366	95.0026	-795	PD	4.6	1	11.1	1	1.1	0	0.413	0	3.795	1	10.220	1	1943	46	1.2

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9817.7	10000	38.6366	95.0018	-799	PD	3.4	0	9.6	0	1.0	-1	0.349	0	3.370	1	9.661	0	1934	68	1.2
9817.8	10000	38.6366	95.0010	-802	PD	3.2	0	9.8	0	0.9	-1	0.327	0	3.482	1	10.645	1	1948	65	1.2
9817.9	10000	38.6366	95.0001	-806	PD	3.4	0	10.0	0	0.9	-1	0.337	0	3.726	1	11.051	1	1956	67	1.3
9818.0	10000	38.6366	94.9993	-810	PD	3.4	1	10.0	0	0.9	-1	0.342	0	3.817	1	11.167	2	1959	50	1.3
9818.1	10000	38.6366	94.9984	-813	PD	3.4	0	9.7	0	0.9	-1	0.351	0	3.775	1	10.755	1	1967	43	1.3
9818.2	10000	38.6366	94.9976	-816	PD	3.3	0	9.8	0	0.9	-1	0.334	0	3.665	1	10.985	1	1964	54	1.3
9818.3	10000	38.6366	94.9968	-818	PD	3.4	0	10.0	0	0.9	-1	0.339	0	3.877	2	11.422	2	1956	42	1.3
9818.4	10000	38.6366	94.9959	-821	PD	3.2	0	9.6	0	0.9	-1	0.333	0	3.430	1	10.309	1	1951	64	1.3
9818.5	10000	38.6366	94.9951	-823	PD	3.2	0	9.1	0	1.0	-1	0.357	0	3.370	1	9.448	0	1926	59	1.3
9818.6	10000	38.6366	94.9942	-825	PD	2.9	0	9.0	-1	1.1	-1	0.328	0	2.983	1	9.082	0	1917	44	1.3
9818.7	10000	38.6366	94.9934	-827	PD	2.9	-1	9.0	-1	1.1	0	0.326	0	2.731	0	8.377	0	1935	49	1.3
9818.8	10000	38.6366	94.9926	-828	PD	2.8	-1	9.3	0	1.1	0	0.305	-1	2.541	-1	8.344	0	1939	58	1.3
9818.9	10000	38.6366	94.9917	-830	PD	3.0	0	9.3	0	1.2	0	0.328	0	2.596	-1	7.926	-1	1963	37	1.3
9819.0	10000	38.6366	94.9909	-832	PD	3.1	0	9.3	0	1.2	1	0.328	0	2.529	-1	7.717	-1	1984	45	1.3
9819.1	10000	38.6366	94.9901	-833	PD	3.1	0	9.7	0	1.1	0	0.314	0	2.681	0	8.534	0	2000	46	1.3
9819.2	10000	38.6366	94.9892	-835	PLP	3.2	0	10.2	0	1.2	0	0.312	0	2.759	0	8.840	0	2015	42	1.3
9819.3	10000	38.6366	94.9884	-836	PLP	3.4	0	9.7	0	1.2	0	0.345	0	2.827	0	8.203	0	2018	50	1.3
9819.4	10000	38.6366	94.9875	-838	PLP	3.2	0	9.8	0	1.1	0	0.327	0	2.807	0	8.585	0	2014	48	1.3
9819.5	10000	38.6366	94.9867	-839	PLP	3.4	0	9.6	0	1.1	0	0.350	0	3.010	0	8.590	0	2023	51	1.3
9819.6	10000	38.6366	94.9859	-839	PLP	3.2	0	9.7	0	1.1	0	0.329	0	2.981	0	9.050	0	2012	40	1.3
9819.7	10000	38.6366	94.9850	-840	PLP	3.3	0	9.5	0	1.1	0	0.345	0	3.054	0	8.864	0	2015	47	1.3
9819.8	10000	38.6366	94.9842	-840	PLP	3.2	0	9.5	-1	1.1	0	0.355	0	2.826	0	7.953	0	2012	40	1.3
9819.9	10000	38.6366	94.9833	-840	PLP	3.2	0	9.8	-1	1.1	0	0.360	0	2.801	0	7.774	-1	2020	55	1.3
9820.0	10000	38.6366	94.9825	-840	PLP	3.2	0	9.9	-1	1.1	0	0.354	0	2.832	0	8.004	0	2016	68	1.3
9820.1	10000	38.6366	94.9817	-841	PLP	3.2	0	9.9	-1	1.1	0	0.357	0	2.892	0	8.092	0	2011	49	1.3
9820.2	10000	38.6366	94.9808	-842	PLP	3.1	0	9.9	0	1.1	0	0.337	0	2.759	0	8.186	0	2019	43	1.3
9820.3	10000	38.6366	94.9800	-842	PLP	3.1	0	9.9	0	1.2	0	0.318	0	2.651	0	8.348	0	2042	56	1.4
9820.4	10000	38.6366	94.9791	-842	PLP	3.0	0	10.2	0	1.2	0	0.293	-1	2.599	0	8.862	0	2044	58	1.4
9820.5	10000	38.6366	94.9783	-842	PLP	2.9	-1	10.7	0	1.2	0	0.278	-1	2.575	0	9.261	1	2030	46	1.4
9820.6	10000	38.6366	94.9775	-842	PLP	2.7	-1	10.6	0	1.1	0	0.252	-2	2.346	-1	9.316	1	2022	52	1.4
9820.7	10000	38.6366	94.9766	-842	PKC	2.8	-1	10.9	0	1.1	0	0.256	-1	2.454	-1	9.577	1	2029	44	1.4
9820.8	10000	38.6366	94.9758	-841	PKC	2.9	-1	11.0	0	1.2	0	0.255	-1	2.410	-1	9.449	1	2030	54	1.4
9820.9	10000	38.6366	94.9750	-841	PKC	2.9	-1	10.6	0	1.1	0	0.271	-1	2.557	-1	9.445	1	1998	45	1.4
9821.0	10000	38.6366	94.9741	-840	PKC	2.9	-1	10.6	0	1.1	0	0.277	-1	2.583	-1	9.318	1	1973	54	1.4
9821.1	10000	38.6366	94.9733	-839	PKC	2.9	-1	10.0	0	1.1	0	0.296	-1	2.631	0	8.884	1	1953	48	1.4
9821.2	10000	38.6366	94.9724	-839	PKC	2.9	-1	9.9	0	1.1	0	0.312	-1	2.886	0	9.261	1	1957	45	1.4
9821.3	10000	38.6366	94.9716	-838	PKC	2.9	-1	9.9	0	1.1	0	0.324	-1	3.023	0	9.337	1	1948	53	1.4
9821.4	10000	38.6366	94.9708	-838	PKC	2.9	-1	9.4	0	1.1	0	0.303	-1	2.924	0	9.642	1	1941	62	1.4
9821.5	10000	38.6366	94.9699	-838	PKC	2.9	-1	9.3	0	1.1	0	0.291	-1	2.848	0	9.774	1	1950	52	1.4
9821.6	10000	38.6365	94.9691	-838	PKC	2.9	-1	9.3	0	1.1	0	0.284	-1	2.909	0	10.256	1	1967	55	1.4
9821.7	10000	38.6365	94.9683	-838	PKC	2.9	-1	9.3	0	1.1	0	0.305	-1	3.086	0	10.116	1	1965	53	1.4
9821.8	10000	38.6365	94.9675	-838	PKC	2.9	-1	9.3	0	1.1	0	0.290	-1	3.034	0	10.467	1	1973	46	1.4
9821.9	10000	38.6365	94.9666	-838	PKC	2.9	-1	9.3	0	1.1	0	0.301	-1	2.956	0	9.818	1	1978	61	1.4
9822.0	10000	38.6365	94.9658	-839	PKC	2.9	-1	9.3	0	1.1	0	0.302	-1	2.854	0	9.443	1	1975	43	1.4
9822.1	10000	38.6365	94.9650	-841	PKC	2.9	-1	9.3	0	1.1	0	0.324	-1	3.040	0	10.047	1	1991	50	1.4
9822.2	10000	38.6365	94.9642	-841	PKC	2.9	-1	9.3	0	1.1	0	0.319	-1	2.927	0	9.383	1	1989	33	1.4
9822.3	10000	38.6365	94.9633	-842	PKC	2.9	-1	9.3	0	1.1	0	0.312	-1	2.854	0	9.154	1	1976	44	1.4
9822.4	10000	38.6365	94.9625	-844	PKC	2.9	-1	9.3	0	1.1	0	0.305	-1	2.854	0	9.357	1	1975	41	1.5
9822.5	10000	38.6365	94.9617	-845	PKC	2.9	-1	9.3	0	1.1	0	0.316	-1	2.959	0	9.734	1	1954	46	1.5
9822.6	10000	38.6365	94.9608	-846	PKC	2.9	-1	9.3	0	1.1	0	0.297	-1	2.917	0	9.350	1	1938	42	1.5
9822.7	10000	38.6365	94.9600	-848	PKC	2.9	-1	9.3	0	1.1	0	0.311	-1	2.993	0	9.812	1	1929	33	1.5
9822.8	10000	38.6365	94.9592	-848	PKC	2.6	-1	9.4	0	1.0	-1	0.280	-1	2.524	-1	9.009	1	1916	41	1.5

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
9822.9	10000	38.6365	94.9584	-848	PKC	2.5	-1	8.9	0	1.0	-1	0.285	-1	2.443	-1	8.582	0	1904	47	1.5
9823.0	10000	38.6365	94.9576	-849	PKC	2.7	-1	9.0	0	1.0	-1	0.298	-1	2.633	0	8.846	0	1918	45	1.5
9823.1	10000	38.6364	94.9567	-852	PKC	2.7	-1	9.0	0	1.0	-1	0.297	-1	2.640	0	8.901	0	1933	45	1.5
9823.2	10000	38.6364	94.9559	-855	PKC	2.7	-1	9.2	0	1.0	-1	0.291	-1	2.631	0	9.042	1	1948	45	1.5
9823.3	10000	38.6364	94.9551	-858	PKC	2.7	-1	9.0	0	1.0	-1	0.297	-1	2.591	-1	8.733	0	1960	56	1.5
9823.4	10000	38.6364	94.9542	-860	PKC	2.9	-1	9.5	0	1.0	-1	0.304	-1	2.809	0	9.235	1	1968	38	1.5
9823.5	10000	38.6364	94.9534	-862	PKC	3.0	0	9.7	0	1.0	-1	0.315	-1	3.149	0	10.005	1	1957	65	1.5
9823.6	10000	38.6364	94.9526	-864	PKC	3.1	0	9.5	0	0.9	-1	0.331	0	3.435	1	10.389	2	1958	47	1.5
9823.7	10000	38.6364	94.9518	-866	PKC	3.3	0	9.4	0	0.9	-1	0.355	0	3.655	1	10.308	2	1944	49	1.5
9823.8	10000	38.6364	94.9509	-868	PKC	3.6	0	9.2	0	0.9	-1	0.387	0	4.007	1	10.352	2	1923	43	1.5
9823.9	10000	38.6364	94.9501	-870	P	3.2	0	9.0	0	0.9	-1	0.352	0	3.430	1	9.742	1	1922	45	1.5
9824.0	10000	38.6364	94.9493	-871	P	3.2	0	8.9	0	1.0	-1	0.355	0	3.307	0	9.309	1	1899	46	1.5
9824.1	10000	38.6364	94.9485	-873	PK	3.2	0	9.0	0	1.0	-1	0.360	0	3.381	1	9.381	1	1901	40	1.5
9824.2	10000	38.6364	94.9476	-875	PKC	3.4	0	8.7	0	0.9	-1	0.386	0	3.562	1	9.222	1	1899	48	1.5
9824.3	10000	38.6364	94.9468	-876	PKC	3.6	1	9.0	0	1.0	-1	0.400	1	3.557	1	8.895	0	1901	39	1.5
9824.4	10000	38.6363	94.9460	-877	PKC	3.3	0	8.8	0	1.0	-1	0.378	0	3.208	0	8.489	0	1907	47	1.5
9824.5	10000	38.6363	94.9451	-879	PKC	3.2	0	9.3	0	1.1	0	0.347	0	2.903	0	8.356	0	1934	48	1.5
9824.6	10000	38.6363	94.9443	-881	PKC	3.6	1	9.1	0	1.1	0	0.395	0	3.325	1	8.425	0	1934	45	1.5
9824.7	10000	38.6363	94.9435	-883	PKC	3.7	1	9.3	0	1.1	0	0.399	1	3.465	1	8.674	0	1969	43	1.6
9824.8	10000	38.6363	94.9427	-885	PKC	3.5	0	9.3	0	1.1	0	0.379	0	3.334	1	8.805	0	1984	51	1.6
9824.9	10000	38.6363	94.9418	-886	PKC	3.5	0	9.5	0	1.1	0	0.366	0	3.152	0	8.620	0	1998	42	1.6
9825.0	10000	38.6363	94.9410	-888	PKC	3.1	0	9.6	0	1.1	0	0.326	0	2.869	0	8.793	0	2004	45	1.6
9825.1	10000	38.6363	94.9402	-889	PKC	3.1	0	9.7	0	1.1	0	0.315	-1	2.814	0	8.946	0	1996	62	1.6
9825.2	10000	38.6363	94.9394	-890	PKC	2.9	-1	9.4	0	1.1	0	0.313	-1	2.723	0	8.704	0	1978	44	1.6
9825.3	10000	38.6363	94.9385	-892	PKC	3.0	-1	9.6	0	1.1	0	0.311	-1	2.712	0	8.732	0	1979	42	1.6
9825.4	10000	38.6363	94.9377	-893	PKC	2.8	-1	9.3	0	1.1	0	0.304	-1	2.515	-1	8.282	0	1963	53	1.6
9825.5	10000	38.6363	94.9369	-895	PKC	2.8	-1	9.2	0	1.1	0	0.309	-1	2.480	-1	8.031	0	1951	56	1.6
9825.6	10000	38.6363	94.9361	-896	PKC	2.8	-1	9.4	0	1.1	0	0.300	-1	2.529	-1	8.425	0	1932	61	1.6
9825.7	10000	38.6363	94.9352	-898	PKC	2.8	-1	9.2	0	1.1	0	0.315	-1	2.524	-1	8.024	0	1927	44	1.6
9825.8	10000	38.6362	94.9344	-899	PKC	3.0	-1	9.3	0	1.1	0	0.321	-1	2.547	-1	7.934	0	1947	48	1.6
9825.9	10000	38.6362	94.9336	-901	PKC	2.7	-1	9.2	0	1.1	0	0.313	-1	2.519	-1	8.055	0	1951	55	1.6
9826.0	10000	38.6362	94.9328	-902	PKC	2.8	-1	9.3	0	1.1	0	0.293	-1	2.343	-1	8.010	0	1952	38	1.6
9826.1	10000	38.6362	94.9319	-904	PKC	2.8	-1	9.3	0	1.1	0	0.279	-1	2.415	-1	8.652	0	1961	37	1.6
9826.2	10000	38.6362	94.9311	-905	PKC	2.8	-1	9.3	0	1.1	0	0.264	-1	2.265	-1	8.563	0	1981	52	1.6
9826.3	10000	38.6362	94.9303	-907	PKC	2.7	-1	9.1	0	1.1	0	0.259	-1	2.100	-1	8.114	0	2002	48	1.6
9826.4	10000	38.6362	94.9294	-909	PKC	2.8	-1	9.3	0	1.1	0	0.275	-1	2.380	-1	8.662	0	2000	41	1.6
9826.5	10000	38.6362	94.9286	-911	PKC	2.8	-1	9.3	0	1.1	0	0.281	-1	2.424	-1	8.622	0	1998	54	1.6
9826.6	10000	38.6362	94.9278	-913	PKC	2.8	-1	9.3	0	1.1	0	0.273	-1	2.523	-1	8.247	0	1998	55	1.6
9826.7	10000	38.6362	94.9270	-916	PKC	2.8	-1	9.3	0	1.1	0	0.294	-1	2.610	-1	8.880	0	2016	55	1.6
9826.8	10000	38.6362	94.9261	-918	PKC	2.8	-1	9.3	0	1.1	0	0.294	-1	2.442	-1	8.315	0	2004	54	1.6
9826.9	10000	38.6362	94.9253	-920	PKC	2.8	-1	9.3	0	1.1	0	0.306	-1	2.630	-1	8.593	0	2012	54	1.6
9827.0	10000	38.6362	94.9245	-922	PKC	2.8	-1	9.3	0	1.1	0	0.308	-1	2.679	-1	8.702	0	2028	54	1.6
9827.1	10000	38.6362	94.9237	-924	PKC	2.8	-1	9.3	0	1.1	0	0.292	-1	2.430	-1	8.333	0	2056	43	1.6
9827.2	10000	38.6361	94.9228	-926	PKC	2.8	-1	9.3	0	1.1	0	0.274	-1	2.375	-1	8.656	0	2070	33	1.6
9827.3	10000	38.6361	94.9220	-928	PKC	2.8	-1	9.3	0	1.1	0	0.294	-1	2.518	-1	8.105	0	2098	48	1.6
9827.4	10000	38.6361	94.9212	-929	PKC	2.8	-1	9.3	0	1.1	0	0.309	-1	2.526	-1	8.142	0	2095	32	1.6
9827.5	10000	38.6361	94.9204	-932	PKC	2.8	-1	9.3	0	1.1	0	0.326	-1	2.432	-1	7.747	0	2117	65	1.6
9827.6	10000	38.6361	94.9195	-934	PKC	2.8	-1	9.3	0	1.1	0	0.326	-1	2.533	-1	7.489	0	2104	43	1.6
9827.7	10000	38.6361	94.9187	-936	PKC	2.8	-1	9.3	0	1.1	0	0.311	-1	2.413	-1	7.400	0	2107	45	1.6
9827.8	10000	38.6361	94.9179	-939	PKC	2.8	-1	9.3	0	1.1	0	0.330	-1	2.330	-1	7.482	0	2100	51	1.7
9827.9	10000	38.6361	94.9171	-941	PKC	2.8	-1	9.3	0	1.1	0	0.329	-1	2.376	-1	7.210	0	2088	53	1.7
9828.0	10000	38.6361	94.9162	-943	PKC	3.0	-1	9.3	0	1.2	0	0.329	-1	2.434	-1	7.405	0	2078	40	1.7

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9828.1	10000	38.6361	94.9154	-945	PKC	2.7	-1	9.4	0	1.3	1	0.286	-1	2.157	-1	7.540	-1	2088	48	1.7
9828.2	10000	38.6361	94.9146	-947	PKC	2.8	-1	10.1	1	1.2	0	0.274	-1	2.322	-1	8.479	0	2078	39	1.7
9828.3	10000	38.6361	94.9137	-950	PKC	3.0	0	10.1	1	1.2	0	0.301	-1	2.631	0	8.739	0	2094	50	1.7
9828.4	10000	38.6361	94.9129	-951	PKC	3.0	0	10.2	1	1.1	0	0.296	-1	2.694	0	9.094	1	2093	48	1.7
9828.5	10000	38.6360	94.9121	-953	PKC	3.1	0	9.8	0	1.1	0	0.317	-1	2.730	0	8.616	0	2081	52	1.7
9828.6	10000	38.6360	94.9113	-954	PKC	2.9	-1	10.0	1	1.1	0	0.294	-1	2.591	-1	8.825	0	2076	46	1.7
9828.7	10000	38.6360	94.9104	-955	PKC	3.2	0	9.9	0	1.1	0	0.323	0	2.826	0	8.737	0	2059	52	1.7
9828.8	10000	38.6360	94.9096	-956	PKC	3.2	0	10.0	1	1.1	0	0.322	0	2.857	0	8.872	0	2045	34	1.7
9828.9	10000	38.6360	94.9088	-957	PKC	3.4	0	9.4	0	1.1	0	0.359	0	3.085	0	8.592	0	2039	42	1.7
9829.0	10000	38.6360	94.9080	-958	PKC	3.2	0	9.2	0	1.1	0	0.345	0	2.812	0	8.152	0	2030	63	1.7
9829.1	10000	38.6360	94.9071	-959	PKC	3.4	0	8.8	0	1.2	0	0.385	0	2.907	0	7.545	-1	2026	53	1.7
9829.2	10000	38.6360	94.9063	-959	PKC	3.5	0	8.7	-1	1.2	0	0.409	1	2.963	0	7.247	-1	2041	40	1.7
9829.3	10000	38.6360	94.9055	-959	PKC	3.9	1	8.2	-1	1.2	0	0.474	1	3.281	0	6.928	-1	2041	41	1.7
9829.4	10000	38.6360	94.9046	-959	PKC	3.6	1	8.2	-1	1.2	0	0.443	1	3.055	0	6.894	-1	2050	58	1.7
9829.5	10000	38.6360	94.9038	-959	PKC	3.6	1	8.0	-1	1.2	0	0.448	1	3.130	0	6.989	-1	2057	49	1.7
9829.6	10000	38.6360	94.9030	-959	PKC	3.4	0	8.4	-1	1.2	0	0.405	1	2.827	0	6.981	-1	2080	49	1.7
9829.7	10000	38.6360	94.9022	-959	PKC	3.2	0	8.9	0	1.2	0	0.364	0	2.739	0	7.532	-1	2067	50	1.7
9829.8	10000	38.6360	94.9014	-958	PKC	3.0	-1	8.9	0	1.1	0	0.332	0	2.595	-1	7.817	0	2064	61	1.7
9829.9	10000	38.6359	94.9005	-957	PKC	3.0	-1	9.7	0	1.1	0	0.309	-1	2.842	0	9.198	1	2045	54	1.7
9830.0	10000	38.6359	94.8997	-957	PKC	2.9	-1	10.1	1	1.0	-1	0.282	-1	2.755	0	9.764	1	2037	52	1.7
9830.1	10000	38.6359	94.8989	-956	PKC	2.9	-1	10.3	1	1.1	0	0.277	-1	2.693	0	9.721	1	2013	48	1.7
9830.2	10000	38.6359	94.8980	-955	PKC	3.0	-1	10.5	1	1.0	-1	0.281	-1	2.843	0	10.109	1	1996	44	1.7
9830.3	10000	38.6359	94.8972	-954	PKC	3.2	0	10.5	1	1.0	-1	0.308	-1	3.200	0	10.389	2	1987	46	1.7
9830.4	10000	38.6359	94.8964	-953	PKC	3.5	0	10.1	1	1.0	-1	0.347	0	3.527	1	10.153	1	1977	49	1.7
9830.5	10000	38.6359	94.8956	-951	PKC	3.6	0	10.5	1	1.0	-1	0.344	0	3.618	1	10.515	2	1979	46	1.7
9830.6	10000	38.6359	94.8947	-950	PKC	3.7	0	10.7	1	1.0	-1	0.347	0	3.747	1	10.342	1	1990	60	1.7
9830.7	10000	38.6359	94.8939	-949	PKC	3.7	0	10.1	1	1.0	-1	0.371	0	3.689	1	9.932	1	1990	50	1.7
9830.8	10000	38.6359	94.8931	-947	PKC	3.8	0	9.8	1	1.0	-1	0.397	0	3.795	1	9.551	1	1989	45	1.7
9830.9	10000	38.6359	94.8923	-946	PKC	3.6	0	10.0	1	1.0	-1	0.409	0	3.799	1	9.278	1	1959	43	1.7
9831.0	10000	38.6359	94.8914	-944	PKC	3.4	0	10.0	1	1.0	-1	0.412	0	3.735	1	9.064	1	1927	59	1.7
9831.1	10000	38.6359	94.8906	-943	PKC	3.2	0	9.7	1	1.0	-1	0.381	0	3.293	1	8.643	1	1921	46	1.7
9831.2	10000	38.6359	94.8898	-941	PKC	3.2	0	9.9	1	1.0	-1	0.412	0	3.223	1	8.814	1	1893	50	1.7
9831.3	10000	38.6358	94.8889	-940	PKC	3.2	0	9.9	1	1.0	-1	0.366	0	2.837	1	7.747	1	1864	40	1.7
9831.4	10000	38.6358	94.8881	-937	PKC	3.2	0	9.9	1	1.0	-1	0.349	0	2.718	1	7.799	1	1845	46	1.7
9831.5	10000	38.6358	94.8873	-937	PKC	3.2	0	9.9	1	1.0	-1	0.281	0	2.416	1	7.605	1	1836	48	1.7
9831.6	10000	38.6358	94.8865	-936	PKC	3.2	0	9.9	1	1.0	-1	0.250	0	2.176	1	7.701	1	1844	55	1.7
9831.7	10000	38.6358	94.8857	-934	PKC	3.2	0	9.9	1	1.0	-1	0.221	0	1.898	1	7.594	1	1858	53	1.7
9831.8	10000	38.6358	94.8848	-933	PKC	3.2	0	9.9	1	1.0	-1	0.213	0	1.896	1	7.918	1	1872	51	1.7
9831.9	10000	38.6358	94.8840	-932	PKC	3.2	0	9.9	1	1.0	-1	0.197	0	1.880	1	8.548	1	1874	41	1.7
9832.0	10000	38.6358	94.8832	-932	PKC	3.2	0	9.9	1	1.0	-1	0.195	0	1.793	1	8.206	1	1867	56	1.7
9832.1	10000	38.6358	94.8823	-931	PKC	3.2	0	9.9	1	1.0	-1	0.181	0	1.645	1	8.097	1	1873	36	1.7
9832.2	10000	38.6358	94.8815	-931	PKC	3.2	0	9.9	1	1.0	-1	0.242	0	2.048	1	8.478	1	1887	49	1.6
9832.3	10000	38.6358	94.8807	-930	PKC	3.2	0	9.9	1	1.0	-1	0.234	0	1.907	1	8.137	1	1899	65	1.6
9832.4	10000	38.6357	94.8799	-930	PKC	3.2	0	9.9	1	1.0	-1	0.233	0	1.822	1	7.832	1	1906	55	1.6
9832.5	10000	38.6357	94.8790	-929	QAL	3.2	0	9.9	1	1.0	-1	0.265	0	2.237	1	7.506	1	1906	48	1.6
9832.6	10000	38.6357	94.8782	-928	QAL	3.2	0	9.9	1	1.0	-1	0.268	0	2.255	1	7.688	1	1919	41	1.6
9832.7	10000	38.6357	94.8774	-928	QAL	3.2	0	9.9	1	1.0	-1	0.326	0	2.794	1	8.519	1	1939	52	1.6
9832.8	10000	38.6357	94.8766	-928	QAL	3.2	0	9.9	1	1.0	-1	0.362	0	3.086	1	9.083	1	1934	50	1.6
9832.9	10000	38.6357	94.8757	-928	QAL	3.2	0	9.9	1	1.0	-1	0.386	0	3.417	1	9.159	1	1928	49	1.6
9833.0	10000	38.6357	94.8749	-928	QAL	3.2	0	9.9	1	1.0	-1	0.388	0	3.612	1	9.095	1	1921	44	1.6
9833.1	10000	38.6357	94.8741	-928	QAL	3.2	0	9.9	1	1.0	-1	0.388	0	3.612	1	9.095	1	1921	45	1.6
9833.2	10000	38.6357	94.8732	-928	QAL	3.2	0	9.9	1	1.0	-1	0.388	0	3.612	1	9.095	1	1929	40	1.6

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M 2

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9833.3	10000	38.6357	94.8724	-928	QAL	3.1	0	8.7	0	1.3	0	0.357	0	2.473	0	6.936	0	1943	48	1.6
9833.4	10000	38.6357	94.8716	-927	QAL	3.1	0	8.9	0	1.2	0	0.352	0	2.514	0	7.133	0	1955	54	1.6
9833.5	10000	38.6357	94.8708	-927	QAL	3.2	0	9.1	0	1.2	0	0.349	0	2.545	0	7.297	0	1983	40	1.6
9833.6	10000	38.6357	94.8699	-926	QAL	3.1	0	9.3	0	1.3	0	0.330	0	2.309	0	7.006	0	1999	42	1.6
9833.7	10000	38.6357	94.8691	-925	QAL	3.1	0	9.0	0	1.3	0	0.339	0	2.314	0	6.818	-1	2006	33	1.6
9833.8	10000	38.6356	94.8683	-925	QAL	3.1	0	9.1	0	1.4	1	0.337	0	2.164	-1	6.425	-1	2022	57	1.6
9833.9	10000	38.6356	94.8675	-924	QAL	3.1	0	8.9	0	1.4	1	0.348	0	2.253	0	6.471	-1	2012	37	1.6
9834.0	10000	38.6356	94.8666	-924	QAL	3.0	0	8.7	0	1.3	0	0.350	0	2.277	0	6.498	-1	2001	49	1.6
9834.1	10000	38.6356	94.8658	-924	QAL	3.0	0	8.3	-1	1.3	0	0.359	0	2.245	0	6.260	-1	1973	44	1.6
9834.2	10000	38.6356	94.8650	-923	QAL	3.0	0	8.3	-1	1.3	0	0.363	0	2.320	0	6.385	-1	1942	51	1.6
9834.3	10000	38.6356	94.8642	-920	QAL	2.9	0	8.1	-1	1.2	0	0.361	0	2.415	0	6.697	-1	1907	56	1.6
9834.4	10000	38.6356	94.8633	-915	PKC	2.9	-1	8.2	-1	1.2	0	0.358	0	2.516	-1	7.025	-1	1876	45	1.6
9834.5	10000	38.6356	94.8625	-912	PKC	2.9	-1	8.3	-1	1.1	0	0.353	0	2.707	0	7.661	-1	1838	43	1.6
9834.6	10000	38.6356	94.8617	-910	PKC	3.0	-1	7.9	-1	1.0	-1	0.380	0	2.930	0	7.708	0	1804	43	1.6
9834.7	10000	38.6356	94.8609	-910	PKC	3.0	-1	8.0	-1	1.0	-1	0.378	0	3.031	0	8.020	0	1782	55	1.6
9834.8	10000	38.6356	94.8600	-910	PKC	2.9	-1	8.2	-1	1.0	-1	0.356	0	3.055	0	8.578	0	1767	46	1.6
9834.9	10000	38.6356	94.8592	-909	PKC	2.7	-1	8.5	-1	1.0	-1	0.317	-1	2.780	0	8.783	0	1768	48	1.5
9835.0	10000	38.6356	94.8584	-906	PKC	2.7	-1	8.5	-1	1.0	-1	0.315	-1	2.711	0	8.608	0	1787	46	1.5
9835.1	10000	38.6356	94.8575	-904	PKC	2.7	-1	8.6	-1	1.0	-1	0.316	-1	2.800	0	8.853	0	1811	50	1.5
9835.2	10000	38.6355	94.8567	-901	PKC	2.6	-1	8.8	0	1.0	-1	0.294	-1	2.595	-1	8.815	0	1823	30	1.5
9835.3	10000	38.6355	94.8559	-897	PKC	2.4	-2	9.1	0	1.1	0	0.267	-1	2.282	-1	8.549	0	1855	52	1.5
9835.4	10000	38.6355	94.8551	-896	PKC	2.5	-1	9.1	0	1.1	0	0.280	-1	2.290	-1	8.190	0	1877	38	1.5
9835.5	10000	38.6355	94.8542	-898	PKC	2.6	-1	9.2	0	1.2	0	0.285	-1	2.187	-1	7.675	-1	1918	53	1.5
9835.6	10000	38.6355	94.8534	-897	PKC	2.8	-1	9.4	0	1.2	0	0.301	-1	2.323	-1	7.709	0	1943	50	1.5
9835.7	10000	38.6355	94.8526	-896	PKC	2.6	-1	9.4	0	1.3	1	0.277	-1	2.031	-1	7.338	-1	1966	54	1.5
9835.8	10000	38.6355	94.8518	-895	PKC	2.6	-1	9.5	0	1.3	1	0.273	-1	1.988	-1	7.295	-1	1989	54	1.5
9835.9	10000	38.6355	94.8509	-895	PKC	2.7	-1	9.3	0	1.4	1	0.288	-1	1.961	-1	6.803	-1	2013	41	1.5
9836.0	10000	38.6355	94.8501	-894	PKC	2.6	-1	9.6	0	1.3	1	0.277	-1	1.966	-1	7.102	-1	2023	56	1.5
9836.1	10000	38.6355	94.8493	-893	PKC	2.5	-1	9.9	0	1.3	1	0.258	-1	1.871	-2	7.265	-1	2033	51	1.5
9836.2	10000	38.6354	94.8484	-893	PKC	2.3	-2	10.0	0	1.3	1	0.233	-2	1.775	-2	7.631	-1	2024	45	1.5
9836.3	10000	38.6354	94.8476	-892	PKC	2.2	-2	10.0	0	1.3	1	0.222	-2	1.695	-2	7.627	-1	2021	38	1.5
9836.4	10000	38.6354	94.8468	-892	PKC	2.3	-2	10.0	0	1.3	1	0.232	-2	1.856	-2	8.009	-1	2001	52	1.5
9836.5	10000	38.6354	94.8460	-891	PKC	2.4	-2	10.0	0	1.3	1	0.237	-2	1.916	-2	8.074	-1	1989	48	1.5
9836.6	10000	38.6354	94.8452	-891	PKC	2.4	-2	10.0	0	1.3	1	0.235	-2	1.918	-2	8.166	-1	1991	32	1.5
9836.7	10000	38.6354	94.8443	-891	PKC	2.5	-2	9.9	0	1.3	1	0.261	-1	2.100	-1	8.058	-1	2004	55	1.5
9836.8	10000	38.6354	94.8435	-890	PKC	2.6	-1	9.8	0	1.3	1	0.264	-1	2.207	-1	8.358	-1	2021	50	1.5
9836.9	10000	38.6354	94.8427	-891	PKC	2.6	-1	10.0	0	1.3	1	0.298	-1	2.547	-1	8.559	-1	2041	58	1.5
9837.0	10000	38.6354	94.8418	-891	PKC	2.7	-1	10.1	0	1.3	1	0.297	-1	2.533	-1	8.520	-1	2054	51	1.5
9837.1	10000	38.6354	94.8410	-889	PKC	2.8	-1	10.1	0	1.3	1	0.319	-1	2.686	-1	8.409	-1	2076	52	1.5
9837.2	10000	38.6354	94.8402	-889	PKC	2.9	-1	10.1	0	1.3	1	0.338	-1	2.831	-1	8.381	-1	2092	54	1.5
9837.3	10000	38.6354	94.8394	-891	PKC	3.0	-1	10.1	0	1.3	1	0.332	-1	2.751	0	8.286	-1	2107	43	1.5
9837.4	10000	38.6354	94.8385	-893	PKC	3.0	-1	10.0	0	1.3	1	0.329	-1	2.680	-1	8.156	-1	2085	45	1.5
9837.5	10000	38.6354	94.8377	-895	PKC	3.1	-1	10.0	0	1.3	1	0.329	-1	2.535	-1	7.718	-1	2071	38	1.5
9837.6	10000	38.6354	94.8369	-894	PKC	3.0	-1	10.0	0	1.3	1	0.294	-1	2.267	-1	7.711	-1	2053	53	1.5
9837.7	10000	38.6353	94.8361	-891	PKC	2.9	-1	10.0	0	1.3	1	0.298	-1	2.252	-1	7.564	-1	2047	47	1.5
9837.8	10000	38.6353	94.8352	-888	PKC	2.7	-1	10.0	0	1.3	1	0.278	-1	2.084	-2	7.489	-1	2047	37	1.5
9837.9	10000	38.6353	94.8344	-887	PKC	2.7	-1	10.0	0	1.3	1	0.255	-1	1.929	-1	7.622	-1	2037	32	1.5
9838.0	10000	38.6353	94.8336	-886	PKC	2.6	-1	10.0	0	1.3	1	0.258	-1	2.008	-1	7.791	-1	2032	47	1.5
9838.1	10000	38.6353	94.8327	-884	PKC	2.6	-1	10.0	0	1.3	1	0.246	-1	2.001	-1	7.118	-1	2047	49	1.5
9838.2	10000	38.6353	94.8320	-882	PKC	2.7	-1	10.0	0	1.3	1	0.270	-1	2.049	-1	7.320	-1	2063	43	1.5
9838.3	10000	38.6353	94.8312	-881	PKC	2.8	-1	10.1	0	1.3	1	0.286	-1	2.157	-1	7.999	-1	2042	55	1.5
9838.4	10000	38.6353	94.8304	-881	PKC	2.9	-1	10.1	0	1.2	1	0.286	-1	2.338	-1	8.163	-1	2042	55	1.5

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9838.5	10000	38.6353	94.8296	-880	PKC	2.9	-1	10.1	1	1.2	0	0.287	-1	2.413	-1	8.406	0	2028	62	1.4
9838.6	10000	38.6353	94.8288	-880	PKC	3.0	-1	9.7	0	1.2	1	0.307	-1	2.423	-1	7.879	0	2031	45	1.4
9838.7	10000	38.6354	94.8280	-879	PKC	2.9	-1	10.1	1	1.3	1	0.286	-1	2.305	-1	8.060	0	2024	44	1.4
9838.8	10000	38.6354	94.8272	-879	PKC	2.9	-1	9.9	0	1.3	1	0.295	-1	2.256	-1	7.636	-1	2015	49	1.4
9838.9	10000	38.6354	94.8264	-878	PKC	3.1	0	9.9	0	1.3	1	0.315	-1	2.389	-1	7.588	-1	2023	40	1.4
9839.0	10000	38.6354	94.8256	-877	PKC	3.3	0	9.7	0	1.3	1	0.336	0	2.558	-1	7.614	-1	2009	51	1.4
9839.1	10000	38.6354	94.8248	-876	PKC	3.1	0	9.5	0	1.2	1	0.328	0	2.533	-1	7.718	0	2000	37	1.4
9839.2	10000	38.6354	94.8241	-875	PKC	3.3	0	9.2	0	1.2	1	0.354	0	2.662	0	7.526	-1	1994	54	1.4
9839.3	10000	38.6354	94.8233	-874	PKC	3.2	0	9.6	0	1.2	0	0.333	0	2.675	0	8.037	0	1999	45	1.4
9839.4	10000	38.6354	94.8225	-873	PKC	3.2	0	9.2	0	1.1	0	0.352	0	2.837	0	8.053	0	1977	39	1.4
9839.5	10000	38.6354	94.8217	-872	PKC	3.2	0	9.4	0	1.1	0	0.335	0	2.907	0	8.677	0	1972	52	1.4
9839.6	10000	38.6354	94.8209	-871	PKC	3.0	-1	9.5	0	1.0	-1	0.320	-1	2.943	0	9.194	1	1940	47	1.4
9839.7	10000	38.6355	94.8201	-870	PKC	2.8	-1	9.7	0	1.1	0	0.292	-1	2.670	0	9.153	1	1921	54	1.4
9839.8	10000	38.6355	94.8193	-869	PKC	2.9	-1	10.0	1	1.1	0	0.291	-1	2.763	0	9.496	1	1924	47	1.4
9839.9	10000	38.6355	94.8185	-869	PKC	2.7	-1	10.3	1	1.1	0	0.266	-1	2.593	-1	9.757	1	1923	44	1.4
9840.0	10000	38.6355	94.8177	-868	PKC	2.8	-1	10.1	1	1.0	-1	0.276	-1	2.659	0	9.631	1	1917	48	1.4
9840.1	10000	38.6355	94.8169	-867	PKC	2.9	-1	9.9	0	1.1	0	0.292	-1	2.603	-1	8.906	0	1944	42	1.4
9840.2	10000	38.6355	94.8161	-866	PLP	3.1	0	9.9	0	1.1	0	0.310	0	2.797	0	9.015	0	1956	38	1.4
9840.3	10000	38.6355	94.8153	-865	PLP	3.2	0	10.0	0	1.2	0	0.325	0	2.806	0	8.632	0	1990	42	1.4
9840.4	10000	38.6355	94.8145	-863	PLP	3.2	0	10.0	0	1.2	0	0.324	0	2.747	0	8.490	0	2028	39	1.4
9840.5	10000	38.6355	94.8138	-861	PLP	3.3	0	9.9	0	1.2	0	0.337	0	2.729	0	8.101	0	2063	54	1.4
9840.6	10000	38.6355	94.8130	-855	PLP	3.2	0	9.9	0	1.3	0	0.324	0	2.559	0	7.88	0	2089	52	1.4
9840.7	10000	38.6355	94.8122	-852	PLP	3.2	0	10.0	0	1.3	0	0.319	0	2.444	-1	7.663	-1	2094	55	1.4
9840.8	10000	38.6356	94.8114	-856	PLP	3.0	0	10.4	1	1.3	1	0.292	-1	2.384	-1	8.167	0	2094	39	1.4
9840.9	10000	38.6356	94.8106	-857	PLP	3.1	0	10.2	1	1.3	1	0.301	-1	2.387	-1	7.943	0	2093	63	1.4
9841.0	10000	38.6356	94.8098	-857	PLP	3.1	0	10.2	1	1.3	1	0.305	-1	2.416	-1	7.912	0	2071	42	1.4
9841.1	10000	38.6356	94.8090	-856	PLP	3.1	0	9.8	1	1.3	1	0.322	0	2.536	0	7.883	0	2040	41	1.4
9841.2	10000	38.6356	94.8082	-854	PLP	3.0	0	9.4	1	1.2	1	0.323	0	2.403	-1	7.446	-1	2020	54	1.4
9841.3	10000	38.6356	94.8074	-852	PLP	3.2	0	9.3	1	1.2	1	0.331	0	2.573	0	7.773	-1	1994	53	1.4
9841.4	10000	38.6356	94.8066	-851	PLP	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1972	58	1.4
9841.5	10000	38.6356	94.8058	-849	PLP	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1956	46	1.4
9841.6	10000	38.6356	94.8050	-848	PLP	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1927	62	1.4
9841.7	10000	38.6356	94.8042	-847	PLP	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1900	51	1.4
9841.8	10000	38.6356	94.8035	-845	PLP	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1843	48	1.4
9841.9	10000	38.6356	94.8027	-844	PLP	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1742	59	1.4
9842.0	10000	38.6357	94.8019	-843	PLP	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1638	42	1.4
9842.1	10000	38.6357	94.8011	-841	PLP	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1533	55	1.4
9842.2	10000	38.6357	94.8003	-840	PLP	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1426	58	1.4
9842.3	10000	38.6357	94.7995	-841	PLP	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1334	61	1.4
9842.4	10000	38.6357	94.7987	-842	PLP	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1283	53	1.4
9842.5	10000	38.6357	94.7979	-846	PLP	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1282	45	1.4
9842.6	10000	38.6357	94.7971	-848	PLP	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1327	55	1.4
9842.7	10000	38.6357	94.7963	-848	PLP	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1391	56	1.4
9842.8	10000	38.6357	94.7955	-847	PLP	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1460	40	1.4
9842.9	10000	38.6357	94.7948	-847	PKC	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1515	47	1.4
9843.0	10000	38.6357	94.7940	-847	PKC	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1574	40	1.4
9843.1	10000	38.6357	94.7932	-847	PKC	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1603	40	1.4
9843.2	10000	38.6358	94.7924	-846	PKC	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1616	46	1.4
9843.3	10000	38.6358	94.7916	-846	PKC	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1633	50	1.4
9843.4	10000	38.6358	94.7908	-846	PKC	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1646	41	1.4
9843.5	10000	38.6358	94.7900	-846	PKC	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1655	47	1.4
9843.6	10000	38.6358	94.7892	-846	PKC	3.2	0	9.2	1	1.2	1	0.338	0	2.689	0	7.953	0	1672	49	1.4

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9843.7	10000	38.6358	94.7884	-846	PKC	2.7	-1	7.7	-1	0.9	-1	0.349	0	2.903	0	8.317	0	1689	55	1.4
9843.8	10000	38.6358	94.7876	-846	PKC	2.8	-1	8.1	-1	1.0	-1	0.350	0	2.957	0	8.451	0	1710	46	1.4
9843.9	10000	38.6358	94.7868	-846	PKC	3.0	-1	8.2	-1	1.0	-1	0.359	0	2.861	0	7.970	0	1754	50	1.4
9844.0	10000	38.6358	94.7860	-845	PKC	2.9	-1	8.2	-1	1.1	0	0.350	0	2.621	-1	7.478	-1	1788	48	1.4
9844.1	10000	38.6358	94.7852	-846	PKC	3.2	0	8.2	-1	1.1	0	0.388	0	2.849	0	7.348	-1	1834	57	1.4
9844.2	10000	38.6358	94.7845	-846	PKC	3.1	0	8.1	-1	1.2	0	0.381	0	2.659	0	6.985	-1	1860	49	1.4
9844.3	10000	38.6359	94.7837	-846	PKC	3.1	0	8.1	-1	1.2	0	0.382	0	2.655	0	6.945	-1	1890	34	1.4
9844.4	10000	38.6358	94.7829	-846	PKC	3.1	0	8.5	-1	1.2	0	0.369	0	2.571	-1	6.974	-1	1920	54	1.4
9844.5	10000	38.6359	94.7821	-846	PKC	3.3	0	8.7	-1	1.2	0	0.375	0	2.658	0	7.085	-1	1929	52	1.4
9844.6	10000	38.6359	94.7813	-845	PKC	3.5	0	7.9	-1	1.2	1	0.442	1	2.973	0	6.721	-1	1892	57	1.4
9844.7	10000	38.6359	94.7805	-845	PKC	3.5	0	7.7	-1	1.1	1	0.453	1	3.137	0	6.927	-1	1869	50	1.4
9844.8	10000	38.6359	94.7797	-844	PKC	3.4	0	7.7	-1	1.1	1	0.450	1	3.273	0	7.270	-1	1842	44	1.4
9844.9	10000	38.6359	94.7789	-844	PKC	3.5	0	8.0	-1	1.0	-1	0.435	1	3.450	1	7.923	0	1830	40	1.4
9845.0	10000	38.6359	94.7781	-843	PKC	3.6	0	8.0	-1	1.0	-1	0.450	1	3.540	1	7.862	0	1832	40	1.3
9845.1	10000	38.6359	94.7773	-839	PKC	3.6	0	7.7	-1	1.0	-1	0.467	1	3.601	1	7.709	0	1843	33	1.3
9845.2	10000	38.6359	94.7765	-834	PKC	3.6	0	7.7	-1	1.0	-1	0.473	1	3.501	1	7.393	-1	1881	48	1.3
9845.3	10000	38.6359	94.7757	-832	PKC	3.5	0	8.2	-1	1.1	0	0.427	1	3.245	0	7.604	-1	1933	43	1.3
9845.4	10000	38.6359	94.7749	-834	PKC	3.4	0	8.4	-1	1.1	0	0.408	1	3.045	0	7.465	-1	1979	48	1.3
9845.5	10000	38.6359	94.7742	-836	PKC	3.3	0	8.8	-1	1.2	1	0.370	0	2.671	0	7.222	-1	2016	51	1.3
9845.6	10000	38.6360	94.7734	-839	PKC	3.1	0	9.1	-1	1.3	1	0.366	0	2.604	-1	7.113	-1	2046	46	1.3
9845.7	10000	38.6360	94.7726	-842	PKC	2.9	-1	9.2	-1	1.3	1	0.342	0	2.464	-1	7.205	-1	2038	50	1.3
9845.8	10000	38.6360	94.7718	-843	PKC	2.7	-1	9.6	-1	1.3	1	0.307	-1	2.267	-1	7.391	-1	2012	48	1.3
9845.9	10000	38.6360	94.7710	-843	PKC	2.7	-1	9.5	-1	1.2	1	0.287	-1	2.184	-1	7.613	-1	1955	49	1.3
9846.0	10000	38.6360	94.7702	-843	PKC	2.4	-2	9.6	-1	1.2	1	0.251	-2	2.035	-1	8.118	0	1861	45	1.3
9846.1	10000	38.6360	94.7694	-844	PKC	2.5	-2	9.7	-1	1.2	0	0.235	-2	1.938	-1	8.261	0	1715	53	1.3
9846.2	10000	38.6360	94.7686	-845	PKC	2.5	-2	8.7	-1	0.9	-1	0.264	-1	2.345	-1	8.874	0	1594	50	1.3
9846.3	10000	38.6360	94.7678	-846	PKC	2.3	-2	7.3	-2	0.8	-2	0.308	-1	2.748	0	8.916	0	1541	45	1.3
9846.4	10000	38.6360	94.7670	-847	PKC	2.5	-2	7.6	-2	0.8	-2	0.304	-1	2.853	0	9.381	1	1544	51	1.3
9846.5	10000	38.6360	94.7662	-847	PKC	2.5	-1	7.3	-2	0.8	-2	0.336	0	3.127	0	9.294	1	1557	41	1.3
9846.6	10000	38.6360	94.7655	-848	PKC	2.5	-1	7.5	-2	0.8	-2	0.335	0	3.142	0	9.378	1	1583	44	1.3
9846.7	10000	38.6361	94.7647	-848	PKC	2.5	-1	7.7	-2	0.8	-2	0.324	0	3.518	1	9.170	1	1671	38	1.3
9846.8	10000	38.6361	94.7639	-849	PKC	2.5	-1	7.7	-2	0.8	-2	0.327	0	3.433	1	9.390	1	1804	51	1.3
9846.9	10000	38.6361	94.7631	-849	PKC	2.2	-2	8.2	-2	0.9	-2	0.347	0	3.052	1	8.753	1	1918	50	1.3
9847.0	10000	38.6361	94.7623	-849	PKC	2.2	-2	9.5	-2	1.1	-2	0.322	0	2.771	1	8.468	1	1967	54	1.3
9847.1	10000	38.6361	94.7615	-849	PKC	2.0	-2	9.2	-2	1.1	-2	0.329	0	2.796	1	8.050	1	1975	45	1.3
9847.2	10000	38.6361	94.7607	-849	PKC	2.1	-2	9.3	-2	1.2	-2	0.362	0	2.491	1	7.735	0	1961	57	1.3
9847.3	10000	38.6361	94.7599	-849	PKC	2.3	-2	9.5	-2	1.2	-2	0.392	0	2.543	1	7.739	0	1947	61	1.3
9847.4	10000	38.6361	94.7591	-849	PKC	2.6	-2	9.5	-2	1.1	-2	0.425	0	2.692	1	7.429	0	1921	60	1.3
9847.5	10000	38.6361	94.7583	-849	PKC	2.7	-2	9.1	-2	1.1	-2	0.476	0	2.877	1	7.337	0	1897	61	1.3
9847.6	10000	38.6361	94.7575	-849	PKC	2.8	-2	8.8	-2	1.0	-2	0.484	0	3.189	1	7.498	0	1868	48	1.3
9847.7	10000	38.6361	94.7567	-850	PKC	2.8	-2	8.1	-2	0.9	-2	0.525	0	3.623	1	7.610	0	1853	67	1.3
9847.8	10000	38.6361	94.7560	-850	PKC	2.8	-2	7.6	-2	0.9	-2	0.511	0	3.485	1	7.197	0	1831	59	1.3
9847.9	10000	38.6362	94.7552	-849	PKC	2.7	-2	7.4	-1	0.9	-2	0.464	0	3.963	1	7.549	0	1814	51	1.3
9848.0	10000	38.6362	94.7544	-849	PKC	2.6	-2	7.1	-1	1.0	-1	0.464	0	3.690	1	7.229	0	1791	41	1.3
9848.1	10000	38.6362	94.7536	-848	PKC	2.5	-2	7.0	-1	1.0	-1	0.436	0	3.285	1	7.085	0	1776	44	1.3
9848.2	10000	38.6362	94.7528	-847	PKC	2.5	-2	7.3	-1	1.0	-1	0.382	0	2.929	1	6.737	0	1764	62	1.3
9848.3	10000	38.6362	94.7520	-847	PKC	2.5	-2	7.4	-1	1.0	-1	0.335	0	2.531	1	6.475	0	1765	51	1.3
9848.4	10000	38.6362	94.7512	-847	PKC	2.5	-2	7.4	-1	1.0	-1	0.344	0	2.396	1	6.625	0	1749	50	1.3
9848.5	10000	38.6362	94.7504	-846	PKC	2.5	-2	7.4	-1	1.0	-1	0.336	0	2.251	1	7.191	0	1718	47	1.3
9848.6	10000	38.6362	94.7496	-845	PKC	2.5	-2	7.4	-1	1.0	-1	0.338	0	2.298	1	7.503	0	1683	39	1.3
9848.7	10000	38.6362	94.7488	-845	PKC	2.5	-2	7.4	-1	1.0	-1	0.338	0	2.298	1	7.545	0	1667	61	1.3
9848.8	10000	38.6362	94.7480	-844	PKC	2.4	-2	7.1	-2	0.9	-1	0.336	0	2.701	0	8.048	0	1639	48	1.3

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9848.9	10000	38.6362	94.7472	-844	PKC	2.3	-2	7.2	-2	0.8	-2	0.323	0	2.784	0	8.613	0	1616	57	1.3
9849.0	10000	38.6362	94.7464	-843	PKC	2.4	-2	6.9	-2	0.8	-2	0.345	0	2.971	0	8.604	0	1586	52	1.3
9849.1	10000	38.6363	94.7457	-843	PKC	2.5	-1	6.8	-2	0.8	-2	0.371	0	3.270	0	8.822	0	1573	43	1.3
9849.2	10000	38.6363	94.7449	-842	PKC	2.8	-1	6.6	-2	0.8	-2	0.426	1	3.663	1	8.597	0	1576	48	1.3
9849.3	10000	38.6363	94.7441	-842	PKC	3.1	0	6.7	-2	0.8	-2	0.460	1	3.784	1	8.221	0	1597	51	1.3
9849.4	10000	38.6363	94.7433	-841	PKC	2.8	-1	7.1	-2	0.8	-2	0.396	0	3.502	1	8.845	0	1630	60	1.3
9849.5	10000	38.6363	94.7425	-841	PKC	2.1	0	7.7	-1	0.9	-1	0.408	1	3.469	1	8.507	0	1695	43	1.3
9849.6	10000	38.6363	94.7417	-840	PKC	2.2	0	7.9	-1	1.0	-1	0.401	1	3.323	1	8.288	0	1772	52	1.3
9849.7	10000	38.6363	94.7409	-839	PKC	2.2	0	8.8	0	1.0	-1	0.366	1	3.367	1	9.193	1	1832	51	1.3
9849.8	10000	38.6363	94.7401	-839	PKC	2.1	0	9.1	0	1.0	-1	0.341	0	2.984	1	8.749	0	1886	61	1.3
9849.9	10000	38.6363	94.7393	-838	PKC	2.2	0	9.7	0	1.1	0	0.328	0	2.833	0	8.639	0	1955	45	1.3
9850.0	10000	38.6363	94.7385	-838	PKC	2.1	1	10.1	1	1.2	0	0.304	-1	2.728	-1	8.318	0	2024	59	1.3
9850.1	10000	38.6363	94.7377	-838	PKC	2.4	1	10.4	1	1.3	1	0.324	0	2.975	-1	8.252	0	2082	58	1.3
9850.2	10000	38.6363	94.7369	-838	PKC	2.3	1	10.6	1	1.3	1	0.306	-1	2.737	-1	8.301	0	2124	46	1.3
9850.3	10000	38.6364	94.7362	-838	PKC	2.3	1	10.9	1	1.3	1	0.303	-1	2.545	-1	8.407	0	2121	62	1.3
9850.4	10000	38.6364	94.7354	-837	PKC	2.4	1	10.6	1	1.3	1	0.318	-1	2.519	-1	7.924	0	2130	44	1.3
9850.5	10000	38.6364	94.7346	-837	PKC	2.6	1	10.6	1	1.3	1	0.339	0	2.809	0	8.293	0	2136	49	1.3
9850.6	10000	38.6364	94.7338	-837	PKC	2.5	1	10.2	1	1.2	1	0.344	0	2.843	0	8.258	0	2126	53	1.3
9850.7	10000	38.6364	94.7330	-838	PKC	2.6	1	10.1	1	1.2	0	0.357	0	2.938	0	8.237	0	2117	40	1.3
9850.8	10000	38.6364	94.7322	-837	PKC	2.3	0	9.6	0	1.3	0	0.346	0	2.634	-1	7.618	-1	2093	45	1.3
9850.9	10000	38.6364	94.7314	-837	PKC	2.5	0	9.3	0	1.2	0	0.371	0	2.900	0	7.811	0	2055	32	1.3
9851.0	10000	38.6364	94.7306	-836	PKC	2.6	0	9.0	0	1.2	0	0.401	0	3.073	0	7.661	-1	2049	46	1.3
9851.1	10000	38.6364	94.7298	-837	PKC	2.6	0	9.4	0	1.1	0	0.383	0	3.165	0	8.270	0	2044	54	1.3
9851.2	10000	38.6364	94.7290	-839	PKC	2.2	0	9.3	0	1.2	0	0.348	0	2.642	0	7.603	-1	2038	54	1.3
9851.3	10000	38.6364	94.7282	-840	PKC	2.0	-1	9.4	0	1.2	0	0.323	0	2.443	-1	7.555	-1	2040	44	1.3
9851.4	10000	38.6364	94.7274	-841	PKC	2.0	-1	9.8	0	1.2	0	0.308	-1	2.488	-1	8.083	0	2042	52	1.3
9851.5	10000	38.6364	94.7267	-841	PKC	2.2	0	10.0	0	1.2	0	0.317	-1	2.630	-1	8.297	0	2055	47	1.3
9851.6	10000	38.6365	94.7259	-842	PKC	2.1	0	10.3	1	1.2	0	0.301	-1	2.525	-1	8.377	0	2068	49	1.3
9851.7	10000	38.6365	94.7251	-843	PKC	2.1	0	10.3	1	1.2	0	0.308	-1	2.487	-1	8.377	0	2063	48	1.3
9851.8	10000	38.6365	94.7243	-844	PKC	2.1	0	10.3	1	1.2	0	0.333	-1	2.753	-1	8.524	0	2042	55	1.3
9851.9	10000	38.6365	94.7235	-844	PKC	2.1	0	10.3	1	1.2	0	0.357	-1	2.804	-1	8.559	0	2025	55	1.3
9852.0	10000	38.6365	94.7227	-845	PKC	2.1	0	10.3	1	1.2	0	0.343	-1	2.666	-1	8.459	0	2014	50	1.3
9852.1	10000	38.6365	94.7219	-845	PKC	2.1	0	10.3	1	1.2	0	0.361	-1	2.722	-1	8.940	0	2010	44	1.3
9852.2	10000	38.6365	94.7211	-846	PKC	2.1	0	10.3	1	1.2	0	0.327	-1	2.583	-1	8.153	0	2011	49	1.3
9852.3	10000	38.6365	94.7203	-846	PKC	2.1	0	10.3	1	1.2	0	0.337	-1	2.447	-1	8.492	0	2001	44	1.3
9852.4	10000	38.6365	94.7195	-847	PKC	2.1	0	10.3	1	1.2	0	0.327	-1	2.604	-1	8.738	0	2011	55	1.3
9852.5	10000	38.6365	94.7187	-846	PKC	2.1	0	10.3	1	1.2	0	0.359	-1	2.474	-1	8.161	0	2033	52	1.3
9852.6	10000	38.6365	94.7179	-846	PKC	2.1	0	10.3	1	1.2	0	0.325	-1	2.668	-1	8.133	0	2051	55	1.3
9852.7	10000	38.6365	94.7171	-846	PKC	2.1	0	10.3	1	1.2	0	0.355	-1	2.921	-1	8.127	0	2053	44	1.3
9852.8	10000	38.6366	94.7164	-847	PKC	2.1	0	10.3	1	1.2	0	0.327	-1	2.884	-1	8.673	0	2040	48	1.3
9852.9	10000	38.6366	94.7156	-847	PKC	2.1	0	10.3	1	1.2	0	0.325	-1	2.891	-1	8.874	0	2012	49	1.3
9853.0	10000	38.6366	94.7148	-848	PKC	2.1	0	10.3	1	1.2	0	0.335	-1	2.913	-1	8.629	0	1995	50	1.3
9853.1	10000	38.6366	94.7140	-848	PKC	2.1	0	10.3	1	1.2	0	0.332	-1	2.880	-1	8.170	0	1968	46	1.3
9853.2	10000	38.6366	94.7132	-848	PKC	2.1	0	10.3	1	1.2	0	0.321	-1	2.787	-1	8.814	0	1956	45	1.3
9853.3	10000	38.6366	94.7124	-848	PKC	2.1	0	10.3	1	1.2	0	0.335	-1	2.907	-1	8.678	0	1931	51	1.3
9853.4	10000	38.6366	94.7116	-850	PKC	2.1	0	10.3	1	1.2	0	0.338	-1	2.934	-1	8.681	0	1912	56	1.3
9853.5	10000	38.6366	94.7108	-851	PKC	2.1	0	10.3	1	1.2	0	0.344	-1	2.987	-1	8.676	0	1895	47	1.3
9853.6	10000	38.6366	94.7100	-852	PKC	2.1	0	10.3	1	1.2	0	0.334	-1	2.902	-1	8.690	0	1890	61	1.3
9853.7	10000	38.6366	94.7092	-852	PKC	2.1	0	10.3	1	1.2	0	0.340	-1	2.952	-1	8.683	0	1907	44	1.3
9853.8	10000	38.6366	94.7084	-854	PKC	2.1	0	10.3	1	1.2	0	0.334	-1	2.908	-1	8.708	0	1917	31	1.3
9853.9	10000	38.6366	94.7076	-854	PKC	2.1	0	10.3	1	1.2	0	0.340	-1	2.952	-1	8.683	0	1928	48	1.3
9854.0	10000	38.6366	94.7068	-855	PKC	2.1	0	10.3	1	1.2	0	0.344	-1	2.987	-1	8.676	0	1937	37	1.3

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9854.1	10000	38.6366	94.7060	-855	PKC	3.4	0	10.0	1	1.1	0	0.342	0	3.190	0	9.333	1	1966	61	1.2
9854.2	10000	38.6366	94.7052	-856	PKC	3.5	0	9.9	1	1.1	0	0.353	0	3.142	0	8.891	0	1996	42	1.2
9854.3	10000	38.6366	94.7044	-856	PKC	3.6	0	10.0	1	1.1	0	0.355	0	3.113	0	8.774	0	1994	46	1.2
9854.4	10000	38.6366	94.7036	-856	PKC	3.5	0	9.5	1	1.1	0	0.374	0	3.139	0	8.387	0	1958	43	1.2
9854.5	10000	38.6366	94.7028	-854	PKC	3.3	0	9.2	0	1.1	0	0.362	0	3.047	0	8.411	0	1913	49	1.2
9854.6	10000	38.6366	94.7020	-853	PKC	3.1	0	8.3	-1	1.1	0	0.370	0	2.862	0	7.735	0	1856	39	1.2
9854.7	10000	38.6366	94.7012	-854	PKC	3.1	0	8.2	-1	1.1	0	0.382	0	2.858	0	7.481	-1	1849	60	1.2
9854.8	10000	38.6366	94.7004	-857	PKC	3.1	-1	8.3	-1	1.1	0	0.354	0	2.731	0	7.714	0	1833	43	1.2
9854.9	10000	38.6366	94.6996	-858	PKC	3.0	-1	8.2	-1	1.0	-1	0.362	0	2.835	0	7.836	0	1817	45	1.2
9855.0	10000	38.6366	94.6988	-858	PKC	3.1	0	8.2	-1	1.0	-1	0.385	0	2.948	0	7.664	-1	1843	69	1.2
9855.1	10000	38.6366	94.6980	-857	PKC	3.1	0	8.2	-1	1.1	0	0.383	0	2.983	0	7.784	0	1864	52	1.2
9855.2	10000	38.6366	94.6972	-856	PKC	3.2	0	8.8	0	1.1	0	0.359	0	2.841	0	7.904	0	1909	44	1.2
9855.3	10000	38.6366	94.6964	-856	PKC	3.3	0	9.2	1	1.1	0	0.365	0	2.939	0	8.051	0	1950	50	1.2
9855.4	10000	38.6366	94.6956	-856	PKC	3.2	0	9.1	0	1.1	0	0.353	0	2.964	0	8.399	0	1918	46	1.2
9855.5	10000	38.6365	94.6948	-855	PKC	3.4	0	9.9	1	1.1	0	0.381	0	3.167	0	8.302	0	1892	52	1.2
9855.6	10000	38.6365	94.6940	-854	PKC	3.2	0	9.5	0	1.1	0	0.365	0	2.933	0	8.041	0	1876	54	1.2
9855.7	10000	38.6365	94.6932	-849	PKC	3.2	0	8.8	-1	1.1	0	0.360	0	3.043	0	8.443	0	1860	37	1.2
9855.8	10000	38.6365	94.6924	-842	PKC	3.3	0	9.1	0	1.1	0	0.368	0	3.180	0	8.634	0	1862	49	1.2
9855.9	10000	38.6365	94.6916	-847	PKC	3.3	0	8.8	-1	1.0	0	0.376	0	3.279	0	8.719	0	1864	40	1.1
9856.0	10000	38.6365	94.6908	-851	PKC	3.3	0	8.8	-1	1.0	0	0.380	1	3.360	1	8.853	0	1856	40	1.1
9856.1	10000	38.6365	94.6900	-852	PKC	3.4	0	9.1	-1	1.0	0	0.375	1	3.393	1	9.054	1	1886	39	1.1
9856.2	10000	38.6365	94.6892	-852	PKC	3.4	0	9.6	-1	1.0	0	0.355	1	3.410	1	9.599	1	1888	45	1.1
9856.3	10000	38.6365	94.6884	-852	PKC	3.3	0	10.1	1	1.0	0	0.326	1	3.276	0	10.038	1	1894	57	1.1
9856.4	10000	38.6365	94.6876	-852	PKC	3.1	0	10.0	1	1.0	0	0.307	-1	3.070	0	10.012	1	1881	55	1.1
9856.5	10000	38.6365	94.6868	-853	PKC	2.9	-1	10.0	1	1.0	-1	0.294	-1	2.860	0	9.722	1	1894	64	1.1
9856.6	10000	38.6365	94.6860	-854	PKC	3.0	-1	9.7	1	1.0	0	0.305	-1	2.864	0	9.381	1	1890	51	1.1
9856.7	10000	38.6365	94.6852	-854	PKC	2.9	-1	10.1	1	1.0	0	0.287	-1	2.718	0	9.465	1	1913	49	1.1
9856.8	10000	38.6365	94.6844	-855	PKC	3.2	0	9.6	1	1.0	0	0.331	0	3.029	0	9.162	1	1926	49	1.1
9856.9	10000	38.6365	94.6836	-856	PKC	3.2	0	9.8	1	1.0	0	0.325	0	2.905	0	8.934	0	1969	50	1.1
9857.0	10000	38.6365	94.6828	-857	PKC	3.2	0	9.8	1	1.0	0	0.326	0	2.899	0	8.895	0	1987	42	1.1
9857.1	10000	38.6365	94.6820	-859	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.905	0	8.895	0	1999	32	1.1
9857.2	10000	38.6365	94.6812	-859	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1971	50	1.1
9857.3	10000	38.6365	94.6804	-861	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1961	34	1.1
9857.4	10000	38.6365	94.6796	-862	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1938	51	1.1
9857.5	10000	38.6365	94.6788	-862	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1927	53	1.1
9857.6	10000	38.6365	94.6779	-862	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1897	47	1.1
9857.7	10000	38.6365	94.6771	-864	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1878	50	1.1
9857.8	10000	38.6365	94.6763	-866	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1871	56	1.1
9857.9	10000	38.6365	94.6755	-866	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1884	62	1.1
9858.0	10000	38.6365	94.6747	-865	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1904	50	1.1
9858.1	10000	38.6365	94.6739	-866	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1922	41	1.1
9858.2	10000	38.6365	94.6731	-870	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1925	47	1.1
9858.3	10000	38.6365	94.6723	-872	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1948	52	1.1
9858.4	10000	38.6365	94.6715	-873	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1969	47	1.1
9858.5	10000	38.6365	94.6707	-873	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1976	44	1.1
9858.6	10000	38.6365	94.6699	-874	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1980	56	1.1
9858.7	10000	38.6365	94.6691	-875	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1973	48	1.1
9858.8	10000	38.6365	94.6683	-875	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1958	56	1.1
9858.9	10000	38.6365	94.6675	-876	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1955	45	1.1
9859.0	10000	38.6365	94.6667	-876	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1940	61	1.1
9859.1	10000	38.6365	94.6659	-876	PKC	3.2	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1927	56	1.1
9859.2	10000	38.6365	94.6651	-876	PKC	3.4	0	9.8	1	1.0	0	0.333	0	2.899	0	8.895	0	1940	51	1.1

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9859.3	10000	38.6365	94.6643	-875	PKC	3.6	1	10.3	1	1.1	0	0.351	0	3.259	0	9.275	1	1955	39	1.0
9859.4	10000	38.6365	94.6635	-873	PKC	3.5	0	9.8	0	1.1	0	0.355	0	3.238	0	9.128	1	1945	36	1.0
9859.5	10000	38.6364	94.6627	-876	PKC	3.4	0	9.9	0	1.1	0	0.345	0	3.054	0	8.854	0	1944	62	1.0
9859.6	10000	38.6364	94.6619	-876	PKC	3.4	0	9.8	0	1.1	0	0.342	0	3.002	0	8.772	0	1954	53	1.0
9859.7	10000	38.6364	94.6611	-876	PKC	3.2	0	10.2	1	1.2	0	0.316	-1	2.796	0	8.848	0	1952	52	1.0
9859.8	10000	38.6364	94.6603	-876	PKC	3.0	0	10.6	1	1.1	0	0.288	-1	2.660	0	9.227	1	1941	47	1.0
9859.9	10000	38.6364	94.6595	-876	PKC	2.9	-1	9.8	0	1.1	0	0.291	-1	2.490	-1	8.565	0	1906	61	1.0
9860.0	10000	38.6364	94.6587	-875	PKC	2.9	-1	9.6	0	1.1	0	0.301	-1	2.624	-1	8.729	0	1874	54	1.0
9860.1	10000	38.6364	94.6579	-874	PKC	2.7	-1	9.8	0	1.1	0	0.274	-1	2.503	-1	9.131	1	1850	48	1.0
9860.2	10000	38.6364	94.6571	-872	PKC	2.8	-1	9.4	0	1.0	-1	0.295	-1	2.656	0	9.007	1	1830	41	1.0
9860.3	10000	38.6364	94.6563	-872	PKC	2.7	-1	9.4	0	1.0	-1	0.287	-1	2.611	-1	9.112	1	1806	60	1.0
9860.4	10000	38.6364	94.6555	-872	PKC	2.7	-1	9.2	0	1.0	-1	0.289	-1	2.595	-1	8.979	1	1803	45	1.0
9860.5	10000	38.6364	94.6547	-874	PKC	2.8	-1	8.9	0	1.0	-1	0.311	-1	2.667	0	8.568	0	1819	56	1.0
9860.6	10000	38.6364	94.6539	-876	PKC	2.8	-1	9.4	0	1.0	-1	0.293	-1	2.710	0	9.235	1	1836	41	1.0
9860.7	10000	38.6364	94.6531	-876	PKC	2.6	-1	9.8	0	1.0	-1	0.267	-1	2.571	-1	9.648	1	1851	52	1.0
9860.8	10000	38.6364	94.6523	-874	PKC	2.8	-1	9.8	0	1.0	-1	0.286	-1	2.694	0	9.426	1	1870	39	1.0
9860.9	10000	38.6364	94.6515	-873	PKC	2.9	-1	10.2	1	1.0	-1	0.284	-1	2.801	0	9.855	1	1884	54	1.0
9861.0	10000	38.6364	94.6507	-872	PKC	2.9	-1	10.2	1	1.0	-1	0.283	-1	2.873	0	10.161	1	1894	48	1.0
9861.1	10000	38.6364	94.6499	-871	PKC	2.8	-1	10.3	1	1.0	-1	0.272	-1	2.751	0	10.097	1	1891	39	1.0
9861.2	10000	38.6364	94.6491	-869	PKC	2.8	-1	10.1	1	1.0	-1	0.274	-1	2.670	0	9.729	1	1876	47	1.0
9861.3	10000	38.6364	94.6483	-868	PKC	2.8	-1	10.2	1	1.1	0	0.274	-1	2.632	0	9.602	1	1882	48	1.0
9861.4	10000	38.6364	94.6475	-867	PKC	3.0	-1	9.8	0	1.1	0	0.302	-1	2.598	-1	8.615	0	1895	33	1.0
9861.5	10000	38.6364	94.6467	-864	PKC	2.8	-1	10.1	1	1.2	0	0.281	-1	2.373	-1	8.442	0	1916	52	1.0
9861.6	10000	38.6364	94.6459	-863	PKC	2.7	-1	9.8	0	1.2	0	0.278	-1	2.337	-1	8.413	0	1925	41	1.0
9861.7	10000	38.6364	94.6451	-862	PKC	2.7	-1	9.7	0	1.2	0	0.280	-1	2.217	-1	7.920	0	1930	39	1.0
9861.8	10000	38.6364	94.6443	-861	PKC	2.8	-1	9.3	0	1.2	0	0.325	0	2.516	-1	7.748	0	1942	44	1.1
9861.9	10000	38.6364	94.6435	-859	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.660	-1	8.069	0	1944	42	1.0
9862.0	10000	38.6364	94.6427	-857	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.697	-1	8.209	0	1934	54	1.0
9862.1	10000	38.6364	94.6419	-855	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.895	-1	8.467	0	1916	51	1.0
9862.2	10000	38.6364	94.6411	-853	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.946	-1	8.810	0	1908	48	1.0
9862.3	10000	38.6364	94.6403	-850	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.850	-1	8.464	0	1911	49	1.0
9862.4	10000	38.6364	94.6395	-847	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.063	-1	8.812	0	1920	51	1.0
9862.5	10000	38.6364	94.6387	-845	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.025	-1	8.138	0	1917	55	1.0
9862.6	10000	38.6364	94.6379	-841	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.104	-1	8.185	0	1941	51	1.0
9862.7	10000	38.6364	94.6371	-837	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.022	-1	8.868	0	1969	52	1.0
9862.8	10000	38.6364	94.6363	-833	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.700	-1	8.022	0	1989	36	1.0
9862.9	10000	38.6364	94.6355	-830	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.774	-1	8.738	0	1994	45	1.0
9863.0	10000	38.6364	94.6347	-825	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.952	-1	8.265	0	1975	52	1.0
9863.1	10000	38.6364	94.6339	-821	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.885	-1	8.444	0	1953	47	1.0
9863.2	10000	38.6364	94.6331	-817	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.922	-1	8.502	0	1940	50	1.0
9863.3	10000	38.6364	94.6323	-813	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.765	-1	8.479	0	1910	48	1.0
9863.4	10000	38.6363	94.6315	-809	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.725	-1	8.471	0	1886	47	1.0
9863.5	10000	38.6363	94.6307	-805	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.857	-1	8.157	0	1857	48	1.0
9863.6	10000	38.6363	94.6299	-801	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.883	-1	8.489	0	1850	48	1.0
9863.7	10000	38.6363	94.6291	-797	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.903	-1	8.840	0	1864	38	1.0
9863.8	10000	38.6363	94.6283	-792	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.911	-1	8.664	0	1878	46	1.0
9863.9	10000	38.6363	94.6275	-787	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.907	-1	8.209	0	1900	48	1.0
9864.0	10000	38.6363	94.6267	-782	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.898	-1	8.364	0	1918	42	1.0
9864.1	10000	38.6363	94.6259	-777	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.882	-1	8.659	0	1926	44	1.0
9864.2	10000	38.6363	94.6251	-772	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.863	-1	8.343	0	1939	44	1.0
9864.3	10000	38.6363	94.6243	-767	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.767	-1	8.757	0	1936	44	1.0
9864.4	10000	38.6363	94.6235	-762	PKC	2.7	-1	9.4	0	1.2	0	0.287	-1	2.628	-1	8.682	0	1921	55	1.0

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9864.5	10000	38.6363	94.6227	-756	PKC	2.4	-2	8.8	0	1.1	0	0.274	-1	2.214	-1	8.087	0	1907	42	1.3
9864.6	10000	38.6363	94.6219	-751	PKC	2.3	-2	8.7	-1	1.0	-1	0.267	-1	2.265	-1	8.474	0	1865	54	1.3
9864.7	10000	38.6363	94.6210	-745	PKC	2.4	-2	9.1	0	1.0	-1	0.261	-1	2.318	-1	8.888	0	1832	41	1.3
9864.8	10000	38.6363	94.6203	-739	PKC	2.3	-2	9.2	0	1.0	-1	0.251	-1	2.276	-1	9.062	1	1799	54	1.3
9864.9	10000	38.6363	94.6194	-732	PKC	2.4	-2	9.0	0	1.0	-1	0.269	-1	2.418	-1	8.988	1	1788	52	1.3
9865.0	10000	38.6363	94.6186	-726	PKC	2.4	-2	8.8	0	1.0	-1	0.275	-1	2.533	-1	9.218	1	1784	40	1.4
9865.1	10000	38.6363	94.6178	-721	PKC	2.6	-1	9.1	0	1.0	-1	0.287	-1	2.700	0	9.419	1	1797	57	1.4
9865.2	10000	38.6363	94.6170	-716	PKC	2.8	-1	9.5	0	0.9	-1	0.294	-1	3.075	0	10.470	2	1813	35	1.4
9865.3	10000	38.6363	94.6162	-710	PKC	2.9	-1	9.6	0	1.0	-1	0.304	-1	3.016	0	9.909	1	1833	41	1.4
9865.4	10000	38.6363	94.6154	-704	PKC	3.0	-1	9.1	0	1.0	-1	0.328	0	2.967	0	9.032	1	1851	43	1.4
9865.5	10000	38.6363	94.6146	-698	PKC	2.8	-1	9.1	0	1.0	-1	0.308	-1	2.677	0	8.703	0	1858	47	1.4
9865.6	10000	38.6363	94.6138	-692	PKC	2.8	-1	8.8	0	1.0	0	0.315	-1	2.[illegible]	0	8.407	0	1850	50	1.4
9865.7	10000	38.6363	94.6130	-685	PKC	2.8	-1	8.8	0	1.1	0	0.317	-1	2.654	0	8.371	0	1845	46	1.4
9865.8	10000	38.6363	94.6122	-679	PKC	2.6	-1	8.9	0	1.0	0	0.294	-1	2.506	-1	8.530	0	1840	57	1.4
9865.9	10000	38.6363	94.6114	-673	PKC	2.7	-1	8.8	0	1.1	0	0.308	-1	2.553	-1	8.279	0	1841	46	1.4
9866.0	10000	38.6363	94.6106	-667	PKC	2.8	-1	8.7	0	1.1	0	0.316	-1	2.595	-1	8.204	0	1863	53	1.5
9866.1	10000	38.6363	94.6098	-660	PKC	2.7	-1	9.0	0	1.1	0	0.297	-1	2.516	-1	8.475	0	1881	45	1.5
9866.2	10000	38.6363	94.6090	-654	PKC	2.7	-1	9.0	0	1.0	0	0.300	-1	2.585	-1	8.609	0	1903	53	1.5
9866.3	10000	38.6363	94.6082	-647	PKC	2.7	-1	9.5	0	1.1	0	0.286	-1	2.460	-1	8.614	0	1923	54	1.5
9866.4	10000	38.6363	94.6074	-640	PKC	2.7	-1	9.6	0	1.1	0	0.279	-1	2.394	-1	8.569	0	1940	41	1.5
9866.5	10000	38.6363	94.6066	-634	PKC	2.9	-1	9.4	0	1.1	0	0.309	-1	2.645	0	8.563	0	1955	45	1.5
9866.6	10000	38.6363	94.6058	-628	PKC	2.9	-1	9.5	0	1.1	0	0.299	-1	2.565	-1	8.578	0	1962	49	1.5
9866.7	10000	38.6362	94.6050	-620	PKC	2.8	-1	9.5	0	1.1	0	0.291	-1	2.532	-1	8.689	0	1960	51	1.5
9866.8	10000	38.6363	94.6042	-613	PKC	2.8	-1	9.3	0	1.1	0	0.302	-1	2.558	-1	8.468	0	1960	51	1.5
9866.9	10000	38.6362	94.6034	-607	PKC	2.8	-1	9.2	0	1.1	0	0.301	-1	2.403	-1	7.981	0	1963	47	1.5
9867.0	10000	38.6362	94.6026	-600	PKC	2.7	-1	8.9	0	1.2	0	0.298	-1	2.288	-1	7.665	-1	1979	50	1.5
9867.1	10000	38.6362	94.6018	-593	PKC	2.4	-2	9.6	0	1.2	0	0.255	-1	2.034	-1	7.989	0	1994	52	1.6
9867.2	10000	38.6362	94.6010	-586	PKC	2.2	-2	9.9	1	1.2	1	0.224	-2	1.798	-2	8.010	0	2016	40	1.6
9867.3	10000	38.6362	94.6002	-580	PKC	2.3	-2	9.7	0	1.2	1	0.239	-2	1.837	-2	7.690	-1	2034	41	1.6
9867.4	10000	38.6362	94.5994	-573	PKC	2.4	-2	9.9	0	1.2	1	0.238	-2	1.851	-2	7.773	-1	2059	40	1.6
9867.5	10000	38.6362	94.5986	-566	PKC	2.5	-2	9.9	0	1.2	1	0.248	-2	1.866	-2	7.526	-1	2077	50	1.6
9867.6	10000	38.6362	94.5978	-559	PKC	2.6	-2	9.9	0	1.2	1	0.240	-2	1.818	-2	7.588	-1	2070	64	1.6
9867.7	10000	38.6362	94.5970	-553	PKC	2.9	-2	9.9	0	1.2	1	0.260	-2	2.120	-2	8.143	-1	2046	43	1.6
9867.8	10000	38.6362	94.5962	-547	PKC	3.0	-2	9.9	0	1.2	1	0.316	-2	2.480	-2	7.844	-1	2017	39	1.6
9867.9	10000	38.6362	94.5954	-541	PKC	3.0	-2	9.9	0	1.2	1	0.350	-2	2.669	-2	7.629	-1	1958	53	1.6
9868.0	10000	38.6362	94.5946	-536	PKC	3.0	-2	9.9	0	1.2	1	0.388	-2	2.058	-2	7.885	-1	1914	57	1.6
9868.1	10000	38.6362	94.5938	-531	PKC	3.0	-2	9.9	0	1.2	1	0.424	-2	2.396	-2	7.011	-1	1869	43	1.6
9868.2	10000	38.6362	94.5930	-530	PKC	3.0	-2	9.9	0	1.2	1	0.444	-2	2.922	-2	7.825	-1	1841	55	1.7
9868.3	10000	38.6362	94.5922	-530	PKC	3.0	-2	9.9	0	1.2	1	0.501	-2	2.200	-2	7.383	-1	1823	45	1.7
9868.4	10000	38.6362	94.5914	-522	PKC	3.0	-2	9.9	0	1.2	1	0.517	-2	2.153	-2	7.035	-1	1803	50	1.7
9868.5	10000	38.6362	94.5906	-513	PKC	3.0	-2	9.9	0	1.2	1	0.565	-2	2.568	-2	7.090	-1	1812	52	1.7
9868.6	10000	38.6362	94.5898	-506	PKC	3.0	-2	9.9	0	1.2	1	0.612	-2	2.940	-2	7.066	-1	1832	54	1.7
9868.7	10000	38.6362	94.5890	-500	PKC	3.0	-2	9.9	0	1.2	1	0.592	-2	2.712	-2	7.955	-1	1844	56	1.7
9868.8	10000	38.6362	94.5882	-495	PKC	3.0	-2	9.9	0	1.2	1	0.609	-2	2.792	-2	7.866	-1	1843	47	1.7
9868.9	10000	38.6362	94.5874	-492	PKC	3.0	-2	9.9	0	1.2	1	0.625	-2	2.560	-2	7.297	-1	1838	43	1.7
9869.0	10000	38.6362	94.5866	-489	PKC	3.0	-2	9.9	0	1.2	1	0.625	-2	2.812	-2	7.953	-1	1853	58	1.7
9869.1	10000	38.6362	94.5858	-486	PKC	3.0	-2	9.9	0	1.2	1	0.625	-2	2.812	-2	7.902	-1	1857	53	1.7
9869.2	10000	38.6362	94.5849	-482	PKC	3.0	-2	9.9	0	1.2	1	0.625	-2	2.812	-2	7.651	-1	1824	39	1.7
9869.3	10000	38.6361	94.5841	-480	PKC	3.0	-2	9.9	0	1.2	1	0.625	-2	2.812	-2	7.908	-1	1806	49	1.7
9869.4	10000	38.6361	94.5833	-478	PKC	3.0	-2	9.9	0	1.2	1	0.625	-2	2.812	-2	7.867	-1	1808	40	1.7
9869.5	10000	38.6361	94.5825	-476	PKC	3.0	-2	9.9	0	1.2	1	0.625	-2	2.812	-2	8.028	-1	1826	44	1.7
9869.6	10000	38.6361	94.5817	-472	PKC	2.7	-2	9.9	0	1.2	1	0.625	-2	2.812	-2	7.829	-1	1846	41	1.7

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9869.7	10000	38.6361	94.5809	-470	PKC	2.5	-1	8.7	-1	1.0	-1	0.288	-1	2.448	-1	8.507	0	1864	45	1.7
9869.8	10000	38.6361	94.5801	-471	PKC	2.6	-1	8.9	0	1.0	-1	0.293	-1	2.591	-1	8.850	0	1892	58	1.7
9869.9	10000	38.6361	94.5793	-471	PKC	2.6	-1	9.6	0	1.0	-1	0.276	-1	2.541	-1	9.203	1	1932	45	1.7
9870.0	10000	38.6361	94.5785	-470	PKC	2.5	-1	9.9	0	1.1	0	0.253	-1	2.280	-1	9.028	1	1978	54	1.7
9870.1	10000	38.6361	94.5776	-469	PKC	2.6	-1	10.0	1	1.1	0	0.256	-1	2.280	-1	8.924	0	2004	55	1.7
9870.2	10000	38.6361	94.5768	-468	PKC	2.5	-1	10.0	1	1.2	0	0.249	-1	2.106	-1	8.450	0	2023	43	1.7
9870.3	10000	38.6361	94.5760	-467	PKC	2.6	-1	9.8	0	1.2	0	0.261	-1	2.119	-1	8.112	0	2028	46	1.7
9870.4	10000	38.6360	94.5752	-467	PKC	2.7	-1	9.5	1	1.2	1	0.288	-1	2.207	-1	7.665	-1	2022	44	1.7
9870.5	10000	38.6360	94.5744	-467	PKC	2.7	-1	9.7	1	1.3	1	0.274	-1	2.088	-1	7.616	-1	2025	50	1.7
9870.6	10000	38.6360	94.5736	-466	PKC	2.7	-1	9.3	1	1.2	1	0.293	-1	2.174	-1	7.433	-1	2005	55	1.7
9870.7	10000	38.6360	94.5728	-466	PKC	2.9	-1	8.9	0	1.2	0	0.322	0	2.353	-1	7.299	-1	1979	60	1.7
9870.8	10000	38.6360	94.5720	-465	PKC	3.0	-1	8.6	-1	1.2	0	0.350	0	2.558	-1	7.309	-1	1938	57	1.7
9870.9	10000	38.6360	94.5712	-464	PKC	3.3	-1	8.4	-1	1.1	0	0.399	0	3.174	0	7.956	0	1896	54	1.7
9871.0	10000	38.6360	94.5703	-464	PKC	3.5	-1	8.1	-1	1.0	-1	0.424	0	3.529	1	8.316	0	1860	49	1.7
9871.1	10000	38.6360	94.5695	-463	PKC	3.2	-1	8.2	-1	1.0	-1	0.394	0	3.398	1	8.616	0	1844	48	1.7
9871.2	10000	38.6360	94.5687	-462	PKC	3.5	-1	7.4	-1	0.9	-1	0.476	1	3.863	1	8.117	0	1798	40	1.7
9871.3	10000	38.6360	94.5679	-461	PKC	3.4	-2	7.4	-1	0.9	-1	0.464	1	3.719	1	8.009	0	1779	37	1.7
9871.4	10000	38.6360	94.5671	-461	PKC	3.6	-2	7.4	-1	0.9	-1	0.489	1	3.990	1	8.158	0	1767	40	1.7
9871.5	10000	38.6360	94.5663	-460	PKC	3.4	-2	7.3	-1	0.9	-1	0.459	1	3.644	1	7.936	0	1779	46	1.7
9871.6	10000	38.6359	94.5655	-459	PKC	3.3	-2	7.2	-1	1.0	-1	0.457	1	3.337	1	7.296	-1	1792	43	1.7
9871.7	10000	38.6359	94.5647	-458	PKC	3.2	-2	7.3	-1	1.0	-1	0.444	1	3.138	0	7.075	-1	1805	59	1.7
9871.8	10000	38.6359	94.5639	-457	PKC	3.5	-2	7.0	-1	1.0	-1	0.506	2	3.550	1	7.017	-1	1802	42	1.7
9871.9	10000	38.6359	94.5630	-457	PKC	3.2	-1	7.4	-1	1.0	-1	0.430	1	3.139	0	7.295	-1	1823	57	1.7
9872.0	10000	38.6359	94.5622	-457	PKC	3.5	-1	7.6	-1	1.1	0	0.456	1	3.287	0	7.215	-1	1840	47	1.6
9872.1	10000	38.6359	94.5614	-458	PKC	3.3	-1	7.8	-1	1.0	0	0.418	1	3.107	0	7.434	-1	1841	54	1.6
9872.2	10000	38.6359	94.5606	-459	PKC	3.4	-2	7.4	-1	1.0	-1	0.461	1	3.408	1	7.390	-1	1813	39	1.6
9872.3	10000	38.6359	94.5598	-459	PKC	3.4	-2	7.4	-1	1.0	-1	0.447	1	3.321	0	7.434	-1	1805	56	1.6
9872.4	10000	38.6359	94.5590	-460	PKC	3.4	-1	7.5	-1	1.0	-1	0.456	1	3.515	0	7.715	0	1806	46	1.6
9872.5	10000	38.6359	94.5582	-460	PKC	3.2	-1	8.2	-1	1.0	-1	0.391	0	3.088	0	7.901	0	1827	55	1.6
9872.6	10000	38.6359	94.5574	-460	PKC	2.9	-1	7.7	-1	1.0	-1	0.378	0	2.955	0	7.809	0	1862	54	1.6
9872.7	10000	38.6358	94.5566	-461	PKC	3.0	-1	7.9	-1	1.0	-1	0.378	0	3.042	0	8.483	0	1895	43	1.6
9872.8	10000	38.6358	94.5558	-461	PKC	3.1	-1	8.1	-1	1.1	0	0.359	0	2.982	0	8.339	0	1919	46	1.6
9872.9	10000	38.6358	94.5549	-461	PKC	3.1	-1	8.2	-1	1.1	0	0.358	0	2.800	0	8.641	0	1973	42	1.6
9873.0	10000	38.6358	94.5541	-464	PP	3.1	-1	8.2	-1	1.1	0	0.324	0	2.771	0	8.792	0	1997	41	1.6
9873.1	10000	38.6358	94.5533	-469	PP	3.1	-1	8.2	-1	1.1	0	0.315	0	2.527	0	8.827	0	2016	60	1.6
9873.2	10000	38.6358	94.5525	-473	PP	3.1	-1	8.2	-1	1.1	0	0.286	0	2.528	0	8.582	0	2014	52	1.6
9873.3	10000	38.6358	94.5517	-476	PP	3.1	-1	8.2	-1	1.1	0	0.295	0	2.604	0	8.330	0	2016	55	1.6
9873.4	10000	38.6358	94.5509	-479	PP	3.1	-1	8.2	-1	1.1	0	0.313	0	2.698	0	8.227	0	2020	50	1.6
9873.5	10000	38.6358	94.5501	-480	PP	3.1	-1	8.2	-1	1.1	0	0.274	0	2.075	0	8.028	0	2039	39	1.6
9873.6	10000	38.6358	94.5493	-481	PP	3.1	-1	8.2	-1	1.1	0	0.265	0	2.136	0	8.052	0	2038	49	1.6
9873.7	10000	38.6358	94.5485	-482	PP	3.1	-1	8.2	-1	1.1	0	0.272	0	2.087	0	7.857	0	2052	44	1.6
9873.8	10000	38.6357	94.5477	-483	PP	3.1	-1	8.2	-1	1.1	0	0.266	0	2.291	0	7.643	0	2066	39	1.6
9873.9	10000	38.6357	94.5468	-484	PP	3.1	-1	8.2	-1	1.1	0	0.307	0	2.539	0	7.263	0	2093	52	1.6
9874.0	10000	38.6357	94.5460	-486	PP	3.1	-1	8.2	-1	1.1	0	0.314	0	2.630	0	7.385	0	2086	46	1.6
9874.1	10000	38.6357	94.5452	-487	PP	3.1	-1	8.2	-1	1.1	0	0.359	1	2.926	0	7.144	0	2089	36	1.6
9874.2	10000	38.6357	94.5444	-487	PP	3.1	-1	8.2	-1	1.1	0	0.351	1	2.950	0	7.407	0	2073	51	1.6
9874.3	10000	38.6357	94.5436	-488	PP	3.1	-1	8.2	-1	1.1	0	0.339	1	2.673	0	7.896	0	2071	47	1.6
9874.4	10000	38.6357	94.5428	-489	PP	3.1	-1	8.2	-1	1.1	0	0.362	1	2.832	0	7.824	0	2052	46	1.6
9874.5	10000	38.6357	94.5420	-490	PP	3.1	-1	8.2	-1	1.1	0	0.340	1	2.609	0	7.668	0	2021	41	1.6
9874.6	10000	38.6357	94.5412	-490	PP	3.1	-1	8.2	-1	1.1	0	0.352	1	2.695	0	7.280	0	1965	53	1.6
9874.7	10000	38.6357	94.5404	-487	PP	3.1	-1	8.2	-1	1.1	0	0.404	1	2.952	0	7.310	-1	1922	44	1.5
9874.8	10000	38.6357	94.5396	-478	PKC	3.1	-1	8.2	-1	1.1	0	0.400	1	2.867	0	7.174	-1	1892	44	1.5

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
9874.9	10000	38.6357	94.5387	-467	PKC	3.2	0	7.9	-1	1.1	0	0.412	1	2.953	0	7.167	-1	1881	54	1.5
9875.0	10000	38.6357	94.5379	-475	PKC	2.9	-1	7.6	-1	1.1	0	0.386	0	2.798	0	7.255	-1	1866	48	1.5
9875.1	10000	38.6356	94.5371	-490	PKC	2.7	-1	7.8	-1	1.1	0	0.340	0	2.466	-1	7.244	-1	1856	50	1.5
9875.2	10000	38.6356	94.5363	-499	PKC	2.5	-1	8.3	-1	1.1	0	0.302	-1	2.303	-1	7.627	-1	1871	54	1.5
9875.3	10000	38.6356	94.5355	-502	PKC	2.6	-1	8.9	0	1.1	0	0.298	-1	2.387	-1	8.020	0	1902	44	1.5
9875.4	10000	38.6356	94.5347	-502	PKC	2.2	-2	9.3	0	1.2	0	0.238	-2	1.903	-2	7.978	0	1948	42	1.5
9875.5	10000	38.6356	94.5339	-504	PKC	2.2	-2	9.6	0	1.2	0	0.232	-2	1.830	-2	7.901	0	1969	49	1.5
9875.6	10000	38.6356	94.5331	-505	PKC	2.4	-2	9.4	0	1.2	1	0.261	-1	1.963	-1	7.532	-1	1993	43	1.5
9875.7	10000	38.6356	94.5322	-506	PKC	2.7	-1	9.9	0	1.2	1	0.275	-1	2.210	-1	8.025	0	2012	48	1.5
9875.8	10000	38.6356	94.5314	-509	PKC	2.9	-1	9.8	0	1.2	1	0.293	-1	2.330	-1	7.948	0	2014	43	1.5
9875.9	10000	38.6356	94.5306	-511	PKC	3.0	-1	9.7	0	1.2	1	0.310	-1	2.416	-1	7.804	0	2013	48	1.5
9876.0	10000	38.6356	94.5298	-513	PKC	3.2	0	9.3	0	1.3	1	0.340	0	2.514	-1	7.402	-1	2002	51	1.5
9876.1	10000	38.6356	94.5290	-516	PKC	3.2	0	9.0	0	1.3	1	0.352	0	2.466	-1	7.005	-1	1997	42	1.5
9876.2	10000	38.6356	94.5282	-519	PKC	3.2	0	9.0	0	1.3	1	0.356	0	2.519	-1	7.073	-1	1994	47	1.4
9876.3	10000	38.6355	94.5274	-522	PKC	3.1	0	9.1	0	1.3	1	0.334	0	2.320	-1	6.939	-1	2004	51	1.4
9876.4	10000	38.6355	94.5266	-525	PKC	3.2	0	8.8	0	1.4	1	0.363	0	2.360	-1	6.497	-1	2005	51	1.4
9876.5	10000	38.6355	94.5258	-528	PKC	3.5	0	8.9	0	1.3	1	0.391	0	2.638	0	6.744	-1	2010	46	1.4
9876.6	10000	38.6355	94.5249	-530	PKC	3.7	1	8.7	-1	1.3	1	0.427	1	2.852	0	6.676	-1	2017	50	1.4
9876.7	10000	38.6355	94.5241	-534	PKC	3.6	0	8.8	0	1.3	1	0.404	1	2.793	0	6.913	-1	2034	41	1.4
9876.8	10000	38.6355	94.5233	-537	PKC	3.9	1	9.1	0	1.3	1	0.396	0	2.861	0	7.231	-1	2039	64	1.4
9876.9	10000	38.6355	94.5225	-540	PKC	3.7	1	8.8	1	1.2	1	0.422	1	3.004	0	7.126	-1	2057	48	1.4
9877.0	10000	38.6355	94.5217	-542	PKC	3.8	1	9.2	0	1.2	0	0.416	1	3.273	0	7.868	0	2042	49	1.4
9877.1	10000	38.6355	94.5209	-546	PKC	3.7	1	8.8	0	1.1	0	0.418	1	3.268	0	7.813	0	2040	51	1.4
9877.2	10000	38.6355	94.5201	-550	PKC	3.5	1	9.2	0	1.2	0	0.381	0	2.903	0	7.619	-1	2076	61	1.4
9877.3	10000	38.6354	94.5193	-554	PKC	3.4	0	9.5	0	1.2	1	0.356	0	2.719	0	7.638	-1	2078	47	1.4
9877.4	10000	38.6354	94.5185	-558	PKC	3.3	0	9.6	0	1.3	1	0.347	0	2.477	-1	7.132	-1	2077	57	1.4
9877.5	10000	38.6354	94.5177	-562	PKC	3.3	0	9.7	0	1.3	1	0.340	0	2.438	-1	6.956	-1	2072	22	1.4
9877.6	10000	38.6354	94.5168	-566	PKC	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.066	-1	2060	50	1.4
9877.7	10000	38.6354	94.5160	-570	PKC	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	6.745	-1	2055	55	1.4
9877.8	10000	38.6354	94.5152	-575	PKC	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	6.934	-1	2045	46	1.4
9877.9	10000	38.6354	94.5144	-577	PKC	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.242	-1	2019	62	1.4
9878.0	10000	38.6354	94.5136	-580	PKC	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.503	-1	1996	58	1.4
9878.1	10000	38.6354	94.5128	-584	PKC	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.030	-1	1978	60	1.4
9878.2	10000	38.6354	94.5120	-587	PKC	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.327	-1	1954	52	1.4
9878.3	10000	38.6354	94.5112	-590	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.320	-1	1928	47	1.4
9878.4	10000	38.6353	94.5104	-594	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.380	-1	1907	44	1.4
9878.5	10000	38.6353	94.5096	-597	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.584	-1	1891	47	1.4
9878.6	10000	38.6353	94.5087	-600	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.041	-1	1865	59	1.4
9878.7	10000	38.6353	94.5079	-602	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.395	-1	1857	38	1.4
9878.8	10000	38.6353	94.5071	-605	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.911	-1	1858	50	1.4
9878.9	10000	38.6353	94.5063	-608	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.263	-1	1870	52	1.4
9879.0	10000	38.6353	94.5055	-611	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.724	-1	1880	47	1.4
9879.1	10000	38.6353	94.5047	-614	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.989	-1	1890	63	1.4
9879.2	10000	38.6353	94.5039	-616	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.626	-1	1899	41	1.4
9879.3	10000	38.6353	94.5031	-618	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.444	-1	1916	44	1.4
9879.4	10000	38.6353	94.5023	-619	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.406	-1	1933	54	1.4
9879.5	10000	38.6352	94.5014	-620	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.676	-1	1937	57	1.4
9879.6	10000	38.6352	94.5006	-621	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.521	-1	1941	45	1.4
9879.7	10000	38.6352	94.4998	-623	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.323	-1	1928	59	1.4
9879.8	10000	38.6352	94.4990	-625	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.276	-1	1913	49	1.4
9879.9	10000	38.6352	94.4982	-627	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.598	-1	1929	58	1.4
9880.0	10000	38.6352	94.4974	-629	PP	3.2	0	9.7	0	1.3	1	0.330	0	2.403	-1	7.868	-1	1933	53	1.4

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9880.1	10000	38.6352	94.4966	-628	PP	3.3	0	9.3	0	1.1	0	0.356	0	3.046	0	8.561	0	1928	37	1.3
9880.2	10000	38.6352	94.4958	-629	PP	3.1	0	9.2	0	1.2	0	0.332	0	2.637	-1	7.930	0	1939	48	1.3
9880.3	10000	38.6352	94.4950	-630	PP	2.8	-1	9.4	0	1.2	1	0.299	-1	2.337	-1	7.818	0	1955	38	1.3
9880.4	10000	38.6352	94.4942	-631	PP	3.0	-1	10.0	1	1.3	1	0.303	-1	2.370	-1	7.833	0	2000	45	1.3
9880.5	10000	38.6352	94.4933	-632	PP	3.0	-1	10.1	1	1.3	1	0.295	-1	2.283	-1	7.741	0	2021	52	1.3
9880.6	10000	38.6351	94.4925	-632	PP	3.1	0	9.9	1	1.3	1	0.310	-1	2.340	-1	7.550	-1	2028	56	1.3
9880.7	10000	38.6351	94.4917	-632	PP	3.1	0	9.8	1	1.3	1	0.317	-1	2.472	-1	7.794	0	2028	56	1.3
9880.8	10000	38.6351	94.4909	-633	PP	3.2	0	9.8	1	1.3	1	0.328	-1	2.466	-1	7.519	-1	2043	45	1.3
9880.9	10000	38.6351	94.4901	-633	PP	3.4	0	9.8	1	1.3	1	0.345	0	2.692	-1	7.809	0	2042	51	1.3
9881.0	10000	38.6351	94.4893	-633	PP	3.4	0	9.7	1	1.2	1	0.352	0	2.768	0	7.861	0	2035	49	1.3
9881.1	10000	38.6351	94.4885	-632	PP	3.4	0	9.2	0	1.2	1	0.365	0	2.810	0	7.696	0	2019	59	1.3
9881.2	10000	38.6351	94.4877	-630	PP	3.3	0	9.1	0	1.2	0	0.358	0	2.766	0	7.735	0	2004	38	1.3
9881.3	10000	38.6351	94.4868	-629	PP	3.3	0	9.1	0	1.2	0	0.368	0	2.861	0	7.779	0	1976	49	1.3
9881.4	10000	38.6351	94.4860	-628	PP	3.5	0	8.6	-1	1.1	0	0.406	0	3.052	0	7.519	-1	1951	42	1.3
9881.5	10000	38.6351	94.4852	-627	PP	3.8	1	8.3	-1	1.1	0	0.453	1	3.510	1	7.749	0	1920	52	1.3
9881.6	10000	38.6351	94.4844	-626	PP	3.8	1	8.0	-1	1.0	-1	0.478	1	3.868	1	8.099	0	1891	47	1.3
9881.7	10000	38.6350	94.4836	-626	PP	4.0	1	7.6	-1	1.0	-1	0.519	2	4.068	1	7.833	0	1866	57	1.3
9881.8	10000	38.6350	94.4828	-623	PP	3.8	1	7.6	-1	0.9	-1	0.508	1	4.061	1	7.988	0	1835	42	1.2
9881.9	10000	38.6350	94.4820	-619	PP	3.8	1	7.4	-1	0.9	-1	0.513	2	4.097	1	7.994	0	1872	53	1.2
9882.0	10000	38.6350	94.4812	-615	PKC	3.9	1	7.7	-1	0.9	-1	0.504	2	4.224	2	8.384	0	1845	54	1.2
9882.1	10000	38.6350	94.4804	-611	PKC	3.7	1	7.8	-1	1.0	-1	0.477	1	3.828	1	8.031	0	1860	40	1.2
9882.2	10000	38.6350	94.4796	-607	PKC	3.5	0	7.9	-1	1.0	-1	0.448	1	3.631	1	8.101	0	1858	56	1.2
9882.3	10000	38.6350	94.4787	-602	PKC	3.4	0	7.7	-1	1.1	0	0.439	1	3.223	0	7.341	-1	1869	48	1.2
9882.4	10000	38.6350	94.4779	-598	PKC	3.3	0	8.0	-1	1.0	-1	0.415	1	3.184	0	7.671	-1	1883	32	1.2
9882.5	10000	38.6350	94.4771	-594	PKC	3.4	0	8.0	-1	1.0	-1	0.420	1	3.241	0	7.720	0	1902	38	1.2
9882.6	10000	38.6350	94.4763	-589	PKC	3.4	0	8.2	-1	1.1	0	0.413	1	3.052	0	7.389	-1	1927	40	1.2
9882.7	10000	38.6350	94.4755	-585	PKC	3.2	0	8.2	-1	1.1	0	0.381	1	2.698	0	7.090	-1	1950	51	1.2
9882.8	10000	38.6349	94.4747	-581	PKC	3.2	0	8.4	-1	1.2	0	0.366	1	2.689	0	7.352	-1	1970	48	1.2
9882.9	10000	38.6349	94.4739	-578	PKC	3.2	0	8.4	-1	1.2	0	0.369	1	2.680	0	7.258	-1	1992	44	1.2
9883.0	10000	38.6349	94.4731	-576	PKC	3.2	0	8.5	-1	1.2	0	0.366	1	2.692	0	7.984	-1	2012	52	1.2
9883.1	10000	38.6349	94.4723	-574	PKC	3.2	0	8.6	-1	1.2	0	0.354	1	2.690	0	7.195	-1	2018	55	1.2
9883.2	10000	38.6349	94.4715	-572	PP	3.2	0	8.6	-1	1.2	0	0.363	1	2.690	0	7.372	-1	2021	48	1.2
9883.3	10000	38.6349	94.4706	-570	PP	3.2	0	8.6	-1	1.2	0	0.399	1	2.690	0	7.717	-1	2025	44	1.2
9883.4	10000	38.6349	94.4698	-565	PP	3.2	0	8.6	-1	1.2	0	0.438	1	2.690	0	7.679	-1	2026	46	1.2
9883.5	10000	38.6349	94.4690	-559	PP	3.2	0	8.6	-1	1.2	0	0.455	1	2.690	0	7.503	-1	2015	49	1.2
9883.6	10000	38.6349	94.4682	-554	PP	3.2	0	8.6	-1	1.2	0	0.457	1	2.690	0	7.176	-1	2027	43	1.2
9883.7	10000	38.6349	94.4674	-548	PP	3.2	0	8.6	-1	1.2	0	0.415	1	2.690	0	7.314	-1	2017	55	1.2
9883.8	10000	38.6349	94.4666	-545	PP	3.2	0	8.6	-1	1.2	0	0.440	1	2.690	0	7.162	-1	2039	47	1.2
9883.9	10000	38.6348	94.4658	-545	PP	3.2	0	8.6	-1	1.2	0	0.428	1	2.690	0	7.605	-1	2039	51	1.2
9884.0	10000	38.6348	94.4650	-545	PP	3.2	0	8.6	-1	1.2	0	0.394	1	2.690	0	7.662	-1	2021	47	1.2
9884.1	10000	38.6348	94.4642	-546	PP	3.2	0	8.6	-1	1.2	0	0.355	1	2.690	0	7.094	-1	1984	62	1.2
9884.2	10000	38.6348	94.4634	-546	PP	3.2	0	8.6	-1	1.2	0	0.369	1	2.690	0	7.309	-1	1978	51	1.2
9884.3	10000	38.6348	94.4627	-548	PP	3.2	0	8.6	-1	1.2	0	0.361	1	2.690	0	7.663	-1	1954	46	1.2
9884.4	10000	38.6349	94.4619	-549	PP	3.2	0	8.6	-1	1.2	0	0.384	1	2.690	0	7.140	-1	1937	65	1.2
9884.5	10000	38.6349	94.4611	-550	PP	3.2	0	8.6	-1	1.2	0	0.353	1	2.690	0	7.209	-1	1908	66	1.2
9884.6	10000	38.6349	94.4604	-551	PP	3.2	0	8.6	-1	1.2	0	0.327	1	2.690	0	7.021	-1	1898	50	1.2
9884.7	10000	38.6349	94.4596	-552	PP	3.2	0	8.6	-1	1.2	0	0.350	1	2.690	0	7.045	-1	1908	44	1.2
9884.8	10000	38.6349	94.4588	-553	PP	3.2	0	8.6	-1	1.2	0	0.351	1	2.690	0	7.184	-1	1914	55	1.2
9884.9	10000	38.6349	94.4581	-553	PP	3.2	0	8.6	-1	1.2	0	0.347	1	2.690	0	7.112	-1	1915	44	1.2
9885.0	10000	38.6349	94.4573	-554	PP	3.2	0	8.6	-1	1.2	0	0.355	1	2.690	0	7.131	-1	1931	50	1.2
9885.1	10000	38.6349	94.4565	-554	PP	3.2	0	8.6	-1	1.2	0	0.356	1	2.690	0	7.131	-1	1932	44	1.2
9885.2	10000	38.6349	94.4557	-553	PP	3.2	0	8.6	-1	1.2	0	0.356	1	2.690	0	7.131	-1	1935	49	1.2

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9885.3	10000	38.6349	94.4550	-553	PP	3.3	0	8.7	0	1.0	0	0.382	0	3.186	0	8.334	0	1935	32	1.2
9885.4	10000	38.6349	94.4542	-552	PP	3.4	0	8.4	-1	1.0	-1	0.404	0	3.367	0	8.339	0	1911	42	1.2
9885.5	10000	38.6349	94.4534	-551	PP	3.5	0	8.6	0	1.0	-1	0.411	0	3.462	1	8.421	0	1915	43	1.2
9885.6	10000	38.6349	94.4527	-551	PP	3.4	0	8.6	0	1.0	-1	0.398	0	3.377	0	8.489	0	1901	47	1.2
9885.7	10000	38.6349	94.4519	-551	PP	3.6	1	8.9	0	1.0	-1	0.410	0	3.836	1	9.353	1	1881	45	1.2
9885.8	10000	38.6349	94.4511	-551	PP	3.5	0	9.4	0	0.9	-1	0.369	0	3.863	1	10.468	2	1883	62	1.2
9885.9	10000	38.6349	94.4504	-550	PP	3.6	1	9.3	0	0.9	-1	0.387	0	3.954	1	10.208	1	1885	58	1.2
9886.0	10000	38.6349	94.4496	-550	PP	3.6	1	9.7	0	0.9	-1	0.373	0	3.922	1	10.511	2	1877	48	1.2
9886.1	10000	38.6349	94.4488	-550	PP	3.6	1	10.0	1	0.9	-1	0.356	0	3.825	1	10.730	2	1893	51	1.3
9886.2	10000	38.6349	94.4481	-551	PP	3.3	0	9.9	1	1.0	-1	0.334	0	3.448	1	10.334	2	1908	44	1.3
9886.3	10000	38.6349	94.4473	-552	PP	3.2	0	10.2	1	1.1	0	0.310	-1	3.072	0	9.895	1	1946	45	1.3
9886.4	10000	38.6349	94.4465	-553	PP	3.1	0	10.0	1	1.1	0	0.309	-1	2.804	0	9.063	1	1974	44	1.3
9886.5	10000	38.6349	94.4458	-554	PP	3.3	0	9.8	1	1.2	0	0.341	0	2.861	0	8.389	0	1998	52	1.3
9886.6	10000	38.6349	94.4450	-556	PP	3.4	0	9.7	1	1.1	0	0.348	0	3.033	0	8.721	0	2011	32	1.3
9886.7	10000	38.6349	94.4442	-557	PP	3.3	0	9.9	1	1.1	0	0.337	0	2.950	0	8.751	0	2042	42	1.3
9886.8	10000	38.6349	94.4435	-559	PP	3.5	0	9.7	1	1.1	0	0.365	0	3.099	0	8.501	0	2051	48	1.3
9886.9	10000	38.6349	94.4427	-561	PP	3.6	1	9.6	1	1.1	0	0.378	0	3.223	1	8.529	0	2064	46	1.3
9887.0	10000	38.6349	94.4419	-563	PP	3.9	1	9.9	1	1.1	0	0.423	1	3.514	1	8.301	0	2058	45	1.3
9887.1	10000	38.6350	94.4411	-565	PP	3.8	1	9.3	1	1.1	0	0.410	0	3.439	1	8.388	0	2083	56	1.3
9887.2	10000	38.6350	94.4404	-567	PP	3.9	1	9.3	1	1.1	0	0.416	0	3.559	1	8.549	0	2081	67	1.3
9887.3	10000	38.6350	94.4396	-569	PP	3.8	1	9.5	1	1.1	0	0.403	0	3.464	1	8.598	0	2080	52	1.3
9887.4	10000	38.6350	94.4388	-571	PP	3.7	1	9.4	1	1.1	0	0.389	0	3.337	1	8.575	0	2076	46	1.3
9887.5	10000	38.6350	94.4381	-573	PP	3.4	0	9.4	1	1.1	0	0.366	0	3.185	0	8.706	0	2064	35	1.3
9887.6	10000	38.6350	94.4373	-575	PP	3.6	1	9.4	1	1.1	0	0.383	0	3.369	0	8.787	0	2041	49	1.3
9887.7	10000	38.6350	94.4365	-576	PP	3.3	0	9.9	1	1.0	0	0.335	0	3.221	0	9.607	1	2024	53	1.3
9887.8	10000	38.6350	94.4358	-578	PP	3.1	0	10.0	1	1.0	-1	0.314	-1	3.150	0	10.033	1	1985	61	1.3
9887.9	10000	38.6350	94.4350	-579	PP	3.0	0	9.7	1	1.0	-1	0.310	-1	2.940	0	9.333	1	1966	58	1.3
9888.0	10000	38.6350	94.4342	-579	PP	3.1	0	9.8	1	1.0	-1	0.317	-1	2.662	0	9.062	1	1976	38	1.3
9888.1	10000	38.6350	94.4335	-579	PP	3.0	0	9.3	1	1.0	-1	0.324	-1	2.578	0	8.212	1	1974	39	1.3
9888.2	10000	38.6350	94.4327	-579	PP	3.0	0	9.0	1	1.0	-1	0.337	-1	2.317	0	8.523	1	1990	46	1.3
9888.3	10000	38.6350	94.4319	-578	PP	3.1	0	8.7	1	1.0	-1	0.355	-1	2.245	0	8.052	1	1995	42	1.3
9888.4	10000	38.6350	94.4312	-578	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	2.392	0	8.654	1	2011	45	1.3
9888.5	10000	38.6350	94.4304	-577	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	2.453	0	8.341	1	2019	52	1.3
9888.6	10000	38.6350	94.4296	-576	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	2.786	0	8.179	1	1996	48	1.3
9888.7	10000	38.6350	94.4288	-575	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	2.993	0	8.414	1	1979	45	1.3
9888.8	10000	38.6350	94.4281	-574	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	3.076	0	8.482	1	1955	44	1.3
9888.9	10000	38.6350	94.4273	-573	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	3.084	0	8.945	1	1957	49	1.3
9889.0	10000	38.6350	94.4265	-572	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	3.032	0	8.986	1	1921	43	1.3
9889.1	10000	38.6350	94.4258	-571	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	3.154	0	8.830	1	1914	44	1.3
9889.2	10000	38.6350	94.4250	-570	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	3.268	0	8.554	1	1902	38	1.3
9889.3	10000	38.6350	94.4242	-568	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	3.269	0	8.604	1	1897	50	1.3
9889.4	10000	38.6350	94.4235	-567	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	2.999	0	8.547	1	1885	55	1.3
9889.5	10000	38.6350	94.4227	-567	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	3.331	0	8.849	1	1888	46	1.3
9889.6	10000	38.6350	94.4219	-566	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	3.322	0	8.174	1	1870	46	1.3
9889.7	10000	38.6350	94.4212	-564	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	3.301	0	8.192	1	1896	50	1.3
9889.8	10000	38.6350	94.4204	-563	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	3.313	0	8.204	1	1893	54	1.3
9889.9	10000	38.6350	94.4196	-562	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	3.300	0	8.202	1	1886	49	1.3
9890.0	10000	38.6351	94.4189	-560	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	3.309	0	8.177	1	1879	53	1.3
9890.1	10000	38.6351	94.4181	-559	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	3.280	0	8.227	1	1878	47	1.3
9890.2	10000	38.6351	94.4173	-557	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	3.266	0	8.121	1	1866	60	1.3
9890.3	10000	38.6351	94.4165	-556	PP	3.1	0	8.8	1	1.0	-1	0.352	-1	2.641	0	8.845	1	1875	58	1.3
9890.4	10000	38.6351	94.4158	-553	PP	2.6	0	9.0	1	1.0	-1	0.288	-1	2.641	0	9.121	1	1875	40	1.3

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9890.5	10000	38.6351	94.4150	-552	PP	2.7	-1	9.5	0	1.0	-1	0.286	-1	2.853	0	9.986	1	1862	42	1.3
9890.6	10000	38.6351	94.4142	-551	PP	2.8	-1	9.5	0	0.9	-1	0.292	-1	3.036	0	10.413	2	1858	41	1.3
9890.7	10000	38.6351	94.4135	-551	PP	2.8	-1	9.8	1	0.9	-1	0.288	-1	3.044	0	10.572	2	1862	43	1.3
9890.8	10000	38.6351	94.4127	-551	PP	2.8	-1	9.7	1	0.9	-1	0.294	-1	3.058	0	10.408	2	1855	55	1.3
9890.9	10000	38.6351	94.4119	-550	PP	2.8	-1	9.8	1	1.0	-1	0.290	-1	2.905	0	10.017	1	1856	41	1.3
9891.0	10000	38.6351	94.4112	-551	PP	3.0	-1	9.4	1	1.0	-1	0.323	-1	3.059	0	9.475	1	1860	53	1.3
9891.1	10000	38.6351	94.4104	-551	PP	3.4	0	9.3	1	0.9	-1	0.365	0	3.691	1	10.110	1	1869	47	1.3
9891.2	10000	38.6351	94.4096	-552	PP	3.7	1	9.3	1	0.9	-1	0.395	0	3.961	1	10.018	1	1874	44	1.3
9891.3	10000	38.6351	94.4089	-553	PP	3.8	1	9.1	1	1.0	-1	0.424	1	3.955	1	9.329	1	1906	43	1.3
9891.4	10000	38.6351	94.4081	-553	PM	3.9	1	9.2	1	1.0	0	0.421	1	3.863	1	9.184	0	1923	48	1.3
9891.5	10000	38.6351	94.4073	-554	PM	4.0	1	8.9	-1	1.0	0	0.448	2	3.860	1	8.624	0	1943	56	1.3
9891.6	10000	38.6351	94.4066	-555	PM	4.0	1	8.7	0	1.0	0	0.458	2	3.876	1	8.455	0	1975	69	1.3
9891.7	10000	38.6351	94.4058	-556	PM	4.0	1	9.0	1	1.1	0	0.442	1	3.748	1	8.473	0	2003	30	1.3
9891.8	10000	38.6351	94.4050	-556	PM	3.8	1	9.1	1	1.2	1	0.412	1	3.136	0	7.608	-1	2031	51	1.3
9891.9	10000	38.6351	94.4043	-556	PM	3.7	1	9.2	1	1.2	1	0.398	1	2.984	0	7.502	-1	2049	58	1.3
9892.0	10000	38.6351	94.4035	-556	PM	3.5	1	9.1	1	1.2	1	0.380	0	2.873	0	7.567	-1	2029	51	1.3
9892.1	10000	38.6351	94.4027	-555	PM	3.3	1	9.1	1	1.2	1	0.368	0	2.800	0	7.612	-1	2025	57	1.3
9892.2	10000	38.6351	94.4019	-554	PM	3.0	1	9.2	1	1.2	1	0.329	0	2.584	-1	7.858	-1	2013	45	1.3
9892.3	10000	38.6351	94.4012	-554	PM	3.1	0	9.6	1	1.2	1	0.328	0	2.661	-1	8.114	-1	1993	41	1.3
9892.4	10000	38.6351	94.4004	-553	PM	3.2	0	9.6	1	1.2	1	0.334	0	2.732	-1	8.182	0	1970	43	1.3
9892.5	10000	38.6351	94.3996	-552	PM	3.3	0	9.7	1	1.1	0	0.360	0	2.846	0	7.896	-1	1934	46	1.3
9892.6	10000	38.6352	94.3989	-551	PM	3.0	-1	9.8	0	1.1	0	0.338	0	2.637	-1	7.799	-1	1907	43	1.3
9892.7	10000	38.6352	94.3981	-550	PM	4.4	0	9.5	1	1.1	1	0.402	1	2.911	0	7.242	-1	1912	46	1.3
9892.8	10000	38.6352	94.3973	-549	PM	4.4	0	9.8	1	1.1	1	0.406	1	2.929	0	7.217	-1	1894	42	1.3
9892.9	10000	38.6352	94.3966	-549	PM	4.4	0	9.8	1	1.2	1	0.395	1	2.956	0	7.491	-1	1893	41	1.3
9893.0	10000	38.6352	94.3958	-548	PM	4.4	0	9.5	1	1.1	1	0.401	1	2.962	0	7.391	-1	1891	50	1.3
9893.1	10000	38.6352	94.3950	-547	PM	4.2	0	9.8	1	1.2	1	0.385	1	2.783	-1	7.226	-1	1901	48	1.3
9893.2	10000	38.6352	94.3943	-546	PM	4.1	0	9.8	1	1.2	1	0.336	0	2.638	-1	7.848	-1	1915	39	1.3
9893.3	10000	38.6352	94.3935	-544	PM	4.1	0	9.2	1	1.2	1	0.333	0	2.526	-1	7.587	-1	1930	54	1.3
9893.4	10000	38.6352	94.3927	-543	PM	4.7	-1	10.2	1	1.2	1	0.261	-1	2.180	-1	8.349	0	1934	44	1.3
9893.5	10000	38.6352	94.3920	-541	PM	4.5	-1	10.2	1	1.3	1	0.232	-2	1.983	-2	8.536	1	1932	58	1.3
9893.6	10000	38.6352	94.3912	-539	PM	4.5	-1	10.6	1	1.3	1	0.240	-2	1.956	-2	8.141	1	1944	53	1.3
9893.7	10000	38.6352	94.3904	-537	PM	4.4	-1	10.2	1	1.3	1	0.240	-2	1.913	-2	7.957	1	1940	49	1.3
9893.8	10000	38.6352	94.3897	-534	PM	4.6	-1	9.9	1	1.2	1	0.258	-2	2.048	-2	7.929	1	1930	42	1.3
9893.9	10000	38.6352	94.3889	-532	PM	4.7	-1	9.4	1	1.1	1	0.272	-2	2.216	-2	8.152	1	1910	42	1.3
9894.0	10000	38.6352	94.3881	-527	PM	4.8	-1	8.8	1	1.1	1	0.293	-1	2.407	-1	8.220	1	1890	40	1.3
9894.1	10000	38.6352	94.3873	-525	PM	4.9	-1	8.8	1	1.1	1	0.334	-1	2.611	-1	7.814	1	1874	48	1.3
9894.2	10000	38.6352	94.3866	-522	PM	4.9	-1	8.8	1	1.1	0	0.366	-1	2.833	-1	7.737	1	1873	46	1.3
9894.3	10000	38.6352	94.3858	-519	PM	4.9	-1	8.8	1	1.1	0	0.334	-1	2.816	-1	8.421	1	1864	44	1.3
9894.4	10000	38.6352	94.3850	-517	PM	4.9	-1	8.8	1	1.1	0	0.340	-1	2.885	-1	8.480	1	1867	51	1.3
9894.5	10000	38.6352	94.3843	-515	PM	4.9	-1	8.8	1	1.1	0	0.328	-1	2.813	-1	8.577	1	1868	52	1.3
9894.6	10000	38.6352	94.3835	-514	PM	4.9	-1	8.8	1	1.1	0	0.320	-1	2.804	-1	8.759	1	1860	43	1.3
9894.7	10000	38.6352	94.3827	-513	PM	4.9	-1	8.8	1	1.1	0	0.274	-1	2.494	-1	9.094	1	1861	58	1.3
9894.8	10000	38.6352	94.3820	-510	PM	4.9	-1	8.8	1	1.1	0	0.284	-1	2.595	-1	9.132	1	1872	47	1.3
9894.9	10000	38.6352	94.3812	-508	PM	4.9	-1	8.8	1	1.1	0	0.269	-1	2.595	-1	9.641	1	1890	70	1.3
9895.0	10000	38.6352	94.3804	-506	PM	4.9	-1	8.8	1	1.1	0	0.286	-1	2.597	-1	9.085	1	1901	43	1.3
9895.1	10000	38.6352	94.3797	-506	PP	4.9	-1	8.8	1	1.1	0	0.257	-1	2.415	-1	9.392	1	1921	52	1.3
9895.2	10000	38.6352	94.3789	-505	PP	4.9	-1	8.8	1	1.1	0	0.255	-1	2.337	-1	9.180	1	1942	45	1.3
9895.3	10000	38.6352	94.3781	-505	PP	4.9	-1	8.8	1	1.1	0	0.288	-1	2.450	-1	8.497	1	1971	54	1.3
9895.4	10000	38.6353	94.3774	-504	PP	4.9	-1	8.8	1	1.1	0	0.316	-1	2.611	-1	8.272	1	1995	38	1.3
9895.5	10000	38.6352	94.3766	-502	PP	4.9	-1	8.8	1	1.1	0	0.285	-1	2.324	-1	8.146	0	2000	44	1.3
9895.6	10000	38.6353	94.3758	-501	PP	2.9	-1	10.0	1	1.3	1	0.291	-1	2.308	-1	7.938	0	2007	44	1.2

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9895.7	10000	38.6353	94.3751	-501	PP	3.0	-1	10.0	1	1.3	1	0.302	-1	2.407	-1	7.976	0	2016	45	1.2
9895.8	10000	38.6353	94.3743	-500	PP	2.9	-1	9.6	1	1.2	1	0.299	-1	2.342	-1	7.834	0	1983	59	1.2
9895.9	10000	38.6353	94.3735	-499	PP	2.9	-1	9.7	0	1.2	0	0.299	-1	2.426	-1	8.111	0	1974	52	1.2
9896.0	10000	38.6353	94.3728	-498	PP	2.7	-1	9.7	1	1.2	0	0.273	-1	2.233	-1	8.173	0	1975	51	1.2
9896.1	10000	38.6353	94.3720	-497	PP	2.7	-1	10.0	1	1.2	1	0.270	-1	2.232	-1	8.254	0	1976	46	1.2
9896.2	10000	38.6353	94.3712	-497	PP	2.9	-1	10.0	1	1.2	0	0.296	-1	2.482	-1	8.373	0	1967	42	1.2
9896.3	10000	38.6353	94.3704	-498	PP	3.0	-1	9.5	0	1.1	0	0.320	-1	2.653	-1	8.278	0	1967	61	1.2
9896.4	10000	38.6353	94.3697	-498	PP	3.1	0	9.2	0	1.1	0	0.336	0	2.706	0	8.049	0	1952	50	1.2
9896.5	10000	38.6353	94.3689	-497	PP	3.4	0	9.5	0	1.2	0	0.363	0	2.914	0	8.035	0	1986	43	1.2
9896.6	10000	38.6353	94.3681	-497	PP	3.5	0	9.8	1	1.2	0	0.359	0	3.048	0	8.484	0	1994	47	1.2
9896.7	10000	38.6353	94.3674	-496	PP	3.5	0	9.8	1	1.2	0	0.359	0	2.973	0	8.284	0	1978	38	1.2
9896.8	10000	38.6353	94.3666	-495	PP	3.5	0	9.8	1	1.2	0	0.355	0	2.903	0	8.186	0	1973	60	1.2
9896.9	10000	38.6353	94.3658	-496	PP	3.5	0	9.6	0	1.2	0	0.361	0	2.991	0	8.275	0	1979	47	1.2
9897.0	10000	38.6353	94.3651	-498	PP	3.2	0	9.7	1	1.2	1	0.334	0	2.696	-1	8.073	0	1960	43	1.2
9897.1	10000	38.6353	94.3643	-502	PP	3.3	0	10.1	1	1.2	1	0.324	-1	2.725	0	8.416	0	1957	57	1.2
9897.2	10000	38.6353	94.3635	-505	PP	3.2	0	9.8	1	1.2	0	0.330	0	2.795	0	8.458	0	1943	49	1.2
9897.3	10000	38.6353	94.3628	-508	PP	3.2	0	9.4	0	1.2	0	0.346	0	2.762	0	7.994	0	1937	36	1.2
9897.4	10000	38.6353	94.3620	-511	PP	3.5	0	9.1	0	1.2	0	0.389	0	3.064	0	7.876	0	1928	35	1.2
9897.5	10000	38.6353	94.3612	-512	PP	3.7	1	8.9	0	1.1	0	0.419	0	3.324	0	7.941	0	1937	54	1.2
9897.6	10000	38.6353	94.3605	-512	PKC	3.7	1	8.7	0	1.2	0	0.421	1	3.119	0	7.400	-1	1944	58	1.2
9897.7	10000	38.6353	94.3597	-517	PKC	3.8	1	8.7	-1	1.2	0	0.433	1	3.194	0	7.370	-1	1943	64	1.2
9897.8	10000	38.6353	94.3589	-523	PKC	3.6	1	8.5	-1	1.1	0	0.427	1	3.171	0	7.418	-1	1930	52	1.2
9897.9	10000	38.6353	94.3582	-528	PKC	3.4	0	8.4	-1	1.1	0	0.407	1	3.007	0	7.388	-1	1905	50	1.2
9898.0	10000	38.6353	94.3574	-533	PKC	3.4	0	8.5	-1	1.1	0	0.399	0	3.110	0	7.788	0	1885	42	1.2
9898.1	10000	38.6353	94.3566	-536	PKC	2.9	-1	8.7	0	1.1	0	0.336	0	2.777	0	8.261	0	1879	47	1.2
9898.2	10000	38.6353	94.3559	-539	PKC	2.9	-1	8.6	-1	1.1	0	0.308	-1	2.492	-1	8.080	0	1853	52	1.2
9898.3	10000	38.6353	94.3551	-542	PKC	2.5	-1	8.1	-1	1.1	0	0.308	-1	2.164	-1	8.425	0	1819	50	1.2
9898.4	10000	38.6353	94.3543	-545	PKC	2.5	-1	8.2	-1	1.1	0	0.305	-1	2.291	-1	8.430	0	1810	50	1.2
9898.5	10000	38.6353	94.3535	-548	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.251	-1	7.972	0	1799	50	1.2
9898.6	10000	38.6353	94.3528	-551	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.364	-1	8.595	0	1787	38	1.2
9898.7	10000	38.6354	94.3520	-554	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.304	-1	8.461	0	1783	58	1.2
9898.8	10000	38.6354	94.3512	-556	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.549	-1	8.373	0	1779	46	1.2
9898.9	10000	38.6354	94.3505	-557	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.561	-1	8.494	0	1789	51	1.2
9899.0	10000	38.6354	94.3497	-558	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.692	-1	8.496	0	1814	43	1.2
9899.1	10000	38.6354	94.3489	-562	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.408	-1	8.391	0	1833	73	1.2
9899.2	10000	38.6354	94.3482	-565	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.568	-1	8.796	0	1851	60	1.2
9899.3	10000	38.6354	94.3474	-567	PP	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.484	-1	8.113	0	1886	54	1.2
9899.4	10000	38.6354	94.3466	-570	PP	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.399	-1	8.605	0	1913	47	1.2
9899.5	10000	38.6354	94.3459	-572	PP	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.368	-1	8.473	0	1942	39	1.2
9899.6	10000	38.6354	94.3451	-574	PP	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.492	-1	8.366	0	1966	43	1.2
9899.7	10000	38.6354	94.3443	-576	PP	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.708	-1	8.243	0	1968	33	1.2
9899.8	10000	38.6354	94.3436	-577	PP	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.014	-1	8.236	0	1971	55	1.2
9899.9	10000	38.6354	94.3428	-579	PP	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.832	-1	8.418	0	1983	35	1.2
9900.0	10000	38.6354	94.3420	-581	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.697	-1	8.427	0	1986	44	1.2
9900.1	10000	38.6354	94.3412	-582	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.728	-1	8.329	0	1979	48	1.2
9900.2	10000	38.6354	94.3405	-584	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.690	-1	8.084	0	1970	52	1.2
9900.3	10000	38.6354	94.3397	-585	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.681	-1	8.163	0	1953	39	1.2
9900.4	10000	38.6354	94.3389	-587	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.798	-1	8.079	0	1940	57	1.2
9900.5	10000	38.6354	94.3382	-588	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.772	-1	8.009	0	1934	62	1.2
9900.6	10000	38.6354	94.3374	-589	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.703	-1	8.091	0	1936	33	1.2
9900.7	10000	38.6354	94.3366	-591	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.772	-1	8.914	0	1939	55	1.2
9900.8	10000	38.6354	94.3358	-593	PKC	2.5	-1	8.3	-1	1.1	0	0.301	-1	2.703	-1	8.514	0	1928	52	1.2

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9900.9	10000	38.6353	94.3350	-594	PKC	3.1	0	9.1	0	1.0	-1	0.341	0	3.100	0	9.097	1	1927	51	1.3
9901.0	10000	38.6353	94.3343	-596	PKC	2.7	-1	9.4	0	1.0	0	0.290	-1	2.599	-1	8.962	0	1915	47	1.3
9901.1	10000	38.6353	94.3335	-597	PKC	2.7	-1	9.5	0	1.1	0	0.284	-1	2.550	-1	8.983	1	1921	53	1.3
9901.2	10000	38.6353	94.3327	-598	PKC	2.5	-1	9.8	0	1.0	-1	0.256	-1	2.428	-1	9.487	1	1928	49	1.3
9901.3	10000	38.6353	94.3319	-598	PKC	2.6	-1	9.9	0	1.0	-1	0.259	-1	2.452	-1	9.481	1	1932	39	1.3
9901.4	10000	38.6352	94.3311	-600	PKC	2.8	-1	9.7	0	1.1	0	0.291	-1	2.541	-1	8.746	0	1934	49	1.3
9901.5	10000	38.6352	94.3304	-602	PKC	2.8	-1	9.7	0	1.1	0	0.286	-1	2.510	-1	8.787	0	1936	47	1.4
9901.6	10000	38.6352	94.3296	-604	PKC	2.8	-1	9.1	0	1.2	0	0.308	-1	2.419	-1	7.850	0	1931	51	1.4
9901.7	10000	38.6352	94.3288	-606	PKC	3.0	-1	9.5	0	1.1	0	0.312	-1	2.653	0	8.498	0	1953	54	1.4
9901.8	10000	38.6352	94.3280	-606	PKC	2.9	-1	9.6	0	1.1	0	0.305	-1	2.678	0	8.777	0	1968	42	1.4
9901.9	10000	38.6352	94.3272	-608	PKC	3.1	0	9.6	0	1.1	0	0.317	-1	2.667	0	8.402	0	1972	40	1.4
9902.0	10000	38.6351	94.3264	-610	PP	3.2	0	10.2	1	1.1	0	0.311	-1	2.758	0	8.863	0	1982	40	1.4
9902.1	10000	38.6351	94.3257	-613	PP	2.8	-1	10.3	1	1.1	0	0.276	-1	2.524	-1	9.156	1	1988	53	1.4
9902.2	10000	38.6351	94.3249	-615	PP	2.8	-1	10.6	1	1.2	1	0.263	-1	2.301	-1	8.751	0	2015	47	1.4
9902.3	10000	38.6351	94.3241	-617	PP	2.8	-1	10.5	1	1.2	1	0.269	-1	2.305	-1	8.568	0	2031	43	1.4
9902.4	10000	38.6351	94.3233	-618	PP	2.9	-1	10.1	1	1.2	1	0.287	-1	2.346	-1	8.171	0	2031	58	1.4
9902.5	10000	38.6351	94.3225	-621	PP	2.8	-1	10.6	1	1.3	1	0.266	-1	2.232	-1	8.379	0	2037	51	1.4
9902.6	10000	38.6350	94.3218	-623	PP	2.8	-1	10.3	1	1.3	1	0.275	-1	2.267	-1	8.252	0	2032	45	1.4
9902.7	10000	38.6350	94.3210	-625	PP	2.8	-1	9.9	1	1.2	1	0.288	-1	2.333	-1	8.107	0	2009	44	1.4
9902.8	10000	38.6350	94.3202	-628	PKC	3.0	0	9.6	0	1.2	0	0.315	-1	2.481	-1	7.883	0	1988	58	1.4
9902.9	10000	38.6350	94.3194	-630	PKC	3.0	0	9.3	0	1.2	0	0.327	0	2.622	-1	8.014	0	1951	49	1.4
9903.0	10000	38.6350	94.3186	-633	PKC	3.0	0	9.4	0	1.1	0	0.322	0	2.692	0	8.366	0	1932	46	1.4
9903.1	10000	38.6350	94.3179	-635	PKC	3.0	-1	9.3	0	1.1	0	0.318	-1	2.718	0	8.555	0	1920	51	1.4
9903.2	10000	38.6349	94.3171	-637	PKC	3.1	0	8.7	0	1.1	0	0.352	0	2.917	0	8.298	0	1896	53	1.4
9903.3	10000	38.6349	94.3163	-639	PKC	2.9	-1	9.0	0	1.1	0	0.320	-1	2.623	-1	8.206	0	1902	53	1.4
9903.4	10000	38.6349	94.3155	-641	PKC	2.8	-1	8.8	0	1.1	0	0.321	0	2.472	-1	7.703	-1	1903	48	1.4
9903.5	10000	38.6349	94.3147	-643	PKC	2.8	-1	8.6	-1	1.2	0	0.323	0	2.361	-1	7.319	-1	1918	41	1.4
9903.6	10000	38.6349	94.3139	-645	PKC	2.9	-1	8.5	-1	1.2	0	0.344	0	2.447	-1	7.109	-1	1921	45	1.4
9903.7	10000	38.6348	94.3132	-647	PKC	2.9	-1	8.4	-1	1.3	0	0.351	0	2.338	-1	6.670	-1	1927	46	1.4
9903.8	10000	38.6348	94.3124	-648	PKC	3.1	0	8.1	-1	1.2	1	0.385	0	2.494	-1	6.473	-1	1926	47	1.4
9903.9	10000	38.6348	94.3116	-649	PKC	3.2	0	8.1	-1	1.3	1	0.413	0	2.580	-1	6.248	-2	1935	61	1.4
9904.0	10000	38.6348	94.3108	-650	PKC	3.6	0	7.8	-1	1.2	1	0.479	0	2.957	-1	6.166	-2	1942	39	1.4
9904.1	10000	38.6348	94.3100	-650	PKC	3.8	0	7.5	-1	1.2	1	0.501	0	3.210	-1	6.409	-2	1978	49	1.4
9904.2	10000	38.6348	94.3093	-650	PKC	3.9	0	7.6	-1	1.1	1	0.495	0	3.447	-1	6.961	-1	2003	40	1.4
9904.3	10000	38.6348	94.3085	-650	PKC	4.2	0	8.0	-1	1.1	1	0.518	0	3.710	-1	7.158	-1	2050	40	1.4
9904.4	10000	38.6347	94.3077	-650	PKC	4.3	0	9.3	-1	1.1	1	0.544	0	4.054	-1	7.446	-1	2073	48	1.4
9904.5	10000	38.6347	94.3069	-650	PP	4.2	0	8.5	-1	1.1	1	0.512	0	3.893	-1	7.611	-1	2097	49	1.4
9904.6	10000	38.6347	94.3061	-649	PP	4.2	0	8.5	-1	1.1	1	0.493	0	3.735	-1	7.573	-1	2124	52	1.4
9904.7	10000	38.6347	94.3054	-649	PP	4.1	0	8.5	-1	1.2	1	0.478	0	3.425	-1	7.171	-1	2140	65	1.4
9904.8	10000	38.6347	94.3046	-649	PP	4.0	0	8.5	-1	1.2	1	0.466	0	3.270	-1	7.011	-1	2151	51	1.4
9904.9	10000	38.6346	94.3038	-648	PP	4.0	0	8.5	-1	1.2	1	0.484	0	3.286	-1	6.785	-1	2125	51	1.4
9905.0	10000	38.6346	94.3030	-647	PP	3.7	0	8.1	-1	1.2	1	0.455	0	3.073	-1	6.749	-1	2095	44	1.4
9905.1	10000	38.6346	94.3022	-647	PP	3.8	-1	8.4	-1	1.2	1	0.450	0	3.128	-1	6.952	-1	2084	52	1.4
9905.2	10000	38.6346	94.3015	-647	PP	3.8	-1	8.1	-1	1.2	1	0.495	0	3.303	-1	6.669	-1	2074	47	1.4
9905.3	10000	38.6346	94.3007	-648	PP	3.8	-1	8.1	-1	1.2	1	0.472	0	3.302	-1	6.991	-1	2051	43	1.4
9905.4	10000	38.6346	94.2999	-647	PP	3.8	-1	8.1	-1	1.2	1	0.473	0	3.428	-1	7.246	-1	2036	55	1.4
9905.5	10000	38.6345	94.2991	-647	PP	3.8	-1	8.1	-1	1.2	1	0.461	0	3.424	-1	7.420	-1	2006	45	1.4
9905.6	10000	38.6345	94.2983	-647	PP	3.8	-1	8.1	-1	1.2	1	0.416	0	3.266	-1	7.842	0	2012	53	1.4
9905.7	10000	38.6345	94.2975	-647	PP	3.8	-1	8.1	-1	1.2	1	0.425	0	3.448	-1	8.121	0	2022	37	1.4
9905.8	10000	38.6345	94.2968	-648	PP	3.8	-1	8.1	-1	1.2	1	0.388	0	3.414	-1	8.803	1	2019	51	1.4
9905.9	10000	38.6345	94.2960	-649	PP	3.8	-1	8.1	-1	1.2	1	0.350	0	3.291	-1	9.401	1	2005	30	1.4
9906.0	10000	38.6345	94.2952	-649	PP	3.5	0	7.6	-1	1.0	1	0.362	0	3.295	-1	9.106	1	2004	50	1.4

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9906.1	10000	38.6344	94.2944	-650	PP	3.5	0	10.0	1	1.0	-1	0.345	0	3.503	1	10.155	1	1983	47	1.3
9906.2	10000	38.6344	94.2936	-651	PP	3.4	0	10.7	1	1.0	-1	0.318	-1	3.429	1	10.779	2	1980	39	1.3
9906.3	10000	38.6344	94.2929	-652	PP	3.3	0	10.4	1	1.0	0	0.320	-1	3.219	0	10.054	1	1983	60	1.3
9906.4	10000	38.6344	94.2921	-653	PP	3.2	0	10.3	1	1.1	0	0.313	-1	3.001	0	9.573	1	1976	50	1.3
9906.5	10000	38.6344	94.2913	-654	PP	3.4	0	10.0	1	1.1	0	0.343	0	3.136	0	9.142	1	1982	47	1.3
9906.6	10000	38.6343	94.2905	-655	PP	3.3	0	9.4	0	1.1	0	0.351	0	3.012	0	8.593	0	1981	53	1.3
9906.7	10000	38.6343	94.2897	-657	PP	3.5	0	9.8	1	1.1	0	0.355	0	3.274	0	9.213	1	1971	57	1.3
9906.8	10000	38.6343	94.2890	-658	PP	3.2	0	9.8	1	1.1	0	0.329	0	3.003	0	9.135	1	1958	64	1.3
9906.9	10000	38.6343	94.2882	-660	PM	3.3	0	9.0	0	1.1	0	0.370	0	3.123	0	8.436	0	1939	52	1.3
9907.0	10000	38.6343	94.2874	-661	PM	3.1	0	9.0	0	1.0	-1	0.348	0	3.148	0	9.046	0	1895	54	1.3
9907.1	10000	38.6343	94.2866	-663	PM	3.0	0	9.0	0	1.0	-1	0.339	0	3.047	0	9.001	0	1869	46	1.3
9907.2	10000	38.6342	94.2858	-664	PM	2.9	-1	8.9	0	1.0	-1	0.329	0	2.972	0	9.034	0	1861	47	1.3
9907.3	10000	38.6342	94.2850	-665	PM	3.1	0	9.3	0	1.0	0	0.337	0	3.121	0	9.253	0	1860	47	1.3
9907.4	10000	38.6342	94.2843	-665	PM	3.1	0	9.4	0	1.0	0	0.328	0	3.010	0	9.185	0	1880	42	1.3
9907.5	10000	38.6342	94.2835	-666	PM	3.0	-1	9.3	0	1.1	0	0.326	0	2.747	-1	8.431	0	1911	56	1.3
9907.6	10000	38.6342	94.2827	-666	PM	2.8	-1	9.7	0	1.1	0	0.283	-1	2.435	-1	8.599	0	1915	47	1.3
9907.7	10000	38.6341	94.2819	-666	PP	3.1	0	9.6	0	1.2	0	0.326	-1	2.683	-1	8.231	0	1945	49	1.3
9907.8	10000	38.6341	94.2811	-665	PP	3.0	-1	9.7	0	1.1	0	0.311	-1	2.635	-1	8.476	0	1968	40	1.3
9907.9	10000	38.6341	94.2804	-665	PP	2.9	-1	9.7	0	1.2	0	0.301	-1	2.405	-1	7.983	0	1965	34	1.3
9908.0	10000	38.6341	94.2796	-664	PP	2.7	-1	9.6	0	1.3	1	0.279	-1	2.143	-1	7.669	0	1970	36	1.3
9908.1	10000	38.6341	94.2788	-663	PP	2.8	-1	9.3	0	1.3	1	0.294	-1	2.193	-1	7.470	-1	1955	48	1.3
9908.2	10000	38.6341	94.2780	-662	PP	2.8	-1	9.3	0	1.3	1	0.300	-1	2.237	-1	7.464	-1	1941	35	1.3
9908.3	10000	38.6340	94.2772	-661	PP	3.0	-1	9.1	0	1.3	1	0.327	-1	2.354	-1	7.210	-1	1950	51	1.3
9908.4	10000	38.6340	94.2765	-660	PP	2.8	-1	9.3	0	1.3	1	0.303	-1	2.195	-1	7.241	-1	1947	49	1.3
9908.5	10000	38.6340	94.2757	-659	PP	2.9	-1	9.2	0	1.3	1	0.315	-1	2.234	-1	7.101	-1	1934	37	1.3
9908.6	10000	38.6340	94.2749	-656	PP	2.9	-1	9.2	0	1.3	1	0.312	-1	2.353	-1	7.545	-1	1929	39	1.3
9908.7	10000	38.6340	94.2741	-652	PP	2.9	-1	9.3	0	1.3	1	0.315	-1	2.531	-1	8.047	0	1932	54	1.3
9908.8	10000	38.6340	94.2733	-656	PP	2.7	-1	9.4	0	1.2	0	0.289	-1	2.348	-1	8.113	0	1950	43	1.3
9908.9	10000	38.6339	94.2726	-660	PP	2.7	-1	9.3	0	1.1	0	0.289	-1	2.354	-1	8.135	0	1956	46	1.3
9909.0	10000	38.6339	94.2718	-661	PP	2.8	-1	9.5	0	1.1	0	0.290	-1	2.414	-1	8.333	0	1970	54	1.3
9909.1	10000	38.6339	94.2710	-662	PP	2.8	-1	9.6	0	1.1	0	0.291	-1	2.475	-1	8.494	0	1974	55	1.3
9909.2	10000	38.6339	94.2702	-662	PP	2.8	-1	9.7	0	1.1	0	0.302	-1	2.593	-1	8.597	0	1990	44	1.3
9909.3	10000	38.6339	94.2694	-663	PP	3.0	0	9.6	0	1.1	0	0.311	-1	2.648	-1	8.502	0	1997	56	1.3
9909.4	10000	38.6339	94.2686	-664	PP	3.0	0	9.2	0	1.1	0	0.347	0	2.794	-1	8.060	0	2002	48	1.3
9909.5	10000	38.6338	94.2679	-665	PP	3.2	0	9.3	0	1.1	0	0.321	-1	2.548	-1	7.935	0	2000	63	1.3
9909.6	10000	38.6338	94.2671	-666	PP	3.2	0	9.0	0	1.1	0	0.315	-1	2.691	-1	7.550	0	1998	50	1.3
9909.7	10000	38.6338	94.2663	-669	PP	3.1	0	9.7	0	1.1	0	0.323	-1	2.708	-1	7.397	0	1985	43	1.3
9909.8	10000	38.6338	94.2655	-670	PP	3.1	0	9.9	1	1.1	0	0.308	-1	2.636	-1	7.558	0	1993	52	1.3
9909.9	10000	38.6338	94.2647	-672	PP	3.0	0	10.3	1	1.1	0	0.290	-1	2.521	-1	7.693	0	1984	45	1.3
9910.0	10000	38.6337	94.2640	-674	PP	2.8	-1	10.4	1	1.1	0	0.271	-1	2.331	-1	7.597	0	1990	67	1.3
9910.1	10000	38.6337	94.2632	-676	PP	2.7	-1	10.6	1	1.1	0	0.258	-1	2.265	-1	7.792	0	2001	47	1.3
9910.2	10000	38.6337	94.2624	-677	PP	2.9	-1	10.8	1	1.1	0	0.273	-1	2.532	-1	7.274	0	1997	39	1.3
9910.3	10000	38.6337	94.2616	-679	PP	2.8	-1	10.8	1	1.1	0	0.272	-1	2.481	-1	7.115	0	1994	57	1.3
9910.4	10000	38.6337	94.2608	-681	PP	2.8	-1	11.0	1	1.1	0	0.251	-1	2.365	-1	6.941	0	1996	53	1.3
9910.5	10000	38.6337	94.2601	-683	PP	2.8	-1	11.1	1	1.1	0	0.251	-1	2.296	-1	6.913	0	1999	48	1.3
9910.6	10000	38.6336	94.2593	-685	PP	2.8	-1	11.0	1	1.1	0	0.255	-1	2.356	-1	6.784	0	1997	51	1.3
9910.7	10000	38.6336	94.2585	-687	PP	2.8	-1	10.5	1	1.1	0	0.268	-1	2.490	-1	6.924	0	1994	62	1.3
9910.8	10000	38.6336	94.2577	-689	PM	2.8	-1	10.1	1	1.1	0	0.279	-1	2.361	-1	6.800	0	1978	47	1.3
9910.9	10000	38.6336	94.2569	-690	PM	2.8	-1	9.8	0	1.1	0	0.268	-1	2.412	-1	6.803	0	1989	47	1.3
9911.0	10000	38.6336	94.2561	-692	PM	2.8	-1	9.9	0	1.1	0	0.290	-1	2.389	-1	6.918	0	1997	49	1.3
9911.1	10000	38.6336	94.2554	-693	PM	2.9	-1	9.5	0	1.1	0	0.295	-1	2.485	-1	7.094	0	2012	48	1.3
9911.2	10000	38.6335	94.2546	-694	PM	3.2	0	9.4	0	1.2	1	0.307	-1	2.716	-1	7.100	0	2012	55	1.3
9911.3	10000	38.6335	94.2538	-695	PM	3.2	0	9.4	0	1.2	1	0.338	0	2.554	-1	8.046	-1	2012	55	1.3

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9911.3	10000	38.6335	94.2538	-695	PM	2.9	-1	9.6	0	1.1	0	0.306	-1	2.563	-1	8.388	0	2030	42	1.3
9911.4	10000	38.6335	94.2530	-696	PM	2.9	-1	9.9	0	1.2	1	0.292	-1	2.473	-1	8.460	0	2036	49	1.4
9911.5	10000	38.6335	94.2522	-696	PM	3.0	-1	10.0	1	1.2	1	0.299	-1	2.585	-1	8.659	0	2037	49	1.4
9911.6	10000	38.6335	94.2515	-696	PM	2.8	-1	10.0	1	1.1	0	0.280	-1	2.474	-1	8.836	0	2015	55	1.4
9911.7	10000	38.6334	94.2507	-696	PM	2.6	-1	10.2	1	1.1	0	0.259	-1	2.389	-1	9.208	0	2010	40	1.4
9911.8	10000	38.6334	94.2499	-695	PM	2.6	-1	10.2	1	1.1	0	0.257	-2	2.409	-1	9.383	0	1996	51	1.4
9911.9	10000	38.6334	94.2491	-695	PM	2.4	-2	10.1	1	1.0	0	0.242	-2	2.340	-1	9.661	1	1986	44	1.4
9912.0	10000	38.6334	94.2483	-695	PM	2.9	-1	10.2	1	1.0	0	0.290	-1	2.834	0	9.783	1	1976	38	1.4
9912.1	10000	38.6334	94.2476	-694	PM	2.9	-1	10.1	1	1.0	0	0.291	-1	2.924	0	10.037	1	1962	45	1.4
9912.2	10000	38.6334	94.2468	-693	PM	2.8	-1	9.8	0	1.0	-1	0.288	-1	2.915	0	10.116	1	1942	43	1.4
9912.3	10000	38.6333	94.2460	-692	PM	3.0	-1	9.7	0	1.0	-1	0.311	-1	3.127	0	10.057	1	1933	44	1.4
9912.4	10000	38.6333	94.2452	-690	PM	3.1	0	9.3	0	1.0	-1	0.332	0	3.237	0	9.743	1	1931	52	1.4
9912.5	10000	38.6333	94.2444	-689	PM	3.0	0	9.3	0	1.0	-1	0.335	0	3.241	0	9.683	1	1925	50	1.4
9912.6	10000	38.6333	94.2437	-688	PM	2.8	-1	9.6	0	1.0	-1	0.316	-1	3.148	0	9.958	1	1919	52	1.4
9912.7	10000	38.6333	94.2429	-686	PM	2.8	-1	9.9	0	1.0	-1	0.281	-1	2.862	0	10.172	1	1910	32	1.4
9912.8	10000	38.6332	94.2421	-685	PM	3.0	-1	9.4	0	1.0	-1	0.317	-1	3.047	0	9.615	1	1911	56	1.4
9912.9	10000	38.6332	94.2413	-684	PM	3.0	-1	9.7	0	1.0	-1	0.308	-1	2.948	0	9.575	1	1918	52	1.4
9913.0	10000	38.6332	94.2405	-683	PM	3.0	0	9.8	0	1.0	-1	0.310	-1	3.018	0	9.734	1	1923	47	1.4
9913.1	10000	38.6332	94.2397	-683	PM	3.2	0	9.7	0	1.1	0	0.326	0	3.147	0	9.654	1	1926	47	1.5
9913.2	10000	38.6332	94.2390	-682	PM	3.1	0	9.7	0	1.1	0	0.323	0	2.968	0	9.195	0	1939	61	1.5
9913.3	10000	38.6332	94.2382	-682	PM	3.4	0	9.8	0	1.1	0	0.345	0	3.151	0	9.139	0	1937	44	1.5
9913.4	10000	38.6331	94.2374	-681	PM	3.3	0	9.9	0	1.1	0	0.331	0	3.131	0	9.451	0	1939	51	1.5
9913.5	10000	38.6331	94.2366	-681	PM	3.2	0	10.0	0	1.1	0	0.304	-1	2.955	0	9.721	1	1932	47	1.5
9913.6	10000	38.6331	94.2358	-681	PM	3.2	0	10.0	0	1.1	0	0.323	0	3.196	0	9.889	1	1930	46	1.5
9913.7	10000	38.6331	94.2351	-681	PM	3.2	0	10.0	0	1.1	0	0.319	-1	3.203	1	10.037	1	1934	52	1.5
9913.8	10000	38.6331	94.2343	-681	PM	3.1	0	9.9	0	1.1	0	0.313	-1	3.244	1	10.366	1	1918	43	1.5
9913.9	10000	38.6330	94.2335	-681	PM	3.2	0	9.9	0	1.1	0	0.329	0	3.484	1	10.596	1	1899	54	1.5
9914.0	10000	38.6330	94.2327	-681	PM	3.3	0	9.9	0	1.1	0	0.337	0	3.348	0	9.923	1	1906	57	1.5
9914.1	10000	38.6330	94.2319	-682	PM	3.2	0	9.8	0	1.1	0	0.354	0	3.290	0	9.295	1	1907	48	1.5
9914.2	10000	38.6330	94.2312	-682	PM	3.2	0	9.9	0	1.1	0	0.353	0	3.254	0	9.223	0	1928	53	1.5
9914.3	10000	38.6330	94.2304	-682	PM	3.2	0	9.9	0	1.1	0	0.339	-1	3.025	0	8.931	1	1942	41	1.6
9914.4	10000	38.6330	94.2296	-683	PM	3.2	0	9.9	0	1.1	0	0.321	-1	2.695	-1	8.391	0	1930	45	1.6
9914.5	10000	38.6329	94.2288	-684	PM	3.2	0	9.9	0	1.1	0	0.336	-1	2.606	-1	7.763	-1	1931	40	1.6
9914.6	10000	38.6329	94.2280	-683	PM	3.2	0	9.9	0	1.1	0	0.317	-1	2.373	-1	7.489	-1	1941	43	1.6
9914.7	10000	38.6329	94.2272	-681	PM	3.2	0	9.9	0	1.1	0	0.290	-1	2.256	-1	7.769	-1	1952	44	1.6
9914.8	10000	38.6329	94.2265	-683	PM	3.2	0	9.9	0	1.1	0	0.275	-2	2.107	-1	7.657	-1	1948	34	1.6
9914.9	10000	38.6329	94.2257	-687	PM	3.2	0	9.9	0	1.1	0	0.282	-1	2.152	-1	7.633	-1	1950	46	1.6
9915.0	10000	38.6329	94.2249	-688	PM	3.2	0	9.9	0	1.1	0	0.278	-1	2.193	-1	7.883	-1	1957	52	1.6
9915.1	10000	38.6328	94.2241	-689	PM	3.2	0	9.9	0	1.1	0	0.300	-1	2.536	-1	8.448	0	1975	48	1.6
9915.2	10000	38.6328	94.2233	-691	PM	3.2	0	9.9	0	1.1	0	0.268	-1	2.477	-1	9.252	0	1990	54	1.6
9915.3	10000	38.6328	94.2226	-692	PM	3.2	0	9.9	0	1.1	0	0.283	-1	2.750	-1	9.732	1	1991	46	1.6
9915.4	10000	38.6328	94.2218	-694	PM	3.2	0	9.9	0	1.1	0	0.295	-1	2.895	-1	9.804	1	1963	45	1.6
9915.5	10000	38.6328	94.2210	-695	PM	3.2	0	9.9	0	1.1	0	0.297	-1	3.027	0	10.207	1	1969	52	1.7
9915.6	10000	38.6328	94.2202	-697	PM	3.2	0	9.9	0	1.1	0	0.279	-1	2.851	0	10.205	1	1957	52	1.7
9915.7	10000	38.6327	94.2194	-698	PM	3.2	0	9.9	0	1.1	0	0.261	-1	2.559	-1	9.787	1	1943	55	1.7
9915.8	10000	38.6327	94.2187	-700	PM	3.2	0	9.9	0	1.1	0	0.261	-1	2.438	-1	9.325	1	1947	46	1.7
9915.9	10000	38.6327	94.2179	-702	PM	3.2	0	9.9	0	1.1	0	0.277	-1	2.463	-1	8.896	1	1957	40	1.7
9916.0	10000	38.6327	94.2171	-703	PM	3.2	0	9.9	0	1.1	0	0.254	-2	2.302	-1	8.052	0	1970	44	1.7
9916.1	10000	38.6327	94.2163	-705	PM	3.2	0	9.9	0	1.1	0	0.261	-1	2.304	-1	8.832	0	1999	53	1.7
9916.2	10000	38.6326	94.2155	-706	PM	3.2	0	9.9	0	1.1	0	0.261	-1	2.326	-1	8.908	0	2012	42	1.7
9916.3	10000	38.6326	94.2148	-707	PM	3.2	0	9.9	0	1.1	0	0.280	-1	2.551	-1	9.116	0	2031	52	1.7
9916.4	10000	38.6326	94.2140	-708	PM	3.2	0	10.2	0	1.1	0	0.311	-1	2.811	0	9.052	0	2048	56	1.7

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9916.5	10000	38.6326	94.2132	-709	PM	3.0	-1	10.7	1	1.1	0	0.281	-1	2.751	-1	9.786	1	2058	46	1.7
9916.6	10000	38.6326	94.2124	-711	PM	2.9	-1	10.7	1	1.1	0	0.267	-1	2.617	-1	9.807	1	2068	62	1.7
9916.7	10000	38.6326	94.2116	-712	PM	3.0	-1	10.5	1	1.1	0	0.281	-1	2.768	-1	9.837	1	2061	48	1.7
9916.8	10000	38.6325	94.2108	-713	PM	2.9	-1	10.5	1	1.1	0	0.280	-1	2.676	-1	9.569	1	2057	43	1.7
9916.9	10000	38.6325	94.2101	-713	PM	3.2	0	9.9	1	1.1	0	0.320	-1	2.886	0	9.017	0	2058	40	1.7
9917.0	10000	38.6325	94.2093	-715	PM	2.9	-1	10.0	1	1.1	0	0.288	-1	2.663	-1	9.247	0	2062	45	1.7
9917.1	10000	38.6325	94.2085	-715	PM	2.8	-1	10.1	1	1.0	0	0.275	-1	2.700	-1	9.814	1	2050	36	1.8
9917.2	10000	38.6325	94.2077	-716	PM	2.9	-1	9.6	1	1.0	0	0.300	-1	2.826	0	9.413	0	2051	39	1.8
9917.3	10000	38.6324	94.2069	-716	PM	3.3	0	9.6	0	1.0	-1	0.341	0	3.350	0	9.830	1	2026	56	1.8
9917.4	10000	38.6324	94.2062	-717	PM	3.4	0	9.7	0	0.9	-1	0.347	0	3.623	1	10.441	1	2014	50	1.8
9917.5	10000	38.6324	94.2054	-717	PM	3.4	0	9.7	0	0.9	-1	0.355	0	3.812	1	10.740	1	2010	63	1.8
9917.6	10000	38.6324	94.2046	-717	PM	3.3	0	9.9	1	0.9	-1	0.333	0	3.642	1	10.924	1	2010	60	1.8
9917.7	10000	38.6324	94.2038	-717	PM	3.5	0	9.7	0	1.0	-1	0.363	0	3.638	1	10.014	1	2003	55	1.8
9917.8	10000	38.6324	94.2030	-717	PM	3.5	0	9.5	0	1.0	0	0.371	0	3.491	1	9.402	0	2022	41	1.8
9917.9	10000	38.6324	94.2023	-717	PM	3.6	1	9.3	0	1.0	0	0.388	1	3.498	1	9.018	0	2024	44	1.8
9918.0	10000	38.6324	94.2015	-717	PM	3.4	0	9.6	0	1.1	0	0.350	0	3.143	0	8.977	0	2036	46	1.8
9918.1	10000	38.6324	94.2007	-716	PM	3.4	0	9.7	0	1.1	0	0.353	0	3.039	0	8.607	0	2058	52	1.8
9918.2	10000	38.6324	94.1999	-716	PM	3.4	0	9.8	0	1.1	0	0.343	0	3.022	0	8.804	0	2052	43	1.8
9918.3	10000	38.6324	94.1991	-716	PM	3.3	0	9.8	0	1.1	0	0.339	0	3.044	0	8.982	0	2032	42	1.8
9918.4	10000	38.6324	94.1984	-715	PM	3.3	0	9.9	0	1.0	0	0.334	0	3.207	0	9.597	1	2028	53	1.8
9918.5	10000	38.6324	94.1976	-715	PM	3.5	1	10.0	1	1.0	0	0.352	0	3.449	1	9.809	1	2019	52	1.8
9918.6	10000	38.6324	94.1968	-715	PM	3.4	0	10.2	1	1.0	-1	0.329	0	3.372	1	10.250	1	2005	46	1.8
9918.7	10000	38.6324	94.1960	-714	PM	3.3	0	9.9	1	1.0	-1	0.334	0	3.309	0	9.900	1	2004	50	1.8
9918.8	10000	38.6324	94.1953	-714	PM	3.0	0	9.7	0	1.0	-1	0.315	-1	3.049	0	9.681	1	1995	47	1.8
9918.9	10000	38.6324	94.1945	-713	PM	2.9	-1	10.0	1	1.0	-1	0.287	-1	2.878	0	10.038	1	2004	69	1.8
9919.0	10000	38.6324	94.1937	-712	PM	3.0	-1	10.0	1	1.0	0	0.294	-1	2.866	0	9.738	1	2026	61	1.8
9919.1	10000	38.6324	94.1929	-712	PM	3.0	-1	10.0	1	1.0	0	0.305	-1	2.932	0	9.613	1	2020	50	1.8
9919.2	10000	38.6324	94.1921	-711	PM	3.0	-1	10.0	1	1.0	0	0.259	-2	2.525	0	9.765	1	2004	43	1.8
9919.3	10000	38.6323	94.1913	-710	PM	3.0	-1	10.0	1	1.0	0	0.259	-2	2.525	0	9.753	1	1998	46	1.8
9919.4	10000	38.6323	94.1906	-709	PM	2.9	-1	9.9	1	1.0	0	0.257	-2	2.558	0	9.968	1	1990	54	1.8
9919.5	10000	38.6323	94.1898	-709	PM	2.9	-1	9.9	1	1.0	0	0.260	-2	2.556	0	9.847	1	1984	37	1.8
9919.6	10000	38.6323	94.1890	-708	PM	2.9	-1	9.9	1	1.0	0	0.277	-2	2.530	0	9.145	1	1985	47	1.8
9919.7	10000	38.6323	94.1882	-708	PM	2.9	-1	9.9	1	1.0	0	0.267	-2	2.305	0	9.635	1	1975	50	1.8
9919.8	10000	38.6323	94.1875	-707	PM	2.9	-1	9.9	1	1.0	0	0.254	-2	2.078	0	9.173	1	1976	45	1.8
9919.9	10000	38.6323	94.1867	-707	PM	2.9	-1	9.9	1	1.0	0	0.303	-2	2.394	0	8.907	1	1988	38	1.8
9920.0	10000	38.6323	94.1859	-707	PM	2.9	-1	9.9	1	1.0	0	0.310	-2	2.340	0	7.556	1	1985	49	1.8
9920.1	10000	38.6323	94.1851	-707	PM	2.9	-1	9.9	1	1.0	0	0.314	-2	2.400	0	7.643	1	1985	51	1.8
9920.2	10000	38.6323	94.1843	-706	PM	2.9	-1	9.9	1	1.0	0	0.320	-2	2.496	0	7.802	1	1978	53	1.8
9920.3	10000	38.6323	94.1836	-706	PM	2.9	-1	9.9	1	1.0	0	0.313	-2	2.434	0	7.774	1	1960	42	1.8
9920.4	10000	38.6323	94.1828	-706	PM	2.9	-1	9.9	1	1.0	0	0.306	-2	2.438	0	7.969	1	1950	52	1.8
9920.5	10000	38.6323	94.1820	-706	PM	2.9	-1	9.9	1	1.0	0	0.310	-2	2.466	0	7.955	1	1934	61	1.8
9920.6	10000	38.6323	94.1812	-706	PM	2.9	-1	9.9	1	1.0	0	0.320	-2	2.579	0	8.068	1	1920	52	1.8
9920.7	10000	38.6323	94.1804	-705	PM	2.9	-1	9.9	1	1.0	0	0.338	-2	2.730	0	7.652	1	1918	58	1.8
9920.8	10000	38.6323	94.1797	-705	PM	2.9	-1	9.9	1	1.0	0	0.338	-2	2.972	0	7.482	1	1929	47	1.8
9920.9	10000	38.6323	94.1789	-706	PM	2.9	-1	9.9	1	1.0	0	0.390	-2	3.091	0	7.434	1	1952	57	1.8
9921.0	10000	38.6323	94.1781	-706	PM	2.9	-1	9.9	1	1.0	0	0.398	-2	3.002	0	7.150	1	1968	49	1.8
9921.1	10000	38.6323	94.1773	-706	PM	2.9	-1	9.9	1	1.0	0	0.398	-2	3.002	0	7.150	1	1968	49	1.8
9921.2	10000	38.6323	94.1765	-707	PM	2.9	-1	9.9	1	1.0	0	0.398	-2	3.002	0	7.150	1	1968	49	1.8
9921.3	10000	38.6323	94.1758	-708	PM	2.9	-1	9.9	1	1.0	0	0.398	-2	3.002	0	7.150	1	1968	49	1.8
9921.4	10000	38.6323	94.1750	-708	PM	2.9	-1	9.9	1	1.0	0	0.398	-2	3.002	0	7.150	1	1968	49	1.8
9921.5	10000	38.6323	94.1742	-709	PM	2.9	-1	9.9	1	1.0	0	0.398	-2	3.002	0	7.150	1	1968	49	1.8
9921.6	10000	38.6322	94.1734	-709	PM	2.9	-1	9.9	1	1.0	0	0.398	-2	3.002	0	7.150	1	1968	49	1.8

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9921.7	10000	38.6322	94.1726	-710	PM	3.2	0	9.9	0	1.0	-1	0.319	-1	3.191	0	10.018	1	2007	44	1.7
9921.8	10000	38.6322	94.1719	-711	PM	3.0	0	9.6	0	1.0	0	0.317	-1	2.994	0	9.443	0	2001	46	1.7
9921.9	10000	38.6322	94.1711	-711	PM	2.8	-1	9.4	0	1.0	0	0.296	-1	2.741	-1	9.247	0	2007	44	1.7
9922.0	10000	38.6322	94.1703	-712	PM	2.9	-1	9.3	0	1.1	0	0.316	-1	2.687	-1	8.507	0	2013	47	1.7
9922.1	10000	38.6322	94.1695	-713	PM	2.7	-1	9.8	0	1.1	0	0.273	-1	2.417	-1	8.840	0	2022	53	1.7
9922.2	10000	38.6322	94.1687	-714	PM	2.7	-1	9.8	0	1.1	0	0.279	-1	2.470	-1	8.847	0	2010	40	1.7
9922.3	10000	38.6322	94.1680	-715	PM	2.7	-1	10.1	1	1.1	0	0.266	-1	2.435	-1	9.140	0	2006	45	1.7
9922.4	10000	38.6322	94.1672	-716	PM	2.9	-1	10.1	1	1.0	0	0.291	-1	2.818	0	9.678	1	1994	45	1.7
9922.5	10000	38.6322	94.1664	-717	PM	3.0	-1	10.3	1	1.0	0	0.291	-1	2.895	0	9.942	1	1997	46	1.7
9922.6	10000	38.6322	94.1656	-718	PM	3.4	0	10.6	1	1.0	0	0.316	-1	3.214	0	10.157	1	2000	46	1.7
9922.7	10000	38.6322	94.1649	-719	PM	3.2	0	10.5	1	1.0	0	0.303	-1	3.098	0	10.223	1	2001	50	1.7
9922.8	10000	38.6322	94.1641	-720	PM	3.4	0	10.3	1	1.0	0	0.328	0	3.331	0	10.144	1	2003	50	1.7
9922.9	10000	38.6322	94.1633	-721	PM	3.2	0	10.4	1	1.0	0	0.310	-1	3.121	0	10.082	1	2028	55	1.7
9923.0	10000	38.6322	94.1625	-722	PM	3.1	0	10.0	1	1.1	0	0.314	-1	2.967	0	9.455	0	2035	47	1.7
9923.1	10000	38.6322	94.1617	-724	PM	2.9	-1	10.1	1	1.1	0	0.290	-1	2.605	-1	8.984	0	2048	51	1.7
9923.2	10000	38.6322	94.1609	-725	PM	2.8	-1	9.9	0	1.1	0	0.283	-1	2.479	-1	8.749	0	2043	45	1.7
9923.3	10000	38.6322	94.1602	-726	PM	2.6	-1	9.8	0	1.2	1	0.270	-1	2.252	-1	8.357	0	2038	42	1.7
9923.4	10000	38.6322	94.1594	-728	PM	2.7	-1	10.0	1	1.2	1	0.269	-1	2.270	-1	8.426	0	2045	51	1.7
9923.5	10000	38.6322	94.1586	-729	PM	2.7	-1	9.8	0	1.2	1	0.275	-1	2.258	-1	8.212	0	2046	30	1.7
9923.6	10000	38.6321	94.1578	-730	PM	2.8	-1	9.9	0	1.2	1	0.281	-1	2.324	-1	8.261	0	2025	48	1.7
9923.7	10000	38.6321	94.1571	-732	PM	2.7	-1	9.9	0	1.2	1	0.275	-1	2.324	-1	8.447	0	2016	58	1.7
9923.8	10000	38.6321	94.1563	-733	PM	2.9	-1	9.9	0	1.1	0	0.293	-1	2.523	-1	8.604	0	2000	49	1.7
9923.9	10000	38.6321	94.1555	-734	PM	3.2	0	9.6	0	1.1	0	0.331	0	2.833	0	8.566	0	1985	43	1.7
9924.0	10000	38.6321	94.1547	-732	PM	3.5	0	9.3	0	1.1	0	0.346	0	3.012	0	8.697	0	1963	58	1.7
9924.1	10000	38.6321	94.1539	-733	PM	3.3	0	9.1	0	1.1	0	0.356	0	3.090	0	8.675	0	1946	40	1.7
9924.2	10000	38.6321	94.1532	-734	PM	3.3	0	9.1	0	1.0	0	0.357	0	3.155	0	8.828	0	1949	44	1.7
9924.3	10000	38.6321	94.1524	-734	PM	3.4	0	9.1	0	1.0	0	0.380	0	3.326	0	3.756	0	1955	49	1.7
9924.4	10000	38.6321	94.1516	-733	PM	3.4	0	9.1	0	1.0	-1	0.371	0	3.434	1	9.249	0	1949	46	1.7
9924.5	10000	38.6321	94.1508	-731	PM	3.2	0	8.9	0	1.0	-1	0.355	0	3.169	0	8.938	0	1956	65	1.7
9924.6	10000	38.6321	94.1500	-728	PM	2.9	-1	9.3	1	1.0	0	0.314	0	2.758	0	8.796	0	1982	47	1.7
9924.7	10000	38.6321	94.1493	-725	PM	2.7	-1	9.6	1	1.1	0	0.285	0	2.516	0	8.835	0	2016	46	1.7
9924.8	10000	38.6321	94.1485	-722	PM	2.7	-1	9.7	1	1.1	0	0.272	0	2.441	0	8.961	0	2024	43	1.7
9924.9	10000	38.6321	94.1477	-719	PM	2.8	-1	9.8	1	1.1	0	0.284	0	2.497	0	8.795	0	2026	46	1.7
9925.0	10000	38.6321	94.1469	-715	PM	2.8	-1	9.7	1	1.1	0	0.270	0	2.438	0	8.029	0	2029	50	1.7
9925.1	10000	38.6321	94.1461	-711	PM	2.9	-1	9.8	1	1.1	0	0.280	0	2.429	0	8.669	0	2033	55	1.7
9925.2	10000	38.6321	94.1454	-706	PM	3.0	-1	9.9	1	1.1	0	0.288	0	2.596	0	8.024	0	2028	62	1.7
9925.3	10000	38.6321	94.1446	-702	PM	3.3	0	10.1	1	1.1	0	0.335	0	2.918	0	8.502	0	2032	50	1.7
9925.4	10000	38.6321	94.1438	-697	PM	3.3	0	10.2	1	1.1	0	0.323	0	2.881	0	8.974	0	2023	45	1.7
9925.5	10000	38.6321	94.1430	-692	PM	3.3	0	10.3	1	1.1	0	0.320	0	2.879	0	8.984	0	2015	46	1.7
9925.6	10000	38.6320	94.1422	-688	PM	3.3	0	10.3	1	1.1	0	0.320	0	2.879	0	8.984	0	2006	64	1.7
9925.7	10000	38.6320	94.1415	-684	PM	3.3	0	10.3	1	1.1	0	0.320	0	2.879	0	8.984	0	2003	42	1.7
9925.8	10000	38.6320	94.1407	-680	PM	3.3	0	10.3	1	1.1	0	0.320	0	2.879	0	8.984	0	2009	44	1.7
9925.9	10000	38.6320	94.1399	-676	PM	3.3	0	10.3	1	1.1	0	0.320	0	2.879	0	8.984	0	2025	52	1.7
9926.0	10000	38.6320	94.1391	-673	PM	3.3	0	10.3	1	1.1	0	0.320	0	2.879	0	8.984	0	2014	69	1.7
9926.1	10000	38.6320	94.1384	-671	PM	3.3	0	10.3	1	1.1	0	0.320	0	2.879	0	8.984	0	2022	45	1.7
9926.2	10000	38.6320	94.1376	-668	PM	3.3	0	10.3	1	1.1	0	0.320	0	2.879	0	8.984	0	2042	98	1.7
9926.3	10000	38.6320	94.1368	-665	PM	3.3	0	10.3	1	1.1	0	0.320	0	2.879	0	8.984	0	2042	53	1.7
9926.4	10000	38.6320	94.1360	-666	PM	3.3	0	10.3	1	1.1	0	0.320	0	2.879	0	8.984	0	2052	61	1.7
9926.5	10000	38.6320	94.1352	-666	PM	3.3	0	10.3	1	1.1	0	0.320	0	2.879	0	8.984	0	2064	81	1.7
9926.6	10000	38.6320	94.1345	-666	PM	3.3	0	10.3	1	1.1	0	0.320	0	2.879	0	8.984	0	2048	61	1.7
9926.7	10000	38.6320	94.1337	-665	PM	3.3	0	10.3	1	1.1	0	0.320	0	2.879	0	8.984	0	2061	54	1.7
9926.8	10000	38.6320	94.1329	-666	PM	3.3	0	10.3	1	1.1	0	0.320	0	2.879	0	8.984	0	2036	54	1.7

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9926.9	10000	38.6320	94.1321	-667	PM	3.3	0	9.3	0	1.0	0	0.352	0	3.141	0	8.934	0	2018	55	1.7
9927.0	10000	38.6320	94.1313	-668	PM	3.5	0	8.6	-1	1.1	0	0.399	1	3.256	0	8.150	-1	2024	39	1.7
9927.1	10000	38.6320	94.1306	-668	PM	3.8	1	9.0	0	1.1	0	0.422	1	3.448	1	8.174	0	2048	41	1.8
9927.2	10000	38.6320	94.1298	-669	PM	3.6	1	8.8	-1	1.2	1	0.413	1	3.023	0	7.324	-1	2059	49	1.8
9927.3	10000	38.6320	94.1290	-671	PM	3.7	1	8.8	-1	1.2	1	0.423	1	3.115	0	7.371	-1	2065	54	1.8
9927.4	10000	38.6320	94.1282	-672	PM	3.4	0	9.1	0	1.2	1	0.370	0	2.800	0	7.573	-1	2054	39	1.8
9927.5	10000	38.6320	94.1274	-673	PM	3.2	0	9.4	0	1.2	1	0.336	0	2.536	-1	7.556	-1	2056	48	1.8
9927.6	10000	38.6320	94.1267	-675	PM	3.2	0	9.6	0	1.3	1	0.334	0	2.541	-1	7.607	-1	2057	44	1.8
9927.7	10000	38.6320	94.1259	-675	PM	2.9	-1	10.2	1	1.3	1	0.289	-1	2.287	-1	7.924	-1	2065	38	1.8
9927.8	10000	38.6319	94.1251	-676	PM	2.8	-1	10.0	1	1.3	1	0.283	-1	2.208	-1	7.801	-1	2042	49	1.8
9927.9	10000	38.6320	94.1243	-678	PM	2.6	-1	9.9	1	1.2	1	0.262	-1	2.117	-2	8.090	-1	2028	47	1.8
9928.0	10000	38.6319	94.1235	-679	PM	2.7	-1	9.9	1	1.3	1	0.270	-1	2.120	-2	7.858	-1	2040	45	1.8
9928.1	10000	38.6319	94.1228	-680	PM	2.8	-1	9.7	0	1.3	1	0.284	-1	2.136	-2	7.507	-1	2063	43	1.8
9928.2	10000	38.6319	94.1220	-681	PM	3.0	-1	9.6	0	1.3	2	0.312	-1	2.274	-1	7.280	-1	2089	41	1.8
9928.3	10000	38.6319	94.1212	-682	PM	2.9	-1	9.2	0	1.3	2	0.314	-1	2.196	-1	6.997	-1	2089	44	1.8
9928.4	10000	38.6319	94.1204	-683	PM	3.1	0	8.9	0	1.3	1	0.342	0	2.363	-1	6.899	-1	2068	41	1.8
9928.5	10000	38.6319	94.1196	-686	PM	3.2	0	8.8	-1	1.3	1	0.363	0	2.506	-1	6.906	-1	2070	49	1.8
9928.6	10000	38.6319	94.1189	-688	PM	3.3	0	9.0	0	1.2	1	0.361	0	2.672	-1	7.401	-1	2055	51	1.9
9928.7	10000	38.6319	94.1181	-690	PM	3.1	0	8.8	-1	1.2	1	0.353	0	2.531	-1	7.170	-1	2038	43	1.9
9928.8	10000	38.6319	94.1173	-691	PM	2.9	-1	8.9	0	1.1	0	0.329	0	2.619	-1	7.953	-1	1999	49	1.9
9928.9	10000	38.6319	94.1165	-693	PM	2.9	-1	9.4	0	1.1	0	0.305	-1	2.636	-1	8.656	0	1969	44	1.9
9929.0	10000	38.6319	94.1158	-695	PM	2.8	-1	9.6	0	1.1	0	0.289	-1	2.624	-1	9.068	0	1941	51	1.9
9929.1	10000	38.6319	94.1150	-696	PM	2.6	-1	9.8	0	1.0	0	0.265	-1	2.532	-1	9.551	0	1937	44	1.9
9929.2	10000	38.6319	94.1142	-697	PM	2.5	-1	9.8	0	1.0	0	0.251	-2	2.394	-1	9.541	0	1914	47	1.9
9929.3	10000	38.6319	94.1134	-699	PM	2.6	-1	9.1	0	1.1	0	0.284	-1	2.464	-1	8.683	0	1908	61	1.9
9929.4	10000	38.6319	94.1126	-700	PM	2.5	-1	9.1	0	1.0	-1	0.275	-1	2.524	-1	9.163	0	1907	50	1.9
9929.5	10000	38.6319	94.1118	-701	PM	2.6	-1	9.4	0	1.1	0	0.276	-1	2.816	-1	9.963	0	1911	47	1.9
9929.6	10000	38.6319	94.1111	-702	PM	2.7	-1	9.5	0	1.1	0	0.284	-1	2.903	-1	9.279	0	1948	50	1.9
9929.7	10000	38.6319	94.1103	-703	PM	2.7	-1	9.6	0	1.1	0	0.281	-1	2.746	-1	9.469	0	1973	55	1.9
9929.8	10000	38.6318	94.1095	-704	PM	2.8	-1	9.6	0	1.1	0	0.292	-1	2.942	-1	9.199	0	1977	46	1.9
9929.9	10000	38.6318	94.1087	-705	PM	2.8	-1	9.6	0	1.1	0	0.292	-1	2.968	-1	9.067	0	1996	55	1.9
9930.0	10000	38.6318	94.1080	-706	PM	2.8	-1	9.6	0	1.1	0	0.292	-1	2.835	-1	8.770	0	1988	49	1.9
9930.1	10000	38.6318	94.1072	-707	PM	2.8	-1	9.6	0	1.1	0	0.292	-1	2.967	-1	8.490	0	1985	55	1.9
9930.2	10000	38.6318	94.1064	-708	PM	2.8	-1	9.6	0	1.1	0	0.292	-1	2.797	-1	8.169	0	1980	44	1.9
9930.3	10000	38.6318	94.1056	-709	PM	2.8	-1	9.6	0	1.1	0	0.292	-1	2.716	-1	8.122	0	1943	46	1.9
9930.4	10000	38.6318	94.1048	-710	PM	2.8	-1	9.6	0	1.1	0	0.292	-1	2.635	-1	8.131	0	1934	52	1.9
9930.5	10000	38.6318	94.1040	-710	PM	2.8	-1	9.6	0	1.1	0	0.292	-1	2.373	-1	7.075	-1	1924	45	1.9
9930.6	10000	38.6318	94.1033	-710	PM	2.8	-1	9.6	0	1.1	0	0.292	-1	2.394	-1	7.047	-2	1907	43	1.9
9930.7	10000	38.6318	94.1025	-712	PM	2.8	-1	9.6	0	1.1	0	0.292	-1	2.528	-1	6.084	-2	1930	40	1.9
9930.8	10000	38.6318	94.1017	-713	PM	2.8	-1	9.6	0	1.1	0	0.292	-1	2.400	-1	5.882	-2	1928	46	1.9
9930.9	10000	38.6318	94.1009	-714	PC	2.8	-1	9.6	0	1.1	0	0.292	-1	2.424	-1	6.114	-2	1955	44	1.9
9931.0	10000	38.6318	94.1002	-715	PC	2.8	-1	9.6	0	1.1	0	0.292	-1	2.474	-1	6.329	-2	1979	45	1.9
9931.1	10000	38.6318	94.0994	-716	PC	2.8	-1	9.6	0	1.1	0	0.292	-1	2.843	-1	6.884	-1	2010	54	1.9
9931.2	10000	38.6318	94.0986	-717	PC	2.8	-1	9.6	0	1.1	0	0.292	-1	3.045	-1	6.993	-1	2038	46	1.9
9931.3	10000	38.6318	94.0978	-718	PC	2.8	-1	9.6	0	1.1	0	0.292	-1	3.090	-1	7.095	-1	2060	57	1.9
9931.4	10000	38.6318	94.0970	-719	PC	2.8	-1	9.6	0	1.1	0	0.292	-1	2.941	-1	7.058	-1	2064	52	1.9
9931.5	10000	38.6318	94.0963	-719	PC	2.8	-1	9.6	0	1.1	0	0.292	-1	2.702	-1	7.533	-1	2077	37	1.9
9931.6	10000	38.6318	94.0955	-720	PC	2.8	-1	9.6	0	1.1	0	0.292	-1	2.645	-1	7.564	-1	2066	64	1.9
9931.7	10000	38.6318	94.0947	-721	PC	2.8	-1	9.6	0	1.1	0	0.292	-1	2.435	-1	7.307	-1	2057	49	1.9
9931.8	10000	38.6318	94.0939	-721	PC	2.8	-1	9.6	0	1.1	0	0.292	-1	2.284	-1	7.036	-1	2065	44	1.9
9931.9	10000	38.6318	94.0932	-722	PC	2.8	-1	9.6	0	1.1	0	0.292	-1	2.979	-1	6.829	-1	2066	48	1.9
9932.0	10000	38.6318	94.0924	-722	PC	2.8	-1	9.6	0	1.1	0	0.292	-1	2.714	-2	7.061	-1	2066	48	1.9

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9932.1	10000	38.6318	94.0916	-723	PC	2.2	-1	9.3	0	1.3	1	0.237	-1	1.688	-2	7.129	-1	2066	44	2.0
9932.2	10000	38.6318	94.0909	-723	PC	2.3	-1	9.5	0	1.3	1	0.243	-1	1.784	-2	7.349	-1	2057	65	2.0
9932.3	10000	38.6318	94.0901	-723	PC	2.2	-1	9.4	0	1.3	1	0.239	-1	1.725	-2	7.230	-1	2042	47	2.0
9932.4	10000	38.6318	94.0893	-724	PC	2.2	-1	9.4	0	1.3	1	0.236	-1	1.678	-2	7.109	-1	2026	38	2.0
9932.5	10000	38.6318	94.0885	-724	PC	2.0	-1	9.2	0	1.3	1	0.220	-2	1.559	-2	7.078	-1	1995	43	2.0
9932.6	10000	38.6318	94.0878	-724	PC	2.1	-1	9.0	0	1.3	1	0.239	-1	1.692	-2	7.072	-1	1948	58	2.0
9932.7	10000	38.6318	94.0870	-726	PC	2.3	-1	8.8	0	1.2	1	0.265	-1	1.920	-1	7.236	-1	1933	40	2.0
9932.8	10000	38.6318	94.0862	-726	PC	2.5	-1	8.8	-1	1.2	1	0.302	-1	2.035	-1	6.742	-1	1949	51	2.0
9932.9	10000	38.6318	94.0854	-727	PC	2.7	-1	8.8	-1	1.2	1	0.333	0	2.196	-1	6.585	-1	1993	49	2.0
9933.0	10000	38.6318	94.0847	-727	PC	2.8	-1	8.8	-1	1.2	1	0.350	0	2.280	-1	6.523	-1	2025	50	2.0
9933.1	10000	38.6318	94.0839	-729	PC	3.0	0	8.8	-1	1.2	0	0.360	0	2.512	-1	6.986	-1	2052	59	2.0
9933.2	10000	38.6318	94.0831	-730	PC	3.3	0	8.8	-1	1.2	0	0.395	1	2.819	0	7.144	-1	2070	48	2.0
9933.3	10000	38.6318	94.0823	-732	PC	3.4	0	8.8	0	1.2	0	0.391	1	2.883	0	7.374	-1	2105	39	2.0
9933.4	10000	38.6319	94.0816	-734	PC	3.3	0	9.2	0	1.2	1	0.359	0	2.711	0	7.541	-1	2123	55	2.0
9933.5	10000	38.6319	94.0808	-736	PC	3.4	0	9.4	0	1.2	1	0.364	0	2.763	0	7.600	-1	2132	44	2.0
9933.6	10000	38.6319	94.0800	-737	PC	3.3	0	9.7	0	1.2	0	0.346	0	2.847	0	8.220	0	2108	51	2.0
9933.7	10000	38.6319	94.0792	-740	PC	3.3	0	9.7	0	1.2	0	0.341	0	2.858	0	8.378	0	2092	45	1.9
9933.8	10000	38.6319	94.0785	-743	PC	3.3	0	9.3	0	1.2	0	0.352	0	2.841	0	8.069	0	2075	41	1.9
9933.9	10000	38.6319	94.0777	-746	PC	3.1	0	9.6	0	1.1	0	0.326	0	2.758	0	8.472	0	2064	40	1.9
9934.0	10000	38.6319	94.0769	-748	PM	3.2	0	9.2	0	1.1	0	0.331	0	2.757	-1	8.322	0	2054	48	1.9
9934.1	10000	38.6319	94.0761	-750	PM	3.2	0	8.6	-1	1.1	0	0.373	0	2.860	0	7.677	-1	2041	44	1.9
9934.2	10000	38.6319	94.0754	-751	PM	3.2	0	9.0	0	1.1	0	0.357	0	3.009	0	8.418	0	2006	49	1.9
9934.3	10000	38.6319	94.0746	-753	PM	3.3	0	8.7	-1	1.1	0	0.382	0	2.951	0	7.733	-1	1991	47	1.9
9934.4	10000	38.6319	94.0738	-754	PM	3.4	0	8.8	-1	1.1	0	0.392	1	3.054	0	7.795	-1	1985	46	1.9
9934.5	10000	38.6319	94.0730	-756	PM	3.5	0	8.9	0	1.1	0	0.396	1	3.152	0	7.955	-1	1993	46	1.9
9934.6	10000	38.6319	94.0723	-756	PM	3.4	0	8.6	-1	1.1	0	0.391	1	2.981	0	7.620	-1	1982	51	1.9
9934.7	10000	38.6319	94.0715	-756	PM	3.6	1	8.8	-1	1.1	0	0.405	1	3.220	0	7.961	-1	1971	50	1.9
9934.8	10000	38.6319	94.0707	-758	PM	3.4	0	9.3	0	1.1	0	0.364	0	3.032	0	8.335	0	1977	46	1.9
9934.9	10000	38.6319	94.0699	-758	PM	3.5	0	9.2	0	1.1	0	0.378	0	3.030	0	8.288	0	1984	53	1.9
9935.0	10000	38.6319	94.0692	-759	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	1998	43	1.9
9935.1	10000	38.6319	94.0684	-763	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2007	47	1.9
9935.2	10000	38.6319	94.0676	-764	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2010	46	1.9
9935.3	10000	38.6319	94.0668	-765	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2033	46	1.9
9935.4	10000	38.6319	94.0661	-767	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2063	45	1.9
9935.5	10000	38.6319	94.0653	-768	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2080	39	1.9
9935.6	10000	38.6319	94.0645	-769	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2107	49	1.9
9935.7	10000	38.6320	94.0638	-771	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2110	48	1.9
9935.8	10000	38.6320	94.0630	-773	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2110	44	1.9
9935.9	10000	38.6320	94.0622	-774	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2110	55	1.9
9936.0	10000	38.6320	94.0614	-775	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2108	55	1.9
9936.1	10000	38.6320	94.0607	-778	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2085	55	1.9
9936.2	10000	38.6320	94.0599	-780	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2065	55	1.9
9936.3	10000	38.6320	94.0591	-781	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2025	55	1.9
9936.4	10000	38.6320	94.0583	-784	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2001	55	1.9
9936.5	10000	38.6320	94.0576	-784	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	1997	55	1.9
9936.6	10000	38.6320	94.0568	-786	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2000	57	1.9
9936.7	10000	38.6320	94.0560	-787	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2027	57	1.9
9936.8	10000	38.6320	94.0552	-788	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2047	54	1.9
9936.9	10000	38.6320	94.0545	-788	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2074	55	1.9
9937.0	10000	38.6320	94.0537	-787	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2074	58	1.9
9937.1	10000	38.6320	94.0529	-786	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2111	52	1.9
9937.2	10000	38.6320	94.0521	-785	PM	3.5	0	9.2	0	1.1	0	0.380	0	3.029	0	8.288	0	2162	42	1.9

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9937.3	10000	38.6320	94.0514	-783	PM	3.7	1	9.2	0	1.1	0	0.397	1	3.235	0	8.143	-1	2137	46	1.6
9937.4	10000	38.6320	94.0506	-781	PM	3.8	1	9.2	0	1.1	0	0.409	1	3.501	1	8.554	0	2116	45	1.6
9937.5	10000	38.6320	94.0498	-780	PM	3.6	1	9.6	0	1.1	0	0.374	0	3.351	0	8.963	0	2094	49	1.6
9937.6	10000	38.6320	94.0490	-779	PM	3.3	1	9.8	0	1.1	0	0.340	0	3.157	0	9.273	0	2072	50	1.6
9937.7	10000	38.6320	94.0483	-778	PM	3.4	1	9.8	0	1.1	0	0.349	0	3.181	0	9.127	0	2045	49	1.6
9937.8	10000	38.6320	94.0475	-776	PM	3.3	1	9.4	0	1.1	0	0.354	0	3.158	0	8.916	0	2008	42	1.5
9937.9	10000	38.6320	94.0467	-775	PM	3.0	1	9.4	0	1.1	0	0.325	0	2.864	0	8.821	0	1973	51	1.5
9938.0	10000	38.6320	94.0459	-773	PM	3.0	-1	9.8	0	1.1	0	0.307	-1	2.817	0	9.184	0	1981	55	1.5
9938.1	10000	38.6320	94.0452	-772	PM	2.8	-1	9.4	0	1.1	0	0.297	-1	2.485	-1	8.357	0	1963	50	1.5
9938.2	10000	38.6320	94.0444	-771	PM	2.9	-1	9.0	0	1.1	0	0.317	-1	2.585	-1	8.164	-1	1943	63	1.5
9938.3	10000	38.6320	94.0436	-770	PM	2.9	-1	9.1	0	1.1	0	0.323	0	2.635	-1	8.164	-1	1934	51	1.5
9938.4	10000	38.6321	94.0428	-769	PM	2.6	-1	9.0	0	1.1	0	0.295	-1	2.363	-1	8.025	-1	1922	43	1.5
9938.5	10000	38.6321	94.0421	-769	PM	2.8	-1	9.1	0	1.1	0	0.310	-1	2.523	-1	8.140	-1	1934	47	1.5
9938.6	10000	38.6321	94.0413	-768	PM	2.9	-1	9.0	0	1.1	0	0.326	0	2.540	-1	7.799	-1	1952	49	1.5
9938.7	10000	38.6321	94.0405	-767	PM	2.8	-1	8.5	-1	1.1	0	0.332	0	2.521	-1	7.590	-1	1935	49	1.5
9938.8	10000	38.6321	94.0397	-767	PM	3.2	0	8.8	-1	1.1	0	0.360	0	2.863	0	7.947	-1	1948	39	1.4
9938.9	10000	38.6321	94.0390	-766	PM	3.2	0	9.1	0	1.1	0	0.347	0	2.908	0	8.372	0	1956	54	1.4
9939.0	10000	38.6321	94.0382	-766	PM	3.3	0	8.6	-1	1.0	0	0.386	1	3.193	0	8.276	0	1953	43	1.4
9939.1	10000	38.6321	94.0374	-765	PM	3.7	1	8.7	-1	1.0	-1	0.427	1	3.842	1	8.997	0	1948	40	1.4
9939.2	10000	38.6321	94.0367	-764	PM	3.8	1	8.6	-1	0.9	-1	0.438	1	3.981	1	9.082	0	1932	55	1.4
9939.3	10000	38.6321	94.0359	-763	PM	4.1	1	8.4	-1	0.9	-1	0.486	2	4.482	2	9.226	0	1920	49	1.4
9939.4	10000	38.6321	94.0351	-761	PM	4.0	1	8.2	-1	1.0	-1	0.491	2	4.218	2	8.590	0	1930	52	1.4
9939.5	10000	38.6321	94.0343	-758	PM	4.1	1	8.1	-1	1.0	-1	0.498	2	4.184	2	8.396	0	1943	47	1.4
9939.6	10000	38.6321	94.0336	-758	PM	4.1	1	8.2	-1	1.0	-1	0.497	2	4.047	1	8.150	-1	1957	43	1.4
9939.7	10000	38.6321	94.0328	-758	PM	4.0	1	8.6	-1	1.0	0	0.460	2	3.871	1	8.405	0	1967	59	1.4
9939.8	10000	38.6321	94.0320	-758	PM	3.6	1	8.6	-1	1.1	0	0.420	1	3.422	0	8.151	-1	1971	56	1.4
9939.9	10000	38.6321	94.0312	-756	PM	3.3	1	8.8	-1	1.1	0	0.375	1	3.039	0	8.111	-1	1976	49	1.4
9940.0	10000	38.6321	94.0305	-754	PM	3.2	1	8.9	-1	1.1	0	0.359	1	2.942	0	8.111	-1	1946	38	1.4
9940.1	10000	38.6321	94.0297	-753	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1919	38	1.4
9940.2	10000	38.6321	94.0289	-751	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1896	59	1.4
9940.3	10000	38.6321	94.0281	-749	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1861	53	1.4
9940.4	10000	38.6321	94.0274	-748	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1847	59	1.4
9940.5	10000	38.6321	94.0266	-746	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1852	45	1.4
9940.6	10000	38.6321	94.0258	-744	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1844	48	1.4
9940.7	10000	38.6321	94.0250	-742	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1876	39	1.4
9940.8	10000	38.6322	94.0243	-740	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1905	55	1.4
9940.9	10000	38.6322	94.0235	-739	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1913	46	1.4
9941.0	10000	38.6322	94.0227	-737	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1942	59	1.4
9941.1	10000	38.6322	94.0219	-735	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1960	49	1.4
9941.2	10000	38.6322	94.0212	-734	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1961	55	1.4
9941.3	10000	38.6322	94.0204	-732	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1990	48	1.4
9941.4	10000	38.6322	94.0196	-730	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	2008	34	1.4
9941.5	10000	38.6322	94.0188	-728	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	2014	39	1.4
9941.6	10000	38.6322	94.0181	-726	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	2018	55	1.4
9941.7	10000	38.6322	94.0173	-725	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	2026	38	1.4
9941.8	10000	38.6322	94.0165	-723	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	2014	53	1.4
9941.9	10000	38.6322	94.0157	-721	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	2004	45	1.4
9942.0	10000	38.6322	94.0150	-720	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1999	48	1.4
9942.1	10000	38.6322	94.0142	-718	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1985	53	1.4
9942.2	10000	38.6322	94.0134	-717	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1969	43	1.4
9942.3	10000	38.6322	94.0126	-716	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1959	43	1.4
9942.4	10000	38.6322	94.0119	-714	PM	3.0	1	8.9	-1	1.1	0	0.337	1	2.755	0	8.111	-1	1948	57	1.5

LINE 650 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9942.5	10000	38.6322	94.0111	-713	PM	3.7	1	10.1	1	0.9	-1	0.371	0	4.009	1	10.802	1	1949	54	1.5
9942.6	10000	38.6322	94.0103	-712	PM	3.6	1	10.0	1	0.9	-1	0.362	0	3.951	1	10.907	1	1947	47	1.5
9942.7	10000	38.6322	94.0096	-711	PM	3.5	0	9.9	0	0.9	-1	0.353	0	3.850	1	10.892	1	1929	50	1.5
9942.8	10000	38.6322	94.0088	-710	PM	3.2	0	9.9	0	0.9	-1	0.318	-1	3.338	0	10.510	1	1902	42	1.5
9942.9	10000	38.6322	94.0080	-709	PM	3.2	0	9.7	0	1.0	-1	0.326	0	3.210	0	9.862	1	1904	49	1.5
9943.0	10000	38.6322	94.0072	-708	PM	3.2	0	9.5	0	1.0	-1	0.342	0	3.292	0	9.632	1	1893	41	1.5
9943.1	10000	38.6322	94.0065	-708	PM	3.4	0	9.3	0	1.0	0	0.362	0	3.371	0	9.320	0	1888	39	1.5
9943.2	10000	38.6322	94.0057	-707	PM	3.1	0	9.0	0	1.0	-1	0.350	0	3.193	0	9.136	0	1870	49	1.5
9943.3	10000	38.6322	94.0049	-706	PM	3.0	-1	9.1	0	1.0	-1	0.332	0	3.125	0	9.423	0	1868	41	1.6
9943.4	10000	38.6323	94.0041	-706	PM	3.2	0	9.3	0	0.9	-1	0.347	0	3.451	1	9.957	1	1875	52	1.6
9943.5	10000	38.6323	94.0034	-706	PM	3.5	0	9.0	0	0.9	-1	0.387	1	3.742	1	9.675	1	1897	47	1.6
9943.6	10000	38.6323	94.0026	-706	PM	3.5	0	8.8	-1	0.9	-1	0.400	1	3.922	1	9.814	1	1897	33	1.6
9943.7	10000	38.6323	94.0018	-706	PM	3.5	0	8.9	-1	0.9	-1	0.394	1	3.840	1	9.752	1	1915	57	1.6
9943.8	10000	38.6323	94.0010	-706	PM	3.4	0	8.8	-1	0.9	-1	0.389	1	3.776	1	9.718	1	1921	36	1.6
9943.9	10000	38.6323	94.0003	-707	PM	3.5	0	9.0	0	0.9	-1	0.396	1	3.898	1	9.848	1	1934	52	1.6

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9686.1	10000	38.5472	95.9995	-654	PW	2.2	0	10.3	0	1.3	1	0.306	0	2.355	0	7.685	0	2165	53	1.3
9686.0	10000	38.5472	95.9988	-655	PW	2.3	0	10.4	1	1.3	1	0.320	0	2.488	0	7.778	0	2159	60	1.3
9685.9	10000	38.5472	95.9980	-656	PW	2.2	1	10.6	1	1.3	0	0.303	0	2.474	0	8.152	0	2144	50	1.3
9685.8	10000	38.5472	95.9973	-656	PW	2.1	0	10.5	1	1.3	0	0.299	0	2.425	0	8.097	0	2143	38	1.3
9685.7	10000	38.5472	95.9966	-658	PW	2.3	1	10.7	1	1.2	0	0.309	0	2.688	0	8.708	1	2128	39	1.3
9685.6	10000	38.5472	95.9959	-658	PW	2.5	1	11.2	1	1.1	0	0.312	0	3.037	1	9.745	2	2105	53	1.3
9685.5	10000	38.5472	95.9952	-659	PW	2.3	1	11.3	1	1.1	-1	0.296	0	2.989	1	10.102	2	2096	60	1.3
9685.4	10000	38.5472	95.9945	-661	PW	2.4	1	11.2	1	1.0	-1	0.303	0	3.326	2	10.964	3	2073	46	1.3
9685.3	10000	38.5472	95.9938	-662	PW	2.3	1	11.1	1	1.0	-1	0.297	0	3.249	2	10.922	3	2064	58	1.3
9685.2	10000	38.5472	95.9931	-663	PW	2.4	1	10.7	1	1.1	-1	0.316	0	3.198	2	10.110	2	2075	55	1.3
9685.1	10000	38.5472	95.9924	-665	PW	2.4	1	10.4	1	1.1	-1	0.323	0	3.187	2	9.881	2	2076	48	1.3
9685.0	10000	38.5472	95.9917	-666	PW	2.2	1	10.3	1	1.1	0	0.313	0	2.815	1	8.986	1	2085	46	1.4
9684.9	10000	38.5472	95.9910	-667	PW	2.2	1	9.9	1	1.2	0	0.325	0	2.653	0	8.170	0	2082	47	1.4
9684.8	10000	38.5472	95.9902	-668	PW	2.2	1	9.1	0	1.3	0	0.355	1	2.558	0	7.201	-1	2069	40	1.4
9684.7	10000	38.5472	95.9895	-669	PW	2.9	1	9.0	1	1.4	1	0.322	0	2.093	-1	6.492	-2	2080	48	1.4
9684.6	10000	38.5472	95.9888	-671	PW	2.7	1	9.0	1	1.4	1	0.303	0	1.970	-1	6.494	-2	2075	50	1.4
9684.5	10000	38.5472	95.9881	-672	PW	2.7	1	8.8	1	1.4	1	0.310	0	1.972	-1	6.364	-2	2047	42	1.4
9684.4	10000	38.5472	95.9874	-672	PW	2.8	1	9.2	1	1.4	1	0.299	0	1.985	-1	6.636	-2	2030	53	1.4
9684.3	10000	38.5472	95.9867	-673	PW	2.8	1	8.9	1	1.4	1	0.311	0	2.012	-1	6.461	-2	2012	55	1.4
9684.2	10000	38.5472	95.9860	-675	PW	2.7	1	8.8	1	1.3	1	0.304	0	2.018	-1	6.632	-2	2007	55	1.4
9684.1	10000	38.5472	95.9853	-676	PW	2.8	1	9.2	1	1.3	1	0.305	0	2.178	-1	7.129	-1	2013	49	1.4
9684.0	10000	38.5472	95.9846	-678	PW	2.9	1	9.7	1	1.3	1	0.315	0	2.362	0	7.488	-1	2028	41	1.4
9683.9	10000	38.5472	95.9838	-679	PW	2.9	1	9.7	1	1.3	1	0.303	0	2.238	0	7.396	-1	2037	43	1.4
9683.8	10000	38.5472	95.9831	-679	PW	2.9	1	9.9	1	1.3	1	0.294	0	2.214	-1	7.537	-1	2067	47	1.4
9683.7	10000	38.5472	95.9824	-680	PW	2.9	1	9.9	1	1.3	1	0.300	0	2.305	0	7.670	0	2070	28	1.4
9683.6	10000	38.5472	95.9817	-682	PW	2.8	1	9.9	1	1.3	1	0.283	0	2.194	-1	7.750	0	2082	50	1.4
9683.5	10000	38.5472	95.9810	-683	PW	2.8	1	9.9	1	1.3	1	0.287	0	2.231	0	7.779	0	2097	49	1.4
9683.4	10000	38.5472	95.9803	-684	PW	2.8	1	9.7	1	1.3	1	0.292	0	2.181	-1	7.473	-1	2109	47	1.4
9683.3	10000	38.5472	95.9796	-685	PW	2.8	1	9.6	1	1.3	1	0.305	0	2.350	0	7.696	0	2111	52	1.4
9683.2	10000	38.5472	95.9789	-686	PW	2.8	1	9.3	1	1.3	1	0.330	0	2.679	0	8.119	0	2124	36	1.5
9683.1	10000	38.5472	95.9782	-687	PW	2.8	1	9.1	1	1.3	1	0.320	0	2.670	0	8.355	0	2125	48	1.5
9683.0	10000	38.5472	95.9774	-688	PW	2.8	1	9.4	1	1.3	1	0.311	0	2.530	0	8.131	0	2129	49	1.5
9682.9	10000	38.5472	95.9767	-688	PW	2.8	1	9.6	1	1.3	1	0.298	0	2.552	0	8.553	0	2126	44	1.5
9682.8	10000	38.5472	95.9760	-689	PW	2.8	1	9.3	1	1.3	1	0.287	0	2.483	0	8.662	0	2107	46	1.5
9682.7	10000	38.5472	95.9753	-690	PW	2.8	1	9.1	1	1.3	1	0.261	0	2.416	0	8.243	0	2095	46	1.5
9682.6	10000	38.5472	95.9746	-690	PW	2.8	1	9.4	1	1.3	1	0.258	0	2.422	0	8.381	0	2054	41	1.5
9682.5	10000	38.5472	95.9739	-690	PW	2.8	1	9.4	1	1.3	1	0.259	0	2.378	0	8.195	0	2024	46	1.5
9682.4	10000	38.5472	95.9732	-691	PW	2.8	1	9.3	1	1.3	1	0.259	0	2.340	0	8.019	0	2004	57	1.5
9682.3	10000	38.5472	95.9725	-692	PW	2.8	1	9.3	1	1.3	1	0.283	0	2.690	0	9.520	0	1987	51	1.5
9682.2	10000	38.5472	95.9718	-691	PW	2.8	1	9.3	1	1.3	1	0.310	0	2.886	0	9.303	0	1966	63	1.5
9682.1	10000	38.5472	95.9711	-692	PW	2.8	1	9.3	1	1.3	1	0.302	0	2.730	0	9.030	0	1953	52	1.5
9682.0	10000	38.5472	95.9704	-692	PW	2.8	1	9.3	1	1.3	1	0.312	0	2.831	0	9.079	0	1917	60	1.5
9681.9	10000	38.5472	95.9696	-692	PW	2.8	1	9.3	1	1.3	1	0.278	0	2.685	0	9.594	0	1919	43	1.5
9681.8	10000	38.5472	95.9689	-692	PW	2.8	1	9.3	1	1.3	1	0.295	0	2.559	0	9.115	0	1933	51	1.5
9681.7	10000	38.5472	95.9682	-692	PW	2.8	1	9.3	1	1.3	1	0.275	0	2.337	0	8.932	0	1946	44	1.5
9681.6	10000	38.5473	95.9675	-692	PW	2.8	1	9.3	1	1.3	1	0.255	0	1.959	0	7.125	0	1977	50	1.5
9681.5	10000	38.5473	95.9667	-691	PW	2.8	1	9.3	1	1.3	1	0.244	0	1.749	-1	6.850	-1	2026	46	1.5
9681.4	10000	38.5473	95.9660	-691	PW	2.8	1	9.3	1	1.3	1	0.251	0	1.685	-1	6.911	-1	2062	57	1.6
9681.3	10000	38.5473	95.9653	-691	PW	2.8	1	9.3	1	1.3	1	0.213	0	1.638	-1	6.514	-1	2125	64	1.6
9681.2	10000	38.5473	95.9646	-691	PW	2.8	1	9.3	1	1.3	1	0.249	0	1.694	-1	6.558	-1	2168	45	1.6
9681.1	10000	38.5474	95.9638	-690	PW	2.8	1	9.3	1	1.3	1	0.234	0	1.604	-1	6.440	-1	2181	36	1.6
9681.0	10000	38.5474	95.9631	-690	QAL	2.8	1	9.3	1	1.3	1	0.234	0	1.501	-2	6.411	-1	2189	60	1.6

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9680.9	10000	38.5474	95.9624	-690	QAL	2.6	-1	10.3	1	1.6	1	0.258	-1	1.643	-1	6.364	-1	2190	47	1.6
9680.8	10000	38.5474	95.9616	-689	QAL	2.7	-1	9.8	0	1.6	1	0.281	-1	1.751	-1	6.241	-1	2187	57	1.6
9680.7	10000	38.5474	95.9609	-689	QAL	3.0	0	9.6	0	1.6	1	0.313	0	1.892	-1	6.043	-1	2199	57	1.6
9680.6	10000	38.5474	95.9602	-689	QAL	2.8	0	8.8	0	1.6	1	0.320	0	1.796	-1	5.614	-1	2193	58	1.6
9680.5	10000	38.5475	95.9594	-688	QAL	3.3	1	9.1	0	1.6	1	0.367	0	2.086	-1	5.684	-1	2209	45	1.6
9680.4	10000	38.5475	95.9587	-688	QAL	3.4	1	9.2	0	1.6	1	0.369	0	2.093	-1	5.672	-1	2220	43	1.6
9680.3	10000	38.5475	95.9580	-687	QAL	3.3	1	9.3	0	1.6	1	0.357	0	2.116	-1	5.924	-1	2229	58	1.6
9680.2	10000	38.5475	95.9572	-687	QAL	3.1	0	9.4	0	1.6	1	0.324	0	1.972	-1	6.077	-1	2213	64	1.6
9680.1	10000	38.5475	95.9565	-686	QAL	3.2	0	9.5	0	1.5	1	0.331	0	2.113	-1	6.373	-1	2196	41	1.6
9680.0	10000	38.5476	95.9558	-686	QAL	3.2	0	9.1	0	1.5	1	0.350	0	2.178	-1	6.223	-1	2167	54	1.6
9679.9	10000	38.5476	95.9551	-686	QAL	3.3	0	9.9	1	1.5	1	0.333	0	2.246	0	6.740	-1	2164	49	1.6
9679.8	10000	38.5476	95.9543	-685	QAL	3.0	0	9.9	1	1.5	1	0.305	0	2.021	-1	6.636	-1	2143	55	1.6
9679.7	10000	38.5476	95.9536	-685	QAL	2.9	0	9.7	0	1.5	1	0.300	-1	1.948	-1	6.497	-1	2131	45	1.6
9679.6	10000	38.5476	95.9529	-684	QAL	2.9	0	9.6	0	1.5	1	0.301	-1	1.928	-1	6.404	-1	2125	49	1.6
9679.5	10000	38.5476	95.9521	-683	QAL	3.1	0	10.0	1	1.5	1	0.314	0	2.118	-1	6.749	-1	2139	54	1.6
9679.4	10000	38.5476	95.9514	-683	QAL	2.9	0	10.2	1	1.5	1	0.290	-1	1.899	-1	6.558	-1	2152	44	1.6
9679.3	10000	38.5477	95.9507	-683	QAL	2.7	-1	10.5	1	1.5	1	0.255	-1	1.734	-1	6.803	-1	2171	53	1.6
9679.2	10000	38.5477	95.9500	-684	PW	2.7	-1	10.8	1	1.5	2	0.246	-1	1.727	-2	7.035	-1	2184	54	1.6
9679.1	10000	38.5477	95.9492	-683	PW	2.7	-1	10.7	1	1.5	2	0.253	-1	1.821	-1	7.184	-1	2195	47	1.6
9679.0	10000	38.5477	95.9485	-683	PW	2.8	0	11.0	1	1.5	2	0.254	-1	1.891	-1	7.460	-1	2206	35	1.6
9678.9	10000	38.5477	95.9478	-683	PW	3.0	0	10.9	1	1.5	2	0.274	-1	1.982	-1	7.242	-1	2207	58	1.6
9678.8	10000	38.5478	95.9470	-683	PW	3.0	0	10.9	1	1.5	2	0.275	-1	1.984	-1	7.218	-1	2204	39	1.6
9678.7	10000	38.5478	95.9463	-682	PW	3.2	0	11.1	1	1.5	2	0.283	0	2.094	-1	7.406	-1	2213	41	1.6
9678.6	10000	38.5478	95.9456	-682	PW	3.3	1	11.4	2	1.5	2	0.288	0	2.215	-1	7.679	0	2212	40	1.6
9678.5	10000	38.5478	95.9448	-682	PW	3.2	0	10.9	1	1.5	2	0.293	0	2.190	-1	7.480	-1	2203	56	1.6
9678.4	10000	38.5478	95.9441	-682	PW	3.1	0	10.9	1	1.4	1	0.282	0	2.152	-1	7.625	-1	2193	53	1.6
9678.3	10000	38.5478	95.9434	-682	PW	3.2	0	11.5	2	1.4	1	0.275	-1	2.270	0	8.257	0	2200	59	1.6
9678.2	10000	38.5479	95.9426	-682	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.204	-1	8.001	-1	2195	39	1.6
9678.1	10000	38.5479	95.9419	-682	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.225	-1	8.039	-1	2201	49	1.6
9678.0	10000	38.5479	95.9412	-682	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.224	-1	8.057	-1	2172	60	1.6
9677.9	10000	38.5479	95.9404	-682	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.272	-1	8.250	-1	2152	46	1.6
9677.8	10000	38.5479	95.9397	-683	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.436	-1	8.061	-1	2142	53	1.5
9677.7	10000	38.5480	95.9390	-683	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.631	-1	7.860	-1	2134	46	1.5
9677.6	10000	38.5480	95.9383	-683	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.559	-1	7.227	-1	2103	55	1.5
9677.5	10000	38.5480	95.9375	-683	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.676	-1	7.564	-1	2106	67	1.5
9677.4	10000	38.5480	95.9368	-684	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.564	-1	7.950	-1	2107	49	1.5
9677.3	10000	38.5480	95.9361	-684	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.296	-1	7.942	-1	2138	48	1.5
9677.2	10000	38.5480	95.9353	-685	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.432	-1	8.250	-1	2155	56	1.5
9677.1	10000	38.5480	95.9346	-685	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.417	-1	8.315	-1	2164	59	1.5
9677.0	10000	38.5481	95.9339	-686	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.430	-1	7.958	-1	2192	42	1.5
9676.9	10000	38.5481	95.9332	-686	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.298	-1	7.762	-1	2227	48	1.5
9676.8	10000	38.5481	95.9324	-686	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.382	-1	7.805	-1	2247	51	1.5
9676.7	10000	38.5481	95.9317	-686	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.395	-1	7.115	-1	2251	40	1.5
9676.6	10000	38.5481	95.9310	-686	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.553	-1	6.844	-1	2248	55	1.5
9676.5	10000	38.5482	95.9302	-686	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.415	-1	6.507	-1	2253	54	1.5
9676.4	10000	38.5482	95.9295	-686	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.421	-1	6.479	-1	2236	57	1.5
9676.3	10000	38.5482	95.9288	-686	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.373	-1	6.686	-1	2208	57	1.5
9676.2	10000	38.5482	95.9280	-686	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.267	-1	6.629	-1	2173	37	1.5
9676.1	10000	38.5482	95.9273	-686	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.204	-1	6.525	-1	2162	60	1.5
9676.0	10000	38.5482	95.9266	-686	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.367	-1	6.581	-1	2156	58	1.5
9675.9	10000	38.5483	95.9258	-686	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.354	-1	6.771	-1	2136	49	1.5
9675.8	10000	38.5483	95.9251	-686	PW	3.2	0	11.3	2	1.4	1	0.283	-1	2.348	-1	6.774	-1	2132	41	1.5

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9675.7	10000	38.5483	95.9244	-690	PW	3.3	1	9.4	0	1.4	1	0.346	1	2.330	0	6.742	-1	2150	53	1.4
9675.6	10000	38.5483	95.9237	-691	PW	3.2	1	9.2	-1	1.4	1	0.351	1	2.322	0	6.617	-2	2136	48	1.4
9675.5	10000	38.5483	95.9229	-691	PW	3.3	1	9.7	0	1.4	1	0.340	1	2.393	0	7.036	-1	2153	49	1.4
9675.4	10000	38.5483	95.9222	-691	PW	3.5	1	9.6	0	1.4	1	0.364	1	2.541	0	6.977	-1	2142	58	1.4
9675.3	10000	38.5483	95.9215	-691	PW	3.4	1	9.8	0	1.4	1	0.346	1	2.362	0	6.831	-1	2137	68	1.4
9675.2	10000	38.5484	95.9207	-691	PW	3.1	0	10.3	0	1.4	1	0.299	0	2.159	-1	7.230	-1	2131	53	1.4
9675.1	10000	38.5484	95.9200	-691	PW	3.0	0	10.1	0	1.4	1	0.302	0	2.166	-1	7.182	-1	2110	48	1.4
9675.0	10000	38.5484	95.9193	-690	PW	2.8	0	10.4	0	1.4	1	0.265	-1	2.006	-1	7.561	-1	2102	54	1.4
9674.9	10000	38.5484	95.9185	-689	PW	2.7	0	10.4	1	1.4	1	0.262	-1	1.976	-1	7.552	-1	2120	37	1.4
9674.8	10000	38.5484	95.9178	-690	PW	2.8	0	10.6	1	1.3	1	0.266	-1	2.137	-1	8.022	0	2107	53	1.4
9674.7	10000	38.5485	95.9171	-689	PW	2.7	0	10.8	1	1.3	0	0.253	-1	2.143	-1	8.466	0	2101	53	1.4
9674.6	10000	38.5485	95.9164	-689	PW	2.9	0	10.8	1	1.2	0	0.266	-1	2.459	0	9.251	1	2108	54	1.3
9674.5	10000	38.5485	95.9156	-688	PW	3.1	0	10.9	1	1.1	0	0.284	0	2.681	0	9.449	1	2118	43	1.3
9674.4	10000	38.5485	95.9149	-687	PW	3.1	1	11.5	2	1.1	-1	0.265	-1	2.698	0	10.190	2	2135	47	1.3
9674.3	10000	38.5485	95.9142	-687	PW	3.3	1	11.3	2	1.1	-1	0.292	0	3.008	1	10.317	2	2136	48	1.3
9674.2	10000	38.5485	95.9134	-685	PW	3.3	1	11.5	2	1.0	-1	0.286	0	3.232	2	11.319	3	2129	46	1.3
9674.1	10000	38.5486	95.9127	-684	PW	3.4	1	11.4	2	1.1	-1	0.298	0	3.171	1	10.642	2	2143	47	1.3
9674.0	10000	38.5486	95.9120	-684	PW	3.2	1	11.3	2	1.1	-1	0.285	0	2.956	1	10.355	2	2159	47	1.3
9673.9	10000	38.5486	95.9112	-683	PW	3.3	1	11.3	2	1.1	-1	0.294	0	3.021	1	10.265	2	2155	53	1.3
9673.8	10000	38.5486	95.9105	-682	PW	3.2	1	11.4	2	1.1	-1	0.280	0	2.875	1	10.260	2	2149	42	1.3
9673.7	10000	38.5486	95.9098	-680	PW	2.9	1	10.9	1	1.1	-1	0.297	0	2.877	1	9.676	2	2137	50	1.3
9673.6	10000	38.5486	95.9091	-679	PW	3.1	1	10.7	1	1.2	0	0.290	0	2.668	1	9.214	1	2141	52	1.3
9673.5	10000	38.5487	95.9083	-678	PW	3.1	1	10.7	1	1.2	0	0.287	0	2.491	1	8.678	1	2140	53	1.3
9673.4	10000	38.5487	95.9076	-677	PW	2.8	1	10.7	1	1.2	0	0.262	-1	2.276	0	8.690	1	2135	41	1.3
9673.3	10000	38.5487	95.9069	-676	PW	3.0	1	11.1	1	1.2	0	0.266	-1	2.368	0	8.899	1	2128	43	1.3
9673.2	10000	38.5487	95.9061	-675	PW	3.0	0	10.8	1	1.3	0	0.274	-1	2.353	0	8.587	0	2118	55	1.3
9673.1	10000	38.5487	95.9054	-674	PW	2.8	0	10.6	1	1.3	0	0.260	-1	2.423	0	8.349	0	2116	56	1.2
9673.0	10000	38.5487	95.9047	-672	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.290	0	8.299	0	2132	39	1.2
9672.9	10000	38.5488	95.9039	-671	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.299	0	8.299	0	2127	43	1.2
9672.8	10000	38.5488	95.9032	-670	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.291	0	8.299	0	2120	44	1.2
9672.7	10000	38.5488	95.9025	-669	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.319	0	8.299	0	2104	50	1.2
9672.6	10000	38.5488	95.9017	-668	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.315	0	8.299	0	2091	54	1.2
9672.5	10000	38.5488	95.9010	-667	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.329	0	8.299	0	2109	47	1.2
9672.4	10000	38.5488	95.9003	-667	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.310	0	8.299	0	2151	62	1.2
9672.3	10000	38.5489	95.8996	-666	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.307	0	8.299	0	2168	51	1.2
9672.2	10000	38.5489	95.8988	-665	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.323	0	8.299	0	2186	58	1.2
9672.1	10000	38.5489	95.8981	-664	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.301	0	8.299	0	2207	46	1.2
9672.0	10000	38.5489	95.8974	-665	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.290	0	8.299	0	2227	63	1.2
9671.9	10000	38.5489	95.8966	-664	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.307	0	8.299	0	2228	58	1.2
9671.8	10000	38.5490	95.8959	-665	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.338	0	8.299	0	2223	43	1.2
9671.7	10000	38.5490	95.8952	-666	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.339	0	8.299	0	2194	49	1.2
9671.6	10000	38.5490	95.8944	-667	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.336	0	8.299	0	2171	47	1.2
9671.5	10000	38.5490	95.8937	-668	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.341	0	8.299	0	2159	49	1.2
9671.4	10000	38.5490	95.8930	-670	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.347	0	8.299	0	2151	57	1.2
9671.3	10000	38.5490	95.8923	-672	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.356	0	8.299	0	2134	53	1.2
9671.2	10000	38.5490	95.8915	-674	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.365	0	8.299	0	2134	56	1.2
9671.1	10000	38.5491	95.8908	-676	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.361	0	8.299	0	2119	43	1.2
9671.0	10000	38.5491	95.8901	-678	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.357	0	8.299	0	2101	51	1.2
9670.9	10000	38.5491	95.8893	-681	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.370	0	8.299	0	2074	50	1.2
9670.8	10000	38.5491	95.8886	-685	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.387	0	8.299	0	2057	58	1.2
9670.7	10000	38.5491	95.8879	-688	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.391	0	8.299	0	2054	40	1.2
9670.6	10000	38.5491	95.8871	-691	PW	2.7	0	10.6	1	1.3	0	0.254	-1	2.391	0	8.299	0	2050	44	1.2

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9670.5	10000	38.5492	95.8864	-695	PW	3.8	2	9.8	0	1.1	-1	0.385	2	3.566	2	9.259	1	2037	51	1.1
9670.4	10000	38.5492	95.8857	-698	PW	3.8	2	9.7	0	1.1	-1	0.391	2	3.523	2	9.014	1	2033	63	1.1
9670.3	10000	38.5492	95.8849	-701	PW	3.5	1	9.8	0	1.1	-1	0.359	1	3.313	2	9.216	1	2021	48	1.1
9670.2	10000	38.5492	95.8842	-704	PW	3.5	1	10.2	0	1.1	-1	0.345	1	3.273	2	9.493	1	2039	45	1.1
9670.1	10000	38.5492	95.8835	-706	PW	3.4	1	10.1	0	1.1	-1	0.335	1	3.167	1	9.459	1	2031	47	1.1
9670.0	10000	38.5492	95.8828	-708	PW	3.2	0	10.5	1	1.1	-1	0.305	1	3.002	1	9.846	2	2017	56	1.1
9669.9	10000	38.5493	95.8820	-710	PW	3.6	1	10.3	0	1.1	-1	0.346	1	3.292	2	9.516	1	2040	63	1.1
9669.8	10000	38.5493	95.8813	-714	PW	3.7	1	10.3	0	1.1	-1	0.358	1	3.265	2	9.125	1	2059	43	1.1
9669.7	10000	38.5493	95.8806	-718	PW	3.6	1	10.7	1	1.1	-1	0.333	1	3.138	1	9.432	1	2053	56	1.1
9669.6	10000	38.5493	95.8798	-721	PW	3.4	1	10.7	1	1.2	0	0.322	1	2.947	1	9.139	1	2058	49	1.1
9669.5	10000	38.5493	95.8791	-723	PW	3.5	1	10.6	1	1.2	0	0.333	1	2.958	1	8.884	1	2064	47	1.1
9669.4	10000	38.5493	95.8784	-725	PW	3.4	1	10.9	1	1.2	0	0.314	1	2.841	1	9.039	1	2075	56	1.1
9669.3	10000	38.5494	95.8777	-727	PW	3.6	1	10.7	1	1.2	0	0.334	1	2.966	1	8.876	1	2091	40	1.1
9669.2	10000	38.5494	95.8769	-728	PW	3.3	1	10.9	1	1.2	0	0.299	1	2.752	1	9.214	1	2087	42	1.1
9669.1	10000	38.5494	95.8762	-729	PW	3.3	1	10.8	1	1.2	0	0.302	1	2.761	1	9.155	1	2087	42	1.1
9669.0	10000	38.5494	95.8755	-730	PW	3.1	0	10.4	1	1.2	0	0.294	1	2.570	0	8.738	1	2085	43	1.1
9668.9	10000	38.5494	95.8747	-731	PW	3.4	1	11.0	1	1.2	0	0.307	1	2.911	1	9.479	1	2105	48	1.1
9668.8	10000	38.5495	95.8740	-731	PW	3.2	0	10.8	1	1.2	0	0.293	1	2.730	1	9.302	1	2084	48	1.1
9668.7	10000	38.5495	95.8733	-732	PW	3.1	0	10.6	1	1.1	-1	0.295	1	2.741	1	9.297	1	2074	53	1.1
9668.6	10000	38.5495	95.8725	-732	PW	3.0	0	10.4	1	1.2	0	0.284	1	2.495	1	8.792	1	2067	33	1.1
9668.5	10000	38.5495	95.8718	-731	PW	2.7	-1	10.3	0	1.2	-1	0.262	-1	2.269	1	8.658	0	2064	60	1.1
9668.4	10000	38.5495	95.8711	-731	PW	2.7	-1	10.6	1	1.2	-1	0.254	-1	2.231	0	8.798	1	2069	57	1.1
9668.3	10000	38.5495	95.8703	-730	PW	2.9	0	11.0	1	1.2	-1	0.265	-1	2.430	1	9.157	1	2087	51	1.1
9668.2	10000	38.5495	95.8696	-728	PW	3.0	1	10.7	1	1.2	0	0.282	0	2.536	1	8.993	1	2073	39	1.1
9668.1	10000	38.5496	95.8689	-726	PW	3.1	0	10.5	1	1.2	0	0.291	0	2.594	1	8.904	1	2085	59	1.1
9668.0	10000	38.5496	95.8682	-725	PW	3.2	0	10.1	0	1.2	0	0.317	0	2.617	0	8.250	0	2110	53	1.1
9667.9	10000	38.5496	95.8674	-723	PW	3.4	1	10.5	1	1.2	0	0.325	1	2.849	1	8.763	1	2113	40	1.1
9667.8	10000	38.5496	95.8667	-721	PW	3.5	1	10.5	1	1.2	0	0.336	1	2.960	1	8.807	1	2110	47	1.1
9667.7	10000	38.5496	95.8660	-719	PW	3.2	0	10.6	1	1.2	0	0.302	0	2.675	0	8.868	1	2113	51	1.1
9667.6	10000	38.5496	95.8652	-717	PW	3.3	1	10.8	1	1.2	0	0.305	0	2.739	1	8.996	1	2105	47	1.1
9667.5	10000	38.5497	95.8645	-714	PW	3.1	0	10.9	1	1.2	0	0.282	0	2.382	0	8.453	1	2114	40	1.1
9667.4	10000	38.5497	95.8638	-712	PW	3.0	0	10.5	1	1.2	0	0.286	0	2.358	0	8.533	1	2113	48	1.1
9667.3	10000	38.5497	95.8631	-709	PW	3.3	1	10.5	1	1.2	0	0.314	0	2.407	0	8.217	1	2090	62	1.1
9667.2	10000	38.5497	95.8623	-706	PW	3.3	1	10.5	1	1.2	0	0.314	0	2.273	0	8.954	1	2097	59	1.1
9667.1	10000	38.5497	95.8616	-703	PW	3.3	1	10.6	1	1.2	0	0.311	0	2.157	0	8.551	1	2103	39	1.1
9667.0	10000	38.5498	95.8609	-700	PW	3.2	0	10.6	1	1.2	0	0.302	0	2.256	0	8.391	1	2084	46	1.1
9666.9	10000	38.5498	95.8601	-696	PW	3.2	0	10.6	1	1.2	0	0.305	0	2.253	0	8.251	1	2087	55	1.1
9666.8	10000	38.5498	95.8594	-692	PW	3.2	0	10.6	1	1.2	0	0.302	0	2.282	0	8.674	1	2074	49	1.1
9666.7	10000	38.5498	95.8587	-688	PW	3.2	0	10.6	1	1.2	0	0.302	0	2.276	0	8.454	1	2082	52	1.1
9666.6	10000	38.5498	95.8579	-684	PW	3.2	0	10.6	1	1.2	0	0.302	0	2.261	0	8.271	1	2084	57	1.1
9666.5	10000	38.5498	95.8572	-680	PW	3.2	0	10.6	1	1.2	0	0.305	0	2.254	0	8.553	1	2073	52	1.1
9666.4	10000	38.5498	95.8565	-676	PW	3.2	0	10.6	1	1.2	0	0.305	0	2.252	0	8.768	1	2052	55	1.1
9666.3	10000	38.5498	95.8558	-672	PW	3.2	0	10.6	1	1.2	0	0.302	0	2.269	0	8.934	1	2054	47	1.1
9666.2	10000	38.5498	95.8550	-668	PW	3.2	0	10.6	1	1.2	0	0.302	0	2.273	0	9.045	1	2052	42	1.1
9666.1	10000	38.5498	95.8543	-664	PW	3.2	0	10.6	1	1.2	0	0.302	0	2.254	0	8.823	1	2051	42	1.1
9666.0	10000	38.5498	95.8536	-659	PW	3.2	0	10.6	1	1.2	0	0.302	0	2.276	0	8.307	1	2031	42	1.1
9665.9	10000	38.5498	95.8529	-655	PW	3.2	0	10.6	1	1.2	0	0.302	0	2.302	0	9.976	1	2031	45	1.1
9665.8	10000	38.5498	95.8522	-651	PW	3.2	0	10.6	1	1.2	0	0.302	0	2.305	0	9.286	1	1998	64	1.1
9665.7	10000	38.5498	95.8514	-647	PW	3.2	0	10.6	1	1.2	0	0.302	0	2.347	0	9.269	1	1976	48	1.1
9665.6	10000	38.5498	95.8507	-643	PW	3.2	0	10.6	1	1.2	0	0.302	0	2.390	0	9.958	1	1927	44	1.1
9665.5	10000	38.5498	95.8500	-638	PW	3.2	0	10.6	1	1.2	0	0.302	0	2.384	0	9.126	1	1886	52	1.2
9665.4	10000	38.5498	95.8493	-635	PW	3.2	0	10.6	1	1.2	0	0.302	0	2.415	0	9.245	1	1856	50	1.2

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9665.3	10000	38.5498	95.8486	-631	PW	2.8	0	10.1	0	1.0	-2	0.273	-1	2.805	1	10.278	2	1866	47	1.2
9665.2	10000	38.5497	95.8478	-626	PW	2.9	0	9.3	-1	1.0	-2	0.311	0	2.976	1	9.579	1	1846	56	1.2
9665.1	10000	38.5497	95.8471	-623	PW	3.0	0	9.1	-1	1.0	-2	0.326	1	3.039	1	9.315	1	1850	57	1.2
9665.0	10000	38.5497	95.8464	-619	PW	3.2	0	9.2	-1	0.9	-2	0.346	1	3.342	2	9.662	2	1856	39	1.2
9664.9	10000	38.5497	95.8457	-615	PW	3.1	0	9.5	0	1.0	-2	0.329	1	3.245	2	9.874	2	1878	55	1.2
9664.8	10000	38.5497	95.8450	-611	PW	3.2	1	9.7	0	1.0	-1	0.334	1	3.263	2	9.770	2	1907	47	1.2
9664.7	10000	38.5497	95.8442	-608	PW	3.0	0	9.9	0	1.0	-1	0.306	0	2.961	1	9.689	2	1939	58	1.2
9664.6	10000	38.5497	95.8435	-605	PW	2.8	0	9.8	0	1.1	-1	0.290	0	2.665	0	9.180	1	1948	59	1.2
9664.5	10000	38.5497	95.8428	-602	PW	2.8	0	10.2	0	1.1	-1	0.276	-1	2.537	0	9.201	1	1981	46	1.2
9664.4	10000	38.5497	95.8421	-598	PW	2.7	0	10.7	1	1.1	-1	0.257	-1	2.455	0	9.566	1	2016	56	1.2
9664.3	10000	38.5497	95.8414	-595	PW	2.9	0	10.4	1	1.1	0	0.279	0	2.532	0	9.070	1	2043	34	1.2
9664.2	10000	38.5497	95.8406	-592	PW	3.2	1	10.5	1	1.2	0	0.306	0	2.726	1	8.918	1	2081	48	1.2
9664.1	10000	38.5497	95.8399	-589	PW	3.0	0	10.3	0	1.2	0	0.292	0	2.473	0	8.457	0	2084	46	1.2
9664.0	10000	38.5497	95.8392	-586	PW	3.1	0	10.3	0	1.2	0	0.306	0	2.538	0	8.290	0	2078	56	1.2
9663.9	10000	38.5497	95.8385	-583	PW	3.3	1	10.8	1	1.2	0	0.303	0	2.751	1	9.087	1	2060	42	1.2
9663.8	10000	38.5497	95.8378	-580	PW	3.2	0	10.8	1	1.2	0	0.297	0	2.687	0	9.062	1	2064	47	1.2
9663.7	10000	38.5496	95.8370	-577	PW	3.2	1	10.5	1	1.2	0	0.308	0	2.670	0	8.659	1	2048	45	1.2
9663.6	10000	38.5497	95.8363	-574	PW	3.0	0	10.5	1	1.2	0	0.287	0	2.464	0	8.596	0	2054	53	1.2
9663.5	10000	38.5496	95.8356	-571	PW	3.2	0	10.5	1	1.2	0	0.304	0	2.574	0	8.471	0	2061	59	1.3
9663.4	10000	38.5496	95.8349	-568	PW	3.2	1	10.8	1	1.3	0	0.298	0	2.558	0	8.583	0	2070	56	1.3
9663.3	10000	38.5496	95.8342	-565	PW	3.2	0	11.2	1	1.2	0	0.283	0	2.531	0	8.936	1	2082	50	1.3
9663.2	10000	38.5496	95.8334	-561	PW	3.1	0	10.9	1	1.3	0	0.281	0	2.406	0	8.553	0	2110	42	1.3
9663.1	10000	38.5496	95.8327	-558	PW	3.4	1	11.1	1	1.2	0	0.301	0	2.741	1	9.098	1	2094	50	1.3
9663.0	10000	38.5496	95.8320	-555	PW	3.3	1	11.4	2	1.2	0	0.292	0	2.737	1	9.358	1	2115	54	1.3
9662.9	10000	38.5496	95.8313	-552	PW	3.4	1	11.3	1	1.2	0	0.302	0	2.809	1	9.285	1	2102	51	1.3
9662.8	10000	38.5496	95.8306	-548	PW	3.4	1	11.4	1	1.2	0	0.298	0	2.679	1	9.490	1	2092	55	1.3
9662.7	10000	38.5496	95.8298	-545	PW	3.4	1	11.4	1	1.2	0	0.298	0	2.815	1	9.920	2	2090	47	1.3
9662.6	10000	38.5496	95.8291	-542	PW	3.4	1	11.4	1	1.2	0	0.298	0	2.802	1	9.686	2	2087	51	1.3
9662.5	10000	38.5496	95.8284	-540	PW	3.4	1	11.4	1	1.2	0	0.298	0	2.962	1	9.450	2	2069	58	1.3
9662.4	10000	38.5496	95.8277	-539	PW	3.4	1	11.4	1	1.2	0	0.298	0	2.916	1	9.043	2	2077	49	1.3
9662.3	10000	38.5496	95.8270	-537	PW	3.4	1	11.4	1	1.2	0	0.298	0	2.741	1	8.760	2	2059	51	1.3
9662.2	10000	38.5496	95.8262	-534	PW	3.4	1	11.4	1	1.2	0	0.298	0	2.791	1	8.282	2	2064	43	1.3
9662.1	10000	38.5496	95.8255	-533	PW	3.4	1	11.4	1	1.2	0	0.298	0	2.791	1	8.494	2	2056	58	1.3
9662.0	10000	38.5496	95.8248	-531	PW	3.4	1	11.4	1	1.2	0	0.298	0	2.854	1	8.121	2	2060	43	1.3
9661.9	10000	38.5495	95.8241	-530	PW	3.4	1	11.4	1	1.2	0	0.298	0	2.966	1	8.341	2	2060	43	1.3
9661.8	10000	38.5495	95.8234	-531	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.029	1	8.551	2	2056	52	1.3
9661.7	10000	38.5495	95.8226	-531	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.075	1	8.774	2	2035	46	1.3
9661.6	10000	38.5495	95.8219	-530	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.072	1	8.93	2	2011	72	1.4
9661.5	10000	38.5495	95.8212	-529	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.393	1	8.623	2	1985	44	1.4
9661.4	10000	38.5495	95.8205	-529	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.519	1	8.953	2	1970	52	1.4
9661.3	10000	38.5495	95.8198	-528	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.577	1	8.186	2	1960	50	1.4
9661.2	10000	38.5495	95.8190	-528	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.655	1	8.556	2	1962	56	1.4
9661.1	10000	38.5495	95.8183	-528	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.319	1	8.652	2	1972	54	1.4
9661.0	10000	38.5495	95.8176	-528	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.592	1	8.832	2	1990	51	1.4
9660.9	10000	38.5495	95.8169	-528	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.951	1	8.863	2	2029	47	1.4
9660.8	10000	38.5495	95.8162	-529	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.752	1	8.236	2	2055	39	1.4
9660.7	10000	38.5495	95.8154	-529	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.263	1	8.804	2	2060	55	1.4
9660.6	10000	38.5495	95.8147	-529	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.264	1	8.767	2	2068	46	1.4
9660.5	10000	38.5495	95.8140	-529	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.086	1	8.068	2	2067	54	1.4
9660.4	10000	38.5494	95.8133	-529	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.002	1	8.971	2	2060	60	1.4
9660.3	10000	38.5494	95.8126	-530	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.078	1	8.558	2	2066	47	1.4
9660.2	10000	38.5494	95.8118	-530	PW	3.4	1	11.4	1	1.2	0	0.298	0	3.320	1	8.496	2	2061	47	1.5

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9660.1	10000	38.5494	95.8111	-530	PW	2.5	-1	10.8	1	1.1	-1	0.230	-1	2.160	-1	9.409	1	2062	44	1.5
9660.0	10000	38.5494	95.8104	-530	PW	2.7	-1	10.7	1	1.2	0	0.252	-1	2.345	0	9.291	1	2070	48	1.5
9659.9	10000	38.5494	95.8097	-530	PW	2.6	-1	10.8	1	1.2	0	0.243	-1	2.238	0	9.199	1	2058	52	1.5
9659.8	10000	38.5494	95.8090	-530	PW	2.4	-1	10.7	1	1.2	0	0.223	-2	2.033	-1	9.100	1	2065	56	1.5
9659.7	10000	38.5494	95.8082	-530	PW	2.5	-1	10.9	1	1.2	0	0.227	-2	2.004	-1	8.822	1	2078	51	1.5
9659.6	10000	38.5494	95.8075	-530	PW	2.7	-1	11.0	1	1.2	0	0.245	-1	2.193	-1	8.965	1	2065	39	1.5
9659.5	10000	38.5494	95.8068	-530	PW	2.6	-1	10.5	1	1.2	0	0.248	-1	2.149	-1	8.665	1	2067	46	1.5
9659.4	10000	38.5494	95.8061	-529	PW	2.5	-1	11.0	1	1.2	0	0.224	-2	2.090	-1	9.314	1	2053	40	1.5
9659.3	10000	38.5494	95.8054	-528	PW	2.5	-1	11.0	1	1.2	0	0.223	-2	2.075	-1	9.284	1	2045	50	1.5
9659.2	10000	38.5494	95.8046	-528	PW	2.8	0	11.1	1	1.2	0	0.250	-1	2.322	0	9.292	1	2050	55	1.5
9659.1	10000	38.5494	95.8039	-527	PW	2.9	0	10.9	1	1.1	0	0.269	-1	2.556	0	9.486	1	2046	56	1.5
9659.0	10000	38.5493	95.8032	-526	PW	2.8	0	10.9	1	1.1	-1	0.256	-1	2.535	0	9.909	2	2020	49	1.5
9658.9	10000	38.5494	95.8025	-525	PW	2.5	-1	10.7	1	1.1	-1	0.234	-1	2.266	0	9.674	2	2013	54	1.5
9658.8	10000	38.5493	95.8018	-524	PW	2.7	-1	10.7	1	1.1	-1	0.254	-1	2.517	0	9.901	2	2002	40	1.5
9658.7	10000	38.5493	95.8010	-523	PW	2.9	0	10.3	1	1.1	-1	0.278	0	2.631	0	9.470	1	2009	53	1.5
9658.6	10000	38.5493	95.8003	-522	PW	2.8	0	10.3	1	1.1	-1	0.269	-1	2.495	0	9.274	1	2009	49	1.5
9658.5	10000	38.5493	95.7996	-520	PW	2.7	-1	9.9	1	1.1	-1	0.271	-1	2.449	0	9.049	1	2022	52	1.5
9658.4	10000	38.5493	95.7989	-519	PW	2.9	0	10.1	1	1.1	-1	0.291	0	2.649	0	9.114	1	2018	47	1.5
9658.3	10000	38.5493	95.7982	-516	PW	2.9	0	10.1	1	1.1	-1	0.291	0	2.722	1	9.347	1	2023	47	1.5
9658.2	10000	38.5493	95.7974	-514	PW	3.2	0	10.2	1	1.1	-1	0.317	0	2.921	1	9.228	1	2038	45	1.5
9658.1	10000	38.5493	95.7967	-514	PW	3.0	0	10.8	1	1.1	-1	0.273	-1	2.586	0	9.480	1	2050	52	1.5
9658.0	10000	38.5493	95.7960	-514	PW	3.0	0	10.8	1	1.1	-1	0.273	-1	2.597	0	9.506	1	2064	55	1.5
9657.9	10000	38.5493	95.7953	-514	PW	3.0	0	11.0	1	1.1	-1	0.275	-1	2.694	0	9.796	2	2076	58	1.5
9657.8	10000	38.5493	95.7946	-513	PW	3.2	0	11.0	1	1.1	-1	0.293	0	2.900	1	9.898	2	2077	49	1.5
9657.7	10000	38.5493	95.7938	-512	PW	3.0	0	11.0	1	1.1	-1	0.277	-1	2.754	1	9.942	2	2088	46	1.5
9657.6	10000	38.5493	95.7931	-511	PW	3.4	1	10.5	1	1.2	0	0.322	0	2.903	1	9.010	1	2112	50	1.5
9657.5	10000	38.5493	95.7924	-511	PW	3.4	1	10.5	1	1.2	0	0.325	0	2.883	1	8.879	1	2122	47	1.5
9657.4	10000	38.5492	95.7917	-510	PW	3.4	1	10.5	1	1.2	0	0.360	0	2.999	1	8.836	1	2121	55	1.5
9657.3	10000	38.5492	95.7910	-508	PW	3.4	1	10.5	1	1.2	0	0.360	0	2.821	1	8.839	1	2107	57	1.5
9657.2	10000	38.5492	95.7902	-508	PW	3.4	1	10.5	1	1.2	0	0.349	0	2.718	1	8.781	1	2106	51	1.5
9657.1	10000	38.5492	95.7895	-507	PW	3.4	1	10.5	1	1.2	0	0.322	0	2.610	1	8.094	1	2094	53	1.5
9657.0	10000	38.5492	95.7888	-506	PW	3.4	1	10.5	1	1.2	0	0.314	0	2.461	1	7.845	1	2083	46	1.5
9656.9	10000	38.5492	95.7881	-505	PW	3.4	1	10.5	1	1.2	0	0.290	0	2.343	1	8.080	1	2057	53	1.5
9656.8	10000	38.5492	95.7874	-504	PW	3.4	1	10.5	1	1.2	0	0.288	0	2.418	1	8.403	1	2023	53	1.5
9656.7	10000	38.5492	95.7866	-503	PW	3.4	1	10.5	1	1.2	0	0.275	0	2.376	1	8.645	1	2013	47	1.5
9656.6	10000	38.5492	95.7859	-502	PW	3.4	1	10.5	1	1.2	0	0.274	0	2.407	1	8.785	1	1996	48	1.5
9656.5	10000	38.5492	95.7852	-501	PW	3.4	1	10.5	1	1.2	0	0.302	0	2.638	1	8.746	1	1961	39	1.5
9656.4	10000	38.5492	95.7845	-500	PW	3.4	1	10.5	1	1.2	0	0.283	0	2.516	1	8.888	1	1933	48	1.5
9656.3	10000	38.5492	95.7838	-499	PW	3.4	1	10.5	1	1.2	0	0.302	0	2.687	1	8.884	1	1922	46	1.5
9656.2	10000	38.5492	95.7830	-498	PW	3.4	1	10.5	1	1.2	0	0.284	0	2.648	1	8.319	1	1911	55	1.5
9656.1	10000	38.5492	95.7823	-497	PW	3.4	1	10.5	1	1.2	0	0.253	0	2.310	1	8.118	1	1922	45	1.5
9656.0	10000	38.5492	95.7816	-496	PW	3.4	1	10.5	1	1.2	0	0.252	0	2.302	1	8.152	1	1925	55	1.5
9655.9	10000	38.5491	95.7809	-495	PW	3.4	1	10.5	1	1.2	0	0.259	0	2.283	1	8.821	1	1938	43	1.5
9655.8	10000	38.5491	95.7802	-494	PW	3.4	1	10.5	1	1.2	0	0.265	0	2.290	1	8.653	1	1960	33	1.5
9655.7	10000	38.5491	95.7794	-492	PW	3.4	1	10.5	1	1.2	0	0.273	0	2.302	1	8.426	1	1983	54	1.5
9655.6	10000	38.5491	95.7787	-491	PW	3.4	1	10.5	1	1.2	0	0.270	0	2.344	1	8.692	1	2000	50	1.5
9655.5	10000	38.5491	95.7780	-488	PW	3.4	1	10.5	1	1.2	0	0.272	0	2.348	1	8.628	1	2020	33	1.5
9655.4	10000	38.5491	95.7773	-489	PW	3.4	1	10.5	1	1.2	0	0.284	0	2.490	1	8.757	1	2033	36	1.5
9655.3	10000	38.5491	95.7766	-489	PW	3.4	1	10.5	1	1.2	0	0.285	0	2.518	1	8.254	1	2039	54	1.5
9655.2	10000	38.5491	95.7758	-487	PW	3.4	1	10.5	1	1.2	0	0.302	0	2.587	1	8.526	1	2050	53	1.5
9655.1	10000	38.5491	95.7751	-486	PW	3.4	1	10.5	1	1.2	0	0.316	0	2.526	1	8.361	1	2065	54	1.5
9655.0	10000	38.5491	95.7744	-484	PW	3.2	1	10.5	1	1.3	0	0.307	0	2.426	1	8.007	1	2083	37	1.5

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9654.9	10000	38.5491	95.7737	-482	PW	3.0	0	9.8	0	1.3	1	0.302	0	2.259	0	7.480	-1	2089	42	1.5
9654.8	10000	38.5491	95.7729	-481	PW	3.1	0	9.6	0	1.3	1	0.327	0	2.378	0	7.274	-1	2092	43	1.5
9654.7	10000	38.5491	95.7722	-480	PW	3.1	0	9.1	-1	1.3	1	0.338	0	2.302	0	6.802	-1	2087	39	1.5
9654.6	10000	38.5491	95.7715	-478	PW	3.2	0	9.6	0	1.3	1	0.330	0	2.388	0	7.247	-1	2090	52	1.5
9654.5	10000	38.5491	95.7708	-476	PW	3.0	0	9.6	0	1.3	1	0.310	0	2.232	0	7.209	-1	2103	48	1.5
9654.4	10000	38.5490	95.7701	-474	PW	3.0	0	9.9	0	1.3	1	0.305	0	2.336	0	7.658	-1	2106	58	1.5
9654.3	10000	38.5490	95.7693	-472	PW	3.1	0	10.4	1	1.3	1	0.300	0	2.458	0	8.197	0	2117	55	1.5
9654.2	10000	38.5490	95.7686	-471	PW	3.4	1	10.6	1	1.2	0	0.323	0	2.787	1	8.642	0	2108	62	1.5
9654.1	10000	38.5490	95.7679	-470	PW	3.5	1	10.4	1	1.2	0	0.331	1	2.772	1	8.365	0	2109	53	1.5
9654.0	10000	38.5490	95.7672	-468	PW	3.5	1	10.6	1	1.2	0	0.334	1	2.933	1	8.782	1	2117	38	1.5
9653.9	10000	38.5490	95.7665	-466	PW	3.6	1	10.5	1	1.2	0	0.346	1	3.063	1	8.864	1	2101	48	1.5
9653.8	10000	38.5490	95.7657	-465	PW	3.8	2	10.2	1	1.1	-1	0.370	1	3.393	2	9.178	1	2093	63	1.5
9653.7	10000	38.5490	95.7650	-464	PW	3.6	1	10.1	0	1.1	-1	0.361	1	3.236	2	8.973	1	2086	47	1.5
9653.6	10000	38.5490	95.7643	-462	PW	3.5	1	9.9	0	1.1	-1	0.355	1	3.201	2	9.010	1	2054	73	1.5
9653.5	10000	38.5490	95.7636	-461	PW	3.4	1	10.0	0	1.1	-1	0.336	1	3.131	1	9.326	1	2059	45	1.4
9653.4	10000	38.5490	95.7629	-460	PW	3.1	0	10.7	1	1.1	-1	0.293	0	2.966	1	10.111	2	2065	55	1.4
9653.3	10000	38.5490	95.7621	-458	PW	3.0	0	11.0	1	1.1	-1	0.270	-1	2.701	1	9.999	2	2064	52	1.4
9653.2	10000	38.5490	95.7614	-457	PW	2.7	-1	10.8	1	1.2	0	0.248	-1	2.329	0	9.397	1	2072	47	1.4
9653.1	10000	38.5490	95.7607	-456	PS	2.8	-1	11.2	1	1.2	0	0.252	-1	2.431	-1	9.653	1	2073	49	1.4
9653.0	10000	38.5490	95.7600	-455	PS	2.9	-1	11.0	1	1.2	0	0.269	-1	2.499	0	9.305	1	2063	47	1.4
9652.9	10000	38.5489	95.7593	-453	PS	2.8	-1	10.3	1	1.2	0	0.277	-1	2.413	-1	8.716	0	2056	51	1.4
9652.8	10000	38.5490	95.7585	-451	PS	2.6	-1	10.3	1	1.2	0	0.256	-1	2.187	-1	8.547	0	2058	56	1.4
9652.7	10000	38.5489	95.7578	-448	PS	2.9	-1	10.0	1	1.2	0	0.288	-1	2.380	-1	8.269	0	2058	40	1.4
9652.6	10000	38.5489	95.7571	-448	PS	3.1	0	9.8	0	1.2	0	0.313	0	2.493	0	7.958	0	2053	57	1.4
9652.5	10000	38.5489	95.7564	-448	PS	3.1	0	9.7	0	1.2	0	0.322	0	2.526	0	7.839	0	2071	55	1.4
9652.4	10000	38.5489	95.7557	-447	PS	3.0	0	9.5	0	1.2	0	0.311	0	2.507	-1	7.692	-1	2059	52	1.4
9652.3	10000	38.5489	95.7549	-445	PS	2.9	-1	9.5	0	1.2	0	0.295	-1	2.378	-1	7.471	-1	2078	46	1.4
9652.2	10000	38.5489	95.7542	-443	PS	2.9	-1	9.5	0	1.2	0	0.278	-1	2.204	-1	7.694	0	2094	59	1.4
9652.1	10000	38.5489	95.7535	-441	PS	2.9	-1	9.5	0	1.2	0	0.305	-1	2.136	-1	7.617	-1	2083	47	1.4
9652.0	10000	38.5489	95.7528	-439	PS	2.9	-1	9.5	0	1.2	0	0.291	-1	2.327	-1	7.487	-1	2071	38	1.4
9651.9	10000	38.5489	95.7521	-437	PS	2.9	-1	9.5	0	1.2	0	0.296	-1	2.178	-1	7.616	-1	2064	51	1.4
9651.8	10000	38.5489	95.7513	-433	PS	2.9	-1	9.5	0	1.2	0	0.301	-1	2.251	-1	7.796	0	2067	47	1.4
9651.7	10000	38.5489	95.7506	-429	PS	2.9	-1	9.5	0	1.2	0	0.314	-1	2.345	-1	8.031	0	2079	64	1.4
9651.6	10000	38.5489	95.7499	-430	PS	2.9	-1	9.5	0	1.2	0	0.343	-1	2.525	-1	7.787	0	2080	50	1.4
9651.5	10000	38.5489	95.7492	-429	PS	2.9	-1	9.5	0	1.2	0	0.332	-1	2.669	-1	7.740	0	2068	46	1.4
9651.4	10000	38.5489	95.7485	-426	PS	2.9	-1	9.5	0	1.2	0	0.348	-1	2.568	-1	7.472	-1	2084	38	1.4
9651.3	10000	38.5488	95.7477	-423	PS	2.9	-1	9.5	0	1.2	0	0.342	-1	2.600	-1	7.599	-1	2094	45	1.4
9651.2	10000	38.5488	95.7470	-420	PS	2.9	-1	9.5	0	1.2	0	0.315	-1	2.598	-1	7.755	0	2104	54	1.4
9651.1	10000	38.5488	95.7463	-418	PS	2.9	-1	9.5	0	1.2	0	0.314	-1	2.439	-1	7.591	-1	2087	44	1.4
9651.0	10000	38.5488	95.7456	-415	PS	2.9	-1	9.5	0	1.2	0	0.295	-1	2.385	-1	7.613	-1	2083	55	1.4
9650.9	10000	38.5488	95.7449	-412	PS	2.9	-1	9.5	0	1.2	0	0.269	-1	2.243	-1	7.566	-1	2062	47	1.4
9650.8	10000	38.5488	95.7441	-409	PS	2.9	-1	9.5	0	1.2	0	0.261	-1	2.035	-1	7.595	-1	2061	52	1.4
9650.7	10000	38.5488	95.7434	-406	PS	2.9	-1	9.5	0	1.2	0	0.213	-2	1.980	-1	7.483	-1	2037	45	1.4
9650.6	10000	38.5488	95.7427	-404	PS	2.9	-1	9.5	0	1.2	0	0.216	-2	1.592	-1	7.393	-1	2037	47	1.4
9650.5	10000	38.5488	95.7420	-401	PS	2.9	-1	9.5	0	1.2	0	0.235	-2	1.594	-1	7.627	-1	2040	48	1.4
9650.4	10000	38.5488	95.7412	-398	PS	2.9	-1	9.5	0	1.2	0	0.227	-2	1.790	-1	7.972	-1	2036	55	1.4
9650.3	10000	38.5488	95.7405	-395	PS	2.9	-1	9.5	0	1.2	0	0.245	-2	1.810	-1	7.271	0	2027	40	1.4
9650.2	10000	38.5488	95.7398	-392	PS	2.9	-1	9.5	0	1.2	0	0.264	-2	1.928	-1	7.300	0	2029	46	1.4
9650.1	10000	38.5488	95.7391	-389	PS	2.9	-1	9.5	0	1.2	0	0.293	-2	1.932	-1	6.632	0	2034	59	1.4
9650.0	10000	38.5488	95.7384	-386	PS	2.9	-1	9.5	0	1.2	0	0.259	-2	1.911	-1	6.696	0	2052	47	1.4
9649.9	10000	38.5488	95.7376	-383	PS	2.9	-1	9.5	0	1.2	0	0.354	-2	1.916	-1	6.792	0	2054	38	1.4
9649.8	10000	38.5489	95.7369	-379	PS	2.9	-1	9.5	0	1.2	0	0.345	-2	1.939	-1	6.530	0	2051	51	1.4

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9649.7	10000	38.5489	95.7362	-377	PS	3.5	1	9.8	0	1.1	0	0.354	0	3.114	1	8.798	0	2044	69	1.4
9649.6	10000	38.5489	95.7355	-373	PS	3.4	1	10.0	0	1.1	0	0.342	0	2.977	1	8.711	0	2041	64	1.4
9649.5	10000	38.5489	95.7347	-370	PS	3.5	1	10.0	0	1.1	0	0.348	0	3.063	1	8.809	0	2057	47	1.4
9649.4	10000	38.5489	95.7340	-367	PS	3.3	0	10.0	0	1.2	0	0.333	0	2.839	0	8.516	0	2075	56	1.4
9649.3	10000	38.5489	95.7333	-364	PS	3.0	0	10.3	1	1.2	0	0.288	-1	2.393	-1	8.320	0	2080	39	1.4
9649.2	10000	38.5489	95.7326	-360	PS	3.1	0	10.2	1	1.3	1	0.298	-1	2.394	-1	8.024	0	2069	51	1.4
9649.1	10000	38.5489	95.7319	-357	PS	2.8	-1	9.6	1	1.3	1	0.296	-1	2.233	-1	7.537	-1	2040	65	1.4
9649.0	10000	38.5489	95.7311	-354	PS	2.9	0	9.4	0	1.3	1	0.312	0	2.246	-1	7.206	-1	2043	48	1.4
9648.9	10000	38.5489	95.7304	-350	PS	2.9	0	9.1	0	1.3	1	0.323	0	2.229	-1	6.910	-1	2037	36	1.4
9648.8	10000	38.5489	95.7297	-347	PS	2.7	-1	9.3	0	1.3	1	0.296	-1	2.061	-1	6.969	-1	2036	49	1.4
9648.7	10000	38.5489	95.7290	-343	PS	2.7	-1	9.1	-1	1.3	1	0.303	0	2.096	-1	6.906	-1	2035	46	1.4
9648.6	10000	38.5490	95.7282	-339	PS	2.8	-1	9.6	0	1.3	1	0.291	-1	2.184	-1	7.509	-1	2046	64	1.4
9648.5	10000	38.5490	95.7275	-336	PS	2.4	-1	10.0	0	1.3	1	0.241	-2	1.913	-2	7.954	0	2058	43	1.4
9648.4	10000	38.5490	95.7268	-333	PS	2.5	-1	10.5	1	1.2	0	0.241	-2	2.057	-1	8.539	0	2084	59	1.4
9648.3	10000	38.5490	95.7261	-330	PS	2.6	-1	10.8	1	1.2	0	0.243	-1	2.124	-1	8.727	0	2104	59	1.4
9648.2	10000	38.5490	95.7254	-327	PS	2.5	-1	11.0	1	1.2	0	0.229	-2	2.092	-1	9.130	1	2124	47	1.4
9648.1	10000	38.5490	95.7246	-325	PS	2.6	-1	10.9	1	1.2	0	0.242	-2	2.187	-1	9.048	1	2121	49	1.4
9648.0	10000	38.5490	95.7239	-322	PS	2.6	-1	10.7	1	1.2	0	0.243	-2	2.151	-1	8.864	0	2115	59	1.4
9647.9	10000	38.5490	95.7232	-319	PS	2.5	-1	10.6	1	1.2	0	0.236	-2	2.098	-1	8.901	0	2103	51	1.4
9647.8	10000	38.5490	95.7225	-316	PS	2.8	-1	10.6	1	1.3	1	0.269	-1	2.341	-1	8.707	0	2119	40	1.4
9647.7	10000	38.5490	95.7217	-314	PS	3.0	0	10.7	1	1.3	1	0.281	-1	2.394	-1	8.516	0	2119	40	1.4
9647.6	10000	38.5490	95.7210	-311	PS	2.8	-1	10.2	1	1.3	1	0.270	-1	2.148	-1	7.962	0	2117	41	1.4
9647.5	10000	38.5490	95.7203	-309	PS	3.0	0	10.4	1	1.3	1	0.286	-1	2.205	-1	7.715	0	2126	45	1.4
9647.4	10000	38.5490	95.7196	-307	PS	2.8	-1	10.4	1	1.3	1	0.275	-1	2.127	-1	7.745	0	2134	54	1.4
9647.3	10000	38.5490	95.7189	-304	PS	3.0	0	10.6	1	1.4	1	0.287	-1	2.254	-1	7.856	0	2141	56	1.4
9647.2	10000	38.5490	95.7181	-303	PS	3.2	0	10.6	1	1.4	1	0.306	-1	2.335	-1	7.628	0	2153	57	1.4
9647.1	10000	38.5490	95.7174	-301	PS	3.3	0	10.6	1	1.4	1	0.314	-1	2.380	-1	7.573	0	2134	44	1.4
9647.0	10000	38.5490	95.7167	-299	PS	3.2	0	10.5	1	1.4	1	0.305	-1	2.450	-1	7.747	-1	2125	63	1.4
9646.9	10000	38.5490	95.7160	-298	PS	3.2	0	10.5	1	1.4	1	0.308	-1	2.606	-1	7.035	-1	2102	51	1.4
9646.8	10000	38.5490	95.7152	-296	PS	3.2	0	10.4	1	1.4	1	0.314	-1	2.573	-1	7.362	-1	2073	48	1.4
9646.7	10000	38.5490	95.7145	-295	PS	3.3	0	10.4	1	1.4	1	0.305	-1	2.689	-1	7.557	-1	2055	47	1.4
9646.6	10000	38.5490	95.7138	-294	PS	3.2	0	10.4	1	1.4	1	0.295	-1	2.474	-1	7.114	-1	2032	57	1.4
9646.5	10000	38.5490	95.7131	-292	PS	3.2	0	10.4	1	1.4	1	0.284	-1	2.363	-1	7.020	-1	1999	46	1.4
9646.4	10000	38.5490	95.7124	-291	PS	3.1	0	10.4	1	1.4	1	0.279	-1	2.306	-1	7.107	-1	1983	44	1.4
9646.3	10000	38.5490	95.7116	-290	PS	3.0	0	10.4	1	1.4	1	0.253	-1	2.190	-1	7.840	-1	1983	65	1.4
9646.2	10000	38.5490	95.7109	-289	PS	3.0	0	10.4	1	1.4	1	0.247	-1	2.165	-1	7.771	-1	2009	43	1.4
9646.1	10000	38.5491	95.7102	-288	PS	3.0	0	10.4	1	1.4	1	0.236	-1	2.065	-1	7.780	-1	2054	46	1.4
9646.0	10000	38.5491	95.7095	-287	PS	2.9	0	10.4	1	1.4	1	0.252	-1	2.206	-1	7.517	-1	2089	55	1.4
9645.9	10000	38.5491	95.7087	-285	PS	2.9	0	10.4	1	1.4	1	0.250	-1	2.189	-1	7.178	-1	2130	56	1.4
9645.8	10000	38.5491	95.7080	-284	PS	2.9	0	10.4	1	1.4	1	0.270	-1	2.365	-1	7.157	-1	2172	50	1.4
9645.7	10000	38.5491	95.7073	-283	PS	2.9	0	10.4	1	1.4	1	0.287	-1	2.512	-1	7.231	-1	2204	51	1.4
9645.6	10000	38.5491	95.7066	-281	PS	2.9	0	10.4	1	1.4	1	0.285	-1	2.495	-1	7.203	-1	2222	53	1.4
9645.5	10000	38.5491	95.7059	-280	PS	2.9	0	10.4	1	1.4	1	0.279	-1	2.445	-1	7.176	-1	2221	53	1.4
9645.4	10000	38.5491	95.7051	-278	PS	2.9	0	10.4	1	1.4	1	0.279	-1	2.445	-1	7.112	-1	2191	53	1.4
9645.3	10000	38.5491	95.7044	-277	PS	2.9	0	10.4	1	1.4	1	0.279	-1	2.445	-1	7.322	-1	2151	38	1.4
9645.2	10000	38.5491	95.7037	-274	PS	2.9	0	10.4	1	1.4	1	0.279	-1	2.445	-1	7.394	-1	2110	44	1.4
9645.1	10000	38.5491	95.7030	-272	PS	2.9	0	10.4	1	1.4	1	0.279	-1	2.445	-1	7.369	-1	2084	38	1.4
9645.0	10000	38.5491	95.7022	-270	PS	2.9	0	10.4	1	1.4	1	0.279	-1	2.445	-1	7.256	-1	2057	42	1.4
9644.9	10000	38.5491	95.7015	-267	PS	2.9	0	10.4	1	1.4	1	0.279	-1	2.445	-1	7.356	-1	2045	42	1.4
9644.8	10000	38.5491	95.7008	-265	PS	2.9	0	10.4	1	1.4	1	0.279	-1	2.445	-1	7.388	-1	2052	42	1.4
9644.7	10000	38.5491	95.7001	-263	PS	2.9	0	10.4	1	1.4	1	0.279	-1	2.445	-1	7.382	-1	2064	42	1.4
9644.6	10000	38.5491	95.6993	-260	PS	2.9	0	10.4	1	1.4	1	0.279	-1	2.445	-1	7.398	-1	2094	42	1.4

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9644.5	10000	38.5491	95.6986	-257	PS	3.1	0	10.6	1	1.3	1	0.289	-1	2.337	-1	8.085	0	2124	49	1.4
9644.4	10000	38.5491	95.6979	-255	PS	3.1	0	10.3	1	1.3	1	0.302	0	2.324	-1	7.704	0	2116	57	1.3
9644.3	10000	38.5491	95.6972	-253	PS	3.0	0	10.6	1	1.3	1	0.284	-1	2.226	-1	7.826	0	2125	46	1.3
9644.2	10000	38.5491	95.6965	-250	PS	2.9	0	10.2	1	1.3	1	0.285	-1	2.158	-1	7.561	-1	2112	52	1.3
9644.1	10000	38.5491	95.6957	-248	PS	3.1	0	10.1	0	1.3	1	0.303	0	2.276	-1	7.521	-1	2090	53	1.3
9644.0	10000	38.5491	95.6950	-245	PS	2.9	0	9.5	0	1.4	1	0.307	0	2.111	-1	6.869	-1	2072	52	1.3
9643.9	10000	38.5492	95.6943	-243	PS	3.0	0	9.2	0	1.4	1	0.323	0	2.185	-1	6.765	-1	2046	38	1.3
9643.8	10000	38.5491	95.6936	-241	PS	3.1	0	8.7	-1	1.3	1	0.350	0	2.351	-1	6.713	-1	2000	31	1.3
9643.7	10000	38.5492	95.6928	-239	PS	3.1	0	8.5	-1	1.3	1	0.365	1	2.425	-1	6.650	-1	1996	54	1.3
9643.6	10000	38.5492	95.6921	-238	PS	3.1	0	8.4	-1	1.2	1	0.372	1	2.516	0	6.770	-1	1985	46	1.3
9643.5	10000	38.5492	95.6914	-237	PS	3.3	0	8.4	-1	1.2	1	0.388	1	2.633	0	6.794	-1	1998	58	1.3
9643.4	10000	38.5492	95.6907	-236	PS	3.1	0	8.6	-1	1.3	1	0.361	1	2.449	0	6.779	-1	2028	43	1.3
9643.3	10000	38.5492	95.6900	-235	PS	3.2	0	9.0	-1	1.3	1	0.352	0	2.507	0	7.123	-1	2056	56	1.3
9643.2	10000	38.5492	95.6892	-235	PS	3.3	0	9.0	-1	1.3	1	0.363	0	2.549	0	7.028	-1	2087	49	1.3
9643.1	10000	38.5492	95.6885	-234	PS	3.2	0	9.6	0	1.3	1	0.330	0	2.368	-1	7.165	-1	2130	43	1.3
9643.0	10000	38.5492	95.6878	-233	PS	2.9	0	9.8	0	1.3	1	0.299	-1	2.185	-1	7.318	-1	2148	64	1.3
9642.9	10000	38.5492	95.6871	-233	PS	3.1	0	10.0	1	1.4	1	0.309	0	2.261	-1	7.318	-1	2171	54	1.3
9642.8	10000	38.5492	95.6863	-232	PS	3.1	0	10.2	1	1.4	1	0.299	-1	2.190	-1	7.336	-1	2173	48	1.3
9642.7	10000	38.5492	95.6856	-231	PS	2.9	0	10.4	1	1.3	1	0.283	-1	2.190	-1	7.729	0	2140	46	1.3
9642.6	10000	38.5492	95.6849	-231	PS	2.7	-1	10.0	1	1.3	1	0.269	-1	2.011	-1	7.470	-1	2093	45	1.3
9642.5	10000	38.5492	95.6842	-232	PS	2.6	-1	9.9	0	1.3	1	0.259	-1	1.892	-2	7.312	-1	2065	38	1.3
9642.4	10000	38.5492	95.6835	-231	PS	2.5	-1	9.2	0	1.3	1	0.270	-1	1.885	-2	6.970	-1	2026	43	1.3
9642.3	10000	38.5492	95.6827	-231	PS	2.6	-1	9.1	-1	1.3	1	0.288	-1	1.975	-1	6.865	-1	2011	46	1.3
9642.2	10000	38.5492	95.6820	-231	PS	2.7	-1	8.7	-1	1.3	1	0.307	0	2.054	-1	6.690	-1	1987	44	1.3
9642.1	10000	38.5492	95.6813	-231	PS	2.7	-1	8.4	-1	1.3	1	0.317	0	2.130	-1	6.726	-1	1967	66	1.3
9642.0	10000	38.5492	95.6806	-230	PS	2.7	-1	7.7	-2	1.3	1	0.356	1	2.170	-1	6.094	-2	1954	50	1.3
9641.9	10000	38.5492	95.6798	-229	PS	2.8	-1	8.1	-1	1.3	1	0.343	0	2.167	-1	6.324	-2	1958	48	1.3
9641.8	10000	38.5492	95.6791	-229	PS	2.6	-1	8.5	-1	1.3	1	0.301	0	2.030	-1	6.744	-1	1961	44	1.3
9641.7	10000	38.5492	95.6784	-229	PS	2.8	-1	8.8	-1	1.3	1	0.318	0	2.198	-1	6.913	-1	1979	45	1.3
9641.6	10000	38.5492	95.6777	-227	PS	2.8	-1	9.0	-1	1.3	1	0.314	0	2.241	-1	7.142	-1	1973	41	1.3
9641.5	10000	38.5493	95.6770	-226	PS	2.8	-1	9.2	-1	1.3	1	0.290	0	2.114	-1	7.277	-1	1969	48	1.3
9641.4	10000	38.5493	95.6762	-225	PS	2.8	-1	9.3	-1	1.3	1	0.286	0	2.055	-1	7.179	-1	1974	51	1.3
9641.3	10000	38.5493	95.6755	-224	PS	2.8	-1	9.5	-1	1.3	1	0.291	0	2.160	-1	7.421	-1	2012	55	1.3
9641.2	10000	38.5493	95.6748	-222	PS	2.8	-1	9.6	-1	1.3	1	0.316	0	2.362	-1	7.481	-1	2041	56	1.3
9641.1	10000	38.5493	95.6741	-221	PS	2.8	-1	9.8	-1	1.3	1	0.287	0	2.488	-1	7.577	-1	2058	35	1.3
9641.0	10000	38.5493	95.6733	-220	PS	2.8	-1	9.9	-1	1.3	1	0.295	0	2.265	-1	7.882	-1	2083	41	1.3
9640.9	10000	38.5493	95.6726	-218	PS	2.8	-1	10.0	-1	1.3	1	0.316	0	2.340	-1	7.933	-1	2098	46	1.3
9640.8	10000	38.5493	95.6719	-216	PS	2.8	-1	10.2	-1	1.3	1	0.308	0	2.546	-1	8.046	-1	2113	44	1.3
9640.7	10000	38.5493	95.6712	-214	PS	2.8	-1	10.4	-1	1.3	1	0.311	0	2.471	-1	8.022	-1	2121	69	1.3
9640.6	10000	38.5493	95.6705	-212	PS	2.8	-1	10.5	-1	1.3	1	0.314	0	2.550	-1	8.020	-1	2104	56	1.3
9640.5	10000	38.5493	95.6697	-210	PS	2.8	-1	10.7	-1	1.3	1	0.366	0	2.661	0	8.479	-1	2085	49	1.3
9640.4	10000	38.5493	95.6690	-208	PS	2.8	-1	10.8	-1	1.3	1	0.385	0	2.866	0	8.835	-1	2054	35	1.3
9640.3	10000	38.5493	95.6683	-206	PS	2.8	-1	10.9	-1	1.3	1	0.367	0	2.733	0	8.625	-1	2022	43	1.3
9640.2	10000	38.5493	95.6676	-204	PS	2.8	-1	11.0	-1	1.3	1	0.355	0	2.680	0	8.470	-1	2013	43	1.3
9640.1	10000	38.5493	95.6668	-202	PS	2.8	-1	11.1	-1	1.3	1	0.342	0	2.647	0	8.482	-1	2002	50	1.3
9640.0	10000	38.5493	95.6661	-200	PS	2.8	-1	11.2	-1	1.3	1	0.330	0	2.573	0	8.542	-1	2009	45	1.3
9639.9	10000	38.5493	95.6654	-198	PS	2.8	-1	11.3	-1	1.3	1	0.320	0	2.507	0	8.681	-1	2012	45	1.3
9639.8	10000	38.5493	95.6647	-195	PS	2.8	-1	11.4	-1	1.3	1	0.306	0	2.392	0	8.789	-1	2032	56	1.3
9639.7	10000	38.5493	95.6640	-193	PS	2.8	-1	11.5	-1	1.3	1	0.292	0	2.287	0	8.902	-1	2062	43	1.3
9639.6	10000	38.5493	95.6632	-191	PS	2.8	-1	11.6	-1	1.3	1	0.280	0	2.183	0	9.013	-1	2087	43	1.3
9639.5	10000	38.5493	95.6625	-189	PS	2.8	-1	11.7	-1	1.3	1	0.268	0	2.101	0	9.136	-1	2101	43	1.3
9639.4	10000	38.5493	95.6618	-187	PS	2.8	-1	11.8	-1	1.3	1	0.257	0	2.022	0	9.251	-1	2122	43	1.3

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9639.3	10000	38.5493	95.6611	-185	PS	3.1	0	11.2	1	1.1	0	0.274	-1	2.695	0	9.839	1	2123	56	1.3
9639.2	10000	38.5493	95.6603	-183	PS	3.2	0	11.2	1	1.2	0	0.283	-1	2.702	0	9.558	1	2144	52	1.3
9639.1	10000	38.5494	95.6596	-181	PS	3.3	0	11.1	1	1.2	0	0.300	0	2.721	0	9.081	1	2137	51	1.3
9639.0	10000	38.5494	95.6589	-180	PS	3.2	0	11.3	1	1.3	1	0.286	-1	2.514	0	8.784	0	2152	52	1.3
9638.9	10000	38.5494	95.6582	-178	PS	3.2	0	10.9	1	1.3	1	0.297	-1	2.401	-1	8.097	0	2147	54	1.3
9638.8	10000	38.5494	95.6574	-177	PS	3.1	0	10.7	1	1.4	1	0.288	-1	2.275	-1	7.907	0	2134	44	1.3
9638.7	10000	38.5494	95.6567	-176	PS	3.3	0	10.4	1	1.4	1	0.316	0	2.368	-1	7.495	-1	2139	47	1.3
9638.6	10000	38.5494	95.6560	-174	PS	3.4	1	10.1	0	1.4	1	0.337	0	2.384	-1	7.066	-1	2141	57	1.3
9638.5	10000	38.5494	95.6553	-173	PS	3.3	0	10.6	1	1.5	2	0.310	0	2.241	-1	7.224	-1	2159	49	1.3
9638.4	10000	38.5494	95.6546	-172	PS	3.1	0	10.4	1	1.5	2	0.299	-1	2.096	-1	7.007	-1	2177	38	1.3
9638.3	10000	38.5494	95.6538	-171	PS	2.9	-1	10.2	0	1.5	2	0.283	-1	1.949	-1	6.880	-1	2175	51	1.3
9638.2	10000	38.5494	95.6531	-170	PS	3.2	0	10.3	1	1.5	2	0.308	0	2.126	-1	6.912	-1	2184	55	1.3
9638.1	10000	38.5494	95.6524	-169	PS	3.3	0	10.3	1	1.5	2	0.326	0	2.249	-1	6.894	-1	2194	56	1.3
9638.0	10000	38.5494	95.6517	-168	PS	3.5	1	10.2	1	1.5	2	0.344	0	2.388	-1	6.933	-1	2189	52	1.3
9637.9	10000	38.5494	95.6509	-167	PS	3.5	1	10.4	1	1.4	1	0.337	0	2.438	-1	7.232	-1	2175	53	1.3
9637.8	10000	38.5494	95.6502	-166	PS	3.7	1	9.8	0	1.5	1	0.377	1	2.551	0	6.774	-1	2135	39	1.3
9637.7	10000	38.5494	95.6495	-164	PS	3.8	1	9.5	0	1.4	1	0.400	1	2.686	0	6.719	-1	2107	60	1.3
9637.6	10000	38.5494	95.6488	-163	PS	4.1	2	9.7	0	1.4	1	0.427	2	2.945	0	6.890	-1	2106	45	1.3
9637.5	10000	38.5494	95.6481	-162	PS	4.0	2	9.6	0	1.4	1	0.413	2	2.862	0	6.934	-1	2083	45	1.3
9637.4	10000	38.5494	95.6473	-162	PS	3.7	1	9.5	0	1.4	1	0.400	1	2.744	0	6.861	-1	2054	49	1.3
9637.3	10000	38.5494	95.6466	-162	PS	3.7	1	9.5	0	1.3	1	0.391	1	2.790	0	7.138	-1	2049	55	1.3
9637.2	10000	38.5494	95.6459	-160	PS	3.3	0	9.7	0	1.3	1	0.346	0	2.492	0	7.195	-1	2047	57	1.3
9637.1	10000	38.5494	95.6452	-160	PS	3.2	0	10.0	0	1.3	1	0.315	0	2.405	-1	7.628	-1	2050	42	1.3
9637.0	10000	38.5494	95.6444	-159	PS	3.3	0	10.1	0	1.3	1	0.327	0	2.564	0	7.838	0	2068	54	1.3
9636.9	10000	38.5494	95.6437	-158	PS	3.0	0	10.0	0	1.3	0	0.295	-1	2.353	-1	7.969	0	2052	43	1.3
9636.8	10000	38.5494	95.6430	-157	PS	3.1	0	10.2	0	1.3	0	0.278	-1	2.256	-1	8.123	0	2043	56	1.3
9636.7	10000	38.5494	95.6423	-156	PS	3.3	0	10.4	0	1.3	0	0.295	-1	2.484	-1	8.414	0	2044	41	1.3
9636.6	10000	38.5494	95.6416	-155	PS	3.2	0	10.5	0	1.3	0	0.264	-1	2.234	-1	8.468	0	2018	59	1.3
9636.5	10000	38.5495	95.6408	-154	PS	3.3	0	10.4	0	1.3	0	0.295	-1	2.426	-1	8.217	0	1996	44	1.3
9636.4	10000	38.5494	95.6401	-154	PS	3.4	0	10.5	0	1.3	0	0.323	0	2.419	-1	7.497	-1	2003	55	1.3
9636.3	10000	38.5495	95.6394	-153	PS	3.3	0	10.5	0	1.3	0	0.309	0	2.278	-1	7.365	-1	1982	53	1.3
9636.2	10000	38.5495	95.6387	-153	PS	3.3	0	10.5	0	1.3	0	0.321	0	2.386	-1	7.442	-1	1981	67	1.3
9636.1	10000	38.5495	95.6379	-152	PS	3.4	0	10.5	0	1.3	0	0.344	0	2.688	-1	7.813	-1	1993	43	1.3
9636.0	10000	38.5495	95.6372	-151	PS	3.4	0	10.5	0	1.3	0	0.335	0	2.643	-1	7.892	-1	1999	51	1.3
9635.9	10000	38.5495	95.6365	-151	PS	3.4	0	10.5	0	1.3	0	0.372	0	2.830	-1	7.598	-1	2025	54	1.3
9635.8	10000	38.5495	95.6358	-151	PS	3.4	0	10.5	0	1.3	0	0.362	0	2.741	-1	7.584	-1	2035	44	1.3
9635.7	10000	38.5495	95.6351	-150	PS	3.4	0	10.5	0	1.3	0	0.335	0	2.758	-1	8.224	-1	2033	51	1.3
9635.6	10000	38.5495	95.6343	-150	PS	3.4	0	10.5	0	1.3	0	0.329	0	2.782	-1	8.449	-1	2068	52	1.3
9635.5	10000	38.5495	95.6336	-149	PS	3.4	0	10.5	0	1.3	0	0.316	0	2.656	-1	8.394	-1	2082	46	1.3
9635.4	10000	38.5495	95.6329	-149	PS	3.4	0	10.5	0	1.3	0	0.276	0	2.213	-1	8.006	-1	2066	53	1.3
9635.3	10000	38.5495	95.6322	-149	PS	3.4	0	10.5	0	1.3	0	0.276	0	2.161	-1	7.821	-1	2059	42	1.3
9635.2	10000	38.5495	95.6314	-149	PS	3.4	0	10.5	0	1.3	0	0.245	0	1.960	-1	7.991	-1	2035	53	1.3
9635.1	10000	38.5495	95.6307	-149	PS	3.4	0	10.5	0	1.3	0	0.224	0	1.792	-2	8.012	-1	2043	59	1.3
9635.0	10000	38.5495	95.6300	-149	PS	3.4	0	10.5	0	1.3	0	0.196	0	1.592	-2	8.107	-1	2052	52	1.3
9634.9	10000	38.5495	95.6293	-148	PS	3.4	0	10.5	0	1.3	0	0.195	0	1.551	-2	7.969	-1	2051	55	1.3
9634.8	10000	38.5495	95.6285	-149	PS	3.4	0	10.5	0	1.3	0	0.211	0	1.688	-2	7.871	-1	2044	59	1.3
9634.7	10000	38.5495	95.6278	-150	PS	3.4	0	10.5	0	1.3	0	0.233	0	1.517	-2	7.569	-1	2068	44	1.3
9634.6	10000	38.5495	95.6271	-151	PS	3.4	0	10.5	0	1.3	0	0.269	0	1.588	-2	7.520	-1	2083	55	1.3
9634.5	10000	38.5495	95.6264	-151	PS	3.4	0	10.5	0	1.3	0	0.299	0	1.650	-2	7.523	-1	2107	44	1.3
9634.4	10000	38.5495	95.6257	-151	PS	3.4	0	10.5	0	1.3	0	0.299	0	1.840	-2	7.788	-1	2113	51	1.3
9634.3	10000	38.5495	95.6249	-152	PS	3.4	0	10.5	0	1.3	0	0.299	0	1.126	-1	7.810	-1	2113	54	1.3
9634.2	10000	38.5495	95.6242	-153	PS	3.4	0	10.5	0	1.3	0	0.299	0	2.300	-1	7.836	-1	2101	44	1.3
														2.342	-1				38	1.3

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9634.1	10000	38.5495	95.6235	-153	PS	3.1	0	9.9	0	1.3	1	0.318	0	2.365	-1	7.443	-1	2112	49	1.3
9634.0	10000	38.5495	95.6228	-153	PS	3.3	0	10.1	0	1.3	1	0.330	0	2.561	0	7.748	0	2111	45	1.3
9633.9	10000	38.5495	95.6220	-154	PS	3.4	1	10.1	0	1.3	1	0.336	0	2.553	0	7.601	-1	2111	44	1.3
9633.8	10000	38.5496	95.6213	-154	PS	3.3	0	9.8	0	1.3	1	0.336	0	2.443	0	7.262	-1	2100	42	1.3
9633.7	10000	38.5496	95.6206	-154	PS	3.3	0	9.7	0	1.3	1	0.336	0	2.419	-1	7.199	-1	2095	49	1.3
9633.6	10000	38.5496	95.6199	-154	PS	3.2	0	9.7	0	1.3	1	0.328	0	2.379	-1	7.248	-1	2089	55	1.3
9633.5	10000	38.5496	95.6192	-154	PS	3.2	0	9.6	0	1.3	1	0.330	0	2.451	0	7.417	-1	2077	48	1.3
9633.4	10000	38.5495	95.6184	-154	PS	3.2	0	10.0	0	1.3	1	0.323	0	2.482	0	7.680	0	2066	33	1.3
9633.3	10000	38.5495	95.6176	-154	PS	3.0	0	10.1	0	1.2	0	0.300	0	2.433	-1	8.103	0	2059	61	1.3
9633.2	10000	38.5495	95.6168	-154	PS	2.9	-1	10.2	0	1.2	0	0.282	-1	2.411	-1	8.556	0	2053	55	1.3
9633.1	10000	38.5495	95.6161	-153	PS	3.1	0	10.3	1	1.2	0	0.297	-1	2.560	0	8.612	0	2057	42	1.3
9633.0	10000	38.5495	95.6153	-153	PS	2.9	0	10.3	1	1.2	0	0.280	-1	2.357	-1	8.404	0	2053	44	1.3
9632.9	10000	38.5495	95.6145	-153	PS	3.3	0	10.1	0	1.3	0	0.323	0	2.602	0	8.065	0	2041	48	1.3
9632.8	10000	38.5495	95.6137	-152	PS	3.1	0	10.1	0	1.3	0	0.311	0	2.479	0	7.970	0	2056	43	1.3
9632.7	10000	38.5495	95.6130	-152	PS	3.2	0	10.1	0	1.2	0	0.318	0	2.596	0	8.161	0	2067	50	1.3
9632.6	10000	38.5495	95.6122	-151	PS	3.3	0	10.1	0	1.2	0	0.331	0	2.652	0	8.025	0	2062	63	1.3
9632.5	10000	38.5495	95.6114	-150	PS	3.3	0	10.3	1	1.2	0	0.325	0	2.704	0	8.311	0	2070	40	1.3
9632.4	10000	38.5494	95.6106	-150	PS	3.0	0	10.2	1	1.2	0	0.298	-1	2.495	0	8.377	0	2066	65	1.3
9632.3	10000	38.5494	95.6098	-149	PS	3.2	0	10.2	1	1.2	0	0.311	0	2.736	0	8.797	0	2066	51	1.3
9632.2	10000	38.5494	95.6091	-149	PS	3.0	0	10.4	1	1.1	0	0.292	-1	2.782	0	9.542	1	2070	57	1.3
9632.1	10000	38.5494	95.6083	-148	PS	2.9	-1	10.6	1	1.1	0	0.285	-1	2.759	0	9.670	1	2057	44	1.3
9632.0	10000	38.5494	95.6075	-148	PS	2.8	-1	10.3	1	1.1	0	0.271	-1	2.508	0	9.242	1	2036	45	1.3
9631.9	10000	38.5494	95.6068	-148	PS	2.9	-1	10.2	0	1.2	0	0.287	-1	2.488	0	8.674	0	2028	42	1.3
9631.8	10000	38.5494	95.6060	-148	PS	2.8	-1	9.8	0	1.2	0	0.282	-1	2.351	-1	8.351	0	2006	49	1.3
9631.7	10000	38.5493	95.6052	-148	PS	2.9	-1	9.7	0	1.2	0	0.296	-1	2.378	-1	8.025	0	1987	49	1.3
9631.6	10000	38.5493	95.6044	-148	PS	3.0	-1	9.4	0	1.2	0	0.309	0	2.345	-1	7.595	-1	1962	69	1.3
9631.5	10000	38.5493	95.6037	-148	PS	2.8	-1	9.2	0	1.3	0	0.305	0	2.216	-1	7.262	-1	1965	50	1.3
9631.4	10000	38.5493	95.6029	-149	PS	2.7	-1	9.0	-1	1.3	1	0.304	0	2.118	-1	6.967	-1	1956	36	1.3
9631.3	10000	38.5493	95.6021	-150	PS	2.8	-1	9.3	0	1.3	1	0.302	0	2.176	-1	7.199	-1	1959	49	1.3
9631.2	10000	38.5493	95.6013	-150	PS	2.7	-1	9.4	1	1.3	1	0.284	-1	2.076	-1	7.314	-1	1958	57	1.4
9631.1	10000	38.5493	95.6006	-151	PS	2.8	-1	9.7	1	1.3	1	0.284	-1	2.056	-1	7.323	-1	1993	42	1.4
9631.0	10000	38.5493	95.5998	-152	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.046	-1	7.517	-1	2003	53	1.4
9630.9	10000	38.5493	95.5990	-153	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.127	0	7.762	0	2023	54	1.4
9630.8	10000	38.5492	95.5982	-155	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	1.947	0	7.777	0	2038	40	1.4
9630.7	10000	38.5492	95.5975	-157	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.024	-1	7.775	0	2059	41	1.4
9630.6	10000	38.5492	95.5967	-159	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	1.958	-1	7.526	-1	2067	49	1.4
9630.5	10000	38.5492	95.5959	-161	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	1.983	-1	7.671	-1	2070	52	1.4
9630.4	10000	38.5492	95.5951	-163	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.017	-1	7.728	-1	2056	54	1.4
9630.3	10000	38.5492	95.5943	-166	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.067	-1	7.897	-1	2064	42	1.4
9630.2	10000	38.5492	95.5936	-169	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.271	-1	8.108	-1	2065	34	1.4
9630.1	10000	38.5492	95.5928	-171	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.350	-1	8.355	-1	2043	54	1.4
9630.0	10000	38.5491	95.5920	-174	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.521	-1	8.576	-1	2031	56	1.4
9629.9	10000	38.5491	95.5912	-177	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.657	-1	8.894	-1	2037	48	1.4
9629.8	10000	38.5491	95.5905	-179	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.695	-1	8.231	-1	2054	41	1.4
9629.7	10000	38.5491	95.5897	-182	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.630	-1	8.249	-1	2060	44	1.4
9629.6	10000	38.5491	95.5889	-185	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.724	-1	8.224	-1	2070	68	1.4
9629.5	10000	38.5491	95.5882	-189	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.639	-1	8.026	-1	2060	52	1.4
9629.4	10000	38.5491	95.5874	-192	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.907	-1	8.308	-1	2088	49	1.4
9629.3	10000	38.5491	95.5866	-194	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.847	-1	8.663	-1	2095	50	1.4
9629.2	10000	38.5490	95.5858	-198	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.813	-1	8.610	-1	2096	45	1.4
9629.1	10000	38.5490	95.5851	-201	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.836	-1	8.279	-1	2080	50	1.4
9629.0	10000	38.5490	95.5843	-204	PS	2.8	-1	9.6	1	1.3	1	0.294	-1	2.836	-1	8.279	-1	2080	50	1.4

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9628.9	10000	38.5490	95.5835	-208	PS	3.4	1	10.5	1	1.2	0	0.327	0	2.869	0	8.787	0	2088	52	1.4
9628.8	10000	38.5490	95.5827	-212	PS	3.5	1	10.3	1	1.2	0	0.340	0	2.936	0	8.646	0	2126	40	1.4
9628.7	10000	38.5490	95.5820	-215	PS	3.6	1	10.4	1	1.2	0	0.347	0	2.941	0	8.472	0	2149	49	1.4
9628.6	10000	38.5490	95.5812	-219	PS	3.9	2	10.0	1	1.3	1	0.391	1	3.065	1	7.842	0	2166	47	1.4
9628.5	10000	38.5490	95.5804	-224	PS	3.9	2	10.0	1	1.2	0	0.392	1	3.300	1	8.430	0	2173	44	1.4
9628.4	10000	38.5490	95.5796	-228	PS	3.8	1	10.6	1	1.2	0	0.362	1	3.076	1	8.497	0	2185	51	1.4
9628.3	10000	38.5489	95.5788	-232	PS	3.6	1	10.8	1	1.3	1	0.336	1	2.772	0	8.256	0	2209	47	1.4
9628.2	10000	38.5489	95.5781	-237	PS	3.4	1	11.2	1	1.4	1	0.308	0	2.507	0	8.148	0	2203	45	1.4
9628.1	10000	38.5489	95.5773	-242	PS	3.4	1	11.0	1	1.4	1	0.308	1	2.359	-1	7.659	-1	2186	34	1.4
9628.0	10000	38.5489	95.5765	-247	PS	3.3	1	10.5	1	1.4	1	0.335	1	2.479	0	7.412	-1	2176	55	1.4
9627.9	10000	38.5489	95.5757	-251	PS	3.3	1	10.2	1	1.4	1	0.326	1	2.368	-1	7.258	-1	2162	59	1.4
9627.8	10000	38.5489	95.5750	-256	PS	3.3	1	10.1	2	1.5	2	0.324	1	2.222	-1	6.859	-1	2161	52	1.4
9627.7	10000	38.5489	95.5742	-261	PS	3.3	1	9.7	1	1.4	1	0.338	1	2.294	-1	6.785	-1	2164	34	1.4
9627.6	10000	38.5489	95.5734	-266	PS	3.3	1	9.7	1	1.4	1	0.361	1	2.347	-1	6.506	-1	2155	50	1.4
9627.5	10000	38.5488	95.5726	-271	PS	3.7	1	8.8	1	1.3	1	0.421	1	2.731	0	6.485	-1	2149	39	1.4
9627.4	10000	38.5488	95.5719	-276	PS	3.8	1	8.8	1	1.3	1	0.466	1	2.960	1	6.350	-2	2127	45	1.4
9627.3	10000	38.5488	95.5711	-282	PS	3.5	1	8.8	1	1.2	1	0.431	1	2.954	1	6.851	-1	2076	41	1.4
9627.2	10000	38.5488	95.5703	-287	PS	3.5	1	8.8	1	1.1	0	0.433	1	3.098	1	7.162	-1	2036	48	1.3
9627.1	10000	38.5488	95.5695	-291	PS	3.4	1	8.8	1	1.1	0	0.418	1	3.189	1	7.627	-1	1988	37	1.3
9627.0	10000	38.5488	95.5688	-296	PS	3.4	1	8.8	1	1.0	0	0.433	1	3.278	1	7.571	-1	1923	41	1.3
9626.9	10000	38.5488	95.5680	-302	PS	3.3	1	8.8	1	1.0	0	0.425	1	3.379	1	7.957	0	1880	41	1.3
9626.8	10000	38.5488	95.5672	-307	PS	3.3	1	8.9	1	1.0	0	0.421	1	3.357	1	7.981	0	1848	48	1.3
9626.7	10000	38.5488	95.5665	-312	PS	3.3	1	8.9	1	1.0	0	0.405	1	3.335	1	8.233	0	1847	41	1.3
9626.6	10000	38.5487	95.5657	-317	PS	3.3	1	8.9	1	1.1	0	0.427	1	3.231	1	7.576	-1	1870	49	1.3
9626.5	10000	38.5487	95.5649	-321	PS	3.4	2	8.9	1	1.1	1	0.435	1	3.174	1	7.289	-1	1894	53	1.3
9626.4	10000	38.5487	95.5641	-326	PS	3.4	2	8.9	1	1.1	0	0.473	2	3.541	2	7.492	-1	1931	39	1.3
9626.3	10000	38.5487	95.5633	-331	PS	3.4	2	8.9	1	1.1	1	0.496	2	3.831	2	7.718	0	2005	47	1.3
9626.2	10000	38.5487	95.5626	-335	PS	3.4	2	8.9	1	1.1	1	0.487	2	3.699	2	7.588	0	2048	53	1.3
9626.1	10000	38.5487	95.5618	-340	PS	3.4	2	8.9	1	1.1	1	0.450	2	3.535	2	7.854	0	2083	36	1.3
9626.0	10000	38.5487	95.5610	-344	PS	3.4	2	8.9	1	1.1	1	0.416	2	3.321	2	8.025	0	2069	54	1.3
9625.9	10000	38.5487	95.5602	-349	PS	3.4	2	8.9	1	1.1	1	0.411	2	3.353	2	8.084	0	2037	52	1.3
9625.8	10000	38.5486	95.5595	-354	PS	3.4	2	8.9	1	1.1	1	0.412	2	3.927	2	8.145	0	1994	43	1.3
9625.7	10000	38.5486	95.5587	-358	PS	3.4	2	8.9	1	1.1	1	0.372	2	3.678	2	7.865	-1	1942	49	1.3
9625.6	10000	38.5486	95.5579	-362	PS	3.4	2	8.9	1	1.1	1	0.340	2	3.668	2	7.888	-1	1886	48	1.3
9625.5	10000	38.5486	95.5571	-366	PS	3.4	2	8.9	1	1.1	1	0.361	2	3.660	2	7.393	-1	1830	65	1.3
9625.4	10000	38.5486	95.5564	-370	PS	3.4	2	8.9	1	1.1	1	0.374	2	3.688	2	7.112	-1	1777	46	1.3
9625.3	10000	38.5486	95.5556	-374	PS	3.4	2	8.9	1	1.1	1	0.388	2	3.730	2	7.338	-1	1764	40	1.3
9625.2	10000	38.5486	95.5548	-378	PS	3.4	2	8.9	1	1.1	1	0.346	2	3.846	2	7.892	-1	1771	59	1.3
9625.1	10000	38.5486	95.5540	-381	PD	3.4	2	8.9	1	1.1	1	0.335	2	3.733	2	7.887	-1	1799	58	1.3
9625.0	10000	38.5485	95.5533	-385	PD	3.4	2	8.9	1	1.1	1	0.353	2	3.753	2	7.888	-1	1835	43	1.3
9624.9	10000	38.5485	95.5525	-389	PD	3.4	2	8.9	1	1.1	1	0.378	2	3.788	2	7.614	-1	1835	46	1.3
9624.8	10000	38.5485	95.5517	-392	PD	3.4	2	8.9	1	1.1	1	0.409	2	3.816	2	7.454	-1	1866	48	1.3
9624.7	10000	38.5485	95.5509	-396	PD	3.4	2	8.9	1	1.1	1	0.416	2	3.809	2	7.568	-1	1880	59	1.3
9624.6	10000	38.5485	95.5502	-400	PD	3.4	2	8.9	1	1.1	1	0.450	2	3.852	2	7.175	-1	1893	49	1.3
9624.5	10000	38.5485	95.5494	-403	PD	3.4	2	8.9	1	1.1	1	0.474	2	3.822	2	7.018	-1	1882	50	1.3
9624.4	10000	38.5485	95.5486	-407	PD	3.4	2	8.9	1	1.1	1	0.502	2	3.822	2	7.101	-1	1857	43	1.3
9624.3	10000	38.5485	95.5478	-411	PD	3.4	2	8.9	1	1.1	1	0.547	2	3.822	2	6.962	-1	1818	51	1.3
9624.2	10000	38.5484	95.5471	-416	PD	3.4	2	8.9	1	1.1	1	0.508	2	3.822	2	7.200	-1	1808	52	1.3
9624.1	10000	38.5484	95.5463	-419	QAL	3.4	2	8.9	1	1.1	1	0.495	2	3.822	2	7.210	-1	1784	46	1.3
9624.0	10000	38.5484	95.5455	-423	QAL	3.4	2	8.9	1	1.1	1	0.477	2	3.822	2	7.088	-1	1782	48	1.3
9623.9	10000	38.5484	95.5447	-427	QAL	3.4	2	8.9	1	1.1	1	0.477	2	3.822	2	7.088	-1	1767	61	1.3
9623.8	10000	38.5484	95.5440	-430	QAL	3.2	2	8.7	1	1.1	1	0.477	2	3.822	2	7.088	-1	1787	53	1.3

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9623.7	10000	38.5484	95.5432	-432	QAL	3.1	0	7.1	-2	1.2	0	0.445	2	2.692	0	6.055	-1	1828	55	1.1
9623.6	10000	38.5484	95.5424	-436	QAL	3.3	0	7.9	-1	1.2	0	0.413	1	2.681	0	6.490	-1	1880	54	1.1
9623.5	10000	38.5484	95.5416	-440	QAL	3.1	0	8.5	-1	1.3	0	0.369	0	2.377	0	6.439	-1	1925	29	1.1
9623.4	10000	38.5483	95.5409	-445	QAL	3.3	0	8.9	0	1.4	0	0.369	0	2.405	0	6.519	-1	1966	64	1.1
9623.3	10000	38.5483	95.5401	-449	QAL	3.1	0	9.1	0	1.4	1	0.337	0	2.123	-1	6.308	-1	2014	44	1.1
9623.2	10000	38.5483	95.5393	-453	QAL	3.2	0	9.9	1	1.5	1	0.328	0	2.101	-1	6.404	-1	2084	35	1.1
9623.1	10000	38.5483	95.5385	-456	QAL	3.3	1	10.2	1	1.6	1	0.327	0	2.104	-1	6.431	-1	2135	45	1.1
9623.0	10000	38.5483	95.5378	-459	QAL	3.2	0	10.3	1	1.7	2	0.314	0	1.960	-1	6.237	-1	2157	53	1.1
9622.9	10000	38.5483	95.5370	-461	QAL	3.0	0	10.1	1	1.7	2	0.299	-1	1.816	-1	6.066	-1	2155	48	1.1
9622.8	10000	38.5483	95.5362	-464	QAL	3.1	0	9.8	0	1.6	1	0.317	0	1.960	-1	6.185	-1	2151	55	1.1
9622.7	10000	38.5483	95.5354	-465	QAL	3.0	0	9.9	1	1.6	1	0.301	-1	1.888	-1	6.278	-1	2150	46	1.1
9622.6	10000	38.5482	95.5347	-466	QAL	3.0	0	10.2	1	1.6	1	0.294	-1	1.865	-1	6.334	-1	2154	41	1.1
9622.5	10000	38.5482	95.5339	-468	QAL	2.8	0	10.2	1	1.6	1	0.279	-1	1.737	-1	6.232	-1	2133	55	1.1
9622.4	10000	38.5482	95.5331	-469	QAL	2.5	-1	10.4	1	1.6	1	0.240	-1	1.557	-1	6.500	-1	2113	53	1.0
9622.3	10000	38.5482	95.5323	-469	QAL	2.6	-1	10.6	1	1.6	1	0.245	-1	1.656	-1	6.768	-1	2105	31	1.0
9622.2	10000	38.5482	95.5316	-471	QAL	2.8	0	10.4	1	1.5	1	0.272	-1	1.819	-1	6.682	-1	2097	60	1.0
9622.1	10000	38.5482	95.5308	-471	QAL	2.7	-1	10.7	1	1.6	1	0.249	-1	1.663	-1	6.682	-1	2086	44	1.0
9622.0	10000	38.5482	95.5300	-472	QAL	2.8	-1	10.4	1	1.6	1	0.267	-1	1.716	-1	6.422	-1	2071	40	1.0
9621.9	10000	38.5482	95.5292	-472	QAL	3.0	0	9.7	0	1.5	1	0.307	0	1.950	-1	6.342	-1	2042	66	1.0
9621.8	10000	38.5481	95.5285	-474	QAL	3.0	0	9.4	0	1.5	1	0.323	0	1.987	-1	6.144	-1	2019	36	1.0
9621.7	10000	38.5481	95.5277	-475	QAL	3.2	0	8.7	0	1.5	1	0.363	0	2.129	-1	5.865	-1	1994	49	1.0
9621.6	10000	38.5481	95.5269	-475	QAL	3.1	-1	8.6	-1	1.5	1	0.361	0	2.083	-1	5.774	-1	1960	42	1.0
9621.5	10000	38.5481	95.5261	-476	PD	3.1	-1	8.9	-1	1.5	2	0.354	0	2.144	-1	6.052	-2	1953	35	1.0
9621.4	10000	38.5481	95.5254	-477	PD	3.2	-1	8.4	-1	1.4	2	0.385	1	2.252	-1	5.855	-2	1946	39	1.0
9621.3	10000	38.5481	95.5246	-477	PD	3.3	-1	8.4	-1	1.4	2	0.389	1	2.327	-1	5.989	-2	1917	42	1.0
9621.2	10000	38.5481	95.5238	-479	PD	3.4	0	8.6	-1	1.3	1	0.386	1	2.521	-1	6.531	-2	1886	41	1.0
9621.1	10000	38.5481	95.5230	-479	PD	3.5	0	8.8	-1	1.3	2	0.404	1	2.785	-1	6.894	-1	1883	61	1.0
9621.0	10000	38.5481	95.5223	-481	PD	3.3	0	8.8	-1	1.3	2	0.428	1	2.833	-2	6.613	-2	1878	39	1.0
9620.9	10000	38.5480	95.5215	-482	PD	3.2	1	8.8	-1	1.3	2	0.432	1	2.905	-2	6.726	-2	1888	48	1.0
9620.8	10000	38.5480	95.5207	-483	PD	3.1	1	8.8	-1	1.3	2	0.430	1	2.889	-2	6.719	-2	1879	39	1.0
9620.7	10000	38.5480	95.5199	-485	PS	3.1	1	8.7	-1	1.3	2	0.453	1	3.094	-1	6.822	-1	1887	41	1.0
9620.6	10000	38.5480	95.5192	-487	PS	3.2	1	8.6	-1	1.3	2	0.482	1	3.291	-1	6.821	-1	1927	44	1.0
9620.5	10000	38.5480	95.5184	-489	PS	3.2	1	8.6	-1	1.3	2	0.478	1	2.945	-2	6.156	-2	1964	50	1.0
9620.4	10000	38.5480	95.5176	-491	PS	3.2	1	8.6	-1	1.3	2	0.471	1	2.992	-2	6.354	-2	1997	44	1.0
9620.3	10000	38.5480	95.5168	-493	PS	3.2	1	8.6	-1	1.3	2	0.447	1	3.022	-1	6.764	-1	2037	62	1.0
9620.2	10000	38.5480	95.5161	-496	PS	3.2	1	8.6	-1	1.3	2	0.460	1	3.120	-1	6.784	-1	2060	59	1.0
9620.1	10000	38.5479	95.5153	-498	PS	3.2	1	8.6	-1	1.3	2	0.469	1	3.173	-1	6.768	-1	2082	49	1.0
9620.0	10000	38.5479	95.5145	-501	PS	3.2	1	8.6	-1	1.3	2	0.432	1	3.096	-1	7.164	-1	2064	48	1.0
9619.9	10000	38.5479	95.5137	-504	PS	3.2	1	8.6	-1	1.3	2	0.395	1	3.002	-1	7.605	-1	2006	51	1.0
9619.8	10000	38.5479	95.5130	-507	PS	3.2	1	8.6	-1	1.3	2	0.426	1	3.339	0	7.841	0	1931	57	1.0
9619.7	10000	38.5479	95.5122	-510	PS	3.2	1	8.6	-1	1.3	2	0.451	1	3.383	-1	7.506	-1	1855	54	1.0
9619.6	10000	38.5479	95.5114	-513	PS	3.2	1	8.6	-1	1.3	2	0.483	1	3.613	-1	7.475	-1	1793	49	1.0
9619.5	10000	38.5479	95.5106	-515	PS	3.2	1	8.6	-1	1.3	2	0.518	1	3.801	-1	7.344	-1	1769	52	1.0
9619.4	10000	38.5479	95.5099	-518	PS	3.2	1	8.6	-1	1.3	2	0.502	1	3.596	-1	7.161	-1	1756	45	1.0
9619.3	10000	38.5478	95.5091	-521	PS	3.2	1	8.6	-1	1.3	2	0.533	1	3.612	-1	7.782	-1	1785	52	1.0
9619.2	10000	38.5478	95.5083	-522	PS	3.2	1	8.6	-1	1.3	2	0.533	1	3.533	-1	6.818	-1	1845	55	1.0
9619.1	10000	38.5478	95.5075	-525	PS	3.2	1	8.6	-1	1.3	2	0.465	1	3.423	-1	7.362	-1	1929	51	1.0
9619.0	10000	38.5478	95.5068	-527	PS	3.2	1	8.6	-1	1.3	2	0.456	1	3.367	-1	7.383	-1	1991	52	1.0
9618.9	10000	38.5478	95.5060	-529	PS	3.2	1	8.6	-1	1.3	2	0.431	1	3.238	-1	7.519	-1	2027	46	1.0
9618.8	10000	38.5478	95.5052	-531	PS	3.2	1	8.6	-1	1.3	2	0.405	1	3.124	-1	7.707	-1	2031	45	1.0
9618.7	10000	38.5478	95.5044	-532	PS	3.2	1	8.6	-1	1.3	2	0.405	1	3.296	-1	8.141	-1	2046	54	1.0
9618.6	10000	38.5478	95.5037	-534	PS	3.8	1	10.1	0	1.2	1	0.370	1	3.179	0	8.588	0	2023	54	1.0

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9618.5	10000	38.5477	95.5029	-534	PS	3.6	1	9.4	0	1.2	0	0.384	1	3.011	1	7.837	0	2006	62	1.1
9618.4	10000	38.5477	95.5022	-535	PS	3.6	1	9.1	-1	1.2	0	0.392	1	3.006	1	7.660	-1	1997	47	1.1
9618.3	10000	38.5477	95.5014	-537	PS	3.5	1	9.2	0	1.1	0	0.381	1	3.099	1	8.135	0	1980	47	1.1
9618.2	10000	38.5477	95.5007	-537	PS	3.5	1	8.8	-1	1.1	0	0.402	1	3.195	1	7.940	0	1976	58	1.1
9618.1	10000	38.5477	95.5000	-538	PS	3.4	1	8.9	-1	1.1	0	0.387	1	3.120	1	8.069	0	1987	47	1.1
9618.0	10000	38.5477	95.4992	-539	PS	3.2	0	9.1	0	1.1	-1	0.353	0	3.012	1	8.540	0	1994	64	1.1
9617.9	10000	38.5477	95.4985	-539	PS	3.4	0	9.7	0	1.1	-1	0.351	0	3.257	1	9.271	1	2026	53	1.1
9617.8	10000	38.5477	95.4978	-539	PS	3.4	0	10.5	1	1.0	-1	0.322	0	3.261	1	10.130	1	2028	55	1.1
9617.7	10000	38.5477	95.4971	-540	PS	3.5	0	10.2	0	1.0	-1	0.340	0	3.323	1	9.772	1	2041	59	1.1
9617.6	10000	38.5477	95.4963	-540	PS	3.2	0	10.2	0	1.1	-1	0.316	0	3.014	1	9.546	1	2057	46	1.1
9617.5	10000	38.5477	95.4956	-541	PD	3.1	0	10.4	1	1.1	0	0.296	-1	2.729	0	9.207	0	2066	45	1.1
9617.4	10000	38.5477	95.4949	-541	PD	3.1	0	10.7	1	1.2	0	0.287	-1	2.599	-1	9.059	0	2082	51	1.1
9617.3	10000	38.5477	95.4941	-540	PD	3.1	0	10.7	1	1.2	1	0.290	-1	2.546	-1	8.785	0	2076	42	1.1
9617.2	10000	38.5477	95.4934	-541	PD	3.0	0	10.1	0	1.3	1	0.300	-1	2.374	-1	7.911	-1	2065	46	1.1
9617.1	10000	38.5477	95.4927	-541	PD	2.9	0	9.5	0	1.3	1	0.334	0	2.451	-1	7.337	-1	2082	46	1.1
9617.0	10000	38.5477	95.4920	-541	PD	2.8	-1	9.6	0	1.3	1	0.294	-1	2.154	-1	7.339	-1	2064	50	1.1
9616.9	10000	38.5477	95.4912	-541	PD	2.8	-1	9.5	0	1.3	1	0.292	-1	2.109	-1	7.212	-1	2050	49	1.1
9616.8	10000	38.5477	95.4905	-541	PD	2.7	-1	9.2	0	1.3	1	0.297	-1	2.150	-1	7.249	-1	2015	51	1.1
9616.7	10000	38.5477	95.4898	-540	PD	2.6	-1	8.7	-1	1.2	1	0.300	-1	2.093	-1	6.968	-1	1965	48	1.1
9616.6	10000	38.5477	95.4890	-540	PD	2.5	-1	7.6	-2	1.2	1	0.333	0	2.069	-1	6.218	-2	1931	42	1.1
9616.5	10000	38.5477	95.4883	-539	PD	2.5	-1	7.5	-2	1.2	1	0.328	0	2.042	-2	6.217	-2	1890	47	1.1
9616.4	10000	38.5477	95.4876	-539	PD	2.3	-2	7.4	-2	1.2	0	0.308	0	1.944	-2	6.318	-2	1850	55	1.1
9616.3	10000	38.5477	95.4869	-538	PD	2.4	-2	7.6	-2	1.1	0	0.321	0	2.136	-1	6.657	-2	1825	44	1.1
9616.2	10000	38.5477	95.4861	-538	PD	2.4	-2	7.4	-2	1.1	0	0.330	0	2.235	-1	6.769	-2	1801	45	1.1
9616.1	10000	38.5477	95.4854	-537	PD	2.5	-2	7.5	-2	1.1	0	0.332	0	2.234	-1	6.729	-2	1786	47	1.1
9616.0	10000	38.5477	95.4847	-536	PS	2.6	-1	7.6	-2	1.1	-1	0.346	0	2.445	0	7.074	-1	1782	55	1.1
9615.9	10000	38.5477	95.4839	-535	PS	2.6	-1	7.7	-2	1.1	-1	0.337	0	2.372	0	7.449	-1	1783	44	1.1
9615.8	10000	38.5477	95.4832	-534	PS	2.6	-1	7.8	-2	1.1	-1	0.338	0	2.388	0	7.553	-1	1800	50	1.1
9615.7	10000	38.5477	95.4825	-533	PS	2.6	-1	7.8	-2	1.1	-1	0.331	0	2.353	0	7.874	-1	1815	52	1.1
9615.6	10000	38.5477	95.4818	-532	PS	2.6	-1	7.9	-2	1.1	-1	0.336	0	2.360	0	7.903	-1	1817	54	1.1
9615.5	10000	38.5477	95.4810	-531	PS	2.6	-1	7.8	-2	1.1	-1	0.337	0	2.378	0	7.768	-1	1822	56	1.1
9615.4	10000	38.5477	95.4803	-530	PS	2.6	-1	7.8	-2	1.1	-1	0.338	0	2.383	0	7.171	-1	1840	63	1.1
9615.3	10000	38.5477	95.4796	-528	PS	2.6	-1	7.8	-2	1.1	-1	0.334	0	2.341	0	7.290	-1	1856	47	1.1
9615.2	10000	38.5477	95.4789	-528	PS	2.6	-1	7.8	-2	1.1	-1	0.331	0	2.319	0	7.515	-1	1871	36	1.1
9615.1	10000	38.5477	95.4781	-526	PS	2.6	-1	7.8	-2	1.1	-1	0.336	0	2.356	0	7.807	-1	1895	46	1.1
9615.0	10000	38.5477	95.4774	-525	PS	2.6	-1	7.8	-2	1.1	-1	0.344	0	2.412	0	7.261	-1	1915	54	1.1
9614.9	10000	38.5477	95.4767	-524	PS	2.6	-1	7.8	-2	1.1	-1	0.340	0	2.406	0	7.797	-1	1956	60	1.1
9614.8	10000	38.5477	95.4759	-523	PS	2.6	-1	7.8	-2	1.1	-1	0.341	0	2.414	0	7.770	-1	2011	54	1.1
9614.7	10000	38.5477	95.4752	-521	PS	2.6	-1	7.8	-2	1.1	-1	0.339	0	2.419	0	7.113	-1	2062	53	1.1
9614.6	10000	38.5477	95.4745	-520	PS	2.6	-1	7.8	-2	1.1	-1	0.339	0	2.457	0	6.700	-1	2112	51	1.1
9614.5	10000	38.5477	95.4738	-518	PS	2.6	-1	7.8	-2	1.1	-1	0.339	0	2.451	0	6.864	-1	2163	47	1.1
9614.4	10000	38.5477	95.4730	-516	PS	2.6	-1	7.8	-2	1.1	-1	0.339	0	2.379	0	6.433	-1	2186	63	1.1
9614.3	10000	38.5477	95.4723	-514	PS	2.6	-1	7.8	-2	1.1	-1	0.339	0	2.364	0	6.815	-1	2202	46	1.1
9614.2	10000	38.5477	95.4716	-512	PS	2.6	-1	7.8	-2	1.1	-1	0.339	0	2.329	0	7.311	-1	2206	52	1.1
9614.1	10000	38.5477	95.4708	-511	PS	2.6	-1	7.8	-2	1.1	-1	0.339	0	2.314	0	7.343	-1	2180	54	1.1
9614.0	10000	38.5477	95.4701	-508	PS	2.6	-1	7.8	-2	1.1	-1	0.339	0	2.309	0	7.949	-1	2164	56	1.1
9613.9	10000	38.5477	95.4694	-504	PS	2.6	-1	7.8	-2	1.1	-1	0.339	0	2.321	0	7.405	-1	2132	63	1.1
9613.8	10000	38.5477	95.4687	-504	PS	2.6	-1	7.8	-2	1.1	-1	0.339	0	2.325	0	7.118	-1	2109	53	1.1
9613.7	10000	38.5477	95.4679	-504	PS	2.6	-1	7.8	-2	1.1	-1	0.339	0	2.325	0	7.339	-1	2095	51	1.1
9613.6	10000	38.5477	95.4672	-502	PS	2.6	-1	7.8	-2	1.1	-1	0.339	0	2.325	0	7.316	-1	2100	47	1.1
9613.5	10000	38.5477	95.4662	-500	PS	2.6	-1	7.8	-2	1.1	-1	0.339	0	2.325	0	7.679	-1	2089	54	1.1
9613.4	10000	38.5477	95.4657	-498	PS	2.6	-1	7.8	-2	1.1	-1	0.339	0	2.325	0	7.958	-1	2088	47	1.1

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9613.3	10000	38.5477	95.4650	-495	PS	3.4	1	10.1	0	1.3	0	0.342	0	2.742	0	8.025	0	2093	66	1.0
9613.2	10000	38.5477	95.4643	-493	PS	3.5	1	10.1	0	1.2	0	0.348	0	2.851	0	8.195	0	2089	55	1.0
9613.1	10000	38.5477	95.4636	-491	PS	3.4	1	10.3	1	1.2	0	0.333	0	2.822	0	8.472	0	2074	63	1.0
9613.0	10000	38.5477	95.4628	-488	PS	3.0	0	10.8	1	1.3	0	0.283	-1	2.426	-1	8.577	0	2066	56	1.0
9612.9	10000	38.5477	95.4621	-486	PS	2.8	-1	11.0	1	1.3	0	0.254	-1	2.199	-1	8.672	0	2054	52	1.0
9612.8	10000	38.5477	95.4614	-484	PS	2.8	-1	11.4	2	1.2	0	0.245	-1	2.242	-1	9.153	1	2051	52	1.0
9612.7	10000	38.5477	95.4606	-481	PS	3.0	0	11.1	1	1.2	0	0.269	-1	2.417	-1	8.995	1	2043	48	1.0
9612.6	10000	38.5477	95.4599	-479	PS	3.0	0	10.8	1	1.2	0	0.278	-1	2.559	0	9.196	1	2024	44	1.0
9612.5	10000	38.5476	95.4592	-476	PS	3.0	0	10.8	1	1.2	0	0.278	-1	2.479	0	8.903	0	2016	54	1.0
9612.4	10000	38.5476	95.4585	-474	PS	3.1	0	10.6	1	1.2	0	0.289	-1	2.476	0	8.559	0	2015	58	1.0
9612.3	10000	38.5477	95.4577	-471	PS	3.1	0	10.2	1	1.2	0	0.307	0	2.614	0	8.517	0	2000	51	1.0
9612.2	10000	38.5476	95.4570	-469	PS	3.3	0	9.9	1	1.2	0	0.338	0	2.853	0	8.440	0	1978	46	1.0
9612.1	10000	38.5476	95.4563	-466	PS	3.0	0	9.8	0	1.2	0	0.309	0	2.534	0	8.209	0	1984	66	1.0
9612.0	10000	38.5476	95.4556	-463	PS	3.1	0	9.9	0	1.2	0	0.310	0	2.550	0	8.223	0	2008	59	1.0
9611.9	10000	38.5476	95.4548	-462	PS	3.1	0	9.8	0	1.2	0	0.319	0	2.549	0	7.991	0	2017	61	1.0
9611.8	10000	38.5476	95.4541	-458	PS	3.3	0	9.8	0	1.2	0	0.334	0	2.669	0	7.993	0	2040	49	1.0
9611.7	10000	38.5476	95.4534	-455	PS	3.2	0	9.5	0	1.3	0	0.335	0	2.538	0	7.577	-1	2034	52	1.0
9611.6	10000	38.5476	95.4526	-453	PS	3.1	0	9.4	0	1.3	0	0.330	0	2.460	0	7.447	-1	2020	48	1.0
9611.5	10000	38.5476	95.4519	-449	PS	3.0	0	9.3	0	1.2	0	0.318	0	2.382	-1	7.489	-1	2012	42	1.0
9611.4	10000	38.5476	95.4512	-446	PS	3.3	0	9.7	0	1.2	0	0.339	0	2.791	0	8.237	0	1984	47	1.0
9611.3	10000	38.5476	95.4505	-442	PS	3.3	0	9.5	0	1.1	0	0.346	0	2.880	0	8.330	0	1969	56	1.0
9611.2	10000	38.5476	95.4497	-438	PS	3.2	0	9.6	0	1.1	0	0.330	0	2.780	0	8.413	0	1974	44	1.0
9611.1	10000	38.5476	95.4490	-435	PS	3.0	0	9.8	0	1.2	0	0.310	0	2.607	0	8.414	0	1980	51	1.0
9611.0	10000	38.5476	95.4483	-432	PS	3.0	0	10.3	1	1.2	0	0.286	-1	2.508	0	8.764	0	2007	43	1.0
9610.9	10000	38.5476	95.4475	-428	PS	3.1	0	10.6	1	1.2	0	0.294	-1	2.597	0	8.843	0	2038	63	1.0
9610.8	10000	38.5476	95.4468	-424	PS	3.2	0	10.8	1	1.2	0	0.294	-1	2.551	0	8.685	0	2071	49	1.0
9610.7	10000	38.5476	95.4461	-421	PS	3.1	0	10.7	1	1.3	1	0.293	-1	2.381	-1	8.135	0	2108	59	1.0
9610.6	10000	38.5476	95.4454	-415	PS	3.3	0	10.4	1	1.4	1	0.318	0	2.434	-1	7.646	-1	2123	48	1.0
9610.5	10000	38.5476	95.4446	-410	PS	3.5	1	10.0	1	1.4	1	0.354	0	2.614	0	7.380	-1	2128	51	1.0
9610.4	10000	38.5476	95.4439	-406	PS	3.8	1	9.8	1	1.4	1	0.389	1	2.773	0	7.121	-1	2125	47	1.0
9610.3	10000	38.5476	95.4432	-401	PS	3.8	1	9.8	1	1.4	1	0.389	1	2.838	0	6.898	-1	2136	42	1.0
9610.2	10000	38.5476	95.4425	-396	PS	3.8	1	9.8	1	1.4	1	0.389	1	2.825	0	7.215	-1	2147	49	1.0
9610.1	10000	38.5476	95.4417	-390	PS	3.8	1	9.8	1	1.4	1	0.389	1	2.837	0	7.066	-1	2149	48	1.0
9610.0	10000	38.5476	95.4410	-384	PS	3.8	1	9.8	1	1.4	1	0.389	1	2.462	0	6.889	-1	2142	55	1.0
9609.9	10000	38.5476	95.4403	-378	PP	3.8	1	9.8	1	1.4	1	0.389	1	2.166	0	7.179	-1	2125	59	1.0
9609.8	10000	38.5476	95.4395	-372	PP	3.8	1	9.8	1	1.4	1	0.389	1	1.944	0	7.110	-1	2123	46	1.0
9609.7	10000	38.5476	95.4388	-365	PP	3.8	1	9.8	1	1.4	1	0.389	1	1.831	0	6.910	-1	2099	50	1.0
9609.6	10000	38.5476	95.4381	-358	PP	3.8	1	9.8	1	1.4	1	0.389	1	1.974	0	7.098	-1	2068	44	1.0
9609.5	10000	38.5476	95.4373	-351	PP	3.8	1	9.8	1	1.4	1	0.389	1	1.683	0	6.830	-1	2039	43	1.0
9609.4	10000	38.5476	95.4366	-343	PP	3.8	1	9.8	1	1.4	1	0.389	1	1.464	0	6.955	-1	2019	52	1.0
9609.3	10000	38.5476	95.4359	-336	PP	3.8	1	9.8	1	1.4	1	0.389	1	1.178	0	6.855	-2	2012	57	1.0
9609.2	10000	38.5476	95.4352	-328	PP	3.8	1	9.8	1	1.4	1	0.389	1	1.152	0	6.778	-1	1999	45	1.0
9609.1	10000	38.5476	95.4344	-320	PP	3.8	1	9.8	1	1.4	1	0.389	1	1.138	0	6.855	-1	1990	52	1.0
9609.0	10000	38.5476	95.4337	-312	PP	3.8	1	9.8	1	1.4	1	0.389	1	1.089	0	7.085	-1	1978	53	1.0
9608.9	10000	38.5476	95.4330	-304	PP	3.8	1	9.8	1	1.4	1	0.389	1	1.134	0	7.338	-1	1965	52	1.0
9608.8	10000	38.5476	95.4323	-295	PP	3.8	1	9.8	1	1.4	1	0.389	1	1.282	0	7.348	-1	1962	56	1.0
9608.7	10000	38.5476	95.4315	-285	PP	3.8	1	9.8	1	1.4	1	0.389	1	1.402	0	7.361	-1	1948	42	1.0
9608.6	10000	38.5476	95.4308	-278	PP	3.8	1	9.8	1	1.4	1	0.389	1	1.606	0	7.725	-1	1920	52	1.0
9608.5	10000	38.5476	95.4301	-273	PP	3.8	1	9.8	1	1.4	1	0.389	1	1.685	0	7.783	-1	1914	55	1.0
9608.4	10000	38.5476	95.4294	-267	PP	3.8	1	9.8	1	1.4	1	0.389	1	1.963	0	7.796	-1	1916	51	1.0
9608.3	10000	38.5476	95.4286	-261	PP	3.8	1	9.8	1	1.4	1	0.389	1	1.938	0	8.446	-1	1932	64	1.0
9608.2	10000	38.5476	95.4279	-255	PP	3.4	1	9.7	1	1.4	1	0.355	1	2.352	0	8.566	0	1946	63	1.0

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9608.1	10000	38.5476	95.4272	-249	PD	3.4	0	9.9	0	1.1	0	0.343	0	3.109	0	9.065	0	1939	50	1.1
9608.0	10000	38.5476	95.4264	-244	PD	3.2	0	10.2	0	1.1	0	0.319	0	2.922	0	9.162	0	1957	31	1.1
9607.9	10000	38.5476	95.4257	-240	PD	3.2	0	10.2	0	1.1	0	0.310	0	2.923	0	9.434	0	1962	50	1.1
9607.8	10000	38.5476	95.4250	-235	PD	3.2	0	10.5	1	1.1	0	0.303	-1	2.986	0	9.847	1	1958	51	1.1
9607.7	10000	38.5476	95.4243	-232	PD	3.1	0	10.3	1	1.0	0	0.304	-1	3.073	0	10.105	1	1921	32	1.2
9607.6	10000	38.5476	95.4235	-229	PD	3.1	0	9.7	0	1.0	0	0.315	0	2.946	0	9.349	0	1921	48	1.2
9607.5	10000	38.5476	95.4228	-225	PD	3.2	0	9.6	0	1.1	0	0.328	0	3.004	0	9.148	0	1938	46	1.2
9607.4	10000	38.5476	95.4221	-223	PD	3.1	0	9.1	0	1.1	0	0.343	0	2.816	0	8.211	-1	1953	50	1.2
9607.3	10000	38.5476	95.4213	-220	PD	3.1	0	9.2	0	1.1	0	0.340	0	2.767	0	8.128	-1	1941	55	1.2
9607.2	10000	38.5476	95.4206	-218	PD	3.3	0	9.1	0	1.1	0	0.362	1	2.882	0	7.961	-1	1952	65	1.2
9607.1	10000	38.5475	95.4199	-216	PD	3.2	0	9.1	0	1.1	0	0.358	0	2.815	0	7.860	-1	1957	43	1.2
9607.0	10000	38.5476	95.4192	-215	PD	3.4	0	8.7	-1	1.2	1	0.393	1	2.812	0	7.151	-1	1964	43	1.2
9606.9	10000	38.5475	95.4184	-214	PS	3.2	0	8.9	-1	1.2	0	0.360	1	2.661	0	7.389	-1	1949	44	1.2
9606.8	10000	38.5475	95.4177	-213	PS	2.9	-1	8.8	-1	1.2	0	0.325	1	2.457	0	7.561	-1	1915	40	1.3
9606.7	10000	38.5475	95.4170	-211	PS	2.8	-1	9.1	-1	1.1	0	0.307	0	2.439	-1	7.946	0	1888	48	1.3
9606.6	10000	38.5475	95.4162	-209	PS	2.9	0	8.7	-1	1.1	0	0.333	0	2.587	0	7.762	0	1902	52	1.3
9606.5	10000	38.5475	95.4155	-208	PS	3.0	1	8.5	-1	1.1	0	0.348	0	2.625	0	7.537	-1	1914	58	1.3
9606.4	10000	38.5475	95.4148	-206	PS	3.0	0	8.5	-1	1.1	0	0.362	1	2.691	0	7.443	-1	1931	54	1.3
9606.3	10000	38.5475	95.4141	-205	PS	3.0	0	8.5	-1	1.1	-1	0.346	0	2.768	0	7.996	0	1937	53	1.3
9606.2	10000	38.5475	95.4133	-203	PS	3.0	0	8.6	-1	1.1	-1	0.354	0	2.929	1	8.276	0	1930	55	1.3
9606.1	10000	38.5475	95.4126	-202	PS	3.0	0	8.5	-1	1.1	-1	0.374	1	3.009	1	8.052	0	1919	43	1.3
9606.0	10000	38.5475	95.4119	-200	PS	3.0	0	8.6	-1	1.1	-1	0.382	1	3.203	1	8.381	0	1936	58	1.3
9605.9	10000	38.5475	95.4111	-199	PS	3.0	0	8.9	-1	1.1	-1	0.375	1	3.294	1	8.791	0	1912	51	1.3
9605.8	10000	38.5475	95.4104	-197	PS	3.0	0	9.2	-1	1.1	-1	0.362	1	3.239	1	8.947	1	1897	61	1.3
9605.7	10000	38.5475	95.4097	-196	PS	3.0	0	9.3	-1	1.1	-1	0.355	1	3.184	1	8.964	1	1887	51	1.4
9605.6	10000	38.5475	95.4090	-194	PS	3.0	0	9.3	-1	1.1	0	0.368	1	3.105	1	8.444	0	1892	46	1.4
9605.5	10000	38.5475	95.4082	-192	PS	3.0	0	9.2	-1	1.1	0	0.377	1	3.012	1	7.995	0	1917	45	1.4
9605.4	10000	38.5475	95.4075	-190	PS	3.0	0	9.1	-1	1.2	1	0.385	1	3.036	1	7.890	0	1952	47	1.4
9605.3	10000	38.5475	95.4068	-188	PS	3.0	0	9.1	-1	1.2	1	0.385	1	2.956	1	7.685	0	1969	46	1.4
9605.2	10000	38.5475	95.4061	-187	PS	3.0	0	9.1	-1	1.2	1	0.370	1	2.742	1	7.409	-1	2008	43	1.4
9605.1	10000	38.5475	95.4053	-186	PS	3.0	0	9.2	-1	1.2	1	0.377	1	2.701	1	7.163	-1	2051	49	1.4
9605.0	10000	38.5475	95.4046	-186	PS	3.0	0	9.2	-1	1.2	1	0.362	1	2.544	1	7.027	-1	2087	48	1.4
9604.9	10000	38.5475	95.4039	-185	PS	3.0	0	9.2	-1	1.2	1	0.359	1	2.620	1	7.298	-1	2134	51	1.4
9604.8	10000	38.5475	95.4031	-184	PS	3.0	0	9.2	-1	1.2	1	0.392	1	2.865	1	7.302	-1	2162	43	1.4
9604.7	10000	38.5475	95.4024	-184	PS	3.0	0	9.2	-1	1.2	1	0.408	1	3.070	1	7.531	-1	2199	60	1.4
9604.6	10000	38.5475	95.4017	-184	PS	3.0	0	9.2	-1	1.2	1	0.431	1	3.211	1	7.447	-1	2242	47	1.4
9604.5	10000	38.5475	95.4010	-185	PS	3.0	0	9.2	-1	1.2	1	0.452	1	3.436	1	7.606	-1	2260	48	1.4
9604.4	10000	38.5475	95.4002	-185	PS	3.0	0	9.2	-1	1.2	1	0.464	1	3.464	1	7.472	-1	2269	55	1.4
9604.3	10000	38.5475	95.3995	-186	PS	3.0	0	9.2	-1	1.2	1	0.496	1	3.757	1	7.573	-1	2274	51	1.5
9604.2	10000	38.5475	95.3988	-188	PS	3.0	0	9.2	-1	1.2	1	0.492	1	3.776	1	7.670	-1	2247	48	1.5
9604.1	10000	38.5475	95.3980	-190	PS	3.0	0	9.2	-1	1.2	1	0.432	1	3.460	1	8.013	-1	2234	55	1.5
9604.0	10000	38.5475	95.3973	-192	PS	3.0	0	9.2	-1	1.2	1	0.444	1	3.425	1	7.717	-1	2182	46	1.5
9603.9	10000	38.5475	95.3966	-194	PS	3.0	0	9.2	-1	1.2	1	0.435	1	3.334	1	7.664	-1	2131	54	1.5
9603.8	10000	38.5475	95.3959	-197	PS	3.0	0	9.2	-1	1.2	1	0.434	1	3.140	1	7.236	-1	2100	48	1.5
9603.7	10000	38.5475	95.3951	-200	PS	3.0	0	9.2	-1	1.2	1	0.420	1	3.121	1	7.433	-1	2065	49	1.5
9603.6	10000	38.5475	95.3944	-203	PS	3.0	0	9.2	-1	1.2	1	0.387	1	2.847	1	7.352	-1	2055	52	1.5
9603.5	10000	38.5475	95.3937	-206	PS	3.0	0	9.2	-1	1.2	1	0.369	1	2.721	1	7.377	-1	2036	47	1.5
9603.4	10000	38.5475	95.3929	-208	PS	3.0	0	9.2	-1	1.2	1	0.399	1	2.791	1	6.991	-1	2052	51	1.5
9603.3	10000	38.5475	95.3922	-211	PS	3.0	0	9.2	-1	1.2	1	0.358	1	2.509	1	7.005	-1	2052	42	1.5
9603.2	10000	38.5475	95.3915	-216	PS	3.0	0	9.2	-1	1.2	1	0.374	1	2.475	1	6.611	-1	2036	48	1.5
9603.1	10000	38.5475	95.3908	-222	PS	3.0	0	9.2	-1	1.2	1	0.385	1	2.573	1	6.680	-1	2023	50	1.5
9603.0	10000	38.5475	95.3900	-226	PS	3.0	0	9.2	-1	1.2	1	0.402	1	2.815	1	7.003	-1	2023	50	1.5

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
9602.9	10000	38.5475	95.3893	-230	PD	3.6	1	8.4	-1	1.2	0	0.429	2	3.070	0	7.152	-1	1995	50	1.5
9602.8	10000	38.5475	95.3886	-235	PD	3.7	1	8.1	-1	1.2	0	0.454	2	3.156	0	6.955	-1	1981	53	1.5
9602.7	10000	38.5475	95.3878	-239	PD	3.8	1	8.3	-1	1.2	0	0.461	2	3.330	1	7.216	-1	1987	43	1.5
9602.6	10000	38.5475	95.3871	-245	PD	3.8	1	8.6	-1	1.1	0	0.447	2	3.388	1	7.571	-1	2004	37	1.5
9602.5	10000	38.5475	95.3864	-250	PD	3.7	1	9.1	0	1.1	0	0.401	1	3.407	1	8.489	0	2008	44	1.5
9602.4	10000	38.5475	95.3857	-255	PD	3.6	1	9.3	0	1.1	0	0.392	1	3.246	0	8.288	0	2031	37	1.5
9602.3	10000	38.5475	95.3849	-260	PD	3.4	1	9.3	0	1.2	0	0.368	1	2.910	0	7.901	-1	2052	46	1.5
9602.2	10000	38.5475	95.3842	-265	PD	3.5	1	9.3	0	1.2	1	0.373	1	2.874	0	7.703	-1	2079	45	1.5
9602.1	10000	38.5474	95.3835	-269	PD	3.8	1	9.6	0	1.2	1	0.394	1	3.094	0	7.858	-1	2098	46	1.5
9602.0	10000	38.5474	95.3828	-274	PD	3.7	1	9.8	0	1.2	1	0.382	1	3.006	0	7.868	-1	2115	52	1.5
9601.9	10000	38.5474	95.3820	-278	PD	3.8	1	9.6	0	1.2	1	0.400	1	3.095	0	7.733	-1	2108	52	1.5
9601.8	10000	38.5474	95.3813	-282	PD	3.7	1	9.4	0	1.3	1	0.395	1	2.952	0	7.483	-1	2112	54	1.5
9601.7	10000	38.5474	95.3806	-285	PD	3.5	1	9.3	0	1.2	1	0.379	1	2.832	0	7.483	-1	2105	46	1.5
9601.6	10000	38.5474	95.3798	-290	PD	3.5	1	9.4	0	1.2	1	0.374	1	2.837	0	7.582	-1	2085	46	1.5
9601.5	10000	38.5474	95.3791	-293	PD	3.3	1	9.5	0	1.3	1	0.351	0	2.664	0	7.582	-1	2056	50	1.5
9601.4	10000	38.5474	95.3784	-295	PD	3.3	1	9.0	-1	1.3	1	0.370	1	2.572	-1	6.951	-1	2044	45	1.5
9601.3	10000	38.5474	95.3777	-298	PD	3.3	1	8.8	-1	1.3	1	0.378	1	2.586	-1	6.847	-1	2037	46	1.5
9601.2	10000	38.5474	95.3769	-303	PD	3.1	1	9.2	0	1.3	1	0.340	0	2.386	-1	7.019	-1	2044	49	1.5
9601.1	10000	38.5474	95.3762	-306	PD	3.3	1	9.3	0	1.4	1	0.350	0	2.409	-1	6.878	-1	2051	55	1.5
9601.0	10000	38.5474	95.3755	-309	PD	3.3	1	9.4	0	1.3	1	0.353	0	2.555	-1	7.239	-1	2059	51	1.5
9600.9	10000	38.5474	95.3747	-311	PD	3.5	1	9.2	0	1.3	1	0.378	1	2.681	0	7.093	-1	2063	50	1.5
9600.8	10000	38.5474	95.3740	-313	PD	3.7	1	9.7	0	1.3	1	0.382	1	2.932	0	7.681	-1	2076	47	1.5
9600.7	10000	38.5474	95.3733	-316	PD	3.0	0	10.3	1	1.2	1	0.296	-1	2.568	-1	8.683	0	2064	53	1.5
9600.6	10000	38.5475	95.3725	-320	PD	3.0	0	10.4	1	1.1	0	0.290	-1	2.640	-1	9.090	0	2032	44	1.4
9600.5	10000	38.5475	95.3718	-323	PD	3.4	1	9.9	0	1.0	0	0.348	0	3.286	1	9.454	0	1995	31	1.4
9600.4	10000	38.5475	95.3711	-325	PD	3.4	1	9.9	0	1.0	0	0.339	0	3.421	1	10.081	1	1954	53	1.4
9600.3	10000	38.5475	95.3704	-327	PD	3.2	1	9.6	0	0.9	0	0.352	0	3.661	1	10.413	1	1927	53	1.4
9600.2	10000	38.5475	95.3696	-328	PD	3.1	1	9.7	0	0.9	0	0.327	0	3.590	1	10.992	1	1909	48	1.4
9600.1	10000	38.5475	95.3689	-330	PD	3.2	1	9.7	0	0.9	0	0.343	0	3.769	1	10.993	1	1890	44	1.4
9600.0	10000	38.5475	95.3682	-333	PD	3.5	1	9.7	0	0.8	0	0.388	0	4.202	1	10.826	1	1889	51	1.4
9599.9	10000	38.5475	95.3674	-336	PD	3.5	1	9.8	0	0.8	0	0.394	0	4.234	1	10.736	1	1888	54	1.4
9599.8	10000	38.5475	95.3667	-338	PD	3.2	1	9.8	0	0.9	0	0.359	0	3.754	1	10.467	1	1881	46	1.4
9599.7	10000	38.5475	95.3660	-339	PD	3.2	1	9.8	0	0.9	0	0.335	0	3.605	1	10.750	1	1879	45	1.4
9599.6	10000	38.5475	95.3653	-341	PD	3.2	1	9.8	0	0.9	0	0.330	0	3.548	1	10.968	1	1876	42	1.4
9599.5	10000	38.5475	95.3645	-343	PD	3.3	1	9.8	0	0.9	0	0.307	0	3.465	1	11.280	2	1876	56	1.4
9599.4	10000	38.5475	95.3638	-344	PD	3.3	1	9.8	0	0.9	0	0.304	0	3.390	1	11.167	2	1866	56	1.4
9599.3	10000	38.5475	95.3631	-346	PD	3.2	1	9.8	0	0.9	0	0.298	0	3.360	1	11.265	2	1854	46	1.4
9599.2	10000	38.5475	95.3624	-347	PD	3.1	1	9.8	0	0.9	0	0.277	0	3.199	1	11.536	2	1833	52	1.4
9599.1	10000	38.5475	95.3616	-348	PD	3.1	1	9.8	0	0.9	0	0.273	0	3.129	1	11.471	2	1796	50	1.4
9599.0	10000	38.5476	95.3609	-349	PD	3.1	1	9.8	0	0.9	0	0.314	0	3.447	1	10.977	1	1756	40	1.4
9598.9	10000	38.5476	95.3602	-349	PD	3.2	1	9.8	0	0.8	0	0.336	0	3.526	1	10.507	1	1705	40	1.4
9598.8	10000	38.5476	95.3594	-348	PD	3.2	1	9.8	0	0.8	0	0.367	0	3.856	1	10.500	1	1643	50	1.4
9598.7	10000	38.5476	95.3587	-347	PD	3.2	1	9.8	0	0.8	0	0.370	0	3.719	1	10.044	1	1584	48	1.4
9598.6	10000	38.5476	95.3580	-348	PD	3.2	1	9.8	0	0.8	0	0.374	0	3.845	1	10.273	1	1529	51	1.4
9598.5	10000	38.5476	95.3572	-353	PD	3.2	1	9.8	0	0.8	0	0.414	0	4.275	1	10.324	1	1495	58	1.4
9598.4	10000	38.5476	95.3565	-356	PD	3.2	1	9.8	0	0.8	0	0.406	0	4.432	1	10.918	1	1486	43	1.4
9598.3	10000	38.5476	95.3558	-357	PD	3.2	1	9.8	0	0.8	0	0.391	0	4.238	1	10.837	1	1494	50	1.4
9598.2	10000	38.5476	95.3551	-358	PD	3.2	1	9.8	0	0.8	0	0.419	0	4.457	1	10.643	1	1524	59	1.4
9598.1	10000	38.5476	95.3543	-359	PD	3.2	1	9.8	0	0.8	0	0.421	0	4.184	1	9.947	1	1572	55	1.4
9598.0	10000	38.5476	95.3536	-360	PD	3.2	1	9.8	0	0.8	0	0.428	0	4.250	1	9.935	1	1637	48	1.4
9597.9	10000	38.5476	95.3529	-361	PD	3.2	1	9.8	0	0.8	0	0.427	0	3.953	1	9.264	1	1696	48	1.4
9597.8	10000	38.5476	95.3521	-362	PD	3.4	1	9.9	0	0.9	0	0.411	0	3.696	1	8.985	1	1777	47	1.4

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9597.7	10000	38.5476	95.3514	-363	PD	3.3	0	8.3	-1	1.0	-1	0.403	1	3.361	1	8.332	0	1843	49	1.4
9597.6	10000	38.5476	95.3507	-364	PD	3.4	0	8.8	-1	1.0	0	0.380	1	3.248	0	8.542	0	1898	45	1.4
9597.5	10000	38.5476	95.3499	-365	PD	3.3	0	9.0	-1	1.0	0	0.369	1	3.185	0	8.633	0	1898	51	1.4
9597.4	10000	38.5476	95.3492	-366	PD	3.2	0	9.0	-1	1.0	0	0.357	0	3.066	0	8.584	0	1889	55	1.4
9597.3	10000	38.5476	95.3485	-368	PD	3.1	0	8.7	-1	1.1	0	0.357	0	2.953	0	8.279	0	1866	48	1.4
9597.2	10000	38.5477	95.3478	-369	PD	3.0	0	9.0	-1	1.0	-1	0.334	0	3.040	0	9.096	0	1849	57	1.4
9597.1	10000	38.5477	95.3470	-370	PD	3.0	0	8.2	-1	0.9	-1	0.363	1	3.169	0	8.720	0	1805	59	1.4
9597.0	10000	38.5477	95.3463	-372	PD	3.3	0	8.4	-1	0.9	-1	0.392	1	3.649	1	9.321	0	1773	49	1.4
9596.9	10000	38.5477	95.3456	-374	PD	3.3	0	8.3	-1	0.9	-1	0.397	1	3.768	1	9.488	0	1748	44	1.4
9596.8	10000	38.5477	95.3448	-375	PD	3.3	0	8.5	-1	0.9	-1	0.391	1	3.720	1	9.519	0	1763	48	1.4
9596.7	10000	38.5477	95.3441	-377	PD	3.3	0	8.8	-1	0.9	-1	0.378	1	3.821	1	10.108	1	1779	36	1.4
9596.6	10000	38.5477	95.3434	-379	PD	3.3	0	9.1	0	0.9	-1	0.358	0	3.656	1	10.205	1	1804	64	1.4
9596.5	10000	38.5477	95.3427	-381	PD	3.4	0	8.7	-1	0.9	-1	0.383	1	3.629	1	9.464	0	1821	51	1.4
9596.4	10000	38.5477	95.3419	-381	PD	3.2	0	9.4	0	0.9	-1	0.341	0	3.446	1	10.119	1	1852	60	1.4
9596.3	10000	38.5477	95.3412	-382	PD	3.2	0	9.5	0	1.0	-1	0.335	0	3.203	1	9.559	0	1899	48	1.4
9596.2	10000	38.5477	95.3405	-384	PD	3.1	0	9.5	0	1.0	0	0.325	0	2.995	0	9.229	0	1932	42	1.4
9596.1	10000	38.5477	95.3398	-385	PD	3.1	0	9.7	0	1.0	0	0.317	0	2.964	0	9.347	0	1955	47	1.4
9596.0	10000	38.5477	95.3390	-387	PD	3.1	0	9.7	0	1.0	0	0.320	0	3.002	0	9.394	0	1964	48	1.5
9595.9	10000	38.5477	95.3383	-388	PD	2.8	-1	9.7	0	1.0	0	0.291	-1	2.793	0	9.598	0	1965	53	1.5
9595.8	10000	38.5477	95.3376	-389	PD	2.9	-1	9.9	0	1.0	0	0.292	-1	2.765	0	9.464	0	1969	45	1.5
9595.7	10000	38.5477	95.3368	-391	PD	2.8	-1	9.5	0	1.1	0	0.298	-1	2.691	0	9.040	0	1958	50	1.5
9595.6	10000	38.5477	95.3361	-392	PD	2.7	-1	9.2	0	1.0	-1	0.294	-1	2.686	0	9.121	0	1922	58	1.5
9595.5	10000	38.5477	95.3354	-394	PD	2.7	-1	9.3	0	1.0	-1	0.294	-1	2.827	0	9.618	0	1904	48	1.5
9595.4	10000	38.5478	95.3346	-396	PD	2.7	-1	8.8	-1	0.9	-1	0.302	-1	2.866	0	9.495	0	1879	43	1.5
9595.3	10000	38.5478	95.3339	-397	PD	2.6	-1	9.0	-1	1.0	-1	0.286	-1	2.702	0	9.440	0	1864	42	1.5
9595.2	10000	38.5478	95.3332	-399	PD	2.9	-1	8.6	-1	0.9	-1	0.334	0	3.054	0	9.142	0	1843	63	1.5
9595.1	10000	38.5478	95.3325	-400	PD	2.8	-1	8.5	-1	0.9	-1	0.327	0	3.122	0	9.555	0	1833	44	1.5
9595.0	10000	38.5478	95.3317	-401	PD	2.7	-1	8.7	-1	0.9	-1	0.315	0	3.026	0	9.616	0	1821	52	1.5
9594.9	10000	38.5478	95.3310	-403	PD	2.7	-1	9.3	0	0.9	-1	0.290	-1	2.935	1	10.105	1	1823	48	1.5
9594.8	10000	38.5478	95.3303	-405	PD	2.6	-1	9.2	0	0.9	-1	0.277	-1	2.751	1	9.923	1	1797	45	1.5
9594.7	10000	38.5478	95.3295	-406	PD	2.6	-1	9.2	-1	1.0	-1	0.282	-1	2.660	0	9.441	1	1792	40	1.5
9594.6	10000	38.5478	95.3288	-407	PD	2.5	-1	8.9	-1	1.0	-1	0.283	-1	2.645	-1	9.336	0	1794	51	1.5
9594.5	10000	38.5478	95.3281	-409	PD	2.6	-1	9.2	-1	0.9	-1	0.286	-1	2.914	0	10.182	1	1797	57	1.5
9594.4	10000	38.5478	95.3273	-411	PD	2.7	-1	9.4	-1	0.9	-1	0.290	-1	3.093	0	10.646	1	1802	51	1.5
9594.3	10000	38.5478	95.3266	-411	PD	2.8	-1	9.5	-2	0.8	-1	0.296	-1	3.400	1	11.503	2	1798	52	1.5
9594.2	10000	38.5478	95.3259	-413	PD	2.9	-1	9.4	-2	0.8	-1	0.306	-1	3.646	1	11.900	2	1807	48	1.6
9594.1	10000	38.5478	95.3252	-414	PD	2.9	-1	9.4	-2	0.8	-1	0.308	-1	4.169	2	12.327	4	1836	54	1.6
9594.0	10000	38.5478	95.3244	-416	PD	2.9	-1	10.1	-2	0.7	-1	0.316	-1	4.616	3	14.613	3	1836	55	1.6
9593.9	10000	38.5478	95.3237	-417	PD	3.0	-1	10.0	-2	0.8	-1	0.333	-1	4.634	3	13.913	2	1861	47	1.6
9593.8	10000	38.5478	95.3230	-418	PD	3.0	-1	9.9	-2	0.8	-1	0.327	-1	4.234	2	12.953	2	1883	52	1.6
9593.7	10000	38.5478	95.3223	-420	PD	3.0	-1	9.9	-2	0.8	-1	0.343	-1	3.957	2	11.524	1	1901	51	1.6
9593.6	10000	38.5479	95.3215	-422	PD	3.0	-1	9.9	-2	0.8	-1	0.357	-1	3.911	2	10.958	1	1926	36	1.6
9593.5	10000	38.5479	95.3208	-423	PD	3.0	-1	9.9	-2	0.8	-1	0.361	-1	3.610	2	9.996	1	1929	48	1.6
9593.4	10000	38.5479	95.3201	-425	PD	3.0	-1	9.9	-2	0.8	-1	0.367	-1	3.573	2	9.736	1	1923	57	1.6
9593.3	10000	38.5479	95.3193	-426	PD	3.0	-1	9.9	-2	0.8	-1	0.360	-1	3.261	2	9.056	1	1951	51	1.6
9593.2	10000	38.5479	95.3186	-428	PD	3.0	-1	9.9	-2	0.8	-1	0.365	-1	3.391	2	9.288	1	1941	52	1.6
9593.1	10000	38.5479	95.3179	-429	PD	3.0	-1	9.9	-2	0.8	-1	0.348	-1	3.248	2	9.329	1	1948	42	1.6
9593.0	10000	38.5479	95.3171	-431	PD	3.0	-1	9.9	-2	0.8	-1	0.349	-1	3.438	2	9.851	1	1956	60	1.6
9592.9	10000	38.5479	95.3164	-432	PD	3.0	-1	9.9	-2	0.8	-1	0.333	-1	3.329	2	9.996	1	1959	45	1.6
9592.8	10000	38.5479	95.3157	-434	PD	3.0	-1	9.9	-2	0.8	-1	0.314	-1	3.332	2	10.611	2	1978	52	1.6
9592.7	10000	38.5479	95.3150	-435	PD	3.0	-1	9.9	-2	0.8	-1	0.297	-1	3.135	2	10.571	2	2000	45	1.6
9592.6	10000	38.5479	95.3142	-436	PD	3.1	0	10.0	-1	0.9	-1	0.306	0	3.215	1	10.520	1	1988	57	1.6

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9592.5	10000	38.5479	95.3135	-437	PD	3.2	0	10.2	0	1.0	-1	0.312	0	3.189	0	10.231	1	2009	52	1.6
9592.4	10000	38.5479	95.3128	-439	PD	3.2	0	10.3	1	1.0	0	0.314	0	3.174	0	10.117	1	2026	56	1.6
9592.3	10000	38.5479	95.3120	-440	PD	3.1	0	10.1	0	1.0	0	0.307	0	3.028	0	9.853	1	2027	54	1.6
9592.2	10000	38.5479	95.3113	-441	PD	3.1	0	10.0	0	1.0	0	0.305	-1	2.975	0	9.759	1	2040	34	1.7
9592.1	10000	38.5479	95.3106	-441	PD	3.3	0	10.1	0	1.0	0	0.325	0	3.224	0	9.933	1	2043	36	1.7
9592.0	10000	38.5479	95.3099	-442	PD	3.2	0	10.1	0	1.0	0	0.317	0	3.117	0	9.845	1	2038	39	1.7
9591.9	10000	38.5480	95.3091	-442	PD	3.2	0	10.3	1	1.1	0	0.312	0	3.033	0	9.715	1	2051	50	1.7
9591.8	10000	38.5480	95.3084	-443	PD	3.1	0	10.3	1	1.0	0	0.305	-1	3.020	0	9.893	1	2038	50	1.7
9591.7	10000	38.5480	95.3077	-443	PD	3.3	0	10.6	1	1.0	0	0.308	0	3.192	0	10.370	1	2011	52	1.7
9591.6	10000	38.5480	95.3069	-443	PD	3.2	0	10.5	1	1.0	-1	0.300	-1	3.133	0	10.432	1	1986	45	1.7
9591.5	10000	38.5480	95.3062	-444	PD	3.3	0	10.2	1	1.0	-1	0.320	0	3.281	1	10.262	1	1964	51	1.7
9591.4	10000	38.5480	95.3055	-444	PD	3.2	0	9.7	0	1.0	-1	0.327	0	3.219	0	9.841	1	1940	53	1.7
9591.3	10000	38.5480	95.3047	-444	PD	3.3	0	9.7	0	1.0	-1	0.343	0	3.251	0	9.486	0	1933	41	1.7
9591.2	10000	38.5480	95.3040	-444	PD	3.2	0	9.7	0	1.0	-1	0.339	0	3.241	0	9.559	0	1901	45	1.7
9591.1	10000	38.5480	95.3033	-445	PD	3.0	0	9.5	0	1.0	-1	0.329	0	3.146	0	9.561	0	1884	45	1.7
9591.0	10000	38.5480	95.3026	-445	PD	2.8	-1	9.1	0	0.9	-1	0.312	0	2.978	0	9.555	0	1879	63	1.7
9590.9	10000	38.5480	95.3018	-446	PD	2.6	-1	9.1	1	0.9	-1	0.290	-1	2.832	0	9.782	1	1868	46	1.7
9590.8	10000	38.5480	95.3011	-445	PD	2.6	-1	9.3	1	0.9	-1	0.278	-1	2.905	1	10.469	1	1849	44	1.7
9590.7	10000	38.5480	95.3004	-446	PD	2.6	-1	9.6	1	0.9	-1	0.269	-1	2.897	1	10.761	1	1840	63	1.7
9590.6	10000	38.5480	95.2997	-446	PD	2.6	-1	9.6	1	0.8	-2	0.268	-1	3.062	2	11.434	2	1835	50	1.7
9590.5	10000	38.5480	95.2989	-446	PD	2.7	-1	9.6	1	0.9	-1	0.280	-1	3.144	2	11.238	2	1830	47	1.7
9590.4	10000	38.5480	95.2982	-446	PD	2.7	-1	9.7	1	0.8	-1	0.277	-1	3.188	2	11.487	2	1825	59	1.7
9590.3	10000	38.5480	95.2975	-446	PD	2.7	-1	9.2	1	0.8	-1	0.291	-1	3.185	1	10.935	1	1792	40	1.7
9590.2	10000	38.5480	95.2967	-446	PD	2.7	-1	9.0	0	0.8	-2	0.304	-1	3.372	1	11.097	2	1757	39	1.7
9590.1	10000	38.5480	95.2960	-446	PD	2.8	-1	8.5	-1	0.8	-2	0.323	0	3.378	1	10.463	1	1726	72	1.7
9590.0	10000	38.5480	95.2953	-447	PD	2.7	-1	8.8	0	0.8	-2	0.335	0	3.549	1	10.589	1	1690	47	1.7
9589.9	10000	38.5480	95.2945	-447	PD	2.6	-1	8.8	0	0.8	-2	0.313	0	3.522	1	11.245	2	1649	47	1.7
9589.8	10000	38.5481	95.2938	-447	PD	2.5	-1	8.8	0	0.8	-2	0.305	0	3.325	1	10.906	1	1640	40	1.7
9589.7	10000	38.5481	95.2931	-447	PD	2.5	-1	8.8	0	0.8	-2	0.312	0	3.172	1	9.856	1	1642	53	1.7
9589.6	10000	38.5481	95.2924	-448	PD	2.6	-1	8.9	0	0.8	-2	0.304	0	3.068	1	9.848	1	1681	44	1.7
9589.5	10000	38.5481	95.2916	-448	PD	2.6	-1	8.9	0	0.8	-2	0.291	0	2.956	1	9.722	1	1732	36	1.7
9589.4	10000	38.5481	95.2909	-448	PD	2.6	-1	9.0	1	0.8	-2	0.283	0	2.789	0	9.588	1	1799	41	1.7
9589.3	10000	38.5481	95.2902	-449	PD	2.7	-1	9.1	1	0.8	-2	0.295	0	2.651	1	9.353	1	1867	37	1.7
9589.2	10000	38.5481	95.2894	-449	PD	2.7	-1	9.0	1	0.8	-2	0.298	0	2.532	1	9.572	1	1936	38	1.7
9589.1	10000	38.5481	95.2887	-449	PD	2.7	-1	9.4	0	0.8	-2	0.269	0	2.538	1	8.517	1	2001	49	1.7
9589.0	10000	38.5481	95.2880	-450	PD	2.7	-1	9.1	1	0.8	-2	0.269	0	2.390	1	8.890	1	2033	64	1.7
9588.9	10000	38.5481	95.2873	-449	PD	2.7	-1	8.8	0	0.8	-2	0.280	0	2.349	1	8.735	1	2044	54	1.7
9588.8	10000	38.5481	95.2865	-450	PD	2.7	-1	9.2	1	0.8	-2	0.266	0	2.358	1	8.425	1	2054	47	1.7
9588.7	10000	38.5481	95.2858	-449	PD	2.7	-1	9.5	1	0.8	-2	0.255	0	2.302	1	8.643	1	2071	51	1.7
9588.6	10000	38.5481	95.2851	-449	PD	2.7	-1	9.3	1	0.8	-2	0.251	0	2.188	1	8.269	1	2083	43	1.7
9588.5	10000	38.5481	95.2843	-449	PD	2.7	-1	9.2	1	0.8	-2	0.246	0	2.209	1	8.792	1	2082	49	1.7
9588.4	10000	38.5481	95.2836	-450	PD	2.7	-1	9.2	1	0.8	-2	0.245	0	2.276	1	9.248	1	2065	37	1.7
9588.3	10000	38.5481	95.2829	-450	PD	2.7	-1	9.2	1	0.8	-2	0.252	0	2.306	1	9.412	1	2074	40	1.7
9588.2	10000	38.5481	95.2822	-451	PD	2.8	-1	9.1	1	0.8	-2	0.252	0	2.355	1	9.363	1	2080	44	1.7
9588.1	10000	38.5481	95.2814	-451	PD	2.8	-1	9.1	1	0.8	-2	0.266	0	2.301	1	9.137	1	2083	45	1.7
9588.0	10000	38.5481	95.2807	-450	PD	2.7	-1	9.1	1	0.8	-2	0.257	0	2.284	1	9.599	1	2046	39	1.7
9587.9	10000	38.5482	95.2800	-449	PD	2.8	-1	9.1	1	0.8	-2	0.257	0	2.463	1	9.841	1	2023	49	1.7
9587.8	10000	38.5482	95.2792	-447	PD	2.8	-1	9.0	1	0.8	-2	0.311	0	2.503	1	9.074	-1	2022	44	1.7
9587.7	10000	38.5482	95.2785	-448	PD	2.8	-1	9.1	1	0.8	-2	0.307	0	2.498	1	8.877	-1	2027	35	1.7
9587.6	10000	38.5482	95.2778	-451	PD	2.8	-1	9.1	1	0.8	-2	0.327	0	2.566	1	8.853	-1	2024	44	1.7
9587.5	10000	38.5482	95.2771	-452	PD	2.8	-1	9.1	1	0.8	-2	0.311	0	2.498	1	8.837	-1	2019	43	1.7
9587.4	10000	38.5482	95.2763	-453	PD	3.0	0	9.8	1	0.8	-2	0.303	-1	2.453	1	8.106	-1	2007	45	1.7

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9587.3	10000	38.5482	95.2756	-453	PD	2.9	-1	9.9	0	1.2	1	0.288	-1	2.292	-1	7.963	-1	2011	46	1.7
9587.2	10000	38.5482	95.2749	-453	PD	2.8	-1	9.7	0	1.2	1	0.294	-1	2.299	-1	7.827	-1	2011	45	1.7
9587.1	10000	38.5482	95.2741	-453	PD	2.5	-1	9.6	0	1.2	1	0.266	-1	2.037	-2	7.661	-1	1989	48	1.7
9587.0	10000	38.5482	95.2734	-453	PD	2.4	-2	9.6	0	1.2	1	0.250	-2	1.985	-2	7.927	-1	1967	49	1.7
9586.9	10000	38.5482	95.2727	-453	PD	2.7	-1	9.2	0	1.2	1	0.294	-1	2.249	-1	7.659	-1	1949	40	1.7
9586.8	10000	38.5482	95.2719	-453	PD	3.1	0	8.8	-1	1.2	0	0.354	0	2.660	0	7.517	-1	1949	45	1.7
9586.7	10000	38.5482	95.2712	-453	PD	3.3	0	8.6	-1	1.2	0	0.380	1	2.809	0	7.386	-1	1969	51	1.7
9586.6	10000	38.5482	95.2703	-452	PD	3.5	1	8.8	-1	1.1	0	0.396	1	3.053	0	7.717	-1	1989	54	1.7
9586.5	10000	38.5482	95.2694	-453	PD	3.7	1	9.1	0	1.1	0	0.405	1	3.279	1	8.094	-1	2002	48	1.7
9586.4	10000	38.5482	95.2685	-453	PD	3.9	2	9.3	0	1.1	0	0.422	2	3.491	1	8.280	0	2030	41	1.7
9586.3	10000	38.5482	95.2676	-453	PD	4.0	2	9.1	0	1.1	0	0.444	2	3.626	1	8.172	-1	2044	46	1.7
9586.2	10000	38.5482	95.2667	-452	PD	3.5	1	9.6	0	1.1	0	0.366	1	3.124	0	8.533	0	2064	47	1.7
9586.1	10000	38.5482	95.2658	-451	PD	3.1	0	9.6	0	1.2	0	0.323	0	2.663	0	8.251	0	2072	45	1.7
9586.0	10000	38.5482	95.2649	-451	PD	3.0	0	9.8	0	1.2	0	0.304	-1	2.531	-1	8.325	0	2078	48	1.7
9585.9	10000	38.5482	95.2640	-450	PD	2.8	-1	9.8	0	1.2	1	0.286	-1	2.306	-1	8.054	-1	2088	52	1.7
9585.8	10000	38.5482	95.2631	-451	PD	2.5	-1	9.6	0	1.2	1	0.264	-1	2.034	-2	7.719	-1	2094	45	1.7
9585.7	10000	38.5482	95.2621	-452	PD	2.6	-1	9.6	0	1.3	1	0.276	-1	2.067	-1	7.498	-1	2113	56	1.7
9585.6	10000	38.5482	95.2612	-453	PD	2.8	-1	9.9	0	1.3	1	0.285	-1	2.117	-1	7.428	-1	2148	42	1.7
9585.5	10000	38.5483	95.2603	-453	PD	3.2	0	9.6	0	1.3	1	0.334	0	2.416	-1	7.231	-1	2168	41	1.7
9585.4	10000	38.5483	95.2594	-454	PD	3.5	1	9.7	0	1.4	2	0.358	0	2.559	-1	7.158	-1	2187	34	1.6
9585.3	10000	38.5483	95.2585	-456	PD	3.4	1	9.9	0	1.4	2	0.346	0	2.537	-1	7.328	-1	2198	42	1.6
9585.2	10000	38.5483	95.2576	-456	PD	3.4	0	10.0	1	1.4	2	0.339	0	2.489	-1	7.333	-1	2205	54	1.6
9585.1	10000	38.5483	95.2567	-458	PD	3.4	0	10.6	1	1.4	2	0.323	0	2.424	-1	7.509	-1	2226	46	1.6
9585.0	10000	38.5483	95.2558	-460	PD	3.4	0	10.9	1	1.4	2	0.312	0	2.441	-1	7.834	-1	2218	39	1.6
9584.9	10000	38.5483	95.2549	-462	PD	3.2	0	11.1	1	1.4	2	0.293	-1	2.322	-1	7.915	-1	2214	56	1.6
9584.8	10000	38.5483	95.2540	-465	PD	3.0	0	11.2	1	1.4	2	0.264	-1	2.107	-1	7.975	-1	2202	38	1.6
9584.7	10000	38.5483	95.2531	-467	PD	2.8	0	11.5	1	1.4	2	0.242	-1	2.054	-2	8.481	0	2186	45	1.6
9584.6	10000	38.5483	95.2522	-470	PD	2.8	0	11.3	1	1.4	2	0.252	-1	2.100	-1	8.327	0	2174	56	1.6
9584.5	10000	38.5483	95.2513	-473	PD	2.8	0	11.1	1	1.4	2	0.268	-1	2.313	-1	8.639	0	2151	47	1.6
9584.4	10000	38.5483	95.2504	-475	PD	2.8	0	11.1	1	1.4	2	0.282	-1	2.423	-1	8.585	0	2119	56	1.6
9584.3	10000	38.5483	95.2495	-478	PD	2.8	0	11.1	1	1.4	2	0.269	-1	2.270	-1	8.430	0	2101	58	1.6
9584.2	10000	38.5483	95.2486	-480	PD	2.8	0	11.1	1	1.4	2	0.291	-1	2.402	-1	8.245	-1	2078	47	1.6
9584.1	10000	38.5483	95.2477	-484	PD	2.8	0	11.1	1	1.4	2	0.335	-1	2.718	-1	8.119	-1	2078	48	1.6
9584.0	10000	38.5483	95.2467	-490	PD	2.8	0	11.1	1	1.4	2	0.377	-1	2.962	-1	7.859	-1	2078	43	1.6
9583.9	10000	38.5483	95.2458	-495	PD	2.8	0	11.1	1	1.4	2	0.381	-1	2.995	-1	7.865	-1	2067	61	1.6
9583.8	10000	38.5483	95.2449	-499	PD	2.8	0	11.1	1	1.4	2	0.403	-1	3.095	-1	7.675	-1	2073	36	1.6
9583.7	10000	38.5483	95.2440	-504	PD	2.8	0	11.1	1	1.4	2	0.426	-1	3.085	-1	7.239	-1	2081	48	1.6
9583.6	10000	38.5483	95.2431	-508	PD	2.8	0	11.1	1	1.4	2	0.441	-1	3.125	-1	7.087	-1	2085	49	1.6
9583.5	10000	38.5483	95.2422	-513	PD	2.8	0	11.1	1	1.4	2	0.408	-1	2.787	-1	6.827	-1	2092	61	1.6
9583.4	10000	38.5483	95.2413	-5[illegible]	PD	2.8	0	11.1	1	1.4	2	0.376	-1	2.705	-1	7.186	-1	2080	42	1.6
9583.3	10000	38.5483	95.2404	-52[illegible]	PD	2.8	0	11.1	1	1.4	2	0.345	-1	2.579	-1	7.464	-1	2081	63	1.6
9583.2	10000	38.5483	95.2395	-529	PD	2.8	0	11.1	1	1.4	2	0.362	-1	2.789	-1	7.701	-1	2095	36	1.6
9583.1	10000	38.5483	95.2386	-532	PD	2.8	0	11.1	1	1.4	2	0.319	-1	2.448	-1	7.670	-1	2096	49	1.6
9583.0	10000	38.5483	95.2377	-535	PD	2.8	0	11.1	1	1.4	2	0.297	-1	2.349	-1	7.897	-1	2104	50	1.6
9582.9	10000	38.5483	95.2368	-539	PD	2.8	0	11.1	1	1.4	2	0.324	-1	2.503	-1	7.835	-1	2111	55	1.6
9582.8	10000	38.5483	95.2359	-542	PD	2.8	0	11.1	1	1.4	2	0.316	-1	2.486	-1	7.912	-1	2124	44	1.6
9582.7	10000	38.5483	95.2350	-545	PD	2.8	0	11.1	1	1.4	2	0.306	-1	2.430	-1	7.840	-1	2155	51	1.6
9582.6	10000	38.5483	95.2340	-547	PD	2.8	0	11.1	1	1.4	2	0.287	-1	2.301	-1	7.824	-1	2176	56	1.6
9582.5	10000	38.5483	95.2331	-550	PD	2.8	0	11.1	1	1.4	2	0.314	-1	2.486	-1	7.913	-1	2181	33	1.6
9582.4	10000	38.5483	95.2322	-553	PD	2.8	0	11.1	1	1.4	2	0.350	-1	2.631	-1	7.381	0	2197	55	1.6
9582.3	10000	38.5483	95.2313	-555	PD	2.8	0	11.1	1	1.4	2	0.345	-1	2.633	-1	7.307	0	2215	51	1.6
9582.2	10000	38.5483	95.2304	-558	PD	2.8	0	11.1	1	1.4	2	0.343	-1	2.650	-1	7.843	0	2221	51	1.6

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LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9582.1	10000	38.5483	95.2295	-557	PD	4.0	2	10.9	1	1.2	1	0.363	1	3.162	0	8.722	0	2212	59	1.6
9582.0	10000	38.5483	95.2286	-558	PD	3.9	2	10.4	1	1.2	1	0.379	1	3.203	0	8.454	0	2184	50	1.6
9581.9	10000	38.5483	95.2277	-555	PD	4.0	2	10.1	0	1.2	1	0.398	1	3.371	0	8.461	0	2159	41	1.6
9581.8	10000	38.5484	95.2268	-551	PD	4.0	2	9.9	0	1.2	1	0.403	1	3.291	1	8.163	-1	2158	61	1.6
9581.7	10000	38.5484	95.2259	-551	PD	3.9	2	9.8	0	1.2	1	0.403	1	3.158	0	7.842	-1	2150	46	1.6
9581.6	10000	38.5484	95.2250	-551	PD	3.7	1	9.9	0	1.2	1	0.371	1	3.032	0	8.175	-1	2128	43	1.6
9581.5	10000	38.5484	95.2241	-551	PD	3.5	1	9.7	0	1.3	1	0.363	1	2.792	0	7.702	-1	2120	45	1.6
9581.4	10000	38.5484	95.2232	-550	PD	3.5	1	10.0	0	1.2	1	0.346	0	2.827	0	8.167	-1	2118	45	1.6
9581.3	10000	38.5484	95.2223	-551	PD	3.3	1	10.0	0	1.2	1	0.326	0	2.637	-1	8.099	-1	2109	40	1.6
9581.2	10000	38.5484	95.2213	-553	PD	3.2	1	9.9	0	1.2	1	0.318	0	2.527	-1	7.951	-1	2112	45	1.6
9581.1	10000	38.5484	95.2204	-558	PL P	3.1	0	10.0	0	1.3	1	0.308	-1	2.384	-1	7.746	-1	2111	58	1.6
9581.0	10000	38.5484	95.2195	-559	PL P	3.0	0	9.7	0	1.3	1	0.309	0	2.356	-1	7.620	-1	2104	42	1.6
9580.9	10000	38.5484	95.2186	-557	PL P	3.3	0	9.8	1	1.3	1	0.339	0	2.608	0	7.696	-1	2114	45	1.6
9580.8	10000	38.5484	95.2177	-555	PL P	3.6	1	9.8	0	1.3	1	0.362	0	2.842	0	7.862	0	2120	56	1.6
9580.7	10000	38.5484	95.2168	-554	PL P	3.4	1	9.8	0	1.3	1	0.344	0	2.630	0	7.644	-1	2121	63	1.6
9580.6	10000	38.5484	95.2159	-553	PL P	3.5	1	9.9	0	1.3	1	0.352	0	2.769	0	7.863	0	2131	51	1.6
9580.5	10000	38.5484	95.2150	-551	PL P	3.4	1	10.3	1	1.3	1	0.332	0	2.693	0	8.122	0	2136	49	1.6
9580.4	10000	38.5484	95.2141	-550	PL P	3.3	1	10.4	1	1.3	1	0.313	0	2.579	0	8.239	0	2133	52	1.6
9580.3	10000	38.5484	95.2132	-548	PL P	3.2	2	11.2	1	1.3	1	0.283	-1	2.464	-1	8.701	0	2150	47	1.6
9580.2	10000	38.5484	95.2123	-546	PL P	2.8	2	11.3	1	1.3	1	0.249	-2	2.206	-1	8.869	0	2151	54	1.6
9580.1	10000	38.5484	95.2114	-547	PL P	2.9	2	11.3	1	1.2	1	0.257	-1	2.360	-1	9.189	1	2157	48	1.6
9580.0	10000	38.5484	95.2105	-547	PL P	3.1	2	11.3	1	1.2	1	0.273	-1	2.613	0	9.559	1	2153	36	1.6
9579.9	10000	38.5484	95.2096	-547	PL P	3.2	2	11.3	1	1.2	1	0.284	-1	2.719	0	9.584	1	2139	52	1.6
9579.8	10000	38.5484	95.2086	-546	PL P	3.3	2	10.9	1	1.2	1	0.306	-1	2.872	0	9.386	1	2100	54	1.6
9579.7	10000	38.5484	95.2077	-546	PL P	3.5	1	10.3	1	1.1	0	0.337	0	3.122	0	9.275	1	2065	43	1.6
9579.6	10000	38.5484	95.2068	-546	PL P	3.6	1	9.6	0	1.0	-1	0.377	1	3.520	1	9.334	1	2023	37	1.6
9579.5	10000	38.5484	95.2059	-546	PL P	3.7	1	8.8	-1	1.0	-1	0.414	1	3.573	1	8.621	0	1978	43	1.6
9579.4	10000	38.5484	95.2050	-546	PL P	3.4	1	8.6	-1	1.0	-1	0.399	1	3.318	1	8.307	0	1931	59	1.6
9579.3	10000	38.5484	95.2041	-547	PL P	3.4	1	8.7	-1	1.0	-1	0.413	1	3.296	1	7.973	0	1904	55	1.6
9579.2	10000	38.5484	95.2032	-547	PL P	3.2	1	8.3	-1	1.0	-1	0.387	1	3.115	1	8.041	0	1918	45	1.6
9579.1	10000	38.5484	95.2023	-547	PL P	3.0	1	8.1	-1	1.0	-1	0.355	1	2.970	1	8.373	0	1959	42	1.6
9579.0	10000	38.5484	95.2014	-547	PL P	2.7	1	8.2	-1	1.0	-1	0.330	1	2.924	1	8.868	0	1986	53	1.6
9578.9	10000	38.5484	95.2005	-547	PL P	2.4	1	8.5	-1	1.0	-1	0.285	1	2.760	1	8.628	0	1994	48	1.6
9578.8	10000	38.5484	95.1996	-547	PL P	2.5	1	8.5	-1	1.0	-1	0.266	1	2.645	1	8.283	0	2030	50	1.6
9578.7	10000	38.5484	95.1987	-547	PL P	2.4	1	8.5	-1	1.0	-1	0.246	1	2.449	1	8.212	0	2057	42	1.6
9578.6	10000	38.5484	95.1978	-548	PL P	2.3	1	8.4	-1	1.0	-1	0.231	1	2.301	1	8.343	0	2083	46	1.6
9578.5	10000	38.5484	95.1969	-549	PL P	2.2	1	8.3	-1	1.0	-1	0.262	1	2.145	1	8.288	0	2091	55	1.6
9578.4	10000	38.5484	95.1960	-548	PL P	2.2	1	8.3	-1	1.0	-1	0.279	1	2.344	1	8.935	0	2107	63	1.6
9578.3	10000	38.5484	95.1951	-548	PL P	2.2	1	8.3	-1	1.0	-1	0.280	1	2.554	1	8.170	0	2118	39	1.6
9578.2	10000	38.5484	95.1942	-548	PL P	2.2	1	8.3	-1	1.0	-1	0.299	1	2.517	1	8.987	0	2161	45	1.6
9578.1	10000	38.5484	95.1932	-548	PL P	2.2	1	8.3	-1	1.0	-1	0.320	1	2.598	1	8.683	0	2147	51	1.6
9578.0	10000	38.5484	95.1923	-547	PL P	2.2	1	8.3	-1	1.0	-1	0.325	1	2.682	1	8.379	0	2147	41	1.6
9577.9	10000	38.5484	95.1914	-548	PL P	2.2	1	8.3	-1	1.0	-1	0.344	1	2.738	1	8.555	0	2142	49	1.6
9577.8	10000	38.5484	95.1905	-548	PL P	2.2	1	8.3	-1	1.0	-1	0.375	1	2.814	1	8.302	0	2111	55	1.6
9577.7	10000	38.5484	95.1896	-548	PL P	2.2	1	8.3	-1	1.0	-1	0.378	1	2.742	1	8.440	0	2064	47	1.6
9577.6	10000	38.5484	95.1887	-548	PL P	2.2	1	8.3	-1	1.0	-1	0.392	1	2.637	1	8.669	0	2033	43	1.6
9577.5	10000	38.5484	95.1878	-548	PL P	2.2	1	8.3	-1	1.0	-1	0.403	1	2.651	1	8.714	0	1998	53	1.6
9577.4	10000	38.5485	95.1869	-549	PK C	2.2	1	8.3	-1	1.0	-1	0.403	1	2.651	1	8.714	0	1998	53	1.6
9577.3	10000	38.5485	95.1860	-549	PK C	2.2	1	8.3	-1	1.0	-1	0.403	1	2.651	1	8.714	0	1998	53	1.6
9577.2	10000	38.5485	95.1851	-549	PK C	2.2	1	8.3	-1	1.0	-1	0.403	1	2.651	1	8.714	0	1998	53	1.6
9577.1	10000	38.5485	95.1842	-549	PK C	2.2	1	8.3	-1	1.0	-1	0.403	1	2.651	1	8.714	0	1998	53	1.6
9577.0	10000	38.5485	95.1833	-549	PK C	2.2	1	8.3	-1	1.0	-1	0.403	1	2.651	1	8.714	0	1998	53	1.6

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9576.9	10000	38.5485	95.1824	-550	PKC	3.7	1	9.2	0	1.1	0	0.406	1	3.372	1	8.310	0	2081	47	1.6
9576.8	10000	38.5485	95.1815	-552	PKC	3.5	1	9.5	0	1.1	0	0.364	0	3.195	0	8.776	0	2094	46	1.6
9576.7	10000	38.5485	95.1805	-552	PKC	3.6	1	9.7	0	1.1	0	0.368	0	3.103	0	8.442	0	2132	56	1.6
9576.6	10000	38.5485	95.1796	-553	PKC	3.8	1	9.7	0	1.2	0	0.392	0	3.236	0	8.266	0	2131	43	1.6
9576.5	10000	38.5485	95.1787	-554	PKC	3.7	1	10.0	1	1.2	0	0.373	0	3.072	0	8.245	0	2120	42	1.6
9576.4	10000	38.5485	95.1778	-555	PKC	3.5	1	9.5	0	1.2	0	0.370	0	2.968	0	8.022	0	2111	33	1.6
9576.3	10000	38.5485	95.1769	-556	PKC	3.4	0	9.4	0	1.2	0	0.367	0	2.886	0	7.854	0	2085	46	1.6
9576.2	10000	38.5485	95.1760	-557	PKC	3.0	0	9.3	0	1.2	0	0.329	0	2.582	-1	7.855	0	2065	53	1.6
9576.1	10000	38.5485	95.1751	-558	PKC	3.1	0	9.0	0	1.2	1	0.346	0	2.549	-1	7.355	-1	2052	48	1.6
9576.0	10000	38.5485	95.1742	-559	QAL	2.9	0	8.7	0	1.2	0	0.335	0	2.351	0	7.013	0	2044	49	1.6
9575.9	10000	38.5485	95.1733	-561	QAL	2.7	-1	8.7	0	1.2	0	0.313	0	2.272	0	7.246	0	2039	37	1.6
9575.8	10000	38.5485	95.1724	-563	QAL	2.8	-1	8.3	-1	1.2	0	0.335	0	2.387	0	7.120	0	2043	50	1.6
9575.7	10000	38.5485	95.1715	-565	QAL	2.9	0	8.9	0	1.2	0	0.325	0	2.523	0	7.774	0	2066	52	1.6
9575.6	10000	38.5485	95.1706	-566	QAL	3.0	0	9.6	0	1.2	0	0.315	0	2.592	0	8.217	0	2095	47	1.6
9575.5	10000	38.5485	95.1697	-566	QAL	3.2	0	9.7	0	1.2	0	0.329	0	2.643	0	8.043	0	2110	38	1.6
9575.4	10000	38.5485	95.1688	-567	QAL	3.1	0	9.9	1	1.2	0	0.315	0	2.548	0	8.094	0	2127	46	1.6
9575.3	10000	38.5485	95.1678	-571	QAL	3.2	0	10.1	1	1.2	0	0.315	0	2.594	0	8.233	0	2144	41	1.6
9575.2	10000	38.5485	95.1669	-573	QAL	3.3	0	10.0	1	1.3	0	0.327	0	2.614	0	7.988	0	2162	51	1.6
9575.1	10000	38.5485	95.1660	-576	QAL	3.4	1	10.5	1	1.3	0	0.326	0	2.742	0	8.415	1	2166	38	1.6
9575.0	10000	38.5485	95.1651	-577	QAL	3.4	1	10.2	1	1.3	0	0.337	0	2.749	0	8.163	0	2145	50	1.6
9574.9	10000	38.5485	95.1642	-578	QAL	3.4	1	10.0	1	1.2	0	0.341	0	2.847	0	8.340	0	2129	52	1.6
9574.8	10000	38.5485	95.1633	-579	QAL	3.4	1	10.1	1	1.2	0	0.334	0	2.886	1	8.629	1	2113	42	1.6
9574.7	10000	38.5485	95.1624	-580	PKC	3.3	0	9.6	0	1.1	0	0.347	0	2.940	0	8.466	0	2078	59	1.6
9574.6	10000	38.5485	95.1615	-582	PKC	3.4	0	9.6	0	1.1	0	0.354	0	3.099	0	8.750	0	2058	58	1.6
9574.5	10000	38.5485	95.1606	-583	PKC	3.3	0	9.5	0	1.1	0	0.343	0	2.932	0	8.553	0	2044	50	1.6
9574.4	10000	38.5485	95.1597	-584	PKC	3.0	-1	9.0	0	1.2	0	0.332	0	2.603	-1	7.831	0	2051	53	1.6
9574.3	10000	38.5485	95.1588	-585	PKC	3.0	0	9.2	0	1.2	0	0.321	0	2.553	-1	7.947	0	2054	46	1.6
9574.2	10000	38.5485	95.1579	-586	PKC	3.1	0	9.4	0	1.2	0	0.299	0	2.349	-1	7.868	0	2061	58	1.6
9574.1	10000	38.5485	95.1570	-587	PKC	3.1	0	9.4	0	1.2	0	0.305	0	2.400	-1	7.869	0	2061	52	1.6
9574.0	10000	38.5485	95.1561	-588	PKC	3.1	0	9.2	0	1.2	0	0.283	0	2.424	-1	8.572	0	2091	57	1.6
9573.9	10000	38.5485	95.1552	-590	PKC	3.0	0	9.1	0	1.2	0	0.280	0	2.419	-1	8.644	0	2099	40	1.6
9573.8	10000	38.5485	95.1543	-591	PKC	3.0	0	10.5	1	1.2	0	0.281	0	2.546	-1	9.076	0	2115	45	1.6
9573.7	10000	38.5485	95.1536	-592	PKC	3.1	0	10.2	1	1.2	0	0.275	0	2.698	-1	9.812	0	2097	51	1.6
9573.6	10000	38.5485	95.1530	-593	PKC	3.1	0	10.1	1	1.2	0	0.269	0	2.749	-1	10.215	0	2096	41	1.6
9573.5	10000	38.5485	95.1524	-594	PKC	3.1	0	10.1	1	1.2	0	0.284	0	2.877	-1	10.120	0	2090	44	1.6
9573.4	10000	38.5485	95.1518	-595	PKC	3.2	0	10.2	1	1.2	0	0.290	0	2.837	-1	10.190	0	2094	41	1.6
9573.3	10000	38.5485	95.1512	-597	PKC	3.2	0	10.1	1	1.2	0	0.272	0	2.839	-1	9.794	0	2106	36	1.6
9573.2	10000	38.5485	95.1506	-598	PKC	3.2	0	10.1	1	1.2	0	0.278	0	2.832	-1	9.667	0	2107	40	1.6
9573.1	10000	38.5485	95.1500	-599	PLP	3.2	0	10.1	1	1.2	0	0.261	0	2.536	-1	9.110	0	2097	51	1.6
9573.0	10000	38.5485	95.1494	-601	PLP	3.2	0	10.1	1	1.2	0	0.267	0	2.589	-1	8.759	0	2105	56	1.6
9572.9	10000	38.5485	95.1488	-603	PLP	3.2	0	10.1	1	1.2	0	0.264	0	2.605	-1	8.253	0	2110	50	1.6
9572.8	10000	38.5485	95.1481	-604	PLP	3.2	0	10.1	1	1.2	0	0.265	0	2.608	-1	8.083	0	2112	53	1.6
9572.7	10000	38.5485	95.1475	-605	PLP	3.2	0	10.1	1	1.2	0	0.281	0	2.717	-1	8.177	0	2111	54	1.6
9572.6	10000	38.5485	95.1469	-607	PLP	3.2	0	10.1	1	1.2	0	0.317	0	2.301	-1	7.897	0	2065	40	1.6
9572.5	10000	38.5485	95.1463	-609	PLP	3.2	0	10.1	1	1.2	0	0.349	0	2.477	-1	7.633	0	2026	45	1.6
9572.4	10000	38.5485	95.1457	-611	PLP	3.2	0	10.1	1	1.2	0	0.347	0	2.550	-1	7.420	0	1972	59	1.6
9572.3	10000	38.5485	95.1451	-612	PLP	3.2	0	10.1	1	1.2	0	0.387	0	2.805	-1	7.091	0	1941	42	1.6
9572.2	10000	38.5485	95.1445	-613	PLP	3.2	0	10.1	1	1.2	0	0.395	0	2.925	-1	7.358	0	1905	38	1.6
9572.1	10000	38.5485	95.1439	-615	PLP	3.2	0	10.1	1	1.2	0	0.424	0	3.053	-1	7.255	0	1885	55	1.6
9572.0	10000	38.5485	95.1433	-615	PLP	3.2	0	10.1	1	1.2	0	0.402	0	2.970	-1	7.183	0	1861	55	1.6
9571.9	10000	38.5485	95.1427	-615	PLP	3.2	0	10.1	1	1.2	0	0.388	0	2.923	-1	7.360	0	1851	55	1.6
9571.8	10000	38.5485	95.1420	-618	PLP	3.2	0	10.1	1	1.2	0	0.409	0	2.679	-1	7.272	0	1844	55	1.6
																6.858	0			
																6.554	0			

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9571.7	10000	38.5485	95.1414	-620	PLP	3.0	-1	7.6	-2	1.1	0	0.390	1	2.598	0	6.660	-1	1868	47	1.5
9571.6	10000	38.5484	95.1408	-622	PLP	2.9	-1	7.6	-2	1.1	0	0.384	1	2.596	0	6.764	-1	1868	55	1.5
9571.5	10000	38.5484	95.1402	-623	PLP	3.1	0	7.9	-2	1.1	0	0.391	1	2.692	0	6.887	-1	1890	40	1.5
9571.4	10000	38.5484	95.1396	-623	PLP	3.0	-1	8.0	-2	1.2	0	0.370	1	2.509	-1	6.776	-1	1888	47	1.5
9571.3	10000	38.5484	95.1390	-624	PLP	3.0	0	8.0	-2	1.2	0	0.376	1	2.604	0	6.932	-1	1904	50	1.5
9571.2	10000	38.5484	95.1384	-625	PLP	3.3	0	8.4	-1	1.2	0	0.394	1	2.764	0	7.021	-1	1932	58	1.5
9571.1	10000	38.5484	95.1378	-625	PLP	3.2	0	8.9	-1	1.2	0	0.356	0	2.652	0	7.451	-1	1959	50	1.5
9571.0	10000	38.5484	95.1372	-626	PLP	3.2	0	9.1	-1	1.2	0	0.350	0	2.589	0	7.397	-1	1987	43	1.5
9570.9	10000	38.5484	95.1366	-627	PLP	3.5	1	9.4	0	1.3	1	0.369	1	2.711	0	7.339	-1	2021	57	1.5
9570.8	10000	38.5484	95.1359	-628	PLP	3.2	0	9.6	0	1.3	1	0.335	0	2.462	-1	7.353	-1	2025	42	1.5
9570.7	10000	38.5484	95.1353	-628	PLP	3.2	0	9.2	0	1.3	1	0.352	0	2.520	-1	7.163	-1	2031	46	1.5
9570.6	10000	38.5484	95.1347	-629	PLP	3.1	0	9.1	-1	1.3	1	0.344	0	2.485	-1	7.220	-1	2024	41	1.5
9570.5	10000	38.5484	95.1341	-630	PLP	3.0	0	9.4	0	1.2	1	0.322	0	2.431	-1	7.557	-1	2005	39	1.5
9570.4	10000	38.5484	95.1335	-631	PLP	3.0	0	9.3	0	1.2	1	0.325	0	2.532	-1	7.800	-1	1970	45	1.5
9570.3	10000	38.5484	95.1329	-632	PLP	3.1	0	9.0	-1	1.1	0	0.342	0	2.787	0	8.155	0	1925	37	1.5
9570.2	10000	38.5484	95.1323	-633	PLP	2.9	-1	9.0	-1	1.1	0	0.325	0	2.728	0	8.392	0	1889	51	1.5
9570.1	10000	38.5484	95.1317	-634	PLP	3.1	0	8.7	-1	1.1	-1	0.352	0	2.889	0	8.217	0	1870	51	1.5
9570.0	10000	38.5484	95.1311	-635	PLP	3.2	0	9.0	-1	1.1	-1	0.360	0	3.074	0	8.532	0	1866	43	1.5
9569.9	10000	38.5484	95.1304	-637	PLP	3.2	0	8.9	-1	1.0	-1	0.367	1	3.135	0	8.551	0	1850	49	1.4
9569.8	10000	38.5484	95.1298	-639	PLP	3.1	0	8.4	-1	1.0	-1	0.376	1	3.128	0	8.315	0	1837	43	1.4
9569.7	10000	38.5484	95.1292	-641	PKC	3.1	0	8.1	-1	1.1	0	0.379	1	2.928	0	7.735	0	1830	51	1.4
9569.6	10000	38.5484	95.1286	-643	PKC	3.0	0	8.1	-1	1.1	0	0.377	1	2.799	0	7.428	-1	1841	46	1.4
9569.5	10000	38.5484	95.1280	-644	PKC	3.0	-1	8.1	-1	1.1	0	0.369	1	2.782	0	7.547	-1	1849	47	1.4
9569.4	10000	38.5484	95.1274	-646	PKC	3.1	0	8.2	-1	1.1	0	0.373	1	2.860	0	7.669	-1	1867	58	1.4
9569.3	10000	38.5484	95.1268	-648	PKC	3.0	-1	8.4	-1	1.1	0	0.355	0	2.728	0	7.682	-1	1889	52	1.4
9569.2	10000	38.5484	95.1262	-649	PKC	2.9	-1	8.6	-1	1.1	0	0.341	0	2.560	-1	7.504	-1	1933	52	1.4
9569.1	10000	38.5484	95.1256	-651	PKC	3.0	0	9.4	0	1.1	0	0.322	0	2.647	0	8.233	0	1984	52	1.4
9569.0	10000	38.5483	95.1250	-653	PKC	3.2	1	10.1	1	1.2	1	0.317	-1	2.722	0	8.584	0	2058	53	1.4
9568.9	10000	38.5483	95.1243	-654	PKC	3.2	1	10.0	1	1.2	1	0.300	-1	2.516	-1	8.382	0	2099	58	1.4
9568.8	10000	38.5483	95.1237	-656	PKC	3.3	1	9.9	1	1.2	1	0.317	-1	2.548	-1	8.170	0	2128	45	1.4
9568.7	10000	38.5483	95.1231	-657	PKC	3.3	1	9.9	1	1.2	1	0.322	-1	2.571	-1	8.357	0	2123	61	1.4
9568.6	10000	38.5483	95.1225	-658	PKC	3.2	1	9.9	1	1.2	1	0.326	-1	2.695	-1	8.732	0	2089	60	1.4
9568.5	10000	38.5483	95.1219	-660	PKC	3.2	1	9.8	1	1.2	1	0.335	-1	2.910	-1	8.989	0	2052	62	1.4
9568.4	10000	38.5483	95.1213	-662	PKC	3.2	1	9.8	1	1.2	1	0.346	-1	2.782	-1	8.541	0	2002	42	1.4
9568.3	10000	38.5483	95.1207	-664	PKC	3.2	1	9.8	1	1.2	1	0.327	-1	2.728	-1	8.137	0	1962	53	1.4
9568.2	10000	38.5483	95.1201	-665	PKC	3.2	1	9.8	1	1.2	1	0.325	-1	2.953	-1	8.529	0	1931	69	1.4
9568.1	10000	38.5483	95.1195	-667	PKC	3.2	1	9.8	1	1.2	1	0.308	-1	2.696	-1	8.239	0	1898	52	1.4
9568.0	10000	38.5483	95.1189	-667	PKC	3.2	1	9.8	1	1.2	1	0.348	-1	2.652	-1	8.164	0	1886	60	1.4
9567.9	10000	38.5483	95.1182	-666	PKC	3.2	1	9.8	1	1.2	1	0.364	-1	2.380	-1	7.717	0	1884	37	1.5
9567.8	10000	38.5483	95.1176	-668	PKC	3.2	1	9.8	1	1.2	1	0.356	-1	2.437	-1	7.902	0	1849	48	1.5
9567.7	10000	38.5483	95.1170	-669	PKC	3.2	1	9.8	1	1.2	1	0.371	-1	2.671	-1	7.677	0	1821	52	1.5
9567.6	10000	38.5483	95.1164	-670	PKC	3.2	1	9.8	1	1.2	1	0.335	-1	2.926	-1	8.035	0	1792	37	1.5
9567.5	10000	38.5483	95.1158	-672	PKC	3.2	1	9.8	1	1.2	1	0.357	-1	2.962	-1	8.321	0	1766	57	1.5
9567.4	10000	38.5483	95.1152	-672	PKC	3.2	1	9.8	1	1.2	1	0.331	-1	2.916	-1	8.662	0	1751	50	1.5
9567.3	10000	38.5483	95.1146	-673	PKC	3.2	1	9.8	1	1.2	1	0.331	-1	2.900	-1	8.652	0	1751	48	1.5
9567.2	10000	38.5483	95.1140	-673	PKC	3.2	1	9.8	1	1.2	1	0.305	-1	2.768	-1	8.817	0	1773	37	1.5
9567.1	10000	38.5483	95.1134	-673	PKC	3.2	1	9.8	1	1.2	1	0.311	-1	2.462	-1	8.368	0	1808	45	1.4
9567.0	10000	38.5483	95.1127	-673	PKC	3.2	1	9.8	1	1.2	1	0.326	-1	2.592	-1	8.084	0	1838	61	1.4
9566.9	10000	38.5483	95.1121	-673	PKC	3.2	1	9.8	1	1.2	1	0.365	-1	2.523	-1	8.336	0	1855	60	1.4
9566.8	10000	38.5483	95.1115	-672	PKC	3.2	1	9.8	1	1.2	1	0.395	-1	2.904	-1	8.976	0	1850	62	1.4
9566.7	10000	38.5483	95.1109	-673	PKC	3.2	1	9.8	1	1.2	1	0.395	-1	3.204	-1	8.991	0	1864	42	1.4
9566.6	10000	38.5483	95.1103	-673	PKC	3.2	1	9.8	1	1.2	1	0.395	-1	3.204	-1	8.101	0	1862	53	1.4

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9566.5	10000	38.5483	95.1097	-673	PKC	3.1	0	8.6	-1	1.1	0	0.363	0	2.962	0	8.151	0	1852	40	1.5
9566.4	10000	38.5483	95.1091	-672	PKC	3.1	0	8.8	0	1.0	-1	0.358	0	3.040	0	8.484	0	1866	46	1.5
9566.3	10000	38.5483	95.1085	-672	PKC	3.2	0	9.1	0	1.0	-1	0.355	0	3.277	0	9.220	1	1887	40	1.5
9566.2	10000	38.5482	95.1079	-673	PKC	3.1	0	9.4	0	1.0	-1	0.331	0	3.020	0	9.119	1	1915	46	1.5
9566.1	10000	38.5482	95.1073	-673	PKC	3.4	0	9.3	0	1.1	0	0.364	0	3.101	0	8.527	0	1971	47	1.5
9566.0	10000	38.5482	95.1066	-673	PKC	3.2	0	9.6	0	1.1	0	0.338	0	2.866	0	8.472	0	2010	43	1.5
9565.9	10000	38.5482	95.1060	-674	PKC	3.3	0	9.6	0	1.1	0	0.339	0	2.837	0	8.368	0	2043	44	1.5
9565.8	10000	38.5482	95.1054	-674	PKC	3.3	0	9.9	0	1.2	0	0.335	0	2.727	0	8.130	0	2084	44	1.5
9565.7	10000	38.5482	95.1048	-674	PKC	3.5	0	9.8	0	1.3	1	0.357	0	2.663	0	7.464	-1	2134	33	1.5
9565.6	10000	38.5482	95.1042	-674	PKC	3.6	1	10.1	1	1.4	1	0.354	0	2.589	-1	7.313	-1	2172	54	1.5
9565.5	10000	38.5482	95.1036	-675	PKC	3.5	1	10.3	1	1.4	1	0.341	0	2.568	-1	7.526	-1	2171	51	1.5
9565.4	10000	38.5482	95.1030	-676	PKC	3.6	1	10.7	1	1.3	1	0.339	0	2.779	0	8.201	0	2156	47	1.6
9565.3	10000	38.5482	95.1024	-678	PKC	3.2	0	10.6	1	1.3	1	0.304	-1	2.582	-1	8.499	0	2119	43	1.6
9565.2	10000	38.5482	95.1018	-679	PKC	3.2	0	10.7	1	1.3	1	0.295	-1	2.486	-1	8.424	0	2079	49	1.6
9565.1	10000	38.5482	95.1012	-681	PKC	3.2	0	10.4	1	1.2	0	0.305	-1	2.617	-1	8.593	0	2044	59	1.6
9565.0	10000	38.5482	95.1005	-683	PKC	3.0	-1	10.4	1	1.1	0	0.289	-1	2.687	0	9.290	1	2003	44	1.6
9564.9	10000	38.5482	95.0999	-684	PKC	3.0	-1	9.7	0	1.0	-1	0.303	-1	2.855	0	9.417	1	1968	50	1.6
9564.8	10000	38.5482	95.0993	-685	PKC	3.1	0	9.1	0	1.0	0	0.336	0	2.934	0	8.729	0	1951	29	1.6
9564.7	10000	38.5482	95.0987	-687	PKC	2.5	-1	9.0	0	1.0	-1	0.281	-1	2.453	-1	8.732	0	1929	51	1.6
9564.6	10000	38.5482	95.0981	-688	PKC	2.7	-1	8.9	0	1.1	0	0.305	-1	2.593	-1	8.474	0	1917	54	1.6
9564.5	10000	38.5482	95.0975	-690	PKC	2.7	-1	8.6	-1	1.0	-1	0.317	-1	2.698	0	8.498	0	1903	46	1.6
9564.4	10000	38.5482	95.0969	-692	PKC	2.9	-1	8.7	-1	1.0	-1	0.336	0	2.983	0	8.877	0	1894	44	1.6
9564.3	10000	38.5482	95.0963	-694	PKC	2.8	-1	8.5	-1	1.0	-1	0.327	0	2.850	0	8.725	0	1875	48	1.6
9564.2	10000	38.5482	95.0957	-696	PKC	2.8	-1	8.9	0	1.0	-1	0.312	-1	2.892	0	9.261	1	1860	43	1.6
9564.1	10000	38.5482	95.0950	-698	PKC	2.7	-1	9.2	0	0.9	-1	0.291	-1	2.859	0	9.827	1	1854	49	1.6
9564.0	10000	38.5482	95.0944	-700	PKC	2.7	-1	9.1	0	1.0	-1	0.301	-1	2.789	0	9.275	1	1861	47	1.6
9563.9	10000	38.5482	95.0938	-702	PKC	2.8	-1	9.0	0	1.0	-1	0.312	-1	2.850	0	9.145	1	1876	44	1.6
9563.8	10000	38.5482	95.0932	-704	PKC	2.9	-1	9.6	0	1.0	-1	0.300	-1	2.785	0	9.289	1	1906	58	1.6
9563.7	10000	38.5482	95.0926	-705	PKC	2.8	-1	9.4	0	1.0	-1	0.296	-1	2.657	0	8.990	1	1917	52	1.6
9563.6	10000	38.5481	95.0920	-708	QAL	2.7	-1	9.5	0	1.0	-1	0.284	-1	2.659	0	9.377	1	1894	60	1.6
9563.5	10000	38.5481	95.0914	-709	QAL	2.6	-1	9.3	0	1.0	-1	0.281	-1	2.548	0	9.074	1	1874	42	1.6
9563.4	10000	38.5481	95.0908	-709	QAL	2.6	-1	9.3	0	1.1	-1	0.295	-1	2.564	0	8.690	1	1846	51	1.6
9563.3	10000	38.5481	95.0902	-710	QAL	2.5	-1	9.3	0	1.1	-1	0.284	-1	2.620	0	9.237	1	1809	51	1.6
9563.2	10000	38.5481	95.0896	-711	QAL	2.4	-1	9.3	0	1.1	-1	0.274	-1	2.577	0	9.397	1	1782	44	1.6
9563.1	10000	38.5481	95.0889	-713	QAL	2.4	-1	9.3	0	1.2	-1	0.290	-1	2.598	0	8.961	1	1756	54	1.6
9563.0	10000	38.5481	95.0883	-715	QAL	2.4	-1	9.3	0	1.3	-1	0.288	-1	2.682	0	9.315	1	1731	54	1.6
9562.9	10000	38.5481	95.0877	-717	QAL	2.6	-1	9.3	0	1.4	-1	0.311	0	2.865	0	9.227	1	1752	55	1.6
9562.8	10000	38.5481	95.0871	-721	QAL	2.4	-1	9.3	0	1.4	-1	0.270	0	2.566	0	9.503	1	1773	44	1.6
9562.7	10000	38.5481	95.0865	-724	QAL	2.3	-1	9.3	0	1.4	-1	0.252	0	2.548	0	9.090	1	1797	50	1.6
9562.6	10000	38.5481	95.0859	-728	QAL	2.6	-1	9.3	0	1.4	-1	0.268	0	2.724	0	10.184	1	1833	41	1.6
9562.5	10000	38.5481	95.0853	-731	QAL	2.6	-1	9.3	0	1.4	-1	0.248	0	2.678	0	10.804	1	1880	54	1.6
9562.4	10000	38.5481	95.0847	-734	QAL	2.6	-1	9.3	0	1.4	-1	0.258	0	2.026	0	11.747	1	1910	49	1.6
9562.3	10000	38.5481	95.0841	-737	QAL	2.6	-1	9.3	0	1.4	-1	0.259	0	2.945	0	11.358	1	1948	43	1.6
9562.2	10000	38.5481	95.0835	-740	QAL	2.6	-1	9.3	0	1.4	-1	0.265	0	3.021	0	11.387	1	1982	33	1.6
9562.1	10000	38.5481	95.0829	-743	QAL	2.6	-1	9.3	0	1.4	-1	0.279	0	3.658	0	11.775	1	2005	46	1.6
9562.0	10000	38.5481	95.0822	-747	QAL	2.6	-1	9.3	0	1.4	-1	0.336	0	3.640	0	10.674	1	2022	36	1.6
9561.9	10000	38.5481	95.0816	-751	QAL	2.6	-1	9.3	0	1.4	-1	0.355	0	3.530	0	9.793	1	2027	50	1.6
9561.8	10000	38.5481	95.0810	-755	QAL	2.6	-1	9.3	0	1.4	-1	0.362	0	3.327	0	9.378	1	2012	56	1.6
9561.7	10000	38.5481	95.0804	-758	QAL	2.6	-1	9.3	0	1.4	-1	0.360	0	3.051	0	8.426	1	2009	45	1.6
9561.6	10000	38.5481	95.0798	-762	QAL	2.6	-1	9.3	0	1.4	-1	0.349	0	3.108	0	8.625	1	2004	60	1.6
9561.5	10000	38.5481	95.0792	-767	QAL	2.6	-1	9.3	0	1.4	-1	0.283	0	2.874	0	8.241	1	1987	55	1.6
9561.4	10000	38.5481	95.0786	-771	QAL	2.9	-1	10.1	1	1.4	-1	0.287	0	2.429	0	8.592	1	1992	50	1.6

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9561.3	10000	38.5481	95.0780	-775	QAL	2.9	0	10.1	1	1.2	0	0.289	-1	2.434	0	8.425	1	2011	49	1.6
9561.2	10000	38.5481	95.0774	-778	QAL	2.9	0	10.0	1	1.2	0	0.285	-1	2.421	0	8.488	1	2024	62	1.6
9561.1	10000	38.5480	95.0768	-782	QAL	3.0	0	9.8	0	1.2	0	0.305	0	2.508	0	8.235	0	2038	54	1.6
9561.0	10000	38.5480	95.0761	-786	QAL	2.8	0	10.1	1	1.2	0	0.279	-1	2.414	0	8.663	1	2044	59	1.6
9560.9	10000	38.5480	95.0755	-790	QAL	2.6	-1	9.9	1	1.1	0	0.261	-1	2.260	0	8.675	1	2048	53	1.6
9560.8	10000	38.5480	95.0749	-794	QAL	2.7	-1	9.9	1	1.1	0	0.277	-1	2.425	0	8.751	1	2055	42	1.6
9560.7	10000	38.5480	95.0743	-797	QAL	2.8	0	9.6	0	1.1	-1	0.294	-1	2.570	0	8.748	1	2035	45	1.6
9560.6	10000	38.5480	95.0737	-800	QAL	2.8	-1	9.5	0	1.1	-1	0.292	-1	2.530	0	8.675	1	2004	56	1.6
9560.5	10000	38.5480	95.0731	-802	QAL	2.9	0	9.7	0	1.1	-1	0.297	-1	2.603	0	8.755	1	1993	46	1.6
9560.4	10000	38.5480	95.0725	-800	QAL	3.0	0	9.5	0	1.1	-1	0.311	0	2.803	0	9.012	1	1994	47	1.6
9560.3	10000	38.5480	95.0719	-799	QAL	3.2	0	9.5	0	1.1	-1	0.340	0	2.922	1	8.589	1	2007	44	1.6
9560.2	10000	38.5480	95.0713	-806	QAL	3.1	0	9.5	0	1.2	0	0.324	0	2.666	0	8.217	0	2006	43	1.6
9560.1	10000	38.5480	95.0706	-813	QAL	2.9	0	9.4	0	1.2	0	0.312	0	2.448	0	7.843	0	2011	40	1.5
9560.0	10000	38.5480	95.0700	-817	QAL	2.9	0	9.5	0	1.3	0	0.309	0	2.331	0	7.554	0	2039	43	1.5
9559.9	10000	38.5480	95.0694	-818	QAL	2.9	0	9.6	0	1.3	0	0.307	0	2.201	-1	7.172	0	2082	54	1.5
9559.8	10000	38.5480	95.0688	-818	QAL	2.9	0	9.8	0	1.4	0	0.301	-1	2.138	-1	7.091	0	2097	53	1.5
9559.7	10000	38.5480	95.0682	-817	QAL	2.8	0	10.2	1	1.5	1	0.279	-1	1.914	-1	6.854	0	2118	55	1.5
9559.6	10000	38.5480	95.0676	-816	QAL	2.9	0	10.0	1	1.4	1	0.291	-1	2.027	-1	6.977	0	2121	47	1.5
9559.5	10000	38.5480	95.0670	-815	QAL	3.1	0	10.0	1	1.4	1	0.308	0	2.127	-1	6.896	0	2136	49	1.5
9559.4	10000	38.5480	95.0664	-811	QAL	3.2	0	10.0	1	1.4	1	0.317	0	2.204	-1	6.953	0	2143	51	1.5
9559.3	10000	38.5480	95.0658	-807	QAL	3.1	0	10.0	1	1.4	1	0.305	0	2.156	-1	7.065	0	2135	55	1.5
9559.2	10000	38.5480	95.0652	-807	QAL	3.0	0	10.1	1	1.4	1	0.295	-1	2.121	-1	7.190	0	2135	46	1.5
9559.1	10000	38.5480	95.0645	-808	QAL	2.7	-1	10.0	1	1.4	1	0.271	-1	1.889	-1	6.971	0	2132	46	1.5
9559.0	10000	38.5480	95.0639	-806	QAL	2.7	-1	9.9	0	1.4	1	0.279	-1	1.911	-1	6.861	0	2122	53	1.5
9558.9	10000	38.5480	95.0633	-805	QAL	2.4	-1	9.9	1	1.5	1	0.242	-1	1.627	-1	6.714	-1	2124	47	1.5
9558.8	10000	38.5480	95.0627	-803	QAL	2.4	-1	9.9	1	1.5	1	0.243	-1	1.585	-2	6.526	-1	2125	57	1.5
9558.7	10000	38.5480	95.0621	-799	QAL	2.4	-1	9.9	1	1.5	1	0.233	-1	1.528	-1	6.548	-1	2120	48	1.4
9558.6	10000	38.5480	95.0615	-796	QAL	2.4	-1	9.9	1	1.5	1	0.247	-1	1.603	-1	6.485	-1	2114	52	1.4
9558.5	10000	38.5480	95.0609	-793	QAL	2.5	-1	10.0	1	1.5	1	0.257	-1	1.670	-1	6.495	-1	2068	44	1.4
9558.4	10000	38.5479	95.0603	-790	PKC	2.6	-1	9.9	1	1.4	1	0.269	-1	1.833	-2	6.806	-1	2025	37	1.4
9558.3	10000	38.5479	95.0597	-787	PKC	2.8	-1	9.9	1	1.4	1	0.292	-1	2.051	-1	7.030	-1	1970	47	1.4
9558.2	10000	38.5479	95.0591	-788	PKC	2.8	-1	9.9	1	1.4	1	0.315	-1	2.299	-1	7.299	-1	1911	39	1.4
9558.1	10000	38.5479	95.0584	-790	PKC	2.8	-1	9.9	1	1.4	1	0.312	-1	2.495	-1	8.000	-1	1866	51	1.4
9558.0	10000	38.5479	95.0578	-791	PKC	2.8	-1	9.9	1	1.4	1	0.310	-1	2.473	-1	7.990	-1	1829	43	1.4
9557.9	10000	38.5479	95.0572	-791	PKC	2.8	-1	9.9	1	1.4	1	0.335	0	2.686	-1	8.028	-1	1819	48	1.4
9557.8	10000	38.5479	95.0566	-791	PKC	2.8	-1	9.9	1	1.4	1	0.346	0	2.721	-1	7.872	-1	1817	49	1.4
9557.7	10000	38.5479	95.0560	-790	PKC	2.8	-1	9.9	1	1.4	1	0.350	0	2.662	-1	7.610	-1	1810	58	1.4
9557.6	10000	38.5479	95.0554	-789	PKC	2.8	-1	9.9	1	1.4	1	0.328	0	2.462	-1	7.494	-1	1814	57	1.4
9557.5	10000	38.5479	95.0548	-788	PKC	2.8	-1	9.9	1	1.4	1	0.287	0	2.234	-1	7.772	-1	1833	42	1.3
9557.4	10000	38.5479	95.0542	-787	PKC	2.8	-1	9.9	1	1.4	1	0.313	0	2.431	-1	7.776	-1	1848	39	1.3
9557.3	10000	38.5479	95.0536	-786	PKC	2.8	-1	9.9	1	1.4	1	0.309	0	2.426	-1	7.862	-1	1866	55	1.3
9557.2	10000	38.5479	95.0529	-785	PKC	2.8	-1	9.9	1	1.4	1	0.260	0	1.972	-1	7.584	-1	1867	56	1.3
9557.1	10000	38.5479	95.0523	-785	PKC	2.8	-1	9.9	1	1.4	1	0.239	0	1.901	-2	7.961	-1	1876	47	1.3
9557.0	10000	38.5479	95.0517	-785	PKC	2.8	-1	9.9	1	1.4	1	0.254	0	2.031	-1	8.001	-1	1903	47	1.3
9556.9	10000	38.5479	95.0511	-785	PKC	2.8	-1	9.9	1	1.4	1	0.245	0	2.079	-1	8.494	-1	1932	39	1.3
9556.8	10000	38.5479	95.0505	-785	PKC	2.8	-1	9.9	1	1.4	1	0.245	0	2.049	-2	8.362	-1	1927	44	1.3
9556.7	10000	38.5479	95.0499	-786	PKC	2.8	-1	9.9	1	1.4	1	0.245	0	2.079	-1	8.524	-1	1907	50	1.3
9556.6	10000	38.5479	95.0493	-787	PKC	2.8	-1	9.9	1	1.4	1	0.245	0	2.049	-2	8.867	-1	1881	42	1.3
9556.5	10000	38.5479	95.0487	-788	PKC	2.8	-1	9.9	1	1.4	1	0.245	0	2.079	-1	8.681	-1	1858	52	1.3
9556.4	10000	38.5479	95.0481	-788	PKC	2.8	-1	9.9	1	1.4	1	0.245	0	2.049	-2	8.417	-1	1824	46	1.3
9556.3	10000	38.5479	95.0475	-788	PKC	2.8	-1	9.9	1	1.4	1	0.245	0	2.079	-1	8.507	-1	1803	55	1.3
9556.2	10000	38.5479	95.0468	-788	PKC	2.8	-1	9.9	1	1.4	1	0.245	0	2.049	-2	8.204	-1	1802	49	1.3

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9556.1	10000	38.5479	95.0462	-788	PKC	2.8	-1	9.3	0	0.9	-1	0.296	-1	2.971	0	10.028	1	1838	45	1.3
9556.0	10000	38.5479	95.0456	-790	PKC	3.0	-1	9.7	0	1.0	-1	0.307	-1	3.122	0	10.175	1	1871	62	1.2
9555.9	10000	38.5478	95.0450	-793	PKC	3.2	0	10.1	1	1.0	-1	0.314	-1	3.224	0	10.269	2	1909	46	1.2
9555.8	10000	38.5478	95.0444	-795	PKC	3.1	0	10.4	1	1.0	-1	0.299	-1	3.015	0	10.090	1	1935	43	1.2
9555.7	10000	38.5478	95.0438	-795	PKC	3.0	-1	10.4	1	1.1	0	0.284	-1	2.684	0	9.446	1	1947	57	1.2
9555.6	10000	38.5478	95.0432	-795	PKC	2.9	-1	10.6	1	1.1	0	0.271	-1	2.710	0	9.995	1	1951	44	1.2
9555.5	10000	38.5478	95.0426	-795	PKC	2.7	-1	10.6	1	1.0	-1	0.256	-1	2.671	0	10.449	2	1930	56	1.2
9555.4	10000	38.5478	95.0420	-798	PKC	2.7	-1	10.6	1	1.0	-1	0.252	-1	2.730	0	10.851	2	1899	51	1.2
9555.3	10000	38.5478	95.0414	-800	PKC	2.5	-1	9.9	1	1.0	-1	0.254	-1	2.585	-1	10.159	1	1868	60	1.2
9555.2	10000	38.5478	95.0407	-801	PKC	2.5	-1	9.3	0	1.0	-1	0.264	-1	2.502	-1	9.408	1	1848	38	1.2
9555.1	10000	38.5478	95.0401	-803	PKC	2.6	-1	9.0	0	1.0	-1	0.289	-1	2.544	-1	8.794	0	1850	34	1.2
9555.0	10000	38.5478	95.0395	-804	PKC	2.7	-1	9.0	0	1.0	-1	0.298	-1	2.582	-1	8.664	0	1874	43	1.2
9554.9	10000	38.5478	95.0389	-805	PKC	2.8	-1	8.8	0	1.1	0	0.316	-1	2.575	-1	8.153	0	1886	52	1.2
9554.8	10000	38.5478	95.0383	-805	PKC	3.1	0	8.5	-1	1.1	0	0.359	0	2.789	0	7.760	0	1890	44	1.2
9554.7	10000	38.5478	95.0377	-806	PKC	3.2	0	8.2	-1	1.2	0	0.395	0	2.806	0	7.112	-1	1896	47	1.2
9554.6	10000	38.5478	95.0371	-807	PKC	3.5	0	8.3	-1	1.1	0	0.422	1	3.092	0	7.321	-1	1893	39	1.2
9554.5	10000	38.5478	95.0365	-808	PKC	3.5	0	8.5	-1	1.1	0	0.414	1	3.224	0	7.787	0	1874	46	1.2
9554.4	10000	38.5478	95.0359	-810	PKC	3.7	0	8.4	-1	1.0	-1	0.433	1	3.621	1	8.368	0	1843	52	1.2
9554.3	10000	38.5478	95.0352	-811	PKC	3.5	0	8.4	-1	1.0	-1	0.420	1	3.622	1	8.620	0	1820	44	1.2
9554.2	10000	38.5478	95.0346	-812	PKC	3.4	0	8.9	0	1.0	-1	0.380	1	3.519	1	9.264	1	1797	47	1.2
9554.1	10000	38.5478	95.0340	-814	PKC	3.3	0	8.8	0	1.0	-1	0.371	1	3.285	0	8.857	0	1788	61	1.2
9554.0	10000	38.5478	95.0334	-816	PKC	3.2	0	8.8	0	1.0	-1	0.342	0	3.052	0	8.935	0	1775	59	1.2
9553.9	10000	38.5478	95.0328	-818	PKC	2.8	-1	8.7	0	1.0	-1	0.317	-1	2.716	0	8.578	0	1772	46	1.2
9553.8	10000	38.5478	95.0322	-820	PKC	2.8	-1	9.0	0	1.1	0	0.315	-1	2.655	0	8.432	0	1794	44	1.2
9553.7	10000	38.5477	95.0316	-822	PKC	2.5	-1	9.4	1	1.2	0	0.270	-1	2.201	-1	8.151	0	1832	47	1.1
9553.6	10000	38.5477	95.0310	-823	PKC	2.7	-1	9.5	1	1.2	0	0.286	-1	2.227	-1	7.781	0	1884	49	1.1
9553.5	10000	38.5477	95.0304	-826	PKC	3.2	0	9.5	1	1.3	1	0.337	0	2.433	-1	7.223	-1	1954	38	1.1
9553.4	10000	38.5477	95.0298	-828	PKC	3.3	0	9.7	1	1.3	1	0.336	0	2.467	-1	7.340	-1	1991	54	1.1
9553.3	10000	38.5477	95.0291	-830	PKC	3.2	0	10.2	1	1.3	1	0.310	-1	2.394	-1	7.727	0	2032	33	1.1
9553.2	10000	38.5477	95.0285	-833	PKC	3.4	0	10.2	1	1.3	1	0.320	-1	2.511	-1	7.847	0	2048	56	1.1
9553.1	10000	38.5477	95.0279	-835	PKC	3.4	0	10.0	1	1.3	1	0.329	-1	2.598	-1	7.896	0	2039	60	1.1
9553.0	10000	38.5477	95.0273	-838	PKC	3.4	0	9.9	1	1.3	1	0.328	-1	2.818	-1	8.310	0	2000	49	1.1
9552.9	10000	38.5477	95.0267	-838	PKC	3.2	0	9.9	1	1.3	2	0.272	-1	2.828	-1	8.633	0	1953	63	1.1
9552.8	10000	38.5477	95.0261	-838	PKC	3.2	0	9.9	1	1.3	1	0.264	-1	2.438	-1	8.964	0	1911	49	1.1
9552.7	10000	38.5477	95.0254	-841	PKC	3.2	0	9.9	1	1.3	1	0.294	-1	2.474	-1	8.379	0	1890	45	1.1
9552.6	10000	38.5477	95.0247	-843	PKC	3.2	0	9.9	1	1.3	1	0.272	-1	2.790	-1	8.499	0	1844	36	1.1
9552.5	10000	38.5477	95.0240	-844	PKC	3.2	0	9.9	1	1.3	1	0.249	-1	2.532	-1	8.317	0	1834	41	1.1
9552.4	10000	38.5477	95.0232	-846	PKC	3.2	0	9.9	1	1.3	1	0.249	-1	2.347	-1	8.442	0	1838	43	1.1
9552.3	10000	38.5477	95.0225	-847	PKC	3.2	0	9.9	1	1.3	1	0.268	-1	2.227	-1	8.928	0	1855	69	1.1
9552.2	10000	38.5477	95.0218	-847	PKC	3.2	0	9.9	1	1.3	1	0.337	-1	2.319	-1	9.659	0	1875	52	1.1
9552.1	10000	38.5477	95.0211	-848	PKC	3.2	0	9.9	1	1.3	1	0.336	-1	2.943	-1	9.739	0	1874	60	1.1
9552.0	10000	38.5477	95.0204	-848	PKC	3.2	0	9.9	1	1.3	1	0.325	-1	2.995	-1	9.918	0	1874	58	1.1
9551.9	10000	38.5476	95.0197	-848	PKC	3.2	0	9.9	1	1.3	1	0.316	0	3.047	0	9.383	0	1891	39	1.1
9551.8	10000	38.5476	95.0190	-847	PKC	3.2	0	9.9	1	1.3	1	0.326	0	3.199	0	9.112	0	1900	53	1.1
9551.7	10000	38.5476	95.0183	-847	PKC	3.2	0	9.9	1	1.3	1	0.313	0	3.175	0	9.731	1	1900	51	1.1
9551.6	10000	38.5476	95.0176	-847	PKC	3.2	0	9.9	1	1.3	1	0.280	0	3.048	0	9.670	0	1900	58	1.1
9551.5	10000	38.5476	95.0168	-846	PKC	3.2	0	9.9	1	1.3	1	0.276	0	3.156	0	9.088	0	1901	54	1.1
9551.4	10000	38.5476	95.0161	-846	PKC	3.2	0	9.9	1	1.3	1	0.289	0	3.804	0	9.030	0	1928	45	1.1
9551.3	10000	38.5476	95.0154	-845	PKC	3.2	0	9.9	1	1.3	1	0.288	0	3.425	0	9.548	0	1956	43	1.1
9551.2	10000	38.5476	95.0147	-845	PKC	3.2	0	9.9	1	1.3	1	0.316	0	3.720	0	9.395	0	1979	45	1.1
9551.1	10000	38.5476	95.0140	-845	PKC	3.2	0	9.9	1	1.3	1	0.323	0	3.567	-1	9.299	0	1998	44	1.1
9551.0	10000	38.5476	95.0133	-844	PKC	3.2	0	9.9	1	1.3	1	0.317	0	3.567	-1	9.117	0	2010	56	1.1

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9550.9	10000	38.5476	95.0126	-843	PKC	3.5	0	9.9	0	1.2	1	0.357	0	2.872	0	8.038	0	2020	50	1.1
9550.8	10000	38.5476	95.0119	-843	PKC	3.4	0	9.8	0	1.2	1	0.348	0	2.775	0	7.965	0	2026	54	1.1
9550.7	10000	38.5476	95.0112	-843	PKC	3.4	0	9.4	0	1.2	0	0.358	0	2.758	0	7.703	-1	1985	43	1.1
9550.6	10000	38.5476	95.0105	-842	PKC	3.4	0	9.0	0	1.2	0	0.383	0	2.805	0	7.332	-1	1953	50	1.1
9550.5	10000	38.5476	95.0097	-842	PKC	3.3	0	8.8	0	1.1	0	0.382	0	2.927	0	7.664	-1	1928	44	1.1
9550.4	10000	38.5475	95.0090	-842	PKC	3.2	0	8.7	0	1.1	0	0.367	0	2.850	0	7.773	0	1910	35	1.1
9550.3	10000	38.5475	95.0083	-842	PKC	3.4	0	8.8	0	1.1	0	0.382	0	3.191	0	8.351	0	1913	52	1.1
9550.2	10000	38.5475	95.0076	-842	PKC	3.3	0	9.2	0	1.1	0	0.361	0	3.143	0	8.713	0	1910	43	1.1
9550.1	10000	38.5475	95.0069	-842	PKC	3.2	0	9.2	0	1.1	0	0.350	0	3.000	0	8.576	0	1911	51	1.1
9550.0	10000	38.5475	95.0062	-841	PKC	3.1	0	9.4	0	1.1	0	0.335	0	2.951	0	8.807	0	1936	49	1.1
9549.9	10000	38.5475	95.0055	-840	PKC	3.2	0	9.6	0	1.1	0	0.331	0	2.929	0	8.860	0	1956	52	1.1
9549.8	10000	38.5475	95.0048	-839	PKC	3.1	0	9.2	0	1.1	0	0.333	0	2.825	0	8.471	0	1939	50	1.1
9549.7	10000	38.5475	95.0040	-838	PKC	3.0	-1	9.3	0	1.1	0	0.323	0	2.708	0	8.387	0	1939	43	1.1
9549.6	10000	38.5475	95.0033	-840	PKC	3.1	0	9.1	0	1.1	0	0.339	0	2.773	0	8.177	0	1933	45	1.1
9549.5	10000	38.5475	95.0026	-843	PKC	2.9	-1	9.0	0	1.1	0	0.317	-1	2.627	-1	8.276	0	1926	49	1.1
9549.4	10000	38.5475	95.0019	-844	PKC	3.0	-1	8.9	0	1.1	0	0.339	0	2.827	0	8.346	0	1908	45	1.1
9549.3	10000	38.5475	95.0012	-844	PKC	3.1	0	8.9	0	1.0	-1	0.343	0	2.947	0	8.579	0	1883	42	1.1
9549.2	10000	38.5475	95.0005	-844	PKC	3.1	0	8.8	0	1.0	-1	0.350	0	3.053	0	8.731	0	1862	51	1.1
9549.1	10000	38.5475	94.9998	-845	PKC	3.2	0	9.2	0	1.0	-1	0.343	0	3.042	0	8.864	0	1869	41	1.1
9549.0	10000	38.5475	94.9991	-845	PKC	3.4	0	8.7	0	1.0	-1	0.385	0	3.293	0	8.556	0	1874	51	1.1
9548.9	10000	38.5474	94.9984	-845	PKC	3.3	-1	8.7	0	1.0	-1	0.383	0	3.182	0	8.314	0	1887	48	1.1
9548.8	10000	38.5474	94.9977	-846	PKC	3.3	0	8.7	0	1.1	0	0.377	0	2.993	0	7.947	0	1907	58	1.1
9548.7	10000	38.5474	94.9969	-846	PKC	3.3	0	8.9	0	1.1	0	0.375	0	2.911	0	7.770	0	1947	42	1.1
9548.6	10000	38.5474	94.9962	-846	PKC	3.4	0	9.0	0	1.2	0	0.376	0	2.771	0	7.376	-1	1995	55	1.1
9548.5	10000	38.5474	94.9955	-846	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.609	-1	7.280	-1	2028	47	1.1
9548.4	10000	38.5474	94.9948	-845	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	7.489	-1	2053	54	1.1
9548.3	10000	38.5474	94.9941	-845	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	7.560	-1	2053	44	1.1
9548.2	10000	38.5474	94.9934	-845	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	7.912	-1	2025	43	1.1
9548.1	10000	38.5474	94.9927	-844	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	7.493	-1	2007	44	1.1
9548.0	10000	38.5474	94.9920	-843	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	7.727	-1	1968	44	1.1
9547.9	10000	38.5474	94.9912	-841	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	8.663	0	1922	55	1.1
9547.8	10000	38.5474	94.9905	-841	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	8.156	0	1877	44	1.1
9547.7	10000	38.5474	94.9898	-841	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	9.546	0	1871	51	1.1
9547.6	10000	38.5473	94.9891	-840	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	9.819	0	1860	54	1.1
9547.5	10000	38.5473	94.9884	-839	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	9.995	0	1879	47	1.1
9547.4	10000	38.5473	94.9877	-839	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	9.574	0	1892	50	1.1
9547.3	10000	38.5473	94.9870	-839	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	9.528	0	1902	47	1.1
9547.2	10000	38.5473	94.9863	-837	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	9.126	0	1905	40	1.1
9547.1	10000	38.5473	94.9855	-837	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	8.693	0	1913	40	1.1
9547.0	10000	38.5473	94.9848	-836	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	8.155	0	1906	55	1.1
9546.9	10000	38.5473	94.9841	-836	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	7.890	0	1920	53	1.1
9546.8	10000	38.5473	94.9834	-836	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	7.439	0	1929	48	1.1
9546.7	10000	38.5473	94.9827	-835	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	7.690	0	1945	50	1.1
9546.6	10000	38.5473	94.9820	-836	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	7.553	0	1978	47	1.1
9546.5	10000	38.5473	94.9813	-836	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	7.821	0	1997	51	1.1
9546.4	10000	38.5473	94.9806	-836	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	7.885	0	2030	51	1.1
9546.3	10000	38.5473	94.9799	-842	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	7.859	0	2050	41	1.1
9546.2	10000	38.5473	94.9792	-842	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	8.010	0	2061	47	1.1
9546.1	10000	38.5472	94.9784	-842	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	8.094	0	2073	51	1.1
9546.0	10000	38.5472	94.9777	-843	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	7.978	0	2059	43	1.1
9545.9	10000	38.5472	94.9770	-845	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	7.968	0	2047	42	1.1
9545.8	10000	38.5472	94.9763	-846	PKC	3.2	0	8.9	0	1.2	1	0.358	0	2.678	-1	8.207	0	2048	42	1.1

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9545.7	10000	38.5472	94.9756	-847	PKC	3.1	0	10.0	1	1.2	0	0.310	-1	2.607	-1	8.407	0	2031	62	1.2
9545.6	10000	38.5472	94.9749	-848	PKC	3.3	0	10.1	1	1.2	0	0.326	0	2.858	0	8.773	0	2019	50	1.2
9545.5	10000	38.5472	94.9742	-849	PKC	3.5	0	9.9	0	1.2	0	0.351	0	2.993	0	8.525	0	2013	61	1.2
9545.4	10000	38.5472	94.9735	-850	PKC	3.2	0	10.2	1	1.2	0	0.316	-1	2.747	0	8.689	0	1992	47	1.2
9545.3	10000	38.5472	94.9728	-851	PKC	3.3	0	10.3	1	1.2	0	0.321	0	2.846	0	8.858	0	1996	58	1.2
9545.2	10000	38.5472	94.9720	-853	PKC	3.6	0	10.5	1	1.1	0	0.341	0	3.182	0	9.333	1	1983	44	1.3
9545.1	10000	38.5472	94.9713	-854	PKC	3.6	1	10.0	1	1.1	0	0.364	0	3.430	1	9.116	1	1972	48	1.3
9545.0	10000	38.5472	94.9706	-854	PKC	3.5	0	10.5	1	1.1	0	0.336	0	3.332	1	9.920	1	1987	49	1.3
9544.9	10000	38.5472	94.9699	-855	PKC	3.4	0	10.6	1	1.1	0	0.318	-1	3.172	0	9.974	1	1985	51	1.3
9544.8	10000	38.5471	94.9692	-855	PKC	3.1	0	11.0	1	1.0	-1	0.281	-1	2.959	0	10.526	2	1992	42	1.3
9544.7	10000	38.5471	94.9685	-855	PKC	3.2	0	10.7	1	1.0	-1	0.296	-1	3.042	0	10.263	2	2008	55	1.3
9544.6	10000	38.5471	94.9678	-855	PKC	3.1	0	10.5	1	1.0	-1	0.296	-1	3.077	0	10.384	2	2006	53	1.3
9544.5	10000	38.5471	94.9671	-857	PKC	3.1	0	10.2	1	1.0	-1	0.303	-1	3.016	0	9.946	1	2012	49	1.3
9544.4	10000	38.5471	94.9664	-858	PKC	3.0	0	10.2	1	1.1	0	0.299	-1	2.885	0	9.636	1	2022	54	1.3
9544.3	10000	38.5471	94.9657	-860	PKC	3.0	-1	9.6	0	1.0	-1	0.310	-1	2.870	0	9.258	1	1989	51	1.3
9544.2	10000	38.5471	94.9649	-862	PKC	3.2	0	9.5	0	1.0	-1	0.332	0	3.041	0	9.164	1	1975	58	1.3
9544.1	10000	38.5471	94.9642	-865	PKC	3.4	0	9.2	0	1.0	-1	0.371	0	3.359	1	9.051	1	1951	37	1.3
9544.0	10000	38.5471	94.9635	-867	PKC	3.4	0	9.1	0	1.0	-1	0.379	0	3.376	1	8.909	1	1929	42	1.3
9543.9	10000	38.5471	94.9628	-869	PKC	3.3	0	9.2	0	1.1	0	0.358	0	3.093	0	8.631	0	1922	44	1.3
9543.8	10000	38.5471	94.9621	-870	PKC	3.0	-1	9.3	0	1.1	0	0.321	0	2.799	0	8.714	0	1914	55	1.4
9543.7	10000	38.5471	94.9614	-872	PKC	2.9	-1	9.2	0	1.1	0	0.318	-1	2.764	0	8.689	0	1903	45	1.4
9543.6	10000	38.5471	94.9607	-873	PKC	3.3	0	9.3	0	1.1	0	0.348	0	3.004	0	8.628	0	1932	37	1.4
9543.5	10000	38.5471	94.9600	-875	PKC	3.1	0	9.5	0	1.1	0	0.327	0	2.765	0	8.463	0	1954	49	1.4
9543.4	10000	38.5470	94.9592	-876	PKC	3.2	0	9.3	0	1.1	0	0.341	0	2.784	0	8.157	0	1965	45	1.4
9543.3	10000	38.5470	94.9585	-878	PKC	3.1	0	9.9	0	1.1	0	0.308	-1	2.732	0	8.858	0	1975	48	1.4
9543.2	10000	38.5470	94.9578	-879	PKC	3.1	0	9.8	0	1.1	0	0.320	0	2.741	0	8.557	0	1971	42	1.4
9543.1	10000	38.5470	94.9571	-880	PKC	3.1	0	10.0	1	1.2	0	0.313	-1	2.600	-1	8.311	0	1983	66	1.4
9543.0	10000	38.5470	94.9564	-881	PKC	3.0	-1	10.1	1	1.2	1	0.293	-1	2.419	-1	8.265	0	1990	51	1.4
9542.9	10000	38.5470	94.9557	-882	PKC	2.9	-1	10.4	1	1.3	1	0.275	-1	2.259	-1	8.225	0	1989	42	1.4
9542.8	10000	38.5470	94.9550	-883	PKC	2.9	-1	10.4	1	1.3	1	0.275	-1	2.259	-1	8.225	0	1994	38	1.4
9542.7	10000	38.5470	94.9543	-886	PKC	3.0	-1	10.4	1	1.3	1	0.287	-1	2.408	-1	8.387	0	1989	56	1.4
9542.6	10000	38.5470	94.9536	-888	PKC	3.0	-1	10.4	1	1.3	1	0.276	-1	2.361	-1	8.554	0	1983	56	1.5
9542.5	10000	38.5470	94.9529	-890	PKC	3.0	-1	10.4	1	1.3	1	0.276	-1	2.284	-1	8.285	0	1986	37	1.5
9542.4	10000	38.5470	94.9521	-892	PKC	3.0	-1	10.4	1	1.3	1	0.277	-1	2.227	-1	8.051	0	1982	44	1.5
9542.3	10000	38.5470	94.9514	-894	PKC	3.0	-1	10.4	1	1.3	1	0.309	-1	2.464	-1	7.982	0	1991	46	1.5
9542.2	10000	38.5470	94.9507	-896	PKC	3.0	-1	10.4	1	1.3	1	0.323	-1	2.563	-1	7.936	0	2010	48	1.5
9542.1	10000	38.5470	94.9500	-897	PKC	3.0	-1	10.4	1	1.3	1	0.361	-1	2.690	-1	7.442	0	2028	49	1.5
9542.0	10000	38.5470	94.9493	-898	PKC	3.0	-1	10.4	1	1.3	1	0.359	-1	2.655	-1	7.400	0	2062	62	1.5
9541.9	10000	38.5469	94.9486	-899	PKC	3.0	-1	10.4	1	1.3	1	0.371	-1	2.644	-1	7.134	0	2097	42	1.5
9541.8	10000	38.5469	94.9479	-901	PKC	3.0	-1	10.4	1	1.3	1	0.376	-1	2.632	-1	6.998	0	2135	37	1.5
9541.7	10000	38.5469	94.9472	-902	PKC	3.0	-1	10.4	1	1.3	1	0.388	-1	2.801	-1	7.224	0	2155	39	1.5
9541.6	10000	38.5469	94.9464	-904	PKC	3.0	-1	10.4	1	1.3	1	0.373	-1	2.702	-1	7.265	0	2171	52	1.5
9541.5	10000	38.5469	94.9457	-906	PKC	3.0	-1	10.4	1	1.3	1	0.404	-1	2.888	-1	7.485	0	2167	39	1.5
9541.4	10000	38.5469	94.9450	-907	PKC	3.0	-1	10.4	1	1.3	1	0.367	-1	2.621	-1	7.147	0	2149	42	1.5
9541.3	10000	38.5469	94.9443	-908	PKC	3.0	-1	10.4	1	1.3	1	0.372	-1	2.654	-1	7.196	0	2136	47	1.5
9541.2	10000	38.5469	94.9436	-909	PKC	3.0	-1	10.4	1	1.3	1	0.372	-1	2.659	-1	7.212	0	2113	31	1.5
9541.1	10000	38.5469	94.9429	-911	PKC	3.0	-1	10.4	1	1.3	1	0.372	-1	2.659	-1	7.212	0	2095	49	1.5
9541.0	10000	38.5469	94.9422	-912	PKC	3.0	-1	10.4	1	1.3	1	0.372	-1	2.659	-1	7.212	0	2055	53	1.5
9540.9	10000	38.5469	94.9415	-914	PKC	3.0	-1	10.4	1	1.3	1	0.372	-1	2.659	-1	7.212	0	2021	46	1.5
9540.8	10000	38.5469	94.9408	-916	PKC	3.0	-1	10.4	1	1.3	1	0.372	-1	2.659	-1	7.212	0	2002	50	1.5
9540.7	10000	38.5469	94.9400	-918	PKC	3.0	-1	10.4	1	1.3	1	0.372	-1	2.659	-1	7.212	0	1988	38	1.5
9540.6	10000	38.5468	94.9393	-919	PKC	2.9	-1	10.4	1	1.3	1	0.372	-1	2.659	-1	7.212	0	1970	42	1.5

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9540.5	10000	38.5468	94.9386	-921	PKC	2.5	-2	10.3	1	1.1	0	0.238	-2	2.151	-1	9.023	1	1972	55	1.5
9540.4	10000	38.5468	94.9379	-923	PKC	2.7	-1	10.0	0	1.1	0	0.275	-1	2.482	-1	9.009	1	1973	49	1.6
9540.3	10000	38.5468	94.9372	-924	PKC	2.7	-1	10.6	1	1.1	0	0.257	-1	2.509	-1	9.776	1	1988	36	1.6
9540.2	10000	38.5468	94.9365	-926	PKC	2.7	-1	10.8	1	1.1	0	0.250	-1	2.423	-1	9.709	1	1991	54	1.6
9540.1	10000	38.5468	94.9358	-928	PKC	2.9	-1	10.5	1	1.1	0	0.275	-1	2.531	-1	9.196	1	1992	54	1.6
9540.0	10000	38.5468	94.9351	-930	PKC	3.1	0	10.3	1	1.2	0	0.295	-1	2.619	-1	8.873	0	1991	49	1.6
9539.9	10000	38.5468	94.9344	-932	PKC	2.9	-1	10.4	1	1.2	0	0.282	-1	2.497	-1	8.855	0	2006	46	1.6
9539.8	10000	38.5468	94.9336	-933	PKC	2.9	-1	10.0	1	1.2	0	0.293	-1	2.538	-1	8.661	0	1997	57	1.6
9539.7	10000	38.5468	94.9329	-935	PKC	3.0	-1	10.0	1	1.1	0	0.300	-1	2.675	0	8.930	0	1992	52	1.6
9539.6	10000	38.5468	94.9322	-936	PKC	3.0	-1	10.1	1	1.1	0	0.299	-1	2.651	0	8.869	0	1994	54	1.5
9539.5	10000	38.5468	94.9315	-938	PKC	3.0	-1	10.1	1	1.1	0	0.298	-1	2.736	0	9.194	1	2002	42	1.5
9539.4	10000	38.5468	94.9308	-940	PKC	3.1	0	10.0	1	1.1	0	0.307	-1	2.961	0	9.644	1	1996	58	1.5
9539.3	10000	38.5467	94.9301	-941	PKC	3.0	-1	9.8	1	1.0	-1	0.302	-1	2.849	0	9.448	1	1985	47	1.5
9539.2	10000	38.5467	94.9294	-943	PKC	3.1	0	9.8	0	1.0	-1	0.315	-1	2.974	0	9.440	1	1975	34	1.5
9539.1	10000	38.5467	94.9287	-944	PKC	3.0	-1	9.9	0	1.1	0	0.298	-1	2.732	0	9.161	1	1975	41	1.5
9539.0	10000	38.5467	94.9280	-945	PKC	2.8	-1	10.0	1	1.1	0	0.278	-1	2.532	-1	9.103	1	1986	48	1.5
9538.9	10000	38.5467	94.9272	-946	PKC	2.9	-1	9.9	0	1.1	0	0.289	-1	2.525	-1	8.741	0	1977	61	1.5
9538.8	10000	38.5467	94.9265	-948	PKC	2.9	-1	9.8	0	1.2	0	0.295	-1	2.439	-1	8.255	0	1986	51	1.5
9538.7	10000	38.5467	94.9258	-948	PKC	2.8	-1	9.9	0	1.2	0	0.282	-1	2.285	-1	8.110	0	2000	53	1.5
9538.6	10000	38.5467	94.9251	-949	PKC	2.9	-1	10.3	1	1.2	0	0.286	-1	2.388	-1	8.359	0	2014	53	1.5
9538.5	10000	38.5467	94.9244	-951	PKC	2.8	-1	10.4	1	1.2	0	0.266	-1	2.259	-1	8.502	0	2003	35	1.5
9538.4	10000	38.5467	94.9237	-952	PKC	2.7	-1	10.4	1	1.2	0	0.261	-1	2.250	-1	8.609	0	1994	47	1.5
9538.3	10000	38.5467	94.9230	-953	PKC	2.6	-1	10.6	1	1.2	0	0.247	-1	2.162	-1	8.747	0	1971	36	1.5
9538.2	10000	38.5467	94.9223	-954	PKC	2.6	-1	10.4	1	1.2	0	0.251	-1	2.156	-1	8.595	0	1968	59	1.5
9538.1	10000	38.5467	94.9216	-956	PKC	2.8	-1	10.3	1	1.2	0	0.270	-1	2.329	-1	8.637	0	1963	39	1.5
9538.0	10000	38.5467	94.9208	-957	PKC	2.9	-1	9.9	0	1.2	0	0.288	-1	2.391	-1	8.306	0	1941	52	1.5
9537.9	10000	38.5467	94.9201	-959	PKC	2.9	-1	9.5	0	1.2	0	0.301	-1	2.353	-1	7.820	0	1949	49	1.5
9537.8	10000	38.5466	94.9194	-959	PKC	2.9	-1	9.9	0	1.2	0	0.295	-1	2.378	-1	8.060	0	1959	44	1.5
9537.7	10000	38.5466	94.9187	-959	PKC	3.0	0	9.9	0	1.2	0	0.306	-1	2.502	-1	8.171	0	1976	51	1.5
9537.6	10000	38.5467	94.9179	-959	PKC	3.0	-1	9.8	0	1.2	0	0.315	-1	2.623	-1	8.319	0	1994	51	1.5
9537.5	10000	38.5467	94.9171	-959	PKC	3.0	-1	9.8	0	1.2	0	0.345	-1	2.910	-1	8.443	0	2005	57	1.4
9537.4	10000	38.5467	94.9164	-960	PKC	3.0	-1	9.8	0	1.2	0	0.341	-1	2.850	-1	8.366	0	2003	58	1.4
9537.3	10000	38.5467	94.9156	-960	PKC	3.0	-1	9.8	0	1.2	0	0.339	-1	2.914	-1	8.586	0	2011	43	1.4
9537.2	10000	38.5467	94.9149	-960	PKC	3.0	-1	9.8	0	1.2	0	0.319	-1	2.960	-1	8.280	0	1999	50	1.4
9537.1	10000	38.5467	94.9141	-960	PKC	3.0	-1	9.8	0	1.2	0	0.330	-1	2.949	-1	8.942	0	1985	52	1.4
9537.0	10000	38.5467	94.9133	-960	PKC	3.0	-1	9.8	0	1.2	0	0.325	-1	2.917	-1	8.980	0	1960	51	1.4
9536.9	10000	38.5467	94.9126	-960	PKC	3.0	-1	9.8	0	1.2	0	0.317	-1	2.766	-1	8.716	0	1938	51	1.4
9536.8	10000	38.5467	94.9118	-960	PKC	3.0	-1	9.8	0	1.2	0	0.299	-1	2.805	-1	8.861	0	1917	55	1.4
9536.7	10000	38.5468	94.9111	-961	PKC	3.0	-1	9.8	0	1.2	0	0.257	-1	2.641	-1	8.829	0	1916	53	1.4
9536.6	10000	38.5468	94.9103	-961	PKC	3.0	-1	9.8	0	1.2	0	0.263	-1	2.289	-1	8.909	0	1922	56	1.4
9536.5	10000	38.5468	94.9095	-961	PKC	3.0	-1	9.8	0	1.2	0	0.283	-1	2.194	-1	8.332	0	1941	60	1.4
9536.4	10000	38.5468	94.9088	-962	PKC	3.0	-1	9.8	0	1.2	0	0.322	-1	2.349	-1	8.294	0	1961	53	1.4
9536.3	10000	38.5468	94.9080	-962	PKC	3.0	-1	9.8	0	1.2	0	0.360	-1	2.492	-1	8.749	0	1982	44	1.4
9536.2	10000	38.5468	94.9073	-962	PKC	3.0	-1	9.8	0	1.2	0	0.321	-1	2.780	-1	8.719	0	1994	50	1.4
9536.1	10000	38.5468	94.9065	-962	PKC	3.0	-1	9.8	0	1.2	0	0.324	-1	2.538	-1	7.905	0	2005	57	1.4
9536.0	10000	38.5468	94.9057	-961	PKC	3.0	-1	9.8	0	1.2	0	0.341	-1	2.596	-1	8.010	0	2000	40	1.4
9535.9	10000	38.5468	94.9050	-960	PKC	3.0	-1	9.8	0	1.2	0	0.347	-1	2.662	-1	7.798	0	1983	52	1.4
9535.8	10000	38.5468	94.9042	-961	PKC	3.0	-1	9.8	0	1.2	0	0.336	-1	2.774	-1	7.998	0	1955	51	1.4
9535.7	10000	38.5469	94.9035	-961	PKC	3.0	-1	9.8	0	1.2	0	0.306	-1	2.658	-1	7.919	0	1943	47	1.4
9535.6	10000	38.5469	94.9027	-960	PKC	3.0	-1	9.8	0	1.2	0	0.285	-1	2.645	-1	7.650	0	1931	36	1.4
9535.5	10000	38.5469	94.9019	-957	PKC	3.0	-1	9.8	0	1.2	0	0.272	-1	2.636	-1	7.297	0	1945	31	1.4
9535.4	10000	38.5469	94.9012	-955	PKC	2.6	-1	9.5	0	1.2	0	0.272	-1	2.228	-1	8.205	0	1964	41	1.3

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9535.3	10000	38.5469	94.9004	-960	PKC	2.8	-1	9.8	0	1.2	0	0.289	-1	2.370	-1	8.193	0	1985	45	1.3
9535.2	10000	38.5469	94.8997	-963	PKC	3.0	-1	10.1	1	1.2	1	0.292	-1	2.401	-1	8.208	0	2013	45	1.2
9535.1	10000	38.5469	94.8989	-964	PKC	2.9	-1	10.4	1	1.2	1	0.274	-1	2.329	-1	8.501	0	2043	49	1.2
9535.0	10000	38.5469	94.8981	-964	PKC	3.0	0	10.9	1	1.2	1	0.279	-1	2.457	-1	8.793	0	2065	52	1.2
9534.9	10000	38.5469	94.8974	-963	PKC	3.1	0	11.3	2	1.3	1	0.272	-1	2.436	-1	8.959	0	2081	46	1.2
9534.8	10000	38.5469	94.8966	-963	PKC	3.1	0	11.3	2	1.3	1	0.277	-1	2.486	-1	8.975	0	2070	59	1.2
9534.7	10000	38.5470	94.8959	-963	PKC	3.2	0	11.0	1	1.3	1	0.289	-1	2.483	-1	8.602	0	2063	57	1.2
9534.6	10000	38.5470	94.8951	-963	PKC	3.1	0	10.9	1	1.3	1	0.283	-1	2.408	-1	8.506	0	2053	52	1.2
9534.5	10000	38.5470	94.8943	-964	PKC	3.0	-1	10.7	1	1.3	1	0.281	-1	2.356	-1	8.379	0	2033	50	1.2
9534.4	10000	38.5470	94.8936	-963	PKC	2.9	-1	10.2	1	1.3	1	0.287	-1	2.285	-1	7.969	0	2003	48	1.2
9534.3	10000	38.5470	94.8928	-960	PKC	2.8	-1	10.0	1	1.3	1	0.278	-1	2.094	-1	7.543	-1	1976	46	1.2
9534.2	10000	38.5470	94.8921	-958	PKC	2.7	-1	9.4	0	1.3	1	0.292	-1	2.124	-1	7.269	-1	1968	39	1.2
9534.1	10000	38.5470	94.8913	-957	PKC	3.0	-1	9.3	0	1.2	1	0.319	-1	2.376	-1	7.440	-1	1969	55	1.2
9534.0	10000	38.5470	94.8905	-955	PKC	3.1	0	9.2	0	1.2	0	0.340	0	2.604	-1	7.649	-1	1963	56	1.2
9533.9	10000	38.5470	94.8898	-960	PKC	3.4	0	9.0	0	1.2	0	0.382	0	2.869	0	7.511	-1	1973	52	1.1
9533.8	10000	38.5471	94.8890	-964	PKC	3.6	0	9.1	0	1.2	0	0.395	0	3.105	0	7.869	0	1983	46	1.1
9533.7	10000	38.5471	94.8883	-965	PKC	3.7	1	9.4	0	1.2	0	0.388	0	3.146	0	8.113	0	2006	43	1.1
9533.6	10000	38.5471	94.8875	-966	PKC	3.9	1	9.8	0	1.1	0	0.393	0	3.501	1	8.898	0	2045	54	1.1
9533.5	10000	38.5471	94.8867	-966	PKC	3.8	1	10.3	1	1.2	0	0.371	0	3.319	0	8.936	0	2060	51	1.1
9533.4	10000	38.5471	94.8860	-966	PKC	3.6	0	10.7	1	1.2	0	0.332	0	3.023	0	9.118	1	2067	48	1.1
9533.3	10000	38.5471	94.8852	-967	PKC	3.6	0	10.6	1	1.2	0	0.335	0	2.985	0	8.897	0	2060	51	1.1
9533.2	10000	38.5471	94.8844	-968	PKC	3.3	0	10.7	1	1.2	0	0.309	-1	2.812	0	9.102	1	2040	36	1.1
9533.1	10000	38.5471	94.8837	-968	PKC	3.2	0	10.8	1	1.2	0	0.294	-1	2.647	0	9.015	1	2022	48	1.1
9533.0	10000	38.5471	94.8829	-968	PKC	3.1	0	10.6	1	1.2	0	0.293	-1	2.654	0	9.071	1	2020	53	1.1
9532.9	10000	38.5471	94.8822	-967	PKC	2.9	-1	10.5	1	1.2	0	0.279	-1	2.401	-1	8.598	0	1995	41	1.1
9532.8	10000	38.5471	94.8814	-967	PKC	2.8	-1	10.1	1	1.2	1	0.282	-1	2.323	-1	8.251	0	1973	47	1.1
9532.7	10000	38.5472	94.8806	-967	PKC	2.8	-1	9.9	1	1.2	1	0.303	-1	2.439	-1	8.050	0	1961	42	1.1
9532.6	10000	38.5472	94.8799	-967	PKC	2.8	-1	10.1	1	1.2	1	0.278	-1	2.288	-1	8.240	0	1959	48	1.1
9532.5	10000	38.5472	94.8791	-969	PKC	2.8	-1	10.2	1	1.2	1	0.277	-1	2.259	-1	8.157	0	1964	47	1.1
9532.4	10000	38.5472	94.8784	-970	PKC	3.0	-1	10.2	1	1.2	1	0.297	-1	2.448	-1	8.229	0	1966	48	1.1
9532.3	10000	38.5472	94.8776	-970	PKC	3.1	0	10.2	1	1.2	1	0.308	-1	2.425	-1	7.883	0	1943	49	1.1
9532.2	10000	38.5472	94.8768	-970	PKC	3.1	0	10.1	1	1.2	1	0.315	-1	2.554	-1	8.113	0	1950	45	1.1
9532.1	10000	38.5472	94.8761	-970	PKC	3.2	0	10.2	1	1.3	1	0.311	-1	2.632	-1	8.455	0	1963	42	1.1
9532.0	10000	38.5472	94.8753	-970	PKC	3.3	0	10.2	1	1.3	1	0.297	-1	2.519	-1	8.479	0	1949	49	1.1
9531.9	10000	38.5472	94.8746	-969	PKC	3.3	0	10.4	1	1.3	1	0.321	-1	2.734	-1	8.525	0	1946	43	1.1
9531.8	10000	38.5472	94.8738	-970	PKC	3.3	1	10.0	1	1.3	1	0.324	-1	2.815	-1	8.475	0	1924	42	1.1
9531.7	10000	38.5473	94.8730	-969	PKC	3.3	1	9.8	1	1.3	1	0.308	-1	2.709	-1	8.790	0	1935	53	1.1
9531.6	10000	38.5473	94.8723	-969	PKC	3.3	0	9.7	1	1.3	1	0.305	-1	2.662	-1	8.738	0	1939	46	1.1
9531.5	10000	38.5473	94.8715	-968	PKC	3.3	0	9.5	0	1.3	1	0.310	-1	2.623	-1	8.470	0	1926	45	1.1
9531.4	10000	38.5473	94.8708	-968	PKC	3.3	0	9.6	0	1.2	1	0.321	-1	2.536	-1	7.904	0	1948	40	1.1
9531.3	10000	38.5473	94.8700	-967	PKC	3.3	0	9.8	0	1.2	1	0.359	-1	2.657	-1	7.405	0	1941	43	1.1
9531.2	10000	38.5473	94.8692	-967	PKC	3.3	0	9.8	0	1.2	1	0.363	-1	2.608	-1	7.189	0	1939	52	1.1
9531.1	10000	38.5473	94.8685	-965	PKC	3.3	0	9.9	0	1.2	1	0.351	-1	2.476	-1	7.054	0	1879	46	1.1
9531.0	10000	38.5473	94.8677	-964	PKC	3.3	0	9.9	0	1.2	1	0.414	-1	2.693	-1	6.513	0	1782	51	1.1
9530.9	10000	38.5473	94.8670	-963	PKC	3.3	0	9.8	0	1.2	1	0.440	-1	2.075	-1	6.991	0	1647	46	1.1
9530.8	10000	38.5473	94.8662	-961	PKC	3.3	0	9.8	0	1.2	1	0.462	-1	2.266	-1	7.077	0	1537	52	1.1
9530.7	10000	38.5474	94.8654	-959	PKC	3.3	0	9.8	0	1.2	1	0.474	-1	2.402	-1	7.171	0	1465	55	1.1
9530.6	10000	38.5474	94.8647	-957	PKC	3.3	0	9.8	0	1.2	1	0.439	-1	2.377	-1	7.697	0	1444	49	1.1
9530.5	10000	38.5474	94.8639	-956	PKC	3.3	0	9.8	0	1.2	1	0.411	-1	2.208	-1	7.811	0	1452	40	1.1
9530.4	10000	38.5474	94.8632	-953	PKC	3.3	0	9.8	0	1.2	1	0.434	-1	2.553	-1	7.191	0	1510	37	1.1
9530.3	10000	38.5474	94.8624	-951	PKC	3.3	0	9.8	0	1.2	1	0.353	-1	2.234	-1	7.154	0	1607	43	1.1
9530.2	10000	38.5474	94.8616	-949	PKC	3.3	0	9.8	0	1.2	1	0.348	-1	2.762	-1	7.938	0	1607	47	1.1

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9530.1	10000	38.5474	94.8609	-947	PKC	2.8	-1	8.1	-1	1.0	-1	0.343	0	2.679	0	7.821	0	1711	47	1.0
9530.0	10000	38.5474	94.8601	-945	PKC	2.9	-1	8.7	0	1.1	0	0.335	0	2.703	0	8.068	0	1806	45	1.0
9529.9	10000	38.5474	94.8594	-942	PKC	2.9	-1	8.9	0	1.1	0	0.326	0	2.648	0	8.133	0	1854	39	1.0
9529.8	10000	38.5474	94.8586	-940	PKC	2.9	-1	8.7	0	1.1	0	0.336	0	2.675	0	7.956	0	1878	49	1.0
9529.7	10000	38.5475	94.8578	-938	QAL	2.8	0	8.5	-1	1.2	0	0.331	0	2.358	0	7.122	0	1880	47	1.0
9529.6	10000	38.5475	94.8571	-936	QAL	3.0	0	8.1	-1	1.3	0	0.375	1	2.408	0	6.415	-1	1876	42	1.0
9529.5	10000	38.5475	94.8563	-934	QAL	2.9	0	8.3	-1	1.2	0	0.353	0	2.341	0	6.628	-1	1875	52	1.0
9529.4	10000	38.5475	94.8556	-932	QAL	2.9	0	8.5	-1	1.3	0	0.346	0	2.245	0	6.496	-1	1907	50	1.1
9529.3	10000	38.5475	94.8548	-930	QAL	3.0	0	8.4	-1	1.4	0	0.357	0	2.229	0	6.237	-1	1940	51	1.1
9529.2	10000	38.5475	94.8540	-927	QAL	2.8	0	8.6	0	1.4	0	0.329	0	2.081	-1	6.324	-1	1954	47	1.1
9529.1	10000	38.5475	94.8533	-925	QAL	2.8	-1	9.0	0	1.3	0	0.308	0	2.074	-1	6.732	-1	1957	65	1.1
9529.0	10000	38.5475	94.8525	-923	QAL	2.8	-1	9.3	0	1.3	0	0.301	-1	2.158	-1	7.160	0	1966	49	1.1
9528.9	10000	38.5475	94.8518	-921	QAL	2.8	0	9.5	0	1.2	0	0.297	-1	2.382	0	8.022	0	1978	45	1.1
9528.8	10000	38.5475	94.8510	-920	QAL	3.1	0	9.5	0	1.2	0	0.322	0	2.566	0	7.959	0	1984	49	1.1
9528.7	10000	38.5475	94.8502	-920	QAL	3.2	0	9.8	0	1.1	0	0.331	0	2.832	0	8.557	1	1990	38	1.1
9528.6	10000	38.5476	94.8495	-918	QAL	3.3	0	9.7	0	1.1	0	0.334	0	2.875	1	8.598	1	1987	52	1.1
9528.5	10000	38.5476	94.8487	-915	PKC	3.4	0	9.9	0	1.2	0	0.344	0	2.864	0	8.319	0	2003	41	1.1
9528.4	10000	38.5476	94.8480	-914	PKC	3.5	0	10.0	1	1.2	0	0.346	0	2.918	0	8.436	0	2015	53	1.1
9528.3	10000	38.5476	94.8472	-912	PKC	3.4	0	10.2	1	1.2	0	0.332	0	2.917	0	8.783	0	2023	44	1.1
9528.2	10000	38.5476	94.8464	-910	PKC	3.1	-1	10.3	1	1.2	0	0.303	-1	2.503	-1	8.260	0	2009	56	1.1
9528.1	10000	38.5476	94.8457	-908	PKC	3.0	-1	10.6	1	1.2	0	0.280	-1	2.424	-1	8.659	0	2007	55	1.1
9528.0	10000	38.5476	94.8449	-906	PKC	3.1	-1	10.4	1	1.2	0	0.287	-1	2.405	-1	8.383	0	2009	46	1.1
9527.9	10000	38.5476	94.8442	-905	PKC	3.1	0	10.9	1	1.3	0	0.282	-1	2.412	-1	8.548	0	2011	42	1.1
9527.8	10000	38.5476	94.8434	-906	PKC	3.1	0	11.0	1	1.2	0	0.284	-1	2.511	-1	8.838	0	2003	52	1.1
9527.7	10000	38.5477	94.8426	-905	PKC	2.9	-1	10.8	1	1.3	0	0.271	-1	2.289	-1	8.448	0	1997	42	1.1
9527.6	10000	38.5477	94.8419	-901	PKC	3.0	-1	10.3	1	1.3	0	0.288	-1	2.249	-1	7.814	0	2001	43	1.1
9527.5	10000	38.5477	94.8411	-898	PKC	3.2	0	10.3	1	1.3	0	0.313	-1	2.536	-1	8.109	0	2002	53	1.1
9527.4	10000	38.5477	94.8404	-897	PKC	3.2	0	10.2	1	1.2	0	0.314	-1	2.581	-1	8.218	0	2016	54	1.1
9527.3	10000	38.5477	94.8396	-895	PKC	3.0	0	10.5	1	1.2	0	0.289	-1	2.433	-1	8.412	0	2018	47	1.1
9527.2	10000	38.5477	94.8388	-893	PKC	3.0	0	10.5	1	1.2	0	0.284	-1	2.426	-1	8.532	0	2030	59	1.1
9527.1	10000	38.5477	94.8381	-891	PKC	2.8	0	10.4	1	1.3	0	0.270	-1	2.252	-1	8.329	0	2047	68	1.1
9527.0	10000	38.5477	94.8373	-889	PKC	3.0	0	10.2	1	1.3	0	0.298	-1	2.381	-1	7.984	0	2080	59	1.1
9526.9	10000	38.5477	94.8365	-887	PKC	3.0	0	10.6	1	1.3	0	0.283	-1	2.356	-1	8.318	0	2078	50	1.1
9526.8	10000	38.5477	94.8358	-886	PKC	2.8	0	10.4	1	1.3	0	0.270	-1	2.104	-1	7.793	0	2092	60	1.1
9526.7	10000	38.5478	94.8350	-884	PKC	2.7	0	10.4	1	1.4	0	0.259	-1	1.942	-1	7.491	-1	2085	43	1.1
9526.6	10000	38.5478	94.8343	-883	PKC	2.7	-1	9.8	1	1.4	0	0.279	-1	1.953	-1	6.989	-1	2082	35	1.1
9526.5	10000	38.5478	94.8335	-881	PKC	2.6	-1	9.7	1	1.4	0	0.268	-1	1.860	-2	6.950	-1	2067	54	1.1
9526.4	10000	38.5478	94.8327	-881	PKC	2.7	-1	9.5	1	1.4	0	0.288	-1	1.964	-1	6.828	-1	2066	52	1.1
9526.3	10000	38.5478	94.8320	-880	PKC	2.7	-1	9.6	1	1.4	0	0.283	-1	1.985	-1	7.014	-1	2042	44	1.1
9526.2	10000	38.5478	94.8312	-879	PKC	2.7	-1	9.5	1	1.4	0	0.288	-1	1.962	-1	6.819	-1	2039	56	1.1
9526.1	10000	38.5478	94.8305	-878	PKC	2.7	-1	9.5	1	1.4	0	0.284	-1	1.940	-1	6.821	-1	2042	50	1.1
9526.0	10000	38.5478	94.8297	-878	PKC	2.9	-1	9.4	1	1.4	0	0.307	-1	2.140	-1	6.972	-1	2052	60	1.1
9525.9	10000	38.5478	94.8289	-877	PKC	2.8	-1	9.2	1	1.4	0	0.277	-1	2.046	-1	6.873	-1	2049	52	1.1
9525.8	10000	38.5478	94.8282	-876	PKC	2.9	-1	9.8	1	1.4	0	0.300	-1	2.189	-1	7.293	-1	2052	53	1.1
9525.7	10000	38.5478	94.8274	-876	PKC	3.1	-1	9.6	1	1.4	0	0.321	-1	2.353	-1	7.390	-1	2027	39	1.1
9525.6	10000	38.5479	94.8267	-875	PKC	3.0	-1	9.9	1	1.4	0	0.300	-1	2.254	-1	7.397	-1	2015	37	1.1
9525.5	10000	38.5479	94.8259	-874	PKC	3.1	-1	9.9	1	1.4	0	0.310	-1	2.298	-1	7.397	-1	2026	46	1.1
9525.4	10000	38.5479	94.8251	-873	PKC	3.0	-1	10.0	1	1.4	0	0.300	-1	2.324	-1	7.281	-1	2050	62	1.1
9525.3	10000	38.5479	94.8244	-875	PKC	3.1	-1	9.9	1	1.4	0	0.310	-1	2.331	-1	7.396	-1	2052	66	1.1
9525.2	10000	38.5479	94.8236	-875	PKC	3.0	-1	9.9	1	1.4	0	0.300	-1	2.294	-1	7.575	-1	2049	54	1.1
9525.1	10000	38.5479	94.8229	-875	PKC	2.9	-1	9.8	1	1.4	0	0.296	-1	2.281	-1	7.627	-1	2034	46	1.1
9525.0	10000	38.5479	94.8221	-874	PKC	2.7	-1	10.4	1	1.4	0	0.260	-1	1.980	-1	7.627	-1	2045	46	1.1

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9524.9	10000	38.5479	94.8214	-872	PKC	2.6	-1	10.2	1	1.3	1	0.253	-1	1.937	-1	7.645	-1	2036	55	1.2
9524.8	10000	38.5479	94.8206	-870	PKC	2.7	-1	9.8	1	1.3	1	0.281	-1	2.072	-1	7.364	-1	2021	44	1.2
9524.7	10000	38.5480	94.8198	-872	PKC	2.9	-1	9.4	1	1.3	1	0.304	-1	2.239	-1	7.357	-1	1996	53	1.2
9524.6	10000	38.5480	94.8191	-874	PKC	3.1	0	9.5	0	1.2	0	0.321	0	2.515	-1	7.831	0	1994	48	1.2
9524.5	10000	38.5480	94.8183	-873	PKC	3.4	0	9.7	0	1.2	0	0.350	0	2.932	0	8.379	0	2000	47	1.2
9524.4	10000	38.5480	94.8176	-871	PKC	3.6	1	9.4	0	1.1	0	0.388	0	3.183	0	8.200	0	2016	41	1.2
9524.3	10000	38.5480	94.8168	-871	PKC	4.0	2	8.9	0	1.1	0	0.446	1	3.591	1	8.046	0	2017	54	1.2
9524.2	10000	38.5480	94.8160	-870	PKC	4.2	2	8.8	0	1.1	0	0.473	1	3.741	1	7.903	0	2027	57	1.2
9524.1	10000	38.5480	94.8153	-869	PKC	4.0	2	8.8	0	1.1	0	0.459	1	3.671	1	8.004	0	2013	53	1.2
9524.0	10000	38.5480	94.8145	-867	PKC	4.2	2	8.7	0	1.1	0	0.479	2	3.788	1	7.905	0	2002	49	1.2
9523.9	10000	38.5480	94.8138	-867	PKC	3.7	-1	8.5	0	1.1	0	0.443	1	3.344	1	7.548	-1	1971	41	1.2
9523.8	10000	38.5480	94.8130	-865	PKC	3.5	-1	8.6	0	1.1	0	0.404	1	3.074	0	7.615	-1	1943	41	1.3
9523.7	10000	38.5480	94.8122	-863	PKC	3.1	0	9.2	0	1.1	0	0.341	0	2.826	0	8.296	0	1923	47	1.3
9523.6	10000	38.5480	94.8115	-861	PKC	2.9	-1	9.3	0	1.1	0	0.313	-1	2.650	0	8.453	0	1912	56	1.3
9523.5	10000	38.5481	94.8107	-859	PKC	2.9	-1	9.4	0	1.1	0	0.308	-1	2.682	0	8.698	0	1910	51	1.3
9523.4	10000	38.5481	94.8100	-858	PKC	3.1	0	9.2	0	1.1	0	0.332	0	2.782	0	8.382	0	1900	56	1.3
9523.3	10000	38.5481	94.8092	-856	PKC	2.9	-1	8.8	0	1.1	0	0.326	0	2.580	-1	7.917	0	1878	55	1.3
9523.2	10000	38.5481	94.8084	-853	PKC	3.0	-1	8.5	0	1.1	0	0.353	0	2.792	0	7.906	0	1864	45	1.3
9523.1	10000	38.5481	94.8077	-849	PKC	3.2	-1	8.0	0	1.1	0	0.404	1	2.953	0	7.316	-1	1862	53	1.3
9523.0	10000	38.5481	94.8069	-846	PKC	3.4	-1	7.6	0	1.1	0	0.443	1	3.034	0	6.850	-1	1858	37	1.3
9522.9	10000	38.5481	94.8061	-842	PKC	3.5	-1	7.9	0	1.1	0	0.462	1	3.083	0	6.678	-1	1876	47	1.3
9522.8	10000	38.5481	94.8054	-836	PKC	3.3	-1	8.3	0	1.1	0	0.444	1	3.220	0	7.248	-1	1892	40	1.3
9522.7	10000	38.5481	94.8046	-830	PKC	3.2	-1	8.7	0	1.1	0	0.441	1	3.280	0	7.432	-1	1942	57	1.3
9522.6	10000	38.5481	94.8039	-824	PKC	3.0	-1	8.8	0	1.1	0	0.436	1	3.369	1	7.729	0	1968	46	1.3
9522.5	10000	38.5481	94.8031	-818	PKC	2.9	-1	9.0	0	1.2	0	0.420	1	3.257	0	7.748	0	1992	61	1.3
9522.4	10000	38.5482	94.8023	-813	PKC	2.8	-1	9.1	0	1.2	0	0.383	1	2.948	0	7.700	-1	2008	52	1.3
9522.3	10000	38.5482	94.8016	-808	PKC	2.8	-1	9.2	0	1.2	0	0.406	1	3.033	0	7.470	-1	2006	49	1.3
9522.2	10000	38.5482	94.8008	-803	PKC	2.8	-1	9.2	0	1.2	0	0.389	1	2.946	0	7.573	-1	1975	56	1.3
9522.1	10000	38.5482	94.8001	-798	PKC	2.8	-1	9.2	0	1.2	0	0.402	1	2.850	0	7.092	-1	1958	51	1.3
9522.0	10000	38.5482	94.7993	-795	PKC	2.8	-1	9.2	0	1.2	0	0.403	1	2.845	0	7.057	-1	1913	56	1.3
9521.9	10000	38.5482	94.7985	-793	PKC	2.8	-1	9.2	0	1.2	0	0.384	1	2.820	0	7.349	-1	1901	69	1.3
9521.8	10000	38.5482	94.7978	-791	PKC	2.8	-1	9.2	0	1.2	0	0.369	1	2.652	0	7.190	-1	1879	55	1.3
9521.7	10000	38.5482	94.7970	-788	PKC	2.8	-1	9.2	0	1.2	0	0.403	1	2.965	0	7.354	-1	1871	43	1.3
9521.6	10000	38.5482	94.7963	-785	PKC	2.8	-1	9.2	0	1.2	0	0.365	1	2.856	0	7.818	0	1869	51	1.3
9521.5	10000	38.5482	94.7955	-782	PKC	2.8	-1	9.2	0	1.2	0	0.342	1	2.720	0	7.958	0	1868	56	1.3
9521.4	10000	38.5483	94.7947	-779	PKC	2.8	-1	9.2	0	1.2	0	0.316	1	2.757	0	7.725	0	1845	55	1.3
9521.3	10000	38.5483	94.7940	-776	PKC	2.8	-1	9.2	0	1.2	0	0.280	1	2.621	0	7.368	0	1843	52	1.3
9521.2	10000	38.5483	94.7932	-774	PKC	2.8	-1	9.2	0	1.2	0	0.289	1	2.594	0	7.964	0	1852	47	1.3
9521.1	10000	38.5483	94.7925	-771	PKC	2.8	-1	9.2	0	1.2	0	0.308	1	2.903	0	8.432	0	1866	64	1.3
9521.0	10000	38.5483	94.7917	-769	PKC	2.8	-1	9.2	0	1.2	0	0.297	1	2.807	0	8.450	0	1867	40	1.3
9520.9	10000	38.5483	94.7909	-767	PKC	2.8	-1	9.2	0	1.2	0	0.298	1	2.869	0	8.628	0	1868	53	1.3
9520.8	10000	38.5483	94.7902	-765	PKC	2.8	-1	9.2	0	1.2	0	0.294	1	2.969	0	8.683	0	1888	45	1.3
9520.7	10000	38.5483	94.7894	-763	PKC	2.8	-1	9.2	0	1.2	0	0.296	1	2.764	1	8.352	0	1894	53	1.3
9520.6	10000	38.5483	94.7887	-761	PKC	2.8	-1	9.2	0	1.2	0	0.308	1	2.717	0	8.135	0	1889	37	1.3
9520.5	10000	38.5483	94.7879	-759	PKC	2.8	-1	9.2	0	1.2	0	0.307	1	2.794	0	8.105	0	1877	47	1.3
9520.4	10000	38.5483	94.7871	-757	PKC	2.8	-1	9.2	0	1.2	0	0.292	1	2.595	0	8.082	0	1859	40	1.3
9520.3	10000	38.5483	94.7864	-755	PKC	2.8	-1	9.2	0	1.2	0	0.297	1	2.704	0	8.102	0	1825	57	1.3
9520.2	10000	38.5483	94.7856	-753	PKC	2.8	-1	9.2	0	1.2	0	0.282	1	2.547	0	8.030	0	1813	46	1.3
9520.1	10000	38.5483	94.7849	-750	PKC	2.8	-1	9.2	0	1.2	0	0.306	1	2.747	0	8.033	0	1784	61	1.3
9520.0	10000	38.5483	94.7841	-746	PKC	2.8	-1	9.2	0	1.2	0	0.319	1	2.918	0	8.159	0	1783	52	1.3
9519.9	10000	38.5483	94.7834	-742	PKC	2.8	-1	9.2	0	1.2	0	0.299	1	2.741	0	8.159	0	1782	59	1.3
9519.8	10000	38.5483	94.7827	-742	PKC	3.0	-1	9.4	0	1.2	0	0.315	1	3.289	1	8.435	0	1778	44	1.4

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9519.7	10000	38.5483	94.7819	-741	PKC	3.0	-1	9.8	0	0.9	-1	0.306	-1	3.431	1	11.230	2	1806	46	1.4
9519.6	10000	38.5483	94.7811	-740	PKC	3.0	-1	10.2	1	0.9	-1	0.294	-1	3.380	1	11.496	2	1839	51	1.4
9519.5	10000	38.5483	94.7804	-737	PKC	3.2	0	10.1	1	0.9	-1	0.313	-1	3.566	1	11.396	2	1861	52	1.4
9519.4	10000	38.5482	94.7796	-735	PKC	3.2	0	10.1	1	0.9	-1	0.318	-1	3.450	1	10.860	2	1885	55	1.4
9519.3	10000	38.5482	94.7789	-732	PKC	3.1	0	10.5	1	0.9	-1	0.291	-1	3.399	1	11.664	3	1877	46	1.4
9519.2	10000	38.5482	94.7782	-729	PKC	3.0	-1	10.4	1	0.9	-1	0.285	-1	3.258	0	11.440	2	1864	51	1.4
9519.1	10000	38.5482	94.7774	-727	PKC	2.7	-1	10.1	1	0.9	-1	0.272	-1	3.078	0	11.296	2	1855	45	1.4
9519.0	10000	38.5482	94.7767	-724	PKC	2.7	-1	9.7	0	0.9	-1	0.277	-1	2.991	0	10.799	2	1815	48	1.4
9518.9	10000	38.5482	94.7759	-722	PKC	2.5	-1	9.3	0	0.9	-1	0.269	-1	2.835	0	10.546	2	1792	52	1.4
9518.8	10000	38.5482	94.7752	-719	PKC	2.4	-2	9.2	0	0.9	-2	0.257	-1	2.748	0	10.708	2	1765	58	1.4
9518.7	10000	38.5482	94.7744	-717	PKC	2.2	-2	9.1	0	0.8	-2	0.246	-1	2.727	0	11.104	2	1725	34	1.4
9518.6	10000	38.5482	94.7737	-715	PKC	2.4	-2	8.5	-1	0.8	-2	0.278	-1	2.852	0	10.255	2	1700	61	1.4
9518.5	10000	38.5481	94.7729	-712	PKC	2.5	-1	7.7	-1	0.8	-2	0.321	0	3.090	0	9.622	1	1672	40	1.4
9518.4	10000	38.5481	94.7722	-710	PKC	2.3	-2	7.7	-1	0.8	-2	0.304	-1	2.926	0	9.640	1	1640	50	1.4
9518.3	10000	38.5481	94.7714	-707	PKC	2.6	-1	7.5	-1	0.8	-2	0.342	0	3.265	0	9.535	1	1629	63	1.5
9518.2	10000	38.5481	94.7707	-706	PKC	2.7	-1	7.4	-2	0.8	-2	0.361	0	3.336	1	9.242	1	1617	46	1.5
9518.1	10000	38.5481	94.7699	-703	PKC	2.8	-1	7.6	-1	0.8	-2	0.376	0	3.487	1	9.264	1	1626	51	1.5
9518.0	10000	38.5481	94.7692	-701	PKC	2.7	-1	7.5	-1	0.8	-2	0.365	0	3.288	1	9.020	1	1655	61	1.5
9517.9	10000	38.5481	94.7684	-699	PKC	3.0	-1	7.7	-1	0.9	-1	0.393	0	3.411	1	8.688	0	1707	56	1.5
9517.8	10000	38.5481	94.7677	-697	PKC	3.1	0	8.3	-1	0.9	-1	0.374	0	3.236	1	8.658	0	1762	36	1.4
9517.7	10000	38.5481	94.7669	-695	PKC	3.3	0	8.3	-1	1.0	-1	0.402	1	3.415	1	8.496	0	1813	50	1.4
9517.6	10000	38.5481	94.7662	-693	PKC	3.2	0	8.5	-1	1.0	-1	0.375	0	3.251	0	8.675	0	1843	45	1.4
9517.5	10000	38.5480	94.7654	-692	PKC	3.2	0	8.7	-1	1.0	-1	0.362	0	3.150	0	8.695	0	1881	51	1.4
9517.4	10000	38.5480	94.7647	-689	PKC	3.0	0	8.4	-1	1.0	-1	0.361	0	3.079	0	8.523	0	1887	48	1.4
9517.3	10000	38.5480	94.7639	-687	PKC	3.1	0	8.4	-1	1.0	-1	0.370	0	3.095	0	8.374	0	1869	58	1.4
9517.2	10000	38.5480	94.7632	-685	PKC	2.8	-1	8.4	-1	0.9	-1	0.337	0	3.027	0	8.991	1	1839	63	1.4
9517.1	10000	38.5480	94.7625	-683	PKC	2.9	-1	8.1	-1	0.9	-1	0.355	0	3.219	1	9.066	1	1812	55	1.4
9517.0	10000	38.5480	94.7617	-681	PKC	2.9	-1	8.3	-1	0.8	-2	0.348	0	3.435	1	9.877	1	1795	31	1.4
9516.9	10000	38.5480	94.7610	-679	PKC	3.0	-1	8.6	-1	0.8	-2	0.347	0	3.552	1	10.226	1	1798	52	1.4
9516.8	10000	38.5480	94.7602	-678	PKC	3.0	-1	8.9	-1	0.8	-2	0.340	0	3.834	1	11.293	2	1789	38	1.4
9516.7	10000	38.5480	94.7595	-676	PKC	3.0	-1	9.0	-1	0.8	-2	0.332	0	3.943	1	11.860	3	1769	41	1.4
9516.6	10000	38.5480	94.7587	-674	PKC	3.2	-1	9.0	-1	0.7	-2	0.351	0	4.459	2	12.689	3	1768	48	1.4
9516.5	10000	38.5479	94.7580	-673	PKC	3.3	-1	9.2	-1	0.7	-2	0.356	0	4.539	2	12.767	3	1771	45	1.4
9516.4	10000	38.5479	94.7572	-671	PKC	3.3	-1	9.5	-1	0.7	-2	0.351	0	4.683	2	13.349	4	1783	54	1.4
9516.3	10000	38.5479	94.7565	-670	PKC	3.3	-1	9.6	-1	0.7	-2	0.346	0	4.676	2	13.525	4	1792	56	1.4
9516.2	10000	38.5479	94.7557	-669	PKC	3.2	-1	9.8	-1	0.7	-2	0.329	0	4.601	2	13.979	4	1787	41	1.4
9516.1	10000	38.5479	94.7550	-667	PKC	3.2	-1	9.6	-1	0.7	-2	0.333	0	4.453	2	13.384	4	1794	45	1.4
9516.0	10000	38.5479	94.7542	-666	PKC	3.4	-1	9.5	-1	0.7	-2	0.368	0	4.653	2	12.649	4	1825	46	1.4
9515.9	10000	38.5479	94.7535	-664	PKC	3.5	-1	9.7	-1	0.8	-2	0.347	0	4.438	2	12.771	4	1845	55	1.4
9515.8	10000	38.5479	94.7527	-663	PKC	3.4	-1	9.9	-1	0.8	-2	0.338	0	4.229	2	12.526	4	1842	54	1.4
9515.7	10000	38.5479	94.7520	-662	PKC	3.3	-1	9.9	-1	0.8	-2	0.330	0	4.099	2	12.414	4	1841	40	1.4
9515.6	10000	38.5479	94.7512	-661	PKC	3.5	-1	9.9	-1	0.8	-2	0.354	0	4.168	2	11.782	4	1838	50	1.4
9515.5	10000	38.5478	94.7505	-660	PKC	3.6	-1	9.8	-1	0.8	-2	0.396	0	4.400	2	11.107	4	1842	55	1.4
9515.4	10000	38.5478	94.7497	-659	PKC	3.6	-1	9.7	-1	0.8	-2	0.421	0	4.571	2	10.864	4	1829	38	1.4
9515.3	10000	38.5478	94.7490	-658	PKC	3.6	-1	9.8	-1	0.8	-2	0.407	0	4.580	2	10.258	4	1818	57	1.4
9515.2	10000	38.5478	94.7482	-658	PKC	3.6	-1	9.8	-1	0.8	-2	0.411	0	4.471	2	10.870	4	1822	41	1.4
9515.1	10000	38.5478	94.7475	-658	PKC	3.6	-1	9.8	-1	0.8	-2	0.414	0	4.284	2	10.356	4	1833	52	1.4
9515.0	10000	38.5478	94.7467	-657	PKC	3.6	-1	9.8	-1	0.8	-2	0.416	0	4.203	2	10.112	4	1875	52	1.4
9514.9	10000	38.5478	94.7460	-656	PKC	3.6	-1	9.8	-1	0.8	-2	0.412	0	4.134	2	10.039	4	1925	52	1.4
9514.8	10000	38.5478	94.7452	-656	PKC	3.6	-1	9.8	-1	0.8	-2	0.408	0	4.121	2	9.606	3	1955	52	1.4
9514.7	10000	38.5478	94.7445	-655	PKC	3.6	-1	9.8	-1	0.8	-2	0.363	0	3.936	1	9.730	3	1981	52	1.4
9514.6	10000	38.5477	94.7437	-656	PKC	3.5	0	10.1	1	1.0	-1	0.346	0	3.403	1	9.841	3	2001	46	1.3

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9514.5	10000	38.5477	94.7430	-656	PKC	3.3	0	10.5	1	1.0	-1	0.315	-1	3.156	0	10.022	1	2017	48	1.3
9514.4	10000	38.5477	94.7422	-656	PKC	3.5	0	10.9	1	1.0	-1	0.318	-1	3.328	1	10.466	2	2022	53	1.2
9514.3	10000	38.5477	94.7415	-656	PKC	3.3	0	10.7	1	1.0	-1	0.310	-1	3.300	0	10.648	2	1991	70	1.2
9514.2	10000	38.5477	94.7408	-656	PKC	2.8	-1	10.2	1	1.0	-1	0.279	-1	2.866	0	10.268	2	1944	53	1.2
9514.1	10000	38.5477	94.7400	-657	PKC	2.7	-1	10.3	1	1.0	-1	0.266	-1	2.872	0	10.805	2	1911	48	1.2
9514.0	10000	38.5477	94.7393	-658	PKC	2.9	-1	9.9	0	0.9	-1	0.289	-1	3.018	0	10.444	2	1886	48	1.2
9513.9	10000	38.5477	94.7385	-659	PKC	2.7	-1	9.6	0	1.0	-1	0.286	-1	2.887	0	10.082	1	1866	46	1.2
9513.8	10000	38.5477	94.7378	-661	PKC	3.0	-1	9.3	0	0.9	-1	0.319	-1	3.143	0	9.836	1	1843	57	1.2
9513.7	10000	38.5476	94.7370	-662	PKC	3.0	-1	9.2	0	0.9	-1	0.324	0	3.162	0	9.772	1	1837	47	1.2
9513.6	10000	38.5476	94.7363	-663	PKC	3.0	0	9.0	0	1.0	-1	0.340	0	3.144	0	9.240	1	1842	56	1.2
9513.5	10000	38.5476	94.7355	-664	PKC	3.2	0	9.0	0	1.0	-1	0.350	0	3.210	0	9.174	1	1840	38	1.2
9513.4	10000	38.5476	94.7348	-666	PKC	3.4	0	9.0	0	1.0	-1	0.372	0	3.348	1	9.001	1	1857	56	1.2
9513.3	10000	38.5476	94.7340	-667	PKC	3.4	0	9.3	0	1.0	-1	0.366	0	3.432	1	9.386	1	1857	43	1.1
9513.2	10000	38.5476	94.7333	-669	PKC	3.4	0	9.3	0	1.0	-1	0.361	0	3.354	1	9.285	1	1848	60	1.1
9513.1	10000	38.5476	94.7325	-671	PKC	3.1	0	9.3	0	1.0	-1	0.338	0	3.196	0	9.448	1	1853	62	1.1
9513.0	10000	38.5476	94.7318	-673	PKC	3.0	0	9.1	0	1.0	-1	0.331	0	3.027	0	9.133	1	1852	46	1.1
9512.9	10000	38.5476	94.7310	-674	PKC	3.0	-1	9.6	0	1.0	-1	0.307	-1	2.905	0	9.456	1	1852	51	1.1
9512.8	10000	38.5476	94.7303	-675	PKC	3.0	0	9.7	0	1.0	-1	0.315	-1	2.936	0	9.330	1	1866	56	1.1
9512.7	10000	38.5475	94.7295	-676	PKC	2.6	-1	9.9	0	1.0	-1	0.266	-1	2.531	-1	9.498	1	1855	58	1.1
9512.6	10000	38.5475	94.7288	-678	PKC	2.7	-1	9.7	0	1.0	0	0.280	-1	2.602	-1	9.301	1	1863	52	1.1
9512.5	10000	38.5475	94.7280	-679	PKC	2.9	-1	9.7	0	1.1	0	0.296	-1	2.702	0	9.137	1	1886	43	1.1
9512.4	10000	38.5475	94.7273	-680	PKC	3.1	0	9.7	0	1.0	0	0.322	0	2.998	0	9.310	1	1900	47	1.1
9512.3	10000	38.5475	94.7265	-681	PKC	3.1	0	10.2	1	1.1	0	0.308	-1	2.922	0	9.496	1	1916	60	1.1
9512.2	10000	38.5475	94.7258	-682	PKC	3.2	0	10.0	1	1.1	0	0.325	0	3.041	0	9.360	1	1945	51	1.1
9512.1	10000	38.5475	94.7250	-683	PKC	3.1	0	10.7	1	1.0	-1	0.292	-1	3.008	0	10.300	2	1982	47	1.1
9512.0	10000	38.5475	94.7243	-684	PKC	3.4	0	10.6	1	1.0	-1	0.320	0	3.285	0	10.254	2	2013	60	1.1
9511.9	10000	38.5475	94.7235	-684	PKC	3.3	0	11.0	1	1.0	-1	0.296	-1	3.110	0	10.509	2	2030	50	1.1
9511.8	10000	38.5474	94.7228	-684	PKC	3.0	-1	11.3	2	1.0	-1	0.265	-1	2.916	0	11.023	2	2040	38	1.0
9511.7	10000	38.5474	94.7220	-684	PKC	2.8	-1	11.3	2	1.1	0	0.249	-1	2.588	-1	10.405	2	2059	57	1.0
9511.6	10000	38.5474	94.7213	-684	PKC	2.9	-1	11.3	2	1.0	-1	0.253	-1	2.744	0	10.848	2	2069	51	1.0
9511.5	10000	38.5474	94.7206	-684	PKC	2.8	-1	11.1	2	1.0	-1	0.242	-1	2.687	0	11.094	2	2051	41	1.0
9511.4	10000	38.5474	94.7198	-684	PKC	2.9	-1	10.8	1	1.0	-1	0.271	-1	2.823	0	10.400	2	2009	42	1.0
9511.3	10000	38.5474	94.7191	-683	PKC	2.8	-1	10.6	1	1.0	-1	0.265	-1	2.735	0	10.336	2	1972	48	1.0
9511.2	10000	38.5474	94.7183	-681	PKC	2.9	-1	10.5	1	1.0	-1	0.268	-1	2.770	0	10.329	2	1958	54	1.0
9511.1	10000	38.5474	94.7176	-681	PKC	2.9	-1	10.3	1	1.0	-1	0.296	-1	2.894	0	9.791	2	1946	50	1.0
9511.0	10000	38.5474	94.7168	-683	PKC	2.9	-1	10.1	1	1.0	-1	0.293	-1	2.858	0	9.745	2	1920	46	1.0
9510.9	10000	38.5473	94.7161	-683	PKC	2.9	-1	10.0	1	1.0	-1	0.294	-1	2.828	0	9.630	2	1897	58	1.0
9510.8	10000	38.5473	94.7153	-682	PKC	2.9	-1	9.9	1	1.0	-1	0.290	-1	2.833	0	9.121	2	1893	49	1.0
9510.7	10000	38.5473	94.7146	-681	PKC	2.9	-1	9.9	1	1.0	-1	0.294	-1	2.840	0	9.002	2	1907	44	1.0
9510.6	10000	38.5473	94.7138	-679	PKC	2.9	-1	9.9	1	1.0	-1	0.279	-1	2.713	0	9.714	2	1925	58	1.0
9510.5	10000	38.5473	94.7131	-678	PKC	2.9	-1	9.9	1	1.0	-1	0.288	-1	2.856	0	9.910	2	1924	49	1.0
9510.4	10000	38.5473	94.7123	-677	PKC	2.9	-1	9.9	1	1.0	-1	0.284	-1	2.820	0	9.633	2	1912	46	1.0
9510.3	10000	38.5473	94.7116	-675	PKC	2.9	-1	9.9	1	1.0	-1	0.315	-1	2.825	0	9.746	2	1928	42	1.0
9510.2	10000	38.5473	94.7108	-673	PKC	3.0	-1	9.9	1	1.0	-1	0.333	-1	2.959	0	9.804	2	1943	43	1.0
9510.1	10000	38.5473	94.7101	-671	PKC	3.0	-1	9.9	1	1.0	-1	0.352	-1	3.147	0	9.934	2	1958	55	1.0
9510.0	10000	38.5472	94.7093	-669	PKC	3.0	-1	9.9	1	1.0	-1	0.365	-1	3.239	0	9.657	2	1970	56	1.0
9509.9	10000	38.5472	94.7086	-666	PKC	3.0	-1	9.9	1	1.0	-1	0.376	-1	3.382	0	9.959	2	1963	58	1.0
9509.8	10000	38.5472	94.7078	-664	PKC	3.0	-1	9.9	1	1.0	-1	0.362	-1	3.159	0	9.578	2	1973	46	1.0
9509.7	10000	38.5472	94.7071	-661	PKC	3.0	-1	9.9	1	1.0	-1	0.355	-1	3.109	0	9.971	2	1958	58	1.0
9509.6	10000	38.5472	94.7063	-657	PKC	3.0	-1	9.9	1	1.0	-1	0.321	-1	2.886	0	9.992	2	1924	49	1.0
9509.5	10000	38.5472	94.7056	-654	PKC	3.0	-1	9.9	1	1.0	-1	0.348	-1	3.067	0	9.392	2	1908	41	1.0
9509.4	10000	38.5472	94.7048	-650	PKC	3.2	-1	9.9	1	1.1	0	0.323	-1	2.997	0	9.610	2	1871	41	1.0

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9509.3	10000	38.5472	94.7041	-646	PKC	3.1	0	9.3	0	1.0	-1	0.338	0	3.156	0	9.325	1	1845	48	1.1
9509.2	10000	38.5472	94.7033	-642	PKC	2.9	-1	9.0	0	1.0	-1	0.325	0	2.852	0	8.776	0	1833	55	1.1
9509.1	10000	38.5471	94.7026	-637	PKC	3.2	0	8.9	0	1.0	-1	0.361	0	3.124	0	8.663	0	1833	40	1.1
9509.0	10000	38.5471	94.7018	-633	PKC	3.3	0	9.1	0	1.0	-1	0.363	0	3.345	1	9.226	1	1847	50	1.1
9508.9	10000	38.5471	94.7011	-629	PKC	3.4	0	9.4	0	1.0	-1	0.361	0	3.454	1	9.575	1	1881	44	1.1
9508.8	10000	38.5471	94.7003	-624	PKC	3.4	0	9.3	0	1.0	-1	0.366	0	3.481	1	9.522	1	1905	44	1.1
9508.7	10000	38.5471	94.6996	-619	PKC	3.5	0	9.6	0	1.0	-1	0.360	0	3.379	1	9.395	1	1960	47	1.1
9508.6	10000	38.5471	94.6989	-615	PKC	3.5	0	9.5	0	1.1	0	0.367	0	3.288	0	8.969	0	1979	34	1.1
9508.5	10000	38.5471	94.6981	-610	PKC	3.5	0	9.6	0	1.0	-1	0.370	0	3.418	1	9.226	1	1989	43	1.1
9508.4	10000	38.5471	94.6974	-606	PKC	3.4	0	9.5	0	1.1	0	0.356	0	3.204	0	9.000	1	1974	37	1.1
9508.3	10000	38.5471	94.6966	-601	PKC	3.3	0	9.4	0	1.1	0	0.349	0	3.123	0	8.952	0	1968	48	1.1
9508.2	10000	38.5471	94.6959	-595	PKC	3.3	0	9.2	0	1.0	-1	0.360	0	3.165	0	8.798	0	1938	51	1.1
9508.1	10000	38.5471	94.6951	-589	PKC	3.2	0	8.9	0	1.1	0	0.357	0	3.039	0	8.511	0	1916	49	1.1
9508.0	10000	38.5470	94.6944	-587	PKC	3.0	0	8.8	0	1.1	0	0.347	0	2.839	0	8.170	0	1881	51	1.1
9507.9	10000	38.5470	94.6936	-586	PKC	3.0	-1	8.8	0	1.1	0	0.342	0	2.834	0	8.286	0	1882	60	1.1
9507.8	10000	38.5470	94.6929	-582	PKC	3.1	0	9.2	0	1.1	0	0.339	0	2.829	0	8.339	0	1893	57	1.1
9507.7	10000	38.5470	94.6921	-579	PKC	3.0	-1	9.3	0	1.1	0	0.321	0	2.767	0	8.612	0	1916	43	1.2
9507.6	10000	38.5470	94.6914	-575	PKC	3.1	0	9.4	0	1.1	0	0.331	0	2.882	0	8.710	0	1935	54	1.2
9507.5	10000	38.5470	94.6906	-571	PKC	2.9	-1	9.5	0	1.1	0	0.310	-1	2.700	0	8.703	0	1951	49	1.2
9507.4	10000	38.5470	94.6899	-569	PKC	3.0	-1	10.4	1	1.1	0	0.288	-1	2.832	0	9.844	1	1959	50	1.2
9507.3	10000	38.5470	94.6891	-567	PKC	2.9	-1	10.3	1	1.0	-1	0.277	-1	2.734	0	9.879	1	1949	55	1.2
9507.2	10000	38.5469	94.6884	-565	PKC	2.7	-1	10.0	1	1.1	0	0.272	-1	2.594	-1	9.549	1	1925	55	1.2
9507.1	10000	38.5469	94.6876	-563	PKC	2.8	-1	9.6	1	1.0	-1	0.291	-1	2.754	0	9.469	1	1899	57	1.2
9507.0	10000	38.5469	94.6869	-561	PKC	3.0	-1	9.9	1	1.0	-1	0.301	-1	2.996	0	9.967	1	1871	54	1.2
9506.9	10000	38.5469	94.6861	-559	PKC	2.9	-1	9.9	1	1.0	-1	0.293	-1	2.855	0	9.756	1	1851	49	1.2
9506.8	10000	38.5469	94.6854	-559	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	9.807	1	1844	40	1.2
9506.7	10000	38.5469	94.6846	-559	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	9.568	1	1830	38	1.2
9506.6	10000	38.5469	94.6839	-558	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	9.079	1	1851	40	1.2
9506.5	10000	38.5469	94.6832	-558	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.981	1	1861	49	1.2
9506.4	10000	38.5469	94.6824	-558	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.043	0	1884	49	1.2
9506.3	10000	38.5468	94.6816	-558	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.349	0	1881	44	1.2
9506.2	10000	38.5468	94.6809	-557	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.580	0	1864	57	1.2
9506.1	10000	38.5468	94.6801	-558	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.435	0	1830	70	1.2
9506.0	10000	38.5468	94.6794	-557	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.786	0	1795	43	1.2
9505.9	10000	38.5468	94.6786	-555	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.120	0	1769	47	1.2
9505.8	10000	38.5468	94.6779	-550	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.159	0	1745	45	1.2
9505.7	10000	38.5468	94.6772	-551	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.683	0	1727	56	1.2
9505.6	10000	38.5468	94.6764	-555	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.225	0	1737	44	1.2
9505.5	10000	38.5468	94.6757	-556	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.758	0	1762	65	1.2
9505.4	10000	38.5467	94.6749	-556	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.377	0	1797	42	1.2
9505.3	10000	38.5467	94.6742	-556	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.362	0	1837	58	1.2
9505.2	10000	38.5467	94.6735	-555	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.884	0	1842	46	1.2
9505.1	10000	38.5467	94.6729	-554	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.579	0	1866	53	1.2
9505.0	10000	38.5467	94.6722	-553	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.847	0	1853	55	1.2
9504.9	10000	38.5467	94.6715	-551	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.230	0	1859	52	1.2
9504.8	10000	38.5467	94.6708	-549	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.044	0	1850	54	1.2
9504.7	10000	38.5467	94.6701	-548	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.427	0	1836	59	1.2
9504.6	10000	38.5467	94.6694	-547	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.152	0	1819	47	1.2
9504.5	10000	38.5467	94.6687	-545	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.607	0	1829	45	1.2
9504.4	10000	38.5468	94.6680	-544	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.703	0	1823	46	1.2
9504.3	10000	38.5467	94.6673	-542	PKC	2.8	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.664	0	1849	44	1.2
9504.2	10000	38.5467	94.6666	-542	PKC	2.7	-1	9.8	1	1.0	-1	0.286	-1	2.746	0	8.281	0	1844	44	1.2

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9504.1	10000	38.5467	94.6660	-540	PKC	2.8	-1	9.1	0	0.9	-2	0.306	-1	3.199	0	10.467	2	1860	53	1.4
9504.0	10000	38.5468	94.6653	-537	PKC	3.0	-1	9.1	0	0.8	-2	0.328	0	3.566	1	10.866	2	1877	52	1.4
9503.9	10000	38.5467	94.6646	-535	PKC	3.1	0	9.9	0	0.8	-2	0.308	-1	3.699	1	11.994	3	1907	39	1.4
9503.8	10000	38.5468	94.6639	-535	PKC	3.1	0	9.7	0	0.8	-2	0.322	0	3.695	1	11.480	2	1919	42	1.4
9503.7	10000	38.5468	94.6632	-535	PKC	3.0	0	10.1	1	0.9	-2	0.301	-1	3.556	1	11.803	3	1940	45	1.4
9503.6	10000	38.5468	94.6625	-534	PKC	3.1	0	9.9	0	0.9	-1	0.311	-1	3.488	1	11.208	2	1956	40	1.4
9503.5	10000	38.5468	94.6618	-532	PKC	3.2	0	10.1	1	0.9	-1	0.319	-1	3.575	1	11.214	2	1987	51	1.4
9503.4	10000	38.5468	94.6611	-531	PKC	3.3	0	10.4	1	0.9	-1	0.321	0	3.582	1	11.143	2	1989	51	1.4
9503.3	10000	38.5468	94.6604	-529	PKC	3.1	0	10.4	1	1.0	-1	0.299	-1	3.165	0	10.591	2	1989	50	1.4
9503.2	10000	38.5468	94.6598	-528	PKC	3.0	-1	10.4	1	1.0	-1	0.290	-1	2.926	0	10.079	1	1994	49	1.4
9503.1	10000	38.5468	94.6591	-526	PKC	2.9	-1	10.5	1	1.0	-1	0.276	-1	2.776	0	10.073	1	1984	36	1.4
9503.0	10000	38.5468	94.6584	-525	PKC	3.0	0	10.4	1	1.1	0	0.292	-1	2.879	0	9.861	1	1980	46	1.4
9502.9	10000	38.5468	94.6577	-523	PKC	3.0	0	10.1	1	1.1	0	0.298	-1	2.801	0	9.413	1	1997	51	1.4
9502.8	10000	38.5468	94.6570	-521	PKC	3.0	-1	10.2	1	1.1	0	0.291	-1	2.713	0	9.324	1	1998	54	1.4
9502.7	10000	38.5468	94.6563	-519	PKC	2.9	-1	10.6	1	1.1	0	0.275	-1	2.595	-1	9.445	1	2012	50	1.4
9502.6	10000	38.5468	94.6556	-516	PKC	2.9	-1	11.0	1	1.1	0	0.261	-1	2.545	-1	9.739	1	2037	43	1.4
9502.5	10000	38.5468	94.6549	-515	PKC	3.2	0	10.9	1	1.1	0	0.291	-1	2.942	0	10.114	1	2045	35	1.4
9502.4	10000	38.5468	94.6543	-513	PKC	3.4	0	11.1	1	1.1	0	0.306	-1	3.089	0	10.081	1	2065	44	1.4
9502.3	10000	38.5468	94.6535	-511	PKC	3.3	0	10.9	1	1.2	0	0.300	-1	2.817	0	9.385	1	2081	53	1.4
9502.2	10000	38.5468	94.6529	-510	PKC	3.2	0	11.1	1	1.2	0	0.285	-1	2.720	0	9.551	1	2088	45	1.4
9502.1	10000	38.5468	94.6522	-508	PKC	3.1	0	11.0	1	1.1	0	0.281	-1	2.710	0	9.649	1	2082	46	1.4
9502.0	10000	38.5468	94.6515	-506	PKC	3.1	0	11.3	2	1.1	0	0.277	-1	2.764	0	9.994	1	2095	42	1.4
9501.9	10000	38.5468	94.6508	-505	PKC	3.2	0	11.3	2	1.1	0	0.283	-1	2.923	0	10.337	2	2078	56	1.4
9501.8	10000	38.5468	94.6501	-503	PKC	2.8	-1	11.2	1	1.1	0	0.267	-1	2.622	-1	9.836	1	2071	45	1.4
9501.7	10000	38.5468	94.6494	-502	PKC	2.8	-1	11.2	1	1.1	0	0.253	-1	2.577	-1	10.198	1	2068	60	1.4
9501.6	10000	38.5468	94.6487	-500	PKC	2.8	-1	11.6	2	1.1	0	0.245	-1	2.683	0	10.959	2	2057	46	1.4
9501.5	10000	38.5468	94.6480	-499	PKC	2.8	-1	11.5	2	1.0	-1	0.261	-1	2.906	0	11.140	2	2029	38	1.4
9501.4	10000	38.5468	94.6474	-498	PKC	3.1	0	11.3	2	1.0	-1	0.277	-1	2.994	0	10.825	2	2021	47	1.4
9501.3	10000	38.5468	94.6467	-497	PKC	3.3	0	11.6	2	1.0	-1	0.285	-1	3.029	0	10.611	2	2009	51	1.4
9501.2	10000	38.5468	94.6460	-496	PKC	3.2	0	11.5	2	1.0	-1	0.277	-1	2.992	0	10.270	2	2007	52	1.4
9501.1	10000	38.5468	94.6453	-496	PKC	3.5	0	11.3	2	1.0	-1	0.303	-1	3.078	0	10.153	2	2013	54	1.4
9501.0	10000	38.5468	94.6446	-496	PKC	3.6	0	11.3	2	1.0	-1	0.322	-1	3.239	0	10.055	1	2006	51	1.4
9500.9	10000	38.5468	94.6439	-495	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.436	0	9.788	1	2006	59	1.4
9500.8	10000	38.5468	94.6432	-495	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.450	0	9.606	1	2016	52	1.4
9500.7	10000	38.5468	94.6425	-496	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.355	0	9.037	1	2014	52	1.4
9500.6	10000	38.5468	94.6418	-496	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.310	0	9.989	1	2008	51	1.4
9500.5	10000	38.5468	94.6412	-497	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.155	0	9.391	1	2002	56	1.4
9500.4	10000	38.5468	94.6405	-498	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.263	0	9.752	1	1987	48	1.4
9500.3	10000	38.5468	94.6398	-498	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.107	0	9.718	1	1988	43	1.4
9500.2	10000	38.5468	94.6391	-499	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.912	0	9.735	1	1988	43	1.4
9500.1	10000	38.5468	94.6384	-500	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.807	0	9.926	1	1998	44	1.4
9500.0	10000	38.5468	94.6377	-502	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.667	0	9.406	1	2008	37	1.4
9499.9	10000	38.5468	94.6370	-503	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.695	0	9.320	1	2009	47	1.4
9499.8	10000	38.5468	94.6363	-504	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.008	0	9.797	1	2008	48	1.4
9499.7	10000	38.5468	94.6357	-505	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.872	0	9.661	1	2010	53	1.4
9499.6	10000	38.5468	94.6349	-507	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.851	0	9.484	1	2022	64	1.4
9499.5	10000	38.5468	94.6343	-508	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.847	0	9.925	1	2025	50	1.4
9499.4	10000	38.5468	94.6336	-509	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.749	0	9.823	1	2026	55	1.4
9499.3	10000	38.5468	94.6329	-510	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.988	0	9.507	1	2036	33	1.4
9499.2	10000	38.5468	94.6322	-511	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.988	0	9.622	1	2042	49	1.4
9499.1	10000	38.5468	94.6315	-512	PKC	3.4	0	11.3	2	1.0	-1	0.301	-1	3.029	0	9.167	1	2042	53	1.4
9499.0	10000	38.5468	94.6308	-513	PKC	3.2	0	11.3	2	1.0	-1	0.301	-1	3.084	0	9.086	1	2053	55	1.4

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9498.9	10000	38.5468	94.6301	-513	PKC	3.3	0	11.8	2	1.1	0	0.283	-1	3.136	0	11.067	2	2059	45	1.4
9498.8	10000	38.5468	94.6294	-514	PKC	3.8	1	11.2	2	1.0	-1	0.340	0	3.670	1	10.798	2	2072	54	1.4
9498.7	10000	38.5468	94.6288	-514	PKC	3.6	1	11.2	1	1.1	0	0.319	-1	3.346	1	10.481	2	2090	51	1.4
9498.6	10000	38.5468	94.6281	-516	PKC	3.4	0	11.1	1	1.1	0	0.311	-1	3.050	1	9.820	1	2093	56	1.4
9498.5	10000	38.5468	94.6274	-516	PKC	3.3	0	11.3	2	1.2	0	0.287	-1	2.774	0	9.668	1	2093	43	1.4
9498.4	10000	38.5468	94.6267	-516	PKC	3.4	0	10.9	1	1.2	0	0.310	-1	2.774	0	8.955	0	2106	47	1.4
9498.3	10000	38.5468	94.6260	-517	PKC	3.3	0	10.8	1	1.2	0	0.310	-1	2.787	0	8.994	1	2100	46	1.4
9498.2	10000	38.5468	94.6253	-518	PKC	3.2	0	10.7	1	1.2	0	0.302	-1	2.690	0	8.920	0	2079	70	1.4
9498.1	10000	38.5468	94.6246	-520	PKC	3.7	-1	10.7	1	1.2	0	0.258	-1	2.258	-1	8.748	0	2056	53	1.4
9498.0	10000	38.5468	94.6239	-521	PKC	3.0	-1	10.1	1	1.2	0	0.299	-1	2.581	-1	8.646	0	2009	48	1.4
9497.9	10000	38.5468	94.6232	-522	PKC	3.1	0	9.8	0	1.1	0	0.319	-1	2.830	0	8.865	0	1974	54	1.4
9497.8	10000	38.5468	94.6226	-521	PKC	3.1	0	9.5	0	1.1	0	0.328	0	2.934	0	8.936	0	1950	61	1.4
9497.7	10000	38.5468	94.6219	-521	PKC	3.2	0	9.8	0	1.0	0	0.322	0	3.027	0	9.395	1	1934	54	1.4
9497.6	10000	38.5468	94.6212	-525	PKC	3.3	0	9.5	0	1.1	0	0.342	0	3.098	0	9.066	1	1916	47	1.4
9497.5	10000	38.5468	94.6205	-530	PKC	3.2	0	9.4	0	1.0	0	0.336	0	3.012	0	8.972	1	1907	48	1.4
9497.4	10000	38.5468	94.6198	-533	PKC	3.3	0	9.3	-1	1.0	-1	0.353	0	3.142	0	8.890	0	1897	49	1.4
9497.3	10000	38.5468	94.6191	-537	PKC	3.4	0	9.7	-1	1.0	-1	0.347	0	3.265	0	9.408	1	1895	48	1.4
9497.2	10000	38.5468	94.6184	-540	PKC	3.3	0	9.9	-1	1.0	-1	0.331	0	3.139	0	9.475	1	1900	49	1.4
9497.1	10000	38.5468	94.6177	-544	PKC	3.1	0	9.8	-1	1.0	-1	0.322	0	3.054	0	9.476	1	1909	38	1.4
9497.0	10000	38.5468	94.6171	-548	PKC	3.0	-1	9.5	-1	1.0	-1	0.314	-1	2.850	0	9.078	1	1894	42	1.4
9496.9	10000	38.5468	94.6163	-551	PKC	2.6	-1	9.8	-1	1.0	-1	0.269	-1	2.584	-1	9.608	1	1890	41	1.4
9496.8	10000	38.5468	94.6157	-555	PKC	2.8	-1	9.6	-1	1.0	-1	0.286	-1	2.807	0	9.829	1	1893	53	1.4
9496.7	10000	38.5468	94.6150	-559	PKC	2.6	-1	9.9	-1	1.0	-1	0.268	-1	2.702	0	10.092	1	1878	49	1.4
9496.6	10000	38.5468	94.6143	-562	PKC	2.6	-1	9.9	-1	1.0	-1	0.261	-1	2.640	0	10.125	1	1888	53	1.4
9496.5	10000	38.5468	94.6136	-565	PKC	2.4	-2	9.5	0	1.0	-1	0.251	-1	2.393	-1	9.520	1	1890	51	1.4
9496.4	10000	38.5468	94.6129	-568	PKC	2.7	-1	10.0	1	1.0	-1	0.270	-1	2.645	0	9.794	1	1886	65	1.4
9496.3	10000	38.5468	94.6122	-570	PKC	2.9	-1	10.1	1	1.0	-1	0.283	-1	2.813	0	9.942	1	1897	41	1.4
9496.2	10000	38.5468	94.6115	-572	PKC	3.1	0	9.7	0	1.0	-1	0.318	-1	3.069	0	9.640	1	1914	63	1.4
9496.1	10000	38.5468	94.6108	-574	PKC	3.2	0	9.8	0	1.0	-1	0.328	0	3.232	0	9.839	1	1913	56	1.4
9496.0	10000	38.5468	94.6102	-575	PKC	3.4	-1	9.6	-1	1.0	-1	0.356	0	3.551	1	9.979	1	1923	53	1.4
9495.9	10000	38.5468	94.6095	-577	PKC	3.1	-1	9.7	-1	1.0	-1	0.318	0	3.217	0	10.131	1	1912	46	1.4
9495.8	10000	38.5468	94.6088	-578	PKC	3.4	-1	9.7	-1	1.0	-1	0.337	0	3.792	1	11.250	2	1890	54	1.4
9495.7	10000	38.5468	94.6081	-579	PKC	3.2	-2	9.9	-1	1.0	-1	0.326	0	3.710	1	11.379	2	1884	40	1.4
9495.6	10000	38.5468	94.6074	-581	PKC	3.2	-2	9.7	-1	1.0	-1	0.325	0	3.837	1	11.790	2	1888	44	1.4
9495.5	10000	38.5468	94.6067	-582	PKC	3.5	-1	9.5	-1	1.0	-1	0.365	0	4.020	1	11.026	2	1897	34	1.4
9495.4	10000	38.5468	94.6060	-583	PKC	3.2	-1	10.5	-1	1.0	-1	0.325	0	3.447	1	10.613	2	1918	49	1.4
9495.3	10000	38.5468	94.6053	-584	PKC	3.0	-1	10.3	-1	1.0	-1	0.287	0	3.104	1	10.801	2	1949	50	1.4
9495.2	10000	38.5468	94.6046	-585	PKC	3.4	-1	10.5	-1	1.0	-1	0.330	0	3.515	1	10.658	2	1986	47	1.4
9495.1	10000	38.5468	94.6040	-586	PKC	3.5	-1	10.3	-1	1.0	-1	0.332	0	3.432	1	10.342	2	2037	75	1.4
9495.0	10000	38.5468	94.6033	-588	PKC	3.6	-1	10.7	-1	1.0	-1	0.352	0	3.432	1	9.745	2	2061	49	1.4
9494.9	10000	38.5468	94.6026	-589	PKC	3.6	-1	10.4	-1	1.0	-1	0.337	0	3.197	1	9.480	2	2080	58	1.4
9494.8	10000	38.5468	94.6019	-590	PKC	3.3	-1	9.7	-1	1.0	-1	0.291	-1	3.067	1	9.542	2	2069	49	1.4
9494.7	10000	38.5468	94.6012	-591	PKC	3.5	-1	9.9	-1	1.0	-1	0.306	-1	3.087	1	10.081	2	2050	43	1.4
9494.6	10000	38.5468	94.6005	-592	PKC	3.4	-1	9.7	-1	1.0	-1	0.316	-1	3.024	1	9.579	2	2030	55	1.4
9494.5	10000	38.5468	94.5998	-594	PKC	3.2	-1	9.9	-1	1.0	-1	0.293	-1	2.879	1	9.812	2	2001	53	1.4
9494.4	10000	38.5468	94.5991	-595	PKC	2.9	-1	9.5	-1	1.0	-1	0.275	-1	2.578	1	9.377	2	1965	51	1.4
9494.3	10000	38.5468	94.5984	-596	PKC	2.7	-1	9.7	-1	1.0	-1	0.245	-1	2.387	1	9.740	2	1958	52	1.4
9494.2	10000	38.5468	94.5977	-596	PKC	2.5	-1	9.5	-1	1.0	-1	0.234	-2	2.375	1	10.162	3	1929	52	1.4
9494.1	10000	38.5468	94.5971	-599	PKC	2.6	-1	10.1	-1	1.0	-1	0.260	-1	2.379	1	9.154	2	1926	48	1.4
9494.0	10000	38.5468	94.5964	-601	PKC	2.7	-1	10.1	-1	1.0	-1	0.266	-1	2.567	1	9.647	2	1920	51	1.4
9493.9	10000	38.5468	94.5957	-602	PKC	2.8	-1	10.0	-1	1.0	-1	0.286	-1	2.706	1	9.465	2	1909	49	1.4
9493.8	10000	38.5468	94.5950	-602	PKC	3.0	-1	9.7	-1	1.0	-1	0.308	-1	2.877	1	9.345	2	1915	50	1.4

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9493.7	10000	38.5468	94.5943	-605	PKC	3.2	0	9.7	0	1.0	-1	0.332	0	3.084	0	9.303	1	1913	53	1.4
9493.6	10000	38.5468	94.5936	-609	PKC	3.4	0	9.2	0	1.0	-1	0.371	0	3.383	1	9.105	1	1895	53	1.4
9493.5	10000	38.5469	94.5929	-612	PKC	3.5	0	8.9	0	1.0	-1	0.393	0	3.360	1	8.557	0	1889	52	1.4
9493.4	10000	38.5469	94.5922	-614	PKC	3.3	0	8.9	0	1.0	-1	0.372	0	3.401	1	9.146	1	1850	50	1.4
9493.3	10000	38.5470	94.5914	-612	PKC	3.2	0	8.3	-1	1.0	-1	0.382	0	3.302	1	8.649	0	1767	42	1.4
9493.2	10000	38.5471	94.5907	-609	PKC	2.9	-1	8.1	-1	0.9	-1	0.357	0	3.250	0	9.102	1	1667	45	1.4
9493.1	10000	38.5471	94.5900	-610	PKC	2.6	-1	7.7	-1	0.8	-2	0.334	0	3.149	0	9.424	1	1570	51	1.4
9493.0	10000	38.5472	94.5893	-611	PKC	2.5	-2	7.7	-1	0.7	-2	0.319	-1	3.379	1	10.579	2	1520	49	1.4
9492.9	10000	38.5472	94.5886	-613	PKC	2.3	-2	7.4	-2	0.7	-2	0.310	-1	3.285	0	10.612	2	1503	59	1.4
9492.8	10000	38.5473	94.5879	-614	PKC	2.3	-2	7.6	-1	0.7	-3	0.308	-1	3.440	1	11.187	2	1515	39	1.4
9492.7	10000	38.5473	94.5872	-615	PKC	2.6	-1	7.8	-1	0.7	-3	0.328	0	3.719	1	11.326	2	1566	43	1.4
9492.6	10000	38.5474	94.5865	-616	PKC	3.0	0	8.6	-1	0.7	-2	0.354	0	4.203	2	11.879	3	1666	54	1.4
9492.5	10000	38.5474	94.5857	-616	PKC	3.3	0	8.9	0	0.8	-2	0.367	0	4.153	2	11.310	2	1785	55	1.4
9492.4	10000	38.5475	94.5850	-616	PKC	3.5	0	9.0	0	0.9	-1	0.386	0	3.953	1	10.232	1	1882	62	1.4
9492.3	10000	38.5475	94.5843	-617	PKC	3.5	0	8.8	0	1.0	-1	0.395	0	3.574	1	9.054	1	1926	53	1.4
9492.2	10000	38.5476	94.5836	-620	PKC	3.4	0	8.6	-1	1.0	-1	0.396	0	3.358	1	8.487	1	1926	44	1.4
9492.1	10000	38.5476	94.5829	-624	PKC	3.3	0	8.7	0	1.0	-1	0.384	0	3.213	1	8.375	0	1911	30	1.4
9492.0	10000	38.5477	94.5822	-628	PKC	3.2	0	8.8	0	1.1	0	0.362	0	2.927	0	8.077	0	1892	50	1.4
9491.9	10000	38.5478	94.5815	-630	PKC	3.0	0	8.7	-1	1.1	0	0.349	0	2.765	0	7.934	0	1878	42	1.4
9491.8	10000	38.5478	94.5807	-633	PKC	2.9	-1	8.7	0	1.1	0	0.341	0	2.604	-1	7.644	-1	1871	58	1.4
9491.7	10000	38.5479	94.5800	-635	PKC	2.7	-1	8.6	-1	1.2	0	0.340	0	2.483	-1	7.295	-1	1886	39	1.4
9491.6	10000	38.5479	94.5793	-637	PKC	2.9	-1	8.7	0	1.2	0	0.337	0	2.398	-1	7.122	-1	1926	50	1.4
9491.5	10000	38.5480	94.5786	-639	PKC	3.1	0	9.2	0	1.3	1	0.339	0	2.483	-1	7.318	-1	1962	51	1.4
9491.4	10000	38.5480	94.5779	-642	PKC	3.4	0	9.9	1	1.3	1	0.380	0	2.633	0	6.931	-1	1988	45	1.4
9491.3	10000	38.5481	94.5772	-644	PKC	3.2	0	9.1	1	1.3	1	0.356	0	2.425	-1	6.819	-1	2015	59	1.4
9491.2	10000	38.5481	94.5765	-647	PKC	3.1	0	9.3	1	1.4	1	0.335	0	2.314	-1	6.908	-1	2060	46	1.4
9491.1	10000	38.5482	94.5757	-649	PKC	3.3	0	9.4	1	1.3	1	0.354	0	2.474	-1	6.980	-1	2107	60	1.4
9491.0	10000	38.5483	94.5750	-652	PKC	3.4	0	9.8	1	1.4	1	0.344	0	2.437	-1	7.077	-1	2129	68	1.4
9490.9	10000	38.5483	94.5743	-654	PKC	3.4	0	9.9	1	1.4	2	0.341	0	2.365	-1	6.938	-1	2144	42	1.4
9490.8	10000	38.5484	94.5736	-656	PKC	3.3	0	9.9	1	1.4	1	0.343	0	2.392	-1	6.969	-1	2164	54	1.4
9490.7	10000	38.5484	94.5729	-659	PKC	3.3	0	9.9	1	1.4	1	0.336	0	2.304	-1	6.864	-1	2189	62	1.4
9490.6	10000	38.5485	94.5722	-661	PKC	3.4	0	9.5	1	1.4	1	0.354	0	2.344	-1	6.624	-1	2201	53	1.4
9490.5	10000	38.5485	94.5715	-663	PKC	3.4	0	9.6	1	1.4	1	0.359	0	2.382	-1	6.630	-1	2177	41	1.4
9490.4	10000	38.5486	94.5708	-666	PKC	3.3	0	9.2	1	1.4	1	0.355	0	2.431	-1	6.844	-1	2151	44	1.4
9490.3	10000	38.5486	94.5700	-669	PKC	3.5	0	9.5	1	1.4	1	0.356	0	2.425	-1	6.816	-1	2136	58	1.4
9490.2	10000	38.5487	94.5693	-672	PKC	3.5	0	9.5	1	1.4	1	0.363	0	2.726	-1	7.507	-1	2115	41	1.4
9490.1	10000	38.5488	94.5686	-674	PKC	3.6	0	9.6	1	1.4	1	0.381	0	2.848	-1	7.480	-1	2100	40	1.4
9490.0	10000	38.5488	94.5679	-677	PKC	3.5	0	9.5	1	1.4	1	0.365	0	2.747	-1	7.517	-1	2089	46	1.4
9489.9	10000	38.5489	94.5672	-680	PKC	3.5	0	9.5	1	1.4	1	0.368	0	2.754	-1	7.489	-1	2082	42	1.4
9489.8	10000	38.5489	94.5665	-684	PKC	3.6	0	9.6	1	1.4	1	0.373	0	2.829	-1	7.483	-1	2095	61	1.4
9489.7	10000	38.5490	94.5658	-687	PKC	3.4	0	9.2	1	1.4	1	0.377	0	2.756	-1	7.391	-1	2086	50	1.4
9489.6	10000	38.5490	94.5650	-691	PKC	3.5	0	9.5	1	1.4	1	0.354	0	2.990	-1	7.930	-1	2075	45	1.4
9489.5	10000	38.5491	94.5643	-694	PKC	3.5	0	9.5	1	1.4	1	0.337	0	2.680	-1	7.574	-1	2068	62	1.4
9489.4	10000	38.5491	94.5636	-698	PKC	3.5	0	9.5	1	1.4	1	0.343	0	2.555	-1	7.583	-1	2040	36	1.4
9489.3	10000	38.5492	94.5629	-702	PKC	3.5	0	9.5	1	1.4	1	0.341	0	2.764	-1	7.046	0	2017	43	1.4
9489.2	10000	38.5492	94.5622	-705	PKC	3.5	0	9.5	1	1.4	1	0.312	0	2.972	-1	7.725	0	1991	52	1.4
9489.1	10000	38.5493	94.5615	-708	PKC	3.5	0	9.5	1	1.4	1	0.276	0	2.798	-1	7.977	-1	1954	49	1.4
9489.0	10000	38.5493	94.5608	-711	PKC	3.5	0	9.5	1	1.4	1	0.295	0	2.510	-1	7.098	-1	1961	37	1.4
9488.9	10000	38.5494	94.5600	-714	PKC	3.5	0	9.5	1	1.4	1	0.284	0	2.463	-1	7.083	-1	1972	56	1.4
9488.8	10000	38.5494	94.5593	-717	PKC	3.5	0	9.5	1	1.4	1	0.286	0	2.670	-1	7.088	-1	1981	43	1.4
9488.7	10000	38.5495	94.5586	-720	PKC	3.5	0	9.5	1	1.4	1	0.286	0	2.579	-1	7.063	-1	2016	51	1.4
9488.6	10000	38.5496	94.5579	-722	PKC	3.5	0	9.5	1	1.4	1	0.286	0	2.490	-1	7.088	-1	2041	63	1.4

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9488.5	10000	38.5496	94.5572	-725	PKC	3.0	-1	9.9	0	1.2	0	0.300	-1	2.464	-1	8.217	0	2070	34	1.4
9488.4	10000	38.5497	94.5565	-727	PKC	3.1	0	9.9	0	1.3	1	0.311	-1	2.452	-1	7.884	0	2096	52	1.4
9488.3	10000	38.5497	94.5558	-729	PKC	3.2	0	9.3	0	1.3	1	0.344	0	2.505	-1	7.283	-1	2105	47	1.5
9488.2	10000	38.5498	94.5550	-731	PKC	3.3	0	9.4	0	1.3	1	0.347	0	2.515	-1	7.238	-1	2119	43	1.5
9488.1	10000	38.5498	94.5543	-733	PKC	3.4	0	9.6	0	1.3	1	0.354	0	2.674	0	7.560	-1	2127	50	1.5
9488.0	10000	38.5499	94.5536	-735	PKC	3.4	0	9.7	0	1.3	1	0.348	0	2.640	0	7.593	-1	2112	57	1.5
9487.9	10000	38.5499	94.5529	-737	PKC	3.3	0	9.4	0	1.2	1	0.349	0	2.674	0	7.669	-1	2089	44	1.5
9487.8	10000	38.5500	94.5522	-738	PKC	3.2	0	9.5	0	1.2	1	0.336	0	2.679	0	7.975	0	2067	43	1.5
9487.7	10000	38.5500	94.5515	-740	PKC	3.2	0	9.2	0	1.2	0	0.349	0	2.737	0	7.850	0	2065	50	1.5
9487.6	10000	38.5501	94.5508	-741	PKC	3.4	0	9.2	0	1.1	0	0.372	0	3.008	0	8.093	0	2043	47	1.5
9487.5	10000	38.5501	94.5500	-743	PKC	3.5	-1	8.7	-1	1.1	0	0.400	1	3.163	0	7.904	0	2007	54	1.5
9487.4	10000	38.5502	94.5493	-744	PKC	3.5	0	8.1	-1	1.1	0	0.427	1	3.179	0	7.440	-1	1981	47	1.5
9487.3	10000	38.5503	94.5486	-746	PKC	3.6	1	7.6	-1	1.1	0	0.472	1	3.400	1	7.198	-1	1972	45	1.5
9487.2	10000	38.5503	94.5479	-746	PP	3.8	1	7.3	-1	1.1	0	0.521	2	3.552	1	6.824	-1	1963	42	1.5
9487.1	10000	38.5504	94.5472	-748	PP	3.9	1	7.0	-2	1.1	0	0.559	2	3.690	1	6.596	-1	1952	63	1.5
9487.0	10000	38.5504	94.5465	-748	PP	4.0	1	6.9	-2	1.1	0	0.583	2	3.811	1	6.535	-1	1943	45	1.5
9486.9	10000	38.5505	94.5458	-749	PP	4.1	1	6.9	-2	1.0	0	0.597	2	3.951	1	6.621	-1	1962	53	1.5
9486.8	10000	38.5505	94.5450	-751	PP	4.1	1	7.0	-2	1.1	0	0.581	2	3.843	1	6.613	-1	1971	42	1.5
9486.7	10000	38.5506	94.5443	-752	PP	3.9	1	7.2	-2	1.1	0	0.544	2	3.668	1	6.743	-1	1960	49	1.5
9486.6	10000	38.5506	94.5436	-753	PP	3.8	1	7.3	-1	1.1	0	0.529	2	3.505	1	6.630	-1	1963	54	1.5
9486.5	10000	38.5507	94.5429	-754	PP	3.8	1	7.8	-1	1.1	0	0.488	1	3.399	1	6.968	-1	1957	35	1.5
9486.4	10000	38.5508	94.5422	-754	PP	3.8	1	7.9	-1	1.1	0	0.477	1	3.333	0	6.987	-1	1948	41	1.5
9486.3	10000	38.5508	94.5415	-755	PP	3.6	1	8.1	-1	1.1	0	0.447	1	3.227	0	7.214	-1	1938	38	1.5
9486.2	10000	38.5509	94.5408	-756	PP	3.4	1	7.7	-1	1.1	0	0.440	1	3.058	0	6.942	-1	1914	57	1.5
9486.1	10000	38.5509	94.5401	-756	PP	3.2	1	7.8	-1	1.1	0	0.411	0	2.865	0	6.971	-1	1907	55	1.5
9486.0	10000	38.5510	94.5393	-757	PP	3.3	1	7.7	-1	1.1	0	0.429	1	2.905	0	6.765	-1	1906	55	1.5
9485.9	10000	38.5510	94.5386	-758	PP	3.3	1	7.8	-1	1.1	0	0.424	1	2.940	0	6.936	-1	1885	48	1.5
9485.8	10000	38.5511	94.5379	-759	PKC	3.1	1	7.6	-1	1.1	0	0.408	1	2.861	0	7.013	-1	1872	48	1.5
9485.7	10000	38.5511	94.5372	-760	PKC	3.2	2	7.3	-2	1.1	0	0.440	1	3.018	0	6.855	-1	1860	57	1.5
9485.6	10000	38.5512	94.5365	-760	PKC	3.2	2	7.7	-1	1.1	0	0.437	1	3.132	0	7.171	-1	1860	52	1.5
9485.5	10000	38.5512	94.5358	-761	PKC	3.2	2	7.8	-1	1.1	0	0.400	0	2.960	0	7.391	-1	1879	41	1.5
9485.4	10000	38.5513	94.5350	-762	PKC	3.1	2	7.8	-1	1.1	0	0.390	0	2.975	0	7.635	-1	1906	54	1.5
9485.3	10000	38.5514	94.5343	-762	PKC	3.0	2	7.6	-1	1.1	0	0.358	0	2.817	0	7.866	-1	1960	49	1.5
9485.2	10000	38.5514	94.5336	-762	PKC	3.0	2	7.7	-1	1.1	0	0.366	0	2.787	0	7.606	-1	2009	51	1.5
9485.1	10000	38.5515	94.5329	-763	PKC	3.0	2	7.7	-1	1.1	0	0.342	0	2.735	0	7.986	-1	2066	51	1.5
9485.0	10000	38.5515	94.5322	-763	PKC	3.0	2	7.7	-1	1.1	0	0.306	0	2.530	0	8.278	-1	2102	52	1.5
9484.9	10000	38.5516	94.5315	-763	PKC	3.0	2	7.7	-1	1.1	0	0.319	0	2.522	0	7.915	-1	2100	60	1.5
9484.8	10000	38.5516	94.5308	-763	PKC	3.0	2	7.7	-1	1.1	0	0.345	0	2.726	0	7.908	-1	2081	55	1.5
9484.7	10000	38.5517	94.5301	-762	PKC	3.0	2	7.7	-1	1.1	0	0.372	0	2.935	0	7.882	-1	2056	60	1.5
9484.6	10000	38.5517	94.5293	-762	PKC	3.0	2	7.7	-1	1.1	0	0.378	0	2.919	0	7.724	-1	2028	45	1.5
9484.5	10000	38.5518	94.5286	-761	PKC	3.0	2	7.7	-1	1.1	0	0.371	0	2.975	0	8.021	-1	2015	41	1.5
9484.4	10000	38.5518	94.5279	-760	PKC	3.0	2	7.7	-1	1.1	0	0.408	1	2.945	0	7.226	-1	1993	53	1.5
9484.3	10000	38.5519	94.5272	-759	PKC	3.0	2	7.7	-1	1.1	0	0.423	1	2.913	0	6.887	-1	1990	57	1.5
9484.2	10000	38.5519	94.5265	-758	PKC	3.0	2	7.7	-1	1.1	0	0.400	1	2.909	0	7.274	-1	2001	49	1.5
9484.1	10000	38.5520	94.5258	-756	PKC	3.0	2	7.7	-1	1.1	0	0.360	0	2.666	0	7.402	-1	2034	55	1.5
9484.0	10000	38.5521	94.5251	-755	PKC	3.0	2	7.7	-1	1.1	0	0.347	0	2.447	0	7.058	-1	2059	49	1.5
9483.9	10000	38.5521	94.5243	-754	PKC	3.0	2	7.7	-1	1.1	0	0.338	0	2.437	0	6.893	-1	2081	47	1.5
9483.8	10000	38.5522	94.5236	-753	PKC	3.0	2	7.7	-1	1.1	0	0.306	0	2.342	0	6.931	-1	2066	49	1.5
9483.7	10000	38.5523	94.5229	-752	PKC	3.0	2	7.7	-1	1.1	0	0.307	0	2.204	0	7.200	-1	2049	52	1.5
9483.6	10000	38.5523	94.5222	-751	PKC	3.0	2	7.7	-1	1.1	0	0.306	0	2.226	0	7.256	-1	2019	43	1.5
9483.5	10000	38.5524	94.5215	-750	PKC	3.0	2	7.7	-1	1.1	0	0.311	0	2.161	0	7.059	-1	1999	50	1.5
9483.4	10000	38.5524	94.5208	-749	PKC	2.7	1	8.0	-1	1.3	1	0.337	1	2.127	-1	6.828	-1	1972	60	1.5

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9483.3	10000	38.5524	94.5201	-748	PKC	2.8	-1	8.6	-1	1.2	1	0.328	0	2.293	-1	6.999	-1	1933	49	1.5
9483.2	10000	38.5525	94.5193	-748	PKC	2.8	-1	8.6	-1	1.1	1	0.323	0	2.454	-1	7.594	-1	1885	44	1.5
9483.1	10000	38.5525	94.5186	-747	PKC	3.1	0	8.8	0	1.1	0	0.357	0	2.787	0	7.804	0	1881	43	1.5
9483.0	10000	38.5526	94.5179	-746	PKC	3.3	0	8.8	0	1.1	0	0.376	0	2.953	0	7.843	0	1891	45	1.5
9482.9	10000	38.5527	94.5172	-745	PP	3.4	0	8.6	0	1.2	0	0.388	0	2.914	0	7.511	-1	1918	40	1.5
9482.8	10000	38.5527	94.5165	-743	PP	3.5	0	8.7	0	1.2	0	0.404	0	2.935	0	7.258	-1	1959	45	1.5
9482.7	10000	38.5528	94.5158	-742	PP	3.6	0	9.1	0	1.2	1	0.393	0	2.923	0	7.435	-1	1991	54	1.5
9482.6	10000	38.5528	94.5151	-742	PP	3.4	0	9.6	0	1.3	1	0.357	0	2.684	-1	7.515	-1	2038	55	1.5
9482.5	10000	38.5529	94.5143	-740	PP	3.4	0	9.9	1	1.4	2	0.350	0	2.476	-1	7.082	-1	2089	59	1.5
9482.4	10000	38.5529	94.5136	-739	PP	3.1	1	10.0	1	1.4	2	0.311	-1	2.178	-1	6.999	-1	2117	39	1.5
10581.4	10000	38.5481	94.5127	-925	PP	3.2	0	9.4	1	1.3	1	0.341	0	2.424	-1	7.105	-1	2005	57	1.1
10581.3	10000	38.5481	94.5121	-924	PP	3.1	0	9.4	1	1.3	1	0.330	0	2.396	-1	7.252	-1	2001	38	1.1
10581.2	10000	38.5481	94.5114	-924	PP	3.3	0	9.5	1	1.3	1	0.345	0	2.551	-1	7.392	-1	2018	43	1.1
10581.1	10000	38.5481	94.5107	-922	PP	3.4	0	9.5	1	1.3	1	0.357	0	2.615	-1	7.329	-1	2023	40	1.1
10581.0	10000	38.5481	94.5100	-921	PP	3.4	0	9.6	1	1.3	1	0.356	0	2.696	-1	7.578	-1	2046	48	1.1
10580.9	10000	38.5481	94.5093	-920	PP	3.5	0	9.4	1	1.3	1	0.369	0	2.735	0	7.412	-1	2056	43	1.1
10580.8	10000	38.5481	94.5086	-919	PP	3.5	0	8.9	1	1.3	1	0.393	0	2.735	0	6.953	-1	2055	40	1.1
10580.7	10000	38.5481	94.5079	-918	PP	3.6	1	8.9	1	1.3	1	0.404	0	2.812	0	6.970	-1	2074	37	1.1
10580.6	10000	38.5481	94.5072	-916	PP	3.6	1	9.0	1	1.4	1	0.399	0	2.645	-1	6.622	-1	2077	49	1.1
10580.5	10000	38.5481	94.5066	-914	PP	3.3	0	8.5	1	1.4	2	0.388	0	2.407	-1	6.208	-2	2075	50	1.1
10580.4	10000	38.5481	94.5059	-913	PP	3.4	0	8.5	2	1.4	2	0.398	0	2.447	-1	6.153	-2	2078	35	1.1
10580.3	10000	38.5481	94.5052	-913	PP	3.4	0	8.3	-1	1.4	2	0.414	0	2.419	-1	5.838	-2	2081	62	1.1
10580.2	10000	38.5481	94.5045	-913	PP	3.6	1	8.5	2	1.4	2	0.425	1	2.537	-1	5.968	-2	2091	56	1.1
10580.1	10000	38.5481	94.5038	-912	PP	3.6	0	9.0	2	1.4	2	0.398	0	2.501	-1	6.290	-2	2104	56	1.1
10580.0	10000	38.5481	94.5031	-910	PP	3.2	0	9.5	2	1.5	2	0.343	0	2.185	-1	6.366	-1	2111	53	1.1
10579.9	10000	38.5481	94.5024	-909	PP	3.5	0	9.4	2	1.4	2	0.371	0	2.427	-1	6.542	-1	2122	47	1.1
10579.8	10000	38.5481	94.5018	-908	PP	3.7	1	10.0	1	1.4	2	0.372	0	2.578	-1	6.923	-1	2119	47	1.1
10579.7	10000	38.5481	94.5011	-907	PKC	3.5	0	10.0	1	1.4	2	0.348	0	2.441	-1	7.006	-1	2111	54	1.1
10579.6	10000	38.5481	94.5004	-906	PKC	3.3	0	9.7	1	1.4	2	0.321	0	2.261	-1	7.046	-1	2096	49	1.1
10579.5	10000	38.5481	94.4997	-905	PKC	3.2	1	9.7	2	1.4	2	0.309	0	2.090	-1	6.774	-1	2097	43	1.1
10579.4	10000	38.5481	94.4990	-903	PKC	3.2	1	9.9	2	1.4	2	0.302	0	2.110	-1	6.982	-1	2102	45	1.1
10579.3	10000	38.5481	94.4983	-902	PKC	3.3	1	9.9	2	1.4	2	0.342	0	2.380	-1	6.959	-1	2096	55	1.1
10579.2	10000	38.5481	94.4976	-901	PKC	3.3	1	9.9	2	1.4	2	0.333	0	2.314	-1	6.949	-1	2109	52	1.1
10579.1	10000	38.5481	94.4969	-900	PKC	3.3	1	9.9	2	1.4	2	0.333	0	2.220	-1	6.659	-1	2107	52	1.1
10579.0	10000	38.5481	94.4963	-898	PKC	3.3	1	9.9	2	1.4	2	0.342	0	2.213	-1	6.467	-1	2103	56	1.1
10578.9	10000	38.5481	94.4956	-897	PKC	3.3	1	9.9	2	1.4	2	0.324	0	2.147	-1	6.630	-1	2098	52	1.1
10578.8	10000	38.5481	94.4949	-896	PKC	3.3	1	9.9	2	1.4	2	0.326	0	2.254	-1	6.921	-1	2091	58	1.1
10578.7	10000	38.5481	94.4942	-894	PP	3.3	1	9.9	2	1.4	2	0.335	0	2.320	-1	6.481	-1	2101	44	1.1
10578.6	10000	38.5481	94.4935	-893	PP	3.3	1	9.9	2	1.4	2	0.330	0	2.246	-1	6.698	-1	2103	55	1.1
10578.5	10000	38.5481	94.4928	-891	PP	3.3	1	9.9	2	1.4	2	0.345	0	2.298	-1	6.481	-1	2076	53	1.1
10578.4	10000	38.5481	94.4921	-889	PP	3.3	1	9.9	2	1.4	2	0.357	0	2.488	-1	6.586	-1	2082	48	1.1
10578.3	10000	38.5481	94.4915	-887	PP	3.3	1	9.9	2	1.4	2	0.356	0	2.479	-1	7.082	-1	2096	49	1.1
10578.2	10000	38.5481	94.4908	-885	PP	3.3	1	9.9	2	1.4	2	0.369	0	2.488	-1	7.464	-1	2100	48	1.1
10578.1	10000	38.5481	94.4901	-883	PP	3.3	1	9.9	2	1.4	2	0.393	0	2.536	-1	7.259	-1	2093	53	1.1
10578.0	10000	38.5481	94.4894	-880	PP	3.3	1	9.9	2	1.4	2	0.404	0	2.553	-1	7.262	-1	2076	39	1.1
10577.9	10000	38.5481	94.4887	-878	PP	3.3	1	9.9	2	1.4	2	0.399	0	2.552	-1	7.146	-1	2080	53	1.1
10577.8	10000	38.5481	94.4880	-876	PP	3.3	1	9.9	2	1.4	2	0.388	0	2.559	-1	7.422	-1	2103	51	1.1
10577.7	10000	38.5481	94.4873	-874	PP	3.3	1	9.9	2	1.4	2	0.398	0	2.569	-1	7.427	-1	2098	55	1.1
10577.6	10000	38.5481	94.4866	-873	PP	3.3	1	9.9	2	1.4	2	0.414	0	2.625	-1	7.311	-1	2093	64	1.1
10577.5	10000	38.5481	94.4860	-871	PP	3.3	1	9.9	2	1.4	2	0.425	1	2.711	-1	7.703	-1	2102	32	1.1
10577.4	10000	38.5481	94.4853	-868	PP	3.3	1	9.9	2	1.4	2	0.398	0	2.534	-1	7.954	-1	2093	57	1.1
10577.3	10000	38.5481	94.4846	-864	PP	3.3	1	9.9	2	1.4	2	0.343	0	2.540	-1	7.112	-1	2061	60	1.1

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10577.2	10000	38.5481	94.4839	-861	PP	3.6	1	9.1	0	1.2	1	0.391	0	2.875	0	7.357	-1	2027	46	1.1
10577.1	10000	38.5481	94.4832	-859	PP	3.5	0	8.9	0	1.2	1	0.390	0	2.830	0	7.258	-1	2006	44	1.1
10577.0	10000	38.5481	94.4825	-856	PP	3.3	0	9.2	0	1.2	1	0.358	0	2.721	0	7.602	-1	1992	57	1.1
10576.9	10000	38.5481	94.4818	-853	PP	3.3	0	9.0	0	1.2	1	0.369	0	2.725	0	7.396	-1	1994	53	1.1
10576.8	10000	38.5481	94.4811	-850	PP	3.1	0	9.5	0	1.2	0	0.323	-1	2.593	-1	8.016	0	1979	44	1.1
10576.7	10000	38.5481	94.4805	-846	PP	3.1	0	9.5	0	1.2	0	0.327	-1	2.615	-1	8.006	0	1983	41	1.1
10576.6	10000	38.5481	94.4798	-843	PP	3.3	0	9.8	1	1.2	1	0.333	0	2.639	-1	7.932	0	2007	53	1.1
10576.5	10000	38.5481	94.4791	-839	PP	3.3	0	9.1	0	1.2	1	0.360	0	2.646	-1	7.354	-1	2018	54	1.1
10576.4	10000	38.5481	94.4784	-836	PP	3.3	0	9.5	0	1.3	1	0.344	0	2.599	-1	7.566	-1	2014	41	1.1
10576.3	10000	38.5481	94.4777	-832	PP	3.3	0	9.5	1	1.3	1	0.350	0	2.539	-1	7.247	-1	2013	59	1.1
10576.2	10000	38.5481	94.4770	-829	PP	3.1	0	9.8	1	1.3	1	0.314	-1	2.296	-1	7.320	-1	1996	53	1.1
10576.1	10000	38.5481	94.4763	-827	PP	3.2	0	9.7	1	1.3	1	0.331	0	2.439	-1	7.376	-1	1999	51	1.1
10576.0	10000	38.5481	94.4756	-823	PP	3.3	0	9.5	0	1.3	1	0.342	0	2.531	-1	7.405	-1	1985	52	1.1
10575.9	10000	38.5481	94.4750	-818	PP	3.2	0	9.8	1	1.3	1	0.327	-1	2.511	-1	7.686	0	2001	48	1.1
10575.8	10000	38.5481	94.4743	-814	PP	3.2	0	10.1	1	1.3	1	0.318	-1	2.484	-1	7.802	0	2021	56	1.1
10575.7	10000	38.5481	94.4736	-811	PP	3.3	0	9.7	1	1.3	1	0.337	0	2.524	-1	7.495	-1	2039	47	1.1
10575.6	10000	38.5481	94.4729	-808	PP	3.1	0	9.7	1	1.3	1	0.322	-1	2.423	-1	7.525	-1	2042	45	1.1
10575.5	10000	38.5481	94.4722	-805	PP	3.2	0	9.2	1	1.3	1	0.348	0	2.533	-1	7.273	-1	2052	42	1.1
10575.4	10000	38.5481	94.4715	-802	PP	3.3	0	9.5	1	1.3	1	0.357	0	2.487	-1	6.971	-1	2059	55	1.1
10575.3	10000	38.5481	94.4708	-799	PP	3.1	0	9.5	2	1.4	2	0.327	-1	2.243	-1	6.855	-1	2086	50	1.1
10575.2	10000	38.5481	94.4702	-797	PP	3.3	0	9.0	2	1.4	2	0.370	0	2.354	-1	6.354	-1	2073	40	1.1
10575.1	10000	38.5481	94.4695	-795	PP	3.5	0	9.0	2	1.4	2	0.391	0	2.561	-1	6.548	-1	2058	57	1.1
10575.0	10000	38.5481	94.4688	-793	PP	3.5	0	9.0	2	1.4	2	0.384	0	2.418	-1	6.300	-1	2058	48	1.1
10574.9	10000	38.5481	94.4681	-792	PP	3.5	0	9.2	2	1.4	2	0.383	0	2.474	-1	6.465	-1	2068	50	1.1
10574.8	10000	38.5481	94.4674	-790	PP	3.5	0	9.4	2	1.4	2	0.370	0	2.482	-1	6.711	-1	2061	48	1.1
10574.7	10000	38.5481	94.4667	-789	PP	3.5	0	9.3	1	1.4	2	0.372	0	2.527	-1	6.783	-1	2054	45	1.1
10574.6	10000	38.5481	94.4660	-787	PP	3.3	0	9.4	1	1.4	1	0.350	0	2.432	-1	6.955	-1	2024	47	1.1
10574.5	10000	38.5481	94.4653	-786	PP	3.1	0	9.7	1	1.3	1	0.321	-1	2.340	-1	7.293	-1	2021	44	1.1
10574.4	10000	38.5481	94.4647	-785	PP	2.9	-1	10.2	1	1.3	1	0.288	-1	2.192	-1	7.611	-1	2018	41	1.1
10574.3	10000	38.5481	94.4640	-783	PP	2.8	-1	10.3	1	1.3	1	0.274	-1	2.227	-1	8.122	0	2003	50	1.1
10574.2	10000	38.5481	94.4633	-782	PP	2.8	-1	10.3	1	1.3	1	0.271	-1	2.206	-1	8.150	0	1994	39	1.1
10574.1	10000	38.5481	94.4626	-780	PP	2.9	-1	10.4	1	1.3	1	0.290	-1	2.421	-1	8.351	0	2002	47	1.1
10574.0	10000	38.5481	94.4619	-778	PP	3.0	-1	10.6	1	1.3	1	0.262	-1	2.226	-1	8.484	0	1990	43	1.1
10573.9	10000	38.5481	94.4612	-777	PP	3.1	-1	10.2	1	1.3	1	0.287	-1	2.364	-1	8.229	0	1989	43	1.1
10573.8	10000	38.5481	94.4605	-775	PP	3.3	-1	10.0	1	1.3	1	0.305	-1	2.504	-1	8.214	0	1987	34	1.1
10573.7	10000	38.5481	94.4599	-773	PP	3.3	-1	9.9	1	1.3	1	0.332	-1	2.602	-1	7.843	-1	1982	43	1.1
10573.6	10000	38.5481	94.4592	-772	PP	3.3	-1	9.7	1	1.3	1	0.328	-1	2.728	-1	8.321	0	1985	48	1.1
10573.5	10000	38.5481	94.4585	-770	PKC	3.3	-1	9.8	1	1.3	1	0.344	0	2.775	-1	8.067	0	1997	45	1.1
10573.4	10000	38.5481	94.4578	-769	PKC	3.3	-1	9.8	1	1.3	1	0.364	0	2.683	-1	7.363	-1	2007	58	1.1
10573.3	10000	38.5481	94.4571	-768	PKC	3.2	-1	9.8	1	1.3	1	0.422	0	2.915	-1	6.903	-1	2026	44	1.1
10573.2	10000	38.5481	94.4564	-767	PKC	3.2	-1	9.9	1	1.3	1	0.410	0	2.851	-1	6.959	-1	2045	41	1.1
10573.1	10000	38.5481	94.4557	-766	PKC	3.2	-1	9.9	1	1.3	1	0.405	0	2.917	-1	7.197	-1	2059	38	1.1
10573.0	10000	38.5481	94.4550	-766	PKC	3.2	-1	9.9	1	1.3	1	0.394	0	2.924	-1	7.427	-1	2057	50	1.1
10572.9	10000	38.5481	94.4544	-766	PKC	3.2	-1	9.9	1	1.3	1	0.391	0	2.830	-1	7.241	-1	2053	46	1.1
10572.8	10000	38.5481	94.4537	-766	PKC	3.2	-1	9.9	1	1.3	1	0.370	0	2.694	-1	7.288	-1	2055	41	1.1
10572.7	10000	38.5481	94.4530	-766	PKC	3.2	-1	9.9	1	1.3	1	0.318	0	2.362	-1	7.432	-1	2059	32	1.1
10572.6	10000	38.5481	94.4523	-767	PKC	3.2	-1	9.9	1	1.3	1	0.292	-1	2.152	-1	7.375	-1	2070	44	1.1
10572.5	10000	38.5481	94.4516	-767	PKC	3.2	-1	9.9	1	1.3	1	0.319	-1	2.417	-1	7.568	-1	2084	51	1.1
10572.4	10000	38.5481	94.4509	-768	PKC	3.2	-1	9.9	1	1.3	1	0.337	-1	2.470	-1	7.334	-1	2084	41	1.1
10572.3	10000	38.5481	94.4502	-769	PKC	3.2	-1	9.9	1	1.3	1	0.348	-1	2.449	-1	7.048	-1	2093	49	1.1
10572.2	10000	38.5481	94.4496	-769	PKC	3.2	-1	9.9	1	1.3	1	0.346	-1	2.473	-1	7.142	-1	2090	45	1.1
10572.1	10000	38.5481	94.4489	-770	PKC	3.4	-1	9.9	1	1.4	1	0.348	0	2.524	-1	7.262	-1	2056	58	1.1

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10572.0	10000	38.5481	94.4482	-770	PKC	3.5	0	9.6	0	1.2	0	0.369	0	2.929	0	7.945	0	2005	44	1.1
10571.9	10000	38.5481	94.4475	-771	PP	3.4	0	9.5	0	1.1	0	0.358	0	3.068	0	8.577	0	1959	40	1.1
10571.8	10000	38.5481	94.4468	-771	PP	3.2	0	9.1	0	1.1	0	0.355	0	2.921	0	8.233	0	1911	43	1.1
10571.7	10000	38.5481	94.4461	-771	PP	2.7	-1	8.9	0	1.1	0	0.306	-1	2.592	-1	8.463	0	1867	56	1.1
10571.6	10000	38.5481	94.4454	-771	PP	2.6	-1	9.0	0	1.0	-1	0.286	-1	2.558	-1	8.955	1	1824	47	1.1
10571.5	10000	38.5481	94.4447	-771	PP	2.7	-1	8.3	-1	1.0	0	0.322	-1	2.581	-1	8.018	0	1801	51	1.1
10571.4	10000	38.5481	94.4441	-770	PP	3.0	-1	8.1	-1	1.0	0	0.376	0	2.905	0	7.731	0	1807	40	1.1
10571.3	10000	38.5480	94.4434	-769	PP	3.0	-1	8.0	-1	1.1	0	0.373	0	2.655	-1	7.116	-1	1836	49	1.1
10571.2	10000	38.5481	94.4427	-769	PP	3.2	0	8.0	-1	1.2	0	0.402	0	2.753	0	6.854	-1	1842	47	1.1
10571.1	10000	38.5480	94.4420	-772	PP	3.0	-1	8.2	-1	1.2	0	0.370	0	2.543	-1	6.878	-1	1858	53	1.1
10571.0	10000	38.5480	94.4413	-773	PP	3.1	0	8.5	0	1.2	1	0.367	0	2.523	-1	6.883	-1	1888	52	1.1
10570.9	10000	38.5480	94.4406	-773	PP	3.3	0	8.8	0	1.3	1	0.371	0	2.554	-1	6.888	-1	1929	53	1.1
10570.8	10000	38.5479	94.4400	-774	PP	3.3	0	9.3	0	1.3	1	0.355	0	2.587	-1	7.294	-1	1954	63	1.1
10570.7	10000	38.5479	94.4393	-774	PP	3.0	-1	9.4	1	1.3	1	0.313	-1	2.339	-1	7.476	-1	1973	63	1.1
10570.6	10000	38.5479	94.4386	-775	PP	2.9	-1	9.7	1	1.3	1	0.295	-1	2.247	-1	7.621	0	1986	41	1.2
10570.5	10000	38.5479	94.4379	-775	PP	2.6	-1	9.8	1	1.3	1	0.269	-1	1.991	-2	7.408	-1	2018	52	1.2
10570.4	10000	38.5478	94.4372	-775	PP	2.7	-1	10.0	1	1.3	1	0.268	-1	2.089	-1	7.805	0	2042	50	1.2
10570.3	10000	38.5478	94.4366	-775	PP	2.7	-1	9.8	1	1.3	1	0.272	-1	1.991	-2	7.306	-1	2057	54	1.2
10570.2	10000	38.5478	94.4359	-775	PP	2.7	-1	9.4	0	1.4	1	0.286	-1	1.987	-2	6.941	-1	2063	61	1.2
10570.1	10000	38.5478	94.4352	-775	PP	2.8	-1	9.5	0	1.3	1	0.292	-1	2.053	-1	7.027	-1	2074	47	1.2
10570.0	10000	38.5477	94.4345	-775	PP	3.0	-1	9.1	0	1.4	2	0.326	-1	2.155	-1	6.614	-1	2075	54	1.2
10569.9	10000	38.5477	94.4339	-774	PP	3.1	0	8.8	0	1.4	2	0.356	0	2.180	-1	6.131	-2	2073	58	1.2
10569.8	10000	38.5477	94.4332	-774	PP	3.2	0	8.7	0	1.4	2	0.373	0	2.264	-1	6.063	-2	2054	35	1.2
10569.7	10000	38.5476	94.4325	-773	PP	3.2	0	8.4	-1	1.5	2	0.385	0	2.210	-1	5.740	-2	2050	57	1.2
10569.6	10000	38.5476	94.4318	-772	PP	3.3	0	8.5	-1	1.4	2	0.399	0	2.346	-1	5.884	-2	2041	39	1.2
10569.5	10000	38.5476	94.4311	-772	PP	3.2	0	8.2	-1	1.4	2	0.390	0	2.215	-1	5.686	-2	2040	35	1.2
10569.4	10000	38.5475	94.4305	-771	PP	3.1	0	8.6	0	1.4	2	0.359	0	2.149	-1	5.992	-2	2036	48	1.2
10569.3	10000	38.5475	94.4298	-770	PP	3.1	0	8.8	0	1.4	2	0.355	0	2.214	-1	6.234	-2	2034	43	1.2
10569.2	10000	38.5475	94.4291	-770	PP	3.2	0	9.3	0	1.4	2	0.346	0	2.311	-1	6.673	-1	2047	47	1.2
10569.1	10000	38.5475	94.4284	-769	PP	3.3	0	9.5	0	1.4	2	0.341	0	2.324	-1	6.805	-1	2054	39	1.2
10569.0	10000	38.5474	94.4277	-768	PP	3.3	0	9.5	0	1.4	2	0.347	0	2.309	-1	6.908	-1	2063	36	1.2
10568.9	10000	38.5474	94.4270	-768	PP	3.3	0	9.5	0	1.4	2	0.350	0	2.303	-1	7.084	-1	2070	37	1.2
10568.8	10000	38.5474	94.4264	-768	PP	3.3	0	9.5	0	1.4	2	0.350	0	2.328	-1	7.480	-1	2074	48	1.2
10568.7	10000	38.5474	94.4257	-767	PP	3.3	0	9.5	0	1.4	2	0.350	0	2.317	-1	6.859	-1	2087	48	1.2
10568.6	10000	38.5473	94.4250	-768	PP	3.3	0	9.5	0	1.4	2	0.350	0	2.320	-1	6.878	-1	2089	49	1.2
10568.5	10000	38.5473	94.4243	-767	PP	3.3	0	9.5	0	1.4	2	0.350	0	2.321	-1	6.697	-1	2089	48	1.2
10568.4	10000	38.5473	94.4236	-767	PP	3.3	0	9.5	0	1.4	2	0.350	0	2.333	-1	7.067	-1	2097	51	1.2
10568.3	10000	38.5472	94.4230	-768	PP	3.3	0	9.5	0	1.4	2	0.350	0	2.339	-1	6.852	-1	2097	49	1.2
10568.2	10000	38.5472	94.4223	-768	PP	3.3	0	9.5	0	1.4	2	0.350	0	2.337	-1	6.720	-1	2118	51	1.2
10568.1	10000	38.5472	94.4216	-768	PP	3.3	0	9.5	0	1.4	2	0.350	0	2.329	-1	6.407	-1	2136	37	1.2
10568.0	10000	38.5472	94.4209	-768	PP	3.3	0	9.5	0	1.4	2	0.350	0	2.290	-1	6.373	-1	2148	34	1.2
10567.9	10000	38.5471	94.4202	-768	PP	3.3	0	9.5	0	1.4	2	0.350	0	2.283	-1	6.424	-2	2154	51	1.2
10567.8	10000	38.5471	94.4196	-768	PM	3.3	0	9.5	0	1.4	2	0.350	0	2.286	-1	6.479	-2	2159	42	1.2
10567.7	10000	38.5471	94.4189	-768	PM	3.3	0	9.5	0	1.4	2	0.350	0	2.313	-1	6.057	-2	2157	51	1.2
10567.6	10000	38.5470	94.4182	-768	PM	3.3	0	9.5	0	1.4	2	0.350	0	2.322	-1	6.151	-2	2174	46	1.2
10567.5	10000	38.5470	94.4175	-768	PM	3.3	0	9.5	0	1.4	2	0.350	0	2.284	-1	5.979	-2	2160	55	1.2
10567.4	10000	38.5470	94.4168	-767	PM	3.3	0	9.5	0	1.4	2	0.350	0	2.310	-1	6.132	-2	2156	51	1.2
10567.3	10000	38.5470	94.4162	-767	PM	3.3	0	9.5	0	1.4	2	0.350	0	2.308	-1	6.449	-2	2145	52	1.2
10567.2	10000	38.5469	94.4155	-766	PM	3.3	0	9.5	0	1.4	2	0.350	0	2.313	-1	6.579	-2	2142	50	1.2
10567.1	10000	38.5469	94.4148	-766	PM	3.3	0	9.5	0	1.4	2	0.350	0	2.313	-1	6.455	-2	2130	61	1.2
10567.0	10000	38.5469	94.4141	-765	PM	3.3	0	9.5	0	1.4	2	0.350	0	2.313	-1	6.416	-2	2110	57	1.2
10566.9	10000	38.5468	94.4134	-764	PM	3.3	0	9.5	0	1.4	2	0.350	0	2.295	-1	6.718	-2	2076	47	1.2

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10566.8	10000	38.5468	94.4128	-764	PM	3.0	0	9.9	0	1.5	3	0.307	-1	2.031	-2	6.611	-2	2051	50	1.2
10566.7	10000	38.5468	94.4121	-763	PM	2.8	-1	9.9	0	1.4	2	0.287	-1	2.031	-2	7.078	-1	1995	43	1.2
10566.6	10000	38.5468	94.4114	-763	PM	2.9	-1	9.5	0	1.3	1	0.308	-1	2.283	-1	7.410	-1	1951	46	1.2
10566.5	10000	38.5467	94.4107	-762	PM	2.8	-1	8.9	0	1.3	1	0.316	-1	2.220	-1	7.031	-1	1908	51	1.2
10566.4	10000	38.5467	94.4100	-762	PM	2.7	-1	8.9	-1	1.2	1	0.308	-1	2.312	-1	7.506	-1	1867	36	1.2
10566.3	10000	38.5467	94.4094	-762	PM	2.8	-1	9.2	0	1.1	0	0.306	-1	2.457	-1	8.023	-1	1854	53	1.2
10566.2	10000	38.5467	94.4087	-761	PM	2.7	-1	9.0	0	1.1	0	0.303	-1	2.497	-1	8.247	0	1828	57	1.2
10566.1	10000	38.5466	94.4080	-761	PM	2.8	-1	9.2	0	1.0	0	0.300	-1	2.713	-1	9.051	0	1812	56	1.2
10566.0	10000	38.5466	94.4073	-760	PM	2.9	-1	8.7	-1	1.0	0	0.340	0	2.889	0	8.507	0	1811	60	1.2
10565.9	10000	38.5466	94.4066	-760	PM	3.2	0	8.3	-1	1.0	0	0.383	0	3.103	0	8.103	-1	1820	40	1.2
10565.8	10000	38.5465	94.4060	-759	PM	3.4	0	8.4	-1	1.0	-1	0.400	1	3.409	0	8.522	0	1836	50	1.2
10565.7	10000	38.5465	94.4053	-758	PM	3.5	0	8.6	-1	1.0	-1	0.404	1	3.568	1	8.831	0	1868	51	1.2
10565.6	10000	38.5465	94.4046	-757	PM	3.4	0	8.8	-1	1.0	-1	0.382	0	3.386	0	8.855	0	1893	52	1.2
10565.5	10000	38.5464	94.4039	-756	PM	3.5	0	8.8	-1	1.0	-1	0.398	1	3.523	1	8.847	0	1921	57	1.2
10565.4	10000	38.5464	94.4032	-754	PM	3.6	0	8.8	-1	1.0	0	0.406	1	3.486	1	8.592	0	1933	54	1.2
10565.3	10000	38.5464	94.4026	-751	PM	3.5	0	9.0	0	1.1	0	0.388	1	3.263	0	8.418	0	1953	50	1.2
10565.2	10000	38.5464	94.4019	-748	PM	3.5	0	9.2	0	1.1	0	0.381	0	3.138	0	8.226	0	1964	46	1.3
10565.1	10000	38.5463	94.4012	-746	PM	3.1	0	9.8	0	1.1	0	0.312	-1	2.659	-1	8.530	0	1993	44	1.3
10565.0	10000	38.5463	94.4005	-745	PM	2.6	-1	9.8	0	1.2	1	0.269	-1	2.176	-1	8.079	-1	1995	53	1.3
10564.9	10000	38.5463	94.3998	-744	PM	2.6	-1	9.8	0	1.2	1	0.267	-1	2.092	-2	7.848	-1	2006	41	1.3
10564.8	10000	38.5462	94.3992	-743	PM	2.8	-1	9.7	0	1.3	1	0.287	-1	2.159	-1	7.517	-1	2015	45	1.3
10564.7	10000	38.5462	94.3985	-741	PM	2.7	-1	9.6	0	1.3	2	0.278	-1	2.014	-2	7.240	-1	2037	35	1.3
10564.6	10000	38.5462	94.3978	-739	PM	2.7	-1	9.8	0	1.4	2	0.277	-1	2.009	-2	7.244	-1	2062	47	1.3
10564.5	10000	38.5462	94.3971	-737	PM	2.5	-1	10.0	1	1.4	2	0.253	-2	1.864	-2	7.360	-1	2072	38	1.3
10564.4	10000	38.5461	94.3964	-735	PM	2.7	-1	9.9	0	1.4	2	0.274	-1	1.982	-2	7.242	-1	2057	48	1.3
10564.3	10000	38.5461	94.3958	-734	PM	3.2	0	9.7	0	1.4	2	0.325	0	2.294	-1	7.052	-1	2055	53	1.3
10564.2	10000	38.5461	94.3951	-733	PM	3.3	0	9.5	0	1.3	2	0.350	0	2.498	-1	7.143	-1	2037	47	1.3
10564.1	10000	38.5461	94.3944	-732	PM	3.0	-1	9.4	0	1.3	2	0.315	-1	2.211	-1	7.028	-1	2011	45	1.3
10564.0	10000	38.5460	94.3937	-731	PM	3.1	0	9.4	0	1.3	2	0.325	0	2.339	-1	7.201	-1	1982	49	1.3
10563.9	10000	38.5460	94.3930	-730	PM	2.9	-1	9.4	0	1.3	2	0.290	-1	2.137	-2	7.366	-1	1954	58	1.3
10563.8	10000	38.5460	94.3924	-729	PM	2.9	-1	9.2	0	1.3	2	0.313	-1	2.195	-1	7.021	-1	1947	61	1.3
10563.7	10000	38.5459	94.3917	-730	PM	3.1	0	9.2	0	1.3	2	0.341	0	2.342	-1	6.871	-1	1939	37	1.3
10563.6	10000	38.5459	94.3910	-731	PM	2.8	-1	9.2	0	1.3	2	0.307	-1	2.178	-1	7.092	-1	1936	51	1.3
10563.5	10000	38.5459	94.3903	-733	PM	2.7	-1	9.4	0	1.3	2	0.295	-1	2.007	-2	6.810	-1	1947	50	1.3
10563.4	10000	38.5459	94.3896	-735	PM	2.7	-1	9.6	0	1.3	2	0.290	-1	2.030	-2	7.006	-1	1974	35	1.3
10563.3	10000	38.5458	94.3890	-737	PM	2.6	-1	9.7	0	1.3	2	0.274	-1	1.944	-2	7.104	-1	1994	49	1.3
10563.2	10000	38.5458	94.3883	-739	PM	2.7	-1	9.7	0	1.3	2	0.292	-1	2.145	-1	7.350	-1	2007	55	1.3
10563.1	10000	38.5458	94.3876	-742	PM	2.7	-1	9.7	0	1.3	2	0.281	-1	2.157	-1	7.672	-1	2011	42	1.3
10563.0	10000	38.5457	94.3869	-745	PM	2.6	-1	9.7	0	1.2	1	0.266	-1	2.121	-2	7.964	-1	2020	41	1.3
10562.9	10000	38.5457	94.3862	-748	PM	2.8	-1	9.7	0	1.2	1	0.291	-1	2.374	-1	8.163	-1	2039	55	1.3
10562.8	10000	38.5457	94.3856	-752	PM	2.9	-1	10.1	1	1.2	1	0.287	-1	2.502	-1	8.726	0	2030	46	1.3
10562.7	10000	38.5457	94.3849	-755	PM	2.9	-1	10.2	1	1.1	1	0.301	-1	2.758	-1	9.160	0	2022	59	1.3
10562.6	10000	38.5456	94.3842	-760	PM	2.9	-1	10.3	1	1.1	1	0.284	-1	2.786	-1	9.824	0	2010	57	1.3
10562.5	10000	38.5456	94.3835	-765	PM	2.8	-1	10.4	1	1.1	0	0.276	-1	2.701	-1	9.796	1	2011	39	1.3
10562.4	10000	38.5456	94.3828	-769	PM	2.7	-1	10.4	1	1.1	0	0.268	-1	2.693	-1	10.058	1	2002	41	1.3
10562.3	10000	38.5455	94.3822	-774	PM	2.7	-1	10.6	1	1.1	0	0.256	-2	2.509	-1	9.798	1	1995	47	1.3
10562.2	10000	38.5455	94.3815	-780	PM	2.4	-1	10.7	1	1.1	0	0.227	-2	2.277	-1	10.011	1	1966	49	1.3
10562.1	10000	38.5455	94.3808	-786	PM	2.5	-1	10.8	1	1.1	0	0.235	-2	2.453	-1	10.434	1	1958	45	1.3
10562.0	10000	38.5454	94.3801	-792	PM	2.6	-1	10.7	1	1.1	0	0.240	-2	2.481	-1	10.333	1	1970	43	1.3
10561.9	10000	38.5454	94.3794	-799	PM	2.6	-1	10.3	1	1.1	0	0.280	-2	2.616	-1	9.336	0	1996	50	1.3
10561.8	10000	38.5454	94.3788	-805	PM	2.8	-1	10.5	1	1.1	0	0.264	-2	2.467	-1	9.347	0	2001	59	1.3
10561.7	10000	38.5454	94.3781	-811	PM	2.8	-1	10.6	1	1.1	0	0.266	-2	2.535	-1	9.536	0	2003	46	1.3

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10561.6	10000	38.5453	94.3774	-818	PM	2.9	-1	10.7	1	1.1	0	0.268	-1	2.618	-1	9.770	1	2015	39	1.3
10561.5	10000	38.5453	94.3767	-823	PM	3.2	0	10.8	1	1.1	0	0.297	-1	3.023	0	10.174	1	2026	55	1.3
10561.4	10000	38.5453	94.3760	-829	PM	3.2	0	10.3	1	1.1	0	0.311	-1	3.016	0	9.701	1	2023	49	1.3
10561.3	10000	38.5452	94.3754	-834	PM	3.0	0	10.1	1	1.1	0	0.303	-1	2.821	0	9.299	0	2020	42	1.3
10561.2	10000	38.5452	94.3747	-839	PM	2.6	-1	10.4	1	1.1	0	0.245	-2	2.417	-1	9.851	1	1999	51	1.3
10561.1	10000	38.5452	94.3740	-843	PM	2.9	-1	10.1	1	1.1	0	0.283	-1	2.680	-1	9.477	0	1990	45	1.3
10561.0	10000	38.5452	94.3733	-847	PM	2.8	-1	10.0	1	1.1	0	0.282	-1	2.507	-1	8.880	0	1995	47	1.3
10560.9	10000	38.5451	94.3726	-850	PM	3.1	0	9.7	0	1.1	0	0.319	-1	2.832	0	8.884	0	1986	47	1.3
10560.8	10000	38.5451	94.3720	-852	PM	3.1	0	9.1	0	1.1	0	0.340	0	2.694	-1	7.918	-1	1983	48	1.3
10560.7	10000	38.5451	94.3713	-852	PM	3.2	0	9.1	0	1.1	0	0.347	0	2.798	0	8.069	-1	1970	45	1.3
10560.6	10000	38.5451	94.3706	-851	PM	3.1	0	9.4	0	1.1	0	0.325	0	2.737	-1	8.420	0	1937	48	1.3
10560.5	10000	38.5450	94.3699	-853	PM	3.4	0	9.4	0	1.1	0	0.359	0	3.096	0	8.624	0	1924	53	1.3
10560.4	10000	38.5450	94.3692	-856	PM	3.3	0	9.6	0	1.1	0	0.341	0	3.094	0	9.075	0	1910	55	1.3
10560.3	10000	38.5450	94.3686	-857	PM	3.2	0	9.5	0	1.0	0	0.337	0	3.068	0	9.103	0	1895	48	1.3
10560.2	10000	38.5449	94.3679	-857	PM	2.9	-1	9.6	0	1.1	0	0.300	-1	2.638	-1	8.802	0	1907	40	1.3
10560.1	10000	38.5449	94.3672	-857	PM	2.7	-1	9.8	0	1.1	0	0.274	-1	2.497	-1	9.108	0	1900	59	1.3
10560.0	10000	38.5449	94.3665	-855	PM	2.7	-1	9.8	0	1.1	0	0.274	-1	2.387	-1	8.717	0	1918	55	1.3
10559.9	10000	38.5449	94.3658	-854	PM	2.8	-1	9.6	0	1.1	0	0.287	-1	2.436	-1	8.492	0	1939	48	1.2
10559.8	10000	38.5448	94.3652	-853	PM	2.9	-1	9.8	0	1.2	0	0.291	-1	2.456	-1	8.449	0	1966	50	1.2
10559.7	10000	38.5448	94.3645	-851	PM	2.9	-1	9.9	1	1.2	1	0.291	-1	2.486	-1	8.546	0	1973	64	1.2
10559.6	10000	38.5448	94.3638	-851	PM	2.8	-1	10.1	1	1.1	0	0.278	-1	2.448	-1	8.794	0	1980	40	1.2
10559.5	10000	38.5447	94.3631	-850	PM	2.9	-1	10.1	1	1.1	0	0.292	-1	2.598	-1	8.898	0	1968	46	1.2
10559.4	10000	38.5447	94.3624	-849	PM	3.1	0	9.8	1	1.1	0	0.314	-1	2.727	-1	8.682	0	1969	48	1.2
10559.3	10000	38.5447	94.3618	-848	PM	3.0	0	10.2	1	1.1	0	0.299	-1	2.678	-1	8.945	0	1957	75	1.2
10559.2	10000	38.5447	94.3611	-847	PM	3.2	0	10.0	1	1.1	0	0.320	-1	2.911	0	9.097	0	1949	50	1.2
10559.1	10000	38.5446	94.3604	-847	PM	3.1	0	9.9	1	1.1	0	0.328	0	2.938	0	8.956	0	1924	39	1.2
10559.0	10000	38.5446	94.3597	-846	PM	3.3	0	9.9	1	1.1	0	0.332	0	2.949	0	8.889	0	1916	47	1.2
10558.9	10000	38.5446	94.3590	-845	PM	3.5	0	9.9	1	1.1	0	0.369	0	3.249	0	8.777	0	1910	42	1.2
10558.8	10000	38.5446	94.3583	-845	PM	3.4	0	9.9	1	1.1	0	0.372	0	3.318	0	8.923	0	1898	36	1.2
10558.7	10000	38.5445	94.3576	-844	PM	3.3	0	9.9	1	1.1	0	0.343	0	3.361	0	9.809	1	1875	58	1.2
10558.6	10000	38.5445	94.3569	-844	PM	3.2	0	9.9	1	1.1	0	0.344	0	3.237	0	9.417	1	1894	48	1.2
10558.5	10000	38.5445	94.3562	-844	PM	3.1	0	9.9	1	1.1	0	0.340	0	3.073	0	9.033	0	1887	56	1.2
10558.4	10000	38.5445	94.3555	-843	PM	3.0	0	9.9	1	1.1	0	0.321	0	2.998	0	9.330	0	1874	39	1.2
10558.3	10000	38.5445	94.3548	-844	PM	2.9	0	9.9	1	1.1	0	0.311	0	2.874	0	9.252	0	1863	46	1.1
10558.2	10000	38.5445	94.3540	-843	PM	2.8	0	9.9	1	1.1	0	0.282	-1	2.749	0	9.758	0	1826	44	1.1
10558.1	10000	38.5445	94.3533	-843	PM	2.8	0	9.9	1	1.1	0	0.285	-1	2.822	0	9.919	0	1786	58	1.1
10558.0	10000	38.5445	94.3526	-842	PM	2.7	0	9.9	1	1.1	0	0.306	-1	2.982	0	9.752	0	1764	54	1.1
10557.9	10000	38.5444	94.3519	-841	PM	2.7	0	9.9	1	1.1	0	0.289	-1	3.099	0	9.735	0	1730	49	1.1
10557.8	10000	38.5444	94.3512	-842	PM	2.6	0	9.9	1	1.1	0	0.272	-1	3.008	0	9.739	0	1739	48	1.1
10557.7	10000	38.5444	94.3505	-843	PM	2.6	0	9.9	1	1.1	0	0.271	-1	2.945	0	9.739	0	1770	46	1.1
10557.6	10000	38.5444	94.3498	-845	PM	2.7	0	9.9	1	1.1	0	0.274	-1	3.042	0	9.752	0	1810	46	1.1
10557.5	10000	38.5444	94.3490	-844	PM	2.9	0	9.9	1	1.1	0	0.281	-1	3.197	0	9.752	0	1858	46	1.1
10557.4	10000	38.5444	94.3483	-843	PM	2.2	0	9.9	1	1.1	0	0.296	-1	3.488	0	9.752	0	1906	46	1.1
10557.3	10000	38.5444	94.3476	-841	PM	2.1	0	9.9	1	1.1	0	0.272	-1	3.256	0	9.752	0	1944	54	1.1
10557.2	10000	38.5444	94.3469	-838	PM	2.2	0	9.9	1	1.1	0	0.297	-1	3.415	0	9.752	0	1974	52	1.1
10557.1	10000	38.5443	94.3462	-835	PM	2.3	0	9.9	1	1.1	0	0.308	-1	3.450	0	9.752	0	1985	57	1.1
10557.0	10000	38.5443	94.3455	-832	PM	2.2	0	9.9	1	1.1	0	0.314	-1	3.593	0	9.752	0	1978	55	1.1
10556.9	10000	38.5443	94.3448	-829	PM	2.5	0	9.9	1	1.1	0	0.332	-1	3.917	0	9.752	0	1962	54	1.1
10556.8	10000	38.5443	94.3441	-826	PM	2.5	0	9.9	1	1.1	0	0.331	-1	3.737	0	9.752	0	1961	45	1.1
10556.7	10000	38.5443	94.3433	-822	PM	2.2	0	9.9	1	1.1	0	0.309	-1	3.398	0	9.752	0	1957	38	1.1
10556.6	10000	38.5443	94.3426	-819	PM	2.3	0	9.9	1	1.1	0	0.322	-1	3.513	0	9.752	0	1959	47	1.1
10556.5	10000	38.5443	94.3419	-814	PM	3.2	0	11.0	2	0.9	-1	0.296	-1	3.450	0	11.658	2	1954	40	1.0

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10556.4	10000	38.5443	94.3412	-810	PM	2.9	-1	11.4	2	0.9	-1	0.258	-2	3.316	0	12.845	3	1950	40	1.0
10556.3	10000	38.5443	94.3405	-805	PM	3.1	0	11.8	2	0.9	-1	0.262	-1	3.440	1	13.134	3	1953	47	1.0
10556.2	10000	38.5442	94.3398	-800	PM	3.1	0	11.6	2	0.9	-1	0.271	-1	3.480	1	12.856	3	1958	47	1.0
10556.1	10000	38.5442	94.3391	-795	PM	3.0	-1	11.2	2	0.9	-1	0.270	-1	3.348	0	12.391	3	1939	51	1.0
10556.0	10000	38.5442	94.3383	-790	PM	3.1	0	11.3	2	0.9	-1	0.274	-1	3.339	0	12.169	2	1934	57	1.0
10555.9	10000	38.5442	94.3376	-784	PM	3.1	0	11.2	2	0.9	-1	0.279	-1	3.386	0	12.141	2	1920	47	1.0
10555.8	10000	38.5442	94.3369	-779	PM	3.2	0	10.6	1	0.9	-1	0.300	-1	3.433	1	11.444	2	1910	63	1.0
10555.7	10000	38.5442	94.3362	-774	PM	3.4	0	10.0	1	0.9	-1	0.342	0	3.631	1	10.606	1	1902	49	0.9
10555.6	10000	38.5442	94.3355	-769	PM	3.3	0	9.5	1	1.0	-1	0.346	0	3.395	1	9.820	1	1889	49	0.9
10555.5	10000	38.5442	94.3348	-764	PM	3.2	0	9.4	1	1.0	-1	0.346	0	3.342	0	9.672	1	1875	50	0.9
10555.4	10000	38.5441	94.3341	-760	PM	3.4	0	9.4	1	0.9	-1	0.360	0	3.603	1	9.996	1	1887	44	0.9
10555.3	10000	38.5441	94.3333	-756	PM	3.6	1	9.3	1	0.9	-1	0.382	0	3.870	1	10.138	1	1892	52	0.9
10555.2	10000	38.5441	94.3326	-752	PM	3.6	1	9.1	1	0.9	-1	0.399	1	3.850	1	9.643	1	1903	59	0.9
10555.1	10000	38.5441	94.3319	-749	PM	3.6	1	9.2	1	0.9	-1	0.395	1	3.861	1	9.772	1	1907	47	0.9
10555.0	10000	38.5441	94.3312	-745	PM	3.8	1	9.2	1	1.0	-1	0.415	1	5.962	1	9.537	0	1915	39	0.9
10554.9	10000	38.5441	94.3305	-743	PM	4.0	1	9.4	1	1.0	-1	0.426	1	4.118	2	9.674	1	1940	47	0.9
10554.8	10000	38.5441	94.3298	-740	PM	3.7	1	9.3	1	1.0	0	0.403	1	3.623	1	8.986	0	1954	49	0.9
10554.7	10000	38.5441	94.3291	-738	PM	3.6	1	9.3	1	1.1	0	0.383	1	3.436	1	8.967	0	1956	56	0.9
10554.6	10000	38.5440	94.3283	-737	PM	3.5	1	9.2	1	1.1	0	0.382	0	3.213	1	8.417	0	1955	37	0.9
10554.5	10000	38.5440	94.3276	-734	PM	3.5	1	9.6	1	1.1	0	0.367	0	3.321	0	9.039	0	1975	52	0.9
10554.4	10000	38.5440	94.3269	-732	PM	3.5	1	9.6	1	1.2	0	0.363	0	3.130	0	8.625	0	1995	58	0.9
10554.3	10000	38.5440	94.3262	-731	PM	3.3	0	9.7	1	1.2	0	0.347	0	2.875	0	8.293	0	2001	42	0.9
10554.2	10000	38.5440	94.3255	-729	PM	3.1	0	9.7	1	1.2	-1	0.319	-1	2.584	-1	8.101	-1	1999	41	0.9
10554.1	10000	38.5440	94.3248	-727	PM	3.3	0	10.2	1	1.2	0	0.326	0	2.831	0	8.672	0	2001	50	0.9
10554.0	10000	38.5440	94.3241	-725	PM	3.5	0	10.1	1	1.2	0	0.347	0	3.014	0	8.674	0	1996	37	0.9
10553.9	10000	38.5440	94.3233	-723	PM	3.4	0	10.3	1	1.2	0	0.330	0	2.977	0	9.019	0	2009	66	0.9
10553.8	10000	38.5439	94.3226	-720	PM	3.3	0	9.7	1	1.2	0	0.337	0	2.800	0	8.306	0	1998	49	0.9
10553.7	10000	38.5439	94.3219	-718	PM	3.3	0	10.0	1	1.1	0	0.332	0	2.939	0	8.858	0	1985	40	0.9
10553.6	10000	38.5439	94.3212	-717	PM	3.4	0	9.9	1	1.1	0	0.344	0	3.159	0	9.191	0	1988	46	0.9
10553.5	10000	38.5439	94.3205	-716	PM	3.6	1	10.0	1	1.0	0	0.357	0	3.401	0	9.528	0	1970	60	0.9
10553.4	10000	38.5439	94.3198	-715	PM	3.4	0	10.1	1	1.1	0	0.341	0	3.229	0	9.474	0	1964	45	0.9
10553.3	10000	38.5439	94.3191	-713	PM	3.3	0	10.1	1	1.1	0	0.316	0	3.024	0	9.572	0	1967	50	0.9
10553.2	10000	38.5439	94.3183	-711	PM	3.2	0	10.1	1	1.1	0	0.308	0	2.955	0	9.595	0	1951	52	0.9
10553.1	10000	38.5439	94.3176	-708	PM	3.1	0	10.1	1	1.1	0	0.285	0	2.842	0	9.969	0	1940	53	0.9
10547.3	10000	38.5445	94.3169	-723	PM	3.4	0	10.1	1	1.1	0	0.319	0	3.607	0	9.162	0	1897	54	0.9
10547.2	10000	38.5445	94.3162	-722	PM	3.4	0	10.1	1	1.1	0	0.322	0	3.692	0	9.369	0	1891	50	0.9
10547.1	10000	38.5446	94.3155	-720	PM	3.4	0	10.1	1	1.1	0	0.330	0	3.736	0	9.304	0	1908	61	0.9
10547.0	10000	38.5446	94.3148	-719	PM	3.4	0	10.1	1	1.1	0	0.325	0	3.812	0	9.643	0	1913	47	0.9
10546.9	10000	38.5446	94.3141	-717	PM	3.4	0	10.1	1	1.1	0	0.308	0	3.884	0	9.377	0	1921	46	0.9
10546.8	10000	38.5446	94.3134	-715	PM	3.4	0	10.1	1	1.1	0	0.296	0	3.869	0	9.678	0	1916	38	0.9
10546.7	10000	38.5446	94.3127	-713	PM	3.4	0	10.1	1	1.1	0	0.316	0	3.246	0	9.268	0	1920	44	0.9
10546.6	10000	38.5446	94.3120	-711	PM	3.4	0	10.1	1	1.1	0	0.323	0	3.386	0	9.470	0	1924	49	0.9
10546.5	10000	38.5447	94.3113	-709	PM	3.4	0	10.1	1	1.1	0	0.302	0	3.132	0	9.379	0	1920	42	0.9
10546.4	10000	38.5447	94.3106	-707	PM	3.4	0	10.1	1	1.1	0	0.294	0	3.182	0	9.839	0	1901	61	0.9
10546.3	10000	38.5447	94.3099	-705	PM	3.4	0	10.1	1	1.1	0	0.317	0	3.288	0	9.360	0	1883	68	0.9
10546.2	10000	38.5447	94.3092	-703	PM	3.4	0	10.1	1	1.1	0	0.343	0	3.252	0	9.546	0	1866	41	0.9
10546.1	10000	38.5447	94.3085	-700	PM	3.4	0	10.1	1	1.1	0	0.360	0	3.279	0	9.116	0	1865	44	0.9
10546.0	10000	38.5447	94.3078	-699	PM	3.4	0	10.1	1	1.1	0	0.347	0	3.211	0	9.964	0	1846	46	0.9
10545.9	10000	38.5448	94.3071	-696	PM	3.4	0	10.1	1	1.1	0	0.374	0	3.075	0	9.428	0	1849	47	0.9
10545.8	10000	38.5448	94.3064	-694	PM	3.4	0	10.1	1	1.1	0	0.379	0	3.088	0	9.215	0	1836	49	0.9
10545.7	10000	38.5448	94.3056	-692	PM	3.4	0	10.1	1	1.1	0	0.359	0	3.079	0	9.617	0	1835	37	0.9
10545.6	10000	38.5448	94.3049	-690	PM	3.4	0	10.1	1	1.1	0	0.359	0	3.079	0	9.782	0	1844	58	0.9

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
10545.5	10000	38.5448	94.3042	-688	PM	2.8	-1	8.7	-1	1.1	0	0.317	-1	2.511	-1	7.915	-1	1847	49	1.1
10545.4	10000	38.5449	94.3035	-686	PM	2.9	-1	9.0	0	1.1	0	0.322	0	2.581	-1	8.006	-1	1857	39	1.1
10545.3	10000	38.5449	94.3028	-684	PM	3.1	0	8.7	-1	1.1	0	0.354	0	2.729	-1	7.704	-1	1878	55	1.0
10545.2	10000	38.5449	94.3021	-683	PM	3.2	0	9.1	0	1.1	0	0.350	0	2.951	0	8.433	0	1895	40	1.0
10545.1	10000	38.5449	94.3014	-681	PM	3.3	0	9.0	0	1.1	0	0.367	0	3.034	0	8.255	0	1924	65	1.0
10545.0	10000	38.5449	94.3007	-679	PM	3.4	0	9.4	0	1.1	0	0.358	0	3.168	0	8.855	0	1924	47	1.0
10544.9	10000	38.5449	94.3000	-677	PM	3.2	0	9.3	0	1.0	0	0.338	0	3.035	0	8.980	0	1925	52	1.0
10544.8	10000	38.5450	94.2993	-675	PM	3.6	1	9.7	0	1.0	0	0.369	0	3.534	1	9.578	1	1938	63	1.0
10544.7	10000	38.5450	94.2986	-672	PM	3.7	1	9.7	0	1.0	0	0.382	0	3.663	1	9.591	1	1927	49	1.0
10544.6	10000	38.5450	94.2979	-669	PM	3.6	1	9.8	0	1.0	0	0.369	0	3.597	1	9.748	1	1923	30	1.0
10544.5	10000	38.5450	94.2972	-666	PM	3.7	1	9.7	0	1.0	0	0.377	0	3.597	1	9.550	0	1916	52	0.9
10544.4	10000	38.5450	94.2965	-663	PM	3.6	1	10.0	1	1.0	0	0.359	0	3.549	1	9.881	1	1929	53	0.9
10544.3	10000	38.5450	94.2958	-659	PM	3.6	1	9.9	0	1.0	0	0.361	0	3.426	1	9.480	0	1941	46	0.9
10544.2	10000	38.5451	94.2951	-655	PM	3.7	1	9.8	0	1.1	0	0.381	0	3.492	1	9.155	0	1961	45	0.9
10544.1	10000	38.5451	94.2944	-651	PM	3.9	1	9.4	0	1.1	1	0.412	1	3.408	1	8.270	0	1970	39	0.9
10544.0	10000	38.5451	94.2937	-647	PM	3.7	1	9.1	0	1.1	1	0.405	1	3.214	0	7.930	-1	2000	45	0.9
10543.9	10000	38.5451	94.2930	-644	PM	3.8	1	8.9	0	1.1	1	0.424	1	3.318	0	7.827	-1	2011	53	0.9
10543.8	10000	38.5451	94.2923	-642	PM	3.9	1	8.7	-1	1.1	2	0.451	2	3.511	1	7.785	-1	2038	48	0.9
10543.7	10000	38.5452	94.2916	-639	PM	4.0	1	8.4	-1	1.1	2	0.476	2	3.568	1	7.488	-1	2048	46	0.9
10543.6	10000	38.5452	94.2909	-638	PM	4.3	2	8.5	-1	1.1	2	0.506	2	3.910	1	7.728	-1	2079	56	0.9
10543.5	10000	38.5452	94.2902	-637	PM	4.5	2	8.7	-1	1.1	3	0.521	3	4.221	2	8.099	-1	2111	47	0.9
10543.4	10000	38.5452	94.2895	-637	PM	4.3	2	8.9	-1	1.0	2	0.488	2	4.124	2	8.454	0	2124	40	0.9
10543.3	10000	38.5452	94.2888	-637	PM	4.4	2	9.1	0	1.0	2	0.449	2	4.220	2	9.402	0	2146	47	0.9
10543.2	10000	38.5452	94.2881	-637	PM	4.4	2	9.3	0	1.0	1	0.428	1	4.283	2	10.015	1	2163	53	0.9
10543.1	10000	38.5453	94.2874	-636	PM	4.4	2	9.6	1	1.0	1	0.417	1	4.474	2	10.722	1	2148	48	0.9
10543.0	10000	38.5453	94.2867	-636	PM	4.6	2	9.7	1	0.9	1	0.426	1	4.942	3	11.605	2	2123	58	0.9
10542.9	10000	38.5453	94.2860	-636	PM	4.4	2	9.5	1	0.9	1	0.417	1	4.933	3	11.828	2	2107	38	0.9
10542.8	10000	38.5453	94.2853	-636	PM	4.2	2	9.4	1	0.9	1	0.401	1	4.700	3	11.710	2	2075	47	0.9
10542.7	10000	38.5453	94.2846	-635	PM	3.9	2	9.0	1	0.9	1	0.368	1	4.726	3	12.857	3	2060	46	0.9
10542.6	10000	38.5453	94.2839	-634	PM	3.8	1	8.8	1	0.9	1	0.382	1	4.801	3	12.560	3	2037	43	0.9
10542.5	10000	38.5454	94.2832	-634	PM	3.6	1	8.8	1	0.8	1	0.393	1	5.071	3	12.892	3	2028	46	0.9
10542.4	10000	38.5454	94.2825	-633	PM	3.4	1	8.8	1	0.8	1	0.368	1	5.460	3	13.104	3	2024	45	0.9
10542.3	10000	38.5454	94.2818	-631	PM	3.0	1	8.8	1	0.8	1	0.342	1	5.275	3	12.515	3	2031	45	0.9
10542.2	10000	38.5454	94.2811	-631	PM	3.0	1	8.8	1	0.8	1	0.343	1	5.012	3	11.715	2	2020	31	1.0
10542.1	10000	38.5454	94.2804	-630	PM	2.8	1	8.7	1	0.8	1	0.339	1	4.916	3	11.541	2	2003	32	1.0
10542.0	10000	38.5455	94.2797	-630	PM	2.7	1	8.8	1	0.8	1	0.365	1	4.960	3	11.855	2	1999	51	1.0
10541.9	10000	38.5455	94.2790	-630	PM	2.6	1	8.8	1	0.8	1	0.343	1	4.770	3	11.986	3	1983	45	1.0
10541.8	10000	38.5455	94.2783	-631	PM	2.6	1	8.8	1	0.8	1	0.316	1	4.411	3	10.796	2	1959	55	1.0
10541.7	10000	38.5455	94.2776	-632	PM	2.6	1	8.8	1	0.8	1	0.327	1	4.481	3	10.657	2	1952	52	0.9
10541.6	10000	38.5455	94.2769	-632	PM	2.6	1	8.8	1	0.8	1	0.353	1	4.396	3	10.611	2	1960	47	0.9
10541.5	10000	38.5455	94.2762	-633	PM	2.6	1	8.8	1	0.8	1	0.376	1	4.708	3	9.874	2	1967	56	0.9
10541.4	10000	38.5456	94.2755	-634	PM	2.6	1	8.8	1	0.8	1	0.382	1	4.766	3	9.868	2	1987	51	0.9
10541.3	10000	38.5456	94.2748	-635	PM	2.6	1	8.8	1	0.8	1	0.382	1	4.670	3	9.868	2	1997	56	0.9
10541.2	10000	38.5456	94.2741	-636	PM	2.6	1	8.8	1	0.8	1	0.379	1	4.762	3	9.856	2	2010	43	0.9
10541.1	10000	38.5456	94.2734	-637	PM	2.6	1	8.8	1	0.8	1	0.352	1	4.715	3	9.805	2	2027	45	0.9
10541.0	10000	38.5456	94.2727	-638	PM	2.6	1	8.8	1	0.8	1	0.336	1	4.703	3	9.671	2	2037	52	0.9
10540.9	10000	38.5456	94.2720	-639	PM	2.6	1	8.8	1	0.8	1	0.302	1	4.603	3	9.603	2	2031	45	0.9
10540.8	10000	38.5457	94.2713	-639	PM	2.6	1	8.8	1	0.8	1	0.286	1	4.229	3	9.746	2	2015	46	1.0
10540.7	10000	38.5457	94.2706	-639	PM	2.6	1	8.8	1	0.8	1	0.305	1	4.941	3	9.935	2	2016	35	1.0
10540.6	10000	38.5457	94.2699	-640	PM	2.6	1	8.8	1	0.8	1	0.288	1	4.837	3	9.602	2	2024	58	1.0
10540.5	10000	38.5457	94.2692	-640	PM	2.6	1	8.8	1	0.8	1	0.289	1	4.932	3	9.406	2	2019	37	1.1
10540.4	10000	38.5457	94.2685	-640	PM	3.0	1	10.3	1	1.1	1	0.291	1	5.713	3	9.376	2	2010	49	1.1

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FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10540.3	10000	38.5457	94.2678	-641	PM	3.1	0	10.2	1	1.1	0	0.301	-1	2.896	0	9.621	1	2005	50	1.1
10540.2	10000	38.5458	94.2671	-641	PM	3.0	-1	10.4	1	1.1	0	0.287	-1	2.842	0	9.889	1	2007	42	1.2
10540.1	10000	38.5458	94.2664	-642	PM	3.0	-1	10.6	1	1.1	0	0.280	-1	2.725	-1	9.721	1	2004	45	1.2
10540.0	10000	38.5458	94.2657	-643	PM	3.1	0	10.0	1	1.1	0	0.311	-1	2.738	-1	8.810	0	1994	57	1.2
10539.9	10000	38.5458	94.2650	-644	PM	2.8	-1	9.8	0	1.2	1	0.288	-1	2.412	-1	8.373	0	1975	56	1.2
10539.8	10000	38.5458	94.2643	-645	PM	3.1	0	10.1	1	1.2	1	0.305	-1	2.641	-1	8.650	0	1976	46	1.2
10539.7	10000	38.5457	94.2636	-646	PM	3.2	0	10.3	1	1.2	1	0.310	-1	2.656	-1	8.559	0	1992	46	1.2
10539.6	10000	38.5457	94.2629	-646	PM	3.1	0	10.5	1	1.2	1	0.294	-1	2.581	-1	8.782	0	1988	49	1.2
10539.5	10000	38.5457	94.2622	-647	PM	3.0	0	10.2	1	1.2	1	0.2[illegible]	-1	2.584	-1	8.683	0	1986	50	1.2
10539.4	10000	38.5457	94.2615	-647	PM	3.1	0	10.0	1	1.1	[illegible]	0.515	-1	2.801	0	8.896	0	2003	44	1.2
10539.3	10000	38.5457	94.2608	-647	PM	2.8	-1	10.8	1	1.0	0	0.259	-1	2.683	-1	10.346	1	1996	67	1.3
10539.2	10000	38.5456	94.2601	-647	PM	2.8	-1	11.3	2	1.0	-1	0.249	-2	2.934	0	11.779	2	1989	46	1.3
10539.1	10000	38.5456	94.2594	-646	PM	2.6	-1	11.3	2	0.9	-1	0.233	-2	2.770	-1	11.910	2	1974	53	1.3
10539.0	10000	38.5456	94.2587	-646	PM	2.6	-1	11.0	2	0.9	-1	0.236	-2	2.799	0	11.857	2	1966	46	1.3
10538.9	10000	38.5456	94.2580	-645	PM	2.7	-1	10.9	1	0.9	-1	0.249	-2	2.879	0	11.560	2	1973	47	1.3
10538.8	10000	38.5456	94.2573	-645	PM	2.6	-1	10.9	1	1.0	-1	0.241	-2	2.738	-1	11.376	2	1971	56	1.3
10538.7	10000	38.5455	94.2566	-644	PM	2.5	-1	11.2	2	1.0	-1	0.227	-2	2.550	-1	11.254	2	1967	33	1.3
10538.6	10000	38.5455	94.2559	-643	PM	2.9	-1	10.6	1	1.1	0	0.277	-1	2.794	0	10.071	1	1985	48	1.3
10538.5	10000	38.5455	94.2552	-643	PM	3.1	0	10.1	1	1.1	0	0.308	-1	2.776	-1	9.003	0	2009	54	1.3
10538.4	10000	38.5455	94.2545	-642	PM	3.1	0	9.9	0	1.1	0	0.317	-1	2.764	-1	8.721	0	2020	62	1.3
10538.3	10000	38.5455	94.2538	-642	PM	3.0	-1	9.9	0	1.2	1	0.304	-1	2.569	-1	8.456	0	2012	61	1.3
10538.2	10000	38.5454	94.2531	-643	PM	3.1	0	9.5	0	1.2	1	0.322	0	2.561	-1	7.958	-1	2007	54	1.3
10538.1	10000	38.5454	94.2524	-644	PM	3.1	0	9.5	0	1.2	1	0.326	0	2.610	-1	7.998	-1	2005	67	1.4
10538.0	10000	38.5454	94.2517	-645	PM	3.1	0	8.9	0	1.2	1	0.347	0	2.579	-1	7.437	-1	1993	59	1.4
10537.9	10000	38.5454	94.2511	-647	PM	2.9	-1	8.9	0	1.2	1	0.322	0	2.444	-1	7.586	-1	1964	43	1.4
10537.8	10000	38.5454	94.2504	-648	PM	2.8	-1	8.8	-1	1.1	0	0.314	-1	2.414	-1	7.697	-1	1936	42	1.4
10537.7	10000	38.5453	94.2497	-650	PM	2.8	-1	8.8	-1	1.1	0	0.315	-1	2.489	-1	7.902	-1	1924	36	1.4
10537.6	10000	38.5453	94.2490	-651	PM	2.8	-1	8.8	-1	1.1	0	0.323	-1	2.599	-1	8.034	-1	1915	48	1.4
10537.5	10000	38.5453	94.2483	-653	PM	2.8	-1	8.8	-1	1.1	0	0.301	-1	2.498	-1	8.305	-1	1905	56	1.4
10537.4	10000	38.5453	94.2476	-654	PM	2.7	-1	8.8	-1	1.1	0	0.283	-1	2.363	-1	8.351	-1	1900	51	1.4
10537.3	10000	38.5452	94.2469	-655	PM	2.7	-1	8.8	-1	1.1	0	0.273	-1	2.386	-1	8.726	-1	1912	35	1.4
10537.2	10000	38.5452	94.2462	-656	PM	2.8	-1	8.8	-1	1.1	0	0.285	-1	2.405	-1	8.434	-1	1933	51	1.4
10537.1	10000	38.5452	94.2455	-658	PM	2.8	-1	8.8	-1	1.1	0	0.286	-1	2.381	-1	8.337	-1	1959	50	1.4
10537.0	10000	38.5452	94.2448	-659	PM	2.8	-1	8.8	-1	1.1	0	0.275	-1	2.190	-1	7.955	-1	1979	46	1.4
10536.9	10000	38.5452	94.2441	-659	PM	2.8	-1	8.8	-1	1.1	0	0.265	-1	2.076	-1	7.826	-1	2008	56	1.4
10536.8	10000	38.5452	94.2434	-660	PM	2.8	-1	8.8	-1	1.1	0	0.254	-1	1.930	-1	7.607	-1	2024	62	1.4
10536.7	10000	38.5451	94.2427	-661	PM	2.8	-1	8.8	-1	1.1	0	0.287	-1	2.236	-1	7.778	-1	2031	44	1.4
10536.6	10000	38.5451	94.2420	-662	PM	2.8	-1	8.8	-1	1.1	0	0.298	-1	2.299	-1	7.726	-1	2047	45	1.4
10536.5	10000	38.5451	94.2413	-663	PM	2.8	-1	8.8	-1	1.1	0	0.270	-1	2.177	-1	7.062	-1	2064	44	1.4
10536.4	10000	38.5451	94.2406	-665	PM	2.8	-1	8.8	-1	1.1	0	0.247	-2	2.014	-2	7.158	-1	2064	43	1.4
10536.3	10000	38.5451	94.2399	-665	PM	2.8	-1	8.8	-1	1.1	0	0.250	-2	2.104	-2	7.405	-1	2078	58	1.4
10536.2	10000	38.5450	94.2392	-666	PM	2.8	-1	8.8	-1	1.1	0	0.248	-2	1.989	-2	7.034	-1	2075	42	1.4
10536.1	10000	38.5450	94.2385	-667	PM	2.8	-1	8.8	-1	1.1	0	0.265	-2	2.227	-2	7.398	-1	2071	50	1.4
10536.0	10000	38.5450	94.2378	-667	PM	2.8	-1	8.8	-1	1.1	0	0.242	-2	2.085	-2	7.628	-1	2081	54	1.4
10535.9	10000	38.5450	94.2371	-668	PM	2.8	-1	8.8	-1	1.1	0	0.230	-2	2.007	-2	7.730	-1	2064	61	1.4
10535.8	10000	38.5449	94.2364	-669	PM	2.8	-1	8.8	-1	1.1	0	0.247	-2	2.125	-2	7.380	-1	2040	51	1.4
10535.7	10000	38.5449	94.2357	-671	PM	2.8	-1	8.8	-1	1.1	0	0.262	-2	2.259	-2	7.654	-1	2023	43	1.4
10535.6	10000	38.5449	94.2350	-672	PM	2.8	-1	8.8	-1	1.1	0	0.260	-2	2.237	-2	7.560	-1	1998	57	1.4
10535.5	10000	38.5449	94.2343	-673	PM	2.8	-1	8.8	-1	1.1	0	0.260	-2	2.241	-2	7.610	-1	1977	44	1.4
10535.4	10000	38.5449	94.2337	-675	PM	2.8	-1	8.8	-1	1.1	0	0.263	-2	2.263	-2	7.978	-1	1965	51	1.4
10535.3	10000	38.5448	94.2330	-676	PM	2.8	-1	8.8	-1	1.1	0	0.263	-2	2.263	-2	8.097	-1	1934	54	1.4
10535.2	10000	38.5448	94.2323	-677	PM	2.8	-1	8.8	-1	1.1	0	0.263	-2	2.263	-2	8.097	-1	1913	44	1.3

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10535.1	10000	38.5448	94.2316	-678	PM	2.5	-2	9.4	0	1.2	0	0.262	-1	2.132	-2	8.131	-1	1904	45	1.3
10535.0	10000	38.5448	94.2309	-678	PM	2.6	-1	8.9	0	1.1	0	0.297	-1	2.332	-1	7.860	-1	1900	35	1.3
10534.9	10000	38.5448	94.2302	-680	PM	2.9	-1	9.1	0	1.2	1	0.322	0	2.485	-1	7.716	-1	1921	62	1.3
10534.8	10000	38.5447	94.2295	-681	PM	3.0	-1	9.2	0	1.2	1	0.324	0	2.444	-1	7.544	-1	1946	45	1.3
10534.7	10000	38.5447	94.2288	-682	PM	3.4	0	9.1	0	1.2	1	0.370	0	2.710	-1	7.324	-1	1979	39	1.3
10534.6	10000	38.5447	94.2281	-682	PM	3.3	0	9.1	0	1.3	1	0.365	0	2.625	-1	7.182	-1	2004	53	1.3
10534.5	10000	38.5447	94.2274	-684	PM	3.2	0	9.0	0	1.3	1	0.356	0	2.529	-1	7.101	-1	2019	58	1.3
10534.4	10000	38.5447	94.2267	-685	PM	3.2	0	9.7	0	1.3	2	0.328	0	2.407	-1	7.340	-1	2044	63	1.3
10534.3	10000	38.5446	94.2260	-684	PM	3.1	0	9.8	0	1.4	2	0.321	-1	2.256	-1	7.036	-1	2057	40	1.3
10534.2	10000	38.5446	94.2253	-685	PM	2.9	-1	9.8	0	1.4	2	0.297	-1	2.105	-2	7.083	-1	2054	49	1.3
10534.1	10000	38.5446	94.2246	-688	PM	3.2	0	9.8	0	1.4	2	0.325	0	2.302	-1	7.093	-1	2052	41	1.3
10534.0	10000	38.5446	94.2239	-689	PM	3.1	0	9.7	0	1.3	1	0.316	-1	2.365	-1	7.475	-1	2035	45	1.3
10533.9	10000	38.5446	94.2232	-690	PM	3.1	0	9.6	0	1.3	1	0.318	-1	2.363	-1	7.429	-1	2030	46	1.3
10533.8	10000	38.5445	94.2225	-692	PM	3.1	0	9.7	0	1.3	1	0.321	-1	2.426	-1	7.565	-1	2046	49	1.2
10533.7	10000	38.5445	94.2218	-694	PM	3.1	0	9.6	0	1.3	1	0.323	0	2.434	-1	7.526	-1	2043	42	1.2
10533.6	10000	38.5445	94.2211	-695	PM	2.8	-1	10.2	1	1.3	1	0.277	-1	2.261	-1	8.156	-1	2059	44	1.2
10533.5	10000	38.5445	94.2204	-696	PM	2.9	-1	10.7	1	1.2	1	0.268	-1	2.351	-1	8.758	0	2067	58	1.2
10533.4	10000	38.5445	94.2197	-697	PM	2.7	-1	10.9	2	1.2	1	0.248	-2	2.248	-1	9.051	0	2071	53	1.2
10533.3	10000	38.5444	94.2190	-698	PM	2.8	-1	11.3	2	1.2	1	0.245	-2	2.290	-1	9.361	0	2090	63	1.2
10533.2	10000	38.5444	94.2184	-699	PM	3.0	-1	11.6	2	1.2	1	0.260	-1	2.593	-1	9.986	1	2097	41	1.2
10533.1	10000	38.5444	94.2177	-700	PM	2.9	-1	11.8	2	1.2	1	0.246	-2	2.501	-1	10.163	1	2105	44	1.2
10533.0	10000	38.5444	94.2170	-701	PM	3.2	0	11.7	2	1.1	0	0.272	-1	2.792	0	10.247	1	2107	41	1.2
10532.9	10000	38.5444	94.2163	-702	PM	3.4	0	11.3	2	1.1	0	0.302	-1	3.009	0	9.948	1	2098	45	1.2
10532.8	10000	38.5443	94.2156	-703	PM	3.4	0	10.1	1	1.1	0	0.336	0	2.978	0	8.851	0	2080	52	1.2
10532.7	10000	38.5443	94.2149	-705	PM	3.3	0	10.1	1	1.2	0	0.332	0	2.899	0	8.737	0	2074	49	1.2
10532.6	10000	38.5443	94.2142	-706	PM	3.2	0	9.6	1	1.2	1	0.338	0	2.622	-1	7.752	-1	2068	45	1.1
10532.5	10000	38.5443	94.2135	-707	PM	3.1	0	9.4	1	1.2	1	0.327	0	2.464	-1	7.539	-1	2062	47	1.1
10532.4	10000	38.5443	94.2128	-709	PM	3.2	0	9.6	1	1.3	1	0.332	0	2.534	-1	7.634	-1	2052	56	1.1
10532.3	10000	38.5442	94.2121	-711	PM	3.0	-1	9.4	1	1.3	1	0.315	-1	2.324	-1	7.376	-1	2053	57	1.1
10532.2	10000	38.5442	94.2114	-712	PM	3.0	-1	9.7	1	1.2	1	0.305	-1	2.413	-1	7.909	-1	2057	52	1.1
10532.1	10000	38.5442	94.2107	-713	PM	3.0	-1	9.7	1	1.2	1	0.285	-1	2.450	-1	8.598	-1	2065	50	1.1
10532.0	10000	38.5442	94.2100	-714	PM	3.0	-1	9.7	1	1.2	1	0.268	-1	2.283	-1	8.511	-1	2061	44	1.1
10531.9	10000	38.5442	94.2093	-715	PM	2.8	-1	9.7	1	1.2	1	0.264	-1	2.384	-1	9.030	-1	2055	62	1.1
10531.8	10000	38.5441	94.2086	-716	PM	2.8	-1	9.7	1	1.2	1	0.255	-2	2.209	-1	8.654	-1	2058	47	1.1
10531.7	10000	38.5441	94.2079	-717	PM	2.8	-1	9.7	1	1.2	1	0.263	-1	2.272	-1	8.637	-1	2049	49	1.1
10531.6	10000	38.5441	94.2072	-718	PM	2.8	-1	9.7	1	1.2	1	0.257	-2	2.409	-1	9.357	-1	2050	61	1.1
10531.5	10000	38.5441	94.2065	-719	PM	2.8	-1	9.7	1	1.2	1	0.264	-1	2.338	-1	8.863	-1	2037	42	1.1
10531.4	10000	38.5440	94.2058	-720	PM	2.8	-1	9.7	1	1.2	1	0.264	-1	2.202	-1	8.344	-1	2032	53	1.1
10531.3	10000	38.5440	94.2051	-721	PM	2.8	-1	9.7	1	1.2	1	0.291	-1	2.395	-1	8.221	-1	2037	38	1.1
10531.2	10000	38.5440	94.2044	-722	PM	2.8	-1	9.7	1	1.2	1	0.294	-1	2.293	-1	7.808	-1	2034	41	1.0
10531.1	10000	38.5440	94.2037	-723	PM	2.8	-1	9.7	1	1.2	1	0.328	0	2.640	-1	8.038	-1	2036	41	1.0
10531.0	10000	38.5440	94.2030	-724	PM	2.8	-1	9.7	1	1.2	1	0.328	0	2.668	-1	8.130	-1	2038	42	1.0
10530.9	10000	38.5439	94.2023	-725	PM	2.8	-1	9.7	1	1.2	1	0.359	0	2.772	-1	7.729	-1	2027	51	1.0
10530.8	10000	38.5439	94.2016	-726	PM	2.8	-1	9.7	1	1.2	1	0.346	0	2.682	-1	7.752	-1	2027	50	1.0
10530.7	10000	38.5439	94.2010	-727	PM	2.8	-1	9.7	1	1.2	1	0.359	0	2.860	-1	7.977	-1	2034	50	1.0
10530.6	10000	38.5439	94.2003	-728	PM	2.8	-1	9.7	1	1.2	1	0.352	0	2.914	-1	8.270	-1	2032	55	1.0
10530.5	10000	38.5439	94.1996	-730	PM	2.8	-1	9.7	1	1.2	1	0.357	0	3.038	-1	8.505	-1	2050	50	1.0
10530.4	10000	38.5438	94.1989	-730	PM	2.8	-1	9.7	1	1.2	1	0.345	0	2.838	-1	8.235	-1	2051	40	1.0
10530.3	10000	38.5438	94.1982	-731	PM	2.8	-1	9.7	1	1.2	1	0.356	0	2.650	-1	7.450	-1	2059	44	1.0
10530.2	10000	38.5438	94.1975	-731	PM	2.8	-1	9.7	1	1.2	1	0.351	0	2.606	-1	7.424	-1	2066	55	1.0
10530.1	10000	38.5438	94.1968	-732	PM	2.8	-1	9.7	1	1.2	1	0.365	0	2.655	-1	7.267	-1	2066	59	1.0
10530.0	10000	38.5438	94.1961	-732	PM	2.8	-1	9.7	1	1.2	1	0.365	0	2.598	-1	7.128	-1	2062	47	1.0

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10529.9	10000	38.5437	94.1954	-732	PM	3.3	0	8.9	-1	1.3	2	0.377	0	2.538	-1	6.742	-2	2064	44	1.0
10529.8	10000	38.5437	94.1947	-732	PM	3.2	0	8.7	-1	1.3	2	0.368	0	2.439	-1	6.630	-2	2048	45	1.0
10529.7	10000	38.5437	94.1940	-732	PM	3.4	0	9.3	0	1.3	2	0.363	0	2.537	-1	6.985	-1	2048	69	1.0
10529.6	10000	38.5437	94.1933	-731	PM	3.3	0	9.3	0	1.3	1	0.351	0	2.584	-1	7.368	-1	2029	46	1.0
10529.5	10000	38.5436	94.1926	-731	PM	3.2	0	9.4	0	1.3	1	0.341	0	2.549	-1	7.470	-1	2036	48	1.0
10529.4	10000	38.5436	94.1919	-732	PM	3.2	0	9.8	0	1.3	1	0.323	0	2.451	-1	7.580	-1	2052	51	1.0
10529.3	10000	38.5436	94.1912	-733	PM	3.1	0	9.8	0	1.3	2	0.320	-1	2.378	-1	7.442	-1	2041	51	1.0
10529.2	10000	38.5436	94.1905	-734	PM	3.2	0	10.2	1	1.3	2	0.320	-1	2.444	-1	7.647	-1	2030	54	1.0
10529.1	10000	38.5436	94.1898	-735	PM	3.4	0	9.9	1	1.3	1	0.340	0	2.589	-1	7.604	-1	2018	50	1.0
10529.0	10000	38.5435	94.1891	-736	PM	3.2	0	10.0	1	1.3	1	0.319	-1	2.470	-1	7.749	-1	2007	52	1.0
10528.9	10000	38.5435	94.1884	-737	PM	3.1	0	10.1	1	1.3	1	0.307	-1	2.388	-1	7.775	-1	2002	44	1.0
10528.8	10000	38.5435	94.1877	-737	PM	2.8	-1	10.1	1	1.3	1	0.280	-1	2.256	-1	8.072	-1	1968	46	1.0
10528.7	10000	38.5435	94.1870	-739	PM	2.8	-1	10.1	1	1.2	1	0.282	-1	2.321	-1	8.244	0	1950	51	1.0
10528.6	10000	38.5435	94.1863	-740	PM	2.7	-1	10.4	1	1.2	1	0.263	-1	2.266	-1	8.615	0	1960	42	1.0
10528.5	10000	38.5434	94.1857	-742	PM	2.7	-1	10.4	1	1.2	1	0.259	-2	2.266	-1	8.748	0	1956	48	1.0
10528.4	10000	38.5434	94.1850	-743	PM	2.6	-1	10.6	1	1.2	1	0.246	-2	2.231	-1	9.077	0	1959	39	1.0
10528.3	10000	38.5434	94.1842	-746	PM	2.7	-1	10.2	1	1.2	1	0.260	-1	2.240	-1	8.618	0	1954	51	1.0
10528.2	10000	38.5434	94.1836	-748	PM	2.8	-1	10.4	1	1.2	1	0.265	-1	2.366	-1	8.931	0	1950	44	1.0
10528.1	10000	38.5434	94.1829	-749	PM	3.0	-1	10.2	1	1.2	1	0.291	-1	2.420	-1	8.324	0	1952	46	1.0
10528.0	10000	38.5433	94.1822	-751	PM	3.0	-1	10.3	1	1.2	1	0.293	-1	2.473	-1	8.444	0	1938	38	1.0
10527.9	10000	38.5433	94.1815	-753	PM	3.1	0	9.7	0	1.2	1	0.318	-1	2.597	-1	8.166	-1	1920	55	1.0
10527.8	10000	38.5433	94.1808	-755	PM	2.9	-1	9.3	0	1.1	0	0.315	-1	2.585	-1	8.212	0	1888	50	1.0
10527.7	10000	38.5433	94.1801	-757	PM	2.9	-1	9.2	0	1.1	0	0.317	-1	2.599	-1	8.191	0	1860	49	1.0
10527.6	10000	38.5433	94.1794	-758	PM	2.8	-1	9.1	0	1.0	0	0.312	-1	2.718	-1	8.717	0	1820	54	1.0
10527.5	10000	38.5432	94.1787	-759	PM	2.9	-1	8.8	-1	1.0	-1	0.326	0	2.940	0	9.015	0	1787	48	1.0
10527.4	10000	38.5432	94.1780	-760	PM	2.7	-1	8.5	-1	0.9	-1	0.312	-1	2.926	0	9.385	0	1729	50	1.0
10527.3	10000	38.5432	94.1773	-761	PM	2.6	-1	8.0	-1	0.9	-1	0.320	-1	2.874	0	8.971	0	1691	52	1.0
10527.2	10000	38.5432	94.1766	-761	PM	2.6	-1	8.4	-1	0.9	-1	0.304	-1	2.917	0	9.590	1	1662	41	1.0
10527.1	10000	38.5432	94.1759	-762	PM	2.6	-1	8.4	-1	0.9	-1	0.301	-1	2.861	0	9.511	0	1661	54	1.0
10527.0	10000	38.5431	94.1752	-762	PM	2.5	-1	8.2	-1	0.9	-1	0.283	-1	2.644	0	9.340	0	1682	43	1.0
10526.9	10000	38.5431	94.1745	-762	PM	2.4	-1	7.9	-1	0.9	-1	0.277	-1	2.565	0	9.251	0	1722	56	1.0
10526.8	10000	38.5431	94.1738	-762	PM	2.5	-1	7.7	-1	0.9	-1	0.268	-1	2.267	-1	8.461	0	1753	54	1.0
10526.7	10000	38.5431	94.1732	-761	PM	2.6	-1	7.9	-1	0.9	-1	0.277	-1	2.302	-1	8.323	0	1816	52	1.0
10526.6	10000	38.5432	94.1725	-761	PM	2.7	-1	8.1	-1	0.9	-1	0.275	-1	2.440	-1	8.885	0	1852	55	1.0
10526.5	10000	38.5432	94.1719	-761	PM	2.7	-1	8.2	-1	0.9	-1	0.273	-1	2.452	-1	8.995	0	1868	48	1.0
10526.4	10000	38.5432	94.1712	-760	PM	2.6	-1	8.1	-1	0.9	-1	0.274	-1	2.447	-1	8.929	0	1874	60	1.0
10526.3	10000	38.5433	94.1706	-760	PM	2.8	-1	8.6	-1	0.9	-1	0.288	-1	2.624	-1	9.124	0	1860	42	1.0
10526.2	10000	38.5433	94.1700	-759	PM	2.8	-1	8.6	-1	0.9	-1	0.294	-1	2.542	-1	8.660	0	1832	45	1.0
10526.1	10000	38.5434	94.1693	-758	PM	2.8	-1	8.6	-1	0.9	-1	0.293	-1	2.576	-1	8.800	0	1797	46	1.0
10526.0	10000	38.5434	94.1687	-757	PM	2.8	-1	8.5	-1	0.9	-1	0.268	-1	2.420	-1	8.045	0	1752	48	1.0
10525.9	10000	38.5434	94.1680	-756	PM	2.8	-1	8.5	-1	0.9	-1	0.273	-1	2.404	-1	8.820	0	1706	46	1.0
10525.8	10000	38.5435	94.1674	-754	PM	2.8	-1	8.5	-1	0.9	-1	0.294	-1	2.426	-1	8.252	0	1665	53	1.0
10525.7	10000	38.5435	94.1667	-754	PM	2.8	-1	8.5	-1	0.9	-1	0.304	-1	2.478	-1	8.143	0	1631	45	1.0
10525.6	10000	38.5435	94.1661	-752	PM	2.8	-1	8.5	-1	0.9	-1	0.296	-1	2.412	-1	8.153	0	1594	52	1.0
10525.5	10000	38.5436	94.1654	-751	PM	2.8	-1	8.5	-1	0.9	-1	0.292	-1	2.583	-1	8.858	0	1567	50	1.0
10525.4	10000	38.5436	94.1648	-750	PM	2.8	-1	8.5	-1	0.9	-1	0.327	-1	2.932	-1	8.004	0	1569	55	1.0
10525.3	10000	38.5436	94.1642	-750	PM	2.8	-1	8.5	-1	0.9	-1	0.331	-1	2.902	-1	8.976	0	1585	45	1.0
10525.2	10000	38.5437	94.1635	-750	PM	2.8	-1	8.5	-1	0.9	-1	0.329	-1	2.901	-1	8.781	0	1609	45	1.0
10525.1	10000	38.5437	94.1629	-750	PM	2.8	-1	8.5	-1	0.9	-1	0.331	-1	2.937	-1	8.885	0	1632	62	1.0
10525.0	10000	38.5437	94.1622	-750	PM	2.8	-1	8.5	-1	0.9	-1	0.339	-1	2.881	-1	8.120	0	1647	53	1.0
10524.9	10000	38.5438	94.1616	-750	PM	2.8	-1	8.5	-1	0.9	-1	0.335	-1	2.919	-1	8.717	0	1675	45	1.0
10524.8	10000	38.5438	94.1609	-750	PM	2.8	-1	8.5	-1	0.9	-1	0.346	-1	2.876	-1	8.302	0	1696	36	1.0

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10524.7	10000	38.5438	94.1603	-751	PM	2.6	-1	8.2	-1	1.0	-1	0.322	0	2.729	-1	8.477	0	1707	42	1.0
10524.6	10000	38.5439	94.1596	-751	PM	2.7	-1	8.3	-1	1.0	-1	0.323	0	2.788	0	8.628	0	1715	68	1.0
10524.5	10000	38.5439	94.1590	-752	PM	2.5	-1	8.1	-1	1.0	-1	0.316	-1	2.630	-1	8.320	0	1721	39	1.0
10524.4	10000	38.5439	94.1584	-753	PM	2.4	-2	8.3	-1	1.0	-1	0.292	-1	2.515	-1	8.617	0	1732	53	1.0
10524.3	10000	38.5440	94.1577	-754	PM	2.6	-1	7.9	-1	0.9	-1	0.325	0	2.834	0	8.717	0	1751	55	1.0
10524.2	10000	38.5440	94.1571	-755	PM	2.5	-2	8.6	-1	0.9	-1	0.288	-1	2.721	-1	9.461	0	1765	45	1.0
10524.1	10000	38.5440	94.1564	-756	PM	2.7	-1	8.6	-1	0.9	-1	0.312	-1	2.930	0	9.389	0	1784	53	1.1
10524.0	10000	38.5441	94.1558	-757	PM	2.7	-1	8.7	-1	0.9	-1	0.312	-1	2.930	0	9.401	0	1794	49	1.1
10523.9	10000	38.5441	94.1551	-759	PM	2.7	-1	8.8	-1	0.9	-1	0.305	-1	2.897	0	9.495	0	1790	49	1.1
10523.8	10000	38.5442	94.1545	-760	PM	2.8	-1	9.5	0	0.9	-1	0.294	-1	2.969	0	10.085	1	1799	44	1.1
10523.7	10000	38.5442	94.1538	-761	PM	2.8	-1	9.3	0	1.0	-1	0.302	-1	2.911	0	9.633	1	1808	66	1.1
10523.6	10000	38.5442	94.1532	-762	PM	2.8	-1	9.5	0	1.1	0	0.292	-1	2.626	-1	9.001	0	1810	50	1.1
10523.5	10000	38.5443	94.1526	-763	PM	2.8	-1	9.1	0	1.1	0	0.303	-1	2.574	-1	8.489	0	1803	52	1.1
10523.4	10000	38.5443	94.1519	-764	PM	2.5	-2	9.2	0	1.1	0	0.268	-1	2.257	-1	8.431	0	1793	63	1.1
10523.3	10000	38.5443	94.1513	-765	PM	2.5	-1	8.9	0	1.1	0	0.285	-1	2.312	-1	8.112	-1	1791	56	1.1
10523.2	10000	38.5444	94.1506	-766	PM	2.7	-1	8.8	-1	1.1	0	0.307	-1	2.444	-1	7.954	-1	1803	51	1.1
10523.1	10000	38.5444	94.1500	-766	PM	2.6	-1	8.7	-1	1.1	0	0.301	-1	2.395	-1	7.955	-1	1805	45	1.1
10523.0	10000	38.5444	94.1493	-766	PM	2.6	-1	8.7	-1	1.1	0	0.298	-1	2.390	-1	8.030	-1	1801	40	1.1
10522.9	10000	38.5445	94.1487	-766	PM	2.6	-1	9.0	-1	1.1	0	0.286	-1	2.378	-1	8.300	0	1807	51	1.1
10522.8	10000	38.5445	94.1480	-765	PM	2.6	-1	8.9	-1	1.1	0	0.294	-1	2.450	-1	8.331	0	1819	58	1.1
10522.7	10000	38.5445	94.1474	-765	PM	2.7	-1	8.6	-1	1.1	0	0.318	-1	2.539	-1	7.998	-1	1820	49	1.1
10522.6	10000	38.5446	94.1467	-765	PM	2.7	-1	9.0	0	1.1	0	0.303	-1	2.577	-1	8.494	0	1823	41	1.1
10522.5	10000	38.5446	94.1461	-765	PM	2.7	-1	9.0	0	1.1	0	0.304	-1	2.584	-1	8.502	0	1811	50	1.1
10522.4	10000	38.5447	94.1455	-765	PM	2.8	-1	8.7	-1	1.0	0	0.324	0	2.713	-1	8.361	0	1810	41	1.1
10522.3	10000	38.5447	94.1448	-766	PM	2.9	-1	8.9	-1	1.0	0	0.326	0	2.861	0	8.771	0	1825	46	1.1
10522.2	10000	38.5447	94.1442	-766	PM	3.2	0	8.8	-1	0.9	-1	0.366	0	3.380	0	9.240	0	1827	55	1.1
10522.1	10000	38.5448	94.1435	-767	PM	3.2	0	9.2	0	0.9	-1	0.348	0	3.391	0	9.737	1	1823	40	1.1
10522.0	10000	38.5448	94.1429	-768	PM	3.0	-1	10.0	1	0.9	-1	0.298	-1	3.214	0	10.776	1	1817	57	1.1
10521.9	10000	38.5448	94.1422	-769	PM	2.9	-1	10.1	1	0.9	-1	0.290	-1	3.140	0	10.810	1	1821	50	1.1
10521.8	10000	38.5449	94.1416	-770	PM	2.8	-1	10.3	1	0.9	-1	0.271	-1	2.956	0	10.915	1	1831	49	1.1
10521.7	10000	38.5449	94.1409	-771	PM	2.6	-1	10.2	1	0.9	-1	0.260	-1	2.788	0	10.722	1	1828	54	1.1
10521.6	10000	38.5449	94.1403	-772	PM	2.8	-1	10.3	1	0.9	-1	0.271	-1	2.864	0	10.560	1	1816	54	1.1
10521.5	10000	38.5450	94.1397	-773	PM	2.6	-1	10.3	1	0.9	-1	0.253	-1	2.607	-1	10.300	1	1801	47	1.1
10521.4	10000	38.5450	94.1390	-774	PM	2.5	-1	9.9	0	1.0	-1	0.257	-1	2.534	-1	9.860	1	1793	45	1.1
10521.3	10000	38.5450	94.1384	-775	PM	2.7	-1	9.3	0	1.0	-1	0.296	-1	2.784	-1	9.415	0	1803	51	1.1
10521.2	10000	38.5451	94.1377	-776	PM	2.8	-1	8.8	-1	1.0	-1	0.297	-1	2.655	-1	8.940	0	1804	55	1.1
10521.1	10000	38.5451	94.1371	-776	PM	2.8	-1	8.8	-1	1.0	-1	0.314	-1	2.596	-1	8.272	0	1808	55	1.1
10521.0	10000	38.5452	94.1364	-777	PM	2.8	-1	8.5	-1	1.1	-1	0.353	-1	2.888	-1	8.177	0	1818	49	1.1
10520.9	10000	38.5452	94.1358	-777	PM	2.8	-1	8.5	-1	1.1	-1	0.350	-1	2.801	-1	8.012	0	1813	52	1.1
10520.8	10000	38.5452	94.1351	-777	PM	2.8	-1	8.4	-1	1.1	-1	0.375	-1	2.832	-1	7.546	0	1823	67	1.1
10520.7	10000	38.5452	94.1345	-778	PM	2.8	-1	8.5	-1	1.1	-1	0.354	-1	2.629	-1	7.422	0	1821	56	1.1
10520.6	10000	38.5453	94.1339	-778	PM	2.8	-1	8.6	-1	1.1	-1	0.357	-1	2.678	-1	7.493	0	1827	39	1.1
10520.5	10000	38.5453	94.1332	-778	PM	2.8	-1	8.6	-1	1.1	-1	0.374	-1	2.643	-1	7.062	-1	1827	50	1.1
10520.4	10000	38.5454	94.1326	-778	PM	2.8	-1	8.6	-1	1.1	-1	0.389	-1	2.717	-1	6.990	-1	1834	48	1.1
10520.3	10000	38.5454	94.1319	-778	PM	2.8	-1	8.6	-1	1.1	-1	0.356	-1	2.529	-1	7.107	-1	1830	58	1.1
10520.2	10000	38.5454	94.1313	-777	PM	2.8	-1	8.6	-1	1.1	-1	0.329	-2	2.396	-1	6.741	-2	1847	53	1.1
10520.1	10000	38.5455	94.1306	-777	PM	2.8	-1	8.6	-1	1.1	-1	0.333	-2	2.379	-1	6.635	-2	1866	45	1.1
10520.0	10000	38.5455	94.1300	-776	PM	2.8	-1	8.6	-1	1.1	-1	0.325	-2	2.342	-1	6.460	-2	1892	42	1.1
10519.9	10000	38.5455	94.1293	-775	PM	2.8	-1	8.6	-1	1.1	-1	0.346	-2	2.377	-1	6.076	-2	1896	49	1.1
10519.8	10000	38.5456	94.1287	-774	PM	2.8	-1	8.6	-1	1.1	-1	0.354	-2	2.376	-1	6.284	-2	1906	57	1.1
10519.7	10000	38.5456	94.1281	-773	PM	2.8	-1	8.6	-1	1.1	-1	0.343	-2	2.327	-1	6.718	-2	1912	44	1.1
10519.6	10000	38.5456	94.1274	-772	PM	3.0	-1	8.7	-1	1.3	-1	0.343	-2	2.327	-1	6.794	-2	1915	33	1.1

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10519.5	10000	38.5457	94.1268	-772	PM	3.0	-1	8.9	0	1.3	1	0.335	0	2.355	-1	7.039	-1	1907	42	1.1
10519.4	10000	38.5457	94.1261	-771	PM	3.3	0	9.0	0	1.2	1	0.364	0	2.707	-1	7.440	-1	1891	51	1.1
10519.3	10000	38.5457	94.1255	-770	PM	3.2	0	8.8	-1	1.2	1	0.368	0	2.777	-1	7.553	-1	1874	57	1.1
10519.2	10000	38.5458	94.1248	-769	PM	3.2	0	9.2	0	1.1	0	0.353	0	2.821	0	7.997	-1	1885	48	1.1
10519.1	10000	38.5458	94.1242	-767	PM	3.2	0	9.1	0	1.1	0	0.352	0	2.831	0	8.035	-1	1888	53	1.1
10519.0	10000	38.5459	94.1236	-766	PM	3.0	-1	8.7	-1	1.1	0	0.343	0	2.614	-1	7.612	-1	1879	46	1.1
10518.9	10000	38.5459	94.1229	-765	PM	3.2	0	9.2	0	1.2	1	0.349	0	2.743	-1	7.854	-1	1908	45	1.1
10518.8	10000	38.5459	94.1223	-764	PM	3.0	-1	9.0	0	1.1	0	0.332	0	2.615	-1	7.870	-1	1916	44	1.1
10518.7	10000	38.5460	94.1216	-762	PM	3.0	-1	9.3	0	1.1	0	0.325	0	2.644	-1	8.143	-1	1941	54	1.1
10518.6	10000	38.5460	94.1210	-762	PM	2.9	-1	9.9	0	1.2	0	0.294	-1	2.522	-1	8.567	0	1950	43	1.1
10518.5	10000	38.5460	94.1203	-760	PM	2.8	-1	9.9	1	1.1	0	0.284	-1	2.459	-1	8.652	0	1953	47	1.1
10518.4	10000	38.5461	94.1197	-760	PM	2.8	-1	10.1	1	1.1	0	0.277	-1	2.428	-1	8.777	0	1959	54	1.1
10518.3	10000	38.5461	94.1190	-760	PM	2.8	-1	10.2	1	1.2	1	0.270	-1	2.373	-1	8.784	0	1976	42	1.1
10518.2	10000	38.5461	94.1184	-760	PM	2.6	-1	9.6	0	1.2	1	0.271	-1	2.238	-1	8.255	0	1967	57	1.1
10518.1	10000	38.5462	94.1178	-760	PM	2.7	-1	9.6	0	1.2	1	0.278	-1	2.180	-1	7.831	-1	1984	41	1.1
10518.0	10000	38.5462	94.1171	-760	PM	2.4	-2	9.5	0	1.2	1	0.254	-2	1.977	-2	7.788	-1	1957	55	1.2
10517.9	10000	38.5462	94.1165	-760	PM	2.6	-1	9.1	0	1.2	1	0.282	-1	2.096	-2	7.428	-1	1950	54	1.2
10517.8	10000	38.5463	94.1158	-762	PM	2.5	-2	9.0	0	1.2	1	0.277	-1	2.022	-2	7.291	-1	1935	50	1.2
10517.7	10000	38.5463	94.1152	-763	PM	2.5	-2	8.9	0	1.2	1	0.278	-1	2.030	-2	7.295	-1	1925	46	1.2
10517.6	10000	38.5463	94.1145	-764	PM	2.4	-2	9.2	0	1.2	1	0.261	-1	2.000	-2	7.657	-1	1902	57	1.2
10517.5	10000	38.5464	94.1139	-765	PM	2.3	-2	9.3	0	1.2	1	0.252	-2	1.890	-2	7.515	-1	1895	59	1.2
10517.4	10000	38.5464	94.1132	-766	PM	2.4	-2	9.4	0	1.2	1	0.259	-1	2.098	-2	8.091	-1	1891	42	1.2
10517.3	10000	38.5464	94.1126	-768	PM	2.8	-1	9.2	0	1.2	1	0.303	-1	2.308	-1	7.627	-1	1908	42	1.2
10517.2	10000	38.5465	94.1120	-769	PM	2.7	-1	9.3	0	1.2	1	0.286	-1	2.201	-1	7.699	-1	1919	48	1.2
10517.1	10000	38.5465	94.1113	-770	PM	2.5	-1	9.2	0	1.2	1	0.276	-1	2.058	-2	7.453	-1	1930	54	1.2
10517.0	10000	38.5466	94.1107	-772	PM	2.6	-1	9.5	0	1.3	1	0.274	-1	2.021	-2	7.390	-1	1943	55	1.2
10516.9	10000	38.5466	94.1100	-773	PM	2.5	-1	9.3	0	1.3	2	0.274	-1	1.948	-2	7.116	-1	1962	70	1.2
10516.8	10000	38.5466	94.1094	-774	PM	2.6	-1	9.5	0	1.3	1	0.283	-1	2.049	-2	7.238	-1	1967	57	1.2
10516.7	10000	38.5467	94.1087	-776	PM	2.5	-1	9.5	0	1.3	1	0.262	-1	1.843	-2	7.030	-1	1978	51	1.2
10516.6	10000	38.5467	94.1081	-777	PM	2.6	-1	9.4	0	1.3	1	0.256	-2	1.840	-2	7.199	-1	1981	48	1.2
10516.5	10000	38.5467	94.1074	-777	PM	2.6	-1	9.3	0	1.3	1	0.279	-1	2.008	-2	7.190	-1	1991	42	1.2
10516.4	10000	38.5468	94.1068	-778	PM	2.6	-1	9.5	0	1.3	1	0.276	-1	1.984	-2	7.195	-1	1991	39	1.2
10516.3	10000	38.5468	94.1061	-779	PM	2.6	-1	9.4	0	1.3	1	0.270	-1	1.961	-2	7.268	-1	1986	36	1.2
10516.2	10000	38.5468	94.1055	-780	PM	2.6	-1	9.5	0	1.3	1	0.276	-1	2.109	-2	7.641	-1	1994	43	1.2
10516.1	10000	38.5469	94.1049	-781	PM	2.6	-1	9.5	0	1.3	1	0.249	-2	1.962	-2	7.890	-1	1992	48	1.2
10516.0	10000	38.5469	94.1042	-782	PM	2.6	-1	9.5	0	1.3	1	0.262	-1	2.157	-2	8.225	0	1967	48	1.2
10515.9	10000	38.5469	94.1036	-783	PM	2.5	-1	9.5	0	1.3	1	0.260	-1	2.165	-2	8.320	0	1961	57	1.2
10515.8	10000	38.5470	94.1029	-784	PM	2.5	-1	9.6	0	1.3	1	0.245	-2	2.107	-2	8.595	0	1956	62	1.2
10515.7	10000	38.5470	94.1023	-786	PM	2.5	-1	9.7	0	1.3	1	0.251	-2	2.234	-1	8.886	0	1935	47	1.2
10515.6	10000	38.5470	94.1016	-787	PM	2.5	-1	9.5	0	1.3	1	0.264	-1	2.349	-1	8.892	0	1945	52	1.2
10515.5	10000	38.5471	94.1010	-788	PM	2.5	-1	9.5	0	1.3	1	0.268	-1	2.262	-1	8.455	0	1939	50	1.2
10515.4	10000	38.5471	94.1003	-789	PM	2.5	-1	9.7	0	1.3	1	0.307	-1	2.472	-1	8.059	-1	1957	48	1.2
10515.3	10000	38.5471	94.0996	-791	PM	2.5	-1	9.7	0	1.3	1	0.322	-1	2.509	-1	7.802	-1	1996	40	1.2
10515.2	10000	38.5471	94.0990	-792	PM	2.5	-1	9.7	0	1.3	1	0.303	-1	2.369	-1	7.818	-1	2036	50	1.2
10515.1	10000	38.5471	94.0983	-793	PM	2.5	-1	9.7	0	1.3	1	0.286	-1	2.125	-2	7.440	-1	2046	48	1.2
10515.0	10000	38.5471	94.0975	-794	PM	2.5	-1	9.7	0	1.3	1	0.278	-1	2.028	-2	7.287	-1	2068	47	1.2
10514.9	10000	38.5471	94.0968	-796	PM	2.5	-1	9.7	0	1.3	1	0.258	-2	2.003	-2	7.361	-1	2064	44	1.2
10514.8	10000	38.5471	94.0962	-798	PM	2.5	-1	9.7	0	1.3	1	0.252	-2	1.940	-2	7.512	-1	2054	43	1.2
10514.7	10000	38.5471	94.0955	-800	PM	2.5	-1	9.7	0	1.3	1	0.234	-2	1.965	-2	7.804	-1	2033	56	1.2
10514.6	10000	38.5471	94.0948	-803	PM	2.5	-1	9.7	0	1.3	1	0.234	-2	1.909	-2	8.155	-1	2006	53	1.2
10514.5	10000	38.5471	94.0941	-805	PM	2.5	-1	9.7	0	1.3	1	0.252	-2	1.917	-2	8.198	-1	1967	45	1.2
10514.4	10000	38.5471	94.0934	-806	PM	2.5	-1	9.7	0	1.2	1	0.234	-2	2.152	-1	8.536	0	1947	58	1.2

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10514.3	10000	38.5470	94.0927	-808	PM	2.8	-1	10.0	1	1.1	0	0.276	-1	2.425	-1	8.787	0	1936	53	1.2
10514.2	10000	38.5470	94.0920	-809	PM	2.6	-1	9.9	0	1.1	0	0.268	-1	2.411	-1	8.985	0	1916	52	1.2
10514.1	10000	38.5470	94.0913	-811	PM	2.8	-1	9.7	0	1.1	0	0.286	-1	2.598	-1	9.007	0	1910	48	1.2
10514.0	10000	38.5470	94.0906	-812	PM	2.8	-1	9.4	0	1.1	0	0.293	-1	2.540	-1	8.672	0	1898	52	1.2
10513.9	10000	38.5470	94.0899	-812	PM	2.8	-1	8.8	-1	1.1	0	0.316	-1	2.549	-1	8.073	-1	1894	36	1.2
10513.8	10000	38.5470	94.0892	-814	PM	2.9	-1	8.6	-1	1.1	0	0.338	0	2.647	-1	7.821	-1	1899	56	1.2
10513.7	10000	38.5470	94.0885	-815	PM	3.0	-1	8.6	-1	1.1	0	0.350	0	2.664	-1	7.620	-1	1903	50	1.2
10513.6	10000	38.5470	94.0878	-817	PM	2.8	-1	8.8	-1	1.1	0	0.315	-1	2.477	-1	7.853	-1	1902	50	1.2
10513.5	10000	38.5470	94.0871	-817	PM	3.0	-1	8.4	-1	1.2	0	0.355	0	2.602	-1	7.325	-1	1913	44	1.2
10513.4	10000	38.5470	94.0864	-818	PM	2.8	-1	8.4	-1	1.2	1	0.329	0	2.333	-1	7.083	-1	1923	51	1.2
10513.3	10000	38.5470	94.0857	-820	PM	2.6	-1	9.0	0	1.2	1	0.288	-1	2.159	-1	7.506	-1	1933	54	1.2
10513.2	10000	38.5470	94.0850	-819	PM	2.5	-2	9.4	0	1.2	1	0.265	-1	2.027	-2	7.661	-1	1919	42	1.2
10513.1	10000	38.5470	94.0843	-820	PM	2.3	-2	9.5	0	1.2	1	0.241	-2	1.869	-2	7.745	-1	1913	53	1.2
10513.0	10000	38.5470	94.0836	-820	PM	2.2	-2	9.7	0	1.2	1	0.227	-2	1.773	-2	7.847	-1	1910	44	1.2
10512.9	10000	38.5470	94.0829	-821	PM	2.3	-2	9.1	0	1.3	1	0.252	-2	1.836	-2	7.300	-1	1897	51	1.2
10512.8	10000	38.5469	94.0822	-821	PM	2.3	-2	9.1	0	1.3	1	0.253	-2	1.828	-2	7.236	-1	1892	46	1.2
10512.7	10000	38.5469	94.0815	-821	PM	2.5	-1	9.1	0	1.3	1	0.276	-1	2.016	-2	7.292	-1	1889	58	1.2
10512.6	10000	38.5469	94.0808	-821	PM	2.8	-1	8.6	-1	1.3	1	0.326	0	2.232	-1	6.844	-1	1897	43	1.2
10512.5	10000	38.5469	94.0801	-821	PM	3.0	-1	8.5	-1	1.2	1	0.352	0	2.486	-1	7.053	-1	1931	55	1.2
10512.4	10000	38.5469	94.0794	-821	PM	3.4	0	8.5	-1	1.2	1	0.403	1	2.758	-1	6.849	-1	1969	50	1.2
10512.3	10000	38.5469	94.0787	-820	PM	3.4	0	8.2	-1	1.2	1	0.412	1	2.743	-1	6.665	-2	1985	58	1.2
10512.2	10000	38.5469	94.0780	-819	PM	3.5	0	8.5	-1	1.3	1	0.408	1	2.682	-1	6.568	-2	2020	47	1.2
10512.1	10000	38.5469	94.0773	-818	PM	3.5	0	8.8	-1	1.3	1	0.393	1	2.699	-1	6.863	-1	2061	48	1.2
10512.0	10000	38.5469	94.0766	-817	PM	3.7	1	8.7	-1	1.3	1	0.422	1	2.868	0	6.805	-1	2103	47	1.2
10511.9	10000	38.5469	94.0759	-816	PM	3.8	1	8.5	-1	1.3	1	0.445	1	2.907	0	6.532	-2	2160	46	1.2
10511.8	10000	38.5469	94.0752	-815	PM	4.0	1	8.5	-1	1.4	2	0.470	2	2.856	0	6.083	-2	2212	52	1.2
10511.7	10000	38.5469	94.0745	-814	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10511.6	10000	38.5469	94.0738	-814	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10511.5	10000	38.5469	94.0731	-813	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10511.4	10000	38.5469	94.0724	-812	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10511.3	10000	38.5468	94.0717	-811	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10511.2	10000	38.5468	94.0710	-811	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10511.1	10000	38.5468	94.0703	-809	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10511.0	10000	38.5468	94.0696	-810	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10510.9	10000	38.5468	94.0689	-810	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10510.8	10000	38.5468	94.0682	-809	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10510.7	10000	38.5468	94.0675	-809	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10510.6	10000	38.5468	94.0668	-809	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10510.5	10000	38.5468	94.0661	-809	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10510.4	10000	38.5468	94.0654	-809	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10510.3	10000	38.5468	94.0647	-809	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10510.2	10000	38.5468	94.0640	-809	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10510.1	10000	38.5468	94.0633	-809	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10510.0	10000	38.5468	94.0626	-808	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10509.9	10000	38.5468	94.0619	-809	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10509.8	10000	38.5467	94.0612	-808	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10509.7	10000	38.5467	94.0605	-808	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10509.6	10000	38.5467	94.0598	-808	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10509.5	10000	38.5467	94.0591	-808	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10509.4	10000	38.5467	94.0584	-808	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10509.3	10000	38.5467	94.0577	-808	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2
10509.2	10000	38.5467	94.0570	-808	PM	3.9	1	8.9	0	1.4	2	0.431	1	2.835	0	6.575	-2	2240	72	1.2

LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10509.1	10000	38.5467	94.0564	-809	PM	3.1	0	8.3	-1	1.1	0	0.377	0	2.940	0	7.803	-1	1813	48	1.1
10509.0	10000	38.5467	94.0556	-809	PM	2.9	-1	8.0	-1	1.0	0	0.358	0	2.758	-1	7.715	-1	1766	52	1.1
10508.9	10000	38.5467	94.0549	-810	PM	3.0	-1	7.8	-2	1.0	0	0.384	1	2.947	0	7.669	-1	1733	58	1.1
10508.8	10000	38.5467	94.0542	-810	PM	3.0	-1	7.9	-1	1.0	-1	0.374	0	3.065	0	8.191	0	1716	52	1.1
10508.7	10000	38.5467	94.0536	-811	PM	3.0	-1	7.9	-1	1.0	-1	0.376	0	3.010	0	8.009	-1	1697	43	1.1
10508.6	10000	38.5467	94.0529	-812	PM	3.1	0	7.7	-2	1.0	0	0.400	1	3.045	0	7.609	-1	1702	53	1.0
10508.5	10000	38.5467	94.0522	-814	PM	3.2	0	8.1	-1	1.0	0	0.399	1	3.200	0	8.014	-1	1725	42	1.0
10508.4	10000	38.5467	94.0515	-815	PM	3.5	1	7.6	-2	1.0	0	0.461	2	3.407	0	7.388	-1	1758	49	1.0
10508.3	10000	38.5466	94.0508	-816	PM	3.7	1	7.7	-2	1.0	0	0.478	2	3.535	1	7.397	-1	1836	51	1.0
10508.2	10000	38.5466	94.0501	-818	PM	3.7	1	7.8	-2	1.0	0	0.480	2	3.631	1	7.565	-1	1873	44	1.0
10508.1	10000	38.5466	94.0494	-820	PM	3.7	1	7.8	-2	1.1	0	0.475	2	3.359	0	7.064	-1	1908	52	1.0
10508.0	10000	38.5466	94.0487	-822	PM	3.7	1	7.8	-2	1.1	0	0.469	2	3.416	0	7.279	-1	1924	58	1.0
10507.9	10000	38.5466	94.0480	-825	PM	3.7	1	8.3	-1	1.1	0	0.449	2	3.487	1	7.763	-1	1943	52	1.0
10507.8	10000	38.5466	94.0473	-827	PM	3.8	1	8.1	-1	1.0	0	0.472	2	3.771	1	7.987	-1	1938	35	1.0
10507.7	10000	38.5466	94.0466	-829	PM	3.6	1	8.7	-1	1.0	0	0.416	1	3.620	1	8.700	0	1936	44	1.0
10507.6	10000	38.5466	94.0459	-831	PM	3.6	1	9.2	0	1.0	-1	0.384	1	3.646	1	9.487	0	1882	55	1.0
10507.5	10000	38.5466	94.0452	-834	PM	3.2	0	9.5	0	1.0	-1	0.343	1	3.311	0	9.652	1	1873	42	1.0
10507.4	10000	38.5466	94.0445	-836	PM	3.3	0	9.6	0	0.9	-1	0.343	1	3.631	1	10.587	1	1872	39	1.0
10507.3	10000	38.5466	94.0438	-837	PM	3.3	0	9.7	0	0.9	-1	0.341	1	3.532	1	10.360	1	1874	51	1.0
10507.2	10000	38.5466	94.0431	-839	PM	3.4	0	9.6	0	1.0	-1	0.360	1	3.503	1	9.725	1	1898	47	1.0
10507.1	10000	38.5466	94.0424	-841	PM	3.3	0	9.8	0	1.1	0	0.333	1	3.092	0	9.290	0	1922	49	1.0
10507.0	10000	38.5466	94.0417	-841	PM	3.1	0	9.6	0	1.1	0	0.322	1	2.852	0	8.853	0	1913	45	0.9
10506.9	10000	38.5466	94.0410	-842	PM	2.9	-1	9.6	0	1.1	0	0.301	-1	2.543	-1	8.459	0	1936	54	0.9
10506.8	10000	38.5466	94.0403	-842	PM	3.1	0	9.6	0	1.2	1	0.322	0	2.670	-1	8.290	0	1931	41	0.9
10506.7	10000	38.5465	94.0396	-842	PM	3.0	-1	9.5	0	1.2	1	0.318	-1	2.490	-1	7.825	-1	1924	48	0.9
10506.6	10000	38.5465	94.0389	-841	PC	3.2	0	9.3	0	1.2	0	0.338	0	2.641	-1	7.810	-1	1917	39	0.9
10506.5	10000	38.5465	94.0382	-840	PC	3.0	0	9.5	0	1.2	0	0.315	0	2.572	-1	8.173	0	1892	34	0.9
10506.4	10000	38.5465	94.0375	-839	PC	3.0	0	9.2	0	1.1	0	0.326	0	2.623	-1	8.055	0	1851	55	0.9
10506.3	10000	38.5465	94.0368	-838	PC	3.0	0	8.9	0	1.1	0	0.341	0	2.672	0	7.832	-1	1816	41	0.9
10506.2	10000	38.5465	94.0361	-837	PC	3.0	0	8.6	0	1.1	0	0.361	0	2.826	0	7.820	-1	1787	51	0.9
10506.1	10000	38.5465	94.0354	-836	PC	2.9	0	8.4	0	1.1	0	0.365	0	2.814	0	7.712	-1	1761	41	0.9
10506.0	10000	38.5465	94.0347	-835	PC	2.8	0	8.3	0	1.1	0	0.355	0	2.722	0	7.505	-1	1745	52	0.9
10505.9	10000	38.5465	94.0340	-834	PC	2.8	0	8.2	0	1.1	0	0.377	0	2.700	0	7.601	-1	1741	60	0.9
10505.8	10000	38.5465	94.0333	-833	PC	2.8	0	8.1	0	1.1	0	0.357	0	2.717	0	7.214	-1	1739	39	0.9
10505.7	10000	38.5465	94.0326	-833	PC	2.8	0	8.1	0	1.1	0	0.318	0	2.622	0	7.353	-1	1760	53	0.9
10505.6	10000	38.5465	94.0319	-832	PC	2.8	0	8.1	0	1.1	0	0.322	0	2.468	0	7.770	-1	1778	37	0.9
10505.5	10000	38.5465	94.0312	-832	PC	2.8	0	8.1	0	1.1	0	0.347	0	2.432	0	7.636	-1	1765	45	0.9
10505.4	10000	38.5465	94.0305	-831	PC	2.8	0	8.1	0	1.1	0	0.326	0	2.387	0	7.416	-1	1775	37	0.9
10505.3	10000	38.5465	94.0298	-829	PC	2.8	0	8.1	0	1.1	0	0.326	0	2.661	0	7.666	-1	1801	47	0.9
10505.2	10000	38.5465	94.0291	-828	PC	2.8	0	8.1	0	1.1	0	0.326	0	2.623	0	7.567	-1	1834	37	0.9
10505.1	10000	38.5464	94.0284	-827	PC	2.8	0	8.1	0	1.1	0	0.358	0	2.457	0	7.534	-1	1871	45	0.9
10505.0	10000	38.5464	94.0277	-825	PC	2.8	0	8.1	0	1.1	0	0.358	0	2.339	0	7.166	-1	1918	46	0.9
10504.9	10000	38.5464	94.0270	-824	PC	2.8	0	8.1	0	1.1	0	0.365	0	2.494	0	6.962	-1	1972	46	0.9
10504.8	10000	38.5464	94.0263	-823	PC	2.8	0	8.1	0	1.1	0	0.379	0	2.508	0	6.870	-1	2041	46	0.9
10504.7	10000	38.5464	94.0256	-822	PC	2.8	0	8.1	0	1.1	0	0.396	0	2.643	0	6.979	-1	2095	45	0.9
10504.6	10000	38.5464	94.0249	-821	PC	2.8	0	8.1	0	1.1	0	0.409	0	2.691	0	6.905	-1	2146	44	0.9
10504.5	10000	38.5464	94.0242	-820	PC	2.8	0	8.1	0	1.1	0	0.449	0	2.781	0	6.953	-1	2189	52	0.9
10504.4	10000	38.5464	94.0235	-819	PC	2.8	0	8.1	0	1.1	0	0.504	0	3.078	0	7.535	-1	2249	49	0.9
10504.3	10000	38.5464	94.0228	-818	PC	2.8	0	8.1	0	1.1	0	0.552	0	3.381	0	8.023	-1	2283	49	0.9
10504.2	10000	38.5464	94.0221	-817	PC	2.8	0	8.1	0	1.1	0	0.579	0	3.538	0	8.251	-1	2313	53	0.9
10504.1	10000	38.5464	94.0214	-816	PC	2.8	0	8.1	0	1.1	0	0.576	0	3.552	0	8.241	-1	2351	51	0.9
10504.0	10000	38.5464	94.0207	-811	PM	2.8	0	8.1	0	1.1	0	0.576	0	3.552	0	8.241	-1	2358	49	0.9

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LINE 660 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10503.9	10000	38.5464	94.0200	-810	PM	5.3	4	9.7	0	1.3	1	0.542	3	4.100	2	7.571	-1	2357	55	0.8
10503.8	10000	38.5464	94.0193	-809	PM	5.1	3	9.6	0	1.3	2	0.534	3	3.805	1	7.120	-1	2337	37	0.8
10503.7	10000	38.5463	94.0186	-808	PM	4.9	3	9.4	0	1.4	2	0.519	3	3.492	1	6.725	-2	2303	45	0.8
10503.6	10000	38.5463	94.0179	-808	PM	4.5	2	9.2	0	1.4	2	0.487	2	3.110	0	6.384	-2	2236	42	0.8
10503.5	10000	38.5463	94.0172	-807	PM	4.3	2	9.2	0	1.4	2	0.462	2	3.063	0	6.624	-2	2201	47	0.8
10503.4	10000	38.5463	94.0165	-807	PM	3.9	1	9.1	0	1.4	2	0.432	1	2.854	0	6.602	-2	2142	45	0.8
10503.3	10000	38.5463	94.0158	-807	PM	3.7	1	9.0	0	1.3	2	0.410	1	2.808	0	6.842	-1	2108	47	0.8
10503.2	10000	38.5463	94.0151	-808	PM	3.4	1	9.0	0	1.3	2	0.377	0	2.586	-1	6.857	-1	2065	52	0.8
10503.1	10000	38.5463	94.0144	-809	PM	3.2	0	9.2	0	1.3	1	0.345	0	2.472	-1	7.170	-1	2038	36	0.8
10503.0	10000	38.5463	94.0137	-810	PM	3.2	0	9.6	0	1.2	1	0.332	0	2.613	-1	7.860	-1	2007	44	0.8
10502.9	10000	38.5463	94.0130	-811	PM	3.2	0	10.0	1	1.2	1	0.319	-1	2.652	-1	8.316	0	2020	48	0.8
10502.8	10000	38.5463	94.0123	-813	PM	3.0	0	10.3	1	1.2	1	0.297	-1	2.447	-1	8.232	0	2011	43	0.8
10502.7	10000	38.5463	94.0116	-814	PM	3.2	0	10.5	1	1.2	1	0.300	-1	2.634	-1	8.790	0	2015	53	0.8
10502.6	10000	38.5463	94.0110	-816	PM	3.2	0	10.9	1	1.2	1	0.295	-1	2.549	-1	8.628	0	2018	47	0.9
10502.5	10000	38.5463	94.0103	-818	PM	3.4	0	10.7	1	1.2	1	0.321	-1	2.769	-1	8.616	0	2031	39	0.9
10502.4	10000	38.5463	94.0096	-819	PM	3.6	1	10.3	1	1.2	1	0.354	0	2.933	0	8.290	0	2024	61	0.9
10502.3	10000	38.5462	94.0089	-821	PM	3.5	0	10.3	1	1.3	1	0.345	0	2.803	0	8.136	-1	1999	45	0.9
10502.2	10000	38.5462	94.0082	-823	PM	3.4	0	9.7	1	1.3	1	0.347	0	2.679	-1	7.713	-1	1978	40	0.8
10502.1	10000	38.5462	94.0075	-824	PM	3.5	0	9.5	1	1.3	1	0.365	0	2.703	-1	7.415	-1	1977	53	0.9
10502.0	10000	38.5462	94.0068	-825	PM	3.3	0	9.1	1	1.4	2	0.357	0	2.410	-1	6.747	-2	1970	64	0.9
10501.9	10000	38.5462	94.0061	-827	PM	3.2	0	8.9	1	1.3	2	0.361	0	2.399	-1	6.642	-2	1973	47	0.9
10501.8	10000	38.5462	94.0054	-829	PM	3.0	0	9.1	1	1.3	2	0.334	0	2.249	-1	6.731	-2	1962	47	0.9
10501.7	10000	38.5462	94.0047	-830	PM	3.0	0	9.2	0	1.4	2	0.325	0	2.177	-1	6.708	-2	1971	52	0.9
10501.6	10000	38.5462	94.0040	-831	PM	3.0	0	9.5	0	1.4	2	0.333	0	2.183	-1	6.549	-2	1991	40	0.9
10501.5	10000	38.5462	94.0033	-832	PM	3.1	0	9.9	0	1.4	2	0.321	-1	2.228	-1	6.949	-1	2008	45	0.9
10501.4	10000	38.5462	94.0026	-833	PM	3.2	0	10.5	0	1.4	2	0.306	-1	2.172	-1	7.105	-1	2012	55	0.9
10501.3	10000	38.5462	94.0019	-834	PM	3.3	0	10.7	0	1.4	2	0.315	-1	2.326	-1	7.383	-1	2025	66	0.9
10501.2	10000	38.5462	94.0012	-834	PM	3.2	0	9.9	0	1.3	2	0.333	0	2.421	-1	7.273	-1	2033	44	0.9
10501.1	10000	38.5462	94.0005	-835	PM	3.4	0	9.3	0	1.3	2	0.361	0	2.535	-1	7.030	-1	2043	33	0.9

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4512.5	10000	38.4587	95.9994	-513	PW	3.1	0	11.6	2	1.3	1	0.266	-1	2.347	0	8.819	1	2336	53	1.7
4512.6	10000	38.4587	95.9986	-514	PW	3.1	0	11.6	2	1.3	1	0.265	-1	2.287	0	8.622	0	2336	51	1.7
4512.7	10000	38.4587	95.9978	-514	PW	2.9	0	11.4	2	1.3	1	0.259	-1	2.220	0	8.587	0	2324	40	1.7
4512.8	10000	38.4588	95.9971	-514	PW	3.1	0	11.3	1	1.3	1	0.279	0	2.402	0	8.613	0	2329	47	1.7
4512.9	10000	38.4588	95.9963	-514	PW	3.3	1	11.1	1	1.3	0	0.295	0	2.536	0	8.596	0	2326	37	1.7
4513.0	10000	38.4588	95.9955	-514	PW	3.3	1	11.2	1	1.4	1	0.292	0	2.404	0	8.223	0	2332	44	1.7
4513.1	10000	38.4588	95.9947	-515	PW	3.3	1	11.3	1	1.4	1	0.291	0	2.355	0	8.079	0	2336	52	1.7
4513.2	10000	38.4589	95.9939	-516	PW	3.5	1	11.1	1	1.4	1	0.315	0	2.466	0	7.824	0	2345	45	1.7
4513.3	10000	38.4589	95.9931	-516	PW	3.5	1	10.9	1	1.4	1	0.323	0	2.474	0	7.668	0	2334	37	1.7
4513.4	10000	38.4589	95.9924	-516	PW	3.7	2	10.7	1	1.5	1	0.344	1	2.530	0	7.348	-1	2343	40	1.7
4513.5	10000	38.4589	95.9916	-517	PW	3.8	2	10.6	1	1.5	1	0.354	1	2.585	0	7.301	-1	2327	53	1.7
4513.6	10000	38.4590	95.9908	-518	PW	3.7	2	10.6	1	1.4	1	0.347	1	2.556	0	7.368	-1	2309	39	1.7
4513.7	10000	38.4590	95.9900	-519	PW	3.5	1	10.6	1	1.4	1	0.332	1	2.566	0	7.725	0	2284	47	1.7
4513.8	10000	38.4590	95.9892	-519	PW	3.7	2	10.5	1	1.4	1	0.352	1	2.682	0	7.614	-1	2280	46	1.7
4513.9	10000	38.4590	95.9884	-520	PW	3.5	1	10.4	1	1.3	1	0.336	1	2.617	0	7.791	0	2288	56	1.7
4514.0	10000	38.4590	95.9876	-521	PW	3.6	1	10.6	1	1.3	1	0.343	1	2.716	1	7.914	0	2310	53	1.7
4514.1	10000	38.4591	95.9869	-521	PW	3.6	1	10.9	1	1.4	1	0.330	1	2.646	0	8.008	0	2319	45	1.7
4514.2	10000	38.4591	95.9861	-522	PW	3.2	1	11.7	2	1.4	1	0.275	-1	2.281	0	8.306	0	2333	47	1.7
4514.3	10000	38.4591	95.9853	-522	PW	3.4	1	12.1	2	1.4	1	0.280	0	2.404	0	8.585	0	2359	44	1.7
4514.4	10000	38.4591	95.9846	-523	PW	3.5	1	12.4	2	1.4	1	0.284	0	2.512	0	8.853	1	2369	54	1.7
4514.5	10000	38.4591	95.9838	-524	PW	3.4	1	12.6	2	1.4	1	0.267	-1	2.379	0	8.917	1	2372	39	1.7
4514.6	10000	38.4591	95.9831	-524	PW	3.4	1	12.4	2	1.4	1	0.272	-1	2.350	0	8.631	0	2352	44	1.7
4514.7	10000	38.4591	95.9823	-524	PW	3.3	1	12.8	2	1.4	1	0.259	-1	2.318	0	8.945	1	2342	40	1.7
4514.8	10000	38.4591	95.9816	-525	PW	3.1	0	12.6	2	1.4	1	0.251	-1	2.323	0	9.262	1	2295	36	1.7
4514.9	10000	38.4590	95.9808	-526	PW	3.2	1	11.9	2	1.3	1	0.269	-1	2.441	0	9.057	1	2256	52	1.7
4515.0	10000	38.4590	95.9800	-527	PW	2.9	0	11.4	2	1.3	1	0.257	-1	2.234	0	8.703	1	2206	41	1.7
4515.1	10000	38.4590	95.9793	-528	PW	3.0	1	11.4	2	1.3	1	0.266	-1	2.220	0	8.358	1	2149	41	1.8
4515.2	10000	38.4590	95.9785	-529	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.145	0	8.146	1	2102	46	1.8
4515.3	10000	38.4590	95.9778	-530	PW	3.0	1	11.4	2	1.3	1	0.264	-1	2.174	0	8.245	1	2073	51	1.8
4515.4	10000	38.4590	95.9770	-531	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.205	0	8.785	1	2016	55	1.8
4515.5	10000	38.4590	95.9763	-533	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.438	0	7.798	1	2014	51	1.8
4515.6	10000	38.4590	95.9755	-534	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.494	0	7.795	1	2007	61	1.8
4515.7	10000	38.4590	95.9748	-536	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.492	0	7.822	1	2013	42	1.8
4515.8	10000	38.4590	95.9740	-538	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.591	0	7.753	1	2031	46	1.8
4515.9	10000	38.4590	95.9733	-540	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.856	0	7.919	1	2032	40	1.8
4516.0	10000	38.4589	95.9725	-542	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.891	0	8.118	1	2024	48	1.8
4516.1	10000	38.4589	95.9718	-544	PW	3.0	1	11.4	2	1.3	1	0.263	-1	3.018	0	8.157	1	2047	58	1.8
4516.2	10000	38.4589	95.9710	-546	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.829	0	7.993	1	2054	44	1.8
4516.3	10000	38.4589	95.9703	-549	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.841	0	7.884	1	2071	45	1.8
4516.4	10000	38.4589	95.9695	-551	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.778	0	7.933	1	2093	44	1.8
4516.5	10000	38.4589	95.9688	-554	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.719	0	8.039	1	2106	57	1.8
4516.6	10000	38.4589	95.9680	-557	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.842	0	8.346	1	2142	40	1.8
4516.7	10000	38.4589	95.9672	-560	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.917	0	8.976	1	2177	47	1.8
4516.8	10000	38.4589	95.9665	-563	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.916	0	9.165	1	2193	43	1.8
4516.9	10000	38.4589	95.9657	-566	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.844	0	9.239	1	2234	53	1.8
4517.0	10000	38.4589	95.9650	-569	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.849	0	9.468	1	2268	47	1.8
4517.1	10000	38.4589	95.9642	-572	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.925	0	9.196	1	2294	41	1.8
4517.2	10000	38.4588	95.9635	-576	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.909	0	8.882	1	2327	40	1.8
4517.3	10000	38.4588	95.9627	-579	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.597	0	8.542	1	2355	47	1.8
4517.4	10000	38.4588	95.9620	-582	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.534	0	8.288	1	2386	41	1.8
4517.5	10000	38.4588	95.9612	-585	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.544	0	7.912	1	2451	47	1.8
4517.6	10000	38.4588	95.9605	-588	PW	3.0	1	11.4	2	1.3	1	0.263	-1	2.443	0	7.772	1	2478	55	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4517.7	10000	38.4588	95.9597	-591	PW	3.4	1	10.9	1	1.5	2	0.317	0	2.260	0	7.133	-1	2492	51	2.0
4517.8	10000	38.4588	95.9590	-595	PW	3.7	1	10.8	1	1.5	2	0.340	1	2.395	0	7.035	-1	2532	44	2.0
4517.9	10000	38.4588	95.9582	-598	PW	3.6	1	10.9	1	1.6	2	0.333	1	2.250	0	6.760	-1	2553	43	2.0
4518.0	10000	38.4588	95.9574	-601	PW	3.6	1	11.0	1	1.7	3	0.324	0	2.106	-1	6.507	-2	2550	53	2.0
4518.1	10000	38.4588	95.9567	-604	PW	3.5	1	10.7	1	1.8	3	0.329	1	1.998	-1	6.075	-2	2564	50	2.1
4518.2	10000	38.4588	95.9559	-606	PW	3.1	0	10.5	1	1.8	3	0.299	0	1.789	-1	5.987	-2	2527	39	2.1
4518.3	10000	38.4587	95.9552	-609	PW	3.4	1	10.2	1	1.8	4	0.328	1	1.874	-1	5.706	-2	2493	48	2.1
4518.4	10000	38.4587	95.9544	-611	PW	3.4	1	10.0	0	1.7	3	0.336	1	1.941	-1	5.779	-2	2438	48	2.1
4518.5	10000	38.4587	95.9537	-613	PW	2.9	0	9.6	0	1.7	3	0.305	0	1.756	-1	5.754	-2	2358	57	2.1
4518.6	10000	38.4587	95.9529	-615	PW	2.9	0	9.4	-1	1.6	2	0.305	0	1.801	-1	5.900	-2	2275	36	2.1
4518.7	10000	38.4587	95.9522	-617	PW	2.8	0	8.7	-1	1.5	2	0.318	0	1.886	-1	5.929	-2	2208	44	2.1
4518.8	10000	38.4587	95.9514	-619	PW	2.5	-1	8.9	-1	1.4	1	0.285	0	1.823	-1	6.401	-2	2139	48	2.1
4518.9	10000	38.4587	95.9507	-620	PW	2.6	-1	9.0	-1	1.3	1	0.285	0	1.924	-1	6.755	-1	2089	50	2.2
4519.0	10000	38.4587	95.9499	-622	PW	2.4	-1	9.0	-1	1.3	1	0.270	-1	1.909	-1	7.061	-1	2053	51	2.2
4519.1	10000	38.4587	95.9492	-623	PW	2.3	-1	8.7	-1	1.3	0	0.259	-1	1.744	-1	6.725	-1	2042	48	2.2
4519.2	10000	38.4587	95.9484	-624	PW	2.3	-1	8.9	-1	1.3	0	0.263	-1	1.803	-1	6.870	-1	2037	36	2.2
4519.3	10000	38.4587	95.9477	-625	PW	2.4	-1	9.0	-1	1.3	0	0.263	-1	1.830	-1	6.962	-1	2068	43	2.2
4519.4	10000	38.4586	95.9469	-625	PW	2.6	-1	9.7	0	1.3	1	0.264	-1	1.926	-1	7.291	-1	2104	45	2.2
4519.5	10000	38.4586	95.9462	-626	PW	2.9	0	9.5	0	1.4	1	0.301	0	2.119	-1	7.040	-1	2116	46	2.2
4519.6	10000	38.4586	95.9454	-626	PW	2.8	0	9.3	-1	1.4	1	0.298	0	2.026	-1	6.798	-1	2120	46	2.2
4519.7	10000	38.4586	95.9446	-626	PW	2.8	0	9.2	-1	1.4	1	0.308	0	2.018	-1	6.554	-2	2140	52	2.2
4519.8	10000	38.4586	95.9439	-626	PW	3.1	0	9.5	0	1.4	1	0.323	0	2.192	-1	6.788	-1	2160	50	2.2
4519.9	10000	38.4586	95.9431	-626	PW	2.9	0	9.8	0	1.5	1	0.293	0	1.982	-1	6.762	-1	2177	43	2.2
4520.0	10000	38.4586	95.9424	-625	PW	2.8	0	9.7	0	1.5	1	0.284	0	1.898	-1	6.683	-1	2188	40	2.2
4520.1	10000	38.4586	95.9416	-625	PW	2.7	-1	9.6	0	1.5	2	0.284	0	1.850	-1	6.520	-2	2202	39	2.3
4520.2	10000	38.4586	95.9409	-624	PW	2.7	-1	9.7	0	1.5	2	0.272	-1	1.768	-1	6.500	-2	2227	44	2.3
4520.3	10000	38.4586	95.9401	-623	PW	2.6	-1	9.6	0	1.5	2	0.278	-1	1.768	-1	6.676	-2	2260	49	2.3
4520.4	10000	38.4586	95.9394	-622	PW	2.8	0	9.8	0	1.5	2	0.256	-1	1.857	-1	6.163	-1	2285	36	2.3
4520.5	10000	38.4586	95.9386	-621	PW	2.8	0	9.8	0	1.5	2	0.232	-1	1.834	-1	6.337	-1	2310	55	2.3
4520.6	10000	38.4585	95.9379	-619	PW	2.8	0	9.8	0	1.5	2	0.247	-1	1.700	-1	6.301	-1	2336	44	2.3
4520.7	10000	38.4585	95.9371	-618	PW	2.8	0	9.8	0	1.5	2	0.281	-1	1.806	-1	6.309	-1	2337	43	2.3
4520.8	10000	38.4585	95.9364	-616	PW	2.8	0	9.8	0	1.5	2	0.286	-1	1.057	-1	6.425	-1	2345	39	2.3
4520.9	10000	38.4585	95.9356	-615	PW	2.8	0	9.8	0	1.5	2	0.288	-1	1.124	-1	6.665	-1	2359	53	2.3
4521.0	10000	38.4585	95.9348	-613	PW	2.8	0	9.8	0	1.5	2	0.296	-1	1.204	-1	6.448	-1	2389	37	2.3
4521.1	10000	38.4585	95.9341	-611	PW	2.8	0	9.8	0	1.5	2	0.290	-1	1.204	-1	7.261	-1	2400	56	2.3
4521.2	10000	38.4585	95.9333	-609	PW	2.8	0	9.8	0	1.5	2	0.303	-1	1.080	-1	6.863	-1	2432	64	2.3
4521.3	10000	38.4585	95.9326	-607	PW	2.8	0	9.8	0	1.5	2	0.302	-1	1.081	-1	6.892	-1	2450	43	2.3
4521.4	10000	38.4585	95.9318	-604	PW	2.8	0	9.8	0	1.5	2	0.259	-1	1.724	-2	6.656	-1	2494	42	2.3
4521.5	10000	38.4585	95.9311	-602	PW	2.8	0	9.8	0	1.5	2	0.286	-1	1.793	-2	6.260	-1	2513	54	2.3
4521.6	10000	38.4585	95.9303	-599	PW	2.8	0	9.8	0	1.5	2	0.275	-1	1.615	-2	6.874	-1	2548	49	2.3
4521.7	10000	38.4585	95.9296	-597	PW	2.8	0	9.8	0	1.5	2	0.273	-1	1.580	-2	6.779	-1	2567	42	2.3
4521.8	10000	38.4584	95.9288	-594	PW	2.8	0	9.8	0	1.5	2	0.308	-1	1.712	-2	6.558	-1	2605	43	2.3
4521.9	10000	38.4584	95.9281	-591	PW	2.8	0	9.8	0	1.5	2	0.334	-1	1.817	-2	6.434	-1	2602	39	2.3
4522.0	10000	38.4584	95.9273	-589	PW	2.8	0	9.8	0	1.5	2	0.329	-1	1.740	-2	6.295	-1	2616	57	2.3
4522.1	10000	38.4584	95.9266	-586	PW	2.8	0	9.8	0	1.5	2	0.342	-1	1.814	-2	6.303	-1	2645	40	2.3
4522.2	10000	38.4584	95.9258	-583	PW	2.8	0	9.8	0	1.5	2	0.296	-1	1.588	-2	6.359	-1	2692	55	2.3
4522.3	10000	38.4584	95.9251	-580	PW	2.8	0	9.8	0	1.5	2	0.334	-1	1.905	-2	6.740	-1	2703	36	2.3
4522.4	10000	38.4584	95.9243	-577	PW	2.8	0	9.8	0	1.5	2	0.306	-1	1.723	-2	6.071	-1	2734	43	2.3
4522.5	10000	38.4584	95.9236	-573	PW	2.8	0	9.8	0	1.5	2	0.299	-1	1.683	-2	6.436	-1	2728	38	2.3
4522.6	10000	38.4584	95.9228	-571	PW	2.8	0	9.8	0	1.5	2	0.324	-1	1.822	-2	6.633	-1	2765	41	2.3
4522.7	10000	38.4584	95.9220	-568	PW	2.8	0	9.8	0	1.5	2	0.363	-1	2.052	-2	6.874	-1	2784	53	2.3
4522.8	10000	38.4584	95.9213	-565	PW	2.8	0	9.8	0	1.5	2	0.363	-1	2.523	-1	6.959	-1	2798	58	2.3

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4522.9	10000	38.4583	95.9205	-562	PW	4.7	4	12.3	3	1.7	3	0.378	2	2.714	1	7.176	-1	2782	32	2.4
4523.0	10000	38.4583	95.9198	-559	PW	4.3	3	12.3	3	1.8	3	0.351	1	2.440	0	6.948	-1	2790	52	2.4
4523.1	10000	38.4583	95.9190	-556	PW	4.1	2	11.6	2	1.8	4	0.351	1	2.264	0	6.449	-2	2782	47	2.4
4523.2	10000	38.4583	95.9183	-553	PW	4.1	2	11.5	2	1.8	4	0.357	1	2.294	0	6.434	-2	2780	35	2.4
4523.3	10000	38.4583	95.9175	-550	PW	4.1	2	11.7	2	1.7	3	0.351	1	2.381	0	6.779	-1	2770	45	2.4
4523.4	10000	38.4583	95.9168	-547	PW	3.7	2	11.9	2	1.7	3	0.313	0	2.171	-1	6.937	-1	2752	54	2.4
4523.5	10000	38.4583	95.9160	-545	PW	3.5	1	12.3	3	1.7	3	0.283	0	2.091	-1	7.390	-1	2725	45	2.4
4523.6	10000	38.4583	95.9153	-542	PW	3.7	2	12.4	3	1.6	3	0.300	0	2.284	0	7.619	-1	2695	50	2.4
4523.7	10000	38.4583	95.9145	-539	PW	3.5	1	12.3	3	1.6	3	0.288	0	2.245	0	7.797	0	2662	43	2.4
4523.8	10000	38.4583	95.9138	-537	PW	3.6	1	12.6	3	1.5	2	0.283	0	2.377	0	8.404	0	2600	44	2.4
4523.9	10000	38.4582	95.9130	-534	PW	3.5	1	12.3	3	1.5	2	0.281	0	2.272	0	8.096	0	2571	50	2.4
4524.0	10000	38.4582	95.9123	-531	PW	3.2	1	12.2	2	1.5	2	0.263	-1	2.076	-1	7.905	0	2538	44	2.4
4524.1	10000	38.4582	95.9115	-529	PW	3.5	1	12.0	2	1.6	2	0.289	0	2.178	-1	7.541	-1	2514	46	2.4
4524.2	10000	38.4582	95.9108	-527	PW	3.2	0	11.5	2	1.6	2	0.278	0	1.992	-1	7.158	-1	2459	53	2.3
4524.3	10000	38.4582	95.9100	-524	PW	2.7	-1	11.5	3	1.6	2	0.236	-1	1.661	-2	7.034	-1	2415	37	2.3
4524.4	10000	38.4582	95.9092	-522	PW	3.0	0	11.0	2	1.6	2	0.269	-1	1.861	-1	6.920	-1	2362	61	2.3
4524.5	10000	38.4582	95.9085	-520	PW	3.1	0	10.6	2	1.6	2	0.292	0	1.962	-1	6.711	-1	2320	48	2.3
4524.6	10000	38.4582	95.9077	-518	PW	3.2	1	10.3	2	1.5	2	0.314	0	2.196	-1	7.004	-1	2264	59	2.3
4524.7	10000	38.4582	95.9070	-517	PW	3.1	0	9.4	1	1.4	2	0.332	1	2.212	-1	6.661	-2	2203	39	2.3
4524.8	10000	38.4582	95.9062	-515	PW	2.9	0	8.7	1	1.3	2	0.329	1	2.213	-1	6.732	-1	2134	50	2.3
4524.9	10000	38.4582	95.9055	-513	PW	2.9	0	8.3	1	1.2	2	0.347	1	2.363	0	6.806	-1	2084	39	2.3
4525.0	10000	38.4581	95.9047	-511	PW	3.2	0	8.0	1	1.2	2	0.400	2	2.746	1	6.861	-1	2050	48	2.3
4525.1	10000	38.4581	95.9040	-509	PW	3.0	0	7.7	1	1.1	2	0.390	2	2.621	0	6.721	-1	2021	44	2.3
4525.2	10000	38.4581	95.9032	-508	PW	2.8	0	7.5	1	1.1	2	0.378	2	2.608	0	6.898	-1	2003	43	2.3
4525.3	10000	38.4581	95.9025	-506	PW	2.9	0	7.6	1	1.1	2	0.376	2	2.620	0	6.963	-1	1978	34	2.3
4525.4	10000	38.4581	95.9017	-504	PW	3.0	0	7.8	1	1.1	2	0.385	2	2.868	1	7.455	-1	1962	56	2.3
4525.5	10000	38.4581	95.9010	-503	PW	3.2	0	8.4	1	1.1	2	0.379	2	3.146	1	8.309	0	1964	51	2.3
4525.6	10000	38.4581	95.9002	-501	PW	3.0	0	8.7	1	1.0	2	0.344	2	3.029	1	8.793	1	1955	51	2.3
4525.7	10000	38.4581	95.8994	-499	PW	2.9	0	8.8	1	1.0	2	0.332	1	3.032	1	9.126	1	1943	48	2.3
4525.8	10000	38.4581	95.8987	-497	PW	2.7	-1	8.7	1	1.0	2	0.309	1	2.846	1	8.829	1	1927	58	2.3
4525.9	10000	38.4581	95.8979	-496	PW	2.6	-1	8.4	1	1.0	2	0.290	1	2.708	1	8.804	2	1910	33	2.3
4526.0	10000	38.4581	95.8972	-494	PW	2.6	-1	8.1	1	1.0	2	0.276	1	2.799	1	8.748	2	1897	56	2.2
4526.1	10000	38.4580	95.8964	-492	PW	2.6	-1	7.8	1	1.0	2	0.287	1	3.021	1	9.316	2	1884	50	2.2
4526.2	10000	38.4580	95.8957	-490	PW	2.6	-1	7.5	1	1.0	2	0.293	1	2.989	1	9.738	2	1867	56	2.2
4526.3	10000	38.4580	95.8949	-488	PW	2.6	-1	7.3	1	1.0	2	0.307	1	3.191	1	9.502	2	1870	48	2.2
4526.4	10000	38.4580	95.8942	-486	PW	2.6	-1	7.1	1	0.9	2	0.336	1	3.075	1	9.057	2	1882	37	2.2
4526.5	10000	38.4580	95.8934	-484	PW	2.6	-1	7.0	1	0.9	2	0.340	1	3.333	1	9.196	2	1901	46	2.2
4526.6	10000	38.4580	95.8927	-482	PW	2.6	-1	6.8	1	0.9	2	0.362	1	3.382	1	9.226	2	1906	46	2.2
4526.7	10000	38.4580	95.8919	-479	PW	2.6	-1	6.7	1	0.9	2	0.367	1	3.057	1	8.879	2	1935	50	2.2
4526.8	10000	38.4580	95.8912	-477	PW	2.6	-1	6.5	1	0.9	2	0.344	1	3.821	1	8.992	2	1946	40	2.2
4526.9	10000	38.4580	95.8904	-475	PW	2.6	-1	6.4	1	0.9	2	0.314	1	3.744	1	8.248	2	1962	49	2.2
4527.0	10000	38.4580	95.8897	-473	PW	2.6	-1	6.3	1	0.9	2	0.297	1	3.783	1	8.356	2	1972	41	2.2
4527.1	10000	38.4580	95.8889	-470	PW	2.6	-1	6.2	1	0.9	2	0.304	1	3.913	1	8.573	2	1981	35	2.2
4527.2	10000	38.4579	95.8882	-468	PW	2.6	-1	6.1	1	0.9	2	0.324	1	3.988	1	8.219	2	1978	39	2.2
4527.3	10000	38.4579	95.8874	-466	PW	2.6	-1	6.0	1	0.9	2	0.302	1	3.936	1	8.733	2	2011	45	2.2
4527.4	10000	38.4579	95.8866	-463	PW	2.6	-1	5.9	1	0.9	2	0.289	1	3.043	1	8.521	2	2035	50	2.2
4527.5	10000	38.4579	95.8859	-461	PW	2.6	-1	5.8	1	0.9	2	0.264	1	3.662	1	8.087	1	2055	60	2.2
4527.6	10000	38.4579	95.8851	-458	PW	2.6	-1	5.8	1	0.9	2	0.261	1	3.598	1	8.942	2	2077	48	2.2
4527.7	10000	38.4579	95.8844	-455	PW	2.6	-1	5.7	1	0.9	2	0.253	1	3.454	1	8.689	2	2109	45	2.2
4527.8	10000	38.4579	95.8836	-453	PW	2.6	-1	5.6	1	0.9	2	0.249	1	3.256	1	8.077	2	2118	43	2.2
4527.9	10000	38.4579	95.8829	-450	PW	2.6	-1	5.5	1	0.9	2	0.227	1	3.078	1	8.145	2	2149	44	2.2
4528.0	10000	38.4579	95.8821	-448	PW	2.6	-1	5.4	1	0.9	2	0.240	-1	2.195	-1	8.154	2	2168	44	2.1

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4528.1	10000	38.4579	95.8814	-445	PW	2.6	-1	10.7	1	1.2	0	0.239	-1	2.147	-1	8.970	1	2173	46	2.1
4528.2	10000	38.4579	95.8806	-442	PW	2.8	0	10.6	1	1.2	0	0.263	-1	2.309	0	8.772	1	2179	55	2.1
4528.3	10000	38.4578	95.8799	-440	PW	2.9	0	10.7	1	1.2	0	0.270	-1	2.366	0	8.774	1	2181	42	2.1
4528.4	10000	38.4578	95.8791	-437	PW	3.0	0	10.5	1	1.2	0	0.283	0	2.558	0	9.036	1	2164	47	2.1
4528.5	10000	38.4578	95.8784	-435	PW	3.0	0	10.7	1	1.2	0	0.281	0	2.581	0	9.181	1	2189	53	2.1
4528.6	10000	38.4578	95.8776	-432	PW	3.2	0	10.9	1	1.2	0	0.292	0	2.586	0	8.859	1	2198	51	2.1
4528.7	10000	38.4578	95.8769	-429	PW	3.3	1	10.5	1	1.2	0	0.316	0	2.722	1	8.614	0	2198	43	2.1
4528.8	10000	38.4578	95.8761	-427	PW	3.3	1	10.4	1	1.2	0	0.315	0	2.642	0	8.380	0	2211	42	2.1
4528.9	10000	38.4578	95.8754	-424	PW	3.4	1	10.6	1	1.2	0	0.320	0	2.771	1	8.673	1	2233	51	2.1
4529.0	10000	38.4578	95.8745	-421	PW	3.2	1	10.6	1	1.2	0	0.303	0	2.655	1	8.749	1	2245	71	2.0
4529.1	10000	38.4578	95.8737	-419	PW	3.0	0	11.1	1	1.2	0	0.272	-1	2.441	0	8.985	1	2247	63	2.0
4529.2	10000	38.4579	95.8729	-417	PW	2.9	0	11.3	1	1.2	0	0.259	-1	2.421	0	9.353	1	2210	49	2.0
4529.3	10000	38.4579	95.8721	-414	PW	2.8	0	10.6	1	1.1	-1	0.264	-1	2.455	0	9.342	1	2195	54	2.0
4529.4	10000	38.4579	95.8713	-412	PW	2.7	-1	10.5	1	1.2	0	0.256	-1	2.266	0	8.855	1	2175	45	2.0
4529.5	10000	38.4579	95.8705	-410	PW	2.8	1	10.3	1	1.2	0	0.273	-1	2.389	0	8.736	1	2134	43	2.0
4529.6	10000	38.4580	95.8697	-407	PW	3.1	1	9.9	1	1.2	0	0.313	0	2.602	0	8.323	0	2111	34	2.0
4529.7	10000	38.4580	95.8689	-405	PW	3.2	1	9.8	1	1.2	0	0.324	0	2.636	0	8.126	0	2102	53	2.0
4529.8	10000	38.4580	95.8681	-402	PW	3.5	1	9.5	1	1.2	0	0.362	0	2.898	1	8.008	0	2106	46	2.0
4529.9	10000	38.4581	95.8673	-400	PW	3.6	1	9.5	1	1.2	0	0.375	1	3.013	1	8.024	0	2111	45	2.0
4530.0	10000	38.4581	95.8665	-397	PW	3.8	1	9.6	1	1.2	0	0.392	1	3.102	1	7.915	0	2111	38	2.0
4530.1	10000	38.4581	95.8657	-395	PW	3.7	1	9.5	1	1.2	0	0.391	1	3.164	1	8.102	0	2124	41	2.0
4530.2	10000	38.4581	95.8649	-392	PW	3.6	1	10.0	1	1.2	0	0.361	1	3.067	1	8.505	0	2144	48	2.0
4530.3	10000	38.4582	95.8641	-389	PW	3.2	1	10.2	1	1.2	0	0.322	1	2.833	1	8.804	1	2145	38	2.0
4530.4	10000	38.4582	95.8633	-387	PW	3.1	1	10.1	1	1.2	0	0.314	1	2.721	1	8.660	1	2135	43	2.0
4530.5	10000	38.4582	95.8625	-384	PW	3.0	1	10.0	1	1.2	0	0.308	1	2.550	0	8.277	0	2128	60	2.0
4530.6	10000	38.4582	95.8617	-382	PW	3.2	1	9.7	1	1.2	0	0.320	1	2.498	0	7.802	0	2130	40	2.0
4530.7	10000	38.4583	95.8609	-379	PW	3.1	1	9.7	1	1.2	0	0.296	1	2.337	0	7.900	0	2104	43	2.0
4530.8	10000	38.4583	95.8601	-376	PW	3.1	1	9.5	1	1.2	0	0.305	1	2.351	0	7.695	0	2081	48	2.0
4530.9	10000	38.4583	95.8593	-373	PW	3.4	1	9.2	-1	1.2	0	0.341	1	2.607	0	7.655	-1	2066	48	2.0
4531.0	10000	38.4584	95.8584	-370	PW	3.5	1	9.1	-1	1.2	0	0.358	1	2.776	1	7.752	0	2062	43	2.0
4531.1	10000	38.4584	95.8577	-367	PW	3.4	1	8.8	-1	1.2	0	0.387	1	2.988	1	7.715	0	2065	51	2.0
4531.2	10000	38.4584	95.8568	-364	PW	3.6	1	9.1	-1	1.2	0	0.410	1	3.143	1	7.662	0	2069	44	2.0
4531.3	10000	38.4584	95.8560	-361	PW	3.6	1	9.4	-1	1.2	0	0.384	1	3.034	1	7.905	0	2093	48	2.0
4531.4	10000	38.4585	95.8552	-358	PW	3.7	1	9.8	-1	1.2	0	0.373	1	3.081	1	8.260	0	2130	38	2.0
4531.5	10000	38.4585	95.8544	-356	PW	3.5	1	9.8	-1	1.2	0	0.380	1	3.123	1	8.221	0	2168	61	2.0
4531.6	10000	38.4585	95.8536	-352	PW	3.5	1	9.8	-1	1.2	0	0.364	1	2.869	1	7.874	0	2208	50	2.0
4531.7	10000	38.4585	95.8528	-349	PW	3.3	1	9.4	-1	1.2	0	0.334	1	2.570	1	7.702	0	2249	56	2.0
4531.8	10000	38.4586	95.8520	-346	PW	3.4	1	9.6	-1	1.2	0	0.341	1	2.603	1	7.641	0	2282	45	2.0
4531.9	10000	38.4586	95.8512	-342	PW	3.2	1	9.4	-1	1.2	0	0.313	1	2.381	1	7.608	0	2326	50	2.0
4532.0	10000	38.4586	95.8504	-340	PW	3.3	1	9.5	-1	1.2	0	0.307	1	2.339	1	7.632	0	2343	65	2.0
4532.1	10000	38.4586	95.8496	-336	PW	3.5	1	9.5	-1	1.2	0	0.337	1	2.419	1	7.272	0	2340	55	2.0
4532.2	10000	38.4587	95.8488	-333	PW	3.5	1	9.5	-1	1.2	0	0.351	1	2.458	1	7.301	0	2327	32	2.0
4532.3	10000	38.4587	95.8480	-331	PW	3.5	1	9.7	-1	1.2	0	0.378	1	2.523	1	7.195	0	2301	55	2.0
4532.4	10000	38.4587	95.8472	-328	PW	3.7	1	9.8	-1	1.2	0	0.351	1	2.702	1	7.148	0	2265	32	2.0
4532.5	10000	38.4588	95.8464	-325	PW	3.4	1	9.6	-1	1.2	0	0.340	1	2.565	1	7.299	0	2251	77	2.0
4532.6	10000	38.4588	95.8456	-322	PW	3.4	1	9.5	-1	1.2	0	0.363	1	2.547	1	7.480	0	2232	45	2.0
4532.7	10000	38.4588	95.8448	-319	PW	3.4	1	9.5	-1	1.2	0	0.335	1	2.770	1	7.638	0	2177	77	2.0
4532.8	10000	38.4588	95.8440	-316	PW	3.2	1	9.3	-1	1.2	0	0.304	1	2.756	1	7.266	0	2144	45	2.0
4532.9	10000	38.4589	95.8432	-313	PW	3.1	1	9.2	-1	1.2	0	0.277	1	2.734	1	7.098	0	2125	36	2.0
4533.0	10000	38.4589	95.8424	-310	PW	3.0	1	9.1	-1	1.2	0	0.266	1	2.575	1	7.287	0	2093	73	2.0
4533.1	10000	38.4589	95.8416	-307	PW	2.8	1	8.8	-1	1.2	0	0.285	1	2.619	1	7.337	0	2046	62	2.0
4533.2	10000	38.4589	95.8407	-304	PW	3.0	1	10.5	1	1.0	-1	0.285	1	2.965	1	10.408	1	2012	36	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4533.3	10000	38.4590	95.8399	-301	PW	3.0	0	10.5	1	1.0	-1	0.290	0	3.021	1	10.435	2	1984	64	2.0
4533.4	10000	38.4590	95.8391	-299	PW	3.00	0	9.9	0	1.00	-2	0.300	0	3.029	1	10.092	2	1944	45	2.0
4533.5	10000	38.4590	95.8383	-296	PW	2.99	0	9.3	-1	1.00	-2	0.317	0	3.068	1	9.679	2	1903	46	2.0
4533.6	10000	38.4590	95.8375	-293	PW	2.99	0	8.8	-1	1.00	-2	0.325	0	3.039	1	9.366	1	1864	53	2.0
4533.7	10000	38.4591	95.8367	-292	PW	2.99	0	8.6	-1	0.99	-2	0.351	0	3.256	2	9.284	1	1834	37	2.0
4533.8	10000	38.4591	95.8359	-290	PW	2.99	0	7.9	-2	0.99	-2	0.361	1	3.089	1	8.558	0	1801	31	2.0
4533.9	10000	38.4591	95.8351	-289	PW	2.99	0	7.7	-2	0.99	-2	0.385	2	3.152	1	8.183	0	1792	39	2.0
4534.0	10000	38.4592	95.8343	-288	PS	2.99	0	7.5	-2	0.99	-2	0.400	1	3.339	1	8.349	0	1775	39	2.0
4534.1	10000	38.4592	95.8335	-287	PS	2.99	0	7.7	-2	0.99	-2	0.389	1	3.412	1	8.781	0	1768	43	2.0
4534.2	10000	38.4592	95.8327	-287	PS	2.98	0	7.7	-2	0.99	-2	0.370	1	3.174	1	8.567	0	1761	49	2.0
4534.3	10000	38.4592	95.8319	-288	PS	2.99	0	7.7	-2	0.99	-2	0.381	1	3.372	1	8.842	0	1771	46	2.0
4534.4	10000	38.4593	95.8311	-288	PS	2.99	0	7.8	-2	0.99	-2	0.381	1	3.339	1	8.769	0	1776	51	2.0
4534.5	10000	38.4593	95.8303	-290	PS	2.99	0	8.0	-1	0.99	-2	0.385	2	3.565	2	9.261	1	1793	42	2.0
4534.6	10000	38.4593	95.8295	-291	PS	2.99	0	8.2	-1	0.99	-2	0.341	1	3.181	1	9.318	1	1802	56	2.0
4534.7	10000	38.4593	95.8287	-293	PS	2.99	0	8.4	-1	0.99	-2	0.307	1	2.865	0	9.336	1	1820	57	2.0
4534.8	10000	38.4594	95.8279	-295	PS	2.99	0	8.6	-1	0.99	-2	0.293	-1	2.728	0	9.301	1	1826	49	2.0
4534.9	10000	38.4594	95.8271	-298	PS	2.99	0	8.8	-1	0.99	-2	0.326	0	3.080	1	9.449	1	1858	53	2.0
4535.0	10000	38.4594	95.8263	-300	PS	2.99	0	9.0	-1	0.99	-2	0.312	0	2.887	0	9.264	1	1857	50	2.0
4535.1	10000	38.4594	95.8255	-302	PW	2.99	0	9.2	-1	0.99	-2	0.318	0	2.994	1	9.427	1	1881	55	2.0
4535.2	10000	38.4595	95.8247	-305	PW	2.99	0	9.4	-1	0.99	-2	0.318	0	2.917	1	9.171	1	1903	49	2.1
4535.3	10000	38.4595	95.8239	-307	PW	2.99	0	9.6	-1	0.99	-2	0.344	1	3.129	1	9.106	1	1921	48	2.1
4535.4	10000	38.4595	95.8230	-310	PW	2.99	0	9.8	-1	0.99	-2	0.401	2	3.592	2	8.967	1	1957	53	2.1
4535.5	10000	38.4596	95.8222	-313	PW	2.99	0	9.9	-1	0.99	-2	0.404	2	3.615	2	8.959	1	1989	49	2.1
4535.6	10000	38.4596	95.8214	-315	PW	2.99	0	9.9	-1	0.99	-2	0.385	2	3.436	2	8.916	1	2011	50	2.1
4535.7	10000	38.4596	95.8206	-317	PW	2.99	0	9.9	-1	0.99	-2	0.381	2	3.458	2	9.085	1	2048	53	2.1
4535.8	10000	38.4596	95.8198	-320	PW	2.99	0	9.9	-1	0.99	-2	0.364	2	3.211	2	8.821	1	2078	43	2.1
4535.9	10000	38.4597	95.8190	-322	PW	2.99	0	9.9	-1	0.99	-2	0.361	2	3.191	2	8.838	1	2100	67	2.1
4536.0	10000	38.4597	95.8182	-324	PW	2.99	0	9.9	-1	0.99	-2	0.357	2	3.162	2	8.867	1	2126	46	2.1
4536.1	10000	38.4597	95.8174	-325	PW	2.99	0	10.0	-1	0.99	-2	0.317	1	2.731	2	8.604	0	2139	47	2.1
4536.2	10000	38.4597	95.8166	-326	PW	2.99	0	10.1	-1	0.99	-2	0.317	1	2.710	2	8.549	0	2159	50	2.1
4536.3	10000	38.4598	95.8158	-327	PW	2.99	0	10.2	-1	0.99	-2	0.301	1	2.634	2	8.549	0	2164	45	2.1
4536.4	10000	38.4598	95.8150	-328	PW	2.99	0	10.3	-1	0.99	-2	0.277	1	2.545	2	8.549	0	2180	44	2.1
4536.5	10000	38.4598	95.8142	-328	PW	2.99	0	10.4	-1	0.99	-2	0.285	1	2.536	2	8.549	0	2190	44	2.1
4536.6	10000	38.4598	95.8134	-328	PW	2.99	0	10.5	-1	0.99	-2	0.282	1	2.606	2	8.549	0	2206	44	2.1
4536.7	10000	38.4599	95.8126	-329	PW	2.99	0	10.6	-1	0.99	-2	0.285	1	2.685	2	8.549	0	2217	44	2.1
4536.8	10000	38.4599	95.8118	-328	PW	2.99	0	10.7	-1	0.99	-2	0.294	1	2.715	2	8.549	0	2235	44	2.1
4536.9	10000	38.4599	95.8110	-327	PW	2.99	0	10.8	-1	0.99	-2	0.312	1	2.776	2	8.549	0	2272	44	2.1
4537.0	10000	38.4599	95.8102	-327	PS	2.99	0	10.9	-1	0.99	-2	0.329	1	2.814	2	8.549	0	2311	44	2.1
4537.1	10000	38.4600	95.8094	-325	PS	2.99	0	11.0	-1	0.99	-2	0.328	1	2.837	2	8.549	0	2363	44	2.1
4537.2	10000	38.4600	95.8086	-324	PS	2.99	0	11.1	-1	0.99	-2	0.342	1	2.880	2	8.549	0	2401	44	2.1
4537.3	10000	38.4600	95.8078	-322	PS	2.99	0	11.2	-1	0.99	-2	0.332	1	2.888	2	8.549	0	2438	44	2.1
4537.4	10000	38.4601	95.8069	-321	PS	2.99	0	11.3	-1	0.99	-2	0.351	1	2.909	2	8.549	0	2465	44	2.1
4537.5	10000	38.4601	95.8062	-319	PS	2.99	0	11.4	-1	0.99	-2	0.335	1	2.864	2	8.549	0	2443	44	2.1
4537.6	10000	38.4601	95.8053	-317	PS	2.99	0	11.5	-1	0.99	-2	0.335	1	2.864	2	8.549	0	2436	44	2.1
4537.7	10000	38.4601	95.8045	-314	PS	2.99	0	11.6	-1	0.99	-2	0.335	1	2.864	2	8.549	0	2432	44	2.1
4537.8	10000	38.4602	95.8037	-312	PS	2.99	0	11.7	-1	0.99	-2	0.335	1	2.864	2	8.549	0	2433	44	2.1
4537.9	10000	38.4602	95.8029	-309	PS	2.99	0	11.8	-1	0.99	-2	0.335	1	2.864	2	8.549	0	2436	44	2.1
4538.0	10000	38.4602	95.8021	-306	PS	2.99	0	11.9	-1	0.99	-2	0.335	1	2.864	2	8.549	0	2432	44	2.1
4538.1	10000	38.4603	95.8013	-302	PS	2.99	0	12.0	-1	0.99	-2	0.335	1	2.864	2	8.549	0	2433	44	2.1
4538.2	10000	38.4603	95.8005	-299	PS	2.99	0	12.1	-1	0.99	-2	0.335	1	2.864	2	8.549	0	2436	44	2.1
4538.3	10000	38.4603	95.7997	-295	PS	2.99	0	12.2	-1	0.99	-2	0.335	1	2.864	2	8.549	0	2432	44	2.1
4538.4	10000	38.4603	95.7989	-291	PS	2.99	0	12.3	-1	0.99	-2	0.335	1	2.864	2	8.549	0	2433	44	2.1

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4538.5	10000	38.4603	95.7981	-287	PS	2.6	-1	10.8	1	1.4	1	0.244	-1	1.891	-2	7.760	0	2244	49	2.3
4538.6	10000	38.4604	95.7973	-283	PS	2.7	-1	11.0	1	1.4	1	0.245	-1	1.972	-1	8.055	0	2243	52	2.3
4538.7	10000	38.4604	95.7965	-278	PS	2.7	-1	10.9	1	1.3	1	0.247	-1	2.014	-1	8.152	0	2239	43	2.3
4538.8	10000	38.4604	95.7957	-274	PS	3.0	0	10.7	1	1.3	1	0.283	-1	2.280	-1	8.063	0	2236	50	2.3
4538.9	10000	38.4604	95.7949	-269	PS	3.1	0	10.5	1	1.3	0	0.301	0	2.503	0	8.328	0	2236	60	2.3
4539.0	10000	38.4605	95.7941	-264	PS	3.4	1	9.6	1	1.2	1	0.356	1	2.814	0	7.903	0	2224	40	2.3
4539.1	10000	38.4605	95.7933	-259	PS	3.5	1	9.5	0	1.2	1	0.369	1	2.979	1	8.084	0	2207	45	2.3
4539.2	10000	38.4605	95.7925	-253	PS	3.5	1	9.7	0	1.1	1	0.363	1	3.126	1	8.617	0	2180	33	2.3
4539.3	10000	38.4606	95.7917	-247	PS	3.6	1	9.4	-1	1.1	1	0.387	1	3.324	1	8.596	0	2177	50	2.3
4539.4	10000	38.4606	95.7909	-242	PS	3.5	1	9.4	0	1.1	1	0.371	1	3.152	1	8.493	0	2181	47	2.3
4539.5	10000	38.4606	95.7901	-236	PS	3.3	1	9.1	0	1.1	1	0.362	1	2.938	0	8.123	0	2192	46	2.3
4539.6	10000	38.4606	95.7892	-229	PS	3.4	1	9.2	0	1.2	1	0.370	1	2.853	0	7.702	0	2228	45	2.3
4539.7	10000	38.4607	95.7884	-222	PS	3.4	1	10.0	0	1.3	0	0.338	0	2.675	0	7.909	0	2282	51	2.3
4539.8	10000	38.4607	95.7876	-216	PS	3.1	1	10.0	0	1.4	-1	0.296	-1	2.274	-1	7.672	-1	2345	57	2.3
4539.9	10000	38.4607	95.7868	-208	PS	3.2	1	10.0	1	1.4	0	0.302	0	2.209	-1	7.317	-1	2403	37	2.3
4540.0	10000	38.4607	95.7860	-201	PS	3.3	1	10.0	1	1.5	1	0.299	1	2.112	-1	7.056	-1	2462	48	2.3
4540.1	10000	38.4608	95.7852	-194	PS	3.5	1	11.2	2	1.6	2	0.293	2	2.098	-1	7.150	-1	2515	55	2.3
4540.2	10000	38.4608	95.7844	-186	PS	3.5	1	11.7	2	1.6	2	0.299	2	2.253	-1	7.540	-1	2536	41	2.3
4540.3	10000	38.4608	95.7836	-178	PS	3.7	1	12.1	2	1.6	2	0.304	2	2.319	-1	7.626	-1	2554	47	2.3
4540.4	10000	38.4608	95.7828	-170	PS	3.6	1	12.0	2	1.5	2	0.298	2	2.316	-1	7.775	0	2545	50	2.3
4540.5	10000	38.4609	95.7820	-163	PS	3.6	1	11.6	2	1.5	1	0.312	1	2.483	0	7.957	0	2519	44	2.3
4540.6	10000	38.4609	95.7812	-154	PS	3.7	1	11.8	1	1.4	1	0.316	1	2.588	0	8.203	0	2499	55	2.3
4540.7	10000	38.4609	95.7804	-145	PS	3.6	1	11.8	1	1.4	1	0.303	1	2.584	0	8.539	0	2469	35	2.3
4540.8	10000	38.4609	95.7796	-136	PS	3.7	1	11.6	1	1.4	1	0.318	1	2.683	0	8.444	0	2443	58	2.3
4540.9	10000	38.4610	95.7788	-129	PS	3.5	1	11.9	1	1.4	1	0.296	1	2.479	0	8.377	0	2443	44	2.3
4541.0	10000	38.4610	95.7781	-124	PS	3.5	1	11.5	1	1.4	1	0.290	1	2.429	-1	8.380	0	2430	50	2.3
4541.1	10000	38.4610	95.7773	-116	PS	3.6	1	11.4	1	1.4	1	0.314	1	2.617	0	8.322	0	2433	47	2.3
4541.2	10000	38.4610	95.7766	-107	PS	3.7	1	11.4	1	1.4	1	0.327	1	2.675	0	8.187	0	2436	36	2.3
4541.3	10000	38.4610	95.7759	-99	PS	3.5	1	11.4	1	1.4	1	0.319	1	2.543	0	7.963	0	2431	59	2.3
4541.4	10000	38.4610	95.7752	-91	PS	3.6	1	11.2	1	1.4	1	0.319	1	2.522	0	7.915	0	2426	53	2.3
4541.5	10000	38.4610	95.7745	-83	PS	3.6	1	11.2	1	1.4	1	0.305	1	2.414	0	7.918	0	2431	47	2.3
4541.6	10000	38.4610	95.7738	-76	PS	3.6	1	11.1	1	1.4	1	0.349	1	2.557	0	7.331	-1	2449	47	2.3
4541.7	10000	38.4610	95.7730	-68	PS	3.7	1	11.1	1	1.4	1	0.350	1	2.675	0	7.648	-1	2442	49	2.3
4541.8	10000	38.4610	95.7723	-60	PS	3.6	1	11.0	1	1.4	1	0.347	1	2.551	0	7.348	-1	2452	42	2.3
4541.9	10000	38.4610	95.7716	-52	PS	3.6	1	11.0	1	1.4	1	0.333	1	2.467	0	7.414	-1	2477	56	2.3
4542.0	10000	38.4610	95.7709	-45	PS	3.7	1	11.0	1	1.4	1	0.332	1	2.482	0	7.481	-1	2509	47	2.3
4542.1	10000	38.4610	95.7702	-37	PS	3.7	1	10.9	0	1.4	1	0.333	1	2.498	0	7.507	-1	2519	37	2.3
4542.2	10000	38.4610	95.7695	-30	PS	3.8	1	11.0	1	1.5	1	0.349	1	2.584	0	7.414	-1	2524	39	2.3
4542.3	10000	38.4610	95.7687	-22	PS	3.7	1	11.0	1	1.5	1	0.326	1	2.383	0	7.308	-1	2502	47	2.3
4542.4	10000	38.4610	95.7680	-15	PS	3.9	1	11.1	1	1.5	1	0.309	1	2.256	0	7.302	-1	2518	43	2.3
4542.5	10000	38.4610	95.7673	-8	PS	3.9	1	11.2	1	1.6	1	0.324	1	2.467	0	7.616	-1	2513	39	2.3
4542.6	10000	38.4610	95.7666	-1	PS	3.9	1	11.2	1	1.6	1	0.333	1	2.555	0	7.666	-1	2478	40	2.3
4542.7	10000	38.4610	95.7659	6	PS	3.9	1	11.1	1	1.5	1	0.339	1	2.580	0	7.606	-1	2439	55	2.3
4542.8	10000	38.4610	95.7651	13	PS	4.0	1	11.1	1	1.5	1	0.362	1	2.679	0	7.460	-1	2413	67	2.3
4542.9	10000	38.4610	95.7644	21	PS	4.0	1	11.1	1	1.5	1	0.356	1	2.752	0	7.739	-1	2384	50	2.3
4543.0	10000	38.4610	95.7637	27	PS	4.0	1	11.0	1	1.5	1	0.368	1	2.996	0	8.139	-1	2357	45	2.3
4543.1	10000	38.4610	95.7630	34	PS	4.1	1	10.9	1	1.5	1	0.390	1	3.032	0	7.767	-1	2307	55	2.3
4543.2	10000	38.4610	95.7623	41	PS	4.1	1	10.9	1	1.5	1	0.364	1	2.764	0	7.586	-1	2254	54	2.3
4543.3	10000	38.4610	95.7616	49	PS	4.1	1	10.9	1	1.5	1	0.373	1	2.852	0	7.641	-1	2215	51	2.3
4543.4	10000	38.4610	95.7608	55	PS	4.2	1	10.9	1	1.5	1	0.354	1	2.934	0	7.894	-1	2171	45	2.3
4543.5	10000	38.4610	95.7601	62	PS	4.2	1	10.9	1	1.5	1	0.358	1	2.937	0	8.209	-1	2140	54	2.3
4543.6	10000	38.4610	95.7594	69	PS	4.2	1	10.9	1	1.5	1	0.386	1	3.178	0	8.243	-1	2089	50	2.3

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4543.7	10000	38.4610	95.7587	76	PS	3.5	1	9.2	0	1.1	-1	0.381	1	3.278	1	8.595	0	2062	48	2.1
4543.8	10000	38.4610	95.7580	83	PS	3.4	1	9.3	0	1.0	-1	0.365	1	3.367	1	9.232	1	2048	42	2.1
4543.9	10000	38.4610	95.7572	89	PS	3.2	1	9.5	0	0.9	-1	0.342	1	3.436	1	10.057	1	2034	57	2.1
4544.0	10000	38.4610	95.7565	97	PS	3.1	0	9.3	0	1.0	-1	0.328	1	3.140	1	9.564	1	2021	56	2.1
4544.1	10000	38.4610	95.7558	103	PS	3.3	0	9.0	-1	1.0	-1	0.372	1	3.361	1	9.045	1	2002	53	2.1
4544.2	10000	38.4610	95.7551	110	PS	3.1	0	9.1	0	1.0	-1	0.336	1	3.091	1	9.213	1	1990	46	2.1
4544.3	10000	38.4610	95.7544	117	PS	2.8	-1	9.4	0	1.1	0	0.301	0	2.588	0	8.584	0	2004	45	2.1
4544.4	10000	38.4610	95.7537	123	PS	2.6	-1	9.7	0	1.1	-1	0.265	-1	2.356	-1	8.898	0	2006	44	2.1
4544.5	10000	38.4610	95.7529	129	PS	2.9	-1	9.5	0	1.1	-1	0.312	0	2.735	0	8.777	0	2010	32	2.1
4544.6	10000	38.4610	95.7522	135	PS	2.9	0	9.2	0	1.1	0	0.313	0	2.614	0	8.344	0	2020	44	2.1
4544.7	10000	38.4610	95.7515	142	PS	2.9	0	9.5	0	1.1	0	0.309	0	2.659	0	8.592	0	2037	42	2.1
4544.8	10000	38.4610	95.7508	147	PS	2.8	-1	10.2	0	1.1	0	0.274	-1	2.517	0	9.200	1	2070	52	2.1
4544.9	10000	38.4610	95.7501	153	PS	3.2	0	10.7	1	1.1	0	0.297	-1	2.888	0	9.724	1	2106	46	2.1
4545.0	10000	38.4610	95.7493	159	PS	3.3	0	10.9	1	1.1	-1	0.305	0	3.092	1	10.150	1	2126	36	2.0
4545.1	10000	38.4610	95.7486	164	PS	3.4	1	10.1	1	1.1	0	0.313	0	3.101	1	9.897	1	2150	42	2.0
4545.2	10000	38.4610	95.7479	169	PS	3.0	1	11.1	1	1.2	0	0.270	-1	2.598	0	9.613	1	2164	39	2.0
4545.3	10000	38.4610	95.7472	174	PS	3.3	2	11.4	2	1.2	0	0.289	-1	2.748	0	9.498	1	2192	45	2.0
4545.4	10000	38.4610	95.7465	177	PS	3.3	2	11.4	2	1.2	0	0.293	-1	2.822	0	9.634	1	2212	50	2.0
4545.5	10000	38.4610	95.7458	182	PS	3.3	1	11.5	1	1.3	0	0.289	-1	2.623	0	9.079	1	2246	56	2.0
4545.6	10000	38.4610	95.7450	186	PS	3.1	1	11.3	1	1.3	0	0.279	-1	2.374	-1	8.497	0	2256	43	2.0
4545.7	10000	38.4610	95.7443	190	PS	3.2	1	11.3	1	1.4	1	0.282	-1	2.307	-1	8.187	0	2287	52	2.0
4545.8	10000	38.4610	95.7436	194	PS	3.4	1	11.0	1	1.4	1	0.311	0	2.370	-1	7.627	-1	2322	54	2.0
4545.9	10000	38.4610	95.7429	198	PS	3.7	1	11.3	1	1.4	1	0.334	0	2.609	0	7.808	0	2367	42	2.0
4546.0	10000	38.4610	95.7422	201	PS	3.6	1	11.3	1	1.4	1	0.318	0	2.547	0	8.008	0	2406	40	2.0
4546.1	10000	38.4610	95.7415	204	PS	3.5	1	11.3	2	1.5	2	0.309	0	2.348	-1	7.597	-1	2456	39	2.0
4546.2	10000	38.4610	95.7407	208	PS	3.5	1	11.0	1	1.5	2	0.320	0	2.371	-1	7.401	-1	2490	55	2.0
4546.3	10000	38.4610	95.7400	211	PS	3.5	1	11.0	1	1.6	2	0.322	0	2.271	-1	7.043	-1	2531	40	2.0
4546.4	10000	38.4610	95.7393	215	PS	3.4	1	11.2	1	1.6	2	0.306	0	2.166	-1	7.074	-1	2569	42	2.0
4546.5	10000	38.4610	95.7386	219	PS	3.4	1	11.2	1	1.6	2	0.306	0	2.273	-1	7.375	-1	2596	42	2.0
4546.6	10000	38.4610	95.7379	222	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.429	-1	7.314	-1	2617	49	2.0
4546.7	10000	38.4610	95.7371	225	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.542	-1	7.266	-1	2645	43	2.0
4546.8	10000	38.4610	95.7364	228	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.715	-1	7.353	-1	2655	47	2.0
4546.9	10000	38.4610	95.7357	231	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.805	-1	7.666	-1	2673	37	2.0
4547.0	10000	38.4610	95.7350	234	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.926	0	8.047	0	2706	40	2.0
4547.1	10000	38.4610	95.7343	237	PS	3.6	1	11.2	1	1.6	2	0.321	0	3.025	0	7.877	0	2708	48	2.0
4547.2	10000	38.4610	95.7336	239	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.726	0	7.712	0	2721	47	2.0
4547.3	10000	38.4610	95.7328	242	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.476	0	7.520	0	2722	54	2.0
4547.4	10000	38.4610	95.7321	244	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.559	0	7.209	0	2699	50	2.0
4547.5	10000	38.4610	95.7314	245	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.476	0	7.184	0	2691	57	2.0
4547.6	10000	38.4610	95.7307	247	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.511	0	6.916	0	2675	39	2.0
4547.7	10000	38.4610	95.7300	249	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.286	0	6.752	0	2633	42	2.0
4547.8	10000	38.4610	95.7292	251	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.390	0	6.932	0	2588	53	2.0
4547.9	10000	38.4610	95.7285	252	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.527	0	7.174	0	2521	39	2.0
4548.0	10000	38.4610	95.7278	253	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.777	0	7.602	0	2468	44	2.0
4548.1	10000	38.4610	95.7271	254	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.800	0	7.804	0	2388	33	2.0
4548.2	10000	38.4610	95.7264	254	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.873	0	8.051	0	2309	43	2.0
4548.3	10000	38.4610	95.7256	255	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.687	0	7.559	0	2237	36	2.0
4548.4	10000	38.4610	95.7249	256	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.737	0	7.709	0	2157	82	2.0
4548.5	10000	38.4610	95.7242	256	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.416	0	7.511	0	2096	82	2.0
4548.6	10000	38.4610	95.7235	257	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.141	0	7.226	0	2014	84	2.0
4548.7	10000	38.4610	95.7228	257	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.104	0	6.836	0	2024	22	2.0
4548.8	10000	38.4610	95.7221	257	PS	3.6	1	11.2	1	1.6	2	0.321	0	2.104	0	6.836	0	2024	22	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4548.9	10000	38.4610	95.7213	258	PS	2.3	-2	10.0	0	1.1	0	0.228	-2	2.032	-1	8.915	0	2019	47	2.2
4549.0	10000	38.4610	95.7206	257	PS	2.3	-2	9.7	0	1.1	0	0.241	-2	2.119	-1	8.783	0	1997	46	2.2
4549.1	10000	38.4610	95.7199	258	PS	2.5	-1	9.6	0	1.1	0	0.261	-1	2.230	-1	8.561	0	1997	38	2.2
4549.2	10000	38.4610	95.7192	257	PS	2.6	-1	9.6	0	1.1	0	0.274	-1	2.348	-1	8.564	0	2008	41	2.2
4549.3	10000	38.4610	95.7185	257	PS	2.8	-1	9.3	0	1.1	0	0.304	0	2.516	0	8.287	0	2002	38	2.2
4549.4	10000	38.4610	95.7178	256	PS	2.8	-1	8.8	-1	1.1	-1	0.322	0	2.604	0	8.078	0	1994	38	2.2
4549.5	10000	38.4610	95.7170	255	PS	2.9	0	9.0	-1	1.1	-1	0.326	0	2.690	0	8.261	0	1988	41	2.2
4549.6	10000	38.4610	95.7163	254	PS	3.1	0	8.8	-1	1.1	0	0.349	0	2.736	0	7.833	0	1973	61	2.2
4549.7	10000	38.4610	95.7156	254	QAL	3.1	0	8.7	0	1.1	0	0.358	0	2.730	0	7.636	0	1980	52	2.3
4549.8	10000	38.4610	95.7149	253	QAL	3.1	0	8.3	-1	1.1	-1	0.369	0	2.856	0	7.740	0	1984	49	2.3
4549.9	10000	38.4610	95.7142	252	QAL	3.2	0	8.3	-1	1.1	-1	0.382	1	2.924	1	7.648	0	1986	38	2.3
4550.0	10000	38.4610	95.7134	251	QAL	3.1	0	8.8	0	1.1	-1	0.350	0	2.897	1	8.275	0	1991	49	2.3
4550.1	10000	38.4610	95.7127	250	QAL	3.1	0	9.3	0	1.1	0	0.336	0	2.740	0	8.148	0	202	53	2.3
4550.2	10000	38.4610	95.7120	249	QAL	2.9	0	9.0	0	1.2	0	0.329	0	2.494	0	7.574	0	2045	40	2.3
4550.3	10000	38.4610	95.7113	247	QAL	2.8	0	9.3	0	1.2	0	0.304	0	2.272	0	7.467	0	2085	49	2.3
4550.4	10000	38.4610	95.7106	245	QAL	2.6	-1	9.4	0	1.3	0	0.281	-1	2.022	-1	7.185	0	2123	45	2.4
4550.5	10000	38.4610	95.7099	243	QAL	2.5	-1	9.9	1	1.4	0	0.253	-1	1.837	-1	7.266	0	2159	41	2.4
4550.6	10000	38.4610	95.7091	241	QAL	2.5	-1	9.9	1	1.4	0	0.253	-1	1.812	-1	7.153	0	2204	43	2.4
4550.7	10000	38.4610	95.7084	240	QAL	2.6	-1	9.5	0	1.4	0	0.273	-1	1.792	-1	6.570	-1	2254	48	2.4
4550.8	10000	38.4610	95.7077	238	QAL	2.7	-1	9.5	0	1.5	1	0.289	-1	1.874	-1	6.480	-1	2295	41	2.4
4550.9	10000	38.4610	95.7070	235	QAL	3.0	0	9.8	1	1.4	0	0.309	0	2.113	-1	6.833	-1	2310	52	2.4
4551.0	10000	38.4610	95.7063	233	QAL	3.1	0	10.2	1	1.4	0	0.306	0	2.259	0	7.372	0	2331	46	2.4
4551.1	10000	38.4610	95.7056	231	QAL	3.5	1	10.6	1	1.4	0	0.333	0	2.509	0	7.529	0	2350	73	2.4
4551.2	10000	38.4610	95.7048	229	QAL	3.6	1	10.3	1	1.4	0	0.354	0	2.597	0	7.332	0	2351	49	2.5
4551.3	10000	38.4610	95.7041	227	QAL	3.6	1	10.8	1	1.4	0	0.331	0	2.557	0	7.734	0	2341	34	2.5
4551.4	10000	38.4610	95.7034	224	QAL	3.6	1	11.0	1	1.4	0	0.326	0	2.635	0	8.094	0	2342	65	2.5
4551.5	10000	38.4610	95.7027	223	QAL	3.6	1	10.9	1	1.4	0	0.330	0	2.586	0	8.382	0	2324	55	2.5
4551.6	10000	38.4610	95.7020	221	QAL	3.6	1	10.9	1	1.4	0	0.330	0	2.597	0	8.527	0	2339	45	2.5
4551.7	10000	38.4610	95.7012	218	QAL	3.6	1	10.9	1	1.4	0	0.330	0	2.268	0	8.103	0	2352	47	2.5
4551.8	10000	38.4610	95.7005	216	QAL	3.6	1	10.9	1	1.4	0	0.330	0	2.199	0	8.661	0	2354	45	2.5
4551.9	10000	38.4610	95.6998	214	QAL	3.6	1	10.9	1	1.4	0	0.330	0	2.300	0	8.766	0	2368	38	2.5
4552.0	10000	38.4610	95.6991	212	QAL	3.6	1	10.9	1	1.4	0	0.330	0	2.450	0	8.571	0	2401	40	2.6
4552.1	10000	38.4610	95.6984	209	QAL	3.6	1	10.9	1	1.4	0	0.330	0	2.541	0	8.392	0	2405	50	2.6
4552.2	10000	38.4610	95.6976	207	QAL	3.6	1	10.9	1	1.4	0	0.330	0	2.730	0	8.670	0	2413	44	2.6
4552.3	10000	38.4610	95.6969	204	QAL	3.6	1	10.9	1	1.4	0	0.330	0	2.706	0	8.644	0	2428	47	2.6
4552.4	10000	38.4610	95.6962	201	QAL	3.6	1	10.9	1	1.4	0	0.330	0	2.861	0	8.064	0	2404	49	2.6
4552.5	10000	38.4610	95.6955	198	QAL	3.6	1	10.9	1	1.4	0	0.330	0	2.809	0	8.366	0	2415	50	2.6
4552.6	10000	38.4610	95.6948	195	QAL	3.6	1	10.9	1	1.4	0	0.330	0	2.711	0	8.424	0	2410	46	2.6
4552.7	10000	38.4611	95.6941	192	QAL	3.6	1	10.9	1	1.4	0	0.330	0	2.479	0	8.581	0	2384	45	2.6
4552.8	10000	38.4611	95.6933	189	QAL	3.6	1	10.9	1	1.4	0	0.330	0	2.281	0	8.344	0	2380	49	2.6
4552.9	10000	38.4610	95.6926	186	QAL	3.6	1	10.9	1	1.4	0	0.330	0	2.017	0	8.090	0	2387	49	2.6
4553.0	10000	38.4610	95.6919	183	QAL	3.6	1	10.9	1	1.4	0	0.330	0	1.898	0	7.777	0	2374	46	2.6
4553.1	10000	38.4611	95.6912	179	QAL	3.6	1	10.9	1	1.4	0	0.330	0	1.918	0	7.398	0	2378	47	2.6
4553.2	10000	38.4611	95.6905	175	QAL	3.6	1	10.9	1	1.4	0	0.330	0	1.682	0	7.423	0	2355	53	2.6
4553.3	10000	38.4611	95.6897	172	QAL	3.6	1	10.9	1	1.4	0	0.330	0	1.756	0	7.331	0	2348	40	2.6
4553.4	10000	38.4610	95.6890	168	QAL	3.6	1	10.9	1	1.4	0	0.330	0	1.887	0	7.419	0	2338	49	2.6
4553.5	10000	38.4611	95.6883	165	QAL	3.6	1	10.9	1	1.4	0	0.330	0	1.931	0	7.978	0	2311	48	2.6
4553.6	10000	38.4610	95.6876	161	QAL	3.6	1	10.9	1	1.4	0	0.330	0	1.906	0	7.971	0	2273	52	2.6
4553.7	10000	38.4611	95.6869	157	QAL	3.6	1	10.9	1	1.4	0	0.330	0	1.997	0	7.285	0	2219	41	2.6
4553.8	10000	38.4611	95.6862	153	QAL	3.6	1	10.9	1	1.4	0	0.330	0	1.994	0	7.563	0	2168	45	2.6
4553.9	10000	38.4611	95.6854	150	QAL	3.6	1	10.9	1	1.4	0	0.330	0	1.934	0	7.773	0	2125	52	2.6
4554.0	10000	38.4611	95.6847	146	QAL	3.6	1	10.9	1	1.4	0	0.330	0	1.649	0	7.649	0	2091	42	2.7

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4554.1	10000	38.4610	95.6840	143	QAL	2.1	-2	9.1	0	1.2	0	0.233	-2	1.832	-1	7.846	0	2058	47	2.7
4554.2	10000	38.4611	95.6833	139	QAL	2.0	-2	8.5	-1	1.2	0	0.232	-2	1.639	-1	7.070	0	2050	56	2.7
4554.3	10000	38.4611	95.6826	135	QAL	1.9	-2	8.2	-1	1.2	0	0.230	-2	1.533	-2	6.653	-1	2021	44	2.7
4554.4	10000	38.4611	95.6819	131	QAL	1.8	-2	7.8	-1	1.3	0	0.231	-2	1.438	-2	6.236	-1	2021	37	2.7
4554.5	10000	38.4611	95.6811	127	QAL	1.9	-2	7.3	-1	1.3	0	0.254	-1	1.447	-2	5.699	-1	2026	44	2.7
4554.6	10000	38.4610	95.6804	122	QAL	2.1	-2	7.2	-2	1.3	0	0.295	-1	1.596	-1	5.420	-1	2031	27	2.7
4554.7	10000	38.4611	95.6797	118	QAL	2.1	-2	7.6	-1	1.4	0	0.275	-1	1.525	-2	5.544	-1	2036	48	2.7
4554.8	10000	38.4611	95.6790	114	PS	1.7	-3	7.9	-2	1.4	1	0.215	-2	1.197	-3	5.576	-2	2050	43	2.7
4554.9	10000	38.4611	95.6783	110	PS	1.8	-3	8.7	-1	1.4	1	0.211	-2	1.297	-3	6.138	-2	2059	51	2.7
4555.0	10000	38.4611	95.6775	106	PS	1.9	-3	8.7	-1	1.4	1	0.218	-2	1.356	-3	6.223	-2	2085	54	2.7
4555.1	10000	38.4611	95.6768	102	PS	1.9	-2	8.9	-1	1.4	1	0.217	-2	1.348	-3	6.200	-2	2125	42	2.7
4555.2	10000	38.4611	95.6761	97	PS	2.0	-2	9.3	0	1.5	2	0.219	-2	1.350	-3	6.170	-2	2171	41	2.7
4555.3	10000	38.4611	95.6754	94	PS	2.0	-2	9.5	0	1.5	2	0.207	-2	1.303	-3	6.279	-2	2217	44	2.7
4555.4	10000	38.4611	95.6747	90	PS	2.0	-2	10.0	0	1.6	2	0.206	-2	1.292	-3	6.278	-2	2280	40	2.7
4555.5	10000	38.4611	95.6740	86	PS	2.4	-1	10.1	0	1.6	2	0.242	-2	1.535	-2	6.329	-2	2338	36	2.7
4555.6	10000	38.4611	95.6732	82	PS	2.5	-1	10.2	1	1.6	2	0.243	-1	1.551	-2	6.376	-2	2378	53	2.6
4555.7	10000	38.4611	95.6725	78	PS	2.5	-1	10.9	1	1.6	2	0.231	-2	1.546	-2	6.687	-1	2433	60	2.6
4555.8	10000	38.4611	95.6718	74	PS	2.7	-1	11.7	2	1.6	2	0.231	-2	1.696	-2	7.353	-1	2485	46	2.6
4555.9	10000	38.4611	95.6711	71	PS	2.8	-1	12.6	3	1.6	2	0.226	-2	1.809	-2	8.021	0	2529	40	2.6
4556.0	10000	38.4611	95.6704	67	PS	2.9	0	13.0	3	1.5	2	0.224	-2	1.889	-2	8.436	0	2558	48	2.6
4556.1	10000	38.4611	95.6696	64	PS	3.1	0	13.4	3	1.4	2	0.234	-2	2.194	-1	9.386	1	2565	38	2.6
4556.2	10000	38.4611	95.6689	59	PS	3.4	0	13.3	3	1.3	2	0.257	-1	2.568	0	9.977	1	2548	50	2.6
4556.3	10000	38.4611	95.6682	56	PS	3.5	0	12.9	3	1.3	2	0.275	-1	2.774	0	10.088	1	2546	47	2.6
4556.4	10000	38.4611	95.6675	52	PS	3.7	0	12.8	3	1.3	2	0.293	-1	2.988	0	10.208	2	2510	54	2.6
4556.5	10000	38.4611	95.6668	48	PS	3.6	0	12.1	2	1.3	2	0.297	-1	2.770	0	9.338	1	2452	44	2.6
4556.6	10000	38.4611	95.6660	44	PS	3.4	0	11.0	1	1.3	2	0.309	0	2.698	0	8.719	0	2376	52	2.6
4556.7	10000	38.4611	95.6653	40	PS	3.2	0	10.0	1	1.3	2	0.290	-1	2.505	0	8.628	0	2325	52	2.6
4556.8	10000	38.4611	95.6646	36	PS	3.0	0	9.2	1	1.3	2	0.298	-1	2.328	0	8.811	0	2281	41	2.6
4556.9	10000	38.4611	95.6639	32	PS	2.7	0	8.4	1	1.3	2	0.262	-1	2.033	0	7.754	0	2234	43	2.6
4557.0	10000	38.4611	95.6632	27	PS	2.3	0	7.6	0	1.3	2	0.255	-1	1.993	0	7.826	0	2183	41	2.6
4557.1	10000	38.4611	95.6625	23	PS	2.0	-1	7.0	0	1.3	2	0.264	-1	2.034	0	7.690	0	2158	51	2.6
4557.2	10000	38.4611	95.6617	19	PS	1.7	-1	6.4	0	1.3	2	0.282	-1	2.334	0	8.289	0	2118	47	2.6
4557.3	10000	38.4611	95.6610	15	PS	1.5	-1	5.7	0	1.3	2	0.295	-1	2.599	0	8.825	0	2111	49	2.6
4557.4	10000	38.4611	95.6603	11	PS	1.3	-1	5.2	0	1.3	2	0.255	-1	2.982	0	8.319	0	2079	38	2.6
4557.5	10000	38.4611	95.6596	6	PS	1.1	-1	4.5	0	1.3	2	0.244	-1	3.109	0	8.170	0	2038	52	2.6
4557.6	10000	38.4611	95.6589	2	PS	0.9	-1	3.9	0	1.3	2	0.231	-1	3.330	0	8.108	0	2015	55	2.6
4557.7	10000	38.4611	95.6582	-2	PS	0.7	-1	3.4	0	1.3	2	0.206	-1	3.320	0	7.720	0	1993	55	2.6
4557.8	10000	38.4611	95.6574	-7	PS	0.6	-1	2.9	0	1.3	2	0.207	-1	3.334	0	7.756	0	1983	55	2.6
4557.9	10000	38.4611	95.6567	-12	PS	0.5	-1	2.5	0	1.3	2	0.203	-1	3.977	0	7.346	0	1998	55	2.6
4558.0	10000	38.4611	95.6560	-17	PS	0.4	-1	2.2	0	1.3	2	0.181	-1	4.043	0	6.945	0	2008	55	2.6
4558.1	10000	38.4610	95.6552	-22	PS	0.3	-1	1.9	0	1.3	2	0.158	-1	4.043	0	7.348	0	2018	55	2.6
4558.2	10000	38.4610	95.6545	-27	PS	0.2	-1	1.6	0	1.3	2	0.135	-1	4.043	0	7.178	0	2047	55	2.6
4558.3	10000	38.4610	95.6537	-33	PS	0.2	-1	1.4	0	1.3	2	0.135	-1	4.043	0	7.309	0	2079	55	2.6
4558.4	10000	38.4610	95.6530	-37	PS	0.1	-1	1.2	0	1.3	2	0.113	-1	4.043	0	7.566	0	2126	55	2.6
4558.5	10000	38.4610	95.6523	-42	PS	0.1	-1	1.0	0	1.3	2	0.113	-1	4.043	0	7.477	0	2169	55	2.6
4558.6	10000	38.4610	95.6515	-47	PS	0.0	-1	0.9	0	1.3	2	0.090	-1	4.043	0	7.267	0	2203	55	2.6
4558.7	10000	38.4610	95.6507	-51	PS	0.0	-1	0.7	0	1.3	2	0.090	-1	4.043	0	7.472	0	2233	55	2.6
4558.8	10000	38.4609	95.6500	-56	PS	0.0	-1	0.6	0	1.3	2	0.090	-1	4.043	0	7.100	0	2280	55	2.6
4558.9	10000	38.4609	95.6492	-60	PS	0.0	-1	0.5	0	1.3	2	0.090	-1	4.043	0	7.188	0	2311	55	2.6
4559.0	10000	38.4609	95.6485	-64	PS	0.0	-1	0.4	0	1.3	2	0.090	-1	4.043	0	7.730	0	2348	55	2.6
4559.1	10000	38.4609	95.6477	-68	PS	0.0	-1	0.3	0	1.3	2	0.090	-1	4.043	0	7.601	0	2365	55	2.6
4559.2	10000	38.4609	95.6470	-71	PS	0.0	-1	0.2	0	1.3	2	0.090	-1	4.043	0	7.371	-2	2380	44	2.6

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4559.3	10000	38.4609	95.6462	-74	PS	4.0	2	10.0	0	1.6	2	0.396	1	2.537	0	6.407	-2	2393	50	2.4
4559.4	10000	38.4608	95.6455	-76	PS	3.7	1	10.1	0	1.6	2	0.369	1	2.320	-1	6.283	-2	2428	46	2.4
4559.5	10000	38.4608	95.6447	-79	PS	3.9	2	10.3	1	1.6	2	0.379	1	2.453	0	6.473	-1	2462	43	2.4
4559.6	10000	38.4608	95.6440	-80	PS	3.8	1	10.7	1	1.6	2	0.355	1	2.334	-1	6.577	-1	2505	53	2.4
4559.7	10000	38.4608	95.6432	-81	PS	3.6	1	11.4	2	1.6	2	0.313	0	2.230	-1	7.125	-1	2544	39	2.4
4559.8	10000	38.4608	95.6425	-82	PS	3.8	1	11.7	2	1.6	2	0.322	0	2.311	-1	7.179	-1	2596	41	2.4
4559.9	10000	38.4608	95.6417	-83	PS	3.8	1	12.0	2	1.6	2	0.315	0	2.315	-1	7.348	-1	2622	47	2.4
4560.0	10000	38.4608	95.6410	-83	PS	3.6	1	12.5	3	1.5	2	0.287	-1	2.313	-1	8.070	0	2608	39	2.4
4560.1	10000	38.4607	95.6402	-84	PS	3.8	1	12.5	3	1.5	2	0.304	0	2.526	0	8.317	0	2588	36	2.4
4560.2	10000	38.4607	95.6395	-84	PS	3.8	1	12.5	3	1.5	2	0.307	0	2.606	0	8.480	0	2561	41	2.4
4560.3	10000	38.4607	95.6387	-83	PS	4.0	2	12.1	2	1.4	1	0.328	0	2.779	0	8.473	0	2524	51	2.4
4560.4	10000	38.4607	95.6380	-83	PS	3.7	1	11.5	2	1.4	1	0.324	0	2.702	0	8.334	0	2478	53	2.4
4560.5	10000	38.4607	95.6372	-82	PS	3.6	1	11.1	2	1.4	1	0.322	0	2.581	0	8.009	0	2427	48	2.4
4560.6	10000	38.4607	95.6365	-82	PS	3.4	1	11.5	2	1.3	1	0.292	-1	2.516	0	8.605	0	2383	54	2.4
4560.7	10000	38.4607	95.6357	-81	PS	3.6	1	11.1	2	1.4	1	0.322	0	2.625	0	8.141	0	2388	48	2.4
4560.8	10000	38.4606	95.6350	-79	PS	3.4	1	10.7	1	1.4	1	0.312	0	2.451	0	7.845	0	2369	48	2.3
4560.9	10000	38.4606	95.6342	-78	PS	3.4	1	10.6	1	1.4	1	0.321	0	2.504	0	7.795	0	2348	34	2.3
4561.0	10000	38.4606	95.6335	-78	PS	3.2	1	10.7	1	1.3	1	0.302	0	2.474	0	8.188	0	2307	47	2.3
4561.1	10000	38.4606	95.6327	-77	PS	3.3	1	10.5	1	1.3	1	0.315	0	2.562	0	8.143	0	2269	48	2.3
4561.2	10000	38.4606	95.6320	-76	PS	3.2	1	10.6	1	1.2	1	0.305	0	2.780	0	9.118	1	2209	49	2.3
4561.3	10000	38.4606	95.6312	-76	PS	3.2	1	9.9	1	1.2	1	0.324	0	2.780	0	8.578	0	2157	33	2.3
4561.4	10000	38.4606	95.6305	-75	PS	2.9	1	9.9	1	1.2	1	0.297	-1	2.513	0	8.470	0	2116	44	2.3
4561.5	10000	38.4605	95.6297	-75	PS	3.0	1	10.1	1	1.1	1	0.287	-1	2.563	0	8.914	0	2068	42	2.3
4561.6	10000	38.4605	95.6290	-74	PS	2.8	1	10.1	1	1.1	1	0.278	-1	2.627	0	9.461	1	2028	46	2.3
4561.7	10000	38.4605	95.6282	-73	PS	2.7	1	10.1	1	1.0	1	0.269	-1	2.612	0	9.698	1	2011	47	2.3
4561.8	10000	38.4605	95.6275	-72	PS	2.7	1	10.3	1	1.0	1	0.259	-1	2.569	0	9.918	1	2005	54	2.3
4561.9	10000	38.4605	95.6267	-71	PS	2.9	1	10.2	1	1.0	1	0.281	-1	2.720	0	9.685	1	2024	53	2.3
4562.0	10000	38.4605	95.6260	-68	PS	2.8	1	10.2	1	0.9	1	0.272	-1	2.767	0	10.189	2	2061	46	2.3
4562.1	10000	38.4604	95.6252	-66	PS	2.9	1	10.5	1	0.9	1	0.276	-1	3.082	1	11.179	2	2070	45	2.3
4562.2	10000	38.4604	95.6245	-64	PS	3.1	1	10.4	1	0.9	1	0.301	0	3.412	1	11.345	2	2098	41	2.3
4562.3	10000	38.4604	95.6237	-61	PS	3.0	1	10.2	1	0.9	1	0.294	0	3.319	1	11.939	2	2131	54	2.3
4562.4	10000	38.4604	95.6230	-58	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.329	1	10.390	2	2164	54	2.3
4562.5	10000	38.4604	95.6222	-54	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.353	1	10.141	2	2209	45	2.3
4562.6	10000	38.4604	95.6215	-50	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.333	1	9.992	2	2243	38	2.3
4562.7	10000	38.4604	95.6207	-47	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.314	1	9.707	2	2276	44	2.3
4562.8	10000	38.4603	95.6200	-43	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.322	1	9.161	2	2313	54	2.3
4562.9	10000	38.4603	95.6192	-39	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.297	1	9.742	2	2344	45	2.3
4563.0	10000	38.4603	95.6185	-36	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.266	1	9.980	2	2353	44	2.3
4563.1	10000	38.4603	95.6177	-33	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.272	1	9.959	2	2368	49	2.3
4563.2	10000	38.4603	95.6170	-30	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.235	1	9.867	2	2365	59	2.3
4563.3	10000	38.4603	95.6162	-27	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.247	1	9.658	2	2342	32	2.3
4563.4	10000	38.4603	95.6155	-24	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.268	1	9.342	2	2346	46	2.3
4563.5	10000	38.4602	95.6147	-22	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.286	1	9.873	2	2357	52	2.3
4563.6	10000	38.4602	95.6140	-24	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.312	1	9.762	2	2365	44	2.3
4563.7	10000	38.4602	95.6132	-27	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.345	1	9.735	2	2384	56	2.3
4563.8	10000	38.4602	95.6125	-28	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.360	1	9.723	2	2389	44	2.3
4563.9	10000	38.4602	95.6117	-31	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.360	1	9.614	2	2396	33	2.3
4564.0	10000	38.4602	95.6110	-34	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.355	1	9.583	2	2438	37	2.3
4564.1	10000	38.4601	95.6095	-37	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.354	1	9.540	2	2449	50	2.3
4564.2	10000	38.4601	95.6087	-40	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.355	1	9.140	2	2472	58	2.3
4564.3	10000	38.4601	95.6080	-44	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.358	1	9.785	2	2499	54	2.3
4564.4	10000	38.4601	95.6072	-47	PS	3.1	1	10.2	1	0.9	1	0.304	0	3.354	1	9.353	2	2533	58	2.3

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4564.5	10000	38.4601	95.6072	-48	PS	4.2	2	12.2	2	1.4	1	0.347	0	2.936	0	8.471	0	2556	56	2.3
4564.6	10000	38.4601	95.6065	-53	PS	4.4	3	12.7	3	1.5	2	0.347	0	2.944	0	8.485	0	2571	44	2.3
4564.7	10000	38.4601	95.6057	-58	PS	4.7	3	12.2	2	1.5	2	0.385	1	3.178	1	8.247	0	2560	42	2.3
4564.8	10000	38.4600	95.6050	-63	PS	4.7	3	11.6	2	1.4	1	0.406	1	3.358	1	8.260	0	2514	44	2.3
4564.9	10000	38.4600	95.6042	-69	PS	4.5	3	11.1	1	1.3	1	0.405	1	3.506	2	8.649	0	2454	48	2.3
4565.0	10000	38.4600	95.6035	-74	PS	4.1	2	10.6	1	1.3	1	0.389	1	3.159	1	8.119	0	2392	45	2.3
4565.1	10000	38.4600	95.6027	-80	PS	3.9	2	10.1	0	1.2	0	0.389	1	3.160	1	8.118	0	2311	55	2.3
4565.2	10000	38.4600	95.6020	-85	PS	4.0	2	9.4	0	1.2	0	0.431	2	3.358	1	7.797	0	2230	39	2.3
4565.3	10000	38.4600	95.6012	-91	PS	3.9	2	8.7	-1	1.1	-1	0.448	2	3.579	2	7.998	0	2137	45	2.3
4565.4	10000	38.4600	95.6005	-98	PS	3.7	1	8.1	-1	1.0	-1	0.455	2	3.578	2	7.867	0	2057	36	2.3
4565.5	10000	38.4599	95.5997	-104	PS	3.6	1	8.2	-1	1.0	-1	0.442	2	3.530	2	7.982	0	2013	49	2.3
4565.6	10000	38.4599	95.5990	-110	PS	3.5	1	7.9	-2	1.1	0	0.444	2	3.190	1	7.189	-1	1976	50	2.3
4565.7	10000	38.4599	95.5982	-115	PS	3.5	1	7.9	-2	1.0	-1	0.449	2	3.384	1	7.546	-1	1950	42	2.3
4565.8	10000	38.4599	95.5975	-121	PD	3.4	1	7.6	-2	1.0	-1	0.453	2	3.409	1	7.533	-1	1910	34	2.3
4565.9	10000	38.4599	95.5967	-127	PD	3.2	1	7.5	-2	1.0	-1	0.434	2	3.323	1	7.659	-1	1876	39	2.3
4566.0	10000	38.4599	95.5959	-133	PD	3.1	0	7.5	-2	1.0	-1	0.415	2	3.123	1	7.526	-1	1874	50	2.3
4566.1	10000	38.4598	95.5952	-139	PD	2.8	-1	7.6	-2	1.0	-1	0.368	1	2.864	0	7.782	-1	1855	44	2.3
4566.2	10000	38.4598	95.5945	-145	PD	2.5	-1	7.4	-2	1.0	-1	0.342	1	2.542	-1	7.429	-1	1838	46	2.3
4566.3	10000	38.4598	95.5937	-152	PD	2.4	-2	7.1	-2	0.9	-1	0.339	1	2.579	-1	7.613	-1	1804	41	2.3
4566.4	10000	38.4598	95.5930	-159	PD	2.8	-1	6.7	-2	0.9	-1	0.414	1	3.087	0	7.452	-1	1789	40	2.3
4566.5	10000	38.4598	95.5922	-165	PD	3.0	0	6.8	-2	0.9	-1	0.446	2	3.345	1	7.504	-1	1802	51	2.2
4566.6	10000	38.4598	95.5914	-172	PD	3.0	0	7.1	-2	0.9	-1	0.421	2	3.236	1	7.684	-1	1827	47	2.2
4566.7	10000	38.4598	95.5907	-179	PD	3.2	0	7.0	-2	0.9	-1	0.454	2	3.481	1	7.668	-1	1828	53	2.2
4566.8	10000	38.4597	95.5900	-186	PD	3.2	0	6.9	-2	0.9	-1	0.470	3	3.625	2	7.721	-1	1846	60	2.2
4566.9	10000	38.4597	95.5892	-192	PD	3.5	1	7.4	-2	0.8	-1	0.479	3	4.179	2	8.730	0	1855	45	2.2
4567.0	10000	38.4597	95.5885	-200	PD	3.6	1	7.7	-2	0.8	-2	0.474	3	4.352	2	9.187	0	1858	49	2.2
4567.1	10000	38.4597	95.5877	-207	PD	3.4	1	7.8	-2	0.8	-1	0.437	2	4.031	2	9.225	0	1835	47	2.3
4567.2	10000	38.4597	95.5869	-214	PD	3.3	0	7.9	-1	0.8	-2	0.413	2	3.922	2	9.490	0	1827	51	2.3
4567.3	10000	38.4597	95.5862	-222	PS	3.4	0	7.8	-1	0.8	-2	0.431	2	3.958	2	10.107	1	1818	38	2.3
4567.4	10000	38.4597	95.5854	-229	PS	3.5	0	7.8	-1	0.8	-2	0.441	2	4.043	2	10.326	1	1805	35	2.3
4567.5	10000	38.4596	95.5847	-237	PS	3.5	0	7.8	-1	0.8	-2	0.445	2	4.043	2	10.896	1	1801	43	2.3
4567.6	10000	38.4596	95.5839	-244	PS	3.5	0	7.8	-1	0.8	-2	0.418	2	4.221	2	10.610	1	1793	56	2.3
4567.7	10000	38.4596	95.5832	-251	PS	3.5	0	7.8	-1	0.8	-2	0.391	1	4.000	2	9.904	1	1814	45	2.3
4567.8	10000	38.4596	95.5824	-259	PS	3.5	0	7.8	-1	0.8	-2	0.398	2	4.000	2	9.980	1	1839	46	2.3
4567.9	10000	38.4596	95.5817	-266	PS	3.5	0	7.8	-1	0.8	-2	0.383	2	4.000	2	10.627	1	1855	53	2.3
4568.0	10000	38.4596	95.5809	-273	PS	3.5	0	7.8	-1	0.8	-2	0.366	2	4.000	2	10.402	1	1878	49	2.3
4568.1	10000	38.4595	95.5802	-280	PS	3.5	0	7.8	-1	0.8	-2	0.345	2	4.000	2	10.402	1	1911	60	2.3
4568.2	10000	38.4595	95.5794	-287	PS	3.5	0	7.8	-1	0.8	-2	0.317	2	4.000	2	10.556	1	1942	62	2.3
4568.3	10000	38.4595	95.5787	-293	PS	3.5	0	7.8	-1	0.8	-2	0.324	2	4.000	2	10.165	1	1974	45	2.3
4568.4	10000	38.4595	95.5779	-299	PS	3.5	0	7.8	-1	0.8	-2	0.338	2	4.000	2	10.115	1	1989	49	2.3
4568.5	10000	38.4595	95.5772	-306	PS	3.5	0	7.8	-1	0.8	-2	0.314	2	4.000	2	10.590	1	2021	50	2.3
4568.6	10000	38.4595	95.5764	-312	PS	3.5	0	7.8	-1	0.8	-2	0.333	2	4.000	2	10.661	1	2039	36	2.3
4568.7	10000	38.4595	95.5757	-318	PS	3.5	0	7.8	-1	0.8	-2	0.361	2	4.000	2	10.491	1	2044	45	2.3
4568.8	10000	38.4594	95.5749	-324	PS	3.5	0	7.8	-1	0.8	-2	0.333	2	4.000	2	10.541	1	2053	45	2.3
4568.9	10000	38.4594	95.5742	-330	PS	3.5	0	7.8	-1	0.8	-2	0.321	2	4.000	2	10.735	1	2056	46	2.3
4569.0	10000	38.4594	95.5734	-337	PS	3.5	0	7.8	-1	0.8	-2	0.300	2	4.000	2	10.036	1	2066	40	2.3
4569.1	10000	38.4594	95.5727	-342	PS	3.5	0	7.8	-1	0.8	-2	0.325	2	4.000	2	10.691	1	2075	49	2.3
4569.2	10000	38.4594	95.5719	-349	PS	3.5	0	7.8	-1	0.8	-2	0.316	2	4.000	2	10.568	1	2085	47	2.3
4569.3	10000	38.4594	95.5712	-354	PS	3.5	0	7.8	-1	0.8	-2	0.330	2	4.000	2	10.671	1	2114	40	2.3
4569.4	10000	38.4594	95.5704	-360	PS	3.5	0	7.8	-1	0.8	-2	0.360	2	4.000	2	10.421	1	2114	49	2.3
4569.5	10000	38.4593	95.5697	-366	PS	3.5	0	7.8	-1	0.8	-2	0.360	2	4.000	2	10.380	1	2138	49	2.3
4569.6	10000	38.4593	95.5689	-372	PS	3.5	0	7.8	-1	0.8	-2	0.360	2	4.000	2	10.788	1	2188	49	2.3

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4569.7	10000	38.4593	95.5682	-377	PS	3.7	1	9.6	0	1.2	0	0.388	1	2.978	1	7.669	-1	2223	47	2.2
4569.8	10000	38.4593	95.5674	-383	PS	4.0	2	10.0	0	1.3	0	0.396	1	3.145	1	7.934	0	2292	47	2.2
4569.9	10000	38.4593	95.5667	-389	PS	3.8	1	10.3	0	1.3	1	0.370	1	2.876	1	7.781	0	2336	40	2.2
4570.0	10000	38.4593	95.5659	-394	PS	3.9	2	11.0	1	1.4	1	0.352	0	2.816	0	8.001	0	2392	53	2.2
4570.1	10000	38.4593	95.5652	-400	PS	3.8	1	11.4	2	1.4	1	0.333	0	2.663	0	7.991	0	2434	49	2.2
4570.2	10000	38.4592	95.5644	-405	PS	3.8	1	11.5	2	1.4	1	0.329	0	2.629	0	7.997	0	2470	38	2.2
4570.3	10000	38.4592	95.5637	-410	PS	3.7	1	11.7	2	1.5	2	0.321	0	2.508	0	7.801	0	2506	51	2.2
4570.4	10000	38.4592	95.5629	-416	PS	3.7	1	12.6	3	1.5	2	0.298	-1	2.470	0	8.292	0	2535	45	2.2
4570.5	10000	38.4592	95.5622	-421	PS	3.5	1	12.6	3	1.5	2	0.276	-1	2.290	-1	8.285	0	2537	34	2.2
4570.6	10000	38.4592	95.5614	-427	PS	3.6	1	13.0	3	1.5	2	0.275	-1	2.374	-1	8.642	0	2559	47	2.2
4570.7	10000	38.4592	95.5607	-433	PS	3.4	1	13.1	3	1.6	2	0.264	-1	2.216	-1	8.401	0	2573	41	2.2
4570.8	10000	38.4591	95.5599	-437	PS	3.6	1	13.4	3	1.6	2	0.267	-1	2.295	-1	8.605	0	2579	50	2.2
4570.9	10000	38.4591	95.5592	-443	PS	3.4	0	13.1	3	1.6	2	0.258	-1	2.116	-1	8.216	0	2577	41	2.2
4571.0	10000	38.4591	95.5584	-448	PS	3.3	0	13.6	4	1.5	2	0.244	-1	2.149	-1	8.814	0	2561	49	2.2
4571.1	10000	38.4591	95.5577	-453	PS	3.3	1	12.8	3	1.5	2	0.261	-1	2.157	-1	8.275	0	2541	46	2.2
4571.2	10000	38.4591	95.5569	-458	PS	3.4	1	12.8	3	1.5	2	0.266	-1	2.227	-1	8.368	0	2524	53	2.3
4571.3	10000	38.4591	95.5562	-463	PS	3.6	1	12.4	3	1.4	1	0.288	-1	2.469	0	8.576	0	2486	55	2.3
4571.4	10000	38.4590	95.5554	-468	PS	3.6	1	11.8	2	1.4	1	0.303	0	2.499	0	8.251	0	2434	45	2.3
4571.5	10000	38.4590	95.5547	-472	PS	3.3	1	10.9	1	1.4	1	0.300	-1	2.373	-1	7.915	0	2379	33	2.3
4571.6	10000	38.4590	95.5539	-477	PS	3.3	0	10.6	1	1.3	1	0.312	0	2.544	0	8.161	0	2347	43	2.3
4571.7	10000	38.4590	95.5532	-481	PS	3.3	1	10.2	1	1.3	1	0.327	0	2.625	0	8.037	0	2294	34	2.3
4571.8	10000	38.4590	95.5524	-484	PS	3.6	1	10.5	1	1.3	1	0.342	0	2.818	0	8.232	0	2276	38	2.3
4571.9	10000	38.4590	95.5517	-487	PS	3.5	1	10.3	1	1.3	1	0.335	0	2.790	0	8.329	0	2261	52	2.3
4572.0	10000	38.4590	95.5509	-491	PS	3.3	1	10.2	1	1.3	1	0.325	0	2.616	0	8.051	0	2257	50	2.3
4572.1	10000	38.4589	95.5502	-495	PS	3.3	1	10.6	1	1.3	1	0.313	0	2.719	0	8.695	0	2264	47	2.3
4572.2	10000	38.4589	95.5494	-499	PS	3.7	1	10.9	1	1.3	1	0.339	1	3.079	1	9.096	1	2282	34	2.3
4572.3	10000	38.4589	95.5487	-502	PS	3.8	1	11.3	1	1.3	1	0.338	1	3.111	1	9.209	1	2281	56	2.3
4572.4	10000	38.4589	95.5479	-506	PS	3.9	1	11.5	2	1.3	1	0.343	1	2.999	1	8.731	0	2308	58	2.3
4572.5	10000	38.4589	95.5472	-509	PS	3.5	1	11.3	2	1.3	1	0.310	0	2.781	0	8.978	1	2303	53	2.3
4572.6	10000	38.4589	95.5464	-511	PS	3.7	1	11.2	2	1.3	1	0.341	0	2.877	0	8.440	0	2293	52	2.3
4572.7	10000	38.4588	95.5457	-512	PS	3.5	1	11.4	2	1.3	1	0.307	0	2.638	0	8.591	0	2300	46	2.3
4572.8	10000	38.4588	95.5449	-510	PS	3.5	1	11.3	2	1.3	1	0.305	0	2.476	0	8.121	0	2311	42	2.3
4572.9	10000	38.4588	95.5442	-514	PS	3.4	1	11.3	2	1.3	1	0.279	0	2.245	0	8.051	0	2325	54	2.3
4573.0	10000	38.4588	95.5434	-520	PS	3.5	1	11.4	2	1.3	1	0.289	0	2.307	0	7.990	0	2353	49	2.3
4573.1	10000	38.4588	95.5426	-524	PS	3.5	1	11.4	2	1.3	1	0.325	0	2.561	0	7.870	0	2373	45	2.3
4573.2	10000	38.4589	95.5419	-527	PS	3.4	1	11.4	2	1.3	1	0.348	0	2.595	0	7.448	0	2402	56	2.3
4573.3	10000	38.4589	95.5411	-529	PS	3.4	1	11.4	2	1.3	1	0.321	0	2.450	0	7.817	0	2418	41	2.3
4573.4	10000	38.4589	95.5403	-532	PS	3.4	1	11.4	2	1.3	1	0.345	0	2.616	0	7.625	0	2429	45	2.3
4573.5	10000	38.4590	95.5396	-534	PS	3.5	1	11.4	2	1.3	1	0.355	0	2.694	0	7.328	0	2432	51	2.3
4573.6	10000	38.4590	95.5388	-536	PS	3.5	1	11.4	2	1.3	1	0.375	0	2.845	0	7.309	0	2431	45	2.3
4573.7	10000	38.4590	95.5380	-539	PS	3.5	1	11.4	2	1.3	1	0.368	0	2.791	0	7.201	0	2409	37	2.3
4573.8	10000	38.4590	95.5372	-540	PS	3.5	1	11.4	2	1.3	1	0.324	0	2.459	0	7.308	0	2393	50	2.3
4573.9	10000	38.4591	95.5365	-543	PS	3.5	1	11.4	2	1.3	1	0.311	0	2.359	0	7.348	0	2378	38	2.3
4574.0	10000	38.4591	95.5357	-546	PS	3.5	1	11.4	2	1.3	1	0.342	0	2.599	0	7.339	0	2367	45	2.3
4574.1	10000	38.4591	95.5349	-547	PS	3.5	1	11.4	2	1.3	1	0.335	0	2.544	0	7.597	0	2334	52	2.3
4574.2	10000	38.4592	95.5341	-549	PS	3.5	1	11.4	2	1.3	1	0.332	0	2.523	0	7.888	0	2307	45	2.3
4574.3	10000	38.4592	95.5334	-551	PS	3.5	1	11.4	2	1.3	1	0.326	0	2.476	0	7.598	0	2280	53	2.3
4574.4	10000	38.4593	95.5326	-553	PS	3.5	1	11.4	2	1.3	1	0.336	0	2.555	0	7.688	0	2278	45	2.3
4574.5	10000	38.4593	95.5318	-554	PS	3.5	1	11.4	2	1.3	1	0.344	0	2.614	0	7.754	0	2241	52	2.3
4574.6	10000	38.4593	95.5310	-557	PS	3.5	1	11.4	2	1.3	1	0.336	0	2.553	0	7.693	0	2181	44	2.3
4574.7	10000	38.4593	95.5303	-558	PS	3.5	1	11.4	2	1.3	1	0.357	0	2.712	0	7.836	0	2105	49	2.3
4574.8	10000	38.4593	95.5295	-560	PS	3.5	1	11.4	2	1.3	1	0.377	0	2.860	0	7.886	0	2022	53	2.3

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4574.9	10000	38.4594	95.5287	-562	PS	3.2	0	7.9	-2	1.0	-1	0.404	1	3.147	1	7.799	0	1936	42	2.3
4575.0	10000	38.4594	95.5279	-564	PS	2.9	0	7.3	-2	1.0	-1	0.406	1	3.035	1	7.479	-1	1850	39	2.3
4575.1	10000	38.4594	95.5272	-566	PS	2.8	-1	7.2	-2	0.9	-2	0.393	1	3.137	1	7.977	0	1769	38	2.3
4575.2	10000	38.4595	95.5264	-568	PS	2.9	-1	6.5	-2	0.8	-2	0.439	2	3.464	2	7.892	0	1717	57	2.3
4575.3	10000	38.4595	95.5256	-569	PS	2.6	-1	6.5	-2	0.8	-2	0.398	1	3.147	1	7.903	0	1696	50	2.3
4575.4	10000	38.4595	95.5248	-571	PS	2.9	0	6.7	-2	0.8	-2	0.439	2	3.713	2	8.458	0	1688	49	2.3
4575.5	10000	38.4596	95.5241	-573	PS	3.0	0	6.4	-2	0.8	-2	0.475	2	3.801	2	8.001	0	1689	51	2.3
4575.6	10000	38.4596	95.5233	-576	PS	2.2	0	6.5	-2	0.8	-2	0.488	3	4.071	3	8.343	0	1696	45	2.3
4575.7	10000	38.4596	95.5225	-578	PS	2.3	0	6.7	-2	0.8	-2	0.478	3	4.290	3	8.966	1	1703	27	2.3
4575.8	10000	38.4596	95.5217	-580	PS	2.3	0	6.6	-2	0.8	-2	0.503	3	4.131	3	8.205	0	1722	56	2.3
4575.9	10000	38.4597	95.5210	-582	PS	2.5	0	6.8	-2	0.8	-2	0.476	3	3.885	3	8.160	0	1737	52	2.3
4576.0	10000	38.4597	95.5202	-584	PS	2.5	1	7.0	-2	0.9	-2	0.501	3	4.107	3	8.199	0	1747	55	2.3
4576.1	10000	38.4597	95.5194	-586	PS	2.4	0	6.8	-2	0.9	-2	0.506	3	3.796	2	7.500	-1	1771	49	2.3
4576.2	10000	38.4598	95.5186	-589	PS	2.2	0	7.5	-2	1.0	-1	0.446	2	3.419	1	7.649	-1	1802	35	2.3
4576.3	10000	38.4598	95.5179	-590	PS	2.0	0	7.5	-1	1.1	0	0.405	1	2.962	1	7.305	-1	1849	44	2.3
4576.4	10000	38.4598	95.5171	-593	PS	1.9	0	8.0	-1	1.1	0	0.363	1	2.656	0	7.311	-1	1893	42	2.3
4576.5	10000	38.4598	95.5163	-595	PS	1.7	-1	8.3	-1	1.1	0	0.333	1	2.419	-1	7.263	-1	1909	49	2.3
4576.6	10000	38.4599	95.5155	-597	PS	1.8	-1	8.0	-1	1.1	0	0.333	1	2.444	0	7.330	-1	1932	46	2.3
4576.7	10000	38.4599	95.5148	-600	PS	1.6	-1	8.5	-1	1.1	0	0.307	1	2.324	-1	7.560	-1	1953	50	2.3
4576.8	10000	38.4599	95.5140	-602	PS	1.5	-1	8.8	-1	1.2	0	0.278	-1	2.114	-1	7.597	-1	1975	44	2.3
4576.9	10000	38.4600	95.5132	-604	PS	1.8	-1	7.7	-1	1.2	0	0.317	0	2.380	-1	7.505	-1	2006	48	2.3
4577.0	10000	38.4600	95.5125	-606	PS	1.9	0	8.5	-1	1.2	0	0.342	0	2.491	0	7.289	-1	2032	53	2.3
4577.1	10000	38.4600	95.5117	-608	PS	2.0	0	8.4	-1	1.2	0	0.363	1	2.575	0	7.103	-1	2066	57	2.3
4577.2	10000	38.4601	95.5109	-611	PS	2.2	0	8.5	-1	1.2	0	0.382	1	2.724	0	7.138	-1	2103	42	2.3
4577.3	10000	38.4601	95.5101	-613	PD	2.2	0	8.6	-1	1.2	1	0.349	0	2.473	-1	7.097	-1	2126	50	2.3
4577.4	10000	38.4601	95.5094	-616	PD	2.2	0	8.4	-1	1.2	1	0.381	1	2.689	0	7.062	-1	2148	53	2.3
4577.5	10000	38.4602	95.5086	-618	PD	2.2	0	8.7	-1	1.2	1	0.366	1	2.692	0	7.347	-1	2153	38	2.3
4577.6	10000	38.4602	95.5078	-620	PD	2.2	0	8.8	-1	1.2	1	0.326	1	2.479	-1	7.613	-1	2134	49	2.3
4577.7	10000	38.4602	95.5070	-623	PD	2.2	0	8.8	-1	1.2	1	0.301	1	2.393	-1	7.956	-1	2113	35	2.3
4577.8	10000	38.4602	95.5063	-625	PD	2.2	0	8.8	-1	1.2	1	0.320	1	2.586	-1	8.078	-1	2075	43	2.3
4577.9	10000	38.4603	95.5055	-627	PD	2.2	0	8.8	-1	1.2	1	0.328	1	2.731	0	8.328	-1	2050	51	2.3
4578.0	10000	38.4603	95.5047	-629	PD	2.2	0	8.8	-1	1.2	1	0.365	1	3.007	0	8.247	-1	2022	35	2.3
4578.1	10000	38.4603	95.5039	-632	PD	2.2	0	8.8	-1	1.2	1	0.365	1	2.987	-1	8.189	-1	2009	46	2.3
4578.2	10000	38.4604	95.5032	-635	PD	2.2	0	8.8	-1	1.2	1	0.412	2	3.263	-1	7.917	-1	2033	52	2.3
4578.3	10000	38.4604	95.5024	-637	PD	2.2	0	8.8	-1	1.2	1	0.408	2	3.309	-1	8.111	-1	2067	46	2.3
4578.4	10000	38.4604	95.5016	-640	PD	2.2	0	8.8	-1	1.2	1	0.436	2	3.468	-1	7.997	-1	2115	30	2.3
4578.5	10000	38.4604	95.5009	-642	PD	2.2	0	8.8	-1	1.2	1	0.435	2	3.512	-1	8.077	-1	2169	44	2.3
4578.6	10000	38.4605	95.5001	-643	PD	2.2	0	8.8	-1	1.2	1	0.391	2	3.227	-1	8.252	0	2215	45	2.3
4578.7	10000	38.4605	95.4993	-646	PD	2.2	0	8.8	-1	1.2	1	0.375	2	3.028	-1	8.067	-1	2279	52	2.3
4578.8	10000	38.4605	95.4985	-649	PD	2.2	0	8.8	-1	1.2	1	0.363	2	2.881	-1	7.927	-1	2319	44	2.3
4578.9	10000	38.4606	95.4978	-651	PD	2.2	0	8.8	-1	1.2	1	0.347	2	2.771	-1	7.978	-1	2322	45	2.3
4579.0	10000	38.4606	95.4970	-653	PD	2.2	0	8.8	-1	1.2	1	0.381	2	3.027	-1	7.945	-1	2338	52	2.3
4579.1	10000	38.4606	95.4962	-656	PD	2.2	0	8.8	-1	1.2	1	0.397	2	3.152	-1	7.944	-1	2320	46	2.3
4579.2	10000	38.4607	95.4954	-658	PD	2.2	0	8.8	-1	1.2	1	0.411	2	3.069	-1	7.466	-1	2305	45	2.3
4579.3	10000	38.4607	95.4947	-661	PD	2.2	0	8.8	-1	1.2	1	0.456	2	3.150	-1	6.915	-1	2267	58	2.3
4579.4	10000	38.4607	95.4939	-663	PD	2.2	0	8.8	-1	1.2	1	0.450	2	3.188	-1	7.152	-1	2251	52	2.3
4579.5	10000	38.4608	95.4931	-665	PD	2.2	0	8.8	-1	1.2	1	0.451	2	3.277	-1	7.271	-1	2243	47	2.3
4579.6	10000	38.4608	95.4923	-667	PD	2.2	0	8.8	-1	1.2	1	0.424	2	3.150	-1	7.438	-1	2269	59	2.3
4579.7	10000	38.4608	95.4916	-670	PD	2.2	0	8.8	-1	1.2	1	0.402	2	2.937	-1	7.314	-1	2279	48	2.3
4579.8	10000	38.4608	95.4908	-671	PD	2.2	0	8.8	-1	1.2	1	0.355	2	2.692	-1	7.527	-1	2298	60	2.3
4579.9	10000	38.4609	95.4900	-673	PD	2.2	0	8.8	-1	1.2	1	0.329	2	2.561	-1	7.792	-1	2306	37	2.3
4580.0	10000	38.4609	95.4892	-676	PD	2.2	0	8.8	-1	1.2	1	0.316	2	2.492	-1	7.895	-1	2332	43	2.3

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4580.1	10000	38.4609	95.4885	-678	PD	3.3	0	10.7	1	1.4	2	0.310	0	2.324	-1	7.494	-1	2329	57	2.3
4580.2	10000	38.4610	95.4877	-680	PD	3.2	0	10.8	1	1.4	2	0.300	-1	2.342	-1	7.800	-1	2306	40	2.3
4580.3	10000	38.4610	95.4869	-682	PD	3.2	0	10.3	1	1.3	1	0.308	0	2.409	-1	7.828	-1	2236	59	2.3
4580.4	10000	38.4610	95.4861	-683	PD	2.9	0	9.6	0	1.3	1	0.308	0	2.261	-1	7.336	-1	2176	63	2.3
4580.5	10000	38.4611	95.4854	-686	PD	2.9	-1	9.0	-1	1.2	1	0.326	0	2.383	-1	7.303	-1	2122	58	2.3
4580.6	10000	38.4611	95.4846	-687	PD	3.0	0	8.6	-1	1.2	0	0.346	0	2.542	-1	7.355	-1	2075	35	2.3
4580.7	10000	38.4611	95.4838	-689	PD	3.3	0	8.8	-1	1.1	0	0.372	1	2.861	0	7.702	-1	2055	47	2.3
4580.8	10000	38.4611	95.4830	-690	PD	3.4	1	8.5	-1	1.1	0	0.403	1	3.009	0	7.461	-1	2041	40	2.3
4580.9	10000	38.4612	95.4823	-692	PD	3.5	1	7.9	-1	1.1	0	0.450	2	3.138	0	6.979	-1	2064	43	2.3
4581.0	10000	38.4612	95.4815	-693	PD	3.8	1	8.2	-1	1.2	0	0.463	2	3.301	1	7.135	-1	2092	54	2.3
4581.1	10000	38.4612	95.4807	-694	PD	3.7	1	8.4	-1	1.2	0	0.446	2	3.174	0	7.112	-1	2124	58	2.3
4581.2	10000	38.4613	95.4799	-695	PD	3.7	1	8.6	-1	1.2	1	0.430	2	2.975	0	6.918	-1	2171	52	2.3
4581.3	10000	38.4613	95.4792	-696	PD	3.8	1	9.0	-1	1.3	1	0.422	2	3.012	0	7.140	-1	2223	42	2.3
4581.4	10000	38.4613	95.4784	-697	PD	3.6	1	9.0	-1	1.3	1	0.403	1	2.801	0	6.952	-1	2261	34	2.3
4581.5	10000	38.4614	95.4776	-697	PD	3.6	1	10.2	0	1.3	1	0.351	0	2.741	0	7.819	-1	2284	42	2.3
4581.6	10000	38.4614	95.4769	-698	PD	3.5	1	10.8	1	1.3	1	0.323	0	2.580	-1	7.993	-1	2283	43	2.3
4581.7	10000	38.4614	95.4761	-699	PD	3.5	1	10.7	1	1.3	1	0.321	0	2.602	-1	8.104	-1	2295	49	2.3
4581.8	10000	38.4614	95.4753	-699	PD	3.4	1	10.9	1	1.3	1	0.312	0	2.672	0	8.558	0	2282	49	2.3
4581.9	10000	38.4615	95.4745	-699	PD	3.3	1	10.7	1	1.3	1	0.312	0	2.642	-1	8.478	0	2245	38	2.3
4582.0	10000	38.4615	95.4738	-700	PD	3.5	1	10.3	1	1.3	1	0.345	0	2.764	0	8.021	-1	2201	52	2.3
4582.1	10000	38.4615	95.4730	-700	PD	3.4	1	9.6	0	1.2	1	0.352	0	2.826	0	8.040	-1	2124	47	2.3
4582.2	10000	38.4616	95.4722	-699	PD	3.4	1	8.4	-1	1.1	0	0.405	1	3.019	0	7.463	-1	2054	35	2.3
4582.3	10000	38.4616	95.4714	-698	PD	3.4	0	8.0	-1	1.1	0	0.426	2	3.178	0	7.457	-1	1988	41	2.3
4582.4	10000	38.4616	95.4707	-697	PD	3.2	0	7.6	-2	1.1	0	0.423	2	2.938	0	6.941	-1	1934	50	2.3
4582.5	10000	38.4616	95.4699	-695	PD	3.4	0	7.4	-2	1.0	0	0.459	2	3.275	1	7.136	-1	1902	53	2.3
4582.6	10000	38.4617	95.4691	-693	PD	3.5	1	7.2	-2	1.0	0	0.490	3	3.602	1	7.358	-1	1882	32	2.3
4582.7	10000	38.4617	95.4683	-691	PD	3.2	1	7.2	-2	1.0	0	0.463	2	3.348	1	7.236	-1	1862	35	2.3
4582.8	10000	38.4617	95.4676	-688	PD	3.3	1	6.9	-2	1.0	0	0.463	2	3.297	1	7.126	-1	1857	52	2.3
4582.9	10000	38.4618	95.4668	-685	PD	3.2	1	7.2	-2	1.0	0	0.455	2	3.292	1	7.236	-1	1871	52	2.3
4583.0	10000	38.4618	95.4660	-682	PD	3.3	1	7.4	-2	1.0	0	0.436	2	3.075	1	7.049	-1	1911	51	2.3
4583.1	10000	38.4618	95.4652	-678	PD	3.2	1	7.5	-2	1.0	0	0.431	2	3.194	1	7.414	-1	1978	52	2.3
4583.2	10000	38.4619	95.4645	-674	PD	3.3	1	7.4	-2	1.0	0	0.442	2	3.075	1	6.963	-1	2043	47	2.3
4583.3	10000	38.4619	95.4637	-669	PD	3.5	1	8.2	-1	1.1	0	0.400	2	2.926	1	7.308	-1	2116	50	2.3
4583.4	10000	38.4619	95.4629	-663	PD	3.5	1	8.5	-1	1.1	0	0.388	2	2.950	1	7.602	-1	2211	40	2.3
4583.5	10000	38.4619	95.4621	-658	PD	3.5	1	8.9	-1	1.2	0	0.362	2	2.707	1	7.486	-1	2305	54	2.3
4583.6	10000	38.4620	95.4614	-652	PD	3.5	1	9.0	-1	1.2	0	0.372	2	2.700	1	7.265	-1	2384	40	2.3
4583.7	10000	38.4620	95.4606	-645	PD	3.4	1	9.4	-1	1.3	0	0.398	2	2.784	1	6.997	-1	2426	37	2.3
4583.8	10000	38.4620	95.4598	-639	PD	3.4	1	9.5	-1	1.3	0	0.405	2	2.871	1	7.080	-1	2428	49	2.3
4583.9	10000	38.4621	95.4590	-632	PD	3.4	1	9.5	-1	1.3	0	0.414	2	2.951	1	7.610	-1	2441	55	2.3
4584.0	10000	38.4621	95.4583	-625	PD	3.4	1	9.5	-1	1.3	0	0.429	2	3.182	1	7.424	-1	2456	55	2.3
4584.1	10000	38.4621	95.4575	-619	PD	3.3	1	9.6	-1	1.3	0	0.416	2	3.138	1	7.540	-1	2447	38	2.3
4584.2	10000	38.4622	95.4567	-612	PD	3.4	1	9.8	-1	1.3	0	0.421	2	3.176	1	7.551	-1	2484	45	2.3
4584.3	10000	38.4622	95.4560	-605	PD	3.4	1	9.8	-1	1.3	0	0.404	2	3.039	1	7.283	-1	2525	46	2.3
4584.4	10000	38.4622	95.4552	-599	PS	3.4	1	9.8	-1	1.3	0	0.358	2	2.704	1	7.558	-1	2587	34	2.3
4584.5	10000	38.4623	95.4544	-593	PS	3.4	1	9.8	-1	1.3	0	0.332	2	2.450	1	7.592	-1	2636	48	2.3
4584.6	10000	38.4623	95.4536	-587	PS	3.4	1	9.8	-1	1.3	0	0.333	2	2.313	1	7.413	-1	2670	51	2.3
4584.7	10000	38.4623	95.4529	-581	PS	3.4	1	9.8	-1	1.3	0	0.333	2	2.316	1	7.408	-1	2687	43	2.3
4584.8	10000	38.4623	95.4521	-577	PS	3.4	1	9.8	-1	1.3	0	0.347	2	2.347	1	7.082	-1	2704	45	2.3
4584.9	10000	38.4624	95.4513	-574	PS	3.4	1	9.8	-1	1.3	0	0.347	2	2.578	1	7.361	-1	2676	47	2.3
4585.0	10000	38.4624	95.4505	-571	PS	3.4	1	9.8	-1	1.3	0	0.340	2	2.592	1	7.618	-1	2631	53	2.3
4585.1	10000	38.4624	95.4498	-568	PS	3.4	1	9.8	-1	1.3	0	0.361	2	2.819	1	7.804	-1	2586	45	2.3
4585.2	10000	38.4624	95.4490	-566	PS	3.4	1	9.8	-1	1.3	0	0.387	2	2.924	1	7.552	-1	2546	45	2.3

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4585.3	10000	38.4625	95.4482	-563	PS	4.3	2	11.0	1	1.5	2	0.395	1	2.939	0	7.445	-1	2490	49	2.1
4585.4	10000	38.4625	95.4474	-561	PS	4.2	2	10.8	1	1.5	2	0.391	1	2.887	0	7.379	-1	2429	43	2.1
4585.5	10000	38.4625	95.4467	-559	PS	4.0	2	10.8	1	1.4	1	0.367	1	2.771	0	7.560	-1	2379	52	2.1
4585.6	10000	38.4626	95.4459	-557	PS	3.4	2	10.7	1	1.4	1	0.314	0	2.379	-1	7.587	-1	2334	60	2.1
4585.7	10000	38.4626	95.4451	-555	PS	3.5	1	10.4	1	1.4	1	0.331	0	2.556	0	7.730	0	2274	39	2.1
4585.8	10000	38.4626	95.4444	-553	PS	3.2	0	9.8	0	1.3	1	0.324	0	2.411	-1	7.441	-1	2220	63	2.1
4585.9	10000	38.4627	95.4436	-551	PD	3.2	0	9.8	0	1.2	1	0.323	0	2.577	-1	7.987	-1	2159	51	2.1
4586.0	10000	38.4627	95.4428	-550	PD	2.9	-1	9.8	0	1.2	1	0.296	-1	2.371	-1	8.016	-1	2126	50	2.1
4586.1	10000	38.4627	95.4420	-549	PD	2.8	-1	9.6	0	1.2	1	0.287	-1	2.331	-1	8.135	-1	2089	54	2.1
4586.2	10000	38.4627	95.4413	-547	PD	2.7	-1	9.3	0	1.1	0	0.290	-1	2.394	-1	8.244	0	2049	49	2.1
4586.3	10000	38.4628	95.4405	-546	PD	2.9	-1	9.2	0	1.1	0	0.317	0	2.626	-1	8.295	0	2014	54	2.1
4586.4	10000	38.4628	95.4397	-544	PD	2.8	-1	9.1	0	1.1	0	0.306	0	2.495	-1	8.159	-1	2022	47	2.1
4586.5	10000	38.4628	95.4389	-543	PD	2.8	-1	9.3	0	1.1	0	0.295	-1	2.550	-1	8.656	0	2007	39	2.0
4586.6	10000	38.4629	95.4382	-542	PD	2.5	-1	8.9	-1	1.1	0	0.280	-1	2.247	-1	8.010	-1	2009	48	2.0
4586.7	10000	38.4629	95.4374	-541	PD	2.6	-1	8.8	-1	1.1	0	0.299	-1	2.448	-1	8.191	-1	2007	54	2.0
4586.8	10000	38.4629	95.4366	-540	PD	2.7	-1	8.8	-1	1.1	0	0.306	0	2.440	-1	7.960	-1	2017	44	2.0
4586.9	10000	38.4630	95.4358	-540	PD	2.6	-1	9.3	0	1.1	0	0.278	-1	2.407	-1	8.653	0	2026	50	2.0
4587.0	10000	38.4630	95.4351	-539	PD	2.8	-1	9.4	0	1.1	0	0.301	-1	2.672	0	8.868	0	2046	51	2.0
4587.1	10000	38.4630	95.4343	-539	PD	2.9	-1	9.5	0	1.0	0	0.301	-1	2.795	0	9.285	0	2036	55	2.0
4587.2	10000	38.4630	95.4335	-539	PD	3.1	0	9.7	0	1.0	0	0.323	0	3.038	0	9.421	0	2050	42	2.0
4587.3	10000	38.4631	95.4327	-540	PD	3.3	0	10.3	1	1.0	-1	0.323	0	3.277	1	10.157	1	2070	48	2.0
4587.4	10000	38.4631	95.4320	-540	PD	3.3	0	10.6	1	1.0	-1	0.314	0	3.339	1	10.647	1	2090	44	2.0
4587.5	10000	38.4631	95.4312	-540	PD	3.4	0	10.6	1	1.0	-1	0.315	0	3.527	1	11.189	2	2093	49	2.0
4587.6	10000	38.4631	95.4304	-541	PD	3.8	1	10.5	1	1.0	-1	0.366	1	3.884	2	10.621	1	2106	47	2.0
4587.7	10000	38.4631	95.4297	-542	PD	3.8	1	10.5	1	1.0	-1	0.363	0	3.764	1	10.356	1	2103	51	2.0
4587.8	10000	38.4631	95.4289	-543	PD	3.7	1	10.6	1	1.0	0	0.346	0	3.609	1	10.417	1	2098	51	2.0
4587.9	10000	38.4631	95.4281	-545	PD	3.6	1	10.5	1	1.0	-1	0.346	0	3.706	1	10.699	1	2077	50	2.0
4588.0	10000	38.4631	95.4273	-546	PD	3.7	1	10.1	0	1.0	-1	0.363	1	3.778	1	10.394	1	2040	45	2.0
4588.1	10000	38.4631	95.4266	-548	PD	3.7	1	9.4	0	1.0	-1	0.399	2	3.802	1	9.534	0	2016	48	2.0
4588.2	10000	38.4631	95.4258	-550	PD	3.9	1	9.1	0	1.0	-1	0.425	2	3.857	1	9.087	0	1997	54	2.0
4588.3	10000	38.4631	95.4250	-551	PD	3.7	1	9.1	0	1.0	-1	0.403	1	3.763	1	9.348	0	1975	47	2.0
4588.4	10000	38.4631	95.4243	-552	PD	3.4	1	9.0	0	1.0	-1	0.375	1	3.408	1	9.082	0	1973	51	2.0
4588.5	10000	38.4631	95.4235	-553	PD	3.2	1	9.0	0	1.0	-1	0.351	1	3.247	1	9.244	0	1978	53	2.0
4588.6	10000	38.4631	95.4227	-553	PD	3.2	1	9.0	0	1.0	-1	0.353	1	3.156	1	8.934	0	1999	40	2.0
4588.7	10000	38.4631	95.4220	-553	PD	3.2	1	9.0	0	1.0	-1	0.338	1	2.958	1	8.761	0	2015	51	2.0
4588.8	10000	38.4631	95.4212	-553	PD	2.8	1	8.8	0	1.0	-1	0.296	1	2.610	1	8.823	0	2039	43	2.0
4588.9	10000	38.4630	95.4204	-553	PD	2.6	1	8.8	0	1.0	-1	0.262	1	2.317	1	8.856	0	2084	36	2.0
4589.0	10000	38.4630	95.4196	-552	PD	2.6	1	8.8	0	1.0	-1	0.266	1	2.124	1	8.975	0	2123	50	2.0
4589.1	10000	38.4630	95.4189	-551	PD	2.6	1	8.8	0	1.0	-1	0.318	1	2.486	1	8.825	0	2146	34	2.0
4589.2	10000	38.4630	95.4181	-550	PD	2.6	1	8.8	0	1.0	-1	0.356	1	2.760	1	8.755	0	2182	44	2.0
4589.3	10000	38.4630	95.4173	-549	PD	2.6	1	8.8	0	1.0	-1	0.351	1	2.568	1	8.314	0	2210	43	2.0
4589.4	10000	38.4630	95.4166	-547	PD	2.6	1	8.8	0	1.0	-1	0.354	1	2.713	1	7.656	0	2251	61	2.0
4589.5	10000	38.4630	95.4158	-546	PD	2.6	1	8.8	0	1.0	-1	0.330	1	2.765	1	7.391	0	2259	51	2.0
4589.6	10000	38.4630	95.4150	-544	PD	2.6	1	8.8	0	1.0	-1	0.316	1	2.697	1	7.546	0	2288	43	2.0
4589.7	10000	38.4630	95.4143	-543	PD	2.7	1	8.8	0	1.0	-1	0.305	1	2.755	1	7.023	0	2298	45	2.0
4589.8	10000	38.4630	95.4135	-541	PD	2.5	1	8.8	0	1.0	-1	0.288	1	2.574	1	7.948	0	2308	39	2.0
4589.9	10000	38.4630	95.4127	-540	PD	2.5	1	8.8	0	1.0	-1	0.262	1	2.304	1	7.790	0	2303	39	2.0
4590.0	10000	38.4630	95.4120	-539	PD	2.5	1	8.8	0	1.0	-1	0.258	1	2.249	1	7.943	0	2299	39	2.0
4590.1	10000	38.4630	95.4112	-538	PD	2.5	1	8.8	0	1.0	-1	0.258	1	2.212	1	7.584	0	2289	39	2.0
4590.2	10000	38.4630	95.4104	-536	PD	2.5	1	8.8	0	1.0	-1	0.258	1	2.379	1	7.156	0	2293	39	2.0
4590.3	10000	38.4630	95.4096	-535	PD	2.5	1	8.8	0	1.0	-1	0.258	1	2.591	1	7.406	0	2270	39	2.0
4590.4	10000	38.4630	95.4089	-534	PD	2.5	1	8.8	0	1.0	-1	0.258	1	2.594	1	7.442	0	2255	39	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4590.5	10000	38.4630	95.4081	-533	PD	3.2	0	10.9	1	1.2	1	0.295	-1	2.581	-1	8.757	0	2237	44	1.9
4590.6	10000	38.4630	95.4073	-532	PD	3.2	0	11.7	2	1.3	1	0.273	-1	2.539	-1	9.312	0	2227	49	1.9
4590.7	10000	38.4630	95.4066	-531	PD	3.4	0	11.6	2	1.2	1	0.293	-1	2.831	0	9.669	1	2216	37	1.9
4590.8	10000	38.4630	95.4058	-531	PD	3.3	0	11.3	1	1.2	1	0.291	-1	2.751	0	9.463	0	2203	33	1.9
4590.9	10000	38.4630	95.4050	-530	PD	3.0	0	10.9	1	1.1	0	0.277	-1	2.631	-1	9.501	0	2183	65	1.9
4591.0	10000	38.4630	95.4043	-529	PD	3.0	0	10.6	1	1.2	1	0.281	-1	2.465	-1	8.768	0	2178	31	1.9
4591.1	10000	38.4630	95.4035	-527	PD	2.8	-1	10.5	1	1.2	1	0.263	-1	2.250	-1	8.556	0	2168	58	2.0
4591.2	10000	38.4630	95.4027	-526	PD	2.7	-1	10.4	1	1.2	1	0.259	-1	2.203	-1	8.496	0	2156	55	2.0
4591.3	10000	38.4630	95.4019	-525	PD	3.0	0	10.0	0	1.2	1	0.299	-1	2.454	-1	8.216	-1	2159	60	2.0
4591.4	10000	38.4630	95.4012	-523	PD	2.5	-1	10.5	1	1.2	1	0.236	-2	2.048	-2	8.678	0	2159	60	2.0
4591.5	10000	38.4630	95.4004	-522	PD	2.6	-1	10.5	1	1.2	1	0.249	-2	2.172	-1	8.708	0	2163	55	2.0
4591.6	10000	38.4630	95.3996	-521	PD	2.6	-1	10.9	1	1.3	1	0.241	-2	2.074	-1	8.606	0	2192	50	2.0
4591.7	10000	38.4630	95.3989	-520	PD	2.8	-1	10.9	1	1.2	1	0.259	-1	2.369	-1	9.153	0	2188	40	2.0
4591.8	10000	38.4630	95.3981	-518	PD	3.1	0	10.7	1	1.2	1	0.294	-1	2.676	0	9.115	0	2200	49	2.0
4591.9	10000	38.4629	95.3973	-517	PD	3.3	0	10.7	1	1.2	1	0.312	0	2.845	0	9.115	0	2205	36	2.0
4592.0	10000	38.4629	95.3966	-516	PD	3.2	0	10.3	1	1.2	1	0.314	0	2.726	0	8.688	0	2179	36	2.0
4592.1	10000	38.4629	95.3958	-515	PD	3.5	0	9.5	1	1.2	1	0.365	0	2.774	0	7.598	-1	2175	51	2.0
4592.2	10000	38.4629	95.3950	-512	PD	3.3	0	9.9	1	1.2	1	0.333	0	2.706	0	8.127	-1	2176	42	2.0
4592.3	10000	38.4629	95.3943	-510	PD	3.6	0	9.4	1	1.2	1	0.381	0	2.950	0	7.738	-1	2156	49	2.0
4592.4	10000	38.4629	95.3935	-511	PD	3.4	0	9.3	1	1.2	1	0.367	0	2.837	0	7.730	-1	2142	47	2.0
4592.5	10000	38.4629	95.3927	-513	PD	3.3	0	9.5	1	1.2	1	0.347	0	2.746	0	7.903	-1	2118	46	2.0
4592.6	10000	38.4629	95.3919	-515	PD	2.9	-1	9.7	1	1.2	1	0.300	-1	2.397	-1	7.981	-1	2114	41	2.0
4592.7	10000	38.4629	95.3912	-516	PD	3.1	0	9.9	1	1.2	1	0.319	0	2.627	-1	8.233	-1	2124	48	2.0
4592.8	10000	38.4629	95.3904	-517	PD	3.3	0	9.9	1	1.1	0	0.332	0	2.917	0	8.793	0	2121	56	2.0
4592.9	10000	38.4629	95.3896	-518	PD	3.5	0	9.6	1	1.1	0	0.363	0	3.046	0	8.400	0	2118	47	2.0
4593.0	10000	38.4629	95.3889	-519	PD	3.3	0	9.6	1	1.1	0	0.345	0	2.972	0	8.619	0	2113	55	2.0
4593.1	10000	38.4629	95.3881	-521	PD	3.4	0	9.7	1	1.1	0	0.347	0	2.968	0	8.562	0	2113	48	2.0
4593.2	10000	38.4629	95.3873	-522	PD	3.5	0	9.8	1	1.1	0	0.361	1	3.164	0	8.762	0	2115	46	2.0
4593.3	10000	38.4629	95.3866	-524	PD	3.7	1	9.8	1	1.1	0	0.375	1	3.410	1	9.104	0	2111	35	2.0
4593.4	10000	38.4629	95.3858	-525	PD	3.7	1	9.8	1	1.1	0	0.369	1	3.322	1	9.009	0	2115	45	2.0
4593.5	10000	38.4629	95.3850	-527	PD	3.4	0	9.8	1	1.1	0	0.351	1	3.138	1	8.949	0	2112	46	2.0
4593.6	10000	38.4629	95.3842	-529	PD	3.2	0	9.8	1	1.1	0	0.334	0	3.004	1	8.990	0	2112	47	2.0
4593.7	10000	38.4629	95.3835	-531	PD	3.1	0	9.8	1	1.1	0	0.323	0	2.849	1	8.825	0	2109	39	2.0
4593.8	10000	38.4629	95.3827	-533	PD	3.2	0	9.8	1	1.1	0	0.326	0	2.763	1	8.476	0	2109	58	2.0
4593.9	10000	38.4629	95.3819	-535	PD	3.2	0	9.8	1	1.1	0	0.329	0	2.835	1	8.624	0	2117	60	2.0
4594.0	10000	38.4629	95.3812	-538	PD	3.3	0	9.8	1	1.1	0	0.363	1	2.995	1	8.253	0	2120	48	2.0
4594.1	10000	38.4629	95.3804	-539	PD	3.3	0	9.8	1	1.1	0	0.361	1	2.995	1	8.287	0	2107	44	2.0
4594.2	10000	38.4629	95.3796	-541	PD	3.4	0	9.8	1	1.1	0	0.370	1	3.023	1	8.173	0	2101	42	2.0
4594.3	10000	38.4629	95.3789	-542	PD	3.4	0	9.8	1	1.1	0	0.357	1	2.966	1	8.313	0	2088	47	2.0
4594.4	10000	38.4629	95.3781	-543	PD	3.4	0	9.8	1	1.1	0	0.378	1	3.204	1	8.477	0	2068	54	2.0
4594.5	10000	38.4629	95.3773	-544	PD	3.4	0	9.8	1	1.1	0	0.375	1	3.232	1	8.621	0	2051	37	2.0
4594.6	10000	38.4628	95.3766	-545	PD	3.4	0	9.8	1	1.1	0	0.375	1	3.091	1	8.238	0	2023	45	2.0
4594.7	10000	38.4629	95.3758	-546	PD	3.4	0	9.8	1	1.1	0	0.354	1	3.041	1	8.593	0	2001	49	2.0
4594.8	10000	38.4628	95.3750	-547	PD	3.4	0	9.8	1	1.1	0	0.321	0	2.737	1	8.518	0	1986	52	2.0
4594.9	10000	38.4628	95.3742	-548	PD	3.4	0	9.8	1	1.1	0	0.307	0	2.710	1	8.833	0	1963	47	2.0
4595.0	10000	38.4628	95.3735	-548	PD	3.4	0	9.8	1	1.1	0	0.289	0	2.504	1	8.652	0	1963	60	2.0
4595.1	10000	38.4628	95.3727	-549	PD	3.4	0	9.8	1	1.1	0	0.280	0	2.405	1	8.590	0	1953	46	2.0
4595.2	10000	38.4628	95.3719	-549	PD	3.4	0	9.8	1	1.1	0	0.302	0	2.668	1	8.845	0	1948	55	2.0
4595.3	10000	38.4628	95.3712	-549	PD	3.4	0	9.8	1	1.1	0	0.290	0	2.573	1	8.567	0	1941	45	2.0
4595.4	10000	38.4628	95.3704	-551	PD	3.4	0	9.8	1	1.1	0	0.299	0	2.774	1	8.285	0	1941	41	2.0
4595.5	10000	38.4628	95.3696	-551	PD	3.4	0	9.8	1	1.1	0	0.305	0	2.848	1	8.341	0	1944	52	2.0
4595.6	10000	38.4628	95.3689	-551	PD	3.4	0	9.8	1	1.1	0	0.348	0	3.256	1	9.342	0	1950	49	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4595.7	10000	38.4628	95.3681	-552	PD	3.5	1	8.6	-1	0.9	-1	0.404	1	3.815	1	9.448	0	1967	41	2.0
4595.8	10000	38.4628	95.3673	-554	PD	3.2	0	8.9	-1	0.9	-1	0.363	1	3.413	1	9.403	0	1991	49	2.0
4595.9	10000	38.4628	95.3665	-555	PD	3.0	0	9.4	0	1.0	-1	0.325	0	3.045	0	9.368	0	2017	47	2.0
4596.0	10000	38.4628	95.3658	-556	PD	3.1	0	9.5	0	1.0	0	0.327	0	3.054	0	9.350	0	2040	47	2.0
4596.1	10000	38.4628	95.3650	-557	PD	3.0	0	9.8	0	1.0	-1	0.304	-1	2.963	0	9.735	1	2068	32	2.0
4596.2	10000	38.4628	95.3642	-559	PD	3.2	0	10.0	0	1.0	-1	0.314	0	3.121	0	9.930	1	2102	56	2.0
4596.3	10000	38.4628	95.3635	-560	PD	3.0	0	10.4	1	1.1	0	0.288	-1	2.820	0	9.777	1	2125	35	2.0
4596.4	10000	38.4628	95.3627	-563	PD	2.9	-1	10.4	1	1.1	0	0.273	-1	2.593	-1	9.495	0	2143	36	2.0
4596.5	10000	38.4628	95.3619	-565	PD	3.0	0	10.6	1	1.1	0	0.279	-1	2.805	0	10.037	1	2147	46	2.0
4596.6	10000	38.4628	95.3612	-568	PD	3.1	0	10.6	1	1.1	0	0.298	-1	2.964	0	9.950	1	2150	43	2.0
4596.7	10000	38.4628	95.3604	-571	PD	3.1	0	10.5	1	1.1	0	0.297	-1	2.726	0	9.190	0	2179	50	2.0
4596.8	10000	38.4628	95.3596	-573	PD	3.2	0	10.8	1	1.1	0	0.297	-1	2.805	0	9.460	0	2186	38	2.0
4596.9	10000	38.4628	95.3589	-574	PD	3.3	0	10.6	1	1.2	0	0.308	0	2.843	0	9.230	0	2194	48	2.0
4597.0	10000	38.4628	95.3581	-576	PD	3.3	0	10.5	1	1.2	0	0.314	0	2.798	0	8.905	0	2215	39	2.0
4597.1	10000	38.4628	95.3573	-578	PD	3.5	1	10.8	1	1.2	1	0.321	0	2.850	0	8.877	0	2208	49	2.0
4597.2	10000	38.4628	95.3565	-580	PD	3.6	1	11.0	1	1.2	1	0.323	0	2.975	0	9.198	0	2212	46	2.0
4597.3	10000	38.4627	95.3558	-581	PD	3.3	0	11.1	1	1.2	0	0.302	-1	2.829	0	9.370	0	2220	48	2.0
4597.4	10000	38.4627	95.3550	-582	PD	3.1	0	11.3	1	1.2	1	0.275	-1	2.635	-1	9.579	0	2212	37	2.0
4597.5	10000	38.4627	95.3542	-583	PD	3.1	0	11.2	1	1.2	1	0.277	-1	2.548	-1	9.182	0	2207	47	2.0
4597.6	10000	38.4627	95.3535	-585	PD	3.0	0	11.4	2	1.2	1	0.266	-1	2.447	-1	9.189	0	2189	39	2.0
4597.7	10000	38.4627	95.3527	-585	PD	3.1	0	11.4	2	1.2	1	0.270	-1	2.613	-1	9.668	1	2158	45	2.0
4597.8	10000	38.4627	95.3519	-586	PD	2.8	-1	11.4	1	1.1	0	0.250	-2	2.555	-1	10.219	1	2122	34	2.0
4597.9	10000	38.4627	95.3512	-586	PD	2.8	-1	10.6	1	1.1	0	0.261	-1	2.451	-1	9.373	0	2066	51	2.0
4598.0	10000	38.4627	95.3504	-586	PD	2.8	-1	10.4	1	1.1	0	0.271	-1	2.577	-1	9.524	0	2011	47	2.0
4598.1	10000	38.4627	95.3496	-585	PD	3.2	0	9.7	0	1.0	-1	0.331	0	3.331	1	10.064	1	1942	42	2.0
4598.2	10000	38.4627	95.3488	-586	PD	3.3	0	9.1	0	1.0	-1	0.363	1	3.758	1	10.363	1	1882	38	2.0
4598.3	10000	38.4627	95.3481	-587	PD	3.4	0	8.9	0	1.0	-1	0.392	1	3.204	1	10.721	1	1834	48	2.0
4598.4	10000	38.4627	95.3473	-587	PD	3.5	1	8.8	0	1.0	-1	0.424	1	3.568	1	10.782	1	1794	44	2.0
4598.5	10000	38.4627	95.3465	-587	PD	3.6	1	8.8	0	1.0	-1	0.506	1	3.145	1	10.173	1	1781	41	2.0
4598.6	10000	38.4627	95.3458	-586	PD	3.6	1	8.8	0	1.0	-1	0.505	1	3.079	1	11.942	2	1788	46	2.0
4598.7	10000	38.4627	95.3450	-586	PD	3.6	1	8.8	0	1.0	-1	0.429	1	3.994	1	11.876	2	1799	41	2.0
4598.8	10000	38.4627	95.3442	-585	PD	3.6	1	8.8	0	1.0	-1	0.392	1	3.030	1	11.722	2	1833	36	2.0
4598.9	10000	38.4627	95.3435	-584	PD	3.6	1	8.8	0	1.0	-1	0.380	1	3.305	1	11.988	2	1875	55	2.0
4599.0	10000	38.4627	95.3427	-583	PD	3.6	1	8.8	0	1.0	-1	0.375	1	3.029	1	11.608	2	1910	41	2.0
4599.1	10000	38.4627	95.3419	-581	PD	3.6	1	8.8	0	1.0	-1	0.331	0	3.934	1	11.483	2	1933	35	2.0
4599.2	10000	38.4627	95.3412	-580	PD	3.6	1	8.8	0	1.0	-1	0.334	0	3.609	1	11.886	2	1949	45	2.0
4599.3	10000	38.4627	95.3404	-579	PD	3.6	1	8.8	0	1.0	-1	0.336	0	3.305	1	11.907	2	1954	44	2.0
4599.4	10000	38.4627	95.3396	-578	PD	3.6	1	8.8	0	1.0	-1	0.336	0	3.510	1	11.069	2	1954	42	2.0
4599.5	10000	38.4627	95.3388	-577	PD	3.6	1	8.8	0	1.0	-1	0.336	0	3.563	1	11.855	2	1914	45	2.0
4599.6	10000	38.4627	95.3381	-576	PD	3.6	1	8.8	0	1.0	-1	0.336	0	3.794	1	11.400	2	1858	45	2.0
4599.7	10000	38.4627	95.3373	-575	PD	3.6	1	8.8	0	1.0	-1	0.336	0	3.574	1	11.814	2	1805	44	2.0
4599.8	10000	38.4627	95.3365	-574	PD	3.6	1	8.8	0	1.0	-1	0.336	0	3.358	1	11.571	2	1769	43	2.0
4599.9	10000	38.4627	95.3358	-572	PD	3.6	1	8.8	0	1.0	-1	0.336	0	3.420	1	11.260	2	1750	42	2.0
4600.0	10000	38.4627	95.3350	-571	PD	3.6	1	8.8	0	1.0	-1	0.336	0	3.431	1	11.526	2	1748	45	2.0
4600.1	10000	38.4626	95.3342	-570	PD	3.6	1	8.8	0	1.0	-1	0.336	0	3.431	1	11.526	2	1747	45	2.0
4600.2	10000	38.4626	95.3335	-569	PD	3.6	1	8.8	0	1.0	-1	0.336	0	3.431	1	11.526	2	1748	44	2.0
4600.3	10000	38.4626	95.3327	-569	PD	3.6	1	8.8	0	1.0	-1	0.336	0	3.431	1	11.526	2	1744	44	2.0
4600.4	10000	38.4626	95.3319	-568	PD	3.6	1	8.8	0	1.0	-1	0.336	0	3.431	1	11.526	2	1744	44	2.0
4600.5	10000	38.4626	95.3311	-568	PD	3.6	1	8.8	0	1.0	-1	0.336	0	3.431	1	11.526	2	1744	44	2.0
4600.6	10000	38.4626	95.3304	-567	PD	3.6	1	8.8	0	1.0	-1	0.336	0	3.431	1	11.526	2	1744	44	2.0
4600.7	10000	38.4626	95.3296	-567	PD	3.6	1	8.8	0	1.0	-1	0.336	0	3.431	1	11.526	2	1744	44	2.0
4600.8	10000	38.4626	95.3288	-568	PD	3.6	1	8.8	0	1.0	-1	0.336	0	3.431	1	11.526	2	1744	44	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4600.9	10000	38.4626	95.3281	-568	PD	3.3	0	10.0	0	1.0	-1	0.331	0	3.441	1	10.388	1	2050	38	2.0
4601.0	10000	38.4626	95.3273	-568	PD	3.4	0	10.4	1	0.9	-1	0.328	0	3.833	1	11.682	2	2021	50	2.0
4601.1	10000	38.4626	95.3265	-567	PD	3.3	0	10.2	0	0.9	-1	0.323	0	3.828	1	11.856	2	1974	54	2.0
4601.2	10000	38.4626	95.3258	-568	PD	3.5	1	9.8	0	0.8	-2	0.357	0	4.573	3	12.810	3	1924	48	2.0
4601.3	10000	38.4626	95.3250	-568	PD	3.5	1	10.0	0	0.7	-2	0.349	0	4.767	3	13.646	3	1899	47	2.0
4601.4	10000	38.4626	95.3242	-568	PD	3.3	1	10.0	0	0.7	-3	0.329	0	4.954	3	15.065	4	1867	49	2.0
4601.5	10000	38.4626	95.3235	-568	PD	3.3	1	9.8	0	0.7	-2	0.340	0	4.813	3	14.153	4	1876	52	2.0
4601.6	10000	38.4626	95.3227	-569	PD	3.4	1	9.1	0	0.7	-2	0.375	1	4.816	3	12.836	3	1894	50	2.0
4601.7	10000	38.4626	95.3219	-569	PD	3.5	1	8.9	-1	0.7	-2	0.387	1	4.658	3	12.035	2	1909	41	2.0
4601.8	10000	38.4626	95.3211	-569	PD	3.4	1	9.3	0	0.7	-2	0.369	1	4.789	3	12.986	3	1946	55	2.0
4601.9	10000	38.4626	95.3204	-570	PD	3.5	1	9.4	0	0.8	-2	0.375	1	4.300	2	11.453	2	1984	45	2.0
4602.0	10000	38.4626	95.3196	-570	PD	3.7	1	8.8	-1	0.9	-1	0.418	2	4.139	2	9.905	1	1995	50	2.0
4602.1	10000	38.4626	95.3188	-571	PD	3.7	1	9.3	0	0.9	-1	0.396	1	3.903	2	9.862	1	2026	44	2.0
4602.2	10000	38.4626	95.3181	-571	PD	3.8	1	9.6	0	0.9	-1	0.394	1	3.987	2	10.131	1	2053	43	2.1
4602.3	10000	38.4626	95.3173	-571	PD	3.8	1	9.8	0	0.9	-1	0.383	1	4.103	2	10.709	1	2027	49	2.1
4602.4	10000	38.4626	95.3165	-572	PD	3.7	1	9.6	0	0.9	-1	0.383	1	4.055	2	10.582	1	2008	50	2.1
4602.5	10000	38.4626	95.3158	-573	PD	3.5	1	9.3	0	0.9	-1	0.373	1	3.790	1	10.174	1	1955	50	2.1
4602.6	10000	38.4626	95.3150	-573	PD	3.1	0	9.6	0	0.8	-1	0.323	0	3.651	1	11.308	2	1906	46	2.1
4602.7	10000	38.4626	95.3143	-573	PD	2.9	-1	9.5	0	0.7	-2	0.303	-1	3.702	1	12.225	2	1844	59	2.1
4602.8	10000	38.4626	95.3135	-573	PD	2.5	-1	8.8	-1	0.7	-2	0.295	-1	3.347	1	11.359	2	1786	36	2.1
4602.9	10000	38.4627	95.3127	-573	PD	2.4	-1	8.8	-1	0.8	-2	0.298	-1	3.119	0	10.468	1	1744	49	2.1
4603.0	10000	38.4627	95.3120	-573	PD	2.6	-1	8.8	-1	0.8	-2	0.312	0	3.225	0	10.347	1	1731	44	2.1
4603.1	10000	38.4627	95.3112	-574	PD	2.5	-1	8.8	-1	0.8	-2	0.309	0	3.052	0	9.889	1	1727	40	2.1
4603.2	10000	38.4627	95.3104	-574	PD	2.4	-1	8.8	-1	0.8	-2	0.294	-1	2.960	0	10.073	1	1734	44	2.1
4603.3	10000	38.4627	95.3097	-575	PD	2.6	-1	8.8	-1	0.8	-2	0.314	0	3.101	0	9.866	1	1757	47	2.1
4603.4	10000	38.4627	95.3089	-574	PD	2.6	-1	8.8	-1	0.8	-1	0.317	0	3.118	0	9.827	1	1799	43	2.1
4603.5	10000	38.4627	95.3081	-574	PD	3.0	-1	8.8	-1	0.9	-1	0.350	1	3.413	1	9.753	1	1848	48	2.1
4603.6	10000	38.4627	95.3074	-574	PD	2.9	-1	8.8	-1	0.9	-1	0.327	0	3.265	1	9.979	1	1877	46	2.1
4603.7	10000	38.4627	95.3066	-573	PD	3.0	0	8.8	-1	0.9	-1	0.340	0	3.192	0	9.399	0	1921	46	2.1
4603.8	10000	38.4627	95.3058	-572	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.479	0	1940	48	2.1
4603.9	10000	38.4627	95.3051	-572	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.228	0	1973	56	2.2
4604.0	10000	38.4627	95.3043	-571	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.077	0	1990	47	2.2
4604.1	10000	38.4627	95.3035	-569	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.533	0	1991	45	2.2
4604.2	10000	38.4628	95.3028	-568	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.611	0	1990	55	2.2
4604.3	10000	38.4628	95.3020	-566	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.834	0	2009	54	2.2
4604.4	10000	38.4628	95.3012	-565	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.241	0	2013	87	2.2
4604.5	10000	38.4628	95.3005	-564	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.432	0	2038	70	2.2
4604.6	10000	38.4628	95.2997	-563	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.588	0	2070	92	2.2
4604.7	10000	38.4628	95.2989	-561	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.156	0	2115	95	2.2
4604.8	10000	38.4628	95.2982	-560	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.663	0	2166	51	2.2
4604.9	10000	38.4628	95.2974	-558	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.357	0	2215	08	2.2
4605.0	10000	38.4628	95.2966	-557	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.211	0	2268	02	2.2
4605.1	10000	38.4628	95.2959	-556	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.094	0	2320	62	2.2
4605.2	10000	38.4628	95.2951	-554	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.045	0	2337	83	2.2
4605.3	10000	38.4628	95.2943	-552	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.045	0	2339	94	2.2
4605.4	10000	38.4628	95.2936	-551	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.045	0	2335	05	2.2
4605.5	10000	38.4628	95.2928	-549	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.045	0	2330	74	2.2
4605.6	10000	38.4628	95.2921	-548	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.045	0	2327	44	2.2
4605.7	10000	38.4629	95.2913	-546	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.045	0	2324	49	2.2
4605.8	10000	38.4629	95.2905	-544	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.045	0	2324	49	2.2
4605.9	10000	38.4629	95.2897	-542	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.045	0	2324	49	2.2
4606.0	10000	38.4629	95.2890	-540	PD	3.2	0	8.8	-1	0.9	-1	0.363	0	3.332	0	9.045	0	2324	49	2.2

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4606.1	10000	38.4629	95.2882	-538	PD	3.5	1	9.8	0	1.2	1	0.356	0	2.901	0	8.155	-1	2197	55	2.2
4606.2	10000	38.4629	95.2875	-535	PD	3.7	1	9.9	0	1.2	1	0.373	0	3.193	0	8.571	0	2177	45	2.2
4606.3	10000	38.4629	95.2867	-532	PD	3.5	1	9.8	0	1.2	1	0.353	0	2.909	0	8.233	-1	2175	49	2.2
4606.4	10000	38.4629	95.2859	-529	PD	3.7	1	9.9	0	1.2	1	0.370	1	3.155	0	8.526	0	2211	38	2.2
4606.5	10000	38.4629	95.2852	-526	PD	3.8	1	10.2	0	1.1	1	0.375	1	3.515	1	9.379	0	2256	47	2.3
4606.6	10000	38.4629	95.2844	-524	PD	3.8	1	10.2	0	1.1	1	0.368	1	3.500	1	9.512	0	2260	54	2.3
4606.7	10000	38.4629	95.2836	-521	PD	3.9	1	10.0	0	1.1	1	0.385	1	3.466	1	9.001	0	2307	44	2.3
4606.8	10000	38.4629	95.2829	-517	PD	3.8	1	10.3	0	1.1	1	0.374	1	3.430	1	9.182	0	2310	56	2.3
4606.9	10000	38.4629	95.2821	-512	PD	3.5	1	10.1	0	1.1	1	0.349	0	3.269	1	9.359	0	2276	57	2.3
4607.0	10000	38.4630	95.2813	-509	PD	3.9	1	9.9	0	1.1	1	0.390	1	3.663	1	9.394	0	2207	54	2.3
4607.1	10000	38.4630	95.2806	-505	PD	3.6	1	9.3	-1	1.0	1	0.381	1	3.626	1	9.523	0	2097	32	2.3
4607.2	10000	38.4630	95.2798	-502	PD	3.4	1	8.5	-1	0.9	1	0.397	1	3.707	1	9.336	0	1987	52	2.3
4607.3	10000	38.4630	95.2790	-500	PD	3.2	1	8.0	-1	0.9	1	0.398	1	3.581	1	8.989	0	1932	36	2.3
4607.4	10000	38.4630	95.2783	-497	PD	2.9	1	7.9	-1	0.9	1	0.363	1	3.071	0	8.469	0	1889	46	2.3
4607.5	10000	38.4630	95.2775	-495	PD	2.6	1	8.2	-1	1.0	1	0.322	1	2.740	0	8.497	0	1915	44	2.3
4607.6	10000	38.4630	95.2767	-493	PD	2.8	1	8.5	-1	1.0	1	0.332	1	2.753	0	8.282	0	1952	43	2.3
4607.7	10000	38.4630	95.2760	-490	PD	2.7	1	9.1	-1	1.1	1	0.295	-1	2.513	-1	8.521	0	2018	53	2.2
4607.8	10000	38.4630	95.2752	-487	PD	2.6	1	9.4	-1	1.2	1	0.272	-1	2.168	-1	7.957	-1	2133	40	2.2
4607.9	10000	38.4630	95.2744	-486	PD	2.5	1	10.4	-1	1.3	1	0.245	-2	1.954	-2	7.976	-1	2244	43	2.2
4608.0	10000	38.4630	95.2737	-483	PD	2.7	1	11.0	-1	1.4	2	0.247	-2	1.952	-2	7.914	-1	2330	54	2.2
4608.1	10000	38.4630	95.2729	-481	PD	3.1	1	11.1	0	1.4	2	0.281	-1	2.184	-1	7.774	-1	2383	45	2.2
4608.2	10000	38.4630	95.2721	-480	PD	3.6	1	11.1	1	1.4	2	0.329	-1	2.532	-1	7.698	-1	2396	58	2.2
4608.3	10000	38.4631	95.2714	-478	PD	3.5	1	11.1	1	1.4	2	0.318	-1	2.458	-1	7.742	-1	2410	45	2.2
4608.4	10000	38.4631	95.2706	-476	PD	3.7	1	10.6	1	1.4	2	0.354	-1	2.576	-1	7.281	-1	2390	56	2.2
4608.5	10000	38.4631	95.2699	-475	PD	4.0	1	10.2	2	1.4	3	0.397	-1	3.009	0	7.588	-1	2359	54	2.2
4608.6	10000	38.4631	95.2691	-474	PD	3.9	1	10.1	2	1.4	3	0.386	-1	2.999	0	7.776	-1	2313	43	2.2
4608.7	10000	38.4631	95.2683	-473	PD	3.9	1	9.9	2	1.4	2	0.396	-1	3.183	0	8.047	-1	2261	46	2.2
4608.8	10000	38.4631	95.2675	-472	PD	3.7	1	9.6	2	1.4	2	0.380	-1	3.170	0	8.341	0	2202	55	2.2
4608.9	10000	38.4631	95.2668	-471	PD	3.4	1	9.6	2	1.4	2	0.355	-1	3.053	0	8.610	0	2148	44	2.2
4609.0	10000	38.4631	95.2660	-470	PD	3.3	1	9.6	2	1.4	2	0.367	-1	3.145	0	8.562	1	2097	56	2.2
4609.1	10000	38.4631	95.2653	-469	PD	3.3	1	9.7	2	1.4	2	0.349	-1	3.410	1	8.759	1	2030	51	2.2
4609.2	10000	38.4631	95.2645	-469	PD	3.3	1	9.8	2	1.4	2	0.334	-1	3.180	1	8.533	1	1964	46	2.2
4609.3	10000	38.4631	95.2637	-471	PD	3.3	1	9.8	2	1.4	2	0.389	-1	3.497	1	8.745	1	1926	37	2.2
4609.4	10000	38.4631	95.2630	-475	PD	3.3	1	9.8	2	1.4	2	0.393	-1	3.437	1	8.035	1	1901	52	2.2
4609.5	10000	38.4631	95.2622	-478	PD	3.3	1	9.8	2	1.4	2	0.405	-1	3.658	1	8.581	1	1881	43	2.2
4609.6	10000	38.4631	95.2614	-479	PL	3.3	1	9.8	2	1.4	2	0.446	-1	3.827	1	8.439	1	1879	40	2.2
4609.7	10000	38.4632	95.2607	-478	PL	3.3	1	9.8	2	1.4	2	0.412	-1	3.480	1	8.779	1	1864	55	2.2
4609.8	10000	38.4632	95.2599	-477	PL	3.3	1	9.8	2	1.4	2	0.388	-1	3.017	1	8.885	1	1898	42	2.2
4609.9	10000	38.4632	95.2591	-477	PL	3.3	1	9.8	2	1.4	2	0.389	-1	3.066	1	8.264	1	1939	49	2.2
4610.0	10000	38.4632	95.2584	-476	PL	3.3	1	9.8	2	1.4	2	0.361	-1	2.983	1	8.374	1	1973	47	2.2
4610.1	10000	38.4632	95.2576	-476	PL	3.3	1	9.8	2	1.4	2	0.355	-1	2.960	1	8.419	1	2007	53	2.2
4610.2	10000	38.4632	95.2568	-476	PL	3.3	1	9.8	2	1.4	2	0.342	-1	2.882	1	8.522	1	2038	43	2.2
4610.3	10000	38.4632	95.2561	-476	PL	3.3	1	9.8	2	1.4	2	0.325	-1	2.726	1	8.590	1	2065	37	2.2
4610.4	10000	38.4632	95.2553	-475	PL	3.3	1	9.8	2	1.4	2	0.355	-1	3.047	1	8.837	1	2124	55	2.2
4610.5	10000	38.4632	95.2545	-475	PL	3.3	1	9.8	2	1.4	2	0.339	-1	2.871	1	8.837	1	2165	51	2.2
4610.6	10000	38.4632	95.2538	-475	PL	3.3	1	9.8	2	1.4	2	0.397	-1	3.115	1	8.837	1	2206	50	2.2
4610.7	10000	38.4632	95.2530	-474	PL	3.3	1	9.8	2	1.4	2	0.397	-1	3.199	1	8.837	1	2211	42	2.2
4610.8	10000	38.4632	95.2522	-473	PL	3.3	1	9.8	2	1.4	2	0.409	-1	3.485	1	8.837	1	2225	50	2.2
4610.9	10000	38.4632	95.2515	-470	PL	3.3	1	9.8	2	1.4	2	0.403	-1	3.491	1	8.837	1	2224	44	2.2
4611.0	10000	38.4632	95.2507	-469	PL	3.3	1	9.8	2	1.4	2	0.399	-1	3.446	1	8.837	1	2205	34	2.2
4611.1	10000	38.4632	95.2499	-471	PL	3.3	1	9.8	2	1.4	2	0.397	-1	3.677	1	8.837	1	2194	49	2.2
4611.2	10000	38.4633	95.2492	-472	PL	3.3	1	9.8	2	1.4	2	0.397	-1	3.677	1	8.837	1	2194	49	2.2

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4611.3	10000	38.4633	95.2484	-471	PD	3.7	1	10.2	1	1.1	0	0.361	1	3.353	1	9.277	0	2183	45	2.1
4611.4	10000	38.4633	95.2477	-470	PD	3.8	1	10.2	0	1.1	0	0.373	1	3.416	1	9.156	0	2193	48	2.1
4611.5	10000	38.4633	95.2469	-471	PD	4.0	2	10.3	1	1.1	0	0.393	1	3.608	1	9.182	0	2208	34	2.1
4611.6	10000	38.4633	95.2461	-472	PD	3.8	1	10.4	1	1.1	0	0.366	1	3.569	1	9.748	1	2192	48	2.1
4611.7	10000	38.4633	95.2453	-470	PD	3.6	1	10.3	1	1.1	0	0.346	1	3.372	1	9.734	1	2177	49	2.1
4611.8	10000	38.4633	95.2446	-468	PD	3.4	1	10.1	0	1.0	0	0.338	1	3.266	1	9.676	1	2162	45	2.1
4611.9	10000	38.4633	95.2438	-467	PD	3.4	1	9.9	0	1.0	-1	0.341	1	3.413	1	10.015	1	2127	40	2.1
4612.0	10000	38.4633	95.2431	-465	PD	3.3	1	10.0	0	0.9	-1	0.335	1	3.643	1	10.876	1	2078	50	2.0
4612.1	10000	38.4633	95.2423	-464	PD	3.4	1	9.6	0	0.9	-1	0.351	1	3.756	1	10.689	1	2035	46	2.0
4612.2	10000	38.4633	95.2415	-464	PD	3.0	1	9.2	0	0.9	-1	0.328	1	3.323	1	10.131	1	1976	51	2.0
4612.3	10000	38.4633	95.2408	-464	PD	3.3	0	8.9	-1	0.9	-1	0.375	1	3.829	1	10.209	1	1945	53	2.0
4612.4	10000	38.4633	95.2400	-463	PD	3.4	1	9.0	-1	0.8	-2	0.373	1	4.099	2	10.992	1	1911	41	2.0
4612.5	10000	38.4633	95.2392	-464	PD	3.4	1	8.6	-1	0.9	-1	0.397	1	3.978	2	10.027	1	1893	56	2.0
4612.6	10000	38.4633	95.2385	-465	PD	3.5	1	8.6	-1	0.9	-1	0.402	1	3.897	2	9.698	1	1901	43	2.0
4612.7	10000	38.4633	95.2377	-464	PD	3.4	1	8.5	-1	0.9	-1	0.398	1	3.872	2	9.734	1	1898	52	2.0
4612.8	10000	38.4634	95.2369	-465	PD	3.3	1	8.6	-1	0.9	-1	0.383	1	3.730	1	9.737	1	1881	39	2.0
4612.9	10000	38.4634	95.2362	-465	PD	3.3	1	8.5	-1	0.9	-1	0.381	1	3.677	1	9.648	0	1901	46	2.0
4613.0	10000	38.4634	95.2354	-466	PD	3.1	1	8.6	-1	0.9	-1	0.362	1	3.495	1	9.661	0	1909	51	2.0
4613.1	10000	38.4634	95.2346	-466	PLP	3.2	1	8.5	-1	0.9	-1	0.376	1	3.550	1	9.453	1	1920	40	2.0
4613.2	10000	38.4634	95.2339	-466	PLP	3.1	1	8.6	-1	0.9	-2	0.358	1	3.486	1	9.732	1	1933	48	2.0
4613.3	10000	38.4634	95.2331	-466	PLP	3.1	1	8.7	-1	0.9	-1	0.356	1	3.448	1	9.679	1	1945	44	2.0
4613.4	10000	38.4634	95.2323	-465	PLP	3.2	1	8.7	-1	0.9	-1	0.373	1	3.513	1	9.410	1	1962	41	2.0
4613.5	10000	38.4634	95.2316	-462	PLP	3.3	1	9.0	-1	1.0	-1	0.372	1	3.394	1	9.132	0	1989	64	2.0
4613.6	10000	38.4634	95.2308	-459	PLP	3.3	1	9.3	-1	1.0	-1	0.366	1	3.256	1	8.899	0	1994	46	2.0
4613.7	10000	38.4634	95.2300	-459	PLP	3.2	1	9.3	-1	1.1	-1	0.346	1	3.053	1	8.814	0	2005	38	2.0
4613.8	10000	38.4634	95.2293	-460	PLP	3.1	1	9.2	-1	1.1	-1	0.333	1	2.760	0	8.301	0	2033	47	2.0
4613.9	10000	38.4634	95.2285	-461	PLP	3.2	1	9.7	-1	1.1	-1	0.329	1	2.774	0	8.432	0	2049	45	2.0
4614.0	10000	38.4634	95.2278	-462	PLP	3.2	1	10.0	0	1.1	0	0.325	1	2.891	0	8.898	0	2056	36	2.0
4614.1	10000	38.4634	95.2270	-463	PD	3.1	1	10.5	1	1.1	0	0.295	-1	2.691	0	9.124	0	2068	57	2.0
4614.2	10000	38.4635	95.2262	-464	PD	2.9	1	10.6	1	1.2	0	0.276	-1	2.522	-1	9.124	0	2084	55	2.0
4614.3	10000	38.4635	95.2254	-465	PD	3.1	2	11.2	1	1.2	1	0.294	-1	2.738	0	9.319	0	2094	54	2.0
4614.4	10000	38.4635	95.2247	-466	PD	3.2	1	11.4	1	1.2	1	0.306	-1	2.826	0	9.236	0	2104	41	2.0
4614.5	10000	38.4635	95.2239	-467	PD	3.3	1	11.6	1	1.2	1	0.326	-1	2.970	0	9.255	0	2104	36	2.0
4614.6	10000	38.4635	95.2231	-468	PD	3.3	1	11.6	1	1.2	1	0.353	-1	2.962	0	9.349	0	2080	45	2.0
4614.7	10000	38.4635	95.2224	-469	PD	3.3	1	11.6	1	1.2	1	0.368	-1	2.962	0	9.665	0	2073	48	2.0
4614.8	10000	38.4635	95.2216	-470	PD	3.3	1	11.6	1	1.2	1	0.420	-1	2.962	0	9.208	0	2057	35	2.0
4614.9	10000	38.4635	95.2209	-472	PD	3.3	1	11.6	1	1.2	1	0.440	-1	2.962	0	9.263	0	2046	42	2.0
4615.0	10000	38.4635	95.2201	-474	PD	3.3	1	11.6	1	1.2	1	0.429	-1	2.962	0	9.395	0	2033	47	2.0
4615.1	10000	38.4635	95.2193	-475	PD	3.3	1	11.6	1	1.2	1	0.399	-1	2.962	0	9.513	0	2018	49	2.0
4615.2	10000	38.4635	95.2186	-476	PD	3.3	1	11.6	1	1.2	1	0.384	-1	2.962	0	9.559	0	2001	49	2.0
4615.3	10000	38.4635	95.2178	-478	PD	3.3	1	11.6	1	1.2	1	0.386	-1	2.962	0	9.658	0	2007	56	2.0
4615.4	10000	38.4635	95.2170	-480	PD	3.3	1	11.6	1	1.2	1	0.355	-1	2.962	0	9.956	0	2008	46	2.0
4615.5	10000	38.4635	95.2163	-482	PD	3.3	1	11.6	1	1.2	1	0.346	-1	2.962	0	9.843	0	1998	50	2.0
4615.6	10000	38.4635	95.2155	-484	PD	3.3	1	11.6	1	1.2	1	0.322	-1	2.962	0	9.117	0	1984	43	2.0
4615.7	10000	38.4636	95.2147	-486	PD	3.3	1	11.6	1	1.2	1	0.317	-1	2.962	0	9.822	0	1969	58	2.0
4615.8	10000	38.4636	95.2140	-488	PD	3.3	1	11.6	1	1.2	1	0.356	-1	2.962	0	9.672	0	1963	43	2.0
4615.9	10000	38.4636	95.2132	-490	PD	3.3	1	11.6	1	1.2	1	0.385	-1	2.962	0	9.586	0	1952	46	2.0
4616.0	10000	38.4636	95.2124	-493	PD	3.3	1	11.6	1	1.2	1	0.361	-1	2.962	0	9.649	0	1939	58	2.0
4616.1	10000	38.4636	95.2117	-495	PD	3.3	1	11.6	1	1.2	1	0.378	-1	2.962	0	9.663	0	1913	43	2.0
4616.2	10000	38.4636	95.2109	-498	PD	3.3	1	11.6	1	1.2	1	0.371	-1	2.962	0	9.720	0	1906	46	2.0
4616.3	10000	38.4636	95.2102	-500	PD	3.3	1	11.6	1	1.2	1	0.398	-1	2.962	0	9.720	0	1896	38	2.0
4616.4	10000	38.4636	95.2094	-502	PD	3.3	1	11.6	1	1.2	1	0.376	-1	2.962	0	9.331	0	1892	40	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4616.5	10000	38.4636	95.2087	-504	PD	3.3	0	8.9	-1	0.9	-1	0.369	1	3.531	1	9.557	0	1878	61	1.9
4616.6	10000	38.4636	95.2079	-507	PD	3.2	0	9.3	0	0.9	-1	0.343	0	3.555	1	10.356	1	1887	46	1.9
4616.7	10000	38.4636	95.2072	-509	PD	3.1	0	9.1	0	0.9	-1	0.339	0	3.534	1	10.441	1	1886	46	1.9
4616.8	10000	38.4636	95.2065	-511	PD	3.1	0	9.3	0	0.9	-1	0.331	0	3.514	1	10.605	1	1890	46	1.9
4616.9	10000	38.4636	95.2057	-513	PD	3.0	0	9.4	0	0.9	-1	0.317	0	3.246	0	10.242	1	1895	43	1.9
4617.0	10000	38.4636	95.2050	-515	PD	3.0	0	9.7	0	0.9	-1	0.308	0	3.197	0	10.396	1	1901	51	1.9
4617.1	10000	38.4636	95.2043	-517	PD	3.0	0	9.4	0	1.0	-1	0.323	0	3.160	0	9.792	1	1890	41	1.9
4617.2	10000	38.4636	95.2035	-518	PD	2.9	-1	9.1	0	1.0	-1	0.314	0	2.995	0	9.531	0	1895	25	1.9
4617.3	10000	38.4636	95.2028	-520	PD	2.8	-1	9.0	-1	1.0	-1	0.312	0	2.862	0	9.174	0	1869	54	1.9
4617.4	10000	38.4636	95.2020	-521	PD	2.9	-1	9.0	-1	1.0	-1	0.322	0	2.929	0	9.082	0	1857	53	1.9
4617.5	10000	38.4636	95.2013	-523	PD	2.9	-1	8.8	-1	1.0	-1	0.333	0	2.981	0	8.964	0	1840	40	1.9
4617.6	10000	38.4636	95.2006	-523	PD	2.8	-1	8.7	-1	1.0	-1	0.319	0	2.880	0	9.034	0	1834	47	1.9
4617.7	10000	38.4636	95.1998	-524	PD	2.5	-1	8.5	-1	1.0	-1	0.299	-1	2.648	-1	8.849	0	1829	51	1.9
4617.8	10000	38.4636	95.1991	-525	PD	2.5	-1	8.9	-1	1.0	-1	0.284	-1	2.576	-1	9.083	0	1853	47	1.9
4617.9	10000	38.4636	95.1983	-526	PD	2.5	-1	9.3	0	1.1	0	0.268	-1	2.344	-1	8.749	0	1878	41	1.9
4618.0	10000	38.4636	95.1976	-527	PD	2.4	-2	9.3	0	1.0	0	0.260	-1	2.308	-1	8.860	0	1907	34	1.9
4618.1	10000	38.4636	95.1969	-528	PD	2.5	-1	9.4	0	1.1	0	0.264	-1	2.324	-1	8.816	0	1944	49	1.9
4618.2	10000	38.4636	95.1961	-529	PD	2.6	-1	9.7	0	1.1	0	0.271	-1	2.435	-1	8.989	0	1988	45	1.9
4618.3	10000	38.4636	95.1954	-530	PD	2.8	-1	9.7	0	1.1	0	0.289	-1	2.570	-1	8.878	0	1997	51	1.9
4618.4	10000	38.4636	95.1947	-530	PD	3.1	0	9.5	0	1.1	0	0.331	0	2.897	0	8.750	0	2007	59	1.9
4618.5	10000	38.4636	95.1939	-528	PD	3.3	0	9.0	-1	1.0	0	0.361	1	3.173	2	8.785	0	1993	45	1.9
4618.6	10000	38.4636	95.1932	-522	PD	3.8	1	8.6	-1	1.0	-1	0.434	2	3.902	2	8.992	0	1965	33	1.9
4618.7	10000	38.4636	95.1924	-507	PD	3.9	1	8.7	-1	1.0	-1	0.445	2	4.053	2	9.101	0	1939	55	1.9
4618.8	10000	38.4636	95.1917	-496	PD	3.8	1	8.5	-1	0.9	-1	0.454	2	4.139	2	9.120	0	1923	44	1.9
4618.9	10000	38.4636	95.1910	-506	PD	3.4	1	8.2	-1	0.9	-1	0.420	2	3.622	1	8.626	0	1917	48	1.9
4619.0	10000	38.4636	95.1902	-520	PD	3.6	1	8.5	-1	1.0	-1	0.436	2	3.677	1	8.430	0	1950	55	1.9
4619.1	10000	38.4636	95.1895	-520	PD	3.6	1	8.7	-1	1.0	-1	0.408	2	3.671	1	9.004	0	1975	58	1.9
4619.2	10000	38.4636	95.1888	-526	PD	3.4	1	9.0	0	1.0	0	0.377	1	3.373	1	8.957	0	2023	35	1.9
4619.3	10000	38.4636	95.1880	-532	PD	3.2	0	9.1	0	1.0	0	0.352	1	2.916	1	8.946	0	2077	55	1.9
4619.4	10000	38.4636	95.1873	-532	PD	3.0	0	9.2	0	1.0	0	0.326	1	2.796	0	8.946	0	2124	48	1.9
4619.5	10000	38.4636	95.1865	-531	PD	2.9	0	9.2	0	1.0	0	0.334	1	2.760	0	8.916	0	2167	46	1.9
4619.6	10000	38.4636	95.1858	-530	PD	2.9	0	9.2	0	1.0	0	0.349	1	2.760	0	8.916	0	2184	41	1.9
4619.7	10000	38.4636	95.1851	-530	PL	2.9	0	9.2	0	1.0	0	0.395	1	2.760	0	8.916	0	2187	34	1.9
4619.8	10000	38.4636	95.1843	-531	PL	2.9	0	9.2	0	1.0	0	0.378	1	2.760	0	8.916	0	2176	57	1.9
4619.9	10000	38.4636	95.1836	-531	PL	2.9	0	9.2	0	1.0	0	0.403	1	2.760	0	8.916	0	2170	43	1.9
4620.0	10000	38.4636	95.1828	-531	PL	2.9	0	9.2	0	1.0	0	0.399	1	2.760	0	8.916	0	2157	41	1.9
4620.1	10000	38.4636	95.1821	-532	PL	2.9	0	9.2	0	1.0	0	0.388	1	2.760	0	8.916	0	2154	43	1.9
4620.2	10000	38.4636	95.1814	-532	PL	2.9	0	9.2	0	1.0	0	0.370	1	2.760	0	8.916	0	2152	56	1.9
4620.3	10000	38.4636	95.1806	-533	PL	2.9	0	9.2	0	1.0	0	0.394	1	2.760	0	8.916	0	2162	33	1.9
4620.4	10000	38.4636	95.1799	-533	PL	2.9	0	9.2	0	1.0	0	0.389	1	2.760	0	8.916	0	2168	37	1.9
4620.5	10000	38.4636	95.1792	-534	PL	2.9	0	9.2	0	1.0	0	0.397	1	2.760	0	8.916	0	2203	49	1.9
4620.6	10000	38.4636	95.1784	-534	PL	2.9	0	9.2	0	1.0	0	0.375	1	2.760	0	8.916	0	2224	52	1.9
4620.7	10000	38.4636	95.1777	-535	PL	2.9	0	9.2	0	1.0	0	0.376	1	2.760	0	8.916	0	2261	38	1.9
4620.8	10000	38.4636	95.1769	-536	PL	2.9	0	9.2	0	1.0	0	0.358	1	2.760	0	8.916	0	2307	34	1.9
4620.9	10000	38.4636	95.1762	-536	PL	2.9	0	9.2	0	1.0	0	0.375	1	2.760	0	8.916	0	2347	53	1.9
4621.0	10000	38.4636	95.1755	-536	PL	2.9	0	9.2	0	1.0	0	0.391	1	2.760	0	8.916	0	2407	44	1.9
4621.1	10000	38.4636	95.1747	-537	PL	2.9	0	9.2	0	1.0	0	0.407	1	2.760	0	8.916	0	2465	44	1.9
4621.2	10000	38.4636	95.1740	-537	PL	2.9	0	9.2	0	1.0	0	0.399	1	2.760	0	8.916	0	2509	38	1.9
4621.3	10000	38.4636	95.1732	-538	PL	2.9	0	9.2	0	1.0	0	0.407	1	2.760	0	8.916	0	2528	46	1.9
4621.4	10000	38.4636	95.1725	-538	PL	2.9	0	9.2	0	1.0	0	0.399	1	2.760	0	8.916	0	2522	46	1.9
4621.5	10000	38.4636	95.1718	-539	PL	2.9	0	9.2	0	1.0	0	0.407	1	2.760	0	8.916	0	2496	38	1.9
4621.6	10000	38.4636	95.1710	-539	PL	2.9	0	9.2	0	1.0	0	0.399	1	2.760	0	8.916	0	2457	46	1.9

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
4621.7	10000	38.4636	95.1703	-540	PLP	4.4	2	11.7	2	1.2	0	0.373	1	3.616	1	9.683	1	2387	43	1.9
4621.8	10000	38.4636	95.1696	-541	PLP	4.4	3	11.4	2	1.1	0	0.387	1	3.865	2	9.997	1	2326	61	1.9
4621.9	10000	38.4636	95.1688	-541	PKC	4.1	1	10.8	1	1.1	0	0.376	1	3.716	1	9.895	1	2274	39	1.9
4622.0	10000	38.4636	95.1681	-541	PKC	3.8	1	10.4	1	1.1	0	0.364	0	3.457	1	9.489	1	2233	46	1.9
4622.1	10000	38.4636	95.1673	-542	PKC	3.6	1	10.5	1	1.1	0	0.346	0	3.373	1	9.743	1	2205	49	1.9
4622.2	10000	38.4636	95.1666	-542	PKC	3.5	1	10.5	1	1.1	0	0.331	0	3.123	1	9.436	1	2186	43	1.9
4622.3	10000	38.4636	95.1659	-542	PKC	3.5	1	10.5	1	1.1	0	0.331	0	3.061	0	9.243	1	2179	43	1.9
4622.4	10000	38.4636	95.1651	-543	PKC	3.5	1	10.3	1	1.2	0	0.337	0	3.007	0	8.927	0	2172	49	1.9
4622.5	10000	38.4636	95.1644	-544	PKC	3.2	1	10.2	1	1.2	-1	0.310	-1	2.700	0	8.695	0	2166	48	1.9
4622.6	10000	38.4636	95.1637	-544	PKC	3.2	1	10.5	1	1.2	0	0.306	-1	2.632	0	8.601	0	2144	50	1.9
4622.7	10000	38.4636	95.1629	-545	PKC	3.1	1	10.4	1	1.2	0	0.303	-1	2.617	-1	8.646	0	2131	46	1.9
4622.8	10000	38.4636	95.1622	-545	PKC	3.3	1	10.0	1	1.2	0	0.329	0	2.804	0	8.524	0	2123	42	1.9
4622.9	10000	38.4636	95.1614	-545	PKC	3.3	1	9.8	1	1.2	0	0.337	0	2.828	0	8.386	0	2128	46	1.9
4623.0	10000	38.4636	95.1607	-545	PKC	3.6	1	9.8	1	1.1	0	0.366	0	3.256	0	8.896	0	2127	44	1.9
4623.1	10000	38.4636	95.1600	-546	PKC	3.8	1	9.5	1	1.1	0	0.398	1	3.429	0	8.622	0	2125	44	1.9
4623.2	10000	38.4636	95.1592	-546	PKC	4.0	1	9.7	1	1.2	0	0.409	1	3.409	0	8.345	0	2134	40	1.9
4623.3	10000	38.4636	95.1585	-547	PKC	3.8	1	9.7	1	1.2	0	0.398	1	3.243	0	8.138	0	2157	61	1.9
4623.4	10000	38.4636	95.1577	-547	PKC	3.9	1	9.8	1	1.2	0	0.397	1	3.191	0	8.040	0	2178	46	1.9
4623.5	10000	38.4636	95.1570	-548	PKC	4.0	1	10.0	1	1.2	0	0.402	1	3.244	0	8.061	0	2194	47	1.9
4623.6	10000	38.4636	95.1563	-547	PKC	3.7	1	10.0	1	1.3	0	0.368	0	2.869	0	7.803	0	2199	48	1.9
4623.7	10000	38.4636	95.1555	-541	PKC	3.3	1	10.0	1	1.3	0	0.324	-1	2.498	-1	7.716	0	2203	32	1.9
4623.8	10000	38.4636	95.1548	-528	PKC	3.2	1	10.0	1	1.3	0	0.303	-1	2.397	-1	7.899	0	2212	45	1.9
4623.9	10000	38.4636	95.1541	-520	PKC	3.1	1	10.0	1	1.3	0	0.304	-1	2.389	-1	7.856	0	2213	43	1.9
4624.0	10000	38.4636	95.1533	-532	PKC	3.2	1	9.8	1	1.3	0	0.330	0	2.629	-1	7.969	0	2207	59	1.9
4624.1	10000	38.4636	95.1526	-543	PKC	3.4	1	9.8	1	1.3	0	0.347	0	2.826	-1	8.152	0	2196	50	1.9
4624.2	10000	38.4636	95.1518	-545	PKC	3.9	1	10.4	1	1.3	0	0.282	-1	2.457	-1	8.710	0	2185	29	1.9
4624.3	10000	38.4636	95.1511	-544	PKC	4.0	1	10.8	1	1.3	0	0.277	-1	2.588	-1	9.345	1	2181	60	1.9
4624.4	10000	38.4636	95.1504	-549	PKC	3.9	1	10.4	1	1.3	0	0.296	-1	2.567	-1	8.687	0	2160	52	1.9
4624.5	10000	38.4636	95.1496	-555	PKC	4.2	1	9.9	1	1.3	0	0.320	-1	2.690	-1	8.401	0	2130	45	1.9
4624.6	10000	38.4636	95.1489	-558	PKC	4.3	1	9.6	1	1.3	0	0.345	-1	2.832	-1	8.213	0	2104	50	1.9
4624.7	10000	38.4636	95.1481	-559	PKC	4.3	1	9.7	1	1.3	0	0.333	-1	2.785	-1	8.356	0	2087	47	1.9
4624.8	10000	38.4636	95.1474	-560	PKC	4.3	1	9.7	1	1.3	0	0.326	-1	2.846	-1	8.728	0	2092	30	1.9
4624.9	10000	38.4636	95.1467	-564	PKC	4.2	1	9.6	1	1.3	0	0.377	-1	2.852	-1	8.565	0	2118	43	1.9
4625.0	10000	38.4636	95.1459	-568	PKC	4.6	1	9.7	1	1.3	0	0.418	-1	2.831	-1	8.770	0	2139	49	1.9
4625.1	10000	38.4636	95.1452	-569	PKC	4.6	1	9.7	1	1.3	0	0.419	-1	2.930	-1	8.019	0	2163	48	1.9
4625.2	10000	38.4636	95.1445	-570	PKC	4.7	1	9.7	1	1.3	0	0.414	-1	2.940	-1	8.029	0	2210	50	1.9
4625.3	10000	38.4636	95.1437	-571	PKC	4.8	1	9.7	1	1.3	0	0.422	-1	2.929	-1	8.069	0	2235	44	1.9
4625.4	10000	38.4636	95.1430	-573	PKC	4.8	1	9.7	1	1.3	0	0.420	-1	2.760	-1	8.542	0	2270	52	1.9
4625.5	10000	38.4636	95.1422	-575	PKC	4.8	1	9.7	1	1.3	0	0.410	-1	2.835	-1	8.756	0	2298	47	1.9
4625.6	10000	38.4636	95.1415	-578	PKC	4.8	1	9.7	1	1.3	0	0.388	-1	2.843	-1	8.935	0	2299	43	1.9
4625.7	10000	38.4636	95.1408	-579	PKC	4.8	1	9.7	1	1.3	0	0.385	-1	2.889	-1	8.444	0	2322	50	1.9
4625.8	10000	38.4636	95.1400	-581	PLP	4.8	1	9.7	1	1.3	0	0.376	-1	2.854	-1	8.415	0	2371	51	1.9
4625.9	10000	38.4636	95.1393	-583	PLP	4.8	1	9.7	1	1.3	0	0.367	-1	2.842	-1	8.557	0	2427	51	1.9
4626.0	10000	38.4636	95.1385	-585	PLP	4.8	1	9.7	1	1.3	0	0.376	-1	2.847	-1	8.749	0	2498	44	1.9
4626.1	10000	38.4636	95.1378	-588	PLP	4.8	1	9.7	1	1.3	0	0.381	-1	2.901	-1	8.481	0	2549	36	1.9
4626.2	10000	38.4636	95.1371	-590	PLP	4.8	1	9.7	1	1.3	0	0.380	-1	2.999	-1	8.875	0	2598	51	1.9
4626.3	10000	38.4636	95.1363	-592	PLP	4.8	1	9.7	1	1.3	0	0.383	-1	2.999	-1	8.157	0	2653	62	1.9
4626.4	10000	38.4636	95.1356	-594	PLP	4.8	1	9.7	1	1.3	0	0.402	-1	2.999	-1	8.068	0	2674	36	1.9
4626.5	10000	38.4636	95.1349	-596	PLP	4.8	1	9.7	1	1.3	0	0.405	-1	2.999	-1	8.996	0	2685	45	1.9
4626.6	10000	38.4636	95.1341	-598	PLP	4.8	1	9.7	1	1.3	0	0.400	-1	2.999	-1	8.012	0	2677	43	1.9
4626.7	10000	38.4636	95.1334	-600	PLP	4.8	1	9.7	1	1.3	0	0.400	-1	2.999	-1	8.924	0	2641	47	1.9
4626.8	10000	38.4636	95.1326	-602	PLP	4.8	1	9.7	1	1.3	0	0.375	-1	2.886	-1	7.694	0	2601	54	1.9

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4626.9	10000	38.4636	95.1319	-603	PLP	4.0	2	11.8	2	1.4	2	0.339	0	2.777	0	8.183	0	2570	51	1.9
4627.0	10000	38.4636	95.1312	-605	PLP	3.9	1	11.4	2	1.5	2	0.339	0	2.628	0	7.740	-1	2534	47	1.9
4627.1	10000	38.4636	95.1304	-607	PLP	3.9	1	11.2	2	1.4	2	0.345	0	2.710	0	7.861	0	2496	45	1.9
4627.2	10000	38.4636	95.1297	-608	PLP	3.5	1	11.2	2	1.4	1	0.313	0	2.522	-1	8.061	0	2433	41	1.9
4627.3	10000	38.4636	95.1289	-610	PLP	3.4	1	11.1	2	1.4	2	0.305	-1	2.375	-1	7.778	-1	2371	57	1.9
4627.4	10000	38.4636	95.1282	-611	PLP	3.4	0	10.9	1	1.4	2	0.310	0	2.389	-1	7.713	-1	2334	56	1.9
4627.5	10000	38.4636	95.1275	-611	PLP	3.4	1	10.4	1	1.3	1	0.333	0	2.568	0	7.718	-1	2281	52	1.9
4627.6	10000	38.4636	95.1267	-612	PLP	3.5	1	9.8	1	1.3	1	0.353	0	2.580	0	7.306	-1	2196	54	1.9
4627.7	10000	38.4636	95.1260	-614	PLP	3.3	1	9.2	1	1.3	1	0.360	0	2.597	0	7.214	-1	2096	47	1.9
4627.8	10000	38.4636	95.1253	-615	PLP	3.2	0	8.6	-1	1.2	1	0.370	1	2.630	0	7.116	-1	2003	47	2.0
4627.9	10000	38.4636	95.1245	-616	PLP	3.1	0	8.2	-1	1.2	0	0.381	1	2.721	0	7.141	-1	1945	45	2.0
4628.0	10000	38.4636	95.1238	-617	PLP	3.1	0	7.9	-2	1.1	0	0.399	1	2.898	0	7.256	-1	1889	51	2.0
4628.1	10000	38.4636	95.1230	-618	PLP	3.0	0	7.6	-2	1.1	-1	0.402	1	2.868	0	7.140	-1	1831	53	2.0
4628.2	10000	38.4636	95.1223	-619	PLP	3.0	-1	7.4	-2	1.0	-1	0.389	1	2.802	0	7.203	-1	1788	45	2.0
4628.3	10000	38.4636	95.1216	-619	PLP	3.0	-1	7.3	-2	0.9	-1	0.407	1	3.172	1	7.789	-1	1776	35	2.0
4628.4	10000	38.4636	95.1208	-620	PLP	3.1	0	7.5	-2	0.9	-1	0.415	1	3.364	1	8.107	0	1791	50	2.0
4628.5	10000	38.4636	95.1201	-621	PKC	3.1	0	7.9	-1	0.9	-1	0.395	1	3.516	1	8.892	0	1822	53	2.0
4628.6	10000	38.4636	95.1193	-622	PKC	3.1	0	8.2	-1	0.9	-1	0.378	1	3.437	1	9.081	1	1862	64	2.0
4628.7	10000	38.4636	95.1186	-623	PKC	3.0	-1	8.6	-1	0.9	-1	0.340	0	3.161	0	9.285	1	1901	43	2.0
4628.8	10000	38.4636	95.1179	-624	PKC	3.2	0	8.6	-1	0.9	-1	0.373	1	3.538	1	9.481	1	1961	47	2.0
4628.9	10000	38.4636	95.1171	-625	PKC	3.4	0	9.0	0	0.9	-1	0.378	1	3.665	1	9.697	1	2029	51	2.0
4629.0	10000	38.4636	95.1164	-627	PKC	3.5	0	9.2	0	1.0	-1	0.382	1	3.496	1	9.151	1	2076	33	2.0
4629.1	10000	38.4635	95.1156	-629	PKC	3.5	0	9.7	0	1.0	-1	0.360	1	3.397	1	9.426	1	2128	61	2.0
4629.2	10000	38.4635	95.1149	-630	PKC	3.5	0	9.4	0	1.1	0	0.377	1	3.304	0	8.762	0	2145	55	2.0
4629.3	10000	38.4635	95.1142	-632	PKC	3.6	0	9.3	0	1.1	0	0.385	1	3.147	0	8.185	0	2154	61	2.0
4629.4	10000	38.4635	95.1134	-635	PKC	3.7	1	8.9	0	1.1	0	0.419	1	3.257	0	7.776	0	2159	50	2.0
4629.5	10000	38.4635	95.1127	-640	PKC	3.5	0	9.5	0	1.2	0	0.369	1	2.989	0	8.098	0	2154	54	2.0
4629.6	10000	38.4635	95.1120	-646	PLP	3.5	0	9.5	0	1.2	0	0.347	1	2.714	0	7.830	0	2156	40	2.0
4629.7	10000	38.4635	95.1112	-650	PLP	3.5	0	9.7	0	1.2	0	0.321	1	2.507	0	7.800	-1	2186	49	2.0
4629.8	10000	38.4635	95.1105	-653	PLP	3.5	0	9.7	0	1.2	0	0.328	1	2.495	0	7.614	-1	2179	51	2.0
4629.9	10000	38.4635	95.1097	-656	PLP	3.5	0	9.7	0	1.2	0	0.288	1	2.237	0	7.755	-1	2206	56	2.0
4630.0	10000	38.4635	95.1090	-659	PLP	3.5	0	9.7	0	1.2	0	0.297	1	2.462	0	7.296	-1	2206	44	2.0
4630.1	10000	38.4635	95.1083	-661	PLP	3.5	0	9.7	0	1.2	0	0.261	1	2.305	0	8.837	-1	2212	43	2.0
4630.2	10000	38.4635	95.1075	-664	PLP	3.5	0	9.7	0	1.2	0	0.280	1	2.498	0	8.936	-1	2214	33	2.0
4630.3	10000	38.4635	95.1068	-667	PLP	3.5	0	9.7	0	1.2	0	0.289	1	2.583	0	8.935	-1	2198	52	2.0
4630.4	10000	38.4635	95.1060	-669	PLP	3.5	0	9.7	0	1.2	0	0.282	1	2.599	0	9.219	-1	2177	55	2.0
4630.5	10000	38.4635	95.1053	-672	PLP	3.5	0	9.7	0	1.2	0	0.278	1	2.641	0	9.493	-1	2170	55	2.0
4630.6	10000	38.4635	95.1046	-674	PLP	3.5	0	9.7	0	1.2	0	0.285	1	2.554	0	8.967	-1	2150	54	2.0
4630.7	10000	38.4635	95.1038	-677	PLP	3.5	0	9.7	0	1.2	0	0.273	1	2.284	0	8.356	-1	2153	34	2.0
4630.8	10000	38.4635	95.1031	-679	PLP	3.5	0	9.7	0	1.2	0	0.270	1	2.227	0	8.235	-1	2151	44	2.0
4630.9	10000	38.4635	95.1024	-681	PLP	3.5	0	9.7	0	1.2	0	0.261	1	2.078	0	7.970	-1	2160	62	2.0
4631.0	10000	38.4635	95.1016	-684	PLP	3.5	0	9.7	0	1.2	0	0.242	1	1.898	0	7.843	-1	2162	53	2.0
4631.1	10000	38.4635	95.1008	-686	PLP	3.5	0	9.7	0	1.2	0	0.254	1	1.798	0	7.066	-1	2150	50	2.0
4631.2	10000	38.4635	95.1000	-688	PLP	3.5	0	9.7	0	1.2	0	0.262	1	1.732	0	6.609	-1	2164	33	2.0
4631.3	10000	38.4635	95.0993	-691	PLP	3.5	0	9.7	0	1.2	0	0.299	1	2.030	1	6.781	-1	2173	46	2.0
4631.4	10000	38.4635	95.0985	-693	PLP	3.5	0	9.7	0	1.2	0	0.330	1	2.301	1	6.975	-1	2185	46	2.0
4631.5	10000	38.4635	95.0977	-695	PLP	3.5	0	9.7	0	1.2	0	0.359	1	2.377	1	6.627	-1	2205	50	2.0
4631.6	10000	38.4635	95.0969	-697	PLP	3.5	0	9.7	0	1.2	0	0.359	1	2.389	1	6.654	-1	2198	45	2.0
4631.7	10000	38.4635	95.0961	-698	PLP	3.5	0	9.7	0	1.2	0	0.399	1	2.689	1	6.736	-1	2207	48	2.0
4631.8	10000	38.4636	95.0954	-699	PLP	3.5	0	9.7	0	1.2	0	0.399	1	2.907	1	7.291	-1	2205	42	2.0
4631.9	10000	38.4635	95.0946	-700	PLP	3.5	0	9.7	0	1.2	0	0.405	1	3.050	1	7.530	-1	2204	44	2.0
4632.0	10000	38.4636	95.0938	-700	PLP	3.5	0	9.7	0	1.2	0	0.391	1	2.985	0	7.625	-1	2180	50	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4632.1	10000	38.4635	95.0930	-701	PLP	3.5	1	9.5	0	1.3	1	0.371	1	2.736	0	7.368	-1	2185	58	2.1
4632.2	10000	38.4636	95.0923	-701	PKC	3.6	1	9.7	0	1.3	1	0.370	0	2.777	0	7.515	-1	2183	51	2.1
4632.3	10000	38.4636	95.0915	-701	PKC	3.6	1	9.9	0	1.3	1	0.359	0	2.788	0	7.758	0	2192	53	2.1
4632.4	10000	38.4636	95.0907	-700	PKC	3.2	0	10.0	1	1.2	1	0.323	0	2.620	-1	8.106	0	2170	49	2.1
4632.5	10000	38.4636	95.0899	-700	PKC	3.5	0	10.1	1	1.2	0	0.342	0	2.902	0	8.485	0	2176	64	2.1
4632.6	10000	38.4636	95.0892	-701	PKC	3.4	0	10.2	1	1.1	0	0.333	0	3.004	0	9.026	1	2169	44	2.1
4632.7	10000	38.4636	95.0884	-702	PKC	3.5	0	10.9	1	1.1	0	0.325	0	3.284	0	10.090	1	2191	45	2.1
4632.8	10000	38.4636	95.0876	-702	PKC	3.7	1	11.0	1	1.0	-1	0.331	0	3.712	1	11.214	2	2153	42	2.1
4632.9	10000	38.4636	95.0868	-702	PKC	3.6	1	10.9	1	0.9	-1	0.334	0	4.091	2	12.265	3	2104	64	2.1
4633.0	10000	38.4636	95.0861	-701	PKC	3.7	1	10.4	1	0.9	-1	0.351	0	4.148	2	11.804	3	2077	42	2.1
4633.1	10000	38.4636	95.0853	-699	PKC	3.6	1	10.6	1	0.9	-1	0.343	0	4.028	2	11.734	3	2074	50	2.1
4633.2	10000	38.4636	95.0845	-698	PKC	3.2	1	10.4	1	0.9	-1	0.303	-1	3.444	1	11.369	2	2054	41	2.1
4633.3	10000	38.4636	95.0837	-697	PKC	3.1	0	10.2	1	1.0	-1	0.300	-1	3.227	0	10.774	2	2031	46	2.1
4633.4	10000	38.4636	95.0829	-696	PKC	2.9	-1	9.4	0	1.0	-1	0.312	-1	3.039	0	9.743	1	1996	49	2.1
4633.5	10000	38.4636	95.0822	-694	PKC	2.7	-1	9.1	0	1.0	-1	0.298	-1	2.745	0	9.219	1	1977	60	2.1
4633.6	10000	38.4636	95.0814	-694	PKC	2.6	-1	8.8	0	1.0	-1	0.292	-1	2.546	-1	8.730	1	1989	47	2.1
4633.7	10000	38.4636	95.0806	-692	PKC	2.8	-1	8.8	0	1.0	-1	0.315	-1	2.859	0	9.069	1	1964	35	2.1
4633.8	10000	38.4636	95.0798	-691	PKC	2.9	-1	8.4	-1	1.0	-1	0.340	0	2.849	0	8.375	1	1970	49	2.1
4633.9	10000	38.4636	95.0791	-690	PKC	2.8	-1	8.2	-1	1.0	-1	0.345	0	2.772	0	8.027	0	1981	38	2.1
4634.0	10000	38.4636	95.0783	-690	PKC	3.0	-1	8.2	-1	1.0	-1	0.362	0	3.005	0	8.309	0	1973	38	2.1
4634.1	10000	38.4636	95.0775	-689	PKC	2.8	-1	8.4	-1	1.0	0	0.331	0	2.638	0	7.961	0	1978	47	2.2
4634.2	10000	38.4636	95.0767	-689	PKC	3.0	-1	8.5	-1	1.1	0	0.352	0	2.821	0	8.015	0	1997	44	2.2
4634.3	10000	38.4636	95.0760	-689	PKC	3.3	0	8.6	-1	1.1	0	0.386	0	3.106	0	8.040	0	1987	45	2.2
4634.4	10000	38.4636	95.0752	-689	PKC	3.0	-1	8.6	-1	1.1	0	0.349	0	2.737	0	7.832	0	2007	52	2.2
4634.5	10000	38.4636	95.0744	-689	PKC	3.0	0	8.9	0	1.0	-1	0.339	0	2.902	0	8.550	0	1996	53	2.2
4634.6	10000	38.4636	95.0736	-689	PKC	3.2	0	8.8	0	1.1	0	0.356	0	3.058	0	8.587	0	1992	45	2.2
4634.7	10000	38.4636	95.0729	-689	PKC	3.0	0	8.8	0	1.1	0	0.339	0	2.846	0	8.586	0	2017	55	2.2
4634.8	10000	38.4636	95.0721	-689	PKC	2.9	-1	8.8	0	1.1	0	0.329	0	2.959	0	8.325	0	2056	35	2.2
4634.9	10000	38.4636	95.0713	-689	PKC	3.0	0	8.8	0	1.1	0	0.348	0	2.875	0	8.596	0	2081	47	2.2
4635.0	10000	38.4636	95.0705	-689	PKC	3.2	0	8.8	0	1.1	0	0.354	0	2.752	0	8.991	0	2100	57	2.2
4635.1	10000	38.4636	95.0697	-689	PKC	3.3	0	8.9	0	1.1	0	0.353	0	2.919	0	8.880	0	2112	56	2.2
4635.2	10000	38.4636	95.0690	-689	PKC	3.5	0	9.2	0	1.1	0	0.350	0	3.139	0	9.023	0	2144	51	2.2
4635.3	10000	38.4636	95.0682	-689	PKC	3.7	0	9.2	1	1.1	0	0.357	0	3.295	0	9.298	0	2174	58	2.2
4635.4	10000	38.4636	95.0674	-689	PKC	3.7	0	9.4	1	1.1	0	0.351	0	3.290	0	9.306	0	2196	55	2.2
4635.5	10000	38.4636	95.0667	-689	PKC	3.9	0	9.5	1	1.1	0	0.322	0	3.395	0	9.699	0	2214	52	2.2
4635.6	10000	38.4636	95.0659	-690	PKC	3.8	0	9.5	1	1.1	0	0.296	0	3.399	0	9.519	0	2223	48	2.2
4635.7	10000	38.4636	95.0651	-690	PKC	3.9	0	9.6	1	1.1	0	0.265	0	3.319	0	9.460	0	2226	47	2.2
4635.8	10000	38.4636	95.0643	-690	PKC	3.8	0	9.6	1	1.1	0	0.252	0	3.268	0	9.134	0	2244	51	2.2
4635.9	10000	38.4636	95.0635	-691	PKC	3.8	0	9.6	1	1.1	0	0.244	0	3.899	0	9.806	0	2256	48	2.2
4636.0	10000	38.4636	95.0628	-691	PKC	3.8	0	9.6	1	1.1	0	0.265	0	3.687	0	9.662	0	2258	52	2.2
4636.1	10000	38.4636	95.0620	-691	PKC	3.8	0	9.6	1	1.1	0	0.252	0	3.556	0	9.653	0	2247	53	2.2
4636.2	10000	38.4636	95.0612	-691	PKC	3.8	0	9.6	1	1.1	0	0.244	0	3.585	0	9.247	0	2253	53	2.2
4636.3	10000	38.4636	95.0604	-691	PKC	3.8	0	9.6	1	1.1	0	0.265	0	3.464	0	9.099	0	2253	53	2.2
4636.4	10000	38.4636	95.0597	-691	PKC	3.8	0	9.6	1	1.1	0	0.275	0	3.513	0	10.026	1	2236	48	2.2
4636.5	10000	38.4636	95.0589	-690	PKC	3.8	0	9.6	1	1.1	0	0.299	0	3.397	0	9.714	0	2232	50	2.2
4636.6	10000	38.4636	95.0581	-688	PKC	3.8	0	9.6	1	1.1	0	0.310	0	3.469	0	9.246	0	2220	32	2.2
4636.7	10000	38.4636	95.0573	-686	PKC	3.8	0	9.6	1	1.1	0	0.370	0	3.520	0	9.139	0	2187	35	2.2
4636.8	10000	38.4636	95.0565	-684	PKC	3.8	0	9.6	1	1.1	0	0.356	0	3.524	0	9.901	0	2174	32	2.2
4636.9	10000	38.4636	95.0558	-683	PKC	3.8	0	9.6	1	1.1	0	0.366	0	3.740	0	9.705	0	2167	35	2.2
4637.0	10000	38.4636	95.0550	-683	QAL	3.8	0	9.6	1	1.1	0	0.355	0	3.801	0	9.662	0	2143	38	2.2
4637.1	10000	38.4636	95.0542	-683	QAL	3.8	0	9.6	1	1.1	0	0.308	0	3.691	0	9.028	0	2118	41	2.2
4637.2	10000	38.4636	95.0535	-684	QAL	3.8	0	9.6	1	1.1	0	0.308	0	3.595	0	9.426	0	2111	45	2.2

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4637.3	10000	38.4636	95.0527	-684	QAL	2.9	0	9.7	0	1.2	0	0.297	-1	2.488	0	8.391	1	2110	46	2.2
4637.4	10000	38.4636	95.0519	-685	QAL	2.7	-1	10.0	1	1.2	0	0.275	-1	2.365	0	8.608	1	2087	44	2.2
4637.5	10000	38.4636	95.0511	-684	QAL	2.4	-1	9.8	0	1.2	0	0.249	-1	2.044	-1	8.204	0	2063	48	2.2
4637.6	10000	38.4636	95.0503	-684	QAL	2.4	-1	9.6	0	1.2	0	0.247	-1	1.980	-1	8.027	0	2022	48	2.2
4637.7	10000	38.4636	95.0496	-683	QAL	2.5	-1	9.4	0	1.2	0	0.268	-1	2.125	-1	7.931	0	1985	48	2.2
4637.8	10000	38.4636	95.0488	-682	QAL	2.6	-1	9.2	0	1.2	0	0.286	-1	2.263	0	7.921	0	1956	47	2.2
4637.9	10000	38.4636	95.0480	-682	QAL	2.9	0	9.0	0	1.1	0	0.323	0	2.598	0	8.039	0	1940	44	2.2
4638.0	10000	38.4636	95.0472	-681	QAL	3.1	0	8.7	-1	1.1	-1	0.359	0	2.876	1	8.017	0	1917	45	2.2
4638.1	10000	38.4636	95.0465	-680	QAL	3.2	0	8.1	-1	1.1	-1	0.392	1	3.003	1	7.661	0	1887	45	2.2
4638.2	10000	38.4636	95.0457	-679	QAL	3.3	0	8.1	-1	1.0	-1	0.412	1	3.334	1	8.090	0	1878	45	2.2
4638.3	10000	38.4636	95.0449	-679	QAL	3.3	0	8.0	-1	1.0	-1	0.417	1	3.256	1	7.807	0	1885	44	2.2
4638.4	10000	38.4636	95.0441	-679	QAL	3.1	0	8.1	-1	1.0	-1	0.386	1	3.057	1	7.929	0	1892	37	2.2
4638.5	10000	38.4636	95.0434	-679	QAL	3.1	0	8.2	-1	1.0	-1	0.380	1	3.028	1	7.968	0	1894	41	2.2
4638.6	10000	38.4636	95.0426	-678	QAL	3.0	0	8.4	-1	1.1	-1	0.375	1	2.787	0	7.432	0	1919	48	2.2
4638.7	10000	38.4636	95.0418	-676	QAL	2.8	0	8.4	-1	1.1	-1	0.339	0	2.623	0	7.745	0	1941	58	2.2
4638.8	10000	38.4636	95.0410	-677	QAL	3.0	0	8.9	-1	1.1	-1	0.333	0	2.639	0	7.916	0	1999	43	2.2
4638.9	10000	38.4636	95.0403	-677	QAL	2.9	0	8.9	0	1.2	0	0.327	0	2.445	0	7.477	0	2047	50	2.2
4639.0	10000	38.4636	95.0395	-676	QAL	3.3	0	9.3	0	1.1	0	0.351	0	2.887	1	8.220	0	2074	45	2.2
4639.1	10000	38.4636	95.0387	-677	QAL	3.5	1	9.4	0	1.2	0	0.375	1	3.010	1	8.031	0	2120	40	2.2
4639.2	10000	38.4636	95.0379	-676	QAL	3.3	0	9.5	0	1.2	0	0.351	0	2.791	0	7.940	0	2154	50	2.2
4639.3	10000	38.4636	95.0371	-677	QAL	3.2	0	9.8	0	1.2	0	0.324	0	2.573	0	7.935	0	2167	37	2.2
4639.4	10000	38.4636	95.0364	-677	QAL	3.3	0	9.7	0	1.3	0	0.338	0	2.606	0	7.707	0	2176	57	2.1
4639.5	10000	38.4636	95.0356	-676	QAL	3.0	0	9.6	0	1.3	0	0.316	0	2.339	0	7.392	0	2160	46	2.1
4639.6	10000	38.4636	95.0348	-676	QAL	2.8	0	10.2	1	1.3	0	0.279	-1	2.225	0	7.974	0	2129	44	2.1
4639.7	10000	38.4636	95.0340	-676	QAL	2.5	-1	9.5	-1	1.3	0	0.266	-1	1.953	-1	7.334	0	2098	46	2.1
4639.8	10000	38.4636	95.0333	-675	QAL	2.4	-1	9.1	-1	1.2	0	0.260	-1	1.933	-1	7.422	0	2035	64	2.1
4639.9	10000	38.4636	95.0325	-675	QAL	2.5	-1	8.8	-1	1.2	0	0.280	-1	2.051	-1	7.336	0	1975	35	2.1
4640.0	10000	38.4636	95.0317	-674	QAL	2.6	-1	8.6	-1	1.1	0	0.282	-1	2.145	-1	7.617	0	1908	45	2.1
4640.1	10000	38.4636	95.0309	-674	QAL	2.7	-1	8.6	-1	1.1	0	0.267	-1	2.130	-1	7.962	0	1862	42	2.1
4640.2	10000	38.4636	95.0302	-673	QAL	2.8	0	8.7	-1	1.1	0	0.282	-1	2.334	0	8.288	0	1832	58	2.1
4640.3	10000	38.4636	95.0294	-672	PKC	3.0	0	8.6	-1	1.1	0	0.304	-1	2.441	0	8.028	0	1826	47	2.1
4640.4	10000	38.4636	95.0286	-670	PKC	3.3	0	8.6	-1	1.1	0	0.298	-1	2.373	0	7.956	0	1851	35	2.1
4640.5	10000	38.4636	95.0278	-667	PKC	3.6	0	8.7	-1	1.1	0	0.276	-1	2.161	0	7.830	0	1893	53	2.1
4640.6	10000	38.4636	95.0271	-662	PKC	3.6	0	8.6	-1	1.1	0	0.301	-1	2.262	0	7.524	-1	1959	40	2.1
4640.7	10000	38.4636	95.0263	-659	PKC	3.7	0	8.8	-1	1.1	0	0.353	-1	2.572	0	7.277	-1	2032	44	2.1
4640.8	10000	38.4636	95.0255	-661	PKC	3.9	0	8.8	-1	1.1	0	0.363	-1	2.687	0	7.399	-1	2109	39	2.1
4640.9	10000	38.4636	95.0247	-665	PKC	3.9	0	8.8	-1	1.1	0	0.354	-1	2.699	0	7.627	-1	2159	42	2.1
4641.0	10000	38.4636	95.0239	-668	PKC	3.7	0	8.8	-1	1.1	0	0.334	-1	2.525	0	7.561	-1	2196	32	2.1
4641.1	10000	38.4636	95.0232	-669	PKC	3.5	0	8.8	-1	1.1	0	0.331	-1	2.564	0	7.743	-1	2216	44	2.1
4641.2	10000	38.4636	95.0224	-669	PKC	3.5	0	8.8	-1	1.1	0	0.330	-1	2.609	0	7.919	-1	2216	29	2.1
4641.3	10000	38.4636	95.0216	-668	PKC	3.5	0	8.8	-1	1.1	0	0.325	-1	2.665	0	8.204	-1	2213	40	2.1
4641.4	10000	38.4636	95.0208	-666	PKC	3.5	0	8.8	-1	1.1	0	0.274	-1	2.331	0	8.494	-1	2193	30	2.1
4641.5	10000	38.4636	95.0201	-666	PKC	3.5	0	8.8	-1	1.1	0	0.256	-1	2.216	0	8.326	-1	2160	45	2.1
4641.6	10000	38.4636	95.0193	-666	PKC	3.5	0	8.8	-1	1.1	0	0.268	-1	2.411	0	8.273	-1	2126	42	2.1
4641.7	10000	38.4636	95.0185	-665	PKC	3.5	0	8.8	-1	1.1	0	0.297	-1	2.640	0	8.525	-1	2056	58	2.1
4641.8	10000	38.4636	95.0177	-665	PKC	3.5	0	8.8	-1	1.1	0	0.330	-1	2.918	0	8.892	-1	1982	47	2.1
4641.9	10000	38.4636	95.0170	-664	PKC	3.5	0	8.8	-1	1.1	0	0.319	-1	2.884	-1	8.830	-1	1956	35	2.1
4642.0	10000	38.4636	95.0162	-664	PKC	3.5	0	8.8	-1	1.1	0	0.344	-1	3.032	-1	8.051	-1	1939	45	2.1
4642.1	10000	38.4636	95.0154	-663	PKC	3.5	0	8.8	-1	1.1	0	0.364	-1	3.233	-1	8.183	-1	1948	42	2.1
4642.2	10000	38.4636	95.0146	-661	PKC	3.5	0	8.8	-1	1.1	0	0.340	-1	3.016	-1	8.165	-1	1981	58	2.1
4642.3	10000	38.4636	95.0139	-660	PKC	3.5	0	8.8	-1	1.1	0	0.327	-1	2.915	-1	8.505	-1	2037	47	2.1
4642.4	10000	38.4636	95.0131	-659	PKC	3.5	0	8.8	-1	1.1	0	0.327	-1	2.915	-1	8.213	-1	2115	53	2.1

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4642.5	10000	38.4636	95.0123	-657	PKC	3.2	0	10.5	1	1.2	0	0.310	-1	2.743	0	8.859	0	2214	41	2.1
4642.6	10000	38.4636	95.0115	-656	PKC	3.0	-1	11.0	1	1.3	1	0.270	-1	2.339	-1	8.656	0	2282	38	2.1
4642.7	10000	38.4636	95.0107	-655	PKC	3.0	0	11.0	1	1.3	1	0.278	-1	2.396	-1	8.626	0	2332	43	2.1
4642.8	10000	38.4636	95.0100	-653	PKC	3.4	0	11.2	1	1.3	1	0.305	-1	2.543	-1	8.338	0	2362	50	2.1
4642.9	10000	38.4636	95.0092	-651	PKC	3.4	0	11.6	2	1.4	1	0.295	-1	2.449	-1	8.313	0	2397	38	2.1
4643.0	10000	38.4636	95.0084	-649	PKC	3.8	1	11.6	2	1.5	2	0.326	0	2.520	-1	7.720	0	2445	52	2.1
4643.1	10000	38.4636	95.0076	-647	PKC	3.8	1	11.8	2	1.5	2	0.318	-1	2.458	-1	7.722	0	2481	56	2.1
4643.2	10000	38.4636	95.0069	-645	PKC	3.5	0	12.1	2	1.5	2	0.289	-1	2.283	-1	7.886	0	2483	33	2.1
4643.3	10000	38.4636	95.0061	-641	PKC	3.8	1	12.2	2	1.5	2	0.310	-1	2.511	-1	8.102	0	2476	41	2.1
4643.4	10000	38.4636	95.0053	-639	PKC	3.7	1	12.3	2	1.5	2	0.303	-1	2.557	-1	8.445	0	2434	44	2.1
4643.5	10000	38.4636	95.0045	-636	PKC	3.1	0	12.2	2	1.4	1	0.252	-1	2.234	-1	8.871	0	2398	42	2.1
4643.6	10000	38.4636	95.0038	-633	PKC	3.0	-1	11.7	2	1.3	1	0.257	-1	2.233	-1	8.679	0	2319	48	2.1
4643.7	10000	38.4636	95.0030	-631	PKC	2.8	-1	11.1	1	1.2	0	0.253	-1	2.361	-1	9.318	1	2227	39	2.1
4643.8	10000	38.4636	95.0022	-627	PKC	2.1	0	10.1	1	1.1	0	0.307	-1	2.804	0	9.126	1	2141	50	2.1
4643.9	10000	38.4636	95.0014	-623	PKC	1.3	0	9.7	0	1.0	-1	0.339	0	3.186	0	9.406	1	2075	52	2.1
4644.0	10000	38.4636	95.0007	-619	PKC	1.1	0	9.2	0	0.9	-1	0.342	0	3.344	1	9.782	1	2008	41	2.1
4644.1	10000	38.4636	94.9999	-615	PKC	1.4	0	9.0	0	0.9	-1	0.377	0	3.561	1	9.445	1	1975	31	2.1
4644.2	10000	38.4636	94.9991	-611	PKC	1.5	0	8.6	-1	0.9	-1	0.408	1	3.938	1	9.655	1	1908	46	2.1
4644.3	10000	38.4636	94.9983	-606	PKC	1.4	0	8.1	-1	0.8	-2	0.418	1	4.133	2	9.897	1	1865	51	2.1
4644.4	10000	38.4636	94.9975	-602	PKC	1.3	0	7.9	-1	0.8	-2	0.419	1	3.992	1	9.520	1	1816	38	2.1
4644.5	10000	38.4636	94.9968	-597	PKC	1.1	0	8.2	-1	0.8	-2	0.382	0	4.015	1	10.500	2	1761	44	2.1
4644.6	10000	38.4636	94.9960	-592	PKC	1.1	0	7.4	-2	0.7	-2	0.420	1	4.285	2	10.214	1	1685	46	2.1
4644.7	10000	38.4636	94.9952	-587	PKC	1.0	-1	7.0	-2	0.7	-3	0.432	1	4.480	2	10.368	2	1606	44	2.0
4644.8	10000	38.4636	94.9944	-583	PKC	.7	-1	6.5	-2	0.6	-3	0.420	1	4.321	2	10.286	2	1526	46	2.0
4644.9	10000	38.4636	94.9937	-578	PKC	.7	-1	6.1	-3	0.6	-3	0.444	1	4.223	2	9.511	1	1465	52	2.0
4645.0	10000	38.4636	94.9929	-573	PKC	.7	-1	6.5	-2	0.6	-3	0.441	1	4.391	2	9.960	1	1416	48	2.0
4645.1	10000	38.4636	94.9921	-568	PKC	.6	-1	6.5	-2	0.6	-3	0.459	1	4.542	2	9.901	1	1382	41	2.0
4645.2	10000	38.4636	94.9913	-563	PKC	.6	-1	6.5	-2	0.6	-3	0.466	1	4.440	2	9.536	1	1394	46	2.0
4645.3	10000	38.4636	94.9906	-558	PKC	.6	-1	6.5	-2	0.6	-3	0.474	1	4.501	2	9.500	1	1443	32	2.0
4645.4	10000	38.4636	94.9898	-552	PKC	.6	-1	6.6	-2	0.6	-3	0.488	1	4.259	2	9.736	1	1541	34	2.0
4645.5	10000	38.4636	94.9891	-546	PKC	.6	-1	6.6	-2	0.6	-3	0.433	1	4.812	2	9.806	1	1651	43	2.0
4645.6	10000	38.4636	94.9883	-539	PKC	.6	-1	6.6	-2	0.6	-3	0.396	1	4.519	2	9.891	1	1803	42	2.0
4645.7	10000	38.4636	94.9876	-533	PKC	.6	-1	6.7	-2	0.6	-3	0.377	1	4.343	2	9.876	1	1943	39	2.0
4645.8	10000	38.4636	94.9869	-526	PKC	.6	-1	6.8	-2	0.6	-3	0.363	1	4.233	2	9.333	1	2098	48	2.0
4645.9	10000	38.4636	94.9861	-519	PKC	.6	-1	6.9	-2	0.6	-3	0.344	1	4.085	2	9.235	1	2206	43	2.0
4646.0	10000	38.4636	94.9854	-512	PKC	.6	-1	7.0	-2	0.6	-3	0.296	1	3.867	2	9.067	1	2305	57	2.0
4646.1	10000	38.4636	94.9846	-504	PKC	.6	-1	7.2	-2	0.6	-3	0.266	1	3.699	2	8.916	1	2369	37	2.0
4646.2	10000	38.4636	94.9839	-495	PKC	.6	-1	7.3	-2	0.6	-3	0.275	1	3.690	2	8.099	1	2421	53	2.0
4646.3	10000	38.4636	94.9832	-487	PKC	.6	-1	7.3	-2	0.6	-3	0.250	1	3.573	2	7.690	1	2435	55	2.0
4646.4	10000	38.4636	94.9824	-478	PKC	.6	-1	7.5	-2	0.6	-3	0.237	1	3.528	2	7.573	1	2449	55	2.0
4646.5	10000	38.4636	94.9817	-468	PKC	.6	-1	7.6	-2	0.6	-3	0.240	1	3.576	2	7.028	1	2429	53	2.0
4646.6	10000	38.4635	94.9810	-458	PKC	.6	-1	7.8	-2	0.6	-3	0.276	1	3.794	2	7.772	1	2416	53	2.0
4646.7	10000	38.4635	94.9802	-448	PKC	.6	-1	7.9	-2	0.6	-3	0.294	1	3.926	2	7.661	1	2379	53	2.0
4646.8	10000	38.4635	94.9795	-437	PKC	.6	-1	8.0	-2	0.6	-3	0.283	1	3.842	2	7.858	1	2353	36	2.0
4646.9	10000	38.4635	94.9787	-426	PKC	.6	-1	8.1	-2	0.6	-3	0.310	1	4.142	2	7.151	1	2307	39	2.0
4647.0	10000	38.4635	94.9780	-414	PKC	.6	-1	8.2	-2	0.6	-3	0.352	1	4.525	2	7.313	1	2268	42	2.0
4647.1	10000	38.4635	94.9773	-402	PKC	.6	-1	8.3	-2	0.6	-3	0.368	1	4.525	2	7.461	1	2221	55	2.0
4647.2	10000	38.4635	94.9765	-390	PKC	.6	-1	8.4	-2	0.6	-3	0.364	1	4.525	2	7.313	1	2172	44	2.0
4647.3	10000	38.4635	94.9758	-377	PKC	.6	-1	8.5	-2	0.6	-3	0.321	1	4.117	2	7.894	1	2119	48	2.0
4647.4	10000	38.4635	94.9751	-364	PKC	.6	-1	8.6	-2	0.6	-3	0.303	1	4.029	2	7.194	1	2075	48	2.0
4647.5	10000	38.4635	94.9743	-350	PKC	.6	-1	8.7	-2	0.6	-3	0.339	1	4.525	2	7.153	1	2016	45	2.0
4647.6	10000	38.4635	94.9736	-337	PKC	.6	-1	8.8	-2	0.6	-3	0.345	1	4.782	2	7.120	1	1978	37	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4647.7	10000	38.4635	94.9728	-324	PKC	3.1	0	8.5	-1	0.9	-1	0.359	0	3.304	0	9.212	1	1953	42	2.0
4647.8	10000	38.4634	94.9721	-309	PKC	3.5	0	8.2	-1	0.9	-1	0.426	1	3.854	1	9.048	1	1951	45	2.0
4647.9	10000	38.4634	94.9714	-294	PKC	3.6	0	8.6	-1	0.9	-1	0.414	1	3.928	1	9.490	1	1958	39	2.0
4648.0	10000	38.4634	94.9706	-278	PKC	3.8	1	8.8	0	0.9	-1	0.434	1	4.180	2	9.627	1	1992	53	2.0
4648.1	10000	38.4634	94.9699	-263	PKC	4.3	2	8.9	0	0.9	-1	0.486	2	4.833	3	9.937	1	2013	66	2.0
4648.2	10000	38.4634	94.9692	-247	PKC	4.4	2	9.3	0	0.9	-1	0.480	2	4.921	3	10.256	2	2049	51	2.0
4648.3	10000	38.4634	94.9684	-231	PKC	4.4	2	9.3	0	0.9	-1	0.471	1	4.694	2	9.965	1	2089	44	2.0
4648.4	10000	38.4634	94.9677	-214	PKC	4.5	2	9.5	0	1.0	-1	0.476	1	4.673	2	9.817	1	2117	50	2.0
4648.5	10000	38.4634	94.9669	-197	PKC	4.1	1	9.9	0	1.0	-1	0.414	1	4.175	2	10.075	1	2125	54	2.0
4648.6	10000	38.4634	94.9662	-180	PKC	4.0	1	10.0	1	1.0	-1	0.400	1	3.932	1	9.324	1	2147	38	2.0
4648.7	10000	38.4634	94.9655	-162	PKC	3.8	1	10.0	1	1.1	0	0.383	1	3.473	1	9.061	1	2168	44	2.0
4648.8	10000	38.4634	94.9647	-143	PKC	3.5	1	10.2	1	1.1	0	0.342	0	3.065	1	8.967	0	2183	46	2.0
4648.9	10000	38.4634	94.9640	-124	PKC	3.5	1	10.5	1	1.1	0	0.330	0	3.038	1	9.205	1	2183	40	2.0
4649.0	10000	38.4633	94.9633	-104	PKC	3.3	1	10.8	1	1.2	0	0.307	-1	2.733	0	8.905	1	2180	56	2.0
4649.1	10000	38.4633	94.9625	-83	PKC	3.0	1	11.3	2	1.2	0	0.270	-1	2.519	-1	9.328	1	2180	41	2.0
4649.2	10000	38.4633	94.9618	-62	PKC	3.3	1	11.5	1	1.2	0	0.297	-1	2.684	0	9.028	1	2204	51	2.0
4649.3	10000	38.4633	94.9610	-40	PKC	3.5	1	10.5	1	1.2	0	0.331	0	2.881	0	8.701	1	2209	50	2.0
4649.4	10000	38.4633	94.9603	-17	PKC	3.4	1	10.2	1	1.1	0	0.337	0	3.062	0	9.095	1	2190	46	2.0
4649.5	10000	38.4633	94.9596	7	PKC	3.4	1	10.1	1	1.1	0	0.335	0	2.987	0	8.920	1	2189	44	2.0
4649.6	10000	38.4633	94.9588	31	PKC	3.3	0	9.4	0	1.1	0	0.352	0	2.909	0	8.264	0	2167	52	2.0
4649.7	10000	38.4633	94.9581	58	PKC	3.4	0	9.1	0	1.1	0	0.373	0	3.140	0	8.415	0	2130	44	2.0
4649.8	10000	38.4633	94.9574	86	PKC	3.3	0	8.7	0	1.1	0	0.377	0	2.952	0	7.829	0	2075	42	2.0
4649.9	10000	38.4633	94.9566	115	PKC	3.1	0	8.4	-1	1.0	-1	0.371	0	3.007	0	8.097	0	2009	54	2.0
4650.0	10000	38.4633	94.9559	143	PKC	3.2	0	8.5	-1	1.0	-1	0.372	0	3.152	0	8.483	0	1960	54	2.0
4650.1	10000	38.4633	94.9551	170	PKC	3.1	0	8.3	-1	1.0	-1	0.377	0	3.147	0	8.340	0	1908	47	2.0
4650.2	10000	38.4632	94.9544	196	PKC	3.1	0	7.9	-1	0.9	-1	0.398	1	3.326	1	8.363	0	1854	51	2.0
4650.3	10000	38.4632	94.9537	221	PKC	3.1	0	8.0	-1	0.9	-1	0.391	1	3.482	1	8.912	0	1833	36	2.0
4650.4	10000	38.4632	94.9529	246	PKC	3.2	0	8.3	-1	0.9	-1	0.385	1	3.559	1	9.239	1	1821	53	2.0
4650.5	10000	38.4632	94.9522	271	PKC	3.2	0	8.3	-1	0.9	-2	0.391	1	3.759	1	9.624	1	1828	52	2.0
4650.6	10000	38.4632	94.9514	297	PKC	3.2	0	8.9	0	0.9	-1	0.359	0	3.545	1	9.877	1	1820	49	2.0
4650.7	10000	38.4632	94.9507	317	PKC	3.2	0	9.0	0	0.9	-1	0.351	0	3.570	1	10.173	1	1790	40	2.0
4650.8	10000	38.4632	94.9500	334	PKC	3.2	0	9.3	0	0.9	-1	0.325	0	3.528	1	10.859	1	1786	41	2.0
4650.9	10000	38.4632	94.9492	350	PKC	3.2	0	9.3	0	0.9	-1	0.334	0	3.634	1	10.884	1	1778	54	2.0
4651.0	10000	38.4632	94.9485	362	PKC	3.2	0	9.6	0	0.9	-1	0.313	0	3.218	1	10.280	1	1766	42	2.0
4651.1	10000	38.4632	94.9478	375	PKC	3.2	0	9.7	0	0.9	-1	0.318	0	3.099	1	9.998	1	1775	36	2.0
4651.2	10000	38.4632	94.9470	386	PKC	3.2	0	9.6	0	0.9	-1	0.331	0	3.151	1	9.897	1	1786	42	2.0
4651.3	10000	38.4632	94.9463	394	PKC	3.2	0	9.7	0	0.9	-1	0.330	0	3.210	1	9.702	1	1814	39	2.0
4651.4	10000	38.4632	94.9455	403	PKC	3.2	0	9.7	0	0.9	-1	0.335	0	3.055	1	9.258	1	1874	45	2.0
4651.5	10000	38.4632	94.9448	410	PKC	3.2	0	9.8	0	0.9	-1	0.335	0	3.047	1	9.701	1	1929	43	2.0
4651.6	10000	38.4631	94.9441	415	PKC	3.2	0	9.8	0	0.9	-1	0.335	0	3.037	1	9.371	1	2015	38	2.0
4651.7	10000	38.4631	94.9433	418	PKC	3.2	0	9.8	0	0.9	-1	0.335	0	3.013	1	9.590	1	2111	45	2.0
4651.8	10000	38.4631	94.9426	421	PKC	3.2	0	9.8	0	0.9	-1	0.337	0	3.033	1	9.951	1	2219	41	2.0
4651.9	10000	38.4631	94.9418	422	PKC	3.2	0	9.8	0	0.9	-1	0.335	0	3.012	1	9.977	1	2351	48	2.0
4652.0	10000	38.4631	94.9411	424	PKC	3.2	0	9.8	0	0.9	-1	0.335	0	3.011	1	9.147	1	2501	41	2.0
4652.1	10000	38.4631	94.9404	424	PKC	3.2	0	9.8	0	0.9	-1	0.335	0	3.011	1	10.037	1	2632	43	2.0
4652.2	10000	38.4631	94.9396	421	PKC	3.2	0	9.8	0	0.9	-1	0.335	0	3.011	1	10.101	1	2753	39	2.0
4652.3	10000	38.4631	94.9389	416	PKC	3.2	0	9.8	0	0.9	-1	0.335	0	3.011	1	10.218	1	2853	45	2.0
4652.4	10000	38.4631	94.9382	410	PKC	3.2	0	9.8	0	0.9	-1	0.335	0	3.011	1	9.960	1	2905	44	2.0
4652.5	10000	38.4631	94.9374	404	PKC	3.2	0	9.8	0	0.9	-1	0.335	0	3.011	1	9.731	1	2897	41	2.0
4652.6	10000	38.4631	94.9367	397	PKC	3.2	0	9.8	0	0.9	-1	0.335	0	3.011	1	9.405	1	2858	43	2.0
4652.7	10000	38.4630	94.9359	390	PKC	3.2	0	9.8	0	0.9	-1	0.335	0	3.011	1	9.650	1	2765	44	2.0
4652.8	10000	38.4630	94.9352	382	PKC	3.2	0	9.8	0	0.9	-1	0.335	0	3.011	1	9.747	1	2649	51	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4652.9	10000	38.4630	94.9345	375	PKC	4.1	1	11.5	2	1.5	2	0.360	0	2.774	0	7.697	-1	2529	50	2.0
4653.0	10000	38.4630	94.9337	366	PKC	3.9	1	10.7	1	1.3	1	0.362	0	2.906	0	8.017	0	2411	37	2.0
4653.1	10000	38.4630	94.9330	358	PKC	4.2	2	10.0	1	1.2	0	0.421	1	3.570	1	8.489	0	2317	51	2.0
4653.2	10000	38.4630	94.9323	351	PKC	4.4	2	9.3	0	1.1	0	0.468	1	3.871	1	8.264	0	2237	44	2.0
4653.3	10000	38.4630	94.9315	343	PKC	3.8	1	8.9	0	1.0	-1	0.426	1	3.667	1	8.606	0	2157	47	2.0
4653.4	10000	38.4630	94.9308	336	PKC	3.9	1	8.8	0	1.0	-1	0.443	1	3.869	1	8.731	0	2104	42	2.0
4653.5	10000	38.4630	94.9300	330	PKC	4.0	1	9.1	0	1.0	0	0.441	1	3.824	1	8.680	0	2091	38	2.0
4653.6	10000	38.4630	94.9293	323	PKC	4.0	1	8.9	0	1.0	0	0.446	1	3.775	1	8.470	0	2072	55	2.0
4653.7	10000	38.4630	94.9286	318	PKC	3.8	1	8.9	0	1.0	-1	0.433	1	3.734	1	8.624	0	2058	58	2.0
4653.8	10000	38.4630	94.9278	314	PKC	3.7	1	8.9	0	1.0	-1	0.418	1	3.564	1	8.530	0	2068	35	2.0
4653.9	10000	38.4629	94.9271	310	PKC	3.5	1	9.6	0	1.1	0	0.366	1	3.063	0	8.362	0	2108	41	2.0
4654.0	10000	38.4629	94.9263	306	PKC	3.7	1	10.0	1	1.2	0	0.369	0	3.057	0	8.279	0	2157	38	2.0
4654.1	10000	38.4629	94.9256	303	PKC	3.7	1	10.3	1	1.2	0	0.358	0	3.023	0	8.446	0	2204	46	2.0
4654.2	10000	38.4629	94.9249	300	PKC	3.8	1	10.5	1	1.2	0	0.360	0	3.091	0	8.588	0	2244	35	2.0
4654.3	10000	38.4629	94.9241	298	PKC	3.7	1	10.6	1	1.2	0	0.345	0	3.019	0	8.764	0	2292	31	2.0
4654.4	10000	38.4629	94.9234	295	PKC	3.7	1	10.6	1	1.3	1	0.344	0	2.760	0	8.0[illegible]	0	2339	43	2.0
4654.5	10000	38.4629	94.9227	293	PKC	3.3	1	10.9	1	1.4	1	0.299	-1	2.385	-1	7.967	0	2346	55	2.0
4654.6	10000	38.4629	94.9219	292	PKC	3.1	0	11.0	1	1.3	1	0.283	-1	2.394	-1	8.455	0	2334	41	2.0
4654.7	10000	38.4629	94.9212	290	PKC	2.9	-1	10.7	1	1.3	1	0.273	-1	2.233	-1	8.181	0	2332	38	2.0
4654.8	10000	38.4629	94.9205	289	PKC	2.9	-1	10.8	1	1.4	2	0.263	-1	2.071	-1	7.858	0	2328	53	2.0
4654.9	10000	38.4629	94.9.97	288	PKC	2.6	-1	10.5	1	1.4	2	0.239	-2	1.817	-2	7.62[illegible]	-1	2294	41	2.1
4655.0	10000	38.4629	94.9190	286	PKC	2.4	-2	10.5	1	1.4	2	0.229	-2	1.656	-2	7.238	-1	2254	57	2.1
4655.1	10000	38.4628	94.9182	285	PKC	2.6	-1	10.7	1	1.4	1	0.260	-1	1.909	-2	7.332	-1	2214	47	2.1
4655.2	10000	38.4628	94.9175	283	PKC	3.1	0	9.7	1	1.3	1	0.315	-1	2.318	-1	7.367	-1	2186	59	2.1
4655.3	10000	38.4628	94.9168	282	PKC	3.2	0	9.2	0	1.3	0	0.346	0	2.511	-1	7.256	-1	2169	39	2.1
4655.4	10000	38.4628	94.9160	279	PKC	3.4	0	9.4	0	1.2	0	0.365	0	2.813	0	7.702	-1	2152	46	2.1
4655.5	10000	38.4628	94.9153	278	PKC	3.4	0	9.5	0	1.1	0	0.356	0	3.013	0	8.42[illegible]	0	2139	40	2.1
4655.6	10000	38.4628	94.9146	276	PKC	3.7	1	9.4	0	1.2	0	0.393	1	3.389	1	8.631	0	2173	36	2.1
4655.7	10000	38.4628	94.9138	273	PKC	3.8	1	10.2	1	1.2	0	0.371	0	3.269	1	8.819	0	2248	50	2.1
4655.8	10000	38.4628	94.9131	271	PKC	3.6	1	10.3	1	1.2	0	0.349	0	3.086	1	8.879	0	2330	43	2.1
4655.9	10000	38.4628	94.9123	268	PKC	3.5	1	10.1	1	1.2	0	0.347	0	3.022	1	8.669	0	2438	42	2.1
4656.0	10000	38.4628	94.9116	265	PKC	3.4	1	9.8	0	1.2	0	0.347	0	2.863	1	8.376	0	2528	43	2.1
4656.1	10000	38.4628	94.9109	261	PKC	3.4	1	9.5	0	1.2	0	0.358	0	2.855	1	8.107	0	2626	54	2.1
4656.2	10000	38.4628	94.9101	258	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.886	1	7.475	0	2718	50	2.1
4656.3	10000	38.4628	94.9094	254	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.417	0	2790	38	2.1
4656.4	10000	38.4627	94.9086	251	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.128	0	2818	52	2.1
4656.5	10000	38.4627	94.9079	247	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.067	0	2834	65	2.1
4656.6	10000	38.4627	94.9072	242	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.073	0	2845	53	2.1
4656.7	10000	38.4627	94.9064	239	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.055	0	2827	44	2.1
4656.8	10000	38.4627	94.9057	235	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.167	0	2785	40	2.1
4656.9	10000	38.4627	94.9050	231	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.532	0	2751	60	2.2
4657.0	10000	38.4627	94.9042	227	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.849	0	2696	44	2.2
4657.1	10000	38.4627	94.9035	222	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.842	0	2661	40	2.2
4657.2	10000	38.4627	94.9027	217	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.846	0	2607	45	2.2
4657.3	10000	38.4627	94.9020	213	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.936	0	2526	45	2.2
4657.4	10000	38.4627	94.9013	208	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.930	0	2466	42	2.2
4657.5	10000	38.4626	94.9005	203	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.764	0	2399	45	2.2
4657.6	10000	38.4626	94.8998	199	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.803	0	2330	50	2.2
4657.7	10000	38.4626	94.8990	195	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.852	0	2291	54	2.2
4657.8	10000	38.4626	94.8983	190	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.860	0	2226	44	2.2
4657.9	10000	38.4626	94.8976	186	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.627	0	2179	46	2.2
4658.0	10000	38.4626	94.8968	181	PKC	3.4	1	9.4	0	1.2	0	0.362	0	2.863	1	7.626	0	2152	43	2.2

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAMPLE	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4658.1	10000	38.4626	94.8961	178	PKC	4.0	1	10.3	1	1.0	-1	0.393	0	3.923	1	9.994	1	2128	54	2.2
4658.2	10000	38.4626	94.8954	174	PKC	3.8	1	10.4	1	1.1	0	0.368	0	3.638	1	9.878	1	2128	43	2.2
4658.3	10000	38.4626	94.8946	170	PKC	3.8	1	10.6	1	1.0	-1	0.359	0	3.730	1	10.386	2	2117	44	2.2
4658.4	10000	38.4626	94.8939	167	PKC	3.9	1	10.3	1	1.0	-1	0.375	0	3.968	1	10.576	2	2095	45	2.2
4658.5	10000	38.4626	94.8931	164	PKC	3.8	1	9.5	0	1.0	-1	0.396	0	3.816	1	9.631	1	2071	41	2.2
4658.6	10000	38.4626	94.8924	162	PKC	3.6	1	9.3	0	0.9	-1	0.386	0	3.867	1	10.006	1	2052	52	2.2
4658.7	10000	38.4625	94.8917	161	PKC	3.4	0	9.4	0	1.0	-1	0.357	0	3.546	1	9.924	1	2035	40	2.2
4658.8	10000	38.4625	94.8909	161	PKC	3.1	0	9.1	0	1.0	-1	0.343	0	3.264	1	9.516	1	2035	49	2.2
4658.9	10000	38.4625	94.8902	163	PKC	3.1	0	8.8	0	1.0	-1	0.352	0	3.190	1	9.069	1	2029	50	2.2
4659.0	10000	38.4625	94.8895	163	PKC	2.9	-1	8.6	-1	1.0	-1	0.333	0	2.774	0	8.321	0	2026	51	2.3
4659.1	10000	38.4625	94.8887	162	PKC	2.7	-1	8.5	-1	1.1	0	0.320	0	2.548	-1	7.957	0	2025	40	2.3
4659.2	10000	38.4625	94.8880	162	PKC	2.7	-1	9.3	0	1.1	0	0.292	-1	2.546	-1	8.704	0	2044	49	2.3
4659.3	10000	38.4625	94.8872	161	PKC	2.8	-1	9.2	0	1.1	0	0.302	-1	2.589	-1	8.586	0	2042	41	2.3
4659.4	10000	38.4625	94.8865	162	PKC	3.1	0	8.8	0	1.1	0	0.347	0	2.849	0	8.211	0	2036	40	2.3
4659.5	10000	38.4625	94.8858	163	PKC	3.3	0	8.7	0	1.0	-1	0.377	0	3.149	0	8.362	0	2017	46	2.3
4659.6	10000	38.4625	94.8850	165	PKC	3.2	0	8.4	-1	1.0	-1	0.379	0	3.203	0	8.455	0	1983	45	2.3
4659.7	10000	38.4625	94.8843	168	PKC	3.2	0	8.4	-1	1.0	-1	0.378	0	3.259	0	8.614	0	1959	51	2.3
4659.8	10000	38.4624	94.8835	172	PKC	3.3	0	8.3	-1	1.0	-1	0.396	0	3.422	1	8.647	0	1946	47	2.3
4659.9	10000	38.4624	94.8828	176	PKC	3.2	0	8.0	-1	1.0	-1	0.400	1	3.345	1	8.355	0	1927	40	2.3
4660.0	10000	38.4624	94.8821	181	PKC	3.3	0	7.9	-1	0.9	-1	0.416	1	3.577	1	8.591	0	1927	58	2.3
4660.1	10000	38.4624	94.8813	185	PKC	3.1	0	8.1	-1	0.9	-1	0.383	0	3.334	1	8.701	0	1923	44	2.3
4660.2	10000	38.4624	94.8806	189	PKC	2.9	-1	8.2	-1	1.0	-1	0.357	0	2.968	0	8.31·	0	1964	42	2.3
4660.3	10000	38.4624	94.8799	192	PKC	2.9	-1	8.7	-1	1.1	0	0.333	0	2.675	0	8.031	0	2022	46	2.3
4660.4	10000	38.4624	94.8791	194	PKC	3.2	0	8.9	0	1.1	0	0.362	0	3.003	0	8.288	0	2081	37	2.3
4660.5	10000	38.4624	94.8784	196	PKC	3.1	0	9.3	0	1.1	0	0.331	0	2.785	0	8.404	0	2123	42	2.3
4660.6	10000	38.4624	94.8776	199	PKC	3.1	0	9.6	0	1.1	0	0.328	0	2.785	0	8.490	0	2165	32	2.3
4660.7	10000	38.4624	94.8769	200	PKC	2.9	-1	10.1	1	1.1	0	0.287	-1	2.527	-1	8.816	0	2200	54	2.3
4660.8	10000	38.4624	94.8762	201	PKC	3.2	0	10.5	1	1.1	0	0.305	-1	2.806	0	9.188	1	2252	34	2.3
4660.9	10000	38.4623	94.8754	201	PKC	3.4	0	10.3	1	1.1	0	0.328	0	2.962	0	9.041	1	2261	48	2.3
4661.0	10000	38.4623	94.8747	202	PKC	3.6	1	10.2	1	1.1	0	0.354	0	3.234	0	9.137	1	2264	41	2.3
4661.1	10000	38.4623	94.8740	201	PKC	3.7	1	10.1	1	1.1	0	0.362	0	3.188	0	8.795	1	2253	53	2.3
4661.2	10000	38.4623	94.8732	201	PKC	3.5	1	10.0	1	1.1	0	0.338	0	3.071	0	9.089	1	2246	39	2.3
4661.3	10000	38.4623	94.8725	201	PKC	3.6	1	10.1	1	1.1	0	0.325	0	3.143	0	9.473	1	2260	30	2.3
4661.4	10000	38.4623	94.8717	200	PKC	3.6	1	10.0	1	1.1	0	0.289	0	2.976	0	9.148	1	2271	38	2.3
4661.5	10000	38.4623	94.8710	199	PKC	3.5	1	9.9	1	1.1	0	0.264	0	2.644	0	9.163	1	2277	49	2.3
4661.6	10000	38.4623	94.8703	200	PKC	3.5	1	9.9	1	1.1	0	0.264	0	2.398	0	9.070	1	2293	42	2.3
4661.7	10000	38.4623	94.8695	200	PKC	3.5	1	9.9	1	1.1	0	0.225	0	2.465	0	9.339	1	2286	55	2.3
4661.8	10000	38.4623	94.8688	199	PKC	3.5	1	9.9	1	1.1	0	0.251	0	2.179	0	9.686	1	2294	44	2.3
4661.9	10000	38.4623	94.8681	200	PKC	3.5	1	9.9	1	1.1	0	0.249	0	2.295	0	9.130	1	2302	45	2.3
4662.0	10000	38.4623	94.8673	199	PKC	3.5	1	9.9	1	1.1	0	0.283	0	2.205	0	8.843	1	2282	30	2.3
4662.1	10000	38.4622	94.8666	199	PKC	3.5	1	9.9	1	1.1	0	0.304	0	2.422	0	8.546	1	2256	53	2.3
4662.2	10000	38.4622	94.8658	199	PKC	3.5	1	9.9	1	1.1	0	0.305	0	2.545	0	8.380	1	2240	39	2.3
4662.3	10000	38.4622	94.8651	198	PKC	3.5	1	9.9	1	1.1	0	0.288	0	2.662	0	8.750	1	2233	42	2.3
4662.4	10000	38.4622	94.8644	196	PKC	3.5	1	9.9	1	1.1	0	0.306	0	2.541	0	8.069	1	2254	30	2.3
4662.5	10000	38.4622	94.8636	196	PKC	3.5	1	9.9	1	1.1	0	0.305	0	2.578	0	8.459	1	2278	53	2.3
4662.6	10000	38.4622	94.8629	194	PKC	3.5	1	9.9	1	1.1	0	0.288	0	2.547	0	8.322	1	2312	46	2.3
4662.7	10000	38.4622	94.8622	192	PKC	3.5	1	9.9	1	1.1	0	0.306	0	2.557	0	8.307	1	2342	58	2.3
4662.8	10000	38.4622	94.8614	189	PKC	3.5	1	9.9	1	1.1	0	0.305	0	2.585	0	8.439	1	2381	58	2.3
4662.9	10000	38.4622	94.8607	186	PKC	3.5	1	9.9	1	1.1	0	0.306	0	2.483	0	8.286	1	2421	58	2.3
4663.0	10000	38.4622	94.8600	182	PKC	3.5	1	9.9	1	1.1	0	0.305	0	2.494	0	8.168	1	2457	58	2.3
4663.1	10000	38.4622	94.8592	177	PKC	3.5	1	9.9	1	1.1	0	0.306	0	2.561	0	8.896	1	2468	58	2.3
4663.2	10000	38.4622	94.8585	172	PKC	3.5	1	9.9	1	1.1	0	0.329	0	2.577	0	8.826	1	2480	58	2.3

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4663.3	10000	38.4622	94.8578	166	PKC	3.9	1	11.0	1	1.5	2	0.359	0	2.648	0	7.367	-1	2480	46	2.3
4663.4	10000	38.4622	94.8570	159	PKC	4.1	1	11.2	1	1.5	2	0.368	0	2.802	0	7.621	-1	2484	55	2.3
4663.5	10000	38.4622	94.8563	152	PKC	4.1	1	11.0	1	1.5	2	0.368	0	2.669	0	7.252	-1	2488	39	2.3
4663.6	10000	38.4622	94.8556	144	PKC	4.4	2	10.3	1	1.5	2	0.426	0	2.932	0	6.880	-1	2480	37	2.3
4663.7	10000	38.4622	94.8548	135	PKC	4.7	2	9.5	0	1.5	2	0.489	0	3.187	0	6.513	-1	2448	54	2.2
4663.8	10000	38.4622	94.8541	125	PKC	4.8	3	9.6	0	1.5	2	0.502	0	3.269	0	6.511	-1	2426	44	2.2
4663.9	10000	38.4622	94.8534	115	PKC	4.7	2	9.6	0	1.4	2	0.489	0	3.266	0	6.681	-1	2412	47	2.2
4664.0	10000	38.4622	94.8526	104	PKC	4.8	3	9.7	0	1.4	2	0.493	0	3.395	0	6.882	-1	2404	40	2.2
4664.1	10000	38.4621	94.8519	92	PKC	4.3	2	9.6	0	1.4	2	0.448	1	3.030	0	6.763	-1	2398	42	2.2
4664.2	10000	38.4621	94.8512	79	PKC	4.2	2	9.8	0	1.3	2	0.431	1	3.163	0	7.336	-1	2390	48	2.2
4664.3	10000	38.4621	94.8504	62	PKC	3.8	1	10.6	1	1.4	1	0.359	1	2.776	0	7.732	0	2365	37	2.2
4664.4	10000	38.4621	94.8497	51	PKC	4.4	3	11.0	1	1.3	1	0.312	-1	2.620	-1	8.402	0	2345	36	2.2
4664.5	10000	38.4621	94.8490	35	PKC	4.5	3	10.9	1	1.3	1	0.312	-1	2.625	-1	8.414	0	2320	57	2.2
4664.6	10000	38.4621	94.8483	17	PKC	4.5	3	10.7	1	1.3	1	0.322	-1	2.651	-1	8.230	0	2284	49	2.2
4664.7	10000	38.4621	94.8475	-2	PKC	4.4	2	10.5	1	1.3	1	0.304	-1	2.559	-1	8.423	0	2245	52	2.2
4664.8	10000	38.4621	94.8468	-23	PKC	4.4	2	10.4	1	1.2	1	0.331	0	2.959	0	8.943	0	2220	50	2.2
4664.9	10000	38.4621	94.8461	-45	PKC	4.5	2	10.1	1	1.1	0	0.349	0	3.121	0	8.955	0	2190	27	2.2
4665.0	10000	38.4621	94.8453	-68	PKC	4.6	2	9.8	1	1.2	0	0.365	0	3.243	0	8.885	0	2170	46	2.2
4665.1	10000	38.4621	94.8446	-92	PKC	4.4	2	9.4	1	1.2	0	0.366	0	2.977	0	8.130	0	2155	42	2.2
4665.2	10000	38.4621	94.8439	-117	QAL	4.3	2	9.6	1	1.2	0	0.349	0	2.816	0	8.078	0	2165	49	2.2
4665.3	10000	38.4621	94.8431	-143	QAL	4.4	2	9.7	1	1.2	0	0.347	0	2.820	0	8.131	0	2168	36	2.1
4665.4	10000	38.4621	94.8424	-169	QAL	4.4	1	9.4	1	1.2	0	0.361	0	2.845	0	7.890	0	2147	39	2.1
4665.5	10000	38.4621	94.8417	-195	QAL	4.1	1	9.4	1	1.2	0	0.332	0	2.598	0	7.827	0	2126	58	2.1
4665.6	10000	38.4621	94.8409	-221	QAL	3.9	1	9.3	1	1.2	0	0.314	0	2.314	0	7.378	0	2119	49	2.1
4665.7	10000	38.4621	94.8402	-247	QAL	3.8	1	9.2	1	1.2	0	0.305	0	2.258	0	7.402	0	2105	46	2.1
4665.8	10000	38.4621	94.8395	-273	QAL	3.9	1	9.2	1	1.2	0	0.311	0	2.286	0	7.346	0	2090	36	2.1
4665.9	10000	38.4621	94.8387	-298	QAL	3.9	1	9.0	1	1.2	0	0.323	0	2.412	0	7.475	0	2069	52	2.1
4666.0	10000	38.4621	94.8380	-321	QAL	3.8	1	9.2	1	1.2	0	0.308	0	2.303	0	7.468	0	2055	55	2.1
4666.1	10000	38.4621	94.8373	-343	QAL	3.7	1	9.2	1	1.2	0	0.293	-1	2.200	-1	7.521	0	2069	52	2.1
4666.2	10000	38.4621	94.8365	-364	QAL	3.9	1	9.0	1	1.2	0	0.321	0	2.285	0	7.128	0	2069	41	2.1
4666.3	10000	38.4621	94.8358	-383	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4666.4	10000	38.4621	94.8351	-400	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4666.5	10000	38.4621	94.8343	-416	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4666.6	10000	38.4621	94.8336	-430	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4666.7	10000	38.4621	94.8329	-443	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4666.8	10000	38.4621	94.8321	-456	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4666.9	10000	38.4621	94.8314	-467	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4667.0	10000	38.4621	94.8307	-477	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4667.1	10000	38.4620	94.8300	-487	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4667.2	10000	38.4620	94.8292	-495	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4667.3	10000	38.4620	94.8285	-503	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4667.4	10000	38.4620	94.8278	-512	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4667.5	10000	38.4620	94.8270	-519	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4667.6	10000	38.4620	94.8263	-526	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4667.7	10000	38.4620	94.8256	-533	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4667.8	10000	38.4620	94.8248	-539	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4667.9	10000	38.4620	94.8241	-546	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4668.0	10000	38.4620	94.8234	-552	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4668.1	10000	38.4620	94.8226	-558	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4668.2	10000	38.4620	94.8219	-563	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4668.3	10000	38.4620	94.8212	-568	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0
4668.4	10000	38.4620	94.8204	-574	QAL	3.9	1	9.2	1	1.2	0	0.362	0	2.506	0	6.923	0	2073	52	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4668.5	10000	38.4620	94.8197	-579	QAL	4.0	2	7.7	-1	0.7	-2	0.519	3	6.138	5	11.816	3	1802	49	1.9
4668.6	10000	38.4620	94.8190	-585	QAL	3.9	2	7.4	-1	0.7	-2	0.529	3	5.923	5	11.187	2	1806	45	1.8
4668.7	10000	38.4620	94.8182	-590	QAL	3.9	2	7.6	-1	0.7	-2	0.516	3	5.755	5	11.148	2	1808	50	1.8
4668.8	10000	38.4620	94.8175	-596	QAL	3.9	2	7.8	-1	0.7	-2	0.503	3	5.578	5	11.089	2	1818	54	1.8
4668.9	10000	38.4620	94.8168	-601	QAL	3.6	1	7.7	-1	0.7	-2	0.467	2	5.006	4	10.730	2	1807	41	1.8
4669.0	10000	38.4620	94.8160	-607	QAL	3.1	0	7.7	-1	0.8	-2	0.408	1	3.917	2	9.608	1	1807	51	1.8
4669.1	10000	38.4620	94.8153	-612	QAL	2.9	0	8.0	-1	0.9	-2	0.370	1	3.450	1	9.317	1	1833	46	1.8
4669.2	10000	38.4620	94.8146	-617	QAL	3.0	0	8.1	-1	0.9	-1	0.368	0	3.300	1	8.965	1	1879	55	1.8
4669.3	10000	38.4620	94.8138	-623	QAL	3.2	1	8.4	-1	0.9	-1	0.381	1	3.472	1	9.104	1	1911	39	1.8
4669.4	10000	38.4620	94.8131	-628	QAL	3.3	1	8.5	-1	1.0	-1	0.391	1	3.454	1	8.827	1	1954	44	1.8
4669.5	10000	38.4620	94.8124	-633	QAL	3.3	1	8.7	0	1.0	-1	0.383	1	3.245	1	8.467	1	1995	51	1.8
4669.6	10000	38.4619	94.8117	-638	QAL	3.5	1	9.2	0	1.1	-1	0.380	1	3.327	1	8.745	1	2039	41	1.8
4669.7	10000	38.4620	94.8109	-643	QAL	3.6	2	9.2	0	1.1	-1	0.395	1	3.428	1	8.679	1	2076	46	1.8
4669.8	10000	38.4619	94.8102	-648	QAL	3.9	2	9.1	0	1.0	-1	0.426	1	3.729	2	8.747	1	2084	37	1.8
4669.9	10000	38.4619	94.8095	-653	QAL	3.9	2	9.0	0	1.0	-1	0.434	1	3.869	2	8.905	1	2080	37	1.8
4670.0	10000	38.4619	94.8087	-658	QAL	3.7	2	9.6	0	1.0	-1	0.379	1	3.553	2	9.373	1	2097	51	1.8
4670.1	10000	38.4619	94.8080	-663	QAL	3.6	2	9.6	0	1.1	-1	0.373	1	3.376	1	9.040	1	2093	43	1.8
4670.2	10000	38.4619	94.8073	-667	QAL	3.9	2	9.3	0	1.0	-1	0.415	1	3.745	2	9.014	1	2095	54	1.8
4670.3	10000	38.4619	94.8065	-671	QAL	3.9	2	9.3	0	1.0	-1	0.426	1	3.968	2	9.304	1	2085	49	1.8
4670.4	10000	38.4619	94.8058	-675	PKC	4.0	2	9.7	0	1.0	-1	0.406	1	4.057	2	9.990	1	2087	42	1.8
4670.5	10000	38.4619	94.8051	-679	PKC	3.6	1	10.2	1	1.0	-1	0.354	1	3.523	1	9.939	1	2109	48	1.8
4670.6	10000	38.4619	94.8043	-683	PKC	3.4	1	10.6	1	1.1	0	0.319	-1	3.177	0	9.967	1	2121	56	1.8
4670.7	10000	38.4619	94.8036	-687	PKC	3.5	1	10.0	1	1.1	0	0.351	0	3.249	1	9.269	1	2141	43	1.8
4670.8	10000	38.4619	94.8029	-690	PKC	3.5	1	10.1	1	1.1	0	0.348	0	3.293	1	9.456	1	2152	46	1.8
4670.9	10000	38.4619	94.8021	-694	PKC	3.4	1	10.4	1	1.0	-1	0.327	0	3.296	0	10.075	1	2144	43	1.8
4671.0	10000	38.4619	94.8014	-696	PKC	3.5	1	10.3	1	1.1	0	0.339	0	3.335	1	9.838	1	2153	48	1.8
4671.1	10000	38.4619	94.8007	-698	PKC	3.7	1	10.1	1	1.1	0	0.362	0	3.477	1	9.601	1	2158	37	1.8
4671.2	10000	38.4619	94.7999	-701	PKC	4.1	1	9.9	1	1.1	0	0.417	1	4.006	1	9.608	1	2149	55	1.8
4671.3	10000	38.4619	94.7992	-705	PKC	4.0	1	9.9	1	1.1	0	0.411	1	4.033	1	9.964	1	2148	55	1.8
4671.4	10000	38.4619	94.7985	-708	PKC	4.2	1	9.9	1	1.1	0	0.429	1	4.107	1	9.183	1	2138	49	1.8
4671.5	10000	38.4619	94.7977	-711	PKC	4.3	1	9.9	1	1.1	0	0.400	1	4.563	1	11.058	1	2132	46	1.8
4671.6	10000	38.4619	94.7970	-713	PKC	4.2	1	9.9	1	1.1	0	0.384	1	4.587	1	10.689	1	2116	54	1.8
4671.7	10000	38.4619	94.7963	-714	PKC	4.0	1	9.9	1	1.1	0	0.356	1	4.590	1	11.482	1	2109	53	1.8
4671.8	10000	38.4619	94.7956	-716	PKC	3.8	1	9.9	1	1.1	0	0.332	1	4.141	1	10.795	1	2099	54	1.8
4671.9	10000	38.4619	94.7948	-718	PKC	3.8	1	9.9	1	1.1	0	0.371	1	4.076	1	10.278	1	2091	46	1.8
4672.0	10000	38.4619	94.7941	-720	PKC	3.7	1	9.9	1	1.1	0	0.400	1	4.032	1	10.233	1	2076	34	1.8
4672.1	10000	38.4619	94.7934	-722	PKC	3.6	1	9.9	1	1.1	0	0.384	1	4.022	1	10.609	1	2032	42	1.8
4672.2	10000	38.4619	94.7926	-723	PKC	3.5	1	9.9	1	1.1	0	0.397	1	4.013	1	10.025	1	2022	55	1.8
4672.3	10000	38.4619	94.7919	-724	PKC	3.5	1	9.9	1	1.1	0	0.380	1	4.012	1	10.237	1	2013	37	1.8
4672.4	10000	38.4619	94.7912	-726	PKC	3.5	1	9.9	1	1.1	0	0.400	1	4.015	1	10.265	1	2012	52	1.8
4672.5	10000	38.4619	94.7904	-727	PKC	3.5	1	9.9	1	1.1	0	0.474	1	4.017	1	10.285	1	2015	59	1.8
4672.6	10000	38.4619	94.7897	-728	PKC	3.5	1	9.9	1	1.1	0	0.465	1	4.015	1	10.545	1	2015	58	1.8
4672.7	10000	38.4619	94.7890	-727	PKC	3.5	1	9.9	1	1.1	0	0.459	1	4.015	1	10.676	1	1986	52	1.8
4672.8	10000	38.4619	94.7882	-726	PKC	3.5	1	9.9	1	1.1	0	0.450	1	4.015	1	10.450	1	1977	59	1.8
4672.9	10000	38.4619	94.7875	-725	PKC	3.5	1	9.9	1	1.1	0	0.544	1	4.015	1	10.544	1	1948	58	1.8
4673.0	10000	38.4619	94.7868	-726	PKC	3.5	1	9.9	1	1.1	0	0.550	1	4.015	1	10.711	1	1931	53	1.8
4673.1	10000	38.4619	94.7860	-727	PKC	3.5	1	9.9	1	1.1	0	0.551	1	4.015	1	10.693	1	1915	52	1.8
4673.2	10000	38.4619	94.7853	-725	PKC	3.5	1	9.9	1	1.1	0	0.551	1	4.015	1	10.693	1	1912	52	1.8
4673.3	10000	38.4619	94.7846	-723	PKC	3.5	1	9.9	1	1.1	0	0.551	1	4.015	1	10.693	1	1947	52	1.8
4673.4	10000	38.4619	94.7838	-721	PKC	3.5	1	9.9	1	1.1	0	0.551	1	4.015	1	10.693	1	1979	52	1.8
4673.5	10000	38.4618	94.7831	-719	PKC	3.5	1	9.9	1	1.1	0	0.551	1	4.015	1	10.693	1	2037	52	1.8
4673.6	10000	38.4618	94.7824	-719	PKC	3.5	1	9.9	1	1.1	0	0.551	1	4.015	1	10.693	1	2037	52	1.8

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4673.7	10000	38.4618	94.7816	-716	PKC	3.0	0	10.0	1	1.1	0	0.303	-1	2.632	0	8.688	0	2076	42	1.9
4673.8	10000	38.4618	94.7809	-714	PKC	3.1	0	10.3	1	1.2	0	0.298	-1	2.592	-1	8.697	0	2121	51	2.0
4673.9	10000	38.4618	94.7802	-710	PKC	3.2	0	10.4	1	1.2	1	0.311	-1	2.611	-1	8.393	0	2161	56	2.0
4674.0	10000	38.4618	94.7794	-708	PKC	3.2	0	10.5	1	1.3	1	0.303	-1	2.501	-1	8.265	0	2201	38	2.0
4674.1	10000	38.4618	94.7787	-706	PKC	3.3	0	10.4	1	1.3	1	0.316	-1	2.540	-1	8.036	0	2226	48	2.0
4674.2	10000	38.4618	94.7780	-704	PKC	3.4	0	10.4	1	1.3	1	0.321	0	2.512	-1	7.817	0	2272	44	2.0
4674.3	10000	38.4618	94.7773	-701	PKC	3.4	0	10.3	1	1.3	1	0.327	0	2.525	-1	7.729	0	2273	39	2.0
4674.4	10000	38.4618	94.7765	-698	PKC	3.9	1	10.7	1	1.3	1	0.362	0	2.935	0	8.100	0	2292	39	2.0
4674.5	10000	38.4618	94.7758	-695	PKC	3.8	1	11.0	1	1.3	1	0.344	0	2.840	0	8.257	0	2297	50	2.0
4674.6	10000	38.4618	94.7751	-692	PKC	3.5	0	11.0	1	1.3	1	0.314	-1	2.624	-1	8.345	0	2273	38	2.0
4674.7	10000	38.4618	94.7743	-689	PKC	3.5	0	11.2	1	1.3	1	0.310	-1	2.692	0	8.690	0	2256	69	2.0
4674.8	10000	38.4618	94.7736	-685	PKC	3.6	0	11.4	2	1.3	1	0.313	-1	2.755	0	8.807	0	2247	43	2.1
4674.9	10000	38.4617	94.7729	-682	PKC	3.7	0	11.1	1	1.3	1	0.330	0	2.868	0	8.683	0	2230	44	2.1
4675.0	10000	38.4617	94.7721	-678	PKC	3.3	0	11.2	1	1.3	1	0.293	-1	2.428	-1	8.275	0	2237	44	2.1
4675.1	10000	38.4617	94.7714	-675	PKC	3.0	-1	10.5	1	1.4	1	0.274	-1	2.114	-1	7.726	0	2242	44	2.1
4675.2	10000	38.4617	94.7707	-672	PKC	3.2	0	10.3	1	1.4	1	0.293	-1	2.189	-1	7.482	-1	2245	45	2.1
4675.3	10000	38.4617	94.7699	-668	PKC	3.3	0	10.3	1	1.3	1	0.318	-1	2.442	-1	7.684	-1	2264	47	2.1
4675.4	10000	38.4617	94.7692	-665	PKC	3.5	0	9.9	1	1.3	1	0.358	0	2.720	0	7.587	-1	2271	46	2.1
4675.5	10000	38.4617	94.7685	-661	PKC	3.5	0	10.0	1	1.3	1	0.354	0	2.731	0	7.717	0	2274	45	2.1
4675.6	10000	38.4617	94.7677	-658	PKC	3.3	0	10.4	1	1.3	1	0.316	-1	2.557	-1	8.089	0	2271	49	2.1
4675.7	10000	38.4617	94.7670	-655	PKC	3.5	0	10.5	1	1.2	1	0.330	0	2.825	0	8.547	0	2255	39	2.1
4675.8	10000	38.4617	94.7663	-651	PKC	3.6	0	10.7	1	1.2	1	0.338	0	2.986	0	8.828	1	2230	45	2.2
4675.9	10000	38.4617	94.7655	-647	PKC	3.6	0	11.1	1	1.2	1	0.321	0	3.113	0	9.685	1	2223	42	2.2
4676.0	10000	38.4617	94.7648	-644	PKC	3.6	0	10.9	1	1.2	1	0.335	0	3.123	0	9.335	1	2196	51	2.2
4676.1	10000	38.4617	94.7641	-640	PKC	3.4	0	11.1	1	1.2	1	0.305	-1	2.796	0	9.156	1	2195	46	2.2
4676.2	10000	38.4617	94.7634	-636	PKC	3.4	0	10.8	1	1.2	1	0.311	-1	2.866	0	9.207	1	2178	43	2.2
4676.3	10000	38.4617	94.7626	-632	PKC	3.4	0	10.8	1	1.1	1	0.317	-1	2.994	0	9.458	1	2175	42	2.2
4676.4	10000	38.4617	94.7619	-629	PKC	3.5	0	10.8	1	1.1	1	0.324	0	3.035	0	9.373	1	2188	40	2.2
4676.5	10000	38.4617	94.7612	-625	PKC	3.6	0	10.5	1	1.2	1	0.339	0	2.985	0	8.793	1	2211	47	2.2
4676.6	10000	38.4617	94.7604	-620	PKC	3.7	0	10.3	1	1.2	1	0.356	0	2.979	0	8.371	0	2220	54	2.2
4676.7	10000	38.4617	94.7597	-616	PKC	3.6	0	10.2	1	1.2	1	0.350	0	2.951	0	8.422	0	2234	48	2.2
4676.8	10000	38.4617	94.7590	-611	PKC	3.6	0	10.2	1	1.2	1	0.354	0	3.136	0	8.865	0	2226	41	2.2
4676.9	10000	38.4617	94.7582	-606	PKC	3.6	0	10.2	1	1.2	1	0.372	0	3.207	0	8.624	0	2235	47	2.2
4677.0	10000	38.4617	94.7575	-601	PKC	3.6	0	10.2	1	1.2	1	0.399	0	3.263	0	8.110	0	2235	44	2.2
4677.1	10000	38.4617	94.7568	-598	PKC	3.6	0	10.2	1	1.2	1	0.376	0	3.322	0	8.324	0	2221	47	2.2
4677.2	10000	38.4617	94.7560	-593	PKC	3.6	0	10.2	1	1.2	1	0.355	0	3.204	0	8.523	0	2209	35	2.2
4677.3	10000	38.4617	94.7553	-588	PKC	3.6	0	10.2	1	1.2	1	0.332	0	2.911	0	8.209	0	2192	45	2.2
4677.4	10000	38.4616	94.7546	-583	PKC	3.6	0	10.2	1	1.2	1	0.305	0	2.593	0	8.807	0	2193	43	2.2
4677.5	10000	38.4616	94.7538	-578	PKC	3.6	0	10.2	1	1.2	1	0.286	0	2.629	0	8.886	0	2193	50	2.2
4677.6	10000	38.4616	94.7531	-573	PKC	3.6	0	10.2	1	1.2	1	0.330	0	2.713	0	8.071	0	2187	44	2.2
4677.7	10000	38.4616	94.7524	-568	PKC	3.6	0	10.2	1	1.2	1	0.330	0	2.661	0	8.775	0	2166	45	2.2
4677.8	10000	38.4616	94.7516	-564	PKC	3.6	0	10.2	1	1.2	1	0.330	0	2.500	0	8.277	0	2151	43	2.2
4677.9	10000	38.4616	94.7509	-559	PKC	3.6	0	10.2	1	1.2	1	0.330	0	2.454	0	8.571	0	2109	45	2.2
4678.0	10000	38.4616	94.7502	-555	PKC	3.6	0	10.2	1	1.2	1	0.330	0	2.982	0	9.044	0	2068	44	2.2
4678.1	10000	38.4616	94.7495	-551	PKC	3.6	0	10.2	1	1.2	1	0.330	0	2.454	0	9.029	0	2020	44	2.2
4678.2	10000	38.4616	94.7487	-547	PKC	3.6	0	10.2	1	1.2	1	0.330	0	2.697	0	8.588	0	1984	53	2.2
4678.3	10000	38.4616	94.7480	-542	PKC	3.6	0	10.2	1	1.2	1	0.330	0	2.502	0	8.535	0	1953	38	2.2
4678.4	10000	38.4616	94.7473	-539	PKC	3.6	0	10.2	1	1.2	1	0.330	0	2.300	0	8.573	0	1952	52	2.2
4678.5	10000	38.4616	94.7465	-536	PKC	3.6	0	10.2	1	1.2	1	0.330	0	2.446	0	8.808	0	1955	47	2.2
4678.6	10000	38.4616	94.7458	-534	PKC	3.6	0	10.2	1	1.2	1	0.330	0	2.634	0	9.225	0	2000	44	2.2
4678.7	10000	38.4616	94.7451	-532	PKC	3.6	0	10.2	1	1.2	1	0.330	0	2.432	0	8.963	0	2039	39	2.2
4678.8	10000	38.4616	94.7444	-530	PKC	3.6	0	10.2	1	1.2	1	0.330	0	2.160	0	8.393	0	2096	47	2.2

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4678.9	10000	38.4616	94.7436	-527	PKC	3.4	0	9.8	0	1.2	0	0.353	0	2.950	0	8.362	0	2136	55	2.4
4679.0	10000	38.4616	94.7429	-526	PKC	3.5	0	10.1	1	1.2	1	0.348	0	2.808	0	8.075	0	2191	50	2.4
4679.1	10000	38.4616	94.7422	-524	PKC	3.6	1	10.0	1	1.2	1	0.359	0	2.893	0	8.063	0	2220	43	2.4
4679.2	10000	38.4616	94.7415	-523	PKC	3.4	0	10.1	1	1.3	1	0.341	0	2.747	0	8.057	0	2227	45	2.4
4679.3	10000	38.4617	94.7407	-522	PKC	3.3	0	10.7	1	1.2	0	0.314	-1	2.749	0	8.759	0	2225	43	2.4
4679.4	10000	38.4617	94.7400	-521	PKC	3.0	-1	10.5	1	1.2	0	0.285	-1	2.552	-1	8.949	0	2221	44	2.4
4679.5	10000	38.4617	94.7393	-521	PKC	3.2	0	10.3	1	1.2	0	0.313	-1	2.696	0	8.612	0	2199	54	2.4
4679.6	10000	38.4617	94.7386	-521	PKC	3.2	0	10.0	0	1.2	0	0.316	-1	2.675	0	8.452	0	2171	32	2.4
4679.7	10000	38.4617	94.7378	-521	PKC	3.1	0	10.1	1	1.1	0	0.311	-1	2.771	0	8.923	0	2148	41	2.4
4679.8	10000	38.4617	94.7371	-520	PKC	3.0	-1	10.1	1	1.1	0	0.293	-1	2.614	-1	8.935	0	2124	44	2.4
4679.9	10000	38.4617	94.7364	-520	PKC	2.9	-1	10.1	1	1.1	0	0.291	-1	2.672	0	9.168	1	2105	57	2.4
4680.0	10000	38.4617	94.7357	-519	PKC	2.8	-1	9.3	1	1.1	0	0.305	-1	2.575	-1	8.446	0	2082	35	2.4
4680.1	10000	38.4617	94.7349	-519	PKC	3.1	0	9.1	0	1.1	0	0.338	0	2.739	0	8.093	0	2070	41	2.4
4680.2	10000	38.4617	94.7342	-520	PKC	2.8	-1	9.1	1	1.1	0	0.301	-1	2.566	-1	8.520	0	2065	54	2.4
4680.3	10000	38.4617	94.7335	-521	PKC	2.9	-1	9.6	1	1.1	0	0.305	-1	2.618	-1	8.593	0	2085	41	2.4
4680.4	10000	38.4617	94.7328	-522	PKC	2.8	-1	9.2	0	1.1	0	0.303	-1	2.514	-1	8.311	0	2086	40	2.4
4680.5	10000	38.4617	94.7320	-523	PKC	3.0	-1	9.2	0	1.1	0	0.325	0	2.697	0	8.296	0	2101	44	2.4
4680.6	10000	38.4617	94.7313	-525	PKC	3.2	0	8.9	0	1.1	0	0.363	0	2.931	0	8.066	0	2116	31	2.3
4680.7	10000	38.4617	94.7306	-526	PKC	3.1	0	9.0	0	1.1	0	0.348	0	2.827	0	8.112	0	2115	50	2.3
4680.8	10000	38.4617	94.7299	-527	PKC	3.1	0	9.3	0	1.1	0	0.329	0	2.697	0	8.202	0	2126	48	2.3
4680.9	10000	38.4617	94.7291	-525	PKC	3.0	-1	9.9	0	1.2	-1	0.302	-1	2.510	-1	8.304	0	2137	50	2.3
4681.0	10000	38.4617	94.7284	-510	PKC	2.7	-1	9.7	1	1.2	-1	0.283	-1	2.217	-1	7.834	0	2142	43	2.3
4681.1	10000	38.4617	94.7277	-502	PKC	2.7	-1	9.9	1	1.2	-1	0.269	-1	2.149	-1	7.994	0	2141	44	2.3
4681.2	10000	38.4617	94.7269	-522	PKC	2.6	-1	9.8	1	1.2	-1	0.262	-1	2.090	-1	7.988	0	2138	44	2.3
4681.3	10000	38.4617	94.7262	-527	PKC	2.4	-2	9.9	1	1.2	-1	0.245	-1	1.968	-1	8.016	0	2133	43	2.3
4681.4	10000	38.4617	94.7255	-526	PKC	2.7	-1	9.6	1	1.3	-1	0.275	-1	2.093	-1	7.601	-1	2142	48	2.3
4681.5	10000	38.4617	94.7248	-524	PKC	2.8	-1	9.6	1	1.2	-1	0.298	-1	2.314	-1	7.757	0	2136	44	2.3
4681.6	10000	38.4617	94.7240	-522	PKC	3.1	0	9.3	1	1.2	0	0.337	0	2.524	-1	7.499	-1	2120	47	2.3
4681.7	10000	38.4617	94.7233	-519	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2120	45	2.3
4681.8	10000	38.4617	94.7226	-517	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2110	58	2.3
4681.9	10000	38.4618	94.7219	-515	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2111	35	2.3
4682.0	10000	38.4617	94.7211	-512	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2116	48	2.3
4682.1	10000	38.4618	94.7204	-509	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2120	34	2.3
4682.2	10000	38.4618	94.7197	-506	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2116	58	2.3
4682.3	10000	38.4618	94.7190	-504	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2104	55	2.3
4682.4	10000	38.4618	94.7182	-500	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2078	45	2.3
4682.5	10000	38.4618	94.7175	-497	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2077	49	2.3
4682.6	10000	38.4618	94.7168	-494	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2075	37	2.3
4682.7	10000	38.4618	94.7161	-490	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2059	40	2.3
4682.8	10000	38.4618	94.7153	-487	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2054	55	2.3
4682.9	10000	38.4618	94.7146	-483	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2052	54	2.3
4683.0	10000	38.4618	94.7139	-480	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2059	33	2.3
4683.1	10000	38.4618	94.7132	-476	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2084	33	2.3
4683.2	10000	38.4618	94.7124	-473	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2091	33	2.3
4683.3	10000	38.4618	94.7117	-470	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2106	33	2.3
4683.4	10000	38.4618	94.7110	-466	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2136	33	2.3
4683.5	10000	38.4618	94.7103	-464	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2158	33	2.3
4683.6	10000	38.4618	94.7095	-462	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2185	33	2.3
4683.7	10000	38.4618	94.7088	-460	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2214	33	2.3
4683.8	10000	38.4618	94.7081	-458	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2217	33	2.3
4683.9	10000	38.4618	94.7074	-455	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2242	33	2.3
4684.0	10000	38.4618	94.7066	-453	PKC	3.0	0	9.2	1	1.2	0	0.326	0	2.403	-1	7.365	-1	2264	33	2.3

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4684.1	10000	38.4618	94.7059	-450	PKC	3.8	1	11.2	2	1.2	0	0.335	0	3.145	0	9.392	1	2278	35	2.1
4684.2	10000	38.4618	94.7052	-448	PKC	3.7	1	10.9	1	1.2	1	0.340	0	3.024	0	8.896	0	2303	46	2.1
4684.3	10000	38.4618	94.7045	-451	PKC	3.7	1	11.0	1	1.3	1	0.334	0	2.911	0	8.703	0	2331	44	2.1
4684.4	10000	38.4618	94.7037	-459	PKC	4.0	1	11.0	1	1.2	1	0.367	0	3.246	0	8.842	0	2348	54	2.1
4684.5	10000	38.4618	94.7030	-460	PKC	3.9	1	11.4	2	1.3	1	0.341	0	3.057	0	8.968	0	2369	50	2.1
4684.6	10000	38.4618	94.7023	-460	PKC	3.7	1	11.9	2	1.3	1	0.309	-1	2.903	0	9.382	1	2377	40	2.1
4684.7	10000	38.4618	94.7016	-460	PKC	3.6	1	12.0	2	1.3	1	0.302	-1	2.819	0	9.323	1	2353	44	2.0
4684.8	10000	38.4618	94.7008	-458	PKC	3.8	1	12.2	2	1.3	1	0.309	-1	3.000	0	9.706	1	2336	48	2.0
4684.9	10000	38.4619	94.7001	-456	PKC	3.6	1	12.3	2	1.2	0	0.295	-1	3.076	0	10.421	2	2296	47	2.0
4685.0	10000	38.4618	94.6994	-453	PKC	3.5	0	12.3	2	1.2	0	0.286	-1	3.032	0	10.586	2	2246	57	2.0
4685.1	10000	38.4619	94.6987	-450	PKC	3.3	0	12.1	2	1.2	0	0.270	-1	2.757	0	10.194	1	2209	51	2.0
4685.2	10000	38.4619	94.6979	-447	PKC	3.2	0	11.5	2	1.2	0	0.280	-1	2.720	0	9.730	1	2147	45	2.0
4685.3	10000	38.4619	94.6972	-444	PKC	3.3	0	10.4	1	1.2	0	0.316	-1	2.751	0	8.711	0	2091	49	2.0
4685.4	10000	38.4619	94.6965	-442	PKC	3.1	0	10.2	1	1.1	0	0.305	-1	2.751	0	9.019	1	2051	45	2.0
4685.5	10000	38.4619	94.6958	-439	PKC	3.2	0	9.5	1	1.1	0	0.333	0	2.818	0	8.471	0	2005	52	2.0
4685.6	10000	38.4619	94.6950	-436	PKC	3.3	0	9.2	0	1.1	0	0.359	0	2.946	0	8.199	0	1984	45	2.0
4685.7	10000	38.4619	94.6943	-434	PKC	3.4	0	8.8	0	1.1	0	0.383	0	3.210	0	8.378	0	1960	52	2.0
4685.8	10000	38.4619	94.6936	-431	PKC	3.8	1	8.4	-1	1.0	-1	0.457	1	3.909	1	8.554	0	1939	50	2.0
4685.9	10000	38.4619	94.6929	-429	PKC	4.0	1	8.3	-1	0.9	-1	0.484	2	4.267	2	8.822	0	1936	58	2.0
4686.0	10000	38.4619	94.6921	-426	PKC	3.9	1	8.7	0	0.9	-1	0.449	1	4.307	2	9.593	1	1941	40	2.0
4686.1	10000	38.4619	94.6914	-424	PKC	4.0	1	8.9	0	0.9	-1	0.447	1	4.257	2	9.531	1	1952	52	2.0
4686.2	10000	38.4619	94.6907	-422	PKC	3.7	1	9.2	0	0.9	-1	0.399	0	4.109	2	10.308	2	1977	55	2.0
4686.3	10000	38.4619	94.6900	-419	PKC	3.8	1	9.2	0	0.9	-1	0.412	1	4.167	2	10.114	1	2000	46	1.9
4686.4	10000	38.4619	94.6892	-417	PKC	3.8	1	9.2	0	1.0	-1	0.416	1	3.865	1	9.300	1	2032	37	1.9
4686.5	10000	38.4619	94.6885	-414	PKC	3.6	1	9.3	0	1.0	-1	0.388	0	3.561	1	9.187	1	2036	46	1.9
4686.6	10000	38.4619	94.6878	-411	PKC	3.5	1	9.5	0	1.1	0	0.366	0	3.224	0	8.817	0	2053	50	1.9
4686.7	10000	38.4619	94.6871	-407	PKC	3.2	1	9.6	0	1.1	0	0.331	0	2.898	0	8.759	0	2058	49	1.9
4686.8	10000	38.4619	94.6863	-401	PKC	3.2	1	9.7	0	1.1	0	0.337	0	2.981	0	8.843	0	2072	46	1.9
4686.9	10000	38.4619	94.6856	-396	PKC	3.2	1	9.8	0	1.1	0	0.325	0	2.869	0	8.870	0	2084	38	1.9
4687.0	10000	38.4619	94.6849	-396	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.957	0	2101	46	1.9
4687.1	10000	38.4619	94.6842	-397	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2116	57	1.9
4687.2	10000	38.4619	94.6834	-395	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2185	34	1.9
4687.3	10000	38.4619	94.6827	-392	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2227	58	1.9
4687.4	10000	38.4619	94.6820	-390	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2280	49	1.9
4687.5	10000	38.4619	94.6813	-387	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2313	42	1.9
4687.6	10000	38.4619	94.6805	-385	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2334	54	1.9
4687.7	10000	38.4619	94.6798	-382	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2342	52	1.9
4687.8	10000	38.4619	94.6791	-380	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2345	40	1.9
4687.9	10000	38.4619	94.6783	-377	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2316	42	1.9
4688.0	10000	38.4620	94.6776	-375	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2297	46	1.9
4688.1	10000	38.4620	94.6769	-372	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2280	46	1.9
4688.2	10000	38.4620	94.6762	-370	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2269	45	1.9
4688.3	10000	38.4620	94.6754	-367	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2266	47	1.9
4688.4	10000	38.4620	94.6747	-365	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2271	40	1.9
4688.5	10000	38.4620	94.6740	-363	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2248	58	1.9
4688.6	10000	38.4620	94.6733	-360	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2255	46	1.9
4688.7	10000	38.4620	94.6725	-357	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2260	46	1.9
4688.8	10000	38.4620	94.6718	-355	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2231	45	1.9
4688.9	10000	38.4620	94.6711	-352	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2207	47	1.9
4689.0	10000	38.4620	94.6704	-349	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2200	45	1.9
4689.1	10000	38.4620	94.6696	-346	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2177	47	1.9
4689.2	10000	38.4620	94.6689	-343	PKC	3.2	1	9.9	0	1.1	0	0.325	0	2.869	0	8.924	0	2187	49	1.9

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4689.3	10000	38.4620	94.6682	-340	PKC	3.9	1	11.1	1	1.2	0	0.354	0	3.412	1	9.645	1	2173	40	1.9
4689.4	10000	38.4620	94.6675	-337	PKC	3.7	1	11.1	1	1.1	0	0.336	0	3.266	1	9.734	1	2169	53	1.9
4689.5	10000	38.4620	94.6667	-334	PKC	3.7	1	11.2	2	1.2	0	0.329	0	3.122	1	9.495	1	2183	59	1.9
4689.6	10000	38.4620	94.6660	-331	PKC	3.5	0	11.3	2	1.2	0	0.314	-1	2.957	0	9.422	1	2197	41	1.9
4689.7	10000	38.4620	94.6653	-328	PKC	3.5	0	11.3	2	1.2	0	0.313	-1	3.049	0	9.737	1	2189	50	1.9
4689.8	10000	38.4620	94.6646	-324	PKC	3.8	1	11.0	1	1.1	0	0.347	0	3.384	1	9.756	1	2184	46	1.9
4689.9	10000	38.4620	94.6638	-321	PKC	3.7	1	11.1	1	1.1	0	0.330	0	3.269	1	9.911	1	2183	32	1.9
4690.0	10000	38.4620	94.6631	-318	PKC	3.6	1	10.7	1	1.1	0	0.337	0	3.261	0	9.669	1	2180	38	1.9
4690.1	10000	38.4620	94.6624	-315	PKC	3.9	1	11.2	1	1.2	0	0.350	0	3.346	1	9.558	1	2192	53	1.9
4690.2	10000	38.4620	94.6617	-312	PKC	3.9	1	11.2	1	1.2	0	0.345	0	3.333	1	9.661	1	2216	55	1.9
4690.3	10000	38.4620	94.6609	-309	PKC	3.9	1	11.0	1	1.2	0	0.356	0	3.320	1	9.327	1	2231	41	1.9
4690.4	10000	38.4620	94.6602	-306	PKC	3.8	1	11.1	1	1.2	0	0.339	0	3.113	1	9.185	1	2256	45	1.9
4690.5	10000	38.4620	94.6595	-302	PKC	3.7	1	11.1	1	1.2	1	0.334	0	2.997	0	8.979	1	2270	46	1.9
4690.6	10000	38.4620	94.6588	-299	PKC	3.7	1	11.1	1	1.3	1	0.332	0	2.879	0	8.664	0	2287	49	1.9
4690.7	10000	38.4620	94.6580	-296	PKC	3.7	1	11.3	2	1.3	1	0.327	0	2.868	0	8.771	0	2308	44	1.9
4690.8	10000	38.4620	94.6573	-293	PKC	3.7	1	10.8	1	1.3	1	0.340	0	2.937	0	8.636	0	2322	44	1.9
4690.9	10000	38.4620	94.6566	-290	PKC	3.6	1	10.7	1	1.3	1	0.338	0	2.821	0	8.340	0	2318	44	1.9
4691.0	10000	38.4621	94.6559	-287	PKC	3.5	0	11.1	1	1.3	1	0.314	-1	2.759	0	8.783	0	2314	41	1.9
4691.1	10000	38.4621	94.6551	-283	PKC	3.8	1	10.7	1	1.3	1	0.352	0	2.916	0	8.274	0	2310	50	1.9
4691.2	10000	38.4621	94.6544	-280	PKC	3.8	1	10.8	1	1.3	1	0.352	0	2.968	0	8.435	0	2309	35	1.9
4691.3	10000	38.4621	94.6537	-276	PKC	4.1	1	10.7	1	1.2	1	0.381	0	3.247	0	8.526	0	2315	47	1.9
4691.4	10000	38.4621	94.6530	-273	PKC	3.9	1	10.6	1	1.3	1	0.366	0	3.052	0	8.337	0	2306	60	1.9
4691.5	10000	38.4621	94.6522	-269	PKC	3.7	1	10.8	1	1.3	1	0.341	0	2.926	0	8.581	0	2280	45	1.9
4691.6	10000	38.4621	94.6515	-265	PKC	3.6	1	11.0	1	1.2	1	0.328	0	2.983	0	9.084	1	2276	56	1.9
4691.7	10000	38.4621	94.6508	-260	PKC	3.8	1	10.8	1	1.3	1	0.352	0	3.022	0	8.591	0	2269	57	1.9
4691.8	10000	38.4621	94.6501	-256	PKC	3.7	1	11.5	2	1.2	1	0.322	0	3.053	0	9.492	1	2252	53	1.9
4691.9	10000	38.4621	94.6493	-252	PKC	3.5	1	11.4	2	1.3	1	0.300	-1	2.750	0	9.157	1	2240	36	1.9
4692.0	10000	38.4621	94.6486	-248	PKC	3.5	1	11.2	2	1.3	1	0.314	-1	2.750	0	9.021	1	2228	45	1.9
4692.1	10000	38.4621	94.6479	-243	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.163	1	2212	49	1.9
4692.2	10000	38.4621	94.6472	-240	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.539	1	2224	35	1.9
4692.3	10000	38.4621	94.6464	-236	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.378	1	2204	52	1.9
4692.4	10000	38.4621	94.6457	-232	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.250	1	2203	58	1.9
4692.5	10000	38.4621	94.6450	-227	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.975	1	2205	45	1.9
4692.6	10000	38.4621	94.6443	-223	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.422	1	2190	56	1.9
4692.7	10000	38.4621	94.6435	-219	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.276	1	2163	38	1.9
4692.8	10000	38.4621	94.6428	-215	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.889	1	2141	55	1.9
4692.9	10000	38.4621	94.6421	-210	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.141	1	2126	37	1.9
4693.0	10000	38.4621	94.6414	-205	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.696	1	2153	43	1.9
4693.1	10000	38.4621	94.6406	-201	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.645	1	2162	35	1.9
4693.2	10000	38.4621	94.6399	-196	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.526	1	2177	47	1.9
4693.3	10000	38.4621	94.6392	-192	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.093	1	2204	49	1.9
4693.4	10000	38.4621	94.6385	-187	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.057	1	2224	45	1.9
4693.5	10000	38.4621	94.6377	-183	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.126	1	2261	48	1.9
4693.6	10000	38.4621	94.6370	-180	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.154	1	2255	47	1.9
4693.7	10000	38.4621	94.6363	-175	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.656	1	2225	55	1.9
4693.8	10000	38.4620	94.6356	-171	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.171	1	2197	39	1.9
4693.9	10000	38.4620	94.6349	-168	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.458	1	2135	47	1.9
4694.0	10000	38.4620	94.6342	-163	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.466	1	2089	47	1.9
4694.1	10000	38.4620	94.6334	-159	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.686	1	2026	49	1.9
4694.2	10000	38.4620	94.6327	-155	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.012	1	1960	49	1.9
4694.3	10000	38.4620	94.6320	-150	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.049	1	1908	52	1.9
4694.4	10000	38.4620	94.6313	-146	PKC	3.5	1	11.2	2	1.3	1	0.313	-1	2.750	0	9.244	1	1871	52	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4694.5	10000	38.4619	94.6306	-141	PKC	3.1	0	7.4	-1	0.9	-2	0.421	1	3.629	1	8.611	0	1816	40	2.0
4694.6	10000	38.4619	94.6299	-136	PKC	2.9	-1	7.2	-2	0.9	-2	0.402	1	3.425	1	8.514	0	1795	53	2.0
4694.7	10000	38.4619	94.6291	-132	PKC	2.6	-1	7.2	-2	0.8	-2	0.367	0	3.225	0	8.785	0	1755	57	2.0
4694.8	10000	38.4619	94.6284	-127	PKC	2.9	-1	7.3	-2	0.8	-2	0.397	0	3.514	1	8.855	0	1748	50	2.0
4694.9	10000	38.4619	94.6277	-123	PKC	2.9	-1	6.9	-2	0.8	-2	0.423	1	3.671	1	8.678	0	1741	40	2.0
4695.0	10000	38.4619	94.6270	-119	PKC	3.0	0	7.2	-2	0.8	-2	0.426	1	3.821	1	8.969	0	1766	40	2.0
4695.1	10000	38.4618	94.6263	-114	PKC	2.9	-1	6.9	-2	0.8	-2	0.424	1	3.598	1	8.479	0	1784	45	2.0
4695.2	10000	38.4618	94.6255	-109	PKC	3.0	-1	7.1	-2	0.9	-1	0.413	1	3.357	1	8.123	0	1832	39	2.0
4695.3	10000	38.4618	94.6248	-104	PKC	2.9	-1	7.4	-2	0.9	-1	0.394	0	3.115	0	7.900	0	1856	33	2.0
4695.4	10000	38.4618	94.6241	-99	PKC	2.9	-1	7.9	-1	1.0	-1	0.370	0	3.001	0	8.116	0	1914	31	2.0
4695.5	10000	38.4618	94.6234	-93	PKC	2.8	-1	8.5	-1	1.0	-1	0.323	0	2.715	0	8.416	0	1962	47	2.0
4695.6	10000	38.4618	94.6227	-88	PKC	2.6	-1	8.9	0	1.1	0	0.296	-1	2.479	-1	8.377	0	2000	49	2.0
4695.7	10000	38.4617	94.6220	-83	PKC	2.9	-1	8.9	0	1.1	0	0.328	0	2.598	-1	7.913	0	2020	54	2.0
4695.8	10000	38.4617	94.6212	-78	PKC	3.1	0	9.0	0	1.1	0	0.348	0	2.726	0	7.834	0	2023	40	2.0
4695.9	10000	38.4617	94.6205	-72	PKC	3.2	0	8.6	-1	1.1	0	0.378	0	3.000	0	7.943	0	1989	47	2.0
4696.0	10000	38.4617	94.6198	-66	PKC	3.3	0	8.5	-1	1.0	0	0.390	0	3.150	0	8.081	0	1977	37	2.0
4696.1	10000	38.4617	94.6191	-59	PKC	3.5	0	7.7	-1	1.0	-1	0.456	1	3.497	1	7.668	-1	1928	47	2.0
4696.2	10000	38.4617	94.6184	-53	PKC	3.5	0	7.3	-2	1.0	-1	0.487	2	3.622	1	7.444	-1	1886	47	2.0
4696.3	10000	38.4617	94.6177	-47	PKC	3.5	0	7.6	-1	0.9	-1	0.464	1	3.727	1	8.034	0	1877	50	2.0
4696.4	10000	38.4616	94.6169	-40	PKC	3.0	-1	7.7	-1	0.9	-1	0.392	0	3.269	0	8.332	0	1867	50	2.0
4696.5	10000	38.4616	94.6162	-32	PKC	3.1	0	7.9	-1	0.9	-1	0.390	0	3.301	0	8.457	0	1883	43	2.0
4696.6	10000	38.4616	94.6155	-24	PKC	2.9	-1	8.6	-1	1.0	-1	0.337	0	2.973	0	8.817	0	1916	47	2.0
4696.7	10000	38.4616	94.6148	-17	PKC	2.6	-1	8.7	0	1.0	-1	0.301	-1	2.563	-1	8.519	0	1932	46	2.0
4696.8	10000	38.4616	94.6141	-11	PKC	2.8	-1	9.3	0	1.1	0	0.303	-1	2.653	0	8.750	0	1965	55	2.0
4696.9	10000	38.4616	94.6133	-5	PKC	2.6	-1	9.4	0	1.1	0	0.280	-1	2.398	-1	8.552	0	1991	59	2.0
4697.0	10000	38.4616	94.6126	3	PKC	2.7	-1	9.3	0	1.1	0	0.294	-1	2.415	-1	8.219	0	1987	37	2.0
4697.1	10000	38.4615	94.6119	12	PKC	2.9	-1	9.3	0	1.1	0	0.312	-1	2.574	-1	8.264	0	1976	65	2.0
4697.2	10000	38.4615	94.6112	19	PKC	2.7	-1	9.2	0	1.1	0	0.294	-1	2.505	-1	8.522	0	1961	37	2.0
4697.3	10000	38.4615	94.6105	27	PKC	2.6	-1	8.8	0	1.1	0	0.293	-1	2.479	-1	8.470	0	1961	47	2.0
4697.4	10000	38.4615	94.6098	34	PKC	3.0	-1	9.2	0	1.1	0	0.339	-1	2.869	-1	8.453	0	1996	44	2.0
4697.5	10000	38.4615	94.6090	42	PKC	3.0	-1	9.0	0	1.1	0	0.337	-1	2.859	-1	8.880	0	2021	39	2.0
4697.6	10000	38.4615	94.6083	49	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.072	0	2039	59	2.0
4697.7	10000	38.4614	94.6076	57	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.060	0	2051	47	2.0
4697.8	10000	38.4614	94.6069	64	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.207	0	2060	48	2.0
4697.9	10000	38.4614	94.6062	71	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.867	0	2060	56	2.0
4698.0	10000	38.4614	94.6055	77	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.916	0	2054	45	2.0
4698.1	10000	38.4614	94.6047	83	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.959	0	2003	43	2.0
4698.2	10000	38.4614	94.6040	90	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.324	0	1944	44	2.0
4698.3	10000	38.4614	94.6033	95	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.070	0	1909	61	2.0
4698.4	10000	38.4613	94.6026	101	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.881	0	1914	36	2.0
4698.5	10000	38.4613	94.6019	106	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.697	0	1940	36	2.0
4698.6	10000	38.4613	94.6012	111	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.656	0	1963	49	2.0
4698.7	10000	38.4613	94.6004	116	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.605	0	1982	38	2.0
4698.8	10000	38.4613	94.5997	121	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.000	0	2021	42	2.0
4698.9	10000	38.4613	94.5990	127	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.084	0	2078	54	2.0
4699.0	10000	38.4612	94.5983	132	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.502	0	2127	43	2.0
4699.1	10000	38.4612	94.5976	136	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.831	0	2165	55	2.0
4699.2	10000	38.4612	94.5968	138	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.871	0	2172	45	2.0
4699.3	10000	38.4612	94.5961	142	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.387	0	2177	50	2.0
4699.4	10000	38.4612	94.5954	146	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.556	0	2184	41	2.0
4699.5	10000	38.4612	94.5947	150	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.525	0	2194	44	2.0
4699.6	10000	38.4612	94.5940	153	PKC	3.0	-1	8.8	0	1.1	0	0.339	-1	2.869	-1	8.488	0	2205	44	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4699.7	10000	38.4611	94.5933	157	PKC	3.5	0	10.9	1	1.2	0	0.325	0	3.058	0	9.411	1	2213	44	2.1
4699.8	10000	38.4611	94.5925	161	PKC	3.5	0	11.0	1	1.2	0	0.318	-1	2.958	0	9.298	1	2202	55	2.1
4699.9	10000	38.4611	94.5918	164	PKC	3.5	0	10.7	1	1.1	0	0.325	0	3.060	0	9.411	1	2200	46	2.1
4700.0	10000	38.4611	94.5911	167	PKC	3.6	1	10.4	1	1.2	0	0.346	0	3.097	0	8.946	0	2205	55	2.1
4700.1	10000	38.4611	94.5904	169	PKC	3.6	1	10.6	1	1.2	0	0.340	0	3.049	0	8.979	1	2216	50	2.1
4700.2	10000	38.4611	94.5897	172	PKC	3.3	0	10.1	1	1.2	0	0.330	0	2.773	0	8.410	0	2215	42	2.1
4700.3	10000	38.4610	94.5890	174	PKC	3.1	0	9.8	1	1.2	0	0.312	-1	2.646	0	8.485	0	2178	47	2.1
4700.4	10000	38.4610	94.5882	177	PKC	3.1	0	9.6	1	1.1	0	0.321	0	2.693	0	8.379	0	2152	30	2.1
4700.5	10000	38.4610	94.5875	179	PKC	2.9	-1	9.6	1	1.1	0	0.301	-1	2.661	0	8.854	0	2133	44	2.1
4700.6	10000	38.4610	94.5868	181	PKC	2.8	-1	10.0	1	1.1	0	0.281	-1	2.587	-1	9.222	1	2110	56	2.1
4700.7	10000	38.4610	94.5861	182	PKC	2.9	-1	9.8	1	1.0	-1	0.291	-1	2.738	0	9.418	1	2093	48	2.1
4700.8	10000	38.4610	94.5854	185	PKC	2.8	-1	9.6	1	1.1	0	0.289	-1	2.593	-1	8.973	0	2060	46	2.1
4700.9	10000	38.4610	94.5846	186	PKC	2.9	-1	9.4	1	1.0	-1	0.303	-1	2.767	0	9.140	1	2039	42	2.1
4701.0	10000	38.4609	94.5839	189	PKC	3.1	0	9.5	1	1.0	-1	0.322	0	2.938	0	9.138	1	2040	54	2.1
4701.1	10000	38.4609	94.5832	190	PKC	3.0	-1	9.7	1	1.0	-1	0.305	-1	2.853	0	9.249	1	2043	49	2.1
4701.2	10000	38.4609	94.5825	192	PKC	3.0	-1	9.8	1	1.1	0	0.303	-1	2.720	0	8.969	0	2051	48	2.1
4701.3	10000	38.4609	94.5818	193	PKC	3.0	-1	10.0	1	1.0	0	0.299	-1	2.859	0	9.551	1	2050	41	2.1
4701.4	10000	38.4609	94.5811	195	PKC	2.9	-1	9.8	1	1.0	0	0.296	-1	2.755	0	9.295	1	2046	47	2.1
4701.5	10000	38.4609	94.5803	195	PKC	3.1	0	10.0	1	1.0	-1	0.314	-1	3.141	0	10.015	1	2052	54	2.1
4701.6	10000	38.4608	94.5796	196	PKC	3.1	0	9.9	1	1.0	-1	0.311	-1	3.109	0	9.996	1	2048	49	2.1
4701.7	10000	38.4608	94.5789	196	PKC	3.0	-1	10.2	1	1.0	-1	0.291	-1	3.057	0	10.513	2	2054	53	2.1
4701.8	10000	38.4608	94.5782	195	PKC	3.3	0	9.9	1	1.0	-1	0.334	0	3.416	1	10.214	1	2061	39	2.1
4701.9	10000	38.4608	94.5775	194	PKC	3.3	0	9.5	1	1.0	-1	0.347	0	3.436	1	9.905	1	2048	52	2.1
4702.0	10000	38.4608	94.5768	193	PKC	3.3	0	8.9	1	1.0	-1	0.370	0	3.180	0	8.602	0	2055	41	2.1
4702.1	10000	38.4608	94.5760	192	PKC	3.3	0	9.4	1	1.1	0	0.350	0	3.065	0	8.765	0	2073	51	2.1
4702.2	10000	38.4608	94.5753	191	PKC	3.3	0	9.5	1	1.1	0	0.331	0	2.940	0	8.878	0	2080	51	2.1
4702.3	10000	38.4607	94.5746	189	PKC	3.2	0	9.9	1	1.1	0	0.320	0	2.844	0	8.878	0	2111	41	2.1
4702.4	10000	38.4607	94.5739	187	PKC	3.2	0	9.9	1	1.1	0	0.338	0	2.900	0	8.582	0	2139	39	2.1
4702.5	10000	38.4607	94.5732	185	PKC	3.2	0	9.9	1	1.1	0	0.325	0	2.877	0	8.465	0	2136	48	2.1
4702.6	10000	38.4607	94.5724	182	PKC	3.2	0	9.9	1	1.1	0	0.334	0	2.877	0	8.859	0	2148	34	2.1
4702.7	10000	38.4607	94.5717	179	PKC	3.2	0	9.9	1	1.1	0	0.337	0	2.877	0	8.853	0	2172	55	2.1
4702.8	10000	38.4607	94.5710	175	PKC	3.2	0	9.9	1	1.1	0	0.332	0	2.877	0	8.859	0	2172	47	2.1
4702.9	10000	38.4606	94.5703	172	PKC	3.2	0	9.9	1	1.1	0	0.339	0	2.877	0	8.859	0	2182	43	2.1
4703.0	10000	38.4606	94.5696	168	PKC	3.2	0	9.9	1	1.1	0	0.335	0	2.877	0	8.859	0	2167	52	2.1
4703.1	10000	38.4606	94.5689	163	PKC	3.2	0	9.9	1	1.1	0	0.330	0	2.877	0	8.859	0	2153	43	2.1
4703.2	10000	38.4606	94.5681	158	PKC	3.2	0	9.9	1	1.1	0	0.327	0	2.877	0	8.859	0	2164	42	2.1
4703.3	10000	38.4606	94.5674	153	PKC	3.2	0	9.9	1	1.1	0	0.323	0	2.877	0	8.859	0	2162	44	2.1
4703.4	10000	38.4606	94.5667	148	PKC	3.2	0	9.9	1	1.1	0	0.323	0	2.877	0	8.859	0	2163	50	2.1
4703.5	10000	38.4606	94.5660	142	PKC	3.2	0	9.9	1	1.1	0	0.323	0	2.877	0	8.859	0	2164	48	2.1
4703.6	10000	38.4605	94.5653	136	PKC	3.2	0	9.9	1	1.1	0	0.323	0	2.877	0	8.859	0	2178	42	2.1
4703.7	10000	38.4605	94.5646	131	PKC	3.2	0	9.9	1	1.1	0	0.323	0	2.877	0	8.859	0	2206	47	2.1
4703.8	10000	38.4605	94.5638	125	PKC	3.2	0	9.9	1	1.1	0	0.323	0	2.877	0	8.859	0	2229	50	2.1
4703.9	10000	38.4605	94.5631	120	PKC	3.2	0	9.9	1	1.1	0	0.323	0	2.877	0	8.859	0	2274	48	2.1
4704.0	10000	38.4605	94.5624	114	PKC	3.2	0	9.9	1	1.1	0	0.323	0	2.877	0	8.859	0	2309	46	2.1
4704.1	10000	38.4605	94.5617	108	PKC	3.2	0	9.9	1	1.1	0	0.323	0	2.877	0	8.859	0	2332	43	2.1
4704.2	10000	38.4604	94.5610	102	PKC	3.2	0	9.9	1	1.1	0	0.323	0	2.877	0	8.859	0	2356	45	2.1
4704.3	10000	38.4604	94.5603	96	PKC	3.2	0	9.9	1	1.1	0	0.323	0	2.877	0	8.859	0	2365	38	2.1
4704.4	10000	38.4604	94.5595	88	PKC	3.2	0	9.9	1	1.1	0	0.323	0	2.877	0	8.859	0	2352	47	2.1
4704.5	10000	38.4604	94.5588	82	PKC	3.2	0	9.9	1	1.1	0	0.323	0	2.877	0	8.859	0	2309	50	2.1
4704.6	10000	38.4604	94.5581	75	PKC	3.2	0	9.9	1	1.1	0	0.323	0	2.877	0	8.859	0	2248	56	2.1
4704.7	10000	38.4604	94.5574	67	PKC	3.2	0	9.9	1	1.1	0	0.323	0	2.877	0	8.859	0	2179	53	2.1
4704.8	10000	38.4604	94.5567	60	PKC	3.2	0	9.9	1	1.1	0	0.323	0	2.877	0	8.859	0	2089	53	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4704.9	10000	38.4603	94.5559	52	PKC	3.4	0	9.1	0	1.0	-1	0.377	0	3.544	1	9.392	1	2020	56	2.0
4705.0	10000	38.4603	94.5552	44	PKC	2.9	-1	8.3	-1	0.9	-1	0.354	0	3.126	0	8.828	0	1946	39	2.0
4705.1	10000	38.4603	94.5545	37	PKC	3.0	-1	7.8	-1	0.9	-1	0.380	0	3.393	1	8.933	0	1886	50	2.0
4705.2	10000	38.4603	94.5538	29	PKC	3.1	0	8.0	-1	0.8	-2	0.386	0	3.690	1	9.570	1	1868	42	2.0
4705.3	10000	38.4603	94.5531	21	PKC	3.2	0	8.0	-1	0.8	-2	0.398	0	3.878	1	9.753	1	1851	45	2.0
4705.4	10000	38.4603	94.5524	13	PKC	3.3	0	8.0	-1	0.8	-2	0.413	1	4.091	2	9.897	1	1859	51	2.0
4705.5	10000	38.4602	94.5516	6	PKC	3.4	0	7.9	-1	0.8	-2	0.426	1	3.987	1	9.368	1	1884	38	2.0
4705.6	10000	38.4602	94.5509	-2	PKC	3.2	0	8.6	-1	0.8	-2	0.375	0	3.793	1	10.117	1	1889	46	2.0
4705.7	10000	38.4602	94.5502	-9	PKC	3.3	0	8.8	0	0.9	-2	0.376	0	3.815	1	10.151	1	1896	59	2.0
4705.8	10000	38.4602	94.5495	-17	PKC	3.2	0	9.1	0	0.9	-1	0.356	0	3.542	1	9.961	1	1915	55	2.0
4705.9	10000	38.4602	94.5488	-25	PKC	2.9	-1	9.0	0	1.0	-1	0.321	0	3.039	0	9.480	1	1944	54	2.0
4706.0	10000	38.4602	94.5480	-33	PKC	3.0	-1	9.6	0	1.0	-1	0.310	-1	2.949	0	9.527	1	2005	47	2.0
4706.1	10000	38.4601	94.5473	-42	PKC	2.9	-1	10.0	1	1.1	0	0.291	-1	2.769	0	9.526	1	2057	45	2.0
4706.2	10000	38.4601	94.5466	-50	PKC	2.9	-1	10.4	1	1.1	0	0.283	-1	2.625	-1	9.259	1	2122	53	2.0
4706.3	10000	38.4601	94.5459	-58	PKC	3.0	-1	10.2	1	1.2	0	0.293	-1	2.506	-1	8.565	0	2190	50	2.0
4706.4	10000	38.4601	94.5452	-66	PKC	3.0	-1	10.9	1	1.3	1	0.276	-1	2.363	-1	8.572	0	2285	55	2.0
4706.5	10000	38.4601	94.5445	-74	PKC	3.1	0	11.3	2	1.4	1	0.276	-1	2.291	-1	8.301	0	2367	42	2.0
4706.6	10000	38.4601	94.5437	-83	PKC	3.3	0	12.0	2	1.4	2	0.280	-1	2.358	-1	8.432	0	2429	43	2.0
4706.7	10000	38.4600	94.5430	-91	PKC	3.2	0	11.8	2	1.5	2	0.273	-1	2.147	-1	7.879	0	2467	54	2.0
4706.8	10000	38.4600	94.5423	-100	PKC	3.4	0	12.1	2	1.6	3	0.280	-1	2.140	-1	7.631	-1	2499	48	2.0
4706.9	10000	38.4600	94.5416	-108	PKC	3.6	1	12.1	2	1.6	3	0.300	-1	2.261	-1	7.536	-1	2521	49	2.0
4707.0	10000	38.4600	94.5409	-117	PKC	4.0	1	12.2	2	1.6	3	0.327	0	2.486	-1	7.611	-1	2522	38	2.0
4707.1	10000	38.4600	94.5402	-125	PKC	4.1	1	11.7	2	1.6	2	0.349	0	2.612	-1	7.482	-1	2515	40	2.0
4707.2	10000	38.4600	94.5394	-133	PKC	4.1	1	11.6	2	1.5	2	0.350	0	2.727	0	7.783	0	2497	60	2.0
4707.3	10000	38.4600	94.5387	-142	PKC	4.0	1	11.4	2	1.5	2	0.349	0	2.744	0	7.853	0	2464	41	2.0
4707.4	10000	38.4599	94.5380	-150	PKC	4.5	2	11.1	2	1.4	1	0.402	1	3.209	0	7.985	0	2416	46	2.0
4707.5	10000	38.4599	94.5373	-157	PKC	4.3	2	10.8	2	1.3	1	0.401	1	3.317	0	8.272	0	2387	61	2.0
4707.6	10000	38.4599	94.5366	-165	PKC	4.2	1	10.4	2	1.2	1	0.422	1	3.398	1	8.058	0	2340	41	2.0
4707.7	10000	38.4599	94.5359	-173	PKC	4.1	1	10.5	2	1.2	1	0.391	1	3.356	1	8.579	0	2323	42	2.0
4707.8	10000	38.4599	94.5351	-180	PKC	4.0	1	10.2	2	1.1	1	0.379	1	3.312	1	8.736	0	2278	46	2.0
4707.9	10000	38.4599	94.5344	-188	PKC	3.9	1	10.4	2	1.1	1	0.383	1	3.407	1	8.895	0	2247	47	2.0
4708.0	10000	38.4598	94.5337	-195	PKC	3.8	1	10.6	2	1.1	1	0.362	1	3.376	1	9.323	0	2218	46	2.0
4708.1	10000	38.4598	94.5330	-202	PKC	4.4	1	10.6	2	1.1	1	0.319	1	3.072	1	9.620	0	2192	55	2.0
4708.2	10000	38.4598	94.5323	-208	PKC	4.1	1	10.3	2	1.0	1	0.315	1	3.138	1	9.957	0	2151	48	2.0
4708.3	10000	38.4598	94.5316	-215	PKC	4.1	1	10.7	2	1.0	1	0.277	1	3.027	1	9.914	0	2128	41	2.0
4708.4	10000	38.4598	94.5308	-222	PKC	4.1	1	10.7	2	1.0	1	0.291	1	3.056	1	9.506	0	2099	34	2.0
4708.5	10000	38.4598	94.5301	-227	PKC	4.1	1	10.7	2	1.0	1	0.300	1	3.230	1	9.756	0	2076	46	2.0
4708.6	10000	38.4597	94.5294	-233	PKC	4.0	1	10.7	2	1.0	1	0.283	1	3.127	1	9.036	0	2057	47	2.0
4708.7	10000	38.4597	94.5287	-239	PKC	4.0	1	10.2	2	1.0	1	0.328	1	3.573	1	8.893	0	2048	49	2.0
4708.8	10000	38.4597	94.5280	-245	PKC	4.0	1	10.1	2	1.0	1	0.333	1	3.875	1	8.650	0	2029	37	2.0
4708.9	10000	38.4597	94.5272	-251	PKC	4.0	1	9.8	2	0.9	1	0.374	1	4.147	1	8.104	0	2019	44	2.0
4709.0	10000	38.4597	94.5265	-256	PKC	4.0	1	9.6	2	0.9	1	0.386	1	4.008	1	8.393	0	2010	41	2.0
4709.1	10000	38.4597	94.5258	-261	PKC	4.0	1	9.9	2	0.9	1	0.350	1	3.597	1	8.290	0	2019	54	2.0
4709.2	10000	38.4596	94.5251	-266	PKC	4.2	1	9.9	2	0.9	1	0.325	1	3.265	1	8.040	0	2041	34	2.0
4709.3	10000	38.4597	94.5244	-271	PKC	4.3	1	9.9	2	0.9	1	0.354	1	3.267	1	8.234	0	2052	45	2.0
4709.4	10000	38.4597	94.5237	-276	PKC	4.1	1	9.5	2	0.9	1	0.322	1	3.718	1	8.438	0	2075	43	2.0
4709.5	10000	38.4597	94.5229	-281	PKC	4.1	1	9.6	2	0.9	1	0.322	1	3.546	1	8.887	0	2087	49	2.0
4709.6	10000	38.4597	94.5222	-286	PKC	4.1	1	9.5	2	0.9	1	0.324	1	3.409	1	8.477	0	2107	68	2.0
4709.7	10000	38.4597	94.5215	-291	PKC	4.1	1	9.5	2	0.9	1	0.346	1	3.471	1	7.621	-1	2112	33	2.0
4709.8	10000	38.4597	94.5208	-295	PKC	4.1	1	9.5	2	0.9	1	0.405	1	3.630	1	7.608	-1	2115	46	2.0
4709.9	10000	38.4597	94.5201	-299	PKC	3.7	1	9.1	2	0.9	1	0.393	1	3.987	1	7.370	-1	2115	39	2.0
4710.0	10000	38.4597	94.5193	-304	PKC	3.5	1	9.0	2	0.9	1	0.393	1	3.840	1	7.233	-1	2107	47	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
4710.1	10000	38.4597	94.5186	-308	PKC	3.6	1	9.2	0	1.2	0	0.396	0	3.033	0	7.664	-1	2102	38	2.0
4710.2	10000	38.4597	94.5179	-311	PP	3.8	1	9.1	0	1.1	0	0.412	0	3.283	0	7.973	0	2101	50	2.0
4710.3	10000	38.4597	94.5172	-315	PP	3.3	0	9.4	0	1.1	0	0.355	0	3.040	0	8.553	0	2101	49	2.0
4710.4	10000	38.4597	94.5164	-319	PP	3.4	0	9.5	0	1.1	0	0.364	0	3.170	0	8.700	0	2101	45	2.1
4710.5	10000	38.4597	94.5157	-322	PP	3.3	0	9.3	0	1.1	0	0.353	0	2.991	0	8.483	0	2092	45	2.1
4710.6	10000	38.4597	94.5150	-326	PP	3.3	0	9.6	0	1.1	0	0.340	0	3.083	0	9.069	1	2063	34	2.1
4710.7	10000	38.4598	94.5143	-329	PP	3.4	1	9.8	1	1.0	-1	0.343	0	3.377	0	9.855	1	2061	42	2.1
4710.8	10000	38.4598	94.5136	-331	PP	3.4	1	9.9	1	1.0	-1	0.342	0	3.442	1	10.052	1	2057	46	2.1
4710.9	10000	38.4598	94.5128	-334	PP	3.4	1	9.9	1	1.0	-1	0.340	0	3.374	0	9.909	1	2064	47	2.1
4711.0	10000	38.4598	94.5121	-337	PP	3.6	1	9.6	1	1.0	-1	0.378	0	3.639	1	9.634	1	2056	29	2.1
4711.1	10000	38.4598	94.5114	-339	PM	3.5	0	9.5	0	1.0	0	0.375	0	3.385	0	9.032	0	2059	47	2.1
4711.2	10000	38.4598	94.5107	-342	PM	3.8	1	9.4	0	1.1	0	0.400	1	3.572	1	8.935	0	2070	41	2.1
4711.3	10000	38.4598	94.5100	-345	PM	3.8	1	9.3	0	1.1	0	0.407	1	3.358	0	8.250	0	2084	37	2.1
4711.4	10000	38.4598	94.5092	-347	PM	3.7	1	9.2	1	1.2	1	0.399	1	3.183	0	7.970	-1	2090	50	2.1
4711.5	10000	38.4598	94.5085	-350	PM	3.6	1	9.1	1	1.2	1	0.394	1	3.032	0	7.691	-1	2093	54	2.1
4711.6	10000	38.4598	94.5078	-351	PM	3.4	1	9.1	1	1.2	1	0.371	0	2.871	0	7.739	-1	2094	45	2.1
4711.7	10000	38.4598	94.5071	-350	PM	3.4	1	9.5	1	1.2	1	0.360	0	2.803	0	7.781	-1	2117	48	2.1
4711.8	10000	38.4598	94.5064	-352	PM	3.3	0	9.4	0	1.2	1	0.354	0	2.767	-1	7.817	-1	2130	56	2.1
4711.9	10000	38.4598	94.5056	-357	PM	3.4	1	9.7	1	1.2	1	0.344	0	2.793	0	8.110	-1	2151	48	2.1
4712.0	10000	38.4598	94.5049	-360	PM	3.1	-1	10.1	1	1.2	1	0.303	-1	2.603	-1	8.599	0	2174	37	2.1
4712.1	10000	38.4598	94.5042	-362	PM	3.0	-1	10.5	1	1.2	1	0.284	-1	2.522	-1	8.886	0	2207	50	2.1
4712.2	10000	38.4598	94.5035	-364	PM	3.2	0	10.6	1	1.3	1	0.298	-1	2.533	-1	8.515	0	2234	38	2.1
4712.3	10000	38.4599	94.5028	-365	PM	3.2	0	10.7	1	1.3	1	0.302	-1	2.505	-1	8.286	0	2253	50	2.1
4712.4	10000	38.4599	94.5020	-366	PP	2.9	-1	10.4	1	1.3	1	0.283	-1	2.228	-1	7.873	0	2248	38	2.1
4712.5	10000	38.4599	94.5013	-367	PP	3.1	0	10.9	2	1.4	1	0.284	-1	2.278	-1	8.010	0	2265	34	2.1
4712.6	10000	38.4599	94.5006	-367	PP	3.0	-1	10.3	1	1.4	2	0.288	-1	2.164	-1	7.516	-1	2261	57	2.2
4712.7	10000	38.4599	94.4999	-367	PP	3.1	0	10.5	1	1.4	1	0.299	-1	2.315	-1	7.738	0	2265	45	2.2
4712.8	10000	38.4599	94.4992	-367	PP	3.3	0	10.3	2	1.4	1	0.335	-1	2.537	-1	7.563	0	2246	50	2.2
4712.9	10000	38.4599	94.4984	-367	PP	3.2	0	10.3	2	1.3	1	0.321	-1	2.575	-1	8.024	0	2222	46	2.2
4713.0	10000	38.4599	94.4977	-367	PP	3.1	0	10.3	3	1.2	1	0.296	-1	2.466	-1	8.329	0	2191	45	2.2
4713.1	10000	38.4599	94.4970	-366	PP	3.1	0	10.4	3	1.2	1	0.323	-1	2.878	-1	8.908	0	2180	50	2.2
4713.2	10000	38.4599	94.4963	-365	PP	3.1	0	10.5	3	1.1	1	0.293	-1	2.825	-1	9.628	0	2140	39	2.2
4713.3	10000	38.4599	94.4956	-364	PP	3.0	-1	10.8	2	1.0	0	0.279	-1	2.918	-1	10.464	0	2094	48	2.2
4713.4	10000	38.4599	94.4948	-363	PP	2.9	-1	10.2	2	1.0	0	0.286	-1	2.892	-1	10.099	0	2054	45	2.2
4713.5	10000	38.4599	94.4941	-363	PP	2.9	-1	10.2	2	1.0	0	0.258	-1	2.671	-1	10.352	0	2029	52	2.2
4713.6	10000	38.4599	94.4934	-362	PP	2.9	-1	9.8	2	1.0	0	0.266	-1	2.872	-1	10.818	0	1998	46	2.2
4713.7	10000	38.4599	94.4927	-362	PM	2.8	-1	9.8	3	1.0	0	0.279	-1	2.969	-1	10.642	0	1982	41	2.2
4713.8	10000	38.4600	94.4920	-362	PM	2.9	-1	9.3	3	0.9	0	0.257	-2	2.760	-1	10.753	0	1955	39	2.2
4713.9	10000	38.4600	94.4912	-361	PM	2.8	-1	9.2	2	0.9	0	0.318	-1	2.287	-1	10.331	0	1963	45	2.2
4714.0	10000	38.4600	94.4905	-362	PM	2.5	-1	9.2	2	0.9	0	0.342	0	2.486	0	10.201	0	1990	38	2.2
4714.1	10000	38.4600	94.4898	-361	PM	2.5	-1	9.2	2	0.9	0	0.325	0	2.353	0	9.696	0	2017	51	2.2
4714.2	10000	38.4600	94.4891	-361	PM	2.5	-1	9.0	2	1.0	0	0.349	0	2.542	0	9.586	0	2039	43	2.2
4714.3	10000	38.4600	94.4884	-361	PM	2.5	-1	9.0	2	1.0	0	0.348	0	2.533	0	9.970	0	2069	51	2.2
4714.4	10000	38.4600	94.4876	-361	PM	2.5	-1	9.0	2	1.0	0	0.343	0	2.497	0	9.422	0	2089	50	2.2
4714.5	10000	38.4600	94.4869	-361	PM	2.5	-1	9.0	2	1.0	0	0.347	0	2.527	0	9.454	0	2131	41	2.2
4714.6	10000	38.4600	94.4862	-361	PM	2.5	-1	9.0	2	1.0	0	0.334	0	2.433	0	9.480	0	2145	45	2.2
4714.7	10000	38.4600	94.4855	-360	PM	2.5	-1	9.0	2	1.0	0	0.317	0	2.310	0	8.888	0	2148	46	2.2
4714.8	10000	38.4600	94.4848	-360	PM	2.5	-1	9.0	2	1.0	0	0.316	-1	2.302	-1	8.874	0	2145	46	2.2
4714.9	10000	38.4600	94.4841	-360	PM	2.5	-1	9.0	2	1.0	0	0.305	-1	2.223	-1	8.902	0	2147	54	2.2
4715.0	10000	38.4600	94.4833	-359	PM	2.5	-1	9.0	2	1.0	0	0.291	-1	2.121	-1	8.791	0	2142	51	2.2
4715.1	10000	38.4600	94.4826	-358	PM	2.5	-1	9.0	2	1.0	0	0.278	-1	2.026	-1	8.683	0	2155	40	2.2
4715.2	10000	38.4601	94.4819	-358	PM	2.9	-1	10.3	2	1.3	1	0.281	-1	2.045	-1	8.574	0	2135	50	2.2

LINE 670 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4715.3	10000	38.4600	94.4812	-356	PM	2.7	-1	10.4	1	1.3	1	0.260	-1	2.130	-2	8.177	0	2117	43	2.2
4715.4	10000	38.4601	94.4805	-356	PM	2.9	-1	10.8	1	1.2	1	0.273	-1	2.369	-1	8.686	0	2113	37	2.2
4715.5	10000	38.4601	94.4797	-354	PM	2.9	-1	10.8	1	1.2	1	0.269	-1	2.331	-1	8.681	0	2117	58	2.2
4715.6	10000	38.4601	94.4790	-353	PM	3.0	0	10.6	1	1.2	1	0.287	-1	2.519	-1	8.782	0	2111	59	2.2
4715.7	10000	38.4601	94.4783	-352	PM	3.0	-1	10.7	1	1.2	1	0.279	-1	2.541	-1	9.101	0	2114	51	2.2
4715.8	10000	38.4601	94.4776	-351	PM	3.1	0	10.4	1	1.1	0	0.300	-1	2.783	-1	9.285	0	2089	45	2.2
4715.9	10000	38.4601	94.4769	-350	PM	3.3	0	10.0	1	1.0	0	0.334	0	3.177	0	9.499	0	2067	43	2.2
4716.0	10000	38.4601	94.4761	-350	PP	3.4	0	9.2	1	1.0	-1	0.363	0	3.432	1	9.446	1	2016	43	2.2
4716.1	10000	38.4601	94.4754	-349	PP	3.4	0	8.5	1	0.9	-1	0.404	0	3.699	1	9.165	1	1950	37	2.2
4716.2	10000	38.4601	94.4747	-349	PP	3.5	0	8.0	-1	0.9	-1	0.438	1	3.976	1	9.075	1	1906	46	2.2
4716.3	10000	38.4601	94.4740	-349	PP	3.4	0	8.8	-1	0.9	-1	0.432	1	3.837	1	8.880	0	1886	51	2.2
4716.4	10000	38.4601	94.4733	-349	PP	3.7	1	7.8	-1	0.9	-1	0.469	1	4.112	2	8.758	0	1873	40	2.2
4716.5	10000	38.4601	94.4725	-350	PP	3.4	0	7.7	-1	1.0	-1	0.438	1	3.499	1	7.981	0	1882	37	2.2
4716.6	10000	38.4601	94.4718	-350	PP	3.2	0	8.2	-1	1.0	-1	0.390	0	3.198	0	8.202	0	1907	39	2.2
4716.7	10000	38.4601	94.4711	-350	PP	3.1	0	8.6	1	1.1	0	0.360	0	2.939	0	8.173	0	1956	45	2.2
4716.8	10000	38.4601	94.4704	-351	PP	3.0	-1	9.1	1	1.1	0	0.326	-1	2.709	0	8.318	0	2022	45	2.2
4716.9	10000	38.4602	94.4697	-352	PP	3.1	-1	9.7	1	1.1	0	0.304	-1	2.629	-1	8.660	0	2058	46	2.2
4717.0	10000	38.4602	94.4689	-353	PP	3.0	-1	10.2	1	1.1	0	0.278	-1	2.488	-1	8.959	1	2071	34	2.2
4717.1	10000	38.4602	94.4682	-353	PP	3.2	-1	10.2	1	1.1	0	0.298	-1	2.712	0	9.109	1	2090	36	2.2
4717.2	10000	38.4602	94.4675	-355	PP	3.3	0	10.4	1	1.1	0	0.310	-1	2.854	0	9.206	1	2111	45	2.2
4717.3	10000	38.4602	94.4668	-356	PM	3.3	0	10.6	1	1.1	0	0.310	-1	2.908	0	9.376	1	2126	48	2.2
4717.4	10000	38.4602	94.4660	-357	PM	3.6	0	10.9	1	1.1	0	0.327	0	3.109	0	9.507	0	2141	46	2.2
4717.5	10000	38.4602	94.4653	-359	PM	3.8	0	11.0	2	1.2	0	0.342	0	3.227	0	9.428	0	2150	41	2.2
4717.6	10000	38.4602	94.4646	-360	PM	3.7	0	10.7	1	1.2	0	0.351	0	3.224	0	9.197	0	2167	33	2.2
4717.7	10000	38.4602	94.4639	-362	PM	3.7	0	10.3	1	1.2	0	0.363	0	3.205	0	8.841	0	2179	38	2.1
4717.8	10000	38.4602	94.4632	-365	PM	3.5	0	10.2	1	1.2	0	0.342	0	2.963	0	8.673	0	2188	51	2.1
4717.9	10000	38.4602	94.4624	-368	PM	3.4	0	10.0	1	1.1	0	0.338	0	2.957	0	8.762	0	2186	48	2.1
4718.0	10000	38.4602	94.4617	-372	PM	3.4	0	9.7	1	1.1	0	0.345	0	3.006	0	8.719	0	2156	50	2.1
4718.1	10000	38.4602	94.4610	-376	PM	3.3	0	9.7	1	1.1	0	0.322	0	2.893	0	8.980	0	2141	26	2.1
4718.2	10000	38.4602	94.4603	-380	PM	3.2	0	9.9	1	1.1	0	0.272	0	2.524	0	9.288	0	2110	56	2.1
4718.3	10000	38.4602	94.4596	-385	PM	3.5	0	9.9	1	1.2	0	0.255	0	2.326	0	9.117	0	2084	40	2.1
4718.4	10000	38.4602	94.4588	-389	PM	3.7	0	10.4	1	1.2	0	0.264	0	2.378	0	9.022	0	2093	33	2.1
4718.5	10000	38.4602	94.4581	-392	PM	3.6	0	10.3	1	1.2	0	0.257	0	2.254	0	8.758	0	2085	42	2.1
4718.6	10000	38.4603	94.4574	-396	PM	3.6	0	10.5	1	1.2	0	0.246	0	2.239	0	9.097	0	2078	41	2.1
4718.7	10000	38.4603	94.4567	-399	PM	3.4	0	10.2	1	1.2	0	0.231	0	2.078	0	9.003	0	2087	42	2.1
4718.8	10000	38.4603	94.4560	-401	PM	3.6	0	10.2	1	1.2	0	0.258	0	2.173	0	8.425	0	2103	50	2.1
4718.9	10000	38.4603	94.4552	-405	PM	3.8	0	9.9	1	1.2	0	0.278	0	2.317	0	8.344	0	2101	45	2.1
4719.0	10000	38.4603	94.4545	-407	PP	3.8	0	9.0	1	1.2	0	0.292	0	2.520	0	8.630	0	2102	41	2.1
4719.1	10000	38.4603	94.4538	-410	PP	3.9	0	8.6	1	1.2	0	0.312	0	2.659	0	8.103	0	2074	44	2.1
4719.2	10000	38.4603	94.4531	-412	PP	3.9	0	8.5	1	1.2	0	0.322	0	2.902	0	8.297	0	2049	47	2.1
4719.3	10000	38.4603	94.4524	-412	PP	4.0	1	7.6	1	1.2	0	0.334	0	3.026	0	8.396	0	2039	38	2.1
4719.4	10000	38.4603	94.4516	-414	PP	3.8	0	7.6	1	1.2	0	0.336	0	2.266	0	7.655	0	2038	47	2.1
4719.5	10000	38.4603	94.4509	-417	PP	3.8	0	7.6	1	1.2	0	0.337	0	2.510	0	8.558	0	2030	46	2.1
4719.6	10000	38.4603	94.4502	-418	PP	3.5	0	7.4	1	1.2	0	0.371	0	2.596	0	8.885	0	2027	36	2.1
4719.7	10000	38.4603	94.4495	-419	PP	3.5	0	7.4	1	1.2	0	0.361	0	2.287	0	8.402	0	2017	47	2.1
4719.8	10000	38.4603	94.4488	-420	PP	3.3	0	7.4	1	1.2	0	0.358	0	2.035	0	8.342	0	2013	53	2.1
4719.9	10000	38.4603	94.4480	-421	PP	3.2	0	7.4	1	1.2	0	0.359	0	1.984	0	8.266	0	2006	49	2.1
4720.0	10000	38.4603	94.4473	-422	PP	3.2	0	7.4	1	1.2	0	0.361	0	1.969	0	8.096	0	1991	41	2.1
4720.1	10000	38.4604	94.4466	-423	PP	3.1	0	7.4	1	1.2	0	0.335	0	1.919	0	7.753	0	1986	47	2.1
4720.2	10000	38.4604	94.4459	-424	PP	3.0	0	7.4	1	1.2	0	0.352	0	1.890	0	7.825	0	1982	50	2.1
4720.3	10000	38.4604	94.4452	-425	PP	2.9	0	7.4	1	1.2	0	0.292	0	1.842	0	7.387	0	2001	49	2.1
4720.4	10000	38.4604	94.4444	-426	PP	2.9	0	7.4	1	1.2	0	0.292	0	1.745	0	7.387	0	2028	49	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4720.5	10000	38.4604	94.4437	-427	PP	3.3	0	9.6	0	1.0	-1	0.348	0	3.324	0	9.539	1	2045	51	2.0
4720.6	10000	38.4604	94.4430	-428	PP	3.4	0	9.7	1	1.0	0	0.350	0	3.262	0	9.318	1	2090	43	2.0
4720.7	10000	38.4604	94.4423	-430	PP	3.7	1	10.3	1	1.1	0	0.360	0	3.438	1	9.562	1	2116	44	2.0
4720.8	10000	38.4604	94.4416	-431	PP	3.9	1	10.8	1	1.1	0	0.357	0	3.558	1	9.962	1	2142	46	2.0
4720.9	10000	38.4604	94.4408	-433	PP	3.7	1	10.7	1	1.1	0	0.342	0	3.353	0	9.802	1	2170	50	2.0
4721.0	10000	38.4604	94.4401	-434	PP	3.5	0	10.9	1	1.1	0	0.320	-1	3.240	0	10.124	1	2176	41	2.0
4721.1	10000	38.4604	94.4394	-435	PP	3.6	1	10.8	1	1.1	0	0.336	0	3.288	0	9.775	1	2178	45	2.0
4721.2	10000	38.4604	94.4387	-437	PP	3.1	0	10.9	1	1.2	0	0.284	-1	2.678	-1	9.441	1	2177	49	2.0
4721.3	10000	38.4604	94.4380	-438	PP	3.0	-1	11.5	2	1.1	0	0.261	-1	2.632	-1	10.102	1	2162	63	2.0
4721.4	10000	38.4604	94.4372	-438	PP	2.7	-1	11.4	2	1.1	0	0.234	-2	2.337	-1	9.980	1	2165	39	2.0
4721.5	10000	38.4604	94.4365	-440	PP	2.9	-1	11.2	2	1.2	0	0.259	-1	2.475	-1	9.568	1	2179	45	2.0
4721.6	10000	38.4604	94.4358	-440	PP	3.2	0	11.0	2	1.1	0	0.288	-1	2.834	0	9.827	1	2165	47	2.0
4721.7	10000	38.4604	94.4351	-441	PP	3.2	0	10.7	1	1.1	0	0.303	-1	2.962	0	9.782	1	2181	55	2.0
4721.8	10000	38.4604	94.4344	-442	PP	3.2	0	11.1	2	1.1	0	0.287	-1	2.872	0	10.020	1	2191	51	2.0
4721.9	10000	38.4605	94.4336	-443	PP	3.3	0	10.9	1	1.1	0	0.305	-1	3.035	0	9.940	1	2205	43	2.0
4722.0	10000	38.4605	94.4329	-443	PP	3.2	0	10.4	1	1.1	0	0.306	-1	2.869	0	9.376	1	2210	42	2.0
4722.1	10000	38.4605	94.4322	-443	PP	3.4	0	10.4	1	1.1	0	0.323	-1	3.035	0	9.395	1	2209	55	2.0
4722.2	10000	38.4605	94.4315	-445	PP	3.1	0	10.6	1	1.1	0	0.291	-1	2.743	0	9.433	1	2198	53	2.0
4722.3	10000	38.4605	94.4308	-447	PP	2.8	-1	10.7	1	1.2	1	0.262	-1	2.288	-1	8.721	0	2204	49	2.0
4722.4	10000	38.4605	94.4300	-448	PP	2.8	-1	11.2	2	1.3	1	0.254	-1	2.233	-1	8.805	0	2191	42	2.0
4722.5	10000	38.4605	94.4293	-449	PP	2.7	-1	11.2	2	1.3	1	0.244	-1	2.175	-1	8.903	0	2171	61	2.0
4722.6	10000	38.4605	94.4286	-450	PP	2.8	-1	11.4	2	1.2	1	0.244	-1	2.289	-1	9.382	1	2178	38	2.0
4722.7	10000	38.4605	94.4279	-452	PP	3.2	0	11.3	2	1.2	0	0.286	-1	2.750	0	9.599	1	2173	48	2.0
4722.8	10000	38.4605	94.4272	-453	PP	3.2	0	11.1	2	1.1	0	0.285	-1	2.747	0	9.631	1	2165	53	2.0
4722.9	10000	38.4605	94.4264	-454	PP	3.1	0	10.8	1	1.1	0	0.284	-1	2.798	0	9.836	1	2142	54	2.1
4723.0	10000	38.4605	94.4257	-455	PP	3.3	0	10.7	1	1.0	-1	0.312	-1	3.260	0	10.439	2	2133	62	2.1
4723.1	10000	38.4605	94.4250	-457	PP	3.3	0	10.4	1	1.0	-1	0.319	-1	3.345	0	10.495	2	2124	38	2.1
4723.2	10000	38.4605	94.4243	-457	PP	3.3	0	10.1	1	1.0	-1	0.327	-1	3.305	0	10.100	1	2119	36	2.1
4723.3	10000	38.4605	94.4236	-457	PP	3.1	0	9.9	1	1.0	-1	0.315	-1	2.984	0	9.484	1	2096	34	2.1
4723.4	10000	38.4605	94.4228	-456	PP	2.8	0	9.8	1	1.0	-1	0.286	-1	2.632	0	9.098	1	2089	45	2.1
4723.5	10000	38.4605	94.4221	-456	PP	2.8	0	9.7	1	1.0	-1	0.289	-1	2.669	0	8.651	1	2096	41	2.1
4723.6	10000	38.4606	94.4214	-456	PKC	2.8	0	9.6	1	1.0	-1	0.293	-1	2.617	0	8.410	1	2110	48	2.1
4723.7	10000	38.4606	94.4207	-457	PKC	2.8	0	9.6	1	1.0	-1	0.303	-1	2.368	0	8.071	1	2120	49	2.1
4723.8	10000	38.4606	94.4200	-458	PKC	2.8	0	9.6	1	1.0	-1	0.321	-1	2.400	0	7.913	1	2129	59	2.1
4723.9	10000	38.4606	94.4192	-458	PKC	2.8	0	9.6	1	1.0	-1	0.334	-1	2.497	0	7.787	1	2128	51	2.1
4724.0	10000	38.4606	94.4185	-459	PKC	2.8	0	9.7	1	1.0	-1	0.324	-1	2.717	0	8.128	1	2123	48	2.1
4724.1	10000	38.4606	94.4178	-460	PKC	2.9	0	9.8	1	1.0	-1	0.327	-1	2.665	0	8.236	1	2124	39	2.1
4724.2	10000	38.4606	94.4171	-461	PKC	2.9	0	9.8	1	1.0	-1	0.335	-1	2.724	0	8.444	1	2109	37	2.1
4724.3	10000	38.4606	94.4164	-462	PKC	2.9	0	9.9	1	1.0	-1	0.342	-1	2.831	0	8.651	1	2114	39	2.1
4724.4	10000	38.4606	94.4156	-463	PKC	2.9	0	9.9	1	1.0	-1	0.356	-1	2.896	0	8.645	1	2094	55	2.1
4724.5	10000	38.4606	94.4149	-463	PKC	2.9	0	9.9	1	1.0	-1	0.347	-1	2.913	0	8.509	1	2088	50	2.1
4724.6	10000	38.4606	94.4142	-465	PKC	2.9	0	9.9	1	1.0	-1	0.341	-1	2.844	0	8.754	1	2092	41	2.1
4724.7	10000	38.4606	94.4135	-466	PKC	2.9	0	9.9	1	1.0	-1	0.340	-1	2.902	0	8.767	1	2092	54	2.1
4724.8	10000	38.4606	94.4128	-467	PKC	2.9	0	9.9	1	1.0	-1	0.337	-1	2.834	0	8.498	1	2111	34	2.1
4724.9	10000	38.4605	94.4120	-468	PKC	2.9	0	9.9	1	1.0	-1	0.330	-1	2.716	0	8.342	1	2109	43	2.1
4725.0	10000	38.4605	94.4113	-469	PKC	2.9	0	9.9	1	1.0	-1	0.306	-1	2.726	0	8.275	1	2122	32	2.1
4725.1	10000	38.4605	94.4106	-471	PKC	2.9	0	9.9	1	1.0	-1	0.271	-1	2.531	0	7.889	1	2144	51	2.1
4725.2	10000	38.4605	94.4099	-472	PKC	2.9	0	9.9	1	1.0	-1	0.264	-1	2.518	0	7.908	1	2145	45	2.1
4725.3	10000	38.4604	94.4091	-473	PP	2.9	0	9.9	1	1.0	-1	0.273	-1	2.322	0	7.615	1	2145	54	2.1
4725.4	10000	38.4604	94.4084	-475	PP	2.9	0	9.9	1	1.0	-1	0.269	-1	2.446	0	7.520	1	2139	40	2.1
4725.5	10000	38.4604	94.4077	-476	PP	2.9	0	9.9	1	1.0	-1	0.269	-1	2.446	0	7.520	1	2139	40	2.1
4725.6	10000	38.4604	94.4070	-479	PP	2.9	0	9.9	1	1.0	-1	0.269	-1	2.446	0	7.520	1	2139	40	2.1

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4725.7	10000	38.4604	94.4063	-480	PP	2.9	-1	10.1	1	1.1	0	0.288	-1	2.531	-1	8.785	0	2117	47	2.1
4725.8	10000	38.4604	94.4055	-482	PP	3.0	-1	10.6	1	1.1	0	0.287	-1	2.682	-1	9.356	1	2110	48	2.1
4725.9	10000	38.4604	94.4048	-484	PP	3.1	0	10.2	1	1.1	0	0.304	-1	2.895	0	9.519	1	2088	48	2.1
4726.0	10000	38.4603	94.4041	-486	PKC	3.3	0	10.3	1	1.1	0	0.321	0	3.120	0	9.710	1	2092	49	2.1
4726.1	10000	38.4603	94.4034	-487	PKC	3.4	0	10.3	1	1.1	0	0.325	0	3.140	0	9.656	1	2099	51	2.1
4726.2	10000	38.4603	94.4027	-489	PKC	3.2	0	10.4	1	1.1	0	0.311	-1	3.035	0	9.756	1	2100	34	2.1
4726.3	10000	38.4603	94.4019	-491	PKC	3.1	0	10.0	1	1.1	0	0.310	-1	2.794	0	9.018	1	2102	52	2.1
4726.4	10000	38.4603	94.4012	-492	PKC	3.0	0	10.1	1	1.1	0	0.300	-1	2.742	0	9.125	1	2095	45	2.1
4726.5	10000	38.4603	94.4005	-494	PKC	2.9	-1	9.6	0	1.1	0	0.308	-1	2.619	-1	8.493	0	2112	45	2.1
4726.6	10000	38.4602	94.3998	-495	PKC	3.0	-1	9.5	0	1.2	0	0.318	-1	2.561	-1	8.065	0	2132	58	2.1
4726.7	10000	38.4602	94.3990	-497	PKC	3.0	-1	9.6	0	1.2	0	0.313	-1	2.520	-1	8.052	0	2131	45	2.1
4726.8	10000	38.4602	94.3983	-499	PP	3.1	0	9.3	0	1.1	0	0.338	0	2.739	0	8.114	0	2133	38	2.1
4726.9	10000	38.4602	94.3976	-500	PP	3.2	0	9.4	0	1.2	0	0.338	0	2.662	-1	7.865	0	2143	43	2.1
4727.0	10000	38.4602	94.3969	-501	PP	3.0	-1	9.5	0	1.2	1	0.320	-1	2.506	-1	7.826	0	2163	35	2.1
4727.1	10000	38.4602	94.3962	-502	PP	2.9	-1	9.7	0	1.2	1	0.295	-1	2.364	-1	8.025	0	2154	35	2.1
4727.2	10000	38.4601	94.3954	-504	PP	2.7	-1	9.7	1	1.2	1	0.283	-1	2.269	-1	8.023	0	2147	45	2.1
4727.3	10000	38.4601	94.3947	-506	PP	2.7	-1	9.9	1	1.2	1	0.268	-1	2.139	-1	7.995	0	2150	53	2.1
4727.4	10000	38.4601	94.3940	-507	PP	2.7	-1	9.9	1	1.2	1	0.274	-1	2.216	-1	8.075	0	2147	34	2.1
4727.5	10000	38.4601	94.3933	-508	PP	2.7	-1	9.9	1	1.2	1	0.270	-1	2.152	-1	7.975	0	2135	46	2.1
4727.6	10000	38.4601	94.3926	-510	PP	2.7	-1	9.9	1	1.2	1	0.274	-1	2.291	-1	8.349	0	2124	39	2.1
4727.7	10000	38.4600	94.3918	-511	PP	2.9	-1	10.0	1	1.2	0	0.286	-1	2.428	-1	8.490	0	2106	54	2.1
4727.8	10000	38.4600	94.3911	-513	PP	3.0	-1	10.0	1	1.2	0	0.299	-1	2.535	-1	8.465	0	2122	49	2.1
4727.9	10000	38.4600	94.3904	-514	PP	3.0	-1	10.2	1	1.2	0	0.291	-1	2.569	-1	8.822	0	2104	28	2.1
4728.0	10000	38.4600	94.3897	-516	PP	3.2	0	10.3	1	1.1	0	0.307	-1	2.806	0	9.144	1	2083	60	2.1
4728.1	10000	38.4600	94.3890	-517	PP	3.0	-1	10.1	1	1.1	0	0.298	-1	2.642	-1	8.876	0	2087	48	2.1
4728.2	10000	38.4600	94.3882	-519	PP	2.8	-1	10.5	1	1.2	0	0.266	-1	2.417	-1	9.100	1	2093	41	2.1
4728.3	10000	38.4599	94.3875	-520	PP	2.8	-1	10.5	1	1.2	0	0.264	-1	2.336	-1	8.855	0	2115	41	2.1
4728.4	10000	38.4599	94.3868	-522	PP	2.9	-1	10.6	1	1.2	0	0.275	-1	2.472	-1	8.996	1	2133	49	2.1
4728.5	10000	38.4599	94.3861	-523	PP	3.0	-1	10.1	1	1.2	0	0.295	-1	2.494	-1	8.460	0	2130	45	2.1
4728.6	10000	38.4599	94.3854	-525	PP	2.8	-1	10.3	1	1.2	1	0.268	-1	2.240	-1	8.357	0	2155	37	2.1
4728.7	10000	38.4599	94.3846	-527	PP	2.8	-1	10.3	1	1.2	1	0.258	-1	2.172	-1	8.433	0	2170	33	2.1
4728.8	10000	38.4599	94.3839	-529	PP	2.8	-1	10.2	1	1.2	1	0.270	-1	2.296	-1	8.433	0	2187	50	2.1
4728.9	10000	38.4598	94.3832	-531	PP	2.8	-1	10.2	1	1.2	1	0.290	-1	2.437	-1	8.511	0	2192	44	2.1
4729.0	10000	38.4598	94.3825	-533	PP	2.8	-1	10.2	1	1.2	1	0.268	-1	2.717	-1	9.004	0	2181	51	2.1
4729.1	10000	38.4598	94.3817	-535	PP	2.9	-1	10.2	1	1.2	1	0.264	-1	2.601	-1	9.714	0	2174	38	2.1
4729.2	10000	38.4598	94.3810	-538	PP	2.9	-1	10.2	1	1.2	1	0.293	-1	2.821	-1	10.688	1	2189	57	2.1
4729.3	10000	38.4598	94.3803	-539	PP	2.9	-1	10.2	1	1.2	1	0.284	-1	2.803	-1	10.636	1	2174	43	2.1
4729.4	10000	38.4597	94.3796	-541	PP	2.9	-1	10.2	1	1.2	1	0.284	-1	2.823	-1	10.577	1	2165	38	2.1
4729.5	10000	38.4597	94.3789	-543	PP	2.9	-1	10.2	1	1.2	1	0.284	-1	2.831	-1	10.716	1	2155	62	2.1
4729.6	10000	38.4597	94.3781	-545	PP	2.9	-1	10.2	1	1.2	1	0.284	-1	2.823	-1	10.743	1	2137	44	2.1
4729.7	10000	38.4597	94.3774	-547	PP	2.9	-1	10.2	1	1.2	1	0.284	-1	2.831	-1	10.743	1	2114	62	2.1
4729.8	10000	38.4597	94.3767	-548	PP	2.9	-1	10.2	1	1.2	1	0.284	-1	2.831	-1	10.743	1	2067	57	2.1
4729.9	10000	38.4597	94.3760	-549	PP	2.9	-1	10.2	1	1.2	1	0.284	-1	2.831	-1	10.743	1	2059	38	2.1
4730.0	10000	38.4597	94.3753	-551	PP	2.9	-1	10.2	1	1.2	1	0.284	-1	2.831	-1	10.743	1	2040	62	2.1
4730.1	10000	38.4596	94.3745	-552	PP	2.9	-1	10.2	1	1.2	1	0.284	-1	2.831	-1	10.743	1	2031	44	2.1
4730.2	10000	38.4596	94.3738	-553	PP	2.9	-1	10.2	1	1.2	1	0.284	-1	2.831	-1	10.743	1	2012	51	2.1
4730.3	10000	38.4596	94.3731	-554	PP	2.9	-1	10.2	1	1.2	1	0.284	-1	2.831	-1	10.743	1	2016	38	2.1
4730.4	10000	38.4596	94.3724	-554	PP	2.9	-1	10.2	1	1.2	1	0.284	-1	2.831	-1	10.743	1	2050	62	2.1
4730.5	10000	38.4596	94.3717	-554	PP	2.9	-1	10.2	1	1.2	1	0.284	-1	2.831	-1	10.743	1	2031	44	2.1
4730.6	10000	38.4595	94.3709	-554	PP	2.9	-1	10.2	1	1.2	1	0.284	-1	2.831	-1	10.743	1	2012	51	2.1
4730.7	10000	38.4595	94.3702	-554	PP	2.9	-1	10.2	1	1.2	1	0.284	-1	2.831	-1	10.743	1	2016	38	2.1
4730.8	10000	38.4595	94.3695	-554	PP	2.9	-1	10.2	1	1.2	1	0.284	-1	2.831	-1	10.743	1	2050	62	2.1

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FIJAIR PPM
4730.9	10000	38.4595	94.3688	-554	PP	3.6	1	11.0	2	0.9	-1	0.329	0	4.167	2	12.678	3	2070	38	2.0
4731.0	10000	38.4595	94.3680	-553	PP	3.8	1	11.1	2	0.9	-1	0.342	0	4.213	2	12.310	3	2070	48	2.0
4731.1	10000	38.4595	94.3673	-553	PP	3.6	1	10.8	1	0.9	-1	0.334	0	3.883	1	11.639	3	2068	51	2.0
4731.2	10000	38.4594	94.3666	-552	PP	3.5	0	11.0	2	1.0	-1	0.316	-1	3.633	1	11.501	2	2077	29	2.0
4731.3	10000	38.4594	94.3659	-552	PP	3.6	1	10.5	1	1.0	-1	0.342	0	3.779	1	11.048	2	2055	51	2.0
4731.4	10000	38.4594	94.3652	-552	PP	3.7	1	10.1	1	1.0	-1	0.362	0	3.841	1	10.597	2	2040	42	2.0
4731.5	10000	38.4594	94.3644	-552	PP	3.7	1	9.4	0	1.0	-1	0.389	0	3.771	1	9.705	1	2032	46	2.0
4731.6	10000	38.4594	94.3637	-553	PP	3.5	0	9.6	0	1.0	-1	0.366	0	3.565	1	9.737	1	2030	47	2.0
4731.7	10000	38.4594	94.3630	-553	PP	3.5	0	9.7	0	1.0	-1	0.359	0	3.438	1	9.586	1	2039	46	2.0
4731.8	10000	38.4593	94.3623	-553	PP	3.3	0	10.0	1	1.1	0	0.332	0	3.146	0	9.478	1	2057	46	2.0
4731.9	10000	38.4593	94.3616	-553	PP	3.6	1	9.6	0	1.0	0	0.373	0	3.487	1	9.337	1	2047	56	2.0
4732.0	10000	38.4593	94.3608	-553	PP	3.2	0	9.4	0	1.1	0	0.337	0	2.925	0	8.670	0	2058	39	2.0
4732.1	10000	38.4593	94.3601	-553	PP	3.2	0	9.4	0	1.1	0	0.342	0	2.848	0	8.336	0	2069	57	1.9
4732.2	10000	38.4593	94.3594	-553	PP	3.1	0	9.4	0	1.1	0	0.329	0	2.825	0	8.585	0	2061	29	1.9
4732.3	10000	38.4592	94.3587	-554	PP	3.2	0	9.2	0	1.1	0	0.348	0	3.083	0	8.863	0	2067	44	1.9
4732.4	10000	38.4592	94.3580	-554	PP	2.9	-1	8.9	0	1.1	0	0.327	-1	2.787	0	8.509	0	2062	38	1.9
4732.5	10000	38.4592	94.3572	-555	PP	3.0	-1	8.9	0	1.1	0	0.331	0	2.816	0	8.496	0	2033	54	1.9
4732.6	10000	38.4592	94.3565	-556	PP	2.8	-1	8.8	0	1.0	-1	0.321	-1	2.761	0	8.609	0	2026	40	1.9
4732.7	10000	38.4592	94.3558	-557	PP	3.0	-1	8.9	0	1.1	0	0.331	0	2.947	0	8.896	0	2016	52	1.9
4732.8	10000	38.4592	94.3551	-559	PP	3.0	-1	8.9	0	1.1	0	0.337	0	3.035	0	9.003	1	1995	50	1.9
4732.9	10000	38.4591	94.3544	-560	PP	3.2	0	8.9	0	1.1	0	0.354	0	3.160	0	8.926	0	1986	45	1.9
4733.0	10000	38.4591	94.3536	-562	PP	3.1	0	8.9	0	1.1	0	0.348	0	2.908	0	8.365	0	1977	42	1.9
4733.1	10000	38.4591	94.3529	-564	PP	3.4	0	9.0	0	1.1	0	0.373	0	3.305	0	8.861	0	1963	43	1.9
4733.2	10000	38.4591	94.3522	-566	PP	3.5	0	9.1	0	1.1	0	0.379	0	3.603	0	9.502	1	1958	45	1.9
4733.3	10000	38.4591	94.3515	-568	PP	3.1	0	9.0	0	1.1	0	0.342	0	3.203	0	9.373	1	1953	43	1.9
4733.4	10000	38.4591	94.3507	-570	PP	3.3	0	8.7	0	1.1	0	0.376	0	3.583	0	9.540	1	1938	39	1.9
4733.5	10000	38.4590	94.3500	-573	PP	3.3	0	8.7	-1	1.1	0	0.383	0	3.936	1	10.281	2	1912	38	1.9
4733.6	10000	38.4590	94.3493	-575	PP	3.4	0	9.0	-1	1.1	0	0.378	0	4.269	1	11.302	2	1891	41	1.9
4733.7	10000	38.4590	94.3486	-578	PP	3.5	0	9.0	-1	1.1	0	0.391	0	4.898	1	12.539	3	1859	55	1.9
4733.8	10000	38.4590	94.3479	-580	PP	3.4	0	8.9	-1	1.1	0	0.380	0	4.810	1	12.648	3	1869	44	1.9
4733.9	10000	38.4590	94.3471	-582	PP	3.4	0	8.9	-1	1.1	0	0.380	0	4.739	1	12.648	3	1849	55	1.9
4734.0	10000	38.4589	94.3464	-584	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.587	1	12.648	3	1831	38	1.9
4734.1	10000	38.4589	94.3457	-587	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.971	1	12.648	3	1803	86	1.9
4734.2	10000	38.4589	94.3450	-588	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.076	1	12.648	3	1801	60	1.9
4734.3	10000	38.4589	94.3443	-590	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.862	1	12.648	3	1847	74	1.9
4734.4	10000	38.4589	94.3435	-592	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.399	1	12.648	3	1867	88	1.9
4734.5	10000	38.4589	94.3428	-593	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.315	1	12.648	3	1922	67	1.9
4734.6	10000	38.4588	94.3421	-595	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.111	1	12.648	3	1967	00	1.9
4734.7	10000	38.4588	94.3414	-595	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.224	1	12.648	3	2005	83	1.9
4734.8	10000	38.4588	94.3407	-596	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.174	1	12.648	3	2025	18	1.9
4734.9	10000	38.4588	94.3399	-596	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.181	1	12.648	3	2025	48	1.9
4735.0	10000	38.4588	94.3392	-596	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.505	1	12.648	3	2025	57	1.9
4735.1	10000	38.4587	94.3385	-596	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.527	1	12.648	3	2025	16	1.9
4735.2	10000	38.4587	94.3378	-595	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.747	1	12.648	3	2025	87	1.9
4735.3	10000	38.4587	94.3371	-595	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.660	1	12.648	3	2025	00	1.9
4735.4	10000	38.4587	94.3363	-595	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.233	1	12.648	3	2025	26	1.9
4735.5	10000	38.4587	94.3356	-595	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.307	1	12.648	3	2025	26	1.9
4735.6	10000	38.4587	94.3349	-595	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.225	1	12.648	3	2025	26	1.9
4735.7	10000	38.4586	94.3342	-595	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.246	1	12.648	3	2025	26	1.9
4735.8	10000	38.4586	94.3334	-595	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.257	1	12.648	3	2025	26	1.9
4735.9	10000	38.4586	94.3327	-595	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.246	1	12.648	3	2025	26	1.9
4736.0	10000	38.4586	94.3320	-595	PM	3.4	0	8.9	-1	1.1	0	0.380	0	4.257	1	12.648	3	2025	26	1.9

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4736.1	10000	38.4586	94.3313	-595	PM	3.8	1	11.6	2	1.3	2	0.331	0	2.859	0	8.643	0	2245	48	1.9
4736.2	10000	38.4586	94.3306	-596	PM	3.7	1	11.8	2	1.3	2	0.316	-1	2.805	0	8.871	0	2254	39	1.9
4736.3	10000	38.4585	94.3298	-596	PM	3.6	1	11.6	2	1.3	1	0.312	-1	2.844	0	9.105	0	2229	48	1.9
4736.4	10000	38.4585	94.3291	-597	PM	3.4	0	11.2	2	1.2	1	0.303	-1	2.788	0	9.201	0	2195	39	1.9
4736.5	10000	38.4585	94.3284	-598	PM	3.0	-1	11.5	2	1.2	1	0.265	-1	2.588	-1	9.777	1	2171	29	1.9
4736.6	10000	38.4585	94.3277	-599	PM	2.7	-1	11.2	2	1.2	1	0.239	-2	2.261	-1	9.456	0	2140	56	1.9
4736.7	10000	38.4585	94.3270	-600	PM	2.8	-1	11.2	2	1.1	0	0.250	-2	2.495	-1	9.988	1	2116	38	1.9
4736.8	10000	38.4585	94.3262	-601	PM	3.1	0	10.7	1	1.1	0	0.291	-1	2.763	-1	9.505	0	2079	44	1.9
4736.9	10000	38.4584	94.3255	-603	PM	3.0	0	10.3	1	1.1	0	0.303	-1	2.735	-1	9.029	0	2057	39	1.9
4737.0	10000	38.4584	94.3248	-604	PM	3.1	0	10.1	1	1.1	0	0.298	-1	2.670	-1	8.969	0	2050	45	1.9
4737.1	10000	38.4584	94.3241	-606	PM	3.1	0	10.1	1	1.2	0	0.291	-1	2.560	-1	8.791	0	2062	55	1.9
4737.2	10000	38.4584	94.3233	-608	PM	3.2	0	10.3	1	1.2	0	0.293	-1	2.587	-1	8.821	0	2085	39	1.9
4737.3	10000	38.4584	94.3226	-609	PM	3.2	0	10.6	1	1.2	0	0.299	-1	2.771	-1	9.265	0	2108	46	1.9
4737.4	10000	38.4583	94.3219	-612	PM	3.0	0	10.4	1	1.2	0	0.303	-1	2.659	-1	8.782	0	2124	42	1.9
4737.5	10000	38.4583	94.3212	-614	PM	3.0	0	10.6	1	1.1	0	0.284	-1	2.652	-1	9.328	0	2129	42	1.9
4737.6	10000	38.4583	94.3205	-616	PM	3.1	0	10.6	1	1.1	0	0.287	-1	2.842	0	9.889	1	2131	47	1.9
4737.7	10000	38.4583	94.3197	-619	PM	3.2	0	10.7	1	1.1	0	0.300	-1	2.941	0	9.790	1	2138	49	1.9
4737.8	10000	38.4583	94.3190	-621	PM	3.2	0	10.8	1	1.1	0	0.300	-1	3.061	0	10.215	1	2127	43	1.9
4737.9	10000	38.4583	94.3183	-623	PM	3.4	0	10.7	1	1.1	0	0.316	-1	3.292	0	10.424	1	2100	45	1.9
4738.0	10000	38.4582	94.3176	-625	PM	3.4	0	10.4	1	1.0	0	0.322	-1	3.149	0	9.768	1	2102	41	1.9
4738.1	10000	38.4582	94.3168	-628	PM	3.3	0	10.6	1	1.1	0	0.316	-1	3.297	0	10.447	1	2095	47	1.9
4738.2	10000	38.4582	94.3161	-630	PM	3.5	0	10.7	1	1.0	0	0.332	0	3.496	1	10.516	1	2108	44	1.9
4738.3	10000	38.4582	94.3154	-633	PM	3.5	0	10.8	1	1.0	0	0.325	0	3.410	0	10.484	1	2112	48	1.9
4738.4	10000	38.4582	94.3147	-636	PM	3.3	0	11.0	2	1.0	0	0.304	-1	3.231	0	10.615	1	2116	41	1.9
4738.5	10000	38.4581	94.3140	-638	PM	3.5	0	11.0	2	1.1	0	0.313	-1	3.250	0	10.376	1	2126	49	1.9
4738.6	10000	38.4581	94.3132	-641	PM	3.6	0	11.0	2	1.1	0	0.326	-1	3.354	0	10.293	1	2120	58	1.9
4738.7	10000	38.4581	94.3125	-643	PM	3.6	0	10.9	2	1.1	0	0.330	-1	3.272	0	10.096	1	2098	44	1.9
4738.8	10000	38.4581	94.3118	-645	PM	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2079	45	1.9
4738.9	10000	38.4581	94.3111	-647	PM	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2040	45	1.9
4739.0	10000	38.4581	94.3104	-649	PM	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2027	45	1.9
4739.1	10000	38.4580	94.3096	-650	PM	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2026	45	1.9
4739.2	10000	38.4580	94.3089	-652	PM	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2024	45	1.9
4739.3	10000	38.4580	94.3082	-652	PM	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2063	45	1.9
4739.4	10000	38.4580	94.3075	-653	PM	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2072	45	1.9
4739.5	10000	38.4580	94.3068	-654	PP	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2081	45	1.9
4739.6	10000	38.4579	94.3060	-655	PP	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2101	45	1.9
4739.7	10000	38.4579	94.3053	-655	PP	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2091	45	1.9
4739.8	10000	38.4579	94.3046	-655	PP	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2105	45	1.9
4739.9	10000	38.4579	94.3039	-652	PP	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2075	45	1.9
4740.0	10000	38.4579	94.3032	-655	PP	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2063	45	1.9
4740.1	10000	38.4579	94.3024	-655	PP	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2039	45	1.9
4740.2	10000	38.4578	94.3017	-654	PP	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2041	45	1.9
4740.3	10000	38.4578	94.3010	-654	PP	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2013	45	1.9
4740.4	10000	38.4578	94.3003	-653	PP	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2016	45	1.9
4740.5	10000	38.4578	94.2995	-652	PP	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	1991	45	1.9
4740.6	10000	38.4578	94.2988	-651	PP	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	1991	45	1.9
4740.7	10000	38.4577	94.2981	-650	PM	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	1975	45	1.9
4740.8	10000	38.4577	94.2974	-649	PM	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	1984	45	1.9
4740.9	10000	38.4577	94.2967	-648	PM	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	1989	45	1.9
4741.0	10000	38.4577	94.2959	-647	PM	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2007	45	1.9
4741.1	10000	38.4577	94.2952	-646	PM	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2008	45	1.9
4741.2	10000	38.4577	94.2945	-645	PM	3.6	0	10.8	2	1.1	0	0.333	-1	3.267	0	10.000	1	2008	45	1.9

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4741.3	10000	38.4577	94.2937	-644	PM	3.3	0	8.7	-1	1.2	1	0.384	0	2.737	-1	7.129	-1	2027	52	1.9
4741.4	10000	38.4577	94.2930	-643	PP	3.4	0	8.3	-1	1.2	1	0.417	0	2.848	0	6.835	-1	2015	58	1.9
4741.5	10000	38.4577	94.2923	-642	PP	3.3	0	8.2	-1	1.2	1	0.402	0	2.751	0	6.841	-1	2018	50	1.9
4741.6	10000	38.4577	94.2915	-642	PP	3.6	1	7.8	-1	1.2	1	0.462	1	2.943	0	6.368	-1	2024	34	1.9
4741.7	10000	38.4577	94.2908	-641	PP	3.2	0	7.8	-1	1.2	1	0.414	0	2.638	-1	6.375	-1	2016	42	1.9
4741.8	10000	38.4577	94.2900	-641	PP	3.2	0	7.6	-1	1.2	0	0.424	1	2.721	0	6.420	-1	2002	50	2.0
4741.9	10000	38.4577	94.2893	-640	PP	3.1	0	7.7	-1	1.2	0	0.405	0	2.676	-1	6.601	-1	1987	44	2.0
4742.0	10000	38.4578	94.2886	-640	PP	3.2	0	8.1	-1	1.1	0	0.400	0	2.967	0	7.424	-1	1971	53	2.0
4742.1	10000	38.4578	94.2878	-640	PP	3.1	0	8.5	0	1.1	0	0.371	0	2.930	0	7.906	0	1964	42	2.0
4742.2	10000	38.4578	94.2871	-639	PP	3.2	0	8.4	-1	1.0	0	0.378	0	3.090	0	8.180	0	1962	46	2.0
4742.3	10000	38.4578	94.2863	-637	PP	3.2	0	8.7	0	1.0	-1	0.365	0	3.208	0	8.800	0	1947	43	2.0
4742.4	10000	38.4578	94.2856	-636	PP	3.2	0	9.7	0	0.9	-1	0.361	0	3.347	0	9.278	1	1948	36	2.0
4742.5	10000	38.4578	94.2849	-636	PP	2.9	-1	9.5	0	1.0	-1	0.299	-1	2.995	0	10.012	1	1960	45	2.0
4742.6	10000	38.4578	94.2841	-638	PP	2.9	-1	9.6	0	1.0	-1	0.300	-1	2.815	0	9.380	1	1973	39	2.0
4742.7	10000	38.4578	94.2834	-639	PP	2.5	-1	9.5	0	1.0	-1	0.269	-1	2.479	-1	9.220	1	1982	46	2.0
4742.8	10000	38.4578	94.2826	-639	PP	2.5	-1	9.5	0	1.0	-1	0.267	-1	2.551	-1	9.539	1	1985	39	2.0
4742.9	10000	38.4578	94.2819	-638	PP	2.4	-2	9.9	1	1.0	-1	0.240	-1	2.304	-1	9.587	1	1995	42	2.0
4743.0	10000	38.4578	94.2812	-638	PP	2.5	-1	10.1	1	1.0	-1	0.243	-1	2.424	-1	9.980	1	2013	49	2.0
4743.1	10000	38.4578	94.2804	-637	PP	2.6	-1	10.4	1	1.0	-1	0.252	-1	2.611	-1	10.371	2	2008	53	2.0
4743.2	10000	38.4578	94.2797	-637	PP	2.9	-1	10.2	1	1.0	-1	0.284	-1	2.902	0	10.217	1	2011	38	2.0
4743.3	10000	38.4578	94.2789	-637	PP	3.0	-1	10.0	1	0.9	-1	0.300	-1	3.197	1	10.652	2	2006	49	2.0
4743.4	10000	38.4579	94.2782	-636	PP	3.2	-1	9.9	1	0.9	-1	0.327	-1	3.406	1	10.401	2	2003	41	2.0
4743.5	10000	38.4579	94.2775	-636	PP	3.5	0	9.9	1	1.0	-1	0.361	0	3.622	1	10.037	1	2015	44	2.0
4743.6	10000	38.4579	94.2767	-635	PM	3.7	1	9.9	0	0.9	-1	0.395	1	3.883	1	9.831	1	2007	38	2.0
4743.7	10000	38.4579	94.2760	-634	PM	3.7	1	9.9	0	1.0	0	0.416	1	3.633	1	8.725	0	2004	47	2.0
4743.8	10000	38.4579	94.2753	-633	PM	3.7	1	9.6	-1	1.1	0	0.427	1	3.389	0	7.945	-1	2020	47	2.0
4743.9	10000	38.4579	94.2745	-633	PM	3.6	1	9.4	-1	1.1	0	0.426	1	3.255	0	7.634	-1	2016	36	2.0
4744.0	10000	38.4579	94.2738	-632	PM	3.5	0	9.7	-1	1.1	0	0.398	1	3.058	0	7.693	-1	2019	45	2.0
4744.1	10000	38.4579	94.2730	-631	PM	3.4	0	9.8	-1	1.2	1	0.384	1	2.877	0	7.485	-1	2016	50	2.0
4744.2	10000	38.4579	94.2723	-630	PM	3.0	-1	9.8	-1	1.2	1	0.341	1	2.518	-1	7.379	-1	2000	46	2.0
4744.3	10000	38.4579	94.2716	-629	PM	3.0	-1	9.8	-1	1.2	1	0.355	1	2.521	-1	7.107	-1	2003	43	2.0
4744.4	10000	38.4579	94.2708	-628	PM	2.9	-1	9.8	-1	1.2	1	0.328	1	2.484	-1	7.568	-1	1991	41	2.0
4744.5	10000	38.4579	94.2701	-627	PM	3.0	-1	9.8	-1	1.1	1	0.343	1	2.748	-1	8.000	-1	1978	45	2.0
4744.6	10000	38.4579	94.2693	-626	PM	3.1	-1	9.8	-1	1.1	1	0.361	1	2.736	-1	7.581	-1	1975	42	2.0
4744.7	10000	38.4579	94.2686	-625	PM	3.1	-1	9.8	-1	1.1	1	0.375	1	2.765	-1	7.376	-1	1972	48	2.0
4744.8	10000	38.4580	94.2679	-625	PM	3.0	-1	9.8	-1	1.1	1	0.354	1	2.690	-1	7.606	-1	1982	45	2.0
4744.9	10000	38.4580	94.2671	-624	PM	3.2	0	9.8	-1	1.1	1	0.371	1	2.770	-1	7.469	-1	2010	58	2.0
4745.0	10000	38.4580	94.2664	-623	PM	3.2	0	9.8	-1	1.1	1	0.337	1	2.530	-1	7.503	-1	2013	42	2.0
4745.1	10000	38.4580	94.2656	-623	PM	3.0	-1	9.8	-1	1.1	1	0.340	1	2.488	-1	7.314	-1	2012	63	2.0
4745.2	10000	38.4580	94.2649	-622	PM	2.9	-1	9.8	-1	1.1	1	0.321	1	2.352	-1	7.318	-1	2003	44	2.0
4745.3	10000	38.4580	94.2642	-621	PM	2.8	-1	9.8	-1	1.1	1	0.304	1	2.340	-1	7.699	-1	2007	44	2.0
4745.4	10000	38.4580	94.2634	-621	PM	2.8	-1	9.8	-1	1.1	1	0.296	1	2.251	-1	7.601	-1	2023	44	2.0
4745.5	10000	38.4580	94.2627	-620	PM	2.7	-1	9.8	-1	1.1	1	0.297	1	2.162	-1	7.270	-1	2026	47	2.0
4745.6	10000	38.4580	94.2619	-620	PM	2.6	-1	9.8	-1	1.1	1	0.290	1	2.141	-1	7.392	-1	2024	50	2.0
4745.7	10000	38.4580	94.2612	-619	PM	2.7	-1	9.8	-1	1.1	1	0.295	1	2.188	-1	7.426	-1	2032	45	2.0
4745.8	10000	38.4580	94.2605	-619	PM	2.4	-2	9.8	-1	1.1	1	0.261	1	1.953	-2	7.476	-1	2049	37	2.0
4745.9	10000	38.4580	94.2597	-617	PM	2.4	-2	9.8	-1	1.1	1	0.267	1	1.931	-2	7.224	-1	2072	45	2.0
4746.0	10000	38.4580	94.2590	-617	PM	2.4	-2	9.8	-1	1.1	1	0.267	1	1.949	-2	7.292	-1	2070	58	2.0
4746.1	10000	38.4580	94.2583	-616	PM	2.4	-2	9.8	-1	1.1	1	0.246	-2	1.762	-2	7.169	-1	2051	29	2.0
4746.2	10000	38.4580	94.2575	-615	PM	2.4	-2	9.8	-1	1.1	1	0.258	-2	1.987	-2	7.707	-1	2049	49	2.0
4746.3	10000	38.4581	94.2568	-613	PM	2.4	-2	9.8	-1	1.1	1	0.242	-2	1.974	-2	8.172	0	2055	49	2.0
4746.4	10000	38.4581	94.2560	-612	PM	2.4	-2	10.1	1	1.1	1	0.238	-2	2.104	-2	8.844	0	2055	44	2.0

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4746.5	10000	38.4581	94.2553	-610	PC	2.7	-1	10.2	1	1.1	0	0.261	-1	2.406	-1	9.204	0	2054	40	2.1
4746.6	10000	38.4581	94.2546	-609	PC	2.7	-1	10.1	1	1.2	0	0.266	-1	2.341	-1	8.814	0	2069	39	2.1
4746.7	10000	38.4581	94.2538	-607	PC	2.5	-1	10.3	1	1.2	0	0.244	-1	2.171	-1	8.892	0	2074	39	2.1
4746.8	10000	38.4581	94.2531	-605	PC	3.0	0	10.0	1	1.2	0	0.294	-1	2.526	-1	8.585	0	2090	46	2.1
4746.9	10000	38.4581	94.2523	-604	PC	3.1	0	9.7	0	1.2	0	0.320	0	2.595	-1	8.102	0	2092	45	2.1
4747.0	10000	38.4581	94.2516	-602	PC	3.2	0	9.3	0	1.2	1	0.347	0	2.621	-1	7.549	-1	2074	49	2.1
4747.1	10000	38.4581	94.2509	-600	PC	2.9	0	9.0	0	1.3	1	0.328	0	2.262	-1	6.897	-1	2080	55	2.1
4747.2	10000	38.4581	94.2501	-598	PC	3.0	0	8.5	-1	1.3	1	0.353	0	2.237	-1	6.335	-2	2086	25	2.1
4747.3	10000	38.4581	94.2494	-596	PC	3.1	0	8.7	0	1.3	1	0.350	0	2.350	-1	6.720	-1	2079	45	2.1
4747.4	10000	38.4581	94.2486	-593	PC	3.1	0	8.4	-1	1.3	1	0.366	0	2.361	-1	6.455	-2	2071	45	2.1
4747.5	10000	38.4581	94.2479	-589	PC	2.9	0	8.8	0	1.3	1	0.324	0	2.252	-1	6.947	-1	2057	34	2.1
4747.6	10000	38.4581	94.2472	-587	PC	2.5	-1	9.6	0	1.3	1	0.260	-1	1.940	-1	7.449	-1	2064	48	2.1
4747.7	10000	38.4582	94.2464	-584	PC	2.4	-1	9.3	0	1.3	1	0.257	-1	1.845	-2	7.174	-1	2077	37	2.1
4747.8	10000	38.4582	94.2457	-580	PC	2.7	-1	9.4	0	1.3	1	0.282	-1	2.101	-1	7.452	-1	2072	42	2.1
4747.9	10000	38.4582	94.2449	-576	PC	2.6	-1	9.7	0	1.2	1	0.264	-1	2.071	-1	7.842	-1	2072	47	2.1
4748.0	10000	38.4582	94.2442	-571	PC	2.4	-1	9.7	0	1.2	1	0.243	-1	1.906	-1	7.855	-1	2039	45	2.1
4748.1	10000	38.4582	94.2435	-566	PC	2.4	-1	9.4	0	1.3	1	0.258	-1	1.932	-1	7.494	-1	2036	35	2.1
4748.2	10000	38.4582	94.2427	-561	PC	2.5	-1	9.5	0	1.2	1	0.266	-1	2.035	-1	7.663	-1	2035	58	2.1
4748.3	10000	38.4582	94.2420	-556	PC	2.9	0	9.6	-1	1.2	1	0.335	0	2.367	-1	7.074	-1	2026	53	2.1
4748.4	10000	38.4582	94.2413	-550	PC	2.8	-1	9.8	0	1.2	1	0.318	0	2.361	-1	7.417	-1	2028	40	2.1
4748.5	10000	38.4582	94.2405	-544	PC	3.0	0	9.1	0	1.2	1	0.326	0	2.547	-1	7.822	-1	2029	48	2.1
4748.6	10000	38.4582	94.2398	-537	PC	2.8	-1	8.9	0	1.1	1	0.309	0	2.438	-1	7.885	-1	2021	41	2.1
4748.7	10000	38.4582	94.2390	-531	PC	3.0	0	9.3	0	1.2	1	0.338	0	2.577	-1	7.631	-1	2037	45	2.1
4748.8	10000	38.4582	94.2383	-525	PC	3.1	0	9.2	0	1.2	1	0.336	0	2.665	0	7.924	-1	2045	42	2.1
4748.9	10000	38.4582	94.2375	-518	PC	3.0	0	9.0	0	1.2	1	0.329	0	2.453	-1	7.462	-1	2049	49	2.1
4749.0	10000	38.4582	94.2368	-511	PC	3.0	0	9.0	0	1.2	1	0.335	0	2.471	-1	7.372	-1	2045	38	2.1
4749.1	10000	38.4582	94.2361	-505	PC	3.1	0	8.9	0	1.2	1	0.349	0	2.527	-1	7.250	-1	2031	47	2.1
4749.2	10000	38.4583	94.2353	-498	PC	2.9	0	8.8	0	1.3	1	0.335	0	2.263	-1	6.755	-1	2022	43	2.1
4749.3	10000	38.4583	94.2346	-492	PC	2.9	0	8.8	0	1.3	1	0.335	0	2.355	-1	6.451	-2	2027	55	2.1
4749.4	10000	38.4583	94.2339	-486	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.282	-1	6.840	-1	2042	36	2.1
4749.5	10000	38.4583	94.2331	-481	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.229	-1	6.920	-1	2043	47	2.1
4749.6	10000	38.4583	94.2324	-477	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.443	-1	7.076	-1	2068	35	2.1
4749.7	10000	38.4583	94.2316	-472	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.374	-1	7.374	-1	2093	59	2.1
4749.8	10000	38.4583	94.2309	-468	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.559	-1	7.689	-1	2129	44	2.1
4749.9	10000	38.4583	94.2302	-465	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.394	-1	7.491	-1	2162	43	2.1
4750.0	10000	38.4583	94.2294	-462	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.542	-1	7.537	-1	2174	37	2.1
4750.1	10000	38.4583	94.2287	-460	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.708	-1	7.347	-1	2188	10	2.1
4750.2	10000	38.4583	94.2280	-458	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.684	-1	7.359	-1	2200	27	2.1
4750.3	10000	38.4583	94.2272	-456	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.785	-1	7.411	-1	2192	46	2.1
4750.4	10000	38.4583	94.2265	-454	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.443	-1	7.216	-1	2191	37	2.1
4750.5	10000	38.4583	94.2257	-453	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.186	-1	7.018	-1	2190	75	2.1
4750.6	10000	38.4583	94.2250	-452	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.380	-1	7.226	-1	2188	43	2.1
4750.7	10000	38.4584	94.2243	-452	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.213	-1	7.263	-1	2187	04	2.1
4750.8	10000	38.4584	94.2235	-451	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.114	-1	7.073	-1	2170	64	2.1
4750.9	10000	38.4584	94.2228	-450	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.178	-1	7.111	-1	2164	15	2.1
4751.0	10000	38.4584	94.2220	-449	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.005	-1	7.009	-1	2161	55	2.1
4751.1	10000	38.4584	94.2213	-448	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.362	-1	7.251	-1	2125	58	2.1
4751.2	10000	38.4584	94.2206	-448	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.649	-1	7.169	-1	2102	82	2.1
4751.3	10000	38.4584	94.2198	-447	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.534	-1	7.094	-1	2098	29	2.1
4751.4	10000	38.4584	94.2191	-446	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.389	-1	7.139	-1	2082	79	2.1
4751.5	10000	38.4584	94.2183	-446	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.407	-1	6.947	-1	2079	67	2.1
4751.6	10000	38.4584	94.2176	-444	PC	3.0	0	8.8	0	1.3	1	0.340	0	2.475	-1	7.068	-1	2067	54	2.1

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4751.7	10000	38.4584	94.2169	-443	PC	3.0	0	9.3	0	1.3	1	0.326	0	2.360	-1	7.228	-1	2054	44	2.0
4751.8	10000	38.4584	94.2161	-441	PC	2.9	0	9.4	0	1.3	1	0.309	0	2.209	-1	7.151	-1	2053	37	2.0
4751.9	10000	38.4584	94.2154	-439	PC	2.8	-1	9.3	0	1.3	1	0.299	-1	2.117	-1	7.075	-1	2035	44	2.0
4752.0	10000	38.4584	94.2146	-437	PC	2.9	0	9.3	0	1.3	1	0.315	0	2.275	-1	7.228	-1	2033	43	2.0
4752.1	10000	38.4584	94.2139	-435	PC	3.0	0	9.2	0	1.2	1	0.331	0	2.441	-1	7.369	-1	2034	49	2.0
4752.2	10000	38.4585	94.2132	-432	PC	3.0	0	9.5	0	1.2	0	0.315	0	2.616	-1	8.297	0	2014	45	1.9
4752.3	10000	38.4585	94.2124	-430	PC	2.9	0	9.3	0	1.1	0	0.318	0	2.636	-1	8.293	0	2018	33	1.9
4752.4	10000	38.4585	94.2117	-426	PC	3.1	0	9.1	0	1.1	0	0.346	0	2.793	0	8.080	0	2038	37	1.9
4752.5	10000	38.4585	94.2110	-422	PC	3.2	0	9.0	0	1.1	0	0.355	0	2.838	0	8.005	0	2055	51	1.9
4752.6	10000	38.4585	94.2102	-418	PC	3.1	0	9.5	0	1.1	0	0.328	0	2.780	0	8.471	0	2106	38	1.9
4752.7	10000	38.4585	94.2095	-414	PC	3.2	0	9.7	0	1.2	0	0.329	0	2.756	0	8.369	0	2134	44	1.9
4752.8	10000	38.4585	94.2087	-411	PC	3.4	0	9.8	0	1.2	0	0.343	0	2.810	0	8.203	0	2171	45	1.9
4752.9	10000	38.4585	94.2080	-407	PC	3.5	0	9.5	0	1.3	1	0.366	0	2.611	-1	7.144	-1	2213	48	1.9
4753.0	10000	38.4585	94.2072	-403	PC	3.5	0	9.8	0	1.4	1	0.364	0	2.513	-1	6.912	-1	2241	42	1.9
4753.1	10000	38.4585	94.2065	-399	PC	3.4	0	9.9	0	1.4	1	0.347	0	2.410	-1	6.939	-1	2253	54	1.9
4753.2	10000	38.4585	94.2058	-396	PC	3.4	1	10.2	0	1.4	1	0.333	0	2.437	-1	7.321	-1	2266	40	1.9
4753.3	10000	38.4585	94.2050	-392	PC	3.7	1	9.8	0	1.4	1	0.374	0	2.627	-1	7.016	-1	2257	59	1.9
4753.4	10000	38.4585	94.2043	-389	PC	3.9	1	9.6	0	1.4	1	0.405	1	2.795	0	6.906	-1	2246	51	1.9
4753.5	10000	38.4585	94.2036	-386	PC	3.7	1	9.7	0	1.4	1	0.378	0	2.638	-1	6.983	-1	2216	44	1.9
4753.6	10000	38.4585	94.2028	-383	PC	3.3	1	9.9	0	1.3	1	0.338	0	2.528	-1	7.469	-1	2201	58	1.8
4753.7	10000	38.4585	94.2021	-380	PC	3.6	1	9.6	0	1.3	1	0.371	0	2.749	0	7.405	-1	2179	47	1.8
4753.8	10000	38.4585	94.2013	-377	PC	3.6	1	9.8	0	1.3	1	0.382	0	2.813	0	7.363	-1	2150	44	1.8
4753.9	10000	38.4585	94.2006	-375	PC	3.5	1	9.8	0	1.3	1	0.397	0	2.736	0	6.898	-1	2119	43	1.8
4754.0	10000	38.4586	94.1999	-372	PC	3.4	1	9.9	0	1.3	1	0.371	0	2.668	0	7.185	-1	2097	54	1.8
4754.1	10000	38.4586	94.1991	-370	PC	3.0	1	9.2	0	1.2	1	0.331	0	2.466	-1	7.442	-1	2094	44	1.8
4754.2	10000	38.4586	94.1984	-369	PC	3.1	1	8.7	0	1.2	1	0.361	0	2.585	-1	7.160	-1	2088	53	1.8
4754.3	10000	38.4586	94.1976	-367	PC	3.2	1	9.0	0	1.2	1	0.382	0	2.694	-1	7.055	-1	2083	46	1.8
4754.4	10000	38.4586	94.1969	-367	PC	3.2	1	9.2	0	1.2	1	0.359	0	2.569	-1	7.147	-1	2106	44	1.8
4754.5	10000	38.4586	94.1962	-366	PC	3.3	1	9.0	0	1.2	1	0.372	0	2.679	-1	7.206	-1	2123	44	1.8
4754.6	10000	38.4586	94.1954	-367	PC	3.5	1	9.3	0	1.2	1	0.374	0	2.834	-1	7.578	-1	2137	42	1.8
4754.7	10000	38.4586	94.1947	-368	PC	3.4	1	9.5	0	1.3	1	0.358	0	2.624	-1	7.330	-1	2156	51	1.8
4754.8	10000	38.4586	94.1939	-370	PC	3.3	1	9.7	0	1.3	1	0.348	0	2.494	-1	7.163	-1	2161	44	1.8
4754.9	10000	38.4586	94.1932	-372	PC	3.3	1	9.7	0	1.3	1	0.324	0	2.428	-1	7.490	-1	2175	39	1.8
4755.0	10000	38.4586	94.1925	-374	PC	3.2	1	9.8	0	1.3	1	0.313	0	2.464	-1	7.866	-1	2187	42	1.8
4755.1	10000	38.4586	94.1917	-377	PC	3.1	1	9.7	0	1.3	1	0.277	0	2.227	-1	8.053	0	2170	27	1.8
4755.2	10000	38.4586	94.1910	-380	PC	3.0	1	9.7	0	1.3	1	0.260	0	2.082	-1	8.017	0	2158	54	1.8
4755.3	10000	38.4586	94.1902	-383	PC	3.0	1	9.7	0	1.3	1	0.264	0	2.048	-1	7.742	-1	2150	43	1.8
4755.4	10000	38.4586	94.1895	-387	PC	3.0	1	9.7	0	1.3	1	0.267	0	1.980	-1	7.424	-1	2117	37	1.8
4755.5	10000	38.4586	94.1888	-391	PC	3.0	1	9.7	0	1.3	1	0.299	0	2.137	-1	7.143	-1	2093	45	1.8
4755.6	10000	38.4587	94.1880	-396	PC	3.0	1	9.7	0	1.3	1	0.307	0	2.129	-1	6.938	-1	2063	39	1.8
4755.7	10000	38.4587	94.1873	-401	PC	3.0	1	9.7	0	1.3	1	0.355	0	2.210	-1	6.230	-2	2011	54	1.8
4755.8	10000	38.4587	94.1866	-406	PC	3.0	1	9.7	0	1.3	1	0.412	0	2.528	-1	6.141	-2	1978	56	1.8
4755.9	10000	38.4587	94.1858	-412	PC	3.0	1	9.7	0	1.3	1	0.441	0	2.900	-1	6.574	-1	1945	26	1.8
4756.0	10000	38.4587	94.1851	-418	PC	3.0	1	9.7	0	1.3	1	0.457	0	3.085	-1	6.749	-1	1923	44	1.8
4756.1	10000	38.4587	94.1843	-424	PC	3.0	1	9.7	0	1.3	1	0.470	0	3.364	-1	7.154	-1	1917	46	1.8
4756.2	10000	38.4587	94.1836	-431	PC	3.0	1	9.7	0	1.3	1	0.450	0	3.288	-1	7.312	-1	1913	36	1.8
4756.3	10000	38.4587	94.1829	-437	PC	3.0	1	9.7	0	1.3	1	0.446	0	3.425	-1	7.489	-1	1907	45	1.8
4756.4	10000	38.4587	94.1821	-444	PC	3.0	1	9.7	0	1.3	1	0.425	0	3.457	-1	8.201	0	1911	54	1.8
4756.5	10000	38.4587	94.1814	-451	PC	3.0	1	9.7	0	1.3	1	0.437	0	3.498	-1	7.996	-1	1955	47	1.8
4756.6	10000	38.4587	94.1806	-458	PC	3.0	1	9.7	0	1.3	1	0.497	0	3.604	-1	7.248	-1	2007	49	1.8
4756.7	10000	38.4587	94.1799	-465	PC	3.0	1	9.7	0	1.3	1	0.522	0	3.511	-1	6.732	-1	2067	39	1.8
4756.8	10000	38.4587	94.1792	-472	PC	3.1	1	9.7	0	1.3	1	0.538	0	3.559	-1	6.612	-1	2141	42	1.8

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4756.9	10000	38.4587	94.1784	-478	PC	4.5	2	7.6	-1	1.2	0	0.587	3	3.804	1	6.477	-2	2199	37	1.8
4757.0	10000	38.4587	94.1777	-485	PC	5.0	2	7.6	-1	1.2	1	0.654	4	4.054	1	6.203	-2	2275	38	1.8
4757.1	10000	38.4588	94.1769	-490	PC	5.2	3	7.8	-1	1.3	1	0.664	4	3.904	1	5.882	-2	2347	46	1.8
4757.2	10000	38.4588	94.1762	-496	PC	5.5	3	8.0	-1	1.4	1	0.687	4	3.956	1	5.760	-2	2408	67	1.8
4757.3	10000	38.4588	94.1755	-501	PC	5.4	3	7.9	-1	1.4	2	0.678	4	3.721	1	5.490	-2	2463	50	1.8
4757.4	10000	38.4588	94.1747	-505	PC	5.3	3	7.9	-1	1.5	2	0.673	4	3.632	1	5.397	-2	2474	47	1.8
4757.5	10000	38.4588	94.1740	-509	PC	5.5	3	8.0	-1	1.5	2	0.690	4	3.738	1	5.418	-2	2471	38	1.8
4757.6	10000	38.4588	94.1733	-512	PC	5.5	3	8.1	-1	1.5	2	0.677	4	3.667	1	5.417	-2	2484	40	1.8
4757.7	10000	38.4588	94.1725	-515	PC	5.5	3	8.3	-1	1.5	2	0.663	4	3.745	1	5.647	-2	2498	41	1.8
4757.8	10000	38.4588	94.1718	-519	PC	5.8	3	8.3	-1	1.4	1	0.696	4	4.044	1	5.807	-2	2520	38	1.8
4757.9	10000	38.4588	94.1711	-521	PC	5.5	3	8.3	-1	1.4	1	0.662	4	4.051	1	6.119	-2	2487	34	1.8
4758.0	10000	38.4588	94.1703	-525	PC	5.3	3	9.1	0	1.3	1	0.576	3	3.975	1	6.899	-1	2429	40	1.8
4758.1	10000	38.4588	94.1696	-528	PC	5.5	3	9.6	0	1.2	1	0.570	3	4.416	2	7.753	-1	2386	43	1.8
4758.2	10000	38.4588	94.1689	-530	PC	5.3	3	9.3	0	1.2	1	0.564	3	4.457	2	7.904	-1	2330	50	1.8
4758.3	10000	38.4588	94.1681	-532	PC	5.1	2	9.5	0	1.2	1	0.534	2	4.358	2	8.164	0	2279	51	1.8
4758.4	10000	38.4588	94.1674	-533	PC	4.8	2	9.4	0	1.1	1	0.509	2	4.277	2	8.400	0	2218	40	1.8
4758.5	10000	38.4588	94.1667	-534	PC	4.7	2	9.3	0	1.1	1	0.501	2	4.258	2	8.500	0	2171	49	1.8
4758.6	10000	38.4588	94.1660	-535	PC	4.7	2	9.0	0	1.1	1	0.518	2	4.425	2	8.543	0	2122	53	1.8
4758.7	10000	38.4587	94.1652	-536	PC	4.8	2	8.8	-1	1.0	-1	0.541	2	4.942	3	9.129	0	2104	42	1.8
4758.8	10000	38.4587	94.1645	-537	PC	4.5	2	8.5	-1	1.0	0	0.528	2	4.499	2	8.528	0	2101	44	1.8
4758.9	10000	38.4588	94.1638	-538	PC	4.3	1	8.8	0	1.0	0	0.483	2	4.307	2	8.917	0	2092	39	1.8
4759.0	10000	38.4587	94.1630	-539	PC	4.2	1	9.1	0	0.9	-1	0.462	1	4.484	2	9.708	1	2090	33	1.8
4759.1	10000	38.4587	94.1623	-540	PC	4.1	1	9.0	0	0.9	-1	0.449	1	4.352	2	9.683	1	2084	43	1.8
4759.2	10000	38.4587	94.1616	-541	PC	3.6	1	9.2	0	1.0	-1	0.391	1	3.779	1	9.662	1	2063	29	1.8
4759.3	10000	38.4587	94.1608	-541	PC	3.3	1	9.6	0	0.9	-1	0.346	0	3.517	1	10.170	1	2057	43	1.8
4759.4	10000	38.4587	94.1601	-542	PC	3.2	1	9.3	0	0.9	0	0.346	0	3.247	1	9.380	0	2052	52	1.8
4759.5	10000	38.4587	94.1594	-543	PC	2.8	1	9.6	0	0.9	0	0.292	0	2.831	1	9.694	1	2040	47	1.8
4759.6	10000	38.4587	94.1586	-543	PC	2.6	1	9.7	0	0.9	0	0.318	0	2.914	1	9.157	1	2049	48	1.8
4759.7	10000	38.4587	94.1579	-544	PC	3.1	1	9.7	0	1.0	0	0.340	0	2.966	1	9.731	1	2040	38	1.8
4759.8	10000	38.4587	94.1572	-545	PC	3.7	1	9.7	0	1.1	0	0.360	0	2.792	1	8.177	0	2048	47	1.8
4759.9	10000	38.4587	94.1564	-546	PC	5.2	2	9.7	0	1.3	0	0.356	0	2.934	1	8.152	0	2050	53	1.8
4760.0	10000	38.4587	94.1557	-547	PC	6.3	2	9.7	0	1.5	0	0.331	0	2.794	1	7.842	-1	2046	48	1.8
4760.1	10000	38.4587	94.1550	-548	PC	7.5	2	9.7	0	1.7	0	0.379	0	2.567	1	7.746	-1	2047	37	1.8
4760.2	10000	38.4587	94.1543	-549	PC	8.2	2	9.7	0	1.8	0	0.363	0	2.867	1	7.573	-1	2065	45	1.8
4760.3	10000	38.4587	94.1535	-550	PC	8.0	2	9.7	0	1.8	0	0.329	0	2.845	1	7.839	-1	2077	38	1.8
4760.4	10000	38.4587	94.1528	-552	PC	8.0	2	9.8	0	1.8	0	0.309	0	2.544	1	7.739	-1	2076	43	1.8
4760.5	10000	38.4587	94.1521	-553	PC	7.9	2	9.8	0	1.8	0	0.279	0	2.454	1	7.940	-1	2091	54	1.8
4760.6	10000	38.4587	94.1513	-555	PC	7.7	2	9.8	0	1.7	0	0.292	0	2.147	1	7.700	-1	2123	36	1.8
4760.7	10000	38.4587	94.1506	-557	PC	7.5	2	9.8	0	1.7	0	0.278	0	2.152	1	7.379	-1	2167	44	1.8
4760.8	10000	38.4587	94.1499	-559	PC	7.3	2	9.8	0	1.7	0	0.279	0	2.125	1	7.619	-1	2194	40	1.8
4760.9	10000	38.4587	94.1491	-561	PC	7.1	2	9.8	0	1.6	0	0.269	0	2.033	1	7.593	-1	2224	59	1.8
4761.0	10000	38.4587	94.1484	-562	PC	6.9	2	9.8	0	1.6	0	0.282	0	2.137	1	7.553	-1	2255	39	1.8
4761.1	10000	38.4587	94.1477	-564	PC	6.7	2	9.8	0	1.5	0	0.312	0	2.242	1	7.415	-1	2309	33	1.8
4761.2	10000	38.4587	94.1470	-567	PC	6.5	2	9.8	0	1.5	0	0.333	0	2.397	1	7.191	-1	2328	50	1.8
4761.3	10000	38.4587	94.1462	-569	PC	6.3	2	9.8	0	1.4	0	0.320	0	2.428	1	7.269	-1	2326	39	1.8
4761.4	10000	38.4587	94.1455	-571	PC	6.1	2	9.8	0	1.4	0	0.336	0	2.512	1	7.288	-1	2323	34	1.8
4761.5	10000	38.4587	94.1448	-573	PC	5.9	2	9.8	0	1.3	0	0.355	0	2.405	1	7.984	-1	2347	50	1.8
4761.6	10000	38.4587	94.1440	-575	PC	5.7	2	9.8	0	1.3	0	0.358	0	2.405	1	7.896	-1	2339	38	1.8
4761.7	10000	38.4587	94.1433	-577	PC	5.5	2	9.8	0	1.2	0	0.339	0	2.237	1	7.715	-2	2330	47	1.8
4761.8	10000	38.4587	94.1426	-579	PC	5.3	2	9.8	0	1.2	0	0.327	0	2.130	1	7.595	-2	2314	58	1.8
4761.9	10000	38.4587	94.1418	-581	PC	5.1	2	9.8	0	1.2	0	0.310	0	2.096	1	7.509	-2	2306	52	1.8
4762.0	10000	38.4587	94.1411	-583	PC	4.9	2	9.8	0	1.1	0	0.306	0	2.046	1	7.766	-2	2305	33	1.8

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4762.1	10000	38.4587	94.1404	-585	PC	2.3	0	10.8	1	1.6	2	0.308	0	2.094	-1	6.796	-1	2305	44	2.0
4762.2	10000	38.4587	94.1396	-587	PC	2.2	0	10.8	1	1.5	2	0.292	-1	2.071	-1	7.097	-1	2283	45	2.0
4762.3	10000	38.4587	94.1389	-589	PC	2.4	0	10.8	1	1.5	2	0.316	0	2.278	-1	7.215	-1	2267	43	2.0
4762.4	10000	38.4587	94.1382	-591	PC	2.4	0	10.8	1	1.5	2	0.317	0	2.331	-1	7.365	-1	2264	50	2.0
4762.5	10000	38.4587	94.1375	-592	PC	2.3	0	11.0	1	1.4	1	0.300	-1	2.322	-1	7.739	-1	2257	42	2.0
4762.6	10000	38.4587	94.1367	-593	PC	2.1	0	11.6	2	1.4	1	0.268	-1	2.268	-1	8.462	0	2257	51	2.0
4762.7	10000	38.4587	94.1360	-594	PC	2.1	0	11.5	2	1.4	1	0.268	-1	2.225	-1	8.306	0	2271	30	2.0
4762.8	10000	38.4587	94.1353	-595	PC	2.1	0	11.3	2	1.4	1	0.272	-1	2.267	-1	8.350	0	2263	40	2.0
4762.9	10000	38.4587	94.1345	-596	PC	2.1	0	11.2	2	1.4	1	0.279	-1	2.188	-1	7.857	-1	2273	48	2.0
4763.0	10000	38.4586	94.1338	-597	PC	2.7	-1	11.3	2	1.4	1	0.237	-1	1.871	-2	7.878	-1	2287	56	2.0
4763.1	10000	38.4586	94.1331	-598	PC	2.6	-1	11.3	2	1.4	2	0.233	-1	1.818	-2	7.791	-1	2304	49	2.0
4763.2	10000	38.4586	94.1323	-599	PC	2.7	-1	11.2	2	1.4	1	0.240	-1	1.899	-1	7.919	-1	2313	36	2.0
4763.3	10000	38.4586	94.1316	-600	PC	2.9	0	10.8	1	1.4	1	0.267	-1	2.042	-1	7.651	-1	2306	45	2.0
4763.4	10000	38.4586	94.1309	-600	PC	2.9	0	10.3	1	1.4	2	0.280	-1	2.007	-1	7.179	-1	2290	48	2.0
4763.5	10000	38.4586	94.1301	-601	PC	2.7	-1	10.7	1	1.4	2	0.256	-1	1.892	-1	7.398	-1	2312	42	2.0
4763.6	10000	38.4586	94.1294	-601	PC	2.8	0	11.1	2	1.4	1	0.255	-1	2.010	-1	7.877	-1	2319	48	2.0
4763.7	10000	38.4586	94.1287	-602	PC	3.0	0	11.6	2	1.4	1	0.263	-1	2.112	-1	8.030	0	2342	40	2.0
4763.8	10000	38.4586	94.1280	-603	PC	2.8	0	11.7	2	1.5	2	0.242	-1	1.958	-1	8.089	0	2335	51	2.0
4763.9	10000	38.4586	94.1272	-603	PC	2.8	-1	11.5	2	1.5	2	0.242	-1	1.868	-2	7.729	-1	2322	46	2.0
4764.0	10000	38.4586	94.1265	-604	PC	2.8	-1	11.3	2	1.4	1	0.249	-1	1.977	-1	7.957	-1	2310	38	2.1
4764.1	10000	38.4586	94.1258	-604	PC	2.9	0	11.7	2	1.4	1	0.253	-1	2.164	-1	8.569	0	2320	36	2.1
4764.2	10000	38.4586	94.1250	-605	PC	3.2	0	11.2	2	1.4	1	0.288	-1	2.362	-1	8.200	0	2313	46	2.1
4764.3	10000	38.4586	94.1243	-606	PC	3.1	0	10.8	1	1.3	1	0.288	-1	2.356	-1	8.169	0	2301	42	2.1
4764.4	10000	38.4586	94.1236	-607	PC	3.2	0	10.3	1	1.3	1	0.314	0	2.407	-1	7.677	-1	2279	34	2.1
4764.5	10000	38.4586	94.1228	-607	PC	3.3	0	10.1	1	1.3	1	0.328	0	2.488	-1	7.595	-1	2268	38	2.1
4764.6	10000	38.4586	94.1221	-607	PC	3.5	0	10.2	1	1.3	1	0.342	0	2.687	0	7.865	-1	2274	57	2.1
4764.7	10000	38.4586	94.1214	-608	PC	3.5	0	10.4	1	1.4	1	0.340	0	2.582	-1	7.589	-1	2282	42	2.1
4764.8	10000	38.4586	94.1207	-608	PC	3.3	0	10.2	1	1.4	1	0.322	0	2.295	-1	7.135	-1	2269	32	2.1
4764.9	10000	38.4586	94.1199	-608	PC	3.2	0	10.1	1	1.4	1	0.317	0	2.265	-1	7.335	-1	2253	47	2.1
4765.0	10000	38.4586	94.1192	-609	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.285	-1	7.070	-1	2247	45	2.1
4765.1	10000	38.4586	94.1185	-609	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.255	-1	7.162	-1	2225	50	2.1
4765.2	10000	38.4586	94.1177	-609	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.266	-1	6.977	-1	2210	55	2.1
4765.3	10000	38.4586	94.1170	-609	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.268	-2	6.690	-2	2193	38	2.1
4765.4	10000	38.4586	94.1163	-609	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	6.305	-2	2186	59	2.1
4765.5	10000	38.4586	94.1155	-608	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	6.472	-2	2186	54	2.1
4765.6	10000	38.4586	94.1148	-608	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	6.200	-2	2197	47	2.1
4765.7	10000	38.4586	94.1141	-608	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	6.055	-2	2182	43	2.1
4765.8	10000	38.4586	94.1133	-607	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	6.234	-2	2186	41	2.1
4765.9	10000	38.4586	94.1126	-606	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	6.348	-2	2181	38	2.1
4766.0	10000	38.4586	94.1119	-604	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	6.677	-2	2179	39	2.1
4766.1	10000	38.4586	94.1111	-603	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	7.323	-2	2168	52	2.1
4766.2	10000	38.4586	94.1104	-602	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	7.252	-2	2150	37	2.1
4766.3	10000	38.4586	94.1097	-601	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	7.913	-2	2103	32	2.1
4766.4	10000	38.4586	94.1090	-600	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	7.444	-2	2073	44	2.1
4766.5	10000	38.4586	94.1082	-600	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	7.591	-2	2041	40	2.1
4766.6	10000	38.4586	94.1075	-600	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	7.783	-2	2020	43	2.1
4766.7	10000	38.4586	94.1068	-601	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	7.779	-2	1995	39	2.1
4766.8	10000	38.4585	94.1060	-602	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	7.263	-2	1979	45	2.1
4766.9	10000	38.4585	94.1053	-602	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	7.154	-2	1958	45	2.1
4767.0	10000	38.4585	94.1046	-604	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	7.419	-2	1970	46	2.1
4767.1	10000	38.4585	94.1039	-604	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	7.484	-2	1987	48	2.1
4767.2	10000	38.4585	94.1031	-605	PC	3.1	0	10.1	1	1.4	1	0.307	0	2.252	-2	7.484	-2	2016	40	2.1

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4767.3	10000	38.4585	94.1024	-607	PC	2.7	-1	9.8	0	1.0	0	0.274	-1	2.665	0	9.731	1	2034	46	2.2
4767.4	10000	38.4585	94.1017	-609	PC	2.8	0	9.6	0	1.0	0	0.296	-1	2.898	0	9.783	1	2024	40	2.2
4767.5	10000	38.4585	94.1009	-610	PC	3.0	0	9.9	1	0.9	-1	0.299	-1	3.147	0	10.515	1	2032	43	2.2
4767.6	10000	38.4585	94.1002	-612	PC	2.9	0	9.6	0	0.9	-1	0.302	-1	3.122	0	10.353	1	2040	38	2.3
4767.7	10000	38.4585	94.0995	-614	PC	3.2	0	9.5	0	0.9	-1	0.342	0	3.548	1	10.364	1	2030	51	2.3
4767.8	10000	38.4585	94.0987	-616	PC	3.4	0	9.1	0	0.9	-1	0.369	0	3.699	1	10.024	1	2019	42	2.3
4767.9	10000	38.4585	94.0980	-617	PC	3.1	0	9.5	0	1.0	-1	0.329	0	3.243	0	9.867	1	2002	38	2.3
4768.0	10000	38.4585	94.0973	-620	PC	2.8	0	9.6	0	1.0	0	0.295	-1	2.736	0	9.268	0	2005	44	2.3
4768.1	10000	38.4585	94.0965	-620	PC	2.7	-1	9.4	0	1.1	0	0.287	-1	2.483	-1	8.638	0	2030	47	2.3
4768.2	10000	38.4585	94.0958	-622	PC	2.6	-1	9.5	0	1.1	0	0.269	-1	2.251	-1	8.382	0	2038	43	2.3
4768.3	10000	38.4585	94.0951	-623	PC	2.6	-1	9.8	0	1.1	0	0.263	-1	2.291	-1	8.717	0	2046	48	2.3
4768.4	10000	38.4585	94.0943	-624	PC	2.8	-1	9.8	0	1.1	0	0.283	-1	2.438	-1	8.616	0	2062	48	2.3
4768.5	10000	38.4585	94.0936	-624	PC	2.9	0	10.0	1	1.1	0	0.291	-1	2.574	-1	8.855	0	2094	50	2.3
4768.6	10000	38.4585	94.0929	-625	PC	3.2	0	10.1	1	1.1	0	0.316	0	2.847	0	9.019	0	2111	59	2.3
4768.7	10000	38.4585	94.0921	-625	PC	3.2	0	10.3	1	1.1	0	0.307	-1	2.932	0	9.539	1	2105	35	2.3
4768.8	10000	38.4585	94.0914	-625	PC	3.1	0	10.6	1	1.1	0	0.292	-1	2.846	0	9.757	1	2105	40	2.3
4768.9	10000	38.4585	94.0907	-625	PC	3.1	0	10.5	1	1.0	0	0.296	-1	3.045	0	10.290	1	2096	32	2.3
4769.0	10000	38.4585	94.0900	-626	PC	3.2	0	10.2	1	1.0	0	0.316	0	3.073	0	9.721	1	2093	48	2.3
4769.1	10000	38.4585	94.0892	-625	PC	2.9	0	10.1	1	1.1	0	0.284	-1	2.733	0	9.640	1	2078	44	2.3
4769.2	10000	38.4585	94.0885	-625	PC	2.8	0	10.0	1	1.1	0	0.283	-1	2.703	0	9.552	1	2058	57	2.3
4769.3	10000	38.4585	94.0878	-625	PC	2.7	-1	9.8	1	1.0	0	0.272	-1	2.663	0	9.796	1	2036	41	2.3
4769.4	10000	38.4585	94.0870	-624	PC	3.0	0	9.9	1	1.0	-1	0.306	-1	3.149	0	10.286	1	2033	49	2.3
4769.5	10000	38.4585	94.0863	-623	PC	3.1	0	9.7	1	0.9	-1	0.317	0	3.310	0	10.435	1	2023	56	2.3
4769.6	10000	38.4585	94.0856	-624	PC	3.3	0	9.4	1	0.9	-1	0.355	0	3.550	1	10.012	1	2028	41	2.3
4769.7	10000	38.4585	94.0849	-624	PC	3.4	0	9.8	1	0.9	-1	0.349	0	3.702	1	10.619	1	2044	42	2.3
4769.8	10000	38.4585	94.0841	-623	PC	3.3	0	9.7	1	0.9	-1	0.341	0	3.753	1	10.996	2	2047	45	2.3
4769.9	10000	38.4585	94.0834	-622	PC	3.4	0	9.6	1	0.9	-1	0.356	0	3.822	1	10.726	1	2048	45	2.3
4770.0	10000	38.4585	94.0827	-620	PC	3.5	0	9.7	1	1.0	-1	0.361	0	3.667	1	10.165	1	2068	48	2.3
4770.1	10000	38.4585	94.0819	-618	PC	3.1	0	9.6	1	1.0	0	0.319	0	3.046	0	9.556	1	2083	41	2.3
4770.2	10000	38.4585	94.0812	-616	PC	3.4	0	9.8	1	1.1	0	0.343	0	3.129	0	9.130	0	2111	41	2.3
4770.3	10000	38.4585	94.0805	-614	PC	3.0	0	9.7	1	1.0	0	0.307	-1	2.808	0	9.148	0	2141	51	2.3
4770.4	10000	38.4585	94.0797	-613	PC	3.2	0	9.6	1	1.1	0	0.286	-1	2.457	0	8.595	0	2158	49	2.3
4770.5	10000	38.4585	94.0790	-610	PC	3.0	0	9.6	1	1.1	0	0.274	-1	2.337	0	8.523	0	2189	49	2.3
4770.6	10000	38.4585	94.0783	-608	PC	2.9	0	9.6	1	1.1	0	0.270	-1	2.306	0	8.532	0	2210	37	2.3
4770.7	10000	38.4585	94.0775	-606	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2228	44	2.3
4770.8	10000	38.4585	94.0768	-604	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2246	39	2.3
4770.9	10000	38.4585	94.0761	-602	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2270	37	2.3
4771.0	10000	38.4584	94.0753	-600	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2263	50	2.3
4771.1	10000	38.4584	94.0746	-599	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2262	47	2.3
4771.2	10000	38.4584	94.0739	-597	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2262	44	2.3
4771.3	10000	38.4584	94.0732	-596	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2279	55	2.3
4771.4	10000	38.4584	94.0724	-594	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2248	41	2.3
4771.5	10000	38.4584	94.0717	-593	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2246	42	2.3
4771.6	10000	38.4584	94.0710	-592	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2216	39	2.3
4771.7	10000	38.4584	94.0702	-591	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2205	47	2.3
4771.8	10000	38.4584	94.0695	-590	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2189	42	2.3
4771.9	10000	38.4584	94.0688	-589	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2180	42	2.3
4772.0	10000	38.4584	94.0680	-589	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2211	40	2.3
4772.1	10000	38.4584	94.0673	-589	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2214	55	2.3
4772.2	10000	38.4584	94.0666	-589	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2232	35	2.3
4772.3	10000	38.4584	94.0659	-589	PC	2.7	0	9.5	1	1.1	0	0.255	-1	2.206	0	8.633	0	2257	33	2.3
4772.4	10000	38.4584	94.0651	-590	PC	1.9	-2	11.4	2	1.5	1	0.171	-2	1.282	-2	7.511	-1	2.2	2.2	2.2

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4772.5	10000	38.4584	94.0644	-591	PC	1.8	-2	11.6	2	1.5	2	0.159	-2	1.195	-2	7.534	-1	2256	35	2.2
4772.6	10000	38.4584	94.0637	-593	PC	2.1	-1	11.6	2	1.5	2	0.179	-2	1.379	-2	7.682	-1	2255	49	2.2
4772.7	10000	38.4584	94.0629	-594	PC	2.2	-1	11.2	2	1.5	2	0.196	-2	1.489	-2	7.592	-1	2246	44	2.2
4772.8	10000	38.4584	94.0622	-597	PC	2.2	-1	10.9	1	1.4	1	0.199	-2	1.545	-2	7.775	-1	2229	44	2.2
4772.9	10000	38.4584	94.0615	-600	PC	2.2	-1	10.7	1	1.4	1	0.203	-2	1.562	-2	7.686	-1	2225	58	2.2
4773.0	10000	38.4584	94.0607	-602	PC	2.3	-1	10.6	1	1.4	1	0.216	-2	1.617	-2	7.485	-1	2219	49	2.2
4773.1	10000	38.4584	94.0600	-605	PC	2.7	-1	10.4	1	1.4	1	0.260	-1	1.944	-1	7.492	-1	2210	37	2.2
4773.2	10000	38.4584	94.0593	-607	PC	2.8	-1	10.0	1	1.3	1	0.279	-1	2.123	-1	7.599	-1	2202	44	2.2
4773.3	10000	38.4584	94.0585	-609	PC	2.8	0	10.0	1	1.3	1	0.280	-1	2.176	-1	7.760	-1	2180	46	2.2
4773.4	10000	38.4584	94.0578	-610	PC	2.6	-1	10.4	1	1.3	1	0.246	-1	2.007	-1	8.159	0	2153	46	2.2
4773.5	10000	38.4584	94.0571	-611	PC	2.7	-1	10.4	1	1.3	1	0.264	-1	2.087	-1	7.914	-1	2147	49	2.2
4773.6	10000	38.4584	94.0564	-611	PC	2.7	-1	10.5	1	1.2	1	0.261	-1	2.210	-1	8.482	0	2114	43	2.1
4773.7	10000	38.4584	94.0556	-611	PC	2.8	-1	10.5	1	1.1	0	0.266	-1	2.441	-1	9.170	0	2077	45	2.1
4773.8	10000	38.4584	94.0549	-609	PC	2.6	-1	10.1	1	1.1	0	0.259	-1	2.269	-1	8.776	0	2050	46	2.1
4773.9	10000	38.4584	94.0542	-607	PC	2.7	-1	10.5	1	1.1	0	0.258	-1	2.388	-1	9.264	0	2050	51	2.1
4774.0	10000	38.4584	94.0534	-605	PC	2.9	0	10.8	1	1.1	0	0.289	-1	2.649	0	9.156	0	2052	57	2.1
4774.1	10000	38.4584	94.0527	-603	PC	3.3	0	9.7	1	1.0	0	0.341	0	3.274	0	9.607	1	2060	30	2.1
4774.2	10000	38.4584	94.0520	-600	PC	3.4	0	9.5	1	1.0	0	0.353	0	3.493	0	9.908	1	2059	31	2.1
4774.3	10000	38.4583	94.0512	-599	PC	3.4	0	9.5	1	1.0	0	0.354	0	3.212	0	9.065	1	2075	43	2.1
4774.4	10000	38.4583	94.0505	-596	PC	3.6	0	9.3	1	1.1	0	0.389	0	3.253	0	8.371	0	2095	50	2.1
4774.5	10000	38.4583	94.0498	-594	PC	3.6	0	9.7	1	1.1	0	0.368	0	3.260	0	8.859	0	2101	42	2.1
4774.6	10000	38.4583	94.0490	-592	PC	3.8	0	9.5	1	1.2	0	0.395	0	3.243	0	8.218	0	2108	49	2.1
4774.7	10000	38.4583	94.0483	-590	PC	3.6	0	9.4	1	1.2	0	0.380	0	2.962	0	7.800	-1	2117	45	2.1
4774.8	10000	38.4583	94.0476	-588	PC	3.4	0	9.3	1	1.3	0	0.368	0	2.664	0	7.229	-1	2110	44	2.1
4774.9	10000	38.4583	94.0469	-587	PC	3.5	0	9.1	1	1.3	0	0.385	0	2.696	0	7.010	-1	2115	45	2.1
4775.0	10000	38.4583	94.0461	-585	PC	3.6	0	9.3	1	1.3	0	0.387	0	2.839	0	7.344	-1	2108	40	2.1
4775.1	10000	38.4583	94.0454	-584	PC	3.6	0	9.4	1	1.2	0	0.382	0	2.911	0	7.619	-1	2119	35	2.1
4775.2	10000	38.4583	94.0447	-583	PC	3.5	0	9.2	1	1.2	0	0.379	0	2.844	0	7.496	-1	2130	50	2.1
4775.3	10000	38.4583	94.0439	-582	PC	3.7	0	9.2	1	1.2	0	0.396	0	3.002	0	7.584	-1	2134	52	2.1
4775.4	10000	38.4583	94.0432	-582	PC	3.7	0	9.2	1	1.1	0	0.405	0	3.354	0	8.285	-1	2142	35	2.1
4775.5	10000	38.4583	94.0425	-581	PC	3.7	0	9.7	1	1.2	0	0.382	0	3.288	0	8.609	-1	2171	54	2.1
4775.6	10000	38.4583	94.0417	-581	PC	3.7	0	9.5	1	1.2	0	0.362	0	3.011	0	8.317	-1	2164	35	2.1
4775.7	10000	38.4583	94.0410	-580	PC	3.7	0	9.3	1	1.2	0	0.360	0	2.902	0	8.057	-1	2172	56	2.1
4775.8	10000	38.4583	94.0403	-580	PC	3.7	0	9.4	1	1.2	0	0.348	0	2.783	0	7.999	-1	2161	41	2.1
4775.9	10000	38.4583	94.0396	-580	PC	3.7	0	9.5	1	1.2	0	0.372	0	2.957	0	7.941	-1	2171	32	2.1
4776.0	10000	38.4583	94.0388	-579	PC	3.7	0	9.7	1	1.2	0	0.375	0	2.844	0	7.588	-1	2198	42	2.1
4776.1	10000	38.4583	94.0381	-579	PC	3.7	0	9.8	1	1.3	0	0.351	0	2.685	0	7.656	-1	2197	43	2.1
4776.2	10000	38.4583	94.0374	-579	PC	3.7	0	9.6	1	1.3	0	0.380	0	2.884	0	7.584	-1	2194	44	2.1
4776.3	10000	38.4583	94.0366	-579	PC	3.7	0	9.4	1	1.3	0	0.322	0	2.515	0	7.816	-1	2220	49	2.1
4776.4	10000	38.4583	94.0359	-579	PC	3.6	0	9.7	1	1.3	0	0.315	0	2.606	0	8.321	-1	2228	44	2.1
4776.5	10000	38.4583	94.0352	-578	PC	3.6	0	9.7	1	1.3	0	0.329	0	2.797	0	8.495	-1	2248	33	2.1
4776.6	10000	38.4583	94.0344	-578	PC	3.6	0	9.7	1	1.3	0	0.328	0	2.770	0	8.437	-1	2228	48	2.1
4776.7	10000	38.4583	94.0337	-578	PC	3.6	0	9.7	1	1.3	0	0.309	0	2.819	0	9.135	-1	2214	46	2.1
4776.8	10000	38.4583	94.0329	-577	PC	3.6	0	9.9	1	1.3	0	0.287	0	2.573	0	8.961	-1	2215	41	2.1
4776.9	10000	38.4583	94.0321	-577	PC	3.6	0	9.9	1	1.3	0	0.284	0	2.614	0	9.205	-1	2212	45	2.1
4777.0	10000	38.4583	94.0313	-577	PC	3.6	0	9.9	1	1.3	0	0.288	0	2.945	0	9.894	-1	2190	47	2.1
4777.1	10000	38.4583	94.0306	-576	PC	3.6	0	9.9	1	1.3	0	0.325	0	3.341	0	10.271	-1	2202	41	2.1
4777.2	10000	38.4583	94.0298	-576	PC	3.6	0	9.9	1	1.3	0	0.331	0	3.301	0	9.869	-1	2200	53	2.1
4777.3	10000	38.4583	94.0290	-576	PC	3.6	0	9.9	1	1.3	0	0.337	0	3.147	0	9.942	-1	2201	42	2.1
4777.4	10000	38.4583	94.0282	-576	PC	3.6	0	9.9	1	1.3	0	0.329	0	3.191	0	9.692	-1	2186	40	2.1
4777.5	10000	38.4583	94.0274	-576	PC	3.6	0	9.9	1	1.3	0	0.325	0	3.443	0	9.755	-1	2170	56	2.1
4777.6	10000	38.4583	94.0266	-576	PC	3.7	0	10.0	1	1.3	0	0.351	0	3.363	0	9.571	-1	2160	31	2.1

LINE 670 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4777.7	10000	38.4584	94.0258	-575	PC	3.8	1	10.6	1	1.1	0	0.357	0	3.485	1	9.762	1	2161	41	2.0
4777.8	10000	38.4584	94.0251	-575	PC	3.4	1	10.6	1	1.1	0	0.319	0	3.143	1	9.868	1	2136	54	2.0
4777.9	10000	38.4584	94.0243	-577	PC	3.1	0	10.6	1	1.1	0	0.287	-1	2.839	0	9.882	1	2122	54	2.0
4778.0	10000	38.4584	94.0235	-578	PC	3.1	0	10.5	1	1.0	0	0.294	-1	3.093	0	10.507	1	2107	45	2.0
4778.1	10000	38.4584	94.0227	-579	PC	2.7	-1	10.8	1	1.0	0	0.251	-1	2.726	0	10.847	1	2092	45	2.0
4778.2	10000	38.4584	94.0219	-580	PC	2.5	-1	10.7	1	1.0	0	0.237	-1	2.553	-1	10.773	1	2071	43	2.0
4778.3	10000	38.4584	94.0211	-581	PC	2.8	0	10.7	1	1.0	-1	0.265	-1	2.925	0	11.031	2	2054	47	2.0
4778.4	10000	38.4584	94.0204	-582	PC	2.8	0	10.1	1	1.0	0	0.282	-1	2.920	0	10.363	1	2034	49	2.0
4778.5	10000	38.4584	94.0196	-583	PC	3.1	0	9.8	0	1.0	0	0.311	0	3.050	0	9.807	1	2004	47	2.1
4778.6	10000	38.4584	94.0188	-583	PC	3.1	0	9.9	1	1.0	0	0.311	0	3.045	0	9.806	1	1978	51	2.1
4778.7	10000	38.4584	94.0180	-583	PC	3.4	0	9.6	0	1.0	0	0.356	0	3.333	0	9.365	0	1973	54	2.1
4778.8	10000	38.4584	94.0172	-583	PC	3.4	0	9.3	0	1.0	0	0.359	0	3.256	0	9.074	0	1963	41	2.0
4778.9	10000	38.4584	94.0164	-583	PC	3.5	0	8.7	0	1.1	0	0.397	1	3.297	0	8.294	0	1967	53	2.0
4779.0	10000	38.4585	94.0156	-583	PC	3.1	0	8.6	-1	1.1	0	0.355	0	2.863	0	8.074	0	1969	49	2.0
4779.1	10000	38.4585	94.0148	-583	PC	2.8	0	8.8	0	1.1	0	0.318	0	2.658	0	8.367	0	1968	36	2.0
4779.2	10000	38.4585	94.0141	-583	PC	2.7	-1	8.8	0	1.0	0	0.310	0	2.627	-1	8.477	0	1983	46	2.0
4779.3	10000	38.4585	94.0133	-583	PC	2.9	0	9.3	0	1.1	0	0.313	0	2.857	0	9.117	0	1993	42	2.0
4779.4	10000	38.4585	94.0125	-583	PC	2.6	-1	9.3	0	1.1	0	0.282	-1	2.465	-1	8.754	0	1998	50	2.0
4779.5	10000	38.4585	94.0117	-583	PC	2.8	0	9.2	0	1.1	0	0.309	0	2.569	-1	8.325	0	2006	45	2.0
4779.6	10000	38.4585	94.0109	-584	PC	2.6	-1	9.6	0	1.1	0	0.269	-1	2.293	-1	8.528	0	2017	36	2.0
4779.7	10000	38.4585	94.0101	-584	PC	2.5	-1	9.8	0	1.1	0	0.254	-1	2.189	-1	8.604	0	2016	44	2.0
4779.8	10000	38.4585	94.0094	-584	PC	2.6	-1	9.6	0	1.1	0	0.272	-1	2.239	-1	8.241	0	2022	48	2.0
4779.9	10000	38.4585	94.0086	-585	PC	2.8	-1	9.4	0	1.1	0	0.295	-1	2.348	-1	7.967	-1	2008	36	2.0
4780.0	10000	38.4585	94.0078	-585	PC	2.8	-1	9.8	0	1.1	0	0.310	-1	2.412	-1	7.769	-1	1979	49	2.0
4780.1	10000	38.4585	94.0070	-584	PC	2.9	0	8.8	0	1.1	0	0.326	0	2.721	0	8.355	0	1951	51	2.0
4780.2	10000	38.4585	94.0062	-579	PC	2.6	-1	8.5	0	1.0	0	0.301	-1	2.659	0	8.829	0	1917	60	2.0
4780.3	10000	38.4586	94.0054	-567	PC	3.1	0	8.8	-1	1.0	-1	0.361	0	3.229	0	8.948	0	1887	48	2.0
4780.4	10000	38.4586	94.0046	-563	PC	3.3	0	8.7	-1	1.0	-1	0.393	0	3.369	0	8.575	0	1868	40	2.0
4780.5	10000	38.4586	94.0039	-570	PC	3.5	0	7.8	-1	1.0	-1	0.444	1	3.636	1	8.181	0	1847	44	2.0
4780.6	10000	38.4586	94.0031	-571	PC	3.4	0	7.9	-1	0.9	-1	0.425	1	3.615	1	8.506	0	1826	50	2.0
4780.7	10000	38.4586	94.0023	-572	PC	3.4	0	7.9	-1	1.0	-1	0.430	1	3.527	1	8.204	0	1815	47	2.0
4780.8	10000	38.4586	94.0015	-575	PC	3.2	0	8.0	-1	1.0	0	0.404	1	3.230	0	7.998	-1	1802	41	2.0
4780.9	10000	38.4586	94.0007	-580	PC	3.4	0	8.1	-1	1.0	0	0.426	1	3.424	1	8.044	0	1794	37	2.0

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4500.9	10000	38.3701	96.0000	-450	QAL	3.5	1	8.8	0	1.2	0	0.395	1	2.878	1	7.294	0	2077	57	2.2
4500.8	10000	38.3702	95.9992	-451	QAL	3.6	1	8.8	0	1.2	0	0.411	1	2.940	1	7.154	0	2095	39	2.2
4500.7	10000	38.3702	95.9984	-451	WATER	.6	999	9.2	999	1.2	999	0.392	999	2.918	999	7.444	999	2116	54	2.2
4500.6	10000	38.3702	95.9976	-451	WATER	.6	999	9.3	999	1.2	999	0.385	999	3.054	999	7.925	999	2132	35	2.2
4500.5	10000	38.3702	95.9969	-451	WATER	.5	999	9.5	999	1.1	999	0.375	999	3.092	999	8.244	999	2158	45	2.2
4500.4	10000	38.3702	95.9961	-451	WATER	.7	999	9.5	999	1.2	999	0.383	999	3.120	999	8.146	999	2193	31	2.1
4500.3	10000	38.3703	95.9953	-451	WATER	.8	999	9.9	999	1.2	999	0.378	999	3.191	999	8.451	999	2226	50	2.1
4500.2	10000	38.3703	95.9945	-451	WATER	.7	999	9.8	999	1.1	999	0.374	999	3.200	999	8.566	999	2227	50	2.1
4500.1	10000	38.3703	95.9937	-452	WATER	.3	999	10.0	999	1.2	999	0.331	999	2.840	999	8.592	999	2201	44	2.1
4500.0	10000	38.3703	95.9930	-454	WATER	.4	999	9.6	999	1.2	999	0.349	999	2.868	999	8.222	999	2169	42	2.1
4499.9	10000	38.3703	95.9922	-453	WATER	.2	999	9.4	999	1.3	999	0.341	999	2.533	999	7.420	999	2137	46	2.1
4499.8	10000	38.3704	95.9914	-446	WATER	.0	999	9.4	999	1.2	999	0.313	999	2.475	999	7.916	999	2092	46	2.1
4499.7	10000	38.3704	95.9906	-440	WATER	.1	999	9.5	999	1.1	999	0.324	999	2.670	999	8.253	999	2068	45	2.0
4499.6	10000	38.3704	95.9898	-445	WATER	.1	999	9.3	999	1.1	999	0.336	999	2.798	999	8.329	999	2044	41	2.0
4499.5	10000	38.3704	95.9891	-456	QAL	.1	0	8.7	0	1.2	0	0.359	0	2.681	0	7.469	0	2041	42	2.0
4499.4	10000	38.3704	95.9883	-459	QAL	.6	1	8.6	0	1.1	-1	0.412	1	3.173	1	7.696	0	2046	50	2.0
4499.3	10000	38.3705	95.9875	-460	QAL	.5	1	8.4	-1	1.1	-1	0.419	1	3.178	1	7.582	0	2043	47	2.0
4499.2	10000	38.3705	95.9867	-457	QAL	.5	1	8.2	-1	1.1	-1	0.431	1	3.246	1	7.526	0	2046	50	2.0
4499.1	10000	38.3705	95.9859	-454	QAL	.6	1	8.2	-1	1.1	-1	0.437	2	3.193	1	7.306	0	2066	55	2.0
4499.0	10000	38.3705	95.9852	-460	QAL	.6	1	8.6	0	1.1	0	0.411	1	3.100	1	7.547	0	2089	50	2.0
4498.9	10000	38.3705	95.9844	-462	QAL	.4	1	9.2	0	1.1	0	0.367	0	2.952	1	8.040	0	2090	47	2.0
4498.8	10000	38.3705	95.9836	-459	QAL	.4	1	10.2	1	1.2	0	0.335	0	2.909	1	8.695	1	2106	60	2.0
4498.7	10000	38.3706	95.9828	-451	QAL	.1	0	10.2	1	1.2	0	0.301	-1	2.553	0	8.478	1	2121	45	2.0
4498.6	10000	38.3706	95.9820	-455	QAL	.2	0	10.6	1	1.2	0	0.299	-1	2.615	0	8.747	1	2148	37	2.0
4498.5	10000	38.3706	95.9813	-464	PW	.2	0	11.1	1	1.2	0	0.285	0	2.575	0	9.034	1	2190	53	2.0
4498.4	10000	38.3706	95.9805	-468	PW	.3	0	11.3	2	1.2	0	0.294	0	2.787	1	9.459	1	2198	39	1.9
4498.3	10000	38.3706	95.9797	-470	PW	.3	0	11.3	2	1.2	0	0.294	0	2.787	1	9.459	1	2205	46	1.9
4498.2	10000	38.3707	95.9789	-470	PW	.4	0	11.3	2	1.2	0	0.305	0	2.787	1	9.278	1	2218	55	1.9
4498.1	10000	38.3707	95.9781	-470	PW	.4	0	11.3	2	1.2	0	0.313	0	2.787	1	9.182	1	2207	51	1.9
4498.0	10000	38.3707	95.9774	-470	PW	.5	0	11.3	2	1.2	0	0.320	0	2.787	1	9.282	1	2180	58	1.9
4497.9	10000	38.3707	95.9766	-470	PW	.3	0	11.3	2	1.2	0	0.307	0	2.787	1	9.876	1	2149	44	1.9
4497.8	10000	38.3707	95.9758	-470	PW	.2	0	11.3	2	1.2	0	0.292	0	2.787	1	9.671	1	2098	59	1.9
4497.7	10000	38.3708	95.9750	-470	PW	.0	0	11.3	2	1.2	0	0.271	0	2.787	1	9.163	1	2070	38	1.9
4497.6	10000	38.3708	95.9742	-470	PW	.0	0	11.3	2	1.2	0	0.288	0	2.787	1	9.507	1	2022	47	1.9
4497.5	10000	38.3708	95.9735	-471	PW	.0	0	11.3	2	1.2	0	0.290	0	2.787	1	9.574	1	2003	48	1.9
4497.4	10000	38.3708	95.9727	-470	PW	.0	0	11.3	2	1.2	0	0.296	0	2.787	1	9.774	1	1982	52	1.9
4497.3	10000	38.3708	95.9719	-471	PW	.0	0	11.3	2	1.2	0	0.314	0	2.787	1	10.094	1	1988	44	1.9
4497.2	10000	38.3708	95.9711	-470	PW	.0	0	11.3	2	1.2	0	0.324	0	2.787	1	10.345	1	2000	52	1.9
4497.1	10000	38.3709	95.9703	-470	PW	.0	0	11.3	2	1.2	0	0.352	0	2.787	1	10.748	1	2004	45	1.9
4497.0	10000	38.3709	95.9696	-470	PW	.0	0	11.3	2	1.2	0	0.346	1	2.787	1	10.376	1	1989	44	1.9
4496.9	10000	38.3709	95.9688	-470	PW	.0	0	11.3	2	1.2	0	0.351	1	2.787	1	10.076	1	1992	49	1.9
4496.8	10000	38.3709	95.9680	-469	PW	.0	0	11.3	2	1.2	0	0.398	1	2.787	1	10.915	1	1989	44	1.9
4496.7	10000	38.3709	95.9672	-469	PW	.0	0	11.3	2	1.2	0	0.409	1	2.787	1	10.126	1	1997	36	1.9
4496.6	10000	38.3709	95.9664	-469	PW	.0	0	11.3	2	1.2	0	0.375	1	2.787	1	10.619	1	1998	47	1.9
4496.5	10000	38.3710	95.9657	-469	PW	.0	0	11.3	2	1.2	0	0.342	1	2.787	1	10.121	1	1986	38	1.9
4496.4	10000	38.3710	95.9649	-469	PW	.0	0	11.3	2	1.2	0	0.354	1	2.787	1	10.199	1	2007	57	1.9
4496.3	10000	38.3710	95.9641	-469	PW	.0	0	11.3	2	1.2	0	0.360	1	2.787	1	10.756	1	2037	38	1.9
4496.2	10000	38.3710	95.9633	-469	PW	.0	0	11.3	2	1.2	0	0.385	1	2.787	1	10.637	1	2051	56	1.9
4496.1	10000	38.3710	95.9625	-469	PW	.0	0	11.3	2	1.2	0	0.327	1	2.787	1	10.485	1	2056	47	1.9
4496.0	10000	38.3711	95.9618	-469	PW	.0	0	11.3	2	1.2	0	0.275	1	2.787	1	10.212	1	2049	48	1.9
4495.9	10000	38.3711	95.9610	-469	PW	.0	0	11.3	2	1.2	0	0.289	1	2.787	1	10.174	1	2032	45	1.9
4495.8	10000	38.3711	95.9602	-469	PW	.0	0	11.3	2	1.2	0	0.289	1	2.787	1	10.226	1	2024	48	1.9

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4495.7	10000	38.3711	95.9594	-469	PW	2.9	0	10.0	0	1.0	-1	0.292	0	2.886	1	9.893	2	2005	47	2.0
4495.6	10000	38.3711	95.9586	-469	PW	2.8	0	10.0	0	1.1	-1	0.275	-1	2.622	0	9.535	1	2011	49	2.0
4495.5	10000	38.3712	95.9579	-469	PW	2.4	-1	10.7	1	1.1	-1	0.225	-2	2.248	0	10.002	2	2021	42	2.0
4495.4	10000	38.3712	95.9571	-469	PW	2.3	-1	10.6	1	1.1	-1	0.220	-2	2.205	-1	10.010	2	2036	52	2.0
4495.3	10000	38.3712	95.9563	-468	PW	2.4	-1	10.5	1	1.1	-1	0.227	-2	2.221	0	9.789	2	2063	53	2.0
4495.2	10000	38.3712	95.9555	-468	PW	2.5	-1	10.4	1	1.1	-1	0.239	-1	2.334	0	9.775	2	2083	46	2.0
4495.1	10000	38.3712	95.9547	-468	PW	2.5	-1	10.2	0	1.1	-1	0.247	-1	2.370	0	9.588	1	2109	61	2.0
4495.0	10000	38.3712	95.9540	-467	PW	2.7	-1	10.3	0	1.1	-1	0.264	-1	2.566	0	9.720	2	2118	33	2.0
4494.9	10000	38.3713	95.9532	-467	PW	2.7	-1	10.3	0	1.0	-1	0.261	-1	2.601	0	9.962	2	2112	64	2.0
4494.8	10000	38.3713	95.9524	-466	PW	2.1	0	10.0	0	1.0	-1	0.307	0	3.011	1	9.801	2	2119	42	2.0
4494.7	10000	38.3713	95.9516	-465	PW	2.1	0	10.4	1	1.0	-2	0.297	0	3.164	1	10.659	3	2118	44	2.0
4494.6	10000	38.3713	95.9509	-465	PW	2.2	0	10.3	0	1.0	-2	0.306	0	3.248	2	10.625	2	2121	45	2.0
4494.5	10000	38.3713	95.9501	-463	PW	2.1	0	10.6	1	1.1	-1	0.289	0	2.868	1	9.912	2	2146	45	2.0
4494.4	10000	38.3714	95.9493	-462	PW	2.3	1	10.6	1	1.1	-1	0.308	0	2.943	1	9.573	1	2162	43	2.1
4494.3	10000	38.3714	95.9485	-461	PW	2.4	1	10.8	1	1.1	-1	0.316	0	3.144	1	9.956	2	2182	45	2.1
4494.2	10000	38.3714	95.9477	-459	PW	2.5	1	10.5	1	1.1	-1	0.336	1	3.235	2	9.636	1	2207	41	2.1
4494.1	10000	38.3714	95.9469	-457	PW	2.4	1	10.7	1	1.1	-1	0.321	0	3.073	1	9.573	1	2213	53	2.1
4494.0	10000	38.3714	95.9462	-455	PW	2.5	1	10.2	0	1.1	-1	0.339	1	3.090	1	9.114	1	2212	50	2.1
4493.9	10000	38.3715	95.9454	-453	PW	2.6	1	10.2	0	1.1	-1	0.350	1	3.119	1	8.919	1	2197	43	2.1
4493.8	10000	38.3715	95.9446	-451	PW	2.8	2	9.8	0	1.1	-1	0.393	2	3.612	2	9.182	1	2183	49	2.1
4493.7	10000	38.3715	95.9438	-449	PW	2.5	1	9.7	0	1.0	-1	0.361	1	3.390	2	9.388	1	2150	50	2.1
4493.6	10000	38.3715	95.9430	-447	PW	2.4	1	9.4	-1	1.1	-1	0.359	1	3.179	1	8.863	1	2124	58	2.1
4493.5	10000	38.3715	95.9423	-445	PW	2.2	0	9.6	0	1.0	-1	0.331	1	3.036	1	9.169	1	2094	41	2.1
4493.4	10000	38.3715	95.9415	-443	PW	2.1	0	9.2	-1	1.1	-1	0.339	1	2.867	1	8.468	0	2077	50	2.1
4493.3	10000	38.3716	95.9407	-441	PW	2.1	0	9.2	-1	1.1	-1	0.333	1	2.725	1	8.179	0	2078	38	2.1
4493.2	10000	38.3716	95.9399	-438	PW	2.2	1	9.5	0	1.1	-1	0.337	1	2.786	1	8.268	0	2090	31	2.1
4493.1	10000	38.3716	95.9391	-436	PW	2.1	0	9.3	-1	1.1	-1	0.315	1	2.790	1	8.866	0	2076	32	2.1
4493.0	10000	38.3716	95.9384	-435	PW	2.2	1	9.5	0	1.1	-1	0.345	1	3.025	1	8.763	0	2078	53	2.1
4492.9	10000	38.3716	95.9376	-433	PW	2.3	1	9.6	0	1.1	-1	0.373	1	3.202	1	8.574	0	2066	52	2.1
4492.8	10000	38.3717	95.9368	-432	PW	2.3	1	9.6	0	1.1	-1	0.388	1	3.364	1	8.676	0	2068	56	2.1
4492.7	10000	38.3717	95.9360	-431	PW	2.4	1	9.8	0	1.1	-1	0.391	1	3.664	1	8.364	0	2059	49	2.1
4492.6	10000	38.3717	95.9352	-430	PW	2.5	1	9.9	0	1.1	-1	0.402	1	3.673	1	8.146	0	2051	39	2.1
4492.5	10000	38.3717	95.9345	-429	PW	2.6	1	10.1	0	1.1	-1	0.427	1	3.782	1	8.864	0	2034	47	2.1
4492.4	10000	38.3717	95.9337	-429	PW	2.6	1	10.1	0	1.1	-1	0.393	1	3.622	1	8.215	0	2026	45	2.1
4492.3	10000	38.3717	95.9329	-428	PW	2.6	1	10.1	0	1.1	-1	0.352	1	3.385	1	8.604	0	2029	40	2.1
4492.2	10000	38.3718	95.9321	-428	PW	2.6	1	10.1	0	1.1	-1	0.335	1	3.163	1	8.860	0	2043	46	2.1
4492.1	10000	38.3718	95.9314	-428	PW	2.6	1	10.1	0	1.1	-1	0.326	1	3.033	1	8.449	0	2046	57	2.1
4492.0	10000	38.3718	95.9306	-427	PW	2.6	1	10.1	0	1.1	-1	0.318	1	2.973	1	8.111	0	2067	43	2.1
4491.9	10000	38.3718	95.9298	-427	PW	2.6	1	10.1	0	1.1	-1	0.300	1	2.945	1	8.258	0	2074	71	2.1
4491.8	10000	38.3718	95.9290	-427	PW	2.6	1	10.1	0	1.1	-1	0.327	1	2.861	1	8.532	0	2082	50	2.1
4491.7	10000	38.3718	95.9282	-427	PW	2.6	1	10.1	0	1.1	-1	0.347	1	2.910	1	8.903	0	2110	51	2.1
4491.6	10000	38.3719	95.9274	-426	PW	2.6	1	10.1	0	1.1	-1	0.345	1	2.902	1	8.941	0	2130	46	2.1
4491.5	10000	38.3719	95.9267	-426	PW	2.6	1	10.1	0	1.1	-1	0.327	1	2.851	1	8.902	0	2149	63	2.1
4491.4	10000	38.3719	95.9259	-425	PW	2.6	1	10.1	0	1.1	-1	0.329	1	2.837	1	8.512	0	2162	55	2.1
4491.3	10000	38.3719	95.9251	-425	PW	2.6	1	10.1	0	1.1	-1	0.317	1	2.775	1	8.438	0	2184	50	2.1
4491.2	10000	38.3719	95.9243	-424	PW	2.6	1	10.1	0	1.1	-1	0.317	1	2.775	1	8.438	0	2206	53	2.1
4491.1	10000	38.3720	95.9236	-424	PW	2.6	1	10.1	0	1.1	-1	0.317	1	2.775	1	8.438	0	2240	53	2.1
4491.0	10000	38.3720	95.9228	-423	PW	2.6	1	10.1	0	1.1	-1	0.317	1	2.775	1	8.438	0	2337	56	2.1
4490.9	10000	38.3720	95.9220	-422	PW	2.6	1	10.1	0	1.1	-1	0.317	1	2.775	1	8.438	0	2423	47	2.1
4490.8	10000	38.3720	95.9212	-422	PW	2.6	1	10.1	0	1.1	-1	0.317	1	2.775	1	8.438	0	2534	54	2.1
4490.7	10000	38.3720	95.9204	-421	PW	2.6	1	10.1	0	1.1	-1	0.317	1	2.775	1	8.438	0	2545	45	2.1
4490.6	10000	38.3721	95.9196	-421	PW	2.6	1	10.1	0	1.1	-1	0.317	1	2.775	1	8.438	0	2600	45	2.1

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4490.5	10000	38.3721	95.9189	-420	PW	3.6	1	10.6	1	1.2	0	0.344	1	3.079	1	8.960	1	2224	50	2.0
4490.4	10000	38.3721	95.9181	-420	PW	3.6	1	10.6	1	1.1	-1	0.343	1	3.260	2	9.512	1	2191	46	2.0
4490.3	10000	38.3721	95.9173	-419	PW	3.5	1	10.3	0	1.1	-1	0.334	1	3.060	1	9.151	1	2190	42	2.0
4490.2	10000	38.3721	95.9165	-418	PW	3.5	1	10.6	1	1.1	-1	0.327	1	3.162	1	9.663	2	2188	48	2.0
4490.1	10000	38.3721	95.9158	-418	PW	3.6	1	10.3	0	1.1	-1	0.347	1	3.313	2	9.552	1	2184	43	2.0
4490.0	10000	38.3722	95.9150	-417	PW	3.4	1	10.3	0	1.1	-1	0.335	1	3.265	2	9.754	2	2170	49	2.0
4489.9	10000	38.3722	95.9142	-417	PW	3.5	1	10.5	1	1.1	-1	0.335	1	3.322	2	9.908	2	2176	51	2.0
4489.8	10000	38.3722	95.9134	-416	PW	3.6	1	10.4	1	1.1	-1	0.342	1	3.378	2	9.885	2	2174	48	2.0
4489.7	10000	38.3722	95.9126	-415	PW	3.6	1	11.0	1	1.0	-1	0.326	0	3.429	2	10.527	2	2189	47	2.0
4489.6	10000	38.3722	95.9118	-415	PW	3.8	2	11.1	1	1.0	-1	0.339	1	3.594	2	10.609	2	2190	59	2.0
4489.5	10000	38.3723	95.9111	-414	PW	3.9	2	11.0	1	1.1	-1	0.357	1	3.577	2	10.008	2	2196	44	2.0
4489.4	10000	38.3723	95.9103	-413	PW	4.1	2	11.1	1	1.1	-1	0.371	1	3.731	3	10.063	2	2196	52	2.0
4489.3	10000	38.3723	95.9095	-413	PW	4.1	2	11.1	1	1.1	-1	0.373	1	3.700	3	9.913	2	2220	55	2.0
4489.2	10000	38.3723	95.9087	-412	PW	4.0	2	11.4	2	1.1	-1	0.348	1	3.564	3	10.251	2	2225	38	2.0
4489.1	10000	38.3723	95.9079	-412	PW	4.1	2	11.6	1	1.1	-1	0.353	1	3.722	3	10.542	2	2214	41	2.0
4489.0	10000	38.3723	95.9072	-411	PW	3.8	2	11.2	1	1.1	-1	0.343	1	3.387	2	9.869	2	2205	39	2.0
4488.9	10000	38.3724	95.9064	-411	PW	3.7	1	11.1	1	1.2	0	0.331	1	3.127	1	9.459	1	2219	41	2.0
4488.8	10000	38.3724	95.9056	-410	PW	3.6	1	10.9	1	1.2	0	0.329	1	3.073	1	9.349	1	2220	51	2.0
4488.7	10000	38.3724	95.9048	-409	PW	3.5	1	11.1	1	1.2	0	0.311	0	2.945	1	9.468	1	2231	58	2.0
4488.6	10000	38.3724	95.9041	-408	PW	3.4	1	11.5	2	1.2	0	0.299	0	2.760	1	9.229	1	2243	56	2.0
4488.5	10000	38.3724	95.9033	-408	PW	3.5	1	11.3	1	1.2	0	0.311	0	2.776	1	8.926	1	2259	48	2.0
4488.4	10000	38.3724	95.9025	-407	PS	3.4	1	11.2	1	1.2	0	0.300	0	2.658	1	8.870	0	2278	50	2.0
4488.3	10000	38.3725	95.9017	-406	PS	3.5	1	11.2	1	1.2	0	0.314	0	2.761	1	8.791	0	2292	55	2.0
4488.2	10000	38.3725	95.9009	-405	PS	3.7	1	11.5	2	1.2	0	0.322	0	3.017	1	9.365	1	2292	55	2.0
4488.1	10000	38.3725	95.9001	-405	PS	3.7	1	11.6	2	1.2	0	0.316	0	3.030	1	9.588	1	2292	49	2.0
4488.0	10000	38.3725	95.8994	-405	PS	3.8	1	11.2	2	1.2	0	0.335	0	3.067	1	9.143	1	2292	44	2.0
4487.9	10000	38.3725	95.8986	-405	PS	3.6	1	10.9	2	1.2	0	0.329	0	2.973	1	9.050	1	2281	45	2.0
4487.8	10000	38.3726	95.8978	-405	PS	3.9	2	10.9	2	1.2	0	0.354	0	3.343	1	9.455	1	2268	42	2.0
4487.7	10000	38.3726	95.8970	-405	PS	3.9	2	11.1	2	1.2	0	0.360	0	3.353	1	9.310	1	2261	51	2.0
4487.6	10000	38.3726	95.8963	-406	PS	3.7	1	11.1	2	1.2	0	0.332	0	3.180	1	9.570	1	2263	36	2.0
4487.5	10000	38.3726	95.8955	-407	PS	3.6	1	11.0	2	1.2	0	0.317	0	3.013	1	9.489	1	2253	50	2.0
4487.4	10000	38.3726	95.8947	-408	PS	3.4	1	10.9	2	1.2	0	0.316	0	2.881	1	9.132	1	2256	48	2.0
4487.3	10000	38.3727	95.8939	-409	PS	3.4	1	10.9	2	1.2	0	0.279	0	2.647	1	9.490	1	2244	45	2.0
4487.2	10000	38.3727	95.8931	-411	PS	3.4	1	10.9	2	1.2	0	0.288	0	2.923	1	10.155	1	2224	47	2.0
4487.1	10000	38.3727	95.8923	-412	PS	3.4	1	10.9	2	1.2	0	0.268	0	2.752	1	10.283	1	2216	44	2.0
4487.0	10000	38.3727	95.8916	-414	PS	3.4	1	10.9	2	1.2	0	0.260	0	2.569	1	9.873	1	2199	44	2.0
4486.9	10000	38.3727	95.8908	-416	PS	3.4	1	10.9	2	1.2	0	0.294	0	2.942	1	10.015	1	2183	49	2.0
4486.8	10000	38.3727	95.8900	-418	PS	3.4	1	10.9	2	1.2	0	0.322	0	3.108	1	9.656	1	2183	34	2.0
4486.7	10000	38.3728	95.8892	-420	PS	3.4	1	10.9	2	1.2	0	0.347	0	3.423	2	9.860	1	2167	34	2.0
4486.6	10000	38.3728	95.8885	-422	PS	3.4	1	10.9	2	1.2	0	0.379	0	3.636	2	9.597	1	2161	49	2.0
4486.5	10000	38.3728	95.8877	-424	PS	3.4	1	10.9	2	1.2	0	0.404	0	3.543	2	9.764	1	2168	53	2.0
4486.4	10000	38.3728	95.8869	-427	PS	3.4	1	10.9	2	1.2	0	0.461	0	3.791	2	9.232	1	2168	44	2.0
4486.3	10000	38.3728	95.8861	-429	PS	3.4	1	10.9	2	1.2	0	0.444	0	3.697	2	9.324	1	2171	48	2.0
4486.2	10000	38.3729	95.8853	-432	PS	3.4	1	10.9	2	1.2	0	0.412	0	3.421	2	9.309	1	2173	47	2.0
4486.1	10000	38.3729	95.8846	-434	PS	3.4	1	10.9	2	1.2	0	0.399	0	3.310	2	9.297	1	2177	49	2.0
4486.0	10000	38.3729	95.8838	-437	PS	3.4	1	10.9	2	1.2	0	0.351	0	2.946	2	9.405	1	2181	46	2.0
4485.9	10000	38.3729	95.8830	-439	PS	3.4	1	10.9	2	1.2	0	0.326	0	2.852	2	9.757	1	2184	52	2.0
4485.8	10000	38.3729	95.8822	-441	PS	3.4	1	10.9	2	1.2	0	0.313	0	2.772	2	9.775	1	2170	45	2.0
4485.7	10000	38.3729	95.8814	-444	PS	3.4	1	10.9	2	1.2	0	0.293	0	2.695	2	9.201	1	2152	33	2.0
4485.6	10000	38.3730	95.8806	-447	PS	3.4	1	10.9	2	1.2	0	0.313	0	2.688	2	9.683	1	2142	45	2.0
4485.5	10000	38.3730	95.8799	-449	PS	3.4	1	10.9	2	1.2	0	0.312	0	2.699	2	9.584	1	2112	50	2.0
4485.4	10000	38.3730	95.8791	-452	PS	3.2	1	10.9	2	1.2	0	0.338	0	3.319	3	9.805	1	2081	52	2.1

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4485.3	10000	38.3730	95.8783	-454	PS	3.4	1	9.0	-1	1.0	-1	0.375	1	3.537	2	9.436	1	2068	52	2.1
4485.2	10000	38.3730	95.8775	-456	PS	3.5	1	8.8	-1	0.9	-2	0.400	1	3.875	2	9.694	1	2049	40	2.1
4485.1	10000	38.3730	95.8768	-458	PS	3.5	1	9.0	-1	0.9	-2	0.390	1	4.034	3	10.352	2	2039	49	2.1
4485.0	10000	38.3731	95.8760	-459	PS	3.3	0	8.8	-1	0.9	-2	0.371	1	3.624	2	9.764	1	2038	38	2.1
4484.9	10000	38.3731	95.8752	-461	PS	3.4	1	8.8	-1	0.9	-1	0.390	1	3.627	2	9.303	1	2056	48	2.1
4484.8	10000	38.3731	95.8744	-462	PS	3.3	0	9.0	-1	1.0	-1	0.371	1	3.403	1	9.176	1	2084	51	2.1
4484.7	10000	38.3731	95.8736	-464	PS	3.3	0	9.4	0	1.0	-1	0.354	0	3.338	1	9.441	1	2122	41	2.1
4484.6	10000	38.3731	95.8727	-465	PS	3.5	1	9.8	0	1.0	-1	0.357	0	3.416	1	9.569	1	2154	54	2.1
4484.5	10000	38.3731	95.8719	-466	PS	3.5	1	9.7	0	1.1	0	0.363	0	3.227	1	8.888	0	2210	44	2.1
4484.4	10000	38.3731	95.8711	-467	PS	3.5	1	10.1	0	1.1	0	0.346	0	3.102	1	8.973	1	2264	48	2.1
4484.3	10000	38.3731	95.8703	-468	PS	3.7	1	10.5	1	1.2	0	0.354	0	3.168	1	8.956	1	2315	52	2.1
4484.2	10000	38.3731	95.8695	-468	PS	3.9	2	11.0	1	1.2	0	0.351	0	3.257	1	9.286	1	2353	60	2.1
4484.1	10000	38.3731	95.8687	-469	PS	4.0	1	11.3	1	1.2	0	0.350	0	3.326	1	9.488	1	2384	54	2.2
4484.0	10000	38.3731	95.8678	-470	PS	3.6	1	11.2	1	1.3	0	0.319	0	2.855	1	8.956	1	2393	50	2.2
4483.9	10000	38.3731	95.8670	-470	PS	3.5	1	11.2	1	1.2	0	0.315	0	2.897	1	9.200	1	2382	64	2.2
4483.8	10000	38.3731	95.8662	-470	PS	3.6	1	11.6	2	1.2	0	0.313	0	3.018	1	9.658	1	2364	43	2.2
4483.7	10000	38.3731	95.8654	-470	PS	3.8	1	11.5	2	1.2	0	0.331	0	3.057	1	9.240	1	2355	47	2.2
4483.6	10000	38.3731	95.8646	-470	PS	3.7	1	11.4	2	1.2	0	0.320	0	3.073	1	9.595	1	2336	39	2.2
4483.5	10000	38.3731	95.8638	-470	PS	3.7	1	11.3	2	1.2	0	0.326	0	3.008	1	9.217	1	2317	43	2.2
4483.4	10000	38.3731	95.8629	-470	PS	3.6	1	11.1	1	1.3	0	0.340	0	3.066	1	9.021	1	2309	53	2.2
4483.3	10000	38.3731	95.8621	-470	PS	3.5	1	11.1	1	1.2	0	0.326	0	2.932	1	8.993	1	2289	44	2.2
4483.2	10000	38.3731	95.8613	-470	PS	3.5	1	11.1	1	1.2	0	0.341	0	3.063	1	8.982	1	2283	39	2.2
4483.1	10000	38.3731	95.8605	-469	PS	3.5	1	10.8	1	1.2	0	0.328	0	2.930	1	8.940	1	2264	50	2.2
4483.0	10000	38.3731	95.8597	-469	PS	3.2	1	10.2	1	1.2	0	0.308	0	2.841	1	9.228	1	2239	35	2.2
4482.9	10000	38.3731	95.8589	-468	PS	3.1	1	10.2	1	1.2	0	0.302	0	2.663	1	8.826	1	2210	51	2.2
4482.8	10000	38.3731	95.8581	-467	PS	3.0	1	9.7	1	1.1	0	0.287	-1	2.514	1	8.766	1	2169	57	2.2
4482.7	10000	38.3731	95.8572	-466	PS	3.1	1	9.9	1	1.1	0	0.288	-1	2.525	1	8.762	1	2125	54	2.2
4482.6	10000	38.3731	95.8564	-465	PS	3.2	1	9.9	1	1.1	0	0.300	-1	2.655	1	8.859	1	2101	38	2.2
4482.5	10000	38.3731	95.8556	-465	PS	3.0	1	9.8	1	1.1	0	0.263	-1	2.275	1	8.664	1	2086	51	2.2
4482.4	10000	38.3731	95.8548	-464	PS	2.9	1	9.8	1	1.1	0	0.271	-1	2.260	1	8.348	1	2066	41	2.2
4482.3	10000	38.3731	95.8540	-463	PS	2.9	1	9.8	1	1.1	0	0.253	-1	2.088	1	8.238	1	2057	44	2.2
4482.2	10000	38.3731	95.8532	-462	PS	2.9	1	9.8	1	1.1	0	0.256	-1	2.176	1	8.501	1	2058	51	2.2
4482.1	10000	38.3731	95.8523	-460	PS	2.9	1	9.8	1	1.1	0	0.278	-1	2.465	1	8.863	1	2078	51	2.2
4482.0	10000	38.3731	95.8515	-459	PS	2.9	1	9.8	1	1.1	0	0.264	-1	2.347	1	8.876	1	2115	54	2.2
4481.9	10000	38.3731	95.8507	-459	PS	2.9	1	9.8	1	1.1	0	0.266	-1	2.465	1	8.852	1	2125	44	2.2
4481.8	10000	38.3731	95.8499	-457	PS	2.9	1	9.8	1	1.1	0	0.260	-1	2.417	1	8.830	1	2139	51	2.2
4481.7	10000	38.3731	95.8491	-456	PS	2.9	1	9.8	1	1.1	0	0.249	-1	2.366	1	8.852	1	2153	54	2.2
4481.6	10000	38.3731	95.8483	-455	PS	2.9	1	9.8	1	1.1	0	0.268	-1	2.508	1	8.930	1	2169	54	2.2
4481.5	10000	38.3731	95.8474	-454	PS	2.9	1	9.8	1	1.1	0	0.267	-1	2.356	1	8.842	1	2195	44	2.2
4481.4	10000	38.3731	95.8466	-452	PS	2.9	1	9.8	1	1.1	0	0.250	-1	2.141	1	8.554	1	2214	51	2.2
4481.3	10000	38.3732	95.8458	-450	PS	2.9	1	9.8	1	1.1	0	0.270	-1	2.297	1	8.508	1	2213	54	2.2
4481.2	10000	38.3732	95.8450	-449	PS	2.9	1	9.8	1	1.1	0	0.275	-1	2.365	1	8.593	1	2238	44	2.2
4481.1	10000	38.3732	95.8442	-448	PS	2.9	1	9.8	1	1.1	0	0.293	-1	2.569	1	8.782	1	2246	54	2.2
4481.0	10000	38.3732	95.8434	-446	PS	2.9	1	9.8	1	1.1	0	0.314	-1	2.673	1	8.512	1	2233	51	2.2
4480.9	10000	38.3732	95.8425	-444	PS	2.9	1	9.8	1	1.1	0	0.336	-1	2.679	1	8.425	1	2225	44	2.2
4480.8	10000	38.3732	95.8417	-443	PS	2.9	1	9.8	1	1.1	0	0.313	-1	2.809	1	8.587	1	2211	54	2.2
4480.7	10000	38.3732	95.8409	-442	PS	2.9	1	9.8	1	1.1	0	0.313	-1	2.913	1	8.752	1	2208	54	2.2
4480.6	10000	38.3732	95.8401	-439	PS	2.9	1	9.8	1	1.1	0	0.313	-1	2.954	1	8.962	1	2205	44	2.2
4480.5	10000	38.3732	95.8393	-438	PS	2.9	1	9.8	1	1.1	0	0.313	-1	2.827	1	8.752	1	2190	44	2.2
4480.4	10000	38.3732	95.8385	-436	PS	2.9	1	9.8	1	1.1	0	0.313	-1	2.744	1	8.818	1	2210	54	2.2
4480.3	10000	38.3732	95.8376	-434	PS	2.9	1	9.8	1	1.1	0	0.313	-1	2.710	1	8.644	1	2190	54	2.2
4480.2	10000	38.3732	95.8368	-432	PS	2.9	1	9.8	1	1.1	0	0.313	-1	2.710	1	8.644	1	2190	54	2.2

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4480.1	10000	38.3732	95.8360	-430	PS	3.1	0	10.6	1	1.2	0	0.289	-1	2.575	0	8.911	0	2208	40	2.4
4480.0	10000	38.3732	95.8352	-428	PS	3.0	0	10.4	1	1.2	0	0.293	-1	2.521	0	8.593	0	2207	58	2.4
4479.9	10000	38.3732	95.8344	-426	PS	3.2	0	9.8	0	1.2	0	0.322	0	2.536	0	7.882	0	2208	50	2.4
4479.8	10000	38.3732	95.8336	-424	PW	3.1	0	9.2	-1	1.2	0	0.338	1	2.592	0	7.664	0	2195	44	2.4
4479.7	10000	38.3732	95.8328	-421	PW	3.4	1	9.3	-1	1.2	0	0.369	1	2.875	1	7.790	0	2206	31	2.4
4479.6	10000	38.3732	95.8319	-419	PW	3.5	1	9.4	0	1.2	0	0.368	1	2.841	1	7.726	0	2205	58	2.4
4479.5	10000	38.3732	95.8311	-418	PW	3.3	1	9.5	0	1.2	0	0.344	1	2.761	1	8.027	0	2197	55	2.4
4479.4	10000	38.3732	95.8303	-417	PW	3.3	1	9.7	0	1.2	0	0.337	1	2.738	1	8.136	0	2192	41	2.4
4479.3	10000	38.3732	95.8295	-416	PW	3.1	0	9.8	0	1.2	0	0.315	0	2.642	0	8.386	0	2164	46	2.4
4479.2	10000	38.3732	95.8287	-415	PW	3.0	0	10.2	0	1.1	-1	0.291	0	2.623	0	9.024	1	2146	54	2.4
4479.1	10000	38.3732	95.8279	-414	PW	2.8	0	10.3	0	1.2	0	0.278	0	2.383	0	8.575	0	2137	56	2.4
4479.0	10000	38.3732	95.8270	-414	PW	2.5	-1	10.3	0	1.1	0	0.239	-1	2.145	-1	8.993	1	2104	47	2.4
4478.9	10000	38.3732	95.8262	-413	PW	2.6	-1	10.4	1	1.1	-1	0.253	-1	2.378	0	9.395	1	2104	44	2.4
4478.8	10000	38.3732	95.8254	-410	PW	2.7	-1	10.2	0	1.1	-1	0.263	-1	2.498	0	9.511	1	2074	34	2.4
4478.7	10000	38.3732	95.8246	-408	PW	2.8	0	10.0	0	1.1	-1	0.284	0	2.679	0	9.432	1	2052	51	2.4
4478.6	10000	38.3732	95.8238	-407	PW	2.9	0	9.8	0	1.0	-1	0.294	0	2.852	1	9.701	2	2059	41	2.4
4478.5	10000	38.3732	95.8230	-405	PW	2.9	0	9.9	0	1.0	-1	0.291	0	2.757	1	9.460	1	2066	45	2.4
4478.4	10000	38.3732	95.8221	-403	PW	3.0	0	10.3	0	1.0	-1	0.289	0	2.873	1	9.940	2	2088	45	2.4
4478.3	10000	38.3732	95.8213	-404	PW	3.0	0	9.9	0	1.1	-1	0.305	0	2.772	1	9.083	1	2120	70	2.4
4478.2	10000	38.3732	95.8205	-404	PW	2.9	0	10.0	0	1.1	-1	0.293	0	2.700	1	9.214	1	2113	53	2.4
4478.1	10000	38.3732	95.8197	-401	PW	2.9	0	10.2	0	1.1	-1	0.285	0	2.722	1	9.559	1	2109	51	2.4
4478.0	10000	38.3732	95.8189	-397	PW	3.1	0	10.5	1	1.1	-1	0.300	0	2.967	1	9.904	2	2127	57	2.4
4477.9	10000	38.3732	95.8181	-392	PW	2.9	0	10.5	1	1.1	-1	0.279	0	2.667	0	9.545	1	2146	37	2.4
4477.8	10000	38.3732	95.8172	-391	PW	3.1	0	10.7	1	1.1	-1	0.290	0	2.779	1	9.570	1	2165	36	2.4
4477.7	10000	38.3732	95.8164	-392	PW	3.1	0	10.7	1	1.1	-1	0.290	0	2.789	1	9.602	1	2150	49	2.4
4477.6	10000	38.3732	95.8156	-392	PW	3.4	1	10.5	1	1.1	-1	0.324	0	3.132	1	9.670	2	2156	55	2.4
4477.5	10000	38.3732	95.8148	-392	PS	3.3	1	10.5	1	1.1	-1	0.316	0	3.105	1	9.815	1	2170	41	2.4
4477.4	10000	38.3732	95.8140	-391	PS	3.3	1	10.5	1	1.1	-1	0.327	0	3.128	1	9.564	1	2205	52	2.4
4477.3	10000	38.3732	95.8132	-391	PS	3.3	1	10.5	1	1.1	-1	0.325	0	3.099	1	9.206	1	2213	55	2.4
4477.2	10000	38.3732	95.8123	-389	PS	3.3	1	10.5	1	1.1	-1	0.314	0	3.052	1	9.362	1	2218	40	2.4
4477.1	10000	38.3732	95.8115	-388	PS	3.3	1	10.5	1	1.1	-1	0.327	0	3.099	1	9.926	2	2217	56	2.4
4477.0	10000	38.3732	95.8107	-386	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	9.221	1	2243	44	2.4
4476.9	10000	38.3732	95.8099	-384	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	9.316	1	2253	45	2.4
4476.8	10000	38.3732	95.8091	-382	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	9.215	1	2260	46	2.4
4476.7	10000	38.3732	95.8083	-380	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	9.210	1	2257	52	2.4
4476.6	10000	38.3732	95.8075	-378	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	9.375	1	2264	45	2.4
4476.5	10000	38.3732	95.8066	-376	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	9.320	1	2271	40	2.4
4476.4	10000	38.3732	95.8058	-374	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	9.003	1	2268	56	2.4
4476.3	10000	38.3732	95.8050	-371	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	9.109	1	2273	44	2.4
4476.2	10000	38.3732	95.8042	-369	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	8.815	1	2267	46	2.4
4476.1	10000	38.3732	95.8034	-367	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	8.567	1	2276	46	2.4
4476.0	10000	38.3732	95.8026	-364	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	8.362	1	2289	46	2.4
4475.9	10000	38.3732	95.8017	-362	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	8.562	2	2290	44	2.4
4475.8	10000	38.3732	95.8009	-361	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	8.553	1	2305	45	2.4
4475.7	10000	38.3732	95.8001	-365	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	8.193	1	2301	45	2.4
4475.6	10000	38.3732	95.7993	-371	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	8.994	1	2293	45	2.4
4475.5	10000	38.3732	95.7985	-378	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	8.963	1	2287	45	2.4
4475.4	10000	38.3732	95.7977	-381	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	8.804	1	2296	45	2.4
4475.3	10000	38.3732	95.7968	-380	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	8.823	1	2296	45	2.4
4475.2	10000	38.3733	95.7960	-378	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	8.886	1	2295	45	2.4
4475.1	10000	38.3733	95.7952	-375	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	8.977	1	2278	45	2.4
4475.0	10000	38.3733	95.7944	-375	PS	3.3	1	10.5	1	1.1	-1	0.324	0	3.073	1	8.977	1	2295	46	2.4

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4474.9	10000	38.3733	95.7936	-373	PS	2.6	-1	11.8	2	1.3	1	0.224	-2	1.985	-1	8.866	0	2299	56	2.3
4474.8	10000	38.3733	95.7928	-370	PS	2.9	0	11.7	2	1.3	1	0.248	-1	2.207	-1	8.906	0	2295	41	2.3
4474.7	10000	38.3733	95.7919	-368	PS	2.9	0	11.6	2	1.3	1	0.253	-1	2.261	-1	8.927	1	2279	41	2.3
4474.6	10000	38.3733	95.7911	-366	PS	2.9	0	11.5	2	1.3	1	0.252	-1	2.255	-1	8.935	1	2277	44	2.3
4474.5	10000	38.3733	95.7903	-364	PS	2.9	0	11.5	2	1.3	0	0.252	-1	2.306	-1	9.163	1	2273	42	2.3
4474.4	10000	38.3733	95.7895	-362	PS	3.0	0	11.4	2	1.3	0	0.265	-1	2.348	0	8.845	1	2273	50	2.3
4474.3	10000	38.3733	95.7887	-360	PS	3.1	0	10.9	1	1.3	0	0.287	0	2.501	0	8.717	1	2250	50	2.3
4474.2	10000	38.3733	95.7879	-358	PS	3.3	0	10.0	0	1.3	0	0.325	0	2.557	0	7.869	0	2248	47	2.3
4474.1	10000	38.3733	95.7870	-357	PS	3.0	0	10.2	1	1.3	0	0.298	0	2.343	0	7.856	0	2266	43	2.3
4474.0	10000	38.3733	95.7862	-354	PS	3.0	0	10.6	1	1.2	0	0.285	0	2.408	0	8.461	0	2257	40	2.3
4473.9	10000	38.3733	95.7854	-353	PS	3.4	1	10.5	1	1.3	0	0.320	0	2.660	0	8.322	0	2260	45	2.3
4473.8	10000	38.3733	95.7846	-351	PS	3.2	1	10.2	0	1.3	0	0.318	0	2.591	0	8.141	0	2252	45	2.3
4473.7	10000	38.3733	95.7838	-349	PS	2.9	0	10.3	1	1.2	0	0.286	0	2.469	0	8.631	0	2256	53	2.3
4473.6	10000	38.3733	95.7830	-347	PS	3.1	0	10.7	1	1.2	0	0.288	0	2.569	0	8.909	1	2263	40	2.3
4473.5	10000	38.3733	95.7822	-345	PS	2.9	0	10.9	1	1.2	0	0.268	-1	2.526	0	9.428	1	2254	47	2.3
4473.4	10000	38.3733	95.7813	-344	PS	3.2	1	11.0	1	1.2	0	0.294	-1	2.791	0	9.480	1	2266	40	2.3
4473.3	10000	38.3733	95.7805	-342	PS	3.3	1	11.0	1	1.2	0	0.304	-1	2.765	0	9.097	1	2279	54	2.3
4473.2	10000	38.3733	95.7797	-340	PS	3.1	1	10.8	1	1.2	0	0.284	-1	2.573	0	9.052	1	2288	49	2.3
4473.1	10000	38.3733	95.7789	-338	PS	3.2	1	11.0	1	1.2	0	0.294	-1	2.825	0	9.609	1	2293	59	2.2
4473.0	10000	38.3733	95.7781	-336	PS	3.4	1	10.9	1	1.2	0	0.310	0	2.893	0	9.322	1	2301	55	2.2
4472.9	10000	38.3733	95.7773	-335	PS	3.4	1	10.4	1	1.2	0	0.329	0	2.903	0	8.832	0	2339	50	2.2
4472.8	10000	38.3733	95.7764	-333	PS	3.8	1	10.8	1	1.2	0	0.348	0	3.136	1	9.004	1	2358	49	2.2
4472.7	10000	38.3733	95.7756	-331	PS	3.6	1	10.8	1	1.2	0	0.336	0	3.039	1	9.040	1	2360	55	2.2
4472.6	10000	38.3733	95.7748	-329	PS	3.3	1	10.7	1	1.2	0	0.311	0	2.694	0	8.653	1	2370	40	2.2
4472.5	10000	38.3733	95.7740	-327	PS	3.5	1	11.3	1	1.2	0	0.310	0	2.821	1	9.103	1	2367	41	2.2
4472.4	10000	38.3733	95.7732	-326	PS	3.5	1	11.2	1	1.3	0	0.315	0	2.701	1	8.571	0	2366	47	2.2
4472.3	10000	38.3733	95.7724	-324	PS	3.7	1	11.3	2	1.3	0	0.323	0	2.739	1	8.475	0	2352	42	2.2
4472.2	10000	38.3733	95.7715	-323	PS	3.5	1	11.3	1	1.3	0	0.310	0	2.719	1	8.765	1	2307	54	2.2
4472.1	10000	38.3733	95.7707	-321	PS	3.5	1	10.8	1	1.3	0	0.320	0	2.668	0	8.343	0	2294	45	2.2
4472.0	10000	38.3733	95.7699	-319	PS	3.7	1	10.6	1	1.3	0	0.348	0	2.874	0	8.268	0	2271	52	2.2
4471.9	10000	38.3733	95.7691	-318	PS	3.8	1	10.9	1	1.3	0	0.352	0	3.080	1	8.753	0	2253	60	2.2
4471.8	10000	38.3733	95.7683	-316	PS	3.5	1	10.3	1	1.3	0	0.337	0	2.790	0	8.282	0	2232	36	2.2
4471.7	10000	38.3733	95.7675	-314	PS	3.2	1	9.0	0	1.3	0	0.291	0	2.586	0	8.900	0	2237	50	2.2
4471.6	10000	38.3733	95.7666	-312	PS	4.4	2	11.4	2	1.3	0	0.306	0	2.815	0	9.201	1	2234	44	2.2
4471.5	10000	38.3733	95.7658	-310	PS	4.2	2	11.5	2	1.3	0	0.280	0	2.616	0	9.337	1	2233	52	2.2
4471.4	10000	38.3733	95.7650	-308	PS	4.0	2	11.8	2	1.3	0	0.258	0	2.469	0	9.570	1	2220	46	2.2
4471.3	10000	38.3733	95.7642	-306	PS	4.7	2	11.2	2	1.3	0	0.229	0	2.262	0	9.878	1	2217	52	2.2
4471.2	10000	38.3733	95.7634	-305	PS	4.8	2	11.2	2	1.3	0	0.246	0	2.331	0	9.487	1	2220	33	2.2
4471.1	10000	38.3733	95.7626	-303	PS	4.2	2	11.9	2	1.3	0	0.290	0	2.683	0	9.253	1	2225	55	2.2
4471.0	10000	38.3733	95.7617	-301	PS	4.5	2	10.7	2	1.3	0	0.320	0	2.874	0	8.974	1	2223	44	2.2
4470.9	10000	38.3733	95.7609	-299	PS	4.4	2	10.8	2	1.3	0	0.315	0	2.827	0	8.989	1	2216	43	2.2
4470.8	10000	38.3733	95.7601	-298	PS	4.6	2	11.8	2	1.3	0	0.334	0	2.991	0	8.956	1	2242	38	2.2
4470.7	10000	38.3733	95.7593	-296	PS	4.6	2	11.8	2	1.3	0	0.328	0	3.072	0	9.375	1	2267	44	2.2
4470.6	10000	38.3733	95.7585	-294	PS	4.8	2	11.1	2	1.3	0	0.349	0	3.167	0	9.081	1	2288	45	2.2
4470.5	10000	38.3733	95.7577	-293	PS	4.8	2	11.4	2	1.3	0	0.349	0	3.148	0	9.050	1	2290	56	2.2
4470.4	10000	38.3733	95.7569	-291	PS	4.6	2	11.4	2	1.3	0	0.325	0	3.090	0	9.059	1	2298	55	2.2
4470.3	10000	38.3733	95.7560	-290	PS	4.6	2	11.4	2	1.3	0	0.321	0	3.016	0	8.975	1	2302	58	2.2
4470.2	10000	38.3733	95.7552	-289	PS	4.6	2	11.4	2	1.3	0	0.309	0	2.947	0	8.946	1	2317	44	2.2
4470.1	10000	38.3733	95.7544	-288	PS	4.5	2	11.4	2	1.3	0	0.289	0	2.765	0	8.800	1	2309	47	2.2
4470.0	10000	38.3733	95.7536	-287	PS	4.3	2	11.4	2	1.3	0	0.277	0	2.682	0	8.825	1	2294	53	2.2
4469.9	10000	38.3733	95.7528	-286	PS	4.3	2	11.4	2	1.3	0	0.277	0	2.682	0	8.825	1	2274	48	2.2
4469.8	10000	38.3733	95.7520	-286	PS	4.3	2	11.4	2	1.3	0	0.277	0	2.682	0	8.825	1	2282	48	2.2

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4469.7	10000	38.3733	95.7511	-285	PS	3.2	0	11.6	2	1.2	0	0.274	-1	2.556	0	9.337	1	2277	46	2.2
4469.6	10000	38.3733	95.7503	-285	PS	3.3	0	11.5	2	1.3	0	0.287	-1	2.608	0	9.090	1	2285	38	2.2
4469.5	10000	38.3733	95.7495	-283	PS	3.4	1	11.2	1	1.2	0	0.304	0	2.782	0	9.149	1	2272	50	2.2
4469.4	10000	38.3733	95.7487	-283	PS	3.1	0	11.4	2	1.3	0	0.274	-1	2.470	0	9.029	1	2262	50	2.2
4469.3	10000	38.3733	95.7479	-282	PS	3.1	0	11.3	1	1.3	1	0.279	-1	2.428	-1	8.716	0	2254	37	2.2
4469.2	10000	38.3733	95.7471	-281	PS	3.2	0	11.4	2	1.3	1	0.282	-1	2.393	-1	8.497	0	2254	48	2.2
4469.1	10000	38.3733	95.7462	-281	PS	2.9	-1	11.5	2	1.3	1	0.250	-1	2.225	-1	8.892	0	2252	47	2.2
4469.0	10000	38.3733	95.7454	-281	PS	3.0	0	11.6	2	1.2	0	0.255	-1	2.400	-1	9.400	1	2258	48	2.2
4468.9	10000	38.3733	95.7446	-281	PS	2.9	-1	11.7	2	1.2	0	0.246	-1	2.396	-1	9.739	1	2256	46	2.2
4468.8	10000	38.3733	95.7438	-280	PS	3.0	0	11.5	2	1.2	0	0.261	-1	2.529	0	9.684	1	2270	46	2.2
4468.7	10000	38.3733	95.7430	-279	PS	3.4	1	11.6	2	1.1	0	0.291	-1	2.979	1	10.251	2	2286	33	2.2
4468.6	10000	38.3733	95.7422	-279	PS	3.7	1	11.3	2	1.1	0	0.327	0	3.279	1	10.021	1	2296	45	2.2
4468.5	10000	38.3733	95.7415	-278	PS	3.7	1	11.1	1	1.1	0	0.337	0	3.347	1	9.935	1	2304	38	2.2
4468.4	10000	38.3733	95.7407	-278	PS	4.0	2	10.8	1	1.1	0	0.371	1	3.521	2	9.503	1	2292	45	2.2
4468.3	10000	38.3733	95.7399	-277	PS	4.1	2	10.4	1	1.2	0	0.391	1	3.503	2	8.952	1	2278	52	2.2
4468.2	10000	38.3733	95.7391	-277	PS	4.0	2	10.4	1	1.2	0	0.384	1	3.353	1	8.722	0	2265	61	2.2
4468.1	10000	38.3733	95.7383	-276	PS	3.7	2	10.5	1	1.2	0	0.350	0	3.119	1	8.904	0	2229	44	2.2
4468.0	10000	38.3733	95.7375	-276	PS	3.7	1	10.2	0	1.2	0	0.359	1	3.010	1	8.395	0	2203	53	2.2
4467.9	10000	38.3733	95.7367	-275	PS	3.2	0	10.4	1	1.2	0	0.310	0	2.614	0	8.426	0	2196	54	2.2
4467.8	10000	38.3733	95.7359	-274	PS	3.3	0	10.6	1	1.2	0	0.308	0	2.662	0	8.651	0	2183	52	2.2
4467.7	10000	38.3733	95.7351	-274	PS	3.2	0	10.8	1	1.2	0	0.294	-1	2.584	0	8.781	0	2186	39	2.2
4467.6	10000	38.3732	95.7343	-273	PS	3.2	0	10.8	1	1.2	0	0.299	-1	2.681	0	8.979	1	2180	49	2.2
4467.5	10000	38.3732	95.7335	-272	PS	3.4	1	10.6	1	1.2	0	0.324	0	2.868	0	8.848	0	2165	54	2.2
4467.4	10000	38.3732	95.7327	-272	PS	3.6	1	10.4	1	1.2	0	0.344	0	2.982	0	8.658	0	2173	55	2.2
4467.3	10000	38.3732	95.7319	-271	PS	3.4	0	10.2	1	1.2	0	0.330	0	2.859	0	8.651	0	2164	35	2.2
4467.2	10000	38.3732	95.7311	-270	PS	3.6	1	10.2	1	1.1	0	0.354	0	3.172	0	8.951	1	2160	51	2.2
4467.1	10000	38.3732	95.7303	-269	PS	3.6	1	10.3	1	1.2	0	0.350	0	2.948	0	8.929	1	2158	51	2.2
4467.0	10000	38.3732	95.7295	-269	PS	3.5	1	10.3	1	1.2	0	0.340	0	2.919	0	8.918	1	2158	50	2.2
4466.9	10000	38.3732	95.7287	-268	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4466.8	10000	38.3732	95.7280	-268	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4466.7	10000	38.3732	95.7272	-268	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4466.6	10000	38.3732	95.7263	-267	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4466.5	10000	38.3732	95.7256	-267	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4466.4	10000	38.3732	95.7248	-266	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4466.3	10000	38.3732	95.7240	-265	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4466.2	10000	38.3732	95.7232	-265	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4466.1	10000	38.3732	95.7224	-264	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4466.0	10000	38.3731	95.7216	-263	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4465.9	10000	38.3731	95.7208	-263	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4465.8	10000	38.3731	95.7200	-262	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4465.7	10000	38.3731	95.7192	-262	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4465.6	10000	38.3731	95.7184	-261	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4465.5	10000	38.3731	95.7176	-260	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4465.4	10000	38.3731	95.7168	-260	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4465.3	10000	38.3731	95.7160	-259	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4465.2	10000	38.3731	95.7152	-258	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4465.1	10000	38.3731	95.7144	-257	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4465.0	10000	38.3731	95.7136	-256	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4464.9	10000	38.3731	95.7128	-255	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4464.8	10000	38.3731	95.7121	-254	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4464.7	10000	38.3731	95.7113	-254	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2
4464.6	10000	38.3731	95.7105	-253	PS	3.4	1	10.3	1	1.2	0	0.330	0	2.832	0	8.766	1	2150	50	2.2

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
4464.5	10000	38.3731	95.7097	-253	PS	3.0	0	10.7	1	1.3	0	0.276	-1	2.333	-1	8.458	0	2200	36	2.2
4464.4	10000	38.3730	95.7089	-253	PS	3.3	0	10.6	1	1.2	0	0.309	0	2.636	0	8.534	0	2222	38	2.2
4464.3	10000	38.3730	95.7081	-254	PS	3.6	1	10.3	1	1.2	0	0.351	0	2.940	0	8.373	0	2237	43	2.2
4464.2	10000	38.3730	95.7073	-254	PS	3.7	1	10.3	1	1.2	0	0.362	1	3.055	1	8.433	0	2238	65	2.2
4464.1	10000	38.3730	95.7065	-254	PS	3.7	1	10.4	1	1.2	0	0.357	1	2.962	1	8.296	0	2265	53	2.2
4464.0	10000	38.3730	95.7057	-255	PS	4.0	2	10.3	1	1.3	0	0.388	1	3.193	1	8.238	0	2303	41	2.2
4463.9	10000	38.3730	95.7049	-256	PS	4.2	3	10.1	1	1.2	0	0.411	1	3.386	1	8.238	0	2314	47	2.2
4463.8	10000	38.3730	95.7041	-257	PS	4.5	3	10.0	0	1.2	0	0.455	2	3.682	2	8.100	0	2339	42	2.2
4463.7	10000	38.3730	95.7033	-258	PS	4.5	3	9.7	0	1.3	0	0.468	2	3.597	2	7.691	0	2328	48	2.2
4463.6	10000	38.3730	95.7025	-259	PS	4.1	2	9.9	0	1.3	1	0.416	2	3.209	1	7.720	0	2336	41	2.2
4463.5	10000	38.3730	95.7017	-261	PS	4.1	2	9.7	0	1.3	1	0.420	2	3.088	1	7.355	-1	2335	41	2.2
4463.4	10000	38.3730	95.7009	-263	PS	4.3	2	9.6	0	1.3	1	0.446	2	3.233	1	7.251	-1	2333	44	2.2
4463.3	10000	38.3730	95.7001	-265	PS	4.2	2	9.6	0	1.4	1	0.431	2	3.060	1	7.105	-1	2328	43	2.2
4463.2	10000	38.3730	95.6993	-267	PS	4.0	2	9.6	0	1.4	1	0.415	2	2.809	1	6.741	-1	2332	47	2.2
4463.1	10000	38.3730	95.6985	-269	PS	3.8	1	10.0	0	1.4	1	0.383	1	2.727	0	7.113	-1	2316	37	2.2
4463.0	10000	38.3730	95.6977	-271	PS	3.2	1	10.2	0	1.4	1	0.309	1	2.257	-1	7.300	-1	2272	51	2.2
4462.9	10000	38.3729	95.6969	-273	PS	3.3	1	10.3	0	1.4	1	0.320	1	2.337	-1	7.314	-1	2232	34	2.2
4462.8	10000	38.3729	95.6962	-275	PS	3.1	1	10.3	0	1.3	1	0.301	1	2.326	-1	7.734	0	2211	57	2.2
4462.7	10000	38.3729	95.6954	-277	PS	2.9	1	10.3	0	1.3	1	0.286	-1	2.249	-1	7.851	0	2194	43	2.2
4462.6	10000	38.3729	95.6946	-279	PS	2.8	-1	10.4	0	1.3	1	0.273	-1	2.139	-1	7.848	0	2180	52	2.2
4462.5	10000	38.3729	95.6938	-281	PS	2.9	-1	10.7	0	1.3	1	0.275	-1	2.208	-1	8.043	0	2172	43	2.2
4462.4	10000	38.3729	95.6930	-283	PS	2.7	-1	10.3	0	1.3	1	0.267	-1	2.087	-1	7.822	0	2168	48	2.2
4462.3	10000	38.3729	95.6922	-285	PS	2.9	-1	10.8	1	1.3	1	0.287	-1	2.158	-1	7.523	-1	2175	40	2.2
4462.2	10000	38.3729	95.6914	-285	PS	2.7	-1	10.7	0	1.3	1	0.269	-1	2.064	-1	7.666	-1	2194	44	2.2
4462.1	10000	38.3729	95.6906	-286	PS	3.1	0	10.9	1	1.3	1	0.289	-1	2.341	-1	8.093	0	2221	65	2.2
4462.0	10000	38.3729	95.6898	-288	PS	3.3	0	10.8	1	1.3	1	0.305	0	2.590	-1	8.480	0	2229	33	2.2
4461.9	10000	38.3729	95.6890	-289	PS	3.1	0	10.8	1	1.3	1	0.286	-1	2.429	-1	8.483	0	2236	44	2.2
4461.8	10000	38.3729	95.6882	-291	PS	3.0	0	10.6	1	1.2	1	0.296	-1	2.566	0	8.668	0	2255	49	2.1
4461.7	10000	38.3729	95.6874	-293	PS	3.0	0	10.7	1	1.2	1	0.280	-1	2.470	0	8.811	1	2265	39	2.1
4461.6	10000	38.3729	95.6866	-294	PS	3.2	0	10.6	1	1.2	1	0.300	-1	2.699	0	9.004	1	2260	49	2.1
4461.5	10000	38.3729	95.6858	-296	PS	3.4	1	10.8	1	1.2	1	0.312	-1	2.850	0	9.136	1	2271	43	2.1
4461.4	10000	38.3728	95.6850	-297	PS	3.3	1	10.7	1	1.2	1	0.308	-1	2.752	0	8.614	1	2254	51	2.1
4461.3	10000	38.3728	95.6842	-299	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	8.389	1	2251	37	2.1
4461.2	10000	38.3728	95.6834	-300	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	8.430	1	2244	46	2.1
4461.1	10000	38.3728	95.6826	-301	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	8.227	1	2228	47	2.1
4461.0	10000	38.3728	95.6819	-302	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	8.721	1	2233	45	2.1
4460.9	10000	38.3728	95.6810	-303	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	8.935	1	2248	50	2.1
4460.8	10000	38.3728	95.6803	-304	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	8.913	1	2251	54	2.1
4460.7	10000	38.3728	95.6795	-305	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	9.129	1	2256	46	2.1
4460.6	10000	38.3728	95.6787	-306	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	9.017	1	2252	45	2.1
4460.5	10000	38.3728	95.6779	-307	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	9.533	1	2246	64	2.1
4460.4	10000	38.3728	95.6771	-308	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	9.275	1	2243	54	2.1
4460.3	10000	38.3728	95.6763	-309	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	9.842	1	2220	60	2.1
4460.2	10000	38.3728	95.6755	-309	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	9.607	1	2233	45	2.1
4460.1	10000	38.3728	95.6747	-310	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	9.378	1	2229	64	2.1
4460.0	10000	38.3728	95.6739	-310	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	9.557	1	2241	60	2.1
4459.9	10000	38.3728	95.6731	-311	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	9.745	1	2255	45	2.1
4459.8	10000	38.3728	95.6723	-311	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	9.416	1	2274	60	2.1
4459.7	10000	38.3727	95.6715	-312	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	9.831	1	2287	45	2.1
4459.6	10000	38.3727	95.6707	-312	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	9.815	1	2328	30	2.1
4459.5	10000	38.3727	95.6699	-312	PS	3.4	1	10.8	1	1.2	1	0.314	-1	2.852	0	9.178	1	2342	44	2.1
4459.4	10000	38.3727	95.6691	-313	PS	3.5	1	10.8	1	1.3	1	0.306	-1	2.771	0	9.041	1	2360	49	2.1

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4459.3	10000	38.3727	95.6683	-313	PS	3.6	1	11.4	2	1.3	0	0.317	0	2.874	0	9.068	1	2370	41	2.1
4459.2	10000	38.3727	95.6675	-313	PS	3.6	1	11.5	2	1.2	0	0.317	0	3.040	1	9.594	1	2371	42	2.1
4459.1	10000	38.3727	95.6667	-313	PS	3.5	1	11.8	2	1.2	0	0.299	0	2.891	0	9.655	1	2373	45	2.1
4459.0	10000	38.3727	95.6660	-313	PS	3.6	1	12.0	2	1.2	0	0.299	0	2.896	0	9.671	1	2371	37	2.1
4458.9	10000	38.3727	95.6652	-313	PS	3.4	1	12.3	2	1.3	1	0.278	-1	2.679	0	9.631	1	2352	48	2.1
4458.8	10000	38.3727	95.6644	-313	PS	3.1	0	12.4	3	1.3	1	0.251	-1	2.413	-1	9.614	1	2346	44	2.1
4458.7	10000	38.3727	95.6636	-313	PS	3.0	0	12.9	3	1.4	1	0.230	-2	2.202	-1	9.574	1	2347	32	2.1
4458.6	10000	38.3727	95.6628	-313	PS	2.8	-1	13.2	3	1.4	1	0.216	-2	1.999	-1	9.254	1	2346	28	2.1
4458.5	10000	38.3727	95.6620	-313	PS	2.6	-1	13.0	3	1.4	1	0.203	-2	1.825	-2	8.992	1	2330	40	2.1
4458.4	10000	38.3727	95.6612	-314	PS	2.5	-1	12.6	3	1.4	1	0.196	-2	1.728	-2	8.808	0	2314	47	2.1
4458.3	10000	38.3727	95.6604	-314	PS	2.4	-2	12.4	2	1.4	1	0.190	-2	1.660	-2	8.752	0	2305	49	2.1
4458.2	10000	38.3727	95.6596	-314	PS	2.5	-1	12.0	2	1.4	1	0.212	-2	1.879	-2	8.847	0	2302	54	2.1
4458.1	10000	38.3726	95.6588	-314	PS	2.7	-1	11.4	2	1.3	1	0.235	-2	1.984	-1	8.426	0	2287	43	2.1
4458.0	10000	38.3726	95.6580	-315	PS	3.0	0	10.8	1	1.3	1	0.276	-1	2.299	-1	8.324	0	2270	49	2.1
4457.9	10000	38.3726	95.6572	-316	PS	3.0	0	10.5	1	1.3	1	0.286	-1	2.300	-1	8.035	0	2262	39	2.1
4457.8	10000	38.3726	95.6564	-317	PS	2.9	0	11.0	1	1.4	1	0.263	-1	2.137	-1	8.132	0	2286	51	2.1
4457.7	10000	38.3726	95.6556	-318	PS	3.2	0	11.3	2	1.4	1	0.286	-1	2.360	-1	8.251	0	2311	42	2.1
4457.6	10000	38.3726	95.6548	-320	PS	3.1	0	11.1	1	1.3	1	0.280	-1	2.345	-1	8.377	0	2338	39	2.1
4457.5	10000	38.3726	95.6540	-321	PS	3.1	0	11.4	2	1.4	1	0.269	-1	2.265	-1	8.422	0	2383	46	2.1
4457.4	10000	38.3726	95.6532	-323	PS	2.9	0	11.9	2	1.4	1	0.243	-1	2.088	-1	8.589	0	2415	45	2.1
4457.3	10000	38.3726	95.6524	-325	PS	2.9	0	12.0	2	1.4	1	0.241	-2	2.109	-1	8.741	0	2435	48	2.1
4457.2	10000	38.3726	95.6516	-327	PS	3.1	0	12.4	3	1.4	1	0.252	-1	2.285	-1	9.060	1	2457	42	2.1
4457.1	10000	38.3726	95.6508	-329	PS	3.5	1	11.6	2	1.3	1	0.300	0	2.585	0	8.615	0	2457	45	2.1
4457.0	10000	38.3726	95.6501	-332	PS	3.5	1	11.4	2	1.3	1	0.305	0	2.676	0	8.787	0	2463	45	2.1
4456.9	10000	38.3726	95.6493	-334	PS	3.7	1	11.6	2	1.3	1	0.317	0	2.827	0	8.911	0	2445	44	2.1
4456.8	10000	38.3725	95.6485	-336	PS	3.5	1	11.6	2	1.3	1	0.302	0	2.781	0	9.213	1	2416	43	2.2
4456.7	10000	38.3725	95.6477	-338	PS	3.5	1	11.7	2	1.2	1	0.299	0	2.954	1	9.865	1	2382	47	2.2
4456.6	10000	38.3725	95.6469	-340	PS	3.7	1	11.6	2	1.2	1	0.321	0	3.219	1	10.028	1	2369	46	2.2
4456.5	10000	38.3725	95.6461	-343	PS	3.6	1	11.1	2	1.0	-1	0.329	0	3.494	2	10.610	2	2307	48	2.2
4456.4	10000	38.3725	95.6453	-345	PS	3.8	1	11.0	2	1.0	-1	0.346	0	3.754	2	10.862	2	2263	34	2.2
4456.3	10000	38.3725	95.6445	-347	PS	3.5	1	10.7	1	1.0	-1	0.328	0	3.498	2	10.651	2	2215	55	2.2
4456.2	10000	38.3725	95.6437	-350	PS	3.3	1	10.5	1	1.0	-1	0.329	0	3.406	2	10.359	2	2178	53	2.2
4456.1	10000	38.3725	95.6429	-352	PS	3.4	1	10.7	1	1.0	-1	0.330	0	3.443	2	10.434	2	2124	36	2.2
4456.0	10000	38.3725	95.6421	-354	PS	3.2	1	10.4	1	1.0	-1	0.329	0	3.359	2	10.292	2	2100	47	2.2
4455.9	10000	38.3725	95.6413	-356	PS	3.1	1	10.3	1	1.0	-1	0.340	0	3.351	2	10.724	2	2059	73	2.2
4455.8	10000	38.3725	95.6405	-358	PS	3.2	1	10.4	1	1.0	-1	0.327	0	3.329	2	10.959	2	2064	43	2.2
4455.7	10000	38.3725	95.6397	-360	PS	3.2	1	10.4	1	1.0	-1	0.329	0	3.350	2	10.995	2	2055	33	2.2
4455.6	10000	38.3725	95.6389	-362	PS	3.2	1	10.4	1	1.0	-1	0.350	0	3.379	2	10.118	2	2067	47	2.2
4455.5	10000	38.3725	95.6381	-364	PS	3.2	1	10.4	1	1.0	-1	0.379	0	3.409	2	10.681	2	2079	58	2.2
4455.4	10000	38.3725	95.6373	-366	PS	3.2	1	10.4	1	1.0	-1	0.408	0	3.396	2	10.267	2	2106	47	2.2
4455.3	10000	38.3724	95.6365	-368	PS	3.2	1	10.4	1	1.0	-1	0.362	0	3.557	2	10.653	2	2130	55	2.2
4455.2	10000	38.3724	95.6357	-370	PS	3.2	1	10.4	1	1.0	-1	0.323	0	3.199	2	10.838	2	2168	55	2.2
4455.1	10000	38.3724	95.6349	-372	PS	3.2	1	10.4	1	1.0	-1	0.319	0	3.122	2	10.875	2	2211	50	2.2
4455.0	10000	38.3724	95.6341	-374	PS	3.2	1	10.4	1	1.0	-1	0.293	0	2.923	2	10.002	2	2254	40	2.2
4454.9	10000	38.3724	95.6333	-376	PS	3.2	1	10.4	1	1.0	-1	0.260	0	2.858	2	9.998	2	2288	39	2.2
4454.8	10000	38.3725	95.6325	-377	PS	3.2	1	10.4	1	1.0	-1	0.255	0	2.855	2	9.988	2	2336	44	2.2
4454.7	10000	38.3725	95.6317	-379	PS	3.2	1	10.4	1	1.0	-1	0.283	0	2.883	2	9.988	2	2367	48	2.2
4454.6	10000	38.3725	95.6309	-381	PS	3.2	1	10.4	1	1.0	-1	0.289	0	2.889	2	9.988	2	2408	54	2.2
4454.5	10000	38.3725	95.6301	-382	PS	3.2	1	10.4	1	1.0	-1	0.289	0	2.889	2	9.988	2	2437	50	2.2
4454.4	10000	38.3725	95.6293	-384	PS	3.2	1	10.4	1	1.0	-1	0.289	0	2.889	2	9.988	2	2458	41	2.2
4454.3	10000	38.3725	95.6285	-385	PS	3.2	1	10.4	1	1.0	-1	0.289	0	2.889	2	9.988	2	2472	54	2.2
4454.2	10000	38.3725	95.6277	-386	PS	3.2	1	10.4	1	1.0	-1	0.289	0	2.889	2	9.988	2	2473	54	2.2

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4454.1	10000	38.3725	95.6269	-388	PS	3.3	0	11.5	2	1.5	2	0.286	-1	2.253	-1	7.866	0	2445	41	2.2
4454.0	10000	38.3725	95.6261	-389	PS	3.6	1	11.8	2	1.4	1	0.303	0	2.491	0	8.230	0	2436	46	2.3
4453.9	10000	38.3725	95.6253	-390	PS	3.3	0	11.6	2	1.4	1	0.281	-1	2.288	-1	8.144	0	2410	41	2.3
4453.8	10000	38.3725	95.6245	-391	PS	3.5	1	11.3	1	1.4	1	0.308	0	2.550	0	8.282	0	2392	54	2.3
4453.7	10000	38.3725	95.6237	-392	PS	3.5	1	11.5	2	1.3	1	0.304	0	2.601	0	8.555	0	2356	47	2.3
4453.6	10000	38.3725	95.6228	-393	PS	3.5	1	11.7	2	1.3	1	0.295	-1	2.625	0	8.894	0	2345	46	2.3
4453.5	10000	38.3725	95.6220	-394	PS	3.4	1	11.5	2	1.3	0	0.299	0	2.717	0	9.083	1	2317	51	2.3
4453.4	10000	38.3725	95.6212	-394	PS	3.3	0	11.0	1	1.3	1	0.298	-1	2.529	0	8.487	0	2310	43	2.3
4453.3	10000	38.3725	95.6204	-395	PS	3.2	0	10.8	1	1.2	1	0.298	-1	2.592	0	8.686	0	2288	48	2.2
4453.2	10000	38.3725	95.6196	-396	PS	3.6	1	11.2	1	1.3	0	0.323	0	2.958	1	9.157	1	2284	45	2.2
4453.1	10000	38.3725	95.6188	-397	PS	3.6	1	11.6	2	1.3	0	0.311	0	2.864	0	9.196	1	2288	36	2.2
4453.0	10000	38.3725	95.6180	-397	PS	3.8	1	12.0	2	1.3	0	0.314	0	3.007	1	9.581	1	2303	50	2.2
4452.9	10000	38.3725	95.6172	-398	PS	3.4	0	12.0	2	1.2	0	0.279	-1	2.804	0	10.053	1	2308	50	2.2
4452.8	10000	38.3725	95.6164	-399	PS	3.5	1	12.3	2	1.2	0	0.282	-1	2.810	0	9.978	1	2343	47	2.2
4452.7	10000	38.3725	95.6156	-399	PS	3.8	1	12.2	2	1.3	0	0.305	0	3.029	1	9.618	1	2388	45	2.2
4452.6	10000	38.3725	95.6148	-400	PS	3.8	1	12.6	2	1.3	0	0.302	0	2.877	0	9.526	1	2436	50	2.2
4452.5	10000	38.3725	95.6140	-400	PS	3.6	1	12.2	2	1.3	1	0.292	-1	2.648	0	9.061	1	2471	46	2.2
4452.4	10000	38.3726	95.6132	-400	PS	3.6	1	12.3	2	1.4	1	0.293	-1	2.629	0	8.976	1	2487	42	2.2
4452.3	10000	38.3726	95.6124	-401	PS	3.4	1	12.3	2	1.4	1	0.276	-1	2.428	-1	8.810	0	2502	47	2.2
4452.2	10000	38.3726	95.6116	-402	PS	3.5	1	12.7	2	1.5	2	0.275	-1	2.330	-1	8.468	0	2513	56	2.2
4452.1	10000	38.3726	95.6107	-402	PS	3.4	1	12.7	2	1.5	1	0.265	-1	2.295	-1	8.648	0	2507	42	2.2
4452.0	10000	38.3726	95.6099	-403	PS	3.2	0	13.3	3	1.5	2	0.238	-2	2.154	-1	9.063	1	2501	52	2.2
4451.9	10000	38.3726	95.6091	-403	PS	3.3	0	13.0	3	1.5	1	0.253	-1	2.265	-1	8.937	1	2483	46	2.2
4451.8	10000	38.3726	95.6083	-403	PS	3.6	1	13.4	3	1.4	1	0.269	-1	2.555	0	9.513	1	2464	41	2.2
4451.7	10000	38.3726	95.6075	-404	PS	3.7	1	12.9	2	1.4	1	0.290	-1	2.730	0	9.398	1	2453	45	2.2
4451.6	10000	38.3726	95.6067	-404	PS	3.8	1	12.2	2	1.3	1	0.310	0	2.963	1	9.559	1	2402	40	2.2
4451.5	10000	38.3726	95.6059	-404	PS	4.1	2	11.7	2	1.2	0	0.351	0	3.422	1	9.760	1	2374	57	2.2
4451.4	10000	38.3726	95.6051	-404	PS	4.0	2	11.1	1	1.2	0	0.363	1	3.457	1	9.520	1	2331	39	2.2
4451.3	10000	38.3726	95.6043	-404	PS	4.0	2	11.6	2	1.2	0	0.363	1	3.454	1	9.653	1	2275	39	2.2
4451.2	10000	38.3726	95.6035	-404	PS	3.9	2	11.6	2	1.2	0	0.337	0	3.370	1	10.018	1	2222	40	2.2
4451.1	10000	38.3726	95.6027	-403	PS	3.7	2	11.5	2	1.2	0	0.321	0	3.362	1	9.827	1	2162	34	2.2
4451.0	10000	38.3726	95.6019	-403	PS	3.5	1	11.4	2	1.2	0	0.307	0	3.354	1	9.386	1	2100	44	2.2
4450.9	10000	38.3726	95.6011	-402	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.332	1	9.391	1	2090	38	2.2
4450.8	10000	38.3726	95.6003	-401	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.342	1	9.568	1	2063	55	2.2
4450.7	10000	38.3726	95.5995	-400	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.353	1	9.736	1	2048	45	2.2
4450.6	10000	38.3726	95.5987	-399	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.334	1	9.141	1	2046	45	2.2
4450.5	10000	38.3726	95.5979	-397	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.322	1	9.585	1	2062	45	2.2
4450.4	10000	38.3726	95.5970	-395	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.299	1	9.849	1	2075	45	2.2
4450.3	10000	38.3726	95.5962	-393	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.300	1	9.265	1	2089	45	2.2
4450.2	10000	38.3726	95.5954	-391	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.317	1	9.731	1	2102	45	2.2
4450.1	10000	38.3726	95.5946	-388	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.328	1	9.035	1	2121	45	2.2
4450.0	10000	38.3727	95.5938	-388	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.339	1	9.606	1	2124	45	2.2
4449.9	10000	38.3727	95.5930	-388	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.368	1	9.737	1	2091	45	2.2
4449.8	10000	38.3727	95.5922	-387	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.395	1	9.661	1	2072	45	2.2
4449.7	10000	38.3727	95.5914	-386	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.396	1	9.097	1	2066	45	2.2
4449.6	10000	38.3727	95.5906	-385	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.396	1	9.297	1	2055	45	2.2
4449.5	10000	38.3727	95.5898	-384	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.396	1	9.410	1	2042	45	2.2
4449.4	10000	38.3727	95.5890	-383	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.396	1	9.196	1	2050	45	2.2
4449.3	10000	38.3727	95.5882	-382	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.396	1	9.077	1	2047	45	2.2
4449.2	10000	38.3727	95.5874	-381	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.396	1	9.039	1	2080	45	2.2
4449.1	10000	38.3727	95.5866	-380	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.396	1	9.077	1	2101	45	2.2
4449.0	10000	38.3727	95.5858	-379	PS	3.4	1	11.3	2	1.2	0	0.301	0	3.396	1	9.077	1	2101	45	2.2

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4448.9	10000	38.3727	95.5849	-351	PS	3.8	1	9.4	0	1.2	0	0.409	1	3.343	1	8.182	0	2110	43	1.9
4448.8	10000	38.3727	95.5841	-347	PS	4.0	2	9.9	0	1.2	0	0.400	1	3.393	1	8.479	0	2134	42	1.9
4448.7	10000	38.3727	95.5833	-343	PS	3.9	2	10.1	0	1.2	0	0.384	1	3.358	1	8.743	0	2147	40	1.9
4448.6	10000	38.3727	95.5825	-338	PS	3.8	1	9.9	0	1.2	0	0.386	1	3.283	1	8.494	0	2151	47	1.9
4448.5	10000	38.3727	95.5817	-333	PS	3.9	2	10.5	1	1.1	1	0.376	2	3.505	2	9.310	1	2159	47	1.9
4448.4	10000	38.3727	95.5809	-328	PS	3.8	1	10.2	1	1.1	1	0.376	2	3.473	2	9.232	1	2152	49	1.8
4448.3	10000	38.3727	95.5801	-322	PS	3.8	1	10.4	1	1.1	1	0.370	2	3.542	2	9.569	1	2145	43	1.8
4448.2	10000	38.3727	95.5793	-316	PS	3.9	2	9.9	-1	1.1	1	0.393	2	3.701	2	9.425	1	2154	58	1.8
4448.1	10000	38.3727	95.5785	-311	PS	3.8	1	9.6	0	1.1	1	0.399	2	3.498	2	8.758	0	2160	53	1.8
4448.0	10000	38.3727	95.5777	-304	PS	3.7	1	9.9	0	1.2	1	0.379	1	3.172	1	8.361	0	2194	54	1.8
4447.9	10000	38.3727	95.5769	-296	PS	3.9	2	9.9	0	1.2	1	0.391	1	3.150	1	8.062	0	2242	35	1.8
4447.8	10000	38.3727	95.5761	-289	PS	4.0	2	9.9	0	1.3	1	0.403	1	3.157	1	7.824	0	2299	26	1.8
4447.7	10000	38.3727	95.5753	-281	PS	4.1	2	10.3	1	1.3	1	0.398	1	3.041	1	7.635	-1	2365	52	1.8
4447.6	10000	38.3727	95.5745	-272	PS	4.5	3	10.4	1	1.5	2	0.435	2	3.084	1	7.084	-1	2424	53	1.8
4447.5	10000	38.3727	95.5737	-263	PS	4.6	3	10.6	1	1.5	2	0.433	2	2.991	1	6.907	-1	2458	49	1.8
4447.4	10000	38.3727	95.5729	-253	PS	4.5	3	10.7	1	1.5	2	0.420	2	2.953	1	7.027	-1	2445	33	1.8
4447.3	10000	38.3727	95.5721	-243	PS	4.5	3	10.3	1	1.5	2	0.437	2	3.091	1	7.077	-1	2405	49	1.8
4447.2	10000	38.3727	95.5712	-233	PS	4.5	3	10.2	1	1.4	2	0.444	2	3.283	1	7.391	-1	2336	58	1.8
4447.1	10000	38.3727	95.5704	-222	PS	4.5	3	9.8	1	1.3	2	0.460	2	3.452	1	7.503	-1	2259	41	1.8
4447.0	10000	38.3728	95.5696	-211	PS	4.5	3	9.5	1	1.2	1	0.474	2	3.817	2	8.046	0	2175	54	1.7
4446.9	10000	38.3728	95.5688	-199	PS	4.3	2	9.2	0	1.2	1	0.465	2	4.120	3	8.867	0	2101	35	1.7
4446.8	10000	38.3728	95.5680	-187	PS	4.3	2	8.9	-1	1.2	0	0.482	3	4.513	4	9.363	1	2031	47	1.7
4446.7	10000	38.3728	95.5672	-175	PS	4.2	2	8.8	-1	1.2	-1	0.490	3	4.800	4	9.794	1	1994	44	1.7
4446.6	10000	38.3728	95.5664	-163	PS	4.3	2	9.0	-1	1.2	-1	0.475	3	5.035	5	10.591	2	1965	45	1.7
4446.5	10000	38.3728	95.5656	-152	PS	4.1	2	8.8	-1	1.2	-1	0.465	3	4.720	4	10.152	1	1952	40	1.7
4446.4	10000	38.3728	95.5648	-142	PS	3.8	1	9.1	-1	1.2	-1	0.416	2	4.305	3	10.356	2	1944	48	1.7
4446.3	10000	38.3728	95.5640	-131	PS	3.6	1	9.0	-1	1.1	-1	0.401	2	3.749	2	9.352	1	1957	42	1.7
4446.2	10000	38.3728	95.5632	-119	PS	3.5	1	9.1	-1	1.1	-1	0.383	2	3.309	2	8.648	1	1987	52	1.7
4446.1	10000	38.3728	95.5624	-107	PS	3.4	1	9.4	-1	1.1	-1	0.348	2	3.066	1	8.818	0	2004	62	1.7
4446.0	10000	38.3728	95.5616	-95	PS	3.3	1	9.6	-1	1.1	-1	0.342	2	3.054	1	8.920	0	2023	57	1.7
4445.9	10000	38.3728	95.5608	-85	PS	3.3	1	9.9	-1	1.1	-1	0.322	2	2.780	1	8.622	0	2036	51	1.7
4445.8	10000	38.3728	95.5600	-75	PS	3.3	1	9.9	-1	1.1	-1	0.329	2	2.688	1	8.081	0	2044	49	1.7
4445.7	10000	38.3728	95.5591	-65	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.768	1	8.398	0	2062	49	1.7
4445.6	10000	38.3728	95.5583	-55	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.629	1	8.723	0	2047	53	1.7
4445.5	10000	38.3728	95.5575	-46	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.649	1	8.302	0	2004	40	1.7
4445.4	10000	38.3728	95.5567	-38	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.667	1	8.215	0	1989	46	1.7
4445.3	10000	38.3728	95.5559	-29	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.802	1	8.801	0	1975	43	1.7
4445.2	10000	38.3728	95.5551	-21	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.118	1	9.445	1	1996	46	1.7
4445.1	10000	38.3728	95.5543	-13	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.269	1	9.056	1	2037	40	1.7
4445.0	10000	38.3728	95.5535	-7	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.246	1	9.366	1	2063	45	1.7
4444.9	10000	38.3728	95.5527	0	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.586	1	9.715	1	2115	49	1.7
4444.8	10000	38.3728	95.5519	6	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.665	1	9.369	1	2194	40	1.7
4444.7	10000	38.3728	95.5511	11	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.637	1	9.966	1	2230	46	1.8
4444.6	10000	38.3728	95.5503	16	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.416	1	9.796	1	2270	50	1.8
4444.5	10000	38.3728	95.5495	20	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.408	1	9.424	1	2282	48	1.8
4444.4	10000	38.3728	95.5487	24	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.288	1	9.379	1	2277	42	1.8
4444.3	10000	38.3729	95.5479	27	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.177	1	9.428	1	2309	47	1.8
4444.2	10000	38.3729	95.5471	30	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.126	1	9.160	1	2289	44	1.8
4444.1	10000	38.3729	95.5462	33	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.880	1	9.137	1	2252	46	1.8
4444.0	10000	38.3729	95.5454	33	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.706	1	9.129	1	2252	66	1.8
4443.9	10000	38.3729	95.5446	33	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.936	1	9.666	1	2253	47	1.8
4443.8	10000	38.3729	95.5438	33	PS	3.3	1	9.9	-1	1.1	-1	0.330	2	2.542	1	8.318	0	2253	41	1.8

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4443.7	10000	38.3729	95.5430	34	PS	3.5	1	11.1	1	1.3	1	0.316	0	2.701	0	8.553	0	2283	33	1.8
4443.6	10000	38.3729	95.5422	35	PS	3.6	1	11.0	1	1.3	1	0.328	0	2.849	0	8.673	0	2276	47	1.8
4443.5	10000	38.3729	95.5414	35	PS	3.7	1	10.9	1	1.3	1	0.342	0	2.889	0	8.456	0	2311	50	1.8
4443.4	10000	38.3729	95.5406	34	PS	4.0	2	10.4	1	1.3	1	0.383	0	3.175	0	8.290	0	2358	44	1.8
4443.3	10000	38.3729	95.5398	34	PS	4.5	3	10.8	1	1.3	1	0.418	1	3.419	0	8.173	0	2429	47	1.8
4443.2	10000	38.3729	95.5390	33	PS	4.5	3	11.3	2	1.3	1	0.396	1	3.377	0	8.534	0	2453	39	1.8
4443.1	10000	38.3729	95.5382	32	PS	4.5	3	11.0	1	1.3	1	0.409	1	3.433	0	8.397	0	2450	53	1.9
4443.0	10000	38.3729	95.5374	29	PS	4.7	3	11.0	1	1.2	1	0.423	2	3.742	0	8.844	0	2437	28	1.9
4442.9	10000	38.3729	95.5366	27	PS	4.3	2	11.2	1	1.2	1	0.387	2	3.459	1	8.932	1	2397	62	1.9
4442.8	10000	38.3729	95.5358	23	PS	4.1	2	11.2	1	1.2	1	0.368	1	3.336	1	9.058	1	2358	44	1.9
4442.7	10000	38.3729	95.5350	20	PS	4.0	2	11.4	2	1.2	1	0.353	1	3.351	1	9.493	1	2301	52	1.9
4442.6	10000	38.3729	95.5341	16	PS	3.7	1	10.8	1	1.1	1	0.343	1	3.356	1	9.798	1	2221	47	1.9
4442.5	10000	38.3729	95.5333	11	PS	3.4	1	10.4	1	1.1	1	0.326	1	3.174	1	9.736	1	2173	55	1.9
4442.4	10000	38.3729	95.5325	6	PS	3.7	1	10.7	1	1.1	1	0.347	1	3.641	2	10.479	2	2154	47	1.9
4442.3	10000	38.3729	95.5317	1	PS	3.4	1	10.5	1	1.1	1	0.319	1	3.150	1	9.884	1	2125	53	1.9
4442.2	10000	38.3729	95.5309	-4	PS	3.5	1	10.3	1	1.1	1	0.339	1	3.375	1	9.966	1	2110	55	1.9
4442.1	10000	38.3729	95.5301	-10	PS	3.4	1	9.8	1	1.0	1	0.344	1	3.275	1	9.525	1	2097	43	1.9
4442.0	10000	38.3729	95.5293	-16	PS	3.3	1	10.1	1	1.1	1	0.328	1	3.137	1	9.570	1	2093	58	1.9
4441.9	10000	38.3729	95.5285	-22	PS	3.1	1	10.4	1	1.0	1	0.302	0	2.941	1	9.737	1	2071	50	2.0
4441.8	10000	38.3729	95.5277	-30	PS	3.3	1	10.0	1	1.1	1	0.330	1	3.185	1	9.643	1	2041	42	2.0
4441.7	10000	38.3729	95.5269	-37	PS	3.1	1	9.7	1	1.0	1	0.317	1	3.043	1	9.607	1	1992	30	2.0
4441.6	10000	38.3729	95.5261	-45	PS	2.8	1	9.3	1	0.9	1	0.303	1	2.830	1	9.343	1	1942	42	2.0
4441.5	10000	38.3729	95.5253	-53	PS	2.6	1	9.4	1	0.8	1	0.273	1	2.736	1	10.011	1	1887	44	2.0
4441.4	10000	38.3730	95.5245	-61	PS	2.6	1	9.5	2	0.8	1	0.277	1	3.116	2	11.241	2	1845	54	2.0
4441.3	10000	38.3729	95.5237	-69	PS	2.8	1	9.2	1	0.9	1	0.304	1	3.285	1	10.801	2	1835	47	2.0
4441.2	10000	38.3730	95.5229	-78	PS	2.8	1	9.3	2	0.9	1	0.298	1	3.234	1	10.864	2	1851	44	2.0
4441.1	10000	38.3730	95.5220	-86	PS	2.7	1	9.4	2	0.9	1	0.284	1	2.938	1	10.351	2	1878	52	2.0
4441.0	10000	38.3730	95.5213	-94	PS	2.7	1	9.5	2	0.9	1	0.293	1	3.007	1	10.420	2	1928	54	2.0
4440.9	10000	38.3730	95.5204	-102	PS	3.0	2	10.0	2	1.0	1	0.296	1	3.211	1	10.867	2	1985	53	2.0
4440.8	10000	38.3730	95.5196	-110	PS	3.0	2	10.2	2	1.0	1	0.293	1	3.211	1	10.877	2	2081	54	2.0
4440.7	10000	38.3730	95.5188	-117	PS	3.0	2	10.3	2	1.0	1	0.291	1	3.211	1	9.411	2	2150	39	2.0
4440.6	10000	38.3730	95.5180	-125	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	9.206	2	2207	44	2.0
4440.5	10000	38.3730	95.5172	-132	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.896	2	2258	44	2.1
4440.4	10000	38.3730	95.5164	-140	PS	3.0	2	10.6	2	1.0	1	0.283	1	3.211	1	8.813	2	2311	42	2.1
4440.3	10000	38.3730	95.5156	-147	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.652	2	2355	52	2.1
4440.2	10000	38.3730	95.5148	-154	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.132	2	2420	53	2.1
4440.1	10000	38.3730	95.5140	-162	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.381	2	2461	52	2.1
4440.0	10000	38.3730	95.5132	-169	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.473	2	2522	52	2.1
4439.9	10000	38.3730	95.5124	-176	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.728	2	2562	44	2.1
4439.8	10000	38.3730	95.5116	-183	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.489	2	2589	44	2.1
4439.7	10000	38.3730	95.5108	-190	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.861	2	2602	53	2.1
4439.6	10000	38.3730	95.5100	-197	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.635	2	2604	53	2.1
4439.5	10000	38.3730	95.5092	-203	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.577	2	2583	40	2.1
4439.4	10000	38.3730	95.5083	-210	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.294	2	2542	43	2.1
4439.3	10000	38.3730	95.5075	-216	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.354	2	2484	51	2.1
4439.2	10000	38.3730	95.5067	-222	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.078	2	2438	43	2.1
4439.1	10000	38.3730	95.5059	-229	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.276	2	2382	58	2.1
4439.0	10000	38.3730	95.5051	-234	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.240	2	2340	64	2.1
4438.9	10000	38.3730	95.5043	-240	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.817	2	2310	50	2.1
4438.8	10000	38.3730	95.5035	-245	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.635	2	2273	48	2.1
4438.7	10000	38.3730	95.5027	-250	PS	3.0	2	10.5	2	1.0	1	0.286	1	3.211	1	8.819	2	2252	55	2.1
4438.6	10000	38.3730	95.5019	-254	PS	2.9	2	10.2	2	1.0	1	0.283	1	3.211	1	8.407	2	2244	42	2.1

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
4438.5	10000	38.3730	95.5011	-259	PD	2.9	-1	10.0	0	1.2	1	0.289	-1	2.426	-1	8.390	0	2234	54	2.1
4438.4	10000	38.3730	95.5003	-263	PD	2.7	-1	10.2	0	1.2	1	0.268	-1	2.263	-1	8.451	0	2233	33	2.1
4438.3	10000	38.3730	95.4995	-267	PD	3.1	0	9.9	0	1.2	1	0.319	0	2.635	-1	8.255	0	2233	37	2.1
4438.2	10000	38.3730	95.4987	-271	PD	3.0	0	9.7	0	1.2	1	0.306	0	2.460	-1	8.046	-1	2235	45	2.1
4438.1	10000	38.3730	95.4979	-274	PD	3.0	0	9.7	0	1.1	0	0.309	0	2.636	-1	8.534	0	2219	39	2.1
4438.0	10000	38.3730	95.4971	-277	PD	3.2	0	9.4	0	1.2	0	0.344	0	2.805	0	8.159	-1	2213	51	2.1
4437.9	10000	38.3730	95.4964	-280	PD	3.2	0	9.7	0	1.1	0	0.334	0	2.874	0	8.617	0	2198	58	2.1
4437.8	10000	38.3730	95.4956	-283	PD	3.2	0	10.2	0	1.1	0	0.315	0	2.964	0	9.405	0	2187	49	2.1
4437.7	10000	38.3730	95.4948	-286	PD	3.4	0	10.6	1	1.0	0	0.323	0	3.256	0	10.085	1	2189	43	2.1
4437.6	10000	38.3730	95.4940	-288	PD	3.1	0	10.7	1	1.1	0	0.295	-1	2.994	0	10.163	1	2170	32	2.1
4437.5	10000	38.3730	95.4932	-290	PD	3.1	0	10.5	1	1.1	0	0.297	-1	2.954	0	9.961	1	2146	51	2.1
4437.4	10000	38.3730	95.4924	-291	PD	3.2	0	10.8	1	1.1	0	0.295	-1	2.872	0	9.719	1	2147	52	2.1
4437.3	10000	38.3730	95.4916	-292	PD	2.9	-1	11.1	1	1.1	0	0.264	-1	2.696	0	10.222	1	2143	42	2.1
4437.2	10000	38.3730	95.4908	-293	PD	3.0	0	10.8	1	1.1	0	0.282	-1	2.693	0	9.543	0	2151	38	2.1
4437.1	10000	38.3730	95.4900	-294	PD	3.0	0	10.3	1	1.2	0	0.287	-1	2.453	-1	8.549	0	2153	63	2.1
4437.0	10000	38.3730	95.4892	-294	PD	3.0	0	10.1	1	1.3	0	0.295	-1	2.378	-1	8.072	-1	2143	42	2.1
4436.9	10000	38.3730	95.4884	-294	PD	3.1	0	9.8	1	1.3	0	0.314	0	2.400	-1	7.645	-1	2156	47	2.1
4436.8	10000	38.3730	95.4876	-294	PD	3.0	0	9.7	1	1.2	0	0.311	0	2.443	-1	7.860	-1	2167	54	2.1
4436.7	10000	38.3730	95.4868	-293	PD	3.0	0	10.0	1	1.2	0	0.303	-1	2.454	-1	8.100	-1	2189	47	2.1
4436.6	10000	38.3730	95.4860	-292	PD	3.3	0	10.4	1	1.2	0	0.317	0	2.690	0	8.485	0	2222	50	2.1
4436.5	10000	38.3730	95.4852	-290	PD	3.3	0	11.0	1	1.3	0	0.299	-1	2.579	-1	8.634	0	2244	41	2.1
4436.4	10000	38.3730	95.4844	-289	PD	3.3	0	11.3	1	1.3	0	0.293	-1	2.640	-1	9.019	0	2257	45	2.1
4436.3	10000	38.3730	95.4836	-286	PD	3.1	0	11.0	1	1.3	0	0.284	-1	2.390	-1	8.422	0	2281	43	2.1
4436.2	10000	38.3730	95.4828	-283	PD	3.0	0	11.5	2	1.3	0	0.259	-1	2.310	-1	8.903	0	2290	40	2.1
4436.1	10000	38.3730	95.4820	-280	PD	3.0	0	11.4	1	1.3	0	0.261	-1	2.217	-1	8.484	0	2293	48	2.1
4436.0	10000	38.3730	95.4812	-277	PD	3.3	0	10.7	1	1.4	2	0.305	-1	2.390	-1	7.834	-1	2311	54	2.1
4435.9	10000	38.3730	95.4804	-273	PD	3.4	0	10.3	1	1.4	2	0.333	0	2.462	-1	7.402	-1	2314	49	2.1
4435.8	10000	38.3730	95.4796	-268	PD	3.5	0	10.5	1	1.4	3	0.333	0	2.681	-1	7.801	-1	2306	53	2.1
4435.7	10000	38.3730	95.4788	-263	PD	3.7	0	10.7	1	1.4	3	0.344	0	2.779	-1	7.945	-1	2320	50	2.1
4435.6	10000	38.3730	95.4780	-257	PD	3.7	0	10.9	1	1.3	2	0.350	0	3.013	0	8.540	0	2324	50	2.1
4435.5	10000	38.3730	95.4772	-251	PD	3.8	0	10.9	1	1.3	2	0.353	0	3.078	0	8.494	0	2324	45	2.1
4435.4	10000	38.3730	95.4764	-245	PD	3.9	0	10.9	1	1.3	2	0.362	0	3.198	0	8.881	0	2338	37	2.1
4435.3	10000	38.3730	95.4756	-238	PD	3.7	0	10.5	1	1.3	2	0.360	0	3.147	0	8.805	0	2316	39	2.1
4435.2	10000	38.3730	95.4748	-231	PD	3.6	0	10.4	1	1.3	2	0.321	0	3.171	0	9.810	1	2296	50	2.1
4435.1	10000	38.3730	95.4740	-223	PD	3.6	0	10.4	1	1.3	2	0.323	0	3.234	0	9.690	1	2302	49	2.1
4435.0	10000	38.3730	95.4732	-215	PD	3.6	0	10.3	1	1.3	2	0.334	0	3.287	0	10.075	1	2295	51	2.1
4434.9	10000	38.3730	95.4724	-207	PD	3.6	0	10.3	1	1.3	2	0.326	0	3.551	1	10.124	1	2303	52	2.1
4434.8	10000	38.3730	95.4716	-199	PD	3.6	0	10.3	1	1.3	2	0.351	0	3.877	1	10.261	1	2302	46	2.1
4434.7	10000	38.3730	95.4708	-191	PD	3.6	0	10.3	1	1.3	2	0.378	0	4.195	1	10.351	1	2303	40	2.1
4434.6	10000	38.3730	95.4700	-184	PD	3.6	0	10.3	1	1.3	2	0.405	0	3.916	1	10.389	1	2314	56	2.1
4434.5	10000	38.3730	95.4692	-177	PD	3.6	0	10.3	1	1.3	2	0.377	0	3.504	1	10.075	1	2318	38	2.1
4434.4	10000	38.3730	95.4684	-171	PD	3.6	0	10.3	1	1.3	2	0.348	0	3.297	1	9.951	1	2312	42	2.1
4434.3	10000	38.3730	95.4676	-165	PD	3.6	0	10.3	1	1.3	2	0.331	0	3.327	1	9.854	1	2308	50	2.1
4434.2	10000	38.3730	95.4668	-160	PD	3.6	0	10.3	1	1.3	2	0.338	0	3.006	1	9.732	1	2269	46	2.1
4434.1	10000	38.3730	95.4660	-155	PD	3.6	0	10.3	1	1.3	2	0.309	0	2.847	1	9.023	1	2239	44	2.1
4434.0	10000	38.3730	95.4652	-152	PD	3.6	0	10.3	1	1.3	2	0.284	-1	2.449	1	9.682	1	2211	49	2.1
4433.9	10000	38.3730	95.4644	-149	PD	3.6	0	10.3	1	1.3	2	0.263	-1	2.530	1	9.611	1	2188	40	2.1
4433.8	10000	38.3730	95.4637	-147	PD	3.6	0	10.3	1	1.3	2	0.284	-1	2.730	1	9.603	1	2171	39	2.1
4433.7	10000	38.3730	95.4629	-146	PD	3.6	0	10.3	1	1.3	2	0.278	-1	2.691	1	9.671	1	2155	37	2.1
4433.6	10000	38.3730	95.4621	-145	PD	3.6	0	10.3	1	1.3	2	0.293	-1	2.740	1	9.338	1	2145	43	2.1
4433.5	10000	38.3730	95.4613	-146	PD	3.6	0	10.3	1	1.3	2	0.282	-1	2.795	1	9.897	1	2150	49	2.1
4433.4	10000	38.3730	95.4605	-147	PD	3.6	0	10.3	1	1.3	2	0.286	-1	2.721	1	9.524	1	2181	49	2.1

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4433.3	10000	38.3730	95.4597	-149	PD	3.2	0	11.1	1	1.1	0	0.290	-1	2.841	0	9.788	1	2200	57	2.0
4433.2	10000	38.3730	95.4589	-153	PD	3.5	1	10.9	1	1.2	1	0.324	0	2.961	0	9.127	0	2211	44	2.0
4433.1	10000	38.3730	95.4581	-157	PD	3.4	1	11.1	1	1.2	1	0.311	0	2.864	0	9.214	0	2239	49	2.0
4433.0	10000	38.3730	95.4573	-161	PD	3.6	1	10.9	1	1.2	1	0.329	0	2.972	0	9.043	0	2249	57	2.0
4432.9	10000	38.3730	95.4565	-167	PD	3.6	1	11.2	1	1.2	1	0.325	0	2.994	0	9.214	0	2264	49	2.0
4432.8	10000	38.3730	95.4557	-172	PD	3.6	1	11.0	1	1.3	1	0.331	0	2.834	0	8.552	0	2286	46	2.0
4432.7	10000	38.3730	95.4549	-179	PD	3.5	1	10.7	1	1.3	1	0.326	0	2.670	0	8.197	-1	2296	45	2.0
4432.6	10000	38.3730	95.4541	-185	PD	3.4	1	10.7	1	1.3	1	0.322	0	2.639	-1	8.200	-1	2311	48	2.0
4432.5	10000	38.3730	95.4533	-193	PD	3.5	1	10.7	1	1.3	1	0.324	0	2.762	0	8.516	0	2318	56	2.1
4432.4	10000	38.3730	95.4525	-200	PD	3.5	1	10.7	1	1.2	1	0.331	0	2.849	0	8.610	0	2301	57	2.1
4432.3	10000	38.3730	95.4517	-209	PD	3.4	1	10.8	1	1.2	1	0.320	0	2.902	0	9.075	0	2295	42	2.1
4432.2	10000	38.3729	95.4509	-217	PD	3.5	1	10.3	1	1.2	1	0.340	0	2.927	0	8.603	0	2291	35	2.1
4432.1	10000	38.3729	95.4501	-226	PD	3.6	1	10.1	0	1.1	0	0.357	0	3.151	0	8.832	0	2284	37	2.1
4432.0	10000	38.3729	95.4493	-235	PD	3.8	1	10.4	0	1.1	0	0.367	1	3.475	1	9.464	0	2268	41	2.1
4431.9	10000	38.3729	95.4485	-244	PD	4.1	2	10.2	1	1.1	0	0.404	1	3.739	1	9.259	0	2260	31	2.1
4431.8	10000	38.3729	95.4477	-253	PD	3.9	2	10.2	0	1.1	0	0.387	1	3.507	1	9.064	0	2259	38	2.1
4431.7	10000	38.3729	95.4469	-262	PD	3.9	2	10.5	0	1.1	0	0.373	1	3.453	1	9.264	0	2265	50	2.1
4431.6	10000	38.3729	95.4461	-271	PD	3.8	1	10.4	1	1.2	1	0.367	1	3.190	1	8.700	0	2276	38	2.1
4431.5	10000	38.3729	95.4453	-280	PD	3.7	1	10.5	1	1.2	0	0.348	0	3.179	0	9.137	0	2267	48	2.1
4431.4	10000	38.3729	95.4445	-289	PD	3.4	1	10.8	1	1.2	0	0.320	0	2.978	0	9.317	0	2262	58	2.1
4431.3	10000	38.3729	95.4437	-298	PD	3.3	0	11.0	1	1.2	0	0.302	-1	2.859	0	9.483	0	2260	45	2.1
4431.2	10000	38.3729	95.4429	-306	PD	2.9	-1	11.0	1	1.1	0	0.261	-1	2.605	-1	9.974	1	2229	48	2.1
4431.1	10000	38.3729	95.4421	-314	PD	2.9	-1	11.3	1	1.1	0	0.254	-1	2.601	-1	10.258	1	2229	53	2.1
4431.0	10000	38.3729	95.4413	-322	PD	2.9	-1	11.5	2	1.1	0	0.250	-2	2.690	-1	10.770	1	2235	33	2.1
4430.9	10000	38.3729	95.4405	-330	PD	3.5	-1	11.8	2	1.1	0	0.294	-1	3.242	0	11.024	1	2250	45	2.1
4430.8	10000	38.3729	95.4397	-337	PD	3.5	-1	11.9	2	1.1	0	0.292	-1	3.221	0	11.021	1	2252	49	2.1
4430.7	10000	38.3729	95.4389	-344	PD	3.5	-1	12.0	2	1.1	0	0.293	-1	3.237	0	11.044	1	2260	38	2.2
4430.6	10000	38.3729	95.4381	-351	PD	3.7	-1	11.7	2	1.1	0	0.311	0	3.316	1	10.649	1	2277	47	2.2
4430.5	10000	38.3729	95.4373	-357	PD	4.0	2	11.5	2	1.1	0	0.351	0	3.607	1	10.279	1	2306	53	2.2
4430.4	10000	38.3729	95.4365	-363	PD	4.1	2	11.5	2	1.2	0	0.360	1	3.587	1	9.961	1	2307	57	2.2
4430.3	10000	38.3729	95.4357	-368	PD	4.0	2	10.9	1	1.2	1	0.368	1	3.391	1	9.214	0	2312	36	2.2
4430.2	10000	38.3729	95.4349	-374	PD	3.7	2	11.0	2	1.2	1	0.325	0	3.091	1	9.513	0	2308	55	2.2
4430.1	10000	38.3729	95.4341	-379	PD	3.6	2	11.1	2	1.2	1	0.317	0	2.980	0	9.401	0	2320	39	2.2
4430.0	10000	38.3729	95.4333	-384	PD	3.8	2	11.1	2	1.2	1	0.340	0	3.103	0	9.132	0	2329	50	2.2
4429.9	10000	38.3729	95.4325	-389	PD	4.0	2	11.1	2	1.2	1	0.322	0	3.088	0	9.017	0	2351	41	2.2
4429.8	10000	38.3729	95.4317	-393	PD	4.3	2	11.2	2	1.2	1	0.294	0	3.067	0	8.742	0	2379	45	2.2
4429.7	10000	38.3729	95.4310	-397	PD	4.6	2	11.3	2	1.2	1	0.286	0	3.532	0	8.867	0	2421	36	2.2
4429.6	10000	38.3729	95.4301	-401	PD	4.8	2	11.3	2	1.2	1	0.300	0	3.699	0	8.989	0	2450	42	2.2
4429.5	10000	38.3729	95.4294	-404	PD	5.0	2	11.4	2	1.2	1	0.323	0	3.773	0	8.998	0	2479	43	2.2
4429.4	10000	38.3729	95.4286	-407	PD	5.0	2	11.5	2	1.2	1	0.330	0	3.869	0	8.694	0	2525	62	2.2
4429.3	10000	38.3729	95.4278	-410	PD	4.8	2	11.6	2	1.2	1	0.310	0	3.715	0	8.759	0	2572	43	2.2
4429.2	10000	38.3729	95.4270	-413	PD	4.7	2	11.7	2	1.2	1	0.337	0	3.853	0	8.058	0	2584	48	2.2
4429.1	10000	38.3729	95.4262	-416	PD	4.5	2	11.8	2	1.2	1	0.356	0	3.167	0	8.889	0	2587	45	2.2
4429.0	10000	38.3729	95.4254	-418	PD	4.5	2	12.1	2	1.2	1	0.368	0	3.299	0	8.958	0	2575	50	2.2
4428.9	10000	38.3729	95.4246	-420	PD	4.5	2	12.2	2	1.2	1	0.410	0	3.774	0	9.198	0	2553	46	2.2
4428.8	10000	38.3729	95.4238	-422	PD	4.6	2	12.2	2	1.2	1	0.391	0	3.821	0	9.772	0	2534	52	2.2
4428.7	10000	38.3729	95.4230	-425	PD	4.8	2	12.3	2	1.2	1	0.373	0	3.580	0	9.589	0	2499	50	2.2
4428.6	10000	38.3729	95.4222	-426	PD	4.8	2	12.4	2	1.2	1	0.391	0	3.956	0	9.108	0	2446	46	2.2
4428.5	10000	38.3729	95.4214	-427	PD	4.8	2	12.5	2	1.2	1	0.374	0	3.646	0	9.736	1	2405	54	2.2
4428.4	10000	38.3729	95.4206	-429	PD	4.8	2	12.5	2	1.2	1	0.358	0	3.632	0	9.142	1	2370	52	2.2
4428.3	10000	38.3729	95.4198	-430	PD	4.7	2	12.6	2	1.2	1	0.354	0	3.467	0	9.802	1	2344	50	2.2
4428.2	10000	38.3729	95.4190	-431	PD	3.4	1	11.5	2	1.2	1	0.298	0	2.810	0	9.441	0	2337	46	2.3

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4428.1	10000	38.3729	95.4182	-432	PD	3.4	1	11.4	1	1.3	1	0.303	-1	2.586	-1	8.548	0	2323	57	2.3
4428.0	10000	38.3729	95.4174	-433	PD	3.4	1	11.4	1	1.3	1	0.302	-1	2.701	0	8.940	0	2301	43	2.3
4427.9	10000	38.3729	95.4166	-433	PD	3.0	1	10.9	1	1.2	1	0.279	-1	2.458	-1	8.818	0	2283	57	2.3
4427.8	10000	38.3729	95.4158	-434	PD	3.5	1	11.2	1	1.2	1	0.310	0	2.834	0	9.144	0	2275	60	2.3
4427.7	10000	38.3729	95.4150	-434	PD	3.2	0	11.1	1	1.2	1	0.285	-1	2.570	-1	9.029	0	2270	47	2.3
4427.6	10000	38.3729	95.4142	-434	PD	3.0	0	11.3	1	1.2	1	0.264	-1	2.421	-1	9.172	0	2272	36	2.4
4427.5	10000	38.3729	95.4134	-434	PD	3.1	0	11.3	1	1.2	1	0.271	-1	2.503	-1	9.248	0	2258	40	2.4
4427.4	10000	38.3729	95.4126	-434	PD	2.9	-1	10.4	1	1.1	0	0.281	-1	2.547	-1	9.056	0	2240	43	2.4
4427.3	10000	38.3729	95.4118	-435	PD	3.0	0	10.2	0	1.2	0	0.294	-1	2.545	-1	8.644	0	2223	54	2.4
4427.2	10000	38.3729	95.4110	-435	PD	3.2	0	10.2	0	1.2	0	0.312	0	2.651	-1	8.509	0	2199	48	2.4
4427.1	10000	38.3729	95.4102	-435	PD	2.8	-1	9.8	0	1.1	0	0.285	-1	2.455	-1	8.614	0	2158	39	2.4
4427.0	10000	38.3729	95.4094	-436	PD	3.1	0	9.7	0	1.1	0	0.317	0	2.858	0	9.008	0	2127	48	2.4
4426.9	10000	38.3729	95.4086	-435	PD	3.0	0	8.8	-1	1.0	-1	0.342	0	3.038	0	8.874	0	2074	50	2.4
4426.8	10000	38.3729	95.4078	-436	PD	3.0	0	8.8	-1	1.0	-1	0.344	0	3.069	0	8.920	0	2036	34	2.4
4426.7	10000	38.3729	95.4070	-436	PD	3.0	0	9.3	0	1.0	-1	0.318	0	3.054	0	9.592	0	2003	51	2.4
4426.6	10000	38.3729	95.4062	-436	PD	2.8	-1	9.4	0	0.9	-1	0.298	-1	3.025	0	10.148	1	1972	55	2.4
4426.5	10000	38.3729	95.4054	-437	PD	2.9	-1	8.9	-1	0.9	-1	0.322	0	3.153	0	9.798	1	1964	46	2.4
4426.4	10000	38.3729	95.4046	-437	PD	2.9	-1	8.7	-1	1.0	-1	0.331	0	3.010	0	9.091	0	1961	46	2.4
4426.3	10000	38.3729	95.4038	-438	PD	3.0	0	8.4	-1	0.9	-1	0.355	0	3.203	0	9.030	0	1949	56	2.4
4426.2	10000	38.3729	95.4030	-439	PD	3.3	0	8.6	-1	0.9	-1	0.378	1	3.515	1	9.290	0	1956	54	2.4
4426.1	10000	38.3729	95.4022	-439	PD	3.2	0	8.6	-1	1.0	-1	0.372	1	3.293	1	8.854	0	1962	49	2.4
4426.0	10000	38.3729	95.4014	-440	PD	3.0	0	8.8	-1	1.0	-1	0.340	0	3.022	0	8.886	0	1970	41	2.4
4425.9	10000	38.3729	95.4007	-440	PD	3.2	0	8.5	-1	1.0	0	0.373	1	3.048	0	8.174	-1	1990	39	2.4
4425.8	10000	38.3729	95.3998	-441	PD	3.0	0	9.0	-1	1.1	0	0.337	0	2.803	0	8.323	0	2012	48	2.4
4425.7	10000	38.3728	95.3990	-442	PD	3.1	0	9.2	0	1.1	0	0.336	0	2.773	0	8.247	0	2048	61	2.4
4425.6	10000	38.3728	95.3983	-443	PD	2.8	-1	9.5	0	1.2	0	0.292	-1	2.363	-1	8.096	-1	2107	43	2.4
4425.5	10000	38.3728	95.3974	-444	PD	2.6	-1	10.4	1	1.2	1	0.248	-2	2.075	-1	8.383	0	2149	47	2.4
4425.4	10000	38.3728	95.3967	-445	PD	2.8	-1	10.2	0	1.2	1	0.272	-1	2.323	-1	8.542	0	2214	53	2.4
4425.3	10000	38.3728	95.3959	-446	PD	3.2	0	10.0	0	1.2	1	0.321	0	2.693	0	8.386	0	2265	42	2.4
4425.2	10000	38.3728	95.3951	-448	PD	3.3	0	10.0	0	1.2	1	0.319	0	2.724	0	8.533	0	2329	46	2.4
4425.1	10000	38.3728	95.3943	-449	PD	3.3	0	10.0	0	1.2	1	0.311	0	2.630	0	8.466	0	2376	49	2.4
4425.0	10000	38.3728	95.3935	-450	PD	3.3	0	10.0	0	1.2	1	0.311	0	2.760	0	8.882	0	2427	37	2.4
4424.9	10000	38.3728	95.3927	-450	PD	3.4	0	10.0	0	1.2	1	0.352	0	2.292	0	8.347	0	2464	40	2.4
4424.8	10000	38.3728	95.3919	-451	PD	3.4	0	10.0	0	1.2	1	0.347	0	2.121	0	8.982	0	2531	52	2.4
4424.7	10000	38.3728	95.3911	-452	PD	3.4	0	10.0	0	1.2	1	0.351	0	2.018	0	8.594	0	2564	41	2.4
4424.6	10000	38.3728	95.3903	-452	PD	3.4	0	10.0	0	1.2	1	0.356	0	2.079	0	8.639	0	2621	36	2.4
4424.5	10000	38.3728	95.3895	-452	PD	3.4	0	10.0	0	1.2	1	0.400	0	2.501	0	8.760	0	2644	46	2.4
4424.4	10000	38.3728	95.3887	-453	PD	3.4	0	10.0	0	1.2	1	0.398	0	2.318	0	8.338	0	2693	45	2.4
4424.3	10000	38.3728	95.3879	-453	PD	3.4	0	10.0	0	1.2	1	0.410	0	2.458	0	8.441	0	2728	52	2.4
4424.2	10000	38.3728	95.3871	-453	PD	3.4	0	10.0	0	1.2	1	0.396	0	2.222	0	8.855	0	2762	43	2.4
4424.1	10000	38.3728	95.3863	-453	PD	3.4	0	10.0	0	1.2	1	0.424	0	2.991	0	8.599	0	2774	48	2.4
4424.0	10000	38.3728	95.3855	-453	PD	3.4	0	10.0	0	1.2	1	0.371	0	2.099	0	8.069	0	2766	54	2.4
4423.9	10000	38.3728	95.3847	-452	PD	3.4	0	10.0	0	1.2	1	0.340	0	1.909	0	8.545	0	2757	46	2.4
4423.8	10000	38.3728	95.3839	-452	PD	3.4	0	10.0	0	1.2	1	0.273	-1	2.327	-1	8.523	0	2759	43	2.4
4423.7	10000	38.3728	95.3831	-452	PD	3.4	0	10.0	0	1.2	1	0.265	-1	2.184	-1	8.306	0	2748	41	2.4
4423.6	10000	38.3728	95.3823	-451	PD	3.4	0	10.0	0	1.2	1	0.236	-1	2.244	-1	8.466	0	2745	52	2.4
4423.5	10000	38.3728	95.3815	-450	PD	3.4	0	10.0	0	1.2	1	0.244	-1	2.376	-1	8.516	0	2729	45	2.4
4423.4	10000	38.3728	95.3807	-450	PD	3.4	0	10.0	0	1.2	1	0.257	-1	2.558	-1	8.745	0	2713	42	2.4
4423.3	10000	38.3728	95.3799	-448	PD	3.4	0	10.0	0	1.2	1	0.269	-1	2.426	-1	8.970	0	2726	36	2.4
4423.2	10000	38.3728	95.3791	-447	PD	3.4	0	10.0	0	1.2	1	0.277	-1	2.490	-1	9.028	0	2705	36	2.4
4423.1	10000	38.3728	95.3783	-447	PD	3.4	0	10.0	0	1.2	1	0.307	-1	2.527	-1	8.977	0	2688	31	2.4
4423.0	10000	38.3728	95.3775	-446	PD	4.0	0	10.0	0	1.2	1	0.307	-1	2.527	-1	8.222	0	2695	31	2.4

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4422.9	10000	38.3728	95.3767	-444	PD	4.1	2	12.3	2	1.6	3	0.329	0	2.613	-1	7.943	-1	2659	40	2.3
4422.8	10000	38.3728	95.3759	-443	PD	4.0	2	12.3	2	1.5	2	0.322	0	2.690	0	8.347	0	2637	42	2.3
4422.7	10000	38.3728	95.3751	-441	PD	3.9	2	12.2	2	1.4	2	0.321	0	2.721	0	8.474	0	2614	41	2.3
4422.6	10000	38.3728	95.3743	-439	PD	3.8	1	11.6	2	1.4	2	0.330	0	2.749	0	8.321	0	2572	45	2.3
4422.5	10000	38.3729	95.3735	-438	PD	3.7	1	11.9	2	1.4	2	0.309	0	2.548	-1	8.259	0	2553	48	2.3
4422.4	10000	38.3729	95.3726	-436	PD	4.0	2	11.9	2	1.4	2	0.337	0	2.869	0	8.507	0	2541	50	2.3
4422.3	10000	38.3729	95.3718	-434	PD	4.0	2	11.8	2	1.3	1	0.339	0	3.129	0	9.229	0	2501	49	2.3
4422.2	10000	38.3729	95.3710	-431	PD	4.1	2	12.1	2	1.3	1	0.336	0	3.225	0	9.588	0	2486	43	2.3
4422.1	10000	38.3730	95.3702	-429	PD	3.8	1	12.2	2	1.3	1	0.315	0	2.967	0	9.431	0	2468	50	2.3
4422.0	10000	38.3730	95.3694	-427	PD	3.6	1	12.0	2	1.3	1	0.303	-1	2.787	0	9.190	0	2455	43	2.3
4421.9	10000	38.3730	95.3685	-425	PD	3.4	0	12.0	2	1.4	1	0.284	-1	2.510	-1	8.832	0	2466	32	2.3
4421.8	10000	38.3730	95.3677	-423	PD	3.6	1	12.3	2	1.3	1	0.290	-1	2.765	0	9.522	0	2479	44	2.3
4421.7	10000	38.3730	95.3669	-421	PD	3.5	1	12.5	2	1.3	1	0.276	-1	2.619	-1	9.472	0	2481	44	2.3
4421.6	10000	38.3731	95.3661	-420	PD	3.6	1	12.4	2	1.3	1	0.288	-1	2.699	0	9.382	0	2479	59	2.3
4421.5	10000	38.3731	95.3652	-419	PD	3.7	1	12.1	2	1.4	2	0.303	-1	2.665	0	8.803	0	2481	47	2.3
4421.4	10000	38.3731	95.3644	-418	PD	3.9	2	11.8	2	1.4	2	0.330	0	2.834	0	8.576	0	2475	44	2.3
4421.3	10000	38.3731	95.3636	-418	PD	4.0	2	11.9	2	1.4	2	0.341	0	2.947	0	8.646	0	2464	42	2.3
4421.2	10000	38.3731	95.3628	-418	PD	4.2	2	11.9	2	1.3	1	0.352	0	3.115	0	8.855	0	2439	33	2.3
4421.1	10000	38.3732	95.3620	-418	PD	4.4	2	11.6	2	1.3	1	0.377	1	3.385	1	8.975	0	2399	48	2.3
4421.0	10000	38.3732	95.3612	-419	PD	4.3	2	11.3	2	1.3	1	0.378	1	3.467	1	9.166	0	2344	42	2.3
4420.9	10000	38.3732	95.3603	-419	PD	4.2	2	11.1	1	1.3	1	0.374	1	3.301	1	8.820	0	2310	48	2.3
4420.8	10000	38.3732	95.3595	-420	PD	3.9	2	10.8	1	1.2	0	0.367	1	3.356	1	9.157	0	2257	48	2.3
4420.7	10000	38.3732	95.3587	-422	PD	3.9	1	10.8	1	1.1	0	0.356	0	3.498	1	9.834	1	2206	47	2.2
4420.6	10000	38.3733	95.3579	-423	PD	3.7	1	10.6	1	1.0	0	0.350	0	3.609	1	10.310	1	2171	49	2.2
4420.5	10000	38.3733	95.3571	-424	PD	3.7	1	10.4	1	1.0	-1	0.358	0	3.721	1	10.399	1	2122	53	2.2
4420.4	10000	38.3733	95.3562	-425	PD	3.6	1	10.4	1	1.0	-1	0.344	0	3.646	1	10.607	1	2090	32	2.2
4420.3	10000	38.3733	95.3554	-426	PD	3.5	1	10.2	1	1.0	-1	0.344	0	3.513	1	10.853	1	2069	38	2.2
4420.2	10000	38.3733	95.3546	-428	PD	3.4	1	10.0	1	1.0	-1	0.340	0	3.621	1	11.078	1	2028	41	2.2
4420.1	10000	38.3734	95.3538	-429	PD	3.3	1	9.9	1	1.0	-1	0.333	0	3.606	1	11.014	1	2020	37	2.2
4420.0	10000	38.3734	95.3530	-429	PD	3.3	1	9.9	1	1.0	-1	0.333	0	3.619	1	10.753	1	2006	38	2.2
4419.9	10000	38.3734	95.3521	-431	PD	3.3	1	9.9	1	1.0	-1	0.333	0	3.680	1	10.803	1	1985	59	2.2
4419.8	10000	38.3734	95.3513	-432	PD	3.3	1	9.9	1	1.0	-1	0.333	0	3.997	1	10.374	1	1979	43	2.2
4419.7	10000	38.3734	95.3505	-432	PD	3.3	1	9.9	1	1.0	-1	0.333	0	3.926	1	10.332	1	1959	50	2.2
4419.6	10000	38.3735	95.3497	-433	PD	3.3	1	9.9	1	1.0	-1	0.333	0	3.330	1	10.124	1	1937	57	2.2
4419.5	10000	38.3735	95.3488	-433	PD	3.3	1	9.9	1	1.0	-1	0.333	0	4.320	2	10.480	1	1922	32	2.2
4419.4	10000	38.3735	95.3480	-434	PD	3.3	1	9.9	1	1.0	-1	0.333	0	4.029	2	10.151	1	1898	42	2.2
4419.3	10000	38.3735	95.3472	-434	PD	3.3	1	9.9	1	1.0	-1	0.333	0	4.130	2	10.534	1	1888	45	2.2
4419.2	10000	38.3736	95.3464	-434	PD	3.3	1	9.9	1	1.0	-1	0.333	0	4.672	2	10.186	1	1883	39	2.2
4419.1	10000	38.3736	95.3456	-434	PD	3.3	1	9.9	1	1.0	-1	0.333	0	4.316	2	10.685	1	1885	43	2.2
4419.0	10000	38.3736	95.3448	-434	PD	3.3	1	9.9	1	1.0	-1	0.333	0	4.268	2	10.339	1	1914	48	2.2
4418.9	10000	38.3736	95.3439	-434	PD	3.3	1	9.9	1	1.0	-1	0.333	0	4.191	2	10.361	1	1944	47	2.2
4418.8	10000	38.3736	95.3431	-434	PD	3.3	1	9.9	1	1.0	-1	0.333	0	4.053	2	10.085	1	1973	61	2.2
4418.7	10000	38.3737	95.3423	-434	PD	3.3	1	9.9	1	1.0	-1	0.333	0	4.134	2	9.930	1	2002	50	2.2
4418.6	10000	38.3737	95.3415	-433	PD	3.3	1	9.9	1	1.0	-1	0.333	0	3.918	2	9.621	1	2030	50	2.2
4418.5	10000	38.3737	95.3407	-433	PD	3.3	1	9.9	1	1.0	-1	0.333	0	3.368	2	9.406	1	2056	42	2.2
4418.4	10000	38.3737	95.3398	-432	PD	3.3	1	9.9	1	1.0	-1	0.333	0	3.625	2	9.608	1	2067	39	2.2
4418.3	10000	38.3737	95.3390	-432	PD	3.3	1	9.9	1	1.0	-1	0.333	0	3.722	2	9.788	1	2079	34	2.2
4418.2	10000	38.3738	95.3382	-430	PD	3.3	1	9.9	1	1.0	-1	0.333	0	3.715	2	9.745	1	2107	51	2.2
4418.1	10000	38.3738	95.3374	-429	PD	3.3	1	9.9	1	1.0	-1	0.333	0	3.706	2	9.605	1	2123	36	2.2
4418.0	10000	38.3738	95.3365	-428	PD	3.3	1	9.9	1	1.0	-1	0.333	0	3.480	2	9.214	1	2135	39	2.2
4417.9	10000	38.3738	95.3357	-427	PD	3.3	1	9.9	1	1.0	-1	0.333	0	3.937	2	9.854	1	2146	48	2.2
4417.8	10000	38.3738	95.3349	-425	QAL	3.3	1	9.9	1	1.0	-1	0.333	0	3.319	2	9.214	1	2154	46	2.2

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4417.7	10000	38.3739	95.3341	-423	QAL	3.1	0	9.4	0	1.1	-1	0.333	0	2.950	1	8.872	1	2134	66	2.2
4417.6	10000	38.3739	95.3333	-421	QAL	3.2	0	9.4	0	1.0	-1	0.339	0	3.060	1	9.027	1	2138	48	2.2
4417.5	10000	38.3739	95.3324	-419	QAL	3.1	0	9.3	0	1.0	-1	0.330	0	2.959	1	8.961	1	2125	42	2.2
4417.4	10000	38.3739	95.3316	-417	QAL	3.5	1	8.9	0	1.0	-1	0.395	1	3.393	1	8.597	1	2104	63	2.2
4417.3	10000	38.3739	95.3308	-415	QAL	3.7	1	8.9	0	1.0	-1	0.416	1	3.744	2	8.997	1	2083	48	2.2
4417.2	10000	38.3740	95.3300	-413	QAL	3.8	1	8.7	0	1.0	-1	0.439	2	3.957	2	9.011	1	2059	38	2.2
4417.1	10000	38.3740	95.3292	-411	QAL	4.2	2	9.0	0	0.9	-1	0.465	2	4.562	3	9.817	1	2042	42	2.2
4417.0	10000	38.3740	95.3284	-407	QAL	4.1	2	9.1	0	0.9	-1	0.448	2	4.496	3	10.031	2	2031	43	2.2
4416.9	10000	38.3740	95.3275	-404	QAL	3.9	2	9.1	0	0.9	-1	0.426	1	4.194	2	9.838	1	2009	35	2.2
4416.8	10000	38.3740	95.3267	-402	QAL	3.8	1	9.1	0	0.9	-1	0.417	1	4.100	2	9.822	1	1990	53	2.2
4416.7	10000	38.3741	95.3259	-398	QAL	3.5	1	9.2	0	0.9	-1	0.375	1	3.689	2	9.845	1	1976	53	2.2
4416.6	10000	38.3741	95.3251	-395	QAL	3.4	1	9.1	0	1.0	-1	0.370	1	3.547	2	9.576	1	1986	38	2.2
4416.5	10000	38.3741	95.3242	-392	QAL	3.3	1	9.4	0	1.0	-1	0.353	1	3.402	1	9.626	1	2012	46	2.2
4416.4	10000	38.3741	95.3234	-388	QAL	3.2	1	10.0	1	1.0	-1	0.317	0	3.246	1	10.254	2	2015	57	2.2
4416.3	10000	38.3742	95.3226	-384	QAL	3.1	0	10.4	1	1.0	-1	0.294	-1	3.019	1	10.254	2	2061	34	2.2
4416.2	10000	38.3742	95.3218	-380	QAL	3.2	0	10.4	1	1.1	-1	0.303	-1	2.911	1	9.608	1	2112	57	2.2
4416.1	10000	38.3742	95.3210	-375	QAL	3.1	0	10.9	1	1.1	0	0.283	-1	2.735	1	9.676	1	2187	44	2.2
4416.0	10000	38.3742	95.3201	-372	QAL	3.1	0	11.4	2	1.1	0	0.275	-1	2.782	0	10.109	2	2250	42	2.2
4415.9	10000	38.3742	95.3193	-369	QAL	3.4	1	11.7	2	1.1	0	0.287	-1	2.941	1	10.246	2	2273	38	2.2
4415.8	10000	38.3743	95.3185	-366	QAL	3.4	1	11.4	2	1.1	0	0.296	-1	2.952	1	9.984	2	2277	34	2.2
4415.7	10000	38.3743	95.3177	-362	QAL	3.6	1	10.7	1	1.2	0	0.337	0	3.082	1	9.151	1	2306	41	2.2
4415.6	10000	38.3743	95.3169	-358	QAL	4.0	2	11.1	2	1.2	0	0.356	0	3.366	1	9.456	1	2308	45	2.2
4415.5	10000	38.3743	95.3160	-353	QAL	4.0	2	11.3	2	1.1	0	0.354	0	3.527	1	9.961	2	2291	67	2.2
4415.4	10000	38.3743	95.3152	-347	QAL	4.0	2	11.2	2	1.1	-1	0.354	0	3.639	2	10.271	2	2265	68	2.2
4415.3	10000	38.3744	95.3144	-342	QAL	3.8	1	10.5	1	1.2	-1	0.366	0	3.417	1	9.348	1	2239	46	2.2
4415.2	10000	38.3744	95.3136	-336	QAL	3.5	1	10.4	1	1.2	0	0.342	0	3.010	1	8.796	1	2231	51	2.2
4415.1	10000	38.3744	95.3128	-329	QAL	3.6	1	11.0	2	1.2	0	0.329	-1	3.140	1	9.555	1	2231	66	2.2
4415.0	10000	38.3744	95.3120	-322	QAL	3.4	1	11.2	2	1.2	0	0.299	-1	2.918	1	9.744	1	2227	48	2.2
4414.9	10000	38.3744	95.3111	-314	QAL	3.2	1	10.9	1	1.2	0	0.292	-1	2.747	1	9.418	1	2222	52	2.2
4414.8	10000	38.3745	95.3103	-305	QAL	3.1	0	10.9	1	1.2	0	0.284	-1	2.535	0	9.611	1	2252	38	2.2
4414.7	10000	38.3745	95.3095	-296	QAL	3.0	0	10.9	1	1.2	0	0.264	-1	2.491	0	9.145	1	2275	50	2.2
4414.6	10000	38.3745	95.3087	-287	QAL	3.0	0	10.9	1	1.2	0	0.272	-1	2.255	0	9.505	1	2304	36	2.2
4414.5	10000	38.3745	95.3078	-277	PLP	3.0	0	10.9	1	1.2	0	0.237	-1	2.225	0	9.644	1	2323	50	2.2
4414.4	10000	38.3745	95.3070	-268	PLP	3.0	0	10.9	1	1.2	0	0.224	-1	2.135	0	9.539	1	2357	47	2.2
4414.3	10000	38.3746	95.3062	-259	PLP	3.0	0	10.9	1	1.2	0	0.244	-1	2.301	0	9.422	1	2378	46	2.2
4414.2	10000	38.3746	95.3054	-251	PLP	3.0	0	10.9	1	1.2	0	0.266	-1	2.440	0	9.159	1	2400	57	2.2
4414.1	10000	38.3746	95.3046	-244	PLP	3.0	0	10.9	1	1.2	0	0.277	-1	2.776	0	9.954	1	2408	46	2.2
4414.0	10000	38.3746	95.3037	-237	PLP	3.0	0	10.9	1	1.2	0	0.275	-1	2.874	0	9.539	1	2405	37	2.2
4413.9	10000	38.3746	95.3029	-231	PLP	3.0	0	10.9	1	1.2	0	0.275	-1	2.159	0	8.890	1	2395	45	2.2
4413.8	10000	38.3747	95.3021	-225	PLP	3.0	0	10.9	1	1.2	0	0.275	-1	2.212	0	8.180	1	2407	38	2.2
4413.7	10000	38.3747	95.3013	-220	PLP	3.0	0	10.9	1	1.2	0	0.275	-1	2.227	0	8.227	1	2401	54	2.2
4413.6	10000	38.3747	95.3005	-216	PPD	3.0	0	10.9	1	1.2	0	0.275	-1	2.200	0	8.004	1	2393	47	2.2
4413.5	10000	38.3747	95.2996	-213	PPD	3.0	0	10.9	1	1.2	0	0.275	-1	2.186	0	7.940	1	2383	45	2.2
4413.4	10000	38.3748	95.2988	-210	PPD	3.0	0	10.9	1	1.2	0	0.275	-1	2.165	0	7.866	1	2364	38	2.2
4413.3	10000	38.3748	95.2980	-208	PPD	3.0	0	10.9	1	1.2	0	0.275	-1	2.098	0	7.813	1	2354	54	2.2
4413.2	10000	38.3748	95.2972	-205	PPD	3.0	0	10.9	1	1.2	0	0.275	-1	2.077	0	7.611	1	2366	69	2.2
4413.1	10000	38.3748	95.2964	-203	PPD	3.0	0	10.9	1	1.2	0	0.275	-1	2.055	0	7.527	1	2369	71	2.2
4413.0	10000	38.3748	95.2955	-201	PPD	3.0	0	10.9	1	1.2	0	0.275	-1	2.053	0	7.532	1	2371	77	2.2
4412.9	10000	38.3749	95.2947	-199	PPD	3.0	0	10.9	1	1.2	0	0.275	-1	2.055	0	7.552	1	2377	81	2.2
4412.8	10000	38.3749	95.2939	-197	PPD	3.0	0	10.9	1	1.2	0	0.275	-1	2.055	0	7.552	1	2381	69	2.2
4412.7	10000	38.3749	95.2931	-195	PPD	3.0	0	10.9	1	1.2	0	0.275	-1	2.055	0	7.552	1	2369	57	2.2
4412.6	10000	38.3749	95.2923	-214	PPD	3.0	0	10.9	1	1.2	0	0.275	-1	2.055	0	7.552	1	2357	38	2.2

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4412.5	10000	38.3749	95.2914	-217	PD	3.8	1	10.6	1	1.2	1	0.359	0	3.037	0	8.463	0	2324	54	2.1
4412.4	10000	38.3750	95.2906	-219	PD	3.6	1	10.1	1	1.3	1	0.360	0	2.894	0	8.043	-1	2299	46	2.1
4412.3	10000	38.3750	95.2898	-221	PD	3.9	2	9.9	0	1.2	1	0.398	1	3.171	0	7.971	-1	2291	54	2.1
4412.2	10000	38.3750	95.2890	-224	PD	3.6	1	9.8	0	1.2	1	0.369	1	3.064	0	8.298	0	2256	47	2.1
4412.1	10000	38.3750	95.2882	-227	PD	3.6	1	9.8	0	1.2	1	0.370	1	3.010	0	8.134	-1	2232	35	2.1
4412.0	10000	38.3750	95.2873	-229	PD	3.4	0	9.8	0	1.2	1	0.347	0	2.847	0	8.205	-1	2212	43	2.1
4411.9	10000	38.3751	95.2865	-231	PD	3.5	1	9.8	0	1.1	0	0.357	0	3.062	0	8.585	0	2198	56	2.0
4411.8	10000	38.3751	95.2857	-233	PD	3.8	1	9.6	0	1.2	0	0.399	1	3.265	1	8.192	-1	2184	54	2.0
4411.7	10000	38.3751	95.2849	-236	PD	4.0	2	9.7	0	1.1	0	0.408	1	3.500	1	8.577	0	2173	57	2.0
4411.6	10000	38.3751	95.2841	-242	PD	3.6	1	9.5	0	1.1	0	0.375	1	3.189	0	8.511	0	2132	48	2.0
4411.5	10000	38.3751	95.2832	-248	PD	3.6	1	9.4	0	1.1	0	0.382	1	3.188	0	8.335	0	2125	44	2.0
4411.4	10000	38.3752	95.2824	-254	PD	3.8	1	9.7	0	1.1	0	0.387	1	3.345	1	8.651	0	2098	49	2.0
4411.3	10000	38.3752	95.2816	-261	PD	3.7	1	9.6	0	1.1	0	0.385	1	3.328	1	8.643	0	2088	49	2.0
4411.2	10000	38.3752	95.2808	-267	PD	3.4	1	10.0	0	1.1	0	0.341	0	2.985	0	8.760	0	2067	59	2.0
4411.1	10000	38.3752	95.2800	-273	PD	3.3	0	9.6	0	1.1	0	0.345	0	3.057	0	8.853	0	2055	45	2.0
4411.0	10000	38.3752	95.2791	-277	PD	3.2	0	9.9	0	1.1	0	0.326	0	3.025	0	9.276	0	2046	48	2.0
4410.9	10000	38.3753	95.2783	-282	PD	3.4	0	10.1	0	1.1	0	0.332	0	3.170	0	9.543	0	2056	45	2.0
4410.8	10000	38.3753	95.2775	-287	PD	3.5	1	10.1	0	1.0	0	0.346	0	3.408	1	9.838	1	2052	54	2.0
4410.7	10000	38.3753	95.2767	-292	PD	3.4	1	9.8	0	1.1	0	0.348	0	3.365	1	9.666	0	2061	58	2.0
4410.6	10000	38.3753	95.2758	-297	PD	3.3	0	10.1	0	1.1	0	0.331	0	3.043	0	9.201	0	2077	40	2.0
4410.5	10000	38.3753	95.2750	-301	PD	3.3	0	10.1	0	1.1	0	0.329	0	2.897	0	8.811	0	2112	33	2.0
4410.4	10000	38.3754	95.2742	-305	PD	3.1	0	10.2	0	1.2	0	0.306	0	2.677	0	8.747	0	2136	48	1.9
4410.3	10000	38.3754	95.2734	-309	PD	3.0	0	10.3	0	1.2	0	0.290	-1	2.544	-1	8.766	0	2153	44	1.9
4410.2	10000	38.3754	95.2726	-312	PD	3.1	0	10.5	1	1.2	1	0.296	-1	2.615	-1	8.828	0	2174	51	1.9
4410.1	10000	38.3754	95.2718	-316	PD	3.1	0	10.9	1	1.3	1	0.277	-1	2.463	-1	8.893	0	2208	46	1.9
4410.0	10000	38.3754	95.2709	-320	PD	2.9	-1	11.4	2	1.3	1	0.254	-1	2.318	-1	9.114	0	2229	44	1.9
4409.9	10000	38.3755	95.2701	-324	PD	3.0	0	11.2	1	1.3	1	0.268	-1	2.372	-1	9.090	0	2239	39	1.9
4409.8	10000	38.3755	95.2693	-329	PD	3.1	0	11.1	1	1.3	1	0.279	-1	2.732	-1	9.150	0	2232	49	1.9
4409.7	10000	38.3755	95.2685	-334	PD	3.1	0	11.1	1	1.3	1	0.279	-1	2.664	-1	9.352	0	2235	47	1.9
4409.6	10000	38.3755	95.2677	-339	PD	3.1	0	11.1	1	1.3	1	0.279	-1	2.604	-1	9.272	0	2234	47	1.9
4409.5	10000	38.3755	95.2668	-345	PD	3.1	0	11.1	1	1.3	1	0.279	-1	2.598	-1	9.240	0	2239	47	1.9
4409.4	10000	38.3756	95.2660	-350	PD	3.1	0	11.1	1	1.3	1	0.279	-1	2.579	-1	9.242	0	2242	47	1.9
4409.3	10000	38.3756	95.2652	-356	PD	3.1	0	11.1	1	1.3	1	0.279	-1	2.742	-1	9.259	0	2259	47	1.9
4409.2	10000	38.3756	95.2644	-362	PD	3.1	0	11.1	1	1.3	1	0.279	-1	2.837	-1	9.285	0	2285	47	1.9
4409.1	10000	38.3756	95.2635	-369	PD	3.1	0	11.1	1	1.3	1	0.279	-1	2.861	-1	9.296	0	2296	47	1.9
4409.0	10000	38.3757	95.2627	-376	PD	3.1	0	11.1	1	1.3	1	0.279	-1	2.997	-1	9.314	0	2314	47	1.9
4408.9	10000	38.3757	95.2619	-382	PD	3.1	0	11.1	1	1.3	1	0.279	-1	3.063	-1	9.310	0	2310	47	1.9
4408.8	10000	38.3757	95.2611	-389	PD	3.1	0	11.1	1	1.3	1	0.279	-1	3.076	-1	9.294	0	2294	47	1.9
4408.7	10000	38.3757	95.2603	-396	PD	3.1	0	11.1	1	1.3	1	0.279	-1	3.250	-1	9.255	0	2255	47	1.9
4408.6	10000	38.3757	95.2594	-402	PD	3.1	0	11.1	1	1.3	1	0.279	-1	3.192	-1	9.217	0	2217	47	1.9
4408.5	10000	38.3758	95.2586	-409	PD	3.1	0	11.1	1	1.3	1	0.279	-1	3.276	-1	9.186	0	2186	47	1.9
4408.4	10000	38.3758	95.2578	-416	PD	3.1	0	11.1	1	1.3	1	0.279	-1	3.505	-1	9.157	0	2157	47	1.9
4408.3	10000	38.3758	95.2570	-423	PD	3.1	0	11.1	1	1.3	1	0.279	-1	3.522	-1	9.150	0	2150	47	1.9
4408.2	10000	38.3758	95.2562	-429	PD	3.1	0	11.1	1	1.3	1	0.279	-1	3.550	-1	9.165	0	2165	47	1.9
4408.1	10000	38.3758	95.2553	-435	PD	3.1	0	11.1	1	1.3	1	0.279	-1	3.596	-1	9.208	0	2208	47	1.9
4408.0	10000	38.3759	95.2545	-441	PD	3.1	0	11.1	1	1.3	1	0.279	-1	3.637	-1	9.255	0	2255	47	1.9
4407.9	10000	38.3759	95.2537	-448	PD	3.1	0	11.1	1	1.3	1	0.279	-1	3.677	-1	9.303	0	2303	47	1.9
4407.8	10000	38.3759	95.2529	-454	PD	3.1	0	11.1	1	1.3	1	0.279	-1	3.707	-1	9.345	0	2345	47	1.9
4407.7	10000	38.3759	95.2521	-460	PD	3.1	0	11.1	1	1.3	1	0.279	-1	3.732	-1	9.377	0	2377	47	1.9
4407.6	10000	38.3759	95.2513	-466	PD	3.1	0	11.1	1	1.3	1	0.279	-1	3.752	-1	9.406	0	2406	47	1.9
4407.5	10000	38.3759	95.2504	-472	PD	3.1	0	11.1	1	1.3	1	0.279	-1	3.768	-1	9.429	0	2429	47	1.9
4407.4	10000	38.3760	95.2496	-478	PD	3.1	0	11.1	1	1.3	1	0.279	-1	3.782	-1	9.450	0	2450	47	1.9

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4407.3	10000	38.3760	95.2488	-485	PD	3.9	1	9.1	0	1.1	0	0.425	2	3.430	1	8.065	-1	2139	44	1.8
4407.2	10000	38.3760	95.2480	-491	PD	3.9	2	8.8	-1	1.1	0	0.444	2	3.515	1	7.919	-1	2134	50	1.8
4407.1	10000	38.3760	95.2471	-497	PD	4.2	2	8.9	-1	1.1	0	0.479	2	3.915	2	8.176	-1	2129	47	1.8
4407.0	10000	38.3760	95.2463	-500	PD	4.0	2	8.9	-1	1.1	0	0.453	2	3.649	1	8.054	-1	2122	49	1.8
4406.9	10000	38.3760	95.2455	-502	PD	4.2	2	9.2	0	1.1	0	0.456	2	3.696	1	8.098	-1	2150	55	1.8
4406.8	10000	38.3760	95.2447	-508	PD	4.2	2	9.6	0	1.2	0	0.430	2	3.474	1	8.073	-1	2189	53	1.8
4406.7	10000	38.3760	95.2439	-516	PD	4.0	2	10.0	0	1.3	0	0.401	2	3.172	1	7.915	-1	2239	49	1.8
4406.6	10000	38.3760	95.2430	-523	PD	4.0	2	10.5	1	1.3	1	0.382	2	3.012	1	7.880	-1	2269	45	1.8
4406.5	10000	38.3760	95.2422	-529	PD	4.0	2	11.1	1	1.4	1	0.361	2	2.847	0	7.887	-1	2305	60	1.8
4406.4	10000	38.3760	95.2414	-535	PD	3.9	2	11.0	1	1.5	1	0.356	2	2.691	0	7.553	-1	2321	53	1.8
4406.3	10000	38.3760	95.2406	-539	PD	4.2	2	11.1	1	1.5	1	0.377	2	2.878	0	7.643	-1	2345	41	1.8
4406.2	10000	38.3760	95.2398	-543	PD	4.1	2	11.1	1	1.4	1	0.372	2	2.850	0	7.658	-1	2349	41	1.8
4406.1	10000	38.3760	95.2390	-547	PD	4.1	2	10.9	1	1.4	1	0.376	2	2.943	0	7.836	-1	2347	48	1.8
4406.0	10000	38.3760	95.2381	-551	PD	4.2	2	10.8	1	1.4	1	0.392	2	3.059	0	7.795	-1	2341	53	1.8
4405.9	10000	38.3760	95.2373	-554	PD	4.4	2	10.7	1	1.3	1	0.408	2	3.396	1	8.314	0	2336	42	1.8
4405.8	10000	38.3759	95.2365	-556	PD	4.4	2	10.5	1	1.2	1	0.421	2	3.601	1	8.560	0	2324	39	1.8
4405.7	10000	38.3760	95.2357	-558	PD	4.6	2	10.2	1	1.2	1	0.445	2	3.791	1	8.517	0	2318	49	1.8
4405.6	10000	38.3759	95.2348	-560	PLP	4.3	2	9.9	1	1.1	1	0.446	2	3.801	1	8.525	0	2253	43	1.8
4405.5	10000	38.3759	95.2340	-561	PLP	4.2	2	9.8	0	1.0	1	0.441	2	3.783	1	8.585	0	2194	57	1.8
4405.4	10000	38.3759	95.2332	-562	PLP	4.2	2	9.8	0	1.0	1	0.453	2	4.014	2	8.858	0	2146	61	1.8
4405.3	10000	38.3759	95.2324	-562	PLP	4.0	2	9.8	0	1.0	1	0.454	2	4.040	2	8.897	0	2082	47	1.8
4405.2	10000	38.3759	95.2316	-563	PLP	4.1	2	9.8	0	1.0	1	0.431	2	3.837	2	8.914	0	2039	44	1.8
4405.1	10000	38.3759	95.2308	-563	PLP	4.1	2	9.8	0	1.0	1	0.444	2	3.971	2	8.945	0	1985	55	1.8
4405.0	10000	38.3759	95.2299	-561	PLP	4.1	2	9.8	0	1.0	1	0.435	2	3.849	2	8.847	0	1943	59	1.8
4404.9	10000	38.3759	95.2291	-560	PLP	4.1	2	9.8	0	1.0	1	0.410	2	3.601	2	8.787	0	1946	37	1.8
4404.8	10000	38.3759	95.2283	-558	PLP	4.1	2	9.8	0	1.0	1	0.410	2	3.616	2	8.825	0	1965	39	1.8
4404.7	10000	38.3759	95.2275	-555	PLP	4.1	2	9.8	0	1.0	1	0.399	2	3.602	2	9.030	0	1984	46	1.8
4404.6	10000	38.3759	95.2267	-553	PLP	4.1	2	9.8	0	1.0	1	0.397	2	3.557	2	8.963	0	2022	53	1.8
4404.5	10000	38.3759	95.2258	-550	PLP	4.1	2	9.8	0	1.0	1	0.396	2	3.556	2	8.485	0	2061	59	1.8
4404.4	10000	38.3759	95.2250	-548	PLP	4.1	2	9.8	0	1.0	1	0.384	2	3.100	2	8.063	0	2106	52	1.8
4404.3	10000	38.3759	95.2242	-545	PLP	4.1	2	9.8	0	1.0	1	0.341	2	2.927	1	8.575	0	2167	51	1.8
4404.2	10000	38.3759	95.2234	-542	PLP	4.1	2	9.8	0	1.0	1	0.360	2	3.083	1	8.569	0	2221	56	1.8
4404.1	10000	38.3759	95.2226	-539	PLP	4.1	2	9.8	0	1.0	1	0.355	2	3.087	1	8.709	0	2255	53	1.8
4404.0	10000	38.3759	95.2217	-537	PLP	4.1	2	9.8	0	1.0	1	0.346	2	3.048	1	8.818	0	2285	44	1.8
4403.9	10000	38.3759	95.2209	-534	PLP	4.1	2	9.8	0	1.0	1	0.359	2	3.239	1	9.031	0	2305	46	1.8
4403.8	10000	38.3759	95.2201	-531	PLP	4.1	2	9.8	0	1.0	1	0.337	2	3.240	1	9.616	0	2337	55	1.8
4403.7	10000	38.3759	95.2193	-528	PLP	4.1	2	9.8	0	1.0	1	0.324	2	3.159	1	9.744	0	2359	49	1.8
4403.6	10000	38.3759	95.2185	-526	PLP	4.1	2	9.8	0	1.0	1	0.347	2	3.160	1	9.107	0	2362	44	1.8
4403.5	10000	38.3758	95.2177	-523	PLP	4.1	2	9.8	0	1.0	1	0.348	2	3.226	1	9.262	0	2346	59	1.8
4403.4	10000	38.3758	95.2168	-521	PLP	4.1	2	9.8	0	1.0	1	0.362	2	3.315	1	9.169	0	2328	45	1.8
4403.3	10000	38.3758	95.2160	-519	PLP	4.1	2	9.8	0	1.0	1	0.373	2	3.423	1	9.173	0	2307	43	1.8
4403.2	10000	38.3758	95.2152	-517	PLP	4.1	2	9.8	0	1.0	1	0.368	2	3.272	1	8.894	0	2292	52	1.8
4403.1	10000	38.3758	95.2144	-515	PLP	4.1	2	9.8	0	1.0	1	0.397	2	3.356	1	8.459	0	2251	29	1.8
4403.0	10000	38.3758	95.2135	-513	PKC	4.1	2	9.8	0	1.0	1	0.416	2	3.446	1	8.276	0	2233	33	1.8
4402.9	10000	38.3758	95.2127	-511	PKC	4.1	2	9.8	0	1.0	1	0.421	2	3.668	2	8.720	0	2195	38	1.8
4402.8	10000	38.3758	95.2119	-510	PKC	4.1	2	9.8	0	1.0	1	0.372	2	3.214	2	8.651	0	2189	35	1.8
4402.7	10000	38.3758	95.2111	-509	PKC	4.1	2	9.8	0	1.0	1	0.346	2	2.979	2	8.606	0	2181	53	1.8
4402.6	10000	38.3758	95.2103	-508	PKC	4.1	2	9.8	0	1.0	1	0.378	2	3.256	2	8.688	0	2174	33	1.8
4402.5	10000	38.3758	95.2095	-507	PKC	4.1	2	9.8	0	1.0	1	0.356	2	3.098	2	8.697	0	2176	53	1.8
4402.4	10000	38.3758	95.2086	-506	PKC	4.1	2	9.8	0	1.0	1	0.373	2	3.244	2	8.707	0	2176	36	1.8
4402.3	10000	38.3758	95.2078	-505	PKC	4.1	2	9.8	0	1.0	1	0.382	2	3.327	2	8.807	0	2156	30	1.8
4402.2	10000	38.3758	95.2070	-505	PKC	4.1	2	9.8	0	1.0	1	0.351	2	3.098	2	8.830	0	2139	40	1.8

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
4402.1	10000	38.3758	95.2062	-506	PKC	3.9	1	9.5	0	1.1	0	0.411	1	3.552	1	8.653	0	2119	49	1.9
4402.0	10000	38.3758	95.2054	-506	PKC	4.1	1	9.5	0	1.1	0	0.427	1	3.836	1	8.974	0	2113	37	1.9
4401.9	10000	38.3758	95.2045	-507	QAL	3.6	1	9.8	0	1.0	-1	0.368	0	3.564	2	9.682	1	2090	56	1.9
4401.8	10000	38.3758	95.2037	-507	QAL	3.9	2	9.7	0	1.0	-1	0.409	1	3.950	2	9.669	1	2072	37	1.9
4401.7	10000	38.3758	95.2029	-509	QAL	3.8	1	9.5	0	0.9	-1	0.402	1	4.167	2	10.376	2	2040	42	1.9
4401.6	10000	38.3758	95.2021	-510	QAL	3.6	1	9.4	0	0.9	-1	0.379	1	3.896	2	10.278	2	2012	57	1.9
4401.5	10000	38.3758	95.2013	-512	QAL	3.6	1	9.3	0	0.9	-1	0.392	1	3.941	2	10.065	2	1993	54	1.9
4401.4	10000	38.3758	95.2004	-513	QAL	3.5	1	9.4	0	0.9	-1	0.366	1	3.950	2	10.785	2	1967	46	1.9
4401.3	10000	38.3758	95.1996	-514	QAL	3.2	1	9.1	0	0.9	-1	0.350	1	3.432	1	9.815	1	1942	53	1.9
4401.2	10000	38.3758	95.1988	-516	QAL	3.3	1	9.0	0	0.9	-1	0.372	1	3.538	2	9.504	1	1938	41	1.9
4401.1	10000	38.3757	95.1980	-518	QAL	3.0	1	8.8	0	1.0	-1	0.344	1	3.011	2	8.760	1	1930	47	1.9
4401.0	10000	38.3757	95.1972	-519	PKC	3.1	1	8.4	-1	1.0	-1	0.365	1	3.016	1	8.273	0	1936	47	1.9
4400.9	10000	38.3757	95.1963	-520	PKC	3.3	1	8.6	-1	1.0	-1	0.383	1	3.173	1	8.275	0	1962	43	1.9
4400.8	10000	38.3757	95.1955	-522	PKC	3.6	1	8.7	-1	1.1	0	0.414	1	3.407	1	8.222	0	2005	46	1.9
4400.7	10000	38.3757	95.1947	-523	PKC	3.6	1	8.7	-1	1.1	0	0.414	1	3.232	1	7.799	0	2066	38	1.9
4400.6	10000	38.3757	95.1939	-524	PKC	3.9	1	9.2	0	1.2	0	0.419	1	3.290	1	7.846	0	2141	47	1.9
4400.5	10000	38.3757	95.1931	-526	PKC	4.0	1	9.4	0	1.2	1	0.430	1	3.276	1	7.620	-1	2209	54	1.9
4400.4	10000	38.3757	95.1922	-527	PKC	4.4	2	9.9	0	1.3	1	0.442	1	3.408	1	7.711	0	2306	35	1.9
4400.3	10000	38.3757	95.1914	-529	PKC	4.4	2	10.6	1	1.4	2	0.419	1	3.145	0	7.509	-1	2388	52	1.9
4400.2	10000	38.3757	95.1906	-531	PKC	4.4	2	10.4	1	1.5	2	0.421	1	2.951	0	7.007	-1	2460	33	1.9
4400.1	10000	38.3757	95.1898	-533	PKC	4.4	2	10.7	1	1.5	2	0.409	1	2.960	0	7.231	-1	2514	36	1.9
4400.0	10000	38.3757	95.1890	-536	PKC	4.5	2	10.7	1	1.5	2	0.421	1	2.935	0	6.979	-1	2529	50	1.9
4399.9	10000	38.3757	95.1881	-538	PKC	4.5	2	11.1	1	1.6	3	0.402	1	2.832	0	7.050	-1	2550	47	1.9
4399.8	10000	38.3757	95.1873	-541	PKC	4.3	2	11.1	1	1.6	3	0.390	1	2.721	0	6.973	-1	2560	57	1.9
4399.7	10000	38.3757	95.1865	-544	PKC	4.2	2	11.0	1	1.6	3	0.380	1	2.599	-1	6.837	-1	2538	32	1.9
4399.6	10000	38.3757	95.1857	-547	PKC	4.2	2	10.9	1	1.6	3	0.390	1	2.679	0	6.870	-1	2550	49	1.9
4399.5	10000	38.3757	95.1849	-549	PKC	4.2	2	11.9	1	1.6	3	0.350	0	2.583	-1	7.376	-1	2542	43	1.9
4399.4	10000	38.3757	95.1841	-552	PKC	4.0	2	11.8	1	1.6	3	0.341	0	2.464	-1	7.231	-1	2528	49	1.9
4399.3	10000	38.3757	95.1832	-555	PKC	4.2	2	11.7	1	1.6	3	0.358	0	2.617	-1	7.308	-1	2531	40	1.9
4399.2	10000	38.3757	95.1824	-558	PKC	4.2	2	11.6	1	1.6	3	0.365	0	2.723	-1	7.464	-1	2523	43	1.9
4399.1	10000	38.3757	95.1816	-560	PKC	4.2	2	11.5	1	1.6	3	0.341	0	2.536	-1	7.433	-1	2503	53	1.9
4399.0	10000	38.3757	95.1808	-562	PKC	4.2	2	11.4	1	1.6	3	0.338	0	2.607	-1	7.714	-1	2476	41	1.9
4398.9	10000	38.3756	95.1799	-564	PKC	4.2	2	11.3	1	1.6	3	0.321	0	2.546	-1	7.924	0	2417	42	1.9
4398.8	10000	38.3756	95.1791	-565	PKC	4.2	2	11.2	1	1.6	3	0.351	0	2.725	-1	7.775	-1	2377	41	1.9
4398.7	10000	38.3756	95.1783	-566	PKC	4.2	2	11.1	1	1.6	3	0.362	0	2.785	-1	7.705	-1	2289	61	1.9
4398.6	10000	38.3756	95.1775	-567	PKC	4.2	2	11.0	1	1.6	3	0.368	0	2.915	-1	7.915	-1	2243	43	1.9
4398.5	10000	38.3756	95.1767	-568	PKC	4.2	2	10.9	1	1.6	3	0.388	0	3.095	-1	7.978	-1	2160	45	1.9
4398.4	10000	38.3756	95.1759	-569	PKC	4.2	2	10.8	1	1.6	3	0.431	0	3.579	-1	7.306	-1	2119	46	1.9
4398.3	10000	38.3756	95.1750	-571	PKC	4.2	2	10.7	1	1.6	3	0.466	0	3.995	-1	7.574	-1	2055	52	1.9
4398.2	10000	38.3756	95.1742	-573	PKC	4.2	2	10.6	1	1.6	3	0.493	0	4.109	-1	7.337	-1	2003	34	1.9
4398.1	10000	38.3756	95.1734	-575	PKC	4.2	2	10.5	1	1.6	3	0.471	0	4.029	-1	7.557	-1	1933	62	1.9
4398.0	10000	38.3756	95.1726	-576	PKC	4.2	2	10.4	1	1.6	3	0.459	0	4.002	-1	7.714	-1	1925	68	1.9
4397.9	10000	38.3756	95.1718	-578	PKC	4.2	2	10.3	1	1.6	3	0.439	0	3.862	-1	7.254	-1	1889	54	1.9
4397.8	10000	38.3756	95.1709	-580	PKC	4.2	2	10.2	1	1.6	3	0.441	0	3.878	-1	7.352	-1	1876	52	1.9
4397.7	10000	38.3756	95.1701	-583	PKC	4.2	2	10.1	1	1.6	3	0.423	0	3.733	-1	7.568	-1	1883	45	1.9
4397.6	10000	38.3756	95.1693	-586	PKC	4.2	2	10.0	1	1.6	3	0.423	0	3.733	-1	7.727	-1	1882	59	1.9
4397.5	10000	38.3756	95.1685	-590	PKC	4.2	2	9.9	1	1.6	3	0.423	0	3.733	-1	7.453	-1	1884	33	1.9
4397.4	10000	38.3756	95.1677	-593	PKC	4.2	2	9.8	1	1.6	3	0.423	0	3.733	-1	7.288	-1	1884	45	1.9
4397.3	10000	38.3756	95.1668	-597	QAL	4.2	2	9.8	1	1.6	3	0.423	0	3.733	-1	7.543	-1	1886	59	1.9
4397.2	10000	38.3756	95.1660	-601	QAL	4.2	2	9.8	1	1.6	3	0.423	0	3.733	-1	7.668	-1	1884	37	1.9
4397.1	10000	38.3756	95.1652	-606	QAL	4.2	2	9.8	1	1.6	3	0.423	0	3.733	-1	7.587	-1	1886	52	1.9
4397.0	10000	38.3756	95.1644	-610	QAL	4.2	2	9.8	1	1.6	3	0.423	0	3.733	-1	7.904	-1	1894	52	1.9

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4396.9	10000	38.3756	95.1636	-614	QAL	2.7	-1	9.1	0	1.0	-1	0.296	-1	2.574	0	8.696	1	1923	38	2.0
4396.8	10000	38.3755	95.1628	-618	QAL	2.7	-1	8.9	0	1.1	-1	0.298	-1	2.494	0	8.362	1	1945	40	2.0
4396.7	10000	38.3755	95.1619	-621	QAL	2.9	0	8.8	0	1.1	-1	0.330	0	2.665	0	8.084	0	1963	35	2.0
4396.6	10000	38.3755	95.1611	-624	QAL	2.6	-1	8.3	-1	1.1	-1	0.314	0	2.372	0	7.547	0	1960	44	2.0
4396.5	10000	38.3755	95.1603	-628	QAL	2.8	-1	8.4	-1	1.2	0	0.329	0	2.385	0	7.238	0	1977	49	2.0
4396.4	10000	38.3755	95.1595	-630	QAL	2.7	-1	8.1	-1	1.2	0	0.329	0	2.311	0	7.025	0	1978	32	2.0
4396.3	10000	38.3755	95.1586	-633	QAL	2.8	-1	8.2	-1	1.1	-1	0.344	0	2.534	0	7.374	0	1981	38	2.0
4396.2	10000	38.3755	95.1578	-635	QAL	3.1	-1	8.1	-1	1.0	-1	0.381	0	2.962	0	7.779	0	1980	42	2.0
4396.1	10000	38.3755	95.1570	-637	QAL	3.0	-1	8.1	-1	1.0	-1	0.368	0	2.960	0	8.042	0	1964	32	2.0
4396.0	10000	38.3755	95.1562	-639	QAL	2.8	-1	8.5	-1	1.0	-1	0.325	0	2.783	0	8.561	1	1938	45	2.0
4395.9	10000	38.3755	95.1554	-641	QAL	3.0	0	8.9	0	1.0	-1	0.341	0	3.090	0	9.054	1	1949	55	2.0
4395.8	10000	38.3755	95.1546	-643	QAL	3.0	0	8.8	0	0.9	-1	0.342	0	3.194	0	9.348	1	1935	42	2.0
4395.7	10000	38.3755	95.1537	-645	QAL	3.1	0	9.3	0	0.9	-1	0.330	0	3.436	1	10.421	2	1911	52	2.0
4395.6	10000	38.3755	95.1529	-646	QAL	3.3	0	9.3	0	0.9	-2	0.360	0	3.868	1	10.733	2	1876	52	2.0
4395.5	10000	38.3755	95.1521	-648	QAL	3.1	0	9.3	0	0.8	-2	0.334	0	3.810	1	11.397	3	1859	47	2.0
4395.4	10000	38.3755	95.1513	-649	QAL	3.2	0	9.5	0	0.8	-2	0.336	0	3.902	1	11.613	3	1851	48	2.0
4395.3	10000	38.3755	95.1505	-651	QAL	3.2	0	9.2	0	0.8	-2	0.353	0	3.863	1	10.940	2	1858	39	2.0
4395.2	10000	38.3755	95.1496	-652	QAL	3.2	0	8.8	0	0.8	-2	0.360	0	3.780	1	10.497	2	1848	51	2.0
4395.1	10000	38.3755	95.1488	-654	QAL	3.2	0	8.5	-1	0.9	-1	0.373	1	3.489	1	9.342	1	1833	49	2.0
4395.0	10000	38.3755	95.1480	-655	QAL	3.2	0	8.1	-1	1.0	-1	0.390	1	3.238	1	8.312	0	1832	36	2.0
4394.9	10000	38.3755	95.1472	-657	QAL	3.0	0	8.0	-1	1.0	-1	0.369	1	2.889	1	7.827	0	1849	51	2.0
4394.8	10000	38.3755	95.1463	-658	QAL	2.9	0	7.9	-1	1.1	-1	0.362	0	2.848	1	7.871	0	1859	49	2.0
4394.7	10000	38.3755	95.1455	-660	QAL	3.2	0	7.9	-1	1.1	-1	0.409	1	3.024	1	7.389	0	1865	41	2.0
4394.6	10000	38.3754	95.1447	-662	QAL	3.3	0	7.6	-1	1.1	-1	0.437	2	3.111	1	7.123	0	1858	41	2.0
4394.5	10000	38.3755	95.1439	-664	QAL	3.1	0	7.7	-1	1.1	-1	0.411	1	3.033	1	7.376	0	1842	32	2.0
4394.4	10000	38.3754	95.1431	-666	QAL	3.2	0	7.8	-1	1.1	-1	0.403	1	3.192	1	7.911	0	1847	51	2.0
4394.3	10000	38.3754	95.1423	-667	QAL	3.2	0	7.9	-1	1.1	-1	0.393	1	3.186	1	8.108	0	1844	61	2.0
4394.2	10000	38.3754	95.1414	-669	QAL	3.1	0	8.1	-1	1.1	-1	0.380	1	3.113	1	8.198	0	1855	40	2.0
4394.1	10000	38.3754	95.1406	-671	QAL	3.4	0	7.8	-1	1.1	-1	0.436	1	3.400	1	7.800	0	1849	46	2.0
4394.0	10000	38.3754	95.1398	-672	QAL	3.2	0	7.8	-1	1.1	-1	0.411	1	3.250	1	7.917	0	1853	51	2.0
4393.9	10000	38.3754	95.1390	-674	QAL	3.1	0	8.0	-1	1.1	-1	0.379	1	3.105	1	8.188	0	1850	34	2.0
4393.8	10000	38.3754	95.1382	-675	QAL	3.2	0	8.0	-1	1.1	-1	0.385	1	3.189	1	8.280	0	1862	37	2.0
4393.7	10000	38.3754	95.1373	-675	QAL	3.2	0	8.3	-1	1.1	-1	0.401	1	3.240	1	8.087	0	1871	42	2.0
4393.6	10000	38.3754	95.1365	-676	QAL	3.1	0	8.4	-1	1.1	-1	0.399	1	3.372	1	8.458	0	1873	38	2.0
4393.5	10000	38.3754	95.1356	-676	QAL	3.2	0	8.2	-1	1.1	-1	0.396	1	3.405	1	8.602	0	1854	40	2.0
4393.4	10000	38.3754	95.1347	-677	QAL	3.2	0	8.3	-1	1.1	-1	0.348	1	3.015	1	8.677	0	1850	53	2.0
4393.3	10000	38.3754	95.1339	-676	QAL	3.0	0	8.0	-1	1.1	-1	0.338	1	2.934	1	8.684	0	1826	45	2.0
4393.2	10000	38.3754	95.1330	-677	QAL	3.0	0	8.0	-1	1.1	-1	0.346	1	3.047	1	8.813	0	1816	37	2.0
4393.1	10000	38.3754	95.1321	-677	QAL	3.1	0	8.0	-1	1.1	-1	0.382	1	3.401	1	8.893	0	1819	40	2.0
4393.0	10000	38.3754	95.1312	-677	QAL	3.2	0	7.7	-1	1.1	-2	0.377	1	3.484	1	9.250	0	1800	56	2.0
4392.9	10000	38.3754	95.1304	-676	QAL	3.0	0	7.8	-1	1.1	-1	0.424	1	3.670	1	8.656	0	1794	48	2.0
4392.8	10000	38.3754	95.1295	-675	QAL	3.2	0	7.7	-1	1.1	-1	0.436	1	3.684	1	8.440	0	1805	54	2.0
4392.7	10000	38.3754	95.1286	-673	QAL	3.2	0	7.8	-1	1.1	-1	0.451	1	3.651	1	8.096	0	1816	59	2.0
4392.6	10000	38.3754	95.1278	-671	QAL	3.2	0	7.9	-1	1.1	-1	0.429	1	3.411	1	7.942	0	1831	53	2.0
4392.5	10000	38.3754	95.1269	-669	QAL	3.2	0	8.0	-1	1.1	-1	0.403	1	3.152	1	7.815	0	1863	64	2.0
4392.4	10000	38.3754	95.1260	-668	QAL	3.2	0	7.8	-1	1.1	-1	0.399	1	3.018	1	7.570	0	1853	50	2.0
4392.3	10000	38.3754	95.1251	-666	QAL	3.2	0	8.0	-1	1.1	-1	0.376	1	2.821	1	7.511	0	1859	46	2.0
4392.2	10000	38.3754	95.1243	-664	QAL	3.2	0	7.6	-1	1.1	-1	0.334	1	2.611	1	7.811	0	1845	26	2.0
4392.1	10000	38.3754	95.1234	-662	QAL	3.2	0	7.5	-1	1.1	-1	0.339	1	2.578	1	7.803	0	1814	55	2.0
4392.0	10000	38.3754	95.1225	-660	QAL	3.2	0	7.4	-1	1.1	-1	0.368	1	2.679	1	7.903	0	1765	42	2.0
4391.9	10000	38.3754	95.1217	-658	QAL	3.2	0	7.1	-2	1.1	-1	0.435	1	2.906	1	7.905	0	1725	60	2.0
4391.8	10000	38.3754	95.1208	-655	QAL	2.9	-1	6.6	-2	0.8	-2	0.433	1	3.417	1	7.882	0	1698	47	2.0

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4391.7	10000	38.3753	95.1199	-653	QAL	2.9	0	7.0	-2	0.8	-2	0.410	1	3.[illegible]	1	8.340	0	1714	50	2.0
4391.6	10000	38.3753	95.1190	-651	QAL	3.1	0	7.3	-2	0.8	-2	0.420	1	3.707	2	8.817	1	1726	43	2.0
4391.5	10000	38.3753	95.1182	-647	QAL	3.1	0	7.7	-1	0.8	-2	0.409	1	3.935	2	9.611	1	1747	39	2.0
4391.4	10000	38.3753	95.1173	-643	QAL	3.3	0	8.3	-1	0.8	-2	0.395	1	4.050	2	10.264	2	1791	29	2.0
4391.3	10000	38.3753	95.1164	-639	QAL	3.4	1	8.7	0	0.8	-2	0.383	1	4.007	2	10.451	2	1850	51	2.0
4391.2	10000	38.3753	95.1156	-636	QAL	3.3	0	9.1	0	0.9	-1	0.361	0	3.696	2	10.247	2	1903	47	2.0
4391.1	10000	38.3753	95.1147	-634	QAL	3.0	0	9.8	0	0.9	-1	0.310	0	3.260	1	10.517	2	1926	50	2.0
4391.0	10000	38.3753	95.1138	-633	QAL	2.7	-1	9.7	0	0.9	-1	0.283	-1	2.897	1	10.232	2	1936	40	2.0
4390.9	10000	38.3753	95.1129	-631	QAL	2.6	-1	9.5	0	1.0	-1	0.273	-1	2.570	1	9.418	1	1969	57	2.0
4390.8	10000	38.3753	95.1121	-630	PKC	2.6	-1	9.4	0	1.1	0	0.279	-1	2.362	-1	8.462	0	2010	42	2.0
4390.7	10000	38.3753	95.1112	-628	PKC	2.5	-1	9.1	0	1.1	0	0.273	-1	2.197	-1	8.063	0	2033	47	2.0
4390.6	10000	38.3753	95.1103	-626	PKC	2.4	-2	9.5	0	1.2	0	0.256	-1	2.068	-1	8.071	0	2071	49	2.0
4390.5	10000	38.3753	95.1095	-624	PKC	2.6	-1	9.7	0	1.2	0	0.264	-1	2.168	-1	8.215	0	2100	50	2.0
4390.4	10000	38.3753	95.1086	-623	PKC	2.8	-1	9.6	0	1.1	0	0.289	-1	2.425	-1	8.393	0	2150	33	2.0
4390.3	10000	38.3753	95.1077	-623	PKC	3.3	0	9.8	0	1.1	0	0.336	0	2.880	0	8.581	0	2187	48	2.0
4390.2	10000	38.3753	95.1068	-622	PKC	3.4	1	10.0	0	1.1	0	0.341	0	3.006	0	8.804	0	2204	35	2.0
4390.1	10000	38.3753	95.1060	-623	PKC	3.5	0	9.6	0	1.1	0	0.363	0	3.198	0	8.809	0	2189	49	2.0
4390.0	10000	38.3753	95.1051	-622	PKC	3.4	0	9.7	0	1.1	0	0.355	0	3.268	0	9.206	1	2161	48	2.0
4389.9	10000	38.3753	95.1042	-622	PKC	3.4	0	9.4	0	1.1	0	0.367	0	3.436	1	9.367	1	2104	51	2.0
4389.8	10000	38.3753	95.1033	-622	PKC	3.5	0	9.6	0	1.1	0	0.395	0	3.669	1	9.287	1	2058	44	2.0
4389.7	10000	38.3753	95.1025	-621	PKC	3.3	0	8.8	-1	1.1	0	0.391	0	3.335	1	8.533	0	2003	38	2.0
4389.6	10000	38.3753	95.1016	-622	PKC	2.9	-1	8.4	-1	1.1	0	0.349	0	2.790	0	7.999	0	1968	42	2.0
4389.5	10000	38.3753	95.1007	-623	PKC	2.8	-1	8.5	-1	1.1	0	0.332	0	2.688	0	8.094	0	1956	51	2.0
4389.4	10000	38.3753	95.0999	-624	PKC	2.7	-1	8.4	-1	1.1	0	0.319	-1	2.477	-1	7.767	0	1964	42	2.0
4389.3	10000	38.3753	95.0990	-625	PKC	2.8	-1	8.4	-1	1.2	0	0.334	0	2.486	-1	7.440	-1	2006	55	2.0
4389.2	10000	38.3753	95.0981	-625	PKC	3.0	-1	8.7	-1	1.2	0	0.346	0	2.484	-1	7.180	-1	2059	53	2.0
4389.1	10000	38.3752	95.0973	-626	PKC	2.9	-1	9.1	0	1.2	0	0.316	-1	2.409	-1	7.614	-1	2106	41	2.0
4389.0	10000	38.3752	95.0964	-628	PKC	3.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.509	[illegible]	[illegible]	[illegible]	2152	37	2.0
4388.9	10000	38.3752	95.0955	-631	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.947	[illegible]	[illegible]	[illegible]	2181	44	2.0
4388.8	10000	38.3752	95.0946	-633	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.298	[illegible]	[illegible]	[illegible]	2188	52	2.0
4388.7	10000	38.3752	95.0938	-634	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.348	[illegible]	[illegible]	[illegible]	2226	53	2.0
4388.6	10000	38.3752	95.0929	-636	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.296	[illegible]	[illegible]	[illegible]	2236	53	2.0
4388.5	10000	38.3752	95.0920	-640	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.339	[illegible]	[illegible]	[illegible]	2239	41	2.0
4388.4	10000	38.3752	95.0912	-644	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.223	[illegible]	[illegible]	[illegible]	2246	60	2.0
4388.3	10000	38.3752	95.0903	-646	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.326	[illegible]	[illegible]	[illegible]	2238	41	2.0
4388.2	10000	38.3752	95.0894	-649	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.808	[illegible]	[illegible]	[illegible]	2232	49	2.0
4388.1	10000	38.3752	95.0885	-652	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.499	[illegible]	[illegible]	[illegible]	2214	44	2.0
4388.0	10000	38.3752	95.0877	-655	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.522	[illegible]	[illegible]	[illegible]	2162	51	2.0
4387.9	10000	38.3752	95.0868	-657	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.822	[illegible]	[illegible]	[illegible]	2116	41	2.0
4387.8	10000	38.3752	95.0859	-660	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.642	[illegible]	[illegible]	[illegible]	2074	42	2.0
4387.7	10000	38.3752	95.0851	-662	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.762	[illegible]	[illegible]	[illegible]	2025	46	2.0
4387.6	10000	38.3752	95.0842	-663	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.656	[illegible]	[illegible]	[illegible]	1983	45	2.0
4387.5	10000	38.3752	95.0833	-665	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.557	[illegible]	[illegible]	[illegible]	1953	42	2.0
4387.4	10000	38.3752	95.0824	-667	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.407	[illegible]	[illegible]	[illegible]	1937	44	2.0
4387.3	10000	38.3752	95.0816	-669	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.195	[illegible]	[illegible]	[illegible]	1933	47	2.0
4387.2	10000	38.3752	95.0807	-671	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.025	[illegible]	[illegible]	[illegible]	1957	44	2.0
4387.1	10000	38.3752	95.0798	-673	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.925	[illegible]	[illegible]	[illegible]	1994	47	2.0
4387.0	10000	38.3752	95.0789	-675	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.925	[illegible]	[illegible]	[illegible]	2054	38	2.0
4386.9	10000	38.3752	95.0781	-676	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.925	[illegible]	[illegible]	[illegible]	2091	34	2.0
4386.8	10000	38.3751	95.0772	-677	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.925	[illegible]	[illegible]	[illegible]	2122	33	2.0
4386.7	10000	38.3751	95.0763	-678	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.925	[illegible]	[illegible]	[illegible]	2153	37	2.0
4386.6	10000	38.3751	95.0755	-679	PKC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.925	[illegible]	[illegible]	[illegible]	2179	33	2.0

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
4386.5	10000	38.3751	95.0746	-679	PKC	3.5	0	11.0	1	1.2	1	0.316	-1	2.802	0	8.865	0	2258	40	2.0
4386.4	10000	38.3751	95.0737	-679	PKC	3.8	1	10.6	1	1.3	1	0.360	0	3.013	0	8.371	0	2240	48	2.0
4386.3	10000	38.3751	95.0728	-679	PKC	3.5	1	10.0	1	1.2	1	0.352	0	2.845	0	8.071	0	2207	34	2.0
4386.2	10000	38.3751	95.0720	-679	PKC	3.3	0	9.8	1	1.2	0	0.342	0	2.750	0	8.045	0	2165	33	2.0
4386.1	10000	38.3751	95.0711	-677	PKC	3.2	0	9.3	0	1.1	0	0.348	0	2.865	0	8.234	0	2124	49	2.0
4386.0	10000	38.3751	95.0702	-675	PKC	3.5	0	9.1	0	1.1	0	0.387	0	3.193	0	8.260	0	2106	58	2.0
4385.9	10000	38.3751	95.0694	-674	PKC	3.4	0	8.8	0	1.1	0	0.385	0	3.130	0	8.128	0	2077	43	2.0
4385.8	10000	38.3751	95.0685	-672	PKC	3.6	1	8.7	-1	1.0	0	0.418	1	3.467	1	8.289	0	2061	43	2.0
4385.7	10000	38.3751	95.0676	-670	PKC	3.3	0	8.9	0	1.0	-1	0.374	0	3.422	1	9.143	1	2020	50	2.0
4385.6	10000	38.3751	95.0668	-667	PKC	3.5	0	9.0	0	0.9	-1	0.391	0	3.868	1	9.902	1	1996	47	2.0
4385.5	10000	38.3751	95.0659	-664	PKC	3.2	0	8.9	0	0.9	-1	0.353	0	3.605	1	10.202	1	1958	45	2.0
4385.4	10000	38.3751	95.0650	-661	PKC	3.4	0	8.9	0	0.9	-2	0.384	0	3.955	1	10.297	2	1942	47	2.0
4385.3	10000	38.3751	95.0641	-658	PKC	3.2	0	8.3	-1	0.8	-2	0.387	0	3.845	1	9.934	1	1930	46	2.0
4385.2	10000	38.3751	95.0633	-655	PKC	3.3	0	8.4	-1	0.9	-1	0.398	0	3.772	1	9.485	1	1935	52	2.0
4385.1	10000	38.3751	95.0624	-653	PKC	3.3	0	9.0	0	0.9	-1	0.366	0	3.606	1	9.856	1	1958	27	2.0
4385.0	10000	38.3751	95.0615	-651	PKC	3.5	0	9.0	0	0.9	-1	0.390	0	3.842	1	9.841	1	1995	45	2.0
4384.9	10000	38.3751	95.0607	-649	PKC	3.3	0	9.4	0	1.0	-1	0.345	0	3.335	1	9.675	1	2031	45	2.0
4384.8	10000	38.3751	95.0598	-647	PKC	3.6	1	10.0	1	1.1	0	0.360	1	3.374	1	9.370	1	2077	43	2.0
4384.7	10000	38.3751	95.0589	-645	PKC	3.4	1	10.2	1	1.1	0	0.329	0	3.004	1	9.140	1	2110	45	2.0
4384.6	10000	38.3751	95.0580	-642	PKC	3.4	1	10.5	1	1.2	0	0.323	0	2.827	0	8.758	0	2149	47	2.0
4384.5	10000	38.3751	95.0572	-639	PLP	3.3	1	10.8	1	1.2	0	0.311	0	2.861	0	9.207	1	2167	31	2.0
4384.4	10000	38.3751	95.0563	-638	PLP	3.2	1	10.6	1	1.2	1	0.302	-1	2.576	0	8.532	0	2198	34	2.0
4384.3	10000	38.3751	95.0554	-636	PLP	3.3	1	10.5	1	1.3	1	0.316	0	2.547	0	8.067	0	2246	47	2.0
4384.2	10000	38.3751	95.0546	-634	PLP	3.5	1	10.4	1	1.4	1	0.341	0	2.596	0	7.616	-1	2279	51	2.0
4384.1	10000	38.3751	95.0537	-632	PLP	3.6	1	10.1	0	1.4	1	0.353	0	2.603	0	7.383	-1	2329	47	2.0
4384.0	10000	38.3750	95.0528	-630	PLP	3.6	1	10.3	1	1.4	2	0.353	0	2.556	0	7.246	-1	2361	51	2.0
4383.9	10000	38.3750	95.0519	-628	PLP	3.9	1	10.6	1	1.4	2	0.366	0	2.731	0	7.451	-1	2384	49	2.0
4383.8	10000	38.3750	95.0511	-625	PLP	3.7	1	10.9	1	1.5	2	0.344	-1	2.520	0	7.321	-1	2410	45	2.0
4383.7	10000	38.3750	95.0502	-623	PLP	3.9	1	11.1	1	1.5	2	0.350	0	2.648	0	7.575	-1	2412	30	2.0
4383.6	10000	38.3750	95.0493	-620	PLP	3.8	1	11.5	2	1.5	2	0.329	0	2.536	0	7.714	-1	2425	52	2.0
4383.5	10000	38.3750	95.0484	-616	PLP	3.9	1	11.5	1	1.5	2	0.340	0	2.586	0	7.618	-1	2461	40	2.0
4383.4	10000	38.3750	95.0476	-614	PLP	3.8	1	11.5	1	1.5	2	0.333	0	2.542	0	7.629	-1	2472	49	2.0
4383.3	10000	38.3750	95.0467	-613	PLP	3.8	1	11.5	1	1.5	2	0.332	0	2.628	0	7.738	-1	2480	51	2.0
4383.2	10000	38.3750	95.0458	-611	PLP	3.9	1	11.5	1	1.5	2	0.338	0	2.512	0	7.790	-1	2482	51	2.0
4383.1	10000	38.3750	95.0450	-608	PLP	3.9	1	11.5	1	1.5	2	0.336	0	2.795	0	7.263	-1	2479	63	2.0
4383.0	10000	38.3750	95.0441	-605	PLP	3.8	1	11.5	1	1.5	2	0.329	0	2.705	0	7.157	-1	2471	41	2.0
4382.9	10000	38.3750	95.0432	-603	PLP	3.8	1	11.2	1	1.4	2	0.340	0	2.952	0	7.080	-1	2444	38	2.0
4382.8	10000	38.3750	95.0423	-601	PLP	3.8	1	11.2	1	1.4	2	0.333	0	2.923	0	7.077	-1	2429	46	2.0
4382.7	10000	38.3750	95.0415	-598	PKC	3.8	1	11.0	1	1.4	2	0.365	0	3.059	0	7.283	-1	2416	40	2.0
4382.6	10000	38.3750	95.0406	-596	PKC	3.8	1	11.0	1	1.4	2	0.363	0	3.025	0	7.002	-1	2426	49	2.0
4382.5	10000	38.3750	95.0397	-593	PKC	3.8	1	10.9	1	1.4	2	0.350	0	2.774	0	7.006	-1	2459	44	2.0
4382.4	10000	38.3750	95.0389	-590	PKC	3.8	1	10.9	1	1.4	2	0.336	0	2.869	0	7.665	-1	2502	53	2.0
4382.3	10000	38.3750	95.0380	-587	PKC	3.8	1	10.8	1	1.4	2	0.334	0	2.817	0	7.589	-1	2547	45	2.0
4382.2	10000	38.3750	95.0371	-585	PKC	3.8	1	10.8	1	1.4	2	0.330	0	2.863	0	7.665	-1	2555	59	2.0
4382.1	10000	38.3750	95.0363	-584	PKC	3.8	1	10.8	1	1.4	2	0.339	0	2.863	0	7.589	-1	2533	45	2.0
4382.0	10000	38.3750	95.0354	-583	PKC	3.8	1	10.8	1	1.4	2	0.330	0	2.863	0	7.589	-1	2513	45	2.0
4381.9	10000	38.3750	95.0345	-581	PKC	3.8	1	10.8	1	1.4	2	0.330	0	2.863	0	7.589	-1	2445	59	2.0
4381.8	10000	38.3749	95.0336	-580	PKC	3.8	1	10.8	1	1.4	2	0.330	0	2.863	0	7.589	-1	2353	58	2.0
4381.7	10000	38.3749	95.0328	-579	PKC	3.8	1	10.8	1	1.4	2	0.330	0	2.863	0	7.589	-1	2255	55	2.0
4381.6	10000	38.3749	95.0319	-577	PKC	3.8	1	10.8	1	1.4	2	0.330	0	2.863	0	7.589	-1	2165	47	2.0
4381.5	10000	38.3749	95.0310	-576	PKC	3.8	1	10.8	1	1.4	2	0.330	0	2.863	0	7.589	-1	2111	47	2.0
4381.4	10000	38.3749	95.0302	-575	PKC	3.8	1	10.8	1	1.4	2	0.330	0	2.863	0	7.589	-1	2028	47	2.0

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4381.3	10000	38.3749	95.0293	-575	PKC	2.6	-1	8.6	-1	0.9	-1	0.301	-1	2.815	0	9.342	1	1961	49	2.2
4381.2	10000	38.3749	95.0284	-574	PKC	2.7	-1	8.6	-1	0.9	-1	0.308	-1	2.834	0	9.188	1	1931	47	2.2
4381.1	10000	38.3749	95.0275	-573	PKC	2.7	-1	8.5	-1	1.0	-1	0.315	-1	2.783	0	8.835	0	1928	47	2.2
4381.0	10000	38.3749	95.0267	-573	PKC	3.1	0	8.5	-1	1.1	0	0.365	0	2.935	0	8.032	0	1963	37	2.2
4380.9	10000	38.3749	95.0258	-573	PKC	3.0	0	8.5	-1	1.1	0	0.358	0	2.665	0	7.449	-1	2002	39	2.2
4380.8	10000	38.3749	95.0249	-573	PKC	3.2	0	8.6	-1	1.2	0	0.370	0	2.747	0	7.423	-1	2016	41	2.2
4380.7	10000	38.3749	95.0240	-574	PKC	3.3	0	9.0	0	1.2	1	0.366	0	2.679	0	7.312	-1	2062	45	2.2
4380.6	10000	38.3749	95.0231	-575	PKC	3.3	0	9.5	0	1.2	1	0.349	0	2.671	0	7.653	-1	2101	44	2.2
4380.5	10000	38.3749	95.0223	-577	PKC	3.5	0	9.8	0	1.2	0	0.359	0	2.907	0	8.106	0	2147	45	2.2
4380.4	10000	38.3749	95.0214	-578	PKC	3.5	0	10.0	0	1.1	0	0.352	0	3.085	0	8.762	0	2150	47	2.2
4380.3	10000	38.3749	95.0205	-580	PKC	3.2	0	10.4	1	1.1	0	0.311	-1	2.940	0	9.455	1	2142	46	2.2
4380.2	10000	38.3749	95.0196	-583	PKC	3.2	0	10.2	1	1.0	-1	0.316	-1	3.239	0	10.252	1	2113	49	2.2
4380.1	10000	38.3749	95.0188	-586	PKC	3.4	0	10.0	1	1.0	-1	0.339	0	3.450	1	10.193	1	2104	60	2.2
4380.0	10000	38.3749	95.0179	-589	PKC	3.6	1	10.2	1	0.9	-1	0.350	0	3.966	1	11.316	2	2088	55	2.2
4379.9	10000	38.3749	95.0170	-593	PKC	3.6	0	10.1	1	0.9	-1	0.352	0	3.901	1	11.075	2	2071	46	2.2
4379.8	10000	38.3749	95.0161	-596	PKC	3.6	0	9.6	0	0.9	-1	0.370	0	3.807	1	10.282	2	2057	48	2.2
4379.7	10000	38.3749	95.0152	-600	PKC	3.6	1	9.7	0	1.0	-1	0.371	0	3.802	1	10.241	1	2050	42	2.2
4379.6	10000	38.3749	95.0144	-604	PKC	3.5	0	9.6	0	0.9	-1	0.362	0	3.770	1	10.424	2	2012	51	2.2
4379.5	10000	38.3749	95.0135	-608	PKC	3.4	0	9.7	0	1.0	-1	0.348	0	3.494	1	10.027	1	2010	47	2.2
4379.4	10000	38.3749	95.0126	-612	PKC	3.1	0	9.3	0	0.9	-1	0.332	0	3.276	1	9.877	1	1989	51	2.2
4379.3	10000	38.3749	95.0117	-615	PKC	2.9	-1	8.8	0	1.0	-1	0.329	0	2.900	0	8.802	0	1983	36	2.3
4379.2	10000	38.3750	95.0108	-619	PKC	2.8	-1	8.9	0	1.0	-1	0.317	-1	2.836	0	8.956	0	1970	42	2.3
4379.1	10000	38.3749	95.0100	-622	PKC	2.7	-1	9.3	0	1.0	-1	0.294	-1	2.850	0	9.676	1	1948	51	2.3
4379.0	10000	38.3749	95.0091	-625	PKC	2.8	-1	9.5	0	1.0	-1	0.291	-1	2.863	0	9.837	1	1944	48	2.3
4378.9	10000	38.3749	95.0082	-627	PKC	3.0	0	9.5	0	1.0	-1	0.318	-1	3.170	0	9.969	1	1972	49	2.3
4378.8	10000	38.3749	95.0073	-631	PKC	3.1	0	9.4	0	1.0	-1	0.333	0	3.210	0	9.648	1	1986	54	2.3
4378.7	10000	38.3750	95.0065	-634	PKC	3.0	0	9.9	0	1.0	-1	0.308	-1	3.048	0	9.898	1	2014	48	2.3
4378.6	10000	38.3750	95.0056	-636	PKC	3.2	-1	10.4	1	1.0	-1	0.286	-1	2.973	0	10.392	2	2040	49	2.3
4378.5	10000	38.3750	95.0047	-639	PKC	3.2	0	10.2	1	1.0	-1	0.310	-1	3.054	0	9.855	1	2075	38	2.3
4378.4	10000	38.3750	95.0038	-641	PKC	3.1	0	9.6	0	1.0	-1	0.327	0	3.009	0	9.197	1	2109	43	2.3
4378.3	10000	38.3749	95.0029	-643	PKC	3.3	0	9.9	0	1.1	0	0.320	0	3.063	0	9.324	1	2133	43	2.3
4378.2	10000	38.3750	95.0021	-645	PKC	3.3	0	9.9	0	1.1	0	0.306	0	3.091	0	9.134	1	2174	39	2.3
4378.1	10000	38.3750	95.0012	-648	PKC	3.1	0	9.6	0	1.1	0	0.282	0	2.948	0	8.248	1	2212	45	2.3
4378.0	10000	38.3750	95.0003	-650	PKC	3.4	0	10.0	1	1.1	0	0.330	0	3.491	0	8.886	1	2260	41	2.3
4377.9	10000	38.3750	94.9994	-652	PKC	3.5	0	9.8	0	1.2	0	0.329	0	3.325	0	8.015	1	2278	42	2.3
4377.8	10000	38.3750	94.9986	-655	PKC	3.5	0	9.8	0	1.2	0	0.322	0	3.603	0	8.110	1	2313	58	2.3
4377.7	10000	38.3750	94.9977	-656	PKC	3.4	0	9.5	0	1.2	0	0.294	0	3.641	0	8.227	1	2330	36	2.3
4377.6	10000	38.3750	94.9968	-657	PKC	3.5	0	9.7	0	1.2	0	0.329	0	3.612	0	8.619	1	2351	52	2.3
4377.5	10000	38.3750	94.9959	-657	PKC	3.5	0	9.9	0	1.2	0	0.306	0	3.418	0	8.634	1	2357	46	2.3
4377.4	10000	38.3750	94.9950	-656	PKC	3.6	0	10.0	1	1.2	0	0.313	0	3.833	0	8.734	1	2349	43	2.3
4377.3	10000	38.3750	94.9942	-659	PKC	3.4	0	9.7	0	1.2	0	0.285	0	3.643	0	8.276	1	2340	46	2.3
4377.2	10000	38.3750	94.9933	-661	PKC	3.4	0	9.6	0	1.2	0	0.290	0	3.737	0	8.622	1	2351	47	2.3
4377.1	10000	38.3750	94.9924	-662	PKC	3.4	0	9.8	0	1.2	0	0.275	0	3.647	0	8.619	1	2314	49	2.3
4377.0	10000	38.3750	94.9915	-663	PKC	3.4	0	9.8	0	1.2	0	0.271	0	3.503	0	8.827	1	2303	34	2.3
4376.9	10000	38.3750	94.9907	-663	PKC	3.4	0	9.8	0	1.2	0	0.246	0	3.371	0	8.228	1	2277	33	2.3
4376.8	10000	38.3750	94.9898	-663	PKC	3.4	0	9.8	0	1.2	0	0.262	0	3.395	0	8.338	1	2257	38	2.3
4376.7	10000	38.3750	94.9889	-663	PKC	3.4	0	9.8	0	1.2	0	0.266	0	3.267	0	8.633	1	2248	51	2.3
4376.6	10000	38.3750	94.9880	-663	PKC	3.4	0	9.8	0	1.2	0	0.288	0	3.451	0	8.730	1	2239	49	2.3
4376.5	10000	38.3750	94.9872	-662	PKC	3.4	0	9.8	0	1.2	0	0.294	0	3.573	0	8.636	1	2230	49	2.3
4376.4	10000	38.3750	94.9863	-662	PKC	3.4	0	9.8	0	1.2	0	0.311	0	3.728	0	8.583	1	2238	51	2.3
4376.3	10000	38.3750	94.9854	-662	PKC	3.4	0	9.8	0	1.2	0	0.329	0	3.832	0	8.744	1	2244	51	2.3
4376.2	10000	38.3750	94.9845	-662	PKC	3.4	0	9.8	0	1.2	0	0.333	0	3.976	0	8.292	1	2250	49	2.3

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4376.1	10000	38.3750	94.9836	-662	PKC	3.4	0	10.5	1	1.1	0	0.324	0	3.087	0	9.534	1	2237	39	2.3
4376.0	10000	38.3750	94.9828	-662	PKC	3.3	0	10.5	1	1.1	0	0.316	-1	3.045	0	9.640	1	2209	40	2.3
4375.9	10000	38.3750	94.9819	-661	PKC	3.1	0	10.6	1	1.1	0	0.291	-1	2.878	0	9.877	1	2152	47	2.3
4375.8	10000	38.3750	94.9810	-660	PKC	2.8	-1	10.9	1	1.0	-1	0.260	-1	2.794	0	10.730	2	2092	51	2.3
4375.7	10000	38.3750	94.9801	-660	PKC	2.7	-1	11.0	1	1.0	-1	0.243	-1	2.749	0	11.321	2	2045	39	2.3
4375.6	10000	38.3750	94.9792	-658	PKC	2.7	-1	10.5	1	0.9	-1	0.256	-1	2.907	0	11.363	2	1990	44	2.3
4375.5	10000	38.3750	94.9784	-657	PKC	2.8	-1	10.5	1	0.9	-1	0.265	-1	3.189	0	12.023	3	1953	43	2.3
4375.4	10000	38.3750	94.9775	-656	PKC	2.7	-1	10.2	1	0.9	-2	0.265	-1	3.137	0	11.832	3	1925	43	2.3
4375.3	10000	38.3750	94.9766	-657	PKC	2.9	-1	10.0	1	0.8	-2	0.287	-1	3.389	1	11.799	3	1907	37	2.3
4375.2	10000	38.3750	94.9757	-656	PKC	3.0	-1	9.7	0	0.9	-2	0.309	-1	3.468	1	11.233	2	1918	33	2.3
4375.1	10000	38.3750	94.9749	-655	PKC	3.2	0	9.2	0	0.9	-2	0.353	0	3.774	1	10.697	2	1919	44	2.3
4375.0	10000	38.3750	94.9740	-653	PKC	3.4	0	9.0	0	0.9	-2	0.373	0	3.899	1	10.459	2	1923	46	2.3
4374.9	10000	38.3750	94.9731	-652	PKC	3.4	0	9.2	0	0.9	-1	0.363	0	3.701	1	10.184	1	1937	56	2.3
4374.8	10000	38.3750	94.9722	-651	PKC	3.5	0	8.8	0	1.0	-1	0.393	0	3.601	1	9.172	1	1951	47	2.3
4374.7	10000	38.3750	94.9713	-650	PKC	3.5	0	8.8	0	0.9	-1	0.398	0	3.745	1	9.410	1	1955	44	2.3
4374.6	10000	38.3750	94.9705	-648	PKC	3.4	0	8.8	0	0.9	-1	0.384	0	3.594	1	9.369	1	1959	35	2.3
4374.5	10000	38.3750	94.9696	-646	PKC	3.3	0	9.0	0	0.9	-1	0.369	0	3.561	1	9.658	1	1955	38	2.3
4374.4	10000	38.3750	94.9687	-645	PKC	3.3	0	9.0	0	0.9	-1	0.370	0	3.733	1	10.083	1	1952	44	2.3
4374.3	10000	38.3750	94.9678	-643	PKC	3.4	0	8.7	-1	0.9	-1	0.393	0	3.750	1	9.551	1	1945	58	2.3
4374.2	10000	38.3750	94.9669	-642	PKC	3.3	0	8.6	-1	0.9	-1	0.384	0	3.782	1	9.847	1	1915	41	2.3
4374.1	10000	38.3750	94.9661	-640	PKC	3.0	-1	8.5	-1	0.9	-2	0.351	0	3.487	1	9.928	1	1882	59	2.3
4374.0	10000	38.3750	94.9652	-638	PKC	3.0	-1	8.5	-1	0.9	-1	0.352	0	3.393	1	9.632	1	1865	51	2.3
4373.9	10000	38.3750	94.9643	-636	PKC	3.0	-1	8.3	-1	0.9	-1	0.363	0	3.357	1	9.254	1	1858	49	2.3
4373.8	10000	38.3750	94.9634	-632	PKC	3.0	-1	7.6	-1	0.9	-1	0.390	0	3.271	1	8.381	0	1847	40	2.3
4373.7	10000	38.3750	94.9626	-629	PKC	3.0	0	7.4	-2	1.0	-1	0.409	1	3.154	0	7.717	0	1854	43	2.3
4373.6	10000	38.3750	94.9617	-629	PKC	2.8	-1	7.7	-1	1.0	-1	0.370	0	2.901	0	7.844	0	1856	42	2.3
4373.5	10000	38.3750	94.9608	-628	PKC	2.7	-1	7.6	-1	1.0	-1	0.351	0	2.626	-1	7.480	-1	1870	43	2.3
4373.4	10000	38.3750	94.9599	-627	PKC	2.8	-1	8.0	-1	1.0	-1	0.349	0	2.769	0	7.942	0	1876	36	2.3
4373.3	10000	38.3750	94.9590	-626	PKC	2.7	-1	7.9	-1	1.0	-1	0.343	0	2.665	0	7.773	0	1876	56	2.3
4373.2	10000	38.3750	94.9582	-624	PKC	2.7	-1	8.0	-1	1.0	-1	0.334	0	2.758	0	8.247	0	1880	67	2.3
4373.1	10000	38.3750	94.9573	-622	PKC	2.8	-1	8.2	-1	1.0	-1	0.339	0	2.851	0	8.409	0	1897	51	2.3
4373.0	10000	38.3750	94.9564	-621	PKC	2.6	-1	8.1	-1	1.0	-1	0.297	0	2.747	0	9.250	0	1912	40	2.3
4372.9	10000	38.3750	94.9555	-618	PKC	2.6	-1	8.2	-1	1.0	-1	0.282	0	2.731	0	9.699	0	1922	43	2.3
4372.8	10000	38.3750	94.9547	-616	PKC	2.6	-1	8.2	-1	1.0	-1	0.277	0	2.732	0	9.956	0	1954	48	2.3
4372.7	10000	38.3750	94.9538	-614	PKC	2.8	-1	8.5	-1	1.0	-1	0.293	0	2.898	0	9.881	0	1988	46	2.3
4372.6	10000	38.3750	94.9529	-613	PKC	2.8	-1	8.6	-1	1.0	-1	0.328	0	2.339	0	10.177	0	2013	34	2.3
4372.5	10000	38.3750	94.9520	-611	PKC	3.1	-1	8.6	-1	1.0	-1	0.305	0	3.111	0	10.190	0	2031	47	2.3
4372.4	10000	38.3750	94.9511	-610	PKC	3.1	-1	8.6	-1	1.0	-1	0.275	0	2.898	0	10.544	0	2041	47	2.3
4372.3	10000	38.3750	94.9503	-608	PKC	3.2	-1	8.6	-1	1.0	-1	0.280	0	2.915	0	10.413	0	2055	42	2.3
4372.2	10000	38.3750	94.9494	-605	PKC	3.3	-1	8.6	-1	1.0	-1	0.313	0	3.121	0	9.979	0	2071	62	2.3
4372.1	10000	38.3750	94.9485	-604	PKC	3.3	-1	8.6	-1	1.0	-1	0.326	0	3.133	0	9.599	0	2069	49	2.3
4372.0	10000	38.3750	94.9476	-603	PKC	3.2	-1	8.6	-1	1.0	-1	0.307	0	3.091	0	9.411	0	2074	55	2.3
4371.9	10000	38.3750	94.9468	-600	PKC	3.2	-1	8.6	-1	1.0	-1	0.297	0	3.066	0	9.965	0	2081	33	2.3
4371.8	10000	38.3750	94.9459	-599	PKC	3.2	-1	8.6	-1	1.0	-1	0.338	0	3.079	0	9.276	0	2092	33	2.3
4371.7	10000	38.3750	94.9450	-597	PKC	3.2	-1	8.6	-1	1.0	-1	0.389	0	3.112	0	8.999	0	2129	44	2.3
4371.6	10000	38.3750	94.9441	-595	PKC	3.2	-1	8.6	-1	1.0	-1	0.390	0	3.102	0	8.742	0	2197	44	2.3
4371.5	10000	38.3750	94.9433	-593	PKC	3.2	-1	8.6	-1	1.0	-1	0.407	0	3.088	0	7.595	0	2251	46	2.3
4371.4	10000	38.3750	94.9424	-591	PKC	3.2	-1	8.6	-1	1.0	-1	0.385	0	3.092	0	7.594	0	2302	42	2.3
4371.3	10000	38.3750	94.9415	-588	PKC	3.2	-1	8.6	-1	1.0	-1	0.412	0	3.162	0	7.672	0	2352	44	2.3
4371.2	10000	38.3750	94.9406	-586	PKC	3.2	-1	8.6	-1	1.0	-1	0.404	0	3.199	0	7.926	0	2414	52	2.3
4371.1	10000	38.3750	94.9397	-584	PKC	3.2	-1	8.6	-1	1.0	-1	0.366	0	2.977	0	8.123	0	2450	40	2.3
4371.0	10000	38.3750	94.9389	-582	PKC	3.8	1	11.6	2	1.4	1	0.330	0	2.837	0	8.601	0	2441	50	2.1

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4370.9	10000	38.3750	94.9380	-580	PKC	3.8	1	11.6	2	1.3	1	0.329	0	2.959	0	8.993	1	2368	48	2.1
4370.8	10000	38.3750	94.9371	-577	PKC	3.4	0	11.7	2	1.2	0	0.288	-1	2.847	0	9.890	1	2304	42	2.1
4370.7	10000	38.3750	94.9362	-575	PKC	3.7	1	11.6	2	1.1	0	0.318	-1	3.406	1	10.709	2	2242	35	2.1
4370.6	10000	38.3750	94.9353	-572	PKC	3.5	0	11.6	2	1.0	-1	0.301	-1	3.411	1	11.319	2	2178	42	2.1
4370.5	10000	38.3750	94.9346	-570	PKC	3.5	0	11.3	2	0.9	-1	0.308	-1	3.660	1	11.883	3	2110	32	2.1
4370.4	10000	38.3750	94.9339	-567	PKC	3.6	1	11.1	1	0.9	-2	0.328	0	4.237	2	12.918	4	2063	48	2.1
4370.3	10000	38.3750	94.9332	-561	PKC	3.8	1	11.1	1	0.8	-2	0.343	0	4.678	2	13.649	4	2026	44	2.0
4370.2	10000	38.3750	94.9325	-548	PKC	3.6	1	10.9	1	0.8	-2	0.334	0	4.447	2	13.322	4	2007	39	2.0
4370.1	10000	38.3750	94.9318	-557	PKC	3.9	1	10.5	1	0.9	-2	0.367	0	4.513	2	12.306	3	2016	62	2.0
4370.0	10000	38.3750	94.9311	-561	PKC	3.8	1	10.3	1	0.9	-1	0.370	0	4.266	2	11.519	2	2030	61	2.0
4369.9	10000	38.3750	94.9304	-555	PKC	3.6	1	10.3	1	0.9	-1	0.351	0	3.997	1	11.374	2	2048	46	2.0
4369.8	10000	38.3750	94.9297	-548	PKC	3.6	1	10.3	1	1.0	-1	0.355	0	3.691	1	10.405	2	2082	51	2.0
4369.7	10000	38.3750	94.9290	-547	PKC	3.5	0	10.0	1	1.0	-1	0.354	0	3.424	1	9.685	1	2088	57	2.0
4369.6	10000	38.3750	94.9282	-546	PKC	3.5	0	10.2	1	1.1	0	0.340	0	3.136	0	9.212	1	2133	48	2.0
4369.5	10000	38.3750	94.9275	-545	PKC	3.7	1	10.2	1	1.1	0	0.359	0	3.258	0	9.067	1	2166	30	2.0
4369.4	10000	38.3749	94.9268	-544	PKC	3.7	1	10.6	1	1.1	0	0.349	0	3.322	0	9.512	1	2195	54	2.0
4369.3	10000	38.3749	94.9261	-542	PKC	3.7	1	10.6	1	1.1	0	0.352	0	3.452	1	9.817	1	2212	49	2.0
4369.2	10000	38.3749	94.9254	-541	PKC	3.8	1	10.4	1	1.1	0	0.371	0	3.449	1	9.295	1	2210	54	2.0
4369.1	10000	38.3749	94.9247	-539	PKC	3.7	1	10.3	1	1.0	0	0.357	0	3.506	1	9.824	1	2182	46	2.0
4369.0	10000	38.3749	94.9240	-536	PKC	3.8	1	10.3	1	1.0	-1	0.371	0	3.754	1	10.127	1	2176	41	2.0
4368.9	10000	38.3749	94.9233	-533	PKC	3.7	1	9.8	1	1.0	-1	0.378	0	3.789	1	10.020	1	2127	45	2.0
4368.8	10000	38.3749	94.9226	-531	PKC	3.7	1	9.7	0	1.0	-1	0.379	0	3.818	1	10.086	1	2098	50	2.0
4368.7	10000	38.3749	94.9218	-530	PKC	3.4	1	9.3	0	1.0	-1	0.363	0	3.489	1	9.620	1	2051	40	2.0
4368.6	10000	38.3749	94.9211	-529	PKC	3.2	0	9.5	0	1.0	-1	0.337	0	3.272	0	9.723	1	2021	60	2.0
4368.5	10000	38.3749	94.9204	-527	PKC	3.3	0	9.4	0	0.9	-1	0.351	0	3.484	1	9.928	1	1995	44	2.0
4368.4	10000	38.3749	94.9197	-524	PKC	3.2	0	9.4	0	1.0	-1	0.338	0	3.333	1	9.863	1	1976	45	2.0
4368.3	10000	38.3749	94.9190	-523	PKC	2.9	-1	9.7	0	1.0	-1	0.302	-1	3.038	0	10.066	1	1950	49	2.0
4368.2	10000	38.3749	94.9183	-521	PKC	2.9	-1	9.5	0	0.9	-1	0.304	-1	3.125	0	10.273	2	1913	38	2.0
4368.1	10000	38.3749	94.9176	-518	PKC	3.0	-1	9.4	0	0.9	-2	0.314	-1	3.413	1	10.866	2	1871	44	2.0
4368.0	10000	38.3749	94.9169	-516	PKC	3.0	-1	9.6	1	0.8	-2	0.315	-1	3.687	1	11.719	3	1835	56	1.9
4367.9	10000	38.3749	94.9162	-514	PKC	2.9	-1	9.8	1	0.8	-2	0.314	-1	3.576	1	11.378	2	1791	49	1.9
4367.8	10000	38.3749	94.9155	-512	PKC	2.7	-1	9.8	1	0.8	-2	0.306	-1	3.391	1	11.078	2	1760	35	1.9
4367.7	10000	38.3749	94.9147	-510	PKC	2.6	-1	9.8	1	0.8	-2	0.297	-1	3.302	1	11.127	2	1722	45	1.9
4367.6	10000	38.3749	94.9140	-508	PKC	2.7	-1	9.8	1	0.8	-2	0.324	-1	3.436	1	11.615	3	1710	41	1.9
4367.5	10000	38.3749	94.9133	-506	PKC	2.7	-1	9.8	1	0.8	-2	0.317	-1	3.190	1	11.077	3	1730	56	1.9
4367.4	10000	38.3749	94.9126	-504	PKC	2.6	-1	9.8	1	0.8	-2	0.301	-1	3.905	1	10.648	2	1748	48	1.9
4367.3	10000	38.3749	94.9119	-502	PKC	2.7	-1	9.8	1	0.8	-2	0.320	-1	3.927	1	9.154	2	1772	48	1.9
4367.2	10000	38.3748	94.9112	-499	PKC	2.8	-1	9.8	1	0.8	-2	0.332	-1	3.901	1	9.739	2	1813	46	1.9
4367.1	10000	38.3748	94.9105	-498	PKC	2.9	-1	9.8	1	0.8	-2	0.335	-1	3.952	1	9.252	2	1838	46	1.9
4367.0	10000	38.3748	94.9098	-496	PKC	2.9	-1	9.8	1	0.8	-2	0.339	-1	4.042	2	9.660	2	1881	38	1.9
4366.9	10000	38.3748	94.9091	-494	PKC	2.9	-1	9.8	1	0.8	-2	0.337	-1	3.982	2	9.924	2	1896	35	1.9
4366.8	10000	38.3748	94.9083	-492	PKC	2.9	-1	9.8	1	0.8	-2	0.337	-1	3.951	2	9.614	2	1913	39	1.9
4366.7	10000	38.3748	94.9076	-490	PKC	2.9	-1	9.8	1	0.8	-2	0.337	-1	3.951	2	9.614	2	1931	38	1.9
4366.6	10000	38.3748	94.9069	-488	PKC	2.9	-1	9.8	1	0.8	-2	0.337	-1	3.951	2	9.614	2	1959	34	1.9
4366.5	10000	38.3748	94.9062	-487	PKC	2.9	-1	9.8	1	0.8	-2	0.337	-1	3.951	2	9.614	2	1969	45	1.9
4366.4	10000	38.3748	94.9055	-484	PKC	2.9	-1	9.8	1	0.8	-2	0.337	-1	3.951	2	9.614	2	1983	54	1.9
4366.3	10000	38.3748	94.9048	-483	PKC	2.9	-1	9.8	1	0.8	-2	0.337	-1	3.951	2	9.614	2	1996	58	1.9
4366.2	10000	38.3748	94.9041	-481	PKC	2.9	-1	9.8	1	0.8	-2	0.337	-1	3.951	2	9.614	2	2004	49	1.9
4366.1	10000	38.3748	94.9034	-479	PKC	2.9	-1	9.8	1	0.8	-2	0.337	-1	3.951	2	9.614	2	1997	37	1.9
4366.0	10000	38.3748	94.9027	-478	PKC	2.9	-1	9.8	1	0.8	-2	0.337	-1	3.951	2	9.614	2	2001	30	1.9
4365.9	10000	38.3748	94.9019	-477	PKC	2.9	-1	9.8	1	0.8	-2	0.337	-1	3.951	2	9.614	2	2002	37	1.9
4365.8	10000	38.3748	94.9012	-475	PKC	2.9	-1	9.8	1	0.8	-2	0.337	-1	3.951	2	9.614	2	2002	44	1.9

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4365.7	10000	38.3748	94.9005	-474	PKC	3.3	0	9.7	0	1.1	0	0.335	0	3.093	0	9.222	1	2020	47	1.8
4365.6	10000	38.3748	94.8998	-472	PKC	3.5	0	10.0	1	1.1	0	0.346	0	3.276	0	9.478	1	2025	38	1.8
4365.5	10000	38.3748	94.8991	-467	PKC	3.6	1	9.4	0	1.0	0	0.385	0	3.438	1	8.925	0	2035	50	1.8
4365.4	10000	38.3748	94.8984	-455	PKC	3.9	1	9.5	0	1.1	0	0.411	1	3.653	1	8.894	0	2071	34	1.8
4365.3	10000	38.3748	94.8977	-442	PKC	4.0	1	9.7	0	1.0	0	0.419	1	3.858	1	9.203	1	2102	47	1.8
4365.2	10000	38.3748	94.8970	-441	PKC	4.0	1	9.9	0	1.1	0	0.403	1	3.705	1	9.183	1	2151	55	1.8
4365.1	10000	38.3748	94.8963	-455	PKC	4.1	1	10.3	1	1.2	0	0.396	1	3.472	1	8.774	0	2209	47	1.8
4365.0	10000	38.3748	94.8956	-465	PKC	4.0	1	10.4	1	1.3	1	0.384	0	3.184	0	8.283	0	2274	47	1.8
4364.9	10000	38.3747	94.8949	-469	PKC	4.0	1	10.5	1	1.3	1	0.382	0	3.026	0	7.927	0	2318	47	1.8
4364.8	10000	38.3747	94.8941	-469	PKC	4.4	2	10.7	1	1.4	1	0.414	1	3.208	0	7.750	0	2390	39	1.8
4364.7	10000	38.3747	94.8934	-469	PKC	4.5	2	11.0	1	1.4	1	0.412	1	3.310	0	8.045	0	2408	44	1.8
4364.6	10000	38.3747	94.8927	-468	PKC	4.5	2	11.4	2	1.4	2	0.396	0	3.207	0	8.098	0	2436	36	1.8
4364.5	10000	38.3747	94.8920	-467	PKC	4.6	2	11.6	2	1.4	2	0.397	0	3.176	0	7.996	0	2468	49	1.8
4364.4	10000	38.3747	94.8913	-467	PKC	4.6	2	11.8	2	1.4	2	0.393	0	3.221	0	8.202	0	2478	46	1.8
4364.3	10000	38.3747	94.8906	-466	PKC	4.9	3	11.6	2	1.4	2	0.421	1	3.404	1	8.086	0	2481	52	1.8
4364.2	10000	38.3747	94.8899	-465	PKC	4.8	3	11.5	2	1.4	2	0.418	1	3.428	1	8.192	0	2468	37	1.7
4364.1	10000	38.3747	94.8892	-465	PKC	4.8	3	11.6	2	1.3	1	0.412	1	3.567	1	8.668	0	2409	43	1.7
4364.0	10000	38.3747	94.8885	-464	PKC	4.7	2	10.9	1	1.3	1	0.428	1	3.621	1	8.467	0	2357	39	1.7
4363.9	10000	38.3747	94.8877	-464	PKC	4.5	2	10.5	1	1.2	0	0.425	1	3.713	1	8.740	0	2277	40	1.7
4363.8	10000	38.3747	94.8870	-463	PKC	4.5	2	9.9	1	1.1	0	0.458	1	4.280	2	9.351	1	2203	39	1.7
4363.7	10000	38.3747	94.8863	-462	PKC	4.3	2	9.3	0	1.0	-1	0.466	1	4.436	2	9.530	1	2124	47	1.7
4363.6	10000	38.3747	94.8856	-462	PKC	4.2	2	9.0	0	0.9	-1	0.468	1	4.707	2	10.048	1	2047	58	1.7
4363.5	10000	38.3747	94.8849	-461	PKC	4.2	2	8.7	0	0.8	-2	0.477	1	5.060	3	10.617	2	1979	54	1.7
4363.4	10000	38.3747	94.8842	-462	PKC	3.7	1	8.3	-1	0.8	-2	0.449	1	4.518	2	10.061	1	1940	40	1.7
4363.3	10000	38.3747	94.8835	-461	PKC	3.6	1	8.4	-1	0.8	-2	0.431	1	4.403	2	10.213	1	1922	43	1.7
4363.2	10000	38.3747	94.8828	-459	PKC	3.7	1	8.5	-1	0.8	-2	0.433	1	4.412	2	10.197	1	1913	42	1.7
4363.1	10000	38.3747	94.8821	-458	PKC	3.7	1	8.6	-1	0.8	-2	0.433	1	4.412	2	10.197	1	1888	41	1.7
4363.0	10000	38.3747	94.8813	-456	PKC	3.7	1	8.6	-1	0.8	-2	0.433	1	4.412	2	10.197	1	1885	38	1.7
4362.9	10000	38.3746	94.8806	-455	PKC	3.7	1	8.7	-1	0.8	-2	0.429	1	4.412	2	10.197	1	1883	56	1.7
4362.8	10000	38.3746	94.8799	-453	PKC	3.8	1	8.8	-1	0.8	-2	0.447	1	4.412	2	10.197	1	1894	48	1.7
4362.7	10000	38.3746	94.8792	-452	PKC	3.8	1	8.8	-1	0.8	-2	0.419	1	4.412	2	10.197	1	1914	46	1.7
4362.6	10000	38.3746	94.8785	-450	PKC	3.8	1	8.8	-1	0.8	-2	0.379	1	4.412	2	10.197	1	1930	49	1.7
4362.5	10000	38.3746	94.8778	-449	PKC	3.8	1	8.8	-1	0.8	-2	0.399	1	4.412	2	10.197	1	1941	37	1.7
4362.4	10000	38.3746	94.8771	-447	PKC	3.8	1	8.8	-1	0.8	-2	0.405	1	4.412	2	10.197	1	1939	45	1.7
4362.3	10000	38.3746	94.8764	-446	PKC	3.8	1	8.8	-1	0.8	-2	0.415	1	4.412	2	10.197	1	1924	51	1.7
4362.2	10000	38.3746	94.8757	-445	PKC	3.8	1	8.8	-1	0.8	-2	0.392	1	4.412	2	10.197	1	1932	48	1.7
4362.1	10000	38.3746	94.8750	-443	PKC	3.8	1	8.8	-1	0.8	-2	0.433	1	4.412	2	10.197	1	1927	50	1.7
4362.0	10000	38.3746	94.8743	-442	PKC	3.8	1	8.8	-1	0.8	-2	0.461	1	4.412	2	10.197	1	1918	44	1.7
4361.9	10000	38.3746	94.8735	-441	PKC	3.8	1	8.8	-1	0.8	-2	0.438	1	4.412	2	10.197	1	1912	37	1.7
4361.8	10000	38.3746	94.8728	-441	PKC	3.8	1	8.8	-1	0.8	-2	0.383	1	4.412	2	10.197	1	1915	44	1.7
4361.7	10000	38.3746	94.8721	-441	PKC	3.8	1	8.8	-1	0.8	-2	0.378	1	4.412	2	10.197	1	1914	36	1.7
4361.6	10000	38.3746	94.8714	-440	PKC	3.8	1	8.8	-1	0.8	-2	0.346	1	4.412	2	10.197	1	1924	45	1.7
4361.5	10000	38.3746	94.8707	-440	PKC	3.8	1	8.8	-1	0.8	-2	0.338	1	4.412	2	10.197	1	1916	52	1.7
4361.4	10000	38.3746	94.8700	-439	PKC	3.8	1	8.8	-1	0.8	-2	0.332	1	4.412	2	10.197	1	1926	42	1.7
4361.3	10000	38.3746	94.8693	-438	PKC	3.8	1	8.8	-1	0.8	-2	0.321	1	4.412	2	10.197	1	1926	43	1.7
4361.2	10000	38.3746	94.8686	-439	PKC	3.8	1	8.8	-1	0.8	-2	0.308	1	4.412	2	10.197	1	1919	29	1.7
4361.1	10000	38.3746	94.8678	-439	PKC	3.8	1	8.8	-1	0.8	-2	0.355	1	4.412	2	10.197	1	1897	49	1.7
4361.0	10000	38.3746	94.8671	-439	PKC	3.8	1	8.8	-1	0.8	-2	0.382	1	4.412	2	10.197	1	1892	48	1.7
4360.9	10000	38.3746	94.8664	-439	PKC	3.8	1	8.8	-1	0.8	-2	0.391	1	4.412	2	10.197	1	1866	54	1.7
4360.8	10000	38.3745	94.8657	-439	PKC	3.8	1	8.8	-1	0.8	-2	0.419	1	4.412	2	10.197	1	1855	45	1.7
4360.7	10000	38.3745	94.8650	-439	PKC	3.8	1	8.8	-1	0.8	-2	0.419	1	4.412	2	10.197	1	1820	50	1.7
4360.6	10000	38.3745	94.8643	-439	PKC	3.8	1	8.8	-1	0.8	-2	0.419	1	4.412	2	10.197	1	1798	41	1.7

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4360.5	10000	38.3745	94.8636	-438	PKC	3.5	0	8.0	-1	0.9	-1	0.435	1	3.962	1	9.102	1	1782	52	1.7
4360.4	10000	38.3745	94.8629	-437	PKC	3.4	0	7.4	-2	0.9	-1	0.459	1	3.847	1	8.382	0	1753	44	1.7
4360.3	10000	38.3745	94.8622	-437	PKC	3.3	0	7.4	-2	0.9	-2	0.448	1	3.895	1	8.686	0	1734	45	1.7
4360.2	10000	38.3745	94.8615	-439	PKC	3.4	0	7.4	-1	0.8	-2	0.450	1	4.071	2	9.042	1	1741	48	1.7
4360.1	10000	38.3745	94.8607	-441	PKC	3.3	0	7.1	-2	0.8	-2	0.461	1	3.977	1	8.633	0	1732	52	1.7
4360.0	10000	38.3745	94.8600	-442	PKC	3.3	0	7.3	-2	0.9	-1	0.448	1	3.611	1	8.056	0	1749	39	1.7
4359.9	10000	38.3745	94.8593	-442	PKC	3.0	0	7.3	-2	0.9	-1	0.414	1	3.273	1	7.900	0	1758	49	1.7
4359.8	10000	38.3745	94.8586	-442	PKC	2.9	-1	7.3	-2	1.0	-1	0.396	1	3.009	0	7.605	-1	1769	42	1.7
4359.7	10000	38.3745	94.8579	-442	PKC	2.9	-1	7.9	-1	1.0	-1	0.367	1	3.040	0	8.288	0	1820	50	1.7
4359.6	10000	38.3745	94.8572	-442	PKC	3.0	-1	8.3	-1	1.0	-1	0.358	1	2.834	0	7.926	0	1870	41	1.7
4359.5	10000	38.3745	94.8565	-442	PKC	3.1	0	8.2	-1	1.1	0	0.374	1	2.820	0	7.532	-1	1919	39	1.7
4359.4	10000	38.3745	94.8558	-442	PKC	3.2	0	8.7	0	1.2	0	0.370	1	2.741	0	7.411	-1	1977	38	1.7
4359.3	10000	38.3745	94.8551	-442	PKC	3.2	0	9.3	0	1.2	0	0.348	1	2.728	0	7.850	0	2027	47	1.7
4359.2	10000	38.3745	94.8544	-441	PKC	3.3	0	10.1	1	1.2	1	0.328	1	2.685	0	8.186	0	2082	51	1.7
4359.1	10000	38.3745	94.8536	-440	PKC	3.6	0	10.3	1	1.3	1	0.344	1	2.763	0	8.042	0	2160	45	1.7
4359.0	10000	38.3745	94.8529	-439	PKC	4.0	1	10.5	1	1.4	1	0.379	2	2.854	0	7.528	-1	2219	41	1.7
4358.9	10000	38.3745	94.8522	-439	PKC	4.0	1	10.8	1	1.4	2	0.368	2	2.833	0	7.688	-1	2277	38	1.7
4358.8	10000	38.3745	94.8515	-438	PKC	4.3	2	11.1	1	1.4	2	0.384	2	2.947	0	7.671	-1	2335	38	1.7
4358.7	10000	38.3745	94.8508	-438	PKC	4.4	2	11.1	1	1.4	2	0.400	1	3.068	0	7.661	-1	2376	41	1.7
4358.6	10000	38.3745	94.8501	-437	PKC	4.7	2	10.5	1	1.5	2	0.442	1	3.206	0	7.259	-1	2406	53	1.8
4358.5	10000	38.3745	94.8494	-436	PKC	5.1	3	10.1	1	1.4	2	0.509	1	3.553	1	6.977	-1	2420	51	1.8
4358.4	10000	38.3744	94.8487	-436	PKC	5.0	3	9.8	0	1.4	1	0.505	1	3.553	1	7.038	-1	2398	49	1.8
4358.3	10000	38.3744	94.8480	-435	PKC	4.9	3	9.8	0	1.3	1	0.503	1	3.782	1	7.512	-1	2388	42	1.8
4358.2	10000	38.3744	94.8472	-434	PKC	4.9	3	9.3	0	1.3	1	0.532	2	3.901	1	7.331	-1	2357	43	1.8
4358.1	10000	38.3744	94.8465	-434	PKC	4.8	3	8.9	0	1.2	1	0.536	2	3.988	1	7.436	-1	2331	44	1.8
4358.0	10000	38.3744	94.8458	-433	PKC	4.6	2	8.7	-1	1.2	1	0.536	2	3.967	1	7.404	-1	2312	46	1.8
4357.9	10000	38.3744	94.8451	-432	PKC	4.6	2	8.5	-1	1.1	0	0.544	2	4.094	2	7.529	-1	2295	41	1.8
4357.8	10000	38.3744	94.8444	-431	PKC	4.2	2	8.6	-1	1.1	0	0.485	2	3.760	1	7.753	0	2279	42	1.8
4357.7	10000	38.3744	94.8437	-432	PKC	4.3	2	9.0	0	1.2	1	0.471	1	3.584	1	7.601	-1	2303	35	1.8
4357.6	10000	38.3744	94.8430	-432	PKC	4.4	2	9.0	0	1.2	1	0.487	2	3.584	1	7.406	-1	2298	45	1.8
4357.5	10000	38.3744	94.8423	-432	PKC	4.4	2	9.0	0	1.2	1	0.487	2	3.584	1	7.729	-1	2311	48	1.8
4357.4	10000	38.3744	94.8416	-433	PKC	4.4	2	8.7	0	1.2	1	0.506	2	3.584	1	7.704	-1	2326	47	1.8
4357.3	10000	38.3744	94.8409	-433	PKC	4.4	2	8.7	0	1.2	1	0.506	2	3.584	1	7.704	-1	2339	51	1.8
4357.2	10000	38.3744	94.8401	-434	PKC	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	2346	43	1.8
4357.1	10000	38.3744	94.8394	-435	PKC	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	2353	44	1.8
4357.0	10000	38.3744	94.8387	-436	PKC	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	2330	51	1.8
4356.9	10000	38.3744	94.8380	-439	PKC	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	2337	57	1.8
4356.8	10000	38.3744	94.8373	-439	PKC	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	2328	46	1.8
4356.7	10000	38.3744	94.8366	-440	PKC	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	2319	47	1.8
4356.6	10000	38.3744	94.8359	-440	PKC	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	2298	44	1.8
4356.5	10000	38.3744	94.8352	-440	PKC	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	2286	55	1.8
4356.4	10000	38.3744	94.8345	-439	PKC	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	2265	23	1.8
4356.3	10000	38.3743	94.8338	-438	PKC	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	2221	39	1.8
4356.2	10000	38.3743	94.8330	-438	PKC	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	2161	32	1.8
4356.1	10000	38.3743	94.8323	-437	PKC	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	2103	45	1.8
4356.0	10000	38.3743	94.8316	-436	PKC	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	2037	35	1.8
4355.9	10000	38.3743	94.8309	-435	PKC	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	1975	33	1.8
4355.8	10000	38.3743	94.8302	-433	QAL	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	1923	32	1.8
4355.7	10000	38.3743	94.8295	-433	QAL	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	1886	33	1.8
4355.6	10000	38.3743	94.8288	-432	QAL	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	1857	25	1.8
4355.5	10000	38.3743	94.8281	-432	QAL	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	1852	34	1.8
4355.4	10000	38.3743	94.8273	-432	QAL	4.4	2	8.6	0	1.2	1	0.512	2	3.584	1	7.704	-1	1852	34	1.8

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4355.3	10000	38.3743	94.8266	-433	QAL	3.7	1	8.0	-1	1.0	-1	0.455	2	3.499	1	7.698	0	1859	42	1.9
4355.2	10000	38.3743	94.8259	-432	QAL	3.3	1	8.1	-1	1.0	-1	0.411	1	3.256	1	7.921	0	1839	53	1.9
4355.1	10000	38.3743	94.8252	-433	QAL	3.2	0	7.8	-1	1.0	-1	0.408	1	3.129	1	7.664	0	1812	48	2.0
4355.0	10000	38.3743	94.8245	-433	QAL	2.8	0	7.8	-1	1.0	-1	0.364	1	2.777	1	7.624	0	1786	42	2.0
4354.9	10000	38.3743	94.8238	-434	QAL	2.7	-1	7.6	-1	1.0	-1	0.351	0	2.662	0	7.589	0	1749	34	2.0
4354.8	10000	38.3743	94.8231	-435	QAL	2.5	-1	7.3	-1	1.0	-1	0.343	0	2.627	0	7.664	0	1697	43	2.0
4354.7	10000	38.3743	94.8224	-436	QAL	2.4	-1	6.6	-2	0.9	-1	0.367	0	2.760	0	7.513	0	1612	54	2.0
4354.6	10000	38.3743	94.8217	-436	QAL	2.1	-2	6.0	-3	0.8	-2	0.358	0	2.745	0	7.661	0	1497	44	2.0
4354.5	10000	38.3743	94.8210	-437	QAL	2.3	-1	5.5	-3	0.7	-2	0.419	1	3.365	1	8.036	0	1394	35	2.0
4354.4	10000	38.3742	94.8203	-438	QAL	2.2	-2	5.1	-3	0.6	-3	0.426	1	3.633	2	8.524	1	1286	40	2.0
4354.3	10000	38.3742	94.8195	-440	QAL	2.2	-2	4.7	-4	0.5	-3	0.467	2	4.077	2	8.735	1	1200	48	2.0
4354.2	10000	38.3742	94.8188	-441	QAL	2.1	-2	4.1	-4	0.5	-3	0.502	2	4.608	3	9.172	1	1123	49	2.0
4354.1	10000	38.3742	94.8181	-442	QAL	2.0	-2	3.6	-4	0.4	-3	0.560	3	5.170	4	9.228	1	1056	35	2.0
4354.0	10000	38.3742	94.8174	-443	QAL	2.0	-2	3.5	-5	0.4	-4	0.570	4	5.642	5	9.905	2	1021	49	2.0
4353.9	10000	38.3742	94.8167	-446	QAL	1.9	-2	3.8	-4	0.4	-4	0.509	3	5.367	4	10.537	2	1028	41	2.0
4353.8	10000	38.3742	94.8160	-448	QAL	1.8	-2	3.9	-4	0.4	-3	0.454	2	4.456	3	9.804	1	1049	43	2.0
4353.7	10000	38.3742	94.8153	-450	QAL	1.8	-3	4.4	-4	0.4	-3	0.402	1	3.991	2	9.921	2	1103	39	2.0
4353.6	10000	38.3742	94.8146	-453	QAL	1.9	-2	4.7	-4	0.4	-3	0.395	1	4.350	3	11.001	2	1164	37	2.0
4353.5	10000	38.3742	94.8139	-455	QAL	1.9	-2	4.9	-3	0.5	-3	0.380	1	3.907	2	10.293	2	1221	53	2.0
4353.4	10000	38.3742	94.8131	-456	QAL	1.9	-2	5.5	-3	0.6	-3	0.352	0	3.454	1	9.822	1	1315	51	2.1
4353.3	10000	38.3742	94.8124	-458	QAL	2.1	-2	6.3	-2	0.7	-2	0.337	0	3.194	1	9.486	1	1411	45	2.1
4353.2	10000	38.3742	94.8117	-459	QAL	2.4	-1	6.4	-2	0.8	-2	0.366	0	3.070	1	8.380	1	1511	35	2.1
4353.1	10000	38.3742	94.8110	-461	QAL	2.3	-2	6.8	-2	0.8	-2	0.334	0	2.778	0	8.327	0	1611	47	2.1
4353.0	10000	38.3742	94.8103	-463	QAL	2.6	-1	7.2	-2	0.9	-1	0.357	0	2.851	0	7.996	0	1691	46	2.1
4352.9	10000	38.3742	94.8096	-465	QAL	2.5	-1	7.7	-1	1.0	-1	0.329	0	2.477	0	7.530	0	1761	42	2.1
4352.8	10000	38.3742	94.8088	-466	QAL	2.7	-1	8.2	-1	1.1	-1	0.325	0	2.445	0	7.522	0	1835	58	2.1
4352.7	10000	38.3741	94.8080	-468	QAL	2.7	-1	8.2	-1	1.1	-1	0.331	0	2.368	0	7.163	0	1888	32	2.1
4352.6	10000	38.3741	94.8072	-470	QAL	2.6	-1	7.8	-1	1.1	-1	0.309	0	2.184	0	7.069	0	1934	47	2.1
4352.5	10000	38.3741	94.8064	-471	QAL	2.6	-1	7.8	-1	1.1	-1	0.297	0	2.145	0	7.218	0	1980	34	2.1
4352.4	10000	38.3741	94.8056	-473	QAL	2.6	-1	7.8	-1	1.1	-1	0.324	0	2.334	0	7.208	0	2009	46	2.1
4352.3	10000	38.3741	94.8048	-475	QAL	2.8	-1	8.2	-1	1.1	-1	0.304	0	2.227	0	7.328	0	2047	46	2.1
4352.2	10000	38.3741	94.8040	-476	QAL	2.9	-1	8.3	-1	1.2	-1	0.308	0	2.251	0	7.302	0	2071	43	2.1
4352.1	10000	38.3741	94.8032	-477	QAL	3.0	-1	8.8	-1	1.2	-1	0.314	0	2.358	0	7.499	0	2076	36	2.1
4352.0	10000	38.3741	94.8024	-478	QAL	3.1	-1	8.8	-1	1.2	-1	0.312	0	2.466	0	7.903	0	2076	39	2.1
4351.9	10000	38.3741	94.8016	-478	QAL	3.0	-1	8.9	-1	1.2	-1	0.318	0	2.439	0	7.657	0	2045	53	2.1
4351.8	10000	38.3740	94.8008	-479	PKC	3.1	-1	9.2	-1	1.2	-1	0.324	0	2.574	0	7.940	0	2015	56	2.1
4351.7	10000	38.3740	94.8000	-478	PKC	2.7	-1	9.4	-1	1.2	-1	0.304	0	2.432	0	7.998	0	1970	39	2.1
4351.6	10000	38.3740	94.7992	-472	PKC	2.8	-1	9.5	-1	1.1	-1	0.344	0	2.531	0	7.367	0	1918	56	2.1
4351.5	10000	38.3740	94.7984	-452	PKC	2.9	-1	9.8	-1	1.1	-1	0.356	0	2.664	0	7.483	0	1885	44	2.1
4351.4	10000	38.3740	94.7976	-422	PKC	2.7	-1	9.8	-1	1.1	-1	0.350	0	2.465	0	7.038	0	1870	43	2.1
4351.3	10000	38.3740	94.7968	-423	PKC	2.5	-1	9.7	-1	1.1	-1	0.324	0	2.172	0	6.704	0	1867	52	2.1
4351.2	10000	38.3740	94.7960	-454	PKC	2.5	-1	9.7	-1	1.1	-1	0.329	0	2.220	0	6.749	0	1903	28	2.1
4351.1	10000	38.3740	94.7952	-475	PKC	2.5	-1	9.8	-1	1.1	-1	0.324	0	2.123	0	6.563	0	1932	65	2.1
4351.0	10000	38.3740	94.7944	-481	PKC	2.9	-1	9.9	-1	1.1	-1	0.349	0	2.344	0	6.709	0	1988	59	2.1
4350.9	10000	38.3740	94.7936	-483	PKC	2.2	-1	9.9	-1	1.1	-1	0.359	0	2.564	0	7.140	0	2059	99	2.1
4350.8	10000	38.3739	94.7928	-482	PKC	2.3	-1	9.9	-1	1.1	-1	0.344	0	2.456	0	7.131	0	2124	41	2.1
4350.7	10000	38.3739	94.7920	-482	PKC	2.5	-1	9.9	-1	1.1	-1	0.322	0	2.402	0	7.455	0	2160	68	2.1
4350.6	10000	38.3739	94.7912	-481	PKC	2.5	-1	10.0	-1	1.1	-1	0.358	0	2.580	0	7.213	0	2206	51	2.1
4350.5	10000	38.3739	94.7904	-480	PKC	2.5	-1	10.1	-1	1.1	-1	0.358	0	2.476	0	7.218	0	2251	89	2.1
4350.4	10000	38.3739	94.7896	-478	PKC	2.5	-1	10.1	-1	1.1	-1	0.353	0	2.353	0	6.959	0	2289	51	2.1
4350.3	10000	38.3739	94.7888	-477	QAL	2.4	-1	10.1	-1	1.1	-1	0.321	0	2.158	0	6.712	0	2325	95	2.1
4350.2	10000	38.3739	94.7880	-476	QAL	3.0	-1	10.9	-1	1.6	-1	0.278	0	1.864	-1	6.695	-1	2395	73	2.2

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4350.1	10000	38.3739	94.7872	-475	QAL	2.8	-1	11.2	2	1.6	2	0.252	-1	1.708	-1	6.787	-1	2415	35	2.2
4350.0	10000	38.3739	94.7864	-473	QAL	3.0	0	11.6	2	1.7	2	0.262	-1	1.758	-1	6.720	-1	2468	55	2.2
4349.9	10000	38.3739	94.7856	-472	QAL	3.2	0	12.0	2	1.7	2	0.266	-1	1.841	-1	6.914	0	2495	45	2.2
4349.8	10000	38.3738	94.7848	-470	QAL	3.7	1	11.9	2	1.7	2	0.311	0	2.170	-1	6.985	0	2515	47	2.2
4349.7	10000	38.3738	94.7840	-468	QAL	3.8	1	12.0	2	1.8	2	0.316	0	2.161	-1	6.833	-1	2557	47	2.2
4349.6	10000	38.3738	94.7832	-466	QAL	3.7	1	12.2	2	1.8	2	0.299	-1	2.054	-1	6.873	0	2563	42	2.2
4349.5	10000	38.3738	94.7823	-465	QAL	3.8	1	11.9	2	1.8	2	0.317	0	2.125	-1	6.709	-1	2562	44	2.2
4349.4	10000	38.3738	94.7816	-463	QAL	4.0	2	11.6	2	1.8	2	0.347	0	2.263	0	6.520	-1	2578	41	2.2
4349.3	10000	38.3738	94.7807	-461	QAL	4.3	2	11.3	2	1.8	2	0.383	1	2.417	0	6.304	-1	2584	45	2.2
4349.2	10000	38.3738	94.7800	-460	QAL	4.0	2	11.2	2	1.8	2	0.355	0	2.210	-1	6.232	-1	2563	43	2.2
4349.1	10000	38.3738	94.7791	-457	QAL	3.4	1	11.3	2	1.8	2	0.296	-1	1.869	-1	6.311	-1	2528	45	2.1
4349.0	10000	38.3737	94.7784	-456	QAL	3.2	0	11.4	2	1.7	2	0.282	-1	1.910	-1	6.767	-1	2464	42	2.1
4348.9	10000	38.3737	94.7775	-454	QAL	3.5	1	11.1	1	1.6	1	0.291	-1	2.052	-1	7.046	0	2417	54	2.1
4348.8	10000	38.3737	94.7767	-451	QAL	3.2	0	10.9	1	1.5	1	0.290	-1	2.149	-1	7.420	0	2341	35	2.1
4348.7	10000	38.3737	94.7759	-449	QAL	3.1	0	10.8	1	1.4	1	0.297	-1	2.251	0	7.592	0	2275	42	2.1
4348.6	10000	38.3737	94.7751	-448	PP	3.0	0	10.1	1	1.3	1	0.301	-1	2.316	-1	7.682	0	2212	48	2.1
4348.5	10000	38.3737	94.7743	-446	PP	3.3	0	9.7	1	1.2	1	0.312	-1	2.557	-1	8.203	0	2173	42	2.1
4348.4	10000	38.3737	94.7735	-445	PP	3.6	0	9.7	0	1.2	0	0.367	0	2.760	0	7.527	-1	2147	48	2.1
4348.3	10000	38.3737	94.7727	-443	PP	3.7	0	9.0	0	1.2	0	0.395	0	3.069	0	7.766	0	2156	38	2.1
4348.2	10000	38.3737	94.7719	-441	PP	4.1	1	9.0	0	1.2	0	0.419	0	3.203	0	7.644	0	2173	38	2.1
4348.1	10000	38.3737	94.7711	-439	PP	4.4	2	9.0	0	1.2	0	0.456	1	3.450	1	7.573	-1	2227	28	2.1
4348.0	10000	38.3736	94.7703	-438	PP	4.0	1	8.8	0	1.2	0	0.457	1	3.[illegible]	0	7.368	-1	2253	43	2.1
4347.9	10000	38.3736	94.7695	-436	PP	4.4	1	9.4	0	1.2	0	0.420	0	3.[illegible]45	0	7.973	0	2266	42	2.1
4347.8	10000	38.3736	94.7687	-434	PP	4.0	1	9.6	0	1.2	0	0.419	0	3.256	0	7.776	0	2296	40	2.1
4347.7	10000	38.3736	94.7679	-432	PP	4.0	1	10.1	0	1.2	0	0.400	0	3.360	0	8.408	0	2283	46	2.1
4347.6	10000	38.3736	94.7671	-431	PP	3.6	1	9.5	0	1.2	0	0.382	0	3.025	0	7.929	0	2232	47	2.1
4347.5	10000	38.3736	94.7663	-430	PKC	3.4	0	9.2	0	1.2	0	0.376	0	2.914	0	7.753	0	2152	44	2.1
4347.4	10000	38.3736	94.7655	-428	PKC	3.9	1	8.[illegible]	0	1.2	0	0.331	0	2.510	-1	7.583	-1	2084	42	2.1
4347.3	10000	38.3736	94.7647	-427	PKC	3.7	1	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2045	49	2.1
4347.2	10000	38.3736	94.7639	-426	PKC	3.7	1	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2041	40	2.1
4347.1	10000	38.3736	94.7631	-425	PKC	3.7	1	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2012	53	2.1
4347.0	10000	38.3735	94.7623	-423	PKC	3.9	1	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2025	53	2.1
4346.9	10000	38.3735	94.7615	-422	PKC	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2066	33	2.1
4346.8	10000	38.3735	94.7607	-420	PKC	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2113	29	2.1
4346.7	10000	38.3735	94.7599	-420	PKC	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2149	50	2.1
4346.6	10000	38.3735	94.7591	-419	PKC	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2165	99	2.1
4346.5	10000	38.3735	94.7583	-418	PKC	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2164	45	2.1
4346.4	10000	38.3735	94.7575	-416	PKC	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2167	44	2.1
4346.3	10000	38.3735	94.7567	-415	PKC	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2172	49	2.1
4346.2	10000	38.3735	94.7559	-415	PKC	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2161	40	2.1
4346.1	10000	38.3734	94.7551	-414	PKC	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2167	53	2.1
4346.0	10000	38.3734	94.7543	-414	PKC	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2175	43	2.1
4345.9	10000	38.3734	94.7535	-413	PKC	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2193	45	2.1
4345.8	10000	38.3734	94.7527	-413	PKC	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2188	45	2.1
4345.7	10000	38.3734	94.7519	-412	PKC	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2207	80	2.1
4345.6	10000	38.3734	94.7511	-412	PP	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2185	50	2.1
4345.5	10000	38.3734	94.7503	-412	PP	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2165	20	2.1
4345.4	10000	38.3734	94.7495	-411	PP	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2134	99	2.1
4345.3	10000	38.3733	94.7487	-411	PP	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2136	98	2.1
4345.2	10000	38.3733	94.7479	-411	PP	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2146	45	2.1
4345.1	10000	38.3733	94.7471	-411	PP	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2136	45	2.1
4345.0	10000	38.3733	94.7463	-410	PP	3.2	0	8.[illegible]	0	1.2	0	0.[illegible]	0	2.[illegible]	0	7.[illegible]	0	2136	45	2.1

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4344.9	10000	38.3733	94.7455	-410	PP	4.1	1	8.0	-1	1.1	0	0.506	1	3.701	1	7.310	-1	2134	43	1.8
4344.8	10000	38.3733	94.7447	-409	PP	4.1	2	7.8	-1	1.1	0	0.531	2	3.749	1	7.061	-1	2141	43	1.8
4344.7	10000	38.3733	94.7439	-405	PP	4.2	2	7.9	-1	1.2	0	0.525	2	3.592	1	6.837	-1	2167	47	1.8
4344.6	10000	38.3733	94.7431	-398	PP	4.0	1	8.5	0	1.2	1	0.472	1	3.248	0	6.883	-1	2210	47	1.8
4344.5	10000	38.3733	94.7423	-399	PP	4.2	2	9.1	0	1.3	1	0.456	1	3.193	0	6.994	-1	2257	48	1.8
4344.4	10000	38.3733	94.7415	-406	PP	4.1	1	9.4	0	1.3	1	0.435	1	3.268	0	7.520	-1	2265	46	1.8
4344.3	10000	38.3732	94.7407	-407	QAL	4.1	2	9.3	0	1.3	1	0.441	2	3.075	1	6.977	0	2295	55	1.8
4344.2	10000	38.3732	94.7399	-406	QAL	4.1	2	10.0	1	1.3	0	0.412	1	3.067	1	7.446	0	2318	40	1.8
4344.1	10000	38.3732	94.7391	-404	QAL	4.2	2	10.5	1	1.4	0	0.402	1	3.075	1	7.640	0	2343	53	1.8
4344.0	10000	38.3732	94.7383	-404	QAL	4.5	3	10.9	1	1.3	0	0.412	1	3.370	1	8.184	0	2352	56	1.7
4343.9	10000	38.3732	94.7375	-406	QAL	4.5	3	10.6	1	1.3	0	0.426	1	3.427	1	8.041	0	2343	47	1.7
4343.8	10000	38.3732	94.7367	-407	QAL	4.4	3	10.7	1	1.4	0	0.416	1	3.185	1	7.655	0	2353	48	1.7
4343.7	10000	38.3732	94.7359	-407	QAL	4.2	2	10.8	1	1.5	1	0.389	1	2.863	0	7.353	0	2344	49	1.7
4343.6	10000	38.3732	94.7351	-406	QAL	4.2	2	10.4	1	1.4	1	0.405	1	2.955	0	7.298	0	2337	52	1.7
4343.5	10000	38.3732	94.7343	-406	QAL	4.2	2	10.7	1	1.5	1	0.390	1	2.864	0	7.349	0	2344	35	1.7
4343.4	10000	38.3731	94.7335	-407	QAL	4.0	2	10.4	1	1.4	1	0.385	1	2.822	0	7.324	0	2325	46	1.7
4343.3	10000	38.3731	94.7327	-406	QAL	3.7	1	10.0	1	1.4	1	0.365	1	2.627	0	7.187	0	2303	40	1.7
4343.2	10000	38.3731	94.7319	-406	QAL	3.7	1	10.2	1	1.4	0	0.357	1	2.654	0	7.436	0	2272	40	1.7
4343.1	10000	38.3731	94.7311	-406	QAL	3.7	1	10.0	1	1.3	0	0.374	1	2.912	1	7.797	0	2232	51	1.7
4343.0	10000	38.3731	94.7303	-406	QAL	3.7	1	9.7	0	1.2	0	0.384	1	3.001	1	7.809	0	2217	50	1.7
4342.9	10000	38.3731	94.7295	-406	QAL	3.6	1	9.8	0	1.3	0	0.369	1	2.858	0	7.746	0	2192	35	1.7
4342.8	10000	38.3731	94.7287	-406	QAL	3.7	1	9.6	0	1.2	0	0.390	1	3.040	1	7.793	0	2149	41	1.7
4342.7	10000	38.3731	94.7279	-407	QAL	3.5	1	9.7	0	1.2	0	0.366	1	2.903	1	7.937	0	2107	39	1.6
4342.6	10000	38.3731	94.7271	-408	QAL	3.6	1	9.5	0	1.2	0	0.379	1	3.008	1	7.942	0	2076	34	1.6
4342.5	10000	38.3730	94.7263	-409	PKC	3.6	1	9.5	0	1.2	0	0.384	1	3.113	1	8.100	0	2059	42	1.6
4342.4	10000	38.3730	94.7255	-409	PKC	3.7	1	9.0	0	1.1	0	0.410	1	3.213	1	7.835	0	2031	49	1.6
4342.3	10000	38.3730	94.7247	-410	PKC	3.8	1	8.9	0	1.1	0	0.422	1	3.274	1	7.765	0	2015	48	1.6
4342.2	10000	38.3730	94.7239	-410	PKC	3.7	1	8.8	0	1.1	0	0.424	1	3.538	1	8.340	0	1966	33	1.6
4342.1	10000	38.3730	94.7231	-410	PKC	3.4	1	8.8	-1	1.0	-1	0.387	1	3.244	0	8.388	0	1939	43	1.6
4342.0	10000	38.3730	94.7223	-411	PKC	3.4	1	8.7	-1	1.0	-1	0.424	1	3.444	1	8.119	0	1907	45	1.6
4341.9	10000	38.3730	94.7215	-412	PKC	3.5	1	8.0	-1	1.0	-1	0.439	1	3.618	1	8.236	0	1870	44	1.6
4341.8	10000	38.3730	94.7207	-412	PKC	3.3	1	7.9	-1	1.0	-1	0.424	1	3.326	1	7.733	0	1842	46	1.6
4341.7	10000	38.3729	94.7199	-413	PKC	3.4	1	7.9	-1	1.0	-1	0.430	1	3.523	1	8.065	0	1827	38	1.6
4341.6	10000	38.3729	94.7191	-414	PKC	3.3	1	7.8	-2	1.0	-1	0.437	1	3.679	1	7.864	0	1813	55	1.6
4341.5	10000	38.3729	94.7183	-415	PKC	3.3	1	7.7	-2	1.0	-1	0.468	1	3.655	1	7.617	0	1827	50	1.6
4341.4	10000	38.3729	94.7175	-416	PKC	3.3	1	7.7	-1	1.0	-1	0.480	1	3.094	1	8.856	-1	1844	47	1.6
4341.3	10000	38.3729	94.7167	-416	PKC	3.4	1	7.8	-1	1.0	-1	0.521	1	4.045	1	7.937	0	1895	43	1.6
4341.2	10000	38.3729	94.7159	-417	PKC	3.5	1	7.7	-1	1.0	-1	0.510	1	3.849	1	7.635	0	1962	43	1.6
4341.1	10000	38.3729	94.7151	-418	PKC	3.5	1	7.8	-1	1.0	-1	0.504	1	4.237	1	7.995	0	2027	45	1.6
4341.0	10000	38.3729	94.7142	-419	PKC	3.5	1	7.8	-1	1.0	-1	0.530	1	3.978	1	8.085	0	2085	47	1.6
4340.9	10000	38.3729	94.7135	-421	PKC	3.3	1	7.8	-1	1.0	-1	0.492	1	3.813	1	8.313	0	2153	57	1.6
4340.8	10000	38.3728	94.7126	-422	PKC	3.4	1	7.8	-1	1.0	-1	0.459	1	3.449	1	8.352	0	2256	49	1.6
4340.7	10000	38.3728	94.7119	-423	PKC	3.4	1	7.8	-1	1.0	-1	0.413	1	3.243	1	8.274	0	2306	44	1.6
4340.6	10000	38.3728	94.7110	-424	PKC	3.4	1	7.8	-1	1.0	-1	0.392	1	3.463	1	8.391	0	2347	48	1.6
4340.5	10000	38.3728	94.7103	-425	PKC	3.4	1	7.8	-1	1.0	-1	0.431	1	3.826	1	8.879	0	2386	38	1.6
4340.4	10000	38.3728	94.7094	-427	PKC	3.4	1	7.8	-1	1.0	-1	0.408	1	3.614	1	8.865	0	2412	45	1.6
4340.3	10000	38.3728	94.7086	-428	PKC	3.4	1	7.8	-1	1.0	-1	0.397	1	3.460	1	8.717	0	2447	45	1.6
4340.2	10000	38.3728	94.7078	-429	PKC	3.4	1	7.8	-1	1.0	-1	0.426	1	3.863	1	9.064	0	2448	31	1.6
4340.1	10000	38.3728	94.7070	-429	PKC	3.4	1	7.8	-1	1.0	-1	0.433	1	3.721	1	8.574	0	2442	34	1.6
4340.0	10000	38.3727	94.7062	-431	PKC	3.4	1	7.8	-1	1.0	-1	0.435	1	3.756	1	8.257	0	2425	47	1.6
4339.9	10000	38.3727	94.7054	-431	PKC	3.4	1	7.8	-1	1.0	-1	0.436	1	3.582	1	8.561	0	2416	53	1.6
4339.8	10000	38.3727	94.7046	-432	PKC	3.4	1	7.8	-1	1.0	-1	0.489	2	3.374	2	8.510	0	2382	46	1.6

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4339.7	10000	38.3727	94.7038	-433	PKC	5.2	3	10.2	1	1.1	0	0.506	2	4.787	3	9.462	1	2339	55	1.6
4339.6	10000	38.3727	94.7030	-434	PKC	5.1	3	9.5	1	1.1	0	0.534	2	4.797	3	8.986	1	2280	53	1.6
4339.5	10000	38.3727	94.7022	-435	PKC	4.9	3	9.4	0	1.0	0	0.522	2	4.677	2	8.965	0	2232	57	1.6
4339.4	10000	38.3727	94.7014	-435	PKC	4.5	2	9.5	-1	1.0	-1	0.475	1	4.340	2	9.132	1	2174	50	1.6
4339.3	10000	38.3727	94.7006	-436	PKC	4.2	1	9.4	-1	1.0	-1	0.450	1	4.091	2	9.095	1	2105	54	1.6
4339.2	10000	38.3727	94.6998	-437	PKC	3.8	1	8.8	-1	1.0	-1	0.437	1	4.049	2	9.272	1	2030	42	1.6
4339.1	10000	38.3727	94.6990	-437	PKC	3.8	1	8.9	-1	1.0	-1	0.423	1	4.001	1	9.448	1	1970	46	1.6
4339.0	10000	38.3727	94.6982	-437	PKC	3.6	1	8.7	-1	1.0	-1	0.411	1	3.955	1	9.623	1	1923	41	1.6
4338.9	10000	38.3726	94.6974	-437	PKC	3.5	1	8.4	-2	1.0	-2	0.423	1	4.179	2	9.890	1	1874	49	1.6
4338.8	10000	38.3726	94.6966	-437	PKC	3.4	1	8.4	-2	1.0	-2	0.403	1	4.156	2	10.303	2	1828	41	1.7
4338.7	10000	38.3726	94.6958	-437	PKC	3.4	1	8.3	-2	1.0	-2	0.413	1	4.320	2	10.461	2	1793	29	1.7
4338.6	10000	38.3726	94.6950	-437	PKC	3.4	1	8.1	-2	1.0	-2	0.410	1	4.300	2	10.485	2	1784	53	1.7
4338.5	10000	38.3726	94.6942	-438	PKC	3.3	1	8.1	-2	1.0	-2	0.410	1	4.127	2	10.074	1	1774	40	1.7
4338.4	10000	38.3726	94.6934	-439	PKC	3.1	1	8.1	-2	1.0	-2	0.379	1	3.858	1	10.179	1	1774	38	1.7
4338.3	10000	38.3726	94.6926	-439	PKC	2.9	1	8.4	-2	1.0	-2	0.351	1	3.533	1	10.081	1	1784	43	1.7
4338.2	10000	38.3726	94.6918	-438	PKC	2.9	1	8.1	-2	1.0	-2	0.321	1	3.409	1	10.621	2	1799	40	1.7
4338.1	10000	38.3726	94.6910	-438	PKC	3.0	1	9.0	-1	1.0	-1	0.337	0	3.336	1	9.910	1	1810	45	1.7
4338.0	10000	38.3726	94.6902	-438	PKC	3.0	1	9.1	-1	1.0	-1	0.332	0	3.302	1	9.947	1	1827	43	1.7
4337.9	10000	38.3726	94.6894	-437	PKC	2.8	1	9.0	-1	1.0	-1	0.313	-1	3.061	1	9.780	1	1829	42	1.7
4337.8	10000	38.3725	94.6886	-437	PKC	2.7	1	9.3	-1	1.0	-1	0.286	-1	2.869	1	10.027	1	1844	45	1.7
4337.7	10000	38.3725	94.6878	-437	PKC	2.9	1	9.1	-1	1.0	-1	0.316	-1	2.987	1	9.452	1	1851	37	1.7
4337.6	10000	38.3725	94.6870	-437	PKC	3.1	1	9.0	-1	1.0	-1	0.348	0	3.237	1	9.290	1	1869	52	1.7
4337.5	10000	38.3725	94.6862	-436	PKC	3.1	1	8.9	-1	1.0	-1	0.354	0	3.216	0	9.081	1	1879	43	1.7
4337.4	10000	38.3725	94.6854	-435	PKC	3.2	1	8.8	-1	1.0	-1	0.350	0	3.153	0	9.002	1	1920	42	1.7
4337.3	10000	38.3725	94.6846	-435	PKC	3.2	1	8.8	-1	1.1	0	0.387	0	3.274	1	8.452	0	1955	44	1.8
4337.2	10000	38.3725	94.6838	-434	PKC	3.4	1	8.9	-1	1.1	0	0.419	1	3.480	1	8.298	0	2008	43	1.8
4337.1	10000	38.3725	94.6830	-434	PKC	4.1	2	8.8	-1	1.1	0	0.469	1	3.753	1	8.005	0	2061	37	1.8
4337.0	10000	38.3725	94.6821	-433	PKC	4.2	2	8.7	-1	1.1	0	0.485	2	4.131	2	8.516	0	2080	43	1.8
4336.9	10000	38.3725	94.6814	-433	PKC	4.2	2	8.7	-1	1.1	0	0.463	1	4.111	2	8.872	0	2094	48	1.8
4336.8	10000	38.3725	94.6805	-433	PKC	4.4	2	8.8	-1	1.1	0	0.482	2	4.167	2	8.648	0	2126	42	1.8
4336.7	10000	38.3725	94.6797	-432	PKC	4.3	2	8.8	-1	1.1	0	0.471	2	4.295	2	9.109	0	2135	42	1.8
4336.6	10000	38.3725	94.6789	-431	PKC	4.0	2	8.8	-1	1.1	0	0.437	1	3.832	1	8.776	0	2131	56	1.8
4336.5	10000	38.3724	94.6781	-430	PKC	4.1	2	8.8	-1	1.1	0	0.463	1	3.954	1	8.532	0	2116	49	1.8
4336.4	10000	38.3724	94.6773	-429	PKC	4.1	2	8.8	-1	1.1	0	0.465	1	3.784	1	8.144	0	2087	38	1.8
4336.3	10000	38.3724	94.6765	-429	PKC	4.2	2	8.8	-1	1.1	0	0.490	1	3.775	1	7.699	-1	2089	37	1.8
4336.2	10000	38.3724	94.6757	-427	PKC	4.3	2	8.8	-1	1.1	0	0.536	2	4.035	2	7.532	-1	2080	50	1.8
4336.1	10000	38.3724	94.6749	-427	PKC	4.3	2	8.8	-1	1.1	0	0.553	2	3.987	2	7.210	-1	2069	41	1.8
4336.0	10000	38.3724	94.6741	-427	PKC	4.2	2	8.8	-1	1.1	0	0.584	2	3.791	2	6.487	-1	2051	53	1.8
4335.9	10000	38.3724	94.6733	-427	PKC	4.3	2	8.8	-1	1.1	0	0.595	2	4.038	2	6.789	-1	2048	52	1.8
4335.8	10000	38.3724	94.6725	-427	PKC	4.3	2	8.8	-1	1.1	0	0.576	2	4.050	2	7.027	-1	2051	52	1.8
4335.7	10000	38.3724	94.6717	-426	PP	4.2	2	8.8	-1	1.1	0	0.564	2	4.110	2	7.288	-1	2063	56	1.8
4335.6	10000	38.3724	94.6709	-425	PP	4.3	2	8.8	-1	1.1	0	0.489	1	3.529	1	7.220	-1	2080	39	1.8
4335.5	10000	38.3724	94.6701	-425	PP	4.3	2	8.8	-1	1.1	0	0.484	1	3.262	1	6.743	-1	2094	55	1.8
4335.4	10000	38.3724	94.6693	-424	PP	4.3	2	8.8	-1	1.1	0	0.450	1	3.082	1	6.842	-1	2111	55	1.8
4335.3	10000	38.3724	94.6685	-423	PP	4.3	2	8.8	-1	1.1	0	0.419	1	3.030	1	7.237	-1	2150	45	1.8
4335.2	10000	38.3723	94.6677	-422	PP	4.3	2	8.8	-1	1.1	0	0.425	1	3.205	1	7.548	-1	2177	55	1.8
4335.1	10000	38.3723	94.6669	-421	PP	4.3	2	8.8	-1	1.1	0	0.397	1	2.929	1	7.384	-1	2194	55	1.8
4335.0	10000	38.3723	94.6661	-421	PP	4.3	2	8.8	-1	1.1	0	0.411	1	3.045	1	7.401	-1	2230	41	1.8
4334.9	10000	38.3723	94.6653	-420	PP	4.3	2	8.8	-1	1.1	0	0.418	1	3.131	1	7.497	-1	2248	51	1.8
4334.8	10000	38.3723	94.6644	-419	PP	4.3	2	8.8	-1	1.1	0	0.411	1	3.196	1	7.783	-1	2290	25	1.8
4334.7	10000	38.3723	94.6636	-419	PP	4.3	2	8.8	-1	1.1	0	0.440	1	3.493	1	7.947	-1	2313	54	1.8
4334.6	10000	38.3723	94.6628	-418	PP	4.4	2	8.8	-1	1.2	0	0.453	1	3.552	1	7.834	-1	2308	34	1.8

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4334.5	10000	38.3723	94.6620	-417	QAL	4.0	2	9.3	0	1.2	0	0.428	1	3.222	1	7.535	0	2276	54	1.9
4334.4	10000	38.3723	94.6612	-416	QAL	3.7	1	8.9	0	1.2	0	0.419	1	3.131	1	7.471	0	2192	44	1.9
4334.3	10000	38.3723	94.6604	-415	QAL	3.5	1	8.1	-1	1.1	-1	0.428	1	3.200	1	7.475	0	2012	37	1.9
4334.2	10000	38.3723	94.6596	-414	QAL	3.0	0	7.0	-2	0.9	-1	0.430	1	3.204	1	7.452	0	1788	53	1.9
4334.1	10000	38.3723	94.6588	-414	WATER	2.4	999	5.6	999	0.8	999	0.432	999	3.196	999	7.405	999	1517	44	1.9
4334.0	10000	38.3723	94.6580	-413	WATER	1.9	999	4.4	999	0.6	999	0.431	999	3.202	999	7.433	999	1251	43	1.9
4333.9	10000	38.3722	94.6572	-413	WATER	1.5	999	3.1	999	0.4	999	0.475	999	3.769	999	7.939	999	998	51	1.9
4333.8	10000	38.3722	94.6564	-412	WATER	1.3	999	1.8	999	0.2	999	0.722	999	5.845	999	8.094	999	772	54	1.9
4333.7	10100	38.3722	94.6556	-412	WATER	1.3	999	1.1	999	0.1	999	1.224	999	0.000	999	0.000	999	608	49	1.9
4333.6	10101	38.3722	94.6548	-412	WATER	1.1	999	0.6	999	0.1	999	0.000	999	0.000	999	0.000	999	518	40	1.9
4333.5	10101	38.3722	94.6540	-412	WATER	1.1	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	481	43	1.9
4333.4	10101	38.3722	94.6532	-412	WATER	1.2	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	459	42	2.0
4333.3	10101	38.3722	94.6524	-413	WATER	1.2	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	451	54	2.0
4333.2	10101	38.3722	94.6516	-413	WATER	1.0	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	440	43	2.0
4333.1	10101	38.3722	94.6508	-414	WATER	1.1	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	438	48	2.0
4333.0	10101	38.3722	94.6500	-415	WATER	1.1	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	437	44	2.0
4332.9	10101	38.3722	94.6492	-415	WATER	1.0	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	438	37	2.0
4332.8	10101	38.3722	94.6483	-416	WATER	1.1	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	446	44	2.0
4332.7	10101	38.3722	94.6476	-417	PP	1.0	-4	0.6	-7	0.1	-6	0.000	-4	0.000	-4	0.000	-6	475	42	2.0
4332.6	10101	38.3721	94.6467	-417	PP	0.9	-5	0.7	-7	0.1	-6	0.000	-4	0.000	-4	0.000	-6	499	42	2.0
4332.5	10101	38.3721	94.6459	-418	PP	1.1	-4	0.6	-7	0.1	-6	0.000	-4	0.000	-4	0.000	-6	524	32	2.0
4332.4	10100	38.3721	94.6451	-419	PP	1.1	-4	0.9	-7	0.1	-6	1.138	8	0.000	-4	0.000	-6	546	47	2.0
4332.3	10000	38.3721	94.6443	-420	PP	1.0	-4	1.2	-6	0.1	-6	0.864	5	7.554	6	8.740	0	601	52	2.0
4332.2	10000	38.3721	94.6435	-421	PP	1.3	-4	1.8	-6	0.2	-5	0.732	4	6.784	5	9.268	1	695	48	2.0
4332.1	10000	38.3721	94.6427	-421	PP	1.4	-4	2.5	-5	0.2	-5	0.566	2	5.741	4	10.136	1	818	45	2.0
4332.0	10000	38.3721	94.6419	-422	PP	1.8	-3	3.6	-4	0.3	-5	0.498	1	5.617	4	11.269	2	979	55	2.0
4331.9	10000	38.3721	94.6411	-422	PP	2.4	-2	4.4	-4	0.4	-4	0.548	2	5.651	4	10.306	2	1141	30	2.0
4331.8	10000	38.3721	94.6403	-422	PP	2.9	-2	5.2	-3	0.5	-4	0.548	2	5.232	3	9.919	1	1325	39	2.0
4331.7	10000	38.3721	94.6395	-422	PP	3.2	-1	5.7	-3	0.5	-4	0.561	2	5.808	4	9.353	1	1494	50	2.0
4331.6	10000	38.3721	94.6387	-422	PP	3.4	-1	6.2	-3	0.6	-4	0.548	2	5.522	4	9.362	1	1619	55	2.0
4331.5	10000	38.3721	94.6379	-422	PP	3.6	-1	6.5	-3	0.6	-4	0.548	2	5.220	4	9.722	1	1699	49	2.0
4331.4	10000	38.3721	94.6371	-422	PP	3.7	-1	6.8	-3	0.6	-4	0.548	2	5.535	4	9.838	1	1717	46	2.0
4331.3	10000	38.3720	94.6363	-422	PP	3.8	-1	7.0	-3	0.6	-4	0.548	2	5.511	4	9.428	1	1660	39	2.0
4331.2	10000	38.3720	94.6355	-421	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.284	4	9.723	1	1599	41	2.0
4331.1	10000	38.3720	94.6347	-421	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.700	4	9.532	1	1554	45	2.0
4331.0	10000	38.3720	94.6339	-421	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.539	4	9.727	1	1557	51	2.0
4330.9	10000	38.3720	94.6331	-421	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.684	4	9.352	1	1594	47	2.0
4330.8	10000	38.3720	94.6323	-420	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.502	4	9.772	1	1647	47	2.0
4330.7	10000	38.3720	94.6315	-419	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.359	4	9.822	1	1741	42	2.0
4330.6	10000	38.3720	94.6306	-418	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.397	4	9.845	1	1846	44	2.0
4330.5	10000	38.3720	94.6298	-417	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.455	4	9.737	1	1951	32	2.0
4330.4	10000	38.3720	94.6290	-416	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.582	4	9.654	1	2011	47	2.0
4330.3	10000	38.3720	94.6282	-414	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.620	4	9.718	1	2023	42	2.0
4330.2	10000	38.3720	94.6274	-413	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.727	4	9.822	1	2002	44	2.0
4330.1	10000	38.3720	94.6266	-412	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.541	4	9.870	1	1980	42	2.0
4330.0	10000	38.3719	94.6258	-410	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.496	4	9.495	1	1942	42	2.0
4329.9	10000	38.3719	94.6250	-408	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.411	4	9.405	1	1922	43	2.0
4329.8	10000	38.3719	94.6242	-406	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.406	4	9.258	1	1908	45	2.0
4329.7	10000	38.3719	94.6234	-404	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.384	4	9.251	1	1887	33	2.0
4329.6	10000	38.3719	94.6226	-402	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.370	4	9.411	1	1891	44	2.0
4329.5	10000	38.3719	94.6218	-400	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.347	4	9.209	1	1900	37	2.0
4329.4	10000	38.3719	94.6210	-398	PP	3.8	-1	7.1	-3	0.6	-4	0.548	2	5.369	4	9.009	1	1900	37	2.0

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4329.3	10000	38.3719	94.6202	-396	PP	2.9	-1	8.5	0	0.9	-1	0.340	0	3.158	0	9.274	1	1900	43	2.0
4329.2	10000	38.3719	94.6194	-394	PP	2.7	-1	8.3	-1	0.9	-1	0.329	0	3.034	0	9.217	1	1890	50	2.1
4329.1	10000	38.3719	94.6186	-392	PP	2.7	-1	8.7	0	0.9	-1	0.315	-1	2.989	0	9.479	1	1898	34	2.1
4329.0	10000	38.3719	94.6178	-389	PP	2.8	-1	8.7	0	0.9	-1	0.318	-1	2.988	0	9.396	1	1908	42	2.1
4328.9	10000	38.3719	94.6170	-387	PP	2.9	-1	8.8	0	1.0	-1	0.325	-1	2.968	0	9.126	1	1935	39	2.1
4328.8	10000	38.3718	94.6162	-384	PP	2.9	-1	9.3	0	1.0	-1	0.310	-1	2.851	0	9.184	1	1953	59	2.1
4328.7	10000	38.3718	94.6154	-382	PP	2.9	-1	9.4	0	1.0	-1	0.310	-1	2.923	0	9.430	1	1975	45	2.1
4328.6	10000	38.3718	94.6145	-380	PP	3.1	0	9.5	0	1.1	0	0.330	0	2.961	0	8.981	1	2013	56	2.1
4328.5	10000	38.3718	94.6138	-377	PP	3.3	0	9.7	0	1.2	0	0.339	0	2.803	0	8.266	0	2057	50	2.1
4328.4	10000	38.3718	94.6129	-375	PP	3.4	0	9.6	0	1.2	0	0.359	0	2.861	0	7.961	0	2094	52	2.1
4328.3	10000	38.3718	94.6121	-373	PP	3.4	0	9.6	0	1.3	1	0.351	0	2.651	-1	7.553	-1	2125	40	2.1
4328.2	10000	38.3718	94.6113	-370	PP	3.3	0	9.7	0	1.3	1	0.345	0	2.582	-1	7.482	-1	2158	39	2.1
4328.1	10000	38.3718	94.6105	-368	PP	3.4	0	9.4	0	1.3	1	0.364	0	2.682	-1	7.360	-1	2182	44	2.1
4328.0	10000	38.3718	94.6097	-366	PP	3.5	0	8.8	0	1.3	1	0.401	0	2.664	-1	6.648	-1	2195	43	2.1
4327.9	10000	38.3718	94.6089	-365	PP	3.4	0	8.9	0	1.3	1	0.384	0	2.581	-1	6.717	-1	2213	52	2.1
4327.8	10000	38.3718	94.6081	-363	PP	3.7	1	8.8	0	1.2	1	0.427	1	3.008	1	7.041	-1	2238	44	2.1
4327.7	10000	38.3718	94.6073	-361	PP	3.8	1	8.8	0	1.3	1	0.430	1	2.947	0	6.858	-1	2262	44	2.1
4327.6	10000	38.3717	94.6065	-359	PP	4.1	2	8.8	0	1.2	1	0.467	1	3.372	0	7.213	-1	2311	38	2.1
4327.5	10000	38.3717	94.6057	-357	PP	4.2	2	9.3	0	1.3	1	0.448	1	3.302	0	7.365	-1	2365	40	2.1
4327.4	10000	38.3717	94.6049	-355	PP	4.4	2	9.8	0	1.3	1	0.447	1	3.322	0	7.439	-1	2446	37	2.1
4327.3	10000	38.3717	94.6041	-354	PP	4.4	2	10.6	0	1.4	1	0.415	0	3.264	0	7.868	0	2505	46	2.1
4327.2	10000	38.3717	94.6033	-352	PP	4.8	3	10.3	0	1.4	1	0.466	1	3.539	1	7.589	-1	2556	56	2.2
4327.1	10000	38.3717	94.6025	-351	PP	4.7	3	10.8	0	1.4	2	0.438	1	3.334	0	7.615	-1	2622	46	2.2
4327.0	10000	38.3717	94.6017	-350	PP	4.9	3	10.8	0	1.5	2	0.451	1	3.324	0	7.377	-1	2699	53	2.2
4326.9	10000	38.3717	94.6009	-349	PP	4.7	3	10.9	0	1.6	2	0.429	1	2.927	0	6.816	-1	2730	49	2.2
4326.8	10000	38.3717	94.6001	-348	PP	5.2	4	10.5	0	1.6	2	0.495	1	3.196	0	6.459	-1	2739	45	2.2
4326.7	10000	38.3717	94.5993	-347	PP	5.3	4	10.5	0	1.6	2	0.518	2	3.296	0	6.362	-1	2713	37	2.2
4326.6	10000	38.3717	94.5985	-345	PP	5.3	4	10.5	0	1.6	2	0.505	1	3.327	0	6.593	-1	2703	48	2.2
4326.5	10000	38.3717	94.5977	-344	PP	5.0	3	10.8	0	1.5	2	0.461	1	3.177	0	6.889	-1	2664	51	2.2
4326.4	10000	38.3717	94.5968	-344	PP	4.5	2	10.8	0	1.4	2	0.415	0	2.926	0	7.047	-1	2593	51	2.2
4326.3	10000	38.3717	94.5961	-343	PP	4.0	2	10.8	0	1.3	2	0.370	0	2.659	0	7.194	-1	2515	52	2.2
4326.2	10000	38.3716	94.5952	-342	PP	4.0	2	11.1	0	1.3	2	0.355	0	2.774	0	7.823	0	2455	50	2.2
4326.1	10000	38.3716	94.5944	-341	PP	4.3	3	11.1	0	1.4	2	0.392	0	3.015	0	7.994	0	2405	43	2.2
4326.0	10000	38.3716	94.5936	-341	PP	4.3	3	11.1	0	1.4	2	0.389	0	3.015	0	7.485	0	2358	45	2.2
4325.9	10000	38.3716	94.5928	-340	PP	4.3	3	10.8	0	1.4	2	0.373	0	2.907	0	7.508	0	2308	37	2.2
4325.8	10000	38.3716	94.5920	-339	PP	4.0	2	10.6	0	1.3	2	0.507	0	3.691	0	7.301	0	2280	42	2.2
4325.7	10000	38.3716	94.5912	-339	PP	3.8	2	10.5	0	1.3	2	0.475	0	3.440	0	7.195	0	2241	43	2.2
4325.6	10000	38.3716	94.5904	-338	PP	3.8	2	10.5	0	1.3	2	0.440	0	3.204	0	7.322	0	2222	46	2.2
4325.5	10000	38.3716	94.5896	-338	PP	3.8	2	10.5	0	1.3	2	0.296	0	3.361	0	7.392	0	2194	41	2.2
4325.4	10000	38.3716	94.5888	-338	PP	3.8	2	10.5	0	1.3	2	0.361	0	3.444	0	7.776	0	2161	49	2.2
4325.3	10000	38.3716	94.5880	-337	PP	3.8	2	10.5	0	1.3	2	0.509	0	3.806	0	7.877	0	2164	56	2.2
4325.2	10000	38.3716	94.5872	-337	PP	3.8	2	10.5	0	1.3	2	0.950	0	3.094	0	7.596	0	2159	57	2.2
4325.1	10000	38.3716	94.5864	-336	PP	3.8	2	10.5	0	1.3	2	0.954	0	3.054	0	7.291	0	2161	42	2.2
4325.0	10000	38.3715	94.5856	-336	PP	3.8	2	10.5	0	1.3	2	0.926	0	2.969	0	7.577	0	2163	34	2.2
4324.9	10000	38.3715	94.5848	-335	PP	3.8	2	10.5	0	1.3	2	0.973	0	2.973	0	7.641	0	2143	45	2.2
4324.8	10000	38.3715	94.5840	-335	PP	3.8	2	10.5	0	1.3	2	0.973	0	2.973	0	7.469	0	2130	48	2.2
4324.7	10000	38.3715	94.5832	-335	PP	3.8	2	10.5	0	1.3	2	0.973	0	2.973	0	7.932	0	2108	50	2.2
4324.6	10000	38.3715	94.5824	-335	PP	3.8	2	10.5	0	1.3	2	0.973	0	2.973	0	7.681	0	2073	52	2.2
4324.5	10000	38.3715	94.5816	-335	PP	3.8	2	10.5	0	1.3	2	0.973	0	2.973	0	7.199	0	2066	55	2.2
4324.4	10000	38.3715	94.5808	-336	PP	3.8	2	10.5	0	1.3	2	0.973	0	2.973	0	7.717	0	2050	39	2.2
4324.3	10000	38.3715	94.5799	-336	PP	3.8	2	10.5	0	1.3	2	0.973	0	2.973	0	7.768	0	2036	41	2.2
4324.2	10000	38.3715	94.5791	-337	PP	3.8	2	10.5	0	1.3	2	0.973	0	2.973	0	7.581	0	2037	41	2.3

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4324.1	10000	38.3715	94.5783	-337	PP	3.0	-1	10.3	1	0.9	-1	0.294	-1	3.223	0	10.979	2	2027	37	2.3
4324.0	10000	38.3716	94.5775	-337	PP	3.3	0	9.7	1	1.0	-1	0.335	0	3.422	1	10.212	1	2035	53	2.3
4323.9	10000	38.3716	94.5767	-338	PP	3.3	0	9.9	1	1.0	-1	0.333	0	3.352	0	10.063	1	2036	46	2.3
4323.8	10000	38.3716	94.5759	-338	PP	3.5	0	9.5	0	1.0	-1	0.371	0	3.509	1	9.458	1	2024	43	2.3
4323.7	10000	38.3716	94.5751	-337	PP	3.5	0	9.0	0	1.0	-1	0.392	0	3.478	1	8.867	0	2014	39	2.3
4323.6	10000	38.3716	94.5742	-337	PP	3.4	0	9.1	0	1.0	-1	0.372	0	3.300	0	8.873	0	2004	56	2.3
4323.5	10000	38.3716	94.5734	-340	PP	3.2	0	9.3	0	1.0	-1	0.344	0	3.314	0	9.646	1	1986	56	2.3
4323.4	10000	38.3716	94.5726	-341	PP	3.0	-1	9.1	0	1.0	-1	0.329	0	3.007	0	9.149	1	1975	35	2.3
4323.3	10000	38.3717	94.5718	-342	PP	2.8	-1	9.1	0	1.0	-1	0.306	-1	2.828	0	9.244	1	1962	52	2.3
4323.2	10000	38.3717	94.5710	-342	PP	2.6	-1	9.2	0	1.0	-1	0.285	-1	2.703	0	9.487	1	1952	40	2.3
4323.1	10000	38.3717	94.5702	-343	PP	2.5	-1	9.9	1	1.0	-1	0.250	-1	2.550	-1	10.222	1	1955	48	2.3
4323.0	10000	38.3717	94.5694	-343	PP	2.4	-1	9.9	1	1.0	-1	0.243	-1	2.516	-1	10.354	2	1959	51	2.3
4322.9	10000	38.3717	94.5685	-344	PP	2.6	-1	9.9	1	1.0	-1	0.258	-1	2.623	-1	10.160	1	1975	40	2.3
4322.8	10000	38.3717	94.5677	-344	PP	2.8	-1	9.9	1	1.0	-1	0.278	-1	2.694	-1	9.682	1	2013	54	2.4
4322.7	10000	38.3717	94.5669	-344	PP	2.7	-1	10.0	1	1.0	0	0.266	-1	2.541	-1	9.565	1	2053	36	2.4
4322.6	10000	38.3718	94.5661	-345	PP	2.6	-1	10.4	1	1.1	0	0.248	-1	2.291	-1	9.239	1	2113	44	2.4
4322.5	10000	38.3718	94.5653	-345	PP	2.8	-1	10.7	1	1.2	1	0.262	-1	2.291	-1	8.729	0	2175	47	2.4
4322.4	10000	38.3718	94.5645	-345	PP	2.7	-1	10.8	1	1.3	1	0.254	-1	2.131	-1	8.383	0	2223	53	2.4
4322.3	10000	38.3718	94.5637	-346	PP	2.8	-1	10.7	1	1.4	2	0.264	-1	2.013	-1	7.632	0	2284	29	2.4
4322.2	10000	38.3718	94.5628	-345	PP	2.6	-1	10.7	1	1.5	2	0.241	-1	1.749	-2	7.266	-1	2317	53	2.4
4322.1	10000	38.3718	94.5620	-345	PP	2.4	-2	11.0	2	1.6	3	0.215	-2	1.513	-2	7.038	-1	2330	45	2.4
4322.0	10000	38.3718	94.5612	-346	PP	2.3	-2	11.1	2	1.5	2	0.204	-2	1.480	-2	7.262	-1	2314	45	2.4
4321.9	10000	38.3719	94.5604	-348	PP	2.5	-2	10.7	1	1.5	2	0.236	-2	1.701	-2	7.192	-1	2266	34	2.4
4321.8	10000	38.3719	94.5596	-348	PP	2.4	-2	10.1	1	1.4	2	0.239	-1	1.718	-2	7.195	-1	2209	39	2.3
4321.7	10000	38.3719	94.5588	-349	PP	2.5	-2	9.2	1	1.4	2	0.273	-1	1.740	-2	6.377	-1	2183	41	2.3
4321.6	10000	38.3719	94.5580	-350	PP	2.5	-1	9.1	0	1.3	1	0.280	-1	1.902	-2	6.796	-1	2149	53	2.3
4321.5	10000	38.3719	94.5571	-351	PP	2.8	-1	8.9	0	1.3	1	0.315	-1	2.191	-1	6.951	-1	2124	50	2.3
4321.4	10000	38.3719	94.5563	-352	PM	3.1	0	8.6	-1	1.2	1	0.363	0	2.669	-1	7.357	-1	2097	36	2.3
4321.3	10000	38.3720	94.5555	-353	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.822	-1	7.207	-1	2110	45	2.3
4321.2	10000	38.3720	94.5547	-354	PM	3.2	0	8.6	-1	1.2	1	0.372	0	2.747	-1	7.560	-1	2122	49	2.3
4321.1	10000	38.3720	94.5539	-356	PM	3.2	0	8.6	-1	1.2	1	0.365	0	2.613	-1	7.781	-1	2123	45	2.3
4321.0	10000	38.3720	94.5531	-357	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.857	-1	7.167	-1	2111	49	2.3
4320.9	10000	38.3720	94.5522	-358	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.868	-1	7.607	-1	2089	41	2.3
4320.8	10000	38.3720	94.5514	-361	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.213	-1	7.120	-1	2099	48	2.3
4320.7	10000	38.3720	94.5506	-362	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.004	-1	7.970	-1	2094	44	2.3
4320.6	10000	38.3721	94.5498	-364	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.058	-1	8.398	-1	2076	48	2.3
4320.5	10000	38.3721	94.5490	-366	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.238	-1	8.457	-1	2066	48	2.3
4320.4	10000	38.3721	94.5482	-368	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.362	-1	8.813	-1	2071	46	2.3
4320.3	10000	38.3721	94.5474	-370	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.664	-1	8.624	-1	2050	56	2.3
4320.2	10000	38.3721	94.5466	-372	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.642	-1	8.425	-1	2042	45	2.3
4320.1	10000	38.3721	94.5457	-373	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.485	-1	8.913	-1	2012	45	2.3
4320.0	10000	38.3721	94.5449	-375	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.315	-1	8.705	-1	2005	59	2.3
4319.9	10000	38.3722	94.5441	-376	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.346	-1	8.706	-1	2000	39	2.3
4319.8	10000	38.3722	94.5433	-377	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.317	-1	8.752	-1	1978	47	2.3
4319.7	10000	38.3722	94.5425	-378	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.297	-1	8.303	-1	1968	52	2.3
4319.6	10000	38.3722	94.5417	-378	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.959	-1	8.589	-1	1967	44	2.3
4319.5	10000	38.3722	94.5408	-378	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.944	-1	8.322	-1	1963	50	2.3
4319.4	10000	38.3722	94.5400	-378	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.076	-1	8.475	-1	1956	47	2.3
4319.3	10000	38.3723	94.5392	-379	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.431	-1	8.251	-1	1947	35	2.3
4319.2	10000	38.3723	94.5384	-379	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.356	-1	8.467	-1	1932	50	2.3
4319.1	10000	38.3723	94.5376	-379	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.433	-1	8.953	-1	1954	58	2.3
4319.0	10000	38.3723	94.5368	-379	PM	3.2	0	8.8	0	1.2	1	0.363	0	2.726	-1	8.953	-1	1972	58	2.2

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4318.9	10000	38.3723	94.5360	-379	PM	3.3	0	9.3	0	0.8	-2	0.352	0	3.943	1	11.186	2	2002	52	2.2
4318.8	10000	38.3723	94.5351	-380	PM	3.4	0	10.1	1	0.9	-1	0.335	0	3.913	1	11.697	2	2055	47	2.2
4318.7	10000	38.3723	94.5343	-380	PM	3.3	0	10.8	1	0.9	-1	0.305	-1	3.664	1	12.025	2	2118	52	2.2
4318.6	10000	38.3723	94.5335	-380	PM	3.3	0	11.0	2	1.0	-1	0.300	-1	3.461	1	11.552	2	2176	40	2.2
4318.5	10000	38.3724	94.5327	-379	PM	3.6	1	11.1	2	1.0	0	0.328	0	3.552	1	10.846	2	2229	43	2.2
4318.4	10000	38.3724	94.5319	-379	PM	3.8	1	11.6	2	1.1	0	0.330	0	3.639	1	11.038	2	2299	39	2.2
4318.3	10000	38.3724	94.5311	-379	PM	3.6	1	12.1	3	1.1	0	0.297	-1	3.211	0	10.796	1	2351	42	2.2
4318.2	10000	38.3724	94.5303	-378	PM	3.8	1	12.5	3	1.2	1	0.301	-1	3.088	0	10.269	1	2405	37	2.1
4318.1	10000	38.3724	94.5294	-377	PM	3.7	1	12.3	3	1.3	1	0.301	-1	2.907	0	9.662	1	2425	52	2.1
4318.0	10000	38.3724	94.5286	-375	PM	3.9	1	12.1	3	1.3	2	0.325	0	3.013	0	9.261	0	2463	52	2.1
4317.9	10000	38.3725	94.5278	-374	PM	3.9	1	12.3	3	1.3	2	0.319	-1	2.925	0	9.156	0	2472	38	2.1
4317.8	10000	38.3725	94.5270	-372	PM	4.0	1	12.3	3	1.3	2	0.328	0	2.992	0	9.128	0	2487	34	2.1
4317.7	10000	38.3725	94.5262	-369	PM	4.0	1	12.3	3	1.4	2	0.326	0	2.881	0	8.834	0	2491	44	2.1
4317.6	10000	38.3725	94.5254	-367	PM	4.4	2	12.2	3	1.4	2	0.364	0	3.146	0	8.650	0	2525	40	2.1
4317.5	10000	38.3725	94.5246	-363	PM	4.6	3	11.8	3	1.4	2	0.395	0	3.341	0	8.469	0	2538	55	2.1
4317.4	10000	38.3725	94.5237	-360	PM	4.7	3	12.1	3	1.3	2	0.388	1	3.492	1	8.996	0	2542	45	2.1
4317.3	10000	38.3725	94.5229	-357	PM	4.5	2	12.1	3	1.3	1	0.372	1	3.490	1	9.372	0	2529	51	2.1
4317.2	10000	38.3726	94.5221	-353	PM	4.7	3	12.4	3	1.3	1	0.376	1	3.858	1	10.251	1	2538	44	2.1
4317.1	10000	38.3726	94.5213	-350	PM	4.8	3	12.7	3	1.3	1	0.376	1	3.792	1	10.084	1	2550	40	2.1
4317.0	10000	38.3726	94.5205	-346	PM	4.5	2	12.9	3	1.2	1	0.349	1	3.669	1	10.522	1	2536	50	2.1
4316.9	10000	38.3726	94.5197	-342	PM	4.2	2	12.7	3	1.2	1	0.327	0	3.420	1	10.463	1	2496	44	2.0
4316.8	10000	38.3726	94.5188	-338	PM	3.9	1	12.5	3	1.2	1	0.314	-1	3.286	0	10.479	1	2474	50	2.0
4316.7	10000	38.3726	94.5180	-334	PM	3.8	1	12.3	3	1.2	1	0.312	-1	3.114	0	9.991	1	2469	44	2.0
4316.6	10000	38.3726	94.5172	-331	PM	4.1	2	12.0	3	1.3	1	0.343	0	3.280	0	9.558	1	2471	46	2.0
4316.5	10000	38.3727	94.5164	-327	PM	4.1	2	11.8	3	1.3	1	0.346	0	3.201	0	9.248	0	2475	50	2.0
4316.4	10000	38.3727	94.5156	-324	PM	3.8	1	11.7	3	1.3	1	0.325	0	3.033	0	9.336	0	2470	50	2.0
4316.3	10000	38.3727	94.5148	-322	PM	3.9	1	11.5	3	1.3	1	0.345	0	2.943	0	8.540	0	2491	37	2.0
4316.2	10000	38.3727	94.5140	-320	PM	4.0	1	11.3	3	1.4	1	0.356	0	2.946	0	8.271	0	2512	46	2.0
4316.1	10000	38.3727	94.5132	-319	PM	3.7	1	11.6	3	1.4	1	0.322	-1	2.735	-1	8.503	0	2516	37	2.0
4316.0	10000	38.3727	94.5123	-319	PM	4.0	1	11.9	3	1.4	1	0.334	0	2.884	0	8.631	0	2517	43	2.0
4315.9	10000	38.3727	94.5115	-319	PM	4.0	1	12.1	3	1.4	1	0.329	0	2.884	0	8.856	0	2504	48	2.0
4315.8	10000	38.3728	94.5107	-320	PM	4.0	1	12.2	3	1.4	1	0.327	0	2.884	0	8.856	0	2492	51	2.0
4315.7	10000	38.3728	94.5099	-323	PM	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	2467	59	2.0
4315.6	10000	38.3728	94.5091	-325	PM	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	2417	37	2.0
4315.5	10000	38.3728	94.5083	-329	PM	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	2335	47	2.0
4315.4	10000	38.3728	94.5074	-334	PM	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	2250	42	2.0
4315.3	10000	38.3728	94.5066	-338	PM	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	2120	47	2.0
4315.2	10000	38.3728	94.5058	-344	PM	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	2005	36	2.0
4315.1	10000	38.3729	94.5050	-350	PM	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	1899	40	2.0
4315.0	10000	38.3729	94.5042	-357	PM	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	1822	56	2.0
4314.9	10000	38.3729	94.5034	-363	PM	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	1786	46	2.0
4314.8	10000	38.3729	94.5026	-371	PM	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	1782	54	2.0
4314.7	10000	38.3729	94.5017	-379	PM	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	1803	58	2.0
4314.6	10000	38.3729	94.5009	-386	PM	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	1879	51	2.0
4314.5	10000	38.3729	94.5001	-393	PM	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	1943	38	2.0
4314.4	10000	38.3730	94.4993	-400	PP	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	2020	42	2.0
4314.3	10000	38.3730	94.4985	-407	PP	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	2088	43	2.0
4314.2	10000	38.3730	94.4977	-413	PP	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	2132	41	2.0
4314.1	10000	38.3730	94.4969	-419	PP	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	2157	41	2.0
4314.0	10000	38.3730	94.4960	-424	PP	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	2177	33	2.0
4313.9	10000	38.3730	94.4952	-429	PP	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	2189	40	2.0
4313.8	10000	38.3730	94.4944	-434	PP	4.0	1	12.1	3	1.4	1	0.330	0	2.884	0	8.856	0	2200	40	2.0

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4313.7	10000	38.3731	94.4936	-438	PP	3.9	1	11.1	2	1.2	0	0.348	0	3.276	0	9.405	1	2204	52	1.8
4313.6	10000	38.3731	94.4928	-442	PP	3.7	1	11.0	2	1.1	0	0.340	0	3.323	0	9.784	1	2180	39	1.8
4313.5	10000	38.3731	94.4920	-446	PP	3.8	1	10.5	1	1.1	0	0.362	0	3.476	1	9.596	1	2162	38	1.8
4313.4	10000	38.3731	94.4911	-449	PP	4.0	1	9.9	1	1.1	0	0.403	0	3.651	1	9.055	1	2149	53	1.8
4313.3	10000	38.3731	94.4903	-452	PP	4.0	1	10.1	1	1.1	0	0.392	0	3.746	1	9.553	1	2129	52	1.8
4313.2	10000	38.3731	94.4895	-455	PP	3.9	1	9.4	0	1.1	0	0.411	0	3.654	1	8.884	0	2115	42	1.8
4313.1	10000	38.3731	94.4887	-457	PP	3.6	0	9.4	0	1.1	0	0.378	0	3.336	0	8.827	0	2094	51	1.8
4313.0	10000	38.3732	94.4879	-459	PM	3.7	1	9.3	0	1.0	-1	0.396	1	3.689	1	9.321	0	2068	40	1.8
4312.9	10000	38.3732	94.4871	-461	PM	4.0	1	9.6	0	1.0	-1	0.413	1	4.044	1	9.795	1	2062	50	1.8
4312.8	10000	38.3732	94.4863	-463	PM	3.9	1	9.8	0	0.9	-1	0.397	1	4.103	2	10.337	1	2051	42	1.8
4312.7	10000	38.3732	94.4855	-465	PM	3.7	1	9.9	0	1.0	-1	0.377	0	3.895	1	10.336	1	2056	46	1.8
4312.6	10000	38.3732	94.4846	-466	PM	3.8	1	9.9	0	1.0	-1	0.389	1	4.017	1	10.318	1	2066	40	1.8
4312.5	10000	38.3732	94.4838	-468	PM	3.7	1	9.9	0	0.9	-1	0.379	1	3.944	1	10.397	1	2047	46	1.8
4312.4	10000	38.3732	94.4830	-469	PM	3.7	1	10.0	1	0.9	-1	0.373	0	4.015	1	10.751	1	2046	43	1.8
4312.3	10000	38.3733	94.4822	-470	PM	3.8	1	10.2	1	0.9	-1	0.372	0	4.018	1	10.799	1	2038	46	1.8
4312.2	10000	38.3733	94.4814	-471	PM	3.6	1	10.2	1	1.0	-1	0.350	0	3.564	1	10.170	1	2048	62	1.8
4312.1	10000	38.3733	94.4806	-472	PM	3.6	1	10.5	1	1.0	-1	0.345	0	3.637	1	10.538	1	2050	42	1.8
4312.0	10000	38.3733	94.4798	-473	PM	3.7	1	10.6	1	1.0	-1	0.352	0	3.881	1	11.035	2	2036	39	1.8
4311.9	10000	38.3733	94.4789	-473	PM	3.5	0	10.6	1	0.9	-1	0.335	0	3.835	1	11.457	2	2020	61	1.8
4311.8	10000	38.3733	94.4781	-474	PM	3.6	1	10.5	1	0.9	-1	0.342	0	4.020	1	11.746	2	2033	45	1.8
4311.7	10000	38.3733	94.4773	-474	PM	3.5	0	10.1	1	0.9	-1	0.348	0	3.895	1	11.186	2	2027	54	1.8
4311.6	10000	38.3734	94.4765	-474	PM	3.5	0	9.9	1	0.9	-1	0.355	0	3.796	1	10.690	1	2033	39	1.8
4311.5	10000	38.3734	94.4757	-474	PM	3.9	1	9.6	0	0.9	-1	0.404	1	4.193	2	10.375	1	2013	53	1.8
4311.4	10000	38.3734	94.4749	-474	PM	3.6	1	8.7	-1	0.9	-1	0.409	1	3.910	1	9.551	0	1993	50	1.8
4311.3	10000	38.3734	94.4740	-474	PM	3.5	0	8.4	-1	0.9	-1	0.416	1	3.706	1	8.920	0	1986	51	1.8
4311.2	10000	38.3734	94.4732	-474	PM	3.4	0	8.5	-1	1.0	-1	0.405	1	3.559	1	8.793	0	1975	38	1.8
4311.1	10000	38.3734	94.4724	-473	PM	3.5	0	8.7	-1	1.0	-1	0.401	1	3.633	1	9.022	0	1945	54	1.8
4311.0	10000	38.3734	94.4716	-473	PM	3.6	1	8.9	-1	1.0	-1	0.397	1	3.654	1	9.590	1	1918	43	1.8
4310.9	10000	38.3734	94.4708	-471	PM	3.6	1	9.1	0	1.0	-1	0.391	1	3.643	1	9.369	1	1890	44	1.8
4310.8	10000	38.3734	94.4700	-471	PM	3.6	1	9.2	0	1.0	-1	0.387	1	3.752	1	9.294	1	1881	27	1.8
4310.7	10000	38.3734	94.4692	-471	PM	3.6	1	9.3	0	1.0	-1	0.383	1	3.871	1	9.209	1	1870	44	1.8
4310.6	10000	38.3734	94.4684	-470	PM	3.6	1	9.4	0	1.0	-1	0.378	1	3.932	1	9.448	1	1869	48	1.8
4310.5	10000	38.3734	94.4676	-469	PM	3.6	1	9.5	0	1.0	-1	0.373	1	3.932	1	9.266	1	1879	33	1.8
4310.4	10000	38.3734	94.4668	-468	PM	3.6	1	9.6	0	1.0	-1	0.372	1	3.932	1	9.140	1	1893	56	1.8
4310.3	10000	38.3734	94.4660	-468	PM	3.6	1	9.7	0	1.0	-1	0.368	1	3.932	1	9.875	1	1932	47	1.8
4310.2	10000	38.3734	94.4652	-468	PM	3.6	1	9.8	0	1.0	-1	0.364	1	3.932	1	9.699	1	1944	44	1.8
4310.1	10000	38.3734	94.4644	-467	PM	3.6	1	9.9	0	1.0	-1	0.360	1	3.932	1	9.971	1	1956	52	1.8
4310.0	10000	38.3734	94.4636	-467	PM	3.6	1	10.0	1	1.0	-1	0.356	1	3.932	1	9.783	1	1982	47	1.8
4309.9	10000	38.3734	94.4628	-467	PM	3.6	1	10.1	1	1.0	-1	0.352	1	3.932	1	9.400	1	2001	42	1.8
4309.8	10000	38.3734	94.4620	-467	PM	3.6	1	10.2	1	1.0	-1	0.348	1	3.932	1	9.265	1	2006	52	1.8
4309.7	10000	38.3734	94.4612	-467	PM	3.6	1	10.3	1	1.0	-1	0.344	1	3.932	1	9.752	1	2017	54	1.8
4309.6	10000	38.3734	94.4604	-468	PM	3.6	1	10.4	1	1.0	-1	0.340	1	3.932	1	9.845	1	2016	36	1.8
4309.5	10000	38.3735	94.4595	-468	PM	3.6	1	10.5	1	1.0	-1	0.336	1	3.932	1	9.825	1	2038	58	1.8
4309.4	10000	38.3734	94.4587	-469	PM	3.6	1	10.6	1	1.0	-1	0.332	1	3.932	1	9.817	1	2046	48	1.8
4309.3	10000	38.3733	94.4579	-470	PM	3.6	1	10.7	1	1.0	-1	0.328	1	3.932	1	9.750	1	2052	44	1.8
4309.2	10000	38.3733	94.4571	-470	PM	3.6	1	10.8	1	1.0	-1	0.324	1	3.932	1	9.644	1	2045	31	1.8
4309.1	10000	38.3733	94.4563	-472	PM	3.6	1	10.9	1	1.0	-1	0.320	1	3.932	1	9.626	1	2045	52	1.8
4309.0	10000	38.3733	94.4555	-475	PM	3.6	1	11.0	1	1.0	-1	0.316	1	3.932	1	9.360	1	2025	39	1.8
4308.9	10000	38.3733	94.4547	-475	PM	3.6	1	11.1	1	1.0	-1	0.312	1	3.932	1	9.269	1	2017	40	1.8
4308.8	10000	38.3733	94.4539	-477	PM	3.6	1	11.2	1	1.0	-1	0.308	1	3.932	1	9.487	1	2007	33	1.8
4308.7	10000	38.3733	94.4531	-480	PP	3.6	1	11.3	1	1.0	-1	0.304	1	3.932	1	9.750	1	2005	43	1.8
4308.6	10000	38.3733	94.4523	-482	PP	3.6	1	11.4	1	1.0	-1	0.300	1	3.932	1	9.999	1	2001	51	1.8

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4308.5	10000	38.3733	94.4515	-485	PP	3.7	1	9.4	0	0.9	-1	0.397	0	4.090	1	10.296	2	2011	47	1.9
4308.4	10000	38.3733	94.4507	-488	PP	3.4	0	9.8	1	0.9	-1	0.350	0	3.925	1	11.212	2	2021	41	1.9
4308.3	10000	38.3733	94.4499	-491	PP	3.6	1	10.3	1	0.9	-1	0.347	0	3.782	1	10.911	2	2031	42	1.9
4308.2	10000	38.3733	94.4491	-494	PP	3.4	0	10.5	1	1.0	-1	0.327	-1	3.577	1	10.933	2	2044	39	1.9
4308.1	10000	38.3733	94.4483	-496	PP	3.3	0	10.9	2	1.0	-1	0.302	-1	3.380	1	11.183	2	2054	42	1.9
4308.0	10000	38.3733	94.4475	-499	PP	3.5	1	10.9	1	1.0	0	0.319	-1	3.345	1	10.488	2	2077	48	1.9
4307.9	10000	38.3733	94.4467	-501	PP	3.7	1	10.8	1	1.0	-1	0.340	0	3.553	1	10.462	2	2099	58	1.9
4307.8	10000	38.3733	94.4459	-502	PP	3.9	1	11.2	2	1.1	0	0.346	0	3.688	1	10.667	2	2114	32	1.9
4307.7	10000	38.3733	94.4451	-504	PP	4.0	1	11.1	2	1.1	0	0.360	0	3.761	1	10.455	2	2137	63	1.9
4307.6	10000	38.3733	94.4443	-505	PP	4.3	2	11.3	2	1.1	-1	0.377	0	4.196	2	11.143	2	2166	65	1.9
4307.5	10000	38.3733	94.4435	-506	PP	4.1	2	10.9	1	1.0	-1	0.376	0	4.056	1	10.786	2	2186	46	1.9
4307.4	10000	38.3733	94.4427	-506	PP	4.1	1	10.7	1	1.0	0	0.383	0	3.924	1	10.255	2	2215	42	1.9
4307.3	10000	38.3733	94.4418	-506	PP	4.0	1	11.1	2	1.0	-1	0.357	0	3.883	1	10.875	2	2219	45	1.9
4307.2	10000	38.3733	94.4410	-506	PP	3.8	1	11.3	2	1.0	0	0.339	0	3.675	1	10.845	2	2238	42	1.9
4307.1	10000	38.3733	94.4402	-506	PP	3.8	1	10.9	2	1.1	0	0.351	0	3.616	1	10.300	2	2243	45	2.0
4307.0	10000	38.3733	94.4394	-505	PP	3.9	1	11.2	2	1.1	0	0.351	0	3.552	1	10.124	1	2256	43	2.0
4306.9	10000	38.3733	94.4386	-504	PP	3.6	1	10.6	1	1.1	0	0.334	0	3.144	1	9.402	1	2257	43	2.0
4306.8	10000	38.3733	94.4378	-503	PP	3.6	1	10.7	1	1.1	0	0.331	0	3.110	1	9.387	1	2238	58	2.0
4306.7	10000	38.3733	94.4370	-503	PP	3.4	1	10.7	1	1.2	-1	0.315	-1	2.715	0	9.611	1	2212	52	2.0
4306.6	10000	38.3733	94.4362	-503	PP	3.3	1	10.5	1	1.2	-1	0.317	-1	2.673	-1	8.441	1	2199	51	2.0
4306.5	10000	38.3733	94.4354	-502	PP	3.1	0	10.2	1	1.3	-1	0.306	-1	2.478	-1	8.109	1	2156	52	2.0
4306.4	10000	38.3732	94.4346	-502	PP	3.1	0	10.0	1	1.3	-1	0.301	-1	2.412	-1	8.000	1	2143	41	2.0
4306.3	10000	38.3732	94.4338	-500	PP	3.0	0	9.6	1	1.2	-1	0.322	-1	2.584	-1	8.016	1	2116	38	2.0
4306.2	10000	38.3732	94.4330	-500	PP	3.0	0	9.5	1	1.2	-1	0.319	-1	2.488	-1	7.811	1	2106	32	2.0
4306.1	10000	38.3732	94.4322	-498	PP	3.0	0	9.5	1	1.2	-1	0.324	-1	2.482	-1	7.670	1	2124	54	2.0
4306.0	10000	38.3732	94.4314	-497	PP	3.1	0	9.3	1	1.2	0	0.362	0	2.834	0	7.837	1	2136	56	2.0
4305.9	10000	38.3732	94.4306	-496	PP	3.1	0	9.3	1	1.2	0	0.370	0	2.828	0	7.648	1	2167	59	2.0
4305.8	10000	38.3732	94.4298	-495	PP	3.4	1	9.4	1	1.2	0	0.393	0	3.153	0	8.023	1	2191	48	2.0
4305.7	10000	38.3732	94.4290	-494	PP	3.5	1	9.5	1	1.1	0	0.375	0	3.114	0	8.309	1	2202	39	2.0
4305.6	10000	38.3732	94.4282	-492	PP	3.6	1	9.7	1	1.1	0	0.380	0	3.96	0	8.410	1	2221	39	2.0
4305.5	10000	38.3732	94.4274	-491	PP	3.7	0	10.0	2	1.1	0	0.387	0	3.381	0	8.747	1	2232	41	2.0
4305.4	10000	38.3732	94.4266	-490	PP	3.9	1	10.2	2	1.1	0	0.399	0	3.613	0	9.051	1	2224	46	2.0
4305.3	10000	38.3732	94.4258	-488	PP	3.9	1	10.3	2	1.1	0	0.387	0	3.553	0	9.193	1	2219	50	2.0
4305.2	10000	38.3732	94.4249	-488	PP	3.9	1	10.3	2	1.1	0	0.357	0	3.337	0	9.349	1	2190	50	2.0
4305.1	10000	38.3732	94.4241	-487	PP	3.9	1	10.2	2	1.1	0	0.327	0	2.893	0	8.856	1	2175	41	2.0
4305.0	10000	38.3732	94.4233	-486	PP	3.9	1	10.2	2	1.1	0	0.322	0	2.712	0	8.423	1	2147	36	2.0
4304.9	10000	38.3732	94.4225	-485	PP	3.8	1	10.1	2	1.1	0	0.319	0	2.542	0	7.981	1	2114	45	2.0
4304.8	10000	38.3732	94.4217	-484	PP	3.8	1	10.0	2	1.1	0	0.314	0	2.514	0	7.994	1	2080	33	2.0
4304.7	10000	38.3732	94.4209	-483	PP	3.7	1	9.7	2	1.1	0	0.318	0	2.516	0	7.918	1	2065	50	2.0
4304.6	10000	38.3732	94.4201	-482	PP	3.7	1	9.7	2	1.1	0	0.302	0	2.465	0	7.175	1	2046	46	2.0
4304.5	10000	38.3732	94.4193	-481	PP	3.5	1	9.4	1	1.1	0	0.347	0	2.780	0	8.015	1	2065	41	2.0
4304.4	10000	38.3732	94.4185	-480	PP	3.4	0	9.4	1	1.1	0	0.391	0	3.145	0	8.045	1	2077	44	2.0
4304.3	10000	38.3732	94.4177	-480	PP	3.3	0	9.3	1	1.1	0	0.426	0	3.575	0	8.396	1	2101	44	2.0
4304.2	10000	38.3732	94.4169	-479	PP	3.3	0	9.2	1	1.1	0	0.392	0	3.577	0	8.115	1	2125	41	2.0
4304.1	10000	38.3732	94.4161	-479	PP	3.3	0	9.2	1	1.1	0	0.385	0	3.260	0	8.471	1	2165	47	2.0
4304.0	10000	38.3732	94.4153	-479	PP	3.3	0	9.2	1	1.1	0	0.380	0	3.011	0	7.924	1	2195	39	2.0
4303.9	10000	38.3732	94.4145	-479	PP	3.3	0	9.2	1	1.1	0	0.398	0	3.020	0	7.579	1	2220	45	2.0
4303.8	10000	38.3732	94.4137	-479	PP	3.3	0	9.2	1	1.1	0	0.376	0	2.902	0	7.708	1	2208	58	2.0
4303.7	10000	38.3731	94.4129	-480	PP	3.3	0	9.2	1	1.1	0	0.362	0	2.837	0	7.843	1	2207	55	2.0
4303.6	10000	38.3731	94.4121	-481	PP	3.2	0	9.1	1	1.1	0	0.351	0	2.744	0	7.816	1	2210	46	2.0
4303.5	10000	38.3731	94.4113	-482	PP	3.2	0	9.1	1	1.1	0	0.351	0	2.766	0	7.106	1	2198	45	2.0
4303.4	10000	38.3731	94.4105	-484	PP	3.6	1	9.3	1	1.2	0	0.384	0	2.960	0	7.718	1	2186	41	2.0

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4303.3	10000	38.3731	94.4097	-487	PP	3.4	0	9.7	0	1.2	0	0.348	0	2.854	0	8.210	0	2165	38	2.1
4303.2	10000	38.3731	94.4088	-489	PP	3.3	0	9.7	1	1.1	0	0.343	0	2.937	0	8.573	0	2138	56	2.1
4303.1	10000	38.3731	94.4081	-493	PP	3.4	0	9.5	1	1.2	0	0.359	0	2.942	0	8.200	0	2115	42	2.1
4303.0	10000	38.3731	94.4072	-497	PP	3.3	0	9.4	0	1.1	0	0.347	0	2.900	0	8.362	0	2076	50	2.1
4302.9	10000	38.3731	94.4064	-501	PP	3.3	0	9.5	0	1.1	0	0.346	0	2.949	0	8.518	0	2031	56	2.1
4302.8	10000	38.3731	94.4056	-505	PP	3.2	0	9.5	0	1.1	0	0.333	0	2.909	0	9.023	1	1998	46	2.1
4302.7	10000	38.3731	94.4048	-510	PP	3.1	0	8.8	-1	1.0	-1	0.357	0	3.074	0	8.623	0	1959	54	2.1
4302.6	10000	38.3731	94.4040	-513	PP	3.3	0	8.4	-1	1.0	-1	0.396	1	3.477	0	8.784	0	1934	48	2.1
4302.5	10000	38.3731	94.4032	-517	PP	3.3	0	8.6	0	1.0	-1	0.385	0	3.361	0	8.720	0	1941	44	2.1
4302.4	10000	38.3731	94.4024	-522	PP	3.3	0	9.1	0	1.0	-1	0.363	0	3.320	0	9.134	1	1955	47	2.1
4302.3	10000	38.3731	94.4016	-526	PP	3.4	0	9.4	0	1.0	-1	0.360	0	3.380	0	9.389	1	2018	43	2.1
4302.2	10000	38.3731	94.4008	-529	PP	3.5	0	9.7	1	1.0	0	0.357	0	3.347	0	9.374	1	2072	46	2.1
4302.1	10000	38.3731	94.4000	-532	PP	3.6	1	10.3	1	1.0	0	0.351	0	3.474	1	9.902	1	2134	47	2.1
4302.0	10000	38.3731	94.3992	-535	PC	3.9	1	11.1	2	1.1	0	0.351	0	3.663	1	10.445	1	2208	40	2.1
4301.9	10000	38.3731	94.3984	-538	PC	3.9	1	11.5	2	1.1	0	0.338	0	3.458	1	10.226	1	2270	41	2.1
4301.8	10000	38.3731	94.3976	-540	PC	4.0	1	11.4	2	1.2	0	0.353	0	3.506	1	9.921	1	2319	38	2.1
4301.7	10000	38.3731	94.3968	-542	PC	4.0	1	10.9	1	1.2	0	0.364	0	3.507	1	9.627	1	2342	37	2.1
4301.6	10000	38.3731	94.3960	-545	PC	4.0	1	10.8	1	1.2	0	0.390	1	3.588	1	9.199	0	2336	47	2.1
4301.5	10000	38.3731	94.3952	-547	PC	4.0	1	10.7	1	1.2	0	0.380	0	3.442	1	9.063	0	2340	59	2.1
4301.4	10000	38.3731	94.3944	-549	PC	4.0	1	10.8	1	1.2	0	0.369	0	3.260	0	8.830	0	2327	40	2.1
4301.3	10000	38.3731	94.3936	-551	PC	3.8	1	10.5	1	1.3	1	0.316	0	2.622	-1	8.304	0	2284	51	2.1
4301.2	10000	38.3731	94.3927	-552	PC	4.1	1	10.1	1	1.3	1	0.334	0	2.617	-1	7.846	-1	2234	43	2.1
4301.1	10000	38.3731	94.3920	-553	PC	4.5	0	9.8	1	1.2	1	0.359	0	2.828	-1	7.882	-1	2193	34	2.1
4301.0	10000	38.3730	94.3911	-555	PC	4.6	0	9.9	0	1.2	1	0.361	0	3.006	0	8.323	0	2158	51	2.1
4300.9	10000	38.3730	94.3903	-556	PC	4.2	0	9.8	0	1.1	1	0.325	0	2.794	0	8.593	0	2097	40	2.1
4300.8	10000	38.3730	94.3895	-556	PC	4.0	0	9.4	0	1.1	1	0.336	0	2.797	0	8.327	0	2037	41	2.1
4300.7	10000	38.3730	94.3887	-557	PC	3.9	0	8.8	0	1.1	1	0.342	0	2.840	0	8.305	0	1974	48	2.1
4300.6	10000	38.3730	94.3879	-558	PC	3.8	0	8.8	0	1.0	1	0.384	0	3.398	0	8.849	0	1932	53	2.1
4300.5	10000	38.3730	94.3871	-558	PC	3.5	0	8.8	-1	0.9	0	0.415	1	3.781	1	9.120	0	1910	44	2.1
4300.4	10000	38.3730	94.3863	-558	PC	3.2	0	8.8	-1	0.9	-1	0.379	0	3.543	1	9.338	0	1881	59	2.1
4300.3	10000	38.3730	94.3855	-558	PC	3.2	0	8.8	-1	0.9	-1	0.359	0	3.207	0	8.923	0	1889	46	2.1
4300.2	10000	38.3730	94.3847	-557	PP	3.1	0	8.8	-1	0.9	-1	0.372	0	3.254	0	8.744	0	1898	53	2.1
4300.1	10000	38.3730	94.3839	-557	PP	3.2	0	8.8	-1	0.9	-1	0.379	0	3.478	0	9.170	0	1914	45	2.1
4300.0	10000	38.3730	94.3831	-556	PP	3.3	0	8.8	-1	0.9	-1	0.408	0	3.362	0	8.239	0	1965	37	2.1
4299.9	10000	38.3730	94.3823	-553	PP	3.4	0	8.8	-1	0.9	-1	0.380	0	3.144	0	8.281	0	2035	50	2.1
4299.8	10000	38.3730	94.3815	-548	PP	3.4	0	8.8	-1	0.9	-1	0.340	0	2.906	0	8.552	0	2084	33	2.1
4299.7	10000	38.3730	94.3807	-548	PP	3.4	0	8.8	-1	0.9	-1	0.335	0	2.854	0	8.720	0	2130	45	2.1
4299.6	10000	38.3730	94.3799	-551	PP	3.4	0	8.8	-1	0.9	-1	0.335	0	2.854	0	8.930	0	2146	41	2.1
4299.5	10000	38.3730	94.3791	-550	PP	3.4	0	8.8	-1	0.9	-1	0.335	0	2.854	0	8.846	0	2188	37	2.1
4299.4	10000	38.3730	94.3783	-548	PP	3.4	0	8.8	-1	0.9	-1	0.335	0	2.854	0	8.959	0	2234	50	2.1
4299.3	10000	38.3730	94.3775	-546	PP	3.4	0	8.8	-1	0.9	-1	0.335	0	2.854	0	9.038	1	2258	33	2.1
4299.2	10000	38.3730	94.3766	-544	PP	3.4	0	8.8	-1	0.9	-1	0.335	0	2.854	0	9.215	0	2258	43	2.1
4299.1	10000	38.3730	94.3759	-542	PP	3.4	0	8.8	-1	0.9	-1	0.335	0	2.854	0	9.602	0	2272	45	2.1
4299.0	10000	38.3730	94.3750	-540	PP	3.4	0	8.8	-1	0.9	-1	0.335	0	2.854	0	9.372	0	2271	53	2.1
4298.9	10000	38.3730	94.3742	-539	PP	3.4	0	8.8	-1	0.9	-1	0.335	0	2.854	0	9.830	0	2274	45	2.1
4298.8	10000	38.3730	94.3734	-538	PP	3.4	0	8.8	-1	0.9	-1	0.335	0	2.854	0	9.588	0	2276	39	2.1
4298.7	10000	38.3730	94.3726	-536	PP	3.4	0	8.8	-1	0.9	-1	0.335	0	2.854	0	9.408	0	2256	46	2.1
4298.6	10000	38.3730	94.3718	-535	PP	3.4	0	8.8	-1	0.9	-1	0.335	0	2.854	0	9.478	0	2236	46	2.1
4298.5	10000	38.3729	94.3710	-534	PP	3.4	0	8.8	-1	0.9	-1	0.335	0	2.854	0	9.360	0	2207	44	2.1
4298.4	10000	38.3729	94.3702	-535	PP	3.4	0	8.8	-1	0.9	-1	0.335	0	2.854	0	9.703	0	2177	45	2.1
4298.3	10000	38.3729	94.3694	-535	PP	3.4	0	8.8	-1	0.9	-1	0.335	0	2.854	0	9.623	0	2166	45	2.1
4298.2	10000	38.3729	94.3686	-535	PP	3.6	0	9.0	-1	0.9	-1	0.335	0	2.854	0	9.007	0	2136	59	2.1

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKLT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4298.1	10000	38.3729	94.3678	-535	PP	3.5	0	10.2	1	1.0	0	0.347	0	3.415	1	9.829	1	2115	40	2.1
4298.0	10000	38.3729	94.3670	-536	PP	3.4	0	10.4	1	1.0	-1	0.323	-1	3.370	0	10.441	2	2093	52	2.1
4297.9	10000	38.3729	94.3662	-537	PP	3.4	0	10.1	1	1.0	-1	0.341	0	3.510	1	10.305	2	2068	47	2.1
4297.8	10000	38.3729	94.3654	-539	PP	3.4	0	9.6	0	1.0	-1	0.350	0	3.300	1	9.420	1	2049	49	2.1
4297.7	10000	38.3729	94.3646	-541	PP	3.3	0	9.9	1	1.0	-1	0.333	0	3.320	0	9.983	1	2033	46	2.1
4297.6	10000	38.3729	94.3638	-544	PP	3.2	0	10.2	1	1.0	-1	0.317	-1	3.349	0	10.567	2	1999	40	2.1
4297.5	10000	38.3729	94.3630	-547	PP	3.2	0	10.5	1	1.0	-1	0.301	-1	3.218	0	10.701	2	1992	54	2.1
4297.4	10000	38.3729	94.3622	-550	PP	3.0	-1	9.8	1	0.9	-1	0.308	-1	3.339	0	10.850	2	1965	41	2.1
4297.3	10000	38.3729	94.3614	-552	PP	3.1	0	9.5	0	0.9	-1	0.323	-1	3.298	0	10.217	1	1954	50	2.1
4297.2	10000	38.3729	94.3606	-556	PP	3.3	0	9.4	0	0.9	-1	0.351	0	3.554	1	10.118	1	1955	52	2.1
4297.1	10000	38.3729	94.3598	-561	PP	3.3	0	9.7	1	0.9	-1	0.343	0	3.795	1	11.071	2	1949	50	2.1
4297.0	10000	38.3729	94.3589	-565	PP	3.4	0	9.7	0	0.8	-2	0.354	0	4.033	1	11.409	2	1932	52	2.1
4296.9	10000	38.3729	94.3581	-570	PP	3.7	1	9.6	0	0.8	-2	0.392	0	4.439	2	11.339	2	1932	50	2.1
4296.8	10000	38.3729	94.3573	-576	PM	3.8	1	9.3	0	0.9	-1	0.402	1	4.395	2	10.936	1	1930	46	2.1
4296.7	10000	38.3729	94.3565	-581	PM	3.7	1	9.6	0	0.9	-1	0.385	1	4.100	2	10.648	1	1949	43	2.1
4296.6	10000	38.3729	94.3557	-586	PM	3.7	1	9.5	0	0.9	-1	0.394	1	4.073	1	10.338	1	1961	50	2.1
4296.5	10000	38.3729	94.3549	-592	PM	3.5	0	9.5	0	1.0	-1	0.369	0	3.547	1	9.611	1	1955	46	2.1
4296.4	10000	38.3729	94.3541	-597	PM	3.6	1	9.2	0	1.0	0	0.389	1	3.545	1	9.109	0	1958	41	2.1
4296.3	10000	38.3729	94.3533	-602	PM	3.7	1	9.0	0	1.0	0	0.409	1	3.541	1	8.664	0	1990	46	2.1
4296.2	10000	38.3729	94.3525	-608	PM	3.5	1	9.1	0	1.1	0	0.379	0	3.292	1	8.681	0	2009	49	2.1
4296.1	10000	38.3729	94.3517	-612	PM	3.5	1	9.7	1	1.1	0	0.365	0	3.327	0	9.109	0	2035	49	2.1
4296.0	10000	38.3729	94.3509	-617	PM	3.8	1	9.3	0	1.1	0	0.406	1	3.441	1	8.481	0	2050	47	2.1
4295.9	10000	38.3729	94.3501	-622	PM	3.7	1	9.9	1	1.1	0	0.374	0	3.334	0	8.908	0	2073	54	2.0
4295.8	10000	38.3728	94.3493	-627	PM	3.6	1	10.6	1	1.0	0	0.342	0	3.497	1	10.222	1	2093	45	2.0
4295.7	10000	38.3728	94.3485	-632	PM	3.9	1	10.5	1	1.1	0	0.366	0	3.636	1	9.922	1	2119	49	2.0
4295.6	10000	38.3728	94.3477	-636	PM	3.8	1	10.8	1	1.0	0	0.347	0	3.656	1	10.535	1	2128	48	2.0
4295.5	10000	38.3728	94.3469	-641	PM	3.7	1	10.6	1	1.1	0	0.348	0	3.470	1	9.984	1	2142	45	2.0
4295.4	10000	38.3728	94.3461	-644	PP	3.6	1	10.2	1	1.0	-1	0.358	0	3.544	1	9.897	1	2139	57	2.0
4295.3	10000	38.3728	94.3453	-648	PP	3.6	1	10.2	1	1.0	-1	0.352	0	3.601	1	10.219	1	2115	56	2.0
4295.2	10000	38.3728	94.3445	-651	PP	3.6	1	9.8	1	1.0	-1	0.372	0	3.699	1	9.935	1	2091	46	2.0
4295.1	10000	38.3728	94.3437	-655	PP	3.5	1	9.8	1	1.0	-1	0.364	0	3.767	1	9.829	1	2083	37	2.0
4295.0	10000	38.3728	94.3428	-658	PP	3.5	1	9.8	1	1.0	-1	0.363	0	3.768	1	9.837	1	2072	44	2.0
4294.9	10000	38.3728	94.3420	-661	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.398	1	9.637	1	2068	38	2.0
4294.8	10000	38.3728	94.3412	-664	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.398	1	9.906	1	2067	49	2.0
4294.7	10000	38.3728	94.3404	-666	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.459	1	9.924	1	2070	62	2.0
4294.6	10000	38.3727	94.3396	-668	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.242	1	9.191	1	2083	45	2.0
4294.5	10000	38.3727	94.3388	-671	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.047	1	9.150	1	2110	53	2.0
4294.4	10000	38.3727	94.3380	-673	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.067	1	9.374	1	2127	45	2.0
4294.3	10000	38.3727	94.3372	-674	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.825	1	9.389	1	2140	51	2.0
4294.2	10000	38.3727	94.3364	-676	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.105	1	9.861	1	2146	53	2.0
4294.1	10000	38.3727	94.3356	-677	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.755	1	9.679	1	2140	59	2.0
4294.0	10000	38.3727	94.3348	-679	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.619	1	9.355	1	2126	50	2.0
4293.9	10000	38.3726	94.3340	-680	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.721	1	9.301	1	2122	43	2.0
4293.8	10000	38.3726	94.3332	-681	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.817	1	9.491	1	2098	44	2.0
4293.7	10000	38.3726	94.3324	-682	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.735	1	9.691	1	2088	44	2.0
4293.6	10000	38.3726	94.3316	-683	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.011	1	9.516	1	2082	44	2.0
4293.5	10000	38.3726	94.3308	-684	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.996	1	9.527	1	2055	44	2.0
4293.4	10000	38.3726	94.3300	-685	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.051	1	9.515	1	2022	44	2.0
4293.3	10000	38.3725	94.3292	-686	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.025	1	9.259	1	2005	44	2.0
4293.2	10000	38.3725	94.3284	-687	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.033	1	9.385	1	2002	44	2.0
4293.1	10000	38.3725	94.3276	-688	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.102	1	9.007	1	2003	44	2.0
4293.0	10000	38.3725	94.3268	-689	PP	3.4	1	9.8	1	1.0	-1	0.353	0	3.324	1	9.584	1	2007	44	2.0

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4292.9	10000	38.3725	94.3260	-691	PP	2.9	-1	9.3	0	1.0	-1	0.318	-1	3.049	0	9.577	1	1914	46	2.0
4292.8	10000	38.3724	94.3251	-691	PP	3.2	0	9.1	0	1.0	-1	0.347	0	3.312	0	9.538	1	1908	47	2.0
4292.7	10000	38.3724	94.3243	-693	PP	3.2	0	9.0	0	0.9	-1	0.359	0	3.456	1	9.613	1	1919	56	2.0
4292.6	10000	38.3724	94.3235	-693	PP	2.9	0	8.9	0	1.0	-1	0.359	0	3.267	0	9.091	1	1945	43	2.0
4292.5	10000	38.3724	94.3227	-695	PP	2.9	-1	9.0	0	1.0	-1	0.324	-1	2.916	0	8.992	1	1951	46	2.0
4292.4	10000	38.3724	94.3219	-696	PP	3.0	-1	9.2	0	1.0	-1	0.323	-1	3.064	0	9.502	1	1958	38	2.0
4292.3	10000	38.3724	94.3211	-697	PP	3.3	0	8.8	0	0.9	-1	0.380	0	3.593	1	9.466	1	1977	45	2.0
4292.2	10000	38.3723	94.3203	-698	PP	3.2	0	9.1	0	0.9	-1	0.354	0	3.442	1	9.720	1	1992	35	2.0
4292.1	10000	38.3723	94.3195	-698	PP	3.2	0	9.1	0	1.0	-1	0.358	0	3.300	0	9.229	1	2014	43	2.0
4292.0	10000	38.3723	94.3187	-699	PP	3.3	0	9.4	0	1.0	-1	0.356	0	3.439	1	9.662	1	2031	48	2.0
4291.9	10000	38.3723	94.3179	-699	PP	3.5	0	9.4	0	1.0	-1	0.373	0	3.656	1	9.803	1	2045	38	2.0
4291.8	10000	38.3723	94.3171	-699	PP	3.8	1	9.7	0	1.0	-1	0.390	0	3.908	1	10.030	1	2055	48	2.1
4291.7	10000	38.3723	94.3163	-700	PP	3.6	1	9.6	0	1.0	-1	0.379	0	3.670	1	9.690	1	2057	53	2.1
4291.6	10000	38.3722	94.3155	-700	PP	3.2	0	10.2	1	1.1	0	0.315	-1	3.037	0	9.628	1	2060	36	2.1
4291.5	10000	38.3722	94.3147	-701	PP	3.2	0	10.2	1	1.1	0	0.319	-1	2.962	0	9.288	1	2061	61	2.1
4291.4	10000	38.3722	94.3139	-702	PP	3.2	0	10.3	1	1.1	0	0.313	-1	3.052	0	9.753	1	2068	44	2.1
4291.3	10000	38.3722	94.3131	-702	PP	3.4	0	10.4	1	1.1	0	0.332	0	3.249	0	9.773	1	2062	40	2.1
4291.2	10000	38.3722	94.3123	-703	PP	3.2	0	10.5	1	1.0	0	0.300	-1	3.038	0	10.128	1	2051	43	2.1
4291.1	10000	38.3722	94.3115	-703	PP	3.1	0	10.5	1	1.0	0	0.295	-1	2.956	0	10.011	1	2057	48	2.1
4291.0	10000	38.3721	94.3107	-704	PM	3.2	0	10.8	1	1.0	-1	0.296	-1	3.217	0	10.852	1	2058	48	2.1
4290.9	10000	38.3721	94.3099	-704	PM	3.3	0	10.6	1	1.0	0	0.307	-1	3.193	0	10.392	1	2057	40	2.1
4290.8	10000	38.3721	94.3091	-704	PM	3.2	0	10.8	1	1.0	-1	0.300	-1	3.247	0	10.815	1	2040	37	2.1
4290.7	10000	38.3721	94.3083	-704	PM	3.4	0	10.4	1	1.0	-1	0.323	0	3.400	0	10.514	1	2027	45	2.1
4290.6	10000	38.3721	94.3074	-704	PM	3.1	0	10.3	1	1.0	0	0.305	-1	3.075	0	10.092	1	2017	36	2.1
4290.5	10000	38.3721	94.3066	-704	PM	3.0	-1	9.7	1	1.1	0	0.309	-1	2.820	0	9.115	0	2009	48	2.1
4290.4	10000	38.3720	94.3058	-703	PM	2.8	-1	9.7	1	1.1	0	0.293	-1	2.678	-1	9.139	0	1994	49	2.1
4290.3	10000	38.3720	94.3050	-703	PM	2.7	-1	9.5	1	1.1	0	0.290	-1	2.474	-1	8.527	0	1988	38	2.1
4290.2	10000	38.3720	94.3042	-703	PM	2.8	-1	9.7	1	1.0	0	0.286	-1	2.667	-1	9.315	0	1972	46	2.1
4290.1	10000	38.3720	94.3034	-702	PM	2.7	-1	9.1	1	1.0	0	0.300	-1	2.660	-1	8.877	0	1975	53	2.1
4290.0	10000	38.3720	94.3026	-702	PM	2.5	-2	9.2	1	1.0	0	0.266	-1	2.387	-1	8.982	0	1961	46	2.1
4289.9	10000	38.3720	94.3018	-702	PM	2.7	-2	9.2	1	1.0	0	0.250	-2	2.265	-1	9.073	0	1950	46	2.1
4289.8	10000	38.3719	94.3010	-703	PM	2.5	-2	9.2	1	1.0	0	0.258	-2	2.559	-1	9.924	0	1941	59	2.1
4289.7	10000	38.3719	94.3002	-703	PM	2.6	-1	9.4	1	1.0	0	0.278	-1	2.904	0	10.450	1	1925	47	2.1
4289.6	10000	38.3719	94.2994	-703	PM	2.7	-1	9.8	1	0.9	0	0.299	-1	3.119	0	10.414	1	1907	51	2.1
4289.5	10000	38.3719	94.2986	-702	PM	3.0	-1	9.8	1	0.9	0	0.338	-1	3.521	0	10.420	1	1918	43	2.1
4289.4	10000	38.3719	94.2978	-703	PM	3.1	-1	9.9	1	0.9	0	0.340	-1	3.756	0	11.052	2	1911	57	2.1
4289.3	10000	38.3719	94.2970	-703	PP	3.2	-1	9.9	1	0.9	0	0.346	-1	3.787	0	10.940	2	1924	47	2.1
4289.2	10000	38.3718	94.2962	-704	PP	3.3	-1	9.9	1	0.9	0	0.384	-1	4.281	0	11.140	2	1921	33	2.1
4289.1	10000	38.3718	94.2954	-704	PP	3.3	-1	9.9	1	0.9	0	0.373	-1	4.063	0	10.894	2	1929	47	2.1
4289.0	10000	38.3718	94.2946	-705	PP	3.3	-1	9.9	1	0.9	0	0.351	-1	3.699	0	10.544	2	1943	42	2.1
4288.9	10000	38.3718	94.2938	-706	PP	3.3	-1	9.9	1	0.9	0	0.338	-1	3.618	0	10.697	2	1985	48	2.1
4288.8	10000	38.3718	94.2930	-707	PP	3.3	-1	9.9	1	0.9	0	0.330	-1	3.430	0	10.392	2	2002	45	2.1
4288.7	10000	38.3718	94.2922	-708	PP	3.3	-1	9.9	1	0.9	0	0.327	-1	3.300	0	10.090	2	2017	48	2.1
4288.6	10000	38.3717	94.2914	-709	PP	3.3	-1	9.9	1	0.9	0	0.349	-1	3.382	0	9.693	2	2042	49	2.1
4288.5	10000	38.3717	94.2905	-710	PP	3.3	-1	9.9	1	0.9	0	0.336	-1	3.197	0	9.525	2	2067	44	2.1
4288.4	10000	38.3717	94.2897	-711	PP	3.3	-1	9.9	1	0.9	0	0.346	-1	3.159	0	9.126	2	2082	49	2.1
4288.3	10000	38.3717	94.2889	-711	PP	3.3	-1	9.9	1	0.9	0	0.334	-1	2.965	0	8.876	2	2084	46	2.1
4288.2	10000	38.3717	94.2881	-712	PP	3.3	-1	9.9	1	0.9	0	0.336	-1	2.931	0	8.782	2	2068	32	2.1
4288.1	10000	38.3717	94.2873	-713	PP	3.3	-1	9.9	1	0.9	0	0.291	-1	2.577	0	8.416	2	2049	48	2.1
4288.0	10000	38.3716	94.2865	-715	PP	3.3	-1	9.9	1	0.9	0	0.274	-1	2.671	0	8.167	2	2053	39	2.1
4287.9	10000	38.3716	94.2857	-716	PP	3.3	-1	9.9	1	0.9	0	0.309	-1	2.741	0	8.005	2	2027	43	2.1
4287.8	10000	38.3716	94.2849	-716	PP	3.1	0	10.2	1	1.0	0	0.309	-1	3.139	0	10.169	2	2022	33	2.1

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4287.7	10000	38.3716	94.2841	-718	PP	3.4	0	10.6	1	0.9	-1	0.325	-1	3.656	1	11.261	2	2036	43	2.1
4287.6	10000	38.3716	94.2833	-719	PM	3.8	1	10.6	1	0.9	-1	0.357	0	4.341	2	12.161	2	2060	57	2.1
4287.5	10000	38.3716	94.2825	-719	PM	3.9	1	11.0	1	0.8	-2	0.355	0	4.585	2	12.915	3	2065	50	2.1
4287.4	10000	38.3715	94.2817	-719	PM	4.1	2	11.3	2	0.8	-2	0.364	0	4.972	3	13.660	3	2085	48	2.1
4287.3	10000	38.3715	94.2809	-720	PM	4.4	2	10.7	1	0.8	-2	0.407	1	5.167	3	12.702	3	2096	48	2.1
4287.2	10000	38.3715	94.2801	-721	PM	4.2	2	10.4	1	0.9	-1	0.403	1	4.743	3	11.776	2	2110	51	2.1
4287.1	10000	38.3715	94.2793	-722	PM	3.9	1	10.9	1	0.9	-1	0.360	0	4.301	2	11.945	2	2121	51	2.1
4287.0	10000	38.3715	94.2785	-723	PM	3.9	1	10.9	1	0.9	-1	0.355	0	4.165	2	11.743	2	2123	62	2.1
4286.9	10000	38.3714	94.2777	-723	PM	3.7	1	10.7	1	1.0	-1	0.341	0	3.666	1	10.749	1	2140	48	2.1
4286.8	10000	38.3714	94.2769	-724	PM	3.6	1	10.5	1	1.1	0	0.345	0	3.368	0	9.760	1	2174	52	2.1
4286.7	10000	38.3714	94.2761	-725	PM	3.6	1	10.0	1	1.1	0	0.363	0	3.247	0	8.958	0	2190	44	2.1
4286.6	10000	38.3714	94.2753	-725	PM	3.5	0	9.9	1	1.2	1	0.351	0	2.886	0	8.212	0	2217	45	2.1
4286.5	10000	38.3714	94.2745	-725	PP	3.7	1	10.2	1	1.2	1	0.360	0	2.929	0	8.136	0	2241	41	2.1
4286.4	10000	38.3714	94.2737	-726	PP	3.6	1	9.6	1	1.2	1	0.372	0	2.901	0	7.798	0	2252	44	2.1
4286.3	10000	38.3713	94.2728	-727	PP	3.5	1	9.7	1	1.3	1	0.365	0	2.730	0	7.483	-1	2258	43	2.1
4286.2	10000	38.3713	94.2720	-727	PP	3.5	0	9.7	1	1.3	1	0.359	0	2.632	-1	7.336	-1	2250	41	2.1
4286.1	10000	38.3713	94.2712	-727	PP	3.7	1	9.7	1	1.3	1	0.386	0	2.857	0	7.407	-1	2237	42	2.1
4286.0	10000	38.3713	94.2704	-728	PP	3.9	1	9.9	1	1.3	1	0.390	0	2.980	0	7.635	0	2241	43	2.1
4285.9	10000	38.3713	94.2696	-729	PP	3.7	1	10.2	1	1.3	1	0.360	0	2.872	0	7.974	0	2243	41	2.1
4285.8	10000	38.3713	94.2688	-729	PP	3.5	1	10.5	1	1.2	1	0.338	0	2.925	0	8.659	0	2240	43	2.1
4285.7	10000	38.3712	94.2680	-730	PP	3.6	1	10.8	1	1.2	1	0.331	0	2.865	0	8.645	0	2244	44	2.1
4285.6	10000	38.3712	94.2672	-731	PP	3.3	1	10.6	1	1.2	1	0.316	-1	2.696	-1	8.528	0	2246	49	2.1
4285.5	10000	38.3712	94.2664	-731	PP	3.4	1	10.4	1	1.2	1	0.327	-1	2.913	0	8.897	0	2244	41	2.1
4285.4	10000	38.3712	94.2656	-733	PP	3.1	0	10.7	1	1.1	0	0.285	-1	2.739	0	9.607	1	2229	47	2.1
4285.3	10000	38.3712	94.2648	-734	PP	2.9	-1	11.3	2	1.1	0	0.255	-1	2.682	-1	10.507	2	2230	36	2.1
4285.2	10000	38.3712	94.2640	-735	PP	3.0	-1	11.2	1	1.1	0	0.265	-1	2.806	0	10.585	2	2238	44	2.1
4285.1	10000	38.3711	94.2632	-736	PP	3.3	0	10.9	1	1.1	0	0.302	-1	2.905	0	9.603	1	2264	45	2.1
4285.0	10000	38.3711	94.2624	-737	PP	3.2	0	11.2	2	1.1	0	0.286	-1	2.787	0	9.731	1	2276	42	2.1
4284.9	10000	38.3711	94.2616	-738	PP	3.4	0	11.3	2	1.2	0	0.301	-1	2.891	0	9.614	1	2298	47	2.1
4284.8	10000	38.3711	94.2608	-739	PP	3.4	0	11.7	2	1.2	1	0.290	-1	2.735	0	9.433	1	2321	35	2.1
4284.7	10000	38.3711	94.2600	-740	PP	3.5	0	11.4	2	1.2	1	0.310	-1	2.654	-1	8.573	0	2341	46	2.1
4284.6	10000	38.3711	94.2592	-742	PP	3.6	0	11.3	2	1.3	1	0.314	-1	2.639	-1	8.406	0	2348	40	2.1
4284.5	10000	38.3710	94.2584	-744	PM	3.7	0	11.3	2	1.3	1	0.333	-1	2.754	-1	8.282	0	2330	52	2.1
4284.4	10000	38.3710	94.2576	-745	PM	3.4	0	11.0	2	1.2	1	0.330	-1	2.481	-1	8.175	0	2282	40	2.1
4284.3	10000	38.3710	94.2568	-747	PM	3.4	0	10.8	2	1.2	1	0.330	-1	2.551	-1	8.132	0	2263	45	2.1
4284.2	10000	38.3710	94.2560	-749	PM	3.4	0	10.8	2	1.2	1	0.330	-1	2.759	-1	8.369	0	2223	41	2.1
4284.1	10000	38.3710	94.2551	-751	PM	3.4	0	10.8	2	1.2	1	0.337	-1	2.827	-1	8.557	0	2190	46	2.1
4284.0	10000	38.3709	94.2543	-753	PM	3.4	0	10.8	2	1.2	1	0.345	-1	2.936	-1	8.701	0	2175	49	2.1
4283.9	10000	38.3709	94.2535	-755	PM	3.4	0	10.8	2	1.2	1	0.324	-1	2.846	-1	8.243	0	2146	45	2.1
4283.8	10000	38.3709	94.2527	-756	PM	3.4	0	10.8	2	1.2	1	0.374	-1	2.757	-1	8.507	0	2114	46	2.1
4283.7	10000	38.3709	94.2519	-758	PM	3.4	0	10.8	2	1.2	1	0.387	-1	2.204	-1	8.556	0	2098	50	2.1
4283.6	10000	38.3709	94.2511	-759	PM	3.4	0	10.8	2	1.2	1	0.372	-1	2.146	-1	8.123	0	2097	61	2.1
4283.5	10000	38.3709	94.2503	-757	PM	3.4	0	10.8	2	1.2	1	0.367	-1	2.957	-1	8.942	0	2094	48	2.1
4283.4	10000	38.3708	94.2495	-758	PM	3.4	0	10.8	2	1.2	1	0.359	-1	2.885	-1	8.862	0	2101	57	2.1
4283.3	10000	38.3708	94.2487	-763	PM	3.4	0	10.8	2	1.2	1	0.359	-1	2.863	-1	8.976	0	2092	69	2.1
4283.2	10000	38.3708	94.2479	-765	PM	3.4	0	10.8	2	1.2	1	0.381	-1	2.925	-1	9.149	0	2103	62	2.1
4283.1	10000	38.3708	94.2471	-767	PM	3.4	0	10.8	2	1.2	1	0.354	-1	2.917	-1	8.350	0	2132	74	2.1
4283.0	10000	38.3708	94.2463	-768	PM	3.4	0	10.8	2	1.2	1	0.341	-1	2.863	-1	8.405	0	2165	66	2.1
4282.9	10000	38.3707	94.2455	-769	PM	3.4	0	10.8	2	1.2	1	0.346	-1	2.925	-1	8.446	0	2166	71	2.1
4282.8	10000	38.3707	94.2447	-770	PM	3.4	0	10.8	2	1.2	1	0.346	-1	2.911	-1	8.446	0	2171	51	2.1
4282.7	10000	38.3707	94.2439	-771	PM	3.4	0	10.8	2	1.2	1	0.346	-1	2.911	-1	8.446	0	2151	51	2.1
4282.6	10000	38.3707	94.2431	-772	PM	3.5	0	10.8	2	1.2	1	0.346	-1	2.911	-1	8.446	0	2142	51	2.1

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4282.5	10000	38.3707	94.2423	-772	PM	3.5	0	11.0	1	1.1	0	0.321	-1	3.249	0	10.121	1	2116	47	2.1
4282.4	10000	38.3707	94.2415	-773	PM	3.3	0	10.9	1	1.1	0	0.301	-1	3.026	0	10.049	1	2101	34	2.1
4282.3	10000	38.3707	94.2407	-773	PM	2.9	-1	10.7	1	1.1	0	0.274	-1	2.645	-1	9.650	1	2089	43	2.1
4282.2	10000	38.3706	94.2399	-774	PM	3.1	0	10.4	1	1.1	0	0.297	-1	2.773	-1	9.336	0	2077	38	2.1
4282.1	10000	38.3706	94.2390	-773	PM	3.1	0	10.6	1	1.1	0	0.289	-1	2.805	0	9.708	1	2069	44	2.1
4282.0	10000	38.3706	94.2383	-773	PM	2.9	-1	10.5	1	1.1	0	0.279	-1	2.622	-1	9.397	0	2068	46	2.1
4281.9	10000	38.3706	94.2374	-774	PM	3.1	0	10.4	1	1.1	0	0.295	-1	2.796	0	9.482	0	2089	55	2.1
4281.8	10000	38.3706	94.2366	-774	PM	3.2	0	10.7	1	1.1	0	0.304	-1	2.985	0	9.806	1	2108	46	2.1
4281.7	10000	38.3706	94.2358	-774	PM	3.2	0	10.7	1	1.1	0	0.303	-1	2.985	0	9.857	1	2103	41	2.1
4281.6	10000	38.3705	94.2350	-774	PM	3.5	0	10.8	1	1.0	0	0.326	0	3.430	0	10.511	1	2113	43	2.1
4281.5	10000	38.3705	94.2342	-773	PM	3.6	1	11.1	2	1.0	0	0.325	0	3.526	1	10.864	1	2140	45	2.1
4281.4	10000	38.3705	94.2334	-773	PM	3.6	1	10.9	1	1.0	0	0.334	0	3.569	1	10.681	1	2168	32	2.1
4281.3	10000	38.3705	94.2326	-772	PM	3.7	1	10.9	1	1.0	0	0.344	0	3.690	1	10.734	1	2196	33	2.1
4281.2	10000	38.3705	94.2318	-773	PM	3.6	1	11.0	2	1.0	0	0.328	0	3.454	1	10.516	1	2208	39	2.1
4281.1	10000	38.3705	94.2310	-773	PM	3.5	0	10.8	1	1.0	0	0.325	0	3.351	0	10.317	1	2213	40	2.1
4281.0	10000	38.3704	94.2302	-773	PM	3.7	1	10.5	1	1.1	0	0.351	0	3.546	1	10.107	1	2266	43	2.1
4280.9	10000	38.3704	94.2294	-774	PM	3.9	1	10.6	1	1.1	0	0.364	0	3.512	1	9.645	1	2268	37	2.1
4280.8	10000	38.3704	94.2286	-774	PM	3.9	1	10.5	1	1.1	0	0.367	0	3.652	1	9.946	1	2250	46	2.1
4280.7	10000	38.3704	94.2278	-775	PM	3.8	1	10.2	1	1.1	0	0.375	0	3.601	1	9.613	1	2219	39	2.1
4280.6	10000	38.3704	94.2270	-776	PM	4.2	2	10.1	1	1.0	0	0.415	1	4.073	1	9.823	1	2206	57	2.1
4280.5	10000	38.3703	94.2262	-777	PM	4.4	2	9.4	0	1.0	0	0.469	2	4.399	2	9.378	1	2166	52	2.1
4280.4	10000	38.3703	94.2254	-777	PM	4.4	2	9.0	0	1.0	-1	0.482	2	4.394	2	9.111	0	2124	45	2.1
4280.3	10000	38.3703	94.2246	-778	PM	4.1	1	9.1	1	1.0	-1	0.449	2	4.206	2	9.373	0	2067	63	2.1
4280.2	10000	38.3703	94.2238	-778	PM	4.0	1	8.8	1	0.9	-1	0.459	2	4.241	2	9.231	0	2031	44	2.1
4280.1	10000	38.3703	94.2230	-778	PM	3.7	1	8.3	1	0.9	-1	0.447	2	3.983	1	8.918	0	1978	43	2.1
4280.0	10000	38.3703	94.2222	-777	PM	3.6	1	8.5	1	1.0	-1	0.424	1	3.784	1	8.920	0	1956	42	2.1
4279.9	10000	38.3702	94.2213	-776	PM	3.4	1	8.2	1	1.0	-1	0.416	1	3.471	1	8.340	0	1930	36	2.1
4279.8	10000	38.3702	94.2206	-774	PM	3.4	0	8.5	1	1.0	-1	0.397	1	3.477	1	8.754	0	1923	49	2.1
4279.7	10000	38.3702	94.2197	-772	PM	3.4	0	8.6	1	1.0	-1	0.391	1	3.474	1	8.889	0	1923	35	2.1
4279.6	10000	38.3702	94.2189	-770	PM	3.4	0	8.4	1	1.0	-1	0.406	1	3.484	1	8.574	0	1915	48	2.1
4279.5	10000	38.3702	94.2181	-769	PM	3.4	0	8.4	1	1.0	-1	0.400	1	3.529	1	8.826	0	1920	45	2.1
4279.4	10000	38.3702	94.2173	-766	PM	3.5	0	8.6	1	1.0	-1	0.420	1	3.627	1	8.627	0	1954	45	2.1
4279.3	10000	38.3702	94.2165	-764	PM	3.6	0	8.4	1	1.0	-1	0.414	1	3.753	1	9.076	0	1972	55	2.1
4279.2	10000	38.3702	94.2157	-761	PM	3.6	0	8.4	1	1.0	-1	0.396	1	3.725	1	9.410	0	2005	46	2.1
4279.1	10000	38.3702	94.2148	-757	PM	3.4	0	8.6	1	1.0	-1	0.382	1	3.449	1	9.027	0	2028	38	2.1
4279.0	10000	38.3702	94.2140	-754	PM	3.6	0	8.8	1	1.0	-1	0.402	1	3.550	1	8.830	0	2055	42	2.1
4278.9	10000	38.3702	94.2132	-751	PM	3.6	0	8.8	1	1.0	-1	0.408	1	3.503	1	8.583	0	2103	44	2.1
4278.8	10000	38.3702	94.2124	-748	PM	3.8	0	8.8	1	1.0	-1	0.440	1	3.512	1	7.984	0	2139	39	2.1
4278.7	10000	38.3702	94.2116	-745	PM	3.7	0	8.8	1	1.0	-1	0.432	1	3.275	1	7.590	0	2165	41	2.1
4278.6	10000	38.3702	94.2108	-743	PM	3.6	0	8.8	1	1.0	-1	0.425	1	3.045	1	7.165	0	2197	38	2.1
4278.5	10000	38.3702	94.2099	-740	PM	3.5	0	8.7	1	1.0	-1	0.437	1	3.015	1	6.903	0	2202	50	2.1
4278.4	10000	38.3702	94.2091	-737	PM	3.5	0	8.8	1	1.0	-1	0.462	1	3.250	1	7.031	0	2213	36	2.1
4278.3	10000	38.3702	94.2083	-735	PM	3.5	0	8.8	1	1.0	-1	0.450	1	3.100	1	6.882	0	2202	45	2.1
4278.2	10000	38.3702	94.2075	-733	PM	3.7	1	8.8	1	1.0	-1	0.473	1	3.311	1	7.001	0	2185	45	2.1
4278.1	10000	38.3701	94.2067	-731	PM	3.7	1	8.8	1	1.0	-1	0.432	1	3.083	1	7.133	0	2150	43	2.1
4278.0	10000	38.3701	94.2059	-728	PM	3.8	1	8.8	1	1.0	-1	0.434	1	3.358	1	7.747	0	2126	38	2.1
4277.9	10000	38.3701	94.2050	-726	PM	4.1	1	8.8	1	1.0	-1	0.470	2	3.931	1	7.364	0	2088	43	2.1
4277.8	10000	38.3701	94.2042	-725	PM	4.0	0	8.8	1	1.0	-1	0.469	2	4.009	2	7.549	0	2075	35	2.1
4277.7	10000	38.3701	94.2034	-723	PM	3.9	0	8.8	1	1.0	-1	0.474	2	4.031	2	7.500	0	2053	48	2.1
4277.6	10000	38.3701	94.2026	-720	PM	3.9	0	8.8	1	1.0	-1	0.474	2	3.951	2	7.340	0	2033	45	2.1
4277.5	10000	38.3701	94.2018	-718	PM	3.9	0	8.8	1	1.0	-1	0.478	2	3.972	2	7.314	0	2015	45	2.1
4277.4	10000	38.3701	94.2009	-716	PM	4.0	0	8.4	1	1.0	-1	0.480	2	4.244	2	8.846	0	2011	36	2.1

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4277.3	10000	38.3701	94.2001	-715	PM	4.2	2	8.5	-1	1.0	-1	0.494	2	4.325	2	8.751	0	1999	52	2.1
4277.2	10000	38.3701	94.1993	-713	PM	4.0	1	8.7	-1	1.0	-1	0.464	2	4.107	2	8.857	0	1990	48	2.1
4277.1	10000	38.3701	94.1985	-711	PM	3.8	1	9.0	0	1.0	-1	0.426	1	3.894	1	9.133	0	1971	41	2.1
4277.0	10000	38.3701	94.1977	-709	PM	3.7	1	8.6	-1	1.0	-1	0.432	1	3.842	1	8.885	0	1968	50	2.1
4276.9	10000	38.3701	94.1969	-707	PM	3.7	1	8.9	0	1.0	-1	0.411	1	3.852	1	9.362	0	1964	41	2.1
4276.8	10000	38.3701	94.1960	-705	PM	3.2	1	9.0	0	1.0	-1	0.358	1	3.275	1	9.153	0	1970	40	2.1
4276.7	10000	38.3701	94.1952	-704	PM	3.1	0	8.8	-1	1.0	-1	0.353	1	3.172	0	8.995	0	1982	48	2.1
4276.6	10000	38.3701	94.1944	-702	PM	2.8	-1	8.7	-1	1.0	-1	0.326	0	2.908	0	8.935	0	1976	47	2.1
4276.5	10000	38.3701	94.1936	-700	PM	2.9	-1	8.4	-1	1.0	0	0.341	0	2.778	-1	8.144	-1	1989	52	2.1
4276.4	10000	38.3701	94.1928	-698	PM	3.1	0	8.0	-1	1.0	0	0.384	1	2.955	0	7.692	-1	1977	54	2.1
4276.3	10000	38.3701	94.1920	-697	PM	3.4	0	8.3	-1	1.0	0	0.405	1	3.133	0	7.730	-1	1980	48	2.1
4276.2	10000	38.3701	94.1911	-695	PM	3.5	0	8.2	-1	1.0	0	0.430	1	3.354	0	7.806	-1	1992	34	2.1
4276.1	10000	38.3701	94.1903	-693	PM	3.6	1	8.4	-1	1.1	0	0.428	1	3.408	0	7.971	-1	1996	55	2.0
4276.0	10000	38.3701	94.1895	-691	PM	3.7	1	8.4	-1	1.1	0	0.445	1	3.495	1	7.847	-1	1991	41	2.0
4275.9	10000	38.3701	94.1887	-688	PM	3.9	1	8.6	-1	1.1	0	0.456	2	3.564	1	7.823	-1	2017	43	2.0
4275.8	10000	38.3701	94.1879	-687	PM	3.7	1	9.1	0	1.1	0	0.405	1	3.293	0	8.134	-1	2035	50	2.0
4275.7	10000	38.3701	94.1871	-685	PM	3.7	1	9.0	0	1.1	0	0.405	1	3.207	0	7.924	-1	2043	34	2.0
4275.6	10000	38.3701	94.1862	-683	PM	3.2	1	9.2	0	1.2	0	0.345	1	2.764	-1	8.014	-1	2052	49	2.0
4275.5	10000	38.3701	94.1854	-682	PM	3.1	1	9.3	0	1.2	0	0.329	1	2.600	-1	7.894	-1	2040	48	2.0
4275.4	10000	38.3701	94.1846	-680	PM	3.2	1	9.3	0	1.2	0	0.366	1	2.788	-1	7.608	-1	2044	50	2.0
4275.3	10000	38.3701	94.1838	-677	PM	3.3	1	9.1	0	1.2	0	0.344	1	2.771	-1	8.066	-1	2064	43	2.0
4275.2	10000	38.3700	94.1830	-674	PM	3.6	1	9.2	0	1.2	0	0.361	1	2.912	0	8.060	-1	2064	47	2.0
4275.1	10000	38.3701	94.1822	-672	PM	3.7	1	9.4	0	1.2	0	0.390	1	3.196	0	8.191	0	2090	34	2.0
4275.0	10000	38.3701	94.1813	-669	PM	4.2	1	9.3	0	1.2	0	0.401	1	3.413	0	8.519	0	2129	53	2.0
4274.9	10000	38.3700	94.1805	-667	PM	4.5	1	9.3	0	1.2	0	0.454	2	3.800	1	8.368	0	2169	44	2.0
4274.8	10000	38.3700	94.1797	-666	PM	4.5	1	9.3	0	1.2	0	0.488	2	3.889	1	7.975	-1	2232	40	1.9
4274.7	10000	38.3700	94.1789	-664	PM	4.6	1	9.6	0	1.2	0	0.475	2	3.863	1	8.129	-1	2278	48	1.9
4274.6	10000	38.3700	94.1781	-662	PM	4.6	1	9.7	0	1.2	0	0.475	2	3.803	1	7.999	-1	2312	44	1.9
4274.5	10000	38.3700	94.1773	-659	PM	4.5	1	9.5	0	1.3	0	0.429	1	3.497	1	8.145	-1	2367	44	1.9
4274.4	10000	38.3700	94.1764	-656	PM	4.7	1	10.4	1	1.3	0	0.449	2	3.618	1	8.050	-1	2385	40	1.9
4274.3	10000	38.3700	94.1756	-652	PM	4.6	1	9.9	0	1.3	0	0.442	2	3.631	1	8.211	-1	2444	40	1.9
4274.2	10000	38.3700	94.1748	-650	PM	4.3	1	9.2	0	1.3	0	0.422	2	3.497	1	8.288	-1	2493	32	1.9
4274.1	10000	38.3700	94.1740	-647	PM	4.2	1	9.3	0	1.3	0	0.394	1	3.359	1	8.526	-1	2513	48	1.9
4274.0	10000	38.3700	94.1732	-644	PM	4.2	1	9.2	0	1.3	0	0.394	1	3.355	1	8.514	-1	2532	44	1.9
4273.9	10000	38.3700	94.1723	-640	PM	4.2	1	9.3	0	1.3	0	0.377	1	3.375	1	8.947	-1	2547	47	1.9
4273.8	10000	38.3700	94.1715	-636	PM	4.2	1	9.3	0	1.3	0	0.375	1	3.502	1	9.338	-1	2540	42	1.9
4273.7	10000	38.3700	94.1707	-634	PM	4.2	1	9.3	0	1.3	0	0.365	1	3.533	1	9.677	-1	2536	45	1.9
4273.6	10000	38.3700	94.1699	-630	PM	4.2	1	9.3	0	1.3	0	0.352	1	3.331	1	9.460	-1	2488	55	1.9
4273.5	10000	38.3700	94.1691	-625	PM	4.2	1	9.3	0	1.3	0	0.368	1	3.331	1	9.054	-1	2434	50	1.9
4273.4	10000	38.3700	94.1683	-618	PM	4.2	1	9.3	0	1.3	0	0.368	1	3.331	1	9.054	-1	2402	55	1.9
4273.3	10000	38.3700	94.1674	-612	PM	4.2	1	9.3	0	1.3	0	0.368	1	3.331	1	9.054	-1	2362	56	1.9
4273.2	10000	38.3700	94.1666	-605	PM	4.2	1	9.3	0	1.3	0	0.368	1	3.331	1	9.054	-1	2323	49	1.9
4273.1	10000	38.3700	94.1658	-599	PM	4.2	1	9.3	0	1.3	0	0.368	1	3.331	1	9.054	-1	2285	47	1.9
4273.0	10000	38.3700	94.1650	-591	PM	4.2	1	9.3	0	1.3	0	0.368	1	3.331	1	9.054	-1	2224	36	1.9
4272.9	10000	38.3700	94.1642	-585	PM	4.2	1	9.3	0	1.3	0	0.368	1	3.331	1	9.054	-1	2168	44	1.9
4272.8	10000	38.3700	94.1634	-577	PM	4.2	1	9.3	0	1.3	0	0.368	1	3.331	1	9.054	-1	2139	47	1.9
4272.7	10000	38.3700	94.1626	-569	PM	4.2	1	9.3	0	1.3	0	0.368	1	3.331	1	9.054	-1	2091	34	1.9
4272.6	10000	38.3700	94.1617	-561	PM	4.2	1	9.3	0	1.3	0	0.368	1	3.331	1	9.054	-1	2071	43	1.9
4272.5	10000	38.3700	94.1609	-554	PM	4.2	1	9.3	0	1.3	0	0.368	1	3.331	1	9.054	-1	2034	45	1.9
4272.4	10000	38.3700	94.1601	-546	PM	4.2	1	9.3	0	1.3	0	0.368	1	3.331	1	9.054	-1	2015	34	1.9
4272.3	10000	38.3699	94.1593	-538	PM	4.2	1	9.3	0	1.3	0	0.368	1	3.331	1	9.054	-1	2025	45	1.9
4272.2	10000	38.3699	94.1585	-531	PM	4.2	1	9.3	0	1.3	0	0.368	1	3.331	1	9.054	-1	2034	45	1.9

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4272.1	10000	38.3699	94.1577	-525	PM	3.6	1	9.5	0	1.0	0	0.380	0	3.501	1	9.222	0	2030	54	1.7
4272.0	10000	38.3699	94.1568	-519	PM	3.6	1	9.5	0	1.0	0	0.382	0	3.456	1	9.043	0	2038	70	1.7
4271.9	10000	38.3699	94.1560	-513	PM	3.8	1	9.6	0	1.1	0	0.398	1	3.602	1	9.043	0	2068	58	1.6
4271.8	10000	38.3699	94.1552	-508	PM	4.1	1	9.9	0	1.1	0	0.410	1	3.650	1	8.908	0	2104	45	1.6
4271.7	10000	38.3699	94.1544	-502	PM	3.9	1	9.6	0	1.1	0	0.404	1	3.502	1	8.676	0	2138	52	1.6
4271.6	10000	38.3699	94.1536	-497	PM	4.1	2	9.9	0	1.2	1	0.418	1	3.536	1	8.458	0	2152	41	1.6
4271.5	10000	38.3699	94.1527	-492	PM	3.8	1	10.0	1	1.2	1	0.379	1	3.270	1	8.631	0	2157	50	1.6
4271.4	10000	38.3699	94.1519	-489	PM	3.7	1	9.9	0	1.2	1	0.378	1	3.119	1	8.243	0	2151	58	1.6
4271.3	10000	38.3699	94.1511	-487	PM	3.9	1	9.7	0	1.2	1	0.401	1	3.330	1	8.309	0	2129	34	1.6
4271.2	10000	38.3699	94.1503	-485	PM	3.5	1	9.7	0	1.1	0	0.362	1	3.148	1	8.685	0	2089	43	1.6
4271.1	10000	38.3699	94.1495	-483	PM	3.6	1	9.3	0	1.1	0	0.388	1	3.404	1	8.770	0	2041	38	1.6
4271.0	10000	38.3699	94.1487	-480	PM	3.5	1	9.4	0	1.0	0	0.376	1	3.384	1	8.903	0	1970	69	1.6
4270.9	10000	38.3699	94.1478	-478	PM	3.4	1	8.8	-1	1.0	-1	0.382	1	3.429	1	8.981	0	1914	39	1.6
4270.8	10000	38.3699	94.1470	-476	PM	3.5	1	8.6	-1	1.0	-1	0.409	1	3.528	1	8.618	0	1869	35	1.6
4270.7	10000	38.3699	94.1462	-476	PM	3.5	1	8.4	-1	1.0	-1	0.422	1	3.685	1	8.723	0	1840	48	1.5
4270.6	10000	38.3699	94.1454	-476	PM	3.5	1	8.2	-1	0.9	-1	0.409	1	3.679	1	8.988	0	1811	45	1.5
4270.5	10000	38.3699	94.1446	-474	PM	3.5	1	7.9	-1	0.9	-1	0.442	1	4.107	2	9.285	0	1777	48	1.5
4270.4	10000	38.3699	94.1438	-470	PM	3.6	1	8.1	-1	0.8	-2	0.439	1	4.240	2	9.661	1	1762	38	1.5
4270.3	10000	38.3699	94.1429	-467	PM	3.7	1	7.9	-1	0.8	-2	0.467	2	4.611	2	9.878	1	1771	48	1.5
4270.2	10000	38.3699	94.1421	-469	PM	3.5	1	8.1	-1	0.8	-2	0.436	1	4.342	2	9.956	1	1779	58	1.5
4270.1	10000	38.3699	94.1413	-473	PM	3.7	1	8.0	-1	0.8	-2	0.467	2	4.590	2	9.833	1	1792	57	1.5
4270.0	10000	38.3699	94.1405	-476	PM	3.8	1	8.2	-1	0.8	-2	0.467	2	4.893	3	10.472	1	1801	49	1.5
4269.9	10000	38.3699	94.1397	-478	PM	3.9	1	8.3	-1	0.8	-2	0.472	2	4.827	3	10.226	1	1832	49	1.5
4269.8	10000	38.3699	94.1389	-479	PM	3.7	1	8.0	-1	0.8	-2	0.466	2	4.322	2	9.274	1	1865	43	1.5
4269.7	10000	38.3699	94.1380	-479	PM	3.9	1	8.4	-1	0.9	-1	0.463	2	4.257	2	9.192	1	1866	34	1.5
4269.6	10000	38.3699	94.1372	-480	PM	3.7	1	8.3	-1	0.9	-1	0.443	1	3.842	1	8.664	0	1863	49	1.5
4269.5	10000	38.3699	94.1364	-481	PM	3.8	1	8.5	-1	1.0	-1	0.449	2	3.740	1	8.322	0	1864	53	1.5
4269.4	10000	38.3699	94.1356	-482	PM	3.7	1	8.2	-1	1.0	-1	0.449	2	3.801	1	8.465	0	1859	42	1.5
4269.3	10000	38.3698	94.1348	-483	PM	3.5	1	8.0	-1	1.0	-1	0.431	1	3.606	1	8.365	0	1867	53	1.5
4269.2	10000	38.3698	94.1340	-483	PM	3.5	1	8.1	-1	1.0	-1	0.429	1	3.684	1	8.584	0	1869	58	1.5
4269.1	10000	38.3698	94.1331	-484	PM	3.9	1	8.4	-1	1.0	-1	0.454	2	3.938	1	8.677	0	1885	45	1.5
4269.0	10000	38.3698	94.1323	-485	PM	4.0	1	8.6	-1	1.0	-1	0.477	2	4.117	2	8.629	0	1922	48	1.5
4268.9	10000	38.3698	94.1315	-485	PM	4.1	2	8.8	-1	1.0	-1	0.485	2	4.302	2	8.876	0	1944	42	1.5
4268.8	10000	38.3698	94.1307	-486	PM	4.3	2	8.8	-1	1.0	-1	0.520	2	4.522	2	8.691	0	1967	41	1.5
4268.7	10000	38.3698	94.1299	-486	PM	4.1	2	8.8	-1	1.0	-1	0.499	2	4.274	2	8.573	0	1982	47	1.5
4268.6	10000	38.3698	94.1290	-488	PM	4.2	2	8.8	-1	1.0	-1	0.527	2	4.357	2	8.274	0	1957	44	1.5
4268.5	10000	38.3698	94.1282	-488	PM	4.1	2	8.8	-1	1.0	-1	0.541	2	4.308	2	7.963	0	1915	41	1.5
4268.4	10000	38.3698	94.1274	-489	PM	3.9	2	7.9	-2	1.0	-1	0.506	2	4.436	2	7.774	0	1875	43	1.5
4268.3	10000	38.3698	94.1266	-490	PM	3.7	2	7.6	-2	1.0	-1	0.489	2	4.027	2	7.240	0	1836	50	1.5
4268.2	10000	38.3698	94.1258	-491	PM	3.8	2	7.6	-2	1.0	-1	0.494	2	4.167	2	7.440	0	1811	46	1.5
4268.1	10000	38.3698	94.1250	-492	PM	3.6	2	7.4	-2	1.0	-1	0.481	2	4.111	2	7.553	0	1772	22	1.5
4268.0	10000	38.3698	94.1241	-492	PM	3.6	2	7.6	-2	1.0	-1	0.477	2	4.232	2	7.873	0	1754	44	1.5
4267.9	10000	38.3698	94.1233	-492	PM	3.6	2	7.7	-2	1.0	-1	0.460	2	4.141	2	7.999	0	1756	51	1.5
4267.8	10000	38.3698	94.1225	-493	PM	3.5	2	8.1	-1	1.0	-1	0.435	2	3.995	2	8.176	0	1780	38	1.5
4267.7	10000	38.3698	94.1217	-493	PM	3.4	2	7.9	-1	1.0	-1	0.435	2	3.759	3	8.649	0	1794	47	1.5
4267.6	10000	38.3698	94.1209	-492	PM	3.4	2	8.0	-1	1.0	-1	0.429	2	3.860	3	9.002	0	1824	53	1.5
4267.5	10000	38.3698	94.1201	-491	PM	3.7	2	8.1	-1	1.0	-1	0.425	2	3.680	3	8.667	0	1866	49	1.5
4267.4	10000	38.3698	94.1192	-490	PM	3.7	2	8.3	-1	1.0	-1	0.441	2	3.903	3	8.847	0	1919	49	1.5
4267.3	10000	38.3698	94.1184	-488	PM	4.1	2	8.5	-1	1.0	-1	0.486	2	4.288	3	8.825	0	1969	53	1.5
4267.2	10000	38.3698	94.1176	-485	PM	4.3	2	8.8	-1	1.0	-1	0.486	2	4.430	3	9.117	0	2023	42	1.5
4267.1	10000	38.3698	94.1168	-483	PM	4.4	2	8.9	-1	1.0	-1	0.492	2	4.513	3	9.172	0	2071	53	1.5
4267.0	10000	38.3698	94.1160	-479	PM	4.7	3	9.2	0	1.0	-1	0.512	3	4.792	3	9.355	0	2115	58	1.5

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4266.9	10000	38.3698	94.1152	-475	PM	5.1	3	8.9	0	1.0	-1	0.570	3	5.168	3	9.061	0	2145	55	1.5
4266.8	10000	38.3697	94.1143	-472	PM	5.0	3	9.4	0	1.0	-1	0.531	3	5.001	3	9.426	0	2164	52	1.5
4266.7	10000	38.3697	94.1135	-468	PM	4.8	3	10.1	1	1.0	-1	0.472	2	4.813	3	10.207	1	2185	49	1.5
4266.6	10000	38.3697	94.1127	-464	PM	4.4	2	10.3	1	1.0	0	0.429	1	4.244	2	9.904	1	2192	58	1.5
4266.5	10000	38.3697	94.1119	-459	PM	4.4	2	10.0	1	1.1	0	0.435	1	3.956	1	9.085	0	2204	51	1.5
4266.4	10000	38.3697	94.1111	-455	PM	4.6	2	10.0	1	1.1	0	0.454	2	4.059	1	8.937	0	2210	32	1.5
4266.3	10000	38.3697	94.1103	-451	PM	4.6	2	10.1	1	1.1	0	0.456	2	4.079	2	8.949	0	2220	41	1.5
4266.2	10000	38.3697	94.1094	-447	PM	4.2	2	10.7	1	1.1	0	0.396	1	3.695	1	9.343	0	2241	47	1.5
4266.1	10000	38.3697	94.1086	-443	PM	4.3	2	10.3	1	1.2	1	0.416	1	3.682	1	8.858	0	2246	48	1.5
4266.0	10000	38.3697	94.1078	-440	PM	4.4	2	9.7	0	1.2	1	0.450	2	3.712	1	8.248	0	2234	43	1.5
4265.9	10000	38.3697	94.1070	-437	PM	4.4	2	9.6	0	1.1	0	0.458	2	3.851	1	8.409	0	2233	40	1.5
4265.8	10000	38.3698	94.1062	-435	PM	4.6	3	9.5	0	1.1	0	0.488	2	4.210	2	8.631	0	2216	36	1.5
4265.7	10000	38.3698	94.1054	-432	PM	4.3	2	9.0	0	1.1	0	0.478	2	3.998	1	8.358	0	2196	53	1.5
4265.6	10000	38.3698	94.1046	-430	PM	4.0	1	9.4	0	1.1	0	0.427	1	3.778	1	8.851	0	2165	58	1.5
4265.5	10000	38.3698	94.1038	-428	PM	3.7	1	9.6	0	1.1	0	0.385	1	3.495	1	9.085	0	2126	54	1.5
4265.4	10000	38.3698	94.1030	-427	PM	3.9	1	9.5	0	1.0	0	0.410	1	3.799	1	9.266	0	2108	58	1.5
4265.3	10000	38.3698	94.1022	-425	PM	4.1	2	9.3	0	1.0	-1	0.444	1	4.262	2	9.604	1	2106	38	1.5
4265.2	10000	38.3698	94.1013	-423	PM	4.2	2	9.3	0	1.0	-1	0.455	2	4.324	2	9.510	0	2106	47	1.5
4265.1	10000	38.3698	94.1005	-422	PM	3.9	1	9.7	0	1.0	-1	0.400	1	3.922	1	9.817	1	2137	46	1.6
4265.0	10000	38.3698	94.0997	-420	PM	4.2	2	10.3	1	1.0	0	0.410	1	4.195	2	10.227	1	2187	37	1.6
4264.9	10000	38.3698	94.0989	-418	PM	4.6	2	9.8	0	1.1	0	0.467	2	4.343	2	9.296	0	2239	44	1.6
4264.8	10000	38.3698	94.0981	-416	PM	5.1	2	9.4	0	1.1	0	0.544	3	4.767	3	8.760	0	2289	41	1.6
4264.7	10000	38.3698	94.0973	-414	PM	5.2	2	9.4	0	1.1	0	0.548	3	4.620	2	8.434	0	2328	40	1.6
4264.6	10000	38.3698	94.0965	-411	PM	5.2	2	9.8	0	1.2	1	0.527	3	4.202	2	7.976	-1	2369	43	1.6
4264.5	10000	38.3698	94.0957	-408	PM	5.2	2	9.8	0	1.2	1	0.531	3	4.311	2	8.112	-1	2381	54	1.6
4264.4	10000	38.3699	94.0949	-405	PM	5.4	2	9.6	0	1.2	1	0.561	3	4.524	2	8.066	-1	2361	38	1.6
4264.3	10000	38.3699	94.0941	-404	PM	5.1	2	9.5	0	1.2	1	0.539	3	4.216	2	7.826	-1	2356	46	1.6
4264.2	10000	38.3699	94.0933	-403	PM	5.2	2	9.5	0	1.2	1	0.547	3	4.299	2	7.855	-1	2364	48	1.6
4264.1	10000	38.3699	94.0925	-400	PC	5.2	2	9.6	0	1.2	1	0.548	3	4.383	2	7.996	-1	2365	38	1.6
4264.0	10000	38.3699	94.0916	-399	PC	5.0	2	9.6	0	1.2	1	0.513	3	4.435	2	8.652	-1	2362	44	1.6
4263.9	10000	38.3699	94.0908	-398	PC	4.8	2	9.9	0	1.2	1	0.502	3	4.402	2	8.776	-1	2342	45	1.6
4263.8	10000	38.3699	94.0900	-396	PC	4.4	2	9.9	0	1.2	1	0.482	3	4.169	2	8.656	-1	2335	49	1.6
4263.7	10000	38.3699	94.0892	-395	PC	4.4	2	10.0	1	1.2	1	0.463	3	4.060	2	8.775	-1	2342	42	1.6
4263.6	10000	38.3699	94.0884	-394	PC	4.3	2	9.9	0	1.2	1	0.502	3	4.396	2	8.756	-1	2308	47	1.6
4263.5	10000	38.3699	94.0876	-393	PC	4.4	2	9.9	0	1.2	1	0.464	3	4.188	2	9.032	-1	2275	47	1.6
4263.4	10000	38.3699	94.0868	-392	PC	4.4	2	9.8	0	1.2	1	0.433	3	3.849	2	8.896	-1	2238	57	1.6
4263.3	10000	38.3699	94.0860	-391	PC	4.4	2	9.9	0	1.2	1	0.431	3	3.716	2	8.628	-1	2204	43	1.6
4263.2	10000	38.3699	94.0852	-389	PC	4.4	2	9.9	0	1.2	1	0.411	3	3.769	2	9.162	-1	2195	51	1.6
4263.1	10000	38.3699	94.0844	-388	PC	4.4	2	9.9	0	1.2	1	0.388	3	3.683	2	9.491	-1	2203	34	1.6
4263.0	10000	38.3700	94.0836	-387	PC	4.4	2	9.9	0	1.2	1	0.398	3	3.657	2	9.190	-1	2211	50	1.6
4262.9	10000	38.3699	94.0827	-386	PC	4.4	2	9.9	0	1.2	1	0.391	3	3.543	2	9.057	-1	2250	46	1.6
4262.8	10000	38.3700	94.0819	-385	PC	4.4	2	9.9	0	1.2	1	0.390	3	3.363	2	9.063	-1	2285	55	1.6
4262.7	10000	38.3700	94.0811	-385	PC	4.4	2	9.9	0	1.2	1	0.400	3	3.609	2	9.025	-1	2335	49	1.6
4262.6	10000	38.3700	94.0803	-384	PC	4.4	2	9.9	0	1.2	1	0.415	3	3.733	2	8.987	-1	2403	46	1.6
4262.5	10000	38.3700	94.0795	-384	PC	4.4	2	9.9	0	1.2	1	0.439	3	3.670	2	8.363	-1	2462	45	1.6
4262.4	10000	38.3700	94.0787	-385	PC	4.4	2	9.9	0	1.2	1	0.506	3	3.896	2	7.698	-1	2533	43	1.6
4262.3	10000	38.3700	94.0779	-386	PC	4.4	2	9.9	0	1.2	1	0.508	3	3.924	2	7.579	-1	2607	43	1.6
4262.2	10000	38.3700	94.0771	-387	PC	4.4	2	9.9	0	1.2	1	0.500	3	3.877	2	7.756	-1	2656	47	1.6
4262.1	10000	38.3700	94.0763	-388	PC	4.4	2	9.9	0	1.2	1	0.480	3	3.706	2	7.748	-1	2679	53	1.6
4262.0	10000	38.3700	94.0755	-389	PC	4.4	2	9.9	0	1.2	1	0.481	3	3.709	2	7.718	-1	2702	37	1.6
4261.9	10000	38.3700	94.0747	-389	PC	4.4	2	9.9	0	1.2	1	0.530	3	3.824	2	7.272	-1	2736	44	1.6
4261.8	10000	38.3700	94.0738	-389	PC	4.4	2	9.9	0	1.2	1	0.565	3	4.288	2	7.586	-1	2797	47	1.6

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4261.7	10000	38.3700	94.0730	-391	PC	6.6	4	11.0	1	1.4	1	0.600	3	4.675	2	7.797	-1	2875	44	1.6
4261.6	10000	38.3700	94.0722	-392	PC	6.9	5	10.9	1	1.4	1	0.636	4	5.029	3	7.903	-1	2922	47	1.6
4261.5	10000	38.3700	94.0714	-393	PC	7.3	5	10.6	1	1.4	1	0.684	4	5.069	3	7.406	-1	2955	38	1.6
4261.4	10000	38.3701	94.0706	-395	PC	7.5	6	10.1	1	1.5	2	0.739	5	5.044	3	6.824	-1	2983	43	1.6
4261.3	10000	38.3701	94.0698	-396	PC	7.9	6	10.5	1	1.5	2	0.754	5	5.343	3	7.088	-1	2988	39	1.6
4261.2	10000	38.3701	94.0690	-398	PC	7.5	6	10.8	1	1.5	2	0.694	4	5.130	3	7.389	-1	2953	45	1.6
4261.1	10000	38.3701	94.0682	-399	PC	6.7	5	10.7	1	1.5	2	0.627	3	4.538	2	7.236	-1	2869	45	1.6
4261.0	10000	38.3701	94.0674	-401	PC	6.1	4	11.0	1	1.4	2	0.551	2	4.195	2	7.614	-1	2753	44	1.6
4260.9	10000	38.3701	94.0666	-402	PC	5.6	3	11.3	2	1.5	2	0.494	2	3.833	1	7.753	-1	2656	37	1.6
4260.8	10000	38.3701	94.0658	-403	PC	5.0	2	11.3	2	1.4	1	0.448	1	3.593	1	8.016	0	2554	58	1.6
4260.7	10000	38.3701	94.0649	-405	PC	4.9	2	11.4	2	1.3	1	0.429	1	3.706	1	8.639	0	2482	38	1.6
4260.6	10000	38.3701	94.0641	-406	PC	4.4	2	11.1	2	1.3	1	0.401	1	3.437	1	8.577	0	2412	52	1.6
4260.5	10000	38.3701	94.0633	-407	PC	4.3	1	10.9	1	1.3	1	0.391	1	3.377	0	8.628	0	2335	50	1.6
4260.4	10000	38.3701	94.0625	-408	PC	4.0	1	10.9	1	1.2	1	0.368	1	3.282	0	8.913	0	2285	48	1.7
4260.3	10000	38.3701	94.0617	-406	PC	3.6	1	10.2	1	1.3	1	0.353	1	2.887	0	8.179	0	2220	47	1.7
4260.2	10000	38.3701	94.0609	-406	PC	3.6	1	10.0	1	1.2	0	0.361	0	3.037	0	8.411	0	2179	38	1.7
4260.1	10000	38.3701	94.0601	-405	PC	3.5	1	9.9	1	1.1	0	0.355	0	3.173	0	8.935	0	2143	56	1.7
4260.0	10000	38.3702	94.0593	-402	PC	3.6	1	9.9	1	1.1	0	0.357	0	3.164	0	8.851	0	2118	38	1.7
4259.9	10000	38.3702	94.0585	-400	PC	3.6	1	10.0	1	1.1	0	0.359	0	3.399	0	9.462	0	2103	59	1.7
4259.8	10000	38.3702	94.0577	-398	PC	3.8	1	10.1	1	1.0	0	0.371	0	3.726	1	10.049	1	2109	49	1.7
4259.7	10000	38.3702	94.0569	-397	PC	3.8	1	10.1	1	1.0	0	0.377	0	3.840	1	10.194	1	2079	52	1.7
4259.6	10000	38.3702	94.0560	-398	PC	3.8	1	10.5	1	1.0	-1	0.361	0	3.954	1	10.959	1	2075	39	1.7
4259.5	10000	38.3702	94.0552	-402	PC	3.7	1	10.2	1	1.0	0	0.360	0	3.754	1	10.432	1	2050	42	1.7
4259.4	10000	38.3702	94.0544	-408	PC	3.8	1	10.3	1	1.0	0	0.365	0	3.938	1	10.787	1	2037	47	1.7
4259.3	10000	38.3702	94.0536	-415	PC	3.6	1	9.6	1	0.9	-1	0.376	0	3.893	1	10.345	1	2008	44	1.7
4259.2	10000	38.3702	94.0528	-421	PC	3.6	1	9.4	1	0.9	-1	0.382	0	3.974	1	10.395	1	1983	35	1.7
4259.1	10000	38.3702	94.0520	-427	PC	3.5	1	9.2	1	0.9	-1	0.383	0	3.996	1	10.422	1	1945	41	1.7
4259.0	10000	38.3702	94.0512	-432	PC	3.8	1	8.8	0	0.8	-1	0.431	1	4.516	2	10.490	1	1931	46	1.7
4258.9	10000	38.3702	94.0504	-435	PC	3.8	1	8.6	-1	0.8	-1	0.444	1	4.876	2	10.981	2	1907	46	1.7
4258.8	10000	38.3702	94.0496	-438	PC	3.8	1	8.5	-1	0.7	-1	0.444	1	5.125	3	11.531	2	1882	49	1.7
4258.7	10000	38.3702	94.0488	-440	PC	3.8	1	8.5	-1	0.7	-1	0.458	1	5.019	3	10.965	1	1857	38	1.7
4258.6	10000	38.3703	94.0480	-442	PC	3.8	1	8.5	-1	0.7	-1	0.469	1	5.230	3	11.158	1	1821	59	1.7
4258.5	10000	38.3703	94.0471	-442	PC	3.8	1	8.5	-1	0.7	-1	0.455	1	5.062	3	11.129	1	1776	35	1.7
4258.4	10000	38.3703	94.0463	-442	PC	3.8	1	8.5	-1	0.7	-1	0.448	1	4.881	2	10.900	1	1751	45	1.7
4258.3	10000	38.3703	94.0455	-442	PC	3.8	1	8.5	-1	0.7	-1	0.430	1	4.916	2	11.442	2	1749	45	1.7
4258.2	10000	38.3703	94.0447	-442	PC	3.8	1	8.5	-1	0.7	-1	0.423	1	4.543	2	10.738	1	1744	46	1.7
4258.1	10000	38.3703	94.0439	-441	PC	3.8	1	8.5	-1	0.7	-1	0.410	1	4.449	2	10.849	1	1758	50	1.7
4258.0	10000	38.3703	94.0431	-441	PC	3.8	1	8.5	-1	0.7	-1	0.408	1	4.484	2	11.000	1	1787	43	1.7
4257.9	10000	38.3703	94.0423	-441	PC	3.8	1	8.5	-1	0.7	-1	0.357	1	4.145	2	11.612	1	1834	41	1.7
4257.8	10000	38.3703	94.0415	-440	PC	3.8	1	8.5	-1	0.7	-1	0.352	1	4.048	2	11.501	1	1890	52	1.7
4257.7	10000	38.3703	94.0407	-439	PC	3.8	1	8.5	-1	0.7	-1	0.370	1	4.133	2	11.160	1	1939	36	1.7
4257.6	10000	38.3703	94.0399	-437	PC	3.8	1	8.5	-1	0.7	-1	0.360	1	4.088	2	11.790	1	1967	40	1.7
4257.5	10000	38.3703	94.0391	-435	PC	3.8	1	8.5	-1	0.7	-1	0.362	1	4.016	2	11.092	1	2015	51	1.7
4257.4	10000	38.3703	94.0383	-433	PC	3.8	1	8.5	-1	0.7	-1	0.374	1	4.134	2	11.068	1	2037	33	1.7
4257.3	10000	38.3703	94.0374	-431	PC	3.8	1	8.5	-1	0.7	-1	0.361	1	3.956	2	10.965	1	2059	38	1.7
4257.2	10000	38.3703	94.0366	-429	PC	3.8	1	8.5	-1	0.7	-1	0.359	1	3.984	2	11.092	1	2094	49	1.7
4257.1	10000	38.3703	94.0358	-428	PC	3.8	1	8.5	-1	0.7	-1	0.378	1	4.125	2	11.501	1	2125	41	1.7
4257.0	10000	38.3704	94.0350	-427	PC	3.8	1	8.5	-1	0.7	-1	0.350	1	3.760	2	10.732	1	2155	44	1.7
4256.9	10000	38.3704	94.0342	-428	PC	3.8	1	8.5	-1	0.7	-1	0.369	1	3.962	2	11.321	1	2188	44	1.7
4256.8	10000	38.3704	94.0334	-431	PC	3.8	1	8.5	-1	0.7	-1	0.337	1	3.621	2	10.344	1	2215	44	1.7
4256.7	10000	38.3704	94.0326	-435	PC	3.8	1	8.5	-1	0.7	-1	0.337	1	3.621	2	10.344	1	2226	44	1.7
4256.6	10000	38.3704	94.0318	-438	PC	3.8	1	8.5	-1	0.7	-1	0.337	1	3.621	2	10.344	1	2295	44	1.7

LINE 680 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
4256.5	10000	38.3704	94.0310	-439	PC	3.8	1	11.5	2	1.2	1	0.330	0	3.136	0	9.507	1	2298	51	1.8
4256.4	10000	38.3704	94.0302	-444	PC	3.7	1	11.5	2	1.3	1	0.320	0	2.814	0	8.801	0	2310	55	1.8
4256.3	10000	38.3704	94.0293	-449	PC	3.7	1	11.8	2	1.3	1	0.312	0	2.875	0	9.217	0	2301	44	1.8
4256.2	10000	38.3704	94.0285	-455	PC	3.8	1	11.5	2	1.3	1	0.330	0	2.860	0	8.672	0	2301	40	1.8
4256.1	10000	38.3704	94.0277	-459	PC	3.5	0	11.7	2	1.3	1	0.296	-1	2.608	-1	8.811	0	2292	49	1.8
4256.0	10000	38.3704	94.0269	-463	PC	3.5	0	11.4	2	1.3	1	0.308	-1	2.667	0	8.667	0	2259	48	1.8
4255.9	10000	38.3704	94.0261	-468	PC	3.4	0	11.4	2	1.3	1	0.301	-1	2.723	0	9.045	0	2238	44	1.8
4255.8	10000	38.3704	94.0253	-471	PC	3.9	1	10.7	1	1.3	1	0.366	0	3.113	0	8.498	0	2237	32	1.8
4255.7	10000	38.3704	94.0245	-474	PC	4.1	1	10.6	1	1.1	0	0.384	0	3.571	1	9.293	0	2231	49	1.8
4255.6	10000	38.3704	94.0237	-477	PC	4.1	1	10.4	1	1.1	0	0.391	0	3.615	1	9.255	0	2230	48	1.8
4255.5	10000	38.3705	94.0229	-480	PC	4.2	1	11.0	1	1.0	0	0.383	0	4.088	1	10.673	1	2214	52	1.8
4255.4	10000	38.3705	94.0221	-482	PC	4.3	1	10.7	1	1.0	0	0.399	0	4.269	2	10.699	1	2186	48	1.8
4255.3	10000	38.3705	94.0213	-484	PC	4.2	1	10.1	1	1.0	0	0.419	0	4.188	2	10.001	1	2187	48	1.8
4255.2	10000	38.3705	94.0204	-486	PC	4.3	1	10.0	1	1.0	0	0.427	0	4.118	1	9.644	1	2169	51	1.8
4255.1	10000	38.3705	94.0196	-489	PC	3.9	1	10.2	1	1.0	0	0.379	0	3.817	1	10.068	1	2143	50	1.8
4255.0	10000	38.3705	94.0188	-490	PC	3.5	0	10.1	1	1.0	0	0.348	0	3.385	1	9.740	1	2124	45	1.8
4254.9	10000	38.3705	94.0180	-492	PC	3.5	0	10.0	1	1.0	0	0.350	0	3.345	0	9.550	1	2105	53	1.9
4254.8	10000	38.3705	94.0172	-494	PC	3.4	0	9.7	1	1.0	0	0.347	0	3.283	0	9.448	0	2079	43	1.9
4254.7	10000	38.3705	94.0164	-496	PC	3.7	1	9.4	1	1.0	0	0.394	0	3.808	1	9.665	1	2071	52	1.9
4254.6	10000	38.3705	94.0156	-498	PC	3.6	1	9.9	1	0.9	-1	0.365	0	3.891	1	10.648	1	2057	41	1.9
4254.5	10000	38.3705	94.0148	-500	PC	3.6	1	10.1	1	0.9	-1	0.360	0	4.094	1	11.388	2	2046	50	1.9
4254.4	10000	38.3705	94.0140	-501	PC	3.7	1	10.0	1	0.9	-1	0.370	0	4.195	2	11.341	2	2042	50	1.9
4254.3	10000	38.3705	94.0132	-502	PC	3.7	1	10.2	1	0.9	-1	0.360	0	4.195	2	11.645	2	2020	40	1.9
4254.2	10000	38.3705	94.0124	-504	PC	3.9	1	10.2	1	0.9	-1	0.381	0	4.512	2	11.827	2	2021	44	1.9
4254.1	10000	38.3705	94.0116	-505	PC	3.8	1	9.9	1	0.9	-1	0.380	0	4.267	2	11.235	2	2021	46	1.9
4254.0	10000	38.3706	94.0107	-506	PC	3.5	0	10.2	1	0.9	-1	0.342	0	3.984	1	11.655	2	2029	52	1.9
4253.9	10000	38.3706	94.0099	-506	PC	3.8	1	10.2	1	0.9	-1	0.369	0	4.225	2	11.435	2	2035	47	1.9
4253.8	10000	38.3706	94.0091	-507	PC	3.9	1	9.6	1	0.9	-1	0.405	1	4.501	2	11.109	2	2049	45	1.9
4253.7	10000	38.3706	94.0083	-508	PC	4.0	1	9.8	1	0.9	-1	0.407	1	4.411	2	10.835	1	2066	49	1.9
4253.6	10000	38.3706	94.0075	-508	PC	4.2	1	9.6	1	0.8	-1	0.440	1	4.980	3	11.311	2	2086	44	1.9
4253.5	10000	38.3706	94.0067	-508	PC	4.1	1	9.5	1	0.8	-1	0.434	1	4.973	3	11.453	2	2110	43	1.9
4253.4	10000	38.3706	94.0059	-508	PC	4.1	1	9.5	1	0.9	-1	0.435	1	4.725	2	10.854	1	2130	47	1.9
4253.3	10000	38.3706	94.0051	-508	PC	4.1	1	9.5	1	0.9	-1	0.435	1	4.391	2	10.095	1	2152	47	1.9
4253.2	10000	38.3706	94.0043	-508	PC	4.1	1	9.4	1	1.0	0	0.441	1	4.191	2	9.509	1	2170	39	1.9
4253.1	10000	38.3706	94.0035	-508	PC	4.1	1	9.8	1	1.1	0	0.420	1	3.765	1	8.957	0	2197	43	1.9
4253.0	10000	38.3706	94.0027	-508	PC	3.8	1	10.3	1	1.1	0	0.372	0	3.365	0	9.034	0	2202	57	1.9
4252.9	10000	38.3706	94.0018	-508	PC	3.6	1	10.8	1	1.3	1	0.332	0	2.851	0	8.581	0	2215	45	1.9
4252.8	10000	38.3706	94.0010	-508	PC	3.4	0	11.5	2	1.4	1	0.296	-1	2.493	-1	8.429	0	2212	48	1.9
4252.7	10000	38.3706	94.0002	-508	PC	3.3	0	12.0	2	1.4	1	0.278	-1	2.364	-1	8.497	0	2219	28	1.9

GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-
A 1	650	E 5	660	I 9	670	M 13	680								
B 1	650	F 5	660	J 9	670										
C 1	650	G 5	660	K 9	670	A 14	680								
D 1	650	H 5	660	L 9	670	B 14	680								
E 1	650	I 5	660	M 9	670	C 14	680								
F 1	650	J 5	660			D 14	680								
G 1	650	K 5	660	A 10	670	E 14	680								
H 1	650	L 5	660	B 10	670	F 14	680								
I 1	650	M 5	660	C 10	670	G 14	680								
J 1	650			D 10	670	H 14	680								
K 1	650	A 6	660	E 10	670	I 14	680								
L 1	650	B 6	660	F 10	670	J 14	680								
M 1	650	C 6	660	G 10	670	K 14	680								
		D 6	660	H 10	670	L 14	680								
A 2	650	E 6	660	I 10	670	M 14	680								
B 2	650	F 6	660	J 10	670										
C 2	650	G 6	660	K 10	670	A 15	680								
D 2	650	H 6	660	L 10	670	B 15	680								
E 2	650	I 6	660	M 10	670	C 15	680								
F 2	650	J 6	660			D 15	680								
G 2	650	K 6	660	A 11	670	E 15	680								
H 2	650	L 6	660	B 11	670	F 15	680								
I 2	650	M 6	660	C 11	670	G 15	680								
J 2	650			D 11	670	H 15	680								
K 2	650	A 7	660	E 11	670	I 15	680								
L 2	650	B 7	660	F 11	670	J 15	680								
M 2	650	C 7	660	G 11	670	K 15	680								
		D 7	660	H 11	670	L 15	680								
A 3	650	E 7	660	I 11	670	M 15	680								
B 3	650	F 7	660	J 11	670										
C 3	650	G 7	660	K 11	670	A 16	680								
D 3	650	H 7	660	L 11	670	B 16	680								
E 3	650	I 7	660	M 11	670	C 16	680								
F 3	650	J 7	660			D 16	680								
G 3	650	K 7	660	A 12	670	E 16	680								
H 3	650	L 7	660	B 12	670	F 16	680								
I 3	650	M 7	660	C 12	670	G 16	680								
J 3	650			D 12	670										
K 3	650	A 8	660	E 12	670										
L 3	650	B 8	660	F 12	670										
M 3	650	C 8	660	G 12	670										
		D 8	660	H 12	670										
A 4	650	E 8	660	I 12	670										
B 4	650	F 8	660	J 12	670										
C 4	650	G 8	660	K 12	670										
D 4	650	H 8	660	L 12	680										
E 4	650	I 8	660	M 12	680										
F 4	650	J 8	660												
G 4	650	K 8	660	A 13	680										
H 4	650	L 8	660	B 13	680										
I 4	650	M 8	660	C 13	680										
J 4	650			D 13	680										
K 4	650	A 9	670	E 13	680										
L 4	650	B 9	670	F 13	680										
M 4	650	C 9	670	G 13	680										
		D 9	670	H 13	680										

1LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3452.5	10000	38.2845	95.9649	-456	PW	2.6	-1	10.5	1	1.1	-1	0.249	-1	2.457	0	9.856	2	2147	46	2.6
3452.6	10000	38.2845	95.9641	-456	PW	2.6	-1	10.6	1	1.1	-1	0.242	-1	2.335	0	9.638	1	2157	53	2.6
3452.7	10000	38.2845	95.9632	-456	PW	2.5	-1	10.8	1	1.1	-1	0.232	-1	2.281	0	9.833	2	2168	51	2.6
3452.8	10000	38.2845	95.9624	-455	PW	2.4	-1	10.9	1	1.1	-1	0.220	-2	2.206	-1	10.037	2	2168	44	2.6
3452.9	10000	38.2845	95.9616	-455	PW	2.7	0	10.8	1	1.1	-1	0.254	-1	2.442	0	9.601	1	2212	33	2.6
3453.0	10000	38.2845	95.9608	-456	PW	2.8	1	11.1	1	1.2	0	0.256	-1	2.396	0	9.371	1	2239	35	2.6
3453.1	10000	38.2845	95.9599	-458	PW	2.8	1	10.8	1	1.1	0	0.297	0	2.787	1	9.372	1	2254	44	2.6
3453.2	10000	38.2845	95.9591	-459	PW	2.8	1	11.1	1	1.1	-1	0.294	-1	2.888	1	9.835	2	2275	45	2.6
3453.3	10000	38.2845	95.9583	-460	PW	2.8	1	11.1	1	1.1	-1	0.318	-1	3.140	1	9.889	2	2305	53	2.6
3453.4	10000	38.2844	95.9575	-461	PW	2.8	1	10.7	1	1.1	-1	0.340	-1	3.260	1	9.593	1	2309	46	2.6
3453.5	10000	38.2844	95.9567	-461	PW	2.8	1	10.7	1	1.1	-1	0.351	-1	3.289	1	9.367	1	2327	64	2.6
3453.6	10000	38.2844	95.9558	-461	PW	2.8	1	10.8	1	1.1	-1	0.332	-1	3.125	1	9.409	1	2301	52	2.6
3453.7	10000	38.2844	95.9550	-462	PW	2.8	1	10.7	1	1.1	-1	0.323	-1	3.154	2	9.777	2	2295	48	2.6
3453.8	10000	38.2844	95.9542	-462	PW	2.8	1	10.7	1	1.1	-1	0.271	-1	2.704	1	9.964	2	2269	45	2.6
3453.9	10000	38.2844	95.9534	-463	PW	2.8	1	10.7	1	1.1	-1	0.282	-1	2.670	1	9.[illegible]	1	2248	46	2.5
3454.0	10000	38.2844	95.9526	-463	PW	2.8	1	10.7	1	1.1	-1	0.285	-1	2.625	1	9.269	1	2225	51	2.5
3454.1	10000	38.2844	95.9518	-463	PW	2.8	1	10.7	1	1.1	-1	0.295	-1	2.772	1	9.394	1	2223	47	2.5
3454.2	10000	38.2843	95.9509	-463	PW	2.8	1	10.7	1	1.1	-1	0.318	-1	2.951	1	9.279	1	2219	54	2.5
3454.3	10000	38.2843	95.9501	-463	PW	2.8	1	10.7	1	1.1	-1	0.324	-1	3.046	1	9.413	1	2234	40	2.5
3454.4	10000	38.2843	95.9494	-463	PW	2.8	1	10.7	1	1.1	-1	0.316	-1	2.913	1	9.215	1	2238	60	2.5
3454.5	10000	38.2843	95.9487	-462	PW	2.8	1	10.7	1	1.1	-1	0.326	-1	2.835	1	8.702	1	2266	34	2.5
3454.6	10000	38.2843	95.9479	-462	PW	2.8	1	10.7	1	1.1	-1	0.296	-1	2.735	1	9.293	1	2280	44	2.5
3454.7	10000	38.2843	95.9472	-461	PW	2.8	1	10.7	1	1.1	-1	0.266	-1	2.582	1	9.697	2	2281	44	2.5
3454.8	10000	38.2843	95.9465	-460	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.371	1	9.820	2	2307	40	2.5
3455.0	10000	38.2843	95.9457	-459	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.340	1	9.615	2	2332	52	2.5
3455.1	10000	38.2843	95.9450	-458	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.421	1	9.222	2	2349	47	2.5
3455.2	10000	38.2843	95.9443	-457	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.569	1	10.594	2	2352	37	2.5
3455.3	10000	38.2843	95.9435	-455	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.136	1	10.821	2	2339	42	2.5
3455.4	10000	38.2843	95.9428	-454	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.244	1	9.895	2	2352	47	2.5
3455.5	10000	38.2843	95.9421	-453	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.216	1	9.664	2	2341	47	2.5
3455.6	10000	38.2843	95.9413	-452	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.711	1	9.946	2	2356	56	2.5
3455.7	10000	38.2843	95.9406	-451	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	3.003	1	10.138	2	2385	46	2.5
3455.8	10000	38.2843	95.9399	-450	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	3.460	1	10.067	2	2366	34	2.5
3456.0	10000	38.2843	95.9391	-449	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	3.159	1	9.904	2	2337	44	2.5
3456.1	10000	38.2843	95.9384	-448	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	3.003	1	9.937	2	2345	44	2.5
3456.2	10000	38.2843	95.9377	-447	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.924	1	9.702	2	2355	44	2.5
3456.3	10000	38.2843	95.9370	-446	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.755	1	9.774	2	2355	44	2.5
3456.4	10000	38.2843	95.9362	-445	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.711	1	9.874	2	2355	44	2.5
3456.5	10000	38.2843	95.9355	-444	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.711	1	9.874	2	2355	44	2.5
3456.6	10000	38.2843	95.9348	-443	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.711	1	9.874	2	2355	44	2.5
3456.7	10000	38.2843	95.9340	-442	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.711	1	9.874	2	2355	44	2.5
3456.8	10000	38.2843	95.9333	-441	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.711	1	9.874	2	2355	44	2.5
3457.0	10000	38.2843	95.9326	-440	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.711	1	9.874	2	2355	44	2.5
3457.1	10000	38.2843	95.9318	-439	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.711	1	9.874	2	2355	44	2.5
3457.2	10000	38.2843	95.9311	-438	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.711	1	9.874	2	2355	44	2.5
3457.3	10000	38.2843	95.9304	-437	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.711	1	9.874	2	2355	44	2.5
3457.4	10000	38.2843	95.9296	-436	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.711	1	9.874	2	2355	44	2.5
3457.5	10000	38.2843	95.9289	-435	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.711	1	9.874	2	2355	44	2.5
3457.6	10000	38.2843	95.9282	-434	PW	2.8	1	10.7	1	1.1	-1	0.243	-1	2.711	1	9.874	2	2355	44	2.5

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3457.7	10000	38.2844	95.9253	-409	PS	2.5	1	11.8	2	1.3	1	0.292	-1	2.612	0	8.930	1	2407	49	2.4
3457.8	10000	38.2844	95.9246	-407	PS	2.6	1	11.6	2	1.3	1	0.293	-1	2.582	0	8.823	0	2407	45	2.4
3457.9	10000	38.2844	95.9239	-405	PS	2.6	1	11.6	2	1.3	1	0.295	-1	2.732	0	9.262	1	2415	42	2.4
3458.0	10000	38.2844	95.9231	-403	PS	2.6	1	11.6	2	1.3	1	0.308	0	2.791	0	9.053	1	2422	47	2.4
3458.1	10000	38.2844	95.9224	-402	PS	2.6	1	11.6	2	1.3	1	0.308	0	2.787	0	9.035	1	2432	49	2.4
3458.2	10000	38.2844	95.9217	-400	PS	2.6	1	11.6	2	1.3	1	0.310	0	2.749	0	8.879	0	2442	51	2.4
3458.3	10000	38.2844	95.9209	-398	PS	2.6	1	10.6	2	1.3	1	0.328	0	2.802	0	8.539	0	2447	53	2.4
3458.4	10000	38.2844	95.9202	-396	PS	2.6	1	11.6	2	1.3	1	0.340	0	2.833	0	8.321	0	2449	45	2.4
3458.5	10000	38.2844	95.9195	-394	PS	2.6	1	10.6	2	1.3	1	0.351	0	3.061	0	8.730	0	2447	51	2.4
3458.6	10000	38.2844	95.9187	-392	PS	2.6	1	11.6	2	1.3	1	0.362	0	3.059	1	8.442	1	2456	57	2.4
3458.7	10000	38.2844	95.9180	-390	PS	2.6	1	11.6	2	1.3	1	0.335	0	3.064	1	9.108	1	2447	49	2.4
3458.8	10000	38.2844	95.9173	-389	PS	2.6	1	11.6	2	1.3	1	0.337	0	3.077	1	9.497	1	2448	54	2.4
3458.9	10000	38.2844	95.9165	-387	PS	2.6	1	11.6	2	1.3	1	0.322	0	3.508	1	10.397	2	2461	38	2.4
3459.0	10000	38.2844	95.9158	-385	QAL	2.6	1	11.6	2	1.3	1	0.334	0	3.445	1	10.705	2	2446	49	2.4
3459.1	10000	38.2844	95.9151	-383	QAL	2.6	1	11.6	2	1.3	1	0.323	0	3.633	1	10.860	2	2455	41	2.4
3459.2	10000	38.2844	95.9144	-382	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.503	1	10.870	2	2447	44	2.4
3459.3	10000	38.2844	95.9136	-380	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.555	1	11.010	2	2432	46	2.4
3459.4	10000	38.2844	95.9129	-378	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.745	1	10.816	2	2421	43	2.4
3459.5	10000	38.2844	95.9122	-376	QAL	2.6	1	11.6	2	1.3	1	0.346	0	4.009	1	10.476	2	2396	44	2.4
3459.6	10000	38.2844	95.9115	-374	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.516	1	9.612	1	2377	60	2.4
3459.7	10000	38.2844	95.9107	-373	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.545	1	9.310	1	2388	50	2.4
3459.8	10000	38.2844	95.9100	-371	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.476	1	9.408	1	2362	52	2.4
3459.9	10000	38.2844	95.9093	-369	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.660	1	9.799	1	2369	35	2.4
3460.0	10000	38.2844	95.9085	-367	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.730	1	9.723	1	2376	38	2.4
3460.1	10000	38.2844	95.9078	-364	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.627	1	9.494	1	2394	57	2.4
3460.2	10000	38.2844	95.9071	-362	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.788	1	9.213	1	2428	43	2.4
3460.3	10000	38.2844	95.9063	-360	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.709	1	9.481	1	2440	43	2.4
3460.4	10000	38.2844	95.9056	-357	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.427	1	9.704	1	2440	47	2.4
3460.5	10000	38.2844	95.9049	-355	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.097	1	8.965	1	2457	57	2.4
3460.6	10000	38.2844	95.9042	-353	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.730	1	8.853	1	2457	47	2.4
3460.7	10000	38.2844	95.9034	-351	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.528	1	8.962	1	2457	57	2.4
3460.8	10000	38.2844	95.9027	-349	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.247	1	8.996	1	2457	57	2.4
3460.9	10000	38.2844	95.9020	-347	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.157	1	8.996	1	2457	57	2.4
3461.0	10000	38.2844	95.9012	-345	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.049	1	8.996	1	2457	57	2.4
3461.1	10000	38.2844	95.9005	-343	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.088	1	8.996	1	2457	57	2.4
3461.2	10000	38.2844	95.8998	-341	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.347	1	8.996	1	2457	57	2.4
3461.3	10000	38.2844	95.8990	-339	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.337	1	8.996	1	2457	57	2.4
3461.4	10000	38.2844	95.8983	-337	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.288	1	8.996	1	2457	57	2.4
3461.5	10000	38.2844	95.8976	-335	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.277	1	8.996	1	2457	57	2.4
3461.6	10000	38.2844	95.8968	-333	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.266	1	8.996	1	2457	57	2.4
3461.7	10000	38.2844	95.8961	-331	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.255	1	8.996	1	2457	57	2.4
3461.8	10000	38.2844	95.8954	-329	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.244	1	8.996	1	2457	57	2.4
3461.9	10000	38.2844	95.8946	-327	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.233	1	8.996	1	2457	57	2.4
3462.0	10000	38.2844	95.8939	-325	QAL	2.6	1	11.6	2	1.3	1	0.346	0	3.222	1	8.996	1	2457	57	2.4

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3462.9	10000	38.2845	95.8874	-300	QAL	3.1	0	10.3	1	1.5	1	0.297	-1	2.030	-1	6.838	0	2351	42	2.5
3463.0	10000	38.2845	95.8866	-299	QAL	2.9	0	10.1	1	1.5	1	0.286	-1	1.869	-1	6.546	-1	2389	40	2.5
3463.1	10000	38.2845	95.8859	-299	QAL	3.0	0	10.9	1	1.6	1	0.272	-1	1.895	-1	6.977	0	2400	49	2.5
3463.2	10000	38.2845	95.8852	-297	QAL	3.0	0	11.0	1	1.5	1	0.275	-1	1.997	-1	7.273	0	2389	33	2.5
3463.3	10000	38.2845	95.8845	-296	QAL	3.1	0	11.1	2	1.5	1	0.277	-1	2.101	-1	7.592	0	2367	48	2.5
3463.4	10000	38.2845	95.8837	-294	QAL	3.1	0	10.7	1	1.5	1	0.294	-1	2.156	-1	7.321	0	2342	41	2.5
3463.5	10000	38.2845	95.8830	-294	QAL	3.2	0	10.6	1	1.4	1	0.301	-1	2.230	0	7.416	0	2324	59	2.5
3463.6	10000	38.2845	95.8823	-293	QAL	3.3	0	10.4	1	1.4	1	0.329	-1	2.360	0	7.173	0	2307	40	2.6
3463.7	10000	38.2845	95.8815	-293	QAL	3.4	0	10.4	1	1.4	1	0.327	-1	2.443	0	7.476	0	2288	46	2.6
3463.8	10000	38.2845	95.8808	-291	QAL	3.5	0	10.1	1	1.4	1	0.345	-1	2.487	0	7.217	0	2290	46	2.6
3463.9	10000	38.2845	95.8801	-290	QAL	3.5	0	10.4	1	1.4	1	0.336	-1	2.515	0	6.932	0	2257	62	2.6
3464.0	10000	38.2846	95.8793	-289	QAL	3.6	0	10.7	1	1.4	1	0.337	-1	2.418	-1	6.486	-1	2197	41	2.6
3464.1	10000	38.2846	95.8786	-288	QAL	3.7	0	10.8	1	1.4	1	0.365	-1	2.408	-1	6.603	-1	2114	49	2.6
3464.2	10000	38.2846	95.8779	-286	QAL	3.8	0	11.0	1	1.4	1	0.332	-1	2.261	-1	6.813	-1	2034	51	2.6
3464.3	10000	38.2846	95.8772	-285	QAL	3.8	0	11.1	1	1.4	1	0.329	-1	2.126	-1	7.132	0	1973	42	2.6
3464.4	10000	38.2846	95.8764	-284	QAL	3.9	0	11.1	1	1.4	1	0.328	-1	2.295	0	6.988	0	1955	43	2.6
3464.5	10000	38.2846	95.8757	-282	QAL	3.9	0	11.1	1	1.4	1	0.322	-1	2.312	0	7.056	0	1933	51	2.6
3464.6	10000	38.2846	95.8750	-280	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.132	-1	6.858	0	1956	39	2.6
3464.7	10000	38.2846	95.8743	-278	QAL	3.9	0	11.1	1	1.4	1	0.330	-1	2.070	-1	6.849	0	2016	41	2.6
3464.8	10000	38.2846	95.8735	-277	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.074	-1	6.586	-1	2099	44	2.6
3464.9	10000	38.2846	95.8728	-275	QAL	3.9	0	11.1	1	1.4	1	0.332	-1	2.155	-1	6.685	-1	2155	34	2.6
3465.0	10000	38.2846	95.8721	-274	QAL	3.9	0	11.1	1	1.4	1	0.332	-1	2.183	-1	6.691	-1	2222	42	2.6
3465.1	10000	38.2846	95.8713	-272	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.097	-1	6.742	-1	2246	40	2.6
3465.2	10000	38.2846	95.8706	-269	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.154	-1	6.879	0	2281	38	2.6
3465.3	10000	38.2846	95.8699	-268	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.165	-1	7.190	0	2290	50	2.6
3465.4	10000	38.2846	95.8691	-266	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.464	0	7.321	0	2286	55	2.6
3465.5	10000	38.2846	95.8684	-264	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.578	0	7.359	0	2301	51	2.7
3465.6	10000	38.2846	95.8677	-262	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2340	50	2.7
3465.7	10000	38.2846	95.8670	-261	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2342	43	2.7
3465.8	10000	38.2846	95.8662	-259	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2356	37	2.7
3465.9	10000	38.2846	95.8655	-257	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2363	33	2.7
3466.0	10000	38.2846	95.8648	-256	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2364	44	2.7
3466.1	10000	38.2846	95.8640	-254	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2373	52	2.7
3466.2	10000	38.2846	95.8633	-252	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2376	43	2.7
3466.3	10000	38.2846	95.8626	-251	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2387	39	2.7
3466.4	10000	38.2846	95.8618	-249	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2413	47	2.7
3466.5	10000	38.2846	95.8611	-247	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2424	46	2.7
3466.6	10000	38.2846	95.8604	-246	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2433	36	2.7
3466.7	10000	38.2846	95.8597	-244	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2455	47	2.7
3466.8	10000	38.2846	95.8589	-242	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2477	49	2.7
3466.9	10000	38.2846	95.8582	-241	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2483	36	2.7
3467.0	10000	38.2846	95.8575	-239	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2497	47	2.7
3467.1	10000	38.2846	95.8567	-237	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2494	46	2.7
3467.2	10000	38.2846	95.8560	-236	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2475	47	2.7
3467.3	10000	38.2846	95.8553	-234	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2463	46	2.7
3467.4	10000	38.2846	95.8545	-232	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2454	37	2.7
3467.5	10000	38.2846	95.8538	-231	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2446	46	2.7
3467.6	10000	38.2846	95.8531	-229	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2433	42	2.7
3467.7	10000	38.2846	95.8523	-227	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2425	42	2.7
3467.8	10000	38.2846	95.8516	-226	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2406	42	2.7
3467.9	10000	38.2846	95.8509	-224	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2389	42	2.7
3468.0	10000	38.2846	95.8501	-222	QAL	3.9	0	11.1	1	1.4	1	0.331	-1	2.807	0	7.044	0	2377	42	2.7

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3468.1	10000	38.2845	95.8492	-255	QAL	3.5	1	10.3	1	1.0	-1	0.336	0	3.383	1	10.069	2	2093	39	2.7
3468.2	10000	38.2845	95.8484	-256	QAL	3.6	1	9.2	0	0.9	-1	0.385	1	3.782	2	9.814	1	1987	52	2.7
3468.3	10000	38.2845	95.8476	-256	QAL	3.4	1	8.3	-1	0.8	-2	0.413	1	4.101	2	9.933	2	1872	48	2.7
3468.4	10000	38.2845	95.8469	-257	QAL	3.3	1	7.3	-2	0.8	-2	0.457	2	4.249	3	9.304	1	1776	40	2.7
3468.5	10000	38.2845	95.8461	-258	QAL	3.7	1	6.7	-2	0.7	-2	0.499	2	4.670	3	9.362	1	1685	55	2.7
3468.6	10000	38.2845	95.8454	-258	QAL	3.7	1	6.3	-2	0.7	-2	0.439	2	3.752	3	8.553	1	1631	45	2.7
3468.7	10000	38.2845	95.8446	-258	QAL	3.7	1	5.9	-2	0.7	-2	0.467	2	3.819	3	8.180	0	1606	48	2.7
3468.8	10000	38.2845	95.8439	-259	QAL	3.7	1	5.8	-2	0.7	-2	0.461	2	3.617	3	7.844	0	1596	38	2.6
3468.9	10000	38.2845	95.8431	-259	QAL	3.8	1	6.4	-2	0.7	-2	0.489	2	3.848	3	7.876	0	1612	35	2.6
3469.0	10000	38.2845	95.8424	-259	QAL	3.7	1	7.1	-2	0.8	-2	0.451	2	3.613	3	8.006	0	1670	42	2.6
3469.1	10000	38.2845	95.8416	-259	QAL	3.7	1	7.0	-1	0.9	-1	0.381	1	3.283	2	8.616	1	1717	43	2.6
3469.2	10000	38.2845	95.8409	-259	QAL	3.7	1	7.7	-1	0.9	-1	0.386	1	3.145	2	8.149	0	1762	60	2.6
3469.3	10000	38.2845	95.8401	-258	QAL	3.9	1	7.7	-1	0.9	-1	0.391	1	3.271	2	8.376	1	1812	49	2.6
3469.4	10000	38.2845	95.8394	-257	QAL	3.9	1	7.8	-1	0.9	-1	0.389	1	3.381	2	8.692	1	1859	32	2.6
3469.5	10000	38.2845	95.8386	-255	QAL	3.9	1	7.8	-1	0.9	-1	0.387	1	3.416	2	8.832	1	1894	51	2.6
3469.6	10000	38.2844	95.8378	-254	QAL	3.9	1	7.8	-1	0.9	-1	0.323	0	2.768	2	8.560	1	1936	51	2.6
3469.7	10000	38.2844	95.8371	-252	QAL	3.9	1	7.8	-1	0.9	-1	0.302	-1	2.484	2	8.210	1	1965	64	2.6
3469.8	10000	38.2844	95.8363	-251	QAL	3.9	1	7.8	-1	0.9	-1	0.342	0	2.777	2	8.115	1	1967	52	2.6
3469.9	10000	38.2844	95.8356	-249	QAL	3.9	1	7.8	-1	0.9	-1	0.320	0	2.838	2	8.864	1	1957	37	2.6
3470.0	10000	38.2844	95.8348	-247	QAL	3.9	1	7.8	-1	0.9	-1	0.350	0	3.008	2	8.597	1	1949	48	2.6
3470.1	10000	38.2844	95.8341	-243	QAL	3.9	1	7.8	-1	0.9	-1	0.328	0	2.880	2	8.784	1	1934	42	2.6
3470.2	10000	38.2844	95.8333	-241	QAL	3.9	1	7.8	-1	0.9	-1	0.377	0	3.072	2	8.146	0	1937	44	2.6
3470.3	10000	38.2844	95.8326	-238	QAL	3.9	1	7.8	-1	0.9	-1	0.383	0	3.224	2	8.423	1	1922	50	2.5
3470.4	10000	38.2844	95.8318	-234	QAL	3.9	1	7.8	-1	0.9	-1	0.391	0	3.376	2	8.625	1	1883	44	2.5
3470.5	10000	38.2844	95.8311	-231	QAL	3.9	1	7.8	-1	0.9	-1	0.364	0	3.044	2	8.372	1	1851	39	2.5
3470.6	10000	38.2844	95.8303	-227	QAL	3.9	1	7.8	-1	0.9	-1	0.401	0	3.290	2	8.197	1	1810	40	2.5
3470.7	10000	38.2844	95.8296	-223	QAL	3.9	1	7.8	-1	0.9	-1	0.422	0	3.676	2	8.704	1	1762	36	2.5
3470.8	10000	38.2844	95.8288	-219	QAL	3.9	1	7.8	-1	0.9	-1	0.460	0	3.680	2	7.996	0	1734	49	2.5
3470.9	10000	38.2843	95.8280	-214	QAL	3.9	1	7.8	-1	0.9	-1	0.382	0	3.295	2	8.633	1	1713	52	2.5
3471.0	10000	38.2844	95.8273	-210	QAL	3.9	1	7.8	-1	0.9	-1	0.422	0	3.212	2	8.366	1	1712	43	2.5
3471.1	10000	38.2844	95.8265	-205	QAL	3.9	1	7.8	-1	0.9	-1	0.447	0	3.484	2	8.327	1	1747	45	2.5
3471.2	10000	38.2844	95.8258	-199	QAL	3.9	1	7.8	-1	0.9	-1	0.382	0	3.384	2	8.825	1	1808	44	2.5
3471.3	10000	38.2844	95.8250	-194	QAL	3.9	1	7.8	-1	0.9	-1	0.422	0	3.447	2	8.167	1	1896	45	2.5
3471.4	10000	38.2844	95.8243	-188	QAL	3.9	1	7.8	-1	0.9	-1	0.382	0	3.382	2	8.165	1	1984	30	2.5
3471.5	10000	38.2844	95.8235	-182	QAL	3.9	1	7.8	-1	0.9	-1	0.337	0	3.337	2	8.158	1	2040	46	2.5
3471.6	10000	38.2844	95.8228	-176	QAL	3.9	1	7.8	-1	0.9	-1	0.227	0	3.302	2	8.137	1	2087	32	2.5
3471.7	10000	38.2844	95.8220	-169	QAL	3.9	1	7.8	-1	0.9	-1	0.274	0	3.274	2	8.167	1	2134	45	2.5
3471.8	10000	38.2844	95.8213	-162	QAL	3.9	1	7.8	-1	0.9	-1	0.291	0	3.291	2	8.155	1	2167	47	2.5
3471.9	10000	38.2844	95.8205	-155	QAL	3.9	1	7.8	-1	0.9	-1	0.333	0	3.333	2	8.165	1	2165	39	2.5
3472.0	10000	38.2844	95.8198	-148	QAL	3.9	1	7.8	-1	0.9	-1	0.333	0	3.333	2	8.158	1	2158	44	2.5
3472.1	10000	38.2844	95.8190	-140	QAL	3.9	1	7.8	-1	0.9	-1	0.333	0	3.333	2	8.137	1	2137	44	2.5
3472.2	10000	38.2844	95.8183	-132	QAL	3.9	1	7.8	-1	0.9	-1	0.333	0	3.333	2	8.145	1	2145	44	2.5
3472.3	10000	38.2844	95.8175	-124	QAL	3.9	1	7.8	-1	0.9	-1	0.333	0	3.333	2	8.124	1	2124	44	2.5
3472.4	10000	38.2844	95.8168	-115	QAL	3.9	1	7.8	-1	0.9	-1	0.333	0	3.333	2	8.137	1	2137	44	2.5
3472.5	10000	38.2844	95.8160	-108	QAL	3.9	1	7.8	-1	0.9	-1	0.333	0	3.333	2	8.145	1	2145	44	2.5
3472.6	10000	38.2844	95.8153	-99	QAL	3.9	1	7.8	-1	0.9	-1	0.333	0	3.333	2	8.124	1	2124	44	2.5
3472.7	10000	38.2844	95.8145	-91	QAL	3.9	1	7.8	-1	0.9	-1	0.333	0	3.333	2	8.137	1	2137	44	2.5
3472.8	10000	38.2844	95.8138	-82	QAL	3.9	1	7.8	-1	0.9	-1	0.333	0	3.333	2	8.145	1	2145	44	2.5
3472.9	10000	38.2844	95.8130	-73	QAL	3.9	1	7.8	-1	0.9	-1	0.333	0	3.333	2	8.124	1	2124	44	2.5
3473.0	10000	38.2844	95.8123	-65	QAL	3.9	1	7.8	-1	0.9	-1	0.333	0	3.333	2	8.137	1	2137	44	2.5
3473.1	10000	38.2844	95.8115	-57	QAL	3.9	1	7.8	-1	0.9	-1	0.333	0	3.333	2	8.145	1	2145	44	2.5
3473.2	10000	38.2844	95.8108	-49	QAL	3.9	1	7.8	-1	0.9	-1	0.333	0	3.333	2	8.124	1	2124	44	2.5

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3473.3	10000	38.2842	95.8100	-42	PS	2.8	-1	9.6	0	1.3	1	0.293	-1	2.178	-1	7.425	-1	2141	53	2.3
3473.4	10000	38.2842	95.8092	-35	PS	2.9		9.6		1.3		0.304		2.298	-1	7.547	-1	2132	47	2.3
3473.5	10000	38.2842	95.8085	-27	PS	3.1		9.5		1.3		0.329		2.464	0	7.497	-1	2141	45	2.3
3473.6	10000	38.2842	95.8077	-20	PS	3.1		9.3		1.2		0.329		2.480	0	7.531	-1	2136	45	2.3
3473.7	10000	38.2842	95.8069	-14	PS	3.3		9.7		1.2		0.322		2.580	0	8.014	0	2139	47	2.2
3473.8	10000	38.2842	95.8062	-8	PS	3.5		9.9		1.2		0.336		2.729	0	8.124	0	2165	39	2.2
3473.9	10000	38.2842	95.8055	-2	PS	3.7		9.6		1.2		0.364		2.957	1	8.114	0	2171	53	2.2
3474.0	10000	38.2842	95.8047	3	PPS	3.8		9.4		1.2		0.393		3.154	1	8.031	0	2178	55	2.2
3474.1	10000	38.2841	95.8039	8	PPS	3.8		9.3		1.2		0.407		3.277	1	8.049	0	2187	49	2.2
3474.2	10000	38.2841	95.8032	13	PPS	3.7		9.4		1.2		0.388		3.136	1	8.082	0	2181	50	2.2
3474.3	10000	38.2841	95.8024	17	PPS	3.6		9.5		1.1		0.378		3.214	1	8.500	1	2194	55	2.2
3474.4	10000	38.2841	95.8017	21	PPS	3.5		9.8		1.1		0.353		3.153	1	8.937	1	2191	32	2.2
3474.5	10000	38.2841	95.8009	25	PPS	3.5		9.8		1.1		0.354		3.075	1	8.676	1	2184	29	2.2
3474.6	10000	38.2841	95.8002	29	PPS	3.5		9.8		1.1		0.352		3.113	1	8.833	1	2167	55	2.2
3474.7	10000	38.2841	95.7994	33	PPS	3.6		9.8		1.1		0.361		3.338	2	9.252	1	2128	42	2.2
3474.8	10000	38.2841	95.7987	36	PPS	3.8		9.7		1.1		0.390		3.562	2	9.144	1	2105	41	2.2
3474.9	10000	38.2841	95.7979	38	PPS	4.1		9.8		1.1		0.417		3.751	2	8.998	1	2090	39	2.2
3475.0	10000	38.2841	95.7971	41	PPS	4.4		9.9		1.1		0.407		3.736	2	9.175	1	2077	54	2.2
3475.1	10000	38.2841	95.7964	44	PPS	4.7		9.9		1.1		0.426		3.692	2	8.661	1	2064	45	2.2
3475.2	10000	38.2841	95.7956	47	PPS	5.0		9.9		1.1		0.411		3.919	2	9.534	1	2042	49	2.2
3475.3	10000	38.2841	95.7949	50	PPS	5.4		9.9		1.1		0.417		3.954	2	9.480	1	2046	47	2.2
3475.4	10000	38.2841	95.7941	54	PPS	5.7		9.9		1.1		0.430		3.783	2	8.794	1	2066	51	2.2
3475.5	10000	38.2841	95.7934	57	PPS	6.0		9.9		1.1		0.394		3.386	2	8.606	1	2068	36	2.2
3475.6	10000	38.2840	95.7926	60	PPS	6.3		9.9		1.1		0.403		3.518	2	8.723	1	2068	50	2.2
3475.7	10000	38.2840	95.7919	63	PPS	6.6		9.9		1.1		0.412		3.478	2	8.451	1	2041	47	2.2
3475.8	10000	38.2840	95.7911	66	PPS	6.9		9.9		1.1		0.446		3.859	2	8.645	1	2003	41	2.2
3475.9	10000	38.2840	95.7904	69	PPS	7.2		9.9		1.1		0.447		3.466	2	7.750	0	1987	50	2.2
3476.0	10000	38.2840	95.7896	72	PPS	7.5		9.9		1.1		0.423		3.140	1	7.426	-1	1962	51	2.2
3476.1	10000	38.2840	95.7889	75	PPS	7.8		9.9		1.1		0.397		3.009	1	7.571	-1	1937	50	2.2
3476.2	10000	38.2840	95.7881	78	PPS	8.0		9.9		1.1		0.383		3.185	1	8.325	0	1961	31	2.2
3476.3	10000	38.2840	95.7874	80	PPS	8.2		9.9		1.1		0.397		3.383	1	8.511	0	1987	46	2.2
3476.4	10000	38.2840	95.7866	82	PPS	8.4		9.9		1.1		0.397		3.383	1	8.511	0	2029	47	2.2
3476.5	10000	38.2840	95.7858	84	PPS	8.6		9.9		1.1		0.397		3.383	1	8.511	0	2079	45	2.2
3476.6	10000	38.2840	95.7851	86	PPS	8.7		9.9		1.1		0.397		3.383	1	8.511	0	2116	52	2.2
3476.7	10000	38.2840	95.7843	87	PPS	8.8		9.9		1.1		0.397		3.383	1	8.511	0	2142	45	2.2
3476.8	10000	38.2840	95.7836	88	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2170	53	2.2
3476.9	10000	38.2840	95.7828	89	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2152	44	2.2
3477.0	10000	38.2840	95.7821	90	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2136	34	2.2
3477.1	10000	38.2840	95.7813	91	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2129	22	2.2
3477.2	10000	38.2840	95.7806	92	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2114	33	2.2
3477.3	10000	38.2839	95.7798	93	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2113	36	2.2
3477.4	10000	38.2839	95.7791	94	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2113	37	2.2
3477.5	10000	38.2839	95.7783	95	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2105	25	2.2
3477.6	10000	38.2839	95.7776	96	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2105	25	2.2
3477.7	10000	38.2839	95.7768	96	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2105	25	2.2
3477.8	10000	38.2839	95.7760	96	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2105	25	2.2
3477.9	10000	38.2839	95.7753	96	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2105	25	2.2
3478.0	10000	38.2839	95.7745	96	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2105	25	2.2
3478.1	10000	38.2839	95.7738	96	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2105	25	2.2
3478.2	10000	38.2839	95.7730	96	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2105	25	2.2
3478.3	10000	38.2839	95.7723	96	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2105	25	2.2
3478.4	10000	38.2839	95.7715	96	PPS	8.9		9.9		1.1		0.397		3.383	1	8.511	0	2105	25	2.2

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3478.5	10000	38.2839	95.7708	95	PS	3.0	0	9.2	0	1.1	-1	0.331	0	2.840	0	8.585	0	2057	40	2.2
3478.6	10000	38.2839	95.7700	94	PS	2.9	0	9.1	0	1.0	-1	0.321	0	2.876	0	8.954	1	2036	47	2.2
3478.7	10000	38.2838	95.7693	93	PS	2.6	-1	9.3	0	1.0	-1	0.278	-1	2.589	0	9.305	1	2026	44	2.3
3478.8	10000	38.2838	95.7685	92	PS	2.8	-1	9.2	0	1.0	-1	0.308	0	2.878	0	9.353	1	2014	44	2.3
3478.9	10000	38.2838	95.7678	91	PS	3.0	0	9.2	-1	1.0	-1	0.330	0	3.046	1	9.217	1	2004	37	2.3
3479.0	10000	38.2838	95.7670	90	PS	2.9	-1	9.3	0	1.0	-1	0.306	0	2.951	1	9.659	1	2010	59	2.3
3479.1	10000	38.2838	95.7663	90	PS	2.7	-1	9.6	0	0.9	-1	0.287	-1	2.805	0	10.081	1	2003	41	2.3
3479.2	10000	38.2838	95.7655	89	PS	2.7	-1	9.5	-1	0.9	-2	0.290	-1	3.038	1	10.463	2	2006	44	2.3
3479.3	10000	38.2838	95.7648	88	PS	2.8	0	9.5	0	0.9	-1	0.297	-1	3.083	1	10.375	2	2039	55	2.3
3479.4	10000	38.2838	95.7640	87	PS	2.6	0	9.6	0	1.0	-1	0.339	0	3.451	1	10.193	2	2080	48	2.3
3479.5	10000	38.2838	95.7633	87	PS	2.2	0	9.6	0	1.0	-1	0.317	0	3.181	1	10.019	1	2118	41	2.3
3479.6	10000	38.2837	95.7625	87	PS	2.9	0	10.3	1	1.1	-1	0.282	-1	2.779	1	9.867	1	2179	39	2.3
3479.7	10000	38.2837	95.7618	86	PS	2.9	0	10.7	1	1.2	0	0.272	-1	2.722	0	10.009	1	2224	51	2.3
3479.8	10000	38.2837	95.7611	85	PS	3.2	0	10.9	1	1.2	0	0.301	0	2.852	0	9.481	1	2293	58	2.3
3479.9	10000	38.2837	95.7603	85	PS	2.6	0	11.4	1	1.2	0	0.277	-1	2.557	0	9.241	1	2349	53	2.3
3480.0	10000	38.2836	95.7596	84	PS	2.2	0	11.6	1	1.3	1	0.289	-1	2.628	0	9.090	1	2360	43	2.3
3480.1	10000	38.2836	95.7589	84	PS	2.2	0	11.7	1	1.3	1	0.278	-1	2.386	-1	8.593	0	2359	42	2.3
3480.2	10000	38.2836	95.7581	83	PS	2.5	0	11.2	1	1.4	1	0.281	-1	2.371	-1	8.430	0	2353	44	2.3
3480.3	10000	38.2836	95.7574	83	PS	2.6	0	11.2	1	1.4	1	0.308	0	2.516	0	8.175	0	2328	50	2.3
3480.4	10000	38.2836	95.7566	81	PS	2.4	0	10.8	1	1.4	1	0.315	0	2.522	0	8.000	0	2307	44	2.3
3480.5	10000	38.2835	95.7559	80	PS	2.3	0	11.3	1	1.3	1	0.292	-1	2.553	0	8.731	0	2282	45	2.3
3480.6	10000	38.2835	95.7552	79	PS	2.3	0	11.4	1	1.2	1	0.289	-1	2.645	0	9.151	1	2263	54	2.3
3480.7	10000	38.2835	95.7544	78	PS	2.9	0	11.1	1	1.2	1	0.265	-1	2.476	0	9.334	1	2251	38	2.3
3480.8	10000	38.2835	95.7537	77	PS	3.1	0	11.0	1	1.2	1	0.283	-1	2.681	0	9.490	1	2237	45	2.3
3480.9	10000	38.2835	95.7529	76	PS	2.9	0	11.3	1	1.2	1	0.259	-1	2.512	0	9.713	1	2243	47	2.3
3481.0	10000	38.2834	95.7522	75	PS	2.6	-1	11.4	1	1.2	1	0.226	-2	2.195	-1	9.710	1	2248	47	2.3
3481.1	10000	38.2834	95.7515	74	PS	2.7	-1	11.6	1	1.2	1	0.231	-2	2.184	-1	9.445	1	2269	52	2.3
3481.2	10000	38.2834	95.7507	73	PS	2.3	-2	11.3	1	1.3	1	0.203	-2	1.808	-2	8.886	0	2276	59	2.3
3481.3	10000	38.2834	95.7500	72	PS	2.4	-2	11.2	1	1.3	1	0.214	-2	1.797	-2	8.589	0	2300	50	2.3
3481.4	10000	38.2833	95.7493	72	PS	2.5	-2	11.2	1	1.3	1	0.223	-2	1.956	-2	8.807	0	2317	43	2.3
3481.5	10000	38.2833	95.7485	71	PS	2.6	-2	11.2	1	1.3	1	0.232	-2	1.852	-2	8.396	0	2345	39	2.3
3481.6	10000	38.2833	95.7478	70	PS	2.7	-2	11.2	1	1.3	1	0.241	-2	1.930	-2	8.414	0	2342	52	2.3
3481.7	10000	38.2833	95.7470	69	PS	2.8	-2	11.2	1	1.3	1	0.250	-2	2.008	-2	8.479	0	2346	45	2.3
3481.8	10000	38.2832	95.7463	68	PS	2.9	-2	11.2	1	1.3	1	0.259	-2	2.087	-2	8.567	0	2348	53	2.3
3481.9	10000	38.2832	95.7456	68	PS	3.0	-2	11.2	1	1.3	1	0.268	-2	2.165	-2	8.872	0	2341	44	2.3
3482.0	10000	38.2832	95.7448	67	PS	3.1	-2	11.2	1	1.3	1	0.277	-2	2.244	-2	8.704	0	2326	46	2.3
3482.1	10000	38.2832	95.7441	66	PS	3.2	-2	11.2	1	1.3	1	0.286	-2	2.322	-2	8.888	0	2331	50	2.3
3482.2	10000	38.2831	95.7433	65	PS	3.3	-2	11.2	1	1.3	1	0.295	-2	2.401	-2	8.927	0	2311	45	2.3
3482.3	10000	38.2831	95.7426	64	PS	3.4	-2	11.2	1	1.3	1	0.304	-2	2.479	-2	8.991	0	2296	50	2.3
3482.4	10000	38.2831	95.7419	63	PS	3.5	-2	11.2	1	1.3	1	0.313	-2	2.558	-2	9.092	0	2299	50	2.3
3482.5	10000	38.2831	95.7411	62	PS	3.6	-2	11.2	1	1.3	1	0.322	-2	2.636	-2	9.077	0	2290	50	2.3
3482.6	10000	38.2830	95.7404	61	PS	3.7	-2	11.2	1	1.3	1	0.331	-2	2.715	-2	9.043	0	2274	50	2.3
3482.7	10000	38.2830	95.7396	60	PS	3.8	-2	11.2	1	1.3	1	0.340	-2	2.793	-2	9.077	0	2262	50	2.3
3482.8	10000	38.2830	95.7389	59	PS	3.9	-2	11.2	1	1.3	1	0.349	-2	2.872	-2	9.205	0	2252	50	2.3
3482.9	10000	38.2829	95.7382	58	PS	4.0	-2	11.2	1	1.3	1	0.358	-2	2.950	-2	9.325	0	2243	50	2.3
3483.0	10000	38.2829	95.7374	57	PS	4.1	-2	11.2	1	1.3	1	0.367	-2	3.029	-2	9.425	0	2237	50	2.3
3483.1	10000	38.2829	95.7367	56	PS	4.2	-2	11.2	1	1.3	1	0.376	-2	3.107	-2	9.563	0	2229	50	2.3
3483.2	10000	38.2828	95.7359	55	PS	4.3	-2	11.2	1	1.3	1	0.385	-2	3.186	-2	9.693	0	2222	50	2.3
3483.3	10000	38.2828	95.7352	54	PS	4.4	-2	11.2	1	1.3	1	0.394	-2	3.264	-2	9.822	0	2216	50	2.3
3483.4	10000	38.2828	95.7345	53	PS	4.5	-2	11.2	1	1.3	1	0.403	-2	3.343	-2	9.952	0	2211	50	2.3
3483.5	10000	38.2827	95.7337	52	PS	4.6	-2	11.2	1	1.3	1	0.412	-2	3.421	-2	10.082	0	2206	50	2.3
3483.6	10000	38.2827	95.7330	51	PS	4.7	-2	11.2	1	1.3	1	0.421	-2	3.500	-2	10.212	0	2202	50	2.3

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3483.7	10000	38.2829	95.7323	-5	PS	3.6	1	11.1	1	1.1	0	0.326	0	3.201	1	9.809	1	2279	47	2.3
3483.8	10000	38.2829	95.7315	-13	PS	3.6	1	11.1	1	1.1	0	0.328	0	3.296	1	10.045	1	2251	50	2.3
3483.9	10000	38.2828	95.7308	-21	PS	3.7	1	10.8	1	1.1	0	0.345	0	3.398	1	9.844	1	2224	53	2.3
3484.0	10000	38.2828	95.7300	-28	PS	3.6	1	10.2	1	1.1	0	0.355	0	3.272	1	9.215	1	2193	51	2.3
3484.1	10000	38.2828	95.7293	-38	PS	3.6	1	10.4	1	1.1	0	0.342	0	3.180	1	9.301	1	2164	52	2.3
3484.2	10000	38.2828	95.7286	-45	PS	3.5	1	10.1	1	1.1	-1	0.346	0	3.276	1	9.473	1	2132	47	2.3
3484.3	10000	38.2827	95.7278	-54	PS	3.4	1	9.6	0	1.0	-1	0.353	0	3.296	1	9.349	1	2103	46	2.3
3484.4	10000	38.2827	95.7271	-63	PS	3.1	0	9.3	0	1.1	-1	0.330	0	2.924	0	8.869	0	2083	39	2.3
3484.5	10000	38.2827	95.7263	-71	PS	2.9	0	9.1	0	1.1	-1	0.317	0	2.654	0	8.373	0	2071	46	2.3
3484.6	10000	38.2827	95.7256	-79	PS	3.0	1	9.1	0	1.1	-1	0.323	0	2.761	0	8.544	0	2056	44	2.3
3484.7	10000	38.2827	95.7249	-87	PS	3.1	1	9.2	0	1.0	-1	0.332	0	3.000	1	9.038	1	2029	40	2.3
3484.8	10000	38.2826	95.7241	-95	PS	3.2	1	9.4	0	1.0	-1	0.333	0	3.126	1	9.398	1	2018	38	2.3
3484.9	10000	38.2826	95.7234	-102	PS	3.5	1	9.7	0	0.9	-1	0.332	0	3.521	2	10.618	2	2008	48	2.3
3485.0	10000	38.2826	95.7227	-110	PS	3.8	1	9.5	0	0.9	-2	0.365	1	3.902	2	10.699	2	2000	57	2.3
3485.1	10000	38.2826	95.7219	-117	PS	3.8	1	9.6	0	0.9	-2	0.394	1	4.524	3	11.485	3	1991	49	2.2
3485.2	10000	38.2826	95.7212	-124	PS	3.8	1	9.4	0	0.8	-2	0.399	1	4.680	3	11.741	3	1995	62	2.2
3485.3	10000	38.2825	95.7204	-131	PS	3.8	1	9.6	0	0.8	-2	0.393	1	4.620	3	11.766	3	2004	43	2.2
3485.4	10000	38.2825	95.7197	-137	PS	3.8	1	9.6	0	0.9	-2	0.396	1	4.582	3	10.989	3	2033	52	2.2
3485.5	10000	38.2825	95.7190	-142	PS	3.7	1	9.6	0	0.9	-2	0.392	1	4.739	3	11.274	3	2043	45	2.2
3485.6	10000	38.2825	95.7182	-146	PS	3.5	1	9.5	0	0.9	-1	0.362	1	4.266	3	10.338	3	2049	41	2.2
3485.7	10000	38.2825	95.7175	-150	PS	3.7	1	9.9	0	1.0	-1	0.316	0	3.804	2	10.336	2	2058	46	2.2
3485.8	10000	38.2824	95.7168	-155	PS	3.7	1	10.4	0	1.0	-1	0.271	-1	3.685	2	10.495	2	2077	32	2.2
3485.9	10000	38.2824	95.7160	-159	PS	3.8	1	10.5	0	1.0	-1	0.256	-1	3.790	2	10.660	2	2078	41	2.2
3486.0	10000	38.2824	95.7153	-164	PS	3.8	1	11.0	0	1.0	-1	0.262	-1	3.592	2	10.229	2	2087	41	2.2
3486.1	10000	38.2824	95.7145	-168	PS	3.8	1	11.0	0	1.0	-1	0.253	-1	3.655	2	10.461	2	2113	51	2.2
3486.2	10000	38.2824	95.7138	-171	PS	3.8	1	11.0	0	1.0	-1	0.254	-1	3.627	2	10.214	2	2136	48	2.2
3486.3	10000	38.2823	95.7130	-174	PS	3.8	1	10.9	0	1.0	-1	0.257	-1	3.682	2	10.245	2	2152	50	2.2
3486.4	10000	38.2823	95.7123	-177	PS	3.8	1	10.5	0	1.0	-1	0.281	-1	3.882	2	9.492	1	2164	56	2.2
3486.5	10000	38.2823	95.7116	-178	PS	3.8	1	10.5	0	1.0	0	0.318	0	3.948	2	9.107	1	2160	38	2.2
3486.6	10000	38.2823	95.7108	-180	PS	3.8	1	10.5	0	1.0	0	0.324	0	3.780	2	9.347	1	2166	46	2.2
3486.7	10000	38.2822	95.7101	-182	PS	3.8	1	10.5	0	1.0	0	0.297	0	3.638	2	9.174	1	2153	62	2.2
3486.8	10000	38.2822	95.7094	-184	PS	3.8	1	10.5	0	1.0	0	0.288	0	3.607	2	9.456	1	2147	55	2.2
3486.9	10000	38.2822	95.7086	-186	PS	3.8	1	10.5	0	1.0	0	0.318	0	3.366	2	9.174	1	2133	45	2.2
3487.0	10000	38.2822	95.7079	-187	PS	3.8	1	10.5	0	1.0	0	0.344	0	3.321	2	8.853	1	2132	55	2.2
3487.1	10000	38.2821	95.7071	-189	PS	3.8	1	10.5	0	1.0	0	0.316	0	3.327	2	9.458	1	2136	44	2.2
3487.2	10000	38.2821	95.7064	-192	PS	3.8	1	10.5	0	1.0	0	0.355	0	3.455	2	9.261	1	2128	50	2.2
3487.3	10000	38.2821	95.7057	-196	PS	3.8	1	10.5	0	1.0	0	0.325	0	3.412	2	9.552	1	2134	48	2.2
3487.4	10000	38.2821	95.7049	-199	PS	3.8	1	10.5	0	1.0	0	0.325	0	3.412	2	9.552	1	2139	33	2.2
3487.5	10000	38.2821	95.7042	-203	PS	3.8	1	10.5	0	1.0	0	0.325	0	3.412	2	9.552	1	2111	50	2.2
3487.6	10000	38.2821	95.7034	-206	PS	3.8	1	10.5	0	1.0	0	0.325	0	3.412	2	9.552	1	2100	44	2.2
3487.7	10000	38.2820	95.7027	-209	PS	3.8	1	10.5	0	1.0	0	0.325	0	3.412	2	9.552	1	2066	44	2.2
3487.8	10000	38.2820	95.7020	-213	PS	3.8	1	10.5	0	1.0	0	0.325	0	3.412	2	9.552	1	2044	33	2.2
3487.9	10000	38.2820	95.7012	-216	PS	3.8	1	10.5	0	1.0	0	0.325	0	3.412	2	9.552	1	2033	39	2.2
3488.0	10000	38.2819	95.7005	-220	PS	3.8	1	10.5	0	1.0	0	0.325	0	3.412	2	9.552	1	1991	49	2.2
3488.1	10000	38.2819	95.6998	-223	PS	3.8	1	10.5	0	1.0	0	0.325	0	3.412	2	9.552	1	1949	38	2.2
3488.2	10000	38.2819	95.6990	-227	PS	3.8	1	10.5	0	1.0	0	0.325	0	3.412	2	9.552	1	1908	57	2.2
3488.3	10000	38.2818	95.6983	-230	PS	3.8	1	10.5	0	1.0	0	0.325	0	3.412	2	9.552	1	1857	12	2.2
3488.4	10000	38.2818	95.6975	-234	PS	3.8	1	10.5	0	1.0	0	0.325	0	3.412	2	9.552	1	1764	44	2.2
3488.5	10000	38.2818	95.6968	-237	PS	3.8	1	10.5	0	1.0	0	0.325	0	3.412	2	9.552	1	1709	56	2.2
3488.6	10000	38.2817	95.6961	-241	PS	3.8	1	10.5	0	1.0	0	0.325	0	3.412	2	9.552	1	1677	37	2.2
3488.7	10000	38.2817	95.6953	-244	PS	3.8	1	10.5	0	1.0	0	0.325	0	3.412	2	9.552	1	1674	56	2.2
3488.8	10000	38.2816	95.6946	-248	PS	3.8	1	10.5	0	1.0	0	0.325	0	3.412	2	9.552	1	1674	37	2.2

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3488.9	10000	38.2818	95.6938	-266	PS	2.8	-1	7.5	-2	0.6	-3	0.368	1	4.323	3	11.761	3	1686	42	2.2
3489.0	10000	38.2818	95.6931	-270	PS	2.5	-1	7.9	-2	0.7	-3	0.331	0	3.898	2	11.764	3	1699	48	2.2
3489.1	10000	38.2817	95.6924	-273	PS	2.4	-2	8.4	-1	0.7	-3	0.282	-1	3.431	1	12.145	3	1738	47	2.2
3489.2	10000	38.2817	95.6916	-274	PS	2.6	-1	8.6	-1	0.7	-3	0.301	0	3.716	2	12.332	3	1773	53	2.2
3489.3	10000	38.2817	95.6909	-275	PS	2.6	-1	8.9	-1	0.8	-2	0.289	-1	3.213	1	11.128	2	1819	43	2.2
3489.4	10000	38.2817	95.6902	-277	PS	2.7	-1	9.5	0	0.9	-2	0.281	-1	3.115	1	11.088	2	1870	50	2.2
3489.5	10000	38.2819	95.6896	-283	PS	2.7	-1	9.6	0	0.9	-2	0.276	-1	3.034	1	10.976	2	1915	40	2.2
3489.6	10000	38.2821	95.6890	-293	PS	2.6	-1	10.1	0	1.0	-1	0.261	-1	2.785	0	10.655	2	1949	49	2.2
3489.7	10000	38.2823	95.6884	-301	PS	2.6	-1	10.2	0	1.0	-1	0.251	-1	2.532	0	10.092	1	2000	47	2.2
3489.8	10000	38.2825	95.6878	-308	PS	2.8	-1	9.9	0	1.0	-1	0.282	-1	2.685	0	9.510	1	2033	52	2.2
3489.9	10000	38.2827	95.6872	-312	PS	2.8	-1	10.0	0	1.1	-1	0.283	-1	2.681	0	9.467	1	2063	47	2.2
3490.0	10000	38.2828	95.6866	-315	PS	3.0	0	9.9	0	1.0	-1	0.301	0	3.068	1	10.177	2	2084	53	2.2
3490.1	10000	38.2831	95.6860	-317	PS	3.1	0	9.9	0	1.0	-1	0.311	0	3.018	1	9.711	1	2101	51	2.2
3490.2	10000	38.2832	95.6855	-319	PS	3.3	0	9.7	0	1.0	-1	0.331	0	3.222	1	9.720	1	2101	44	2.2
3490.3	10000	38.2834	95.6849	-320	PS	3.5	0	9.7	0	0.9	-1	0.371	1	3.613	2	9.727	1	2109	47	2.2
3490.4	10000	38.2836	95.6843	-321	PS	3.4	0	9.7	0	0.9	-1	0.364	1	3.852	2	10.591	2	2105	41	2.2
3490.5	10000	38.2838	95.6837	-321	PS	3.3	0	10.3	0	1.0	-1	0.326	0	3.636	2	11.146	2	2094	41	2.2
3490.6	10000	38.2840	95.6831	-320	PS	3.1	0	10.1	0	1.0	-1	0.330	0	3.446	1	10.437	2	2111	42	2.2
3490.7	10000	38.2842	95.6825	-320	PS	3.1	0	10.4	0	1.0	-1	0.300	0	3.125	1	10.416	2	2127	45	2.2
3490.8	10000	38.2844	95.6819	-320	PS	3.3	0	9.9	0	1.0	-1	0.335	0	3.421	1	10.203	2	2142	47	2.2
3490.9	10000	38.2846	95.6813	-320	PS	3.0	0	9.9	0	1.0	-1	0.305	0	3.186	1	10.450	2	2140	46	2.2
3491.0	10000	38.2848	95.6808	-319	PS	2.5	-1	10.7	1	0.9	-1	0.234	-2	2.682	0	11.471	3	2138	41	2.2
3491.1	10000	38.2850	95.6802	-319	PS	2.7	-1	10.7	1	1.0	-1	0.253	-1	2.783	0	11.000	2	2144	44	2.2
3491.2	10000	38.2852	95.6796	-320	PS	2.5	-1	10.3	1	0.9	-1	0.246	-1	2.737	0	11.120	2	2147	44	2.2
3491.3	10000	38.2854	95.6790	-321	PS	2.5	-1	10.5	1	0.9	-2	0.239	-2	2.770	0	11.570	3	2132	42	2.2
3491.4	10000	38.2856	95.6784	-322	PS	2.8	-1	10.2	1	0.9	-1	0.274	-1	3.040	1	11.090	2	2122	46	2.2
3491.5	10000	38.2858	95.6778	-324	PS	2.6	-1	10.1	1	0.9	-1	0.254	-1	2.723	0	10.702	2	2096	30	2.2
3491.6	10000	38.2860	95.6772	-326	PS	2.6	-1	9.4	0	0.9	-1	0.277	-1	2.789	0	10.072	1	2090	38	2.2
3491.7	10000	38.2862	95.6767	-327	PS	2.8	-1	9.1	0	1.0	-1	0.302	0	2.715	0	8.984	1	2105	50	2.2
3491.8	10000	38.2864	95.6761	-327	PS	2.8	-1	9.0	0	1.0	-1	0.312	0	2.699	0	8.649	0	2103	52	2.2
3491.9	10000	38.2866	95.6755	-328	PS	2.8	-1	9.0	0	1.0	-1	0.311	0	2.717	0	8.736	0	2112	44	2.2
3492.0	10000	38.2868	95.6749	-329	PS	2.8	-1	9.0	0	1.0	-1	0.317	0	2.715	0	8.736	0	2115	43	2.2
3492.1	10000	38.2869	95.6743	-329	PS	2.8	-1	9.0	0	1.0	-1	0.287	0	2.715	0	8.736	0	2120	66	2.2
3492.2	10000	38.2871	95.6737	-329	PS	2.8	-1	9.0	0	1.0	-1	0.268	0	2.715	0	8.736	0	2136	44	2.2
3492.3	10000	38.2873	95.6731	-329	PS	2.8	-1	9.0	0	1.0	-1	0.270	0	2.715	0	8.736	0	2160	68	2.2
3492.4	10000	38.2875	95.6725	-329	PS	2.8	-1	9.0	0	1.0	-1	0.266	0	2.715	0	8.736	0	2163	44	2.2
3492.5	10000	38.2875	95.6718	-329	PS	2.8	-1	9.0	0	1.0	-1	0.259	0	2.715	0	8.736	0	2176	69	2.2
3492.6	10000	38.2875	95.6711	-328	PS	2.8	-1	9.0	0	1.0	-1	0.284	0	2.715	0	8.736	0	2179	44	2.2
3492.7	10000	38.2875	95.6703	-329	PS	2.8	-1	9.0	0	1.0	-1	0.293	0	2.715	0	8.736	0	2175	44	2.2
3492.8	10000	38.2875	95.6696	-329	PS	2.8	-1	9.0	0	1.0	-1	0.294	0	2.715	0	8.736	0	2167	44	2.2
3492.9	10000	38.2875	95.6688	-329	PS	2.8	-1	9.0	0	1.0	-1	0.310	0	2.715	0	8.736	0	2164	44	2.2
3493.0	10000	38.2876	95.6681	-330	PS	2.8	-1	9.0	0	1.0	-1	0.337	0	2.715	0	8.736	0	2158	44	2.2
3493.1	10000	38.2876	95.6674	-331	PS	2.8	-1	9.0	0	1.0	-1	0.309	0	2.715	0	8.736	0	2161	44	2.2
3493.2	10000	38.2876	95.6666	-331	PS	2.8	-1	9.0	0	1.0	-1	0.281	0	2.715	0	8.736	0	2142	44	2.2
3493.3	10000	38.2876	95.6659	-332	PS	2.8	-1	9.0	0	1.0	-1	0.273	0	2.715	0	8.736	0	2130	44	2.2
3493.4	10000	38.2876	95.6651	-332	PS	2.8	-1	9.0	0	1.0	-1	0.256	0	2.715	0	8.736	0	2127	44	2.2
3493.5	10000	38.2876	95.6644	-332	PS	2.8	-1	9.0	0	1.0	-1	0.252	0	2.715	0	8.736	0	2119	44	2.2
3493.6	10000	38.2876	95.6637	-331	PS	2.8	-1	9.0	0	1.0	-1	0.212	0	2.715	0	8.736	0	2102	44	2.2
3493.7	10000	38.2876	95.6629	-330	PS	2.8	-1	9.0	0	1.0	-1	0.212	0	2.715	0	8.736	0	2069	44	2.2
3493.8	10000	38.2876	95.6622	-331	PS	2.8	-1	9.0	0	1.0	-1	0.212	0	2.715	0	8.736	0	2042	44	2.2
3493.9	10000	38.2876	95.6615	-330	PS	2.8	-1	9.0	0	1.0	-1	0.212	0	2.715	0	8.736	0	2052	44	2.2
3494.0	10000	38.2876	95.6607	-330	PS	2.8	-1	9.0	0	1.0	-1	0.212	0	2.715	0	8.736	0	2052	44	2.2

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKJT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3494.1	10000	38.2876	95.6600	-330	PS	2.6	-1	10.8	1	1.0	-1	0.240	-2	2.642	0	10.998	2	2007	48	2.2
3494.2	10000	38.2876	95.6592	-329	PS	2.6	-1	10.3	1	0.9	-1	0.255	-1	2.854	0	11.210	2	1974	47	2.2
3494.3	10000	38.2876	95.6585	-328	PS	3.0	1	9.6	0	0.8	-2	0.306	0	3.528	2	11.518	3	1943	58	2.2
3494.4	10000	38.2876	95.6578	-327	PS	3.5	1	9.3	0	0.8	-2	0.376	1	4.624	4	12.286	3	1917	46	2.2
3494.5	10000	38.2876	95.6570	-327	PS	3.5	1	8.9	-1	0.7	-3	0.398	1	4.965	4	12.488	3	1907	40	2.2
3494.6	10000	38.2876	95.6563	-325	PS	3.6	1	8.6	-1	0.7	-3	0.417	2	5.025	5	12.042	3	1896	53	2.2
3494.7	10000	38.2876	95.6555	-325	PS	3.7	1	8.0	-1	0.7	-2	0.455	2	4.957	4	10.894	2	1886	49	2.2
3494.8	10000	38.2876	95.6548	-326	PS	3.3	1	7.7	-2	0.7	-2	0.436	2	4.625	4	10.614	2	1887	42	2.2
3494.9	10000	38.2876	95.6541	-328	PS	3.3	0	8.0	-1	0.8	-2	0.415	2	4.055	3	9.765	1	1898	47	2.2
3495.0	10000	38.2876	95.6533	-328	PS	3.0	0	8.5	-1	0.9	-2	0.352	2	3.447	1	9.800	1	1912	43	2.2
3495.1	10000	38.2876	95.6526	-328	PS	2.7	-1	8.7	-1	0.9	-1	0.310	2	2.936	1	9.475	1	1924	50	2.2
3495.2	10000	38.2877	95.6519	-327	PS	2.7	-1	9.1	-1	1.0	-1	0.302	2	2.876	0	9.523	1	1939	48	2.2
3495.3	10000	38.2877	95.6511	-327	PS	2.6	-1	9.3	0	1.0	-1	0.278	-1	2.661	0	9.567	1	1970	39	2.2
3495.4	10000	38.2877	95.6504	-326	PS	2.8	0	10.0	1	0.9	-1	0.279	-1	2.996	1	10.730	2	1982	54	2.2
3495.5	10000	38.2877	95.6496	-326	PS	3.0	0	10.5	1	1.0	-1	0.286	-1	3.164	1	11.048	2	1991	46	2.2
3495.6	10000	38.2877	95.6489	-325	PS	3.3	1	10.3	1	0.9	-2	0.318	0	3.808	2	11.975	3	1993	46	2.2
3495.7	10000	38.2877	95.6482	-325	PS	3.4	1	9.9	0	0.9	-2	0.338	0	3.840	2	11.353	2	1989	41	2.2
3495.8	10000	38.2877	95.6474	-324	PS	3.3	1	9.6	0	0.9	-2	0.341	0	3.617	2	10.622	2	1990	44	2.2
3495.9	10000	38.2877	95.6467	-323	PS	3.2	1	9.5	0	0.9	-2	0.338	0	3.575	2	10.566	2	1977	41	2.2
3496.0	10000	38.2877	95.6459	-323	PS	3.0	1	9.1	-1	0.9	-1	0.327	1	2.922	1	9.887	1	1965	57	2.2
3496.1	10000	38.2877	95.6452	-323	PS	2.6	1	8.8	-1	0.9	-1	0.431	2	2.795	0	8.809	0	1951	55	2.2
3496.2	10000	38.2877	95.6445	-322	PS	2.5	1	8.8	-1	1.0	-1	0.433	2	2.625	0	8.371	0	1947	52	2.2
3496.3	10000	38.2877	95.6437	-320	PS	2.3	1	8.8	-1	1.0	-1	0.390	1	2.038	0	7.797	0	1940	52	2.2
3496.4	10000	38.2877	95.6430	-319	PS	2.3	1	8.8	-1	1.1	-1	0.399	1	2.098	0	7.755	0	1959	45	2.1
3496.5	10000	38.2877	95.6422	-319	PS	2.4	1	8.8	-1	1.1	-1	0.396	1	2.225	0	8.140	0	1964	45	2.1
3496.6	10000	38.2877	95.6415	-321	PS	2.3	1	8.8	-1	1.1	-1	0.399	1	2.078	0	7.714	0	1970	50	2.1
3496.7	10000	38.2877	95.6408	-322	PS	2.2	1	8.8	-1	1.1	-1	0.375	1	2.866	0	7.636	-1	1944	49	2.1
3496.8	10000	38.2877	95.6400	-322	PS	2.3	1	8.8	-1	1.1	-1	0.399	1	2.634	0	7.995	0	1948	46	2.1
3496.9	10000	38.2877	95.6393	-322	PS	2.3	1	8.8	-1	1.1	-1	0.375	1	2.636	0	8.442	0	1944	37	2.1
3497.0	10000	38.2877	95.6385	-322	PS	2.3	1	8.8	-1	1.1	-1	0.329	1	2.088	0	8.877	0	1947	46	2.1
3497.1	10000	38.2877	95.6378	-322	PS	2.3	1	8.8	-1	1.1	-1	0.312	1	2.147	0	9.662	0	1913	57	2.1
3497.2	10000	38.2877	95.6371	-322	PS	2.3	1	8.8	-1	1.1	-1	0.348	1	2.363	0	10.318	0	1890	50	2.1
3497.3	10000	38.2877	95.6363	-322	PS	2.3	1	8.8	-1	1.1	-1	0.326	1	2.599	0	10.930	0	1851	49	2.1
3497.4	10000	38.2877	95.6356	-322	PS	2.3	1	8.8	-1	1.1	-1	0.329	1	2.932	0	11.773	0	1826	46	2.1
3497.5	10000	38.2877	95.6349	-322	PS	2.3	1	8.8	-1	1.1	-1	0.334	1	3.018	0	12.326	0	1787	55	2.1
3497.6	10000	38.2878	95.6341	-322	PS	2.3	1	8.8	-1	1.1	-1	0.407	1	3.244	0	12.032	0	1759	42	2.1
3497.7	10000	38.2878	95.6334	-322	PS	2.3	1	8.8	-1	1.1	-1	0.436	2	3.103	0	12.694	0	1722	47	2.1
3497.8	10000	38.2878	95.6326	-322	PS	2.3	1	8.8	-1	1.1	-1	0.399	2	3.106	0	12.794	0	1716	47	2.1
3497.9	10000	38.2878	95.6319	-322	PS	2.3	1	8.8	-1	1.1	-1	0.369	2	3.437	0	12.012	0	1718	40	2.1
3498.0	10000	38.2878	95.6312	-322	PS	2.3	1	8.8	-1	1.1	-1	0.371	2	3.229	0	12.395	0	1758	44	2.1
3498.1	10000	38.2878	95.6304	-322	PS	2.3	1	8.8	-1	1.1	-1	0.365	2	3.338	0	12.779	0	1818	51	2.1
3498.2	10000	38.2878	95.6297	-322	PS	2.3	1	8.8	-1	1.1	-1	0.312	2	3.115	0	12.711	0	1887	56	2.1
3498.3	10000	38.2878	95.6290	-322	PS	2.3	1	8.8	-1	1.1	-1	0.307	2	2.844	0	12.137	0	1961	40	2.1
3498.4	10000	38.2878	95.6282	-322	PS	2.3	1	8.8	-1	1.1	-1	0.309	2	2.781	0	11.993	0	2044	67	2.1
3498.5	10000	38.2878	95.6275	-322	PS	2.3	1	8.8	-1	1.1	-1	0.325	2	2.755	0	11.563	0	2106	46	2.1
3498.6	10000	38.2878	95.6267	-322	PS	2.3	1	8.8	-1	1.1	-1	0.323	2	2.688	0	11.520	0	2153	39	2.1
3498.7	10000	38.2878	95.6260	-322	PS	2.3	1	8.8	-1	1.1	-1	0.316	2	2.759	0	11.476	0	2165	47	2.1
3498.8	10000	38.2878	95.6253	-322	PS	2.3	1	8.8	-1	1.1	-1	0.320	2	2.836	0	11.943	0	2157	44	2.1
3498.9	10000	38.2878	95.6245	-322	PS	2.3	1	8.8	-1	1.1	-1	0.297	2	2.792	0	11.869	0	2150	46	2.1
3499.0	10000	38.2878	95.6238	-322	PS	2.3	1	8.8	-1	1.1	-1	0.298	2	2.986	0	11.940	0	2138	33	2.1
3499.1	10000	38.2878	95.6230	-322	PS	2.3	1	8.8	-1	1.1	-1	0.306	2	2.966	0	11.864	0	2111	46	2.1
3499.2	10000	38.2878	95.6223	-360	PS	2.2	1	8.8	-1	1.1	-1	0.297	2	2.966	0	11.864	0	2094	54	2.1

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3499.3	10000	38.2878	95.6216	-363	PS	3.3	0	9.9	0	1.0	-1	0.328	0	3.121	1	9.519	1	2072	49	2.1
3499.4	10000	38.2878	95.6208	-367	PS	3.2	0	9.9	0	1.0	-1	0.327	0	3.294	1	10.081	1	2056	53	2.1
3499.5	10000	38.2878	95.6201	-369	PS	3.2	0	9.6	0	1.0	-1	0.331	0	3.331	1	10.053	1	2039	48	2.1
3499.6	10000	38.2878	95.6194	-372	PS	2.8	-1	9.5	0	0.9	-1	0.297	-1	3.063	1	10.329	2	2003	39	2.1
3499.7	10000	38.2878	95.6186	-375	PS	2.8	-1	9.1	0	0.9	-2	0.306	0	3.172	1	10.370	2	1964	38	2.1
3499.8	10000	38.2878	95.6179	-377	PS	2.6	-1	8.7	-1	0.9	-2	0.300	0	3.021	1	10.083	1	1939	50	2.1
3499.9	10000	38.2878	95.6171	-380	PS	2.6	-1	9.3	0	0.8	-2	0.274	-1	3.102	1	11.320	2	1918	43	2.1
3500.0	10000	38.2878	95.6164	-382	PS	2.5	-1	9.1	0	0.8	-2	0.272	-1	3.139	1	11.519	3	1897	58	2.1
3500.1	10000	38.2878	95.6157	-385	PS	2.8	-1	9.1	-1	0.8	-2	0.305	0	3.480	2	11.400	2	1903	59	2.1
3500.2	10000	38.2878	95.6149	-387	PS	2.7	-1	9.2	0	0.8	-2	0.291	-1	3.211	1	11.050	2	1924	35	2.1
3500.3	10000	38.2879	95.6142	-389	PS	2.9	0	9.4	0	0.9	-1	0.311	0	3.172	1	10.186	2	1960	44	2.1
3500.4	10000	38.2879	95.6134	-391	PS	3.0	0	9.5	0	0.9	-1	0.320	0	3.239	1	10.107	1	1977	50	2.1
3500.5	10000	38.2879	95.6127	-393	PS	3.3	0	9.8	0	1.0	-1	0.335	0	3.364	1	10.048	1	1992	45	2.1
3500.6	10000	38.2879	95.6120	-394	PS	3.4	0	9.7	0	1.0	-1	0.347	0	3.488	2	10.053	1	2011	49	2.1
3500.7	10000	38.2879	95.6112	-397	PS	3.5	1	10.1	0	1.0	-1	0.341	0	3.499	2	10.265	2	2040	45	2.1
3500.8	10000	38.2879	95.6105	-400	PS	3.2	0	10.3	1	1.0	-1	0.312	0	3.269	1	10.494	2	2047	50	2.1
3500.9	10000	38.2879	95.6098	-401	PS	3.1	0	10.3	1	1.0	-1	0.305	0	3.154	1	10.354	2	2042	51	2.1
3501.0	10000	38.2879	95.6090	-403	PS	3.3	0	10.2	1	1.0	-1	0.323	0	3.405	1	10.534	2	2037	56	2.1
3501.1	10000	38.2879	95.6083	-405	PS	3.3	0	10.2	1	1.0	-1	0.326	0	3.333	1	10.222	2	2045	52	2.1
3501.2	10000	38.2879	95.6075	-406	PS	3.4	1	10.0	0	1.0	-1	0.342	0	3.596	2	10.514	2	2040	52	2.1
3501.3	10000	38.2879	95.6068	-407	PS	3.4	1	10.0	0	0.9	-1	0.343	0	3.642	2	10.618	2	2032	40	2.1
3501.4	10000	38.2879	95.6060	-409	PS	3.4	0	9.8	0	0.9	-1	0.341	0	3.682	2	10.803	2	2024	51	2.1
3501.5	10000	38.2879	95.6053	-410	PS	3.2	0	9.6	0	0.9	-1	0.337	0	3.438	2	10.205	2	2017	47	2.1
3501.6	10000	38.2879	95.6046	-411	PS	3.4	1	9.3	0	0.9	-1	0.369	1	3.745	2	10.149	1	2014	55	2.1
3501.7	10000	38.2879	95.6038	-412	PS	3.1	0	9.6	0	0.9	-1	0.326	0	3.324	2	10.197	2	2014	57	2.1
3501.8	10000	38.2879	95.6031	-413	PS	3.3	0	9.6	0	0.9	-1	0.339	0	3.530	2	10.420	2	2006	51	2.1
3501.9	10000	38.2879	95.6024	-414	PS	2.9	0	9.6	0	0.9	-1	0.303	0	3.168	1	10.453	2	2009	41	2.1
3502.0	10000	38.2879	95.6016	-415	PS	2.9	0	9.4	0	0.9	-2	0.306	0	3.208	1	10.471	2	2010	55	2.1
3502.1	10000	38.2879	95.6009	-415	PS	3.0	0	9.6	0	0.9	-1	0.310	0	3.100	1	10.014	2	2006	46	2.1
3502.2	10000	38.2879	95.6001	-416	PS	3.0	0	9.6	0	0.9	-1	0.300	0	3.272	1	10.648	2	2003	50	2.1
3502.3	10000	38.2879	95.5994	-417	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.311	1	10.068	2	2011	41	2.1
3502.4	10000	38.2879	95.5987	-417	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.344	2	10.996	2	2032	47	2.1
3502.5	10000	38.2879	95.5979	-417	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.322	1	10.807	2	2047	44	2.1
3502.6	10000	38.2879	95.5972	-418	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.334	2	10.586	2	2072	43	2.1
3502.7	10000	38.2879	95.5965	-419	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.354	2	10.193	2	2094	43	2.1
3502.8	10000	38.2879	95.5957	-420	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.350	2	10.496	2	2117	45	2.1
3502.9	10000	38.2880	95.5950	-420	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.341	2	10.126	2	2132	45	2.1
3503.0	10000	38.2880	95.5942	-420	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.336	2	10.528	2	2134	45	2.1
3503.1	10000	38.2880	95.5935	-421	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.317	2	10.833	2	2119	49	2.1
3503.2	10000	38.2880	95.5928	-423	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.311	2	10.202	2	2132	49	2.1
3503.3	10000	38.2880	95.5920	-423	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.275	2	10.047	2	2132	52	2.1
3503.4	10000	38.2880	95.5913	-424	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.262	2	10.320	2	2113	45	2.1
3503.5	10000	38.2880	95.5905	-425	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.306	2	10.771	2	2101	49	2.1
3503.6	10000	38.2880	95.5898	-426	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.269	2	10.528	2	2108	45	2.1
3503.7	10000	38.2880	95.5891	-427	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.266	2	10.996	2	2109	49	2.1
3503.8	10000	38.2880	95.5883	-428	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.266	2	10.133	2	2107	49	2.1
3503.9	10000	38.2880	95.5876	-429	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.279	2	10.382	2	2111	50	2.1
3504.0	10000	38.2880	95.5869	-430	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.304	2	10.681	2	2129	60	2.1
3504.1	10000	38.2880	95.5861	-431	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.322	2	10.840	2	2123	53	2.1
3504.2	10000	38.2880	95.5854	-432	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.284	2	10.389	2	2133	49	2.1
3504.3	10000	38.2880	95.5846	-435	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.364	2	10.441	2	2130	49	2.1
3504.4	10000	38.2880	95.5839	-435	PS	3.1	0	9.6	0	0.9	-1	0.310	0	3.364	2	10.517	2	2131	49	2.1

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3504.5	10000	38.2880	95.5832	-436	PS	3.7	1	9.7	0	1.0	-1	0.383	1	3.859	2	10.069	1	2116	50	2.1
3504.6	10000	38.2880	95.5824	-437	PS	3.9	2	9.9	0	0.9	-1	0.395	1	4.182	3	10.585	2	2114	49	2.1
3504.7	10000	38.2880	95.5817	-437	PS	3.8	1	9.8	0	0.9	-1	0.387	1	4.035	3	10.418	2	2104	43	2.1
3504.8	10000	38.2880	95.5809	-438	PS	3.7	1	9.8	0	1.0	-1	0.376	1	3.745	2	9.959	1	2097	40	2.1
3504.9	10000	38.2880	95.5802	-438	PS	3.7	1	9.8	0	1.0	-1	0.380	1	3.682	2	9.688	1	2091	60	2.1
3505.0	10000	38.2880	95.5795	-438	PS	3.8	1	9.5	0	1.0	-1	0.404	1	3.841	2	9.518	1	2086	36	2.1
3505.1	10000	38.2880	95.5787	-437	PS	3.3	0	9.6	0	1.1	-1	0.350	0	3.143	1	8.992	1	2098	55	2.1
3505.2	10000	38.2880	95.5780	-437	PS	3.3	0	10.3	1	1.2	0	0.322	0	2.870	1	8.913	0	2122	56	2.1
3505.3	10000	38.2880	95.5773	-439	PS	3.1	0	10.4	1	1.2	0	0.298	-1	2.685	0	8.999	1	2136	53	2.1
3505.4	10000	38.2880	95.5765	-441	PS	3.0	0	10.5	1	1.2	0	0.285	-1	2.519	0	8.838	0	2139	55	2.1
3505.5	10000	38.2880	95.5758	-442	PS	3.0	0	10.5	1	1.2	0	0.290	-1	2.546	0	8.791	0	2139	53	2.1
3505.6	10000	38.2880	95.5750	-442	PS	3.0	0	10.7	1	1.2	0	0.276	-1	2.525	0	9.146	1	2137	46	2.1
3505.7	10000	38.2880	95.5743	-443	PS	2.7	-1	10.9	1	1.2	0	0.248	-1	2.337	-1	9.413	1	2123	42	2.1
3505.8	10000	38.2880	95.5736	-442	PS	2.7	-1	10.6	1	1.1	0	0.253	-1	2.415	-1	9.531	1	2090	53	2.1
3505.9	10000	38.2880	95.5728	-442	PS	2.6	-1	10.2	1	1.1	-1	0.255	-1	2.459	0	9.649	1	2065	37	2.1
3506.0	10000	38.2880	95.5721	-442	PS	2.6	-1	9.9	0	1.0	-1	0.258	-1	2.472	0	9.575	1	2032	52	2.1
3506.1	10000	38.2881	95.5714	-442	PS	2.6	-1	10.1	0	1.0	-1	0.263	-1	2.547	0	9.699	1	2007	46	2.1
3506.2	10000	38.2881	95.5706	-441	PS	2.6	-1	10.1	0	1.0	-1	0.258	-1	2.559	0	9.908	1	2012	57	2.1
3506.3	10000	38.2880	95.5699	-441	PS	2.5	-1	9.6	0	1.0	-1	0.258	-1	2.389	-1	9.243	1	1999	37	2.1
3506.4	10000	38.2881	95.5692	-440	PS	2.7	-1	10.0	0	1.0	-1	0.273	-1	2.631	0	9.649	1	2011	56	2.1
3506.5	10000	38.2881	95.5684	-440	PS	2.6	-1	10.3	1	1.0	-1	0.249	-1	2.484	0	9.964	1	2037	48	2.1
3506.6	10000	38.2881	95.5677	-440	PS	2.7	-1	10.6	1	1.1	-1	0.258	-1	2.590	0	10.050	1	2072	53	2.1
3506.7	10000	38.2881	95.5670	-439	PS	3.1	0	10.8	1	1.0	-1	0.285	-1	2.930	0	10.294	2	2103	50	2.1
3506.8	10000	38.2881	95.5662	-438	PS	3.2	0	10.5	1	1.1	-1	0.300	0	2.956	1	9.856	1	2154	50	2.2
3506.9	10000	38.2881	95.5655	-437	PS	3.5	1	10.5	1	1.1	0	0.337	0	3.198	1	9.496	1	2185	45	2.2
3507.0	10000	38.2881	95.5647	-437	PS	3.8	1	11.0	1	1.1	-1	0.348	0	3.531	2	10.144	1	2226	43	2.2
3507.1	10000	38.2881	95.5640	-436	PS	3.7	1	10.9	1	1.1	0	0.337	0	3.327	1	9.878	1	2235	61	2.2
3507.2	10000	38.2881	95.5633	-435	PS	3.9	1	10.5	1	1.1	0	0.396	1	3.619	2	9.131	1	2265	43	2.2
3507.3	10000	38.2881	95.5625	-434	PS	3.8	1	10.5	1	1.1	0	0.397	1	3.679	2	9.272	1	2274	40	2.2
3507.4	10000	38.2881	95.5618	-433	PS	3.5	1	10.5	1	1.2	0	0.362	0	3.184	1	9.794	1	2285	50	2.2
3507.5	10000	38.2881	95.5611	-432	PS	3.3	0	10.5	1	1.1	0	0.344	0	3.186	1	9.270	1	2301	56	2.2
3507.6	10000	38.2881	95.5603	-431	PS	3.3	0	10.4	1	1.2	0	0.313	0	2.983	1	9.538	1	2298	47	2.2
3507.7	10000	38.2881	95.5596	-430	PS	3.1	0	10.5	1	1.2	0	0.275	-1	2.516	0	9.164	1	2309	46	2.2
3507.8	10000	38.2881	95.5589	-430	PS	3.0	0	10.5	1	1.2	0	0.286	-1	2.460	0	9.600	1	2338	50	2.2
3507.9	10000	38.2881	95.5581	-429	PS	3.0	0	10.5	1	1.2	0	0.267	-1	2.468	0	9.238	1	2356	39	2.2
3508.0	10000	38.2881	95.5574	-428	PS	2.9	0	10.4	1	1.2	0	0.273	-1	2.497	0	9.144	1	2364	43	2.2
3508.1	10000	38.2881	95.5567	-427	PS	2.9	0	10.4	1	1.2	0	0.279	-1	2.738	0	9.037	1	2394	47	2.2
3508.2	10000	38.2881	95.5559	-427	PS	2.9	0	10.4	1	1.2	0	0.279	-1	2.000	0	9.037	1	2401	52	2.2
3508.3	10000	38.2881	95.5552	-426	PS	2.9	0	10.4	1	1.2	0	0.279	-1	2.197	0	9.002	1	2415	55	2.2
3508.4	10000	38.2881	95.5544	-425	PS	2.9	0	10.4	1	1.2	0	0.279	-1	2.511	0	9.033	1	2424	44	2.2
3508.5	10000	38.2881	95.5537	-425	PS	2.9	0	10.4	1	1.2	0	0.279	-1	2.512	0	9.077	1	2409	44	2.2
3508.6	10000	38.2881	95.5530	-424	PS	2.9	0	10.4	1	1.2	0	0.279	-1	2.344	0	9.248	1	2374	47	2.2
3508.7	10000	38.2881	95.5522	-423	PS	2.9	0	10.4	1	1.2	0	0.279	-1	2.495	0	9.877	1	2333	56	2.2
3508.8	10000	38.2881	95.5515	-422	PS	2.9	0	10.4	1	1.2	0	0.279	-1	2.248	0	9.829	1	2283	44	2.2
3508.9	10000	38.2881	95.5508	-421	PS	2.9	0	10.4	1	1.2	0	0.279	-1	2.001	0	9.464	1	2217	41	2.2
3509.0	10000	38.2881	95.5500	-421	PS	2.9	0	10.4	1	1.2	0	0.279	-1	1.867	0	9.922	1	2175	52	2.2
3509.1	10000	38.2881	95.5493	-420	PS	2.9	0	10.4	1	1.2	0	0.279	-1	2.705	0	9.711	1	2126	54	2.2
3509.2	10000	38.2881	95.5486	-419	PS	2.9	0	10.4	1	1.2	0	0.279	-1	2.581	0	9.704	1	2067	39	2.2
3509.3	10000	38.2881	95.5478	-418	PS	2.9	0	10.4	1	1.2	0	0.279	-1	2.586	0	9.621	1	2023	38	2.2
3509.4	10000	38.2881	95.5471	-418	PS	2.9	0	10.4	1	1.2	0	0.279	-1	2.500	0	9.543	1	1989	34	2.2
3509.5	10000	38.2881	95.5464	-417	PS	2.9	0	10.4	1	1.2	0	0.279	-1	2.616	0	9.654	1	1969	54	2.2
3509.6	10000	38.2881	95.5456	-417	PD	2.9	0	10.4	1	1.2	0	0.279	-1	2.633	0	9.818	1	1965	51	2.2

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3509.7	10000	38.2881	95.5449	-416	PD	2.7	-1	7.8	-2	1.0	0	0.342	0	2.559	-1	7.475	-1	1956	44	2.2
3509.8	10000	38.2881	95.5441	-415	PD	2.7	-1	7.6	-2	1.0	0	0.348	0	2.592	-1	7.456	-1	1949	41	2.2
3509.9	10000	38.2881	95.5434	-415	PD	2.8	-1	7.7	-2	1.0	-1	0.356	0	2.817	0	7.905	-1	1955	55	2.2
3510.0	10000	38.2881	95.5427	-414	PD	2.8	-1	8.6	-1	1.0	-1	0.320	0	2.876	0	8.975	0	1966	54	2.2
3510.1	10000	38.2881	95.5419	-414	PD	2.6	-1	8.8	-1	1.0	0	0.298	-1	2.501	-1	8.386	0	2009	45	2.2
3510.2	10000	38.2881	95.5412	-414	PD	2.6	-1	9.0	-1	1.1	0	0.284	-1	2.371	-1	8.362	0	2023	48	2.2
3510.3	10000	38.2881	95.5405	-414	PD	2.6	-1	9.2	0	1.1	0	0.283	-1	2.418	-1	8.531	0	2039	41	2.2
3510.4	10000	38.2881	95.5397	-414	PD	2.8	-1	9.5	0	1.1	0	0.300	-1	2.543	-1	8.488	0	2064	45	2.2
3510.5	10000	38.2881	95.5390	-414	PD	3.0	0	9.6	0	1.1	0	0.309	0	2.786	0	9.025	0	2082	44	2.2
3510.6	10000	38.2881	95.5383	-415	PD	3.2	0	9.8	0	1.1	0	0.330	0	3.011	0	9.123	0	2111	54	2.2
3510.7	10000	38.2881	95.5375	-415	PD	3.6	1	9.5	0	1.1	0	0.379	1	3.337	1	8.811	0	2136	48	2.2
3510.8	10000	38.2881	95.5368	-416	PD	3.7	1	10.0	0	1.0	-1	0.372	1	3.733	1	10.024	1	2133	48	2.1
3510.9	10000	38.2881	95.5361	-417	PD	4.0	2	9.9	0	0.9	-1	0.401	1	4.286	2	10.684	1	2128	38	2.1
3511.0	10000	38.2881	95.5353	-418	PD	3.8	1	9.9	0	0.9	-1	0.390	1	4.117	2	10.557	1	2138	49	2.1
3511.1	10000	38.2881	95.5346	-419	PD	3.7	1	9.7	0	1.0	-1	0.384	1	3.771	1	9.819	1	2114	57	2.1
3511.2	10000	38.2881	95.5338	-420	PD	3.9	1	9.7	0	1.0	0	0.399	1	3.729	1	9.337	0	2122	42	2.1
3511.3	10000	38.2881	95.5331	-420	PD	3.6	1	10.0	0	1.1	0	0.357	0	3.373	1	9.439	0	2147	58	2.1
3511.4	10000	38.2881	95.5324	-421	PD	3.4	0	10.0	0	1.1	0	0.339	0	3.176	0	9.369	0	2152	54	2.1
3511.5	10000	38.2881	95.5316	-424	PD	3.4	0	10.1	0	1.1	0	0.334	0	2.958	0	8.844	0	2178	48	2.1
3511.6	10000	38.2881	95.5309	-426	PD	3.3	0	9.9	0	1.2	0	0.331	0	2.799	0	8.447	0	2214	49	2.1
3511.7	10000	38.2881	95.5302	-427	PD	3.5	1	9.4	0	1.2	1	0.368	1	2.816	0	7.645	-1	2229	48	2.1
3511.8	10000	38.2881	95.5294	-428	PD	3.7	1	9.3	0	1.2	1	0.395	1	3.115	0	7.889	-1	2250	35	2.1
3511.9	10000	38.2881	95.5287	-430	PD	3.6	1	9.0	-1	1.2	1	0.405	1	3.051	0	7.538	-1	2258	47	2.1
3512.0	10000	38.2881	95.5280	-431	PD	3.7	1	8.7	-1	1.2	1	0.419	2	2.944	0	7.032	-1	2231	60	2.1
3512.1	10000	38.2881	95.5272	-433	PD	3.6	1	8.1	-1	1.3	1	0.445	2	2.812	0	6.313	-2	2198	42	2.1
3512.2	10000	38.2881	95.5265	-435	PD	3.8	1	8.4	-1	1.3	1	0.456	2	3.014	0	6.603	-2	2157	45	2.1
3512.3	10000	38.2881	95.5258	-436	PD	3.9	1	8.2	-1	1.3	1	0.470	3	3.052	0	6.490	-2	2121	58	2.1
3512.4	10000	38.2881	95.5250	-437	PD	3.8	1	9.0	-1	1.2	0	0.422	2	3.257	0	7.715	-1	2087	48	2.1
3512.5	10000	38.2881	95.5243	-437	PD	3.6	1	9.2	0	1.1	0	0.389	1	3.189	0	8.198	-1	2051	41	2.1
3512.6	10000	38.2881	95.5235	-439	PD	3.9	1	9.6	0	1.1	0	0.401	1	3.590	0	8.961	0	2024	53	2.1
3512.7	10000	38.2881	95.5228	-440	PD	4.0	1	9.3	0	1.1	0	0.435	1	4.001	1	9.189	0	2008	47	2.1
3512.8	10000	38.2881	95.5221	-440	PD	3.7	1	10.1	0	1.1	0	0.366	1	3.859	1	10.545	0	2020	49	2.1
3512.9	10000	38.2882	95.5213	-441	PD	3.6	1	10.1	0	1.0	0	0.359	1	3.899	1	10.869	0	2025	47	2.1
3513.0	10000	38.2881	95.5206	-441	PD	3.6	1	10.4	0	0.9	0	0.342	1	3.782	1	11.066	0	2032	53	2.1
3513.1	10000	38.2882	95.5199	-442	PD	3.6	1	10.1	0	1.0	0	0.355	1	3.718	1	10.486	0	2047	56	2.1
3513.2	10000	38.2882	95.5191	-443	PD	3.6	1	10.1	0	1.0	0	0.355	1	3.617	1	10.192	0	2074	49	2.1
3513.3	10000	38.2882	95.5184	-444	PD	3.6	1	10.4	0	1.0	0	0.291	1	2.836	0	9.732	0	2097	30	2.1
3513.4	10000	38.2882	95.5177	-444	PD	3.6	1	10.8	0	1.0	0	0.263	1	2.591	0	9.837	0	2137	47	2.1
3513.5	10000	38.2882	95.5169	-445	PD	3.6	1	10.6	0	1.0	0	0.267	1	2.505	0	9.392	0	2159	45	2.1
3513.6	10000	38.2882	95.5162	-445	PD	3.6	1	10.6	0	1.0	0	0.263	1	2.349	0	9.930	0	2207	32	2.1
3513.7	10000	38.2882	95.5155	-446	PD	3.6	1	10.8	0	1.0	0	0.249	1	2.191	0	9.812	0	2229	41	2.1
3513.8	10000	38.2882	95.5147	-446	PD	3.3	1	11.3	0	0.9	0	0.208	1	1.880	0	9.030	0	2250	53	2.1
3513.9	10000	38.2882	95.5140	-446	PD	3.3	1	11.6	0	0.9	0	0.201	1	1.747	0	9.694	0	2282	49	2.1
3514.0	10000	38.2882	95.5132	-446	PD	3.7	1	11.9	0	0.9	0	0.236	1	2.017	0	9.532	0	2322	40	2.1
3514.1	10000	38.2882	95.5125	-447	PD	3.7	1	11.9	0	0.9	0	0.254	1	2.287	0	9.007	0	2334	44	2.1
3514.2	10000	38.2882	95.5118	-446	PD	3.7	1	12.6	0	0.9	0	0.268	1	2.553	0	9.513	0	2367	37	2.1
3514.3	10000	38.2882	95.5110	-446	PD	3.8	1	12.5	0	0.9	0	0.284	1	2.649	0	9.325	0	2374	55	2.1
3514.4	10000	38.2882	95.5103	-446	PD	3.8	1	12.5	0	0.9	0	0.308	1	2.814	0	9.126	0	2392	52	2.1
3514.5	10000	38.2882	95.5096	-446	PD	3.8	1	12.4	0	0.9	0	0.346	1	3.175	0	9.180	0	2406	51	2.1
3514.6	10000	38.2882	95.5088	-446	PD	4.3	2	12.6	0	0.9	0	0.348	1	3.324	0	9.560	0	2396	47	2.1
3514.7	10000	38.2882	95.5081	-446	PD	4.3	2	12.6	0	0.9	0	0.337	1	3.469	0	9.293	0	2359	44	2.1
3514.8	10000	38.2882	95.5074	-445	PD	4.1	2	11.9	0	0.9	0	0.345	1	3.262	0	9.465	0	2340	45	2.1

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3514.9	10000	38.2882	95.5066	-444	PD	4.2	2	11.5	2	1.2	1	0.370	1	3.423	1	9.255	0	2309	53	1.9
3515.0	10000	38.2882	95.5059	-444	PD	4.1	2	11.4	1	1.2	0	0.360	0	3.522	1	9.794	1	2290	42	1.9
3515.1	10000	38.2882	95.5052	-443	PD	4.2	2	11.5	2	1.1	0	0.365	1	3.817	1	10.463	1	2279	51	1.9
3515.2	10000	38.2882	95.5044	-444	PD	4.0	2	11.5	2	1.1	0	0.349	0	3.599	1	10.305	1	2262	47	1.9
3515.3	10000	38.2882	95.5037	-443	PD	4.1	2	11.4	2	1.1	0	0.355	0	3.780	1	10.660	1	2258	52	1.9
3515.4	10000	38.2882	95.5029	-442	PD	4.0	2	11.1	1	1.1	0	0.363	1	3.749	1	10.323	1	2259	59	1.9
3515.5	10000	38.2882	95.5022	-442	PD	4.0	2	11.6	2	1.0	0	0.343	0	3.853	1	11.242	2	2256	38	1.9
3515.6	10000	38.2882	95.5015	-442	PD	3.7	1	11.6	2	1.0	0	0.320	0	3.645	1	11.390	2	2247	36	1.8
3515.7	10000	38.2882	95.5007	-441	PD	3.7	1	11.3	1	1.0	0	0.332	0	3.596	1	10.826	1	2237	48	1.8
3515.8	10000	38.2882	95.5000	-440	PD	3.5	1	11.2	1	1.0	0	0.316	0	3.379	1	10.692	1	2233	55	1.8
3515.9	10000	38.2882	95.4993	-440	PD	3.7	1	10.7	1	1.1	0	0.350	0	3.469	1	9.913	1	2230	47	1.8
3516.0	10000	38.2882	95.4985	-439	PD	3.7	1	10.5	1	1.1	0	0.356	0	3.406	1	9.573	0	2220	50	1.8
3516.1	10000	38.2882	95.4978	-439	PD	3.8	1	10.2	1	1.1	0	0.370	1	3.324	1	8.974	0	2226	42	1.8
3516.2	10000	38.2882	95.4971	-438	PD	3.6	1	10.1	0	1.2	0	0.359	0	3.083	1	8.582	0	2249	47	1.8
3516.3	10000	38.2882	95.4963	-438	PD	3.7	1	10.7	1	1.2	1	0.346	0	3.017	0	8.732	0	2274	47	1.8
3516.4	10000	38.2882	95.4956	-437	PD	3.6	1	11.0	1	1.3	1	0.326	0	2.864	0	8.794	0	2275	35	1.8
3516.5	10000	38.2882	95.4949	-436	PD	3.5	1	10.7	1	1.2	1	0.330	0	2.872	0	8.701	0	2278	33	1.8
3516.6	10000	38.2882	95.4941	-436	PD	3.3	0	11.4	1	1.2	1	0.291	-1	2.739	0	9.428	0	2285	52	1.7
3516.7	10000	38.2882	95.4934	-436	PD	3.4	1	11.2	1	1.2	1	0.307	-1	2.781	0	9.049	0	2281	40	1.7
3516.8	10000	38.2882	95.4926	-435	PD	3.5	1	11.6	2	1.2	1	0.300	-1	2.868	0	9.546	0	2268	63	1.7
3516.9	10000	38.2882	95.4919	-436	PD	3.6	1	11.5	2	1.2	1	0.312	0	3.024	0	9.697	1	2237	43	1.7
3517.0	10000	38.2882	95.4912	-436	PD	3.7	1	10.8	1	1.2	0	0.337	0	3.144	1	9.321	0	2200	44	1.7
3517.1	10000	38.2882	95.4904	-436	PD	3.8	1	10.8	1	1.1	0	0.354	0	3.491	1	9.856	1	2175	60	1.7
3517.2	10000	38.2882	95.4897	-436	PD	4.1	2	11.3	1	1.1	0	0.358	0	3.804	1	10.611	1	2154	49	1.7
3517.3	10000	38.2882	95.4890	-436	PD	4.1	2	11.2	1	1.1	0	0.371	1	3.885	2	10.482	1	2134	34	1.7
3517.4	10000	38.2882	95.4882	-437	PD	3.9	2	10.9	1	1.1	0	0.358	0	3.612	1	10.077	1	2116	39	1.7
3517.5	10000	38.2882	95.4875	-437	PD	3.6	1	10.8	1	1.1	0	0.328	0	3.238	1	9.859	1	2102	43	1.7
3517.6	10000	38.2882	95.4868	-438	PD	3.6	1	10.7	1	1.1	0	0.338	0	3.321	1	9.816	1	2097	36	1.7
3517.7	10000	38.2882	95.4860	-440	PD	3.5	1	10.7	1	1.1	0	0.335	0	3.207	1	9.570	0	2096	44	1.6
3517.8	10000	38.2882	95.4853	-440	PD	3.3	1	10.6	1	1.1	0	0.313	0	2.829	1	9.031	0	2120	37	1.6
3517.9	10000	38.2882	95.4846	-441	PD	3.4	1	10.6	1	1.1	0	0.296	-1	2.419	1	8.175	0	2116	26	1.6
3518.0	10000	38.2882	95.4838	-442	PD	3.4	1	10.7	1	1.1	0	0.323	0	2.544	1	8.876	0	2136	39	1.6
3518.1	10000	38.2882	95.4831	-444	PD	3.4	1	10.6	1	1.1	0	0.336	0	2.787	1	8.306	0	2168	48	1.6
3518.2	10000	38.2882	95.4823	-445	PD	3.4	1	10.3	1	1.1	0	0.372	0	3.015	1	8.110	0	2184	42	1.6
3518.3	10000	38.2882	95.4816	-446	PD	3.4	1	10.3	1	1.1	0	0.373	0	2.878	1	7.710	0	2187	44	1.6
3518.4	10000	38.2882	95.4809	-448	PD	3.4	1	10.2	1	1.1	0	0.389	0	3.036	1	7.811	0	2204	52	1.6
3518.5	10000	38.2882	95.4801	-449	PD	3.4	1	10.2	1	1.1	0	0.460	0	3.480	1	7.574	0	2192	53	1.6
3518.6	10000	38.2882	95.4794	-450	PD	3.4	1	10.2	1	1.1	0	0.486	0	3.749	1	7.722	0	2207	56	1.6
3518.7	10000	38.2882	95.4787	-452	PD	3.4	1	10.2	1	1.1	0	0.461	0	3.591	1	7.786	0	2202	42	1.6
3518.8	10000	38.2882	95.4779	-454	PD	3.4	1	10.2	1	1.1	0	0.420	0	3.276	1	7.806	0	2211	42	1.6
3518.9	10000	38.2882	95.4772	-455	PD	3.4	1	10.2	1	1.1	0	0.406	0	3.218	1	7.922	0	2217	44	1.6
3519.0	10000	38.2882	95.4765	-456	PD	3.4	1	10.2	1	1.1	0	0.396	0	3.142	1	7.718	0	2230	46	1.5
3519.1	10000	38.2882	95.4757	-458	PD	3.4	1	10.2	1	1.1	0	0.365	0	2.911	1	7.676	0	2246	45	1.5
3519.2	10000	38.2882	95.4750	-459	PD	3.4	1	10.2	1	1.1	0	0.351	0	2.776	1	7.940	0	2278	52	1.5
3519.3	10000	38.2882	95.4743	-459	PD	3.4	1	10.2	1	1.1	0	0.332	0	2.645	1	7.834	0	2280	51	1.5
3519.4	10000	38.2882	95.4735	-460	PD	3.4	1	10.2	1	1.1	0	0.320	0	2.559	1	7.976	0	2282	43	1.5
3519.5	10000	38.2882	95.4728	-461	PD	3.4	1	10.2	1	1.1	0	0.309	0	2.457	1	8.017	0	2267	47	1.5
3519.6	10000	38.2882	95.4720	-461	PD	3.4	1	10.2	1	1.1	0	0.307	0	2.557	1	8.873	0	2267	52	1.5
3519.7	10000	38.2882	95.4713	-462	PD	3.4	1	10.2	1	1.1	0	0.307	0	2.544	1	8.873	0	2265	47	1.5
3519.8	10000	38.2882	95.4706	-461	PD	3.4	1	10.2	1	1.1	0	0.307	0	2.559	1	8.896	0	2251	53	1.5
3519.9	10000	38.2882	95.4698	-462	PD	3.4	1	10.2	1	1.1	0	0.307	0	2.559	1	8.896	0	2222	38	1.5
3520.0	10000	38.2882	95.4691	-462	PD	3.4	1	10.2	1	1.1	0	0.307	0	2.559	1	8.896	0	2212	38	1.5

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3520.1	10000	38.2882	95.4684	-462	PD	4.4	3	11.5	2	1.1	0	0.384	0	3.888	2	10.118	1	2202	56	1.5
3520.2	10000	38.2882	95.4676	-462	PD	4.0	3	11.8	2	1.2	0	0.339	0	3.491	1	10.284	1	2212	62	1.5
3520.3	10000	38.2882	95.4669	-462	PD	3.9	3	11.7	2	1.1	0	0.334	0	3.676	1	10.993	1	2203	38	1.5
3520.4	10000	38.2882	95.4662	-462	PD	4.2	3	11.7	2	1.1	0	0.358	0	4.004	2	11.168	2	2206	46	1.5
3520.5	10000	38.2882	95.4654	-462	PD	4.4	3	11.6	2	1.1	0	0.379	0	4.329	2	11.432	2	2198	41	1.5
3520.6	10000	38.2882	95.4647	-462	PD	4.0	3	11.4	2	1.1	0	0.345	0	3.936	2	11.422	2	2198	44	1.5
3520.7	10000	38.2882	95.4640	-462	PD	4.1	3	11.5	2	1.1	0	0.349	0	3.956	2	11.343	2	2185	45	1.5
3520.8	10000	38.2882	95.4632	-463	PD	3.8	3	11.6	2	1.1	0	0.327	0	3.712	2	11.359	2	2175	34	1.5
3520.9	10000	38.2882	95.4625	-463	PD	3.6	3	11.9	2	1.1	0	0.307	0	3.580	2	11.656	2	2151	39	1.5
3521.0	10000	38.2882	95.4617	-464	PD	3.4	3	11.9	2	1.1	0	0.290	0	3.522	2	12.123	2	2143	40	1.5
3521.1	10000	38.2882	95.4610	-465	PD	3.3	3	11.7	2	1.1	0	0.281	0	3.386	2	12.061	2	2120	44	1.5
3521.2	10000	38.2882	95.4603	-467	PD	3.4	3	11.5	2	1.1	0	0.288	0	3.468	2	12.060	2	2101	51	1.5
3521.3	10000	38.2882	95.4595	-468	PD	3.4	3	11.5	2	1.1	0	0.295	0	3.817	2	12.943	2	2084	50	1.5
3521.4	10000	38.2882	95.4588	-470	PD	3.4	3	11.5	2	1.1	0	0.290	0	3.893	2	13.418	2	2086	51	1.5
3521.5	10000	38.2882	95.4581	-472	PD	3.8	3	11.9	2	1.1	0	0.317	0	4.359	2	13.745	2	2076	46	1.5
3521.6	10000	38.2882	95.4573	-473	PD	3.8	3	11.9	2	1.1	0	0.325	0	4.495	2	13.834	2	2067	45	1.5
3521.7	10000	38.2882	95.4566	-476	PD	3.7	3	11.9	2	1.1	0	0.321	0	4.300	2	13.375	2	2056	45	1.5
3521.8	10000	38.2882	95.4559	-478	PD	3.7	3	11.9	2	1.1	0	0.307	0	4.125	2	13.436	2	2056	33	1.5
3521.9	10000	38.2882	95.4551	-480	PD	3.8	3	11.9	2	1.1	0	0.317	0	4.250	2	13.398	2	2076	61	1.5
3522.0	10000	38.2882	95.4544	-482	PD	3.8	3	11.9	2	1.1	0	0.317	0	4.093	2	12.894	2	2079	42	1.5
3522.1	10000	38.2882	95.4537	-484	PD	3.9	3	11.7	2	1.1	0	0.336	0	4.397	2	13.068	2	2090	48	1.5
3522.2	10000	38.2882	95.4529	-486	PD	3.9	3	11.7	2	1.1	0	0.338	0	4.213	2	12.454	2	2102	44	1.5
3522.3	10000	38.2882	95.4522	-487	PD	3.9	3	11.7	2	1.1	0	0.342	0	4.270	2	12.494	2	2115	41	1.5
3522.4	10000	38.2882	95.4514	-488	PD	3.9	3	11.7	2	1.1	0	0.339	0	4.239	2	11.810	2	2118	48	1.5
3522.5	10000	38.2882	95.4507	-489	PD	3.9	3	11.7	2	1.1	0	0.352	0	4.389	2	12.454	2	2116	49	1.5
3522.6	10000	38.2882	95.4499	-490	PD	4.0	3	11.7	2	1.1	0	0.360	0	4.510	2	12.530	2	2097	55	1.5
3522.7	10000	38.2882	95.4492	-490	PD	4.1	3	11.7	2	1.1	0	0.365	0	4.609	2	12.621	2	2095	38	1.5
3522.8	10000	38.2882	95.4484	-490	PD	3.9	3	11.7	2	1.1	0	0.353	0	4.250	2	12.055	2	2082	42	1.5
3522.9	10000	38.2882	95.4476	-491	PD	3.9	3	11.7	2	1.1	0	0.330	0	3.855	2	11.673	2	2069	47	1.5
3523.0	10000	38.2882	95.4469	-491	PD	3.7	3	11.7	2	1.1	0	0.326	0	3.664	2	11.245	2	2070	35	1.5
3523.1	10000	38.2882	95.4461	-491	PD	3.5	3	11.7	2	1.1	0	0.302	0	3.627	2	12.025	2	2082	53	1.5
3523.2	10000	38.2882	95.4453	-491	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.280	2	11.381	2	2095	39	1.5
3523.3	10000	38.2882	95.4446	-491	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.265	2	11.330	2	2110	53	1.5
3523.4	10000	38.2882	95.4438	-490	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.308	2	11.485	2	2123	61	1.5
3523.5	10000	38.2882	95.4431	-490	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.450	2	11.978	2	2119	47	1.5
3523.6	10000	38.2882	95.4423	-489	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.704	2	12.854	2	2128	52	1.5
3523.7	10000	38.2882	95.4415	-490	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.047	2	10.577	2	2115	44	1.5
3523.8	10000	38.2882	95.4408	-489	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.169	2	11.000	2	2064	49	1.5
3523.9	10000	38.2882	95.4400	-489	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.398	2	11.794	2	2014	44	1.5
3524.0	10000	38.2882	95.4392	-489	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.980	2	13.816	2	1983	53	1.5
3524.1	10000	38.2882	95.4385	-489	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.851	2	13.365	2	1965	39	1.5
3524.2	10000	38.2882	95.4377	-489	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.728	2	12.938	2	1990	47	1.5
3524.3	10000	38.2882	95.4370	-489	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.655	2	12.684	2	2011	45	1.5
3524.4	10000	38.2882	95.4362	-489	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.777	2	13.107	2	2048	52	1.5
3524.5	10000	38.2882	95.4354	-489	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.767	2	13.072	2	2043	42	1.5
3524.6	10000	38.2882	95.4347	-490	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.819	2	13.252	2	2087	53	1.5
3524.7	10000	38.2882	95.4339	-490	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.847	2	13.349	2	2130	52	1.5
3524.8	10000	38.2882	95.4331	-490	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.848	2	13.352	2	2140	52	1.5
3524.9	10000	38.2882	95.4324	-491	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.848	2	13.352	2	2117	52	1.5
3525.0	10000	38.2882	95.4316	-491	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.847	2	13.349	2	2198	52	1.5
3525.1	10000	38.2882	95.4309	-492	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.847	2	13.349	2	2224	52	1.5
3525.2	10000	38.2882	95.4301	-492	PD	3.4	3	11.7	2	1.1	0	0.288	0	3.847	2	13.349	2	2224	52	1.5

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3525.3	10000	38.2882	95.4293	-492	PD	3.7	1	10.0	0	1.1	0	0.370	1	3.250	0	8.781	0	2180	48	1.6
3525.4	10000	38.2882	95.4286	-493	PD	3.9	2	9.3	0	1.1	0	0.424	2	3.438	1	8.109	-1	2158	30	1.7
3525.5	10000	38.2882	95.4278	-493	PD	3.9	1	9.3	0	1.2	0	0.417	2	3.360	1	8.052	-1	2148	43	1.7
3525.6	10000	38.2882	95.4270	-493	PD	3.7	1	9.5	0	1.1	0	0.389	1	3.212	0	8.252	0	2117	41	1.7
3525.7	10000	38.2882	95.4263	-493	PD	3.5	1	9.5	0	1.1	0	0.366	1	3.106	0	8.480	0	2113	31	1.7
3525.8	10000	38.2882	95.4255	-493	PD	3.6	1	9.5	0	1.1	0	0.375	1	3.126	0	8.329	0	2087	47	1.7
3525.9	10000	38.2882	95.4247	-493	PD	3.7	1	9.2	0	1.1	0	0.399	1	3.232	0	8.107	-1	2064	44	1.7
3526.0	10000	38.2881	95.4240	-492	PD	3.5	1	9.4	0	1.1	0	0.374	1	3.135	0	8.380	0	2045	45	1.7
3526.1	10000	38.2881	95.4232	-492	PD	3.4	0	10.0	0	1.1	0	0.341	1	3.101	0	9.102	0	2036	47	1.7
3526.2	10000	38.2881	95.4225	-491	PD	3.2	1	9.6	0	1.1	0	0.333	1	2.978	0	8.933	0	2029	54	1.7
3526.3	10000	38.2881	95.4217	-490	PD	3.7	1	9.7	0	1.1	0	0.345	1	3.048	0	8.826	0	2049	48	1.7
3526.4	10000	38.2881	95.4209	-489	PD	3.7	1	9.6	0	1.1	0	0.383	1	3.417	0	8.933	0	2050	51	1.7
3526.5	10000	38.2881	95.4202	-488	PD	3.7	1	9.4	0	1.1	0	0.399	1	3.401	1	8.531	0	2071	49	1.7
3526.6	10000	38.2881	95.4194	-487	PD	3.9	1	9.3	0	1.1	0	0.416	2	3.535	1	8.489	0	2098	29	1.7
3526.7	10000	38.2881	95.4186	-485	PD	3.9	1	9.4	0	1.1	0	0.418	2	3.498	1	8.370	0	2120	47	1.7
3526.8	10000	38.2881	95.4179	-483	PD	3.7	1	9.8	0	1.1	0	0.392	1	3.314	1	8.447	0	2150	44	1.7
3526.9	10000	38.2881	95.4171	-482	PD	3.9	1	10.1	0	1.2	0	0.390	2	3.323	1	8.518	0	2169	48	1.7
3527.0	10000	38.2881	95.4164	-481	PD	3.7	1	10.5	0	1.2	0	0.352	1	3.140	0	8.915	0	2181	52	1.8
3527.1	10000	38.2881	95.4156	-479	PD	3.6	1	10.6	0	1.2	0	0.341	1	3.051	0	8.952	0	2206	34	1.8
3527.2	10000	38.2881	95.4148	-477	PD	3.6	1	11.0	0	1.2	0	0.326	1	3.001	0	9.196	0	2231	45	1.8
3527.3	10000	38.2881	95.4141	-475	PD	3.5	1	11.1	0	1.2	0	0.318	1	3.141	0	9.890	1	2257	50	1.8
3527.4	10000	38.2881	95.4133	-473	PD	3.9	1	11.5	0	1.2	0	0.337	1	3.389	1	10.050	1	2265	47	1.8
3527.5	10000	38.2881	95.4125	-472	PD	3.8	1	11.2	0	1.2	0	0.354	1	3.425	1	9.678	1	2268	39	1.8
3527.6	10000	38.2881	95.4118	-469	PD	3.7	1	11.0	0	1.2	0	0.359	1	3.419	1	9.534	0	2283	41	1.8
3527.7	10000	38.2881	95.4110	-467	PD	3.8	1	10.8	0	1.2	0	0.384	1	3.461	1	9.006	0	2280	45	1.8
3527.8	10000	38.2881	95.4102	-466	PD	3.6	1	10.9	0	1.2	0	0.361	1	3.183	1	8.824	0	2271	35	1.8
3527.9	10000	38.2881	95.4095	-464	PD	3.6	1	10.9	0	1.2	0	0.347	1	3.200	1	9.223	0	2257	48	1.8
3528.0	10000	38.2881	95.4087	-462	PD	3.6	1	10.9	0	1.2	0	0.331	1	3.008	1	8.243	0	2257	29	1.8
3528.1	10000	38.2881	95.4080	-460	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3528.2	10000	38.2881	95.4072	-458	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3528.3	10000	38.2881	95.4064	-456	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3528.4	10000	38.2881	95.4057	-454	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3528.5	10000	38.2881	95.4049	-452	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3528.6	10000	38.2881	95.4041	-450	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3528.7	10000	38.2881	95.4034	-448	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3528.8	10000	38.2881	95.4026	-446	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3528.9	10000	38.2881	95.4019	-444	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3529.0	10000	38.2881	95.4011	-442	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3529.1	10000	38.2881	95.4003	-440	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3529.2	10000	38.2881	95.3996	-438	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3529.3	10000	38.2881	95.3988	-436	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3529.4	10000	38.2881	95.3980	-434	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3529.5	10000	38.2881	95.3973	-432	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3529.6	10000	38.2881	95.3965	-430	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3529.7	10000	38.2881	95.3958	-428	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3529.8	10000	38.2881	95.3950	-427	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3529.9	10000	38.2881	95.3942	-425	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3530.0	10000	38.2881	95.3935	-423	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3530.1	10000	38.2881	95.3927	-421	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3530.2	10000	38.2881	95.3919	-419	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3530.3	10000	38.2881	95.3912	-417	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8
3530.4	10000	38.2881	95.3904	-415	PD	3.6	1	10.9	0	1.2	0	0.330	1	3.006	1	8.243	0	2257	29	1.8

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3530.5	10000	38.2880	95.3896	-427	PD	3.2	0	7.7	-2	1.0	0	0.411	1	3.083	0	7.500	-1	1877	38	1.8
3530.6	10000	38.2880	95.3889	-427	PD	3.4	0	7.7	-2	1.0	0	0.434	2	3.294	1	7.597	-1	1879	35	1.8
3530.7	10000	38.2880	95.3881	-427	PD	3.3	0	7.9	-1	1.1	0	0.417	2	3.106	0	7.442	-1	1901	51	1.8
3530.8	10000	38.2880	95.3874	-426	PD	3.4	0	8.2	-1	1.0	0	0.418	2	3.301	1	7.891	-1	1930	46	1.8
3530.9	10000	38.2880	95.3866	-426	PD	3.4	0	8.4	-1	1.0	0	0.407	1	3.339	1	8.206	-1	1955	38	1.8
3531.0	10000	38.2880	95.3858	-426	PD	3.1	0	8.7	-1	1.1	0	0.362	1	2.992	0	8.277	0	1974	56	1.8
3531.1	10000	38.2880	95.3851	-426	PD	3.0	0	8.6	-1	1.0	0	0.347	0	2.885	0	8.313	0	1997	60	1.8
3531.2	10000	38.2880	95.3843	-426	QAL	3.3	0	9.3	0	1.1	-1	0.354	1	3.122	1	8.824	1	2028	40	1.8
3531.3	10000	38.2880	95.3835	-426	QAL	3.2	0	9.7	0	1.1	-1	0.326	0	2.832	0	8.679	1	2078	46	1.8
3531.4	10000	38.2880	95.3828	-426	QAL	3.3	0	9.9	1	1.1	-1	0.318	0	2.868	0	9.004	1	2080	48	1.8
3531.5	10000	38.2880	95.3820	-426	QAL	3.3	0	10.0	1	1.1	-1	0.327	0	2.935	0	8.987	1	2089	43	1.8
3531.6	10000	38.2880	95.3813	-426	QAL	3.1	0	10.2	1	1.1	-1	0.307	0	2.758	0	8.991	1	2080	35	1.8
3531.7	10000	38.2880	95.3805	-426	QAL	3.0	0	10.1	1	1.1	-1	0.303	-1	2.699	0	8.909	1	2072	42	1.8
3531.8	10000	38.2880	95.3797	-425	QAL	3.0	0	10.5	1	1.1	-1	0.290	-1	2.774	0	9.568	1	2054	47	1.8
3531.9	10000	38.2880	95.3790	-425	QAL	3.0	0	10.3	1	1.1	-1	0.288	-1	2.240	0	9.035	1	2046	60	1.8
3532.0	10000	38.2880	95.3782	-425	QAL	3.1	0	10.2	1	1.1	-1	0.268	-1	2.469	0	9.227	1	2010	42	1.8
3532.1	10000	38.2880	95.3774	-426	QAL	3.0	0	10.2	1	1.1	-1	0.282	-1	2.731	0	9.700	1	2018	42	1.8
3532.2	10000	38.2879	95.3767	-425	QAL	2.9	0	9.9	1	1.1	-1	0.280	-1	2.770	0	9.876	2	2014	47	1.8
3532.3	10000	38.2879	95.3759	-424	QAL	2.9	0	9.9	1	1.1	-1	0.292	-1	2.118	1	9.723	2	2042	58	1.8
3532.4	10000	38.2879	95.3752	-425	QAL	3.0	0	10.4	1	1.1	-1	0.321	0	2.351	1	10.182	2	2102	51	1.8
3532.5	10000	38.2879	95.3744	-426	QAL	3.1	0	10.3	1	1.1	-1	0.329	0	2.356	1	9.086	1	2180	43	1.8
3532.6	10000	38.2879	95.3736	-427	QAL	3.1	0	10.4	1	1.1	-1	0.369	0	2.492	1	9.798	1	2235	52	1.8
3532.7	10000	38.2879	95.3729	-427	QAL	3.1	0	10.5	1	1.2	-1	0.397	0	2.463	1	9.562	1	2316	54	1.8
3532.8	10000	38.2879	95.3721	-427	QAL	3.2	0	10.5	1	1.3	-1	0.404	0	2.541	2	9.271	1	2371	44	1.8
3532.9	10000	38.2879	95.3713	-427	PLP	3.3	0	10.4	1	1.4	-1	0.428	0	2.341	1	7.648	-1	2435	40	1.8
3533.0	10000	38.2879	95.3706	-427	PLP	3.4	0	10.6	1	1.4	-1	0.437	0	2.442	1	7.829	-1	2489	60	1.8
3533.1	10000	38.2879	95.3698	-428	PLP	3.4	0	10.7	1	1.4	-1	0.440	0	2.097	1	7.999	-1	2525	60	1.8
3533.2	10000	38.2879	95.3690	-428	PLP	3.4	0	10.7	1	1.4	-1	0.445	0	2.038	1	7.307	-1	2531	60	1.8
3533.3	10000	38.2879	95.3683	-428	PLP	3.4	0	10.7	1	1.4	-1	0.445	0	2.097	1	7.235	-1	2564	60	1.8
3533.4	10000	38.2879	95.3675	-427	PLP	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.170	-1	2574	60	1.8
3533.5	10000	38.2879	95.3668	-426	PLP	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.138	-1	2587	60	1.8
3533.6	10000	38.2879	95.3660	-428	PLP	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2594	60	1.8
3533.7	10000	38.2879	95.3652	-431	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2561	60	1.8
3533.8	10000	38.2879	95.3645	-432	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2520	60	1.8
3534.0	10000	38.2879	95.3637	-433	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2497	60	1.8
3534.1	10000	38.2879	95.3629	-432	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2440	60	1.8
3534.2	10000	38.2879	95.3622	-434	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2396	60	1.8
3534.3	10000	38.2879	95.3614	-434	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2350	60	1.8
3534.4	10000	38.2879	95.3607	-435	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2302	60	1.8
3534.5	10000	38.2879	95.3599	-436	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2272	60	1.8
3534.6	10000	38.2879	95.3591	-437	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2262	60	1.8
3534.7	10000	38.2879	95.3584	-438	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2246	60	1.8
3534.8	10000	38.2879	95.3576	-441	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2269	60	1.8
3534.9	10000	38.2879	95.3568	-442	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2274	60	1.8
3535.0	10000	38.2879	95.3561	-442	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2276	60	1.8
3535.1	10000	38.2879	95.3553	-444	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2279	60	1.8
3535.2	10000	38.2879	95.3546	-444	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2255	60	1.8
3535.3	10000	38.2878	95.3538	-445	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2242	60	1.8
3535.4	10000	38.2878	95.3530	-446	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2199	60	1.8
3535.5	10000	38.2878	95.3523	-447	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2156	60	1.8
3535.6	10000	38.2878	95.3515	-449	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2126	60	1.8
3535.7	10000	38.2878	95.3507	-450	PD	3.4	0	10.7	1	1.4	-1	0.441	0	2.038	1	7.106	-1	2097	60	1.8

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3535.7	10000	38.2878	95.3500	-451	PD	3.4	1	10.0	0	1.2	0	0.346	0	2.951	0	8.540	0	2092	42	1.7
3535.8	10000	38.2878	95.3492	-452	PD	3.4	1	9.9	0	1.1	0	0.348	0	3.113	0	8.957	0	2073	61	1.7
3535.9	10000	38.2878	95.3484	-454	PD	3.6	1	9.8	0	1.1	0	0.368	1	3.298	1	8.957	0	2063	52	1.7
3536.0	10000	38.2878	95.3477	-455	PD	3.7	1	9.7	0	1.1	0	0.386	1	3.504	1	9.077	0	2059	41	1.7
3536.1	10000	38.2878	95.3469	-456	PD	4.0	2	10.0	0	1.0	0	0.398	1	3.853	1	9.683	1	2070	42	1.7
3536.2	10000	38.2878	95.3462	-457	PD	4.0	2	10.0	0	1.0	0	0.400	1	3.903	2	9.768	1	2081	52	1.7
3536.3	10000	38.2878	95.3454	-458	PD	4.0	2	9.4	0	1.0	0	0.429	2	3.868	2	9.015	0	2074	37	1.6
3536.4	10000	38.2878	95.3446	-460	PD	3.9	1	9.3	0	1.0	-1	0.418	2	3.847	1	9.208	0	2068	37	1.6
3536.5	10000	38.2878	95.3439	-461	PLP	3.8	1	9.3	0	1.0	-1	0.410	1	3.856	2	9.402	1	2033	37	1.6
3536.6	10000	38.2878	95.3431	-462	PLP	3.6	1	9.0	-1	1.0	-1	0.405	1	3.815	2	9.418	1	2004	52	1.6
3536.7	10000	38.2878	95.3423	-463	PLP	3.6	1	9.5	-1	1.0	-1	0.417	1	3.685	1	8.846	1	1951	49	1.6
3536.8	10000	38.2878	95.3416	-463	PLP	3.2	1	8.3	-1	0.9	-1	0.388	1	3.414	1	8.790	0	1906	41	1.6
3536.9	10000	38.2878	95.3408	-466	PLP	3.3	1	8.1	-1	1.0	-1	0.410	1	3.478	1	8.482	0	1883	43	1.6
3537.0	10000	38.2878	95.3401	-470	PLP	3.5	1	8.1	-1	0.9	-1	0.425	2	3.730	1	8.787	0	1869	46	1.6
3537.1	10000	38.2878	95.3393	-472	PLP	3.7	1	8.0	-2	0.9	-1	0.457	2	4.066	1	8.900	0	1860	50	1.6
3537.2	10000	38.2878	95.3386	-475	PLP	3.9	1	8.1	-1	0.9	-2	0.479	3	4.469	2	9.339	1	1862	65	1.6
3537.3	10000	38.2878	95.3378	-477	PLP	3.8	1	8.3	-1	0.9	-2	0.455	2	4.392	3	9.646	1	1876	50	1.6
3537.4	10000	38.2878	95.3371	-478	PLP	4.0	2	8.7	-1	0.9	-2	0.460	2	4.673	3	10.152	1	1913	41	1.6
3537.5	10000	38.2878	95.3364	-480	PLP	4.1	2	8.6	-1	0.9	-2	0.477	3	4.684	3	9.828	1	1939	49	1.6
3537.6	10000	38.2878	95.3356	-481	PLP	3.9	1	8.9	-1	0.9	-2	0.439	2	4.541	2	10.336	1	1948	52	1.6
3537.7	10000	38.2878	95.3349	-483	PLP	4.0	2	9.0	-1	0.8	-2	0.445	2	4.821	2	10.836	2	1960	48	1.7
3537.8	10000	38.2878	95.3342	-484	PLP	3.8	1	9.1	0	0.9	-2	0.412	2	4.298	2	10.425	1	1962	43	1.7
3537.9	10000	38.2878	95.3334	-486	PLP	3.7	1	8.7	-1	0.9	-1	0.425	2	3.966	2	9.338	1	1985	51	1.7
3538.0	10000	38.2878	95.3327	-487	PLP	3.8	1	8.5	-1	1.0	-1	0.447	2	3.926	2	8.778	0	1992	43	1.7
3538.1	10000	38.2877	95.3320	-488	PLP	3.7	1	8.7	-1	1.0	-1	0.426	2	3.734	1	8.758	0	1999	45	1.7
3538.2	10000	38.2877	95.3312	-489	PLP	3.7	1	8.7	-1	1.0	-1	0.426	2	3.678	1	8.635	0	2000	37	1.7
3538.3	10000	38.2877	95.3305	-490	PLP	3.8	1	8.5	-1	1.1	-1	0.450	2	3.608	1	8.025	0	2019	46	1.7
3538.4	10000	38.2877	95.3298	-491	PLP	3.7	1	8.9	-1	1.1	-1	0.412	2	3.256	1	7.897	0	2051	67	1.7
3538.5	10000	38.2877	95.3290	-492	PLP	3.9	1	9.1	0	1.2	-1	0.427	2	3.250	1	7.613	-1	2107	55	1.7
3538.6	10000	38.2877	95.3283	-491	PLP	3.9	1	9.6	0	1.2	-1	0.402	2	3.265	1	8.128	0	2143	40	1.7
3538.7	10000	38.2877	95.3276	-490	PLP	3.8	1	9.7	0	1.2	-1	0.392	2	3.080	1	7.854	0	2182	43	1.7
3538.8	10000	38.2877	95.3268	-493	PLP	3.8	1	9.9	0	1.2	-1	0.360	2	3.187	1	8.549	0	2214	47	1.7
3538.9	10000	38.2877	95.3261	-495	PLP	3.7	1	9.7	0	1.2	-1	0.342	2	2.889	1	8.549	0	2236	55	1.7
3539.0	10000	38.2877	95.3254	-496	PLP	3.7	1	9.7	0	1.1	-1	0.331	2	2.835	1	8.733	0	2221	57	1.7
3539.1	10000	38.2877	95.3246	-497	PLP	3.7	1	9.9	0	1.1	-1	0.366	2	2.764	1	8.543	0	2191	52	1.7
3539.2	10000	38.2877	95.3239	-497	PLP	3.7	1	9.9	0	1.1	-1	0.353	2	2.764	1	8.543	0	2171	44	1.7
3539.3	10000	38.2877	95.3232	-496	PLP	3.7	1	9.8	0	1.1	-1	0.368	2	2.764	1	8.543	0	2137	55	1.7
3539.4	10000	38.2877	95.3224	-495	PLP	3.7	1	9.8	0	1.1	-1	0.368	2	2.764	1	8.543	0	2105	43	1.7
3539.5	10000	38.2877	95.3217	-495	PLP	3.7	1	9.8	0	1.1	-1	0.368	2	2.764	1	8.543	0	2075	55	1.7
3539.6	10000	38.2877	95.3210	-495	PLP	3.7	1	9.8	0	1.1	-1	0.368	2	2.764	1	8.543	0	2076	37	1.7
3539.7	10000	38.2877	95.3202	-495	PLP	3.7	1	9.8	0	1.1	-1	0.368	2	2.764	1	8.543	0	2101	56	1.7
3539.8	10000	38.2877	95.3195	-494	PLP	3.7	1	9.8	0	1.1	-1	0.368	2	2.764	1	8.543	0	2139	82	1.7
3539.9	10000	38.2877	95.3188	-492	PLP	3.7	1	9.8	0	1.1	-1	0.368	2	2.764	1	8.543	0	2165	57	1.7
3540.0	10000	38.2877	95.3180	-491	PLP	3.7	1	9.8	0	1.1	-1	0.368	2	2.764	1	8.543	0	2161	94	1.7
3540.1	10000	38.2877	95.3173	-490	PLP	3.7	1	9.8	0	1.1	-1	0.368	2	2.764	1	8.543	0	2198	81	1.7
3540.2	10000	38.2877	95.3166	-488	PLP	3.7	1	9.8	0	1.1	-1	0.368	2	2.764	1	8.543	0	2144	44	1.7
3540.3	10000	38.2877	95.3158	-488	PLP	3.7	1	9.8	0	1.1	-1	0.368	2	2.764	1	8.543	0	2194	39	1.7
3540.4	10000	38.2877	95.3151	-487	PLP	3.7	1	9.8	0	1.1	-1	0.368	2	2.764	1	8.543	0	2196	39	1.7
3540.5	10000	38.2877	95.3144	-486	PLP	3.7	1	9.8	0	1.1	-1	0.368	2	2.764	1	8.543	0	2214	39	1.7
3540.6	10000	38.2877	95.3136	-485	PLP	3.7	1	9.8	0	1.1	-1	0.368	2	2.764	1	8.543	0	2214	39	1.7
3540.7	10000	38.2877	95.3129	-484	PLP	3.7	1	9.8	0	1.1	-1	0.368	2	2.764	1	8.543	0	2214	39	1.7
3540.8	10000	38.2876	95.3122	-476	PD	3.7	1	9.8	0	1.1	-1	0.368	2	2.764	1	8.543	0	2214	39	1.7

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3540.9	10000	38.2876	95.3114	-474	PD	3.9	2	10.5	1	1.4	1	0.376	1	2.917	0	7.765	-1	2411	58	1.8
3541.0	10000	38.2876	95.3107	-472	PD	3.8	1	10.9	1	1.4	2	0.345	1	2.754	0	7.974	-1	2384	48	1.8
3541.1	10000	38.2876	95.3100	-470	PD	3.6	1	10.7	1	1.4	1	0.333	0	2.645	-1	7.949	-1	2359	46	1.8
3541.2	10000	38.2876	95.3092	-469	PD	3.4	1	10.8	1	1.3	1	0.316	-1	2.538	-1	8.023	-1	2334	37	1.9
3541.3	10000	38.2876	95.3085	-469	PLP	3.4	0	11.2	1	1.3	1	0.307	-1	2.545	0	8.287	0	2316	49	1.9
3541.4	10000	38.2876	95.3078	-468	PLP	3.3	-1	11.7	1	1.3	1	0.255	-2	2.263	-1	8.883	0	2284	44	1.9
3541.5	10000	38.2876	95.3071	-468	PLP	3.2	-1	11.5	1	1.3	1	0.239	-2	2.191	-1	9.179	1	2259	43	1.9
3541.6	10000	38.2876	95.3063	-468	PLP	3.2	1	11.5	1	1.3	1	0.280	-1	2.634	1	9.412	1	2210	54	1.9
3541.7	10000	38.2876	95.3056	-468	PLP	3.1	1	10.5	1	1.3	1	0.298	-1	2.672	0	8.982	0	2205	42	1.9
3541.8	10000	38.2876	95.3049	-467	PLP	3.1	0	10.0	1	1.3	1	0.339	0	3.032	1	8.933	0	2182	41	1.9
3541.9	10000	38.2876	95.3041	-467	PLP	3.5	1	9.8	1	1.3	1	0.356	0	3.162	1	8.886	0	2155	44	1.9
3542.0	10000	38.2876	95.3034	-466	PLP	3.6	1	9.8	1	1.3	1	0.390	1	3.439	1	8.807	0	2103	41	1.9
3542.1	10000	38.2876	95.3027	-465	PLP	3.7	1	9.8	1	1.3	1	0.433	1	3.753	1	8.671	0	2060	57	1.9
3542.2	10000	38.2876	95.3019	-464	PKC	3.8	1	9.8	1	1.3	1	0.480	2	4.029	2	8.396	0	1993	53	1.9
3542.3	10000	38.2876	95.3012	-462	PKC	3.8	1	9.8	1	1.3	1	0.452	1	3.499	1	8.045	0	1960	54	1.9
3542.4	10000	38.2876	95.3005	-461	PKC	3.8	1	9.8	1	1.3	1	0.443	1	3.764	1	8.499	0	1902	56	2.0
3542.5	10000	38.2876	95.2997	-459	PKC	3.8	1	9.8	1	1.3	1	0.417	1	3.576	1	8.574	0	1880	39	2.0
3542.6	10000	38.2876	95.2990	-457	PKC	3.8	1	9.8	1	1.3	1	0.427	1	3.565	1	8.354	0	1887	39	2.0
3542.7	10000	38.2876	95.2983	-454	PKC	3.8	1	9.8	1	1.3	1	0.431	1	3.522	1	8.165	0	1923	44	2.0
3542.8	10000	38.2876	95.2975	-452	PKC	3.8	1	9.8	1	1.3	1	0.453	1	3.465	1	7.644	-1	1982	50	2.0
3542.9	10000	38.2876	95.2968	-449	QAL	3.8	1	9.8	1	1.3	2	0.460	1	3.581	2	7.790	0	2077	54	2.0
3543.0	10000	38.2876	95.2961	-446	QAL	3.8	1	9.8	1	1.3	1	0.434	1	3.461	1	7.975	0	2150	47	2.0
3543.1	10000	38.2876	95.2953	-444	QAL	3.8	1	9.8	1	1.3	1	0.424	1	3.116	1	7.349	0	2236	43	2.0
3543.2	10000	38.2875	95.2946	-441	QAL	3.8	1	10.2	1	1.3	1	0.368	1	2.874	1	7.817	0	2295	45	2.0
3543.3	10000	38.2875	95.2939	-438	QAL	3.8	1	10.2	1	1.3	1	0.367	1	2.760	1	7.523	0	2350	46	2.0
3543.4	10000	38.2875	95.2931	-434	QAL	3.8	1	10.2	1	1.3	1	0.333	0	2.460	0	7.380	0	2433	48	2.0
3543.5	10000	38.2875	95.2924	-432	QAL	3.8	1	10.2	1	1.3	1	0.278	-1	2.120	-1	7.638	0	2499	42	2.0
3543.6	10000	38.2875	95.2917	-430	QAL	3.8	1	10.2	1	1.3	1	0.260	-1	1.912	-1	7.364	0	2528	37	2.0
3543.7	10000	38.2875	95.2909	-427	QAL	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.079	0	2514	42	2.0
3543.8	10000	38.2875	95.2902	-425	QAL	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.607	0	2478	35	2.0
3543.9	10000	38.2875	95.2895	-425	QAL	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.095	0	2429	40	2.0
3544.0	10000	38.2875	95.2887	-425	QAL	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.454	0	2368	40	2.0
3544.1	10000	38.2875	95.2880	-425	QAL	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.814	0	2252	36	2.0
3544.2	10000	38.2875	95.2873	-425	QAL	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.579	0	2136	51	2.0
3544.3	10000	38.2875	95.2865	-424	QAL	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.545	0	2048	49	2.0
3544.4	10000	38.2875	95.2858	-423	QAL	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.851	0	2010	36	2.0
3544.5	10000	38.2875	95.2851	-422	QAL	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.672	0	2010	37	2.0
3544.6	10000	38.2875	95.2843	-421	QAL	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.549	0	2004	45	2.0
3544.7	10000	38.2875	95.2836	-421	QAL	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.649	0	2000	44	2.0
3544.8	10000	38.2875	95.2829	-421	QAL	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.688	0	2018	41	2.0
3544.9	10000	38.2875	95.2821	-422	QAL	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.695	0	2047	59	2.0
3545.0	10000	38.2875	95.2814	-423	PKC	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.695	0	2052	42	2.0
3545.1	10000	38.2875	95.2807	-423	PKC	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.695	0	2036	53	2.0
3545.2	10000	38.2875	95.2799	-423	PKC	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.695	0	2025	33	2.0
3545.3	10000	38.2875	95.2792	-424	PKC	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.695	0	2013	47	2.0
3545.4	10000	38.2875	95.2785	-424	PKC	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.695	0	2005	44	2.0
3545.5	10000	38.2875	95.2777	-424	PKC	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.695	0	1992	44	2.0
3545.6	10000	38.2874	95.2770	-425	PKC	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.695	0	1988	45	2.0
3545.7	10000	38.2874	95.2763	-425	PKC	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.695	0	1974	44	2.0
3545.8	10000	38.2874	95.2755	-425	PKC	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.695	0	1981	40	2.0
3545.9	10000	38.2874	95.2748	-425	PKC	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.695	0	1987	52	2.0
3546.0	10000	38.2874	95.2741	-424	PKC	3.8	1	10.2	1	1.3	1	0.283	-1	2.005	-1	7.695	0	1997	53	2.0

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3546.1	10000	38.2874	95.2733	-425	PKC	3.1	0	6.3	-2	0.8	-2	0.495	2	3.963	1	7.999	0	1632	53	2.1
3546.2	10000	38.2874	95.2726	-424	PKC	2.9	-1	6.5	-2	0.8	-2	0.451	1	3.768	1	8.359	0	1606	44	2.1
3546.3	10000	38.2874	95.2719	-425	PKC	2.9	-1	6.4	-2	0.8	-2	0.451	1	3.568	1	7.910	0	1613	50	2.1
3546.4	10000	38.2874	95.2711	-424	PKC	2.7	-1	6.6	-2	0.8	-2	0.405	1	3.360	1	8.296	0	1644	31	2.1
3546.5	10000	38.2874	95.2704	-425	PKC	2.8	-1	6.8	-2	0.8	-2	0.416	1	3.381	1	8.127	0	1699	49	2.1
3546.6	10000	38.2874	95.2697	-425	PLP	2.2	0	7.1	-2	0.8	-2	0.448	2	3.798	2	8.479	0	1759	53	2.1
3546.7	10000	38.2874	95.2690	-424	PLP	2.0	0	7.6	-2	0.8	-2	0.393	1	3.579	1	9.115	0	1813	52	2.1
3546.8	10000	38.2874	95.2682	-424	PLP	2.2	0	8.4	-1	0.9	-2	0.381	1	3.641	1	9.565	1	1888	50	2.1
3546.9	10000	38.2874	95.2675	-422	PLP	2.4	0	8.5	-1	0.9	-1	0.403	1	3.755	1	9.318	1	1955	34	2.1
3547.0	10000	38.2874	95.2668	-422	PLP	2.4	0	8.7	-1	0.9	-1	0.386	1	3.667	1	9.493	1	1999	54	2.1
3547.1	10000	38.2874	95.2660	-423	PLP	2.6	1	8.6	-1	0.9	-1	0.421	2	3.853	2	9.158	1	2033	31	2.1
3547.2	10000	38.2874	95.2653	-424	PLP	2.8	1	8.6	-1	0.9	-1	0.445	2	4.142	2	9.313	1	2040	46	2.1
3547.3	10000	38.2874	95.2646	-424	PLP	2.8	1	8.7	-1	0.9	-1	0.440	2	4.244	2	9.640	1	2046	48	2.1
3547.4	10000	38.2874	95.2638	-424	PLP	2.9	2	9.0	-1	0.9	-1	0.435	2	4.189	2	9.628	1	2069	44	2.1
3547.5	10000	38.2874	95.2631	-422	PLP	2.9	2	8.9	-1	1.0	-1	0.444	2	4.076	2	9.174	1	2070	42	2.1
3547.6	10000	38.2874	95.2624	-421	PLP	2.7	1	9.4	0	1.0	-1	0.399	1	3.837	2	9.624	1	2083	37	2.1
3547.7	10000	38.2874	95.2616	-420	PLP	2.8	1	9.3	0	1.0	-1	0.407	1	3.824	2	9.404	1	2096	47	2.1
3547.8	10000	38.2874	95.2609	-419	PLP	3.5	1	10.1	1	1.0	-1	0.342	0	3.467	1	10.125	1	2114	44	2.1
3547.9	10000	38.2874	95.2602	-418	PLP	3.4	0	10.6	1	1.0	-1	0.318	0	3.312	1	10.417	1	2121	44	2.1
3548.0	10000	38.2873	95.2594	-418	PLP	3.2	0	11.0	1	1.0	-1	0.294	-1	3.182	1	10.833	2	2124	48	2.1
3548.1	10000	38.2873	95.2587	-417	PLP	3.2	0	10.8	1	1.0	-1	0.296	-1	3.163	1	10.686	2	2103	57	2.1
3548.2	10000	38.2873	95.2580	-416	PLP	3.2	0	10.5	1	1.0	-1	0.308	-1	3.301	1	10.720	2	2092	52	2.1
3548.3	10000	38.2873	95.2572	-416	PLP	3.2	0	10.2	1	1.0	-1	0.314	0	3.191	1	10.178	1	2068	52	2.1
3548.4	10000	38.2873	95.2565	-416	PLP	3.2	0	10.4	1	1.0	-1	0.312	0	3.323	1	10.649	2	2047	46	2.1
3548.5	10000	38.2873	95.2558	-416	CULTRL	3.3	999	10.0	1	1.0	-1	0.339	999	3.522	999	10.398	999	2020	52	2.1
3548.6	10000	38.2873	95.2550	-415	CULTRL	3.3	999	10.0	1	1.0	-1	0.330	999	3.416	999	10.365	999	1995	50	2.1
3548.7	10000	38.2873	95.2543	-414	CULTRL	3.3	999	10.0	1	1.0	-1	0.330	999	3.302	999	10.015	999	1975	51	2.1
3548.8	10000	38.2873	95.2536	-413	CULTRL	3.3	999	9.9	1	1.0	-1	0.332	999	3.482	999	10.482	999	1951	48	2.1
3548.9	10000	38.2873	95.2528	-411	CULTRL	3.1	999	10.1	1	1.0	-1	0.309	999	3.285	999	10.613	999	1922	42	2.1
3549.0	10000	38.2873	95.2521	-407	CULTRL	3.3	999	9.9	1	1.0	-1	0.331	999	3.705	999	11.206	999	1882	49	2.1
3549.1	10000	38.2873	95.2514	-405	CULTRL	3.2	999	9.3	1	1.0	-1	0.346	999	3.653	999	10.573	999	1842	55	2.1
3549.2	10000	38.2873	95.2506	-403	CULTRL	3.2	999	8.8	1	1.0	-1	0.365	999	3.715	999	10.188	999	1792	40	2.1
3549.3	10000	38.2873	95.2499	-402	CULTRL	3.1	999	8.0	1	1.0	-1	0.391	999	3.737	999	9.546	999	1766	58	2.1
3549.4	10000	38.2873	95.2492	-400	CULTRL	3.2	999	7.0	1	1.0	-1	0.456	999	4.096	999	8.983	999	1734	46	2.1
3549.5	10000	38.2873	95.2484	-397	CULTRL	3.4	999	6.6	1	1.0	-1	0.509	999	4.338	999	8.516	999	1720	35	2.1
3549.6	10000	38.2873	95.2477	-393	CULTRL	3.6	999	6.2	1	1.0	-1	0.571	999	4.514	999	7.898	999	1722	55	2.1
3549.7	10000	38.2873	95.2470	-392	CULTRL	3.8	999	5.8	1	1.0	-1	0.606	999	4.178	999	6.890	999	1728	49	2.1
3549.8	10000	38.2873	95.2462	-395	CULTRL	3.7	999	6.2	1	1.0	-1	0.603	999	4.423	999	7.339	999	1756	59	2.1
3549.9	10000	38.2873	95.2455	-398	CULTRL	3.5	999	6.5	1	1.0	-1	0.537	999	4.052	999	7.539	999	1791	44	2.1
3550.0	10000	38.2873	95.2448	-397	CULTRL	3.5	999	6.8	1	1.0	-1	0.524	999	3.901	999	7.440	999	1804	59	2.1
3550.1	10000	38.2873	95.2440	-395	CULTRL	3.5	999	7.3	1	1.0	-1	0.479	999	3.679	999	7.678	999	1818	48	2.1
3550.2	10000	38.2873	95.2433	-391	CULTRL	3.3	999	7.7	1	1.0	-1	0.434	999	3.418	999	7.868	999	1845	45	2.1
3550.3	10000	38.2873	95.2426	-389	CULTRL	3.5	999	7.8	1	1.0	-1	0.417	999	3.412	999	8.179	999	1852	46	2.1
3550.4	10000	38.2873	95.2419	-388	CULTRL	3.5	999	8.1	1	1.0	-1	0.424	999	3.739	999	8.823	999	1883	41	2.1
3550.5	10000	38.2873	95.2411	-386	CULTRL	3.5	999	9.5	1	1.0	-1	0.404	999	3.420	999	8.456	999	1888	38	2.1
3550.6	10000	38.2872	95.2404	-384	CULTRL	3.6	999	7.5	1	1.0	-1	0.455	999	3.679	999	8.116	999	1891	39	2.1
3550.7	10000	38.2872	95.2396	-381	CULTRL	3.5	999	7.5	1	1.0	-1	0.478	999	3.716	999	7.776	999	1911	42	2.1
3550.8	10000	38.2872	95.2389	-378	CULTRL	3.6	999	7.5	1	1.0	-1	0.482	999	3.748	999	7.781	999	1949	38	2.1
3550.9	10000	38.2872	95.2382	-374	CULTRL	3.6	999	7.7	1	1.0	-1	0.479	999	3.809	999	7.809	999	1962	45	2.1
3551.0	10000	38.2872	95.2374	-371	CULTRL	3.7	999	7.9	1	1.0	-1	0.488	999	3.834	999	7.585	999	1961	47	2.1
3551.1	10000	38.2872	95.2367	-368	CULTRL	3.8	999	7.9	1	1.0	-1	0.466	999	3.730	999	7.807	999	1947	47	2.1
3551.2	10000	38.2872	95.2360	-366	CULTRL	3.8	999	7.9	1	1.0	-1	0.478	999	3.807	999	7.964	999	1939	38	2.0

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3551.3	10000	38.2873	95.2352	-364	CULTRL	4.0	999	8.2	999	1.0	999	0.489	999	4.106	999	8.397	999	1942	34	2.0
3551.4	10000	38.2873	95.2345	-362	CULTRL	4.0	999	8.1	999	0.9	999	0.501	999	4.427	999	8.828	999	1930	44	2.0
3551.5	10000	38.2873	95.2337	-358	CULTRL	3.8	999	7.9	999	0.8	999	0.480	999	4.469	999	9.316	999	1910	40	2.0
3551.6	10000	38.2873	95.2330	-355	CULTRL	3.8	999	8.0	999	0.8	999	0.469	999	4.599	999	9.810	999	1910	40	2.0
3551.7	10000	38.2873	95.2323	-351	CULTRL	3.5	999	8.2	999	0.9	999	0.429	999	4.086	999	9.533	999	1921	47	2.0
3551.8	10000	38.2873	95.2315	-348	CULTRL	3.4	999	8.0	999	0.9	999	0.430	999	3.892	999	9.048	999	1938	40	1.9
3551.9	10000	38.2873	95.2308	-344	CULTRL	3.3	999	8.4	999	0.9	999	0.393	999	3.607	999	9.182	999	1962	48	1.9
3552.0	10000	38.2873	95.2301	-341	PLP	3.4	0	8.5	-1	1.0	-1	0.397	1	3.530	1	8.898	0	1985	38	1.9
3552.1	10000	38.2873	95.2293	-337	PLP	3.4	0	9.5	0	1.0	-1	0.361	0	3.476	1	9.638	1	2027	46	1.9
3552.2	10000	38.2873	95.2286	-333	PLP	3.6	1	9.6	0	1.0	-1	0.380	1	3.558	1	9.352	1	2065	36	1.9
3552.3	10000	38.2873	95.2278	-330	PLP	3.7	1	9.5	0	1.0	-1	0.391	1	3.745	1	9.576	1	2088	51	1.9
3552.4	10000	38.2873	95.2271	-325	PLP	3.9	1	9.5	0	1.0	-1	0.408	1	3.711	1	9.103	0	2125	47	1.9
3552.5	10000	38.2873	95.2264	-320	PLP	3.9	2	10.2	1	1.1	-1	0.387	1	3.729	1	9.639	1	2168	39	1.9
3552.6	10000	38.2873	95.2256	-316	PLP	4.3	2	10.3	1	1.1	0	0.421	2	3.982	2	9.463	1	2230	47	1.9
3552.7	10000	38.2874	95.2249	-311	PLP	4.3	2	10.7	1	1.2	0	0.406	1	3.768	1	9.271	1	2260	49	1.9
3552.8	10000	38.2874	95.2241	-306	PLP	4.1	2	10.8	1	1.2	0	0.383	1	3.482	1	9.098	0	2288	41	1.9
3552.9	10000	38.2874	95.2234	-301	PLP	4.0	2	10.8	1	1.2	0	0.372	1	3.321	1	8.917	0	2293	36	1.9
3553.0	10000	38.2874	95.2227	-295	PLP	4.3	2	11.0	1	1.3	1	0.394	1	3.429	1	8.700	0	2318	48	1.9
3553.1	10000	38.2874	95.2219	-290	PLP	4.5	3	11.4	2	1.2	0	0.393	1	3.718	1	9.454	1	2333	37	1.9
3553.2	10000	38.2874	95.2212	-284	PLP	4.7	3	11.0	1	1.2	0	0.426	2	4.063	2	9.550	1	2323	46	1.9
3553.3	10000	38.2874	95.2204	-278	PLP	4.6	3	11.0	1	1.1	0	0.417	1	4.122	2	9.897	1	2279	38	1.9
3553.4	10000	38.2874	95.2197	-272	PLP	4.5	3	11.2	2	1.1	0	0.402	1	4.200	2	10.455	2	2264	43	1.9
3553.5	10000	38.2874	95.2190	-267	PLP	4.4	2	10.4	1	1.0	-1	0.421	2	4.256	2	10.100	1	2222	48	1.9
3553.6	10000	38.2874	95.2182	-261	PLP	4.4	3	10.3	1	1.0	-1	0.426	2	4.256	2	9.988	1	2194	49	1.9
3553.7	10000	38.2874	95.2175	-255	PLP	4.3	2	10.1	1	1.0	-1	0.421	2	4.085	2	9.711	1	2155	43	1.9
3553.8	10000	38.2874	95.2168	-248	PLP	3.9	1	9.6	0	1.1	0	0.402	1	3.536	1	8.791	0	2136	58	1.9
3553.9	10000	38.2874	95.2160	-241	PLP	3.9	1	9.5	0	1.1	0	0.410	1	3.513	1	8.867	0	2125	45	1.9
3554.0	10000	38.2874	95.2153	-234	PLP	3.9	1	9.5	0	1.1	0	0.410	1	3.594	1	8.886	0	2122	51	1.9
3554.1	10000	38.2874	95.2145	-226	PLP	3.9	1	9.5	0	1.1	0	0.410	1	3.494	1	8.703	0	2112	42	1.9
3554.2	10000	38.2875	95.2138	-219	PLP	3.9	1	9.5	0	1.1	0	0.410	1	3.393	1	8.297	0	2105	45	1.9
3554.3	10000	38.2875	95.2131	-210	PLP	3.9	1	9.5	0	1.1	0	0.410	1	3.463	1	8.724	0	2113	44	1.9
3554.4	10000	38.2875	95.2123	-202	PLP	3.9	1	9.5	0	1.1	0	0.410	1	3.608	1	9.271	1	2125	42	1.9
3554.5	10000	38.2875	95.2116	-193	PLP	3.9	1	9.5	0	1.1	0	0.410	1	3.780	1	9.090	1	2107	50	1.9
3554.6	10000	38.2875	95.2108	-184	PLP	3.9	1	9.5	0	1.1	0	0.410	1	3.749	1	9.132	1	2083	43	1.9
3554.7	10000	38.2875	95.2101	-175	PLP	3.9	1	9.5	0	1.1	0	0.410	1	3.780	1	9.213	1	2065	36	1.9
3554.8	10000	38.2875	95.2094	-166	PLP	3.9	1	9.5	0	1.1	0	0.410	1	3.864	1	9.413	1	2065	55	1.9
3554.9	10000	38.2875	95.2086	-158	PLP	3.9	1	9.5	0	1.1	0	0.410	1	3.898	1	9.539	1	2077	41	1.9
3555.0	10000	38.2875	95.2079	-149	PLP	3.9	1	9.5	0	1.1	0	0.410	1	3.888	1	9.532	1	2076	49	1.9
3555.1	10000	38.2875	95.2071	-141	PLP	3.9	1	9.5	0	1.1	0	0.410	1	3.888	1	9.413	1	2080	32	1.9
3555.2	10000	38.2875	95.2064	-133	PLP	3.9	1	9.5	0	1.1	0	0.410	1	3.888	1	9.398	1	2096	56	1.9
3555.3	10000	38.2875	95.2057	-125	PKC	3.9	1	9.5	0	1.1	0	0.410	1	3.888	1	9.132	1	2088	46	1.9
3555.4	10000	38.2875	95.2049	-116	PKC	3.9	1	9.5	0	1.1	0	0.410	1	3.888	1	9.384	1	2083	40	1.9
3555.5	10000	38.2876	95.2042	-109	PKC	3.9	1	9.5	0	1.1	0	0.410	1	3.888	1	9.313	1	2065	37	1.9
3555.6	10000	38.2876	95.2034	-97	PKC	3.9	1	9.5	0	1.1	0	0.410	1	3.888	1	9.399	1	2077	37	1.9
3555.7	10000	38.2876	95.2027	-90	PKC	3.9	1	9.5	0	1.1	0	0.410	1	3.888	1	9.309	1	2076	47	1.9
3555.8	10000	38.2876	95.2020	-85	PKC	3.9	1	9.5	0	1.1	0	0.410	1	3.888	1	9.296	1	2080	45	1.9
3555.9	10000	38.2876	95.2012	-80	PKC	3.9	1	9.5	0	1.1	0	0.410	1	3.888	1	9.296	1	2096	36	1.9
3556.0	10000	38.2876	95.2005	-78	PKC	3.9	1	9.5	0	1.1	0	0.410	1	3.888	1	9.296	1	2088	49	1.9
3556.1	10000	38.2876	95.1998	-77	PKC	3.9	1	9.5	0	1.1	0	0.410	1	3.888	1	9.296	1	2076	47	1.9
3556.2	10000	38.2876	95.1990	-76	PKC	3.9	1	9.5	0	1.1	0	0.410	1	3.888	1	9.296	1	2080	45	1.9
3556.3	10000	38.2876	95.1983	-76	PKC	3.9	1	9.5	0	1.1	0	0.410	1	3.888	1	9.296	1	2096	36	1.9
3556.4	10000	38.2876	95.1975	-76	PKC	3.9	1	9.5	0	1.1	0	0.410	1	3.888	1	9.296	1	2088	49	1.9

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3556.5	10000	38.2876	95.1968	-78	PKC	4.0	1	9.5	0	1.0	-1	0.420	1	3.967	1	9.439	1	2058	54	1.9
3556.6	10000	38.2876	95.1961	-79	PKC	4.0	1	9.4	0	1.0	-1	0.426	1	3.980	1	9.350	1	2043	56	1.9
3556.7	10000	38.2876	95.1953	-82	PKC	4.1	1	9.3	0	1.0	-1	0.440	1	4.104	2	9.320	1	2033	48	1.9
3556.8	10000	38.2876	95.1946	-86	PKC	3.7	1	9.4	0	1.0	-1	0.392	1	3.746	1	9.556	1	2014	43	1.9
3556.9	10000	38.2876	95.1938	-89	PKC	3.7	1	9.3	0	1.0	-1	0.404	1	3.742	1	9.268	1	2018	39	1.9
3557.0	10000	38.2877	95.1931	-93	PKC	3.4	1	9.3	0	1.0	-1	0.368	1	3.551	1	9.652	1	2020	43	1.9
3557.1	10000	38.2877	95.1924	-98	PKC	3.5	1	9.7	0	1.0	-1	0.361	1	3.651	1	10.113	1	2023	40	1.9
3557.2	10000	38.2877	95.1916	-103	PKC	3.1	0	10.0	1	1.0	-1	0.311	-1	3.159	1	10.145	1	2028	42	1.9
3557.3	10000	38.2877	95.1909	-109	PKC	3.1	0	10.3	1	1.0	-1	0.302	-1	3.047	1	10.083	1	2036	49	1.9
3557.4	10000	38.2877	95.1902	-116	PKC	2.9	-1	10.5	1	1.0	-1	0.273	-1	2.856	0	10.449	2	2046	37	1.9
3557.5	10000	38.2877	95.1894	-123	QAL	3.1	0	10.4	1	1.0	-1	0.296	-1	2.976	1	10.039	2	2075	58	1.9
3557.6	10000	38.2877	95.1887	-130	QAL	3.4	1	10.5	1	1.1	-1	0.321	0	3.206	1	9.986	2	2082	51	1.9
3557.7	10000	38.2877	95.1879	-137	QAL	3.5	1	10.1	1	1.1	-1	0.351	0	3.201	1	9.131	1	2095	38	1.9
3557.8	10000	38.2877	95.1872	-144	QAL	3.4	1	10.3	1	1.1	-1	0.326	0	3.051	1	9.366	1	2104	39	1.9
3557.9	10000	38.2877	95.1865	-152	QAL	3.5	1	10.1	1	1.1	-1	0.345	0	3.181	1	9.209	1	2110	42	1.9
3558.0	10000	38.2877	95.1857	-160	QAL	3.4	1	10.6	1	1.1	0	0.318	0	2.973	1	9.345	1	2127	54	1.9
3558.1	10000	38.2877	95.1850	-167	QAL	3.6	1	10.8	1	1.2	0	0.332	0	3.054	1	9.186	1	2147	45	1.9
3558.2	10000	38.2877	95.1842	-174	QAL	3.6	1	10.9	1	1.2	0	0.332	0	3.145	1	9.465	1	2155	50	1.9
3558.3	10000	38.2877	95.1835	-181	QAL	3.5	1	10.9	1	1.2	0	0.323	0	3.032	1	9.372	1	2174	46	1.9
3558.4	10000	38.2877	95.1828	-188	QAL	3.5	1	11.2	1	1.2	0	0.313	0	2.849	1	9.105	1	2190	49	1.9
3558.5	10000	38.2878	95.1820	-194	QAL	3.6	1	10.6	1	1.3	0	0.344	0	2.850	0	8.288	1	2199	45	1.9
3558.6	10000	38.2878	95.1813	-199	QAL	3.2	1	10.2	1	1.3	0	0.316	0	2.476	0	7.828	1	2194	39	1.9
3558.7	10000	38.2878	95.1805	-204	QAL	3.4	1	10.0	1	1.3	0	0.339	0	2.610	0	7.704	1	2196	38	1.9
3558.8	10000	38.2878	95.1798	-210	QAL	3.1	0	9.8	1	1.3	0	0.319	0	2.442	0	7.654	1	2194	39	1.9
3558.9	10000	38.2878	95.1791	-217	QAL	3.0	0	9.5	1	1.3	0	0.320	0	2.343	0	7.332	1	2194	49	1.9
3559.0	10000	38.2878	95.1783	-222	QAL	2.8	0	9.7	1	1.2	-1	0.293	-1	2.206	-1	7.525	0	2179	53	1.9
3559.1	10000	38.2878	95.1776	-227	QAL	3.0	0	9.7	1	1.2	-1	0.292	-1	2.275	0	7.796	0	2175	51	1.9
3559.2	10000	38.2878	95.1768	-232	QAL	3.2	0	9.8	1	1.2	0	0.308	0	2.506	0	8.136	0	2172	58	1.9
3559.3	10000	38.2878	95.1761	-237	QAL	3.2	0	9.8	1	1.3	0	0.328	0	2.101	0	8.113	0	2195	43	1.9
3559.4	10000	38.2878	95.1754	-240	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.852	0	7.474	0	2211	58	1.9
3559.5	10000	38.2878	95.1746	-244	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.966	0	7.249	0	2213	54	1.9
3559.6	10000	38.2878	95.1739	-248	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.666	0	7.577	0	2209	38	1.9
3559.7	10000	38.2878	95.1732	-251	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.585	0	7.311	0	2217	49	1.9
3559.8	10000	38.2878	95.1724	-255	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.627	0	7.255	0	2216	54	1.9
3559.9	10000	38.2878	95.1717	-260	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.511	0	7.462	0	2216	38	1.9
3560.0	10000	38.2878	95.1709	-264	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.446	0	7.690	0	2219	49	1.9
3560.1	10000	38.2879	95.1702	-268	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.774	0	7.043	0	2206	42	1.9
3560.2	10000	38.2879	95.1695	-272	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.651	0	7.405	0	2184	43	1.9
3560.3	10000	38.2879	95.1687	-275	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.915	0	7.071	0	2145	55	1.9
3560.4	10000	38.2879	95.1680	-279	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.024	0	7.833	0	2105	39	1.9
3560.5	10000	38.2879	95.1672	-283	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.217	0	7.885	0	2063	49	1.9
3560.6	10000	38.2879	95.1665	-286	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.087	0	7.436	0	2022	56	1.9
3560.7	10000	38.2879	95.1658	-289	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.048	0	7.597	0	1966	44	1.9
3560.8	10000	38.2879	95.1650	-292	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.083	0	7.545	0	1913	38	1.9
3560.9	10000	38.2879	95.1643	-295	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.216	0	7.472	0	1895	54	1.9
3561.0	10000	38.2879	95.1635	-298	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.244	0	7.458	0	1912	38	1.9
3561.1	10000	38.2879	95.1628	-301	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.177	0	7.564	0	1944	49	1.9
3561.2	10000	38.2879	95.1621	-305	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.979	1	7.583	0	1978	45	1.9
3561.3	10000	38.2879	95.1613	-308	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.121	0	7.595	0	2009	53	1.9
3561.4	10000	38.2879	95.1606	-311	QAL	3.3	0	9.9	1	1.3	0	0.328	0	2.926	0	7.178	0	2039	51	1.9
3561.5	10000	38.2880	95.1599	-314	PKC	3.3	0	9.9	1	1.3	0	0.328	0	2.838	0	7.426	0	2078	58	1.9
3561.6	10000	38.2880	95.1591	-318	PKC	3.3	0	9.9	1	1.3	0	0.328	0	2.921	0	7.384	0	2099	54	1.9

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3561.7	10000	38.2880	95.1584	-321	PKC	3.5	0	9.0	0	1.2	0	0.386	0	2.930	0	7.593	-1	2094	48	2.1
3561.8	10000	38.2880	95.1576	-324	PKC	3.3	0	8.9	0	1.2	0	0.371	0	2.776	0	7.478	-1	2081	41	2.2
3561.9	10000	38.2880	95.1569	-327	PKC	3.1	0	8.5	-1	1.2	0	0.367	0	2.596	-1	7.068	-1	2068	42	2.2
3562.0	10000	38.2880	95.1562	-331	PKC	3.0	0	8.7	0	1.2	0	0.349	0	2.580	-1	7.397	-1	2066	51	2.2
3562.1	10000	38.2880	95.1554	-335	PKC	3.3	0	9.2	0	1.2	0	0.360	0	2.852	0	7.922	0	2063	50	2.2
3562.2	10000	38.2880	95.1547	-338	PKC	3.3	0	9.1	0	1.2	0	0.356	0	2.770	0	7.770	0	2066	54	2.2
3562.3	10000	38.2880	95.1539	-342	PKC	2.9	-1	9.1	0	1.2	1	0.317	-1	2.334	-1	7.364	-1	2079	60	2.2
3562.4	10000	38.2880	95.1532	-347	PKC	2.9	-1	9.4	0	1.3	1	0.314	-1	2.345	-1	7.473	-1	2128	51	2.2
3562.5	10000	38.2880	95.1525	-351	PKC	3.1	0	9.5	0	1.2	1	0.325	0	2.506	-1	7.715	0	2154	46	2.2
3562.6	10000	38.2880	95.1517	-355	PKC	3.2	0	10.1	1	1.2	1	0.319	-1	2.638	0	8.27[illegible]	0	2169	47	2.2
3562.7	10000	38.2880	95.1510	-360	PKC	3.2	0	9.9	0	1.2	0	0.330	0	2.722	0	8.256	0	2160	43	2.3
3562.8	10000	38.2880	95.1503	-364	PKC	3.3	0	9.6	0	1.2	1	0.342	0	2.684	0	7.848	0	2159	59	2.3
3562.9	10000	38.2880	95.1495	-368	PKC	3.1	0	9.4	0	1.2	0	0.333	0	2.603	-1	7.807	0	2145	40	2.3
3563.0	10000	38.2880	95.1488	-372	PKC	3.4	0	8.8	0	1.2	0	0.390	0	2.969	0	7.611	-1	2104	52	2.3
3563.1	10000	38.2880	95.1480	-376	PKC	3.3	0	8.0	-1	1.2	0	0.419	1	2.887	0	6.896	-1	2051	43	2.3
3563.2	10000	38.2881	95.1473	-381	PKC	3.5	0	8.4	-1	1.1	0	0.418	1	3.190	0	7.637	-1	2010	39	2.3
3563.3	10000	38.2881	95.1465	-384	PKC	3.3	0	8.3	-1	1.1	0	0.404	1	3.096	0	7.670	-1	1994	47	2.3
3563.4	10000	38.2881	95.1458	-389	PKC	3.2	0	8.1	-1	1.1	0	0.402	1	3.049	0	7.582	-1	2011	51	2.3
3563.5	10000	38.2881	95.1451	-392	PKC	3.0	-1	8.6	-1	1.0	-1	0.348	0	2.859	0	8.222	0	2012	48	2.3
3563.6	10000	38.2881	95.1443	-395	PKC	3.2	0	8.7	-1	1.1	0	0.372	0	3.050	0	8.191	0	2047	56	2.4
3563.7	10000	38.2881	95.1436	-397	PKC	3.1	0	9.4	0	1.1	0	0.331	0	2.864	0	8.657	0	2105	28	2.4
3563.8	10000	38.2881	95.1429	-400	PLP	3.1	0	10.2	1	1.1	0	0.305	-1	2.806	0	9.186	1	2141	43	2.4
3563.9	10000	38.2881	95.1421	-402	PLP	3.0	0	10.2	1	1.2	0	0.293	-1	2.561	0	8.747	0	2180	41	2.4
3564.0	10000	38.2881	95.1414	-405	PLP	3.1	0	10.2	1	1.2	0	0.300	-1	2.498	-1	8.315	0	2212	47	2.4
3564.1	10000	38.2881	95.1406	-407	PLP	2.9	-1	10.7	1	1.3	1	0.275	-1	2.290	-1	8.316	0	2219	39	2.4
3564.2	10000	38.2881	95.1399	-409	PLP	3.0	0	10.7	1	1.3	1	0.278	-1	2.281	-1	8.212	0	2238	44	2.4
3564.3	10000	38.2881	95.1392	-410	PLP	3.1	0	10.6	1	1.2	1	0.287	-1	2.443	-1	8.498	0	2199	44	2.4
3564.4	10000	38.2881	95.1384	-411	PLP	3.3	0	10.3	1	1.2	0	0.319	0	2.744	0	8.591	0	2151	41	2.4
3564.5	10000	38.2881	95.1377	-413	PLP	3.2	0	9.7	0	1.1	0	0.330	0	2.885	0	8.743	0	2121	60	2.4
3564.6	10000	38.2882	95.1369	-414	PLP	3.4	0	9.5	0	1.2	0	0.352	0	2.885	0	8.789	0	2090	48	2.4
3564.7	10000	38.2882	95.1362	-414	PLP	3.5	0	9.3	0	1.2	0	0.370	0	2.885	0	8.567	0	2048	37	2.4
3564.8	10000	38.2882	95.1355	-415	PLP	3.5	0	9.1	0	1.2	0	0.392	0	2.885	0	8.816	0	2002	45	2.4
3564.9	10000	38.2882	95.1347	-416	PLP	3.5	0	8.9	0	1.2	0	0.432	0	2.885	0	9.125	0	1950	39	2.4
3565.0	10000	38.2882	95.1340	-417	PLP	3.5	0	8.8	0	1.2	0	0.445	0	2.885	0	9.165	0	1936	42	2.4
3565.1	10000	38.2882	95.1333	-418	PLP	3.5	0	8.6	0	1.2	0	0.435	0	2.885	0	9.997	1	1932	45	2.4
3565.2	10000	38.2882	95.1325	-420	PLP	3.5	0	8.5	0	1.2	0	0.408	0	2.885	0	9.716	1	1939	39	2.4
3565.3	10000	38.2882	95.1318	-420	PLP	3.5	0	8.4	0	1.2	0	0.401	0	2.885	0	9.681	1	1955	46	2.4
3565.4	10000	38.2882	95.1310	-422	PLP	3.5	0	8.3	0	1.2	0	0.368	0	2.885	0	9.030	1	1994	45	2.5
3565.5	10000	38.2882	95.1303	-423	PLP	3.5	0	8.2	0	1.2	0	0.342	0	2.885	0	8.899	1	2018	45	2.5
3565.6	10000	38.2882	95.1296	-425	PLP	3.5	0	8.1	0	1.2	0	0.336	0	2.885	0	9.131	1	2058	54	2.5
3565.7	10000	38.2882	95.1288	-427	PLP	3.5	0	8.0	0	1.2	0	0.354	0	2.885	0	9.222	1	2089	42	2.5
3565.8	10000	38.2882	95.1281	-429	PLP	3.5	0	7.9	0	1.2	0	0.326	0	2.885	0	9.636	1	2111	42	2.5
3565.9	10000	38.2882	95.1273	-431	PLP	3.5	0	7.8	0	1.2	0	0.288	0	2.885	0	9.627	1	2138	48	2.5
3566.0	10000	38.2882	95.1266	-434	PLP	3.5	0	7.7	0	1.2	0	0.255	0	2.885	0	9.673	1	2156	46	2.5
3566.1	10000	38.2882	95.1258	-436	PLP	3.5	0	7.6	0	1.2	0	0.233	0	2.885	0	9.234	1	2163	50	2.5
3566.2	10000	38.2882	95.1250	-439	PLP	3.5	0	7.5	0	1.2	0	0.223	0	2.885	0	9.553	1	2189	53	2.5
3566.3	10000	38.2882	95.1243	-442	PLP	3.5	0	7.4	0	1.2	0	0.226	0	2.885	0	9.751	1	2184	36	2.5
3566.4	10000	38.2882	95.1235	-444	PLP	3.5	0	7.3	0	1.2	0	0.213	0	2.885	0	9.122	1	2172	49	2.5
3566.5	10000	38.2882	95.1227	-448	PLP	3.5	0	7.2	0	1.2	0	0.226	0	2.885	0	9.088	1	2159	39	2.5
3566.6	10000	38.2882	95.1220	-450	PLP	3.5	0	7.1	0	1.2	0	0.213	0	2.885	0	9.330	1	2118	44	2.5
3566.7	10000	38.2882	95.1212	-453	PLP	3.5	0	7.0	0	1.2	0	0.226	0	2.885	0	9.330	1	2082	41	2.5
3566.8	10000	38.2882	95.1205	-456	PLP	3.5	0	6.9	0	1.2	0	0.213	0	2.885	0	9.330	1	2022	38	2.5

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3566.9	10000	38.2882	95.1197	-458	PLP	2.9	-1	8.5	-1	0.9	-1	0.345	0	3.176	1	9.216	1	1976	50	2.5
3567.0	10000	38.2882	95.1189	-461	PLP	2.7	-1	8.5	-1	0.9	-1	0.324	0	2.952	0	9.114	0	1948	56	2.5
3567.1	10000	38.2882	95.1181	-464	PLP	2.6	-1	8.7	-1	0.9	-1	0.297	-1	2.796	0	9.412	1	1938	35	2.5
3567.2	10000	38.2882	95.1174	-467	PLP	2.5	-2	8.8	-1	0.9	-1	0.278	-1	2.623	0	9.423	1	1933	49	2.5
3567.3	10000	38.2882	95.1166	-470	PLP	2.5	-2	8.7	-1	0.9	-1	0.284	-1	2.620	0	9.228	1	1949	35	2.5
3567.4	10000	38.2882	95.1159	-473	PLP	2.3	-2	8.4	-1	1.0	-1	0.268	-1	2.375	-1	8.868	0	1966	53	2.5
3567.5	10000	38.2882	95.1151	-476	PLP	2.3	-2	9.5	0	1.0	-1	0.238	-2	2.230	-1	9.364	1	2022	54	2.5
3567.6	10000	38.2882	95.1143	-478	PLP	2.2	-2	9.6	0	1.1	0	0.227	-2	2.028	-1	8.921	0	2073	69	2.5
3567.7	10000	38.2882	95.1136	-481	PKC	2.4	-2	10.2	1	1.1	0	0.232	-2	2.172	-1	9.350	1	2125	38	2.5
3567.8	10000	38.2882	95.1128	-485	PKC	2.5	-1	10.5	1	1.1	0	0.239	-2	2.266	-1	9.473	1	2165	48	2.5
3567.9	10000	38.2882	95.1120	-488	PKC	2.7	-1	10.8	1	1.1	0	0.253	-1	2.490	-1	9.853	1	2188	52	2.5
3568.0	10000	38.2882	95.1113	-491	PKC	2.8	-1	11.5	2	1.1	0	0.240	-2	2.472	-1	10.290	2	2204	43	2.5
3568.1	10000	38.2882	95.1105	-495	PKC	2.9	-1	11.4	2	1.1	0	0.257	-1	2.641	0	10.297	2	2191	49	2.5
3568.2	10000	38.2882	95.1097	-498	PKC	2.9	-1	11.1	1	1.1	0	0.256	-1	2.601	-1	10.149	1	2183	30	2.5
3568.3	10000	38.2882	95.1090	-501	PKC	2.9	-1	11.4	2	1.2	0	0.256	-1	2.517	-1	9.816	1	2162	50	2.5
3568.4	10000	38.2882	95.1082	-506	PKC	2.8	-1	11.2	1	1.1	0	0.254	-1	2.541	-1	10.006	1	2132	57	2.5
3568.5	10000	38.2882	95.1074	-509	PKC	2.8	-1	10.9	1	1.1	0	0.256	-1	2.664	0	10.394	2	2113	51	2.4
3568.6	10000	38.2882	95.1067	-513	PKC	2.9	-1	10.9	1	1.1	0	0.266	-1	2.697	0	10.134	1	2097	36	2.4
3568.7	10000	38.2882	95.1059	-516	PKC	2.8	-1	10.3	1	1.0	-1	0.268	-1	2.777	0	10.369	2	2068	56	2.4
3568.8	10000	38.2882	95.1051	-520	PKC	2.8	-1	10.3	1	1.1	0	0.275	-1	2.669	0	9.690	1	2064	40	2.4
3568.9	10000	38.2882	95.1044	-523	PKC	2.7	-1	9.9	0	1.1	0	0.276	-1	2.581	-1	9.351	1	2044	45	2.4
3569.0	10000	38.2882	95.1036	-527	PKC	2.8	-1	10.0	1	1.0	-1	0.276	-1	2.647	0	9.600	1	2041	42	2.4
3569.1	10000	38.2882	95.1028	-530	PKC	2.6	-1	9.8	0	1.1	0	0.265	-1	2.422	-1	9.137	1	2045	37	2.4
3569.2	10000	38.2882	95.1021	-534	PKC	2.6	-1	10.0	1	1.2	0	0.264	-1	2.270	-1	8.590	0	2067	40	2.4
3569.3	10000	38.2882	95.1013	-537	PKC	2.5	-1	9.9	0	1.2	0	0.254	-1	2.075	-1	8.163	0	2108	48	2.4
3569.4	10000	38.2882	95.1006	-541	PKC	2.7	-1	10.1	1	1.3	1	0.262	-1	1.995	-1	7.602	-1	2176	49	2.4
3569.5	10000	38.2882	95.0998	-545	PKC	2.7	-1	10.3	1	1.3	1	0.255	-1	2.026	-1	7.949	0	2231	42	2.4
3569.6	10000	38.2882	95.0990	-549	PKC	2.7	-1	10.1	1	1.3	1	0.268	-1	2.238	-1	8.337	0	2295	49	2.4
3569.7	10000	38.2882	95.0983	-555	PKC	2.7	-1	10.1	1	1.3	1	0.282	-1	2.402	-1	8.504	0	2347	37	2.4
3569.8	10000	38.2882	95.0975	-560	PKC	2.7	-1	10.1	1	1.3	1	0.277	-1	2.373	-1	8.568	0	2379	53	2.4
3569.9	10000	38.2882	95.0967	-565	PKC	2.7	-1	10.1	1	1.3	1	0.305	-1	2.657	-1	8.700	0	2387	38	2.4
3570.0	10000	38.2882	95.0960	-570	PKC	2.7	-1	10.1	1	1.3	1	0.307	-1	2.767	-1	9.017	0	2378	55	2.4
3570.1	10000	38.2882	95.0952	-574	PKC	2.7	-1	10.1	1	1.3	1	0.322	-1	2.871	-1	9.907	0	2343	51	2.4
3570.2	10000	38.2882	95.0944	-578	PKC	2.7	-1	10.1	1	1.3	1	0.328	-1	2.973	-1	9.064	0	2312	50	2.4
3570.3	10000	38.2882	95.0937	-582	PKC	2.7	-1	10.1	1	1.3	1	0.337	-1	3.113	-1	9.940	0	2269	43	2.4
3570.4	10000	38.2882	95.0929	-585	PKC	2.7	-1	10.1	1	1.3	1	0.334	-1	3.180	-1	9.552	0	2226	41	2.4
3570.5	10000	38.2882	95.0921	-589	PKC	2.7	-1	10.1	1	1.3	1	0.336	-1	3.191	-1	9.407	0	2194	44	2.4
3570.6	10000	38.2882	95.0914	-592	PKC	2.7	-1	10.1	1	1.3	1	0.336	-1	3.005	-1	9.219	0	2165	52	2.4
3570.7	10000	38.2882	95.0906	-595	PKC	2.7	-1	10.1	1	1.3	1	0.336	-1	3.036	-1	9.415	0	2137	70	2.4
3570.8	10000	38.2882	95.0898	-597	PKC	2.7	-1	10.1	1	1.3	1	0.330	-1	3.096	-1	9.393	0	2106	41	2.4
3570.9	10000	38.2882	95.0891	-600	PKC	2.7	-1	10.1	1	1.3	1	0.327	-1	3.097	-1	9.161	0	2101	51	2.4
3571.0	10000	38.2882	95.0883	-602	PKC	2.7	-1	10.1	1	1.3	1	0.309	-1	3.041	-1	9.119	0	2094	47	2.4
3571.1	10000	38.2882	95.0875	-605	PKC	2.7	-1	10.1	1	1.3	1	0.313	-1	3.016	-1	8.859	0	2084	42	2.4
3571.2	10000	38.2882	95.0868	-607	PKC	2.7	-1	10.1	1	1.3	1	0.340	-1	3.017	-1	8.782	0	2100	50	2.4
3571.3	10000	38.2882	95.0860	-608	PKC	2.7	-1	10.1	1	1.3	1	0.355	-1	2.745	-1	8.245	0	2124	43	2.4
3571.4	10000	38.2882	95.0853	-610	PKC	2.7	-1	10.1	1	1.3	1	0.338	-1	3.141	-1	8.947	0	2152	41	2.4
3571.5	10000	38.2882	95.0845	-611	PKC	2.7	-1	10.1	1	1.3	1	0.338	-1	3.179	-1	9.400	0	2195	57	2.4
3571.6	10000	38.2882	95.0837	-612	PKC	2.7	-1	10.1	1	1.3	1	0.338	-1	3.251	-1	9.644	0	2206	41	2.4
3571.7	10000	38.2882	95.0829	-613	PKC	2.7	-1	10.1	1	1.3	1	0.338	-1	3.392	-1	9.543	0	2215	40	2.4
3571.8	10000	38.2882	95.0822	-615	PKC	2.7	-1	10.1	1	1.3	1	0.338	-1	3.462	-1	9.882	0	2241	50	2.4
3571.9	10000	38.2882	95.0814	-616	PKC	2.7	-1	10.1	1	1.3	1	0.338	-1	3.480	-1	9.889	0	2220	41	2.4
3572.0	10000	38.2882	95.0807	-617	PKC	2.7	-1	10.3	1	1.3	1	0.338	-1	3.231	-1	9.080	0	2211	55	2.3

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3572.1	10000	38.2882	95.0799	-618	PKC	3.7	1	10.7	1	1.1	0	0.348	0	3.247	0	9.337	1	2199	54	2.3
3572.2	10000	38.2882	95.0791	-618	PKC	3.7	1	10.4	1	1.1	0	0.352	0	3.295	0	9.358	1	2188	58	2.3
3572.3	10000	38.2882	95.0784	-618	PKC	3.8	1	10.4	1	1.1	0	0.364	0	3.312	0	9.110	1	2189	47	2.3
3572.4	10000	38.2882	95.0776	-619	PKC	3.6	1	10.2	1	1.2	0	0.357	0	3.151	0	8.838	0	2208	56	2.3
3572.5	10000	38.2882	95.0768	-619	PKC	3.8	1	10.5	1	1.1	0	0.358	0	3.300	0	9.226	1	2216	38	2.3
3572.6	10000	38.2882	95.0761	-619	PKC	4.0	1	10.5	1	1.1	0	0.378	0	3.608	1	9.557	1	2233	49	2.3
3572.7	10000	38.2882	95.0753	-619	PKC	3.8	1	10.6	1	1.1	0	0.356	0	3.424	1	9.623	1	2240	41	2.3
3572.8	10000	38.2882	95.0745	-620	PKC	3.7	1	9.8	0	1.1	0	0.375	0	3.466	1	9.245	1	2239	39	2.3
3572.9	10000	38.2882	95.0738	-621	PKC	3.6	0	9.8	0	1.1	0	0.364	0	3.355	1	9.224	1	2228	47	2.3
3573.0	10000	38.2882	95.0730	-622	PKC	3.3	0	10.0	1	1.1	0	0.334	0	3.154	0	9.442	1	2211	48	2.3
3573.1	10000	38.2882	95.0722	-622	PKC	3.5	0	10.3	1	1.0	-1	0.341	0	3.403	1	9.970	1	2184	44	2.3
3573.2	10000	38.2882	95.0715	-622	PKC	3.2	0	9.9	0	1.1	0	0.323	0	3.018	0	9.347	1	2143	42	2.3
3573.3	10000	38.2882	95.0707	-623	PKC	3.1	0	9.7	0	1.1	0	0.316	-1	2.845	0	9.012	1	2116	52	2.3
3573.4	10000	38.2882	95.0699	-623	PKC	2.9	-1	9.5	0	1.0	-1	0.305	-1	2.781	0	9.112	1	2050	46	2.3
3573.5	10000	38.2882	95.0692	-623	PKC	3.0	-1	9.7	0	1.0	-1	0.308	-1	2.921	0	9.490	1	2018	50	2.2
3573.6	10000	38.2882	95.0684	-624	PKC	2.8	-1	9.9	0	1.1	0	0.287	-1	2.690	0	9.376	1	1994	43	2.2
3573.7	10000	38.2882	95.0676	-624	PKC	2.9	-1	9.6	0	1.0	-1	0.300	-1	2.765	0	9.210	1	1974	42	2.2
3573.8	10000	38.2882	95.0669	-624	PKC	2.5	-1	9.7	0	1.1	0	0.260	-1	2.306	-1	8.886	0	1969	49	2.3
3573.9	10000	38.2882	95.0661	-623	PKC	2.6	-1	9.7	0	1.1	0	0.269	-1	2.391	-1	8.876	0	1967	58	2.3
3574.0	10000	38.2882	95.0653	-618	PKC	2.8	-1	9.4	0	1.1	0	0.292	-1	2.453	-1	8.405	0	1994	44	2.3
3574.1	10000	38.2882	95.0646	-616	PKC	3.2	0	9.4	0	1.1	0	0.340	0	2.789	0	8.190	0	2041	44	2.3
3574.2	10000	38.2882	95.0638	-624	PKC	3.5	0	9.7	0	1.2	0	0.357	0	2.927	0	8.194	0	2083	40	2.3
3574.3	10000	38.2882	95.0630	-628	PKC	3.4	0	9.8	0	1.2	0	0.349	0	2.896	0	8.295	0	2128	54	2.3
3574.4	10000	38.2882	95.0623	-629	PKC	3.5	0	10.3	1	1.2	0	0.343	0	2.986	0	8.711	0	2182	57	2.3
3574.5	10000	38.2882	95.0615	-630	PKC	4.0	1	9.7	0	1.2	0	0.412	1	3.308	0	8.035	0	2231	56	2.3
3574.6	10000	38.2882	95.0607	-631	PKC	4.2	1	10.1	1	1.2	0	0.417	1	3.399	0	8.156	0	2283	43	2.3
3574.7	10000	38.2882	95.0600	-631	PKC	4.0	1	10.5	1	1.2	0	0.386	1	3.286	0	8.519	0	2310	44	2.3
3574.8	10000	38.2882	95.0592	-632	PKC	3.9	1	11.1	1	1.2	0	0.357	0	3.156	0	8.837	0	2327	38	2.3
3574.9	10000	38.2881	95.0585	-633	PKC	3.7	1	10.5	1	1.1	0	0.334	0	2.869	0	8.584	0	2333	42	2.3
3575.0	10000	38.2882	95.0577	-633	PKC	3.9	1	11.1	1	1.2	0	0.359	0	2.999	0	8.345	0	2343	39	2.3
3575.1	10000	38.2881	95.0569	-634	PKC	3.9	1	10.5	1	1.2	0	0.370	0	3.057	0	8.266	0	2335	35	2.3
3575.2	10000	38.2881	95.0562	-635	PKC	3.7	1	10.1	1	1.2	0	0.340	0	3.034	0	8.911	0	2313	49	2.3
3575.3	10000	38.2881	95.0554	-636	PKC	3.7	1	9.6	0	1.2	0	0.340	0	3.112	0	9.162	1	2326	59	2.3
3575.4	10000	38.2881	95.0546	-637	PKC	4.1	1	9.9	0	1.2	0	0.376	0	3.502	1	9.319	1	2332	56	2.3
3575.5	10000	38.2881	95.0539	-638	PKC	4.2	1	10.0	1	1.2	0	0.380	0	3.658	1	9.622	1	2337	58	2.3
3575.6	10000	38.2881	95.0531	-639	PKC	4.1	1	10.1	1	1.1	0	0.372	0	3.855	1	9.351	1	2347	51	2.3
3575.7	10000	38.2881	95.0523	-639	PKC	4.1	1	10.3	1	1.1	0	0.372	0	3.893	1	9.464	1	2331	44	2.3
3575.8	10000	38.2881	95.0516	-64:	PKC	4.3	2	10.9	1	1.1	0	0.400	0	4.068	1	9.164	1	2318	41	2.3
3575.9	10000	38.2881	95.0508	-641	PKC	4.3	2	10.9	1	1.1	0	0.394	0	4.132	1	9.482	1	2317	43	2.3
3576.0	10000	38.2881	95.0500	-641	PKC	4.3	2	10.6	1	1.1	0	0.396	0	4.086	1	9.323	1	2290	43	2.3
3576.1	10000	38.2881	95.0493	-642	PKC	4.3	2	10.4	1	1.1	0	0.394	0	4.084	1	9.750	1	2279	41	2.3
3576.2	10000	38.2881	95.0485	-643	PKC	4.3	2	10.2	1	1.1	0	0.389	0	4.057	1	9.203	1	2288	43	2.3
3576.3	10000	38.2881	95.0477	-644	PKC	4.3	2	10.1	1	1.1	0	0.385	0	4.045	1	9.977	1	2267	41	2.3
3576.4	10000	38.2881	95.0470	-644	PKC	4.3	2	10.0	1	1.1	0	0.404	0	4.458	1	9.655	1	2255	51	2.3
3576.5	10000	38.2881	95.0462	-645	PKC	4.3	2	10.3	1	1.1	0	0.395	0	4.289	1	9.158	1	2245	42	2.3
3576.6	10000	38.2881	95.0454	-645	PKC	4.3	2	10.4	1	1.1	0	0.395	0	4.300	1	9.515	1	2221	51	2.3
3576.7	10000	38.2881	95.0447	-645	PKC	4.3	2	10.4	1	1.1	0	0.384	0	4.227	1	9.803	1	2178	37	2.3
3576.8	10000	38.2881	95.0439	-644	PKC	4.3	2	10.4	1	1.1	0	0.371	0	4.009	1	9.435	1	2138	56	2.3
3576.9	10000	38.2881	95.0432	-644	PKC	4.3	2	10.4	1	1.1	0	0.368	0	3.952	1	9.190	1	2090	42	2.3
3577.0	10000	38.2881	95.0424	-644	PKC	4.3	2	10.4	1	1.1	0	0.356	0	3.709	1	8.801	1	2055	25	2.3
3577.1	10000	38.2881	95.0416	-644	PKC	4.3	2	10.4	1	1.1	0	0.386	0	4.030	1	9.118	1	2020	43	2.3
3577.2	10000	38.2881	95.0408	-644	PKC	3.5	1	9.2	0	1.1	0	0.375	0	3.513	1	8.690	1	2013	53	2.4

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3577.3	10000	38.2881	95.0401	-645	PKC	3.6	1	9.1	0	0.8	-2	0.396	0	4.559	2	11.503	2	1996	46	2.4
3577.4	10000	38.2881	95.0393	-645	PKC	3.7	1	8.8	0	0.8	-2	0.420	1	4.696	2	11.183	2	2014	36	2.4
3577.5	10000	38.2881	95.0386	-645	PKC	4.0	1	8.6	-1	0.8	-2	0.467	1	5.103	3	10.934	2	2017	54	2.4
3577.6	10000	38.2881	95.0378	-646	PKC	3.5	0	8.5	-1	0.8	-2	0.416	1	4.599	2	11.064	2	2014	42	2.4
3577.7	10000	38.2881	95.0370	-646	PKC	3.7	1	8.6	-1	0.8	-2	0.423	1	4.590	2	10.849	2	2028	51	2.4
3577.8	10000	38.2881	95.0363	-647	PKC	3.6	1	8.7	0	0.8	-2	0.416	1	4.415	2	10.611	2	2023	48	2.4
3577.9	10000	38.2881	95.0355	-648	PKC	3.5	0	9.0	0	0.9	-1	0.385	1	3.950	1	10.265	2	2015	56	2.4
3578.0	10000	38.2881	95.0347	-648	PKC	3.5	0	8.9	0	0.9	-1	0.391	1	3.958	1	10.110	1	2022	53	2.4
3578.1	10000	38.2881	95.0340	-649	PKC	3.3	0	8.8	0	0.9	-1	0.373	1	3.473	1	9.312	1	2016	31	2.4
3578.2	10000	38.2881	95.0332	-649	PKC	3.0	-1	9.2	0	1.0	-1	0.326	1	3.059	1	9.383	1	2026	42	2.4
3578.3	10000	38.2881	95.0324	-650	PKC	3.2	0	9.4	0	1.1	0	0.341	1	3.058	1	8.970	0	2054	43	2.4
3578.4	10000	38.2881	95.0317	-651	PKC	3.3	0	9.5	0	1.1	0	0.344	1	2.925	0	8.497	0	2088	52	2.4
3578.5	10000	38.2881	95.0309	-651	PKC	3.5	0	9.6	0	1.1	0	0.368	1	3.124	0	8.489	0	2138	38	2.4
3578.6	10000	38.2881	95.0301	-651	PKC	3.3	0	9.8	0	1.2	0	0.336	1	2.853	0	8.495	0	2171	36	2.4
3578.7	10000	38.2881	95.0294	-652	PKC	3.3	0	10.0	1	1.2	0	0.334	1	2.872	0	8.606	0	2199	45	2.4
3578.8	10000	38.2881	95.0286	-653	PKC	3.2	0	10.1	1	1.2	0	0.320	-1	2.736	0	8.558	0	2212	48	2.4
3578.9	10000	38.2881	95.0278	-654	PKC	3.1	0	10.0	1	1.2	0	0.311	-1	2.535	-1	8.150	0	2221	47	2.4
3579.0	10000	38.2881	95.0271	-654	PKC	3.4	0	9.8	0	1.2	0	0.345	0	2.812	0	8.146	0	2208	55	2.4
3579.1	10000	38.2881	95.0263	-655	PKC	3.2	0	9.6	0	1.2	0	0.334	0	2.710	0	8.119	0	2183	53	2.4
3579.2	10000	38.2881	95.0255	-655	PKC	3.1	0	9.9	0	1.2	0	0.313	-1	2.572	-1	8.226	0	2165	51	2.4
3579.3	10000	38.2881	95.0248	-656	PKC	3.2	0	9.7	0	1.2	0	0.326	0	2.646	0	8.111	0	2150	53	2.4
3579.4	10000	38.2881	95.0240	-656	PKC	3.0	-1	9.2	0	1.2	0	0.324	0	2.543	-1	7.839	0	2121	67	2.4
3579.5	10000	38.2881	95.0233	-656	PKC	3.4	0	9.3	0	1.1	0	0.368	0	3.204	0	8.714	0	2081	46	2.4
3579.6	10000	38.2881	95.0225	-657	PKC	3.6	1	8.9	0	1.0	-1	0.403	1	3.605	1	8.955	0	2035	47	2.4
3579.7	10000	38.2881	95.0217	-657	PKC	3.4	0	8.7	-1	1.0	-1	0.389	1	3.488	1	8.976	0	2004	43	2.4
3579.8	10000	38.2881	95.0210	-656	PKC	3.2	0	8.7	0	0.9	-1	0.371	1	3.587	1	9.673	1	1965	47	2.4
3579.9	10000	38.2881	95.0202	-655	PKC	3.2	0	8.7	0	0.9	-1	0.384	1	3.708	1	9.648	1	1924	49	2.4
3580.0	10000	38.2881	95.0194	-654	PKC	3.1	0	8.8	0	0.9	-1	0.367	1	3.976	1	10.836	2	1873	59	2.4
3580.1	10000	38.2881	95.0187	-652	PKC	3.1	0	8.8	0	0.9	-1	0.329	1	3.678	1	11.798	2	1853	47	2.4
3580.2	10000	38.2881	95.0179	-651	PKC	3.0	-1	8.8	0	0.9	-1	0.316	1	3.534	1	11.192	2	1870	47	2.4
3580.3	10000	38.2881	95.0171	-650	PKC	3.0	-1	8.8	0	0.9	-1	0.338	1	3.973	1	11.765	2	1900	46	2.4
3580.4	10000	38.2881	95.0164	-648	PKC	3.0	-1	8.8	0	0.9	-1	0.347	1	3.967	1	11.425	2	1948	47	2.4
3580.5	10000	38.2881	95.0156	-648	PKC	3.0	-1	8.8	0	0.9	-1	0.358	1	3.803	1	11.635	2	1976	44	2.4
3580.6	10000	38.2881	95.0148	-647	PKC	3.0	-1	8.8	0	0.9	-1	0.347	1	3.755	1	10.816	2	2002	42	2.4
3580.7	10000	38.2881	95.0141	-646	PKC	3.0	-1	8.8	0	0.9	-1	0.381	1	3.667	1	9.622	2	2038	44	2.4
3580.8	10000	38.2881	95.0133	-645	PKC	3.0	-1	8.8	0	0.9	-1	0.425	1	3.799	1	8.939	1	2065	37	2.4
3580.9	10000	38.2881	95.0125	-644	PKC	3.0	-1	8.8	0	0.9	-1	0.401	1	3.641	1	8.077	1	2079	42	2.4
3581.0	10000	38.2881	95.0118	-644	PKC	3.0	-1	8.8	0	0.9	-1	0.392	1	3.530	1	8.996	1	2065	56	2.4
3581.1	10000	38.2881	95.0110	-644	PKC	3.0	-1	8.8	0	0.9	-1	0.382	1	3.653	1	8.553	1	2055	42	2.4
3581.2	10000	38.2881	95.0102	-643	PKC	3.0	-1	8.8	0	0.9	-1	0.438	1	4.094	2	9.352	2	2062	44	2.4
3581.3	10000	38.2881	95.0095	-641	PKC	3.0	-1	8.8	0	0.9	-1	0.437	1	4.195	2	9.611	2	2049	57	2.4
3581.4	10000	38.2881	95.0087	-638	PKC	3.0	-1	8.8	0	0.9	-1	0.428	1	4.532	2	10.591	2	2046	41	2.4
3581.5	10000	38.2881	95.0079	-638	PKC	3.0	-1	8.8	0	0.9	-1	0.415	1	4.268	2	10.285	2	2039	46	2.4
3581.6	10000	38.2881	95.0072	-638	PKC	3.0	-1	8.8	0	0.9	-1	0.406	1	4.304	2	10.605	2	2037	39	2.4
3581.7	10000	38.2881	95.0065	-636	PKC	3.0	-1	8.8	0	0.9	-1	0.360	1	4.044	2	10.239	2	2050	38	2.4
3581.8	10000	38.2881	95.0057	-635	PKC	3.0	-1	8.8	0	0.9	-1	0.362	1	3.896	1	10.765	2	2036	44	2.4
3581.9	10000	38.2881	95.0050	-633	PKC	3.0	-1	8.8	0	0.9	-1	0.339	1	3.646	1	10.758	2	2033	50	2.4
3582.0	10000	38.2881	95.0042	-633	PKC	3.0	-1	8.8	0	0.9	-1	0.344	1	3.758	1	10.885	2	2049	46	2.4
3582.1	10000	38.2881	95.0035	-633	PKC	3.0	-1	8.8	0	0.9	-1	0.339	1	3.796	1	11.330	2	2075	60	2.4
3582.2	10000	38.2881	95.0027	-631	PKC	3.0	-1	8.8	0	0.9	-1	0.366	1	3.888	1	10.632	2	2081	33	2.4
3582.3	10000	38.2881	95.0020	-629	PKC	3.0	-1	8.8	0	0.9	-1	0.339	1	3.790	1	10.162	2	2070	32	2.4
3582.4	10000	38.2881	95.0012	-627	PKC	3.0	-1	8.8	0	0.9	-1	0.390	1	3.705	1	9.705	1	2075	37	2.4

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3582.5	10000	38.2881	95.0005	-626	PKC	3.6	1	9.4	0	0.9	-1	0.384	0	3.873	1	10.092	1	2071	48	2.3
3582.6	10000	38.2881	94.9997	-625	PKC	3.7	1	9.7	0	0.9	-1	0.377	0	3.954	1	10.474	2	2082	45	2.3
3582.7	10000	38.2881	94.9990	-625	PKC	3.6	0	9.1	0	0.9	-1	0.390	0	3.768	1	9.669	1	2071	55	2.3
3582.8	10000	38.2882	94.9982	-625	PKC	3.6	0	9.4	0	0.9	-1	0.377	0	3.848	1	10.206	1	2049	40	2.3
3582.9	10000	38.2882	94.9975	-627	PKC	3.2	0	10.0	0	0.9	-1	0.320	-1	3.470	1	10.851	2	2054	38	2.3
3583.0	10000	38.2882	94.9967	-629	PKC	3.3	0	10.2	1	1.0	-1	0.322	0	3.348	1	10.398	2	2057	41	2.3
3583.1	10000	38.2882	94.9960	-631	PKC	3.5	0	10.1	1	1.0	-1	0.344	0	3.395	1	9.876	1	2045	51	2.2
3583.2	10000	38.2882	94.9952	-633	PKC	3.3	0	9.8	0	1.1	0	0.338	0	3.081	0	9.128	1	2049	41	2.2
3583.3	10000	38.2882	94.9945	-634	PKC	3.2	0	9.4	0	1.1	0	0.343	0	2.913	0	8.488	0	2030	47	2.2
3583.4	10000	38.2882	94.9938	-634	PKC	3.2	0	9.7	0	1.1	0	0.328	0	2.863	0	8.722	0	2021	37	2.2
3583.5	10000	38.2882	94.9930	-634	PKC	3.3	0	9.3	0	1.1	0	0.354	0	3.041	0	8.592	0	2010	60	2.2
3583.6	10000	38.2882	94.9923	-635	PKC	3.5	0	9.0	0	1.1	0	0.386	0	3.138	0	8.134	0	1982	56	2.2
3583.7	10000	38.2882	94.9915	-635	PKC	3.4	0	8.4	-1	1.1	0	0.404	1	3.112	0	7.712	0	1953	42	2.2
3583.8	10000	38.2882	94.9908	-636	PKC	3.3	0	7.9	-1	1.0	-1	0.421	1	3.183	0	7.572	-1	1922	50	2.2
3583.9	10000	38.2882	94.9900	-636	PKC	3.3	0	7.8	-1	1.0	-1	0.415	1	3.290	0	7.929	0	1881	49	2.2
3584.0	10000	38.2882	94.9893	-636	PKC	3.2	0	7.7	-1	0.9	-1	0.412	1	3.472	1	8.427	0	1837	50	2.2
3584.1	10000	38.2882	94.9885	-637	PKC	3.1	0	7.3	-2	0.9	-1	0.431	1	3.508	1	8.132	0	1813	45	2.2
3584.2	10000	38.2883	94.9878	-637	PKC	2.9	-1	7.3	-2	0.9	-2	0.402	1	3.364	1	8.364	0	1780	44	2.2
3584.3	10000	38.2882	94.9870	-637	PKC	2.8	-1	7.2	-2	0.8	-2	0.390	0	3.305	0	8.468	0	1766	51	2.2
3584.4	10000	38.2883	94.9863	-637	PKC	2.8	-1	7.4	-2	0.8	-2	0.382	0	3.388	1	8.869	0	1760	45	2.2
3584.5	10000	38.2883	94.9855	-638	PKC	2.9	-1	7.6	-1	0.8	-2	0.381	0	3.654	1	9.595	1	1769	46	2.2
3584.6	10000	38.2883	94.9848	-637	PKC	3.0	0	7.8	-1	0.8	-2	0.392	0	3.779	1	9.643	1	1803	45	2.2
3584.7	10000	38.2883	94.9840	-637	PKC	3.1	0	8.2	-1	0.8	-2	0.383	0	3.727	1	9.742	1	1848	47	2.1
3584.8	10000	38.2883	94.9833	-637	PKC	3.4	0	8.5	-1	0.8	-2	0.400	1	4.025	2	10.059	1	1899	59	2.1
3584.9	10000	38.2883	94.9825	-637	PKC	3.5	0	8.7	0	0.9	-1	0.400	1	3.737	1	9.341	1	1966	41	2.1
3585.0	10000	38.2883	94.9818	-637	PKC	3.6	1	8.8	0	1.0	-1	0.412	1	3.545	1	8.595	0	2027	49	2.1
3585.1	10000	38.2883	94.9811	-637	PKC	3.7	1	8.8	0	1.1	0	0.417	1	3.314	0	7.942	0	2095	51	2.1
3585.2	10000	38.2883	94.9803	-636	PKC	3.5	0	9.1	0	1.2	0	0.384	0	2.944	0	7.658	-1	2156	46	2.1
3585.3	10000	38.2883	94.9796	-636	PKC	3.4	0	9.3	0	1.3	0	0.371	0	2.709	0	7.311	-1	2189	40	2.1
3585.4	10000	38.2883	94.9788	-636	PKC	3.5	0	9.2	0	1.3	0	0.377	0	2.655	0	7.042	-1	2205	44	2.1
3585.5	10000	38.2883	94.9781	-636	PKC	3.3	0	9.2	0	1.3	0	0.358	0	2.565	0	7.166	-1	2200	47	2.1
3585.6	10000	38.2883	94.9773	-635	PKC	3.3	0	9.0	0	1.3	0	0.366	0	2.601	0	7.108	-1	2193	49	2.1
3585.7	10000	38.2883	94.9766	-635	PKC	3.2	0	9.2	0	1.2	0	0.344	0	2.611	0	7.579	-1	2191	42	2.1
3585.8	10000	38.2884	94.9758	-636	PKC	3.2	0	9.6	0	1.2	0	0.332	0	2.735	0	8.239	0	2181	55	2.1
3585.9	10000	38.2884	94.9751	-636	PKC	3.2	0	9.3	0	1.1	0	0.347	0	2.982	0	8.593	0	2150	44	2.1
3586.0	10000	38.2884	94.9743	-636	PKC	3.4	0	9.4	0	1.1	0	0.362	0	3.230	0	8.924	0	2143	46	2.1
3586.1	10000	38.2884	94.9736	-637	PKC	3.3	0	9.6	0	1.1	0	0.346	0	3.218	0	9.298	0	2129	41	2.1
3586.2	10000	38.2884	94.9728	-637	PKC	3.0	0	9.6	0	1.1	0	0.313	0	2.750	0	8.794	0	2097	35	2.1
3586.3	10000	38.2884	94.9721	-637	PKC	2.8	0	9.3	0	1.1	0	0.294	0	2.631	0	8.940	0	2076	48	2.1
3586.4	10000	38.2884	94.9713	-637	PKC	2.9	-1	9.2	0	1.1	0	0.315	0	2.725	0	8.662	0	2057	49	2.1
3586.5	10000	38.2884	94.9706	-638	PKC	2.9	-1	9.6	0	1.1	0	0.310	0	2.713	0	8.747	0	2042	50	2.1
3586.6	10000	38.2884	94.9699	-639	PKC	3.0	-1	9.8	0	1.1	0	0.328	0	2.786	0	8.494	0	2058	42	2.1
3586.7	10000	38.2884	94.9691	-638	PKC	3.1	0	9.8	0	1.1	0	0.338	0	2.663	0	7.887	0	2059	43	2.1
3586.8	10000	38.2884	94.9684	-639	PKC	3.4	0	9.6	0	1.2	0	0.364	0	2.728	0	7.498	0	2094	54	2.1
3586.9	10000	38.2884	94.9676	-639	PKC	3.5	0	9.6	0	1.1	0	0.400	0	3.102	0	7.750	0	2116	52	2.1
3587.0	10000	38.2884	94.9669	-638	PKC	3.4	0	9.5	0	1.1	0	0.412	0	3.116	0	7.559	0	2101	48	2.1
3587.1	10000	38.2884	94.9661	-638	PKC	3.5	0	9.5	0	1.1	0	0.413	0	3.298	0	7.981	0	2074	41	2.1
3587.2	10000	38.2884	94.9654	-638	PKC	3.6	0	9.1	0	1.1	0	0.439	0	3.494	0	7.780	0	2027	54	2.1
3587.3	10000	38.2885	94.9646	-639	PKC	3.5	0	9.8	0	1.1	0	0.437	0	3.458	0	7.883	0	1964	41	2.1
3587.4	10000	38.2885	94.9639	-639	PKC	3.4	0	9.8	0	1.1	0	0.403	0	3.406	0	8.252	0	1901	48	2.1
3587.5	10000	38.2885	94.9631	-639	PKC	3.2	0	9.8	0	1.1	0	0.397	0	3.551	0	8.810	0	1816	49	2.1
3587.6	10000	38.2885	94.9624	-639	PKC	3.1	0	9.8	0	1.1	0	0.397	0	3.600	0	9.057	0	1754	49	2.1

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3587.7	10000	38.2885	94.9616	-639	PKC	2.9	-1	8.0	-1	0.8	-2	0.361	0	3.437	1	9.516	1	1736	43	2.1
3587.8	10000	38.2885	94.9609	-639	PKC	2.9	-1	7.9	-1	0.8	-2	0.368	0	3.566	1	9.701	1	1733	36	2.1
3587.9	10000	38.2885	94.9601	-639	PKC	2.7	-1	8.2	-1	0.8	-2	0.326	0	3.344	1	10.273	2	1760	48	2.1
3588.0	10000	38.2885	94.9594	-638	PKC	2.8	-1	8.1	-1	0.8	-2	0.341	0	3.443	1	10.097	1	1786	50	2.1
3588.1	10000	38.2885	94.9586	-638	PKC	2.9	-1	8.8	0	0.8	-2	0.329	0	3.590	1	10.911	2	1821	54	2.1
3588.2	10000	38.2885	94.9579	-638	PKC	3.1	0	8.7	-1	0.8	-2	0.359	0	3.757	1	10.465	2	1870	34	2.1
3588.3	10000	38.2885	94.9572	-637	PKC	3.2	0	8.7	-1	0.8	-2	0.373	0	3.821	1	10.234	1	1912	54	2.1
3588.4	10000	38.2885	94.9564	-637	PKC	3.8	0	8.6	-1	0.8	-2	0.440	0	4.625	2	10.501	2	1935	37	2.1
3588.5	10000	38.2885	94.9557	-637	PKC	3.9	0	8.8	-1	0.9	-1	0.437	0	4.420	2	10.109	1	1953	46	2.1
3588.6	10000	38.2885	94.9549	-636	PKC	4.2	0	8.8	-1	0.9	-1	0.475	0	4.387	2	9.226	1	1981	42	2.1
3588.7	10000	38.2886	94.9542	-636	PKC	4.2	0	8.7	-1	0.9	-1	0.464	0	4.076	2	8.791	0	2029	32	2.1
3588.8	10000	38.2886	94.9534	-636	PKC	4.3	-1	8.7	-1	0.9	-1	0.493	0	4.124	2	8.367	0	2082	47	2.1
3588.9	10000	38.2886	94.9527	-636	PKC	4.3	0	8.8	-1	0.9	-1	0.473	0	4.118	2	8.697	0	2139	47	2.1
3589.0	10000	38.2886	94.9519	-635	PKC	4.2	0	8.8	-1	0.9	-1	0.439	0	3.636	2	8.280	0	2189	55	2.1
3589.1	10000	38.2886	94.9512	-635	PKC	4.1	0	8.8	-1	0.9	-1	0.402	0	3.311	2	8.233	0	2227	42	2.1
3589.2	10000	38.2886	94.9504	-635	PKC	3.9	0	8.8	-1	0.9	-1	0.391	0	3.262	2	8.348	0	2211	43	2.1
3589.3	10000	38.2886	94.9497	-636	PKC	3.6	0	8.8	-1	0.9	-1	0.362	0	3.209	2	8.858	0	2152	45	2.1
3589.4	10000	38.2886	94.9489	-636	PKC	3.4	0	8.8	-1	0.9	-1	0.346	0	3.328	2	9.628	1	2075	39	2.1
3589.5	10000	38.2886	94.9482	-636	PKC	3.2	0	8.8	-1	0.9	-1	0.335	0	3.249	2	9.711	1	2004	45	2.1
3589.6	10000	38.2886	94.9474	-637	PKC	3.0	0	8.8	-1	0.9	-1	0.339	0	3.065	1	9.044	1	1929	51	2.1
3589.7	10000	38.2886	94.9467	-637	PKC	2.8	-1	8.6	-1	0.9	-1	0.346	0	3.386	1	9.797	1	1879	60	2.1
3589.8	10000	38.2886	94.9460	-637	PKC	2.6	-1	8.4	-1	0.9	-1	0.322	0	3.295	1	10.229	1	1846	50	2.1
3589.9	10000	38.2886	94.9452	-637	PKC	2.6	-1	8.5	-1	0.9	-1	0.343	0	3.471	1	10.132	1	1866	46	2.1
3590.0	10000	38.2886	94.9445	-636	PKC	2.5	-1	8.5	-1	0.9	-1	0.354	0	3.529	1	9.965	1	1936	49	2.1
3590.1	10000	38.2886	94.9437	-636	PKC	2.5	-1	8.5	-1	0.9	-1	0.355	0	3.595	1	10.119	1	2005	56	2.1
3590.2	10000	38.2886	94.9430	-636	PKC	2.5	-1	8.5	-1	0.9	-1	0.335	0	3.510	1	10.477	2	2054	45	2.1
3590.3	10000	38.2887	94.9422	-637	PKC	2.5	-1	8.5	-1	0.9	-1	0.329	0	3.739	2	11.352	2	2073	43	2.1
3590.4	10000	38.2887	94.9415	-637	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	3.976	2	11.322	2	2088	39	2.1
3590.5	10000	38.2887	94.9407	-637	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.137	2	10.740	2	2090	44	2.1
3590.6	10000	38.2887	94.9400	-636	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.062	2	10.652	2	2078	34	2.1
3590.7	10000	38.2887	94.9392	-635	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.379	2	10.576	2	2040	40	2.1
3590.8	10000	38.2887	94.9385	-634	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.151	2	9.977	1	1997	38	2.1
3590.9	10000	38.2887	94.9377	-635	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.799	2	9.773	1	1973	49	2.1
3591.0	10000	38.2887	94.9370	-636	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.420	2	9.119	1	1967	45	2.1
3591.1	10000	38.2887	94.9362	-636	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.088	2	9.377	1	1963	53	2.1
3591.2	10000	38.2887	94.9355	-635	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.089	2	9.891	1	1983	53	2.1
3591.3	10000	38.2887	94.9348	-635	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.088	2	9.472	1	1994	38	2.1
3591.4	10000	38.2887	94.9340	-635	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.160	2	9.897	1	2015	44	2.1
3591.5	10000	38.2887	94.9333	-635	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.088	2	9.879	1	2061	34	2.1
3591.6	10000	38.2887	94.9325	-634	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.217	2	9.928	1	2074	40	2.1
3591.7	10000	38.2887	94.9318	-635	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.169	2	9.897	1	2066	38	2.1
3591.8	10000	38.2888	94.9310	-636	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.089	2	9.889	1	2078	49	2.1
3591.9	10000	38.2888	94.9303	-637	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.088	2	9.936	1	2074	45	2.1
3592.0	10000	38.2888	94.9295	-637	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.088	2	9.936	1	2078	53	2.1
3592.1	10000	38.2888	94.9288	-637	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.088	2	9.936	1	2085	53	2.1
3592.2	10000	38.2888	94.9280	-637	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.088	2	9.936	1	2073	44	2.1
3592.3	10000	38.2888	94.9273	-638	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.088	2	9.936	1	2070	53	2.1
3592.4	10000	38.2888	94.9265	-638	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.088	2	9.936	1	2078	45	2.1
3592.5	10000	38.2888	94.9258	-638	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.088	2	9.936	1	2078	45	2.1
3592.6	10000	38.2888	94.9250	-641	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.088	2	9.936	1	2078	45	2.1
3592.7	10000	38.2888	94.9243	-647	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.088	2	9.936	1	2078	45	2.1
3592.8	10000	38.2888	94.9236	-651	PKC	2.5	-1	8.5	-1	0.9	-1	0.325	0	4.088	2	9.936	1	2078	45	2.1

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3592.9	10000	38.2888	94.9228	-653	PKC	4.1	1	10.2	1	1.0	-1	0.407	1	4.015	2	9.876	1	2204	51	2.2
3593.0	10000	38.2888	94.9221	-654	PKC	3.8	1	10.3	1	1.1	0	0.389	1	3.684	1	9.474	1	2219	56	2.2
3593.1	10000	38.2888	94.9213	-655	PKC	3.8	1	10.1	1	1.1	0	0.375	1	3.376	1	9.014	1	2215	38	2.2
3593.2	10000	38.2888	94.9206	-656	PKC	3.8	1	10.1	1	1.1	0	0.376	1	3.394	1	9.037	1	2205	44	2.2
3593.3	10000	38.2888	94.9198	-656	PKC	3.8	1	10.0	1	1.1	0	0.384	1	3.391	1	8.838	0	2205	43	2.2
3593.4	10000	38.2888	94.9191	-656	PKC	3.5	1	10.2	1	1.1	0	0.344	1	3.121	0	9.059	1	2221	50	2.1
3593.5	10000	38.2889	94.9183	-658	PKC	3.4	1	10.7	1	1.2	-1	0.314	1	2.907	0	9.268	1	2214	60	2.1
3593.6	10000	38.2889	94.9176	-659	PKC	3.5	1	10.5	1	1.2	0	0.331	1	2.985	0	9.012	1	2218	40	2.1
3593.7	10000	38.2889	94.9168	-660	PKC	3.4	1	10.4	1	1.2	0	0.330	1	2.845	0	8.610	0	2220	45	2.2
3593.8	10000	38.2889	94.9161	-661	PKC	3.5	1	10.4	1	1.2	0	0.331	1	2.763	0	8.337	0	2232	45	2.2
3593.9	10000	38.2889	94.9153	-662	PKC	3.3	1	10.4	1	1.3	-1	0.306	1	2.459	-1	8.045	0	2254	51	2.2
3594.0	10000	38.2889	94.9146	-662	PKC	3.5	1	10.4	1	1.4	-1	0.296	1	2.334	-1	7.884	0	2266	37	2.2
3594.1	10000	38.2889	94.9138	-663	PKC	3.5	1	10.4	1	1.4	-1	0.319	1	2.475	-1	7.757	0	2282	33	2.2
3594.2	10000	38.2889	94.9131	-663	PKC	3.5	1	10.4	1	1.4	-1	0.322	1	2.451	-1	7.608	-1	2310	47	2.1
3594.3	10000	38.2889	94.9124	-663	PKC	3.5	1	10.4	1	1.4	-1	0.325	1	2.433	-1	7.484	-1	2322	40	2.1
3594.4	10000	38.2889	94.9116	-663	PKC	3.5	1	10.4	1	1.4	-1	0.324	1	2.449	-1	7.558	-1	2314	51	2.1
3594.5	10000	38.2889	94.9109	-662	PKC	3.5	1	10.4	1	1.4	0	0.323	1	2.585	-1	8.010	0	2335	33	2.1
3594.6	10000	38.2889	94.9101	-661	PKC	3.5	1	10.4	1	1.4	0	0.342	1	2.695	0	7.881	0	2347	39	2.1
3594.7	10000	38.2889	94.9094	-659	PKC	3.5	1	10.4	1	1.4	0	0.345	1	2.699	0	7.826	0	2347	37	2.1
3594.8	10000	38.2889	94.9086	-656	PKC	3.7	1	10.3	1	1.4	0	0.341	1	2.738	0	8.017	0	2329	55	2.1
3594.9	10000	38.2889	94.9079	-654	PKC	3.7	1	10.3	1	1.4	0	0.340	1	2.747	0	8.084	0	2338	45	2.1
3595.0	10000	38.2890	94.9071	-651	PKC	3.7	1	10.3	1	1.4	0	0.330	1	2.746	0	8.315	0	2326	46	2.1
3595.1	10000	38.2890	94.9064	-649	PKC	3.7	1	10.3	1	1.4	0	0.350	1	2.919	0	8.340	0	2337	56	2.1
3595.2	10000	38.2890	94.9056	-647	PKC	3.7	1	10.3	1	1.4	0	0.343	1	2.901	0	8.463	0	2311	51	2.1
3595.3	10000	38.2890	94.9049	-644	PKC	3.7	1	10.3	1	1.4	0	0.323	1	2.901	0	8.994	1	2277	36	2.1
3595.4	10000	38.2890	94.9041	-641	PKC	3.7	1	10.3	1	1.4	0	0.352	1	3.135	1	8.435	1	2262	53	2.1
3595.5	10000	38.2890	94.9034	-638	PKC	3.7	1	10.3	1	1.4	0	0.338	1	3.193	1	9.442	1	2253	57	2.1
3595.6	10000	38.2890	94.9026	-635	PKC	3.7	1	10.3	1	1.4	0	0.340	1	3.223	1	9.478	1	2221	37	2.1
3595.7	10000	38.2890	94.9019	-633	PKC	3.7	1	10.3	1	1.4	0	0.312	1	2.947	0	9.458	1	2210	46	2.1
3595.8	10000	38.2890	94.9012	-631	PKC	3.7	1	10.3	1	1.4	0	0.316	1	2.976	0	9.429	1	2189	52	2.1
3595.9	10000	38.2890	94.9004	-630	PKC	3.7	1	10.3	1	1.4	0	0.339	1	3.271	1	9.663	1	2155	52	2.1
3596.0	10000	38.2890	94.8997	-629	PKC	3.7	1	10.3	1	1.4	0	0.366	1	3.501	1	9.024	1	2144	52	2.1
3596.1	10000	38.2890	94.8989	-628	PKC	3.7	1	10.3	1	1.4	0	0.357	1	3.242	1	9.136	1	2135	52	2.1
3596.2	10000	38.2890	94.8982	-627	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.304	1	9.168	1	2107	52	2.1
3596.3	10000	38.2890	94.8974	-626	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.485	1	9.761	1	2097	52	2.1
3596.4	10000	38.2890	94.8967	-625	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.668	1	9.658	1	2082	52	2.1
3596.5	10000	38.2890	94.8959	-624	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.804	1	9.825	1	2085	52	2.1
3596.6	10000	38.2890	94.8952	-625	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.801	1	9.888	1	2085	52	2.1
3596.7	10000	38.2890	94.8944	-626	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.519	1	9.774	1	2079	52	2.1
3596.8	10000	38.2890	94.8937	-627	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.235	1	9.802	1	2091	52	2.1
3596.9	10000	38.2890	94.8929	-628	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.249	1	9.894	1	2087	52	2.1
3597.0	10000	38.2890	94.8922	-630	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.239	1	9.964	1	2092	52	2.1
3597.1	10000	38.2890	94.8914	-632	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.590	1	10.06	1	2088	52	2.1
3597.2	10000	38.2890	94.8907	-633	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.566	1	10.11	1	2100	52	2.1
3597.3	10000	38.2890	94.8900	-635	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.519	1	10.12	1	2092	52	2.1
3597.4	10000	38.2890	94.8892	-637	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.519	1	10.13	1	2088	52	2.1
3597.5	10000	38.2890	94.8885	-638	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.519	1	10.14	1	2092	52	2.1
3597.6	10000	38.2890	94.8877	-640	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.519	1	10.15	1	2088	52	2.1
3597.7	10000	38.2890	94.8870	-641	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.519	1	10.16	1	2093	52	2.1
3597.8	10000	38.2890	94.8862	-641	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.519	1	10.17	1	2083	52	2.1
3597.9	10000	38.2890	94.8855	-641	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.519	1	10.18	1	2082	52	2.1
3598.0	10000	38.2890	94.8847	-641	PKC	3.7	1	10.3	1	1.4	0	0.358	1	3.519	1	10.19	1	2082	52	2.1

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3598.1	10000	38.2892	94.8840	-641	PKC	3.5	0	10.3	1	1.1	0	0.336	0	3.092	0	9.211	1	2200	49	2.0
3598.2	10000	38.2891	94.8832	-640	PKC	3.8	1	10.4	1	1.2	0	0.362	0	3.194	0	8.824	0	2211	43	1.9
3598.3	10000	38.2892	94.8825	-642	PKC	3.7	1	10.2	1	1.2	0	0.366	0	3.235	0	8.849	0	2218	43	1.9
3598.4	10000	38.2892	94.8817	-640	PKC	3.6	1	10.4	1	1.2	0	0.341	0	3.032	0	8.883	0	2216	50	1.9
3598.5	10000	38.2892	94.8810	-639	PKC	3.8	1	10.1	1	1.1	0	0.374	0	3.294	0	8.817	0	2194	47	1.9
3598.6	10000	38.2892	94.8802	-638	PKC	3.9	1	9.4	1	1.1	0	0.413	0	3.445	0	8.343	0	2169	46	1.9
3598.7	10000	38.2892	94.8795	-637	PKC	4.1	1	8.6	1	1.0	0	0.473	0	4.039	0	8.532	0	2119	45	1.9
3598.8	10000	38.2892	94.8788	-637	PKC	3.9	1	8.4	1	1.0	-1	0.467	-1	3.991	-1	8.546	0	2082	56	1.9
3598.9	10000	38.2892	94.8780	-636	PKC	3.8	1	8.0	1	0.9	-1	0.470	-1	3.920	-1	8.334	0	2041	43	1.9
3599.0	10000	38.2892	94.8773	-635	PKC	4.1	1	7.8	1	0.9	-1	0.486	-1	4.252	-1	8.758	0	1993	50	1.9
3599.1	10000	38.2892	94.8766	-634	PKC	4.0	1	7.3	1	0.8	-2	0.558	-2	4.834	-2	8.659	0	1964	46	1.9
3599.2	10000	38.2892	94.8758	-633	PKC	4.0	1	7.2	1	0.8	-2	0.552	-2	4.827	-2	8.744	0	1946	50	1.9
3599.3	10000	38.2892	94.8751	-633	PKC	4.0	1	7.4	1	0.8	-2	0.542	-2	5.090	-2	9.391	1	1933	46	1.9
3599.4	10000	38.2892	94.8744	-632	PKC	4.1	2	7.5	2	0.8	-2	0.544	-2	4.956	-2	9.109	1	1937	49	1.9
3599.5	10000	38.2892	94.8737	-632	PKC	4.2	2	7.6	2	0.8	-2	0.575	-2	5.180	-2	9.007	1	1940	46	1.9
3599.6	10000	38.2892	94.8730	-633	PKC	4.2	2	7.7	2	0.8	-2	0.608	-2	5.510	-2	9.068	1	1934	41	1.9
3599.7	10000	38.2892	94.8722	-633	PKC	4.3	2	7.8	2	0.9	-2	0.588	-2	5.415	-2	9.213	1	1938	43	1.9
3599.8	10000	38.2892	94.8715	-633	PKC	4.3	2	7.7	2	0.9	-2	0.579	-2	5.434	-2	9.380	1	1958	56	1.9
3599.9	10000	38.2892	94.8708	-633	PKC	4.2	2	7.8	2	0.9	-2	0.567	-2	5.119	-2	9.026	1	1991	45	1.9
3600.0	10000	38.2892	94.8701	-633	PKC	4.0	2	7.8	2	0.9	-2	0.518	-2	4.741	-2	9.155	1	2038	42	1.9
3600.1	10000	38.2892	94.8694	-633	PKC	3.9	1	8.0	1	0.9	-1	0.481	-1	4.645	-1	9.652	1	2042	52	1.9
3600.2	10000	38.2892	94.8686	-633	PKC	4.0	1	8.0	1	0.9	-1	0.467	-1	4.294	-1	9.197	1	2022	50	1.9
3600.3	10000	38.2892	94.8679	-633	PKC	4.0	1	8.0	1	0.9	-1	0.469	-1	4.303	-1	9.177	1	2008	48	1.9
3600.4	10000	38.2892	94.8672	-633	PKC	4.0	1	8.0	1	0.9	-1	0.487	-1	4.338	-1	8.908	1	1981	41	1.9
3600.5	10000	38.2892	94.8665	-633	PKC	4.0	1	8.0	1	0.9	-1	0.503	-1	4.454	-1	8.860	1	1951	39	1.9
3600.6	10000	38.2892	94.8658	-633	PKC	4.0	1	8.0	1	0.9	-1	0.499	-1	4.724	-1	9.470	1	1918	41	1.9
3600.7	10000	38.2892	94.8650	-633	PKC	4.0	1	8.0	1	0.9	-1	0.511	-1	4.918	-1	9.632	1	1884	38	1.9
3600.8	10000	38.2892	94.8643	-633	PKC	3.9	1	8.0	1	0.9	-1	0.490	-1	4.710	-1	9.604	1	1879	39	1.9
3600.9	10000	38.2892	94.8636	-633	PKC	4.0	1	8.0	1	0.9	-1	0.489	-1	4.878	-1	9.983	1	1913	46	1.9
3601.0	10000	38.2892	94.8629	-633	PKC	4.0	1	8.0	1	0.9	-1	0.477	-1	4.730	-1	9.906	1	1954	38	1.9
3601.1	10000	38.2892	94.8622	-633	PKC	4.0	1	8.0	1	0.9	-1	0.466	-1	4.550	-1	9.772	1	1997	53	1.9
3601.2	10000	38.2892	94.8614	-633	PKC	4.0	1	8.0	1	0.9	-1	0.417	-1	4.459	-1	9.688	1	2022	53	1.9
3601.3	10000	38.2892	94.8607	-633	PKC	4.0	1	8.0	1	0.9	-1	0.401	-1	4.214	-1	9.534	1	2053	47	1.9
3601.4	10000	38.2892	94.8600	-633	PKC	4.0	1	8.0	1	0.9	-1	0.397	-1	3.954	-1	9.955	1	2078	55	1.9
3601.5	10000	38.2892	94.8593	-633	PKC	4.0	1	8.0	1	0.9	-1	0.404	-1	4.010	-1	9.919	1	2083	59	1.9
3601.6	10000	38.2892	94.8586	-633	PKC	4.0	1	8.0	1	0.9	-1	0.409	-1	4.039	-1	9.872	1	2086	50	1.9
3601.7	10000	38.2892	94.8578	-633	PKC	4.0	1	8.0	1	0.9	-1	0.419	-1	4.150	-1	9.997	1	2056	35	1.9
3601.8	10000	38.2892	94.8571	-633	PKC	4.0	1	8.0	1	0.9	-1	0.401	-1	4.230	-1	9.541	1	2051	44	1.9
3601.9	10000	38.2892	94.8564	-633	PKC	4.0	1	8.0	1	0.9	-1	0.452	-1	4.300	-1	9.519	1	2023	42	1.9
3602.0	10000	38.2892	94.8557	-633	PKC	4.0	1	8.0	1	0.9	-1	0.490	-1	4.345	-1	9.260	1	1994	44	1.9
3602.1	10000	38.2892	94.8549	-633	PKC	4.0	1	8.0	1	0.9	-1	0.526	-1	4.323	-1	9.791	1	1957	37	1.9
3602.2	10000	38.2892	94.8542	-633	PKC	4.0	1	8.0	1	0.9	-1	0.575	-1	4.461	-1	9.306	1	1957	40	1.9
3602.3	10000	38.2892	94.8535	-633	PKC	4.0	1	8.0	1	0.9	-1	0.606	-1	4.880	-1	9.174	1	1963	38	1.9
3602.4	10000	38.2892	94.8528	-633	PKC	4.0	1	8.0	1	0.9	-1	0.608	-1	4.942	-1	9.148	1	1996	55	1.9
3602.5	10000	38.2892	94.8521	-633	PKC	4.0	1	8.0	1	0.9	-1	0.624	-1	4.993	-1	9.046	1	2026	44	1.9
3602.6	10000	38.2892	94.8513	-633	PKC	4.0	1	8.0	1	0.9	-1	0.632	-1	5.059	-1	9.021	1	2066	53	1.9
3602.7	10000	38.2892	94.8506	-633	PKC	4.0	1	8.0	1	0.9	-1	0.624	-1	4.992	-1	8.992	1	2114	46	1.9
3602.8	10000	38.2892	94.8499	-633	PKC	4.0	1	8.0	1	0.9	-1	0.624	-1	4.985	-1	8.992	1	2163	45	1.9
3602.9	10000	38.2892	94.8492	-633	PKC	4.0	1	8.0	1	0.9	-1	0.624	-1	4.985	-1	8.992	1	2201	45	1.9
3603.0	10000	38.2892	94.8485	-633	PKC	4.0	1	8.0	1	0.9	-1	0.624	-1	4.985	-1	8.992	1	2252	45	1.9
3603.1	10000	38.2892	94.8477	-633	PKC	4.0	1	8.0	1	0.9	-1	0.624	-1	4.985	-1	8.992	1	2307	45	1.9
3603.2	10000	38.2892	94.8470	-633	PKC	4.0	1	8.0	1	0.9	-1	0.624	-1	4.985	-1	8.992	1	2307	45	1.9

LINE 590 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3603.3	10000	38.2892	94.8463	-601	PKC	4.5	2	9.1	0	1.2	0	0.499	2	3.767	1	7.551	-1	2335	60	1.9
3603.4	10000	38.2892	94.8456	-600	PKC	4.8	3	9.1	0	1.2	1	0.527	2	3.866	1	7.332	-1	2352	40	1.9
3603.5	10000	38.2892	94.8449	-599	PKC	4.8	3	8.9	0	1.2	1	0.538	2	3.987	1	7.418	-1	2332	43	1.9
3603.6	10000	38.2892	94.8441	-598	PKC	4.5	2	8.6	-1	1.2	0	0.520	2	3.691	1	7.096	-1	2311	41	1.9
3603.7	10000	38.2892	94.8434	-598	PKC	4.4	2	8.5	-1	1.2	0	0.517	2	3.657	1	7.075	-1	2279	49	1.9
3603.8	10000	38.2892	94.8427	-598	PKC	4.3	2	8.4	-1	1.1	0	0.508	2	3.721	1	7.325	-1	2221	51	1.9
3603.9	10000	38.2892	94.8420	-598	PKC	4.2	2	8.2	-1	1.1	0	0.512	2	3.989	1	7.785	0	2128	51	1.9
3604.0	10000	38.2892	94.8413	-597	PKC	4.1	1	8.0	-1	1.0	-1	0.514	2	4.166	2	8.112	0	2057	53	1.9
3604.1	10000	38.2892	94.8405	-597	PKC	3.9	1	7.5	-1	0.9	-1	0.521	2	4.235	2	8.124	0	1998	33	1.9
3604.2	10000	38.2892	94.8398	-596	PKC	3.9	1	7.5	-1	0.9	-1	0.526	2	4.429	2	8.423	0	1979	51	1.9
3604.3	10000	38.2892	94.8391	-595	PKC	4.1	1	7.8	-1	0.9	-2	0.528	2	4.803	3	9.097	1	1968	49	1.9
3604.4	10000	38.2892	94.8384	-594	PKC	4.0	1	8.0	-1	0.8	-2	0.494	2	4.847	3	9.807	1	1949	46	1.9
3604.5	10000	38.2892	94.8377	-594	PKC	4.0	1	8.2	-1	0.8	-2	0.493	2	4.901	3	9.933	1	1963	43	1.9
3604.6	10000	38.2892	94.8369	-593	PKC	3.9	1	8.4	-1	0.9	-1	0.464	2	4.356	2	9.383	1	2017	45	1.9
3604.7	10000	38.2892	94.8362	-592	PKC	4.0	1	8.6	-1	1.0	-1	0.439	2	4.134	2	9.418	1	2070	42	1.9
3604.8	10000	38.2892	94.8355	-591	PKC	4.1	1	8.8	-1	1.0	-1	0.427	2	4.014	2	9.397	1	2117	34	1.9
3604.9	10000	38.2892	94.8348	-590	PKC	4.1	1	8.8	0	1.0	-1	0.414	2	3.929	2	9.498	1	2144	40	1.9
3605.0	10000	38.2892	94.8341	-589	PKC	3.9	1	8.8	0	1.1	0	0.394	2	3.577	2	9.080	1	2166	46	1.9
3605.1	10000	38.2892	94.8333	-587	PKC	3.9	1	9.7	0	1.1	0	0.405	2	3.440	2	8.496	1	2212	39	1.9
3605.2	10000	38.2892	94.8326	-586	PKC	4.1	1	9.5	0	1.1	0	0.435	2	3.670	2	8.436	1	2214	50	1.9
3605.3	10000	38.2892	94.8319	-584	PKC	4.5	2	9.3	0	1.1	0	0.482	2	4.117	2	8.545	1	2211	48	1.9
3605.4	10000	38.2891	94.8312	-583	PKC	4.4	2	9.9	0	1.0	0	0.494	2	4.195	2	8.483	1	2167	43	1.9
3605.5	10000	38.2892	94.8305	-581	PKC	3.9	2	8.8	-1	1.0	-1	0.465	2	3.888	2	8.365	1	2099	51	1.9
3605.6	10000	38.2892	94.8297	-579	PKC	3.8	2	8.7	-1	0.9	-1	0.479	2	3.914	2	8.170	1	2008	50	1.9
3605.7	10000	38.2891	94.8290	-578	PKC	3.7	2	8.7	-2	0.9	-1	0.515	2	4.167	2	8.090	1	1903	48	1.9
3605.8	10000	38.2892	94.8283	-576	PKC	3.9	2	8.7	-2	0.8	-2	0.547	2	4.685	3	8.564	1	1806	38	1.9
3605.9	10000	38.2891	94.8276	-574	PKC	3.8	2	8.8	-2	0.8	-2	0.564	2	4.831	3	8.573	1	1766	41	1.9
3606.0	10000	38.2891	94.8269	-573	PKC	3.5	2	8.5	-2	0.8	-2	0.539	2	4.481	3	8.309	0	1724	47	1.9
3606.1	10000	38.2891	94.8261	-572	PKC	3.6	2	8.2	-2	0.7	-2	0.575	2	4.812	3	8.363	0	1717	38	1.9
3606.2	10000	38.2891	94.8254	-571	PKC	3.6	2	8.2	-2	0.7	-2	0.602	2	5.132	3	8.521	0	1726	46	1.9
3606.3	10000	38.2891	94.8247	-569	PKC	3.6	2	8.2	-2	0.7	-2	0.571	2	4.813	3	8.321	0	1764	43	1.9
3606.4	10000	38.2891	94.8240	-569	PKC	3.6	2	8.2	-2	0.7	-2	0.553	2	4.602	3	8.237	0	1794	43	1.9
3606.5	10000	38.2891	94.8233	-568	PKC	3.6	2	8.2	-2	0.7	-2	0.542	2	4.602	3	8.237	0	1801	43	1.9
3606.6	10000	38.2891	94.8225	-566	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	1791	43	1.9
3606.7	10000	38.2891	94.8218	-566	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	1777	43	1.9
3606.8	10000	38.2891	94.8211	-565	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	1776	43	1.9
3606.9	10000	38.2891	94.8204	-564	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	1781	43	1.9
3607.0	10000	38.2891	94.8197	-564	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	1791	43	1.9
3607.1	10000	38.2891	94.8189	-563	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	1834	43	1.9
3607.2	10000	38.2891	94.8182	-562	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	1881	43	1.9
3607.3	10000	38.2891	94.8175	-562	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	1913	43	1.9
3607.4	10000	38.2891	94.8168	-561	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	1936	43	1.9
3607.5	10000	38.2891	94.8161	-560	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	1955	43	1.9
3607.6	10000	38.2891	94.8154	-559	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	1980	43	1.9
3607.7	10000	38.2891	94.8146	-558	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	2004	43	1.9
3607.8	10000	38.2891	94.8139	-557	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	2025	43	1.9
3607.9	10000	38.2891	94.8132	-556	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	2051	43	1.9
3608.0	10000	38.2891	94.8125	-555	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	2069	43	1.9
3608.1	10000	38.2891	94.8118	-553	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	2086	43	1.9
3608.2	10000	38.2891	94.8111	-552	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	2096	43	1.9
3608.3	10000	38.2891	94.8104	-551	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	2106	43	1.9
3608.4	10000	38.2891	94.8096	-550	PKC	3.6	2	8.2	-2	0.7	-2	0.538	2	4.602	3	8.237	0	2117	43	1.9

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3608.5	10000	38.2891	94.8089	-550	PKC	5.0	3	8.3	-1	1.0	-1	0.595	3	4.831	3	8.112	0	2148	38	1.9
3608.6	10000	38.2891	94.8081	-549	PKC	5.3	3	8.2	-1	1.0	-1	0.650	4	5.577	4	8.580	0	2128	56	1.9
3608.7	10000	38.2891	94.8074	-547	PKC	5.2	3	8.0	-1	0.9	-1	0.651	4	5.725	4	8.794	0	2074	51	1.9
3608.8	10000	38.2891	94.8067	-546	PKC	5.2	3	7.7	-1	0.9	-1	0.670	4	5.867	4	8.757	0	2046	49	1.9
3608.9	10000	38.2891	94.8060	-545	PKC	4.7	2	8.1	-1	0.9	-1	0.580	3	5.253	3	9.051	1	2027	49	1.9
3609.0	10000	38.2891	94.8053	-544	PKC	4.3	2	8.3	-1	0.9	-1	0.524	3	4.792	3	9.148	1	2023	32	1.9
3609.1	10000	38.2891	94.8045	-542	PKC	4.3	2	8.6	-1	1.0	-1	0.502	2	4.440	2	8.853	1	2024	45	1.9
3609.2	10000	38.2891	94.8038	-542	PKC	4.3	2	8.5	-1	1.1	0	0.496	1	3.973	1	8.007	0	2041	49	1.9
3609.3	10000	38.2891	94.8031	-541	PKC	4.3	2	8.4	-1	1.1	0	0.466	1	3.695	1	7.927	0	2041	54	1.9
3609.4	10000	38.2891	94.8024	-539	PKC	4.3	2	8.3	-1	1.1	0	0.458	1	3.593	1	7.838	0	2042	41	1.9
3609.5	10000	38.2891	94.8017	-538	PKC	4.4	2	8.2	-1	1.0	-1	0.458	1	3.631	1	7.921	0	2032	41	1.9
3609.6	10000	38.2891	94.8009	-537	PKC	4.4	2	7.9	-1	1.0	-1	0.522	1	4.175	2	7.998	0	2024	53	1.9
3609.7	10000	38.2891	94.8002	-536	PKC	4.4	2	7.9	-1	1.0	-1	0.551	2	4.379	2	7.944	0	2036	42	1.9
3609.8	10000	38.2891	94.7995	-534	PKC	4.5	2	7.7	-2	1.0	-1	0.609	3	4.572	3	7.512	-1	2048	42	1.9
3609.9	10000	38.2891	94.7988	-533	PKC	4.4	2	7.8	-1	0.9	-1	0.593	3	4.785	3	8.069	0	2057	35	1.9
3610.0	10000	38.2891	94.7980	-533	PKC	4.7	2	8.0	-1	0.9	-1	0.582	3	5.024	3	8.638	0	2096	42	1.9
3610.1	10000	38.2891	94.7973	-531	PKC	4.8	2	8.6	-1	1.0	-1	0.556	3	5.058	3	9.104	1	2153	44	1.9
3610.2	10000	38.2891	94.7966	-529	PKC	4.8	2	8.6	-1	1.0	-1	0.549	2	5.290	3	9.633	1	2203	52	1.9
3610.3	10000	38.2891	94.7959	-529	PKC	4.8	2	8.6	-1	1.0	-1	0.504	2	4.861	3	9.636	1	2229	50	1.9
3610.4	10000	38.2891	94.7952	-529	PKC	4.8	2	8.6	-1	1.0	-1	0.478	1	4.798	3	10.045	1	2240	48	1.9
3610.5	10000	38.2891	94.7944	-528	PKC	4.8	2	8.6	-1	1.0	-1	0.472	1	5.033	3	10.675	2	2215	51	1.9
3610.6	10000	38.2891	94.7937	-527	PKC	4.8	2	8.6	-1	1.0	-1	0.451	1	4.865	3	10.778	2	2185	50	1.9
3610.7	10000	38.2891	94.7930	-525	PKC	4.8	2	8.6	-1	1.0	-1	0.435	1	4.351	3	9.997	1	2141	50	1.9
3610.8	10000	38.2891	94.7923	-524	PKC	4.8	2	8.6	-1	1.0	-1	0.404	1	4.137	3	10.236	1	2064	51	1.9
3610.9	10000	38.2891	94.7916	-523	PKC	4.8	2	8.6	-1	1.0	-1	0.396	1	3.943	2	9.963	1	2001	35	1.9
3611.0	10000	38.2891	94.7908	-522	PKC	4.8	2	8.6	-1	1.0	-1	0.403	1	4.010	2	9.960	1	1957	47	1.9
3611.1	10000	38.2891	94.7901	-521	PKC	4.8	2	8.6	-1	1.0	-1	0.398	1	3.634	1	9.128	1	1921	44	1.9
3611.2	10000	38.2891	94.7894	-519	PKC	4.8	2	8.6	-1	1.0	-1	0.376	1	3.244	1	8.628	1	1929	45	1.9
3611.3	10000	38.2891	94.7887	-518	PKC	4.8	2	8.6	-1	1.0	-1	0.368	1	3.166	1	8.598	1	1931	39	2.0
3611.4	10000	38.2891	94.7880	-517	PKC	4.8	2	8.6	-1	1.0	-1	0.407	1	3.556	1	8.746	0	1933	37	2.0
3611.5	10000	38.2891	94.7872	-516	PKC	4.8	2	8.6	-1	1.0	-1	0.408	1	3.555	1	8.715	0	1965	45	2.0
3611.6	10000	38.2891	94.7865	-515	PKC	4.8	2	8.6	-1	1.0	-1	0.428	1	3.955	1	8.955	0	1995	47	2.0
3611.7	10000	38.2891	94.7858	-514	PKC	4.8	2	8.6	-1	1.0	-1	0.440	1	4.276	2	8.447	0	2030	44	2.0
3611.8	10000	38.2891	94.7851	-513	PKC	4.8	2	8.6	-1	1.0	-1	0.460	1	4.531	2	8.276	0	2055	32	2.0
3611.9	10000	38.2891	94.7844	-511	PKC	4.8	2	8.6	-1	1.0	-1	0.491	1	4.428	2	7.531	0	2073	44	2.0
3612.0	10000	38.2891	94.7836	-511	PKC	4.8	2	8.6	-1	1.0	-1	0.528	1	4.044	2	7.428	0	2101	45	2.0
3612.1	10000	38.2891	94.7829	-510	PKC	4.8	2	8.6	-1	1.0	-1	0.530	1	4.715	2	7.044	0	2138	44	2.0
3612.2	10000	38.2891	94.7822	-509	PKC	4.8	2	8.6	-1	1.0	-1	0.560	1	4.568	2	6.715	0	2151	35	2.0
3612.3	10000	38.2891	94.7815	-508	PKC	4.8	2	8.6	-1	1.0	-1	0.570	1	4.726	2	6.568	0	2189	44	2.0
3612.4	10000	38.2891	94.7808	-507	PKC	4.8	2	8.6	-1	1.0	-1	0.607	1	4.935	2	6.726	0	2207	51	2.0
3612.5	10000	38.2891	94.7800	-507	PKC	4.8	2	8.6	-1	1.0	-1	0.601	1	4.840	2	6.935	0	2220	45	2.0
3612.6	10000	38.2891	94.7793	-506	PKC	4.8	2	8.6	-1	1.0	-1	0.652	1	4.722	2	6.840	0	2236	66	2.0
3612.7	10000	38.2891	94.7786	-505	PKC	4.8	2	8.6	-1	1.0	-1	0.658	1	4.352	2	6.722	0	2242	49	2.0
3612.8	10000	38.2891	94.7779	-505	PKC	4.8	2	8.6	-1	1.0	-1	0.688	1	4.455	2	6.352	0	2262	47	2.0
3612.9	10000	38.2891	94.7772	-504	PKC	4.8	2	8.6	-1	1.0	-1	0.667	1	4.467	2	6.455	0	2268	46	2.0
3613.0	10000	38.2891	94.7764	-504	PKC	4.8	2	8.6	-1	1.0	-1	0.674	1	4.435	2	6.467	0	2285	32	2.0
3613.1	10000	38.2891	94.7757	-504	PKC	4.8	2	8.6	-1	1.0	-1	0.688	1	4.488	2	6.526	0	2288	36	2.0
3613.2	10000	38.2891	94.7750	-504	PKC	4.8	2	8.6	-1	1.0	-1	0.691	1	4.499	2	6.435	0	2302	39	2.0
3613.3	10000	38.2891	94.7743	-504	PKC	4.8	2	8.6	-1	1.0	-1	0.519	1	4.208	2	6.488	0	2302	39	2.0
3613.4	10000	38.2891	94.7736	-504	PKC	4.8	2	8.6	-1	1.0	-1	0.519	1	4.208	2	6.488	0	2302	39	2.0
3613.5	10000	38.2891	94.7728	-504	PKC	4.8	2	8.6	-1	1.0	-1	0.519	1	4.208	2	6.488	0	2302	39	2.0
3613.6	10000	38.2891	94.7721	-504	PKC	4.8	2	8.6	-1	1.0	-1	0.519	1	4.208	2	6.488	0	2302	39	2.0

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3613.7	10000	38.2891	94.7714	-504	PKC	4.1	2	8.2	-1	1.0	-1	0.505	2	4.094	2	8.102	0	2149	48	2.2
3613.8	10000	38.2891	94.7707	-503	PKC	3.7	1	8.2	-1	1.0	-1	0.455	1	3.671	1	8.069	0	2122	44	2.2
3613.9	10000	38.2891	94.7700	-503	PKC	3.6	1	8.0	-1	1.0	-1	0.455	1	3.810	1	8.372	0	2086	47	2.2
3614.0	10000	38.2891	94.7692	-503	PKC	3.9	1	7.9	-1	0.9	-1	0.492	2	4.158	2	8.454	0	2020	45	2.2
3614.1	10000	38.2891	94.7685	-503	PKC	3.6	1	7.5	-1	0.9	-1	0.478	1	3.957	1	8.279	0	1952	35	2.2
3614.2	10000	38.2891	94.7678	-503	PKC	3.5	0	7.1	-2	0.9	-1	0.495	2	4.015	1	8.109	0	1906	42	2.2
3614.3	10000	38.2891	94.7671	-503	PKC	3.6	1	6.8	-2	0.8	-2	0.532	2	4.469	2	8.406	0	1847	45	2.2
3614.4	10000	38.2891	94.7664	-503	PKC	3.7	1	6.5	-2	0.8	-2	0.561	3	4.653	2	8.298	0	1808	49	2.2
3614.5	10000	38.2891	94.7656	-503	PKC	3.7	1	6.3	-2	0.8	-2	0.588	3	4.966	3	8.440	0	1774	46	2.2
3614.6	10000	38.2890	94.7649	-503	PKC	3.7	1	6.1	-2	0.8	-2	0.606	3	4.932	3	8.132	0	1770	40	2.3
3614.7	10000	38.2891	94.7642	-503	PKC	3.6	1	5.7	-2	0.7	-2	0.626	3	4.768	3	7.619	-1	1774	43	2.3
3614.8	10000	38.2891	94.7635	-502	PKC	3.4	0	6.0	-2	0.8	-2	0.558	2	4.256	2	7.631	-1	1790	40	2.3
3614.9	10000	38.2890	94.7628	-502	PKC	3.3	0	6.1	-2	0.8	-2	0.541	2	3.924	1	7.251	-1	1806	50	2.3
3615.0	10000	38.2891	94.7620	-502	PKC	3.3	0	6.3	-2	0.8	-2	0.523	2	4.073	2	7.791	0	1834	39	2.3
3615.1	10000	38.2890	94.7613	-502	PKC	3.2	0	6.8	-2	0.9	-1	0.477	1	3.716	1	7.786	0	1864	56	2.3
3615.2	10000	38.2890	94.7606	-501	PKC	3.4	0	7.0	-2	0.9	-1	0.491	2	3.931	2	8.008	0	1910	44	2.3
3615.3	10000	38.2890	94.7599	-501	PKC	3.9	1	7.2	-2	0.9	-2	0.551	2	4.577	2	8.310	0	1946	53	2.3
3615.4	10000	38.2890	94.7591	-501	PP	3.9	1	7.9	-1	0.9	-1	0.494	2	4.327	2	8.758	0	2015	32	2.4
3615.5	10000	38.2890	94.7584	-500	PP	4.3	2	7.8	-1	0.9	-1	0.554	2	4.805	2	8.677	0	2067	47	2.4
3615.6	10000	38.2890	94.7577	-499	PP	4.3	2	8.1	-1	1.0	-1	0.530	2	4.743	2	8.950	1	2096	47	2.4
3615.7	10000	38.2890	94.7570	-498	PP	4.5	2	8.2	-1	1.0	-1	0.548	2	4.665	2	8.513	0	2124	53	2.4
3615.8	10000	38.2890	94.7563	-497	PP	4.5	2	8.1	-1	1.0	-1	0.552	2	4.666	2	8.461	0	2136	45	2.4
3615.9	10000	38.2890	94.7555	-496	PP	4.4	2	8.0	-1	1.0	-1	0.539	2	4.382	2	8.133	0	2136	46	2.4
3616.0	10000	38.2890	94.7548	-495	PP	4.4	2	8.0	-1	1.0	0	0.505	2	4.160	2	8.234	0	2152	33	2.4
3616.1	10000	38.2890	94.7541	-494	PP	4.3	2	8.0	-1	1.0	0	0.514	2	4.088	1	7.953	0	2140	51	2.5
3616.2	10000	38.2890	94.7534	-492	PP	3.8	1	8.0	-1	1.1	0	0.433	1	3.397	0	7.839	0	2124	33	2.5
3616.3	10000	38.2890	94.7526	-491	PP	3.6	1	8.0	-1	1.1	0	0.398	1	3.223	0	8.100	0	2126	49	2.5
3616.4	10000	38.2890	94.7519	-490	PP	3.3	1	8.0	-1	1.1	0	0.366	1	2.924	0	8.001	0	2121	43	2.5
3616.5	10000	38.2889	94.7512	-488	PP	3.3	1	8.0	-1	1.1	0	0.387	1	3.138	0	8.117	0	2110	40	2.5
3616.6	10000	38.2889	94.7504	-487	PP	3.3	1	8.0	-1	1.1	0	0.380	1	3.087	0	8.116	0	2085	42	2.5
3616.7	10000	38.2889	94.7497	-485	PP	3.3	1	8.0	-1	1.1	0	0.353	1	2.838	0	8.029	0	1994	45	2.5
3616.8	10000	38.2889	94.7490	-483	QAL	3.3	1	8.0	-1	1.1	0	0.372	1	2.921	0	7.851	0	1865	44	2.5
3616.9	10000	38.2889	94.7482	-481	QAL	3.3	1	8.0	-1	1.1	0	0.453	1	3.507	0	7.742	0	1714	51	2.6
3617.0	10000	38.2889	94.7475	-479	QAL	3.3	1	8.0	-1	1.1	0	0.562	2	4.425	1	7.875	0	1544	46	2.6
3617.1	10000	38.2889	94.7468	-477	QAL	3.3	1	8.0	-1	1.1	0	0.609	2	5.607	1	9.201	0	1359	41	2.6
3617.2	10000	38.2888	94.7460	-475	WATER	2.2	1	8.0	-1	1.1	0	0.699	999	6.618	999	9.465	0	1183	42	2.6
3617.3	10000	38.2888	94.7453	-473	WATER	2.1	1	8.0	-1	1.1	0	0.885	999	6.663	999	9.918	0	1022	35	2.6
3617.4	10100	38.2888	94.7446	-471	WATER	1.9	1	8.0	-1	1.1	0	1.132	999	0.000	999	10.000	0	897	51	2.6
3617.5	10100	38.2888	94.7439	-468	WATER	1.8	1	8.0	-1	1.1	0	1.207	999	0.000	999	10.000	0	818	40	2.6
3617.6	10100	38.2888	94.7431	-466	WATER	1.9	1	8.0	-1	1.1	0	1.168	999	0.000	999	10.000	0	785	32	2.6
3617.7	10100	38.2888	94.7424	-464	WATER	1.9	1	8.0	-1	1.1	0	1.581	999	0.000	999	10.000	0	769	52	2.6
3617.8	10100	38.2887	94.7417	-462	WATER	2.0	1	8.0	-1	1.1	0	1.779	999	0.000	999	10.000	0	777	40	2.7
3617.9	10100	38.2887	94.7409	-459	WATER	2.1	1	8.0	-1	1.1	0	1.787	999	0.000	999	10.000	0	778	59	2.7
3618.0	10100	38.2887	94.7402	-457	WATER	2.1	1	8.0	-1	1.1	0	1.809	999	0.000	999	10.000	0	789	42	2.7
3618.1	10100	38.2887	94.7395	-455	WATER	2.2	1	8.0	-1	1.1	0	1.561	999	0.000	999	10.000	0	830	51	2.7
3618.2	10100	38.2887	94.7387	-453	WATER	2.2	1	8.0	-1	1.1	0	1.307	999	0.000	999	10.000	0	882	43	2.7
3618.3	10100	38.2887	94.7380	-450	WATER	2.2	1	8.0	-1	1.1	0	1.155	999	0.000	999	10.000	0	977	39	2.7
3618.4	10000	38.2887	94.7373	-448	WATER	2.2	1	8.0	-1	1.1	0	1.383	999	0.000	999	11.275	0	1126	41	2.7
3618.5	10000	38.2886	94.7365	-447	WATER	2.2	1	8.0	-1	1.1	0	1.643	999	0.000	999	11.374	0	1298	46	2.7
3618.6	10000	38.2886	94.7358	-444	WATER	2.2	1	8.0	-1	1.1	0	1.552	999	0.000	999	11.374	0	1505	51	2.7
3618.7	10000	38.2886	94.7351	-443	WATER	2.2	1	8.0	-1	1.1	0	1.456	999	0.000	999	11.374	0	1693	55	2.7
3618.8	10000	38.2886	94.7344	-441	WATER	2.2	1	8.0	-1	1.1	0	1.364	999	0.000	999	11.374	0	1878	46	2.7

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3618.9	10000	38.2886	94.7336	-440	QAL	2.8	0	9.0	0	1.2	0	0.316	0	2.379	0	7.534	0	2071	38	2.7
3619.0	10000	38.2886	94.7329	-438	QAL	2.9	0	9.8	0	1.3	0	0.293	-1	2.218	0	7.569	0	2186	43	2.7
3619.1	10000	38.2885	94.7322	-437	QAL	2.8	-1	10.0	1	1.3	0	0.275	-1	2.065	-1	7.500	0	2227	39	2.7
3619.2	10000	38.2885	94.7314	-436	QAL	2.8	-1	10.5	1	1.3	0	0.263	-1	2.169	-1	8.248	0	2232	40	2.7
3619.3	10000	38.2885	94.7307	-435	QAL	2.7	-1	10.1	1	1.2	0	0.271	-1	2.227	0	8.208	0	2192	53	2.7
3619.4	10000	38.2885	94.7300	-433	QAL	2.6	-1	9.7	0	1.2	0	0.268	-1	2.088	-1	7.790	0	2159	37	2.7
3619.5	10000	38.2885	94.7292	-433	QAL	2.7	-1	8.6	-1	1.2	0	0.315	0	2.303	0	7.317	0	2105	41	2.7
3619.6	10000	38.2885	94.7285	-432	QAL	2.8	0	8.1	-1	1.1	0	0.348	0	2.501	0	7.190	0	2025	49	2.7
3619.7	10000	38.2884	94.7278	-430	QAL	2.6	-1	7.5	-1	1.1	0	0.345	0	2.276	0	6.604	-1	1969	46	2.7
3619.8	10000	38.2884	94.7271	-430	QAL	2.6	-1	7.2	-2	1.1	-1	0.357	0	2.391	0	6.702	-1	1948	48	2.7
3619.9	10000	38.2884	94.7263	-429	QAL	2.6	-1	6.7	-2	1.1	-1	0.393	1	2.423	0	6.171	-1	1936	35	2.7
3620.0	10000	38.2884	94.7256	-428	QAL	2.5	-1	6.9	-2	1.1	-1	0.360	0	2.242	0	6.221	-1	1945	36	2.7
3620.1	10000	38.2884	94.7249	-427	QAL	2.7	-1	7.4	-1	1.1	-1	0.361	0	2.448	0	6.774	-1	1976	43	2.7
3620.2	10000	38.2884	94.7241	-426	QAL	2.6	-1	7.8	-1	1.1	-1	0.332	0	2.343	0	7.063	0	1991	40	2.7
3620.3	10000	38.2883	94.7234	-426	QAL	2.7	-1	8.4	-1	1.1	-1	0.322	0	2.428	0	7.536	0	2033	60	2.7
3620.4	10000	38.2883	94.7227	-425	QAL	2.1	0	8.8	0	1.1	0	0.349	0	2.733	0	7.825	0	2091	53	2.7
3620.5	10000	38.2883	94.7219	-424	QAL	2.2	0	9.7	0	1.2	0	0.333	0	2.762	0	8.305	0	2132	45	2.7
3620.6	10000	38.2883	94.7212	-424	QAL	2.1	0	10.1	1	1.2	0	0.302	-1	2.507	0	8.291	0	2178	40	2.7
3620.7	10000	38.2883	94.7205	-423	QAL	2.1	0	10.3	1	1.2	0	0.305	0	2.615	0	8.589	1	2210	39	2.7
3620.8	10000	38.2883	94.7197	-423	QAL	2.4	1	9.9	1	1.3	0	0.340	0	2.659	0	7.830	0	2230	38	2.7
3620.9	10000	38.2882	94.7190	-423	QAL	2.4	1	10.4	1	1.3	0	0.324	0	2.558	0	7.884	0	2262	52	2.7
3621.0	10000	38.2882	94.7183	-422	QAL	2.3	0	10.2	1	1.3	0	0.321	0	2.373	0	7.395	0	2297	53	2.7
3621.1	10000	38.2882	94.7175	-422	QAL	2.0	0	10.5	1	1.4	0	0.290	-1	2.173	-1	7.506	0	2314	50	2.7
3621.2	10000	38.2882	94.7168	-422	QAL	2.0	0	10.2	1	1.4	0	0.290	-1	2.064	-1	7.117	0	2332	42	2.7
3621.3	10000	38.2882	94.7161	-422	QAL	2.2	0	9.9	1	1.5	0	0.322	0	2.186	-1	6.788	-1	2351	47	2.7
3621.4	10000	38.2882	94.7153	-421	QAL	2.1	0	10.3	1	1.5	0	0.305	0	2.129	-1	6.988	0	2363	37	2.7
3621.5	10000	38.2881	94.7146	-421	QAL	2.0	0	10.5	1	1.4	0	0.288	-1	2.081	-1	7.231	0	2363	35	2.7
3621.6	10000	38.2881	94.7139	-421	QAL	2.2	0	10.6	1	1.4	0	0.310	0	2.299	0	7.408	0	2362	50	2.7
3621.7	10000	38.2881	94.7132	-420	QAL	2.2	0	10.5	1	1.4	0	0.297	0	2.195	0	7.390	0	2333	49	2.7
3621.8	10000	38.2881	94.7124	-419	QAL	2.2	0	10.4	1	1.4	0	0.294	0	2.190	0	7.454	0	2305	47	2.7
3621.9	10000	38.2881	94.7117	-418	QAL	2.2	0	10.2	1	1.4	0	0.307	0	2.511	0	7.607	0	2290	46	2.7
3622.0	10000	38.2880	94.7110	-416	QAL	2.2	0	10.0	1	1.4	0	0.289	0	2.557	0	7.316	0	2266	50	2.7
3622.1	10000	38.2880	94.7102	-416	QAL	2.2	0	9.9	1	1.4	0	0.288	-1	2.348	0	7.135	0	2260	41	2.7
3622.2	10000	38.2880	94.7095	-416	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.257	0	7.751	0	2247	40	2.7
3622.3	10000	38.2880	94.7088	-415	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.231	0	7.546	0	2249	45	2.7
3622.4	10000	38.2880	94.7080	-413	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.291	0	7.791	0	2255	57	2.7
3622.5	10000	38.2880	94.7073	-412	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.690	0	8.030	0	2238	59	2.7
3622.6	10000	38.2879	94.7066	-411	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.446	0	7.122	0	2191	48	2.7
3622.7	10000	38.2879	94.7058	-411	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.361	0	7.423	0	2151	53	2.7
3622.8	10000	38.2879	94.7051	-410	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.292	0	7.055	0	2118	55	2.7
3622.9	10000	38.2879	94.7044	-409	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.365	0	7.138	0	2088	55	2.7
3623.0	10000	38.2879	94.7036	-407	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.458	0	7.042	0	2052	54	2.7
3623.1	10000	38.2879	94.7029	-406	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.411	0	7.005	0	2021	51	2.7
3623.2	10000	38.2879	94.7022	-404	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.332	0	6.955	0	1988	35	2.7
3623.3	10000	38.2878	94.7015	-402	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.337	0	6.886	0	1952	48	2.7
3623.4	10000	38.2878	94.7007	-400	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.337	0	6.853	0	1939	39	2.7
3623.5	10000	38.2878	94.7000	-399	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.337	0	6.853	0	1940	46	2.7
3623.6	10000	38.2878	94.6998	-397	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.337	0	6.853	0	1946	49	2.7
3623.7	10000	38.2878	94.6997	-396	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.337	0	6.853	0	1955	55	2.7
3623.8	10000	38.2878	94.6971	-394	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.337	0	6.853	0	1954	54	2.7
3623.9	10000	38.2877	94.6963	-392	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.337	0	6.853	0	1955	55	2.7
3624.0	10000	38.2877	94.6956	-391	QAL	2.2	0	9.8	1	1.4	0	0.288	-1	2.337	0	6.853	0	1955	55	2.7

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3624.1	10000	38.2877	94.6956	-390	QAL	2.8	-1	9.9	0	1.2	0	0.280	-1	2.336	0	8.334	0	2137	54	2.4
3624.2	10000	38.2877	94.6949	-388	QAL	2.8	0	9.6	0	1.1	0	0.295	-1	2.482	0	8.414	1	2153	42	2.4
3624.3	10000	38.2877	94.6942	-387	QAL	3.0	0	10.0	1	1.1	-1	0.302	-1	2.754	0	9.128	1	2162	52	2.4
3624.4	10000	38.2877	94.6934	-385	QAL	2.9	0	9.8	0	1.1	-1	0.328	0	2.939	1	8.968	1	2169	50	2.4
3624.5	10000	38.2877	94.6927	-383	QAL	3.3	0	9.5	0	1.1	-1	0.350	0	3.069	1	8.762	1	2189	48	2.4
3624.6	10000	38.2876	94.6920	-381	QAL	3.4	1	9.8	0	1.1	-1	0.348	0	3.217	1	9.256	1	2203	43	2.4
3624.7	10000	38.2876	94.6912	-379	QAL	3.8	1	10.2	1	1.0	-1	0.371	1	3.608	2	9.714	1	2236	49	2.4
3624.8	10000	38.2876	94.6905	-377	QAL	3.6	1	9.9	1	1.1	-1	0.368	0	3.368	1	9.146	1	2249	38	2.4
3624.9	10000	38.2876	94.6898	-375	QAL	3.8	1	10.2	1	1.1	0	0.372	1	3.322	1	8.942	1	2271	44	2.4
3625.0	10000	38.2876	94.6890	-373	QAL	3.8	1	9.8	0	1.2	0	0.388	1	3.200	1	8.253	0	2289	45	2.4
3625.1	10000	38.2876	94.6883	-373	QAL	3.8	1	9.9	1	1.2	0	0.385	1	3.127	1	8.125	0	2300	33	2.4
3625.2	10000	38.2875	94.6876	-372	QAL	3.8	1	10.2	1	1.2	0	0.374	1	3.122	1	8.348	0	2295	44	2.4
3625.3	10000	38.2875	94.6868	-372	QAL	3.8	1	10.3	1	1.2	0	0.371	1	3.106	1	8.378	1	2300	35	2.3
3625.4	10000	38.2875	94.6861	-373	QAL	3.6	1	10.4	1	1.2	0	0.347	0	2.964	1	8.540	1	2292	48	2.3
3625.5	10000	38.2875	94.6854	-374	QAL	3.7	1	10.6	1	1.2	0	0.346	0	3.156	1	9.119	1	2272	50	2.3
3625.6	10000	38.2875	94.6846	-376	QAL	3.6	1	10.8	1	1.1	-1	0.336	0	3.267	1	9.736	1	2257	36	2.3
3625.7	10000	38.2875	94.6839	-378	QAL	3.5	1	11.4	2	1.1	-1	0.307	0	3.262	1	10.611	2	2247	47	2.3
3625.8	10000	38.2874	94.6832	-380	QAL	3.5	1	11.1	1	1.0	-1	0.320	0	3.427	1	10.714	2	2237	36	2.3
3625.9	10000	38.2874	94.6824	-383	QAL	3.7	1	11.2	2	1.0	-1	0.327	0	3.619	2	11.070	2	2218	46	2.3
3626.0	10000	38.2874	94.6817	-387	PP	3.9	1	10.7	1	1.0	-1	0.365	0	3.800	1	10.421	2	2217	49	2.3
3626.1	10000	38.2874	94.6810	-389	PP	4.0	1	10.2	1	1.0	-1	0.394	0	4.047	1	10.282	2	2197	47	2.3
3626.2	10000	38.2874	94.6803	-392	PP	4.2	2	10.0	1	1.0	-1	0.427	1	4.188	2	9.819	1	2189	54	2.3
3626.3	10000	38.2874	94.6795	-396	PP	4.4	2	9.9	1	1.0	-1	0.447	1	4.343	2	9.714	1	2188	62	2.3
3626.4	10000	38.2873	94.6788	-399	PP	4.3	2	9.3	0	1.0	-1	0.457	1	4.294	2	9.393	1	2176	44	2.3
3626.5	10000	38.2873	94.6781	-401	PP	3.9	1	9.8	1	1.0	-1	0.400	0	4.020	1	10.045	1	2161	47	2.3
3626.6	10000	38.2873	94.6773	-404	PP	4.1	1	9.7	1	1.0	-1	0.418	0	4.048	1	9.673	1	2157	59	2.3
3626.7	10000	38.2873	94.6766	-406	PP	4.7	1	10.2	1	1.0	-1	0.463	0	4.864	1	10.645	1	2124	50	2.3
3626.8	10000	38.2873	94.6759	-407	PP	4.6	1	9.9	1	1.1	-1	0.363	0	3.552	1	9.829	1	2101	41	2.3
3626.9	10000	38.2873	94.6751	-409	PP	4.1	1	9.8	1	1.1	-1	0.361	0	3.424	1	10.062	1	2108	44	2.3
3627.0	10000	38.2872	94.6744	-411	PP	4.3	1	9.9	1	1.1	-1	0.340	0	3.091	1	9.462	1	2086	43	2.3
3627.1	10000	38.2872	94.6737	-413	PP	4.4	1	9.9	1	1.1	-1	0.327	0	3.087	1	9.107	1	2065	56	2.3
3627.2	10000	38.2872	94.6729	-414	PP	4.3	1	9.8	1	1.1	-1	0.339	0	3.078	1	8.713	1	2064	39	2.3
3627.3	10000	38.2872	94.6722	-414	PP	4.2	1	9.8	1	1.1	-1	0.353	0	2.961	1	8.779	1	2064	49	2.3
3627.4	10000	38.2872	94.6715	-415	PP	4.3	1	9.8	1	1.1	-1	0.337	0	3.002	1	8.518	1	2081	49	2.3
3627.5	10000	38.2872	94.6707	-415	PP	4.3	1	9.8	1	1.1	-1	0.352	0	3.216	1	9.111	1	2103	42	2.3
3627.6	10000	38.2871	94.6700	-414	PP	4.3	1	9.8	1	1.1	-1	0.353	0	3.043	1	9.014	1	2103	42	2.3
3627.7	10000	38.2871	94.6693	-413	PP	4.5	1	9.8	1	1.1	-1	0.338	0	3.344	1	9.545	1	2111	36	2.3
3627.8	10000	38.2871	94.6686	-412	PP	4.5	1	9.8	1	1.1	-1	0.350	0	3.422	1	9.878	1	2113	48	2.3
3627.9	10000	38.2871	94.6678	-411	PP	4.5	1	9.8	1	1.1	-1	0.346	0	3.646	1	9.214	1	2103	56	2.3
3628.0	10000	38.2871	94.6671	-410	PP	4.5	1	9.8	1	1.1	-1	0.357	0	3.456	1	9.768	1	2101	50	2.3
3628.1	10000	38.2871	94.6664	-409	PP	4.5	1	9.8	1	1.1	-1	0.354	0	3.281	1	9.603	1	2088	41	2.3
3628.2	10000	38.2870	94.6656	-408	PP	4.5	1	9.8	1	1.1	-1	0.342	0	3.859	1	9.374	1	2081	39	2.3
3628.3	10000	38.2870	94.6649	-406	PP	4.5	1	9.8	1	1.1	-1	0.305	0	3.588	1	9.183	1	2094	41	2.3
3628.4	10000	38.2870	94.6642	-405	PP	4.5	1	9.8	1	1.1	-1	0.327	0	3.756	1	9.656	1	2106	34	2.3
3628.5	10000	38.2870	94.6634	-403	PP	4.5	1	9.8	1	1.1	-1	0.288	0	3.796	1	9.399	1	2121	47	2.3
3628.6	10000	38.2870	94.6627	-402	PP	4.5	1	9.8	1	1.1	-1	0.324	0	3.800	1	9.009	1	2123	52	2.3
3628.7	10000	38.2870	94.6620	-401	PP	4.5	1	9.8	1	1.1	-1	0.326	0	3.727	1	8.666	1	2133	55	2.3
3628.8	10000	38.2869	94.6612	-399	PP	4.5	1	9.8	1	1.1	-1	0.326	0	3.888	1	8.864	1	2134	37	2.3
3628.9	10000	38.2869	94.6605	-398	PP	4.5	1	9.8	1	1.1	-1	0.326	0	3.965	1	9.907	1	2133	40	2.3
3629.0	10000	38.2869	94.6598	-397	PP	4.5	1	9.8	1	1.1	-1	0.326	0	3.704	1	9.704	1	2123	40	2.3
3629.1	10000	38.2869	94.6591	-396	PP	4.5	1	9.8	1	1.1	-1	0.326	0	3.355	1	7.033	1	2101	46	2.3
3629.2	10000	38.2869	94.6583	-395	PP	4.5	1	9.8	1	1.1	-1	0.326	0	3.126	1	7.126	1	2076	46	2.3

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3629.3	10000	38.2868	94.6576	-394	PP	2.9	-1	8.6	0	1.2	0	0.331	0	2.439	-1	7.363	-1	2060	40	2.4
3629.4	10000	38.2868	94.6569	-395	PP	2.9	-1	8.7	0	1.1	0	0.332	0	2.598	-1	7.823	0	2052	43	2.4
3629.5	10000	38.2868	94.6561	-395	PP	3.0	-1	9.3	0	1.0	0	0.320	-1	2.892	0	9.023	1	2049	36	2.4
3629.6	10000	38.2868	94.6554	-395	PP	2.8	-1	9.5	0	1.0	-1	0.295	-1	2.894	0	9.824	1	2047	45	2.4
3629.7	10000	38.2868	94.6547	-395	PP	3.0	-1	9.7	1	0.9	-1	0.305	-1	3.348	0	10.961	2	2029	53	2.4
3629.8	10000	38.2868	94.6539	-395	PP	3.0	-1	9.6	0	0.9	-1	0.317	-1	3.385	0	10.675	2	2045	37	2.4
3629.9	10000	38.2868	94.6532	-395	PP	3.2	0	9.6	0	0.9	-1	0.338	0	3.514	0	10.398	2	2084	51	2.4
3630.0	10000	38.2867	94.6525	-394	PP	3.4	0	10.0	1	1.0	-1	0.336	0	3.375	0	10.031	1	2119	56	2.4
3630.1	10000	38.2867	94.6517	-394	PP	3.3	0	10.2	1	1.1	-1	0.325	-1	3.234	0	9.943	1	2140	44	2.4
3630.2	10000	38.2867	94.6510	-394	PP	3.4	0	10.4	1	1.1	0	0.313	-1	3.031	0	9.676	1	2177	46	2.4
3630.3	10000	38.2867	94.6503	-394	PP	3.5	0	9.7	1	1.1	0	0.362	0	3.117	0	8.604	1	2197	44	2.4
3630.4	10000	38.2867	94.6496	-394	PM	3.5	0	10.0	1	1.2	0	0.352	0	2.996	0	8.503	0	2226	45	2.4
3630.5	10000	38.2867	94.6488	-394	PM	3.5	0	10.0	1	1.2	0	0.349	0	2.880	0	8.260	0	2240	39	2.4
3630.6	10000	38.2866	94.6481	-394	PM	3.4	0	10.3	1	1.1	0	0.333	0	3.015	0	9.060	0	2259	43	2.4
3630.7	10000	38.2866	94.6474	-394	PM	3.5	0	10.3	1	1.1	0	0.339	0	3.063	0	9.037	0	2285	42	2.5
3630.8	10000	38.2866	94.6466	-394	PM	3.3	0	10.3	1	1.1	0	0.315	-1	2.899	0	9.192	0	2283	63	2.5
3630.9	10000	38.2866	94.6459	-394	PM	3.5	0	10.1	1	1.1	0	0.342	0	3.114	0	9.097	0	2281	33	2.5
3631.0	10000	38.2866	94.6452	-395	PM	3.3	0	10.9	1	1.1	0	0.301	-1	2.951	0	9.814	1	2289	43	2.5
3631.1	10000	38.2865	94.6444	-395	PM	3.0	-1	10.6	1	1.1	0	0.281	-1	2.722	-1	9.679	1	2291	46	2.5
3631.2	10000	38.2865	94.6437	-395	PM	3.1	-1	11.1	2	1.1	0	0.271	-1	2.841	0	10.481	1	2287	56	2.5
3631.3	10000	38.2865	94.6430	-396	PM	3.0	0	10.9	1	1.1	0	0.283	-1	2.791	0	9.868	1	2266	44	2.5
3631.4	10000	38.2865	94.6422	-396	PP	2.9	-1	10.9	1	1.1	0	0.270	-1	2.633	-1	9.764	1	2260	54	2.5
3631.5	10000	38.2865	94.6415	-396	PP	3.2	0	10.9	1	1.2	0	0.292	-1	2.741	0	9.376	1	2265	43	2.5
3631.6	10000	38.2865	94.6408	-396	PP	2.9	-1	10.8	1	1.2	0	0.271	-1	2.472	-1	9.123	1	2258	45	2.5
3631.7	10000	38.2865	94.6400	-396	PP	2.8	-1	10.5	1	1.2	1	0.268	-1	2.291	-1	8.541	0	2249	45	2.5
3631.8	10000	38.2865	94.6393	-396	PP	2.8	-1	10.6	1	1.3	1	0.266	-1	2.164	-1	8.138	0	2239	44	2.5
3631.9	10000	38.2865	94.6386	-395	PP	2.8	-1	10.5	1	1.3	1	0.264	-1	2.085	-1	7.883	0	2226	36	2.5
3632.0	10000	38.2865	94.6378	-396	PP	2.7	-1	10.5	1	1.3	1	0.261	-1	2.080	-1	7.977	0	2202	51	2.5
3632.1	10000	38.2865	94.6371	-396	PP	2.7	-1	10.5	1	1.3	1	0.255	-1	2.093	-1	8.198	0	2164	54	2.5
3632.2	10000	38.2865	94.6364	-396	PP	2.3	-2	10.7	1	1.2	1	0.215	-2	1.846	-2	8.588	0	2122	48	2.6
3632.3	10000	38.2865	94.6356	-396	PP	2.7	-1	10.8	1	1.2	1	0.249	-2	2.003	-2	8.873	0	2085	52	2.6
3632.4	10000	38.2865	94.6349	-396	PP	2.9	-1	10.4	0	1.2	1	0.278	-2	2.465	-1	8.873	0	2059	50	2.6
3632.5	10000	38.2865	94.6342	-396	PP	3.0	-1	10.0	0	1.2	1	0.304	-2	2.797	-1	9.187	0	2039	44	2.6
3632.6	10000	38.2866	94.6334	-396	PP	2.9	-1	9.8	0	1.1	1	0.343	-2	3.049	-1	8.893	0	2016	48	2.6
3632.7	10000	38.2866	94.6327	-396	PM	2.9	-1	9.8	0	1.1	1	0.343	-2	2.975	-1	8.679	0	2003	40	2.6
3632.8	10000	38.2866	94.6319	-397	PM	3.2	0	9.8	0	1.1	1	0.366	-2	3.153	-1	8.623	0	1980	50	2.6
3632.9	10000	38.2866	94.6312	-397	PM	3.2	0	9.8	0	1.1	1	0.442	-2	3.575	-1	8.079	-1	1956	49	2.6
3633.0	10000	38.2866	94.6305	-398	PM	3.5	0	9.8	0	1.1	1	0.468	-2	3.678	-1	7.864	0	1947	41	2.6
3633.1	10000	38.2866	94.6297	-399	PM	3.5	0	9.9	0	1.1	1	0.442	-2	3.669	-1	8.297	0	1935	43	2.6
3633.2	10000	38.2866	94.6290	-400	PM	3.4	0	9.7	0	1.1	1	0.425	-2	3.441	-1	8.138	0	1929	44	2.6
3633.3	10000	38.2866	94.6283	-402	PM	3.5	0	9.5	0	1.1	1	0.449	-2	3.552	-1	8.362	0	1903	40	2.6
3633.4	10000	38.2866	94.6275	-403	PM	3.5	0	9.2	0	1.1	1	0.468	-2	3.616	-1	8.060	0	1889	40	2.6
3633.5	10000	38.2866	94.6268	-405	PM	3.5	0	9.1	0	1.1	1	0.440	-2	3.680	-1	8.865	0	1862	37	2.6
3633.6	10000	38.2866	94.6261	-406	PM	3.5	0	9.0	0	1.1	1	0.428	-2	3.605	-1	8.185	0	1850	45	2.6
3633.7	10000	38.2867	94.6253	-408	PM	3.5	0	8.9	0	1.1	1	0.389	-2	3.642	-1	9.512	0	1827	44	2.6
3633.8	10000	38.2867	94.6246	-411	PM	3.5	0	8.8	0	1.1	1	0.399	-2	3.417	-1	8.779	0	1807	41	2.6
3633.9	10000	38.2867	94.6238	-413	PM	3.5	0	8.8	0	1.1	1	0.397	-2	3.570	-1	8.943	0	1792	37	2.6
3634.0	10000	38.2867	94.6231	-415	PP	3.5	0	8.8	0	1.1	1	0.388	-2	3.555	-1	8.964	0	1803	39	2.6
3634.1	10000	38.2867	94.6224	-418	PP	3.5	0	8.8	0	1.1	1	0.357	-2	3.751	-1	8.677	0	1798	37	2.6
3634.2	10000	38.2867	94.6216	-420	PP	3.5	0	8.8	0	1.1	1	0.345	-2	3.434	-1	8.616	0	1821	37	2.6
3634.3	10000	38.2867	94.6209	-423	PP	3.5	0	8.8	0	1.1	1	0.332	-2	3.494	-1	8.611	0	1846	57	2.6
3634.4	10000	38.2867	94.6201	-424	PP	3.5	0	8.8	0	1.1	1	0.332	-2	3.317	-1	8.979	0	1887	43	2.5

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3634.5	10000	38.2867	94.6194	-426	PP	3.2	0	8.9	0	0.9	-1	0.354	0	3.406	1	9.619	1	1936	39	2.5
3634.6	10000	38.2867	94.6187	-432	PP	3.2	0	9.5	0	1.0	-1	0.341	0	3.362	0	9.852	1	1988	36	2.5
3634.7	10000	38.2867	94.6180	-435	PP	3.2	0	9.7	0	1.0	-1	0.330	0	3.160	0	9.582	1	2030	46	2.5
3634.8	10000	38.2867	94.6172	-437	PP	3.1	0	10.0	1	1.1	0	0.309	-1	2.741	0	8.880	0	2096	45	2.5
3634.9	10000	38.2867	94.6165	-440	PP	3.2	0	9.9	1	1.2	0	0.324	-1	2.731	0	8.434	0	2168	41	2.5
3635.0	10000	38.2868	94.6157	-443	PP	3.4	0	10.1	1	1.3	1	0.339	0	2.734	0	8.075	0	2231	54	2.5
3635.1	10000	38.2868	94.6150	-445	PP	3.5	0	10.2	1	1.3	1	0.347	0	2.738	0	7.881	0	2261	54	2.5
3635.2	10000	38.2868	94.6143	-447	PP	3.4	0	10.6	1	1.4	2	0.319	-1	2.436	-1	7.647	0	2292	46	2.5
3635.3	10000	38.2868	94.6135	-448	PP	3.4	0	10.2	1	1.4	2	0.329	0	2.331	-1	7.089	-1	2315	46	2.5
3635.4	10000	38.2868	94.6128	-449	PP	3.4	0	10.4	1	1.5	2	0.323	-1	2.281	-1	7.056	-1	2342	44	2.5
3635.5	10000	38.2868	94.6121	-452	PP	3.5	0	10.0	1	1.4	2	0.351	0	2.492	-1	7.091	-1	2347	46	2.5
3635.6	10000	38.2868	94.6113	-453	PP	3.9	1	10.6	1	1.4	2	0.367	0	2.743	0	7.485	-1	2348	43	2.5
3635.7	10000	38.2868	94.6106	-454	PP	3.7	1	10.4	1	1.4	2	0.357	0	2.596	-1	7.280	-1	2341	47	2.5
3635.8	10000	38.2868	94.6098	-455	PP	3.6	1	10.7	1	1.4	2	0.334	-1	2.580	-1	7.724	0	2346	46	2.5
3635.9	10000	38.2868	94.6091	-456	PP	4.1	1	10.8	1	1.3	1	0.375	0	3.084	0	8.234	0	2357	33	2.4
3636.0	10000	38.2868	94.6084	-457	PP	4.1	1	11.0	2	1.3	1	0.369	0	3.098	0	8.393	0	2356	54	2.4
3636.1	10000	38.2868	94.6076	-457	PP	4.1	1	11.2	2	1.3	1	0.364	0	3.184	0	8.748	0	2364	52	2.4
3636.2	10000	38.2869	94.6069	-458	PP	3.9	1	11.6	2	1.3	1	0.340	0	3.069	0	9.040	1	2366	47	2.4
3636.3	10000	38.2869	94.6062	-458	PP	3.8	1	11.2	2	1.2	0	0.340	0	3.175	0	9.344	1	2346	48	2.4
3636.4	10000	38.2869	94.6054	-459	PP	3.8	1	11.5	2	1.1	0	0.333	0	3.399	0	10.242	1	2323	52	2.4
3636.5	10000	38.2869	94.6047	-460	PP	3.9	1	11.3	2	1.1	0	0.343	0	3.471	1	10.116	1	2315	44	2.4
3636.6	10000	38.2869	94.6040	-460	PP	3.7	1	11.1	2	1.1	0	0.332	0	3.444	1	10.373	2	2260	47	2.4
3636.7	10000	38.2869	94.6032	-460	PP	3.5	0	10.9	1	1.0	-1	0.322	-1	3.579	1	11.127	2	2227	47	2.4
3636.8	10000	38.2869	94.6025	-461	PP	3.5	0	10.8	1	1.0	-1	0.321	-1	3.537	1	11.010	2	2195	40	2.4
3636.9	10000	38.2869	94.6017	-461	PP	3.5	0	10.6	1	1.0	-1	0.334	0	3.717	1	11.119	2	2156	51	2.4
3637.0	10000	38.2869	94.6010	-461	PP	3.4	0	10.9	1	1.0	-1	0.311	-1	3.399	1	10.929	2	2138	54	2.4
3637.1	10000	38.2869	94.6003	-461	PP	3.3	0	10.8	1	1.0	-1	0.296	-1	3.291	1	11.121	2	2152	39	2.4
3637.2	10000	38.2869	94.5995	-460	PP	3.2	0	10.9	1	1.0	-1	0.280	-1	3.092	1	11.048	2	2150	53	2.4
3637.3	10000	38.2869	94.5988	-460	PP	3.1	0	10.9	1	1.0	-1	0.260	-1	2.687	1	10.342	2	2179	49	2.4
3637.4	10000	38.2870	94.5981	-459	PP	3.2	0	11.1	2	1.0	-1	0.274	-1	2.768	1	10.101	2	2196	46	2.4
3637.5	10000	38.2870	94.5973	-457	PP	3.2	0	11.4	2	1.0	-1	0.262	-1	2.687	1	10.244	2	2197	48	2.4
3637.6	10000	38.2870	94.5966	-455	PP	3.1	0	11.5	2	1.0	-1	0.255	-1	2.516	1	9.851	2	2210	44	2.4
3637.7	10000	38.2870	94.5959	-454	PM	3.1	0	11.7	2	1.0	-1	0.254	-1	2.461	1	9.679	2	2227	45	2.4
3637.8	10000	38.2870	94.5951	-452	PM	3.1	0	11.3	2	1.0	-1	0.263	-1	2.378	1	9.043	2	2224	42	2.4
3637.9	10000	38.2870	94.5944	-449	PM	3.1	0	11.0	2	1.0	-1	0.292	-1	2.602	1	9.903	2	2245	42	2.4
3638.0	10000	38.2870	94.5936	-447	PM	3.1	0	10.5	1	1.0	-1	0.319	0	2.896	1	9.070	2	2237	48	2.4
3638.1	10000	38.2870	94.5929	-444	PM	3.1	0	10.5	1	1.0	-1	0.347	0	3.105	1	8.957	2	2219	57	2.4
3638.2	10000	38.2870	94.5922	-442	PM	3.1	0	10.6	1	1.0	-1	0.369	0	3.414	1	9.248	2	2210	61	2.4
3638.3	10000	38.2870	94.5914	-440	PM	3.1	0	10.4	1	1.0	-1	0.382	0	3.777	1	9.895	2	2212	46	2.4
3638.4	10000	38.2870	94.5907	-438	PM	3.1	0	10.4	1	1.0	-1	0.393	0	3.723	1	9.480	2	2200	44	2.4
3638.5	10000	38.2870	94.5900	-437	PM	3.1	0	10.4	1	1.0	-1	0.400	0	3.788	1	9.481	2	2188	40	2.4
3638.6	10000	38.2871	94.5892	-436	PM	3.1	0	10.3	1	1.0	-1	0.399	0	3.752	1	9.404	2	2170	49	2.4
3638.7	10000	38.2871	94.5885	-435	PM	3.1	0	10.3	1	1.0	-1	0.394	0	3.678	1	9.328	2	2179	29	2.4
3638.8	10000	38.2871	94.5878	-435	PM	3.1	0	10.3	1	1.0	-1	0.406	0	3.936	1	9.701	2	2181	43	2.4
3638.9	10000	38.2871	94.5870	-434	PM	3.1	0	10.3	1	1.0	-1	0.390	0	3.925	1	9.062	2	2195	48	2.4
3639.0	10000	38.2871	94.5863	-433	PM	3.1	0	10.3	1	1.0	-1	0.387	0	3.725	1	9.629	2	2179	38	2.4
3639.1	10000	38.2871	94.5855	-433	PM	3.1	0	10.3	1	1.0	-1	0.402	0	3.929	1	9.667	2	2176	44	2.4
3639.2	10000	38.2871	94.5848	-432	PM	3.1	0	10.3	1	1.0	-1	0.433	0	4.292	1	9.826	2	2173	45	2.4
3639.3	10000	38.2871	94.5841	-432	PM	3.1	0	10.3	1	1.0	-1	0.445	0	4.692	1	9.938	2	2159	49	2.4
3639.4	10000	38.2871	94.5833	-432	PM	3.1	0	10.3	1	1.0	-1	0.450	0	4.868	1	9.938	2	2134	39	2.4
3639.5	10000	38.2871	94.5826	-432	PM	3.1	0	10.3	1	1.0	-1	0.433	0	4.876	1	9.938	2	2120	39	2.4
3639.6	10000	38.2871	94.5819	-431	PM	3.1	0	10.3	1	1.0	-1	0.435	0	4.857	1	9.938	2	2117	46	2.4

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3639.7	10000	38.2871	94.5811	-431	PM	4.4	2	10.4	1	0.9	-1	0.425	1	4.936	3	11.605	2	2129	46	2.2
3639.8	10000	38.2872	94.5804	-431	PM	4.1	2	10.0	1	0.9	-1	0.413	1	4.440	2	10.757	1	2148	38	2.2
3639.9	10000	38.2872	94.5797	-431	PM	4.1	1	10.2	1	1.0	-1	0.397	1	4.172	2	10.506	1	2169	37	2.2
3640.0	10000	38.2872	94.5789	-431	PM	3.9	1	10.4	1	1.0	-1	0.371	0	3.944	1	10.617	1	2180	39	2.2
3640.1	10000	38.2872	94.5782	-431	PM	3.8	1	10.2	1	1.0	0	0.378	0	3.757	1	9.930	1	2205	45	2.2
3640.2	10000	38.2872	94.5774	-432	PM	3.7	1	10.4	1	1.1	0	0.356	0	3.491	1	9.809	1	2213	45	2.2
3640.3	10000	38.2872	94.5767	-433	PM	3.8	1	10.0	1	1.0	0	0.375	0	3.592	1	9.570	1	2202	47	2.2
3640.4	10000	38.2872	94.5760	-434	PM	3.8	1	9.6	0	1.0	0	0.392	1	3.754	1	9.568	1	2176	50	2.2
3640.5	10000	38.2872	94.5752	-435	PM	4.0	1	10.1	1	0.9	-1	0.398	1	4.228	2	10.637	1	2150	41	2.2
3640.6	10000	38.2872	94.5745	-436	PM	4.0	1	10.0	1	0.9	-1	0.403	1	4.451	2	11.051	2	2128	52	2.2
3640.7	10000	38.2872	94.5738	-438	PM	4.2	2	9.8	0	0.9	-1	0.424	1	4.415	2	10.404	1	2110	48	2.2
3640.8	10000	38.2872	94.5730	-439	PM	4.1	2	10.2	1	0.9	-1	0.404	1	4.517	2	11.174	2	2086	51	2.2
3640.9	10000	38.2872	94.5723	-441	PM	3.9	1	9.7	0	0.9	-1	0.398	1	4.308	2	10.818	1	2079	42	2.2
3641.0	10000	38.2873	94.5715	-443	PM	4.0	1	9.9	1	0.9	-1	0.402	1	4.237	2	10.543	1	2091	43	2.2
3641.1	10000	38.2873	94.5708	-445	PM	3.7	1	10.1	1	1.0	0	0.366	0	3.590	1	9.806	1	2105	47	2.2
3641.2	10000	38.2873	94.5701	-448	PM	3.4	0	9.7	0	1.1	0	0.350	0	3.141	0	8.982	0	2090	35	2.2
3641.3	10000	38.2873	94.5693	-450	PM	3.4	0	9.5	0	1.1	0	0.355	0	3.189	0	8.995	0	2078	40	2.2
3641.4	10000	38.2873	94.5686	-452	PM	3.3	0	9.5	0	1.0	0	0.344	0	3.141	0	9.136	0	2068	43	2.2
3641.5	10000	38.2873	94.5679	-454	PM	3.2	0	9.2	0	1.1	0	0.351	0	3.017	0	8.595	0	2059	45	2.2
3641.6	10000	38.2873	94.5671	-455	PM	3.5	0	9.3	0	1.1	0	0.376	0	3.136	0	8.348	0	2067	41	2.2
3641.7	10000	38.2873	94.5664	-457	PM	3.3	0	9.1	0	1.1	0	0.365	0	3.012	0	8.259	0	2060	45	2.2
3641.8	10000	38.2873	94.5657	-458	PM	3.7	1	9.0	0	1.1	0	0.409	1	3.316	0	8.114	-1	2082	36	2.2
3641.9	10000	38.2873	94.5649	-459	PM	3.7	1	9.0	0	1.1	0	0.405	1	3.375	0	8.331	0	2117	45	2.2
3642.0	10000	38.2873	94.5642	-459	PM	3.6	1	9.5	0	1.2	0	0.380	0	3.104	0	8.160	-1	2151	41	2.2
3642.1	10000	38.2873	94.5634	-459	PM	3.5	0	9.8	0	1.1	0	0.359	0	3.076	0	8.565	0	2181	48	2.2
3642.2	10000	38.2874	94.5627	-459	PM	3.7	1	9.9	0	1.2	0	0.369	0	3.142	0	8.509	0	2210	35	2.2
3642.3	10000	38.2874	94.5620	-460	PM	4.0	1	10.2	1	1.1	0	0.397	1	3.616	1	9.097	0	2226	45	2.2
3642.4	10000	38.2874	94.5612	-461	PM	3.9	1	10.5	1	1.1	0	0.366	0	3.652	1	9.967	1	2227	43	2.2
3642.5	10000	38.2874	94.5605	-461	PM	3.8	1	10.8	1	1.0	0	0.349	0	3.738	1	10.701	1	2217	35	2.2
3642.6	10000	38.2874	94.5598	-461	PM	3.8	1	10.4	1	1.0	0	0.367	0	3.775	1	10.297	1	2204	41	2.2
3642.7	10000	38.2874	94.5590	-462	PM	3.8	1	10.5	1	1.0	0	0.347	0	3.762	1	10.851	1	2180	39	2.2
3642.8	10000	38.2874	94.5583	-461	PM	3.8	1	10.4	1	1.0	0	0.378	0	4.056	1	10.723	1	2169	42	2.2
3642.9	10000	38.2874	94.5576	-461	PM	3.8	1	10.4	1	1.0	0	0.356	0	4.282	2	12.030	2	2158	34	2.2
3643.0	10000	38.2874	94.5568	-461	PM	3.8	1	10.4	1	1.0	0	0.303	0	4.474	2	11.481	1	2151	53	2.2
3643.1	10000	38.2874	94.5561	-461	PM	3.8	1	10.5	1	1.0	0	0.340	0	4.610	2	10.605	1	2168	40	2.2
3643.2	10000	38.2874	94.5553	-461	PM	3.8	1	10.4	1	1.0	0	0.353	0	4.597	2	10.189	1	2185	57	2.2
3643.3	10000	38.2874	94.5546	-461	PM	3.8	1	10.4	1	1.0	0	0.345	0	4.566	2	10.393	1	2192	42	2.2
3643.4	10000	38.2874	94.5539	-460	PM	3.8	1	10.4	1	1.0	0	0.368	0	4.603	2	9.788	1	2208	34	2.2
3643.5	10000	38.2875	94.5531	-460	PM	3.8	1	10.4	1	1.0	0	0.367	0	4.563	2	9.702	1	2209	43	2.2
3643.6	10000	38.2875	94.5524	-460	PM	3.8	1	10.4	1	1.0	0	0.378	0	4.579	2	9.476	1	2202	34	2.2
3643.7	10000	38.2875	94.5517	-459	PM	3.8	1	10.4	1	1.0	0	0.420	0	4.852	2	9.166	1	2177	43	2.2
3643.8	10000	38.2875	94.5509	-458	PM	3.8	1	10.4	1	1.0	0	0.419	0	4.744	2	8.931	1	2136	39	2.2
3643.9	10000	38.2875	94.5502	-458	PM	3.8	1	10.4	1	1.0	0	0.408	0	4.729	2	9.149	1	2121	47	2.2
3644.0	10000	38.2875	94.5495	-457	PM	3.8	1	10.4	1	1.0	0	0.405	0	4.713	2	9.176	1	2123	44	2.2
3644.1	10000	38.2875	94.5487	-456	PM	3.8	1	10.4	1	1.0	0	0.416	0	4.991	2	9.590	1	2142	48	2.2
3644.2	10000	38.2875	94.5480	-455	PM	3.8	1	10.4	1	1.0	0	0.388	0	4.152	2	9.484	1	2163	40	2.2
3644.3	10000	38.2875	94.5472	-454	PM	3.8	1	10.4	1	1.0	0	0.397	0	4.941	2	9.179	1	2185	41	2.2
3644.4	10000	38.2875	94.5465	-452	PM	3.8	1	10.4	1	1.0	0	0.357	0	4.824	2	9.644	1	2214	40	2.2
3644.5	10000	38.2875	94.5458	-452	PM	3.8	1	10.4	1	1.0	0	0.344	0	4.644	2	10.217	2	2240	24	2.2
3644.6	10000	38.2875	94.5450	-450	PM	3.8	1	10.4	1	1.0	0	0.312	0	4.571	2	10.391	2	2280	36	2.2
3644.7	10000	38.2876	94.5443	-448	PM	3.8	1	10.4	1	1.0	0	0.288	-1	4.294	2	10.548	2	2298	40	2.2
3644.8	10000	38.2876	94.5436	-447	PM	3.8	1	10.4	1	1.0	0	0.263	-1	4.963	2	10.304	2	2307	41	2.2

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3644.9	10000	38.2876	94.5428	-446	PM	3.1	0	11.9	2	1.2	1	0.260	-1	2.639	-1	10.154	1	2320	39	2.2
3645.0	10000	38.2876	94.5421	-444	PM	3.2	0	12.3	3	1.2	1	0.262	-1	2.617	-1	9.989	1	2335	48	2.2
3645.1	10000	38.2876	94.5414	-443	PM	3.3	0	12.3	3	1.2	1	0.271	-1	2.708	-1	10.007	1	2352	39	2.2
3645.2	10000	38.2876	94.5406	-442	PM	3.6	1	12.0	3	1.3	1	0.300	-1	2.760	-1	9.203	0	2362	44	2.2
3645.3	10000	38.2876	94.5399	-442	PM	3.7	1	11.5	2	1.3	2	0.323	0	2.821	0	8.742	0	2328	57	2.2
3645.4	10000	38.2876	94.5391	-442	PM	3.9	1	11.0	2	1.3	2	0.354	0	2.963	0	8.368	0	2298	38	2.2
3645.5	10000	38.2876	94.5384	-442	PM	3.8	1	10.0	1	1.3	1	0.375	0	2.993	0	7.973	-1	2252	45	2.2
3645.6	10000	38.2876	94.5377	-442	PM	3.7	1	10.1	1	1.2	1	0.367	0	2.998	0	8.162	-1	2204	47	2.2
3645.7	10000	38.2876	94.5369	-443	PM	3.6	1	9.6	0	1.2	1	0.372	0	3.036	0	8.158	-1	2163	38	2.2
3645.8	10000	38.2876	94.5362	-443	PM	3.5	0	9.1	0	1.2	1	0.385	1	2.892	0	7.516	-1	2124	42	2.2
3645.9	10000	38.2877	94.5355	-444	PM	3.4	0	9.3	0	1.1	1	0.364	0	2.977	0	8.177	0	2109	47	2.2
3646.0	10000	38.2877	94.5347	-445	PM	3.3	0	9.4	0	1.1	0	0.347	0	3.054	0	8.803	0	2106	43	2.2
3646.1	10000	38.2877	94.5340	-446	PM	3.2	0	9.5	0	1.1	0	0.341	0	3.074	0	9.008	0	2123	44	2.3
3646.2	10000	38.2877	94.5332	-446	PM	3.3	0	10.0	1	1.0	0	0.326	0	3.123	0	9.566	1	2144	46	2.3
3646.3	10000	38.2877	94.5325	-447	PM	3.5	0	10.0	1	1.1	0	0.349	0	3.311	0	9.494	0	2166	43	2.3
3646.4	10000	38.2877	94.5318	-448	PM	3.5	0	10.0	1	1.1	0	0.347	0	3.157	0	9.094	0	2200	47	2.3
3646.5	10000	38.2877	94.5310	-448	PM	3.5	0	10.3	1	1.1	0	0.346	0	3.321	0	9.597	1	2240	37	2.3
3646.6	10000	38.2877	94.5303	-449	PM	3.7	1	10.4	1	1.1	0	0.354	0	3.343	0	9.454	0	2263	44	2.3
3646.7	10000	38.2877	94.5296	-449	PM	3.7	1	10.6	1	1.2	1	0.353	0	3.215	0	9.101	0	2286	51	2.3
3646.8	10000	38.2877	94.5289	-449	PM	3.7	1	10.7	1	1.2	1	0.346	0	3.132	0	9.049	0	2308	61	2.3
3646.9	10000	38.2877	94.5281	-449	PM	3.9	1	10.9	1	1.2	1	0.360	0	3.300	0	9.165	0	2327	33	2.3
3647.0	10000	38.2877	94.5274	-449	PM	3.8	1	11.1	2	1.2	1	0.345	0	3.216	0	9.333	0	2353	37	2.3
3647.1	10000	38.2876	94.5267	-450	PM	3.9	1	11.5	2	1.2	0	0.343	0	3.405	0	9.933	1	2368	42	2.3
3647.2	10000	38.2876	94.5260	-449	PM	3.8	1	12.0	2	1.1	0	0.315	-1	3.334	0	10.571	1	2366	29	2.3
3647.3	10000	38.2876	94.5252	-449	PM	3.7	1	11.6	2	1.1	0	0.322	0	3.373	0	10.477	1	2353	43	2.3
3647.4	10000	38.2876	94.5245	-449	PM	3.8	1	11.3	2	1.1	0	0.336	0	3.485	0	10.373	1	2330	45	2.3
3647.5	10000	38.2876	94.5238	-449	PM	3.9	1	11.1	2	1.1	0	0.345	0	3.723	1	10.795	1	2303	43	2.3
3647.6	10000	38.2876	94.5230	-449	PM	3.7	1	10.8	1	1.1	0	0.330	0	3.615	1	10.966	1	2269	38	2.3
3647.7	10000	38.2876	94.5223	-449	PM	3.7	1	10.6	1	1.1	0	0.323	0	3.616	1	11.178	2	2236	58	2.3
3647.8	10000	38.2876	94.5216	-450	PM	3.5	1	10.4	1	1.1	0	0.310	0	3.467	1	11.178	2	2215	35	2.3
3647.9	10000	38.2875	94.5209	-450	PM	3.5	1	10.3	1	1.1	0	0.326	0	3.427	1	10.512	1	2197	38	2.3
3648.0	10000	38.2875	94.5201	-450	PM	3.6	1	10.2	1	1.1	0	0.321	0	3.466	1	10.797	1	2196	49	2.3
3648.1	10000	38.2875	94.5194	-451	PM	3.5	1	10.1	1	1.1	0	0.302	0	3.313	1	10.981	1	2207	42	2.3
3648.2	10000	38.2875	94.5187	-452	PM	3.5	1	10.1	1	1.1	0	0.308	0	3.309	1	10.737	1	2215	43	2.3
3648.3	10000	38.2875	94.5180	-453	PM	3.6	1	10.1	1	1.1	0	0.321	0	3.272	1	10.179	1	2221	36	2.3
3648.4	10000	38.2875	94.5172	-455	PM	3.4	1	10.0	1	1.1	0	0.314	0	3.069	1	9.780	1	2215	45	2.3
3648.5	10000	38.2875	94.5165	-456	PM	3.5	1	10.0	1	1.1	0	0.338	0	3.300	1	9.766	1	2199	46	2.3
3648.6	10000	38.2875	94.5158	-457	PM	3.6	1	10.0	1	1.1	0	0.342	0	3.512	1	9.280	1	2185	47	2.3
3648.7	10000	38.2875	94.5151	-459	PM	3.7	1	10.0	1	1.1	0	0.352	0	3.442	1	9.766	1	2181	47	2.3
3648.8	10000	38.2874	94.5143	-460	PM	3.6	1	10.0	1	1.1	0	0.346	0	3.295	1	9.522	1	2175	43	2.3
3648.9	10000	38.2874	94.5136	-461	PM	3.6	1	10.0	1	1.1	0	0.332	0	3.178	1	9.565	1	2174	44	2.3
3649.0	10000	38.2874	94.5129	-463	PM	3.6	1	10.0	1	1.1	0	0.335	0	3.187	1	9.941	1	2193	42	2.3
3649.1	10000	38.2874	94.5122	-464	PM	3.6	1	10.0	1	1.1	0	0.330	0	3.105	1	9.260	1	2233	42	2.3
3649.2	10000	38.2874	94.5114	-465	PM	3.5	1	10.0	1	1.1	0	0.299	0	3.088	1	9.453	1	2259	47	2.3
3649.3	10000	38.2874	94.5107	-466	PM	3.5	1	10.0	1	1.1	0	0.308	0	3.133	1	9.159	1	2293	47	2.3
3649.4	10000	38.2874	94.5100	-466	PM	3.5	1	10.0	1	1.1	0	0.299	0	3.088	1	9.060	1	2329	45	2.3
3649.5	10000	38.2874	94.5093	-466	PM	3.5	1	10.0	1	1.1	0	0.313	0	3.233	1	9.807	1	2359	55	2.3
3649.6	10000	38.2873	94.5085	-467	PM	3.5	1	10.0	1	1.1	0	0.313	0	3.233	1	9.745	1	2367	42	2.3
3649.7	10000	38.2873	94.5078	-467	PM	3.5	1	10.0	1	1.1	0	0.313	0	3.233	1	9.160	1	2356	51	2.3
3649.8	10000	38.2873	94.5071	-467	PM	3.5	1	10.0	1	1.1	0	0.313	0	3.233	1	9.762	1	2337	56	2.3
3649.9	10000	38.2873	94.5064	-468	PM	3.5	1	10.0	1	1.1	0	0.313	0	3.233	1	9.774	1	2335	28	2.3
3650.0	10000	38.2873	94.5056	-467	PM	3.6	1	10.0	1	1.2	1	0.333	0	2.938	0	8.815	0	2310	48	2.3

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3650.1	10000	38.2873	94.5049	-467	PM	3.6	1	11.2	2	1.2	0	0.322	0	3.135	0	9.736	1	2273	47	2.3
3650.2	10000	38.2873	94.5042	-467	PM	3.7	1	11.4	2	1.1	0	0.326	0	3.393	0	10.420	1	2249	44	2.3
3650.3	10000	38.2872	94.5035	-467	PM	3.7	1	11.2	2	1.0	0	0.328	0	3.549	1	10.806	1	2238	54	2.3
3650.4	10000	38.2872	94.5027	-467	PM	3.6	1	11.0	2	1.0	-1	0.332	0	3.684	1	11.108	2	2236	36	2.3
3650.5	10000	38.2872	94.5020	-467	PM	3.5	0	11.0	2	1.0	-1	0.313	-1	3.500	1	11.166	2	2227	42	2.3
3650.6	10000	38.2872	94.5013	-466	PM	3.5	1	10.6	1	1.0	-1	0.329	0	3.560	1	10.836	1	2211	40	2.3
3650.7	10000	38.2872	94.5006	-466	PM	3.7	1	10.9	1	1.0	-1	0.336	0	3.673	1	10.918	1	2218	37	2.3
3650.8	10000	38.2872	94.4998	-465	PM	3.5	0	10.4	1	1.1	0	0.337	0	3.344	0	9.916	1	2227	53	2.3
3650.9	10000	38.2872	94.4991	-465	PM	3.6	1	9.9	0	1.1	0	0.360	0	3.180	0	8.825	0	2229	49	2.3
3651.0	10000	38.2872	94.4984	-464	PM	3.7	1	10.1	1	1.1	0	0.360	0	3.264	0	9.061	0	2228	48	2.3
3651.1	10000	38.2872	94.4977	-463	PM	3.8	1	10.3	1	1.1	0	0.364	0	3.364	0	9.232	0	2226	42	2.3
3651.2	10000	38.2871	94.4969	-462	PM	3.7	1	10.6	1	1.1	0	0.348	0	3.246	0	9.314	0	2238	47	2.3
3651.3	10000	38.2871	94.4962	-460	PM	3.2	1	11.1	2	1.2	1	0.286	-1	2.656	-1	9.302	0	2233	56	2.3
3651.4	10000	38.2871	94.4955	-457	PM	3.3	0	10.8	1	1.2	1	0.295	-1	2.572	-1	8.733	0	2237	45	2.3
3651.5	10000	38.2871	94.4948	-455	PM	3.3	0	10.3	1	1.2	1	0.320	-1	2.646	-1	8.261	0	2226	46	2.3
3651.6	10000	38.2871	94.4940	-454	PM	3.2	0	10.5	1	1.2	1	0.303	-1	2.683	-1	8.857	0	2219	38	2.3
3651.7	10000	38.2871	94.4933	-452	PM	3.4	0	10.2	1	1.2	1	0.331	0	2.859	0	8.632	0	2206	35	2.3
3651.8	10000	38.2871	94.4926	-451	PP	3.1	0	10.3	1	1.2	1	0.304	-1	2.568	-1	8.448	0	2204	34	2.3
3651.9	10000	38.2871	94.4919	-449	PP	3.3	0	10.4	1	1.2	1	0.316	-1	2.733	0	8.642	0	2178	48	2.3
3652.0	10000	38.2871	94.4911	-448	PP	3.6	1	10.1	1	1.2	1	0.355	0	3.102	0	8.733	0	2170	42	2.3
3652.1	10000	38.2870	94.4904	-448	PP	3.4	0	10.1	1	1.1	0	0.342	0	3.099	0	9.067	1	2149	41	2.4
3652.2	10000	38.2870	94.4897	-447	PP	3.2	0	10.6	1	1.1	0	0.303	-1	3.008	0	9.934	1	2130	40	2.4
3652.3	10000	38.2870	94.4890	-447	PP	3.2	0	10.7	1	1.0	0	0.296	-1	3.031	0	10.231	1	2102	49	2.4
3652.4	10000	38.2870	94.4882	-446	PP	3.0	-1	10.9	1	1.1	0	0.272	-1	2.750	0	10.119	1	2099	51	2.3
3652.5	10000	38.2870	94.4875	-446	PP	3.3	0	10.8	1	1.0	-1	0.308	-1	3.287	0	10.668	2	2089	44	2.3
3652.6	10000	38.2870	94.4868	-447	PP	3.2	0	10.5	1	1.0	-1	0.310	-1	3.227	0	10.403	2	2079	52	2.3
3652.7	10000	38.2870	94.4861	-447	PP	3.1	0	10.3	1	1.0	-1	0.302	-1	3.039	0	10.047	1	2084	39	2.3
3652.8	10000	38.2870	94.4853	-448	PP	3.1	0	10.2	1	1.1	0	0.309	-1	2.929	0	9.465	1	2094	40	2.3
3652.9	10000	38.2869	94.4846	-449	PP	3.4	0	10.3	1	1.1	0	0.329	0	3.071	0	9.342	1	2103	51	2.3
3653.0	10000	38.2869	94.4839	-450	PP	3.5	0	10.6	1	1.1	0	0.348	0	2.970	0	8.548	0	2135	48	2.3
3653.1	10000	38.2869	94.4832	-451	PP	3.6	1	10.9	1	1.2	1	0.374	0	3.054	0	8.170	0	2158	39	2.3
3653.2	10000	38.2869	94.4824	-452	PP	3.7	1	11.1	2	1.2	1	0.386	0	3.110	0	8.054	0	2181	47	2.4
3653.3	10000	38.2869	94.4817	-453	PP	3.8	1	11.1	2	1.2	1	0.387	0	3.216	0	8.305	0	2198	43	2.4
3653.4	10000	38.2869	94.4810	-454	PP	3.8	1	11.1	2	1.2	1	0.406	0	3.318	0	8.164	0	2212	54	2.4
3653.5	10000	38.2869	94.4803	-455	PP	3.9	1	11.2	2	1.2	1	0.405	0	3.472	0	8.572	0	2207	57	2.4
3653.6	10000	38.2869	94.4795	-455	PP	3.9	1	11.1	2	1.2	1	0.406	0	3.483	0	8.577	0	2211	44	2.4
3653.7	10000	38.2868	94.4788	-455	PP	3.9	1	11.0	2	1.1	1	0.414	0	3.929	0	9.497	1	2215	44	2.3
3653.8	10000	38.2868	94.4781	-456	PP	4.0	1	10.9	2	1.1	1	0.398	0	3.808	0	9.569	1	2195	48	2.3
3653.9	10000	38.2868	94.4774	-456	PP	4.1	1	10.5	1	1.1	1	0.345	0	3.316	0	9.615	1	2159	42	2.3
3654.0	10000	38.2868	94.4766	-457	PP	4.0	1	10.4	1	1.1	1	0.335	0	3.147	0	9.391	1	2114	38	2.3
3654.1	10000	38.2868	94.4759	-458	PP	4.2	1	10.9	1	1.1	1	0.322	0	3.145	0	9.775	1	2046	39	2.3
3654.2	10000	38.2868	94.4752	-459	PP	4.4	1	11.1	2	1.1	1	0.319	0	3.076	0	9.648	1	1980	37	2.3
3654.3	10000	38.2868	94.4745	-460	PP	4.6	1	11.3	2	1.1	1	0.315	0	3.044	0	9.660	1	1930	49	2.3
3654.4	10000	38.2868	94.4737	-462	PP	4.6	1	11.3	2	1.1	1	0.270	0	3.034	0	9.399	1	1850	52	2.3
3654.5	10000	38.2867	94.4730	-463	PP	4.6	1	11.3	2	1.1	1	0.289	0	3.113	0	9.455	1	1794	48	2.3
3654.6	10000	38.2867	94.4723	-464	PP	4.6	1	11.3	2	1.1	1	0.340	0	3.661	0	9.144	1	1757	48	2.3
3654.7	10000	38.2867	94.4716	-466	PP	4.6	1	11.3	2	1.1	1	0.398	0	3.791	0	9.210	1	1748	48	2.3
3654.8	10000	38.2867	94.4708	-467	PP	4.6	1	11.3	2	1.1	1	0.417	0	3.979	0	9.078	1	1764	37	2.4
3654.9	10000	38.2867	94.4701	-469	PP	4.6	1	11.3	2	1.1	1	0.456	0	4.371	0	9.790	1	1788	48	2.4
3655.0	10000	38.2867	94.4694	-470	PP	4.7	1	11.3	2	1.1	1	0.479	0	4.978	0	9.585	1	1799	41	2.4
3655.1	10000	38.2867	94.4686	-471	PP	4.7	1	11.3	2	1.1	1	0.435	0	4.545	0	10.397	2	1822	47	2.3
3655.2	10000	38.2867	94.4679	-472	PP	3.5	0	8.1	1	0.8	0	0.435	0	4.545	0	10.437	2	1839	47	2.3

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3655.3	10000	38.2866	94.4672	-473	PP	3.4	0	8.2	-1	0.8	-2	0.416	0	4.270	2	10.271	2	1860	39	2.3
3655.4	10000	38.2866	94.4665	-474	PP	3.2	0	8.5	0	0.8	-2	0.372	0	3.765	1	10.114	1	1885	54	2.3
3655.5	10000	38.2866	94.4657	-475	PP	3.1	0	8.8	0	0.9	-1	0.350	0	3.554	1	10.149	1	1880	43	2.3
3655.6	10000	38.2866	94.4650	-476	PP	3.0	-1	8.5	0	0.9	-1	0.346	0	3.275	1	9.455	1	1893	49	2.3
3655.7	10000	38.2866	94.4643	-476	PP	2.8	-1	8.9	0	0.9	-1	0.315	-1	3.090	0	9.804	1	1904	58	2.3
3655.8	10000	38.2866	94.4636	-476	PP	2.7	-1	8.9	0	0.9	-1	0.305	-1	2.931	0	9.598	1	1898	40	2.3
3655.9	10000	38.2866	94.4628	-477	PP	3.0	-1	8.6	0	0.9	-1	0.353	0	3.295	0	9.332	1	1895	53	2.3
3656.0	10000	38.2866	94.4621	-477	PP	3.2	0	8.4	-1	0.9	-1	0.382	0	3.661	1	9.575	1	1875	51	2.3
3656.1	10000	38.2865	94.4614	-477	PP	3.3	0	8.1	-1	0.8	-2	0.407	0	3.921	1	9.635	1	1837	45	2.3
3656.2	10000	38.2865	94.4607	-477	PM	3.3	0	7.7	-2	0.8	-2	0.424	1	4.032	1	9.511	0	1818	52	2.3
3656.3	10000	38.2865	94.4599	-477	PM	3.2	0	7.6	-2	0.8	-2	0.425	1	4.109	2	9.669	1	1774	42	2.3
3656.4	10000	38.2865	94.4592	-477	PM	3.3	0	7.4	-2	0.7	-2	0.442	1	4.367	2	9.873	1	1730	46	2.3
3656.5	10000	38.2865	94.4585	-477	PM	3.4	0	7.4	-2	0.8	-2	0.458	2	4.489	2	9.793	1	1735	49	2.3
3656.6	10000	38.2865	94.4578	-477	PM	3.2	0	7.4	-2	0.7	-2	0.435	1	4.358	2	10.027	1	1720	44	2.3
3656.7	10000	38.2865	94.4570	-477	PM	2.9	-1	7.4	-2	0.8	-2	0.394	1	3.811	1	9.665	1	1716	36	2.3
3656.8	10000	38.2865	94.4563	-477	PM	2.9	-1	7.8	-2	0.8	-2	0.368	0	3.645	1	9.895	1	1747	56	2.3
3656.9	10000	38.2864	94.4556	-477	PM	2.9	-1	8.0	-1	0.8	-2	0.364	0	3.560	1	9.790	1	1773	52	2.3
3657.0	10000	38.2864	94.4549	-478	PM	3.1	0	8.2	-1	0.8	-2	0.377	0	3.886	1	10.307	1	1805	34	2.3
3657.1	10000	38.2864	94.4541	-477	PM	3.1	0	8.2	-1	0.8	-2	0.377	0	4.040	1	10.703	1	1833	44	2.3
3657.2	10000	38.2864	94.4534	-476	PM	3.1	0	8.0	-1	0.8	-2	0.389	1	4.004	1	10.298	1	1854	53	2.3
3657.3	10000	38.2864	94.4527	-476	PM	3.2	0	8.4	-1	0.8	-2	0.380	0	4.066	1	10.697	1	1895	42	2.3
3657.4	10000	38.2864	94.4520	-475	PM	3.3	0	8.8	-1	0.8	-2	0.371	0	3.996	1	10.772	1	1939	45	2.3
3657.5	10000	38.2864	94.4512	-474	PM	3.5	0	8.8	-1	0.8	-2	0.399	1	4.092	2	10.248	1	1967	55	2.3
3657.6	10000	38.2864	94.4505	-472	PM	3.4	0	9.0	-1	0.8	-2	0.364	0	4.017	1	11.028	2	2003	46	2.3
3657.7	10000	38.2863	94.4498	-471	PM	3.4	0	9.1	-1	0.9	-1	0.368	0	3.895	1	10.598	1	2036	48	2.3
3657.8	10000	38.2863	94.4491	-469	PM	3.4	0	9.0	-1	0.9	-1	0.371	0	3.605	1	9.708	1	2055	63	2.3
3657.9	10000	38.2863	94.4483	-466	PM	3.4	0	8.9	-1	0.9	-1	0.371	0	3.453	1	10.156	1	2068	47	2.3
3658.0	10000	38.2863	94.4476	-463	PM	3.4	0	8.8	-1	0.9	-1	0.340	0	3.615	1	9.848	1	2082	42	2.3
3658.1	10000	38.2863	94.4469	-461	PM	3.4	0	8.8	-1	0.9	-1	0.367	0	3.750	1	9.901	1	2087	54	2.3
3658.2	10000	38.2863	94.4462	-458	PM	3.4	0	8.8	-1	0.9	-1	0.379	0	3.939	1	9.931	1	2065	39	2.3
3658.3	10000	38.2863	94.4454	-455	PM	3.4	0	8.8	-1	0.9	-1	0.360	0	3.990	1	10.692	1	2043	56	2.3
3658.4	10000	38.2862	94.4447	-452	PM	3.4	0	8.8	-1	0.9	-1	0.373	0	3.990	1	10.121	1	2017	51	2.3
3658.5	10000	38.2862	94.4440	-450	PM	3.4	0	8.8	-1	0.9	-1	0.378	1	4.054	1	10.737	1	1993	50	2.3
3658.6	10000	38.2862	94.4433	-447	PM	3.4	0	8.8	-1	0.9	-1	0.378	0	4.212	1	10.250	1	1957	53	2.3
3658.7	10000	38.2862	94.4425	-445	PM	3.4	0	8.8	-1	0.9	-1	0.411	0	4.128	1	10.394	1	1924	43	2.3
3658.8	10000	38.2862	94.4418	-443	PM	3.4	0	8.8	-1	0.9	-1	0.397	0	4.488	1	10.764	1	1905	45	2.3
3658.9	10000	38.2862	94.4411	-442	PM	3.4	0	8.8	-1	0.9	-1	0.417	0	4.555	1	10.995	1	1890	39	2.3
3659.0	10000	38.2862	94.4404	-440	PM	3.4	0	8.8	-1	0.9	-1	0.441	0	4.995	1	11.249	1	1891	52	2.3
3659.1	10000	38.2862	94.4396	-438	PM	3.4	0	8.8	-1	0.9	-1	0.441	0	4.995	1	10.945	1	1899	45	2.3
3659.2	10000	38.2862	94.4389	-435	PM	3.4	0	8.8	-1	0.9	-1	0.441	0	4.995	1	10.680	1	1906	39	2.3
3659.3	10000	38.2861	94.4382	-433	PM	3.4	0	8.8	-1	0.9	-1	0.441	0	4.995	1	10.342	1	1904	45	2.3
3659.4	10000	38.2861	94.4375	-431	PM	3.4	0	8.8	-1	0.9	-1	0.441	0	4.995	1	10.044	1	1907	42	2.3
3659.5	10000	38.2861	94.4367	-429	PM	3.4	0	8.8	-1	0.9	-1	0.441	0	4.995	1	9.848	1	1897	39	2.3
3659.6	10000	38.2861	94.4360	-427	PM	3.4	0	8.8	-1	0.9	-1	0.441	0	4.995	1	9.680	1	1902	45	2.3
3659.7	10000	38.2861	94.4353	-425	PM	3.4	0	8.8	-1	0.9	-1	0.441	0	4.995	1	9.945	1	1907	45	2.3
3659.8	10000	38.2861	94.4346	-423	PM	3.4	0	8.8	-1	0.9	-1	0.441	0	4.995	1	9.680	1	1907	45	2.3
3659.9	10000	38.2861	94.4338	-421	PM	3.4	0	8.8	-1	0.9	-1	0.441	0	4.995	1	9.680	1	1907	45	2.3
3660.0	10000	38.2860	94.4331	-419	PM	3.4	0	8.8	-1	0.9	-1	0.441	0	4.995	1	9.680	1	1907	45	2.3
3660.1	10000	38.2860	94.4324	-417	PM	3.4	0	8.8	-1	0.9	-1	0.441	0	4.995	1	9.680	1	1907	45	2.3
3660.2	10000	38.2860	94.4317	-418	PM	3.4	0	8.8	-1	0.9	-1	0.441	0	4.995	1	9.680	1	1907	45	2.3
3660.3	10000	38.2860	94.4309	-418	PM	3.4	0	8.8	-1	0.9	-1	0.441	0	4.995	1	9.680	1	1907	45	2.3
3660.4	10000	38.2860	94.4302	-418	PM	3.4	0	8.8	-1	0.9	-1	0.441	0	4.995	1	9.680	1	1907	45	2.3

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3660.5	10000	38.2860	94.4295	-419	PM	3.2	0	8.3	-1	1.0	-1	0.391	1	3.323	0	8.509	0	1985	46	2.3
3660.6	10000	38.2860	94.4288	-420	PM	3.4	0	8.3	-1	1.0	-1	0.408	1	3.571	1	8.744	0	2003	56	2.3
3660.7	10000	38.2860	94.4280	-421	PM	3.4	0	8.1	-1	0.9	-1	0.420	1	3.574	1	8.516	0	2015	47	2.3
3660.8	10000	38.2860	94.4273	-423	PM	3.9	1	8.3	-1	1.0	-1	0.471	2	4.039	1	8.568	0	2025	45	2.3
3660.9	10000	38.2859	94.4266	-424	PM	3.7	1	8.4	-1	0.9	-1	0.440	1	3.902	1	8.874	0	2051	40	2.3
3661.0	10000	38.2859	94.4259	-426	PM	3.7	1	8.7	-1	1.0	0	0.429	1	3.712	1	8.643	0	2095	49	2.3
3661.1	10000	38.2859	94.4251	-428	PM	3.8	1	8.6	-1	1.1	0	0.442	1	3.581	1	8.101	-1	2129	47	2.3
3661.2	10000	38.2859	94.4244	-430	PM	3.7	1	9.3	0	1.1	0	0.403	1	3.561	1	8.838	0	2169	43	2.3
3661.3	10000	38.2859	94.4237	-432	PM	3.7	1	9.9	0	1.1	0	0.397	1	3.392	0	8.549	0	2196	51	2.3
3661.4	10000	38.2859	94.4230	-434	PM	3.5	1	9.9	0	1.1	0	0.355	1	3.206	0	9.022	0	2211	37	2.3
3661.5	10000	38.2859	94.4222	-437	PM	3.6	1	9.9	0	1.1	0	0.368	1	3.394	0	9.217	0	2212	39	2.3
3661.6	10000	38.2859	94.4215	-440	PM	3.9	1	9.9	0	1.1	0	0.394	1	3.793	1	9.623	1	2196	46	2.3
3661.7	10000	38.2858	94.4208	-443	PM	3.6	1	10.1	1	1.0	-1	0.358	1	3.686	1	10.309	1	2172	56	2.3
3661.8	10000	38.2858	94.4201	-446	PM	3.9	1	10.2	1	0.9	-1	0.382	1	4.236	2	11.077	2	2132	43	2.3
3661.9	10000	38.2858	94.4193	-449	PM	3.9	1	9.6	1	0.9	-1	0.407	1	4.433	2	10.881	1	2089	39	2.3
3662.0	10000	38.2858	94.4186	-452	PM	3.8	1	9.5	1	0.9	-1	0.403	1	4.269	2	10.606	1	2072	46	2.3
3662.1	10000	38.2858	94.4179	-455	PM	4.0	1	9.4	1	0.9	-1	0.426	1	4.339	2	10.176	1	2081	55	2.3
3662.2	10000	38.2858	94.4172	-458	PM	4.0	1	9.4	1	1.0	-1	0.430	1	4.213	2	9.789	1	2106	44	2.3
3662.3	10000	38.2858	94.4164	-461	PM	4.0	1	9.3	1	1.0	0	0.433	1	3.958	1	9.148	0	2124	38	2.3
3662.4	10000	38.2858	94.4157	-464	PM	3.9	1	9.6	1	1.0	0	0.409	1	3.764	1	9.197	0	2141	44	2.3
3662.5	10000	38.2857	94.4150	-466	PM	3.7	1	9.9	1	1.1	0	0.377	1	3.405	0	9.041	0	2185	35	2.3
3662.6	10000	38.2857	94.4142	-469	PM	3.7	1	10.3	1	1.2	-1	0.357	1	3.153	0	8.823	0	2226	42	2.3
3662.7	10000	38.2857	94.4135	-471	PM	3.5	1	10.7	1	1.2	-1	0.326	1	3.009	0	9.235	1	2255	44	2.3
3662.8	10000	38.2857	94.4128	-473	PM	3.5	1	10.8	1	1.1	0	0.326	1	3.148	0	9.652	1	2280	57	2.3
3662.9	10000	38.2857	94.4120	-475	PM	3.5	1	11.1	2	1.1	0	0.314	-1	3.180	0	10.124	1	2290	44	2.3
3663.0	10000	38.2857	94.4113	-477	PM	3.5	1	11.5	2	1.1	0	0.303	-1	3.268	0	10.776	1	2293	47	2.3
3663.1	10000	38.2857	94.4106	-479	PM	3.8	1	11.4	2	1.1	0	0.336	1	3.695	1	11.002	2	2278	49	2.3
3663.2	10000	38.2857	94.4099	-481	PM	4.0	1	10.6	1	0.9	-1	0.376	1	4.220	2	11.218	2	2240	50	2.3
3663.3	10000	38.2857	94.4091	-482	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.797	2	2201	44	2.3
3663.4	10000	38.2857	94.4084	-484	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.884	2	2157	44	2.3
3663.5	10000	38.2857	94.4077	-486	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2124	44	2.3
3663.6	10000	38.2857	94.4069	-488	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2101	44	2.3
3663.7	10000	38.2857	94.4062	-490	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2083	44	2.3
3663.8	10000	38.2857	94.4055	-492	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2075	44	2.3
3663.9	10000	38.2857	94.4047	-495	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2097	44	2.3
3664.0	10000	38.2857	94.4040	-499	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2124	44	2.3
3664.1	10000	38.2857	94.4033	-503	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2146	44	2.3
3664.2	10000	38.2857	94.4025	-507	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2150	44	2.3
3664.3	10000	38.2857	94.4018	-513	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2129	44	2.3
3664.4	10000	38.2857	94.4011	-519	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2125	44	2.3
3664.5	10000	38.2857	94.4004	-525	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2115	44	2.3
3664.6	10000	38.2857	94.3996	-532	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2081	44	2.3
3664.7	10000	38.2857	94.3989	-539	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2045	44	2.3
3664.8	10000	38.2857	94.3982	-546	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2022	44	2.3
3664.9	10000	38.2857	94.3974	-553	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2005	44	2.3
3665.0	10000	38.2857	94.3967	-560	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2004	44	2.3
3665.1	10000	38.2857	94.3960	-567	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2005	44	2.3
3665.2	10000	38.2857	94.3952	-575	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2005	44	2.3
3665.3	10000	38.2857	94.3945	-583	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2005	44	2.3
3665.4	10000	38.2857	94.3938	-592	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2005	44	2.3
3665.5	10000	38.2857	94.3930	-597	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2005	44	2.3
3665.6	10000	38.2857	94.3923	-597	PM	4.0	1	10.3	1	0.9	-1	0.388	1	4.423	2	11.880	2	2005	44	2.3

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3665.7	10000	38.2857	94.3916	-603	PM	3.5	0	9.1	0	0.9	-1	0.385	1	3.727	1	9.689	1	2041	39	2.3
3665.8	10000	38.2857	94.3908	-607	PM	3.4	0	9.6	0	1.0	-1	0.359	1	3.569	1	9.949	1	2057	49	2.3
3665.9	10000	38.2857	94.3901	-612	PM	3.5	0	9.1	0	1.0	0	0.384	1	3.430	1	8.921	0	2101	52	2.3
3666.0	10000	38.2857	94.3894	-616	PM	3.5	0	9.6	0	1.1	0	0.368	1	3.152	0	8.561	0	2169	44	2.3
3666.1	10000	38.2857	94.3887	-620	PM	3.9	1	10.0	1	1.1	0	0.387	1	3.358	0	8.676	0	2231	43	2.3
3666.2	10000	38.2857	94.3879	-623	PM	3.9	1	10.7	1	1.2	0	0.365	1	3.250	0	8.900	0	2293	41	2.3
3666.3	10000	38.2857	94.3872	-626	PM	3.8	1	11.3	2	1.2	0	0.339	1	3.093	0	9.133	0	2368	40	2.3
3666.4	10000	38.2857	94.3865	-629	PM	3.9	1	11.9	2	1.2	0	0.326	1	3.169	0	9.714	1	2435	45	2.3
3666.5	10000	38.2857	94.3857	-631	PM	4.1	2	11.5	2	1.3	0	0.357	1	3.135	0	8.791	0	2505	47	2.3
3666.6	10000	38.2857	94.3850	-635	PM	4.3	2	11.6	2	1.4	0	0.371	1	3.131	0	8.434	0	2527	46	2.3
3666.7	10000	38.2857	94.3843	-637	PM	4.4	2	11.4	2	1.3	0	0.386	1	3.357	0	8.695	0	2545	39	2.3
3666.8	10000	38.2857	94.3835	-640	PM	4.3	2	11.4	2	1.3	0	0.374	1	3.281	0	8.778	0	2538	39	2.3
3666.9	10000	38.2856	94.3828	-642	PM	4.2	2	11.6	2	1.3	0	0.363	1	3.296	0	9.086	0	2516	50	2.3
3667.0	10000	38.2856	94.3821	-645	PM	4.3	2	11.2	2	1.3	0	0.385	1	3.440	0	8.945	0	2472	43	2.4
3667.1	10000	38.2856	94.3813	-647	PM	3.9	1	11.1	1	1.2	0	0.354	1	3.279	0	9.271	0	2418	47	2.4
3667.2	10000	38.2856	94.3806	-650	PM	3.9	1	11.6	1	1.1	0	0.335	1	3.496	0	10.432	1	2364	46	2.4
3667.3	10000	38.2856	94.3799	-653	PM	3.8	1	11.7	1	1.0	-1	0.328	1	3.922	1	11.952	2	2313	45	2.4
3667.4	10000	38.2856	94.3792	-655	PM	3.8	1	11.7	1	0.9	-1	0.325	1	4.076	1	12.558	3	2264	56	2.4
3667.5	10000	38.2856	94.3784	-658	PM	3.8	1	11.5	1	0.9	-1	0.329	1	4.234	1	12.860	3	2238	39	2.4
3667.6	10000	38.2856	94.3777	-660	PM	4.0	1	11.1	1	0.8	-1	0.359	1	4.816	1	13.420	3	2230	41	2.4
3667.7	10000	38.2856	94.3770	-662	PM	4.0	1	11.1	1	0.8	-1	0.363	1	4.861	1	13.381	3	2238	48	2.4
3667.8	10000	38.2856	94.3762	-664	PM	4.1	2	11.0	2	0.8	-1	0.375	1	4.967	1	13.256	3	2237	44	2.4
3667.9	10000	38.2856	94.3755	-666	PM	4.2	2	10.8	2	0.8	-1	0.385	1	5.522	1	14.341	4	2238	44	2.4
3668.0	10000	38.2856	94.3748	-667	PM	4.1	2	10.9	2	0.8	-1	0.376	1	5.043	1	13.417	3	2229	37	2.4
3668.1	10000	38.2856	94.3740	-669	PM	4.3	2	10.7	2	0.8	-1	0.399	1	5.130	1	12.866	3	2239	39	2.4
3668.2	10000	38.2856	94.3733	-671	PM	4.2	2	10.6	2	0.8	-1	0.399	1	4.957	1	12.421	3	2238	48	2.4
3668.3	10000	38.2856	94.3726	-673	PM	4.1	2	10.7	2	0.8	-1	0.384	1	4.856	1	12.634	3	2235	39	2.4
3668.4	10000	38.2856	94.3718	-674	PM	4.1	2	10.8	2	0.8	-1	0.374	1	5.030	1	13.462	3	2218	53	2.5
3668.5	10000	38.2856	94.3711	-676	PM	4.1	2	10.6	2	0.8	-1	0.385	1	5.234	1	13.579	3	2194	43	2.5
3668.6	10000	38.2856	94.3704	-677	PM	4.0	1	10.1	1	0.8	-1	0.393	1	5.787	1	12.966	3	2175	52	2.5
3668.7	10000	38.2856	94.3696	-679	PM	4.1	1	10.0	1	0.8	-1	0.415	1	4.968	1	12.121	2	2173	55	2.5
3668.8	10000	38.2856	94.3689	-681	PM	4.1	1	9.9	1	0.8	-1	0.376	1	4.560	1	12.329	2	2164	48	2.5
3668.9	10000	38.2856	94.3682	-683	PM	4.1	1	9.9	1	0.8	-1	0.390	1	4.423	1	12.070	2	2147	55	2.5
3669.0	10000	38.2856	94.3674	-685	PM	4.1	1	9.9	1	0.8	-1	0.395	1	4.378	1	12.024	2	2142	44	2.5
3669.1	10000	38.2856	94.3667	-688	PM	4.1	1	9.9	1	0.8	-1	0.392	1	4.931	1	12.004	2	2137	47	2.5
3669.2	10000	38.2856	94.3660	-691	PM	4.1	1	9.9	1	0.8	-1	0.375	1	4.373	1	11.200	2	2162	36	2.6
3669.3	10000	38.2856	94.3652	-695	PM	4.1	1	9.9	1	0.8	-1	0.367	1	4.378	1	11.261	2	2178	50	2.6
3669.4	10000	38.2856	94.3645	-699	PM	4.1	1	9.9	1	0.8	-1	0.361	1	4.344	1	11.242	2	2192	49	2.6
3669.5	10000	38.2856	94.3638	-704	PM	4.1	1	9.9	1	0.8	-1	0.358	1	4.311	1	11.242	2	2220	39	2.6
3669.6	10000	38.2856	94.3631	-709	PM	4.1	1	9.9	1	0.8	-1	0.348	1	4.340	1	11.242	2	2258	43	2.6
3669.7	10000	38.2856	94.3623	-715	PM	4.1	1	9.9	1	0.8	-1	0.346	1	4.226	1	11.242	2	2283	56	2.6
3669.8	10000	38.2856	94.3616	-721	PM	4.1	1	9.9	1	0.8	-1	0.336	1	4.072	1	11.242	2	2318	48	2.6
3669.9	10000	38.2856	94.3609	-728	PM	4.1	1	9.9	1	0.8	-1	0.334	1	4.245	1	11.242	2	2335	51	2.6
3670.0	10000	38.2856	94.3601	-734	PM	4.1	1	9.9	1	0.8	-1	0.329	1	4.255	1	11.242	2	2341	52	2.6
3670.1	10000	38.2856	94.3594	-739	PM	4.1	1	9.9	1	0.8	-1	0.346	1	4.170	1	11.242	2	2344	60	2.6
3670.2	10000	38.2856	94.3587	-745	PM	4.1	1	9.9	1	0.8	-1	0.346	1	4.251	1	11.242	2	2310	55	2.6
3670.3	10000	38.2856	94.3579	-750	PM	4.1	1	9.9	1	0.8	-1	0.355	1	4.419	1	11.242	2	2280	45	2.6
3670.4	10000	38.2856	94.3572	-754	PP	4.1	1	9.9	1	0.8	-1	0.355	1	4.770	1	11.242	2	2257	44	2.6
3670.5	10000	38.2856	94.3565	-758	PP	4.1	1	9.9	1	0.8	-1	0.355	1	4.900	1	11.242	2	2223	44	2.6
3670.6	10000	38.2856	94.3557	-762	PP	4.1	1	9.9	1	0.8	-1	0.417	1	5.831	1	13.242	3	2251	42	2.6
3670.7	10000	38.2856	94.3550	-766	PP	4.1	1	9.9	1	0.8	-1	0.443	1	5.831	1	13.242	3	2229	57	2.6
3670.8	10000	38.2856	94.3543	-769	PP	4.1	1	9.9	1	0.8	-1	0.436	1	5.831	1	13.242	3	2241	57	2.6

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3670.9	10000	38.2856	94.3535	-773	PP	4.2	2	9.9	1	1.0	-1	0.418	0	4.047	1	9.690	1	2259	46	2.8
3671.0	10000	38.2856	94.3528	-776	PP	3.7	1	9.8	1	1.1	0	0.373	0	3.424	1	9.181	1	2279	45	2.8
3671.1	10000	38.2856	94.3521	-778	PP	3.7	1	10.2	1	1.1	0	0.366	0	3.466	1	9.479	1	2284	53	2.8
3671.2	10000	38.2856	94.3513	-780	PP	3.7	1	10.3	1	1.1	0	0.361	0	3.394	1	9.397	1	2296	58	2.8
3671.3	10000	38.2856	94.3506	-782	PP	3.7	1	10.6	1	1.1	0	0.344	0	3.321	1	9.657	1	2284	50	2.8
3671.4	10000	38.2856	94.3499	-784	PP	3.1	0	10.5	1	1.1	0	0.300	-1	2.904	1	9.686	1	2258	40	2.9
3671.5	10000	38.2855	94.3492	-786	PP	3.0	-1	10.0	1	1.1	0	0.297	-1	2.780	1	9.360	1	2223	48	2.9
3671.6	10000	38.2856	94.3484	-788	PP	3.0	-1	9.9	1	1.1	0	0.299	-1	2.759	1	9.224	1	2202	51	2.9
3671.7	10000	38.2856	94.3477	-789	PM	3.4	0	9.8	1	1.0	0	0.349	0	3.371	1	9.658	1	2188	45	2.9
3671.8	10000	38.2855	94.3470	-791	PM	3.2	0	9.3	1	1.0	-1	0.343	0	3.237	1	9.433	0	2167	56	2.9
3671.9	10000	38.2855	94.3462	-792	PM	3.4	0	9.4	1	1.0	0	0.360	0	3.335	1	9.256	0	2161	49	2.9
3672.0	10000	38.2855	94.3455	-792	PM	3.1	0	9.5	1	1.0	0	0.328	0	3.048	1	9.280	0	2153	44	2.9
3672.1	10000	38.2855	94.3448	-794	PM	3.3	0	9.4	1	1.0	-1	0.351	0	3.353	1	9.553	0	2161	55	3.0
3672.2	10000	38.2855	94.3440	-795	PM	3.2	0	9.2	1	1.0	-1	0.351	0	3.229	1	9.200	0	2171	58	3.0
3672.3	10000	38.2855	94.3433	-796	PM	3.4	0	8.8	1	1.0	-1	0.384	1	3.470	1	9.039	0	2160	48	3.0
3672.4	10000	38.2855	94.3426	-795	PM	3.4	0	8.8	1	1.0	-1	0.390	1	3.543	1	9.073	0	2155	52	3.0
3672.5	10000	38.2855	94.3418	-794	PM	3.6	0	8.9	1	1.0	-1	0.404	1	3.770	1	9.322	1	2163	52	3.0
3672.6	10000	38.2855	94.3411	-789	PM	3.5	0	9.4	1	1.0	-1	0.376	1	3.709	1	9.857	1	2145	34	3.0
3672.7	10000	38.2855	94.3404	-787	PM	4.6	1	9.6	1	1.0	-1	0.368	1	3.911	1	10.624	1	2145	61	3.0
3672.8	10000	38.2855	94.3397	-792	PM	4.5	1	10.1	1	1.0	-1	0.355	1	3.882	1	10.944	1	2143	44	3.0
3672.9	10000	38.2855	94.3389	-797	PM	4.5	1	10.5	1	1.0	-1	0.351	1	4.044	1	11.533	2	2163	41	3.1
3673.0	10000	38.2855	94.3382	-798	PM	4.3	1	10.4	1	1.0	-1	0.312	1	3.557	1	11.420	2	2194	41	3.1
3673.1	10000	38.2855	94.3375	-799	PM	4.4	1	10.5	1	1.0	-1	0.323	1	3.625	1	11.232	2	2204	44	3.1
3673.2	10000	38.2855	94.3367	-800	PM	4.2	1	10.4	1	1.0	-1	0.312	1	3.321	1	10.654	1	2224	45	3.1
3673.3	10000	38.2855	94.3360	-800	PM	4.4	1	10.5	1	1.0	-1	0.330	1	3.632	1	11.016	2	2235	46	3.1
3673.4	10000	38.2855	94.3353	-799	PM	4.3	1	10.4	1	1.0	-1	0.316	1	3.353	1	10.627	1	2242	37	3.1
3673.5	10000	38.2855	94.3345	-799	PM	4.2	1	10.3	1	1.0	-1	0.300	1	3.275	1	10.907	1	2245	46	3.1
3673.6	10000	38.2855	94.3338	-798	PM	4.2	1	10.3	1	1.0	-1	0.309	1	3.278	1	10.616	1	2227	50	3.1
3673.7	10000	38.2855	94.3331	-797	PM	4.1	1	9.7	1	1.0	-1	0.343	1	3.505	1	10.222	1	2207	46	3.1
3673.8	10000	38.2855	94.3323	-795	PM	4.1	1	9.9	1	1.0	-1	0.316	1	3.281	1	10.383	1	2190	56	3.2
3673.9	10000	38.2855	94.3316	-794	PM	4.2	1	9.9	1	1.0	-1	0.337	1	3.703	1	10.973	1	2160	43	3.1
3674.0	10000	38.2855	94.3309	-793	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.390	1	10.170	1	2134	59	3.1
3674.1	10000	38.2855	94.3302	-791	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.850	1	10.185	1	2109	44	3.1
3674.2	10000	38.2855	94.3294	-788	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.859	1	10.616	1	2088	88	3.1
3674.3	10000	38.2855	94.3287	-786	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.736	1	10.456	1	2072	33	3.1
3674.4	10000	38.2855	94.3280	-784	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.486	1	10.271	1	2067	46	3.1
3674.5	10000	38.2855	94.3272	-782	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.211	1	10.652	1	2073	62	3.1
3674.6	10000	38.2855	94.3265	-778	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.170	1	10.410	1	2089	44	3.1
3674.7	10000	38.2855	94.3258	-775	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.481	1	10.714	1	2105	44	3.1
3674.8	10000	38.2855	94.3250	-771	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.550	1	11.029	1	2112	44	3.1
3674.9	10000	38.2855	94.3243	-767	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.726	1	10.285	1	2129	44	3.1
3675.0	10000	38.2855	94.3236	-763	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.768	1	10.460	1	2141	44	3.1
3675.1	10000	38.2855	94.3228	-758	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.794	1	10.993	1	2149	44	3.1
3675.2	10000	38.2855	94.3221	-753	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.773	1	10.307	1	2157	44	3.1
3675.3	10000	38.2855	94.3214	-747	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.732	1	10.160	1	2164	44	3.1
3675.4	10000	38.2855	94.3206	-742	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.784	1	10.330	1	2185	44	3.1
3675.5	10000	38.2855	94.3199	-736	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.784	1	10.330	1	2211	44	3.1
3675.6	10000	38.2855	94.3192	-731	PM	4.3	1	9.9	1	1.0	-1	0.333	1	3.784	1	10.330	1	2240	44	3.1
3675.7	10000	38.2855	94.3185	-725	PP	4.3	1	9.9	1	1.0	-1	0.333	1	3.784	1	10.330	1	2268	44	3.1
3675.8	10000	38.2855	94.3177	-719	PP	4.3	1	9.9	1	1.0	-1	0.333	1	3.784	1	10.330	1	2288	44	3.1
3675.9	10000	38.2855	94.3170	-713	PP	4.3	1	9.9	1	1.0	-1	0.333	1	3.784	1	10.330	1	2295	44	3.1
3676.0	10000	38.2855	94.3163	-707	PP	4.3	1	9.9	1	1.0	-1	0.333	1	3.784	1	10.330	1	2278	44	3.1

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3676.1	10000	38.2855	94.3155	-701	PP	3.8	1	11.1	2	1.3	1	0.345	0	2.942	0	8.520	0	2569	49	3.3
3676.2	10000	38.2854	94.3148	-694	PP	3.8	1	11.3	2	1.4	1	0.332	0	2.766	0	8.324	0	2625	45	3.3
3676.3	10000	38.2854	94.3141	-688	PP	3.6	1	11.2	2	1.4	2	0.326	-1	2.592	-1	7.957	0	2677	45	3.3
3676.4	10000	38.2854	94.3133	-681	PP	3.7	1	11.4	2	1.4	2	0.327	-1	2.639	-1	8.075	0	2710	36	3.3
3676.5	10000	38.2854	94.3126	-674	PP	3.8	1	11.1	2	1.4	2	0.343	0	2.755	0	8.029	0	2703	44	3.3
3676.6	10000	38.2854	94.3119	-668	PP	3.9	1	11.1	2	1.3	1	0.347	0	3.008	0	8.675	0	2671	56	3.3
3676.7	10000	38.2854	94.3111	-660	PP	3.7	1	11.4	2	1.2	1	0.324	-1	3.051	0	9.424	1	2614	44	3.3
3676.8	10000	38.2854	94.3104	-653	PP	3.4	0	10.6	1	1.1	0	0.326	-1	3.072	0	9.436	1	2521	39	3.3
3676.9	10000	38.2854	94.3097	-646	PP	3.5	0	9.7	1	1.1	0	0.362	0	3.174	0	8.775	1	2459	52	3.3
3677.0	10000	38.2854	94.3089	-637	PP	3.5	0	9.5	1	1.1	0	0.371	0	3.326	0	8.956	1	2402	51	3.3
3677.1	10000	38.2854	94.3082	-629	PP	3.6	1	9.3	1	1.0	-1	0.390	1	3.666	1	9.391	1	2336	50	3.3
3677.2	10000	38.2854	94.3075	-622	PP	3.8	1	8.9	1	0.9	-1	0.429	1	4.098	1	9.550	1	2297	44	3.3
3677.3	10000	38.2854	94.3067	-614	PP	3.8	1	8.9	1	0.9	-1	0.430	1	4.209	2	9.780	1	2292	42	3.3
3677.4	10000	38.2854	94.3060	-606	PP	3.8	1	9.0	1	0.9	-1	0.425	1	4.310	2	10.153	1	2287	41	3.3
3677.5	10000	38.2854	94.3053	-597	PP	4.1	2	9.3	1	0.9	-2	0.445	2	4.828	3	10.850	2	2289	53	3.3
3677.6	10000	38.2854	94.3046	-589	PP	3.9	1	9.6	1	0.9	-2	0.407	1	4.608	3	11.333	2	2298	61	3.2
3677.7	10000	38.2854	94.3038	-582	PP	4.0	1	9.5	1	0.8	-2	0.422	1	4.894	3	11.585	2	2308	48	3.2
3677.8	10000	38.2854	94.3031	-574	PP	4.0	1	9.4	1	0.8	-2	0.423	1	4.805	3	11.363	2	2316	46	3.2
3677.9	10000	38.2854	94.3024	-566	PP	4.0	1	9.8	1	0.9	-1	0.404	1	4.414	2	10.915	2	2340	43	3.2
3678.0	10000	38.2854	94.3016	-560	PP	4.0	1	9.9	1	1.0	-1	0.408	1	4.146	2	10.163	1	2354	44	3.2
3678.1	10000	38.2854	94.3009	-553	PP	4.2	2	9.6	1	1.0	-1	0.437	1	4.133	2	9.459	1	2376	46	3.2
3678.2	10000	38.2854	94.3002	-548	PP	4.1	2	9.8	1	1.1	0	0.416	1	3.744	1	8.995	1	2418	50	3.2
3678.3	10000	38.2854	94.2994	-543	PP	4.3	2	10.4	1	1.1	0	0.413	1	3.971	1	9.619	1	2462	42	3.2
3678.4	10000	38.2854	94.2987	-539	PP	4.1	2	10.7	1	1.2	1	0.384	1	3.476	1	9.055	1	2532	49	3.2
3678.5	10000	38.2854	94.2980	-537	PP	4.1	2	10.7	1	1.2	1	0.386	1	3.342	1	8.653	0	2582	40	3.2
3678.6	10000	38.2854	94.2972	-536	PP	4.3	2	11.0	2	1.2	1	0.388	1	3.511	1	9.052	1	2601	55	3.2
3678.7	10000	38.2854	94.2965	-535	PP	4.3	2	11.0	2	1.2	1	0.392	1	3.682	1	9.402	1	2617	45	3.2
3678.8	10000	38.2854	94.2958	-535	PP	4.5	2	11.1	2	1.2	1	0.404	1	3.844	1	9.526	1	2602	46	3.2
3678.9	10000	38.2854	94.2950	-536	PP	4.2	2	11.1	2	1.1	0	0.381	1	3.763	1	9.870	1	2561	62	3.2
3679.0	10000	38.2854	94.2943	-537	PP	4.2	2	10.8	2	1.1	0	0.375	1	3.623	1	9.662	1	2495	51	3.2
3679.1	10000	38.2854	94.2936	-538	PP	4.2	2	10.6	2	1.1	0	0.388	1	3.763	1	9.662	1	2424	51	3.2
3679.2	10000	38.2854	94.2928	-539	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2363	51	3.2
3679.3	10000	38.2854	94.2921	-541	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2336	51	3.2
3679.4	10000	38.2854	94.2914	-542	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2317	51	3.2
3679.5	10000	38.2854	94.2907	-544	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2293	51	3.2
3679.6	10000	38.2854	94.2899	-546	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2264	51	3.2
3679.7	10000	38.2854	94.2892	-548	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2244	51	3.2
3679.8	10000	38.2854	94.2885	-551	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2201	51	3.2
3679.9	10000	38.2854	94.2878	-554	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2152	51	3.2
3680.0	10000	38.2854	94.2871	-556	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2108	51	3.2
3680.1	10000	38.2854	94.2863	-555	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2074	51	3.2
3680.2	10000	38.2854	94.2856	-558	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2059	51	3.2
3680.3	10000	38.2854	94.2849	-566	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2066	51	3.2
3680.4	10000	38.2854	94.2842	-572	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2071	51	3.2
3680.5	10000	38.2854	94.2835	-576	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2099	51	3.2
3680.6	10000	38.2854	94.2828	-579	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2117	51	3.2
3680.7	10000	38.2854	94.2820	-581	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2134	51	3.2
3680.8	10000	38.2854	94.2813	-584	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2153	51	3.2
3680.9	10000	38.2854	94.2806	-587	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2153	51	3.2
3681.0	10000	38.2854	94.2799	-588	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2153	51	3.2
3681.1	10000	38.2854	94.2792	-589	PP	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2153	51	3.2
3681.2	10000	38.2854	94.2785	-589	PM	4.2	2	10.5	2	1.1	0	0.388	1	3.763	1	9.662	1	2153	51	3.2

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3681.3	10000	38.2854	94.2777	-590	PM	3.9	1	9.8	0	0.9	-1	0.396	1	4.467	2	11.295	2	2171	46	3.0
3681.4	10000	38.2854	94.2770	-591	PM	3.8	1	10.1	0	0.9	-1	0.376	1	4.250	2	11.309	2	2196	38	3.0
3681.5	10000	38.2854	94.2763	-591	PM	4.0	1	9.8	0	1.0	-1	0.407	1	4.163	2	10.234	1	2200	43	3.0
3681.6	10000	38.2854	94.2756	-591	PM	3.8	1	10.0	1	1.0	-1	0.376	1	3.871	1	10.282	1	2200	45	3.0
3681.7	10000	38.2854	94.2749	-591	PM	3.5	1	10.3	1	1.0	0	0.337	1	3.448	1	10.218	1	2207	51	3.0
3681.8	10000	38.2854	94.2742	-591	PM	3.3	1	10.1	1	1.1	0	0.327	1	3.046	0	9.322	0	2235	48	2.9
3681.9	10000	38.2854	94.2735	-592	PM	3.3	1	10.2	1	1.1	0	0.320	-1	2.950	0	9.208	0	2254	42	2.9
3682.0	10000	38.2854	94.2727	-592	PM	3.4	1	10.6	1	1.1	0	0.319	-1	3.004	0	9.418	0	2266	49	2.9
3682.1	10000	38.2854	94.2720	-593	PM	3.5	1	10.3	1	1.1	0	0.337	-1	3.055	0	9.070	0	2294	40	2.9
3682.2	10000	38.2854	94.2713	-594	PM	3.4	1	10.9	1	1.1	0	0.313	-1	3.094	0	9.885	1	2328	32	2.9
3682.3	10000	38.2854	94.2706	-595	PM	3.5	1	10.9	1	1.1	0	0.321	-1	3.090	0	9.620	1	2362	47	2.9
3682.4	10000	38.2854	94.2699	-598	PM	3.6	1	10.8	1	1.2	1	0.332	1	3.008	0	9.048	0	2392	51	2.9
3682.5	10000	38.2855	94.2691	-600	PM	3.7	1	11.1	2	1.2	1	0.336	1	3.149	0	9.381	0	2408	41	2.9
3682.6	10000	38.2854	94.2684	-604	PM	3.7	1	10.8	1	1.2	1	0.345	1	3.084	0	8.926	0	2423	41	2.9
3682.7	10000	38.2855	94.2677	-606	PM	3.7	1	10.5	1	1.2	1	0.352	1	2.936	0	8.333	0	2451	47	2.9
3682.8	10000	38.2855	94.2670	-610	PM	3.7	1	10.4	1	1.3	1	0.361	1	2.887	-1	7.997	-1	2466	50	2.9
3682.9	10000	38.2855	94.2663	-614	PM	3.9	1	10.5	1	1.3	1	0.373	1	3.020	-1	8.103	-1	2464	49	2.9
3683.0	10000	38.2855	94.2656	-618	PM	4.0	1	10.4	1	1.3	1	0.388	1	3.204	0	8.253	0	2456	46	2.8
3683.1	10000	38.2855	94.2648	-622	PM	4.0	1	10.7	1	1.3	1	0.378	1	3.261	0	8.634	0	2464	33	2.8
3683.2	10000	38.2855	94.2641	-626	PM	3.9	1	11.0	2	1.3	1	0.357	1	3.209	0	8.989	0	2468	43	2.8
3683.3	10000	38.2855	94.2634	-630	PM	4.0	1	11.5	2	1.3	1	0.346	1	3.291	0	9.504	0	2484	55	2.8
3683.4	10000	38.2855	94.2627	-635	PM	3.8	1	11.3	2	1.3	1	0.338	1	3.121	0	9.241	0	2492	59	2.8
3683.5	10000	38.2855	94.2620	-640	PM	3.8	1	12.4	2	1.3	1	0.303	-1	3.033	0	10.024	1	2531	42	2.8
3683.6	10000	38.2855	94.2613	-646	PM	3.5	1	12.2	2	1.4	1	0.288	-1	2.732	-1	9.491	0	2565	55	2.8
3683.7	10000	38.2855	94.2606	-652	PM	3.7	1	12.0	2	1.4	1	0.304	-1	2.704	-1	8.883	0	2599	51	2.8
3683.8	10000	38.2855	94.2598	-659	PM	3.9	1	12.1	2	1.4	1	0.323	-1	2.924	0	9.058	0	2629	43	2.8
3683.9	10000	38.2855	94.2591	-667	PM	4.1	2	12.0	2	1.4	1	0.344	-1	2.965	0	8.622	0	2649	29	2.8
3684.0	10000	38.2855	94.2584	-675	PM	4.2	2	11.9	2	1.4	1	0.352	-1	2.944	0	8.363	0	2665	41	2.8
3684.1	10000	38.2855	94.2577	-684	PM	4.3	2	11.8	2	1.4	1	0.367	-1	3.141	0	8.554	0	2678	55	2.8
3684.2	10000	38.2855	94.2570	-693	PM	4.3	2	11.8	2	1.4	1	0.383	-1	3.112	-1	8.117	-1	2675	56	2.7
3684.3	10000	38.2855	94.2563	-702	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.167	-1	7.961	-1	2682	37	2.7
3684.4	10000	38.2855	94.2555	-711	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.951	0	7.477	0	2684	55	2.7
3684.5	10000	38.2855	94.2548	-720	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.718	0	7.994	0	2692	52	2.7
3684.6	10000	38.2855	94.2541	-729	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.850	0	7.944	0	2701	43	2.7
3684.7	10000	38.2855	94.2534	-738	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.809	0	7.372	0	2714	65	2.7
3684.8	10000	38.2855	94.2527	-745	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.565	0	7.263	0	2695	44	2.7
3684.9	10000	38.2855	94.2520	-753	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.771	0	7.395	0	2676	41	2.7
3685.0	10000	38.2855	94.2512	-760	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.796	0	7.985	0	2650	40	2.7
3685.1	10000	38.2855	94.2505	-767	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.818	0	7.590	0	2625	45	2.7
3685.2	10000	38.2855	94.2498	-774	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.989	0	7.691	0	2577	43	2.7
3685.3	10000	38.2855	94.2491	-780	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.860	0	7.836	0	2537	53	2.7
3685.4	10000	38.2855	94.2484	-786	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.762	0	7.444	0	2498	50	2.7
3685.5	10000	38.2855	94.2477	-792	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.411	0	7.754	0	2462	38	2.7
3685.6	10000	38.2855	94.2469	-796	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.381	0	7.737	0	2421	59	2.7
3685.7	10000	38.2855	94.2462	-799	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.885	0	7.527	0	2389	44	2.7
3685.8	10000	38.2855	94.2455	-804	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.452	0	7.015	0	2359	48	2.7
3685.9	10000	38.2855	94.2448	-807	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.745	0	7.576	0	2330	33	2.7
3686.0	10000	38.2855	94.2441	-810	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.307	0	7.870	0	2310	42	2.7
3686.1	10000	38.2855	94.2434	-813	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.034	0	7.288	0	2288	25	2.7
3686.2	10000	38.2856	94.2426	-815	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.117	0	7.021	0	2282	11	2.7
3686.3	10000	38.2856	94.2419	-817	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.056	0	7.261	0	2259	21	2.7
3686.4	10000	38.2856	94.2412	-818	PM	4.4	2	11.8	2	1.4	1	0.398	-1	3.348	0	7.921	0	2276	54	2.6

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3686.5	10000	38.2856	94.2405	-820	PM	3.7	1	10.0	1	1.0	0	0.375	0	3.663	1	9.776	1	2269	49	2.6
3686.6	10000	38.2856	94.2398	-820	PM	4.1	1	9.8	1	1.0	-1	0.415	0	4.221	2	10.174	1	2259	54	2.6
3686.7	10000	38.2856	94.2391	-821	PM	4.2	2	9.2	1	0.9	-1	0.458	1	4.715	2	10.304	1	2243	51	2.6
3686.8	10000	38.2856	94.2383	-821	PM	4.5	2	9.2	2	0.8	-2	0.486	2	5.385	4	11.080	2	2229	50	2.6
3686.9	10000	38.2856	94.2376	-821	PM	4.3	2	9.9	2	0.8	-2	0.428	1	5.579	4	13.021	3	2218	41	2.6
3687.0	10000	38.2856	94.2369	-820	PM	4.4	2	9.9	3	0.7	-3	0.447	2	6.363	5	14.234	4	2210	45	2.6
3687.1	10000	38.2856	94.2362	-820	PM	4.2	2	10.3	2	0.7	-2	0.411	1	6.045	5	14.711	4	2193	44	2.6
3687.2	10000	38.2856	94.2355	-820	PM	4.2	2	10.6	3	0.7	-3	0.390	1	5.964	4	15.284	5	2185	50	2.6
3687.3	10000	38.2856	94.2348	-819	PM	3.8	1	10.7	2	0.7	-2	0.356	0	5.122	3	14.406	4	2197	57	2.6
3687.4	10000	38.2856	94.2341	-817	PM	4.1	2	11.1	2	0.8	-2	0.369	0	5.466	4	14.826	4	2198	47	2.6
3687.5	10000	38.2856	94.2333	-816	PM	4.2	2	11.0	2	0.8	-2	0.376	0	5.316	3	14.138	4	2196	41	2.6
3687.6	10000	38.2856	94.2326	-815	PM	4.3	2	10.7	2	0.8	-2	0.402	1	5.066	3	12.597	3	2208	68	2.6
3687.7	10000	38.2856	94.2319	-813	PM	4.2	2	10.6	1	0.9	-1	0.392	1	4.695	2	11.971	2	2203	33	2.6
3687.8	10000	38.2856	94.2312	-811	PM	3.9	1	10.7	1	0.9	-1	0.365	0	4.304	2	11.781	2	2197	33	2.5
3687.9	10000	38.2856	94.2305	-810	PM	3.8	1	10.7	1	0.9	-1	0.356	0	4.070	2	11.442	2	2198	50	2.5
3688.0	10000	38.2856	94.2298	-808	PM	4.0	1	10.7	1	0.9	-1	0.372	0	4.388	2	11.794	2	2174	44	2.5
3688.1	10000	38.2856	94.2290	-806	PM	4.0	1	10.6	1	0.9	-1	0.375	0	4.322	2	11.521	2	2165	45	2.5
3688.2	10000	38.2856	94.2283	-805	PM	4.0	1	10.5	1	0.9	-1	0.380	0	4.350	2	11.448	2	2169	48	2.5
3688.3	10000	38.2856	94.2276	-804	PM	4.0	1	10.7	1	0.9	-1	0.375	0	4.425	2	11.795	2	2157	51	2.5
3688.4	10000	38.2856	94.2269	-803	PM	4.2	2	10.6	1	0.9	-1	0.392	1	4.486	2	11.444	2	2169	44	2.5
3688.5	10000	38.2856	94.2262	-802	PM	4.4	2	10.5	1	0.9	-1	0.416	1	4.836	3	11.626	2	2175	46	2.5
3688.6	10000	38.2856	94.2254	-802	PM	4.3	2	10.3	1	0.9	-1	0.421	1	4.878	3	11.591	2	2186	54	2.5
3688.7	10000	38.2856	94.2247	-801	PM	4.5	2	10.4	1	0.9	-1	0.428	1	4.980	3	11.641	2	2213	60	2.5
3688.8	10000	38.2856	94.2240	-800	PM	4.3	2	10.3	1	0.9	-1	0.420	1	4.549	3	10.819	1	2233	40	2.5
3688.9	10000	38.2856	94.2233	-799	PM	4.2	2	10.1	1	1.0	0	0.416	1	4.149	2	9.982	1	2240	36	2.5
3689.0	10000	38.2856	94.2226	-798	PM	4.2	2	9.8	1	1.0	0	0.448	2	3.965	1	8.849	0	2267	45	2.5
3689.1	10000	38.2856	94.2219	-797	PM	4.3	2	9.4	1	1.1	0	0.452	2	3.969	1	8.775	0	2292	43	2.5
3689.2	10000	38.2856	94.2212	-795	PM	4.3	2	9.9	1	1.1	0	0.488	2	3.835	1	7.854	-1	2320	50	2.5
3689.3	10000	38.2856	94.2204	-794	PM	4.5	2	9.1	1	1.2	0	0.492	2	3.778	1	7.675	-1	2345	41	2.5
3689.4	10000	38.2856	94.2197	-793	PM	4.2	2	9.2	1	1.3	0	0.461	2	3.346	0	7.261	-1	2367	35	2.6
3689.5	10000	38.2856	94.2190	-791	PM	4.2	2	9.5	1	1.3	0	0.433	2	3.220	0	7.441	-1	2397	46	2.6
3689.6	10000	38.2856	94.2183	-789	PM	4.2	2	9.8	1	1.3	0	0.430	2	3.383	0	7.865	-1	2416	46	2.6
3689.7	10000	38.2856	94.2176	-786	PM	4.4	2	9.7	1	1.3	0	0.413	2	3.590	0	8.687	0	2437	52	2.6
3689.8	10000	38.2856	94.2169	-784	PM	4.2	2	10.1	2	1.2	0	0.388	2	3.454	0	8.913	0	2451	44	2.6
3689.9	10000	38.2857	94.2161	-783	PM	4.4	2	10.7	2	1.2	0	0.375	2	3.751	1	10.013	1	2446	43	2.6
3690.0	10000	38.2856	94.2154	-780	PM	4.5	2	10.5	2	1.2	0	0.389	2	4.147	1	10.648	1	2417	48	2.6
3690.1	10000	38.2857	94.2147	-778	PM	4.7	2	10.7	2	1.2	0	0.412	2	4.583	1	11.128	1	2411	47	2.6
3690.2	10000	38.2857	94.2140	-774	PM	4.6	2	10.9	2	1.2	0	0.427	2	4.530	1	10.600	1	2397	50	2.6
3690.3	10000	38.2857	94.2133	-772	PM	4.7	2	10.7	2	1.2	0	0.436	2	4.426	1	10.151	1	2390	44	2.6
3690.4	10000	38.2857	94.2126	-769	PM	4.6	2	10.8	2	1.2	0	0.442	2	4.311	1	9.742	1	2373	54	2.6
3690.5	10000	38.2857	94.2118	-766	PM	4.6	2	10.9	2	1.2	0	0.463	3	4.469	1	9.658	1	2329	45	2.6
3690.6	10000	38.2857	94.2111	-763	PM	4.4	2	10.9	2	1.2	0	0.463	3	4.175	1	9.022	1	2318	50	2.6
3690.7	10000	38.2857	94.2104	-760	PM	4.4	2	10.9	2	1.2	0	0.397	2	3.703	1	9.330	1	2330	44	2.6
3690.8	10000	38.2857	94.2097	-757	PM	4.0	2	10.9	2	1.2	0	0.368	2	3.657	1	9.482	1	2312	68	2.6
3690.9	10000	38.2857	94.2090	-754	PM	4.0	2	10.9	2	1.2	0	0.365	2	3.727	1	9.141	1	2291	33	2.5
3691.0	10000	38.2857	94.2083	-751	PM	4.0	2	10.8	2	1.2	0	0.355	2	3.582	1	9.084	1	2280	33	2.5
3691.1	10000	38.2857	94.2076	-749	PM	4.0	2	10.7	2	1.2	0	0.347	2	3.505	1	9.095	1	2288	50	2.5
3691.2	10000	38.2857	94.2068	-746	PM	4.0	2	10.7	2	1.2	0	0.339	2	3.316	1	9.032	1	2306	44	2.5
3691.3	10000	38.2857	94.2061	-745	PM	4.0	2	10.7	2	1.2	0	0.370	2	3.430	1	9.132	1	2309	37	2.5
3691.4	10000	38.2857	94.2054	-744	PM	4.0	2	10.7	2	1.2	0	0.387	2	3.465	1	9.362	1	2326	36	2.5
3691.5	10000	38.2857	94.2047	-742	PM	4.2	2	10.7	2	1.2	0	0.409	2	3.419	1	9.721	1	2354	46	2.5
3691.6	10000	38.2857	94.2040	-741	PM	4.4	2	10.7	2	1.3	0	0.411	2	3.367	1	9.721	1	2354	46	2.5

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3691.7	10000	38.2857	94.2032	-741	PM	4.3	2	10.8	1	1.3	1	0.400	1	3.377	0	8.436	0	2386	49	2.7
3691.8	10000	38.2857	94.2025	-741	PM	4.3	2	10.8	1	1.3	1	0.401	1	3.401	0	8.479	0	2406	36	2.7
3691.9	10000	38.2857	94.2018	-742	PM	4.4	2	11.0	1	1.3	1	0.405	1	3.411	0	8.416	0	2446	45	2.7
3692.0	10000	38.2857	94.2011	-743	PM	4.2	2	11.6	2	1.3	2	0.367	1	3.247	0	8.839	0	2465	49	2.7
3692.1	10000	38.2857	94.2004	-745	PM	4.3	2	11.7	2	1.3	1	0.370	0	3.352	0	9.068	0	2485	42	2.7
3692.2	10000	38.2857	94.1997	-747	PM	4.4	2	12.3	3	1.3	1	0.359	0	3.413	0	9.513	0	2516	52	2.7
3692.3	10000	38.2857	94.1989	-749	PM	4.5	2	12.4	3	1.3	1	0.363	0	3.533	1	9.726	1	2541	41	2.8
3692.4	10000	38.2857	94.1982	-752	PM	4.7	2	12.6	3	1.2	1	0.377	0	3.796	1	10.074	1	2533	44	2.8
3692.5	10000	38.2857	94.1975	-755	PM	4.7	2	12.3	3	1.2	1	0.381	0	3.740	1	9.830	1	2502	43	2.8
3692.6	10000	38.2857	94.1968	-759	PM	4.4	2	12.0	2	1.3	1	0.368	0	3.525	1	9.572	1	2461	42	2.8
3692.7	10000	38.2857	94.1961	-763	PM	4.4	2	11.2	2	1.2	1	0.393	1	3.720	1	9.460	0	2401	47	2.8
3692.8	10000	38.2857	94.1954	-767	PM	4.2	2	10.9	1	1.1	0	0.385	1	3.692	1	9.582	1	2342	46	2.8
3692.9	10000	38.2857	94.1946	-771	PM	3.9	1	10.1	1	1.1	0	0.385	1	3.537	1	9.189	0	2249	56	2.8
3693.0	10000	38.2857	94.1939	-776	PM	3.5	0	9.6	0	1.0	0	0.368	1	3.452	1	9.372	0	2151	40	2.8
3693.1	10000	38.2857	94.1932	-781	PM	3.3	0	8.8	-1	0.9	-1	0.379	1	3.522	1	9.302	1	2064	48	2.9
3693.2	10000	38.2857	94.1925	-784	PM	3.3	0	8.6	-1	0.9	-1	0.388	1	3.862	1	9.952	1	2003	35	2.9
3693.3	10000	38.2857	94.1918	-789	PM	3.5	0	8.0	-1	0.8	-2	0.441	1	4.451	2	10.081	1	1964	41	2.9
3693.4	10000	38.2857	94.1911	-794	PM	3.5	0	7.8	-2	0.7	-2	0.455	2	4.758	3	10.454	1	1931	38	2.9
3693.5	10000	38.2857	94.1904	-798	PM	3.4	0	7.6	-2	0.7	-3	0.453	2	4.924	3	10.879	1	1913	40	2.9
3693.6	10000	38.2857	94.1896	-803	PM	3.9	1	7.8	-2	0.7	-3	0.505	2	5.711	4	11.301	2	1933	39	2.9
3693.7	10000	38.2857	94.1889	-808	PM	4.0	1	7.8	-2	0.7	-3	0.510	3	5.801	4	11.371	2	1950	52	2.9
3693.8	10000	38.2857	94.1882	-812	PM	3.8	1	8.5	-1	0.7	-2	0.447	2	5.188	3	11.599	2	1966	64	3.0
3693.9	10000	38.2857	94.1875	-816	PM	3.7	1	8.4	-1	0.8	-2	0.444	1	4.806	3	10.828	1	1992	63	3.0
3694.0	10000	38.2857	94.1868	-820	PM	3.7	1	8.1	-1	0.8	-2	0.451	2	4.781	3	10.592	1	1994	42	3.0
3694.1	10000	38.2857	94.1861	-823	PM	3.9	1	8.8	-1	0.8	-2	0.445	1	4.786	3	10.763	1	2016	52	3.0
3694.2	10000	38.2858	94.1853	-827	PM	4.0	1	8.7	-1	0.9	-1	0.459	2	4.703	2	10.255	1	2035	37	3.0
3694.3	10000	38.2858	94.1846	-831	PM	4.0	1	8.9	-2	0.9	-2	0.443	1	4.507	2	10.177	1	2040	49	3.0
3694.4	10000	38.2858	94.1839	-834	PM	3.8	1	8.9	-1	0.9	-2	0.448	1	4.431	2	9.896	1	2070	49	3.0
3694.5	10000	38.2858	94.1832	-838	PM	3.8	1	8.7	-1	0.9	-2	0.461	1	4.721	2	9.683	1	2092	53	3.0
3694.6	10000	38.2858	94.1825	-841	PM	3.7	1	8.7	-1	0.9	-2	0.451	1	4.409	2	9.573	1	2089	50	3.0
3694.7	10000	38.2858	94.1817	-844	PM	3.7	1	8.6	-1	0.9	-2	0.451	1	4.594	2	10.193	1	2084	41	3.0
3694.8	10000	38.2858	94.1810	-846	PM	3.7	1	8.3	-1	0.9	-2	0.457	1	4.520	2	10.012	1	2083	57	3.0
3694.9	10000	38.2858	94.1803	-850	PM	3.7	1	8.2	-1	0.9	-2	0.421	1	4.500	2	9.838	1	2076	51	3.0
3695.0	10000	38.2858	94.1796	-853	PM	3.7	1	8.1	-1	0.9	-2	0.430	1	4.278	2	9.149	1	2065	53	3.0
3695.1	10000	38.2858	94.1789	-856	PM	3.7	1	8.0	-1	0.9	-2	0.447	1	4.348	2	9.112	1	2043	40	3.0
3695.2	10000	38.2858	94.1782	-859	PM	3.7	1	8.0	-1	0.9	-2	0.483	1	4.181	2	9.363	1	2050	41	3.0
3695.3	10000	38.2858	94.1775	-861	PM	3.6	1	7.9	-1	0.9	-2	0.503	1	4.740	2	9.813	1	2059	44	3.0
3695.4	10000	38.2858	94.1767	-863	PM	3.5	1	7.7	-1	0.9	-2	0.524	1	4.474	2	9.897	1	2077	53	3.0
3695.5	10000	38.2858	94.1760	-866	PM	3.5	1	7.7	-1	0.9	-2	0.515	1	4.389	2	9.368	1	2078	37	3.0
3695.6	10000	38.2858	94.1753	-868	PM	3.5	1	7.7	-1	0.9	-2	0.532	1	4.536	2	9.810	1	2072	45	3.0
3695.7	10000	38.2858	94.1746	-870	PM	3.5	1	7.7	-1	0.9	-2	0.522	1	4.530	2	9.517	1	2078	48	3.0
3695.8	10000	38.2858	94.1739	-872	PM	3.5	1	7.7	-1	0.9	-2	0.476	1	4.392	2	9.420	1	2077	46	3.0
3695.9	10000	38.2858	94.1732	-873	PM	3.5	1	7.7	-1	0.9	-2	0.462	1	4.194	2	9.803	1	2067	34	3.0
3696.0	10000	38.2858	94.1724	-875	PM	3.5	1	7.7	-1	0.9	-2	0.421	1	3.925	2	9.500	1	2076	66	3.0
3696.1	10000	38.2858	94.1717	-877	PM	3.5	1	7.7	-1	0.9	-2	0.403	1	3.652	2	9.671	1	2073	41	3.0
3696.2	10000	38.2858	94.1710	-879	PM	3.5	1	7.7	-1	0.9	-2	0.397	1	3.560	2	9.250	1	2087	88	3.0
3696.3	10000	38.2858	94.1702	-881	PM	3.5	1	7.7	-1	0.9	-2	0.412	1	3.522	2	9.193	1	2098	55	3.0
3696.4	10000	38.2858	94.1695	-883	PM	3.5	1	7.7	-1	0.9	-2	0.467	1	3.941	2	9.941	1	2125	46	3.0
3696.5	10000	38.2858	94.1687	-885	PM	3.5	1	7.7	-1	0.9	-2	0.431	1	3.705	2	9.316	1	2154	66	3.0
3696.6	10000	38.2858	94.1680	-886	PM	3.5	1	7.7	-1	0.9	-2	0.463	1	3.587	2	9.683	1	2176	61	3.0
3696.7	10000	38.2857	94.1672	-887	PM	3.5	1	7.7	-1	0.9	-2	0.454	1	4.022	2	9.855	1	2199	85	3.0
3696.8	10000	38.2857	94.1665	-889	PM	3.5	1	7.7	-1	0.9	-2	0.454	1	4.022	2	9.855	1	2227	55	3.0

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3696.9	10000	38.2857	94.1657	-890	PM	3.9	1	8.6	-1	0.9	-1	0.450	2	4.104	2	9.113	0	2244	51	3.4
3697.0	10000	38.2857	94.1650	-891	PM	4.0	1	9.2	0	1.0	-1	0.438	1	4.210	2	9.608	1	2288	42	3.4
3697.1	10000	38.2857	94.1642	-892	PM	3.8	1	9.3	0	1.0	-1	0.411	1	3.956	1	9.620	1	2321	39	3.4
3697.2	10000	38.2857	94.1635	-893	PM	4.0	1	10.0	1	1.0	-1	0.398	1	3.996	1	10.037	1	2363	50	3.4
3697.3	10000	38.2857	94.1627	-893	PM	3.6	1	10.3	1	1.0	0	0.350	0	3.465	1	9.906	1	2418	46	3.4
3697.4	10000	38.2857	94.1620	-894	PM	3.8	1	10.3	1	1.1	0	0.365	0	3.477	1	9.517	0	2481	44	3.4
3697.5	10000	38.2857	94.1612	-894	PM	3.8	1	10.7	1	1.2	1	0.357	0	3.296	1	9.222	0	2524	42	3.4
3697.6	10000	38.2857	94.1605	-894	PM	4.1	2	11.3	2	1.3	1	0.363	1	3.377	1	9.301	0	2590	57	3.5
3697.7	10000	38.2857	94.1597	-894	PM	3.9	1	11.0	1	1.3	1	0.360	0	3.093	0	8.596	0	2613	42	3.5
3697.8	10000	38.2857	94.1590	-894	PM	4.1	2	11.1	2	1.3	2	0.375	0	3.170	0	8.445	0	2636	45	3.5
3697.9	10000	38.2857	94.1582	-894	PM	4.2	2	10.8	1	1.4	2	0.389	1	3.068	0	7.877	-1	2653	48	3.5
3698.0	10000	38.2857	94.1575	-893	PM	4.7	3	11.3	2	1.3	2	0.416	1	3.493	0	8.397	0	2648	44	3.5
3698.1	10000	38.2857	94.1568	-892	PM	4.5	2	10.9	1	1.4	2	0.415	1	3.347	0	8.065	-1	2619	51	3.5
3698.2	10000	38.2857	94.1560	-891	PM	4.4	2	11.0	1	1.4	2	0.398	1	3.188	0	8.012	-1	2599	49	3.5
3698.3	10000	38.2857	94.1553	-890	PM	3.9	1	10.7	1	1.3	2	0.359	0	2.897	0	8.076	-1	2538	47	3.5
3698.4	10000	38.2856	94.1545	-889	PM	3.8	1	10.1	1	1.3	1	0.375	0	3.025	0	8.076	-1	2495	64	3.5
3698.5	10000	38.2856	94.1538	-887	PM	3.9	1	9.9	1	1.2	1	0.393	1	3.179	0	8.090	-1	2447	48	3.5
3698.6	10000	38.2856	94.1530	-887	PM	3.7	1	9.9	0	1.1	0	0.377	0	3.276	0	8.699	0	2387	42	3.5
3698.7	10000	38.2856	94.1523	-887	PM	3.3	0	9.5	0	1.1	0	0.350	0	2.946	0	8.423	0	2340	51	3.5
3698.8	10000	38.2856	94.1515	-885	PM	3.3	1	9.4	0	1.1	0	0.355	0	3.161	0	8.903	0	2289	64	3.5
3698.9	10000	38.2856	94.1508	-884	PM	3.6	1	9.3	0	1.1	0	0.382	0	3.493	1	9.139	0	2271	50	3.6
3699.0	10000	38.2856	94.1500	-883	PM	3.9	1	8.6	-1	1.1	0	0.449	0	3.734	1	8.321	0	2264	41	3.6
3699.1	10000	38.2856	94.1493	-881	PM	4.4	2	8.8	-1	1.1	0	0.501	0	4.277	2	8.532	0	2274	40	3.6
3699.2	10000	38.2856	94.1485	-879	PM	4.4	2	8.9	0	1.1	0	0.488	0	4.250	2	8.718	0	2259	40	3.6
3699.3	10000	38.2856	94.1478	-878	PM	4.2	2	8.7	-1	1.1	0	0.486	0	4.112	2	8.460	0	2244	39	3.6
3699.4	10000	38.2856	94.1470	-876	PM	4.2	2	8.8	-1	1.1	0	0.480	0	4.034	2	8.408	0	2234	48	3.6
3699.5	10000	38.2856	94.1463	-874	PM	3.8	2	8.8	-1	1.1	0	0.449	0	3.754	1	8.357	0	2237	52	3.6
3699.6	10000	38.2856	94.1455	-873	PM	3.8	2	8.8	-1	1.1	0	0.422	0	3.642	1	8.621	0	2232	42	3.6
3699.7	10000	38.2855	94.1448	-872	PM	3.6	2	8.8	-1	1.1	0	0.400	0	3.533	1	8.824	0	2248	52	3.6
3699.8	10000	38.2855	94.1440	-871	PM	3.5	2	8.8	-1	1.1	0	0.384	0	3.280	1	8.538	0	2262	43	3.6
3699.9	10000	38.2855	94.1433	-869	PM	3.5	2	8.8	-1	1.1	0	0.384	0	3.269	1	8.509	0	2297	50	3.6
3700.0	10000	38.2855	94.1425	-868	PM	3.6	2	8.8	-1	1.1	0	0.398	0	3.299	1	8.283	0	2346	51	3.6
3700.1	10000	38.2855	94.1418	-866	PM	3.8	2	8.8	-1	1.1	0	0.444	0	3.615	1	8.144	0	2413	41	3.6
3700.2	10000	38.2855	94.1410	-866	PM	3.9	2	8.8	-1	1.1	0	0.489	0	3.935	1	8.048	0	2469	41	3.6
3700.3	10000	38.2855	94.1403	-865	PM	4.0	2	8.8	-1	1.1	0	0.529	0	4.061	2	7.675	0	2546	51	3.6
3700.4	10000	38.2855	94.1395	-864	PM	4.1	2	8.8	-1	1.1	0	0.541	0	4.304	2	7.957	-1	2625	45	3.6
3700.5	10000	38.2855	94.1388	-864	PM	4.2	2	8.8	-1	1.1	0	0.511	0	4.330	2	8.470	-1	2693	55	3.6
3700.6	10000	38.2855	94.1380	-863	PM	4.2	2	8.8	-1	1.1	0	0.502	0	4.234	2	8.426	-1	2734	41	3.7
3700.7	10000	38.2855	94.1373	-862	PM	4.3	2	8.8	-1	1.1	0	0.478	0	4.224	2	8.843	-1	2786	52	3.7
3700.8	10000	38.2855	94.1366	-861	PM	4.3	2	8.8	-1	1.1	0	0.448	0	3.971	1	8.862	-1	2791	48	3.7
3700.9	10000	38.2855	94.1358	-860	PM	4.3	2	8.8	-1	1.1	0	0.451	0	4.106	2	9.095	-1	2788	43	3.7
3701.0	10000	38.2855	94.1351	-859	PM	4.3	2	8.8	-1	1.1	0	0.402	0	3.808	1	9.464	-1	2756	44	3.7
3701.1	10000	38.2855	94.1343	-858	PM	4.3	2	8.8	-1	1.1	0	0.392	0	3.554	1	9.076	0	2697	34	3.7
3701.2	10000	38.2854	94.1336	-857	PM	4.3	2	8.8	-1	1.1	0	0.389	0	3.682	1	9.470	0	2641	40	3.7
3701.3	10000	38.2854	94.1328	-856	PM	4.3	2	8.8	-1	1.1	0	0.392	0	3.782	1	9.641	0	2587	37	3.7
3701.4	10000	38.2854	94.1321	-855	PM	4.3	2	8.8	-1	1.1	0	0.409	0	3.953	1	9.275	1	2510	50	3.7
3701.5	10000	38.2854	94.1313	-854	PM	4.3	2	8.8	-1	1.1	0	0.431	0	4.250	2	9.456	1	2459	44	3.7
3701.6	10000	38.2854	94.1306	-852	PM	4.3	2	8.8	-1	1.1	0	0.403	0	4.374	2	9.427	1	2424	42	3.7
3701.7	10000	38.2854	94.1298	-850	PM	4.3	2	8.8	-1	1.1	0	0.381	0	4.288	2	9.191	1	2392	47	3.7
3701.8	10000	38.2854	94.1291	-849	PM	4.3	2	8.8	-1	1.1	0	0.369	0	4.369	2	9.190	1	2376	35	3.7
3701.9	10000	38.2854	94.1283	-847	PM	4.3	2	8.8	-1	1.1	0	0.374	0	4.676	2	9.950	1	2370	33	3.7
3702.0	10000	38.2854	94.1276	-845	PM	3.7	1	8.9	-1	1.0	-1	0.374	0	3.836	1	10.266	1	2373	33	3.7

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3702.1	10000	38.2854	94.1268	-842	PM	3.6	1	9.6	0	1.0	-1	0.370	0	3.575	1	9.657	1	2369	44	3.7
3702.2	10000	38.2854	94.1261	-840	PM	3.2	0	9.5	0	1.0	-1	0.334	0	3.234	0	9.684	1	2348	44	3.7
3702.3	10000	38.2854	94.1253	-838	PM	3.4	0	9.2	0	1.0	-1	0.374	0	3.545	1	9.481	0	2325	31	3.7
3702.4	10000	38.2854	94.1246	-836	PM	3.8	1	8.8	-1	0.9	-1	0.430	1	4.124	2	9.600	1	2320	57	3.7
3702.5	10000	38.2854	94.1238	-834	PM	3.5	0	8.8	-1	0.9	-1	0.398	1	3.987	1	10.019	1	2304	51	3.7
3702.6	10000	38.2853	94.1231	-832	PM	3.4	0	8.9	-1	0.9	-1	0.381	0	3.881	1	10.185	1	2281	36	3.7
3702.7	10000	38.2853	94.1223	-830	PM	3.2	0	8.9	-1	0.9	-1	0.358	0	3.638	1	10.173	1	2270	35	3.7
3702.8	10000	38.2853	94.1216	-828	PM	3.2	0	9.1	0	0.9	-1	0.350	0	3.502	1	9.995	1	2284	41	3.7
3702.9	10000	38.2853	94.1208	-826	PM	3.5	0	9.4	0	0.9	-1	0.370	0	3.800	1	10.279	1	2328	51	3.7
3703.0	10000	38.2853	94.1201	-824	PM	3.6	1	10.0	1	1.0	-1	0.363	0	3.672	1	10.128	1	2410	39	3.7
3703.1	10000	38.2853	94.1193	-821	PM	3.9	1	10.4	1	1.1	0	0.377	0	3.676	1	9.760	1	2512	46	3.7
3703.2	10000	38.2853	94.1186	-819	PM	4.4	2	10.5	1	1.1	0	0.417	1	3.952	1	9.467	0	2615	52	3.7
3703.3	10000	38.2853	94.1178	-816	PM	4.8	3	10.9	1	1.2	1	0.440	1	3.994	1	9.084	0	2711	40	3.7
3703.4	10000	38.2853	94.1171	-814	PM	5.2	4	10.9	1	1.3	1	0.478	2	4.028	1	8.427	0	2783	49	3.7
3703.5	10000	38.2853	94.1163	-811	PM	5.1	3	11.2	2	1.3	1	0.452	2	3.925	1	8.681	0	2836	38	3.7
3703.6	10000	38.2853	94.1156	-808	PM	5.1	3	11.4	2	1.4	2	0.445	1	3.715	1	8.344	0	2854	50	3.7
3703.7	10000	38.2853	94.1149	-806	PM	4.7	3	11.2	2	1.3	2	0.417	1	3.504	1	8.393	0	2836	39	3.7
3703.8	10000	38.2853	94.1141	-803	PM	4.3	2	11.3	2	1.3	2	0.378	0	3.252	0	8.595	0	2785	41	3.7
3703.9	10000	38.2853	94.1134	-800	PM	3.9	1	11.7	2	1.3	1	0.329	0	2.969	0	9.016	0	2754	38	3.7
3704.0	10000	38.2852	94.1126	-797	PM	3.7	1	12.0	3	1.3	1	0.310	-1	2.919	0	9.429	0	2721	41	3.7
3704.1	10000	38.2852	94.1118	-793	PM	3.3	0	12.6	3	1.2	1	0.260	-1	2.753	-1	10.604	1	2694	48	3.7
3704.2	10000	38.2852	94.1111	-790	PM	3.5	0	12.4	3	1.2	1	0.282	-1	2.948	0	10.452	1	2680	56	3.7
3704.3	10000	38.2852	94.1104	-786	PM	3.6	1	11.9	2	1.1	0	0.306	-1	3.179	0	10.405	1	2696	54	3.7
3704.4	10000	38.2852	94.1096	-782	PM	3.9	1	11.7	2	1.1	0	0.333	0	3.399	0	10.212	1	2694	41	3.7
3704.5	10000	38.2852	94.1089	-779	PM	4.2	2	11.3	2	1.1	0	0.376	0	3.740	1	9.952	1	2692	61	3.7
3704.6	10000	38.2852	94.1081	-774	PM	4.6	3	11.1	2	1.1	0	0.414	1	4.039	1	9.765	1	2689	34	3.7
3704.7	10000	38.2852	94.1074	-771	PC	4.7	2	10.7	1	1.2	0	0.436	1	4.059	1	9.304	0	2692	48	3.7
3704.8	10000	38.2852	94.1066	-767	PC	5.0	2	10.6	1	1.2	0	0.470	1	3.997	1	8.511	0	2746	43	3.7
3704.9	10000	38.2852	94.1059	-764	PC	4.9	2	10.7	1	1.2	0	0.490	2	3.925	1	8.017	0	2790	41	3.7
3705.0	10000	38.2852	94.1051	-761	PC	5.0	2	10.7	1	1.3	0	0.464	1	3.775	1	8.136	0	2805	31	3.7
3705.1	10000	38.2852	94.1044	-758	PC	5.0	2	11.0	1	1.3	0	0.452	1	3.856	1	8.526	0	2817	32	3.7
3705.2	10000	38.2852	94.1036	-756	PC	5.0	2	11.0	1	1.3	0	0.452	1	3.907	1	8.636	0	2802	59	3.7
3705.3	10000	38.2851	94.1029	-754	PC	4.8	2	10.9	1	1.3	0	0.465	1	3.911	1	8.412	0	2739	39	3.7
3705.4	10000	38.2851	94.1021	-752	PC	4.7	2	9.9	1	1.2	0	0.471	1	3.962	1	8.419	0	2676	46	3.7
3705.5	10000	38.2851	94.1014	-751	PC	4.4	2	9.9	1	1.1	0	0.449	1	4.004	1	8.918	0	2558	45	3.7
3705.6	10000	38.2851	94.1006	-750	PC	4.3	1	10.4	1	1.0	0	0.415	1	4.040	2	9.741	1	2464	47	3.7
3705.7	10000	38.2851	94.0999	-750	PC	4.2	1	10.8	1	1.0	0	0.418	1	4.253	2	10.169	1	2385	50	3.7
3705.8	10000	38.2851	94.0991	-750	PC	4.1	1	10.9	1	0.9	0	0.419	1	4.366	2	10.420	1	2310	44	3.7
3705.9	10000	38.2851	94.0984	-751	PC	4.0	1	9.9	1	0.9	0	0.414	1	4.195	2	10.139	1	2270	44	3.7
3706.0	10000	38.2851	94.0976	-752	PC	3.8	1	9.8	1	0.9	0	0.384	1	4.043	2	10.536	1	2274	47	3.7
3706.1	10000	38.2851	94.0969	-754	PC	3.7	1	9.8	1	0.9	0	0.377	1	3.911	1	10.375	1	2280	47	3.7
3706.2	10000	38.2851	94.0961	-756	PC	4.0	1	9.8	1	0.9	0	0.406	1	4.115	2	10.136	1	2301	52	3.7
3706.3	10000	38.2851	94.0954	-758	PC	4.0	1	9.7	1	0.9	0	0.427	1	4.195	2	9.835	1	2307	42	3.7
3706.4	10000	38.2851	94.0946	-760	PC	4.0	1	9.7	1	0.9	0	0.417	1	4.155	2	9.954	1	2331	42	3.7
3706.5	10000	38.2851	94.0939	-762	PC	3.8	1	9.9	1	0.9	0	0.391	1	3.873	1	9.909	1	2359	50	3.7
3706.6	10000	38.2851	94.0931	-765	PC	4.2	1	9.7	1	0.9	0	0.393	1	4.139	2	10.544	1	2374	47	3.7
3706.7	10000	38.2850	94.0924	-767	PC	4.4	1	9.9	1	0.9	0	0.423	1	4.618	2	10.914	1	2382	44	3.7
3706.8	10000	38.2850	94.0916	-769	PC	4.4	1	9.9	1	0.9	0	0.439	1	4.972	2	11.336	2	2386	49	3.7
3706.9	10000	38.2850	94.0909	-772	PC	4.3	1	9.9	1	0.9	0	0.439	1	4.813	2	10.975	1	2392	43	3.7
3707.0	10000	38.2850	94.0901	-774	PC	4.3	1	10.0	1	0.9	0	0.436	1	4.514	2	10.355	1	2406	46	3.7
3707.1	10000	38.2850	94.0894	-776	PC	4.3	1	10.0	1	1.0	0	0.434	1	4.524	2	10.432	1	2395	35	3.7
3707.2	10000	38.2850	94.0887	-778	PC	4.3	1	10.0	1	1.0	0	0.432	1	4.446	2	10.298	1	2395	48	3.7

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3707.3	10000	38.2850	94.0879	-780	PC	4.3	1	10.2	1	1.0	0	0.419	1	4.177	2	9.971	1	2397	46	3.7
3707.4	10000	38.2850	94.0872	-782	PC	3.9	1	9.8	1	1.0	0	0.401	1	3.742	1	9.323	0	2396	49	3.7
3707.5	10000	38.2850	94.0864	-784	PC	3.6	1	9.5	0	1.1	0	0.385	0	3.321	0	8.633	0	2391	53	3.7
3707.6	10000	38.2850	94.0857	-786	PC	3.8	1	9.3	0	1.1	0	0.410	1	3.539	1	8.633	0	2389	47	3.7
3707.7	10000	38.2850	94.0849	-787	PC	3.8	1	9.4	0	1.0	0	0.404	1	3.836	1	9.493	1	2363	62	3.7
3707.8	10000	38.2850	94.0842	-789	PC	3.6	1	9.1	0	1.0	0	0.400	1	3.576	1	8.951	0	2369	40	3.7
3707.9	10000	38.2850	94.0834	-790	PC	3.7	1	9.6	0	1.0	0	0.391	1	3.699	1	9.468	0	2381	42	3.7
3708.0	10000	38.2850	94.0827	-791	PC	3.6	0	9.7	0	1.0	0	0.368	0	3.614	1	9.812	1	2395	49	3.7
3708.1	10000	38.2849	94.0819	-793	PC	3.6	1	10.3	1	1.0	0	0.354	0	3.573	1	10.103	1	2418	48	3.7
3708.2	10000	38.2849	94.0812	-793	PC	3.7	1	11.1	2	1.0	0	0.331	0	3.726	1	11.270	2	2454	51	3.7
3708.3	10000	38.2849	94.0804	-794	PC	3.5	0	11.6	2	1.0	0	0.298	-1	3.548	1	11.907	2	2474	42	3.7
3708.4	10000	38.2849	94.0797	-795	PC	3.3	0	11.9	2	1.0	0	0.282	-1	3.334	0	11.821	2	2506	42	3.7
3708.5	10000	38.2849	94.0789	-797	PC	3.7	1	12.1	2	0.9	-1	0.304	-1	4.035	1	13.287	3	2513	36	3.7
3708.6	10000	38.2849	94.0782	-798	PC	3.9	1	11.6	2	0.9	-1	0.337	0	4.433	2	13.152	3	2537	51	3.7
3708.7	10000	38.2849	94.0774	-798	PC	4.1	1	11.3	2	0.9	-1	0.359	0	4.607	2	12.847	3	2567	28	3.7
3708.8	10000	38.2849	94.0767	-799	PC	4.4	2	11.5	2	0.9	-1	0.380	0	5.090	3	13.394	3	2575	42	3.7
3708.9	10000	38.2849	94.0759	-800	PC	4.5	2	11.4	2	0.9	-1	0.392	1	4.899	2	12.496	3	2586	40	3.7
3709.0	10000	38.2849	94.0752	-800	PC	4.5	2	11.5	2	1.0	0	0.393	1	4.628	2	11.770	2	2634	52	3.7
3709.1	10000	38.2849	94.0744	-800	PC	4.8	2	11.7	2	1.0	0	0.413	1	4.686	2	11.339	2	2663	44	3.7
3709.2	10000	38.2849	94.0737	-801	PC	4.8	2	12.1	2	1.1	0	0.397	1	4.343	2	10.947	1	2708	45	3.7
3709.3	10000	38.2849	94.0729	-802	PC	4.7	2	12.6	3	1.2	0	0.375	0	4.031	1	10.741	1	2738	39	3.7
3709.4	10000	38.2848	94.0722	-802	PC	4.7	2	12.9	3	1.2	0	0.366	0	3.974	1	10.848	1	2737	38	3.7
3709.5	10000	38.2848	94.0714	-802	PC	5.0	2	12.7	3	1.2	0	0.396	1	4.242	2	10.713	1	2754	47	3.7
3709.6	10000	38.2848	94.0707	-803	PC	5.0	2	12.6	3	1.2	0	0.397	1	4.244	2	10.695	1	2752	51	3.7
3709.7	10000	38.2848	94.0699	-803	PC	5.0	2	12.4	3	1.2	0	0.406	1	4.395	2	10.822	1	2735	49	3.7
3709.8	10000	38.2848	94.0692	-802	PC	4.9	2	12.4	3	1.2	0	0.398	1	4.268	2	10.724	1	2729	36	3.7
3709.9	10000	38.2848	94.0685	-802	PC	4.8	2	12.1	3	1.2	0	0.395	1	4.203	2	10.633	1	2710	49	3.7
3710.0	10000	38.2848	94.0677	-802	PC	4.6	2	11.8	2	1.2	0	0.392	1	3.987	1	10.169	1	2684	39	3.7
3710.1	10000	38.2848	94.0670	-801	PC	4.7	2	11.9	2	1.1	0	0.392	1	4.104	1	10.458	1	2656	58	3.7
3710.2	10000	38.2848	94.0662	-801	PC	4.4	2	11.4	2	1.1	0	0.386	0	3.829	1	10.480	1	2617	48	3.7
3710.3	10000	38.2848	94.0655	-800	PC	4.3	2	11.1	2	1.1	0	0.387	0	3.822	1	10.447	1	2583	38	3.7
3710.4	10000	38.2848	94.0647	-798	PC	4.3	2	11.0	2	1.1	0	0.391	0	3.851	1	10.321	1	2529	46	3.7
3710.5	10000	38.2848	94.0640	-796	PC	4.3	2	11.1	2	1.1	0	0.388	0	3.954	1	10.474	1	2477	39	3.7
3710.6	10000	38.2848	94.0632	-794	PC	4.3	2	11.2	2	1.1	0	0.387	0	3.862	1	10.056	1	2406	33	3.7
3710.7	10000	38.2848	94.0625	-791	PC	4.3	2	11.2	2	1.1	0	0.384	0	4.293	2	11.083	2	2334	45	3.7
3710.8	10000	38.2847	94.0617	-789	PC	4.3	2	11.2	2	1.1	0	0.387	0	4.422	2	11.059	2	2278	49	3.7
3710.9	10000	38.2847	94.0610	-786	PC	4.3	2	11.2	2	1.1	0	0.384	0	4.382	2	11.196	2	2239	51	3.7
3711.0	10000	38.2847	94.0602	-782	PC	4.3	2	11.2	2	1.1	0	0.387	0	4.434	2	11.416	2	2215	40	3.7
3711.1	10000	38.2847	94.0595	-779	PC	4.3	2	11.2	2	1.1	0	0.391	0	4.755	2	11.536	2	2207	34	3.7
3711.2	10000	38.2847	94.0587	-776	PC	4.3	2	11.2	2	1.1	0	0.388	0	4.359	2	11.141	2	2210	42	3.7
3711.3	10000	38.2847	94.0580	-772	PC	4.3	2	11.2	2	1.1	0	0.412	1	4.221	2	11.550	2	2243	47	3.7
3711.4	10000	38.2847	94.0572	-768	PC	4.3	2	11.2	2	1.1	0	0.391	0	4.035	2	11.779	2	2274	40	3.7
3711.5	10000	38.2847	94.0565	-765	PC	4.3	2	11.2	2	1.1	0	0.365	0	3.871	1	11.113	2	2318	43	3.7
3711.6	10000	38.2847	94.0557	-761	PC	4.3	2	11.2	2	1.1	0	0.374	0	3.654	1	10.782	2	2358	59	3.7
3711.7	10000	38.2847	94.0550	-756	PC	4.3	2	11.2	2	1.1	0	0.383	0	3.644	1	10.860	2	2386	41	3.7
3711.8	10000	38.2847	94.0542	-753	PC	4.3	2	11.2	2	1.1	0	0.362	0	3.818	1	10.135	2	2416	64	3.7
3711.9	10000	38.2847	94.0535	-748	PC	4.3	2	11.2	2	1.1	0	0.370	0	3.726	1	10.087	2	2431	45	3.7
3712.0	10000	38.2846	94.0527	-744	PC	4.3	2	11.2	2	1.1	0	0.377	0	3.695	1	10.532	2	2428	47	3.7
3712.1	10000	38.2846	94.0520	-740	PC	4.3	2	11.2	2	1.1	0	0.369	0	3.629	1	9.394	2	2430	27	3.7
3712.2	10000	38.2846	94.0512	-735	PC	4.3	2	11.2	2	1.1	0	0.424	1	3.778	1	9.472	2	2408	52	3.7
3712.3	10000	38.2846	94.0505	-730	PC	4.3	2	11.2	2	1.1	0	0.397	0	3.845	1	9.703	2	2416	52	3.7
3712.4	10000	38.2846	94.0498	-725	PC	4.3	2	11.2	2	1.1	0	0.393	0	3.865	1	9.806	2	2412	44	3.7

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3712.5	10000	38.2846	94.0490	-720	PC	3.6	0	9.3	0	1.2	0	0.384	0	3.055	0	7.961	-1	2401	46	3.7
3712.6	10000	38.2846	94.0483	-714	PC	3.5	0	9.5	0	1.2	0	0.373	0	3.062	0	8.204	0	2391	36	3.7
3712.7	10000	38.2846	94.0475	-708	PC	3.3	0	9.6	0	1.2	0	0.347	0	2.875	0	8.286	0	2402	41	3.7
3712.8	10000	38.2846	94.0468	-702	PC	3.0	0	9.5	0	1.1	0	0.315	0	2.607	-1	8.289	0	2399	46	3.7
3712.9	10000	38.2846	94.0461	-696	PC	3.3	0	9.3	0	1.2	1	0.357	0	2.715	0	7.615	-1	2409	59	3.7
3713.0	10000	38.2846	94.0453	-690	PC	3.3	0	8.8	0	1.2	1	0.375	0	2.643	-1	7.049	-1	2407	39	3.7
3713.1	10000	38.2846	94.0446	-683	PC	3.1	-1	8.6	0	1.2	1	0.387	0	2.717	0	7.031	-1	2410	48	3.7
3713.2	10000	38.2846	94.0439	-677	PC	3.2	0	9.1	0	1.2	0	0.337	0	2.561	-1	7.592	-1	2421	46	3.7
3713.3	10000	38.2846	94.0431	-670	PC	3.3	0	9.5	0	1.2	1	0.354	0	2.602	-1	7.357	-1	2452	52	3.7
3713.4	10000	38.2846	94.0424	-663	PC	3.3	0	9.0	0	1.3	1	0.373	0	2.593	-1	6.957	-1	2479	39	3.7
3713.5	10000	38.2846	94.0417	-657	PC	3.6	1	8.8	0	1.3	1	0.405	1	2.735	0	6.753	-1	2538	44	3.7
3713.6	10000	38.2846	94.0409	-650	PC	3.7	1	9.0	0	1.3	1	0.405	1	2.862	0	7.063	-1	2589	54	3.7
3713.7	10000	38.2846	94.0402	-644	PC	3.8	1	9.5	0	1.3	1	0.396	1	2.925	0	7.380	-1	2619	49	3.7
3713.8	10000	38.2846	94.0395	-638	PC	3.9	1	10.1	1	1.2	1	0.385	0	3.126	0	8.111	0	2640	40	3.7
3713.9	10000	38.2846	94.0387	-632	PC	3.9	1	9.9	1	1.2	1	0.395	1	3.246	0	8.215	0	2632	52	3.7
3714.0	10000	38.2846	94.0380	-626	PC	4.0	1	9.8	0	1.1	1	0.420	1	3.621	1	8.618	0	2607	46	3.7
3714.1	10000	38.2846	94.0373	-621	PC	4.0	1	10.1	1	1.1	0	0.396	1	3.739	1	9.436	0	2568	43	3.7
3714.2	10000	38.2846	94.0365	-616	PC	4.0	1	10.1	1	1.0	0	0.408	1	4.086	1	10.024	1	2502	50	3.7
3714.3	10000	38.2846	94.0358	-612	PC	4.2	1	9.8	0	0.9	-1	0.427	1	4.514	2	10.565	1	2443	51	3.7
3714.4	10000	38.2846	94.0351	-609	PC	4.3	1	9.6	0	0.8	-1	0.449	2	5.083	3	11.318	2	2389	44	3.7
3714.5	10000	38.2846	94.0343	-605	PC	4.3	1	9.1	0	0.9	-1	0.473	2	5.068	3	10.710	1	2349	40	3.7
3714.6	10000	38.2846	94.0336	-601	PC	4.9	2	9.0	0	0.8	-1	0.547	2	5.999	4	10.970	2	2346	51	3.7
3714.7	10000	38.2846	94.0329	-597	PC	4.7	2	9.1	0	0.8	-1	0.511	2	5.513	3	10.798	1	2346	51	3.7
3714.8	10000	38.2846	94.0321	-594	PC	4.6	2	9.7	0	0.9	-1	0.473	2	5.323	3	11.256	2	2363	34	3.7
3714.9	10000	38.2846	94.0314	-591	PC	4.7	2	9.6	0	0.9	-1	0.495	2	5.142	3	10.424	1	2395	48	3.7
3715.0	10000	38.2846	94.0307	-587	PC	4.6	2	10.1	1	1.0	-1	0.453	1	4.717	2	10.413	1	2444	48	3.7
3715.1	10000	38.2846	94.0299	-584	PC	4.6	2	10.3	1	1.1	0	0.449	1	4.333	2	9.650	1	2499	41	3.7
3715.2	10000	38.2846	94.0292	-581	PC	4.7	2	10.7	1	1.1	0	0.442	1	4.142	1	9.369	0	2546	48	3.7
3715.3	10000	38.2846	94.0285	-578	PC	4.4	2	11.1	2	1.2	1	0.399	1	3.638	1	9.111	0	2597	39	3.7
3715.4	10000	38.2846	94.0277	-575	PC	4.6	2	11.2	2	1.3	1	0.414	1	3.634	1	8.775	0	2634	54	3.7
3715.5	10000	38.2846	94.0270	-573	PC	4.9	2	10.7	1	1.3	1	0.460	1	3.827	1	8.316	0	2652	43	3.7
3715.6	10000	38.2846	94.0262	-571	PC	5.0	2	10.8	1	1.3	1	0.469	1	4.075	1	8.695	0	2658	27	3.7
3715.7	10000	38.2846	94.0255	-569	PC	5.1	2	10.7	1	1.3	1	0.476	1	4.042	1	8.492	0	2653	36	3.7
3715.8	10000	38.2846	94.0248	-564	PC	4.9	2	10.6	1	1.2	1	0.460	1	3.982	1	8.660	0	2648	59	3.7
3715.9	10000	38.2846	94.0240	-561	PC	4.8	2	10.7	1	1.2	1	0.452	1	3.936	1	8.708	0	2651	46	3.7
3716.0	10000	38.2846	94.0233	-560	PC	4.6	2	10.7	1	1.2	1	0.432	1	3.807	1	8.807	0	2630	45	3.7
3716.1	10000	38.2846	94.0226	-558	PC	4.6	2	10.5	1	1.2	1	0.441	1	3.906	1	8.860	0	2622	32	3.7
3716.2	10000	38.2846	94.0218	-555	PC	4.7	2	10.2	1	1.2	1	0.455	1	3.935	1	8.645	0	2610	50	3.6
3716.3	10000	38.2846	94.0211	-553	PC	4.5	2	10.0	1	1.2	1	0.453	1	3.707	1	8.177	0	2603	52	3.6
3716.4	10000	38.2846	94.0204	-551	PC	4.5	2	10.0	1	1.2	1	0.452	1	3.780	1	8.356	0	2583	46	3.6
3716.5	10000	38.2846	94.0196	-549	PC	4.4	2	10.0	1	1.2	1	0.445	1	3.792	1	8.516	0	2551	43	3.6
3716.6	10000	38.2846	94.0189	-547	PC	4.0	2	10.0	1	1.1	1	0.397	1	3.587	1	9.044	0	2530	35	3.6
3716.7	10000	38.2846	94.0182	-546	PC	4.2	2	9.9	1	1.1	1	0.428	1	3.793	1	8.869	0	2508	42	3.6
3716.8	10000	38.2846	94.0174	-544	PC	4.4	2	10.0	1	1.1	1	0.431	1	4.008	1	9.289	0	2482	45	3.6
3716.9	10000	38.2846	94.0167	-543	PC	4.3	2	10.0	1	1.1	1	0.429	1	4.019	1	9.357	0	2469	54	3.6
3717.0	10000	38.2846	94.0160	-543	PC	4.2	2	9.9	1	1.1	1	0.408	1	3.867	1	9.476	0	2473	46	3.6
3717.1	10000	38.2846	94.0152	-542	PC	4.4	2	10.0	1	1.2	1	0.445	1	4.004	1	9.008	0	2555	46	3.6
3717.2	10000	38.2846	94.0145	-541	PC	4.3	2	10.0	1	1.1	1	0.428	1	4.022	1	9.289	0	2708	46	3.6
3717.3	10000	38.2846	94.0138	-541	PC	4.4	2	10.0	1	1.2	1	0.440	1	4.025	1	9.960	0	2870	46	3.6
3717.4	10000	38.2846	94.0130	-541	PC	4.5	2	10.0	1	1.2	1	0.448	1	4.192	1	9.518	0	3055	47	3.6
3717.5	10000	38.2846	94.0123	-542	PC	4.6	2	10.0	1	1.3	1	0.461	1	4.946	1	9.895	0	3248	43	3.6
3717.6	10000	38.2846	94.0116	-543	PC	4.7	2	10.1	1	1.3	1	0.468	1	4.867	1	9.609	0	3422	45	3.6

LINE 690 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3717.7	10000	38.2845	94.0108	-543	PC	7.7	6	10.6	1	2.0	4	0.728	5	3.887	1	5.341	-2	3555	41	3.5
3717.8	10000	38.2845	94.0101	-543	PC	7.8	6	10.7	1	2.1	4	0.730	5	3.774	1	5.173	-2	3638	49	3.5
3717.9	10000	38.2846	94.0094	-544	PC	7.8	6	11.3	2	2.1	4	0.690	4	3.731	1	5.408	-2	3617	45	3.5
3718.0	10000	38.2846	94.0086	-544	PC	7.6	6	11.4	2	2.0	4	0.663	4	3.717	1	5.605	-2	3593	34	3.5
3718.1	10000	38.2846	94.0079	-545	PC	7.5	6	11.6	2	2.0	4	0.650	4	3.776	1	5.811	-2	3553	47	3.5
3718.2	10000	38.2845	94.0072	-545	PC	7.4	5	11.3	2	2.0	4	0.651	4	3.722	1	5.721	-2	3496	57	3.5
3718.3	10000	38.2845	94.0064	-546	PC	7.0	5	11.4	2	2.0	4	0.617	3	3.523	1	5.715	-2	3458	33	3.5
3718.4	10000	38.2845	94.0057	-546	PC	6.9	5	11.5	2	2.0	4	0.598	3	3.408	0	5.694	-2	3448	51	3.5
3718.5	10000	38.2845	94.0049	-546	PC	6.6	4	11.1	2	2.0	4	0.598	3	3.365	0	5.627	-2	3387	50	3.5
3718.6	10000	38.2845	94.0042	-547	PC	6.9	5	10.3	1	1.9	3	0.668	4	3.684	1	5.514	-2	3347	53	3.5
3718.7	10000	38.2845	94.0035	-547	PC	6.9	5	9.8	0	1.8	3	0.706	4	3.846	1	5.519	-2	3257	46	3.5
3718.8	10000	38.2845	94.0027	-547	PC	7.2	5	9.4	0	1.7	3	0.758	5	4.121	1	5.440	-2	3188	34	3.5
3718.9	10000	38.2845	94.0020	-547	PC	7.5	5	9.4	0	1.6	2	0.801	6	4.544	2	5.676	-2	3140	36	3.4
3719.0	10000	38.2845	94.0013	-546	PC	7.8	6	9.1	0	1.5	2	0.860	6	5.115	3	5.951	-2	3086	41	3.4
3719.1	10000	38.2845	94.0005	-545	PC	8.1	6	9.0	0	1.4	1	0.904	7	5.712	4	6.319	-2	3026	53	3.4

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3452.2	10000	38.1992	95.9522	-725	PW	3.7	2	10.9	1	1.1	-1	0.338	1	3.428	2	10.134	2	2205	46	1.8
3452.1	10000	38.1992	95.9514	-725	PW	3.6	1	10.9	1	1.1	-1	0.335	1	3.408	2	10.175	2	2204	35	1.8
3452.0	10000	38.1992	95.9507	-726	PW	3.7	1	10.9	1	1.1	-1	0.336	1	3.411	2	10.148	2	2203	42	1.8
3451.9	10000	38.1992	95.9499	-727	PW	3.7	1	10.6	1	1.1	-1	0.345	1	3.434	2	9.949	2	2192	41	1.8
3451.8	10000	38.1992	95.9491	-728	PW	3.8	2	10.5	1	1.1	-1	0.362	1	3.514	2	9.704	2	2195	42	1.8
3451.7	10000	38.1992	95.9484	-728	PW	3.7	2	10.4	1	1.1	-1	0.355	1	3.365	2	9.478	1	2190	39	1.8
3451.6	10000	38.1992	95.9476	-729	PW	3.9	2	10.3	1	1.1	-1	0.378	1	3.473	2	9.181	1	2188	38	1.8
3451.5	10000	38.1992	95.9469	-728	PW	3.8	2	9.6	1	1.1	-1	0.399	2	3.376	2	8.458	0	2165	57	1.8
3451.4	10000	38.1992	95.9461	-727	PW	3.8	2	10.0	1	1.1	0	0.384	2	3.346	2	8.715	1	2146	39	1.8
3451.3	10000	38.1992	95.9453	-727	PW	3.7	2	9.9	1	1.2	0	0.371	1	3.147	1	8.493	0	2134	42	1.8
3451.2	10000	38.1992	95.9446	-728	PW	3.8	2	10.2	1	1.2	0	0.372	1	3.239	2	8.706	1	2144	43	1.8
3451.1	10000	38.1992	95.9438	-727	PW	3.7	2	10.4	1	1.2	0	0.356	1	3.176	2	8.925	1	2132	40	1.8
3451.0	10000	38.1992	95.9431	-727	PW	3.7	2	10.2	1	1.1	-1	0.367	1	3.267	2	8.913	1	2125	49	1.9
3450.9	10000	38.1992	95.9423	-728	PW	3.5	2	9.8	1	1.2	0	0.340	1	2.862	1	8.407	0	2098	51	1.9
3450.8	10000	38.1992	95.9415	-729	PW	3.8	2	10.0	1	1.2	0	0.352	1	3.043	1	8.656	0	2100	49	1.9
3450.7	10000	38.1992	95.9408	-729	PW	3.8	2	9.6	1	1.2	0	0.393	2	3.176	1	8.086	0	2112	36	1.9
3450.6	10000	38.1992	95.9400	-729	PW	3.9	2	9.6	1	1.1	-1	0.407	2	3.420	2	8.398	0	2117	43	1.9
3450.5	10000	38.1992	95.9393	-729	PW	3.8	2	9.3	1	1.1	-1	0.410	2	3.343	2	8.155	0	2106	52	1.9
3450.4	10000	38.1992	95.9385	-730	PW	3.8	2	8.8	1	1.1	-1	0.437	3	3.351	2	7.673	0	2099	39	1.9
3450.3	10000	38.1992	95.9377	-730	PW	3.9	2	8.7	1	1.1	-1	0.448	3	3.612	2	8.070	0	2093	58	1.9
3450.2	10000	38.1992	95.9370	-730	PW	3.9	2	8.8	1	1.1	-1	0.451	3	3.897	3	8.639	0	2100	53	1.9
3450.1	10000	38.1992	95.9362	-730	PW	3.8	2	8.7	1	1.1	-1	0.419	2	3.680	2	8.786	1	2093	50	1.9
3450.0	10000	38.1992	95.9355	-730	PW	3.6	1	8.3	1	1.1	-1	0.389	2	3.449	2	8.856	1	2094	64	1.9
3449.9	10000	38.1992	95.9347	-730	PW	3.5	1	8.1	1	1.0	-1	0.387	2	3.542	2	9.162	1	2074	55	1.9
3449.8	10000	38.1992	95.9339	-730	PW	3.5	1	9.4	1	1.0	-2	0.370	2	3.525	3	9.526	1	2083	49	2.0
3449.7	10000	38.1992	95.9332	-729	PW	3.7	1	10.2	1	1.0	-2	0.361	1	3.732	3	10.331	2	2083	55	2.0
3449.6	10000	38.1992	95.9324	-729	PW	3.5	1	10.4	1	1.0	-1	0.331	1	3.373	2	10.175	2	2093	56	2.0
3449.5	10000	38.1992	95.9317	-729	PW	3.6	1	10.6	1	1.0	-1	0.319	1	3.326	2	10.418	2	2096	42	2.0
3449.4	10000	38.1992	95.9309	-728	PS	3.5	1	10.3	1	1.0	-1	0.326	1	3.429	2	10.531	2	2103	38	2.0
3449.3	10000	38.1992	95.9301	-728	PS	3.5	1	10.2	1	1.0	-1	0.339	1	3.514	2	10.361	2	2099	28	2.0
3449.2	10000	38.1992	95.9294	-728	PS	3.5	1	9.6	1	1.0	-1	0.332	1	3.252	2	9.791	1	2113	42	2.0
3449.1	10000	38.1992	95.9286	-728	PS	3.5	1	9.3	1	1.0	-1	0.308	1	3.041	2	9.864	1	2104	46	2.0
3449.0	10000	38.1992	95.9279	-727	PS	3.5	1	9.2	1	1.0	-1	0.300	1	3.075	2	9.587	1	2111	51	2.0
3448.9	10000	38.1992	95.9271	-726	PS	3.5	1	9.2	1	1.0	-1	0.326	1	3.061	2	9.387	1	2119	42	2.0
3448.8	10000	38.1992	95.9263	-725	PS	3.5	1	9.2	1	1.0	-1	0.349	1	3.157	2	9.042	1	2125	47	2.0
3448.7	10000	38.1992	95.9256	-725	PS	3.5	1	9.2	1	1.0	-1	0.379	1	3.522	2	9.298	2	2132	51	2.0
3448.6	10000	38.1992	95.9248	-724	PS	3.5	1	9.2	1	1.0	-1	0.372	1	3.480	2	9.234	2	2134	54	2.0
3448.5	10000	38.1992	95.9241	-723	PS	3.5	1	9.2	1	1.0	-1	0.388	1	3.582	2	9.067	2	2131	50	2.0
3448.4	10000	38.1992	95.9233	-723	PS	3.5	1	9.2	1	1.0	-1	0.441	1	4.068	2	9.171	2	2136	57	2.0
3448.3	10000	38.1992	95.9225	-722	PS	3.5	1	9.2	1	1.0	-1	0.415	1	3.827	2	9.302	2	2122	60	2.0
3448.2	10000	38.1992	95.9218	-722	PS	3.5	1	9.2	1	1.0	-1	0.371	1	3.423	2	9.529	2	2104	43	2.0
3448.1	10000	38.1992	95.9210	-721	PS	3.5	1	9.2	1	1.0	-1	0.343	1	3.166	2	9.506	2	2099	40	2.0
3448.0	10000	38.1992	95.9203	-720	PS	3.5	1	9.2	1	1.0	-1	0.299	1	2.760	2	9.267	2	2083	55	2.0
3447.9	10000	38.1992	95.9195	-720	PS	3.5	1	9.2	1	1.0	-1	0.319	1	2.945	2	9.238	2	2083	51	2.0
3447.8	10000	38.1992	95.9187	-719	PS	3.5	1	9.2	1	1.0	-1	0.326	1	3.007	2	9.198	2	2085	51	2.0
3447.7	10000	38.1992	95.9180	-719	PS	3.5	1	9.2	1	1.0	-1	0.398	1	3.675	2	9.239	2	2080	55	2.0
3447.6	10000	38.1992	95.9172	-718	PS	3.5	1	9.2	1	1.0	-1	0.447	1	4.127	2	9.241	2	2085	55	2.0
3447.5	10000	38.1992	95.9165	-717	PS	3.5	1	9.2	1	1.0	-1	0.439	1	4.054	2	9.241	2	2085	51	2.0
3447.4	10000	38.1992	95.9157	-717	PS	3.5	1	9.2	1	1.0	-1	0.444	1	4.098	2	9.241	2	2085	51	2.0
3447.3	10000	38.1992	95.9149	-717	PS	3.5	1	9.2	1	1.0	-1	0.447	1	4.127	2	9.241	2	2085	51	2.0
3447.2	10000	38.1992	95.9142	-717	PS	3.5	1	9.2	1	1.0	-1	0.447	1	4.127	2	9.241	2	2085	51	2.0
3447.1	10000	38.1992	95.9134	-717	PS	3.5	1	9.2	1	1.0	-1	0.447	1	4.127	2	9.241	2	2085	51	2.0

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3447.0	10000	38.1992	95.9127	-717	PS	3.3	0	8.1	-1	1.0	-1	0.412	2	3.437	1	8.334	0	1916	56	2.1
3446.9	10000	38.1992	95.9119	-716	PS	3.5	1	8.2	-1	1.1	-1	0.429	2	3.356	1	7.830	0	1984	41	2.1
3446.8	10000	38.1992	95.9111	-715	PS	3.9	2	8.6	-1	1.1	0	0.448	2	3.514	2	7.845	0	2069	49	2.1
3446.7	10000	38.1992	95.9104	-715	PS	3.8	1	8.9	-1	1.1	0	0.430	2	3.456	1	8.044	0	2122	46	2.1
3446.6	10000	38.1992	95.9096	-714	PS	3.7	1	9.5	0	1.1	0	0.387	1	3.208	1	8.286	0	2145	45	2.1
3446.5	10000	38.1993	95.9089	-713	PS	3.7	1	9.6	-1	1.2	0	0.390	1	3.236	1	8.308	0	2129	41	2.1
3446.4	10000	38.1992	95.9081	-712	PS	3.3	1	9.0	-1	1.1	0	0.366	1	2.949	1	8.048	0	2076	55	2.1
3446.3	10000	38.1993	95.9073	-712	PS	3.3	1	8.6	-1	1.1	0	0.383	1	2.866	1	7.483	-1	2017	51	2.1
3446.2	10000	38.1992	95.9066	-711	PS	3.1	1	8.6	-1	1.1	0	0.332	1	2.561	0	7.716	0	1940	37	2.1
3446.1	10000	38.1992	95.9058	-710	PS	2.8	1	8.0	-1	1.1	0	0.310	1	2.223	-1	7.176	-1	1883	43	2.1
3446.0	10000	38.1992	95.9051	-708	PS	2.8	1	8.0	-1	1.1	0	0.315	1	2.240	-1	7.108	-1	1882	50	2.1
3445.9	10000	38.1992	95.9043	-707	PS	2.9	1	7.6	-2	1.1	0	0.380	1	2.645	0	6.954	-1	1877	41	2.1
3445.8	10000	38.1993	95.9035	-706	PS	2.7	1	7.9	-2	1.1	0	0.336	1	2.418	-1	7.187	-1	1890	51	2.1
3445.7	10000	38.1993	95.9028	-705	PS	2.9	1	8.5	-1	1.1	0	0.341	1	2.623	0	7.689	0	1918	61	2.1
3445.6	10000	38.1993	95.9020	-704	PS	2.9	1	9.1	-1	1.1	0	0.321	1	2.637	0	8.208	0	1956	45	2.1
3445.5	10000	38.1993	95.9013	-703	PS	3.2	1	9.1	-1	1.1	0	0.353	1	2.827	0	8.013	0	2005	41	2.2
3445.4	10000	38.1993	95.9005	-702	PS	3.2	1	9.2	-1	1.1	0	0.358	1	2.872	0	8.017	0	2022	43	2.2
3445.3	10000	38.1993	95.8997	-701	PS	3.4	1	9.6	0	1.1	0	0.349	1	2.947	0	8.440	0	2037	44	2.2
3445.2	10000	38.1993	95.8990	-700	PS	3.4	1	10.0	0	1.2	0	0.304	1	2.593	0	8.524	0	2062	42	2.2
3445.1	10000	38.1993	95.8982	-699	PS	3.4	1	10.0	0	1.2	0	0.343	1	2.853	0	8.310	0	2077	43	2.2
3445.0	10000	38.1993	95.8975	-698	PS	3.3	1	10.0	0	1.2	0	0.320	1	2.606	0	8.135	0	2112	51	2.2
3444.9	10000	38.1993	95.8967	-696	PS	3.4	1	10.0	0	1.2	0	0.321	1	2.615	0	8.159	0	2146	58	2.2
3444.8	10000	38.1993	95.8960	-695	PS	3.5	1	10.0	0	1.2	0	0.316	1	2.657	0	8.398	0	2180	40	2.2
3444.7	10000	38.1993	95.8952	-694	PS	3.6	1	10.0	0	1.2	0	0.317	1	2.755	0	8.692	0	2207	42	2.2
3444.6	10000	38.1993	95.8944	-693	PS	3.5	1	10.0	0	1.2	0	0.338	1	2.839	0	8.397	0	2225	40	2.2
3444.5	10000	38.1993	95.8937	-692	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3444.4	10000	38.1993	95.8929	-691	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3444.3	10000	38.1993	95.8921	-689	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3444.2	10000	38.1993	95.8914	-688	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3444.1	10000	38.1993	95.8906	-687	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3444.0	10000	38.1994	95.8899	-686	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3443.9	10000	38.1994	95.8891	-684	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3443.8	10000	38.1994	95.8883	-682	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3443.7	10000	38.1994	95.8876	-681	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3443.6	10000	38.1994	95.8868	-679	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3443.5	10000	38.1994	95.8860	-678	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3443.4	10000	38.1994	95.8853	-676	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3443.3	10000	38.1994	95.8845	-674	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3443.2	10000	38.1994	95.8838	-672	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3443.1	10000	38.1994	95.8830	-670	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3443.0	10000	38.1994	95.8822	-669	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3442.9	10000	38.1994	95.8815	-666	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3442.8	10000	38.1994	95.8807	-665	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3442.7	10000	38.1994	95.8800	-663	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3442.6	10000	38.1994	95.8792	-660	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3442.5	10000	38.1994	95.8784	-658	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3442.4	10000	38.1994	95.8777	-656	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3442.3	10000	38.1994	95.8769	-654	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3442.2	10000	38.1995	95.8762	-653	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3442.1	10000	38.1994	95.8754	-652	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3442.0	10000	38.1995	95.8746	-650	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2
3441.9	10000	38.1995	95.8739	-649	PS	3.5	1	10.0	0	1.2	0	0.347	1	2.972	0	8.562	0	2229	52	2.2

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3441.8	10000	38.1995	95.8731	-647	PS	3.4	1	10.3	1	1.1	0	0.330	0	2.995	1	9.087	1	2134	38	2.2
3441.7	10000	38.1995	95.8723	-646	PS	3.5	1	9.9	1	1.1	0	0.352	0	3.059	1	8.698	0	2124	46	2.2
3441.6	10000	38.1995	95.8716	-644	PS	3.6	1	9.9	0	1.1	0	0.360	0	3.128	1	8.696	0	2126	48	2.2
3441.5	10000	38.1995	95.8708	-643	PS	3.6	1	10.3	1	1.1	0	0.349	0	3.135	1	8.991	1	2128	56	2.2
3441.4	10000	38.1995	95.8701	-642	PS	3.8	1	10.4	1	1.2	0	0.366	0	3.227	1	8.825	0	2153	53	2.2
3441.3	10000	38.1995	95.8693	-641	PS	3.6	1	10.2	0	1.1	0	0.357	0	3.205	1	8.977	1	2139	43	2.2
3441.2	10000	38.1995	95.8685	-640	PS	3.7	1	10.2	1	1.1	0	0.355	0	3.210	1	9.052	1	2128	38	2.2
3441.1	10000	38.1995	95.8678	-640	PS	3.7	1	10.6	1	1.1	0	0.344	0	3.280	1	9.523	1	2129	41	2.2
3441.0	10000	38.1995	95.8670	-638	PS	3.6	1	10.6	1	1.1	0	0.340	0	3.155	1	9.270	1	2138	43	2.2
3440.9	10000	38.1995	95.8663	-637	PS	3.8	1	10.6	1	1.1	0	0.358	0	3.368	1	9.399	1	2145	44	2.2
3440.8	10000	38.1995	95.8655	-637	PS	3.8	1	10.1	0	1.1	1	0.375	1	3.433	1	9.153	1	2152	35	2.2
3440.7	10000	38.1995	95.8647	-637	PS	3.9	2	10.7	1	1.1	-1	0.362	2	3.604	1	9.959	1	2159	44	2.2
3440.6	10000	38.1995	95.8640	-637	PS	3.9	1	11.0	1	1.1	0	0.358	1	3.416	1	9.542	1	2187	45	2.2
3440.5	10000	38.1995	95.8632	-636	PS	3.8	1	11.2	1	1.2	0	0.335	1	3.257	1	9.716	1	2211	52	2.2
3440.4	10000	38.1995	95.8625	-635	PS	3.6	1	11.1	1	1.2	0	0.326	1	3.081	1	9.444	1	2229	41	2.2
3440.3	10000	38.1996	95.8617	-634	PS	3.6	1	11.4	2	1.2	0	0.315	0	3.078	1	9.776	1	2259	50	2.2
3440.2	10000	38.1996	95.8609	-633	PS	3.4	1	11.4	2	1.2	-1	0.296	-1	2.785	1	9.410	1	2278	53	2.2
3440.1	10000	38.1996	95.8602	-631	PS	3.4	1	11.5	2	1.3	-1	0.295	-1	2.711	1	9.196	1	2288	44	2.2
3440.0	10000	38.1996	95.8594	-630	PS	3.3	1	11.2	1	1.3	-1	0.299	-1	2.665	1	8.915	0	2288	38	2.2
3439.9	10000	38.1996	95.8587	-629	PS	3.2	1	11.2	1	1.3	-1	0.285	-1	2.502	1	8.784	0	2301	47	2.2
3439.8	10000	38.1996	95.8579	-627	PS	3.1	1	11.2	1	1.3	-1	0.274	-1	2.411	-1	8.788	0	2297	52	2.2
3439.7	10000	38.1996	95.8571	-626	PS	3.2	1	11.1	1	1.3	-1	0.288	-1	2.455	0	8.535	0	2290	48	2.2
3439.6	10000	38.1996	95.8564	-625	PS	3.5	1	10.6	1	1.3	0	0.328	0	2.632	0	8.032	0	2265	42	2.2
3439.5	10000	38.1996	95.8556	-624	PS	3.4	1	10.2	1	1.3	0	0.335	0	2.566	0	7.649	-1	2241	46	2.2
3439.4	10000	38.1996	95.8548	-622	PS	3.7	1	9.8	1	1.3	0	0.379	0	2.824	0	7.452	-1	2217	53	2.2
3439.3	10000	38.1996	95.8541	-621	PS	3.4	1	9.6	1	1.3	0	0.354	0	2.605	0	7.358	-1	2157	65	2.2
3439.2	10000	38.1996	95.8533	-619	PS	3.3	1	9.3	1	1.3	0	0.358	0	2.738	0	7.204	-1	2106	52	2.2
3439.1	10000	38.1996	95.8526	-617	PS	3.2	1	9.2	1	1.3	0	0.347	0	2.757	0	7.213	-1	2072	55	2.2
3439.0	10000	38.1996	95.8518	-617	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2049	37	2.2
3438.9	10000	38.1996	95.8510	-616	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2024	57	2.2
3438.8	10000	38.1996	95.8503	-615	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2010	82	2.2
3438.7	10000	38.1996	95.8495	-613	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2009	69	2.2
3438.6	10000	38.1996	95.8488	-612	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2030	56	2.2
3438.5	10000	38.1996	95.8480	-611	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2046	60	2.2
3438.4	10000	38.1997	95.8472	-609	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2067	32	2.2
3438.3	10000	38.1997	95.8465	-608	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2030	20	2.2
3438.2	10000	38.1997	95.8457	-606	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2096	87	2.2
3438.1	10000	38.1997	95.8450	-605	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2105	17	2.2
3438.0	10000	38.1997	95.8442	-604	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2111	20	2.2
3437.9	10000	38.1997	95.8434	-603	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2131	54	2.2
3437.8	10000	38.1997	95.8427	-602	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2114	39	2.2
3437.7	10000	38.1997	95.8419	-600	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2138	45	2.2
3437.6	10000	38.1997	95.8412	-599	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2131	57	2.2
3437.5	10000	38.1997	95.8404	-598	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2131	44	2.2
3437.4	10000	38.1997	95.8396	-596	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2139	81	2.2
3437.3	10000	38.1997	95.8389	-595	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2143	31	2.2
3437.2	10000	38.1997	95.8381	-593	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2135	25	2.2
3437.1	10000	38.1997	95.8373	-592	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2135	25	2.2
3437.0	10000	38.1997	95.8366	-591	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2135	25	2.2
3436.9	10000	38.1997	95.8358	-589	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2135	25	2.2
3436.8	10000	38.1997	95.8351	-588	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2135	25	2.2
3436.7	10000	38.1997	95.8343	-587	PS	3.1	1	9.1	1	1.3	0	0.340	0	2.738	0	7.204	-1	2135	25	2.2

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3436.6	10000	38.1997	95.8335	-590	PS	2.7	-1	11.3	1	1.2	0	0.238	-2	2.325	-1	9.771	1	2127	32	2.0
3436.5	10000	38.1998	95.8328	-588	PS	2.9	0	11.4	2	1.1	0	0.256	-1	2.541	0	9.930	1	2149	63	2.0
3436.4	10000	38.1997	95.8320	-588	PS	2.9	-1	10.9	1	1.2	0	0.265	-1	2.448	0	9.249	1	2159	56	2.0
3436.3	10000	38.1998	95.8313	-586	PS	3.2	0	10.7	1	1.2	0	0.298	-1	2.617	0	8.773	0	2172	37	2.0
3436.2	10000	38.1998	95.8305	-585	PS	3.3	0	10.5	1	1.2	0	0.314	0	2.741	0	8.740	0	2186	45	2.0
3436.1	10000	38.1998	95.8297	-584	PS	3.7	1	10.8	1	1.2	0	0.343	0	3.158	1	9.195	1	2200	50	2.0
3436.0	10000	38.1998	95.8290	-584	PS	3.9	2	10.3	1	1.1	0	0.377	1	3.501	2	9.275	1	2192	44	2.0
3435.9	10000	38.1998	95.8282	-583	PS	4.1	2	10.6	1	1.1	-1	0.392	1	3.859	2	9.835	1	2210	40	2.0
3435.8	10000	38.1998	95.8275	-582	PS	4.1	2	10.0	1	1.1	0	0.401	1	3.594	2	8.970	1	2210	50	2.0
3435.7	10000	38.1998	95.8267	-581	PS	4.1	2	10.4	1	1.1	0	0.390	1	3.615	2	9.260	1	2208	45	2.0
3435.6	10000	38.1998	95.8259	-580	PS	4.1	2	10.4	1	1.1	0	0.388	1	3.693	2	9.522	1	2216	46	2.0
3435.5	10000	38.1998	95.8252	-579	PS	4.1	2	9.9	1	1.1	0	0.410	1	3.683	2	8.974	1	2212	49	2.0
3435.4	10000	38.1998	95.8244	-578	PS	4.2	2	9.6	1	1.2	0	0.435	2	3.575	2	8.212	1	2217	50	2.0
3435.3	10000	38.1998	95.8237	-577	PS	4.3	2	10.0	1	1.2	0	0.427	2	3.686	2	8.625	0	2230	62	2.0
3435.2	10000	38.1998	95.8229	-576	PS	4.2	2	9.6	1	1.2	0	0.437	2	3.645	2	8.347	0	2232	60	2.0
3435.1	10000	38.1998	95.8221	-576	PS	4.2	2	10.0	1	1.1	-1	0.422	2	3.934	2	9.314	1	2212	57	1.9
3435.0	10000	38.1998	95.8214	-575	PS	4.1	2	9.8	1	1.1	-1	0.422	2	3.801	2	9.014	1	2206	57	1.9
3434.9	10000	38.1998	95.8206	-574	PS	4.1	2	10.0	1	1.1	-1	0.413	2	3.870	2	9.362	1	2198	54	1.9
3434.8	10000	38.1998	95.8198	-573	PS	4.0	2	10.3	1	1.1	-1	0.398	2	3.859	2	9.689	1	2202	50	1.9
3434.7	10000	38.1998	95.8191	-572	PS	3.9	2	9.9	1	1.0	-1	0.389	1	3.806	2	9.778	1	2177	43	1.9
3434.6	10000	38.1998	95.8183	-572	PS	3.8	2	9.7	1	1.0	-1	0.385	1	3.645	2	9.470	1	2137	38	1.9
3434.5	10000	38.1998	95.8176	-572	PS	3.6	1	10.0	1	1.0	-1	0.362	1	3.503	2	9.677	1	2122	45	1.9
3434.4	10000	38.1999	95.8168	-571	PS	3.5	1	9.9	1	1.1	0	0.354	1	3.222	1	9.094	1	2137	45	1.9
3434.3	10000	38.1999	95.8160	-570	PS	3.3	1	10.1	1	1.1	-1	0.325	1	3.037	1	9.337	1	2138	54	1.9
3434.2	10000	38.1999	95.8153	-570	PS	3.1	1	10.2	1	1.1	0	0.300	1	2.800	1	9.341	1	2127	42	1.9
3434.1	10000	38.1999	95.8145	-569	PS	3.2	1	10.5	1	1.1	0	0.301	1	2.873	1	9.549	1	2136	35	1.9
3434.0	10000	38.1999	95.8138	-569	PS	3.0	1	10.4	1	1.1	0	0.284	0	2.891	1	10.169	2	2146	50	1.9
3433.9	10000	38.1999	95.8130	-568	PS	2.9	1	10.2	1	1.1	0	0.278	0	2.824	1	10.160	2	2161	49	1.9
3433.8	10000	38.1999	95.8122	-567	PS	2.8	1	10.1	1	1.1	0	0.277	0	2.744	1	10.261	2	2169	52	1.9
3433.7	10000	38.1999	95.8115	-566	PS	2.7	1	10.1	1	1.1	0	0.267	0	2.715	1	10.093	2	2152	44	1.9
3433.6	10000	38.1999	95.8107	-566	PS	2.6	1	10.1	1	1.1	0	0.257	0	2.524	1	10.088	2	2144	48	1.9
3433.5	10000	38.1999	95.8100	-568	PS	2.5	1	10.1	1	1.1	0	0.247	0	2.476	1	10.067	2	2136	48	1.9
3433.4	10000	38.1999	95.8092	-568	PS	2.4	1	10.1	1	1.1	0	0.237	0	2.355	1	10.067	2	2119	43	1.9
3433.3	10000	38.1999	95.8084	-567	PS	2.3	1	10.1	1	1.1	0	0.228	0	2.130	1	9.988	2	2111	45	1.9
3433.2	10000	38.1999	95.8077	-567	PS	2.2	1	10.1	1	1.1	0	0.218	0	2.130	1	9.858	2	2101	46	1.9
3433.1	10000	38.1999	95.8069	-566	PS	2.1	1	10.1	1	1.1	0	0.208	0	2.130	1	9.726	2	2096	46	1.9
3433.0	10000	38.1999	95.8061	-565	PS	2.0	1	10.1	1	1.1	0	0.198	0	2.130	1	9.594	2	2106	46	1.9
3432.9	10000	38.1999	95.8054	-565	PS	1.9	1	10.1	1	1.1	0	0.188	0	2.130	1	9.463	2	2102	46	1.9
3432.8	10000	38.1999	95.8046	-563	PS	1.8	1	10.1	1	1.1	0	0.178	0	2.130	1	9.331	2	2097	46	1.9
3432.7	10000	38.1999	95.8039	-561	PS	1.7	1	10.1	1	1.1	0	0.168	0	2.130	1	9.200	2	2076	46	1.9
3432.6	10000	38.2000	95.8031	-560	PS	1.6	1	10.1	1	1.1	0	0.158	0	2.130	1	9.068	2	2051	46	1.9
3432.5	10000	38.2000	95.8023	-559	PS	1.5	1	10.1	1	1.1	0	0.148	0	2.130	1	8.937	2	2029	46	1.9
3432.4	10000	38.2000	95.8016	-558	PS	1.4	1	10.1	1	1.1	0	0.138	0	2.130	1	8.805	2	1999	46	1.9
3432.3	10000	38.2000	95.8008	-556	PS	1.3	1	10.1	1	1.1	0	0.128	0	2.130	1	8.674	2	1955	46	1.9
3432.2	10000	38.2000	95.8000	-555	PS	1.2	1	10.1	1	1.1	0	0.118	0	2.130	1	8.542	2	1961	46	1.9
3432.1	10000	38.2000	95.7997	-554	PS	1.1	1	10.1	1	1.1	0	0.108	0	2.130	1	8.411	2	1968	46	1.9
3432.0	10000	38.2000	95.7970	-552	PS	1.0	1	10.1	1	1.1	0	0.098	0	2.130	1	8.279	2	1980	46	1.9
3431.9	10000	38.2000	95.7962	-550	PS	0.9	1	10.1	1	1.1	0	0.088	0	2.130	1	8.148	2	1988	46	1.9
3431.8	10000	38.2000	95.7955	-547	PS	0.8	1	10.1	1	1.1	0	0.078	0	2.130	1	8.016	2	1990	46	1.9

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3431.4	10000	38.2000	95.7940	-545	QAL	3.5	1	8.9	0	1.1	-1	0.394	1	3.164	1	8.030	0	2040	44	2.0
3431.3	10000	38.2000	95.7932	-544	QAL	3.6	1	8.9	0	1.1	-1	0.407	1	3.368	1	8.279	0	2042	43	2.0
3431.2	10000	38.2000	95.7924	-541	QAL	3.9	2	9.7	0	1.1	-1	0.402	1	3.585	2	8.917	1	2055	42	2.0
3431.1	10000	38.2000	95.7917	-539	QAL	3.9	2	9.8	0	1.1	-1	0.397	1	3.690	2	9.297	1	2059	40	2.0
3431.0	10000	38.2000	95.7909	-537	QAL	4.1	2	9.7	0	1.0	-1	0.421	1	3.985	2	9.460	1	2055	48	2.0
3430.9	10000	38.2000	95.7901	-535	QAL	4.0	2	9.9	0	1.0	-1	0.402	1	3.963	2	9.859	1	2040	35	2.0
3430.8	10000	38.2000	95.7893	-533	QAL	3.8	1	10.0	1	1.0	-1	0.379	1	3.857	2	10.169	2	2019	35	2.0
3430.7	10000	38.2000	95.7885	-531	QAL	3.6	1	10.2	1	1.0	-1	0.350	0	3.493	1	9.976	2	2012	45	2.0
3430.6	10000	38.2000	95.7877	-529	QAL	3.3	1	10.3	1	1.0	-1	0.323	0	3.230	1	9.987	2	1999	44	2.0
3430.5	10000	38.1999	95.7869	-526	QAL	3.1	1	10.0	1	1.0	-1	0.311	0	2.978	1	9.590	1	1995	55	2.0
3430.4	10000	38.1999	95.7862	-525	QAL	3.2	1	9.9	1	1.0	-1	0.322	0	3.197	1	9.942	2	2000	53	2.0
3430.3	10000	38.1999	95.7854	-523	QAL	3.1	1	9.9	1	1.0	-1	0.309	0	3.043	1	9.860	1	1998	36	2.0
3430.2	10000	38.1999	95.7846	-521	QAL	3.5	1	9.8	1	1.0	-1	0.359	1	3.538	2	9.861	1	2021	46	2.0
3430.1	10000	38.1999	95.7838	-519	QAL	3.5	1	9.7	1	1.0	-1	0.356	1	3.501	2	9.822	1	2050	45	2.0
3430.0	10000	38.1999	95.7830	-517	QAL	3.8	1	9.5	1	1.0	-1	0.400	1	3.874	2	9.678	1	2076	43	2.1
3429.9	10000	38.1999	95.7822	-515	QAL	3.8	1	9.4	1	1.0	-1	0.372	1	3.972	2	10.677	2	2097	43	2.1
3429.8	10000	38.1999	95.7814	-513	QAL	3.8	2	10.3	1	1.0	-1	0.369	1	4.025	2	10.922	2	2121	40	2.1
3429.7	10000	38.1998	95.7807	-512	QAL	3.5	1	10.0	1	1.0	-1	0.357	1	3.658	2	10.232	2	2118	44	2.1
3429.6	10000	38.1998	95.7799	-510	QAL	3.8	1	9.9	1	1.0	-1	0.384	1	3.718	2	9.677	1	2127	47	2.1
3429.5	10000	38.1998	95.7791	-509	QAL	3.5	1	10.2	1	1.0	-1	0.344	1	3.419	1	9.932	2	2122	54	2.1
3429.4	10000	38.1998	95.7783	-508	QAL	3.2	1	10.5	1	1.1	-1	0.335	1	3.267	1	9.761	1	2098	43	2.1
3429.3	10000	38.1998	95.7775	-507	QAL	3.0	1	10.5	1	1.1	-1	0.302	1	2.880	1	9.531	1	2072	44	2.1
3429.2	10000	38.1998	95.7767	-505	QAL	3.1	1	9.9	1	1.1	-1	0.330	1	2.891	1	8.766	1	2044	47	2.1
3429.1	10000	38.1998	95.7759	-504	QAL	3.2	1	9.5	1	1.1	-1	0.336	1	2.875	1	8.563	1	2026	54	2.1
3429.0	10000	38.1998	95.7751	-503	QAL	3.3	1	9.5	1	1.1	-1	0.342	1	3.070	1	8.982	1	2013	45	2.1
3428.9	10000	38.1998	95.7744	-502	QAL	3.3	1	10.4	1	1.1	-1	0.317	1	3.033	1	9.556	1	2006	44	2.1
3428.8	10000	38.1998	95.7736	-502	QAL	3.2	1	10.1	1	1.1	-1	0.319	1	3.001	1	9.407	1	2009	55	2.1
3428.7	10000	38.1997	95.7728	-501	QAL	3.3	1	9.9	1	1.0	-1	0.317	1	3.103	1	9.801	1	2012	33	2.1
3428.6	10000	38.1997	95.7720	-501	QAL	3.3	1	10.2	1	1.0	-1	0.320	1	3.199	1	9.985	2	2033	48	2.1
3428.5	10000	38.1997	95.7712	-500	QAL	3.4	1	10.6	1	1.0	-1	0.313	0	3.226	1	10.293	2	2046	39	2.2
3428.4	10000	38.1997	95.7704	-499	QAL	3.5	1	10.7	1	1.0	-1	0.317	0	3.356	2	10.574	2	2061	44	2.2
3428.3	10000	38.1997	95.7697	-498	QAL	3.4	1	10.6	1	1.0	-1	0.329	0	3.530	2	10.734	2	2064	43	2.2
3428.2	10000	38.1997	95.7689	-498	QAL	3.5	1	10.2	1	1.0	-1	0.323	0	3.429	2	10.608	2	2060	41	2.2
3428.1	10000	38.1997	95.7681	-498	QAL	3.9	2	10.2	2	1.0	-1	0.344	0	3.481	2	10.125	2	2063	51	2.2
3428.0	10000	38.1997	95.7673	-497	QAL	3.7	2	10.6	2	1.0	-1	0.382	0	3.760	2	9.842	2	2071	46	2.2
3427.9	10000	38.1996	95.7665	-498	QAL	3.7	2	10.8	2	1.0	-1	0.360	0	3.682	2	10.230	2	2062	51	2.2
3427.8	10000	38.1996	95.7657	-497	QAL	3.7	2	10.0	2	1.0	-1	0.371	0	3.699	2	9.978	2	2051	49	2.2
3427.7	10000	38.1996	95.7649	-497	QAL	3.5	2	9.9	2	1.0	-1	0.379	0	3.666	2	9.668	2	2045	52	2.2
3427.6	10000	38.1996	95.7641	-496	QAL	3.5	2	9.9	2	1.0	-1	0.350	0	3.471	2	9.928	2	2052	51	2.2
3427.5	10000	38.1996	95.7634	-496	QAL	3.4	2	9.9	2	1.0	-1	0.345	0	3.411	2	9.736	2	2057	55	2.2
3427.4	10000	38.1996	95.7626	-496	QAL	3.4	2	9.8	2	1.0	-1	0.358	0	3.310	2	9.639	2	2056	57	2.2
3427.3	10000	38.1996	95.7618	-495	QAL	3.4	2	9.8	2	1.0	-1	0.385	0	3.331	2	9.292	2	2057	52	2.2
3427.2	10000	38.1996	95.7610	-494	QAL	3.6	2	9.8	2	1.0	-1	0.364	0	3.372	2	9.754	2	2067	55	2.2
3427.1	10000	38.1996	95.7602	-494	CULTRL	3.4	2	9.8	2	1.1	-1	0.369	0	3.238	1	9.908	2	2064	45	2.2
3427.0	10000	38.1996	95.7594	-494	CULTRL	3.4	2	9.8	2	1.1	-1	0.412	0	3.327	1	9.015	2	2048	53	2.2
3426.9	10000	38.1995	95.7587	-493	CULTRL	3.4	2	9.8	2	1.1	-1	0.434	0	3.350	1	9.126	2	2030	55	2.2
3426.8	10000	38.1995	95.7579	-492	CULTRL	3.6	2	9.8	2	1.1	-1	0.427	0	3.448	1	9.941	2	2011	50	2.2
3426.7	10000	38.1995	95.7571	-491	CULTRL	3.5	2	9.8	2	1.1	-1	0.385	0	3.388	1	9.508	2	1982	47	2.2
3426.6	10000	38.1995	95.7563	-490	CULTRL	3.2	2	9.8	2	1.1	-1	0.402	0	3.422	1	9.794	2	1966	39	2.2
3426.5	10000	38.1995	95.7555	-489	CULTRL	3.3	2	9.8	2	1.1	-1	0.390	0	3.445	1	9.885	2	1950	45	2.2
3426.4	10000	38.1995	95.7547	-489	CULTRL	3.2	2	9.8	2	1.0	-1	0.390	0	3.312	1	9.565	2	1945	38	2.2
3426.3	10000	38.1995	95.7539	-489	CULTRL	3.2	2	9.8	2	1.0	-1	0.390	0	3.312	1	9.495	2	1954	46	2.2

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3426.2	10000	38.1995	95.7531	-488	CULTRL	3.4	999	9.0	999	1.0	999	0.375	999	3.266	999	8.709	999	1952	55	2.3
3426.1	10000	38.1995	95.7524	-487	CULTRL	3.3	999	8.9	999	1.0	999	0.371	999	3.288	999	8.871	999	1955	39	2.3
3426.0	10000	38.1994	95.7516	-485	CULTRL	3.3	999	8.7	999	1.0	999	0.376	999	3.291	999	8.763	999	1947	48	2.3
3425.9	10000	38.1994	95.7508	-483	CULTRL	3.3	999	8.3	999	1.0	999	0.398	999	3.322	999	8.342	999	1930	41	2.3
3425.8	10000	38.1994	95.7500	-482	CULTRL	3.2	999	8.2	999	1.0	999	0.391	999	3.301	999	8.444	999	1903	49	2.3
3425.7	10000	38.1994	95.7492	-482	CULTRL	3.2	999	8.3	999	1.0	999	0.386	999	3.169	999	8.203	999	1899	38	2.3
3425.6	10000	38.1994	95.7484	-483	CULTRL	3.1	999	8.2	999	1.0	999	0.379	999	3.059	999	8.068	999	1862	59	2.3
3425.5	10000	38.1994	95.7477	-482	CULTRL	2.9	999	8.0	999	1.0	999	0.365	999	2.974	999	8.151	999	1840	44	2.3
3425.4	10000	38.1994	95.7469	-480	CULTRL	2.7	999	7.6	999	1.0	999	0.358	999	2.756	999	7.692	999	1809	50	2.3
3425.3	10000	38.1994	95.7461	-479	CULTRL	2.6	999	7.6	999	1.0	999	0.342	999	2.525	999	7.389	999	1811	47	2.3
3425.2	10000	38.1994	95.7453	-477	CULTRL	2.6	999	7.7	999	1.0	999	0.339	999	2.556	999	7.535	999	1813	39	2.3
3425.1	10000	38.1993	95.7445	-474	CULTRL	2.5	999	7.5	999	1.0	999	0.327	999	2.413	999	7.390	999	1812	48	2.3
3425.0	10000	38.1993	95.7437	-473	CULTRL	2.5	999	7.5	999	1.0	999	0.334	999	2.536	999	7.591	999	1803	48	2.3
3424.9	10000	38.1993	95.7429	-474	CULTRL	2.4	999	7.7	999	1.0	999	0.316	999	2.417	999	7.648	999	1806	49	2.3
3424.8	10000	38.1993	95.7421	-472	CULTRL	2.6	999	7.6	999	1.0	999	0.345	999	2.680	999	7.772	999	1802	50	2.3
3424.7	10000	38.1993	95.7414	-471	CULTRL	3.0	999	7.6	999	1.0	999	0.388	999	3.061	999	7.892	999	1804	46	2.3
3424.6	10000	38.1993	95.7406	-469	CULTRL	3.1	999	7.5	999	0.9	999	0.410	999	3.344	999	8.162	999	1776	39	2.3
3424.5	10000	38.1993	95.7398	-467	CULTRL	2.9	999	7.2	999	0.9	999	0.396	999	3.200	999	8.081	999	1751	38	2.3
3424.4	10000	38.1993	95.7390	-466	CULTRL	3.2	999	7.3	999	0.9	999	0.438	999	3.632	999	8.300	999	1727	34	2.3
3424.3	10000	38.1993	95.7382	-465	CULTRL	3.3	999	7.2	999	0.8	999	0.463	999	4.018	999	8.677	999	1702	43	2.3
3424.2	10000	38.1992	95.7374	-463	CULTRL	3.4	999	7.1	999	0.8	999	0.472	999	4.422	999	9.362	999	1672	59	2.3
3424.1	10000	38.1992	95.7366	-461	CULTRL	3.2	999	6.8	999	0.8	999	0.466	999	3.938	999	8.457	999	1676	34	2.3
3424.0	10000	38.1992	95.7359	-460	CULTRL	2.9	999	7.1	999	0.8	999	0.404	999	3.492	999	8.646	999	1670	48	2.3
3423.9	10000	38.1992	95.7351	-460	CULTRL	2.8	999	7.2	999	0.9	999	0.385	999	3.238	999	8.401	999	1680	39	2.3
3423.8	10000	38.1992	95.7343	-459	QAL	2.9	0	7.2	-2	0.9	-1	0.410	1	3.251	1	7.930	0	1695	47	2.3
3423.7	10000	38.1992	95.7335	-459	QAL	2.7	-1	7.2	-2	0.9	-1	0.374	1	2.966	1	7.929	0	1727	53	2.3
3423.6	10000	38.1992	95.7327	-459	QAL	2.7	-1	7.1	-2	1.0	-1	0.376	1	2.739	0	7.283	0	1767	59	2.3
3423.5	10000	38.1992	95.7319	-457	QAL	2.9	0	7.1	-2	1.0	-1	0.409	1	2.849	0	6.973	0	1813	42	2.3
3423.4	10000	38.1992	95.7311	-455	QAL	2.9	0	7.2	-2	1.1	-1	0.408	1	2.714	0	6.644	-1	1836	51	2.3
3423.3	10000	38.1991	95.7303	-455	QAL	2.7	-1	7.2	-2	1.1	-1	0.376	1	2.580	0	6.208	-1	1876	49	2.3
3423.2	10000	38.1991	95.7296	-453	QAL	2.7	-1	7.2	-2	1.1	-1	0.376	1	2.548	0	6.054	-1	1931	42	2.3
3423.1	10000	38.1991	95.7288	-451	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.404	0	6.402	-1	1997	51	2.3
3423.0	10000	38.1991	95.7280	-451	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.353	0	6.281	-1	2047	49	2.3
3422.9	10000	38.1991	95.7272	-450	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.390	0	6.667	-1	2093	42	2.3
3422.8	10000	38.1991	95.7264	-449	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.263	0	6.430	-1	2112	51	2.3
3422.7	10000	38.1991	95.7256	-447	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.447	0	6.150	-1	2129	40	2.3
3422.6	10000	38.1991	95.7249	-446	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.592	0	6.570	-1	2142	52	2.3
3422.5	10000	38.1991	95.7241	-445	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.695	0	6.807	-1	2173	37	2.3
3422.4	10000	38.1990	95.7233	-443	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.911	0	7.725	-1	2197	26	2.3
3422.3	10000	38.1990	95.7225	-442	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	3.059	0	7.865	-1	2204	44	2.3
3422.2	10000	38.1990	95.7217	-441	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.950	0	7.668	-1	2225	42	2.3
3422.1	10000	38.1990	95.7209	-440	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.801	0	7.689	-1	2274	40	2.3
3422.0	10000	38.1990	95.7201	-439	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.672	0	7.227	-1	2302	64	2.3
3421.9	10000	38.1990	95.7193	-438	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.633	0	6.821	-1	2332	56	2.3
3421.8	10000	38.1990	95.7186	-437	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.600	0	6.573	-1	2326	55	2.3
3421.7	10000	38.1990	95.7178	-436	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.795	0	6.714	-1	2300	37	2.3
3421.6	10000	38.1990	95.7170	-435	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.778	0	6.717	-1	2288	50	2.3
3421.5	10000	38.1990	95.7162	-434	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.768	0	6.900	-1	2288	22	2.3
3421.4	10000	38.1989	95.7154	-433	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.834	0	6.982	-1	2277	11	2.3
3421.3	10000	38.1989	95.7146	-432	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.812	0	7.041	-1	2130	22	2.3
3421.2	10000	38.1989	95.7139	-432	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	2.847	0	7.056	-1	2079	48	2.3
3421.1	10000	38.1989	95.7131	-432	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	3.026	0	7.565	-1	2013	51	2.3
3421.0	10000	38.1989	95.7123	-432	QAL	2.9	0	7.2	-2	1.1	-1	0.402	1	3.375	0	8.069	-1	2013	51	2.3

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3421.0	10000	38.1989	95.7123	-431	PS	3.1	0	9.3	0	1.1	0	0.336	0	2.810	0	8.374	0	1954	45	2.1
3420.9	10000	38.1989	95.7115	-431	PS	2.8	-1	9.3	0	1.1	-1	0.301	0	2.615	0	8.698	0	1909	56	2.1
3420.8	10000	38.1989	95.7107	-429	PS	2.8	-1	9.2	0	1.1	-1	0.299	0	2.611	0	8.731	0	1894	54	2.1
3420.7	10000	38.1988	95.7099	-429	PS	3.1	0	9.1	-1	1.0	-1	0.337	0	3.005	1	8.908	0	1886	51	2.1
3420.6	10000	38.1988	95.7091	-429	PS	3.1	0	9.1	-1	1.0	-1	0.336	0	3.134	1	9.325	1	1885	45	2.1
3420.5	10000	38.1988	95.7083	-429	PS	3.1	0	9.3	0	0.9	-1	0.329	0	3.252	1	9.876	1	1906	47	2.1
3420.4	10000	38.1988	95.7076	-428	PS	3.0	0	9.3	0	0.9	-1	0.320	0	3.145	1	9.840	1	1948	51	2.1
3420.3	10000	38.1988	95.7068	-427	PS	3.1	0	9.4	0	1.0	-1	0.331	0	3.190	1	9.637	1	1995	36	2.1
3420.2	10000	38.1988	95.7060	-427	PS	3.5	1	9.2	0	0.9	-1	0.377	1	3.795	2	10.062	1	2019	40	2.1
3420.1	10000	38.1988	95.7052	-426	PS	3.7	1	8.8	-1	0.9	-1	0.417	2	3.966	3	9.509	1	2037	48	2.1
3420.0	10000	38.1988	95.7044	-426	PS	3.5	1	9.1	-1	0.9	-2	0.390	1	3.971	3	10.184	2	2006	47	2.1
3419.9	10000	38.1988	95.7036	-426	PS	3.5	1	8.7	-1	0.9	-2	0.405	1	4.106	3	10.133	1	1971	49	2.1
3419.8	10000	38.1987	95.7029	-425	PS	3.7	1	8.3	-1	0.8	-2	0.448	2	4.605	4	10.280	2	1915	53	2.1
3419.7	10000	38.1987	95.7021	-424	PS	3.6	1	8.1	-1	0.8	-2	0.446	2	4.616	4	10.348	2	1855	45	2.1
3419.6	10000	38.1987	95.7013	-424	PS	3.5	1	8.1	-1	0.8	-2	0.430	2	4.554	4	10.598	2	1790	37	2.1
3419.5	10000	38.1987	95.7005	-424	PS	3.0	0	7.8	-2	0.8	-2	0.385	1	3.762	2	9.765	1	1714	57	2.1
3419.4	10000	38.1987	95.6997	-423	PD	2.8	-1	7.5	-2	0.7	-2	0.371	1	3.890	2	10.484	1	1643	48	2.1
3419.3	10000	38.1987	95.6989	-422	PD	2.6	-1	7.4	-2	0.7	-2	0.351	1	3.450	1	9.836	1	1630	54	2.1
3419.2	10000	38.1987	95.6981	-422	PD	2.6	-1	7.5	-2	0.8	-2	0.345	0	3.205	1	9.292	0	1641	46	2.1
3419.1	10000	38.1987	95.6973	-421	PD	2.3	-2	7.9	-1	0.9	-1	0.293	-1	2.700	0	9.223	0	1667	46	2.1
3419.0	10000	38.1987	95.6966	-421	PD	2.6	-1	7.8	-2	0.9	-1	0.336	0	2.824	0	8.401	0	1717	52	2.1
3418.9	10000	38.1986	95.6958	-421	PD	2.6	-1	7.9	-1	1.0	-1	0.326	0	2.701	0	8.289	0	1774	39	2.0
3418.8	10000	38.1986	95.6950	-420	PD	2.9	-1	8.2	-1	1.0	-1	0.355	0	3.025	0	8.513	0	1837	45	2.0
3418.7	10000	38.1986	95.6942	-420	PD	2.9	-1	8.2	-1	1.1	0	0.334	0	2.729	0	8.174	-1	1901	43	2.0
3418.6	10000	38.1986	95.6934	-419	PD	3.4	0	8.6	-1	1.1	0	0.392	0	3.095	0	7.904	-1	1931	42	2.0
3418.5	10000	38.1986	95.6926	-418	PD	3.6	1	8.7	-1	1.1	0	0.410	1	3.264	1	7.959	-1	1960	40	2.0
3418.4	10000	38.1986	95.6918	-418	PD	3.7	1	8.3	-1	1.1	0	0.440	1	3.314	1	7.525	-1	1971	54	2.0
3418.3	10000	38.1986	95.6911	-418	PD	3.7	1	8.3	-1	1.0	0	0.427	1	3.442	1	8.059	-1	1933	58	2.0
3418.2	10000	38.1986	95.6903	-418	PD	3.7	1	8.3	-1	1.0	0	0.448	1	3.888	1	8.018	-1	1884	37	2.0
3418.1	10000	38.1985	95.6895	-418	PD	3.7	1	8.3	-1	1.0	0	0.448	1	3.814	1	8.941	-1	1841	46	2.0
3418.0	10000	38.1985	95.6887	-417	PD	3.7	1	8.3	-1	1.0	0	0.426	1	3.799	1	8.868	-1	1809	44	2.0
3417.9	10000	38.1985	95.6879	-416	PD	3.7	1	8.3	-1	1.0	0	0.414	1	3.225	1	8.577	-1	1800	62	2.0
3417.8	10000	38.1985	95.6871	-416	PD	3.7	1	8.3	-1	1.0	0	0.421	1	3.206	1	8.750	-1	1786	57	2.0
3417.7	10000	38.1985	95.6863	-414	PD	3.7	1	8.3	-1	1.0	0	0.373	1	3.452	1	8.197	-1	1780	46	2.0
3417.6	10000	38.1985	95.6855	-409	PD	3.7	1	8.3	-1	1.0	0	0.347	1	3.995	1	8.029	-1	1807	53	2.0
3417.5	10000	38.1985	95.6848	-409	PD	3.7	1	8.3	-1	1.0	0	0.375	1	3.635	1	8.590	-1	1837	45	2.0
3417.4	10000	38.1985	95.6840	-413	PD	3.7	1	8.3	-1	1.0	0	0.378	1	3.666	1	8.032	-1	1891	38	2.0
3417.3	10000	38.1984	95.6832	-414	PD	3.7	1	8.3	-1	1.0	0	0.451	1	3.204	1	8.052	-1	1938	49	2.0
3417.2	10000	38.1984	95.6824	-414	PD	3.7	1	8.3	-1	1.0	0	0.469	1	3.264	1	8.090	-1	1971	47	2.0
3417.1	10000	38.1984	95.6816	-413	PD	3.7	1	8.3	-1	1.0	0	0.432	1	3.259	1	8.569	-1	1980	42	2.0
3416.9	10000	38.1984	95.6808	-411	PD	3.7	1	8.3	-1	1.0	0	0.469	1	3.679	1	8.845	-1	1970	33	2.0
3416.8	10000	38.1984	95.6801	-410	PS	3.7	1	8.3	-1	1.0	0	0.491	1	3.921	1	8.191	-1	1963	51	2.0
3416.7	10000	38.1984	95.6793	-409	PS	3.7	1	8.3	-1	1.0	0	0.406	1	3.247	1	8.606	-1	1970	49	2.0
3416.6	10000	38.1984	95.6785	-408	PS	3.7	1	8.3	-1	1.0	0	0.441	1	3.525	1	8.572	-1	1980	41	2.0
3416.5	10000	38.1984	95.6777	-406	PS	3.7	1	8.3	-1	1.0	0	0.376	1	3.006	1	8.065	-1	1987	39	2.0
3416.4	10000	38.1984	95.6769	-405	PS	3.7	1	8.3	-1	1.0	0	0.376	1	3.006	1	8.065	-1	2021	51	2.0
3416.3	10000	38.1984	95.6761	-404	PS	3.7	1	8.3	-1	1.0	0	0.376	1	3.006	1	8.065	-1	2067	40	2.0
3416.2	10000	38.1984	95.6753	-403	PS	3.7	1	8.3	-1	1.0	0	0.376	1	3.006	1	8.065	-1	2124	45	2.0
3416.1	10000	38.1984	95.6745	-403	PS	3.7	1	8.3	-1	1.0	0	0.376	1	3.006	1	8.065	-1	2186	47	2.0
3416.0	10000	38.1984	95.6738	-403	PS	3.7	1	8.3	-1	1.0	0	0.376	1	3.006	1	8.065	-1	2217	46	2.0
3415.9	10000	38.1983	95.6730	-402	PS	3.7	1	8.3	-1	1.0	0	0.376	1	3.006	1	8.065	-1	2234	47	2.0
3415.8	10000	38.1983	95.6722	-402	PS	3.7	1	8.3	-1	1.0	0	0.376	1	3.006	1	8.065	-1	2259	47	2.0

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3415.8	10000	38.1983	95.6714	-400	PS	4.1	2	11.7	2	1.1	0	0.347	0	3.670	2	10.561	2	2237	44	1.9
3415.7	10000	38.1983	95.6706	-399	PS	3.8	1	11.5	2	1.1	0	0.328	0	3.372	1	10.269	2	2222	41	1.9
3415.6	10000	38.1983	95.6698	-398	PS	3.6	1	11.4	2	1.1	0	0.321	0	3.225	1	10.047	1	2209	51	1.9
3415.5	10000	38.1982	95.6691	-396	PS	3.6	1	11.1	1	1.1	0	0.322	0	3.214	1	9.989	1	2180	46	1.9
3415.4	10000	38.1982	95.6683	-395	PS	3.6	1	10.7	1	1.1	0	0.332	0	3.241	1	9.749	1	2161	39	1.9
3415.3	10000	38.1982	95.6675	-394	PS	3.5	1	10.1	1	1.1	0	0.359	0	3.273	1	9.126	1	2139	48	1.9
3415.2	10000	38.1982	95.6667	-393	PS	3.5	1	10.0	1	1.1	0	0.350	0	3.233	1	9.239	1	2084	51	1.9
3415.1	10000	38.1982	95.6659	-392	PS	3.3	1	9.4	1	1.1	-1	0.353	0	3.111	1	8.813	0	2035	42	1.9
3415.0	10000	38.1982	95.6651	-390	PS	3.2	1	9.9	1	1.0	-1	0.326	0	3.193	1	9.810	1	2007	35	1.9
3414.9	10000	38.1982	95.6643	-389	PS	3.5	1	9.6	1	1.0	-1	0.356	1	3.210	1	9.559	1	1985	56	1.9
3414.8	10000	38.1982	95.6634	-387	PS	3.5	1	9.5	1	1.0	-1	0.368	1	3.534	2	9.600	1	1981	39	1.9
3414.7	10000	38.1982	95.6626	-387	PS	3.5	1	9.3	1	1.0	-1	0.372	1	3.430	2	9.233	1	1996	44	1.9
3414.6	10000	38.1982	95.6617	-386	PS	3.6	1	9.4	1	1.0	-1	0.384	1	3.617	2	9.412	1	2018	48	1.9
3414.5	10000	38.1982	95.6609	-385	PS	3.6	1	9.3	1	1.0	-1	0.390	1	3.633	2	9.319	1	2057	48	1.9
3414.4	10000	38.1982	95.6600	-385	PS	3.4	1	9.8	1	1.0	-1	0.335	1	3.261	1	9.720	1	2089	52	1.9
3414.3	10000	38.1982	95.6592	-383	PS	3.4	1	9.2	1	1.1	-1	0.375	1	3.196	1	8.524	0	2125	62	1.9
3414.2	10000	38.1982	95.6584	-383	PS	3.4	1	8.9	1	1.1	0	0.380	1	3.128	1	8.944	1	2147	48	1.9
3414.1	10000	38.1982	95.6575	-382	PD	3.2	1	9.9	1	1.1	0	0.320	0	2.906	1	9.078	0	2161	51	1.9
3414.0	10000	38.1982	95.6567	-381	PD	3.2	1	10.0	1	1.1	0	0.319	0	2.911	1	9.137	0	2166	32	1.9
3413.9	10000	38.1982	95.6558	-380	PD	3.3	1	10.0	1	1.1	0	0.318	0	2.839	1	8.919	0	2158	52	1.8
3413.8	10000	38.1982	95.6550	-379	PD	3.7	1	10.0	1	1.1	0	0.317	0	2.961	1	9.335	0	2160	53	1.8
3413.7	10000	38.1982	95.6542	-378	PD	3.6	1	10.3	1	1.1	0	0.368	0	3.254	1	8.846	0	2179	41	1.8
3413.6	10000	38.1982	95.6533	-377	PD	3.6	1	10.3	1	1.1	0	0.353	0	3.309	1	9.363	0	2157	46	1.8
3413.5	10000	38.1982	95.6525	-376	PD	3.7	1	10.2	1	1.1	0	0.352	0	3.251	1	9.229	0	2142	49	1.8
3413.4	10000	38.1982	95.6516	-375	PD	3.6	1	10.3	1	1.1	0	0.355	0	3.363	1	9.469	0	2127	39	1.8
3413.3	10000	38.1982	95.6508	-373	PD	3.8	1	10.4	1	1.0	0	0.367	0	3.621	1	9.878	1	2093	33	1.8
3413.2	10000	38.1982	95.6499	-371	PD	3.5	1	10.3	1	1.0	0	0.343	0	3.609	1	10.511	1	2063	50	1.8
3413.1	10000	38.1982	95.6491	-370	PD	3.6	1	10.0	1	1.0	-1	0.361	0	3.688	1	10.221	1	2030	40	1.8
3413.0	10000	38.1982	95.6483	-369	PD	3.4	1	9.9	1	1.0	-1	0.340	0	3.515	1	10.328	1	1998	55	1.8
3412.9	10000	38.1982	95.6474	-367	QAL	3.5	1	9.8	1	1.0	-1	0.345	0	3.732	2	10.811	2	1990	55	1.8
3412.8	10000	38.1981	95.6466	-365	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	10.930	2	1977	55	1.8
3412.7	10000	38.1981	95.6457	-363	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	11.088	2	1956	45	1.8
3412.6	10000	38.1982	95.6449	-360	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	10.982	2	1951	45	1.8
3412.5	10000	38.1981	95.6440	-357	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	10.379	2	1954	37	1.8
3412.4	10000	38.1981	95.6432	-355	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	10.292	2	1948	30	1.8
3412.3	10000	38.1981	95.6423	-355	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	10.643	2	1941	51	1.8
3412.2	10000	38.1981	95.6415	-355	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	10.773	2	1937	55	1.8
3412.1	10000	38.1981	95.6407	-354	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	10.196	2	1949	47	1.8
3412.0	10000	38.1981	95.6398	-353	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	10.048	2	1946	56	1.8
3411.9	10000	38.1981	95.6390	-352	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	10.677	2	1955	48	1.8
3411.8	10000	38.1981	95.6381	-350	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	10.361	2	1962	51	1.8
3411.7	10000	38.1981	95.6373	-347	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	10.974	2	1970	42	1.8
3411.6	10000	38.1981	95.6364	-341	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	10.422	2	1987	43	1.8
3411.5	10000	38.1981	95.6356	-343	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	10.268	2	2006	60	1.8
3411.4	10000	38.1981	95.6348	-344	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	10.198	2	2016	44	1.8
3411.3	10000	38.1981	95.6339	-341	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	10.937	2	2032	51	1.8
3411.2	10000	38.1981	95.6331	-340	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	10.956	2	2059	49	1.8
3411.1	10000	38.1981	95.6322	-342	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	11.011	2	2077	37	1.8
3411.0	10000	38.1981	95.6314	-341	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	11.070	2	2111	36	1.8
3410.9	10000	38.1981	95.6305	-340	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	11.098	2	2129	52	1.8
3410.8	10000	38.1981	95.6297	-339	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	11.477	2	2141	42	1.8
3410.7	10000	38.1981	95.6288	-339	QAL	3.6	1	9.8	1	1.0	-1	0.369	0	3.732	2	11.829	2	2166	52	1.8

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3410.6	10000	38.1981	95.6280	-338	QAL	3.7	1	10.1	1	1.3	0	0.362	0	2.894	1	8.002	0	2209	47	1.8
3410.5	10000	38.1981	95.6272	-337	QAL	3.8	1	10.1	1	1.3	0	0.379	0	3.001	1	7.916	0	2236	53	1.8
3410.4	10000	38.1981	95.6263	-338	QAL	3.9	2	10.6	1	1.3	0	0.368	0	3.002	1	8.158	0	2259	44	1.8
3410.3	10000	38.1981	95.6255	-337	QAL	3.9	2	11.2	2	1.2	0	0.347	0	3.221	1	9.292	1	2267	58	1.8
3410.2	10000	38.1981	95.6246	-337	QAL	4.0	2	11.4	2	1.2	0	0.349	0	3.422	1	9.814	1	2275	45	1.8
3410.1	10000	38.1981	95.6238	-337	QAL	4.0	2	11.0	2	1.2	0	0.367	0	3.348	1	9.130	1	2266	47	1.7
3410.0	10000	38.1981	95.6229	-336	QAL	4.2	2	10.8	1	1.2	0	0.386	1	3.526	1	9.125	1	2247	38	1.7
3409.9	10000	38.1981	95.6221	-336	QAL	4.1	2	10.5	1	1.1	0	0.387	1	3.572	2	9.219	1	2217	41	1.7
3409.8	10000	38.1981	95.6213	-334	PD	4.0	2	10.5	1	1.1	0	0.382	1	3.574	1	9.360	0	2180	51	1.7
3409.7	10000	38.1981	95.6204	-333	PD	4.2	2	10.5	1	1.1	0	0.400	1	3.959	2	9.899	1	2158	53	1.7
3409.6	10000	38.1981	95.6196	-335	PD	4.0	2	10.1	0	1.1	0	0.397	1	3.591	1	9.041	0	2121	40	1.7
3409.5	10000	38.1981	95.6187	-337	PD	4.1	2	9.8	-1	1.1	0	0.413	1	3.763	1	9.117	0	2094	45	1.7
3409.4	10000	38.1981	95.6179	-338	PD	4.1	2	9.7	-1	1.0	0	0.428	2	4.313	2	10.070	1	2077	52	1.7
3409.3	10000	38.1981	95.6170	-339	PD	4.0	2	9.6	-1	1.0	0	0.412	1	4.155	2	10.076	1	2062	43	1.7
3409.2	10000	38.1981	95.6162	-340	PD	3.9	2	9.8	-1	1.0	0	0.396	1	3.857	1	9.741	1	2048	47	1.7
3409.1	10000	38.1981	95.6154	-340	PD	3.9	2	9.4	-1	1.0	0	0.416	2	4.015	2	9.653	0	2019	47	1.7
3409.0	10000	38.1981	95.6145	-340	PS	3.9	2	9.1	-1	1.0	0	0.431	2	4.029	3	9.358	1	1995	55	1.8
3408.9	10000	38.1981	95.6137	-341	PS	3.9	2	8.9	-1	1.0	0	0.435	2	3.989	3	9.169	1	1995	47	1.8
3408.8	10000	38.1980	95.6128	-341	PS	3.8	1	8.8	-1	1.0	0	0.435	2	3.787	2	8.700	0	2001	51	1.8
3408.7	10000	38.1980	95.6120	-342	PS	3.7	1	8.8	0	1.0	1	0.398	1	3.426	1	8.598	0	2011	42	1.8
3408.6	10000	38.1980	95.6111	-341	PS	3.7	1	9.2	0	1.1	1	0.395	1	3.230	1	8.186	0	2016	43	1.8
3408.5	10000	38.1980	95.6103	-342	PS	3.7	1	9.4	0	1.1	2	0.394	1	3.277	1	8.323	0	2047	38	1.8
3408.4	10000	38.1980	95.6095	-343	PS	3.7	1	9.5	0	1.1	2	0.383	1	3.105	1	8.101	0	2097	49	1.8
3408.3	10000	38.1980	95.6086	-342	PS	3.7	1	9.7	0	1.2	3	0.383	1	2.983	1	7.795	0	2143	48	1.8
3408.2	10000	38.1980	95.6078	-343	PS	3.8	1	9.9	0	1.2	3	0.386	1	3.095	1	8.028	0	2173	45	1.8
3408.1	10000	38.1980	95.6069	-343	PS	3.8	2	10.0	0	1.2	3	0.372	1	3.018	1	8.108	0	2186	46	1.8
3408.0	10000	38.1980	95.6061	-344	PS	3.8	2	10.0	0	1.2	3	0.382	1	3.096	1	8.105	0	2188	49	1.8
3407.9	10000	38.1980	95.6052	-344	PS	3.8	2	10.0	0	1.2	3	0.351	1	3.095	1	8.813	0	2182	52	1.8
3407.8	10000	38.1980	95.6044	-345	PS	3.8	2	10.0	0	1.2	3	0.343	1	3.030	1	8.823	0	2142	49	1.8
3407.7	10000	38.1980	95.6035	-345	PD	3.8	2	10.0	0	1.2	3	0.314	1	2.922	1	9.300	0	2097	40	1.8
3407.6	10000	38.1980	95.6027	-345	PD	3.8	2	10.0	0	1.2	3	0.298	1	2.888	1	9.675	0	2048	52	1.8
3407.5	10000	38.1980	95.6019	-346	PD	3.8	2	10.0	0	1.2	3	0.303	1	2.888	1	9.640	0	2003	41	1.8
3407.4	10000	38.1980	95.6010	-347	PD	3.8	2	10.0	0	1.2	3	0.288	1	2.913	1	9.349	0	1979	49	1.8
3407.3	10000	38.1980	95.6002	-348	PD	3.8	2	10.0	0	1.2	3	0.330	1	3.017	1	10.466	1	1976	47	1.8
3407.2	10000	38.1980	95.5993	-348	PD	3.8	2	10.0	0	1.2	3	0.314	1	2.913	1	9.805	0	1997	48	1.8
3407.1	10000	38.1980	95.5985	-348	PD	3.8	2	10.0	0	1.2	3	0.317	1	2.913	1	9.993	0	2010	46	1.8
3407.0	10000	38.1980	95.5976	-348	PD	3.8	2	10.0	0	1.2	3	0.352	1	3.238	1	9.773	0	2042	41	1.8
3406.9	10000	38.1980	95.5968	-348	PD	3.8	2	10.0	0	1.2	3	0.326	1	3.100	1	9.396	0	2077	38	1.8
3406.8	10000	38.1980	95.5959	-350	PD	3.8	2	10.0	0	1.2	3	0.352	1	3.311	1	9.226	0	2111	50	1.8
3406.7	10000	38.1980	95.5951	-351	PD	3.8	2	10.0	0	1.2	3	0.322	1	3.009	1	9.249	0	2119	37	1.8
3406.6	10000	38.1980	95.5943	-352	PD	3.8	2	10.0	0	1.2	3	0.341	1	3.941	1	9.398	0	2111	31	1.8
3406.5	10000	38.1980	95.5934	-352	PD	3.8	2	10.0	0	1.2	3	0.334	1	3.960	1	9.708	0	2078	55	1.8
3406.4	10000	38.1980	95.5926	-352	PD	3.8	2	10.0	0	1.2	3	0.280	1	3.807	2	9.791	0	2079	58	1.8
3406.3	10000	38.1980	95.5917	-353	PD	3.8	2	10.0	0	1.2	3	0.338	1	3.002	2	9.174	0	2077	33	1.8
3406.2	10000	38.1980	95.5909	-353	PD	3.8	2	10.0	0	1.2	3	0.288	1	3.065	2	9.432	0	2064	55	1.8
3406.1	10000	38.1980	95.5900	-354	PD	3.8	2	10.0	0	1.2	3	0.258	1	3.043	2	9.664	0	2066	44	1.8
3406.0	10000	38.1980	95.5892	-355	PD	3.8	2	10.0	0	1.2	3	0.288	1	3.029	2	9.539	0	2086	54	1.8
3405.9	10000	38.1980	95.5884	-356	PD	3.8	2	10.0	0	1.2	3	0.257	1	3.031	2	9.725	0	2113	55	1.8
3405.8	10000	38.1980	95.5875	-356	PD	3.8	2	10.0	0	1.2	3	0.258	1	3.042	2	9.569	0	2143	44	1.8
3405.7	10000	38.1980	95.5867	-357	PD	3.8	2	10.0	0	1.2	3	0.257	1	3.034	2	9.731	0	2125	57	1.8
3405.6	10000	38.1980	95.5858	-357	PD	3.7	2	10.0	0	1.2	3	0.246	1	2.963	2	9.595	0	2107	49	1.8
3405.5	10000	38.1980	95.5850	-357	PD	4.0	2	10.0	0	1.2	3	0.401	1	3.420	2	10.034	0	2126	56	1.8

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3405.4	10000	38.1980	95.5841	-358	PD	4.0	2	10.1	0	0.9	-1	0.389	1	4.564	3	11.719	2	2094	56	1.8
3405.3	10000	38.1980	95.5833	-358	PD	4.1	2	10.0	0	0.8	-1	0.413	1	4.916	3	11.916	2	2086	46	1.8
3405.2	10000	38.1980	95.5825	-359	PD	4.0	2	9.8	0	0.8	-2	0.412	1	4.857	3	11.785	2	2064	40	1.8
3405.1	10000	38.1980	95.5816	-360	PD	4.0	2	10.0	0	0.8	-1	0.403	1	4.803	3	11.908	2	2050	50	1.8
3405.0	10000	38.1979	95.5808	-362	PD	3.9	2	10.0	0	0.8	-2	0.394	1	4.820	3	12.246	2	2028	43	1.8
3404.9	10000	38.1979	95.5799	-362	PD	4.0	2	9.7	0	0.8	-2	0.408	1	4.808	3	11.771	2	2007	39	1.8
3404.8	10000	38.1979	95.5791	-363	PD	3.9	2	9.5	0	0.8	-2	0.412	1	4.705	3	11.416	2	1985	40	1.8
3404.7	10000	38.1979	95.5782	-364	PD	4.0	2	9.3	0	0.8	-2	0.427	2	4.782	3	11.212	2	1945	52	1.9
3404.6	10000	38.1979	95.5774	-364	PD	3.8	1	9.2	0	0.8	-1	0.415	2	4.531	3	10.908	1	1899	42	1.9
3404.5	10000	38.1979	95.5766	-365	PD	3.9	2	8.8	-1	0.8	-2	0.448	2	4.696	3	10.484	1	1864	53	1.9
3404.4	10000	38.1979	95.5757	-366	PD	3.7	1	9.2	0	0.8	-2	0.395	1	4.577	3	11.579	2	1828	48	1.9
3404.3	10000	38.1979	95.5749	-367	PD	3.4	0	9.4	0	0.8	-2	0.362	1	4.141	2	11.426	2	1814	47	1.9
3404.2	10000	38.1979	95.5740	-368	PD	3.3	0	9.6	0	0.8	-2	0.338	0	3.988	2	11.810	2	1812	44	1.9
3404.1	10000	38.1979	95.5732	-368	PD	3.2	0	9.6	0	0.8	-2	0.335	0	4.249	2	12.694	3	1811	45	1.9
3404.0	10000	38.1979	95.5723	-369	PD	3.2	0	9.3	0	0.8	-2	0.343	0	4.094	2	11.929	2	1823	49	1.9
3403.9	10000	38.1979	95.5715	-370	PD	2.9	0	9.5	0	0.8	-2	0.312	0	3.891	2	12.485	2	1850	51	1.9
3403.8	10000	38.1979	95.5706	-370	PD	3.1	0	9.6	0	0.7	-2	0.321	0	4.269	2	13.288	3	1875	49	1.9
3403.7	10000	38.1979	95.5698	-372	PD	3.3	0	9.0	-1	0.8	-2	0.364	1	4.292	2	11.802	2	1917	42	1.9
3403.6	10000	38.1979	95.5690	-372	PD	3.5	1	8.9	-1	0.8	-2	0.395	1	4.551	3	11.507	2	1960	50	1.9
3403.5	10000	38.1979	95.5681	-373	PD	3.6	1	9.3	0	0.8	-2	0.388	1	4.559	3	11.738	2	1986	39	1.9
3403.4	10000	38.1979	95.5673	-373	PD	3.6	1	9.6	0	0.8	-1	0.377	1	4.308	2	11.419	2	2019	46	1.9
3403.3	10000	38.1979	95.5664	-374	PD	3.5	1	9.9	0	0.9	-1	0.357	0	4.074	2	11.422	2	2047	52	1.9
3403.2	10000	38.1979	95.5656	-376	PD	3.8	1	10.5	1	0.9	-1	0.361	1	4.298	2	11.892	2	2068	44	1.9
3403.1	10000	38.1979	95.5647	-377	PD	3.5	1	10.3	1	0.9	-1	0.336	0	3.660	1	10.901	1	2063	45	1.9
3403.0	10000	38.1979	95.5639	-378	PD	3.5	1	10.3	1	0.9	-1	0.343	0	3.781	1	11.013	1	2036	50	1.9
3402.9	10000	38.1979	95.5630	-379	PD	3.4	1	10.0	1	0.9	-1	0.341	0	3.695	1	10.823	1	2007	41	1.9
3402.8	10000	38.1979	95.5622	-380	PD	3.3	1	9.7	1	0.8	-1	0.362	0	3.920	1	10.816	1	1976	52	1.9
3402.7	10000	38.1979	95.5614	-382	PD	3.7	1	9.9	1	0.8	-1	0.410	0	4.555	2	11.097	2	1948	43	1.9
3402.6	10000	38.1979	95.5605	-383	PD	3.4	1	9.8	1	0.8	-1	0.387	0	4.637	2	11.981	2	1894	38	1.9
3402.5	10000	38.1979	95.5597	-384	PD	3.8	1	9.8	1	0.8	-1	0.411	0	4.433	2	10.779	2	1852	60	1.9
3402.4	10000	38.1979	95.5588	-386	PD	3.5	1	9.7	1	0.8	-1	0.399	0	4.824	2	12.086	2	1836	33	1.9
3402.3	10000	38.1979	95.5580	-387	PD	3.8	1	9.7	1	0.8	-1	0.410	0	5.246	3	12.802	2	1819	41	1.9
3402.2	10000	38.1979	95.5571	-387	PD	3.5	1	9.6	1	0.8	-1	0.376	0	5.134	3	13.654	2	1783	50	1.9
3402.1	10000	38.1979	95.5563	-389	PD	3.5	1	9.4	1	0.8	-1	0.354	0	5.781	3	13.494	2	1759	42	1.9
3402.0	10000	38.1979	95.5555	-391	PD	3.4	1	9.2	1	0.8	-1	0.299	0	5.920	3	13.090	2	1727	45	1.9
3401.9	10000	38.1979	95.5546	-393	PD	3.4	1	9.2	1	0.8	-1	0.318	0	5.951	3	12.430	2	1724	61	1.9
3401.8	10000	38.1978	95.5538	-395	PD	3.4	1	9.2	1	0.8	-1	0.324	0	6.251	4	13.134	2	1682	48	1.9
3401.7	10000	38.1979	95.5530	-396	PD	3.4	1	9.2	1	0.8	-1	0.351	0	6.239	4	12.063	2	1632	46	1.9
3401.6	10000	38.1979	95.5522	-398	PD	3.4	1	9.2	1	0.8	-1	0.332	0	6.885	4	11.712	2	1581	47	1.9
3401.5	10000	38.1979	95.5514	-400	PD	3.4	1	9.2	1	0.8	-1	0.384	0	6.141	4	11.773	2	1558	44	1.9
3401.4	10000	38.1979	95.5506	-402	PD	3.4	1	9.2	1	0.8	-1	0.377	0	6.303	4	11.424	2	1533	54	1.9
3401.3	10000	38.1979	95.5498	-403	PD	3.4	1	9.2	1	0.8	-1	0.380	0	6.171	4	11.963	2	1518	49	1.9
3401.2	10000	38.1979	95.5490	-405	PD	3.4	1	9.2	1	0.8	-1	0.337	0	5.853	3	11.902	2	1489	40	1.9
3401.1	10000	38.1980	95.5482	-406	PD	3.4	1	9.2	1	0.8	-1	0.327	0	5.650	3	11.152	2	1472	58	1.9
3401.0	10000	38.1980	95.5474	-408	PD	3.4	1	9.2	1	0.8	-1	0.300	0	5.514	3	11.713	2	1471	49	1.9
3400.9	10000	38.1980	95.5466	-411	PD	3.4	1	9.2	1	0.8	-1	0.297	0	5.404	3	11.338	2	1488	45	1.9
3400.8	10000	38.1980	95.5458	-413	PD	3.4	1	9.2	1	0.8	-1	0.322	0	5.754	3	11.623	2	1494	47	1.9
3400.7	10000	38.1980	95.5450	-415	PD	3.4	1	9.2	1	0.8	-1	0.335	0	5.821	3	11.847	2	1510	54	1.9
3400.6	10000	38.1980	95.5442	-417	PD	3.4	1	9.2	1	0.8	-1	0.358	0	5.933	3	12.215	2	1518	43	1.9
3400.5	10000	38.1980	95.5434	-419	PD	3.4	1	9.2	1	0.8	-1	0.382	0	6.022	4	12.762	2	1528	47	1.9
3400.4	10000	38.1981	95.5426	-421	PD	3.4	1	9.2	1	0.8	-1	0.402	0	6.264	4	13.102	2	1550	42	1.9
3400.3	10000	38.1981	95.5418	-423	PD	3.4	1	9.2	1	0.8	-1	0.402	0	6.264	4	13.083	2	1566	49	1.9

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3400.2	10000	38.1981	95.5410	-425	PD	3.2	0	7.2	-2	0.5	-3	0.444	2	6.097	5	13.739	3	1606	49	2.0
3400.1	10000	38.1981	95.5402	-427	PD	3.3	0	7.1	-2	0.5	-3	0.465	2	6.079	5	13.086	3	1623	54	2.0
3400.0	10000	38.1981	95.5394	-429	PD	3.3	0	7.5	-2	0.6	-3	0.433	2	5.930	5	13.707	3	1630	36	2.0
3399.9	10000	38.1981	95.5386	-430	PD	3.4	0	7.2	-2	0.6	-3	0.473	3	5.932	5	12.529	3	1626	40	2.0
3399.8	10000	38.1982	95.5378	-433	PD	3.5	1	7.3	-2	0.6	-3	0.486	3	6.269	5	12.886	3	1652	43	2.0
3399.7	10000	38.1982	95.5370	-435	PD	3.6	1	7.8	-2	0.5	-3	0.466	2	6.664	6	14.291	4	1676	50	2.0
3399.6	10000	38.1982	95.5362	-436	PD	3.5	1	8.2	-1	0.6	-3	0.424	2	6.079	5	14.352	4	1688	49	2.0
3399.5	10000	38.1982	95.5354	-438	PD	2.9	-1	8.5	-1	0.6	-3	0.339	0	5.028	3	14.817	4	1669	49	2.0
3399.4	10000	38.1982	95.5346	-440	PD	2.8	-1	8.9	-1	0.6	-3	0.313	0	4.359	2	13.918	3	1697	42	2.0
3399.3	10000	38.1982	95.5338	-441	PD	2.8	-1	8.7	-1	0.6	-3	0.325	0	4.516	3	13.880	3	1713	56	2.0
3399.2	10000	38.1982	95.5330	-443	PD	3.0	0	8.9	-1	0.7	-2	0.332	0	4.377	2	13.170	3	1764	40	2.0
3399.1	10000	38.1982	95.5322	-445	PD	2.7	-1	9.4	0	0.7	-2	0.291	-1	3.945	2	13.541	3	1789	39	2.0
3399.0	10000	38.1983	95.5314	-447	PD	2.6	-1	9.4	0	0.7	-2	0.275	-1	3.555	1	12.943	3	1818	47	2.0
3398.9	10000	38.1983	95.5306	-449	PD	2.8	-1	9.6	0	0.8	-2	0.288	-1	3.671	1	12.743	3	1849	52	2.0
3398.8	10000	38.1983	95.5298	-450	PD	3.0	0	9.6	0	0.8	-2	0.315	0	3.871	2	12.301	2	1896	31	2.0
3398.7	10000	38.1983	95.5290	-452	PD	3.2	0	9.8	0	0.8	-2	0.325	0	4.181	2	12.856	3	1904	51	2.0
3398.6	10000	38.1983	95.5282	-454	PD	3.2	0	10.0	0	0.8	-2	0.319	0	4.147	2	13.013	3	1928	44	2.0
3398.5	10000	38.1983	95.5274	-455	PD	3.0	0	10.2	0	0.7	-2	0.297	-1	4.139	2	13.946	3	1937	51	2.0
3398.4	10000	38.1984	95.5266	-457	PD	3.2	0	9.8	0	0.8	-2	0.330	0	4.218	2	12.773	3	1932	54	2.0
3398.3	10000	38.1984	95.5258	-458	PD	3.3	0	9.7	0	0.8	-2	0.340	0	4.201	2	12.349	2	1921	49	2.0
3398.2	10000	38.1984	95.5250	-461	PD	3.3	0	9.8	0	0.8	-2	0.339	0	4.098	2	12.075	2	1927	47	2.0
3398.1	10000	38.1984	95.5242	-462	PD	3.4	0	9.6	0	0.8	-2	0.349	0	4.189	2	11.999	2	1906	43	2.0
3398.0	10000	38.1984	95.5234	-464	PD	3.1	0	9.4	0	0.8	-2	0.329	0	3.770	1	11.456	2	1905	49	2.0
3397.9	10000	38.1984	95.5226	-466	PD	3.2	0	9.3	0	0.8	-2	0.344	0	3.846	1	11.164	2	1899	44	2.0
3397.8	10000	38.1984	95.5218	-468	PD	3.1	0	9.2	0	0.9	-1	0.341	0	3.546	1	10.395	1	1886	48	2.0
3397.7	10000	38.1985	95.5210	-470	PD	2.8	-1	9.4	0	0.9	-1	0.295	-1	3.113	0	10.558	1	1880	47	2.0
3397.6	10000	38.1985	95.5202	-471	PD	2.8	-1	9.4	0	0.9	-1	0.297	-1	3.195	0	10.753	1	1880	53	2.0
3397.5	10000	38.1985	95.5194	-473	PD	2.8	-1	9.1	-1	0.8	-2	0.305	-1	3.362	1	11.015	1	1871	50	2.0
3397.4	10000	38.1985	95.5186	-475	PD	2.9	-1	9.4	0	0.8	-2	0.308	-1	3.497	1	11.364	2	1878	49	2.0
3397.3	10000	38.1985	95.5178	-477	PD	3.0	0	9.4	0	0.8	-2	0.340	0	3.782	1	11.115	2	1885	41	2.0
3397.2	10000	38.1985	95.5170	-479	PD	3.0	0	9.4	0	0.8	-2	0.354	0	3.754	1	10.611	1	1903	39	2.0
3397.1	10000	38.1985	95.5162	-481	PD	3.0	0	9.4	0	0.8	-2	0.356	0	3.886	1	10.929	1	1919	37	2.0
3397.0	10000	38.1986	95.5154	-483	PD	3.0	0	9.4	0	0.8	-2	0.389	0	4.203	1	10.800	1	1955	49	2.0
3396.9	10000	38.1986	95.5146	-485	PD	3.0	0	9.4	0	0.8	-2	0.414	0	4.173	1	10.087	1	1984	42	2.0
3396.8	10000	38.1986	95.5138	-487	PD	3.0	0	9.4	0	0.8	-2	0.399	0	4.109	1	10.306	1	2006	46	2.0
3396.7	10000	38.1986	95.5130	-489	PD	3.0	0	9.4	0	0.8	-2	0.397	0	3.991	1	10.048	1	2020	53	2.0
3396.6	10000	38.1986	95.5122	-491	PD	3.0	0	9.4	0	0.8	-2	0.365	0	3.930	1	10.779	2	2024	42	2.0
3396.5	10000	38.1986	95.5114	-493	PD	3.0	0	9.4	0	0.8	-2	0.333	0	3.757	1	10.266	1	2017	50	2.0
3396.4	10000	38.1987	95.5106	-495	PD	3.0	0	9.4	0	0.8	-2	0.322	0	3.523	1	10.945	2	2002	40	2.0
3396.3	10000	38.1987	95.5098	-497	PD	3.0	0	9.4	0	0.8	-2	0.315	0	3.285	1	10.432	1	1988	54	2.0
3396.2	10000	38.1987	95.5090	-498	PD	3.0	0	9.4	0	0.8	-2	0.285	0	2.972	1	10.420	1	1986	61	2.0
3396.1	10000	38.1987	95.5082	-499	PD	3.0	0	9.4	0	0.8	-2	0.261	0	2.946	1	10.337	1	2005	50	2.0
3396.0	10000	38.1987	95.5074	-501	PD	3.0	0	9.4	0	0.8	-2	0.304	0	2.816	1	10.785	1	2044	34	2.0
3395.9	10000	38.1987	95.5067	-504	PD	3.0	0	9.4	0	0.8	-2	0.320	0	3.185	1	10.493	1	2071	43	2.0
3395.8	10000	38.1987	95.5058	-506	PD	3.0	0	9.4	0	0.8	-2	0.288	0	2.201	1	9.990	1	2116	51	2.0
3395.7	10000	38.1988	95.5051	-508	PD	3.0	0	9.4	0	0.8	-2	0.336	0	3.207	1	9.774	1	2160	51	2.0
3395.6	10000	38.1988	95.5043	-510	PD	3.0	0	9.4	0	0.8	-2	0.334	0	3.170	1	9.812	1	2195	49	2.0
3395.5	10000	38.1988	95.5034	-511	PD	3.0	0	9.4	0	0.8	-2	0.344	0	3.291	1	9.411	1	2199	68	2.0
3395.4	10000	38.1988	95.5027	-513	PD	3.0	0	9.4	0	0.8	-2	0.334	0	3.188	1	9.539	1	2203	33	2.0
3395.3	10000	38.1988	95.5019	-515	PD	3.0	0	9.4	0	0.8	-2	0.334	0	3.099	1	9.005	1	2179	40	2.0
3395.2	10000	38.1988	95.5011	-516	PD	3.0	0	9.4	0	0.8	-2	0.318	0	2.913	1	8.720	1	2186	36	2.0
3395.1	10000	38.1988	95.5003	-518	PD	3.3	0	10.2	0	1.1	-1	0.318	0	2.890	1	9.073	1	2162	41	2.0

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3395.0	10000	38.1989	95.4995	-519	PD	3.4	0	10.3	1	1.1	0	0.329	0	3.113	0	9.451	0	2138	42	2.0
3394.9	10000	38.1989	95.4987	-520	PD	3.6	1	10.4	1	1.1	0	0.350	0	3.339	1	9.547	0	2122	38	1.9
3394.8	10000	38.1989	95.4979	-522	PD	3.7	1	9.8	0	1.1	0	0.374	1	3.304	1	8.832	0	2121	50	1.9
3394.7	10000	38.1989	95.4971	-523	PD	3.7	1	10.2	0	1.1	0	0.363	1	3.414	1	9.394	0	2111	38	1.9
3394.6	10000	38.1989	95.4963	-524	PD	3.8	1	10.3	1	1.0	0	0.368	1	3.632	1	9.859	1	2104	41	1.9
3394.5	10000	38.1989	95.4955	-525	PD	3.7	1	10.3	1	1.0	0	0.359	1	3.538	1	9.865	1	2082	43	1.9
3394.4	10000	38.1989	95.4947	-526	PD	3.6	1	9.8	0	1.0	0	0.365	1	3.421	1	9.366	0	2074	50	1.9
3394.3	10000	38.1990	95.4939	-527	PD	3.4	0	9.7	0	1.1	0	0.348	0	3.112	0	8.943	0	2093	52	1.9
3394.2	10000	38.1990	95.4931	-528	PD	3.4	0	10.0	0	1.1	0	0.339	0	3.150	0	9.280	0	2100	49	1.9
3394.1	10000	38.1990	95.4923	-529	PD	3.3	0	10.7	1	1.1	0	0.308	0	3.096	0	10.068	1	2115	38	1.9
3394.0	10000	38.1990	95.4915	-530	PD	3.4	0	10.4	1	1.1	0	0.322	0	3.141	0	9.764	1	2111	62	1.9
3393.9	10000	38.1990	95.4907	-531	PD	3.5	1	10.3	1	1.1	0	0.341	0	3.187	0	9.353	0	2125	41	1.9
3393.8	10000	38.1990	95.4899	-531	PD	3.4	1	10.4	1	1.1	0	0.330	0	3.205	0	9.699	1	2141	32	1.9
3393.7	10000	38.1991	95.4891	-532	PD	3.7	1	10.7	1	1.0	0	0.349	0	3.604	1	10.332	1	2157	54	1.9
3393.6	10000	38.1991	95.4883	-532	PD	4.0	2	11.2	1	1.0	-1	0.356	0	3.941	2	11.084	1	2152	42	1.9
3393.5	10000	38.1991	95.4875	-533	PD	3.8	1	10.7	1	1.0	0	0.352	0	3.667	1	10.411	1	2128	42	1.9
3393.4	10000	38.1991	95.4867	-534	PD	3.8	1	10.5	1	1.0	0	0.361	1	3.666	1	10.143	1	2119	45	1.9
3393.3	10000	38.1991	95.4859	-536	PD	3.8	1	10.6	1	1.0	-1	0.358	0	3.894	2	10.887	1	2117	48	1.9
3393.2	10000	38.1991	95.4851	-536	PD	3.5	1	10.7	1	1.0	-1	0.332	0	3.708	1	11.166	2	2114	47	1.9
3393.1	10000	38.1991	95.4843	-537	PD	3.5	1	11.0	1	1.0	-1	0.318	0	3.557	1	11.179	2	2121	46	1.9
3393.0	10000	38.1992	95.4835	-538	PD	3.3	0	11.0	1	1.0	0	0.300	-1	3.140	0	10.456	1	2121	54	1.9
3392.9	10000	38.1992	95.4827	-538	PD	3.3	0	10.6	1	1.1	0	0.310	0	3.119	0	10.070	1	2118	50	1.9
3392.8	10000	38.1992	95.4819	-539	PD	3.6	1	10.9	1	1.0	0	0.330	0	3.536	1	10.732	1	2147	38	1.9
3392.7	10000	38.1992	95.4811	-539	PD	3.8	1	10.8	1	1.0	0	0.355	0	3.739	1	10.541	1	2168	59	1.9
3392.6	10000	38.1992	95.4803	-540	PD	3.7	1	10.8	1	1.1	0	0.339	0	3.243	0	9.569	1	2181	46	1.9
3392.5	10000	38.1992	95.4795	-540	PD	3.8	1	10.8	1	1.1	0	0.350	0	3.283	1	9.375	0	2186	44	1.9
3392.4	10000	38.1992	95.4787	-540	PD	3.6	1	10.7	1	1.2	1	0.337	0	3.049	0	9.055	0	2185	58	1.9
3392.3	10000	38.1993	95.4779	-541	PD	3.6	1	10.9	1	1.2	0	0.328	0	3.052	0	9.304	0	2186	39	1.9
3392.2	10000	38.1993	95.4771	-541	PD	3.2	0	11.3	1	1.2	-1	0.283	-1	2.720	0	9.611	0	2195	55	1.9
3392.1	10000	38.1993	95.4763	-541	PD	3.1	0	11.5	2	1.2	-1	0.268	-1	2.567	-1	9.579	0	2192	41	1.9
3392.0	10000	38.1993	95.4755	-542	PD	3.1	0	11.3	1	1.2	-1	0.274	-1	2.578	-1	9.410	0	2182	65	1.9
3391.9	10000	38.1993	95.4747	-542	PD	3.2	0	11.2	1	1.1	-1	0.285	-1	2.671	-1	10.065	1	2163	32	1.9
3391.8	10000	38.1993	95.4739	-542	PD	3.2	0	11.1	1	1.1	-1	0.294	-1	2.931	-1	9.983	1	2160	47	1.9
3391.7	10000	38.1993	95.4731	-542	PD	3.6	1	11.1	1	1.1	-1	0.327	-1	3.547	-1	10.831	1	2142	50	1.9
3391.6	10000	38.1994	95.4723	-542	PD	3.6	1	10.8	1	1.1	-1	0.338	-1	3.713	-1	10.982	2	2127	62	1.9
3391.5	10000	38.1994	95.4715	-542	PD	3.6	1	10.6	1	1.1	-1	0.339	-1	3.155	-1	10.603	2	2115	43	1.9
3391.4	10000	38.1994	95.4707	-542	PD	3.6	1	10.5	1	1.1	-1	0.339	-1	3.262	-1	10.788	2	2092	35	1.9
3391.3	10000	38.1994	95.4699	-541	PD	3.6	1	10.4	1	1.1	-1	0.339	-1	3.304	-1	10.853	2	2076	54	1.9
3391.2	10000	38.1994	95.4691	-540	PD	3.6	1	10.2	1	1.1	-1	0.339	-1	3.193	-1	10.749	2	2069	41	1.9
3391.1	10000	38.1994	95.4683	-539	PD	3.6	1	10.1	1	1.1	-1	0.339	-1	3.345	-1	11.215	3	2057	44	1.9
3391.0	10000	38.1995	95.4675	-540	PD	3.6	1	9.9	1	1.1	-1	0.339	-1	3.285	-1	11.672	3	2056	48	1.9
3390.9	10000	38.1995	95.4667	-542	PD	3.6	1	10.1	1	1.1	-1	0.339	-1	3.686	-1	12.172	3	2053	53	1.9
3390.8	10000	38.1995	95.4659	-542	PD	3.6	1	10.6	1	1.1	-1	0.339	-1	3.799	-1	12.358	3	2056	48	1.9
3390.7	10000	38.1995	95.4651	-542	PD	3.6	1	11.1	1	1.1	-1	0.339	-1	3.813	-1	12.249	3	2044	62	1.9
3390.6	10000	38.1995	95.4643	-542	PD	3.6	1	11.2	1	1.1	-1	0.339	-1	3.852	-1	12.327	3	2028	48	1.9
3390.5	10000	38.1995	95.4635	-541	PD	3.6	1	11.5	1	1.1	-1	0.339	-1	3.793	-1	12.132	3	2018	46	1.9
3390.4	10000	38.1995	95.4627	-541	PD	3.6	1	11.6	1	1.1	-1	0.339	-1	3.793	-1	12.544	4	2007	35	1.9
3390.3	10000	38.1995	95.4619	-541	PD	3.6	1	11.7	1	1.1	-1	0.339	-1	3.793	-1	12.646	4	2010	48	1.9
3390.2	10000	38.1996	95.4611	-540	PD	3.6	1	11.6	1	1.1	-1	0.339	-1	3.793	-1	12.317	4	2011	41	1.9
3390.1	10000	38.1996	95.4603	-540	PD	3.6	1	11.5	1	1.1	-1	0.339	-1	3.793	-1	12.552	4	2022	44	1.9
3390.0	10000	38.1996	95.4595	-540	PD	3.6	1	11.3	1	1.1	-1	0.339	-1	3.793	-1	12.648	4	2072	38	1.9
3389.9	10000	38.1996	95.4587	-539	PD	3.2	0	10.5	1	1.1	-1	0.303	-1	3.065	-1	10.123	3	2053	53	1.9

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3389.8	10000	38.1996	95.4579	-538	PD	3.1	0	10.8	1	1.1	0	0.285	-1	2.704	0	9.502	0	2115	54	1.9
3389.7	10000	38.1996	95.4571	-537	PD	3.0	0	11.5	2	1.2	0	0.262	-1	2.585	-1	9.870	1	2140	49	1.9
3389.6	10000	38.1996	95.4563	-537	PD	3.2	0	11.1	1	1.2	1	0.286	-1	2.672	0	9.329	0	2167	64	1.9
3389.5	10000	38.1997	95.4555	-536	PD	3.4	0	11.0	1	1.2	1	0.305	-1	2.797	0	9.183	0	2200	48	1.9
3389.4	10000	38.1997	95.4547	-535	PD	3.3	0	11.6	2	1.2	1	0.288	-1	2.728	0	9.484	0	2247	41	1.9
3389.3	10000	38.1997	95.4539	-534	PD	3.5	1	11.4	1	1.2	1	0.306	0	2.787	0	9.120	0	2271	46	1.9
3389.2	10000	38.1997	95.4531	-534	PD	3.6	1	11.4	2	1.2	1	0.314	0	2.918	0	9.283	0	2265	60	1.9
3389.1	10000	38.1997	95.4523	-532	PD	3.6	1	11.7	2	1.2	1	0.310	0	3.032	0	9.783	1	2273	58	2.0
3389.0	10000	38.1997	95.4515	-532	PD	3.5	1	11.6	2	1.2	1	0.300	-1	2.803	0	9.341	0	2292	43	2.0
3388.9	10000	38.1998	95.4507	-531	PD	3.4	1	11.8	2	1.3	1	0.286	-1	2.616	-1	9.135	0	2307	40	2.0
3388.8	10000	38.1998	95.4499	-529	PD	3.4	0	12.0	2	1.4	2	0.282	-1	2.476	-1	8.777	0	2320	54	2.0
3388.7	10000	38.1998	95.4491	-525	PD	3.4	0	11.7	2	1.3	1	0.290	-1	2.536	-1	8.742	0	2319	44	2.0
3388.6	10000	38.1998	95.4483	-519	PD	3.6	1	11.8	2	1.3	1	0.306	0	2.688	0	8.784	0	2325	43	2.0
3388.5	10000	38.1998	95.4475	-512	PD	3.5	1	11.5	2	1.3	1	0.303	-1	2.610	-1	8.605	0	2308	52	2.0
3388.4	10000	38.1998	95.4467	-509	PD	3.5	1	11.5	2	1.4	2	0.305	-1	2.562	-1	8.402	0	2298	49	2.0
3388.3	10000	38.1998	95.4459	-510	PD	3.8	1	11.6	2	1.3	1	0.331	0	2.883	0	8.701	0	2298	51	2.0
3388.2	10000	38.1998	95.4451	-510	PD	3.9	1	11.5	2	1.3	1	0.336	0	3.071	0	9.136	0	2288	51	2.0
3388.1	10000	38.1998	95.4443	-510	PD	3.7	1	11.4	2	1.2	1	0.323	0	3.001	0	9.280	0	2268	39	2.0
3388.0	10000	38.1997	95.4435	-510	PD	3.7	1	11.7	2	1.2	1	0.320	0	3.080	0	9.629	0	2250	43	2.0
3387.9	10000	38.1997	95.4427	-508	PD	3.6	1	11.9	2	1.2	1	0.308	0	3.001	0	9.755	1	2243	58	2.0
3387.8	10000	38.1997	95.4418	-505	PD	3.6	1	11.7	2	1.2	1	0.307	0	2.951	0	9.601	0	2260	36	2.0
3387.7	10000	38.1997	95.4410	-503	PD	3.5	1	11.5	2	1.2	1	0.307	0	2.930	0	9.555	0	2280	50	2.0
3387.6	10000	38.1997	95.4402	-499	PD	3.7	1	11.3	1	1.2	1	0.325	0	2.987	0	9.192	0	2278	48	2.0
3387.5	10000	38.1997	95.4394	-497	PD	3.5	1	11.6	2	1.2	1	0.303	-1	2.883	0	9.516	0	2285	52	2.0
3387.4	10000	38.1997	95.4386	-494	PD	3.7	1	11.3	1	1.2	1	0.329	0	3.151	0	9.573	0	2287	51	2.0
3387.3	10000	38.1997	95.4378	-492	PD	3.7	1	11.3	1	1.2	1	0.339	0	3.163	0	9.322	0	2294	50	2.0
3387.2	10000	38.1997	95.4370	-489	PD	3.6	1	10.8	1	1.2	1	0.333	0	3.051	0	9.163	0	2308	48	2.1
3387.1	10000	38.1997	95.4362	-487	PD	3.7	1	11.4	2	1.2	1	0.324	0	3.143	0	9.709	0	2312	41	2.1
3387.0	10000	38.1997	95.4353	-486	PD	3.9	1	11.6	2	1.2	1	0.339	0	3.273	0	9.669	0	2314	53	2.1
3386.9	10000	38.1997	95.4345	-485	PD	3.7	1	11.3	2	1.2	1	0.333	0	3.106	0	9.718	0	2306	28	2.1
3386.8	10000	38.1997	95.4337	-484	PD	3.8	1	11.3	2	1.2	1	0.333	0	3.152	0	9.471	0	2300	53	2.1
3386.7	10000	38.1996	95.4329	-484	PD	3.5	1	11.4	2	1.2	1	0.320	0	2.798	0	9.144	0	2295	47	2.1
3386.6	10000	38.1996	95.4321	-485	PD	3.4	1	11.1	2	1.2	1	0.306	0	2.758	0	9.044	0	2284	45	2.1
3386.5	10000	38.1996	95.4313	-485	PD	3.5	1	11.5	2	1.2	1	0.305	0	2.875	0	9.387	0	2268	47	2.1
3386.4	10000	38.1996	95.4305	-487	PD	3.8	1	10.5	2	1.2	1	0.358	0	3.028	0	9.463	0	2250	50	2.1
3386.3	10000	38.1996	95.4297	-488	PD	3.7	1	10.1	1	1.2	1	0.364	0	3.001	0	8.249	0	2227	48	2.1
3386.2	10000	38.1996	95.4288	-490	PD	3.5	1	9.6	1	1.2	1	0.366	0	2.919	0	7.977	0	2219	50	2.1
3386.1	10000	38.1996	95.4280	-492	PD	3.6	1	9.4	1	1.2	1	0.383	0	2.913	0	7.597	0	2224	44	2.1
3386.0	10000	38.1996	95.4272	-495	PD	3.9	1	9.4	2	1.2	1	0.413	0	3.028	0	7.957	0	2220	44	2.1
3385.9	10000	38.1996	95.4264	-498	PD	3.9	1	9.7	2	1.2	1	0.398	0	2.881	0	7.056	0	2215	40	2.1
3385.8	10000	38.1996	95.4256	-500	PD	3.7	1	9.5	2	1.2	1	0.388	0	2.801	0	7.780	0	2228	32	2.1
3385.7	10000	38.1996	95.4248	-503	PD	3.6	1	10.3	2	1.2	1	0.345	0	2.825	0	8.183	0	2243	39	2.1
3385.6	10000	38.1996	95.4240	-506	PD	3.8	1	10.3	2	1.2	1	0.333	0	2.891	0	8.422	0	2252	43	2.1
3385.5	10000	38.1996	95.4232	-509	PD	3.8	1	11.6	2	1.2	1	0.330	0	2.891	0	8.037	0	2277	50	2.1
3385.4	10000	38.1996	95.4223	-512	PD	3.8	1	11.4	2	1.2	1	0.335	0	2.891	0	7.257	0	2292	44	2.1
3385.3	10000	38.1996	95.4215	-515	PD	3.8	1	11.2	2	1.2	1	0.335	0	2.891	0	7.270	0	2296	42	2.1
3385.2	10000	38.1995	95.4207	-518	PD	3.8	1	11.4	2	1.2	1	0.335	0	2.891	0	7.515	0	2295	47	2.1
3385.1	10000	38.1995	95.4199	-521	PD	3.8	1	11.0	2	1.2	1	0.346	0	2.891	0	7.595	0	2291	47	2.1
3385.0	10000	38.1995	95.4191	-524	PD	3.8	1	11.2	2	1.2	1	0.335	0	2.891	0	7.366	0	2305	43	2.1
3384.9	10000	38.1995	95.4183	-527	PD	3.8	1	11.2	2	1.2	1	0.335	0	2.891	0	7.649	0	2311	40	2.1
3384.8	10000	38.1995	95.4175	-530	PD	3.8	1	11.2	2	1.2	1	0.335	0	2.891	0	7.459	0	2293	44	2.1
3384.7	10000	38.1995	95.4167	-534	PD	3.8	1	11.2	2	1.2	1	0.341	0	2.891	0	7.175	0	2278	43	2.2

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3384.6	10000	38.1995	95.4158	-536	PD	3.5	1	11.3	1	1.3	1	0.310	0	2.771	0	8.942	0	2279	46	2.2
3384.5	10000	38.1995	95.4150	-539	PD	3.5	1	11.5	2	1.3	1	0.301	-1	2.688	0	8.942	0	2292	37	2.2
3384.4	10000	38.1995	95.4142	-542	PD	3.5	1	11.1	1	1.2	1	0.314	0	2.818	0	8.979	0	2294	49	2.2
3384.3	10000	38.1995	95.4134	-545	PD	3.3	0	11.1	1	1.2	1	0.300	-1	2.795	0	9.301	0	2286	57	2.2
3384.2	10000	38.1995	95.4126	-547	PD	3.5	1	10.7	1	1.2	1	0.322	0	2.782	0	8.641	0	2298	47	2.2
3384.1	10000	38.1995	95.4118	-549	PD	3.3	0	11.0	1	1.2	1	0.297	-1	2.648	-1	8.924	0	2298	37	2.2
3384.0	10000	38.1995	95.4110	-552	PD	3.4	1	10.7	1	1.2	1	0.321	0	2.820	0	8.785	0	2306	41	2.2
3383.9	10000	38.1994	95.4102	-554	PD	3.8	1	10.7	1	1.2	1	0.353	0	3.230	0	9.149	0	2311	42	2.2
3383.8	10000	38.1994	95.4093	-557	PD	3.7	1	11.1	1	1.2	1	0.330	0	3.105	0	9.422	0	2317	47	2.2
3383.7	10000	38.1994	95.4085	-559	PD	3.6	1	11.5	2	1.2	1	0.310	0	2.960	0	9.559	0	2323	56	2.2
3383.6	10000	38.1994	95.4077	-561	PD	3.5	1	11.3	1	1.2	1	0.310	0	2.844	0	9.170	0	2312	56	2.2
3383.5	10000	38.1994	95.4069	-564	PD	3.5	1	11.3	1	1.2	1	0.312	0	3.003	0	9.619	0	2313	43	2.2
3383.4	10000	38.1994	95.4061	-566	PD	3.7	1	10.9	1	1.2	1	0.336	0	3.082	0	9.187	0	2309	46	2.2
3383.3	10000	38.1994	95.4053	-568	PD	3.6	1	11.3	1	1.1	1	0.317	0	3.169	0	10.003	1	2305	47	2.2
3383.2	10000	38.1994	95.4045	-570	PD	3.4	1	11.5	2	1.1	1	0.299	-1	3.022	0	10.109	1	2312	51	2.2
3383.1	10000	38.1994	95.4037	-572	PD	3.5	1	10.8	1	1.1	1	0.328	0	3.146	0	9.585	0	2300	47	2.2
3383.0	10000	38.1994	95.4029	-574	PD	3.6	1	10.5	1	1.1	0	0.340	0	3.273	1	9.625	0	2279	53	2.2
3382.9	10000	38.1994	95.4020	-576	PD	3.6	1	11.3	1	1.1	0	0.315	0	3.424	1	10.862	1	2297	42	2.2
3382.8	10000	38.1994	95.4012	-579	PD	3.5	1	12.0	2	1.1	1	0.294	-1	3.349	1	11.395	2	2283	48	2.2
3382.7	10000	38.1994	95.4004	-581	PD	3.4	1	12.1	2	1.1	1	0.285	-1	3.259	1	11.449	2	2284	43	2.2
3382.6	10000	38.1993	95.3996	-584	PD	3.3	1	12.3	2	1.1	1	0.267	-1	3.067	1	11.473	2	2270	46	2.2
3382.5	10000	38.1993	95.3988	-586	PD	3.2	1	11.7	2	1.1	1	0.273	-1	2.942	0	10.789	1	2239	36	2.2
3382.4	10000	38.1993	95.3980	-589	PD	3.2	1	11.8	2	1.1	1	0.276	-1	2.953	0	10.718	1	2234	52	2.2
3382.3	10000	38.1993	95.3972	-592	PD	3.1	1	12.0	2	1.1	1	0.258	-1	2.830	0	10.988	1	2228	40	2.2
3382.2	10000	38.1993	95.3964	-595	PD	3.2	1	11.7	2	1.1	1	0.271	-1	2.851	0	10.524	1	2212	42	2.2
3382.1	10000	38.1993	95.3956	-598	PD	3.1	1	11.4	2	1.1	1	0.272	-1	2.899	0	10.665	1	2202	43	2.2
3382.0	10000	38.1993	95.3947	-602	PD	3.6	1	11.4	1	1.1	0	0.317	0	3.488	1	11.014	1	2204	38	2.1
3381.9	10000	38.1993	95.3939	-606	PD	3.6	1	11.0	1	1.0	0	0.330	0	3.620	1	10.969	1	2189	54	2.1
3381.8	10000	38.1993	95.3931	-609	PD	3.6	1	11.6	2	0.9	-1	0.306	0	3.759	1	12.273	2	2177	46	2.1
3381.7	10000	38.1993	95.3923	-612	PD	3.5	1	11.7	2	0.9	-1	0.287	-1	3.768	1	13.117	3	2167	39	2.1
3381.6	10000	38.1993	95.3915	-616	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.656	1	12.644	2	2142	44	2.1
3381.5	10000	38.1993	95.3907	-619	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.819	1	13.015	3	2121	60	2.1
3381.4	10000	38.1992	95.3899	-622	PD	3.5	1	11.6	2	0.9	-1	0.302	-1	3.612	1	12.329	2	2124	37	2.1
3381.3	10000	38.1992	95.3891	-625	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.192	1	12.140	2	2120	37	2.1
3381.2	10000	38.1992	95.3882	-629	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.090	1	12.864	2	2141	29	2.1
3381.1	10000	38.1992	95.3874	-631	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.445	1	12.527	2	2167	48	2.1
3381.0	10000	38.1992	95.3866	-633	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.663	1	12.985	2	2184	47	2.1
3380.9	10000	38.1992	95.3858	-635	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.880	1	13.815	3	2227	40	2.1
3380.8	10000	38.1992	95.3850	-638	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.847	1	13.568	3	2240	50	2.1
3380.7	10000	38.1992	95.3842	-641	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.942	1	13.898	3	2248	47	2.1
3380.6	10000	38.1992	95.3834	-644	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.640	1	12.802	2	2253	30	2.1
3380.5	10000	38.1992	95.3826	-646	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.126	1	13.625	3	2266	42	2.1
3380.4	10000	38.1992	95.3817	-648	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.126	1	14.111	3	2272	48	2.1
3380.3	10000	38.1992	95.3809	-650	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.126	1	14.373	3	2275	46	2.1
3380.2	10000	38.1991	95.3801	-652	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.156	1	13.562	3	2284	44	2.1
3380.1	10000	38.1991	95.3793	-653	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.941	1	14.867	3	2294	51	2.1
3380.0	10000	38.1991	95.3785	-655	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.870	1	14.169	3	2280	46	2.1
3379.9	10000	38.1991	95.3777	-656	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.527	1	13.136	3	2266	53	2.1
3379.8	10000	38.1991	95.3769	-658	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.105	1	13.554	3	2249	51	2.1
3379.7	10000	38.1991	95.3761	-660	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.884	1	14.547	3	2234	50	2.1
3379.6	10000	38.1991	95.3752	-661	PD	3.5	1	11.6	2	0.9	-1	0.293	-1	3.273	1	13.335	3	2212	53	2.1
3379.5	10000	38.1991	95.3744	-662	PD	3.2	1	11.6	2	0.9	-1	0.293	-1	2.988	1	12.862	2	2202	53	2.1

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3379.4	10000	38.1991	95.3736	-663	PD	3.2	0	11.8	2	1.1	0	0.268	-1	2.792	0	10.432	1	2201	46	1.9
3379.3	10000	38.1991	95.3728	-664	PD	3.3	0	11.7	2	1.2	0	0.280	-1	2.803	0	10.026	1	2208	41	1.9
3379.2	10000	38.1991	95.3720	-665	PD	3.4	1	11.8	2	1.2	1	0.290	-1	2.841	0	9.805	1	2227	45	1.9
3379.1	10000	38.1991	95.3712	-665	PD	3.7	1	11.2	1	1.2	1	0.332	0	3.118	0	9.402	0	2218	55	1.9
3379.0	10000	38.1991	95.3704	-666	PD	3.8	1	11.4	2	1.1	1	0.333	0	3.353	1	10.080	1	2206	48	1.9
3378.9	10000	38.1991	95.3696	-666	PD	3.7	1	11.7	2	1.1	0	0.313	0	3.317	1	10.611	1	2214	55	1.9
3378.8	10000	38.1991	95.3687	-666	PD	3.8	1	11.4	1	1.1	0	0.333	0	3.527	1	10.582	1	2202	61	1.9
3378.7	10000	38.1990	95.3679	-667	PD	4.0	2	10.8	1	1.1	0	0.374	1	3.885	2	10.399	1	2211	51	1.9
3378.6	10000	38.1990	95.3671	-666	PD	4.1	2	11.4	1	1.0	0	0.361	1	3.969	2	11.001	1	2219	50	1.9
3378.5	10000	38.1990	95.3663	-667	PD	4.1	2	11.5	2	1.0	0	0.360	1	4.110	2	11.414	2	2245	48	1.9
3378.4	10000	38.1990	95.3655	-667	PD	4.5	2	11.7	2	0.9	-1	0.390	1	4.891	3	12.555	3	2261	33	1.9
3378.3	10000	38.1990	95.3647	-667	PD	4.4	3	11.3	1	0.9	-1	0.394	1	4.823	3	12.233	2	2281	41	1.9
3378.2	10000	38.1990	95.3639	-666	PD	4.6	3	10.9	1	0.9	-1	0.420	2	4.977	3	11.842	2	2285	42	1.9
3378.1	10000	38.1990	95.3631	-665	PD	4.5	3	10.9	1	0.9	-1	0.414	1	4.786	3	11.554	2	2312	49	1.8
3378.0	10000	38.1990	95.3622	-665	PD	4.3	3	11.2	1	1.0	-1	0.382	1	4.355	2	11.388	2	2305	47	1.8
3377.9	10000	38.1990	95.3614	-664	PD	4.3	3	11.1	1	1.0	-1	0.382	1	4.425	2	11.576	2	2302	45	1.8
3377.8	10000	38.1990	95.3606	-664	PD	4.5	3	11.1	1	1.0	-1	0.405	1	4.564	3	11.272	2	2295	45	1.8
3377.7	10000	38.1990	95.3598	-663	PD	4.0	2	11.3	1	1.1	0	0.357	1	3.776	1	10.575	1	2289	51	1.8
3377.6	10000	38.1990	95.3590	-663	PD	4.0	2	11.6	2	1.1	0	0.347	0	3.580	1	10.331	1	2293	44	1.8
3377.5	10000	38.1990	95.3582	-662	PD	3.9	2	11.7	2	1.1	0	0.329	0	3.388	1	10.300	1	2286	48	1.8
3377.4	10000	38.1989	95.3574	-661	PD	4.0	2	11.7	2	1.1	0	0.340	0	3.411	1	10.035	1	2277	45	1.8
3377.3	10000	38.1989	95.3566	-661	PD	4.1	2	11.4	2	1.1	0	0.354	0	3.571	1	10.078	1	2276	50	1.8
3377.2	10000	38.1989	95.3557	-662	PLP	4.2	2	11.3	2	1.1	1	0.373	1	3.857	2	10.336	1	2234	69	1.8
3377.1	10000	38.1989	95.3549	-661	PLP	4.0	2	10.6	2	1.1	1	0.374	1	3.942	2	10.550	2	2157	37	1.8
3377.0	10000	38.1989	95.3541	-662	PLP	4.1	2	9.8	2	1.0	-1	0.419	1	4.552	3	10.860	2	2086	43	1.8
3376.9	10000	38.1989	95.3533	-662	PLP	4.1	2	9.2	2	0.9	-1	0.443	1	4.821	3	10.872	2	2007	48	1.8
3376.8	10000	38.1989	95.3525	-663	PLP	4.1	2	8.8	2	0.9	-1	0.507	1	5.280	3	10.417	2	1968	58	1.8
3376.7	10000	38.1989	95.3517	-662	PLP	4.4	2	8.6	2	0.8	-1	0.549	1	5.913	4	10.774	2	1927	26	1.8
3376.6	10000	38.1989	95.3509	-662	PLP	4.5	2	8.6	2	0.8	-1	0.573	1	6.460	4	11.281	2	1881	40	1.8
3376.5	10000	38.1989	95.3501	-662	PLP	4.6	2	8.6	2	0.8	-1	0.550	1	6.822	4	11.589	2	1866	47	1.8
3376.4	10000	38.1989	95.3493	-663	PLP	4.1	2	8.6	2	0.8	-1	0.536	1	6.355	4	10.984	2	1890	42	1.8
3376.3	10000	38.1989	95.3486	-662	PLP	4.1	2	8.6	2	0.8	-1	0.501	1	5.953	4	9.885	2	1945	53	1.8
3376.2	10000	38.1989	95.3478	-662	PLP	4.5	2	8.6	2	0.8	-1	0.522	1	6.337	4	10.224	2	2013	42	1.8
3376.1	10000	38.1989	95.3471	-662	PLP	4.5	2	8.6	2	0.8	-1	0.512	1	6.445	4	10.627	2	2039	55	1.8
3376.0	10000	38.1990	95.3463	-662	PLP	4.1	2	8.6	2	0.8	-1	0.469	1	6.226	4	10.137	2	2048	58	1.8
3375.9	10000	38.1990	95.3455	-662	PLP	4.0	2	8.6	2	0.8	-1	0.446	1	5.935	4	10.066	2	2054	51	1.8
3375.8	10000	38.1990	95.3448	-662	PLP	4.0	2	8.6	2	0.8	-1	0.447	1	5.760	4	10.652	2	2040	54	1.8
3375.7	10000	38.1990	95.3440	-662	PLP	4.0	2	8.6	2	0.8	-1	0.466	1	5.946	4	10.616	2	2012	44	1.8
3375.6	10000	38.1990	95.3432	-662	PLP	4.0	2	8.6	2	0.8	-1	0.498	1	5.931	4	9.907	2	1975	41	1.8
3375.5	10000	38.1990	95.3425	-662	PLP	4.0	2	8.6	2	0.8	-1	0.460	1	5.471	4	9.725	2	1908	54	1.8
3375.4	10000	38.1990	95.3417	-662	PLP	4.0	2	8.6	2	0.8	-1	0.405	1	4.862	3	9.533	2	1885	60	1.8
3375.3	10000	38.1991	95.3409	-662	PLP	4.0	2	8.6	2	0.8	-1	0.389	1	4.587	3	9.209	2	1904	35	1.8
3375.2	10000	38.1991	95.3402	-663	PLP	4.0	2	8.6	2	0.8	-1	0.402	1	4.716	3	9.241	2	1963	45	1.8
3375.1	10000	38.1991	95.3394	-662	PLP	4.0	2	8.6	2	0.8	-1	0.404	1	4.863	3	9.494	2	2025	50	1.8
3375.0	10000	38.1991	95.3387	-662	PLP	4.0	2	8.6	2	0.8	-1	0.357	1	4.333	3	9.497	2	2085	58	1.8
3374.9	10000	38.1991	95.3379	-663	PLP	4.0	2	8.6	2	0.8	-1	0.352	1	4.332	3	9.922	2	2146	55	1.8
3374.8	10000	38.1992	95.3371	-663	PLP	4.0	2	8.6	2	0.8	-1	0.372	1	4.500	3	9.964	2	2220	32	1.8
3374.7	10000	38.1992	95.3364	-663	PLP	4.0	2	8.6	2	0.8	-1	0.392	1	4.802	3	9.524	2	2272	45	1.8
3374.6	10000	38.1992	95.3356	-662	PLP	4.0	2	8.6	2	0.8	-1	0.410	1	4.977	3	9.524	2	2286	53	1.8
3374.5	10000	38.1992	95.3348	-662	PLP	4.0	2	8.6	2	0.8	-1	0.441	1	5.128	4	9.524	2	2272	48	1.8
3374.4	10000	38.1992	95.3341	-662	PLP	4.0	2	8.6	2	0.8	-1	0.441	1	5.128	4	9.524	2	2266	48	1.8
3374.3	10000	38.1992	95.3333	-661	PD	4.3	2	8.6	2	0.8	-1	0.441	1	5.128	4	9.524	2	2266	48	1.8

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3374.2	10000	38.1992	95.3326	-661	PD	4.5	3	10.6	1	1.0	0	0.423	2	4.376	2	10.355	1	2262	52	1.8
3374.1	10000	38.1992	95.3318	-659	PD	4.7	3	10.5	1	1.0	-1	0.443	2	4.700	3	10.619	1	2258	60	1.8
3374.0	10000	38.1992	95.3310	-658	PD	4.8	3	10.4	1	1.0	-1	0.460	2	4.993	3	10.845	1	2248	40	1.8
3373.9	10000	38.1993	95.3302	-655	PD	4.6	3	10.4	1	1.0	-1	0.444	2	4.681	3	10.542	1	2250	44	1.8
3373.8	10000	38.1993	95.3295	-654	PD	4.6	3	10.6	1	1.0	0	0.434	2	4.439	2	10.217	1	2262	42	1.8
3373.7	10000	38.1993	95.3287	-655	PD	4.8	1	10.9	1	1.1	0	0.347	2	3.490	1	10.065	1	2263	43	1.8
3373.6	10000	38.1993	95.3280	-654	PD	4.7	1	11.2	1	1.2	0	0.331	1	3.183	0	9.609	1	2294	49	1.8
3373.5	10000	38.1993	95.3272	-653	PD	4.6	1	11.3	1	1.2	1	0.319	0	2.913	0	9.131	1	2308	23	1.9
3373.4	10000	38.1993	95.3264	-652	PD	4.7	1	11.6	1	1.3	1	0.319	0	2.905	0	9.107	1	2317	46	1.9
3373.3	10000	38.1993	95.3257	-650	PD	4.4	2	11.8	1	1.3	1	0.290	-1	2.586	-1	8.927	1	2314	41	1.9
3373.2	10000	38.1994	95.3249	-646	PD	4.3	2	11.7	1	1.3	1	0.281	-1	2.469	-1	8.788	1	2304	59	1.9
3373.1	10000	38.1994	95.3241	-647	PD	4.2	2	11.7	1	1.3	1	0.274	-1	2.471	-1	9.011	0	2286	61	1.9
3373.0	10000	38.1994	95.3234	-649	PD	4.4	2	11.4	1	1.3	1	0.298	-1	2.639	-1	8.854	0	2282	51	1.9
3372.9	10000	38.1994	95.3226	-650	PD	4.5	1	10.6	1	1.2	1	0.330	0	2.937	0	8.894	0	2255	40	1.9
3372.8	10000	38.1994	95.3219	-650	PL P	4.7	1	10.6	1	1.2	1	0.347	0	3.099	0	8.928	0	2243	51	1.9
3372.7	10000	38.1994	95.3211	-650	PL P	4.5	1	10.8	1	1.2	1	0.326	0	3.041	0	9.339	1	2242	46	1.9
3372.6	10000	38.1994	95.3203	-646	PL P	4.5	1	10.6	1	1.1	0	0.326	0	3.045	0	9.343	1	2224	42	2.0
3372.5	10000	38.1995	95.3196	-645	PL P	4.3	1	10.2	1	1.1	0	0.326	0	3.001	0	9.197	1	2197	51	2.0
3372.4	10000	38.1995	95.3188	-646	PL P	4.4	1	10.1	1	1.1	0	0.335	0	3.040	0	9.069	0	2178	49	2.0
3372.3	10000	38.1995	95.3180	-647	PL P	4.4	1	9.7	0	1.1	0	0.345	0	3.110	0	9.015	0	2138	53	2.0
3372.2	10000	38.1995	95.3173	-647	PL P	4.5	1	10.0	0	1.1	-1	0.348	0	3.308	1	9.501	1	2112	50	2.0
3372.1	10000	38.1995	95.3165	-646	PL P	4.2	1	9.7	0	1.0	-1	0.329	0	3.146	0	9.569	1	2086	48	2.0
3372.0	10000	38.1995	95.3157	-644	PL P	4.1	0	9.3	0	1.0	-1	0.339	0	3.189	0	9.405	1	2056	52	2.0
3371.9	10000	38.1995	95.3150	-642	PL P	4.3	1	9.7	0	0.9	-2	0.342	0	3.727	1	10.902	2	2061	51	2.0
3371.8	10000	38.1996	95.3142	-639	PL P	4.7	2	9.9	0	0.9	-2	0.378	1	4.172	2	11.042	2	2085	40	2.0
3371.7	10000	38.1996	95.3134	-636	PL P	4.0	2	9.8	0	0.9	-1	0.407	1	4.428	2	10.877	2	2115	44	2.1
3371.6	10000	38.1996	95.3127	-636	PL P	4.2	2	10.1	0	0.9	-2	0.421	2	4.856	3	11.526	2	2142	46	2.1
3371.5	10000	38.1996	95.3119	-636	PL P	4.4	2	10.1	1	1.0	-1	0.440	2	5.189	3	11.799	2	2163	39	2.1
3371.4	10000	38.1996	95.3112	-636	PL P	4.6	2	10.1	1	1.0	-1	0.445	2	5.703	3	12.820	2	2168	45	2.1
3371.3	10000	38.1996	95.3104	-635	PL P	4.6	2	10.1	1	1.0	-1	0.456	2	5.506	3	12.073	2	2169	48	2.1
3371.2	10000	38.1996	95.3096	-633	PL P	4.6	2	10.1	1	1.0	-1	0.478	2	5.176	3	10.828	2	2171	42	2.1
3371.1	10000	38.1997	95.3089	-631	PL P	4.3	2	10.1	1	1.0	-1	0.444	2	5.808	3	10.818	2	2182	46	2.1
3371.0	10000	38.1997	95.3081	-629	PL P	4.0	2	10.1	1	1.0	-1	0.396	2	5.363	3	10.007	2	2184	45	2.1
3370.9	10000	38.1997	95.3073	-626	PL P	3.8	2	10.1	1	1.0	-1	0.397	2	5.791	3	9.557	2	2196	38	2.1
3370.8	10000	38.1997	95.3066	-624	PL P	3.5	2	10.1	1	1.0	-1	0.365	2	5.293	3	9.019	2	2207	45	2.1
3370.7	10000	38.1997	95.3058	-621	PL P	3.5	2	10.1	1	1.0	-1	0.350	2	5.051	3	9.717	2	2218	46	2.1
3370.6	10000	38.1997	95.3050	-619	PL P	3.5	2	10.1	1	1.0	-1	0.373	2	5.452	3	9.260	2	2241	54	2.1
3370.5	10000	38.1998	95.3043	-617	PL P	3.5	2	10.1	1	1.0	-1	0.370	2	5.434	3	9.268	2	2240	45	2.1
3370.4	10000	38.1998	95.3035	-615	PL P	3.5	2	10.1	1	1.0	-1	0.352	2	5.494	3	9.934	2	2212	52	2.1
3370.3	10000	38.1998	95.3027	-613	PL P	3.5	2	10.1	1	1.0	-1	0.378	2	5.724	3	9.859	2	2196	43	2.1
3370.2	10000	38.1998	95.3020	-611	PL P	3.5	2	10.1	1	1.0	-1	0.374	2	5.153	3	9.098	2	2203	45	2.1
3370.1	10000	38.1998	95.3012	-609	PL P	3.5	2	10.1	1	1.0	-1	0.372	2	5.266	3	9.480	2	2217	55	2.1
3370.0	10000	38.1998	95.3005	-607	PL P	3.5	2	10.1	1	1.0	-1	0.399	2	5.443	3	9.139	2	2247	55	2.1
3369.9	10000	38.1998	95.2997	-607	PL P	3.5	2	10.1	1	1.0	-1	0.383	2	5.186	3	9.918	2	2262	55	2.1
3369.8	10000	38.1999	95.2989	-606	PL P	3.5	2	10.1	1	1.0	-1	0.367	2	5.858	3	9.519	2	2285	55	2.1
3369.7	10000	38.1999	95.2982	-605	PL P	3.5	2	10.1	1	1.0	-1	0.410	2	5.885	3	10.000	2	2316	55	2.1
3369.6	10000	38.1999	95.2974	-603	PL P	3.5	2	10.1	1	1.0	-1	0.400	2	5.446	3	9.647	2	2352	55	2.1
3369.5	10000	38.1999	95.2966	-601	PD	3.5	2	10.1	1	1.0	-1	0.399	2	5.425	3	9.563	2	2376	55	2.1
3369.4	10000	38.1999	95.2959	-599	PD	3.5	2	10.1	1	1.0	-1	0.388	2	5.294	3	9.493	2	2364	55	2.1
3369.3	10000	38.1999	95.2951	-596	PD	3.5	2	10.1	1	1.0	-1	0.374	2	5.230	3	9.325	2	2360	55	2.1
3369.2	10000	38.1999	95.2944	-593	PD	3.5	2	10.1	1	1.0	-1	0.356	2	5.230	3	9.325	2	2360	55	2.1
3369.1	10000	38.1999	95.2936	-590	PD	3.5	2	10.1	1	1.0	-1	0.356	2	5.230	3	9.325	2	2360	55	2.1

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3369.0	10000	38.2000	95.2928	-587	PD	3.7	1	11.0	1	1.2	1	0.334	0	3.016	0	9.043	0	2359	46	2.4
3368.9	10000	38.2000	95.2921	-585	PD	3.7	1	11.1	1	1.2	1	0.332	0	3.024	0	9.116	0	2353	39	2.4
3368.8	10000	38.2000	95.2913	-583	PD	3.9	1	11.4	2	1.2	1	0.340	0	3.311	1	9.743	1	2341	51	2.4
3368.7	10000	38.2000	95.2905	-581	PLP	3.8	1	11.0	1	1.2	1	0.346	0	3.183	1	9.194	1	2304	46	2.4
3368.6	10000	38.2000	95.2898	-578	PLP	3.7	1	10.7	1	1.2	1	0.342	0	3.075	1	8.984	1	2269	41	2.4
3368.5	10000	38.2000	95.2890	-576	PLP	3.5	1	10.3	1	1.2	1	0.335	0	3.002	0	8.956	0	2249	47	2.4
3368.4	10000	38.2001	95.2882	-574	PLP	3.7	1	10.4	1	1.1	1	0.354	0	3.235	1	9.133	0	2233	47	2.4
3368.3	10000	38.2001	95.2875	-572	PLP	3.6	1	10.6	1	1.1	1	0.337	0	3.190	1	9.472	1	2221	53	2.4
3368.2	10000	38.2001	95.2867	-569	PLP	3.5	1	10.2	1	1.1	1	0.343	0	3.172	1	9.239	1	2210	50	2.4
3368.1	10000	38.2001	95.2859	-566	PLP	3.3	0	10.2	1	1.0	-1	0.325	0	3.146	0	9.690	1	2212	55	2.4
3368.0	10000	38.2001	95.2852	-564	PLP	3.4	0	10.4	1	1.0	-1	0.328	0	3.289	1	10.040	1	2230	40	2.4
3367.9	10000	38.2001	95.2844	-561	PLP	3.5	1	10.1	0	1.0	-1	0.345	0	3.357	1	9.743	1	2243	37	2.4
3367.8	10000	38.2001	95.2837	-559	PD	3.5	1	10.2	1	1.1	0	0.338	0	3.264	1	9.668	1	2247	53	2.4
3367.7	10000	38.2001	95.2829	-555	PD	3.4	1	10.1	0	1.1	0	0.335	0	3.082	1	9.204	0	2268	45	2.4
3367.6	10000	38.2002	95.2821	-553	PD	3.3	0	9.7	0	1.1	0	0.335	0	2.934	0	8.770	0	2270	48	2.4
3367.5	10000	38.2002	95.2814	-550	PD	3.4	0	9.9	0	1.2	0	0.344	0	2.933	0	8.515	0	2273	55	2.4
3367.4	10000	38.2002	95.2806	-546	PD	3.4	0	9.6	0	1.2	1	0.348	0	2.772	0	7.958	-1	2269	55	2.4
3367.3	10000	38.2002	95.2798	-542	PD	3.4	0	9.7	0	1.2	1	0.350	0	2.859	0	8.159	-1	2264	50	2.4
3367.2	10000	38.2002	95.2791	-538	PD	3.3	1	10.2	1	1.2	1	0.328	0	2.813	0	8.574	0	2259	43	2.4
3367.1	10000	38.2002	95.2783	-537	PD	3.4	1	10.5	1	1.2	1	0.328	0	2.927	0	8.925	0	2269	56	2.4
3367.0	10000	38.2002	95.2775	-535	PD	3.6	1	10.5	1	1.2	1	0.342	0	3.043	0	8.890	0	2257	47	2.4
3366.9	10000	38.2002	95.2768	-532	PD	3.8	1	10.9	1	1.2	1	0.354	0	3.229	0	9.119	0	2268	47	2.4
3366.8	10000	38.2003	95.2760	-529	PD	3.8	1	11.3	1	1.2	1	0.336	0	3.295	1	9.804	1	2263	52	2.4
3366.7	10000	38.2003	95.2753	-526	PD	3.6	1	11.6	2	1.1	1	0.312	0	3.290	1	10.545	1	2264	53	2.4
3366.6	10000	38.2003	95.2745	-523	PD	3.6	1	11.8	2	1.1	1	0.305	-1	3.241	1	10.712	1	2262	44	2.4
3366.5	10000	38.2003	95.2737	-520	PD	3.6	1	11.7	2	1.1	1	0.312	-1	3.347	1	10.726	1	2258	46	2.4
3366.4	10000	38.2003	95.2730	-516	PD	3.5	1	11.9	2	1.2	1	0.301	-1	3.093	1	10.266	1	2270	51	2.4
3366.3	10000	38.2003	95.2722	-510	PD	3.1	1	11.6	2	1.2	1	0.288	-1	2.876	1	9.986	1	2286	52	2.4
3366.2	10000	38.2004	95.2714	-505	PD	3.2	1	11.6	2	1.2	1	0.263	-1	2.597	-1	9.889	1	2284	38	2.4
3366.1	10000	38.2004	95.2707	-501	PLP	3.4	1	11.3	2	1.2	1	0.282	-1	2.723	0	9.672	1	2298	53	2.4
3366.0	10000	38.2004	95.2699	-497	PLP	3.5	1	11.2	2	1.2	1	0.305	-1	2.940	1	9.644	1	2298	54	2.4
3365.9	10000	38.2004	95.2691	-492	PLP	3.5	1	11.1	2	1.2	1	0.325	-1	3.079	1	9.472	1	2297	40	2.4
3365.8	10000	38.2004	95.2684	-488	PLP	3.6	1	11.0	2	1.2	1	0.341	-1	3.258	1	9.552	1	2284	45	2.4
3365.7	10000	38.2004	95.2676	-484	PLP	3.7	1	11.0	2	1.2	1	0.359	-1	3.433	1	9.554	1	2256	46	2.4
3365.6	10000	38.2004	95.2668	-480	PLP	3.8	1	11.1	2	1.2	1	0.371	-1	3.782	1	9.188	1	2212	35	2.4
3365.5	10000	38.2004	95.2661	-475	PLP	4.1	1	11.3	2	1.2	1	0.418	-1	4.184	1	9.998	1	2187	50	2.4
3365.4	10000	38.2005	95.2653	-472	PLP	4.1	1	11.3	2	1.2	1	0.435	-1	4.311	1	9.918	1	2150	48	2.4
3365.3	10000	38.2005	95.2646	-467	PLP	4.1	1	11.3	2	1.2	1	0.432	-1	4.056	1	9.380	1	2122	49	2.4
3365.2	10000	38.2005	95.2638	-463	PLP	4.1	1	11.3	2	1.2	1	0.396	-1	3.631	1	9.173	1	2115	61	2.4
3365.1	10000	38.2005	95.2630	-459	PLP	3.9	1	11.2	2	1.2	1	0.367	-1	3.121	1	9.538	1	2148	47	2.4
3365.0	10000	38.2005	95.2623	-454	PLP	3.7	1	11.1	2	1.2	1	0.379	-1	3.157	1	9.328	1	2168	44	2.4
3364.9	10000	38.2005	95.2615	-450	PLP	3.6	1	11.0	2	1.2	1	0.362	-1	2.969	1	8.826	1	2217	33	2.4
3364.8	10000	38.2005	95.2607	-446	PLP	3.5	1	10.8	2	1.2	1	0.325	-1	2.734	1	8.548	1	2246	55	2.4
3364.7	10000	38.2006	95.2600	-441	PLP	3.4	1	10.7	2	1.2	1	0.317	-1	2.548	1	8.841	1	2273	49	2.4
3364.6	10000	38.2006	95.2592	-437	PLP	3.4	1	10.6	2	1.2	1	0.320	-1	2.573	1	8.654	1	2301	54	2.4
3364.5	10000	38.2006	95.2585	-433	PLP	3.4	1	10.5	2	1.2	1	0.324	-1	2.620	1	8.328	1	2295	50	2.4
3364.4	10000	38.2006	95.2577	-429	PLP	3.4	1	10.4	2	1.2	1	0.327	-1	2.612	1	8.287	1	2211	66	2.4
3364.3	10000	38.2006	95.2569	-425	PLP	3.4	1	10.4	2	1.2	1	0.327	-1	2.620	1	8.261	1	2135	69	2.4
3364.2	10000	38.2006	95.2561	-421	PLP	3.4	1	10.3	2	1.2	1	0.330	-1	2.612	1	8.204	1	2058	95	2.4
3364.1	10000	38.2006	95.2554	-416	PLP	3.4	1	10.3	2	1.2	1	0.330	-1	2.620	1	8.256	1	2012	55	2.4
3364.0	10000	38.2007	95.2546	-412	PLP	3.4	1	10.3	2	1.2	1	0.330	-1	2.620	1	8.339	1	1976	55	2.4
3363.9	10000	38.2007	95.2539	-408	PLP	3.4	1	10.3	2	1.2	1	0.330	-1	2.620	1	8.408	1	1952	55	2.4

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3363.8	10000	38.2007	95.2531	-404	PLP	3.3	0	8.5	-1	0.9	-1	0.392	1	3.575	1	9.113	0	1952	44	2.2
3363.7	10000	38.2007	95.2523	-400	PLP	3.5	0	8.7	-1	0.9	-1	0.398	1	3.731	1	9.375	1	1990	51	2.2
3363.6	10000	38.2007	95.2516	-396	PLP	3.4	0	8.8	-1	1.0	-1	0.380	1	3.352	1	8.820	0	2028	47	2.2
3363.5	10000	38.2007	95.2508	-392	PLP	3.2	0	8.6	-1	1.1	0	0.377	1	3.039	0	8.068	0	2045	54	2.2
3363.4	10000	38.2007	95.2500	-387	PLP	3.2	0	8.2	-1	1.1	0	0.388	1	2.919	0	7.527	-1	2078	48	2.2
3363.3	10000	38.2008	95.2493	-383	PKC	3.4	0	8.1	-1	1.1	0	0.419	1	3.153	0	7.521	-1	2127	47	2.2
3363.2	10000	38.2008	95.2485	-379	PKC	3.4	0	9.0	1	1.1	0	0.373	1	2.955	0	7.915	0	2181	52	2.2
3363.1	10000	38.2008	95.2478	-375	PKC	3.5	0	8.9	1	1.2	0	0.395	1	3.002	0	7.595	-1	2199	60	2.2
3363.0	10000	38.2008	95.2470	-371	PKC	3.7	0	8.9	1	1.2	0	0.415	1	3.137	0	7.553	-1	2215	41	2.2
3362.9	10000	38.2008	95.2462	-366	PKC	3.7	0	9.1	1	1.2	0	0.403	1	3.097	0	7.683	-1	2218	43	2.2
3362.8	10000	38.2008	95.2455	-362	PKC	3.6	0	9.5	1	1.2	0	0.382	1	3.126	0	8.180	0	2230	46	2.2
3362.7	10000	38.2008	95.2447	-357	PKC	3.7	0	9.6	1	1.1	0	0.383	1	3.237	0	8.453	0	2193	39	2.2
3362.6	10000	38.2009	95.2439	-353	PKC	3.4	0	9.4	1	1.1	0	0.368	1	3.047	0	8.286	0	2127	50	2.1
3362.5	10000	38.2009	95.2432	-348	PKC	3.5	0	8.8	-1	1.1	0	0.418	1	3.203	0	7.654	-1	2064	42	2.1
3362.4	10000	38.2009	95.2424	-344	PKC	3.5	0	8.8	-1	1.1	0	0.419	1	3.157	0	7.529	-1	2033	45	2.1
3362.3	10000	38.2009	95.2416	-339	PKC	3.4	0	8.8	-1	1.1	0	0.395	1	2.963	0	7.500	-1	2032	53	2.1
3362.2	10000	38.2009	95.2409	-334	PKC	3.6	0	8.8	-1	1.2	0	0.381	1	2.859	0	7.514	-1	2039	57	2.1
3362.1	10000	38.2009	95.2401	-329	PKC	3.8	0	8.2	-1	1.3	0	0.367	1	2.626	-1	7.161	-1	2066	46	2.1
3362.0	10000	38.2009	95.2393	-325	PKC	3.5	0	8.4	-1	1.3	0	0.383	1	2.774	0	7.251	-1	2102	55	2.1
3361.9	10000	38.2010	95.2386	-319	PKC	3.6	0	8.7	-1	1.3	0	0.391	1	2.774	0	7.101	-1	2146	53	2.1
3361.8	10000	38.2010	95.2378	-315	PKC	3.8	0	9.4	1	1.3	0	0.401	1	3.016	0	7.523	-1	2158	44	2.1
3361.7	10000	38.2010	95.2371	-311	PKC	3.7	0	9.6	1	1.3	0	0.385	1	3.055	0	7.944	0	2168	37	2.1
3361.6	10000	38.2010	95.2363	-306	PKC	3.7	0	9.4	1	1.2	0	0.384	1	3.023	0	7.865	0	2145	48	2.1
3361.5	10000	38.2010	95.2355	-302	PKC	3.6	0	9.2	1	1.2	0	0.398	1	3.226	0	8.112	0	2124	45	2.1
3361.4	10000	38.2010	95.2348	-297	PKC	3.6	0	9.1	1	1.1	0	0.397	1	3.303	0	8.321	0	2079	51	2.1
3361.3	10000	38.2010	95.2340	-294	PKC	3.5	0	8.8	-1	1.1	0	0.366	1	3.100	0	8.022	0	2040	51	2.1
3361.2	10000	38.2010	95.2332	-289	PKC	3.4	0	8.6	-1	1.0	0	0.359	1	3.024	0	8.422	0	2003	54	2.1
3361.1	10000	38.2011	95.2325	-285	PKC	3.2	0	8.5	-1	1.0	0	0.353	1	2.994	0	8.480	0	1980	40	2.1
3361.0	10000	38.2011	95.2317	-282	PKC	3.4	0	8.8	-1	1.0	0	0.369	1	3.109	0	8.428	0	1974	54	2.1
3360.9	10000	38.2011	95.2309	-278	PKC	3.4	0	8.9	1	1.0	0	0.374	1	3.109	0	8.428	0	1987	42	2.1
3360.8	10000	38.2011	95.2302	-275	PKC	3.4	0	8.9	1	1.0	0	0.393	1	3.258	0	8.714	0	2008	40	2.1
3360.7	10000	38.2011	95.2294	-272	PKC	3.4	0	8.9	1	1.0	0	0.393	1	3.363	0	8.561	0	2039	44	2.1
3360.6	10000	38.2011	95.2287	-268	PKC	3.4	0	8.9	1	1.0	0	0.374	1	3.376	0	8.566	0	2065	58	2.1
3360.5	10000	38.2011	95.2279	-265	PKC	3.4	0	8.9	1	1.0	0	0.371	1	3.363	0	8.270	0	2098	44	2.1
3360.4	10000	38.2011	95.2272	-262	PKC	3.4	0	8.9	1	1.0	0	0.367	1	3.376	0	8.483	0	2118	45	2.1
3360.3	10000	38.2011	95.2264	-259	PKC	3.4	0	8.9	1	1.0	0	0.371	1	3.363	0	8.129	0	2112	52	2.1
3360.2	10000	38.2011	95.2257	-256	PKC	3.4	0	8.9	1	1.0	0	0.367	1	3.376	0	8.812	0	2119	45	2.1
3360.1	10000	38.2011	95.2249	-254	PKC	3.4	0	8.9	1	1.0	0	0.354	1	3.363	0	8.986	0	2118	60	2.1
3360.0	10000	38.2011	95.2242	-251	PKC	3.4	0	8.9	1	1.0	0	0.369	1	3.376	0	8.442	0	2106	34	2.1
3359.9	10000	38.2011	95.2234	-248	PKC	3.4	0	8.9	1	1.0	0	0.395	1	3.405	0	8.605	0	2098	42	2.1
3359.8	10000	38.2011	95.2227	-246	PKC	3.4	0	8.9	1	1.0	0	0.378	1	3.378	0	8.322	0	2089	55	2.1
3359.7	10000	38.2011	95.2219	-243	PKC	3.4	0	8.9	1	1.0	0	0.382	2	3.382	0	8.616	0	2066	53	2.1
3359.6	10000	38.2011	95.2212	-240	PKC	3.4	0	8.9	1	1.0	0	0.382	2	3.382	0	8.767	0	2086	52	2.1
3359.5	10000	38.2011	95.2205	-238	PKC	3.4	0	8.9	1	1.0	0	0.388	1	3.388	0	8.677	0	2090	51	2.1
3359.4	10000	38.2011	95.2197	-236	PKC	3.4	0	8.9	1	1.0	0	0.388	1	3.388	0	8.902	0	2114	46	2.1
3359.2	10000	38.2011	95.2190	-233	PKC	3.4	0	8.9	1	1.0	0	0.388	1	3.388	0	8.902	0	2130	39	2.1
3359.1	10000	38.2011	95.2182	-230	PKC	3.4	0	8.9	1	1.0	0	0.388	1	3.388	0	8.902	0	2141	61	2.1
3359.0	10000	38.2011	95.2175	-227	PKC	3.4	0	8.9	1	1.0	0	0.388	1	3.388	0	8.902	0	2161	46	2.1
3358.9	10000	38.2011	95.2167	-225	PKC	3.4	0	8.9	1	1.0	0	0.388	1	3.388	0	8.902	0	2213	49	2.1
3358.8	10000	38.2011	95.2160	-224	PKC	3.4	0	8.9	1	1.0	0	0.388	1	3.388	0	8.902	0	2225	44	2.1
3358.7	10000	38.2011	95.2152	-222	PKC	3.4	0	8.9	1	1.0	0	0.388	1	3.388	0	8.902	0	2226	46	2.1
3358.6	10000	38.2011	95.2145	-219	PKC	3.4	0	8.9	1	1.0	0	0.388	1	3.388	0	8.902	0	2225	46	2.1

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3358.6	10000	38.2011	95.2137	-223	PKC	4.2	2	9.9	0	1.1	0	0.420	1	3.703	1	8.823	0	2228	46	2.0
3358.5	10000	38.2011	95.2130	-222	PKC	4.0	1	9.7	0	1.1	0	0.409	1	3.752	1	9.183	1	2237	33	2.0
3358.4	10000	38.2011	95.2122	-221	PKC	4.1	1	9.8	0	1.1	0	0.419	1	3.611	1	8.619	0	2250	58	2.0
3358.3	10000	38.2011	95.2115	-219	PKC	4.2	2	10.1	1	1.1	0	0.418	1	3.690	1	8.827	0	2248	52	2.0
3358.2	10000	38.2011	95.2107	-218	PKC	4.1	1	10.3	1	1.1	0	0.402	1	3.643	1	9.056	1	2268	45	2.0
3358.1	10000	38.2011	95.2100	-217	PKC	4.0	1	10.6	1	1.1	0	0.382	0	3.571	1	9.347	1	2292	51	2.0
3358.0	10000	38.2011	95.2092	-216	PKC	4.1	1	10.8	1	1.2	0	0.382	0	3.431	1	8.983	1	2294	42	2.0
3357.9	10000	38.2011	95.2085	-215	PKC	4.1	1	11.2	1	1.2	0	0.363	0	3.362	1	9.255	1	2310	39	2.0
3357.8	10000	38.2011	95.2077	-213	PKC	3.9	1	11.3	2	1.3	1	0.343	0	2.918	1	8.516	0	2321	39	2.0
3357.7	10000	38.2011	95.2070	-213	PKC	3.7	1	11.4	2	1.3	1	0.326	0	2.952	0	9.052	1	2308	47	2.1
3357.6	10000	38.2011	95.2063	-211	PKC	3.7	1	11.2	1	1.2	0	0.334	0	3.068	0	9.182	1	2311	36	2.1
3357.5	10000	38.2011	95.2055	-211	PKC	3.7	1	11.3	2	1.3	1	0.331	0	2.949	0	8.923	0	2311	45	2.1
3357.4	10000	38.2011	95.2048	-210	PKC	3.7	1	11.0	1	1.3	1	0.339	0	2.952	0	8.703	0	2286	47	2.1
3357.3	10000	38.2011	95.2040	-208	PKC	3.6	1	11.1	1	1.2	1	0.324	0	2.925	0	9.042	1	2279	65	2.1
3357.2	10000	38.2011	95.2033	-207	PKC	3.6	0	10.9	1	1.2	0	0.327	0	2.960	0	9.052	1	2265	44	2.1
3357.1	10000	38.2011	95.2025	-206	PKC	3.5	0	10.7	1	1.1	0	0.329	0	3.062	0	9.314	1	2243	47	2.1
3357.0	10000	38.2011	95.2018	-205	PKC	3.6	1	10.5	1	1.2	0	0.343	0	3.055	0	8.920	0	2232	59	2.1
3356.9	10000	38.2010	95.2010	-204	PKC	3.7	1	10.4	1	1.2	0	0.354	0	3.025	0	8.536	0	2211	56	2.1
3356.8	10000	38.2011	95.2003	-203	PKC	3.8	1	10.3	1	1.2	0	0.368	0	3.209	0	8.732	0	2204	50	2.1
3356.7	10000	38.2010	95.1995	-202	PKC	4.1	1	10.4	1	1.1	0	0.395	0	3.678	1	9.320	1	2203	46	2.1
3356.6	10000	38.2011	95.1988	-200	PKC	4.2	2	9.7	0	1.0	-1	0.435	1	4.074	2	9.362	1	2185	52	2.1
3356.5	10000	38.2011	95.1980	-199	PKC	4.0	1	9.6	0	1.0	-1	0.418	1	3.971	1	9.493	1	2165	41	2.1
3356.4	10000	38.2011	95.1973	-198	PKC	4.0	1	9.7	0	1.0	-1	0.406	1	3.942	1	9.708	1	2145	57	2.1
3356.3	10000	38.2010	95.1965	-197	PKC	3.7	1	9.5	0	1.0	-1	0.392	0	3.799	1	9.700	1	2136	39	2.1
3356.2	10000	38.2010	95.1958	-196	PKC	3.5	0	9.6	0	0.9	-1	0.368	0	3.916	1	10.649	2	2132	59	2.1
3356.1	10000	38.2010	95.1950	-194	PKC	3.5	1	9.7	0	0.9	-1	0.357	0	3.808	1	10.655	2	2109	38	2.1
3356.0	10000	38.2010	95.1943	-193	PKC	3.5	1	9.7	0	0.9	-1	0.328	0	3.479	1	10.596	2	2083	49	2.1
3355.9	10000	38.2010	95.1935	-192	PKC	3.5	1	9.8	0	0.9	-1	0.317	0	3.243	1	10.228	2	2086	40	2.1
3355.8	10000	38.2010	95.1928	-190	PLP	3.5	1	9.8	0	0.9	-1	0.349	0	3.640	1	10.428	2	2103	53	2.1
3355.7	10000	38.2010	95.1921	-189	PLP	3.5	2	10.2	1	0.9	-1	0.367	0	3.994	1	10.883	2	2144	58	2.1
3355.6	10000	38.2010	95.1913	-187	PLP	3.7	2	10.3	1	0.9	-1	0.354	0	4.032	1	11.394	2	2142	54	2.1
3355.5	10000	38.2010	95.1906	-186	PLP	3.7	2	10.4	1	0.9	-1	0.354	0	3.909	1	11.043	2	2152	44	2.1
3355.4	10000	38.2010	95.1898	-185	PLP	3.7	2	10.3	1	0.9	-1	0.359	0	4.013	1	11.179	2	2164	43	2.1
3355.3	10000	38.2010	95.1891	-183	PLP	3.7	2	10.3	1	0.9	-1	0.375	0	4.124	1	10.990	2	2182	49	2.1
3355.2	10000	38.2010	95.1883	-181	PLP	3.9	2	10.4	1	0.9	-1	0.376	0	4.390	1	11.670	2	2180	58	2.1
3355.1	10000	38.2010	95.1876	-179	PLP	4.0	2	10.4	1	0.9	-1	0.369	0	4.370	1	11.853	2	2163	46	2.1
3355.0	10000	38.2010	95.1868	-177	PLP	4.0	2	10.4	1	0.9	-1	0.377	0	4.745	1	12.586	2	2140	55	2.1
3354.9	10000	38.2010	95.1861	-176	PLP	4.0	2	10.4	1	0.9	-1	0.442	0	4.777	1	13.064	2	2141	44	2.1
3354.8	10000	38.2010	95.1853	-174	PLP	4.0	2	10.4	1	0.9	-1	0.455	0	4.770	1	12.741	2	2143	39	2.1
3354.7	10000	38.2010	95.1846	-173	PLP	4.0	2	10.4	1	0.9	-1	0.469	0	4.960	1	12.697	2	2147	58	2.1
3354.6	10000	38.2010	95.1838	-171	PLP	4.0	2	10.4	1	0.9	-1	0.449	0	4.911	1	13.177	2	2141	46	2.1
3354.5	10000	38.2010	95.1831	-169	PLP	4.0	2	10.4	1	0.9	-1	0.423	0	4.675	1	13.407	2	2161	55	2.1
3354.4	10000	38.2010	95.1823	-167	PLP	4.0	2	10.4	1	0.9	-1	0.408	0	4.551	1	12.805	2	2193	39	2.1
3354.3	10000	38.2010	95.1816	-166	PLP	4.0	2	10.4	1	0.9	-1	0.366	0	4.033	1	12.323	2	2208	38	2.1
3354.2	10000	38.2010	95.1808	-164	PLP	4.0	2	10.4	1	0.9	-1	0.380	0	4.231	1	12.390	2	2231	35	2.1
3354.1	10000	38.2010	95.1801	-163	PLP	4.0	2	10.4	1	0.9	-1	0.391	0	4.339	1	12.277	2	2229	44	2.1
3354.0	10000	38.2010	95.1794	-160	PLP	4.0	2	10.4	1	0.9	-1	0.391	0	4.339	1	12.614	2	2207	45	2.1
3353.9	10000	38.2010	95.1786	-158	PLP	4.0	2	10.4	1	0.9	-1	0.391	0	4.339	1	12.097	2	2197	44	2.1
3353.8	10000	38.2010	95.1779	-156	PLP	4.0	2	10.4	1	0.9	-1	0.391	0	4.339	1	12.874	2	2159	48	2.1
3353.7	10000	38.2010	95.1771	-155	PLP	4.0	2	10.4	1	0.9	-1	0.391	0	4.339	1	12.666	2	2114	38	2.1
3353.6	10000	38.2010	95.1764	-154	PLP	4.0	2	10.4	1	0.9	-1	0.391	0	4.339	1	12.293	2	2080	50	2.1
3353.5	10000	38.2010	95.1756	-154	PLP	3.9	2	10.3	1	0.9	-1	0.381	0	4.225	1	12.045	2	2045	36	2.1

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3353.4	10000	38.2010	95.1749	-153	PLP	4.0	2	10.2	1	0.8	-2	0.388	1	5.022	3	12.956	3	2022	51	2.2
3353.3	10000	38.2010	95.1741	-152	PLP	3.4	1	10.1	0	0.8	-2	0.341	0	4.237	2	12.424	3	2007	59	2.2
3353.2	10000	38.2010	95.1734	-152	PLP	3.2	0	9.6	0	0.8	-2	0.335	0	3.925	2	11.700	2	2008	39	2.2
3353.1	10000	38.2010	95.1726	-152	PLP	3.5	1	9.9	0	0.8	-2	0.351	0	4.247	2	12.103	3	2036	47	2.2
3353.0	10000	38.2010	95.1719	-151	PLP	3.6	1	10.6	1	0.8	-2	0.339	0	4.407	2	13.008	3	2057	46	2.2
3352.9	10000	38.2010	95.1711	-151	PLP	3.5	1	10.6	1	0.8	-2	0.327	0	4.198	2	12.856	3	2092	44	2.2
3352.8	10000	38.2010	95.1704	-151	PLP	3.4	0	10.9	1	0.9	-1	0.310	0	3.717	1	11.973	3	2119	45	2.2
3352.7	10000	38.2010	95.1696	-150	PLP	3.3	0	10.9	1	0.9	-1	0.298	-1	3.593	1	12.038	3	2131	67	2.2
3352.6	10000	38.2010	95.1689	-150	PLP	3.6	1	11.5	2	0.9	-1	0.314	0	3.802	2	12.116	3	2152	52	2.2
3352.5	10000	38.2010	95.1681	-151	PLP	3.5	1	11.7	2	0.9	-1	0.297	-1	3.730	1	12.577	3	2161	55	2.3
3352.4	10000	38.2010	95.1674	-151	PLP	3.1	0	11.5	2	0.9	-1	0.275	-1	3.343	1	12.171	3	2150	43	2.3
3352.3	10000	38.2010	95.1666	-151	PLP	3.0	0	10.8	1	1.0	-1	0.280	-1	3.065	0	10.956	2	2136	46	2.3
3352.2	10000	38.2010	95.1659	-151	PLP	3.0	0	10.3	1	1.0	-1	0.291	-1	3.043	0	10.467	2	2106	35	2.3
3352.1	10000	38.2010	95.1651	-151	PLP	3.4	0	9.7	1	1.0	-1	0.346	0	3.544	1	10.237	1	2090	49	2.3
3352.0	10000	38.2010	95.1644	-151	PLP	3.5	1	9.6	0	1.0	-1	0.368	1	3.658	1	9.935	1	2083	51	2.3
3351.9	10000	38.2010	95.1637	-151	PKC	3.6	1	9.2	0	0.9	-1	0.394	0	3.945	1	10.019	1	2084	41	2.3
3351.8	10000	38.2010	95.1629	-150	PKC	3.7	1	9.4	0	0.9	-1	0.395	0	3.992	1	10.117	1	2078	55	2.3
3351.7	10000	38.2010	95.1622	-149	PKC	3.7	1	9.2	0	0.9	-1	0.402	1	4.074	2	10.141	1	2069	46	2.3
3351.6	10000	38.2010	95.1614	-148	PKC	3.8	1	9.7	0	0.9	-1	0.393	0	4.334	2	11.029	2	2069	37	2.3
3351.5	10000	38.2010	95.1607	-147	PKC	3.8	1	9.7	0	0.8	-2	0.392	0	4.677	2	11.930	3	2049	61	2.3
3351.4	10000	38.2010	95.1599	-146	PKC	3.3	0	9.4	0	0.8	-2	0.354	0	3.929	1	11.113	2	2041	36	2.3
3351.3	10000	38.2010	95.1592	-145	PKC	3.1	0	9.5	0	0.9	-1	0.328	0	3.498	1	10.679	2	2036	41	2.3
3351.2	10000	38.2010	95.1584	-143	PKC	3.0	0	9.6	0	0.9	-1	0.316	-1	3.314	0	10.480	2	2028	42	2.3
3351.1	10000	38.2010	95.1577	-141	PKC	3.0	0	9.1	0	1.0	-1	0.333	0	3.042	0	9.133	1	2031	38	2.3
3351.0	10000	38.2010	95.1569	-139	PKC	2.9	-1	9.3	0	1.1	0	0.308	-1	2.660	0	8.634	0	2055	41	2.3
3350.9	10000	38.2010	95.1562	-138	PKC	2.8	-1	9.3	0	1.0	0	0.308	-1	2.527	0	8.919	0	2084	52	2.3
3350.8	10000	38.2010	95.1554	-136	PKC	2.9	-1	9.3	0	1.1	0	0.319	-1	2.765	0	8.158	0	2138	43	2.3
3350.7	10000	38.2010	95.1547	-134	PKC	3.1	-1	10.4	1	1.1	0	0.316	-1	2.340	0	7.224	0	2159	45	2.3
3350.6	10000	38.2010	95.1539	-133	PKC	3.2	-1	10.5	1	1.1	0	0.324	-1	2.422	0	7.356	0	2179	51	2.3
3350.5	10000	38.2010	95.1532	-131	PKC	3.3	-1	10.4	1	1.1	0	0.329	-1	2.352	0	7.956	1	2187	51	2.3
3350.4	10000	38.2010	95.1525	-129	PKC	3.3	-1	10.5	1	1.1	0	0.338	-1	2.339	0	7.198	1	2194	48	2.3
3350.3	10000	38.2010	95.1517	-126	PKC	3.2	-1	10.2	1	1.1	0	0.325	-1	2.671	0	7.336	1	2185	47	2.3
3350.2	10000	38.2010	95.1510	-124	PKC	3.3	-1	10.4	1	1.1	0	0.364	0	2.699	0	7.757	1	2166	39	2.3
3350.1	10000	38.2010	95.1502	-122	PKC	3.3	-1	10.4	1	1.1	0	0.348	-1	3.013	0	7.222	1	2136	41	2.3
3350.0	10000	38.2010	95.1495	-119	PKC	3.3	-1	10.4	1	1.1	0	0.366	0	3.422	0	7.739	1	2116	38	2.3
3349.9	10000	38.2010	95.1487	-116	PKC	3.3	-1	10.4	1	1.1	0	0.392	0	3.525	0	8.314	1	2103	59	2.3
3349.8	10000	38.2010	95.1480	-113	PKC	3.3	-1	10.4	1	1.1	0	0.379	0	3.968	0	8.305	1	2110	39	2.3
3349.7	10000	38.2009	95.1472	-110	PKC	3.3	-1	10.4	1	1.1	0	0.385	0	3.277	0	8.751	1	2107	32	2.3
3349.6	10000	38.2010	95.1465	-105	PKC	3.3	-1	10.4	1	1.1	0	0.398	0	3.302	0	8.403	1	2107	48	2.3
3349.5	10000	38.2009	95.1457	-101	PKC	3.3	-1	10.4	1	1.1	0	0.377	0	3.695	0	8.801	1	2108	44	2.3
3349.4	10000	38.2009	95.1450	-98	PKC	3.3	-1	10.4	1	1.1	0	0.398	0	3.674	0	8.323	1	2129	39	2.3
3349.3	10000	38.2009	95.1442	-94	PKC	3.3	-1	10.4	1	1.1	0	0.379	0	3.215	0	8.125	1	2135	37	2.3
3349.2	10000	38.2009	95.1435	-89	PKC	3.3	-1	10.4	1	1.1	0	0.348	0	3.218	0	8.596	1	2150	39	2.3
3349.1	10000	38.2009	95.1427	-84	PKC	3.3	-1	10.4	1	1.1	0	0.332	0	2.986	0	8.878	1	2151	46	2.3
3349.0	10000	38.2009	95.1420	-79	PKC	3.3	-1	10.4	1	1.1	0	0.296	0	2.707	0	8.652	1	2157	43	2.3
3348.9	10000	38.2009	95.1412	-75	PKC	3.3	-1	10.4	1	1.1	0	0.280	0	2.781	0	9.294	1	2156	50	2.3
3348.8	10000	38.2009	95.1405	-70	PKC	3.3	-1	10.4	1	1.1	0	0.263	0	2.691	0	9.661	1	2148	36	2.3
3348.7	10000	38.2009	95.1397	-65	PKC	3.3	-1	10.4	1	1.1	0	0.236	0	2.522	0	9.161	1	2140	39	2.3
3348.6	10000	38.2009	95.1390	-60	PKC	3.3	-1	10.4	1	1.1	0	0.233	0	2.522	0	9.194	1	2166	50	2.3
3348.5	10000	38.2009	95.1382	-55	PKC	3.3	-1	10.4	1	1.1	0	0.227	0	2.522	0	9.271	1	2178	36	2.3
3348.4	10000	38.2009	95.1375	-52	PKC	3.3	-1	10.4	1	1.1	0	0.231	0	2.522	0	9.608	1	2166	39	2.3
3348.3	10000	38.2009	95.1367	-47	PKC	3.3	-1	10.4	1	1.1	0	0.231	0	2.522	0	9.376	1	2166	44	2.3

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3348.2	10000	38.2009	95.1360	-43	PKC	3.5	0	10.2	1	1.0	-1	0.343	0	3.668	1	10.691	2	2137	53	2.3
3348.1	10000	38.2009	95.1353	-39	PKC	3.4	0	10.2	1	0.9	-1	0.335	0	3.836	1	11.443	2	2099	41	2.3
3348.0	10000	38.2009	95.1345	-35	PKC	3.6	1	9.7	0	0.9	-2	0.371	0	4.177	2	11.272	2	2087	52	2.3
3347.9	10000	38.2009	95.1338	-31	PKC	3.7	1	9.4	0	0.9	-2	0.389	0	4.283	2	11.005	2	2070	43	2.3
3347.8	10000	38.2009	95.1330	-27	PKC	3.2	0	9.0	0	0.8	-2	0.359	0	3.981	1	11.101	2	2025	46	2.3
3347.7	10000	38.2009	95.1323	-24	PKC	3.1	0	9.0	0	0.8	-2	0.349	0	4.024	2	11.530	3	1980	45	2.3
3347.6	10000	38.2009	95.1315	-20	PKC	3.1	0	9.1	0	0.8	-2	0.336	0	3.827	1	11.391	2	1967	55	2.3
3347.5	10000	38.2009	95.1308	-17	PKC	3.1	0	9.4	0	0.8	-2	0.335	0	3.962	1	11.830	3	1985	47	2.3
3347.4	10000	38.2009	95.1300	-14	PKC	3.4	0	9.8	0	0.8	-2	0.343	0	4.183	2	12.209	3	2035	42	2.3
3347.3	10000	38.2009	95.1293	-11	PKC	3.0	-1	10.9	1	0.8	-2	0.274	-1	3.547	1	12.929	4	2065	44	2.3
3347.2	10000	38.2009	95.1285	-9	PKC	2.9	-1	11.1	1	0.8	-2	0.256	-1	3.501	1	13.670	4	2070	44	2.3
3347.1	10000	38.2009	95.1278	-5	PKC	3.1	0	12.0	2	0.8	-2	0.259	-1	3.775	1	14.595	5	2075	51	2.3
3347.0	10000	38.2009	95.1270	-2	PKC	2.8	-1	12.0	2	0.9	-2	0.234	-2	3.252	0	13.908	4	2097	43	2.3
3346.9	10000	38.2009	95.1263	1	PKC	2.8	-1	12.1	2	0.8	-2	0.234	-2	3.359	1	14.376	5	2128	46	2.3
3346.8	10000	38.2009	95.1255	5	PKC	2.5	-1	12.2	2	0.9	-1	0.208	-2	2.805	-1	13.472	4	2140	49	2.3
3346.7	10000	38.2009	95.1248	9	PKC	2.4	-2	12.1	2	0.9	-1	0.200	-2	2.623	-1	13.101	4	2129	46	2.3
3346.6	10000	38.2009	95.1241	13	PKC	2.7	-1	11.6	2	0.9	-1	0.233	-2	2.978	0	12.771	3	2134	47	2.3
3346.5	10000	38.2009	95.1233	17	PKC	3.0	-1	12.0	2	0.9	-1	0.247	-1	3.151	0	12.757	3	2151	45	2.3
3346.4	10000	38.2009	95.1226	22	PKC	3.2	0	11.4	2	0.9	-1	0.278	-1	3.377	1	12.151	3	2189	49	2.2
3346.3	10000	38.2009	95.1218	26	PKC	3.4	0	11.6	2	1.0	-1	0.290	-1	3.497	1	12.043	3	2213	49	2.2
3346.2	10000	38.2009	95.1211	32	PKC	3.4	0	11.6	2	1.0	-1	0.296	-1	3.327	1	11.251	2	2235	45	2.2
3346.1	10000	38.2009	95.1203	37	PKC	3.5	0	11.2	2	1.0	-1	0.314	-1	3.554	1	11.325	2	2261	49	2.2
3346.0	10000	38.2009	95.1196	42	PKC	3.6	0	11.4	2	1.0	-1	0.315	-1	3.507	1	11.137	2	2303	46	2.2
3345.9	10000	38.2009	95.1188	47	PKC	3.4	0	11.8	2	1.0	0	0.291	-1	3.263	0	11.212	2	2316	36	2.2
3345.8	10000	38.2009	95.1181	53	PKC	3.4	0	11.9	2	1.1	0	0.285	-1	3.119	0	10.945	2	2325	36	2.2
3345.7	10000	38.2009	95.1173	58	PKC	3.0	-1	12.1	2	1.1	0	0.245	-1	2.644	0	10.783	2	2327	41	2.2
3345.6	10000	38.2009	95.1166	63	PKC	3.2	0	12.0	2	1.1	0	0.266	-1	2.867	0	10.768	2	2327	51	2.2
3345.5	10000	38.2009	95.1158	69	PKC	3.3	0	12.0	2	1.1	0	0.282	-1	2.899	0	10.276	2	2308	66	2.2
3345.4	10000	38.2009	95.1151	73	PKC	3.3	0	11.9	2	1.1	0	0.277	-1	2.882	0	10.409	2	2289	52	2.2
3345.3	10000	38.2009	95.1143	79	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2254	40	2.2
3345.2	10000	38.2009	95.1136	83	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2229	46	2.2
3345.1	10000	38.2009	95.1128	87	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2215	39	2.2
3345.0	10000	38.2009	95.1121	91	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2181	52	2.2
3344.9	10000	38.2009	95.1113	95	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2161	33	2.2
3344.8	10000	38.2009	95.1106	99	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2153	40	2.2
3344.7	10000	38.2009	95.1099	104	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2151	46	2.2
3344.6	10000	38.2009	95.1091	107	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2167	59	2.2
3344.5	10000	38.2009	95.1084	110	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2169	43	2.2
3344.4	10000	38.2009	95.1076	114	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2163	39	2.2
3344.3	10000	38.2009	95.1069	117	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2182	58	2.2
3344.2	10000	38.2009	95.1062	119	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2186	41	2.2
3344.1	10000	38.2009	95.1054	121	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2185	54	2.2
3344.0	10000	38.2009	95.1047	124	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2183	55	2.2
3343.9	10000	38.2009	95.1039	125	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2176	39	2.2
3343.8	10000	38.2009	95.1032	126	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2167	55	2.2
3343.7	10000	38.2009	95.1025	127	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2160	45	2.2
3343.6	10000	38.2009	95.1017	128	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2132	35	2.2
3343.5	10000	38.2009	95.1010	129	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2121	55	2.2
3343.4	10000	38.2009	95.1002	129	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2106	46	2.2
3343.3	10000	38.2009	95.0995	129	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2106	46	2.2
3343.2	10000	38.2008	95.0988	128	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2106	46	2.2
3343.1	10000	38.2008	95.0980	128	PKC	3.3	0	11.8	2	1.1	0	0.284	-1	2.962	0	10.432	2	2106	46	2.2

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3343.0	10000	38.2008	95.0973	127	PKC	3.5	0	8.6	-1	1.2	0	0.402	1	2.962	0	7.366	-1	2079	48	2.2
3342.9	10000	38.2008	95.0965	127	PKC	3.4	0	8.3	-1	1.1	0	0.410	1	3.111	0	7.589	-1	2066	45	2.2
3342.8	10000	38.2008	95.0958	126	PKC	3.7	1	8.6	-1	1.0	-1	0.424	1	3.571	1	8.420	0	2044	58	2.2
3342.7	10000	38.2008	95.0951	126	PKC	3.4	0	9.1	0	1.0	-1	0.371	0	3.372	1	9.091	1	2029	49	2.2
3342.6	10000	38.2008	95.0943	126	PKC	3.5	0	9.0	0	1.0	-1	0.390	0	3.509	1	8.998	1	2040	47	2.2
3342.5	10000	38.2008	95.0936	125	PKC	3.6	1	9.1	0	1.0	-1	0.399	1	3.624	1	9.070	1	2046	49	2.2
3342.4	10000	38.2008	95.0928	124	PKC	3.6	1	9.6	0	0.9	-1	0.378	0	3.891	1	10.300	2	2036	42	2.2
3342.3	10000	38.2008	95.0921	123	PKC	3.8	1	10.4	1	0.9	-1	0.370	0	4.278	2	11.559	3	2052	48	2.2
3342.2	10000	38.2008	95.1914	122	PKC	4.0	1	10.8	1	0.9	-1	0.370	0	4.373	2	11.806	3	2093	52	2.2
3342.1	10000	38.2008	95.0906	122	PKC	4.0	1	11.3	2	0.9	-1	0.351	0	4.257	2	12.134	3	2146	32	2.2
3342.0	10000	38.2008	95.0899	121	PKC	4.2	2	11.4	2	1.0	-1	0.372	0	4.417	2	11.864	3	2226	41	2.2
3341.9	10000	38.2008	95.0891	120	PKC	4.3	2	11.5	2	1.0	-1	0.375	0	4.307	2	11.496	2	2271	49	2.3
3341.8	10000	38.2008	95.0884	120	PKC	4.2	2	12.1	2	1.0	-1	0.345	0	4.007	1	11.606	3	2310	48	2.3
3341.7	10000	38.2008	95.0877	119	PKC	4.2	2	11.9	2	1.1	0	0.355	0	3.921	1	11.031	2	2348	44	2.3
3341.6	10000	38.2008	95.0869	118	PKC	4.3	2	11.7	2	1.1	0	0.365	0	3.937	1	10.776	2	2376	59	2.3
3341.5	10000	38.2008	95.0862	117	PKC	4.1	2	11.5	2	1.2	0	0.358	0	3.571	1	9.979	1	2380	39	2.3
3341.4	10000	38.2008	95.0854	116	PKC	3.9	1	11.1	2	1.1	0	0.353	0	3.463	1	9.809	1	2364	46	2.3
3341.3	10000	38.2008	95.0847	116	PKC	3.9	1	11.0	1	1.1	0	0.357	0	3.458	1	9.678	1	2336	46	2.3
3341.2	10000	38.2008	95.0840	116	PKC	3.9	1	11.3	2	1.1	0	0.348	0	3.434	1	9.867	1	2312	45	2.3
3341.1	10000	38.2008	95.0832	116	PKC	3.8	1	11.2	1	1.1	0	0.339	0	3.370	1	9.951	1	2301	43	2.3
3341.0	10000	38.2008	95.0825	116	PKC	3.8	1	11.2	1	1.2	0	0.340	0	3.229	1	9.506	1	2302	38	2.3
3340.9	10000	38.2008	95.0817	116	PKC	3.8	1	10.9	1	1.2	0	0.352	0	3.197	1	9.094	1	2303	43	2.3
3340.8	10000	38.2008	95.0810	117	PKC	3.8	1	11.0	1	1.2	0	0.349	0	3.204	1	9.180	1	2300	45	2.3
3340.7	10000	38.2008	95.0803	117	PKC	3.7	1	11.6	2	1.2	0	0.321	0	3.021	1	9.424	1	2324	52	2.3
3340.6	10000	38.2007	95.0795	119	PKC	3.5	1	12.0	2	1.2	1	0.290	-1	2.806	1	9.668	1	2342	48	2.3
3340.5	10000	38.2007	95.0788	120	PKC	3.5	1	11.9	2	1.2	1	0.291	-1	2.933	1	10.068	1	2346	42	2.3
3340.4	10000	38.2007	95.0780	121	PKC	3.8	1	12.0	2	1.1	1	0.315	-1	3.345	1	10.609	2	2350	42	2.3
3340.3	10000	38.2007	95.0773	122	PKC	3.6	1	11.9	2	1.1	1	0.305	-1	3.335	1	10.927	2	2341	45	2.4
3340.2	10000	38.2007	95.0766	123	PKC	3.6	1	12.1	2	1.1	1	0.269	-1	3.021	1	11.212	2	2341	60	2.4
3340.1	10000	38.2007	95.0758	124	PKC	3.5	1	12.1	2	1.1	1	0.267	-1	3.109	1	11.630	2	2342	57	2.4
3340.0	10000	38.2007	95.0751	125	PKC	3.5	1	11.9	2	1.1	1	0.292	-1	3.185	1	10.911	2	2327	52	2.4
3339.9	10000	38.2007	95.0743	125	PKC	3.5	1	11.9	2	1.1	1	0.295	-1	3.172	1	10.754	2	2291	49	2.4
3339.8	10000	38.2007	95.0736	125	PKC	3.5	1	11.9	2	1.1	1	0.289	-1	3.949	1	10.210	2	2274	58	2.4
3339.7	10000	38.2007	95.0729	125	PKC	3.5	1	11.9	2	1.1	1	0.299	-1	3.868	1	9.603	1	2252	51	2.4
3339.6	10000	38.2007	95.0721	124	PKC	3.5	1	11.9	2	1.1	1	0.306	-1	3.014	1	9.851	1	2239	55	2.4
3339.5	10000	38.2007	95.0714	123	PKC	3.5	1	11.9	2	1.1	1	0.329	-1	3.189	1	9.682	1	2208	47	2.4
3339.4	10000	38.2007	95.0706	121	PKC	3.5	1	11.9	2	1.1	1	0.338	-1	3.249	1	9.618	1	2175	48	2.4
3339.3	10000	38.2007	95.0699	119	PKC	3.5	1	11.9	2	1.1	1	0.322	-1	3.256	1	9.108	1	2140	59	2.4
3339.2	10000	38.2007	95.0692	118	PKC	3.5	1	11.9	2	1.1	1	0.332	-1	3.184	1	9.760	1	2133	52	2.4
3339.1	10000	38.2007	95.0684	114	PKC	3.5	1	11.9	2	1.1	1	0.316	-1	3.291	1	9.925	1	2129	37	2.5
3339.0	10000	38.2007	95.0677	110	PKC	3.5	1	11.9	2	1.1	1	0.299	-1	3.258	1	10.305	2	2136	42	2.5
3338.9	10000	38.2007	95.0669	105	PKC	3.5	1	11.9	2	1.1	1	0.317	-1	3.141	1	10.517	2	2136	42	2.5
3338.8	10000	38.2007	95.0662	101	PKC	3.5	1	11.9	2	1.1	1	0.318	-1	3.510	1	11.072	2	2138	50	2.5
3338.7	10000	38.2007	95.0655	96	PKC	3.5	1	11.9	2	1.1	1	0.339	-1	3.763	1	11.833	2	2142	35	2.5
3338.6	10000	38.2007	95.0647	91	PKC	3.5	1	11.9	2	1.1	1	0.357	-1	3.503	1	11.064	2	2160	45	2.5
3338.5	10000	38.2007	95.0640	87	PKC	3.5	1	11.9	2	1.1	1	0.377	-1	3.777	1	11.614	2	2164	52	2.5
3338.4	10000	38.2007	95.0632	82	PKC	3.5	1	11.9	2	1.1	1	0.376	-1	3.093	1	10.664	2	2168	46	2.5
3338.3	10000	38.2007	95.0625	77	PKC	3.5	1	11.9	2	1.1	1	0.380	-1	3.348	1	10.536	2	2162	40	2.5
3338.2	10000	38.2007	95.0618	72	PKC	3.5	1	11.9	2	1.1	1	0.356	-1	3.041	1	10.067	2	2161	38	2.5
3338.1	10000	38.2007	95.0610	67	PKC	3.5	1	11.9	2	1.1	1	0.360	-1	3.165	1	10.273	2	2166	39	2.5
3338.0	10000	38.2007	95.0603	61	PKC	3.5	1	11.9	2	1.1	1	0.319	-1	2.905	1	9.416	1	2193	42	2.5
3337.9	10000	38.2007	95.0595	56	PKC	3.5	1	11.9	2	1.1	1	0.334	-1	3.225	1	10.273	2	2214	40	2.6

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3337.8	10000	38.2007	95.0588	50	PKC	3.4	0	11.4	2	0.9	-1	0.296	-1	3.710	1	12.528	3	2256	55	2.6
3337.7	10000	38.2007	95.0581	45	PKC	3.2	0	12.1	2	0.9	-1	0.268	-1	3.564	1	13.318	4	2290	46	2.6
3337.6	10000	38.2007	95.0573	39	PKC	3.4	0	12.2	2	1.0	-1	0.279	-1	3.551	1	12.716	3	2326	43	2.6
3337.5	10000	38.2006	95.0566	33	PKC	3.7	1	12.6	3	1.0	-1	0.294	-1	3.845	1	13.074	4	2342	38	2.6
3337.4	10000	38.2006	95.0558	26	PKC	3.7	1	12.9	3	0.9	-1	0.290	-1	4.004	1	13.787	4	2363	54	2.6
3337.3	10000	38.2006	95.0551	20	PKC	3.7	1	12.3	2	1.0	-1	0.299	-1	3.758	1	12.577	3	2377	43	2.6
3337.2	10000	38.2006	95.0544	14	PKC	3.9	1	12.5	3	1.0	-1	0.310	-1	4.067	2	13.112	4	2385	44	2.6
3337.1	10000	38.2006	95.0536	8	PKC	3.8	1	12.3	2	1.0	-1	0.312	-1	3.944	1	12.660	3	2375	43	2.7
3337.0	10000	38.2006	95.0529	2	PKC	4.0	1	11.6	2	1.0	-1	0.347	0	4.034	2	11.614	3	2376	50	2.7
3336.9	10000	38.2006	95.0521	-4	PKC	4.0	1	11.4	2	1.1	0	0.353	0	3.658	1	10.359	2	2400	51	2.7
3336.8	10000	38.2006	95.0514	-9	PKC	3.9	1	11.0	1	1.2	0	0.359	0	3.371	1	9.397	1	2422	54	2.7
3336.7	10000	38.2006	95.0507	-15	PKC	4.0	1	10.7	1	1.3	1	0.372	0	3.104	0	8.335	0	2464	36	2.7
3336.6	10000	38.2006	95.0499	-20	PKC	3.9	1	10.7	1	1.3	1	0.367	0	3.037	0	8.271	0	2458	49	2.7
3336.5	10000	38.2006	95.0492	-26	PKC	4.3	2	10.1	1	1.3	1	0.431	1	3.227	0	7.484	-1	2458	37	2.7
3336.4	10000	38.2006	95.0484	-32	PKC	4.3	2	9.8	1	1.4	1	0.439	1	3.179	0	7.234	-1	2430	44	2.7
3336.3	10000	38.2006	95.0477	-37	PKC	3.8	1	9.5	1	1.4	2	0.402	1	2.717	0	6.760	-1	2398	44	2.7
3336.2	10000	38.2006	95.0470	-43	PKC	3.6	1	9.1	0	1.4	1	0.395	1	2.573	-1	6.516	-1	2346	33	2.7
3336.1	10000	38.2006	95.0462	-49	PKC	3.4	0	9.1	0	1.4	1	0.374	0	2.441	-1	6.520	-1	2354	40	2.7
3336.0	10000	38.2006	95.0455	-54	PKC	3.3	0	9.3	0	1.4	2	0.353	0	2.340	-1	6.627	-1	2336	43	2.7
3335.9	10000	38.2006	95.0447	-58	PKC	3.4	0	9.8	0	1.4	2	0.344	0	2.355	-1	6.849	-1	2351	45	2.7
3335.8	10000	38.2006	95.0440	-63	PKC	3.2	0	9.8	0	1.4	2	0.326	0	2.212	-1	6.787	-1	2378	37	2.8
3335.7	10000	38.2006	95.0433	-67	PKC	3.3	0	10.1	1	1.4	2	0.327	0	2.314	-1	7.074	-1	2433	51	2.8
3335.6	10000	38.2006	95.0425	-71	PKC	3.5	0	10.5	1	1.4	2	0.333	0	2.486	-1	7.475	-1	2489	54	2.8
3335.5	10000	38.2006	95.0418	-77	PKC	3.6	1	11.1	1	1.4	2	0.327	0	2.549	-1	7.788	0	2533	59	2.8
3335.4	10000	38.2006	95.0410	-80	PKC	3.7	1	11.3	2	1.4	2	0.327	0	2.635	0	8.056	0	2529	48	2.8
3335.3	10000	38.2006	95.0403	-84	PKC	3.6	1	11.8	2	1.4	2	0.305	0	2.585	0	8.018	0	2524	41	2.8
3335.2	10000	38.2006	95.0396	-88	PKC	3.6	1	11.9	2	1.4	2	0.302	0	2.585	0	8.095	0	2511	47	2.8
3335.1	10000	38.2006	95.0388	-92	PKC	3.6	1	12.0	2	1.4	2	0.300	0	2.585	0	8.050	0	2486	52	2.8
3335.0	10000	38.2006	95.0381	-96	PKC	3.6	1	12.1	2	1.4	2	0.297	0	2.585	0	8.114	0	2454	35	2.8
3334.9	10000	38.2006	95.0373	-100	PKC	3.6	1	12.2	2	1.4	2	0.295	0	2.585	0	8.104	0	2393	42	2.8
3334.8	10000	38.2006	95.0366	-103	PKC	3.6	1	12.3	2	1.4	2	0.293	0	2.585	0	8.033	0	2349	52	2.8
3334.7	10000	38.2006	95.0359	-106	PKC	3.6	1	12.4	2	1.4	2	0.291	0	2.585	0	8.021	0	2324	48	2.8
3334.6	10000	38.2006	95.0351	-110	PKC	3.6	1	12.5	2	1.4	2	0.289	0	2.585	0	8.560	0	2304	51	2.9
3334.5	10000	38.2006	95.0344	-113	PKC	3.6	1	12.6	3	1.4	2	0.287	0	2.585	0	8.607	0	2312	50	2.9
3334.4	10000	38.2005	95.0336	-117	PKC	3.6	1	12.7	3	1.4	2	0.285	0	2.585	0	8.939	0	2319	52	2.9
3334.3	10000	38.2005	95.0329	-121	PKC	3.6	1	12.8	3	1.4	2	0.283	0	2.585	0	8.058	0	2330	41	2.9
3334.2	10000	38.2006	95.0322	-124	PKC	3.6	1	12.9	3	1.4	2	0.281	0	2.585	0	8.451	0	2352	55	2.9
3334.1	10000	38.2005	95.0314	-128	PKC	3.6	1	13.0	3	1.4	2	0.279	0	2.585	0	8.764	0	2379	42	2.9
3334.0	10000	38.2005	95.0307	-131	PKC	3.6	1	13.1	3	1.4	2	0.277	0	2.585	0	9.091	0	2412	44	2.9
3333.9	10000	38.2005	95.0299	-135	PKC	3.6	1	13.2	3	1.4	2	0.275	0	2.585	0	9.717	0	2434	53	2.9
3333.8	10000	38.2005	95.0292	-139	PKC	3.6	1	13.3	3	1.4	2	0.273	0	2.585	0	9.699	0	2444	46	2.9
3333.7	10000	38.2005	95.0285	-143	PKC	3.6	1	13.4	3	1.4	2	0.271	0	2.585	0	9.445	0	2448	40	2.9
3333.6	10000	38.2005	95.0277	-148	PKC	3.6	1	13.5	3	1.4	2	0.269	0	2.585	0	9.190	0	2465	38	2.9
3333.5	10000	38.2005	95.0270	-152	PKC	3.6	1	13.6	3	1.4	2	0.267	0	2.585	0	9.027	0	2486	38	2.9
3333.4	10000	38.2005	95.0262	-157	PKC	3.6	1	13.7	3	1.4	2	0.265	0	2.585	0	9.077	0	2479	44	2.9
3333.3	10000	38.2005	95.0255	-162	PKC	3.6	1	13.8	3	1.4	2	0.263	0	2.585	0	9.045	0	2467	42	2.9
3333.2	10000	38.2005	95.0247	-167	PKC	3.6	1	13.9	3	1.4	2	0.261	0	2.585	0	9.012	0	2456	41	2.9
3333.1	10000	38.2005	95.0240	-172	PKC	3.6	1	14.0	3	1.4	2	0.259	0	2.585	0	9.040	0	2453	45	2.9
3333.0	10000	38.2005	95.0233	-170	PKC	3.6	1	14.1	3	1.4	2	0.257	0	2.585	0	9.036	0	2437	48	2.9
3332.9	10000	38.2005	95.0225	-160	PKC	3.6	1	14.2	3	1.4	2	0.255	0	2.585	0	9.073	0	2440	44	2.9
3332.8	10000	38.2005	95.0218	-158	PKC	3.6	1	14.3	3	1.4	2	0.253	0	2.585	0	9.077	0	2421	39	2.9
3332.7	10000	38.2005	95.0211	-163	PKC	3.6	1	14.4	3	1.4	2	0.251	0	2.585	0	9.083	0	2426	49	2.9

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3332.6	10000	38.2005	95.0203	-168	PKC	3.6	1	10.9	1	1.2	0	0.332	0	3.139	0	9.456	1	2398	47	3.0
3332.5	10000	38.2005	95.0196	-173	PKC	4.1	1	11.1	1	1.1	0	0.370	0	3.660	1	9.898	1	2379	45	3.0
3332.4	10000	38.2005	95.0188	-178	PKC	3.9	1	10.4	1	1.1	0	0.376	0	3.558	1	9.472	1	2343	44	3.0
3332.3	10000	38.2005	95.0181	-182	PKC	4.1	1	9.7	0	1.1	0	0.423	1	3.863	1	9.129	1	2294	40	3.0
3332.2	10000	38.2005	95.0173	-186	PKC	4.2	2	9.1	0	1.0	-1	0.456	1	4.316	2	9.457	1	2226	41	3.0
3332.1	10000	38.2005	95.0166	-190	PKC	4.1	1	8.9	0	0.9	-1	0.461	1	4.666	2	10.125	1	2176	53	3.0
3332.0	10000	38.2005	95.0159	-194	PKC	4.1	1	8.7	0	0.8	-2	0.466	1	4.875	3	10.461	2	2116	52	3.0
3331.9	10000	38.2005	95.0151	-198	PKC	4.2	2	8.5	-1	0.8	-2	0.493	2	5.490	4	11.138	2	2068	57	3.0
3331.8	10000	38.2005	95.0144	-202	PKC	4.0	1	8.2	-1	0.7	-2	0.480	2	5.391	3	11.233	2	2039	53	3.0
3331.7	10000	38.2005	95.0137	-205	PKC	4.2	2	8.2	-1	0.7	-3	0.514	2	6.087	4	11.847	3	2037	44	3.0
3331.6	10000	38.2005	95.0129	-209	PKC	4.3	2	8.6	-1	0.7	-2	0.497	2	6.006	4	12.094	3	2072	36	3.0
3331.5	10000	38.2005	95.0122	-212	PKC	4.1	1	8.8	0	0.8	-2	0.466	1	5.323	3	11.412	2	2117	56	3.0
3331.4	10000	38.2005	95.0114	-216	PKC	4.2	2	9.2	0	0.9	-2	0.453	1	4.849	3	10.697	2	2184	45	3.0
3331.3	10000	38.2005	95.0107	-220	PKC	4.1	1	9.3	0	0.9	-1	0.440	1	4.540	2	10.321	2	2234	49	3.0
3331.2	10000	38.2005	95.0099	-222	PKC	4.1	1	9.7	0	1.0	-1	0.426	1	3.974	1	9.332	1	2318	42	3.0
3331.1	10000	38.2004	95.0092	-226	PKC	4.0	1	10.1	1	1.1	0	0.396	1	3.609	1	9.112	1	2380	52	3.0
3331.0	10000	38.2004	95.0085	-229	PKC	3.9	1	10.0	1	1.2	0	0.386	0	3.365	1	8.714	0	2412	49	3.0
3330.9	10000	38.2004	95.0077	-233	PKC	3.8	1	10.0	1	1.2	0	0.380	0	3.199	0	8.426	0	2399	50	3.1
3330.8	10000	38.2004	95.0070	-235	PKC	3.9	1	9.7	0	1.1	0	0.406	1	3.429	1	8.454	0	2367	51	3.1
3330.7	10000	38.2004	95.0063	-239	PKC	3.8	1	9.6	0	1.1	0	0.400	1	3.469	1	8.673	0	2304	38	3.1
3330.6	10000	38.2004	95.0055	-241	PKC	3.6	1	9.6	0	1.1	0	0.370	0	3.385	1	9.145	1	2261	49	3.1
3330.5	10000	38.2004	95.0048	-244	PKC	3.6	1	9.7	0	1.0	-1	0.369	0	3.642	1	9.859	1	2202	52	3.1
3330.4	10000	38.2004	95.0040	-248	PKC	3.6	1	9.4	0	0.9	-2	0.384	0	4.174	2	10.874	2	2135	48	3.1
3330.3	10000	38.2004	95.0033	-253	PKC	3.4	0	9.3	0	0.8	-2	0.368	0	4.263	2	11.592	3	2078	45	3.1
3330.2	10000	38.2004	95.0025	-257	PKC	3.5	1	8.8	0	0.7	-2	0.399	0	5.054	3	12.663	3	2044	38	3.1
3330.1	10000	38.2004	95.0018	-260	PKC	3.7	1	8.7	0	0.7	-3	0.426	1	5.457	4	12.819	4	2012	35	3.1
3330.0	10000	38.2004	95.0010	-264	PKC	3.8	1	8.1	-1	0.7	-3	0.470	1	5.635	4	11.996	3	2010	50	3.1
3329.9	10000	38.2005	95.0002	-266	PKC	4.3	2	7.8	-1	0.7	-2	0.546	2	5.937	4	10.878	2	2017	30	3.1
3329.8	10000	38.2005	94.9995	-269	PKC	4.4	2	7.1	-2	0.7	-3	0.611	3	6.317	5	10.346	2	2015	55	3.1
3329.7	10000	38.2005	94.9987	-271	PKC	4.4	2	6.9	-3	0.8	-3	0.640	4	6.673	6	8.867	0	2033	51	3.1
3329.6	10000	38.2005	94.9979	-273	PKC	4.4	2	7.1	-3	0.8	-3	0.626	4	6.706	6	9.111	1	2062	50	3.1
3329.5	10000	38.2005	94.9972	-274	PKC	4.4	2	7.7	-3	0.8	-3	0.556	3	6.338	5	9.600	1	2105	31	3.1
3329.4	10000	38.2005	94.9964	-274	PKC	4.5	2	7.8	-3	0.8	-3	0.518	3	5.886	5	9.428	1	2172	40	3.1
3329.3	10000	38.2005	94.9957	-275	PKC	4.3	2	8.1	-2	0.8	-3	0.489	3	5.520	4	9.243	1	2205	37	3.1
3329.2	10000	38.2005	94.9949	-276	PKC	4.2	2	8.2	-2	0.8	-2	0.444	2	5.230	4	9.529	1	2209	40	3.1
3329.1	10000	38.2005	94.9941	-275	PKC	4.0	1	8.2	-2	0.8	-2	0.445	2	5.278	4	9.609	1	2215	43	3.1
3329.0	10000	38.2005	94.9934	-275	PKC	3.8	1	8.0	-2	0.8	-2	0.448	2	5.685	4	9.467	1	2212	38	3.1
3328.9	10000	38.2005	94.9926	-275	PKC	3.8	1	8.0	-2	0.8	-2	0.445	2	5.371	4	9.818	1	2191	50	3.1
3328.8	10000	38.2005	94.9919	-275	PKC	3.8	1	8.0	-2	0.8	-2	0.457	2	5.293	4	9.392	1	2189	44	3.1
3328.7	10000	38.2005	94.9911	-275	PKC	3.8	1	8.0	-2	0.8	-2	0.432	2	5.035	4	9.332	1	2179	52	3.1
3328.6	10000	38.2005	94.9903	-275	PKC	3.8	1	8.0	-2	0.8	-2	0.465	2	5.475	4	9.622	1	2193	44	3.1
3328.5	10000	38.2005	94.9896	-276	PKC	3.8	1	8.0	-2	0.8	-2	0.453	2	5.310	4	9.524	1	2226	49	3.1
3328.4	10000	38.2005	94.9888	-276	PKC	3.8	1	8.0	-2	0.8	-2	0.401	1	4.762	3	8.392	0	2255	46	3.1
3328.3	10000	38.2005	94.9881	-278	PKC	3.8	1	8.0	-2	0.8	-2	0.365	1	4.341	3	8.145	0	2257	41	3.1
3328.2	10000	38.2005	94.9873	-279	PKC	3.8	1	8.0	-2	0.8	-2	0.393	1	4.599	3	8.146	0	2256	51	3.1
3328.1	10000	38.2005	94.9865	-282	PKC	3.8	1	8.0	-2	0.8	-2	0.392	1	4.789	3	8.654	0	2236	46	3.1
3328.0	10000	38.2005	94.9858	-285	PKC	3.8	1	8.0	-2	0.8	-2	0.411	1	4.891	3	8.471	0	2228	39	3.1
3327.9	10000	38.2005	94.9850	-288	PKC	3.8	1	8.0	-2	0.8	-2	0.375	1	4.445	3	8.188	0	2240	41	3.1
3327.8	10000	38.2005	94.9842	-291	PKC	3.8	1	8.0	-2	0.8	-2	0.395	1	4.534	3	8.942	0	2230	49	3.1
3327.7	10000	38.2005	94.9835	-294	PKC	3.8	1	8.0	-2	0.8	-2	0.418	1	4.713	3	8.878	0	2247	31	3.1
3327.6	10000	38.2005	94.9827	-298	PKC	3.8	1	8.0	-2	0.8	-2	0.426	1	4.594	3	8.429	0	2286	49	3.1
3327.5	10000	38.2005	94.9820	-302	PKC	3.8	1	8.0	-2	0.8	-2	0.408	1	4.472	3	8.515	0	2351	50	3.1

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3327.4	10000	38.2006	94.9812	-307	PKC	4.0	1	9.8	0	1.2	0	0.409	1	3.408	1	8.327	0	2386	43	3.1
3327.3	10000	38.2006	94.9804	-312	PKC	3.8	1	9.6	0	1.2	0	0.392	1	3.191	1	8.135	0	2391	46	3.1
3327.2	10000	38.2006	94.9797	-317	PKC	3.8	1	9.7	0	1.2	0	0.390	0	3.249	0	8.340	0	2367	39	3.1
3327.1	10000	38.2006	94.9789	-322	PKC	3.5	1	9.1	0	1.1	0	0.382	0	3.135	0	8.205	0	2330	45	3.1
3327.0	10000	38.2006	94.9781	-327	PKC	3.7	1	8.6	-1	1.1	0	0.430	1	3.453	1	8.033	0	2305	51	3.1
3326.9	10000	38.2006	94.9774	-333	PKC	3.9	1	8.6	-1	1.1	0	0.448	1	3.679	1	8.218	0	2280	49	3.1
3326.8	10000	38.2006	94.9766	-338	PKC	3.7	1	8.1	-1	1.0	-1	0.457	1	3.753	1	8.219	0	2251	51	3.1
3326.7	10000	38.2006	94.9759	-343	PKC	3.9	1	8.0	-1	1.0	-1	0.489	2	3.828	1	7.834	0	2253	41	3.1
3326.6	10000	38.2006	94.9751	-347	PKC	4.0	1	8.1	-1	1.0	-1	0.500	2	3.964	1	7.932	0	2260	51	3.2
3326.5	10000	38.2006	94.9743	-351	PKC	4.4	2	7.8	-1	1.1	0	0.563	3	4.039	2	7.171	-1	2295	37	3.2
3326.4	10000	38.2006	94.9736	-355	PKC	4.6	2	8.2	-1	1.1	0	0.567	3	4.142	2	7.308	-1	2344	45	3.2
3326.3	10000	38.2006	94.9728	-358	PKC	4.5	2	8.9	0	1.2	0	0.502	2	3.866	1	7.706	0	2366	60	3.2
3326.2	10000	38.2006	94.9721	-362	PKC	4.4	2	9.0	0	1.2	0	0.481	2	3.763	1	7.822	0	2377	38	3.2
3326.1	10000	38.2006	94.9713	-364	PKC	4.2	2	9.3	0	1.2	0	0.448	1	3.489	1	7.792	0	2382	37	3.2
3326.0	10000	38.2006	94.9706	-367	PKC	3.9	1	9.1	0	1.2	0	0.427	1	3.266	1	7.649	-1	2375	42	3.2
3325.9	10000	38.2006	94.9698	-369	PKC	3.9	1	9.5	0	1.2	0	0.407	1	3.216	0	7.905	0	2348	43	3.2
3325.8	10000	38.2006	94.9690	-370	PKC	3.6	1	9.4	0	1.1	0	0.389	0	3.275	0	8.414	0	2305	53	3.2
3325.7	10000	38.2006	94.9683	-372	PKC	3.7	1	9.2	0	1.0	-1	0.402	1	3.575	1	8.897	0	2257	43	3.2
3325.6	10000	38.2006	94.9675	-374	PKC	3.8	1	8.8	0	1.0	-1	0.433	1	3.904	1	9.011	1	2218	29	3.2
3325.5	10000	38.2006	94.9667	-375	PKC	3.9	1	8.3	-1	1.0	-1	0.469	1	4.056	2	8.643	0	2190	48	3.2
3325.4	10000	38.2006	94.9660	-376	PKC	4.1	1	8.1	-1	0.9	-1	0.511	2	4.513	2	8.839	0	2154	52	3.2
3325.3	10000	38.2006	94.9652	-377	PKC	4.0	1	8.1	-1	0.8	-2	0.490	2	4.733	3	9.650	1	2129	47	3.2
3325.2	10000	38.2006	94.9645	-378	PKC	4.0	1	7.7	-1	0.8	-2	0.522	2	4.957	3	9.505	1	2118	38	3.2
3325.1	10000	38.2006	94.9637	-379	PKC	4.2	2	8.0	-1	0.8	-2	0.527	2	5.217	3	9.899	1	2124	49	3.2
3325.0	10000	38.2006	94.9629	-380	PKC	4.0	2	7.7	-1	0.9	-2	0.524	2	4.734	3	9.031	1	2137	37	3.2
3324.9	10000	38.2007	94.9622	-381	PKC	4.0	1	7.5	-1	0.9	-2	0.529	2	4.453	2	8.420	0	2152	39	3.2
3324.8	10000	38.2007	94.9614	-382	PKC	4.0	1	7.7	-1	0.9	-2	0.471	2	3.862	2	8.193	0	2170	47	3.2
3324.7	10000	38.2007	94.9606	-384	PKC	4.0	1	7.3	-1	0.9	-2	0.405	1	3.442	1	8.506	0	2196	60	3.2
3324.6	10000	38.2007	94.9599	-386	PKC	4.0	1	7.4	-1	0.9	-2	0.450	1	3.694	1	8.207	0	2230	43	3.2
3324.5	10000	38.2007	94.9591	-388	PKC	4.0	1	6.9	-1	0.9	-2	0.451	1	3.574	1	7.921	0	2286	40	3.2
3324.4	10000	38.2007	94.9584	-390	PKC	4.0	1	6.9	-1	0.9	-2	0.438	1	3.595	1	8.211	0	2326	51	3.2
3324.3	10000	38.2007	94.9576	-392	PKC	4.0	1	6.9	-1	0.9	-2	0.462	1	4.107	1	8.883	0	2365	46	3.2
3324.2	10000	38.2007	94.9568	-393	PKC	4.0	1	6.4	-1	0.9	-2	0.480	1	4.323	1	9.013	0	2390	50	3.2
3324.1	10000	38.2007	94.9561	-395	PKC	4.0	1	6.4	-1	0.9	-2	0.513	2	4.655	2	9.075	0	2387	44	3.2
3324.0	10000	38.2007	94.9553	-398	PKC	4.3	2	6.8	-1	0.9	-2	0.625	2	5.203	2	9.330	0	2385	47	3.2
3323.9	10000	38.2007	94.9546	-402	PKC	4.5	2	8.2	-1	1.0	-1	0.664	3	5.448	3	9.203	0	2354	55	3.2
3323.8	10000	38.2007	94.9538	-406	PKC	4.5	2	8.2	-1	1.0	-1	0.671	3	5.876	3	8.763	0	2292	36	3.2
3323.7	10000	38.2007	94.9530	-409	PKC	4.5	2	8.5	0	1.0	-1	0.682	3	5.260	3	7.717	0	2239	47	3.2
3323.6	10000	38.2007	94.9523	-412	PKC	4.5	2	8.5	0	1.0	-1	0.623	3	4.812	2	7.720	0	2163	51	3.2
3323.5	10000	38.2007	94.9515	-416	PKC	4.2	2	8.4	0	1.0	-1	0.590	3	4.854	2	7.231	0	2130	46	3.2
3323.4	10000	38.2007	94.9508	-418	PKC	4.4	2	8.4	0	1.0	-1	0.605	3	5.626	3	7.298	0	2110	45	3.2
3323.3	10000	38.2007	94.9500	-421	PKC	4.4	2	8.2	0	1.0	-1	0.579	3	5.690	3	9.827	0	2096	52	3.2
3323.2	10000	38.2007	94.9492	-423	PKC	4.2	1	8.1	0	1.0	-1	0.529	3	5.266	3	9.960	0	2115	48	3.2
3323.1	10000	38.2007	94.9485	-425	PKC	4.1	1	8.1	0	1.0	-1	0.498	3	5.658	3	9.358	0	2160	40	3.2
3323.0	10000	38.2007	94.9477	-426	PKC	4.2	1	8.0	0	1.0	-1	0.462	2	4.945	3	10.702	1	2215	45	3.2
3322.9	10000	38.2007	94.9469	-428	PKC	4.2	1	8.0	0	1.0	-1	0.438	2	4.979	3	11.086	1	2283	52	3.2
3322.8	10000	38.2007	94.9462	-428	PKC	4.2	1	8.0	0	1.0	-1	0.455	2	5.568	3	11.757	1	2331	36	3.2
3322.7	10000	38.2007	94.9454	-429	PKC	4.2	1	8.0	0	1.0	-1	0.528	2	6.001	3	11.601	1	2394	46	3.2
3322.6	10000	38.2007	94.9447	-429	PKC	4.2	1	8.0	0	1.0	-1	0.602	2	6.485	3	11.426	1	2443	45	3.2
3322.5	10000	38.2007	94.9439	-429	PKC	4.2	1	8.0	0	1.0	-1	0.676	2	7.167	3	11.084	1	2483	41	3.2
3322.4	10000	38.2007	94.9431	-429	PKC	4.2	1	8.0	0	1.0	-1	0.680	2	7.335	3	11.048	1	2511	37	3.2
3322.3	10000	38.2008	94.9424	-428	PKC	4.0	1	8.0	0	1.0	-1	0.688	2	7.255	3	10.312	1	2540	51	3.2

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3322.2	10000	38.2008	94.9416	-427	PKC	4.1	1	12.3	2	1.3	1	0.332	0	3.127	0	9.431	1	2554	45	3.1
3322.1	10000	38.2008	94.9409	-426	PKC	4.2	2	11.5	2	1.4	1	0.367	0	3.114	0	8.480	0	2559	40	3.1
3322.0	10000	38.2008	94.9401	-425	PKC	4.3	2	11.2	1	1.4	1	0.386	0	3.164	0	8.200	0	2547	57	3.1
3321.9	10000	38.2008	94.9393	-423	PKC	4.6	2	10.8	1	1.4	2	0.426	1	3.270	0	7.683	-1	2546	49	3.1
3321.8	10000	38.2008	94.9386	-421	PKC	4.7	3	10.7	1	1.4	1	0.440	1	3.438	1	7.822	0	2532	41	3.1
3321.7	10000	38.2008	94.9378	-420	PKC	4.5	2	10.8	1	1.3	1	0.422	1	3.397	1	8.051	0	2517	39	3.1
3321.6	10000	38.2008	94.9371	-417	PKC	4.2	2	10.8	1	1.3	1	0.390	0	3.188	0	8.181	0	2493	41	3.1
3321.5	10000	38.2008	94.9363	-415	PKC	4.1	1	10.9	1	1.3	1	0.374	0	3.117	0	8.342	0	2493	51	3.1
3321.4	10000	38.2008	94.9355	-413	PKC	3.8	1	11.0	1	1.3	1	0.348	0	2.960	0	8.516	0	2489	44	3.1
3321.3	10000	38.2008	94.9348	-410	PKC	3.8	1	11.0	1	1.3	1	0.344	0	2.962	0	8.609	0	2505	47	3.1
3321.2	10000	38.2008	94.9340	-407	PKC	3.6	1	11.0	1	1.2	1	0.329	0	2.921	0	8.890	0	2503	42	3.1
3321.1	10000	38.2008	94.9332	-405	PKC	3.5	0	11.1	1	1.3	1	0.315	-1	2.762	0	8.774	0	2503	43	3.1
3321.0	10000	38.2008	94.9325	-403	PKC	3.5	0	11.2	1	1.3	1	0.315	-1	2.757	0	8.742	0	2489	38	3.1
3320.9	10000	38.2008	94.9317	-401	PKC	3.6	1	10.9	1	1.3	1	0.332	0	2.854	0	8.603	0	2485	32	3.1
3320.8	10000	38.2008	94.9310	-400	PKC	3.8	1	11.0	1	1.2	1	0.348	0	3.110	0	8.926	0	2472	36	3.1
3320.7	10000	38.2008	94.9302	-399	PKC	4.2	2	11.3	2	1.2	1	0.376	0	3.509	1	9.331	1	2502	44	3.1
3320.6	10000	38.2008	94.9294	-398	PKC	4.3	2	10.9	1	1.2	1	0.396	0	3.647	1	9.212	1	2492	52	3.1
3320.5	10000	38.2008	94.9287	-398	PKC	4.5	2	10.9	1	1.2	1	0.410	1	3.763	1	9.181	1	2500	51	3.1
3320.4	10000	38.2008	94.9279	-399	PKC	4.6	2	10.5	1	1.2	1	0.437	1	3.971	1	9.080	1	2513	47	3.1
3320.3	10000	38.2008	94.9272	-399	PKC	4.7	3	10.2	1	1.1	0	0.465	1	4.115	2	8.858	0	2515	47	3.1
3320.2	10000	38.2008	94.9264	-401	PKC	4.8	3	10.0	1	1.1	0	0.477	1	4.223	2	8.846	0	2478	48	3.1
3320.1	10000	38.2008	94.9256	-403	PKC	4.5	2	9.2	0	1.1	0	0.494	2	4.126	2	8.350	0	2438	37	3.1
3320.0	10000	38.2008	94.9249	-405	PKC	4.4	2	8.9	0	1.1	0	0.496	2	4.104	2	8.277	0	2368	57	3.1
3319.9	10000	38.2008	94.9241	-407	PKC	4.0	1	8.9	0	1.1	0	0.447	1	3.698	1	8.271	0	2325	48	3.1
3319.8	10000	38.2008	94.9234	-410	PKC	3.8	1	8.8	0	1.0	-1	0.437	1	3.780	1	8.650	0	2274	47	3.1
3319.7	10000	38.2008	94.9226	-413	PKC	3.7	1	8.8	0	1.0	-1	0.423	1	3.801	1	8.989	1	2233	36	3.1
3319.6	10000	38.2009	94.9218	-416	PKC	3.6	1	8.9	0	0.9	-1	0.402	1	3.857	1	9.588	1	2213	43	3.1
3319.5	10000	38.2009	94.9211	-420	PKC	3.6	0	10.1	0	0.9	-1	0.352	0	3.858	1	10.949	2	2246	51	3.1
3319.4	10000	38.2009	94.9203	-423	PKC	3.4	0	11.0	1	1.0	-1	0.313	-1	3.515	1	11.235	2	2286	34	3.1
3319.3	10000	38.2009	94.9195	-427	PKC	3.5	0	11.2	1	1.0	-1	0.314	-1	3.524	1	11.207	2	2328	51	3.1
3319.2	10000	38.2009	94.9188	-430	PKC	3.7	0	11.5	1	1.0	-1	0.334	-1	3.801	1	11.373	2	2384	43	3.1
3319.1	10000	38.2009	94.9180	-433	PKC	3.7	0	11.4	1	1.0	-1	0.310	-1	3.439	1	11.109	2	2435	34	3.1
3319.0	10000	38.2009	94.9173	-437	PKC	3.6	0	11.3	1	1.0	-1	0.281	-1	3.107	1	11.049	2	2478	46	3.1
3318.9	10000	38.2009	94.9165	-442	PKC	3.7	0	11.3	1	1.0	-1	0.280	-1	3.071	1	10.979	2	2520	47	3.1
3318.8	10000	38.2009	94.9157	-446	PKC	3.5	0	11.2	1	1.0	-1	0.266	-1	2.800	1	10.507	2	2550	50	3.1
3318.7	10000	38.2009	94.9150	-450	PKC	3.7	0	12.0	1	1.0	-1	0.289	-1	3.045	1	10.550	2	2584	45	3.1
3318.6	10000	38.2009	94.9142	-454	PKC	3.6	0	12.7	1	1.0	-1	0.275	-1	2.717	1	9.864	1	2613	58	3.1
3318.5	10000	38.2009	94.9135	-459	PKC	3.8	0	13.3	1	1.0	-1	0.294	-1	2.681	1	9.110	1	2621	36	3.1
3318.4	10000	38.2009	94.9127	-465	PKC	4.1	0	13.9	1	1.0	-1	0.329	-1	2.907	1	9.844	1	2637	55	3.1
3318.3	10000	38.2009	94.9119	-470	PKC	4.4	1	13.5	1	1.1	0	0.365	1	3.033	1	9.303	1	2658	55	3.1
3318.2	10000	38.2009	94.9112	-475	PKC	4.3	1	12.5	1	1.1	0	0.365	1	2.948	1	8.075	1	2655	55	3.1
3318.1	10000	38.2009	94.9104	-480	PKC	4.6	2	12.5	1	1.1	0	0.410	1	3.094	1	7.551	1	2649	51	3.1
3318.0	10000	38.2009	94.9097	-485	PKC	4.4	2	12.5	1	1.1	0	0.392	1	3.020	1	7.709	1	2627	47	3.1
3317.9	10000	38.2009	94.9089	-490	PKC	4.4	2	12.5	1	1.1	0	0.396	1	3.027	1	7.647	1	2595	46	3.1
3317.8	10000	38.2009	94.9081	-495	PKC	4.2	1	12.5	1	1.1	0	0.374	1	3.055	1	8.171	1	2574	43	3.1
3317.7	10000	38.2009	94.9074	-500	PKC	4.1	0	12.5	1	1.1	0	0.359	1	3.098	1	8.332	1	2551	36	3.1
3317.6	10000	38.2009	94.9066	-505	PKC	4.2	0	12.5	1	1.1	0	0.349	1	3.061	1	8.778	1	2526	41	3.1
3317.5	10000	38.2009	94.9058	-510	PKC	4.2	0	12.5	1	1.1	0	0.367	1	3.195	1	8.707	1	2518	47	3.1
3317.4	10000	38.2009	94.9051	-514	PKC	4.1	0	12.5	1	1.1	0	0.377	1	3.242	1	8.590	1	2498	51	3.1
3317.3	10000	38.2009	94.9043	-519	PKC	4.2	0	12.5	1	1.1	0	0.383	1	3.230	1	8.441	1	2482	57	3.1
3317.2	10000	38.2009	94.9036	-523	PKC	4.1	0	12.5	1	1.1	0	0.385	1	3.370	1	8.755	1	2461	43	3.1
3317.1	10000	38.2009	94.9028	-526	PKC	4.1	0	12.5	1	1.2	0	0.386	1	3.456	1	8.955	1	2429	54	3.0

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3317.0	10000	38.2009	94.9020	-530	PKC	4.3	2	10.0	1	1.1	0	0.431	1	4.013	1	9.306	1	2365	52	3.0
3316.9	10000	38.2008	94.9013	-533	PKC	4.4	2	9.1	0	1.0	-1	0.478	1	4.417	2	9.237	1	2283	47	2.9
3316.8	10000	38.2008	94.9005	-537	PKC	4.3	2	8.9	0	0.9	-1	0.484	2	4.646	2	9.596	1	2225	56	2.9
3316.7	10000	38.2008	94.8997	-540	PKC	4.3	2	8.6	-1	0.9	-2	0.496	2	4.909	3	9.902	1	2163	45	2.9
3316.6	10000	38.2008	94.8990	-542	PKC	4.3	2	7.8	-1	0.8	-2	0.545	2	5.187	3	9.520	1	2104	45	2.9
3316.5	10000	38.2008	94.8982	-545	PKC	4.4	2	7.2	-2	0.8	-2	0.617	3	5.731	4	9.286	1	2049	53	2.9
3316.4	10000	38.2008	94.8975	-547	PKC	4.6	2	6.8	-2	0.7	-2	0.681	4	6.411	5	9.415	1	2015	44	2.9
3316.3	10000	38.2008	94.8967	-550	PKC	4.4	2	6.7	-2	0.7	-2	0.655	4	5.923	4	9.045	1	2018	50	2.9
3316.2	10000	38.2007	94.8960	-552	PKC	4.6	2	7.0	-2	0.8	-2	0.655	4	5.748	4	8.773	0	2048	50	2.9
3316.1	10000	38.2007	94.8952	-554	PKC	4.5	2	6.6	-2	0.8	-2	0.692	4	5.943	4	8.593	0	2058	45	2.9
3316.0	10000	38.2007	94.8944	-556	PKC	4.6	2	6.7	-2	0.8	-2	0.690	4	5.843	4	8.470	0	2082	45	2.9
3315.9	10000	38.2007	94.8937	-557	PKC	4.7	3	6.8	-2	0.8	-2	0.691	4	5.728	4	8.284	0	2114	54	2.9
3315.8	10000	38.2007	94.8929	-558	PKC	4.5	2	7.1	-2	0.9	-2	0.633	3	5.233	3	8.265	0	2140	36	2.9
3315.7	10000	38.2007	94.8921	-560	PKC	4.3	2	7.1	-2	0.9	-1	0.600	3	4.773	3	7.957	0	2178	38	2.9
3315.6	10000	38.2007	94.8914	-561	PKC	4.2	2	7.6	-1	1.0	-1	0.559	2	4.464	2	7.981	0	2207	39	2.9
3315.5	10000	38.2006	94.8906	-562	PKC	4.1	2	7.9	-1	1.0	-1	0.519	2	4.106	2	7.906	0	2253	47	2.9
3315.4	10000	38.2006	94.8899	-563	PKC	4.2	2	9.1	0	1.1	0	0.464	1	3.847	1	8.293	0	2323	45	2.9
3315.3	10000	38.2006	94.8891	-564	PKC	4.2	2	9.5	0	1.1	0	0.444	1	3.704	1	8.344	0	2407	52	2.9
3315.2	10000	38.2006	94.8883	-565	PKC	4.6	3	10.3	1	1.1	0	0.451	1	4.049	2	8.983	1	2487	59	2.9
3315.1	10000	38.2006	94.8876	-566	PKC	4.8	3	11.2	2	1.2	0	0.425	1	4.061	2	9.551	1	2571	44	2.9
3315.0	10000	38.2006	94.8868	-567	PKC	5.0	3	11.3	2	1.3	0	0.442	1	3.925	1	8.889	0	2637	50	2.9
3314.9	10000	38.2006	94.8860	-568	PKC	5.1	3	11.6	2	1.3	0	0.435	1	3.907	1	8.978	1	2681	49	2.9
3314.8	10000	38.2005	94.8853	-569	PKC	5.2	3	11.8	2	1.3	0	0.440	1	4.045	2	9.198	1	2706	69	2.9
3314.7	10000	38.2005	94.8845	-570	PKC	5.4	3	11.4	2	1.3	0	0.470	1	4.112	2	8.740	0	2689	50	2.9
3314.6	10000	38.2005	94.8838	-572	PKC	5.4	3	10.9	2	1.2	0	0.491	2	4.281	2	8.711	0	2648	44	2.9
3314.5	10000	38.2005	94.8830	-573	PKC	5.0	3	10.2	1	1.2	0	0.489	2	4.119	2	8.421	0	2576	37	2.9
3314.4	10000	38.2005	94.8822	-575	PKC	5.0	3	9.0	0	1.1	0	0.555	2	4.161	2	7.492	-1	2508	49	2.9
3314.3	10000	38.2005	94.8815	-576	PKC	4.9	3	8.6	-1	1.1	0	0.568	2	4.408	3	7.762	0	2416	47	2.9
3314.2	10000	38.2005	94.8807	-578	PKC	4.8	3	8.0	-1	1.1	0	0.596	3	4.515	3	7.575	-1	2368	57	2.9
3314.1	10000	38.2004	94.8800	-580	PKC	4.6	3	7.7	-2	1.1	0	0.630	3	4.394	3	6.972	-1	2311	46	2.9
3314.0	10000	38.2004	94.8792	-582	PKC	4.5	3	7.0	-2	1.1	0	0.651	3	4.441	3	6.818	-1	2274	42	2.9
3313.9	10000	38.2004	94.8784	-584	PKC	4.6	3	6.6	-2	1.1	0	0.676	3	4.560	3	6.750	-1	2238	53	2.9
3313.8	10000	38.2004	94.8777	-586	PKC	4.5	3	6.5	-2	1.1	0	0.636	3	4.394	3	6.904	-1	2232	47	2.9
3313.7	10000	38.2004	94.8769	-588	PKC	4.5	3	6.5	-2	1.1	0	0.646	3	4.533	3	7.018	-1	2232	50	2.9
3313.6	10000	38.2003	94.8762	-590	PKC	4.5	3	6.8	-2	1.1	0	0.671	3	4.813	4	7.170	-1	2269	48	2.9
3313.5	10000	38.2003	94.8754	-592	PKC	4.3	3	6.4	-2	1.1	0	0.638	3	4.705	4	7.378	-1	2277	52	2.9
3313.4	10000	38.2003	94.8746	-595	PKC	4.3	3	6.5	-2	1.1	0	0.613	3	4.671	4	7.618	-1	2285	49	2.9
3313.3	10000	38.2003	94.8739	-598	PKC	4.2	3	6.5	-2	1.1	0	0.604	3	4.649	4	7.694	-1	2301	41	2.9
3313.2	10000	38.2003	94.8731	-600	PKC	4.2	3	6.5	-2	1.1	0	0.593	3	4.468	4	7.532	-1	2306	47	2.9
3313.1	10000	38.2003	94.8723	-603	PKC	4.2	3	6.5	-2	1.1	0	0.632	3	4.507	4	7.134	-1	2315	58	2.9
3313.0	10000	38.2003	94.8716	-607	PKC	4.2	3	6.5	-2	1.1	0	0.659	3	4.866	4	7.387	-1	2327	36	2.9
3312.9	10000	38.2002	94.8708	-610	PKC	4.2	3	6.5	-2	1.1	0	0.624	3	4.779	4	7.653	-1	2327	41	2.9
3312.8	10000	38.2002	94.8701	-612	PKC	4.2	3	6.5	-2	1.1	0	0.662	3	4.781	4	7.816	-1	2326	49	2.9
3312.7	10000	38.2002	94.8693	-616	PKC	4.2	3	6.5	-2	1.1	0	0.697	3	4.783	4	7.972	-1	2293	52	2.9
3312.6	10000	38.2002	94.8685	-619	PKC	4.2	3	6.5	-2	1.1	0	0.729	3	4.553	4	7.009	0	2269	45	2.9
3312.5	10000	38.2002	94.8678	-621	PKC	4.2	3	6.5	-2	1.1	0	0.743	3	4.536	4	7.036	0	2209	43	2.9
3312.4	10000	38.2002	94.8670	-625	PKC	4.2	3	6.5	-2	1.1	0	0.763	3	4.533	4	7.046	0	2172	38	2.9
3312.3	10000	38.2001	94.8663	-628	PKC	4.2	3	6.5	-2	1.1	0	0.769	3	4.543	4	7.061	0	2130	43	2.9
3312.2	10000	38.2001	94.8655	-632	PKC	4.2	3	6.5	-2	1.1	0	0.756	3	4.539	4	7.054	0	2093	38	2.9
3312.1	10000	38.2001	94.8647	-635	PKC	4.2	3	6.5	-2	1.1	0	0.721	3	4.539	4	7.054	0	2131	46	2.9
3312.0	10000	38.2001	94.8640	-638	PKC	4.2	3	6.5	-2	1.1	0	0.670	3	4.539	4	7.054	0	2196	55	2.9
3311.9	10000	38.2001	94.8632	-642	PKC	4.3	3	6.5	-2	1.1	0	0.584	3	4.539	4	7.054	0	2196	55	2.9

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
3311.8	10000	38.2001	94.8624	-645	PKC	4.6	2	8.0	-1	0.9	-1	0.583	3	5.282	3	9.056	1	2273	38	3.0
3311.7	10000	38.2001	94.8617	-648	PKC	4.5	2	8.2	-1	0.9	-1	0.543	3	4.843	3	8.916	0	2331	53	3.0
3311.6	10000	38.2001	94.8609	-652	PKC	4.4	2	9.1	0	1.0	-1	0.481	2	4.487	2	9.332	1	2395	50	3.0
3311.5	10000	38.2001	94.8602	-656	PKC	4.1	1	9.5	0	1.0	-1	0.433	2	4.042	2	9.342	1	2419	44	3.0
3311.4	10000	38.2000	94.8594	-659	PKC	4.3	2	9.5	0	1.0	-1	0.447	2	4.174	2	9.335	1	2424	42	3.0
3311.3	10000	38.2000	94.8586	-663	PKC	4.3	2	9.2	0	1.0	-1	0.472	2	4.355	2	9.234	1	2396	56	3.0
3311.2	10000	38.2000	94.8579	-666	PKC	4.3	2	8.4	-1	0.9	-1	0.513	3	4.752	3	9.265	1	2334	54	3.0
3311.1	10000	38.2000	94.8571	-669	PKC	4.3	2	8.4	-1	0.9	-2	0.510	3	5.024	3	9.846	1	2272	37	3.0
3311.0	10000	38.2000	94.8564	-673	PKC	4.2	2	8.4	-1	0.8	-2	0.499	3	5.057	3	10.129	1	2218	52	3.0
3310.9	10000	38.2000	94.8556	-677	PKC	4.4	2	7.4	-2	0.8	-2	0.601	3	5.785	4	9.631	1	2168	42	3.0
3310.8	10000	38.2000	94.8548	-680	PKC	4.6	2	7.1	-2	0.7	-2	0.655	4	6.304	5	9.629	1	2170	37	3.0
3310.7	10000	38.1999	94.8541	-683	PKC	4.4	2	7.2	-2	0.8	-2	0.619	3	5.896	4	9.520	1	2178	61	3.0
3310.6	10000	38.1999	94.8533	-687	PKC	4.2	2	7.6	-1	0.8	-2	0.550	3	5.286	4	9.611	1	2212	49	3.0
3310.5	10000	38.1999	94.8526	-691	PKC	4.4	2	8.5	-1	0.9	-1	0.517	2	5.044	3	9.747	1	2275	42	3.0
3310.4	10000	38.1999	94.8518	-694	PKC	4.1	2	9.3	0	0.9	-1	0.436	1	4.438	3	10.180	1	2319	32	3.0
3310.3	10000	38.1999	94.8510	-697	PKC	4.5	2	9.7	0	0.9	-1	0.460	1	4.847	3	10.525	2	2373	46	3.0
3310.2	10000	38.1999	94.8503	-700	PKC	4.7	2	10.0	1	1.0	-1	0.465	1	4.848	3	10.424	2	2404	53	3.0
3310.1	10000	38.1999	94.8495	-704	PKC	4.6	2	10.7	1	1.0	-1	0.424	1	4.742	3	11.182	2	2428	45	3.0
3310.0	10000	38.1998	94.8487	-707	PKC	4.8	2	10.8	1	1.0	-1	0.440	1	4.866	3	11.059	2	2438	53	3.0
3309.9	10000	38.1998	94.8480	-710	PKC	5.3	2	10.7	1	1.0	-1	0.490	2	5.252	3	10.721	2	2465	28	3.0
3309.8	10000	38.1998	94.8472	-713	PKC	5.2	2	10.6	1	1.0	-1	0.492	2	5.294	3	10.770	2	2480	43	3.0
3309.7	10000	38.1998	94.8465	-716	PKC	5.4	2	10.3	1	1.0	-1	0.530	2	5.487	3	10.353	2	2493	40	3.0
3309.6	10000	38.1998	94.8457	-719	PKC	5.3	2	10.4	1	1.0	-1	0.507	2	5.194	3	10.250	2	2511	55	3.0
3309.5	10000	38.1998	94.8449	-722	PKC	5.0	2	10.7	1	1.0	-1	0.466	1	4.927	3	10.565	2	2538	50	3.0
3309.4	10000	38.1998	94.8442	-725	PKC	5.0	2	10.7	1	1.0	-1	0.472	1	5.004	3	10.599	2	2550	40	3.0
3309.3	10000	38.1997	94.8434	-728	PKC	4.9	2	11.0	1	1.0	-1	0.450	1	4.846	3	10.758	2	2554	54	3.0
3309.2	10000	38.1997	94.8427	-731	PKC	4.7	2	11.1	1	1.0	-1	0.423	1	4.901	3	11.583	3	2534	40	3.1
3309.1	10000	38.1997	94.8419	-733	PKC	5.0	2	10.9	1	1.0	-1	0.456	1	4.931	3	10.815	2	2529	41	3.1
3309.0	10000	38.1997	94.8411	-736	PKC	5.2	2	11.1	1	1.0	-1	0.468	1	5.207	3	11.114	2	2540	42	3.1
3308.9	10000	38.1997	94.8404	-738	PKC	5.3	2	10.1	1	1.0	-1	0.523	1	5.548	4	11.019	2	2520	42	3.1
3308.8	10000	38.1997	94.8396	-740	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	5.955	4	10.841	2	2502	45	3.1
3308.7	10000	38.1997	94.8389	-742	PKC	5.6	2	9.9	1	1.0	-1	0.565	2	6.252	4	10.458	2	2490	38	3.1
3308.6	10000	38.1996	94.8381	-744	PKC	5.8	2	10.0	1	1.0	-1	0.582	2	6.858	4	10.233	2	2488	53	3.1
5455.1	10000	38.1986	94.8374	-769	PKC	5.5	2	10.0	1	1.0	-1	0.550	2	6.901	4	10.028	2	2226	52	3.1
5455.0	10000	38.1986	94.8366	-771	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	6.081	4	9.281	2	2207	39	3.1
5454.9	10000	38.1986	94.8358	-772	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	6.169	4	9.596	2	2211	32	3.1
5454.8	10000	38.1985	94.8351	-773	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	6.205	4	9.934	2	2196	45	3.1
5454.7	10000	38.1985	94.8343	-774	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	6.144	4	10.107	2	2160	38	3.1
5454.6	10000	38.1985	94.8335	-776	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	6.107	4	10.037	2	2131	44	3.1
5454.5	10000	38.1984	94.8327	-777	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	6.364	4	10.552	2	2091	45	3.1
5454.4	10000	38.1984	94.8320	-777	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	6.070	4	10.438	2	2084	38	3.1
5454.3	10000	38.1984	94.8312	-778	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	5.986	4	10.887	2	2083	53	3.1
5454.2	10000	38.1984	94.8304	-778	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	5.996	4	10.257	2	2069	39	3.1
5454.1	10000	38.1984	94.8296	-778	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	5.914	4	10.686	2	2076	52	3.1
5454.0	10000	38.1984	94.8289	-777	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	5.907	4	10.598	2	2079	45	3.1
5453.9	10000	38.1983	94.8281	-777	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	5.912	4	10.510	2	2059	45	3.1
5453.8	10000	38.1983	94.8273	-775	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	5.947	4	10.407	2	2040	44	3.1
5453.7	10000	38.1983	94.8265	-775	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	5.930	4	10.713	2	2002	27	3.1
5453.6	10000	38.1982	94.8258	-774	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	5.941	4	10.639	2	1963	31	3.1
5453.5	10000	38.1982	94.8250	-771	PKC	5.5	2	9.9	1	1.0	-1	0.555	2	5.777	4	10.397	2	1892	28	3.1
5453.4	10000	38.1982	94.8242	-770	PP	5.5	2	9.9	1	1.0	-1	0.555	2	5.810	4	10.463	2	1841	84	3.1
5453.3	10000	38.1982	94.8234	-767	PP	5.5	2	9.9	1	1.0	-1	0.555	2	5.709	4	10.281	2	1844	39	3.1

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5453.2	10000	38.1982	94.8227	-765	PP	3.2	0	8.2	-1	1.0	-1	0.385	0	3.280	0	8.511	0	1829	55	1.4
5453.1	10000	38.1982	94.8219	-762	PP	3.0	0	8.3	-1	1.0	-1	0.365	0	3.111	0	8.513	0	1817	49	1.4
5453.0	10000	38.1982	94.8211	-759	PP	3.1	0	8.6	0	1.0	-1	0.363	0	3.282	0	9.046	1	1822	37	1.4
5452.9	10000	38.1981	94.8204	-756	PP	3.1	0	9.0	0	0.9	-1	0.348	0	3.360	0	9.659	1	1817	36	1.4
5452.8	10000	38.1981	94.8196	-752	PP	2.9	-1	9.5	0	1.0	-1	0.309	-1	3.061	0	9.913	1	1814	50	1.4
5452.7	10000	38.1981	94.8188	-748	PP	2.9	-1	9.7	1	0.9	-1	0.297	-1	3.085	0	10.374	2	1824	54	1.4
5452.6	10000	38.1981	94.8180	-744	PP	3.1	0	10.3	1	0.9	-1	0.305	-1	3.477	1	11.415	2	1849	51	1.4
5452.5	10000	38.1981	94.8173	-741	PP	3.3	0	10.5	1	0.9	-1	0.312	-1	3.786	1	12.116	3	1880	54	1.4
5452.4	10000	38.1980	94.8165	-737	PP	3.5	0	10.5	1	0.9	-2	0.331	0	4.071	1	12.304	3	1912	41	1.4
5452.3	10000	38.1980	94.8157	-734	PP	3.5	0	10.4	1	0.9	-1	0.334	0	3.961	1	11.852	3	1926	42	1.4
5452.2	10000	38.1980	94.8149	-731	PP	3.7	1	10.3	1	0.9	-1	0.358	0	4.021	1	11.244	2	1956	54	1.4
5452.1	10000	38.1980	94.8142	-729	PP	3.9	1	10.1	1	0.9	-1	0.389	0	4.453	2	11.446	2	1974	45	1.4
5452.0	10000	38.1979	94.8134	-727	PP	4.0	1	9.7	1	0.9	-1	0.413	0	4.470	2	10.814	2	1996	54	1.4
5451.9	10000	38.1979	94.8126	-724	PP	3.9	1	10.0	1	0.9	-1	0.390	0	4.138	2	10.597	2	2027	49	1.4
5451.8	10000	38.1979	94.8118	-720	PP	3.8	1	9.7	1	1.0	-1	0.390	0	3.865	1	9.906	1	2045	52	1.4
5451.7	10000	38.1979	94.8111	-717	PP	3.8	1	10.2	1	1.0	-1	0.373	0	3.789	1	10.162	1	2073	59	1.4
5451.6	10000	38.1979	94.8103	-713	PP	4.0	1	10.7	1	1.0	-1	0.371	0	3.901	1	10.525	2	2111	48	1.4
5451.5	10000	38.1978	94.8095	-708	PP	4.0	1	10.8	1	1.0	-1	0.370	0	3.890	1	10.507	2	2137	45	1.4
5451.4	10000	38.1978	94.8087	-704	PP	4.0	1	11.3	2	1.1	0	0.356	0	3.801	1	10.676	2	2157	45	1.4
5451.3	10000	38.1978	94.8080	-699	PP	4.0	1	11.6	2	1.0	0	0.345	0	3.857	1	11.180	2	2138	39	1.4
5451.2	10000	38.1978	94.8072	-695	PP	4.1	2	11.1	2	1.0	-1	0.369	0	4.009	1	10.874	2	2112	51	1.4
5451.1	10000	38.1977	94.8064	-691	PP	4.3	2	11.3	2	1.0	0	0.375	0	4.102	1	10.927	2	2099	44	1.4
5451.0	10000	38.1977	94.8056	-686	PP	4.0	1	11.3	2	1.0	-1	0.355	0	3.959	1	11.158	2	2064	43	1.4
5450.9	10000	38.1977	94.8049	-682	PP	3.6	1	10.9	1	1.0	-1	0.332	0	3.724	1	11.217	2	2023	44	1.4
5450.8	10000	38.1977	94.8041	-677	PP	3.6	1	11.1	2	0.9	-1	0.321	-1	3.801	1	11.855	3	2004	43	1.4
5450.7	10000	38.1977	94.8033	-673	PP	3.5	0	11.1	2	1.0	-1	0.314	-1	3.627	1	11.560	2	1994	44	1.4
5450.6	10000	38.1976	94.8026	-669	PP	3.4	0	10.9	2	1.0	-1	0.312	-1	3.421	1	11.508	2	1997	30	1.4
5450.5	10000	38.1976	94.8018	-664	PP	3.3	0	10.7	2	1.0	-1	0.309	-1	3.109	1	11.418	2	1983	56	1.4
5450.4	10000	38.1976	94.8010	-659	PP	3.3	0	10.6	2	1.0	-1	0.311	-1	3.028	1	11.174	2	1975	41	1.4
5450.3	10000	38.1976	94.8002	-656	PP	3.3	0	10.6	2	1.0	-1	0.311	-1	3.104	1	11.517	2	1979	54	1.4
5450.2	10000	38.1975	94.7995	-653	PP	3.3	0	10.6	2	1.0	-1	0.311	-1	3.318	1	12.038	3	1975	37	1.4
5450.1	10000	38.1975	94.7987	-650	QAL	3.2	0	10.4	2	1.0	-1	0.308	-1	3.868	1	13.816	3	1953	43	1.4
5450.0	10000	38.1975	94.7979	-647	QAL	3.1	0	10.2	2	1.0	-1	0.304	-1	3.768	1	13.491	3	1926	43	1.4
5449.9	10000	38.1975	94.7971	-645	QAL	3.0	0	10.0	2	1.0	-1	0.300	-1	3.853	1	13.248	3	1902	44	1.4
5449.8	10000	38.1975	94.7964	-643	QAL	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.235	3	1885	53	1.4
5449.7	10000	38.1974	94.7956	-642	QAL	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.274	3	1869	41	1.4
5449.6	10000	38.1974	94.7948	-641	QAL	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.242	3	1844	35	1.4
5449.5	10000	38.1974	94.7940	-641	QAL	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.230	3	1805	40	1.4
5449.4	10000	38.1974	94.7933	-641	QAL	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.103	3	1789	56	1.4
5449.3	10000	38.1974	94.7925	-642	QAL	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.079	3	1783	39	1.4
5449.2	10000	38.1973	94.7917	-643	QAL	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.077	3	1782	45	1.4
5449.1	10000	38.1973	94.7909	-644	QAL	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.043	3	1802	45	1.4
5449.0	10000	38.1973	94.7901	-646	QAL	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.110	3	1811	51	1.4
5448.9	10000	38.1973	94.7894	-647	QAL	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.131	3	1820	45	1.4
5448.8	10000	38.1973	94.7886	-648	QAL	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.131	3	1854	52	1.4
5448.7	10000	38.1973	94.7878	-649	QAL	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.131	3	1869	30	1.4
5448.6	10000	38.1974	94.7870	-649	PP	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.131	3	1890	88	1.4
5448.5	10000	38.1974	94.7862	-648	PP	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.131	3	1909	98	1.4
5448.4	10000	38.1974	94.7854	-647	PP	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.131	3	1913	91	1.4
5448.3	10000	38.1974	94.7846	-645	PP	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.131	3	1932	89	1.4
5448.2	10000	38.1974	94.7838	-644	PP	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.131	3	1981	91	1.4
5448.1	10000	38.1974	94.7830	-643	PP	2.9	0	9.8	2	1.0	-1	0.296	-1	3.809	1	13.131	3	2033	47	1.4

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5448.0	10000	38.1974	94.7822	-641	PP	4.3	2	8.4	-1	1.1	0	0.506	1	4.005	1	7.919	0	2089	47	1.5
5447.9	10000	38.1974	94.7814	-639	PKC	4.5	2	8.9	0	1.1	0	0.500	2	4.109	2	8.214	0	2138	49	1.5
5447.8	10000	38.1974	94.7806	-637	PKC	4.5	2	9.2	0	1.1	0	0.491	2	4.132	2	8.420	0	2203	41	1.5
5447.7	10000	38.1974	94.7798	-636	PKC	4.9	3	9.8	0	1.1	0	0.498	2	4.333	2	8.694	0	2261	53	1.5
5447.6	10000	38.1974	94.7790	-633	PKC	5.1	3	9.8	0	1.1	0	0.524	2	4.603	2	8.784	0	2296	46	1.5
5447.5	10000	38.1974	94.7782	-631	PKC	5.1	3	10.0	0	1.2	0	0.507	2	4.371	2	8.616	0	2336	50	1.5
5447.4	10000	38.1974	94.7774	-629	PKC	5.3	4	10.0	1	1.2	0	0.527	2	4.485	2	8.514	0	2367	40	1.5
5447.3	10000	38.1974	94.7766	-627	PKC	5.4	4	10.1	1	1.2	1	0.537	2	4.355	2	8.109	0	2392	44	1.5
5447.2	10000	38.1974	94.7758	-624	PKC	5.5	4	10.0	1	1.3	1	0.550	2	4.315	2	7.842	0	2415	42	1.5
5447.1	10000	38.1974	94.7750	-622	PKC	5.4	4	10.2	1	1.3	1	0.531	2	4.070	2	7.659	-1	2437	39	1.5
5447.0	10000	38.1975	94.7742	-621	PKC	5.2	3	10.0	1	1.4	2	0.519	2	3.649	1	7.036	-1	2466	52	1.5
5446.9	10000	38.1975	94.7734	-618	PKC	5.1	3	10.5	1	1.5	2	0.485	2	3.495	1	7.209	-1	2491	62	1.5
5446.8	10000	38.1975	94.7726	-617	PKC	4.8	3	11.1	1	1.4	2	0.463	2	3.621	1	7.823	0	2479	48	1.5
5446.7	10000	38.1975	94.7718	-615	PKC	4.4	3	11.4	2	1.5	2	0.422	1	3.265	1	7.744	0	2483	51	1.5
5446.6	10000	38.1975	94.7710	-614	PKC	4.2	2	11.6	2	1.5	2	0.376	0	2.941	0	7.830	0	2480	39	1.5
5446.5	10000	38.1975	94.7702	-613	PKC	3.9	2	11.7	2	1.5	2	0.362	0	2.836	0	7.830	0	2473	48	1.5
5446.4	10000	38.1975	94.7694	-611	PKC	4.1	1	11.5	2	1.5	2	0.340	0	2.651	0	7.805	0	2437	50	1.5
5446.3	10000	38.1975	94.7686	-610	PKC	3.9	1	11.9	2	1.4	2	0.346	0	2.878	0	8.330	0	2411	43	1.5
5446.2	10000	38.1975	94.7679	-610	PKC	3.8	1	11.3	2	1.4	2	0.347	0	2.826	0	8.134	0	2388	50	1.5
5446.1	10000	38.1975	94.7671	-608	PKC	3.9	1	11.3	2	1.4	2	0.340	0	2.667	0	7.843	0	2391	47	1.5
5446.0	10000	38.1975	94.7663	-607	PKC	4.1	1	11.0	1	1.4	1	0.354	0	2.807	0	7.929	0	2356	57	1.5
5445.9	10000	38.1975	94.7655	-606	PKC	4.1	1	10.3	1	1.4	1	0.396	0	2.930	0	7.399	-1	2323	43	1.5
5445.8	10000	38.1975	94.7647	-604	PKC	4.2	2	9.9	1	1.4	1	0.425	1	3.099	0	7.293	-1	2280	45	1.5
5445.7	10000	38.1975	94.7639	-603	PKC	4.5	2	9.3	0	1.3	1	0.483	2	3.552	1	7.353	-1	2227	41	1.5
5445.6	10000	38.1975	94.7631	-602	PKC	4.3	2	8.6	-1	1.2	1	0.494	2	3.516	1	7.112	-1	2150	49	1.5
5445.5	10000	38.1976	94.7623	-601	PKC	4.0	2	8.2	-1	1.1	1	0.488	2	3.563	1	7.302	-1	2070	54	1.5
5445.4	10000	38.1976	94.7615	-600	PKC	4.0	2	8.2	-1	1.1	1	0.488	2	3.563	1	7.302	-1	2070	54	1.5
5445.3	10000	38.1976	94.7607	-599	PKC	4.2	3	8.3	-1	1.1	1	0.504	2	3.813	1	7.539	-1	1995	40	1.5
5445.2	10000	38.1976	94.7599	-598	PKC	4.3	3	8.4	-1	1.1	1	0.512	2	3.990	1	7.349	-1	1948	43	1.5
5445.1	10000	38.1976	94.7591	-598	PKC	4.0	3	8.4	-1	1.1	1	0.476	2	3.351	1	7.382	-1	1931	54	1.5
5445.0	10000	38.1976	94.7583	-597	PKC	3.9	3	8.4	-1	1.1	1	0.464	2	3.790	1	8.116	-1	1909	51	1.5
5444.9	10000	38.1976	94.7575	-597	PKC	3.8	3	8.4	-1	1.1	1	0.452	2	3.529	1	8.055	-1	1914	40	1.5
5444.8	10000	38.1976	94.7567	-596	PKC	4.4	3	8.4	-1	1.1	1	0.524	2	4.321	2	8.472	-1	1922	37	1.5
5444.7	10000	38.1976	94.7559	-596	PKC	4.6	3	8.4	-1	1.1	1	0.548	2	4.344	2	8.905	-1	1947	58	1.5
5444.6	10000	38.1976	94.7551	-596	PKC	4.6	3	8.4	-1	1.1	1	0.548	2	4.974	2	9.051	-1	1960	55	1.5
5444.5	10000	38.1976	94.7543	-595	PKC	4.5	3	8.4	-1	1.1	1	0.536	2	4.048	2	9.062	-1	1966	47	1.5
5444.4	10000	38.1976	94.7535	-595	PKC	4.4	3	8.4	-1	1.1	1	0.524	2	4.041	2	8.899	-1	1966	47	1.5
5444.3	10000	38.1976	94.7527	-595	PKC	4.4	3	8.4	-1	1.1	1	0.524	2	4.751	2	8.823	-1	1992	38	1.5
5444.2	10000	38.1976	94.7519	-594	PKC	4.6	3	8.4	-1	1.1	1	0.548	2	4.890	2	9.308	-1	2044	45	1.5
5444.1	10000	38.1976	94.7511	-594	PKC	4.2	3	8.4	-1	1.1	1	0.500	2	4.957	2	9.495	-1	2100	54	1.5
5444.0	10000	38.1977	94.7503	-595	PKC	4.2	3	8.4	-1	1.1	1	0.500	2	5.206	2	9.411	-1	2179	40	1.5
5443.9	10000	38.1977	94.7495	-595	PKC	4.1	3	8.4	-1	1.1	1	0.488	2	5.434	2	10.377	-1	2262	43	1.5
5443.8	10000	38.1977	94.7487	-596	PKC	4.2	3	8.4	-1	1.1	1	0.500	2	5.156	2	10.641	-1	2344	54	1.5
5443.7	10000	38.1977	94.7479	-597	PKC	4.6	3	8.4	-1	1.1	1	0.548	2	5.935	2	10.731	-1	2401	40	1.5
5443.6	10000	38.1977	94.7471	-596	PKC	4.8	3	8.4	-1	1.1	1	0.572	2	6.827	2	10.701	-1	2430	58	1.5
5443.5	10000	38.1977	94.7464	-599	PKC	5.0	3	8.4	-1	1.1	1	0.596	2	6.891	2	10.077	-1	2412	54	1.5
5443.4	10000	38.1977	94.7456	-601	PKC	5.0	3	8.4	-1	1.1	1	0.596	2	7.118	2	10.670	-1	2377	40	1.5
5443.3	10000	38.1977	94.7448	-603	PKC	5.0	3	8.4	-1	1.1	1	0.596	2	7.214	2	10.825	-1	2292	58	1.5
5443.2	10000	38.1977	94.7440	-604	PKC	4.6	3	8.4	-1	1.1	1	0.548	2	7.357	2	10.275	-1	2202	45	1.5
5443.1	10000	38.1977	94.7432	-606	PKC	4.4	3	8.4	-1	1.1	1	0.524	2	7.422	2	10.471	-1	2106	50	1.5
5443.0	10000	38.1977	94.7424	-607	PKC	4.3	3	8.4	-1	1.1	1	0.512	2	7.274	2	10.487	-1	2022	41	1.5
5442.9	10000	38.1977	94.7416	-608	PKC	4.0	3	8.4	-1	1.1	1	0.476	2	7.321	2	10.281	-1	1940	45	1.5
														7.489		10.726		1878	50	1.5
														7.202		10.740				

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5442.8	10000	38.1977	94.7408	-610	PP	3.5	0	7.1	-2	1.0	-1	0.496	1	3.684	1	7.432	-1	1820	46	1.4
5442.7	10000	38.1977	94.7400	-611	PP	3.5	0	7.1	-2	1.0	-1	0.495	1	3.667	1	7.401	-1	1790	48	1.4
5442.6	10000	38.1977	94.7392	-613	PP	3.2	0	7.2	-1	1.0	-1	0.445	1	3.303	0	7.427	-1	1772	53	1.4
5442.5	10000	38.1977	94.7384	-615	PP	3.2	0	7.1	-2	0.9	-1	0.443	1	3.414	1	7.703	0	1738	43	1.4
5442.4	10000	38.1978	94.7376	-616	PP	3.4	0	7.2	-2	0.9	-1	0.471	1	3.881	1	8.231	0	1716	54	1.4
5442.3	10000	38.1978	94.7368	-617	PP	3.2	0	6.9	-2	0.8	-2	0.470	1	3.857	1	8.210	0	1692	36	1.4
5442.2	10000	38.1978	94.7360	-618	PP	3.2	0	6.8	-2	0.8	-2	0.471	1	3.893	1	8.260	0	1659	40	1.4
5442.1	10000	38.1978	94.7352	-619	PP	3.3	0	6.7	-2	0.8	-2	0.482	1	4.129	2	8.561	0	1642	43	1.4
5442.0	10000	38.1978	94.7344	-621	PP	3.3	0	6.8	-2	0.7	-2	0.475	1	4.328	2	9.110	1	1609	47	1.4
5441.9	10000	38.1978	94.7336	-622	PP	3.3	0	6.5	-2	0.7	-2	0.499	1	4.605	2	9.222	1	1579	40	1.4
5441.8	10000	38.1978	94.7328	-623	PP	3.3	0	6.4	-2	0.7	-2	0.513	2	4.478	2	8.733	1	1560	41	1.4
5441.7	10000	38.1978	94.7320	-624	PP	3.9	-1	6.3	-2	0.7	-2	0.468	1	3.975	1	8.500	0	1544	41	1.4
5441.6	10000	38.1978	94.7312	-624	PP	3.7	-1	6.1	-2	0.8	-2	0.448	1	3.597	1	8.034	0	1541	40	1.4
5441.5	10000	38.1978	94.7304	-624	PP	3.6	-1	6.1	-2	0.8	-2	0.388	0	3.382	0	8.715	0	1564	44	1.4
5441.4	10000	38.1978	94.7296	-625	PP	3.6	-1	6.2	-2	0.8	-2	0.371	0	3.325	0	8.959	1	1582	42	1.4
5441.3	10000	38.1978	94.7288	-627	PP	3.5	-1	6.2	-2	0.8	-2	0.353	0	3.134	0	8.888	1	1605	53	1.4
5441.2	10000	38.1978	94.7280	-626	PP	3.5	-1	6.2	-2	0.8	-2	0.337	0	3.193	0	9.475	1	1637	39	1.4
5441.1	10000	38.1978	94.7272	-627	PP	3.6	-1	6.2	-2	0.8	-2	0.305	-1	3.258	0	10.692	2	1679	49	1.4
5441.0	10000	38.1978	94.7264	-627	PP	3.6	-1	6.4	-2	0.8	-2	0.315	-1	3.269	0	10.375	2	1716	50	1.4
5440.9	10000	38.1979	94.7256	-627	PP	3.7	-1	6.4	-2	0.8	-2	0.307	-1	3.281	0	10.696	2	1759	49	1.4
5440.8	10000	38.1979	94.7249	-628	PP	3.9	-1	6.5	-1	0.9	-1	0.317	-1	3.298	0	10.388	2	1786	52	1.4
5440.7	10000	38.1979	94.7241	-628	PP	3.9	-1	6.6	-1	0.9	-1	0.324	-1	3.460	1	10.667	2	1819	53	1.4
5440.6	10000	38.1979	94.7233	-628	PP	3.9	-1	6.6	-1	0.9	-1	0.330	-1	3.456	1	10.479	2	1850	60	1.4
5440.5	10000	38.1979	94.7225	-628	PP	3.9	-1	6.6	-1	0.9	-1	0.310	-1	3.274	0	10.549	2	1883	38	1.4
5440.4	10000	38.1979	94.7217	-628	PP	3.9	-1	6.6	-1	0.9	-1	0.323	-1	3.350	0	10.386	2	1905	38	1.4
5440.3	10000	38.1979	94.7209	-628	PP	3.9	-1	6.7	-1	1.0	-1	0.307	-1	2.980	1	9.717	1	1930	52	1.4
5440.2	10000	38.1979	94.7201	-628	PP	3.9	-1	6.7	-1	1.0	-1	0.296	-1	2.870	1	9.713	1	1930	40	1.4
5440.1	10000	38.1979	94.7193	-627	PP	3.9	-1	6.7	-1	1.0	0	0.306	-1	2.846	0	9.294	1	1942	49	1.4
5440.0	10000	38.1979	94.7185	-627	PP	3.8	-1	6.7	-1	1.0	-1	0.265	-1	2.543	-1	9.612	1	1937	42	1.4
5439.9	10000	38.1979	94.7177	-627	PP	3.8	-1	6.8	-1	1.0	-1	0.271	-1	2.543	-1	9.912	1	1927	42	1.4
5439.8	10000	38.1979	94.7169	-628	PP	3.8	-1	6.8	-1	1.0	-1	0.279	-1	2.685	-1	9.981	1	1904	48	1.4
5439.7	10000	38.1979	94.7161	-627	PP	3.8	-1	6.9	-1	1.0	-1	0.285	-1	2.707	-1	9.506	1	1876	41	1.4
5439.6	10000	38.1979	94.7153	-628	PP	3.8	-1	6.9	-1	1.0	-1	0.296	-1	2.787	-1	9.082	1	1835	61	1.4
5439.5	10000	38.1979	94.7145	-628	PP	3.8	-1	6.9	-1	1.0	-1	0.319	-1	2.985	-1	9.200	1	1804	50	1.4
5439.4	10000	38.1979	94.7137	-628	PP	3.8	-1	6.9	-1	1.0	-1	0.339	-1	3.257	-1	9.281	1	1759	52	1.4
5439.3	10000	38.1980	94.7129	-628	PP	3.8	-1	6.9	-1	1.0	-1	0.388	-1	3.539	-1	9.630	1	1734	46	1.4
5439.2	10000	38.1980	94.7121	-629	PP	3.8	-1	6.9	-1	1.0	-1	0.393	-1	3.883	-1	9.276	1	1708	46	1.4
5439.1	10000	38.1980	94.7113	-630	PP	3.8	-1	6.9	-1	1.0	-1	0.409	-1	3.969	-1	9.141	1	1670	40	1.4
5439.0	10000	38.1980	94.7105	-631	PP	3.8	-1	6.9	-1	1.0	-1	0.445	-1	4.432	-1	9.597	1	1659	39	1.4
5438.9	10000	38.1980	94.7097	-633	PP	3.8	-1	6.9	-1	1.0	-1	0.441	-1	4.394	-1	9.747	1	1650	41	1.4
5438.8	10000	38.1980	94.7089	-635	PP	3.8	-1	6.9	-1	1.0	-1	0.432	-1	4.349	-1	9.688	1	1638	51	1.4
5438.7	10000	38.1980	94.7081	-636	PP	3.8	-1	6.9	-1	1.0	-1	0.439	-1	4.320	-1	9.749	1	1627	46	1.4
5438.6	10000	38.1980	94.7073	-637	PP	3.8	-1	6.9	-1	1.0	-1	0.397	-1	3.997	-1	9.688	1	1615	54	1.4
5438.5	10000	38.1980	94.7065	-638	PP	3.8	-1	6.9	-1	1.0	-1	0.349	-1	3.532	-1	9.268	1	1594	52	1.4
5438.4	10000	38.1980	94.7057	-634	PP	3.8	-1	6.9	-1	1.0	-1	0.320	-1	3.255	-1	9.049	1	1590	52	1.4
5438.3	10000	38.1980	94.7050	-637	PP	3.8	-1	6.9	-1	1.0	-1	0.299	-1	3.054	-1	9.091	1	1583	62	1.4
5438.2	10000	38.1980	94.7041	-646	PP	3.8	-1	6.9	-1	1.0	-1	0.257	-1	2.622	-1	8.385	1	1599	65	1.4
5438.1	10000	38.1980	94.7034	-651	PP	3.8	-1	6.9	-1	1.0	-1	0.254	-1	2.593	-1	8.399	1	1637	86	1.4
5438.0	10000	38.1980	94.7026	-655	PP	3.8	-1	6.9	-1	1.0	-1	0.254	-1	2.593	-1	8.399	1	1684	82	1.4
5437.9	10000	38.1980	94.7018	-659	PP	3.8	-1	6.9	-1	1.0	-1	0.254	-1	2.593	-1	8.399	1	1719	82	1.4
5437.8	10000	38.1980	94.7010	-663	PP	3.8	-1	6.9	-1	1.0	-1	0.254	-1	2.593	-1	8.399	1	1774	82	1.4
5437.7	10000	38.1981	94.7002	-668	PP	3.8	-1	6.9	-1	1.0	-1	0.254	-1	2.593	-1	8.399	1	1830	82	1.4

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5437.6	10000	38.1981	94.6994	-674	PP	3.0	-1	10.5	1	0.9	-1	0.283	-1	3.235	0	11.415	2	1895	43	1.4
5437.5	10000	38.1981	94.6986	-679	PP	3.3	0	10.6	1	1.0	-1	0.314	-1	3.380	0	10.777	2	1952	51	1.4
5437.4	10000	38.1981	94.6978	-685	PP	3.2	0	10.7	1	1.0	-1	0.298	-1	3.123	0	10.477	2	1989	51	1.4
5437.3	10000	38.1981	94.6970	-691	PP	3.2	0	10.7	1	1.0	0	0.299	-1	3.101	0	10.377	2	2002	47	1.4
5437.2	10000	38.1981	94.6962	-697	PP	3.5	0	10.8	1	1.1	0	0.327	-1	3.359	0	10.271	2	2023	44	1.4
5437.1	10000	38.1981	94.6954	-703	PP	3.3	0	10.5	1	1.0	0	0.316	-1	3.214	0	10.179	1	2020	34	1.4
5437.0	10000	38.1981	94.6946	-708	PP	3.2	0	10.4	1	1.0	-1	0.309	-1	3.132	0	10.132	1	2006	56	1.5
5436.9	10000	38.1981	94.6938	-713	PP	3.2	0	9.9	1	1.0	-1	0.320	-1	3.289	0	10.277	2	1952	52	1.5
5436.8	10000	38.1981	94.6930	-716	PP	3.1	0	9.7	1	0.9	-1	0.316	-1	3.428	1	10.837	2	1875	44	1.5
5436.7	10000	38.1981	94.6922	-716	PM	3.0	-1	9.1	0	0.8	-2	0.333	0	3.752	1	11.273	2	1794	52	1.5
5436.6	10000	38.1981	94.6914	-720	PM	2.8	-1	8.9	0	0.8	-2	0.319	-1	3.783	1	11.849	2	1718	51	1.5
5436.5	10000	38.1981	94.6906	-728	PM	2.6	-1	8.5	-1	0.7	-2	0.312	-1	3.587	1	11.511	2	1640	49	1.5
5436.4	10000	38.1981	94.6898	-732	PM	2.6	-1	8.1	-1	0.7	-2	0.322	0	3.525	1	10.935	1	1584	56	1.5
5436.3	10000	38.1981	94.6890	-734	PM	2.6	-1	7.8	-2	0.7	-3	0.330	0	3.745	1	11.359	2	1526	55	1.5
5436.2	10000	38.1981	94.6882	-735	PM	2.5	-2	7.6	-2	0.7	-3	0.328	0	3.555	1	10.852	1	1494	37	1.5
5436.1	10000	38.1982	94.6874	-735	PM	2.4	-2	7.0	-2	0.7	-2	0.337	0	3.205	0	9.507	0	1472	59	1.5
5436.0	10000	38.1982	94.6866	-735	PM	2.4	-2	7.1	-2	0.7	-2	0.333	0	3.360	1	10.093	1	1461	44	1.5
5435.9	10000	38.1982	94.6858	-734	PM	2.4	-2	6.9	-2	0.7	-2	0.352	0	3.392	1	9.625	1	1481	53	1.5
5435.8	10000	38.1982	94.6850	-733	PM	2.3	-2	6.8	-2	0.7	-2	0.341	0	3.329	1	9.768	1	1497	56	1.5
5435.7	10000	38.1982	94.6842	-730	PM	2.3	-2	7.2	-2	0.7	-2	0.323	0	3.285	1	10.158	1	1516	47	1.5
5435.6	10000	38.1982	94.6834	-728	PM	2.4	-2	7.3	-2	0.7	-2	0.324	0	3.205	1	9.893	1	1531	50	1.5
5435.5	10000	38.1982	94.6826	-726	PM	2.3	-2	7.5	-2	0.7	-2	0.307	-1	3.142	1	10.241	1	1557	45	1.5
5435.4	10000	38.1982	94.6819	-724	PM	2.2	-2	7.8	-2	0.7	-2	0.290	-1	3.092	1	10.680	1	1591	45	1.5
5435.3	10000	38.1982	94.6811	-722	PM	2.5	-2	8.2	-1	0.8	-2	0.305	-1	3.201	1	10.489	1	1640	37	1.5
5435.2	10000	38.1982	94.6803	-721	PM	2.9	-1	8.1	-1	0.8	-2	0.354	0	3.769	1	10.653	1	1670	49	1.5
5435.1	10000	38.1982	94.6795	-720	PM	2.9	-1	8.1	-1	0.8	-2	0.358	0	3.627	1	10.124	1	1690	51	1.5
5435.0	10000	38.1982	94.6787	-720	PM	3.0	-1	8.4	-1	0.8	-2	0.358	0	3.601	1	10.055	1	1724	37	1.5
5434.9	10000	38.1982	94.6779	-721	PM	3.2	0	8.7	-1	0.8	-2	0.359	0	3.831	1	10.665	1	1754	52	1.5
5434.8	10000	38.1982	94.6771	-722	PM	3.2	0	8.7	-1	0.8	-2	0.372	0	4.012	1	10.795	1	1775	39	1.5
5434.7	10000	38.1982	94.6763	-723	PM	3.4	0	9.0	-1	0.8	-2	0.384	0	4.513	2	11.765	2	1779	52	1.5
5434.6	10000	38.1982	94.6755	-725	PM	3.4	0	9.1	-1	0.8	-2	0.395	0	4.734	2	11.977	2	1774	41	1.6
5434.5	10000	38.1982	94.6747	-727	PM	3.3	0	9.0	-1	0.8	-2	0.358	0	4.220	2	11.775	2	1780	59	1.6
5434.4	10000	38.1982	94.6739	-728	PM	3.2	0	8.8	-1	0.8	-2	0.344	0	4.094	2	11.885	2	1809	37	1.6
5434.3	10000	38.1982	94.6731	-729	PM	3.1	0	8.8	-1	0.8	-2	0.344	0	4.116	2	11.955	2	1802	40	1.6
5434.2	10000	38.1983	94.6723	-730	PM	3.0	0	8.7	-1	0.8	-2	0.328	0	3.793	2	11.550	2	1801	45	1.6
5434.1	10000	38.1983	94.6715	-731	PM	2.9	0	8.7	-1	0.8	-2	0.314	0	3.542	2	11.290	2	1814	32	1.6
5434.0	10000	38.1983	94.6707	-731	PM	2.8	0	8.7	-1	0.8	-2	0.311	0	3.212	2	10.343	2	1830	48	1.6
5433.9	10000	38.1983	94.6699	-732	PM	2.7	0	8.7	-1	0.8	-2	0.297	0	2.959	2	9.947	2	1831	38	1.6
5433.8	10000	38.1983	94.6691	-733	PM	2.7	0	8.7	-1	0.8	-2	0.292	0	2.961	2	10.156	2	1839	43	1.6
5433.7	10000	38.1983	94.6683	-734	PM	2.7	0	8.8	-1	0.8	-2	0.294	0	2.945	2	10.030	2	1831	44	1.6
5433.6	10000	38.1983	94.6675	-735	PM	2.7	0	8.8	-1	0.8	-2	0.302	0	3.085	2	10.214	2	1834	56	1.6
5433.5	10000	38.1983	94.6667	-737	PM	2.7	0	8.8	-1	0.8	-2	0.306	0	3.327	2	10.211	2	1848	42	1.6
5433.4	10000	38.1983	94.6659	-740	PM	2.7	0	8.8	-1	0.8	-2	0.306	0	3.522	3	10.570	2	1840	47	1.6
5433.3	10000	38.1983	94.6651	-743	PM	2.7	0	8.8	-1	0.8	-2	0.306	0	3.718	3	11.233	2	1844	33	1.6
5433.2	10000	38.1983	94.6643	-747	PM	2.7	0	8.8	-1	0.8	-2	0.306	0	3.721	3	11.194	2	1865	43	1.6
5433.1	10000	38.1983	94.6635	-751	PM	2.7	0	8.8	-1	0.8	-2	0.306	0	3.721	3	11.186	2	1870	44	1.6
5433.0	10000	38.1983	94.6628	-756	PM	2.7	0	8.8	-1	0.8	-2	0.306	0	3.721	4	11.600	2	1889	56	1.6
5432.9	10000	38.1983	94.6619	-761	PM	2.7	0	8.8	-1	0.8	-2	0.306	0	3.721	4	11.062	2	1927	42	1.6
5432.8	10000	38.1983	94.6611	-767	PM	2.7	0	8.8	-1	0.8	-2	0.306	0	3.721	4	11.135	2	1951	47	1.6
5432.7	10000	38.1983	94.6604	-774	PM	2.7	0	8.8	-1	0.8	-2	0.306	0	3.721	4	11.559	2	1967	43	1.7
5432.6	10000	38.1983	94.6596	-780	PM	2.7	0	8.8	-1	0.8	-2	0.306	0	3.721	4	11.226	2	1979	57	1.7
5432.5	10000	38.1984	94.6588	-786	PM	3.2	0	10.3	1	1.0	-1	0.310	-1	3.283	0	10.589	2	1979	36	1.7

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5432.4	10000	38.1984	94.6580	-792	PM	3.1	0	10.1	1	1.0	0	0.305	-1	3.030	0	9.948	1	1974	34	1.7
5432.3	10000	38.1984	94.6572	-797	PM	3.3	0	9.8	1	1.0	0	0.343	0	3.239	0	9.456	0	1968	49	1.7
5432.2	10000	38.1984	94.6564	-801	PM	3.2	0	9.9	0	1.0	-1	0.327	0	3.322	0	10.173	1	1940	44	1.7
5432.1	10000	38.1984	94.6555	-805	PM	3.1	0	10.1	1	0.9	-1	0.312	-1	3.373	0	10.801	1	1912	39	1.7
5432.0	10000	38.1984	94.6547	-809	PM	3.1	0	9.9	1	1.0	-1	0.316	-1	3.279	0	10.380	1	1909	43	1.7
5431.9	10000	38.1984	94.6539	-812	PM	3.2	0	9.6	0	0.9	-1	0.335	0	3.474	1	10.384	1	1907	37	1.7
5431.8	10000	38.1984	94.6531	-814	PM	3.2	0	9.3	0	0.9	-1	0.350	0	3.521	1	10.047	1	1909	42	1.7
5431.7	10000	38.1984	94.6523	-815	PM	3.2	0	10.0	1	0.9	-1	0.315	-1	3.505	1	11.123	2	1931	45	1.7
5431.6	10000	38.1984	94.6515	-817	PM	2.9	-1	10.5	1	0.9	-1	0.278	-1	3.317	0	11.937	2	1930	52	1.7
5431.5	10000	38.1984	94.6507	-817	PM	2.9	-1	10.5	1	0.9	-1	0.279	-1	3.305	0	11.836	2	1938	52	1.7
5431.4	10000	38.1985	94.6499	-817	PM	2.9	-1	10.1	1	0.9	-1	0.288	-1	3.202	0	11.119	2	1936	52	1.7
5431.3	10000	38.1985	94.6490	-816	PM	2.9	-1	9.7	0	0.9	-1	0.303	-1	3.432	1	11.312	2	1940	42	1.7
5431.2	10000	38.1985	94.6482	-815	PM	2.9	-1	10.1	1	0.9	-1	0.289	-1	3.296	0	11.395	2	1944	44	1.7
5431.1	10000	38.1985	94.6474	-813	PM	3.1	0	10.3	1	0.9	-1	0.303	-1	3.449	1	11.382	2	1952	45	1.7
5431.0	10000	38.1985	94.6466	-811	PM	3.0	-1	9.7	0	0.9	-1	0.311	-1	3.267	0	10.501	1	1930	47	1.7
5430.9	10000	38.1985	94.6458	-808	PM	3.2	0	9.5	0	0.9	-1	0.333	0	3.417	0	10.249	1	1928	46	1.8
5430.8	10000	38.1985	94.6450	-804	PM	3.0	-1	9.6	0	1.0	-1	0.309	-1	3.087	0	9.991	1	1930	51	1.8
5430.7	10000	38.1985	94.6441	-800	PM	2.9	-1	9.4	0	1.0	-1	0.311	-1	3.033	0	9.747	1	1929	58	1.8
5430.6	10000	38.1985	94.6433	-796	PM	2.9	-1	10.1	1	1.0	-1	0.289	-1	2.996	0	10.361	1	1911	44	1.8
5430.5	10000	38.1985	94.6425	-791	PM	2.9	-1	9.7	0	0.9	-1	0.298	-1	3.053	0	10.232	1	1906	66	1.8
5430.4	10000	38.1986	94.6417	-786	PM	2.7	-1	9.8	0	0.9	-1	0.276	-1	3.019	0	10.942	1	1885	38	1.8
5430.3	10000	38.1986	94.6409	-780	PM	2.8	-1	9.9	0	0.9	-1	0.284	-1	3.110	0	10.935	1	1885	49	1.8
5430.2	10000	38.1986	94.6401	-774	PM	2.6	-1	9.5	0	0.9	-1	0.273	-1	2.824	0	10.350	1	1839	38	1.8
5430.1	10000	38.1986	94.6393	-768	PM	2.5	-1	8.8	-1	0.9	-1	0.287	-1	2.821	0	9.818	1	1785	51	1.8
5430.0	10000	38.1986	94.6385	-761	PM	2.4	-2	8.8	-1	0.9	-1	0.275	-1	2.578	-1	9.385	0	1779	39	1.8
5429.9	10000	38.1986	94.6376	-755	PM	2.2	-2	8.5	-1	0.9	-1	0.264	-1	2.427	-1	9.203	0	1780	45	1.8
5429.8	10000	38.1986	94.6368	-748	PM	2.4	-2	8.4	-1	0.9	-1	0.292	-1	2.693	-1	9.235	0	1778	50	1.8
5429.7	10000	38.1986	94.6360	-742	PM	2.4	-2	8.1	-1	0.9	-1	0.290	-1	2.595	-1	8.955	0	1795	49	1.8
5429.6	10000	38.1986	94.6352	-735	PM	2.5	-2	8.1	-1	0.9	-1	0.305	-1	2.811	0	9.230	0	1818	57	1.8
5429.5	10000	38.1986	94.6344	-729	PM	2.6	-2	8.5	-1	0.9	-1	0.311	-1	3.067	0	9.868	1	1874	58	1.8
5429.4	10000	38.1986	94.6336	-724	QAL	2.8	-1	8.8	-1	0.9	-1	0.303	-1	3.168	0	9.448	1	1927	58	1.8
5429.3	10000	38.1987	94.6328	-718	QAL	2.8	-1	8.8	-1	0.9	-1	0.304	-1	3.339	0	9.968	1	1938	48	1.8
5429.2	10000	38.1987	94.6320	-714	QAL	2.8	-1	8.8	-1	0.9	-1	0.297	-1	3.046	0	9.264	1	1944	46	1.8
5429.1	10000	38.1987	94.6311	-709	QAL	2.8	-1	8.8	-1	0.9	-1	0.266	-1	3.549	0	9.575	1	1950	40	1.8
5429.0	10000	38.1987	94.6303	-705	QAL	2.8	-1	8.8	-1	0.9	-1	0.278	-1	3.612	0	9.384	1	1953	41	1.8
5428.9	10000	38.1987	94.6295	-701	QAL	2.8	-1	8.8	-1	0.9	-1	0.256	-1	3.271	0	9.865	1	1934	42	1.8
5428.8	10000	38.1987	94.6287	-698	QAL	2.8	-1	8.8	-1	0.9	-1	0.233	-1	2.939	0	9.335	1	1909	42	1.8
5428.7	10000	38.1987	94.6279	-695	QAL	2.8	-1	8.8	-1	0.9	-1	0.231	-1	2.848	0	9.014	1	1890	33	1.8
5428.6	10000	38.1987	94.6271	-693	QAL	2.8	-1	8.8	-1	0.9	-1	0.227	-1	2.867	0	9.145	1	1889	51	1.8
5428.5	10000	38.1987	94.6263	-691	QAL	2.8	-1	8.8	-1	0.9	-1	0.226	-1	2.876	0	9.267	1	1896	47	1.8
5428.4	10000	38.1988	94.6254	-689	QAL	2.8	-1	8.8	-1	0.9	-1	0.205	-1	2.655	0	9.335	1	1876	61	1.8
5428.3	10000	38.1988	94.6246	-688	QAL	2.8	-1	8.8	-1	0.9	-1	0.185	-1	2.575	0	9.519	1	1876	49	1.8
5428.2	10000	38.1988	94.6238	-687	QAL	2.8	-1	8.8	-1	0.9	-1	0.210	-1	2.732	0	9.237	1	1875	35	1.8
5428.1	10000	38.1988	94.6230	-687	QAL	2.8	-1	8.8	-1	0.9	-1	0.206	-1	2.726	0	9.381	1	1894	55	1.8
5428.0	10000	38.1988	94.6222	-687	QAL	2.8	-1	8.8	-1	0.9	-1	0.217	-1	2.779	0	9.215	1	1912	38	1.8
5427.9	10000	38.1988	94.6214	-687	QAL	2.8	-1	8.8	-1	0.9	-1	0.229	-1	2.829	0	9.995	1	1942	31	1.8
5427.8	10000	38.1988	94.6206	-688	QAL	2.8	-1	8.8	-1	0.9	-1	0.261	-1	3.024	0	9.725	1	1958	49	1.8
5427.7	10000	38.1988	94.6198	-688	QAL	2.8	-1	8.8	-1	0.9	-1	0.332	-1	3.236	0	9.736	1	1996	41	1.8
5427.6	10000	38.1988	94.6189	-690	QAL	2.8	-1	8.8	-1	0.9	-1	0.326	-1	3.156	0	9.819	1	2023	44	1.8
5427.5	10000	38.1988	94.6181	-690	QAL	2.8	-1	8.8	-1	0.9	-1	0.329	-1	3.126	0	9.849	1	2056	44	1.8
5427.4	10000	38.1988	94.6173	-690	QAL	2.8	-1	8.8	-1	0.9	-1	0.326	-1	3.067	0	9.849	1	2085	53	1.8
5427.3	10000	38.1988	94.6165	-691	PM	2.8	-1	8.8	-1	0.9	-1	0.326	-1	3.067	0	9.849	1	2105	58	1.8

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5427.2	10000	38.1989	94.6157	-691	PM	2.9	-1	9.0	0	1.3	1	0.320	-1	2.217	-1	6.928	-1	2120	39	1.8
5427.1	10000	38.1989	94.6149	-692	PM	3.3	0	9.4	0	1.3	2	0.354	0	2.519	-1	7.112	-1	2163	42	1.8
5427.0	10000	38.1989	94.6141	-691	PM	3.2	0	9.5	0	1.4	2	0.333	0	2.349	-1	7.053	-1	2210	37	1.8
5426.9	10000	38.1989	94.6133	-690	PM	3.2	0	10.2	1	1.3	2	0.308	-1	2.389	-1	7.760	-1	2232	50	1.8
5426.8	10000	38.1989	94.6124	-691	PM	3.2	0	10.4	1	1.3	2	0.312	-1	2.456	-1	7.874	-1	2251	37	1.8
5426.7	10000	38.1989	94.6116	-692	PM	3.2	0	10.7	1	1.3	1	0.298	-1	2.480	-1	8.320	0	2254	40	1.8
5426.6	10000	38.1989	94.6108	-692	PM	3.6	1	11.1	2	1.3	1	0.328	0	2.799	0	8.537	0	2262	41	1.8
5426.5	10000	38.1989	94.6100	-692	PM	3.8	1	11.0	2	1.3	1	0.346	0	2.938	0	8.482	0	2257	45	1.8
5426.4	10000	38.1989	94.6092	-691	PM	3.4	0	10.2	1	1.3	1	0.336	0	2.654	-1	7.900	-1	2212	38	1.8
5426.3	10000	38.1990	94.6084	-691	PM	3.5	0	10.3	1	1.2	1	0.337	0	2.795	0	8.289	0	2157	52	1.8
5426.2	10000	38.1990	94.6075	-691	PC	3.3	0	9.8	1	1.2	1	0.338	0	2.688	0	7.961	-1	2098	29	1.8
5426.1	10000	38.1990	94.6067	-690	PC	3.2	0	9.8	0	1.2	1	0.327	0	2.626	-1	8.022	0	2052	32	1.8
5426.0	10000	38.1990	94.6059	-689	PC	3.1	0	9.2	0	1.2	0	0.338	0	2.650	0	7.839	-1	2004	52	1.8
5425.9	10000	38.1990	94.6051	-689	PC	2.7	-1	8.6	-1	1.1	0	0.318	0	2.384	-1	7.504	-1	1943	36	1.8
5425.8	10000	38.1990	94.6043	-688	PC	2.6	-1	8.4	-1	1.2	0	0.309	0	2.222	-1	7.198	-1	1900	43	1.8
5425.7	10000	38.1990	94.6035	-686	PC	2.5	-1	8.9	0	1.1	0	0.278	-1	2.197	-1	7.911	-1	1868	36	1.8
5425.6	10000	38.1990	94.6027	-685	PC	2.1	-1	9.0	0	1.1	0	0.232	-1	1.859	-2	8.024	0	1841	43	1.8
5425.5	10000	38.1990	94.6019	-682	PC	2.1	-1	8.8	0	1.1	0	0.236	-1	1.867	-2	7.925	-1	1826	49	1.8
5425.4	10000	38.1990	94.6010	-681	PC	2.2	-1	8.5	-1	1.1	0	0.264	-1	2.011	-1	7.624	-1	1811	46	1.8
5425.3	10000	38.1990	94.6002	-678	PC	2.3	-1	8.5	-1	1.2	0	0.274	-1	1.999	-1	7.301	-1	1821	44	1.8
5425.2	10000	38.1991	94.5994	-674	PC	2.3	-1	8.8	0	1.2	0	0.264	-1	1.943	-1	7.373	-1	1861	54	1.8
5425.1	10000	38.1991	94.5986	-671	PC	2.1	-1	8.6	-1	1.2	0	0.243	-1	1.756	-2	7.234	-1	1868	42	1.8
5425.0	10000	38.1991	94.5978	-668	PC	2.4	-1	8.7	0	1.2	1	0.272	-1	1.937	-1	7.128	-1	1903	44	1.8
5424.9	10000	38.1991	94.5970	-665	PC	2.9	0	8.8	0	1.2	1	0.326	0	2.328	-1	7.136	-1	1955	47	1.8
5424.8	10000	38.1991	94.5962	-661	PC	2.8	0	9.4	0	1.2	1	0.299	-1	2.281	-1	7.622	-1	2008	51	1.8
5424.7	10000	38.1991	94.5954	-658	PC	2.7	-1	9.7	0	1.2	1	0.277	-1	2.149	-1	7.746	-1	2054	45	1.8
5424.6	10000	38.1991	94.5945	-654	PC	2.9	0	10.1	1	1.3	1	0.286	-1	2.256	-1	7.891	-1	2110	47	1.8
5424.5	10000	38.1991	94.5937	-652	PC	3.1	0	10.8	1	1.3	1	0.300	-1	2.338	-1	7.785	-1	2151	46	1.8
5424.4	10000	38.1991	94.5929	-649	PC	3.2	0	10.7	1	1.3	1	0.302	-1	2.412	-1	7.975	-1	2196	40	1.8
5424.3	10000	38.1991	94.5921	-647	PC	3.2	0	10.4	1	1.3	1	0.304	-1	2.239	-1	7.366	-1	2219	39	1.8
5424.2	10000	38.1992	94.5913	-646	PC	3.2	0	10.4	1	1.3	1	0.323	-1	2.262	-1	7.003	-1	2209	33	1.8
5424.1	10000	38.1992	94.5905	-644	PC	3.2	0	10.4	1	1.3	1	0.359	-1	2.328	-2	6.476	-2	2199	44	1.8
5424.0	10000	38.1992	94.5897	-643	PC	3.2	0	10.4	1	1.3	1	0.376	-1	2.368	-2	6.295	-2	2178	51	1.8
5423.9	10000	38.1992	94.5888	-643	PC	3.2	0	10.4	1	1.3	1	0.356	-1	2.222	-2	6.248	-2	2137	48	1.8
5423.8	10000	38.1992	94.5880	-643	PC	3.2	0	10.4	1	1.3	1	0.341	-1	2.100	-2	6.160	-2	2110	47	1.8
5423.7	10000	38.1992	94.5872	-643	PC	3.2	0	10.4	1	1.3	1	0.345	-1	2.139	-2	6.203	-2	2085	46	1.8
5423.6	10000	38.1992	94.5864	-644	PC	3.2	0	10.4	1	1.3	1	0.341	-1	2.291	-1	6.718	-1	2046	54	1.8
5423.5	10000	38.1992	94.5856	-646	PC	3.2	0	10.4	1	1.3	1	0.337	-1	2.288	-1	6.797	-1	2033	58	1.8
5423.4	10000	38.1992	94.5848	-647	PC	3.2	0	10.4	1	1.3	1	0.296	-1	2.156	-1	7.278	-1	2007	39	1.8
5423.3	10000	38.1992	94.5840	-649	PC	3.2	0	10.4	1	1.3	1	0.284	-1	2.166	-1	7.624	-1	1976	45	1.8
5423.2	10000	38.1992	94.5831	-651	PC	3.2	0	10.4	1	1.3	1	0.284	-1	2.153	-1	7.582	-1	1928	45	1.8
5423.1	10000	38.1992	94.5823	-652	PC	3.2	0	10.4	1	1.3	1	0.290	-1	2.192	-1	7.552	-1	1852	42	1.8
5423.0	10000	38.1993	94.5815	-646	PC	3.2	0	10.4	1	1.3	1	0.296	-1	2.218	-1	7.492	-1	1796	42	1.8
5422.9	10000	38.1993	94.5807	-619	PC	3.2	0	10.4	1	1.3	1	0.293	-1	2.250	-1	7.669	-1	1742	36	1.8
5422.7	10000	38.1993	94.5791	-623	PC	3.2	0	10.4	1	1.3	1	0.281	-1	2.266	-1	8.079	-1	1691	41	1.8
5422.6	10000	38.1993	94.5783	-652	PC	3.2	0	10.4	1	1.3	1	0.323	-1	2.480	-1	7.688	-1	1671	37	1.8
5422.5	10000	38.1993	94.5775	-653	PC	3.2	0	10.4	1	1.3	1	0.304	-1	2.322	-1	7.641	-1	1687	48	1.8
5422.4	10000	38.1993	94.5766	-650	PC	3.2	0	10.4	1	1.3	1	0.309	-1	2.471	0	8.009	-1	1725	41	1.8
5422.3	10000	38.1993	94.5758	-646	PC	3.2	0	10.4	1	1.3	1	0.327	-1	2.582	-1	7.891	-1	1780	45	1.8
5422.2	10000	38.1993	94.5750	-641	PC	3.2	0	10.4	1	1.3	1	0.317	-1	2.516	-1	7.947	-1	1838	53	1.8
5422.1	10000	38.1993	94.5742	-635	PC	3.2	0	10.4	1	1.3	1	0.305	-1	2.500	-1	8.185	-1	1900	47	1.8
5422.0	10000	38.1993	94.5734	-630	PC	3.2	0	10.4	1	1.3	1	0.307	-1	2.376	-1	7.740	-1	1946	45	1.8

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5421.9	10000	38.1994	94.5726	-623	PC	3.0	0	8.9	0	1.2	0	0.330	0	2.536	-1	7.684	-1	1981	39	1.8
5421.8	10000	38.1994	94.5718	-618	PC	3.2	0	8.7	0	1.2	0	0.368	0	2.667	0	7.244	-1	2009	40	1.8
5421.7	10000	38.1994	94.5709	-611	PM	3.1	0	8.4	-1	1.3	1	0.369	0	2.446	-1	6.638	-2	2032	57	1.8
5421.6	10000	38.1994	94.5701	-604	PM	2.9	-1	8.7	-1	1.3	2	0.337	0	2.255	-1	6.685	-2	2065	41	1.8
5421.5	10000	38.1994	94.5693	-595	PM	3.1	0	9.0	0	1.3	1	0.342	0	2.360	-1	6.891	-1	2076	51	1.8
5421.4	10000	38.1994	94.5685	-587	PM	2.9	-1	8.9	-1	1.4	2	0.332	0	2.067	-2	6.232	-2	2094	25	1.8
5421.3	10000	38.1994	94.5677	-577	PM	3.0	-1	8.9	-1	1.4	2	0.339	0	2.101	-2	6.199	-2	2088	46	1.8
5421.2	10000	38.1994	94.5669	-568	PM	2.8	-1	8.9	0	1.4	2	0.309	-1	1.952	-2	6.308	-2	2060	56	1.8
5421.1	10000	38.1994	94.5661	-559	PM	2.7	-1	8.8	-1	1.4	2	0.309	-1	1.992	-2	6.451	-2	2020	52	1.8
5421.0	10000	38.1994	94.5652	-548	PM	2.9	-1	8.7	-1	1.3	2	0.338	0	2.223	-1	6.584	-2	1996	49	1.8
5420.9	10000	38.1995	94.5644	-538	PM	3.2	0	8.4	-1	1.3	1	0.378	0	2.501	-1	6.613	-2	1967	54	1.8
5420.8	10000	38.1995	94.5636	-528	PM	3.1	0	8.2	-1	1.2	1	0.378	0	2.539	-1	6.716	-2	1928	40	1.8
5420.7	10000	38.1995	94.5628	-519	PM	3.3	0	7.7	-2	1.1	0	0.432	1	3.014	0	6.982	-1	1894	49	1.8
5420.6	10000	38.1995	94.5620	-509	PM	3.4	0	7.6	-2	1.1	0	0.445	1	3.149	0	7.084	-1	1899	41	1.8
5420.5	10000	38.1995	94.5612	-498	PM	3.3	0	7.9	-1	1.1	0	0.416	1	2.935	0	7.055	-1	1917	42	1.8
5420.4	10000	38.1995	94.5604	-488	PM	3.3	0	8.0	-1	1.2	1	0.409	1	2.828	0	6.917	-1	1943	52	1.8
5420.3	10000	38.1995	94.5596	-478	PM	3.4	0	8.3	-1	1.2	1	0.413	1	2.849	0	6.900	-1	1969	52	1.7
5420.2	10000	38.1995	94.5587	-469	PM	3.6	1	8.4	-1	1.2	1	0.430	1	2.934	0	6.819	-1	2008	51	1.7
5420.1	10000	38.1995	94.5579	-460	PM	3.6	1	8.1	-1	1.3	1	0.437	1	2.754	-1	6.301	-2	2051	46	1.7
5420.0	10000	38.1995	94.5571	-452	PM	3.4	0	8.3	-1	1.4	2	0.413	1	2.510	-1	6.078	-2	2090	50	1.7
5419.9	10000	38.1995	94.5563	-444	PM	3.3	0	8.5	-1	1.4	2	0.385	1	2.342	-1	6.077	-2	2109	43	1.7
5419.8	10000	38.1996	94.5555	-438	PM	3.4	0	8.5	-1	1.4	2	0.399	1	2.391	-1	5.998	-2	2133	50	1.7
5419.7	10000	38.1996	94.5547	-433	PM	3.5	0	8.4	-1	1.4	2	0.421	1	2.531	-1	6.014	-2	2134	39	1.7
5419.6	10000	38.1996	94.5539	-428	PM	3.5	0	8.4	-1	1.4	2	0.416	1	2.576	-1	6.186	-2	2098	45	1.7
5419.5	10000	38.1996	94.5531	-424	PM	3.0	-1	8.5	-1	1.3	1	0.357	0	2.352	-1	6.592	-2	2030	37	1.7
5419.4	10000	38.1996	94.5522	-421	PM	2.9	-1	8.6	-1	1.3	1	0.341	0	2.322	-1	6.807	-1	1993	38	1.7
5419.3	10000	38.1996	94.5514	-419	PM	3.0	-1	8.9	-1	1.2	1	0.337	0	2.451	-1	7.276	-1	1982	50	1.7
5419.2	10000	38.1996	94.5506	-419	PM	3.0	-1	9.2	0	1.2	1	0.323	0	2.452	-1	7.583	-1	1987	47	1.7
5419.1	10000	38.1996	94.5498	-418	PM	3.0	0	9.2	0	1.2	1	0.331	0	2.570	-1	7.757	-1	1996	48	1.7
5419.0	10000	38.1996	94.5490	-417	PM	2.9	-1	9.8	1	1.2	1	0.293	-1	2.442	-1	8.344	0	2026	52	1.7
5418.9	10000	38.1996	94.5482	-418	PM	3.0	-1	9.8	1	1.2	1	0.306	0	2.294	-1	8.058	-1	2066	44	1.7
5418.8	10000	38.1997	94.5473	-417	PM	3.0	-1	9.7	1	1.2	1	0.309	0	2.269	-1	8.174	-1	2137	47	1.7
5418.7	10000	38.1997	94.5465	-417	PM	3.1	-1	10.0	1	1.2	1	0.309	0	2.526	-1	8.605	0	2192	42	1.7
5418.6	10000	38.1997	94.5457	-418	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.574	-1	8.482	0	2214	54	1.7
5418.5	10000	38.1997	94.5449	-417	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.765	-1	8.056	-1	2232	43	1.7
5418.4	10000	38.1997	94.5441	-417	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.599	-1	7.937	-1	2257	50	1.7
5418.3	10000	38.1997	94.5433	-418	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.463	-1	7.396	-1	2267	38	1.7
5418.2	10000	38.1997	94.5425	-417	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.582	-1	7.639	-1	2294	35	1.7
5418.1	10000	38.1997	94.5417	-418	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.555	-1	7.161	-1	2310	55	1.6
5418.0	10000	38.1997	94.5408	-418	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.765	-1	7.067	-1	2322	31	1.6
5417.9	10000	38.1997	94.5400	-419	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.740	-1	6.962	-1	2326	36	1.6
5417.8	10000	38.1997	94.5392	-420	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.812	-1	7.795	-1	2311	40	1.6
5417.7	10000	38.1997	94.5384	-422	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.903	-1	7.956	-1	2288	35	1.6
5417.6	10000	38.1998	94.5376	-424	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.903	-1	9.037	-1	2256	51	1.6
5417.5	10000	38.1998	94.5368	-425	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.903	-1	9.366	-1	2234	49	1.6
5417.4	10000	38.1998	94.5360	-427	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.903	-1	9.072	-1	2226	52	1.6
5417.3	10000	38.1998	94.5352	-429	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.903	-1	9.080	-1	2221	52	1.6
5417.2	10000	38.1998	94.5344	-431	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.903	-1	9.520	-1	2221	50	1.6
5417.1	10000	38.1997	94.5336	-433	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.903	-1	9.465	-1	2241	53	1.6
5417.0	10000	38.1997	94.5329	-437	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.903	-1	9.685	-1	2262	50	1.6
5416.9	10000	38.1997	94.5321	-440	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.903	-1	9.024	-1	2280	50	1.6
5416.8	10000	38.1996	94.5313	-444	PM	3.2	-1	10.0	1	1.3	1	0.320	0	2.903	-1	9.220	-1	2293	48	1.6

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FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5416.7	10000	38.1996	94.5305	-448	PM	3.9	1	12.1	3	1.1	0	0.326	0	3.445	1	10.568	1	2286	33	1.5
5416.6	10000	38.1996	94.5298	-452	PM	4.1	1	12.0	2	1.1	0	0.339	0	3.604	1	10.637	1	2278	44	1.5
5416.5	10000	38.1996	94.5290	-456	PM	4.1	2	11.8	2	1.1	0	0.350	0	3.764	1	10.746	1	2270	43	1.5
5416.4	10000	38.1995	94.5282	-460	PM	4.0	1	11.6	2	1.2	1	0.345	0	3.412	1	9.884	1	2272	37	1.5
5416.3	10000	38.1995	94.5275	-465	PM	3.5	0	11.7	2	1.2	1	0.302	-1	2.820	1	9.340	0	2267	32	1.5
5416.2	10000	38.1995	94.5267	-469	PM	3.6	1	11.7	2	1.3	1	0.308	-1	2.825	0	9.186	0	2283	37	1.5
5416.1	10000	38.1995	94.5259	-473	PM	3.8	1	11.6	2	1.2	1	0.330	0	3.050	0	9.250	0	2274	50	1.5
5416.0	10000	38.1994	94.5252	-476	PM	3.8	1	11.7	2	1.3	1	0.322	0	2.899	0	9.007	0	2294	31	1.5
5415.9	10000	38.1994	94.5244	-480	PM	3.8	1	11.8	2	1.3	2	0.322	0	2.914	0	9.060	0	2307	45	1.5
5415.8	10000	38.1994	94.5236	-483	PM	3.6	1	12.1	2	1.3	2	0.299	-1	2.705	-1	9.054	0	2321	38	1.5
5415.7	10000	38.1993	94.5229	-487	PM	3.8	1	11.7	2	1.3	1	0.325	0	3.047	0	9.387	0	2316	45	1.5
5415.6	10000	38.1993	94.5221	-490	PM	4.1	1	11.6	2	1.2	1	0.352	0	3.511	1	9.968	1	2306	51	1.5
5415.5	10000	38.1993	94.5213	-493	PM	3.8	1	11.5	2	1.2	0	0.335	0	3.339	1	9.965	1	2283	42	1.5
5415.4	10000	38.1993	94.5206	-496	PM	3.5	1	11.3	2	1.2	1	0.311	-1	2.844	0	9.152	0	2265	52	1.5
5415.3	10000	38.1992	94.5198	-499	PM	3.2	1	11.0	2	1.2	1	0.294	-1	2.659	-1	9.050	0	2237	56	1.5
5415.2	10000	38.1992	94.5190	-501	PM	3.5	1	10.7	1	1.2	1	0.304	-1	2.769	-1	9.100	0	2197	35	1.5
5415.1	10000	38.1992	94.5183	-503	PM	3.5	1	10.4	1	1.2	1	0.337	0	3.041	0	9.025	0	2152	44	1.5
5415.0	10000	38.1992	94.5175	-504	PM	3.4	1	10.4	1	1.1	0	0.327	0	2.979	0	9.105	0	2103	45	1.4
5414.9	10000	38.1991	94.5167	-506	PM	3.4	1	10.1	1	1.2	0	0.335	0	2.944	0	8.788	0	2062	58	1.4
5414.8	10000	38.1991	94.5160	-509	PM	3.4	1	10.1	1	1.1	0	0.337	0	3.142	0	9.318	0	2024	45	1.4
5414.7	10000	38.1991	94.5152	-511	PM	3.5	1	9.8	1	1.0	0	0.352	0	3.427	0	9.730	1	1978	48	1.4
5414.6	10000	38.1991	94.5144	-513	PM	3.6	1	9.5	0	1.0	-1	0.379	0	3.756	1	9.910	1	1926	36	1.4
5414.5	10000	38.1990	94.5137	-514	PM	3.4	1	9.4	0	0.9	-1	0.361	0	3.704	1	10.254	1	1887	39	1.4
5414.4	10000	38.1990	94.5129	-515	PM	3.2	1	9.2	0	0.9	-1	0.345	0	3.590	1	10.398	1	1847	51	1.4
5414.3	10000	38.1990	94.5121	-516	PM	3.2	1	9.4	0	0.9	-1	0.347	0	3.756	1	10.830	1	1839	46	1.4
5414.2	10000	38.1989	94.5114	-517	PM	3.1	1	9.8	0	0.8	-2	0.317	-1	3.789	1	11.961	2	1845	41	1.4
5414.1	10000	38.1989	94.5106	-517	PM	3.1	1	9.8	0	0.8	-2	0.313	-1	3.644	1	11.644	2	1864	52	1.4
5414.0	10000	38.1989	94.5098	-518	PC	3.2	1	10.0	1	0.9	-1	0.323	0	3.744	1	11.598	2	1899	53	1.4
5413.9	10000	38.1989	94.5091	-518	PC	3.4	1	9.9	1	0.9	-1	0.341	0	3.773	1	11.072	2	1933	44	1.4
5413.8	10000	38.1988	94.5083	-517	PC	3.6	1	9.9	1	0.9	-1	0.361	0	3.846	1	10.661	1	1974	39	1.4
5413.7	10000	38.1988	94.5075	-517	PC	3.7	1	9.9	1	0.9	-1	0.373	0	3.850	1	10.317	2	2027	54	1.4
5413.6	10000	38.1988	94.5068	-517	PC	3.5	1	9.9	1	0.9	-1	0.355	0	3.609	1	10.177	2	2043	48	1.4
5413.5	10000	38.1987	94.5060	-516	PC	3.7	1	9.8	1	0.9	-1	0.381	0	3.661	1	10.601	2	2052	42	1.4
5413.4	10000	38.1987	94.5052	-514	PC	3.8	1	9.8	1	0.9	-1	0.401	0	3.604	1	9.996	2	2049	53	1.4
5413.3	10000	38.1987	94.5045	-512	PC	3.8	1	9.8	1	0.9	-1	0.405	0	3.587	1	9.854	2	2043	62	1.4
5413.2	10000	38.1987	94.5037	-510	PC	3.5	1	9.8	1	0.9	-1	0.364	0	3.351	1	9.214	2	2029	39	1.4
5413.1	10000	38.1986	94.5029	-507	PC	3.4	1	9.8	1	0.9	-1	0.359	0	3.351	1	9.331	2	2004	48	1.4
5413.0	10000	38.1986	94.5022	-504	PC	3.3	1	9.8	1	0.9	-1	0.355	0	3.352	1	9.429	2	1974	46	1.4
5412.9	10000	38.1986	94.5014	-501	PC	3.4	1	9.8	1	0.9	-1	0.373	0	3.484	1	9.351	2	1968	45	1.4
5412.8	10000	38.1985	94.5006	-498	PC	3.4	1	9.8	1	0.9	-1	0.376	0	3.429	1	9.129	2	1955	41	1.4
5412.7	10000	38.1985	94.4999	-495	PC	3.5	1	9.8	1	0.9	-1	0.393	0	3.688	1	9.390	2	1931	48	1.4
5412.6	10000	38.1985	94.4991	-492	PC	3.3	1	9.8	1	0.9	-1	0.356	0	3.397	1	9.339	2	1924	42	1.4
5412.5	10000	38.1985	94.4983	-488	PC	3.4	1	9.8	1	0.9	-1	0.366	0	3.467	1	9.475	2	1923	54	1.4
5412.4	10000	38.1984	94.4976	-485	PC	3.4	1	9.8	1	0.9	-1	0.364	0	3.382	1	9.291	2	1937	54	1.4
5412.3	10000	38.1984	94.4968	-482	PC	3.4	1	9.8	1	0.9	-1	0.358	0	3.367	1	9.411	2	1961	55	1.4
5412.2	10000	38.1984	94.4960	-479	PC	3.3	1	9.8	1	0.9	-1	0.371	0	3.296	1	9.889	2	1980	46	1.4
5412.1	10000	38.1983	94.4953	-475	PC	3.1	1	9.8	1	0.9	-1	0.358	0	3.065	1	9.555	2	1995	38	1.4
5412.0	10000	38.1983	94.4945	-472	PC	3.2	1	9.8	1	0.9	-1	0.316	0	2.565	1	9.112	2	2041	51	1.4
5411.9	10000	38.1983	94.4937	-468	PC	3.1	1	9.8	1	0.9	-1	0.334	0	2.655	1	9.941	2	2072	57	1.4
5411.8	10000	38.1983	94.4930	-464	PC	3.2	1	9.8	1	0.9	-1	0.313	0	2.402	1	7.678	1	2090	41	1.4
5411.7	10000	38.1982	94.4922	-459	PC	3.1	1	9.8	1	0.9	-1	0.321	0	2.356	1	7.350	1	2117	42	1.4
5411.6	10000	38.1982	94.4914	-455	PC	3.1	1	9.8	1	0.9	-1	0.313	0	2.253	1	7.191	1	2136	55	1.4

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5411.5	10000	38.1982	94.4906	-450	PC	2.8	0	10.6	1	1.4	1	0.265	-1	1.950	-1	7.349	-1	2150	43	1.4
5411.4	10000	38.1982	94.4899	-445	PC	3.1	0	10.9	1	1.5	2	0.281	-1	2.109	-1	7.505	-1	2162	54	1.4
5411.3	10000	38.1981	94.4891	-440	PC	3.1	0	11.1	2	1.4	1	0.279	-1	2.154	-1	7.719	-1	2153	49	1.4
5411.2	10000	38.1981	94.4884	-435	PC	3.1	0	11.4	2	1.4	1	0.271	-1	2.164	-1	7.978	-1	2140	45	1.4
5411.1	10000	38.1981	94.4876	-431	PC	3.2	0	11.5	2	1.4	1	0.279	-1	2.243	-1	8.029	0	2139	49	1.4
5411.0	10000	38.1981	94.4868	-426	PC	3.0	0	11.3	2	1.4	1	0.265	-1	2.197	-1	8.302	0	2111	48	1.4
5410.9	10000	38.1980	94.4861	-423	PC	3.0	0	11.1	2	1.3	1	0.270	-1	2.264	-1	8.381	0	2093	44	1.4
5410.8	10000	38.1980	94.4853	-420	PC	3.1	0	10.6	1	1.3	1	0.288	-1	2.308	-1	8.013	0	2075	48	1.4
5410.7	10000	38.1980	94.4845	-418	PC	2.7	-1	10.3	1	1.3	1	0.260	-1	2.015	-1	7.744	-1	2064	55	1.4
5410.6	10000	38.1979	94.4837	-416	PC	2.8	0	10.0	1	1.3	1	0.282	-1	2.164	-1	7.678	-1	2060	52	1.4
5410.5	10000	38.1979	94.4830	-415	PC	2.8	-1	9.9	1	1.3	1	0.277	-1	2.083	-1	7.529	-1	2055	25	1.4
5410.4	10000	38.1979	94.4822	-416	PC	2.8	-1	9.7	1	1.3	1	0.285	-1	2.082	-1	7.317	-1	2052	36	1.4
5410.3	10000	38.1979	94.4814	-417	PC	2.6	-1	9.7	1	1.4	1	0.267	-1	1.862	-2	6.969	-1	2062	41	1.4
5410.2	10000	38.1978	94.4807	-420	PC	2.6	-1	9.5	1	1.4	1	0.272	-1	1.828	-2	6.722	-1	2064	48	1.4
5410.1	10000	38.1978	94.4799	-423	PC	2.8	-1	9.6	1	1.4	1	0.288	-1	1.949	-1	6.770	-1	2060	43	1.4
5410.0	10000	38.1978	94.4791	-427	PC	2.9	0	9.7	1	1.4	1	0.303	-1	2.091	-1	6.896	-1	2039	38	1.4
5409.9	10000	38.1978	94.4784	-431	PC	2.8	0	9.6	1	1.4	1	0.294	-1	2.090	-1	7.099	-1	2001	36	1.4
5409.8	10000	38.1977	94.4776	-436	PC	3.0	0	9.3	1	1.3	1	0.324	0	2.262	-1	6.984	-1	1975	40	1.4
5409.7	10000	38.1977	94.4768	-441	PC	3.0	0	9.0	1	1.3	1	0.335	0	2.396	-1	7.153	-1	1955	37	1.4
5409.6	10000	38.1977	94.4761	-447	PC	3.1	0	9.1	1	1.2	1	0.340	0	2.533	-1	7.444	-1	1957	43	1.5
5409.5	10000	38.1976	94.4753	-452	PC	3.1	0	8.9	1	1.2	1	0.345	0	2.481	-1	7.202	-1	1967	44	1.5
5409.4	10000	38.1976	94.4745	-458	PC	3.1	0	9.0	1	1.2	1	0.350	0	2.603	-1	7.441	-1	1991	46	1.5
5409.3	10000	38.1976	94.4738	-463	PC	3.3	0	9.1	1	1.3	1	0.366	0	2.774	0	7.590	-1	2026	42	1.5
5409.2	10000	38.1976	94.4730	-469	PC	3.4	0	9.4	1	1.3	1	0.359	0	2.691	0	7.503	-1	2071	46	1.5
5409.1	10000	38.1975	94.4722	-474	PC	3.1	0	9.8	1	1.3	1	0.316	0	2.425	-1	7.661	-1	2105	38	1.5
5409.0	10000	38.1975	94.4715	-480	PC	3.2	0	10.1	1	1.3	1	0.318	0	2.438	-1	7.675	-1	2136	44	1.5
5408.9	10000	38.1975	94.4707	-485	PC	3.4	0	10.2	1	1.3	1	0.337	0	2.617	-1	7.756	-1	2123	49	1.5
5408.8	10000	38.1974	94.4699	-490	PC	3.3	0	10.2	1	1.2	1	0.321	0	2.741	0	8.533	0	2094	44	1.5
5408.7	10000	38.1974	94.4692	-494	PC	3.3	0	10.1	1	1.3	1	0.333	0	2.820	0	8.474	0	2067	50	1.5
5408.6	10000	38.1974	94.4684	-498	PC	3.3	0	10.0	1	1.3	1	0.331	0	2.648	0	8.523	0	2041	56	1.5
5408.5	10000	38.1973	94.4676	-501	PC	3.3	0	9.9	1	1.3	1	0.329	0	2.622	0	8.713	0	2018	39	1.5
5408.4	10000	38.1973	94.4669	-503	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.788	0	8.467	0	2017	41	1.5
5408.3	10000	38.1973	94.4661	-505	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.656	0	8.472	0	2008	37	1.5
5408.2	10000	38.1973	94.4653	-507	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.650	0	8.529	0	2019	25	1.5
5408.1	10000	38.1973	94.4646	-508	PC	3.3	0	9.9	1	1.3	1	0.330	0	2.642	0	8.087	0	2040	41	1.5
5408.0	10000	38.1972	94.4638	-509	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.697	0	8.175	0	2050	30	1.5
5407.9	10000	38.1972	94.4630	-509	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.685	0	8.184	0	2061	51	1.5
5407.8	10000	38.1972	94.4623	-510	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.712	0	8.010	0	2069	44	1.5
5407.7	10000	38.1971	94.4615	-510	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.879	0	8.715	0	2070	46	1.5
5407.6	10000	38.1971	94.4607	-510	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.712	0	8.427	0	2071	44	1.5
5407.5	10000	38.1971	94.4600	-510	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.579	0	8.270	0	2065	39	1.5
5407.4	10000	38.1971	94.4592	-510	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.573	0	8.933	0	2074	36	1.5
5407.3	10000	38.1970	94.4584	-511	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.256	0	8.389	0	2086	46	1.5
5407.2	10000	38.1970	94.4577	-511	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.290	0	8.259	0	2096	48	1.5
5407.1	10000	38.1970	94.4569	-512	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.264	0	8.268	0	2113	47	1.5
5407.0	10000	38.1970	94.4561	-515	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.298	0	8.533	0	2117	54	1.5
5406.9	10000	38.1969	94.4554	-515	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.287	0	8.419	0	2134	55	1.5
5406.8	10000	38.1969	94.4546	-517	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.320	0	8.349	0	2161	40	1.5
5406.7	10000	38.1969	94.4538	-518	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.255	0	8.347	0	2167	38	1.5
5406.6	10000	38.1968	94.4531	-519	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.253	0	8.551	0	2182	29	1.5
5406.5	10000	38.1968	94.4523	-521	PC	3.3	0	9.9	1	1.3	1	0.331	0	2.170	0	8.519	0	2200	43	1.5
5406.4	10000	38.1968	94.4515	-521	PC	3.2	0	10.2	1	1.3	1	0.314	0	2.061	-1	8.567	0	2223	43	1.5

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5406.3	10000	38.1968	94.4508	-521	PC	3.4	0	10.1	1	1.6	2	0.335	0	2.191	-1	6.542	-1	2250	42	1.5
5406.2	10000	38.1967	94.4500	-520	PC	3.2	0	10.2	1	1.5	2	0.316	0	2.119	-1	6.697	-1	2261	43	1.5
5406.1	10000	38.1967	94.4492	-520	PC	3.4	0	10.3	1	1.6	2	0.324	0	2.120	-1	6.538	-1	2298	35	1.5
5406.0	10000	38.1967	94.4485	-518	PC	3.3	0	10.7	1	1.6	2	0.309	0	2.099	-1	6.789	-1	2307	48	1.5
5405.9	10000	38.1966	94.4477	-517	PC	3.3	0	10.5	1	1.6	2	0.311	0	2.035	-1	6.554	-1	2302	41	1.5
5405.8	10000	38.1966	94.4469	-515	PC	3.1	0	10.4	1	1.6	2	0.295	-1	1.938	-1	6.568	-1	2277	42	1.5
5405.7	10000	38.1966	94.4462	-513	PC	2.9	0	10.1	1	1.5	2	0.289	-1	1.891	-1	6.539	-1	2234	56	1.5
5405.6	10000	38.1966	94.4454	-511	PC	2.9	0	10.1	1	1.5	2	0.288	-1	1.962	-1	6.823	-1	2199	46	1.5
5405.5	10000	38.1965	94.4446	-509	PC	2.9	0	10.7	1	1.4	1	0.267	-1	2.002	-1	7.498	-1	2164	43	1.5
5405.4	10000	38.1965	94.4438	-508	PC	3.0	0	10.7	1	1.3	1	0.278	-1	2.214	-1	7.950	-1	2121	42	1.5
5405.3	10000	38.1965	94.4431	-507	PC	3.2	0	10.7	1	1.3	1	0.302	-1	2.418	-1	8.000	-1	2122	44	1.5
5405.2	10000	38.1964	94.4423	-505	PC	3.1	0	11.0	2	1.3	1	0.278	-1	2.301	-1	8.277	0	2139	47	1.5
5405.1	10000	38.1964	94.4416	-504	PC	3.4	0	11.2	2	1.4	2	0.302	-1	2.426	-1	8.033	0	2188	28	1.5
5405.0	10000	38.1964	94.4408	-503	PC	3.7	0	11.5	2	1.4	2	0.323	0	2.557	-1	7.927	-1	2241	53	1.5
5404.9	10000	38.1964	94.4400	-502	PC	3.5	0	11.8	2	1.5	2	0.283	-1	2.156	-1	7.609	-1	2287	43	1.5
5404.8	10000	38.1964	94.4393	-501	PC	3.6	0	11.9	2	1.6	2	0.300	-1	2.156	-1	7.176	-1	2337	50	1.5
5404.7	10000	38.1963	94.4385	-499	PC	3.6	0	11.5	2	1.7	3	0.300	-1	2.067	-1	6.889	-1	2369	47	1.5
5404.6	10000	38.1963	94.4377	-498	PC	3.4	0	11.6	2	1.7	2	0.299	-1	2.015	-1	6.746	-1	2377	44	1.5
5404.5	10000	38.1964	94.4369	-496	PC	3.9	0	11.6	2	1.6	2	0.337	0	2.399	-1	7.115	-1	2366	43	1.5
5404.4	10000	38.1964	94.4361	-494	PC	3.6	0	11.3	2	1.6	2	0.308	0	2.215	-1	7.192	-1	2347	49	1.5
5404.3	10000	38.1964	94.4353	-491	PC	3.4	0	11.0	2	1.7	2	0.303	-1	2.070	-1	6.823	-1	2326	42	1.5
5404.2	10000	38.1964	94.4345	-487	PC	3.5	0	11.3	2	1.6	2	0.318	0	2.155	-1	6.779	-1	2302	40	1.5
5404.1	10000	38.1964	94.4337	-484	PC	3.4	0	10.3	1	1.6	2	0.329	0	2.184	-1	6.643	-1	2259	50	1.5
5404.0	10000	38.1964	94.4329	-479	PC	3.5	0	9.7	1	1.4	1	0.362	0	2.440	-1	6.733	-1	2196	58	1.5
5403.9	10000	38.1965	94.4321	-474	PC	3.5	0	9.4	1	1.4	1	0.377	0	2.524	-1	6.694	-1	2137	40	1.5
5403.8	10000	38.1965	94.4313	-469	PC	3.5	0	9.5	1	1.4	1	0.340	0	2.376	-1	6.995	-1	2081	51	1.5
5403.7	10000	38.1965	94.4305	-462	PC	3.5	0	9.7	1	1.3	1	0.360	0	2.542	-1	7.061	-1	2021	52	1.5
5403.6	10000	38.1965	94.4297	-456	PC	3.5	0	9.8	1	1.2	1	0.386	0	2.917	0	7.552	-1	1996	44	1.5
5403.5	10000	38.1966	94.4289	-449	PC	3.5	0	9.8	1	1.1	0	0.411	1	3.057	0	7.433	-1	1967	36	1.5
5403.4	10000	38.1966	94.4281	-442	PC	3.5	0	9.5	1	1.2	1	0.417	1	3.015	0	7.234	-1	1960	48	1.5
5403.3	10000	38.1966	94.4273	-434	PC	3.5	0	9.3	1	1.2	1	0.368	0	2.688	0	7.298	-1	1980	48	1.5
5403.2	10000	38.1966	94.4265	-427	PC	3.5	0	9.5	1	1.2	1	0.325	0	2.452	-1	7.546	-1	2007	54	1.5
5403.1	10000	38.1966	94.4257	-418	PC	3.5	0	9.8	1	1.3	1	0.330	0	2.164	-1	6.904	-1	2038	38	1.5
5403.0	10000	38.1967	94.4249	-409	PC	3.5	0	9.8	1	1.3	1	0.319	0	2.275	-1	6.904	-1	2081	49	1.5
5402.9	10000	38.1967	94.4241	-399	PC	3.5	0	9.8	1	1.4	1	0.310	0	2.126	-1	6.671	-1	2093	46	1.5
5402.8	10000	38.1967	94.4232	-390	PC	3.5	0	9.8	1	1.4	1	0.298	0	2.152	-1	6.949	-1	2121	51	1.4
5402.7	10000	38.1967	94.4225	-382	PC	3.5	0	9.8	1	1.4	1	0.327	0	2.051	-1	6.894	-1	2141	38	1.4
5402.6	10000	38.1967	94.4216	-373	PC	3.5	0	9.8	1	1.5	1	0.341	0	2.096	-1	6.578	-1	2153	48	1.4
5402.5	10000	38.1968	94.4209	-366	PC	3.5	0	9.8	1	1.5	1	0.315	0	2.311	-2	6.402	-1	2164	49	1.4
5402.4	10000	38.1968	94.4200	-360	PC	3.5	0	9.8	1	1.5	1	0.317	0	2.214	-1	6.768	-1	2172	42	1.4
5402.3	10000	38.1968	94.4193	-356	PC	3.5	0	9.8	1	1.5	1	0.301	0	2.260	-1	7.028	-1	2191	44	1.4
5402.2	10000	38.1968	94.4184	-354	PC	3.5	0	9.8	1	1.5	1	0.289	0	2.111	-1	7.139	-1	2222	37	1.4
5402.1	10000	38.1968	94.4176	-355	PC	3.5	0	9.8	1	1.5	1	0.300	0	2.090	-1	7.009	-1	2245	47	1.4
5402.0	10000	38.1969	94.4168	-358	PC	3.5	0	9.8	1	1.5	1	0.296	0	2.045	-1	7.224	-1	2261	52	1.4
5401.9	10000	38.1969	94.4160	-365	PC	3.5	0	9.8	1	1.5	1	0.280	0	2.192	-1	7.479	-1	2278	39	1.4
5401.8	10000	38.1969	94.4152	-375	PC	3.5	0	9.8	1	1.5	1	0.246	0	2.029	-1	7.405	-1	2277	32	1.4
5401.7	10000	38.1969	94.4144	-388	PC	3.5	0	9.8	1	1.5	1	0.257	0	2.038	-2	7.241	-1	2255	46	1.4
5401.6	10000	38.1970	94.4136	-405	PC	3.5	0	9.8	1	1.5	1	0.281	0	2.078	-1	7.245	-1	2258	25	1.4
5401.5	10000	38.1970	94.4128	-424	PC	3.5	0	9.8	1	1.5	1	0.253	0	2.078	-1	7.231	-1	2199	42	1.4
5401.4	10000	38.1970	94.4120	-443	PC	3.5	0	9.8	1	1.5	1	0.253	0	2.078	-1	7.292	-1	2171	33	1.4
5401.3	10000	38.1970	94.4112	-462	PC	3.5	0	9.8	1	1.5	1	0.253	0	2.078	-1	7.436	-1	2144	43	1.4
5401.2	10000	38.1970	94.4104	-482	PC	3.5	0	9.8	1	1.5	1	0.253	0	2.078	-1	7.880	-1	2144	43	1.4

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5401.1	10000	38.1970	94.4096	-504	PC	2.7	-1	11.3	2	1.3	1	0.237	-1	1.999	-1	8.440	0	2130	50	1.4
5401.0	10000	38.1971	94.4088	-526	PC	2.7	-1	11.3	2	1.3	1	0.236	-1	2.018	-1	8.540	0	2123	39	1.4
5400.9	10000	38.1971	94.4080	-548	PC	2.7	-1	10.8	1	1.3	1	0.248	-1	2.107	-1	8.481	0	2093	42	1.4
5400.8	10000	38.1971	94.4072	-570	PC	3.0	0	10.9	1	1.2	1	0.277	-1	2.597	-1	9.382	0	2066	34	1.4
5400.7	10000	38.1971	94.4064	-592	PC	3.0	0	10.8	1	1.1	0	0.278	-1	2.682	0	9.650	1	2040	54	1.4
5400.6	10000	38.1971	94.4056	-615	PC	3.0	0	10.6	1	1.1	0	0.286	-1	2.665	0	9.331	0	2017	50	1.4
5400.5	10000	38.1972	94.4048	-637	PC	3.3	0	10.2	1	1.1	0	0.317	0	2.869	0	9.038	0	1993	42	1.4
5400.4	10000	38.1972	94.4040	-658	PC	3.2	0	9.7	0	1.1	0	0.332	0	2.966	0	8.922	0	1966	36	1.4
5400.3	10000	38.1972	94.4032	-678	PC	3.3	0	10.0	1	1.0	0	0.334	0	3.175	0	9.496	1	1942	44	1.4
5400.2	10000	38.1972	94.4024	-697	PC	3.0	0	10.1	1	1.0	0	0.297	-1	2.892	0	9.740	1	1934	48	1.4
5400.1	10000	38.1972	94.4016	-715	PC	2.8	-1	9.9	1	1.1	0	0.281	-1	2.617	-1	9.305	0	1907	54	1.4
5400.0	10000	38.1973	94.4008	-731	PC	2.7	-1	9.9	1	1.0	0	0.270	-1	2.634	-1	9.767	1	1890	45	1.4
5399.9	10000	38.1973	94.4000	-745	PC	2.6	-1	10.0	1	1.0	-1	0.260	-1	2.688	0	10.358	1	1858	38	1.4
5399.8	10000	38.1973	94.3992	-758	PC	2.4	-1	9.8	1	0.9	-1	0.244	-1	2.653	0	10.893	1	1834	44	1.4
5399.7	10000	38.1973	94.3984	-770	PC	2.3	-1	9.9	1	0.9	-1	0.235	-1	2.596	-1	11.068	2	1813	62	1.4
5399.6	10000	38.1973	94.3976	-780	PC	2.5	-1	9.3	0	0.8	-1	0.264	-1	2.998	0	11.351	2	1775	47	1.4
5399.5	10000	38.1973	94.3968	-789	PC	2.8	-1	9.5	0	0.8	-1	0.290	-1	3.628	1	12.515	3	1758	37	1.4
5399.4	10000	38.1974	94.3960	-797	PC	3.0	0	9.4	0	0.7	-2	0.318	0	4.116	1	12.944	3	1756	38	1.4
5399.3	10000	38.1974	94.3952	-802	PM	3.1	0	9.4	0	0.7	-2	0.332	0	4.298	2	12.958	3	1753	47	1.4
5399.2	10000	38.1974	94.3944	-807	PM	3.3	0	9.4	0	0.7	-2	0.354	0	4.725	2	13.349	3	1775	39	1.4
5399.1	10000	38.1974	94.3936	-811	PM	3.4	0	9.6	0	0.7	-3	0.351	0	5.081	3	14.471	4	1782	34	1.5
5399.0	10000	38.1975	94.3928	-815	PM	3.5	0	9.8	0	0.7	-3	0.364	0	5.427	4	14.913	4	1798	39	1.5
5398.9	10000	38.1975	94.3920	-817	PM	3.5	0	9.8	0	0.7	-3	0.354	0	5.076	3	14.334	4	1827	48	1.5
5398.8	10000	38.1975	94.3912	-818	PM	3.6	1	9.7	0	0.7	-3	0.369	0	5.169	3	14.026	4	1843	51	1.5
5398.7	10000	38.1975	94.3904	-819	PM	3.5	0	9.8	0	0.7	-3	0.360	0	5.440	4	15.119	5	1854	40	1.5
5398.6	10000	38.1975	94.3896	-819	PM	3.4	0	10.2	1	0.6	-3	0.338	0	5.504	4	16.266	5	1865	52	1.5
5398.5	10000	38.1975	94.3888	-820	PM	3.5	0	10.1	1	0.6	-3	0.338	0	5.368	4	16.280	5	1876	51	1.5
5398.4	10000	38.1976	94.3880	-820	PM	3.4	0	10.0	1	0.6	-3	0.330	0	5.462	4	15.130	5	1883	49	1.5
5398.3	10000	38.1976	94.3872	-820	PM	3.4	0	10.0	1	0.6	-3	0.336	0	5.543	4	15.679	5	1889	47	1.5
5398.2	10000	38.1976	94.3864	-819	PM	3.4	0	10.1	1	0.6	-3	0.337	0	5.637	4	15.916	5	1891	51	1.5
5398.1	10000	38.1976	94.3856	-819	PM	3.4	0	10.1	1	0.6	-3	0.336	0	5.053	4	15.378	5	1894	40	1.5
5398.0	10000	38.1976	94.3848	-819	PM	3.4	0	10.1	1	0.6	-3	0.336	0	4.534	3	13.868	5	1900	48	1.5
5397.9	10000	38.1977	94.3840	-818	PM	3.4	0	10.1	1	0.6	-3	0.336	0	4.520	3	12.980	5	1902	51	1.5
5397.8	10000	38.1977	94.3832	-817	PM	3.4	0	10.1	1	0.6	-3	0.336	0	4.153	3	12.900	5	1905	44	1.5
5397.7	10000	38.1977	94.3824	-816	PM	3.4	0	10.1	1	0.6	-3	0.336	0	3.600	3	13.048	5	1896	50	1.5
5397.6	10000	38.1977	94.3816	-814	PM	3.4	0	10.1	1	0.6	-3	0.336	0	3.502	3	12.143	5	1903	51	1.5
5397.5	10000	38.1977	94.3808	-811	PM	3.4	0	10.1	1	0.6	-3	0.336	0	3.123	3	11.947	5	1900	57	1.5
5397.4	10000	38.1978	94.3800	-810	PM	3.4	0	10.1	1	0.6	-3	0.336	0	3.326	3	11.686	5	1900	57	1.5
5397.3	10000	38.1978	94.3792	-811	PM	3.4	0	10.1	1	0.6	-3	0.336	0	3.374	3	11.827	5	1900	52	1.5
5397.2	10000	38.1978	94.3784	-811	PC	3.4	0	10.1	1	0.6	-3	0.336	0	3.117	3	10.977	5	1877	50	1.5
5397.1	10000	38.1978	94.3776	-811	PC	3.4	0	10.1	1	0.6	-3	0.336	0	3.111	3	10.615	5	1871	38	1.5
5397.0	10000	38.1978	94.3768	-810	PC	3.4	0	10.1	1	0.6	-3	0.336	0	3.192	3	10.666	5	1889	54	1.5
5396.9	10000	38.1979	94.3760	-811	PC	3.4	0	10.1	1	0.6	-3	0.336	0	3.083	3	10.760	5	1892	44	1.5
5396.8	10000	38.1979	94.3752	-811	PC	3.4	0	10.1	1	0.6	-3	0.336	0	2.875	3	10.706	5	1899	41	1.5
5396.7	10000	38.1979	94.3744	-811	PC	3.4	0	10.1	1	0.6	-3	0.336	0	2.990	3	10.828	5	1880	43	1.5
5396.6	10000	38.1979	94.3736	-811	PC	3.4	0	10.1	1	0.6	-3	0.336	0	3.179	3	11.319	5	1882	32	1.6
5396.5	10000	38.1979	94.3727	-810	PC	3.4	0	10.1	1	0.6	-3	0.336	0	3.284	3	11.427	5	1876	45	1.6
5396.4	10000	38.1980	94.3719	-812	PC	3.4	0	10.1	1	0.6	-3	0.336	0	3.262	3	11.262	5	1860	42	1.6
5396.3	10000	38.1980	94.3711	-814	PC	3.4	0	10.1	1	0.6	-3	0.336	0	3.269	3	10.869	5	1849	49	1.6
5396.2	10000	38.1980	94.3703	-817	PC	3.4	0	10.1	1	0.6	-3	0.336	0	3.088	3	10.508	5	1847	33	1.6
5396.1	10000	38.1980	94.3695	-819	PC	3.4	0	10.1	1	0.6	-3	0.336	0	3.556	3	10.681	5	1857	43	1.6
5396.0	10000	38.1980	94.3687	-823	PC	3.5	0	10.1	1	0.6	-3	0.336	0	3.782	3	10.489	5	1882	40	1.6

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FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5395.9	10000	38.1981	94.3679	-825	PC	3.5	0	8.6	-1	1.0	0	0.412	1	3.636	1	8.832	0	1887	41	1.6
5395.8	10000	38.1981	94.3671	-829	PC	3.5	0	9.0	0	1.0	0	0.393	1	3.500	1	8.908	0	1920	45	1.6
5395.7	10000	38.1981	94.3663	-833	PC	3.5	0	9.1	0	1.1	0	0.381	0	3.243	0	8.521	0	1943	52	1.6
5395.6	10000	38.1981	94.3655	-836	PC	3.0	0	9.3	0	1.1	0	0.319	0	2.680	0	8.414	0	1950	42	1.6
5395.5	10000	38.1981	94.3647	-840	PC	2.9	0	9.4	0	1.1	0	0.307	-1	2.601	-1	8.473	0	1936	49	1.6
5395.4	10000	38.1982	94.3639	-845	PC	2.5	-1	9.3	0	1.1	0	0.270	-1	2.213	-1	8.186	0	1926	39	1.6
5395.3	10000	38.1982	94.3631	-849	PC	2.5	-1	9.1	0	1.2	0	0.279	-1	2.119	-1	7.602	-1	1927	58	1.6
5395.2	10000	38.1982	94.3623	-854	PC	2.3	-1	9.4	0	1.3	1	0.245	-1	1.823	-2	7.448	-1	1955	41	1.6
5395.1	10000	38.1982	94.3615	-859	PC	2.2	-1	9.7	0	1.3	1	0.228	-1	1.734	-2	7.592	-1	1988	33	1.6
5395.0	10000	38.1982	94.3607	-864	PC	2.3	-1	9.9	1	1.2	1	0.228	-1	1.808	-2	7.941	-1	2016	57	1.6
5394.9	10000	38.1983	94.3599	-870	PC	2.7	-1	9.5	0	1.3	1	0.280	-1	2.046	-1	7.301	-1	2036	39	1.7
5394.8	10000	38.1983	94.3591	-876	PM	2.8	-1	9.6	0	1.3	1	0.292	-1	2.187	-1	7.483	-1	2070	56	1.7
5394.7	10000	38.1983	94.3583	-882	PM	3.1	0	10.1	1	1.3	1	0.304	-1	2.403	-1	7.912	-1	2099	37	1.7
5394.6	10000	38.1983	94.3575	-889	PM	3.2	0	10.0	1	1.3	1	0.318	-1	2.485	-1	7.809	-1	2140	41	1.7
5394.5	10000	38.1983	94.3567	-896	PM	3.3	0	10.0	1	1.3	1	0.333	0	2.559	-1	7.696	-1	2153	50	1.7
5394.4	10000	38.1983	94.3559	-903	PM	3.4	0	9.6	0	1.3	1	0.350	0	2.596	-1	7.413	-1	2134	40	1.7
5394.3	10000	38.1984	94.3551	-910	PM	3.4	0	9.0	0	1.3	1	0.379	0	2.660	-1	7.020	-1	2113	40	1.7
5394.2	10000	38.1984	94.3543	-918	PM	3.4	0	9.5	0	1.2	1	0.354	0	2.701	-1	7.636	-1	2120	50	1.7
5394.1	10000	38.1984	94.3535	-925	PM	3.4	0	9.5	0	1.3	1	0.357	0	2.653	-1	7.439	-1	2154	51	1.7
5394.0	10000	38.1984	94.3527	-933	PM	3.7	1	9.4	0	1.3	1	0.393	1	2.873	0	7.306	-1	2198	54	1.7
5393.9	10000	38.1984	94.3519	-940	PM	3.8	1	9.3	0	1.3	1	0.405	1	2.945	0	7.278	-1	2203	58	1.7
5393.8	10000	38.1985	94.3511	-946	PM	4.0	1	8.9	-1	1.2	1	0.449	2	3.218	0	7.165	-1	2200	31	1.7
5393.7	10000	38.1985	94.3503	-952	PM	4.1	1	8.9	-1	1.2	1	0.458	2	3.386	0	7.398	-1	2214	52	1.7
5393.6	10000	38.1985	94.3495	-957	PM	4.0	1	9.0	0	1.2	1	0.444	1	3.394	0	7.645	-1	2199	53	1.7
5393.5	10000	38.1985	94.3487	-962	PM	4.2	2	8.7	-1	1.1	0	0.482	2	3.781	1	7.839	-1	2154	40	1.7
5393.4	10000	38.1986	94.3479	-965	PM	4.1	1	8.3	-1	1.0	0	0.487	2	3.955	1	8.128	-1	2089	47	1.7
5393.3	10000	38.1986	94.3471	-967	PM	3.9	1	8.1	-1	0.9	-1	0.478	2	4.073	1	8.524	0	2006	40	1.7
5393.2	10000	38.1986	94.3463	-970	PM	3.6	1	8.5	-1	0.9	-1	0.428	1	4.036	1	9.424	0	1942	43	1.8
5393.1	10000	38.1986	94.3455	-972	PM	3.3	1	8.8	-1	0.9	-1	0.381	0	4.834	1	10.059	0	1878	48	1.8
5393.0	10000	38.1986	94.3447	-972	PM	3.2	1	8.8	-1	0.9	-1	0.394	0	4.928	1	9.973	0	1822	48	1.8
5392.9	10000	38.1987	94.3439	-973	PM	2.7	1	8.8	-1	0.9	-1	0.377	0	4.775	1	9.000	0	1800	39	1.8
5392.8	10000	38.1987	94.3431	-972	PM	2.6	1	8.8	-1	0.9	-1	0.317	0	4.038	1	9.578	0	1799	43	1.8
5392.7	10000	38.1987	94.3423	-971	PM	2.6	1	8.8	-1	0.9	-1	0.313	0	3.856	1	9.129	0	1779	57	1.8
5392.6	10000	38.1987	94.3415	-969	PP	2.6	1	8.8	-1	0.9	-1	0.314	0	3.853	1	9.084	0	1762	41	1.8
5392.5	10000	38.1987	94.3407	-967	PP	2.7	1	8.8	-1	0.9	-1	0.321	0	3.876	1	9.958	0	1742	29	1.8
5392.4	10000	38.1988	94.3399	-964	PP	2.5	1	8.8	-1	0.9	-1	0.356	0	3.996	1	9.406	0	1733	40	1.8
5392.3	10000	38.1988	94.3391	-961	PP	2.2	1	8.8	-1	0.9	-1	0.336	0	3.774	1	9.252	0	1721	36	1.8
5392.2	10000	38.1988	94.3383	-957	PP	2.2	1	8.8	-1	0.9	-1	0.319	0	3.571	1	9.067	0	1708	51	1.8
5392.1	10000	38.1988	94.3375	-953	PP	2.2	1	8.8	-1	0.9	-1	0.351	0	3.792	1	9.955	0	1686	37	1.8
5392.0	10000	38.1988	94.3367	-950	PP	2.2	1	8.8	-1	0.9	-1	0.351	0	3.602	1	7.409	0	1671	49	1.8
5391.9	10000	38.1989	94.3359	-947	PP	2.2	1	8.8	-1	0.9	-1	0.374	0	3.571	1	9.882	0	1649	46	1.8
5391.8	10000	38.1989	94.3351	-944	PP	2.2	1	8.8	-1	0.9	-1	0.384	0	3.533	1	9.592	0	1637	53	1.8
5391.7	10000	38.1989	94.3343	-941	PP	2.2	1	8.8	-1	0.9	-1	0.348	0	3.491	1	9.167	0	1611	40	1.8
5391.6	10000	38.1989	94.3335	-938	PP	2.2	1	8.8	-1	0.9	-1	0.350	0	3.471	1	9.066	0	1583	45	1.8
5391.5	10000	38.1989	94.3327	-936	PP	2.2	1	8.8	-1	0.9	-1	0.375	0	3.664	1	9.108	0	1553	37	1.8
5391.4	10000	38.1990	94.3319	-933	PP	2.2	1	8.8	-1	0.9	-1	0.399	0	3.799	1	9.996	0	1546	39	1.8
5391.3	10000	38.1990	94.3311	-930	PP	2.2	1	8.8	-1	0.9	-1	0.347	0	3.527	1	9.527	0	1533	45	1.8
5391.2	10000	38.1990	94.3303	-927	PP	2.2	1	8.8	-1	0.9	-1	0.352	0	3.703	1	9.032	0	1534	43	1.8
5391.1	10000	38.1990	94.3295	-925	PP	2.2	1	8.8	-1	0.9	-1	0.375	0	3.930	1	9.364	0	1518	38	1.8
5391.0	10000	38.1990	94.3287	-923	PP	2.2	1	8.8	-1	0.9	-1	0.375	0	3.930	1	9.248	0	1534	42	1.8
5390.9	10000	38.1991	94.3279	-920	PP	2.2	1	8.8	-1	0.9	-1	0.375	0	3.930	1	9.681	0	1583	52	1.8
5390.8	10000	38.1991	94.3271	-919	PP	2.2	1	8.8	-1	0.9	-1	0.375	0	3.930	1	9.111	0	1558	52	1.8

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FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5390.7	10000	38.1991	94.3262	-916	PM	2.3	-2	7.5	-2	0.8	-2	0.301	-1	2.724	-1	9.050	0	1591	48	1.8
5390.6	10000	38.1991	94.3255	-914	PM	2.3	-2	7.7	-2	0.8	-2	0.305	-1	2.811	0	9.202	0	1605	43	1.8
5390.5	10000	38.1991	94.3246	-912	PM	2.5	-2	7.3	-2	0.8	-2	0.337	0	2.920	0	8.671	0	1625	40	1.8
5390.4	10000	38.1991	94.3239	-910	PM	2.5	-1	7.6	-2	0.9	-1	0.335	0	2.801	0	8.352	0	1686	46	1.8
5390.3	10000	38.1992	94.3230	-908	PM	2.6	-1	7.7	-2	0.9	-1	0.333	0	2.750	-1	8.261	0	1749	50	1.8
5390.2	10000	38.1992	94.3223	-906	PM	2.7	-1	8.2	-1	1.0	-1	0.329	0	2.823	0	8.588	0	1814	43	1.8
5390.1	10000	38.1992	94.3214	-903	PM	3.1	0	8.2	-1	1.0	-1	0.376	0	3.094	0	8.236	0	1872	35	1.8
5390.0	10000	38.1992	94.3206	-901	PM	3.2	0	8.7	-1	1.0	-1	0.375	0	3.288	0	8.762	0	1924	46	1.8
5389.9	10000	38.1992	94.3198	-899	PM	3.2	0	8.8	-1	1.0	0	0.369	0	3.147	0	8.533	0	1956	37	1.8
5389.8	10000	38.1993	94.3190	-896	PM	3.2	0	9.3	0	1.0	0	0.345	0	3.066	0	8.896	0	1990	44	1.8
5389.7	10000	38.1993	94.3182	-895	PM	3.2	0	9.2	0	1.1	0	0.349	0	3.078	0	8.814	0	1989	39	1.8
5389.6	10000	38.1993	94.3174	-894	PM	3.0	-1	9.2	0	1.1	0	0.327	0	2.860	0	8.755	0	1950	55	1.8
5389.5	10000	38.1993	94.3166	-893	PM	3.1	0	9.0	0	1.1	0	0.348	0	2.864	0	8.225	0	1924	46	1.8
5389.4	10000	38.1993	94.3158	-893	PM	3.0	0	8.8	-1	1.1	0	0.341	0	2.841	0	8.334	0	1910	39	1.8
5389.3	10000	38.1994	94.3150	-893	PM	2.9	0	8.5	-1	1.1	0	0.342	0	2.737	-1	7.995	-1	1893	58	1.8
5389.2	10000	38.1994	94.3142	-894	PM	3.0	0	8.7	-1	1.1	0	0.341	0	2.854	0	8.365	0	1896	40	1.8
5389.1	10000	38.1994	94.3134	-895	PM	2.9	0	8.5	-1	1.1	0	0.351	0	2.847	0	8.104	-1	1874	47	1.8
5389.0	10000	38.1994	94.3126	-896	PM	2.9	0	8.4	-1	1.1	0	0.357	0	2.819	0	7.902	-1	1861	51	1.8
5388.9	10000	38.1994	94.3118	-898	PM	3.0	0	8.3	-1	1.1	0	0.366	0	2.944	0	8.038	-1	1872	42	1.8
5388.8	10000	38.1994	94.3110	-901	PM	2.9	0	8.5	-1	1.1	0	0.341	0	2.839	0	8.321	0	1887	56	1.8
5388.7	10000	38.1994	94.3102	-903	PM	2.9	0	8.6	-1	1.1	0	0.338	0	2.905	0	8.588	0	1901	50	1.8
5388.6	10000	38.1994	94.3095	-906	PM	3.0	0	8.5	-1	1.1	0	0.375	0	3.009	0	8.014	-1	1950	39	1.8
5388.5	10000	38.1994	94.3087	-909	PM	2.9	0	8.6	-1	1.1	0	0.367	0	2.882	0	7.848	-1	1995	39	1.8
5388.4	10000	38.1994	94.3079	-911	PM	3.1	0	9.1	0	1.1	0	0.364	0	3.014	0	8.270	0	2043	40	1.8
5388.3	10000	38.1993	94.3071	-914	PM	3.4	0	9.4	0	1.1	0	0.365	0	3.136	0	8.584	0	2073	63	1.8
5388.2	10000	38.1993	94.3064	-916	PM	3.4	0	9.6	0	1.2	0	0.349	0	2.904	0	8.329	0	2094	43	1.8
5388.1	10000	38.1993	94.3056	-918	PM	3.5	0	9.8	0	1.2	0	0.370	0	2.984	0	8.066	-1	2103	29	1.8
5388.0	10000	38.1993	94.3048	-921	PM	3.6	0	9.9	0	1.2	0	0.372	0	2.952	0	7.944	-1	2105	62	1.8
5387.9	10000	38.1993	94.3040	-922	PM	3.7	0	9.9	0	1.2	0	0.368	0	3.040	0	8.255	0	2101	52	1.8
5387.8	10000	38.1993	94.3033	-924	PM	3.5	0	9.9	0	1.1	0	0.372	0	3.160	0	8.506	0	2081	46	1.8
5387.7	10000	38.1992	94.3025	-925	PM	3.4	0	9.9	0	1.1	0	0.359	0	3.091	0	8.598	0	2059	39	1.8
5387.6	10000	38.1992	94.3017	-926	PM	3.4	0	9.9	0	1.1	0	0.347	0	3.111	0	8.965	0	2042	45	1.8
5387.5	10000	38.1992	94.3009	-927	PM	3.4	0	9.9	0	1.1	0	0.356	0	3.238	0	9.106	0	2028	36	1.8
5387.4	10000	38.1992	94.3002	-928	PM	3.4	0	9.9	0	1.1	0	0.326	0	3.035	0	9.312	0	2015	50	1.8
5387.3	10000	38.1992	94.2994	-929	PM	3.4	0	9.9	0	1.1	0	0.312	0	2.883	0	9.255	0	2011	44	1.8
5387.2	10000	38.1991	94.2986	-930	PM	3.4	0	9.9	0	1.1	0	0.277	0	2.501	0	9.016	0	1984	40	1.8
5387.1	10000	38.1991	94.2979	-931	PM	3.4	0	9.9	0	1.1	0	0.285	0	2.555	-1	8.948	0	1989	41	1.8
5387.0	10000	38.1991	94.2971	-932	PM	3.4	0	9.9	0	1.1	0	0.293	0	2.486	-1	8.491	0	2010	37	1.8
5386.9	10000	38.1991	94.2963	-933	PM	3.4	0	9.9	0	1.1	0	0.265	0	2.222	-1	8.398	0	2034	38	1.8
5386.8	10000	38.1991	94.2955	-933	PM	3.4	0	9.9	0	1.1	0	0.288	0	2.307	-1	8.159	0	2062	37	1.8
5386.7	10000	38.1990	94.2948	-933	PM	3.4	0	9.9	0	1.1	0	0.296	0	2.366	-1	7.996	0	2078	51	1.8
5386.6	10000	38.1990	94.2940	-933	PM	3.4	0	9.9	0	1.1	0	0.307	0	2.506	-1	8.173	0	2077	41	1.8
5386.5	10000	38.1990	94.2932	-933	PM	3.4	0	9.9	0	1.1	0	0.313	0	2.701	-1	8.469	0	2087	42	1.8
5386.4	10000	38.1990	94.2924	-932	PM	3.4	0	9.9	0	1.1	0	0.303	0	2.465	-1	8.147	0	2089	45	1.8
5386.3	10000	38.1990	94.2916	-932	PM	3.4	0	9.9	0	1.1	0	0.306	0	2.446	-1	7.988	0	2095	45	1.8
5386.2	10000	38.1990	94.2909	-931	PM	3.4	0	9.9	0	1.1	0	0.285	0	2.557	-1	7.797	0	2093	44	1.8
5386.1	10000	38.1989	94.2901	-930	PM	3.4	0	9.9	0	1.1	0	0.307	0	2.435	-1	7.972	0	2081	37	1.8
5386.0	10000	38.1989	94.2893	-928	PM	3.4	0	9.9	0	1.1	0	0.282	0	2.408	-1	7.834	0	2079	37	1.8
5385.9	10000	38.1989	94.2885	-924	PM	3.4	0	9.9	0	1.1	0	0.288	0	2.221	-1	7.866	0	2081	46	1.8
5385.8	10000	38.1989	94.2878	-922	PM	3.4	0	9.9	0	1.1	0	0.308	0	2.249	-1	7.796	0	2096	51	1.8
5385.7	10000	38.1989	94.2870	-924	PM	3.4	0	9.9	0	1.1	0	0.318	0	2.456	-1	7.965	0	2073	47	1.8
5385.6	10000	38.1988	94.2862	-923	PM	3.4	0	9.9	0	1.1	0	0.318	0	2.567	-1	8.065	0	2046	47	1.8

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5385.5	10000	38.1988	94.2854	-921	PM	2.9	-1	9.3	0	1.2	1	0.314	-1	2.472	-1	7.884	-1	2027	52	1.7
5385.4	10000	38.1988	94.2847	-920	PM	3.0	0	9.1	0	1.1	0	0.332	0	2.765	-1	8.320	0	2000	53	1.7
5385.3	10000	38.1988	94.2839	-918	PM	3.0	0	9.2	0	1.0	0	0.332	0	2.902	0	8.753	0	1964	61	1.7
5385.2	10000	38.1988	94.2831	-916	PM	3.2	0	8.8	-1	1.0	0	0.366	0	3.164	0	8.643	0	1934	45	1.7
5385.1	10000	38.1988	94.2823	-914	PM	3.0	-1	8.4	-1	0.9	-1	0.357	0	3.193	0	8.949	0	1874	62	1.7
5385.0	10000	38.1987	94.2816	-912	PM	3.0	0	8.6	-1	1.0	-1	0.353	0	3.077	0	8.726	0	1877	43	1.7
5384.9	10000	38.1987	94.2808	-910	PM	3.0	-1	8.5	-1	1.0	-1	0.352	0	3.160	0	8.966	0	1867	44	1.7
5384.8	10000	38.1987	94.2800	-908	PM	3.3	0	8.7	-1	1.0	-1	0.379	0	3.373	0	8.890	0	1868	40	1.7
5384.7	10000	38.1987	94.2793	-906	PM	3.2	0	8.5	-1	1.0	-1	0.382	0	3.246	0	8.498	0	1880	45	1.7
5384.6	10000	38.1987	94.2785	-904	PM	3.4	0	8.5	-1	1.0	0	0.397	1	3.324	0	8.375	0	1910	51	1.7
5384.5	10000	38.1986	94.2777	-903	PM	3.3	0	8.2	-1	1.1	0	0.404	1	3.127	0	7.736	-1	1923	43	1.7
5384.4	10000	38.1986	94.2769	-901	PM	3.6	1	8.2	-1	1.1	0	0.440	1	3.304	0	7.505	-1	1942	58	1.7
5384.3	10000	38.1986	94.2762	-900	PM	3.6	1	7.7	-2	1.1	0	0.475	2	3.405	0	7.163	-1	1911	52	1.7
5384.2	10000	38.1986	94.2754	-899	PM	3.4	0	7.5	-2	1.1	0	0.452	2	3.154	0	6.980	-1	1897	45	1.7
5384.1	10000	38.1986	94.2746	-899	PM	3.3	0	7.5	-2	1.1	0	0.444	1	3.150	0	7.088	-1	1902	41	1.7
5384.0	10000	38.1986	94.2738	-898	PM	3.6	1	7.6	-2	1.1	0	0.470	2	3.367	0	7.172	-1	1905	44	1.7
5383.9	10000	38.1985	94.2731	-898	PM	3.2	0	7.4	-2	1.1	0	0.439	1	3.080	0	7.014	-1	1898	45	1.7
5383.8	10000	38.1985	94.2723	-897	PM	3.4	0	7.9	-1	1.0	0	0.423	1	3.200	0	7.564	-1	1933	40	1.7
5383.7	10000	38.1985	94.2715	-898	PM	3.2	0	8.6	-1	1.1	0	0.373	1	3.009	0	8.068	-1	1983	44	1.6
5383.6	10000	38.1985	94.2707	-899	PM	3.3	0	9.3	0	1.1	0	0.359	1	3.043	0	8.479	0	2049	36	1.6
5383.5	10000	38.1985	94.2700	-898	PM	3.4	0	9.8	0	1.2	0	0.350	1	2.959	0	8.458	0	2114	45	1.6
5383.4	10000	38.1984	94.2692	-899	PM	3.2	0	9.8	0	1.2	0	0.329	1	2.811	0	8.534	0	2131	40	1.6
5383.3	10000	38.1984	94.2684	-899	PM	3.1	0	10.1	1	1.2	-1	0.312	-1	2.672	-1	8.575	0	2150	55	1.6
5383.2	10000	38.1984	94.2676	-899	PM	3.4	0	10.5	1	1.2	-1	0.321	-1	2.775	-1	8.655	0	2184	58	1.6
5383.1	10000	38.1984	94.2668	-899	PM	3.4	0	10.0	1	1.2	0	0.335	0	2.75	-1	8.216	0	2216	55	1.6
5383.0	10000	38.1984	94.2661	-899	PM	3.6	1	10.1	1	1.3	0	0.358	0	2.832	0	7.907	-1	2240	51	1.6
5382.9	10000	38.1983	94.2653	-899	PM	3.7	1	9.7	1	1.3	0	0.379	0	2.817	0	7.432	-1	2247	46	1.6
5382.8	10000	38.1983	94.2645	-899	PM	3.9	1	9.7	1	1.3	1	0.403	1	3.047	0	7.570	-1	2233	47	1.6
5382.7	10000	38.1983	94.2637	-899	PM	4.2	2	10.0	1	1.3	1	0.416	1	3.205	0	7.706	-1	2237	46	1.6
5382.6	10000	38.1983	94.2630	-898	PM	4.0	2	9.6	1	1.3	1	0.420	1	3.274	0	7.788	-1	2217	43	1.6
5382.5	10000	38.1983	94.2622	-898	PM	4.0	2	9.5	1	1.3	1	0.420	1	3.491	0	7.849	-1	2183	44	1.6
5382.4	10000	38.1983	94.2614	-897	PC	3.8	1	9.0	1	1.3	1	0.422	1	3.403	0	8.200	-1	2140	31	1.6
5382.3	10000	38.1982	94.2607	-896	PC	3.7	1	8.8	1	1.3	1	0.420	1	3.142	0	8.725	-1	2104	48	1.6
5382.2	10000	38.1982	94.2599	-895	PC	3.6	1	8.6	1	1.3	1	0.418	1	3.066	0	8.257	-1	2099	46	1.6
5382.1	10000	38.1982	94.2591	-894	PC	3.6	1	8.6	1	1.3	1	0.415	1	3.412	0	8.334	-1	2103	44	1.6
5382.0	10000	38.1982	94.2583	-892	PC	3.6	1	8.6	1	1.3	1	0.415	1	3.772	0	8.329	-1	2106	37	1.6
5381.9	10000	38.1982	94.2576	-891	PC	3.6	1	8.6	1	1.3	1	0.415	1	3.630	0	7.946	-1	2099	55	1.6
5381.8	10000	38.1981	94.2568	-889	PC	3.6	1	8.6	1	1.3	1	0.415	1	3.269	0	7.901	-1	2084	44	1.6
5381.7	10000	38.1981	94.2560	-888	PC	3.6	1	8.6	1	1.3	1	0.415	1	3.227	0	7.933	-1	2070	38	1.6
5381.6	10000	38.1981	94.2552	-887	PC	3.6	1	8.6	1	1.3	1	0.415	1	3.293	0	7.670	0	2032	54	1.6
5381.5	10000	38.1981	94.2545	-886	PC	3.6	1	8.6	1	1.3	1	0.415	1	3.530	0	8.090	0	1989	40	1.6
5381.4	10000	38.1980	94.2537	-885	PM	3.6	1	8.6	1	1.3	1	0.415	1	3.046	0	8.905	0	1977	41	1.6
5381.3	10000	38.1980	94.2529	-884	PM	3.6	1	8.6	1	1.3	1	0.415	1	2.727	0	8.486	0	1987	43	1.6
5381.2	10000	38.1980	94.2521	-883	PM	3.6	1	8.6	1	1.3	1	0.415	1	2.820	0	8.108	0	2043	49	1.6
5381.1	10000	38.1980	94.2514	-882	PM	3.6	1	8.6	1	1.3	1	0.415	1	3.215	0	7.944	0	2103	38	1.5
5381.0	10000	38.1980	94.2506	-881	PM	3.6	1	8.6	1	1.3	1	0.415	1	3.182	0	7.639	0	2134	37	1.5
5380.9	10000	38.1980	94.2498	-880	PM	3.6	1	8.6	1	1.3	1	0.415	1	3.175	0	7.047	-1	2157	47	1.5
5380.8	10000	38.1979	94.2490	-879	PM	3.6	1	8.6	1	1.3	1	0.415	1	3.005	0	6.980	-1	2168	38	1.5
5380.7	10000	38.1979	94.2483	-878	PM	3.6	1	8.6	1	1.3	1	0.415	1	3.065	0	7.176	-1	2135	46	1.5
5380.6	10000	38.1979	94.2475	-877	PM	3.6	1	8.6	1	1.3	1	0.415	1	3.093	0	7.406	-1	2063	47	1.5
5380.5	10000	38.1979	94.2467	-876	PM	3.6	1	8.6	1	1.3	1	0.415	1	2.891	0	7.701	-1	1983	44	1.5
5380.4	10000	38.1979	94.2459	-875	PM	3.6	1	8.6	1	1.3	1	0.415	1	2.891	0	7.701	-1	1917	42	1.5

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
5380.3	10000	38.1979	94.2452	-878	PM	3.2	0	7.8	-2	1.0	0	0.414	1	3.201	0	7.734	-1	1897	46	1.5
5380.2	10000	38.1978	94.2444	-878	PM	3.5	0	8.3	-1	1.0	0	0.426	1	3.445	1	8.091	-1	1918	49	1.5
5380.1	10000	38.1978	94.2436	-878	PM	3.8	1	7.9	-1	1.1	0	0.482	2	3.575	1	7.419	-1	1941	59	1.5
5380.0	10000	38.1978	94.2428	-878	PM	4.2	2	8.1	-1	1.2	1	0.529	3	3.626	1	6.848	-1	1993	35	1.5
5379.9	10000	38.1978	94.2421	-878	PM	4.3	2	8.3	-1	1.2	1	0.530	3	3.608	1	6.806	-1	2053	37	1.5
5379.8	10000	38.1978	94.2413	-878	PM	4.6	2	8.4	-1	1.2	1	0.549	3	3.834	1	6.978	-1	2080	37	1.5
5379.7	10000	38.1977	94.2405	-878	PM	4.4	2	8.8	-1	1.2	1	0.529	3	3.816	1	7.217	-1	2066	39	1.5
5379.6	10000	38.1977	94.2397	-878	PM	4.1	2	8.8	-1	1.2	1	0.470	2	3.516	1	7.481	-1	2023	45	1.5
5379.5	10000	38.1977	94.2390	-878	PM	3.7	1	8.5	-1	1.2	1	0.431	1	3.157	0	7.325	-1	1966	42	1.5
5379.4	10000	38.1977	94.2382	-878	PM	3.5	0	8.0	-1	1.1	0	0.444	1	3.177	0	7.151	-1	1905	50	1.5
5379.3	10000	38.1977	94.2374	-877	PM	3.2	0	8.1	-1	1.0	0	0.390	1	3.014	0	7.730	-1	1847	50	1.5
5379.2	10000	38.1977	94.2366	-877	PM	3.0	-1	8.4	-1	1.0	0	0.355	0	2.834	0	7.984	-1	1789	39	1.5
5379.1	10000	38.1976	94.2359	-875	PM	2.7	-1	8.1	-1	1.0	0	0.329	0	2.650	-1	8.046	-1	1746	40	1.5
5379.0	10000	38.1976	94.2351	-874	PM	2.6	-1	7.8	-2	1.0	-1	0.326	0	2.581	-1	7.923	-1	1722	45	1.5
5378.9	10000	38.1976	94.2343	-872	PM	2.7	-1	7.5	-2	1.0	-1	0.362	0	2.790	0	7.713	-1	1699	64	1.5
5378.8	10000	38.1976	94.2335	-870	PM	2.8	-1	7.3	-2	0.9	-1	0.386	0	3.113	0	8.065	-1	1671	44	1.5
5378.7	10000	38.1976	94.2328	-867	PM	2.7	-1	7.6	-2	0.9	-1	0.358	0	3.038	0	8.488	0	1671	50	1.5
5378.6	10000	38.1975	94.2320	-865	PM	2.9	-1	7.2	-2	0.9	-1	0.399	0	3.242	1	8.127	-1	1657	46	1.5
5378.5	10000	38.1975	94.2312	-863	PM	3.1	0	6.7	-3	0.8	-2	0.469	1	3.728	1	7.948	-1	1661	45	1.5
5378.4	10000	38.1975	94.2304	-861	PM	3.5	0	6.6	-3	0.9	-1	0.529	2	4.035	1	7.628	-1	1689	36	1.5
5378.3	10000	38.1975	94.2297	-859	PM	3.6	1	6.9	-2	0.9	-1	0.531	3	4.147	2	7.816	-1	1720	45	1.5
5378.2	10000	38.1975	94.2289	-857	PM	3.7	1	6.9	-2	0.9	-1	0.542	3	4.165	2	7.690	-1	1760	36	1.5
5378.1	10000	38.1974	94.2281	-857	PM	3.9	1	6.7	-3	0.9	-1	0.585	4	4.247	2	7.258	-1	1778	41	1.5
5378.0	10000	38.1974	94.2273	-856	PM	3.9	1	6.9	-2	0.9	-1	0.564	3	4.159	2	7.375	-1	1779	50	1.5
5377.9	10000	38.1974	94.2266	-856	PM	3.7	1	7.0	-2	0.9	-1	0.533	3	4.057	1	7.616	-1	1790	53	1.5
5377.8	10000	38.1974	94.2258	-856	PM	3.6	1	7.4	-2	0.9	-1	0.482	2	3.838	1	7.959	-1	1802	49	1.5
5377.7	10000	38.1974	94.2250	-857	PM	3.6	1	7.7	-2	0.9	-1	0.464	2	3.669	1	8.161	-1	1799	40	1.5
5377.6	10000	38.1973	94.2242	-858	PM	3.6	1	7.7	-2	0.9	-1	0.464	2	3.693	1	8.039	-1	1822	42	1.5
5377.5	10000	38.1973	94.2235	-859	PM	3.6	1	7.7	-2	0.9	-1	0.464	2	3.702	1	8.347	-1	1849	51	1.5
5377.4	10000	38.1973	94.2227	-861	PM	3.6	1	7.7	-2	0.9	-1	0.464	2	3.799	1	8.305	-1	1876	51	1.5
5377.3	10000	38.1973	94.2219	-863	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	8.439	-1	1874	42	1.5
5377.2	10000	38.1973	94.2211	-864	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	8.042	-1	1878	42	1.4
5377.1	10000	38.1973	94.2204	-866	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	7.648	-1	1858	44	1.4
5377.0	10000	38.1972	94.2196	-867	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	7.527	-1	1831	49	1.5
5376.9	10000	38.1972	94.2188	-867	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	7.844	-1	1767	49	1.5
5376.8	10000	38.1972	94.2180	-867	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	8.365	-1	1691	55	1.5
5376.7	10000	38.1972	94.2173	-867	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	8.956	-1	1645	34	1.5
5376.6	10000	38.1972	94.2165	-866	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	8.900	-1	1613	49	1.5
5376.5	10000	38.1971	94.2157	-865	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	9.236	-1	1581	53	1.5
5376.4	10000	38.1971	94.2149	-864	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	9.382	-1	1566	45	1.5
5376.3	10000	38.1971	94.2142	-862	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	9.116	-1	1544	41	1.5
5376.2	10000	38.1971	94.2134	-861	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	9.359	-1	1532	45	1.5
5376.1	10000	38.1971	94.2126	-859	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	9.503	-1	1545	56	1.4
5376.0	10000	38.1971	94.2118	-858	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	9.570	-1	1581	46	1.4
5375.9	10000	38.1970	94.2111	-856	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	9.931	-1	1665	49	1.4
5375.8	10000	38.1970	94.2103	-855	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	9.887	-1	1748	36	1.4
5375.7	10000	38.1970	94.2095	-854	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	9.959	-1	1854	49	1.4
5375.6	10000	38.1970	94.2087	-852	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	9.265	-1	1950	41	1.5
5375.5	10000	38.1969	94.2080	-851	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	9.524	-1	2088	45	1.5
5375.4	10000	38.1969	94.2072	-850	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	9.192	-1	2210	53	1.5
5375.3	10000	38.1969	94.2064	-849	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	9.812	-1	2295	48	1.5
5375.2	10000	38.1969	94.2056	-847	PM	3.7	1	7.7	-2	0.9	-1	0.464	2	3.799	1	9.862	-1	2334	56	1.5

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FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5375.1	10000	38.1969	94.2049	-846	PM	4.4	2	11.2	2	1.4	2	0.392	1	3.150	0	8.046	-1	2367	40	1.5
5375.0	10000	38.1969	94.2041	-846	PM	4.2	2	11.1	2	1.4	2	0.378	0	3.005	0	7.945	-1	2364	55	1.5
5374.9	10000	38.1968	94.2033	-846	PM	4.2	2	10.8	1	1.4	2	0.388	1	2.975	0	7.675	-1	2377	41	1.5
5374.8	10000	38.1968	94.2025	-845	PM	4.1	2	10.7	1	1.4	2	0.386	1	2.999	0	7.777	-1	2357	32	1.5
5374.7	10000	38.1968	94.2018	-844	PM	4.4	2	10.7	1	1.4	2	0.411	1	3.192	0	7.771	-1	2329	46	1.5
5374.6	10000	38.1968	94.2010	-843	PM	4.2	2	10.7	1	1.3	2	0.394	1	3.202	0	8.125	-1	2306	51	1.5
5374.5	10000	38.1968	94.2002	-844	PM	4.2	2	10.7	1	1.3	1	0.397	1	3.288	0	8.281	0	2290	36	1.5
5374.4	10000	38.1968	94.1994	-845	PM	3.7	1	10.5	1	1.3	1	0.347	0	2.833	0	8.156	-1	2254	40	1.5
5374.3	10000	38.1969	94.1987	-845	PM	3.8	1	10.3	1	1.2	1	0.365	0	3.061	0	8.377	0	2215	46	1.5
5374.2	10000	38.1969	94.1979	-846	PM	3.7	1	10.5	1	1.2	1	0.353	0	3.173	0	8.978	0	2173	45	1.5
5374.1	10000	38.1969	94.1971	-847	PM	3.7	1	10.4	1	1.1	0	0.353	0	3.304	0	9.354	0	2145	52	1.5
5374.0	10000	38.1969	94.1964	-848	PM	3.3	1	10.0	1	1.1	0	0.330	0	2.932	0	8.884	0	2106	59	1.5
5373.9	10000	38.1969	94.1956	-849	PM	3.3	0	9.8	0	1.1	0	0.340	0	2.919	0	8.583	0	2082	59	1.5
5373.8	10000	38.1969	94.1948	-850	PM	3.2	0	9.8	0	1.2	0	0.325	-1	2.759	0	8.496	0	2053	38	1.5
5373.7	10000	38.1969	94.1941	-851	PM	3.4	0	9.6	0	1.1	0	0.360	0	3.104	0	8.634	0	2042	41	1.5
5373.6	10000	38.1970	94.1933	-852	PM	3.3	0	9.9	0	1.2	1	0.333	-1	2.752	-1	8.252	0	2065	42	1.5
5373.5	10000	38.1970	94.1925	-853	PM	3.3	0	9.9	0	1.3	1	0.335	-1	2.649	-1	7.914	-1	2093	46	1.5
5373.4	10000	38.1970	94.1917	-854	PM	3.4	0	9.9	0	1.3	1	0.337	-1	2.567	-1	7.611	-1	2104	50	1.5
5373.3	10000	38.1970	94.1910	-855	PM	3.4	1	10.3	1	1.3	2	0.336	-1	2.627	-1	7.807	-1	2131	38	1.5
5373.2	10000	38.1970	94.1902	-856	PM	3.3	1	10.2	1	1.3	2	0.324	-1	2.467	-1	7.607	-1	2159	50	1.5
5373.1	10000	38.1970	94.1894	-857	PM	3.5	1	10.5	1	1.4	2	0.336	-1	2.512	-1	7.466	-1	2208	50	1.5
5373.0	10000	38.1970	94.1887	-858	PM	3.6	1	11.0	1	1.4	2	0.331	-1	2.525	-1	7.625	-1	2265	42	1.5
5372.9	10000	38.1971	94.1879	-859	PM	3.9	1	11.5	1	1.4	2	0.340	0	2.818	0	8.277	0	2300	51	1.5
5372.8	10000	38.1971	94.1871	-860	PM	3.7	1	11.6	1	1.4	2	0.317	-1	2.594	-1	8.192	0	2309	47	1.5
5372.7	10000	38.1971	94.1863	-860	PM	3.7	1	12.1	2	1.4	2	0.305	-1	2.610	-1	8.570	0	2330	36	1.5
5372.6	10000	38.1971	94.1856	-860	PM	3.9	1	12.2	2	1.4	2	0.320	-1	2.813	0	8.793	0	2338	35	1.5
5372.5	10000	38.1971	94.1848	-861	PM	4.0	1	12.5	2	1.4	2	0.322	0	2.986	0	9.271	0	2326	58	1.5
5372.4	10000	38.1971	94.1840	-862	PM	4.1	1	12.1	2	1.3	2	0.335	0	3.195	0	9.540	0	2310	43	1.5
5372.3	10000	38.1971	94.1833	-862	PM	4.0	1	11.7	2	1.2	1	0.340	0	3.214	0	9.442	0	2278	41	1.6
5372.2	10000	38.1972	94.1825	-863	PM	3.8	0	11.0	1	1.2	1	0.345	0	3.040	0	8.882	0	2227	50	1.6
5372.1	10000	38.1972	94.1817	-863	PM	3.6	0	10.5	1	1.1	0	0.340	0	3.309	0	9.582	0	2203	32	1.6
5372.0	10000	38.1972	94.1809	-863	PM	3.5	0	10.2	1	1.1	0	0.343	0	3.015	0	8.604	0	2161	54	1.6
5371.9	10000	38.1972	94.1802	-864	PM	3.5	0	10.1	1	1.1	0	0.346	0	3.033	0	8.764	0	2123	42	1.6
5371.8	10000	38.1972	94.1794	-864	PM	3.5	0	10.1	1	1.1	0	0.346	0	3.034	0	8.766	0	2088	46	1.6
5371.7	10000	38.1972	94.1786	-865	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	2048	38	1.6
5371.6	10000	38.1972	94.1779	-865	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	2018	47	1.6
5371.5	10000	38.1973	94.1771	-867	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	2008	47	1.6
5371.4	10000	38.1973	94.1763	-868	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	2001	47	1.6
5371.3	10000	38.1973	94.1756	-868	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	2006	45	1.6
5371.2	10000	38.1973	94.1748	-870	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	2013	52	1.6
5371.1	10000	38.1973	94.1740	-872	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	2042	55	1.6
5371.0	10000	38.1973	94.1732	-873	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	2042	47	1.6
5370.9	10000	38.1973	94.1725	-875	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	2044	45	1.6
5370.8	10000	38.1974	94.1717	-876	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	2036	45	1.6
5370.7	10000	38.1974	94.1709	-879	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	2017	53	1.6
5370.6	10000	38.1974	94.1702	-881	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	2007	55	1.6
5370.5	10000	38.1974	94.1694	-882	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	1977	52	1.6
5370.4	10000	38.1974	94.1686	-884	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	1920	56	1.6
5370.3	10000	38.1974	94.1678	-886	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	1897	52	1.6
5370.2	10000	38.1974	94.1671	-888	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	1855	52	1.6
5370.1	10000	38.1975	94.1663	-890	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	1836	45	1.6
5370.0	10000	38.1975	94.1655	-891	PM	3.4	0	10.0	1	1.1	0	0.340	0	3.060	0	8.884	0	1814	49	1.6

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5369.9	10000	38.1975	94.1647	-894	PM	3.7	1	7.7	-2	0.8	-2	0.479	2	4.786	3	9.990	1	1793	31	1.7
5369.8	10000	38.1975	94.1640	-895	PM	3.4	0	7.9	-1	0.8	-2	0.436	1	4.367	2	10.011	1	1777	41	1.7
5369.7	10000	38.1975	94.1632	-897	PM	3.2	0	8.3	-1	0.9	-1	0.390	1	3.786	1	9.703	1	1774	33	1.7
5369.6	10000	38.1975	94.1624	-899	PM	3.1	0	8.4	-1	0.9	-1	0.367	0	3.484	1	9.505	0	1772	49	1.7
5369.5	10000	38.1975	94.1617	-900	PM	3.1	0	8.6	-1	0.9	-1	0.362	0	3.443	1	9.519	0	1791	55	1.7
5369.4	10000	38.1975	94.1609	-901	PM	2.8	-1	8.9	-1	0.9	-1	0.320	-1	3.097	0	9.687	1	1812	58	1.7
5369.3	10000	38.1976	94.1601	-904	PM	2.5	-1	9.4	0	1.0	-1	0.271	-1	2.579	-1	9.501	0	1846	36	1.7
5369.2	10000	38.1976	94.1593	-905	PM	2.3	-2	9.4	0	1.1	0	0.241	-2	2.082	-2	8.654	0	1884	39	1.7
5369.1	10000	38.1976	94.1586	-907	PM	2.4	-2	9.6	0	1.1	0	0.249	-2	2.234	-1	8.984	0	1929	51	1.7
5369.0	10000	38.1976	94.1578	-910	PM	2.5	-2	9.7	0	1.0	0	0.259	-2	2.419	-1	9.340	0	1964	51	1.7
5368.9	10000	38.1976	94.1570	-911	PM	2.7	-1	9.8	0	1.1	0	0.271	-1	2.531	-1	9.338	0	1999	54	1.7
5368.8	10000	38.1976	94.1563	-914	PM	2.6	-1	10.6	1	1.0	0	0.244	-2	2.467	-1	10.124	1	2044	53	1.7
5368.7	10000	38.1976	94.1555	-915	PM	2.7	-1	10.4	1	1.0	0	0.258	-2	2.574	-1	9.989	1	2069	47	1.7
5368.6	10000	38.1977	94.1547	-917	PM	2.8	-1	10.4	1	1.0	0	0.270	-1	2.752	-1	10.202	1	2080	54	1.7
5368.5	10000	38.1977	94.1539	-919	PM	3.0	-1	10.2	1	1.0	0	0.293	-1	3.083	0	10.511	1	2075	44	1.7
5368.4	10000	38.1977	94.1532	-921	PM	3.3	0	9.8	1	1.0	0	0.332	0	3.239	0	9.768	1	2062	48	1.7
5368.3	10000	38.1977	94.1524	-923	PM	3.4	0	9.5	1	1.0	0	0.358	0	3.407	0	9.516	0	2054	58	1.7
5368.2	10000	38.1977	94.1516	-925	PC	3.6	0	9.5	1	1.0	0	0.376	0	3.642	1	9.695	1	2054	45	1.7
5368.1	10000	38.1977	94.1509	-927	PC	3.7	1	8.8	1	1.0	0	0.422	1	3.817	1	9.037	0	2038	43	1.7
5368.0	10000	38.1977	94.1501	-930	PC	3.9	1	8.7	1	1.0	0	0.446	1	4.015	1	8.997	0	2052	44	1.7
5367.9	10000	38.1978	94.1493	-932	PC	4.0	1	8.3	1	1.0	0	0.478	2	4.052	1	8.483	0	2073	49	1.8
5367.8	10000	38.1978	94.1486	-934	PC	4.1	1	8.4	1	1.0	0	0.483	2	4.141	1	8.576	0	2095	51	1.8
5367.7	10000	38.1978	94.1478	-936	PC	4.0	1	8.5	1	1.0	0	0.469	1	3.941	1	8.403	0	2110	52	1.8
5367.6	10000	38.1978	94.1470	-938	PC	4.0	1	9.0	1	1.0	0	0.448	1	3.854	1	8.602	0	2151	45	1.8
5367.5	10000	38.1978	94.1462	-939	PC	3.7	1	9.2	1	1.1	0	0.405	1	3.373	0	8.330	0	2181	49	1.8
5367.4	10000	38.1978	94.1455	-942	PC	3.7	1	9.1	1	1.2	0	0.403	1	3.192	0	7.919	-1	2214	47	1.8
5367.3	10000	38.1978	94.1447	-944	PC	3.7	1	9.0	1	1.1	0	0.412	1	3.284	0	7.967	-1	2190	43	1.8
5367.2	10000	38.1979	94.1439	-945	PC	3.8	1	9.4	1	1.1	0	0.422	1	3.399	0	8.045	0	2161	38	1.8
5367.1	10000	38.1979	94.1432	-947	PC	3.9	1	8.4	-1	1.1	0	0.470	1	3.587	1	7.640	-1	2116	34	1.8
5367.0	10000	38.1979	94.1424	-949	PC	3.7	1	8.1	-1	1.1	0	0.456	1	3.622	1	7.945	-1	2072	41	1.8
5366.9	10000	38.1979	94.1416	-950	PC	3.5	1	7.5	-1	1.1	0	0.442	1	3.584	1	8.110	-1	2020	48	1.8
5366.8	10000	38.1979	94.1408	-951	PC	3.5	1	7.6	-1	1.1	0	0.460	1	3.845	1	8.361	-1	1950	39	1.8
5366.7	10000	38.1979	94.1401	-953	PC	3.4	1	7.4	-1	1.1	0	0.490	1	4.257	1	8.685	-1	1881	61	1.8
5366.6	10000	38.1979	94.1393	-954	PC	3.4	1	7.5	-1	1.1	0	0.491	1	4.403	1	8.966	-1	1844	41	1.8
5366.5	10000	38.1980	94.1385	-955	PC	3.4	1	7.7	0	1.1	0	0.456	1	4.082	1	8.958	-1	1820	53	1.8
5366.4	10000	38.1980	94.1378	-957	PC	3.4	1	7.7	0	1.1	0	0.405	1	3.536	1	8.727	-1	1830	49	1.8
5366.3	10000	38.1980	94.1370	-958	PC	3.4	1	7.7	0	1.1	0	0.391	1	3.325	1	8.496	-1	1868	50	1.8
5366.2	10000	38.1980	94.1362	-959	PC	3.4	1	7.7	0	1.1	0	0.405	1	3.009	1	8.424	-1	1893	38	1.8
5366.1	10000	38.1980	94.1354	-960	PC	3.4	1	7.7	0	1.1	0	0.421	1	2.942	1	8.989	-1	1935	40	1.8
5366.0	10000	38.1980	94.1347	-961	PC	3.4	1	7.7	0	1.1	0	0.397	1	2.791	1	9.038	-1	1958	46	1.8
5365.9	10000	38.1980	94.1339	-962	PC	3.4	1	7.7	0	1.1	0	0.369	1	2.411	1	9.534	-1	2011	45	1.8
5365.8	10000	38.1981	94.1331	-963	PC	3.4	1	7.7	0	1.1	0	0.391	1	2.570	1	9.576	-1	2091	41	1.8
5365.7	10000	38.1981	94.1324	-964	PC	3.4	1	7.7	0	1.1	0	0.402	1	2.886	1	9.118	-1	2184	37	1.8
5365.6	10000	38.1981	94.1316	-965	PC	3.4	1	7.7	0	1.1	0	0.455	1	3.037	1	9.293	-1	2244	55	1.8
5365.5	10000	38.1981	94.1308	-966	PC	3.4	1	7.7	0	1.1	0	0.461	1	3.491	1	9.578	-1	2298	51	1.8
5365.4	10000	38.1981	94.1301	-968	PC	3.4	1	7.7	0	1.1	0	0.453	1	3.391	1	9.865	-1	2327	42	1.8
5365.3	10000	38.1981	94.1293	-969	PC	3.4	1	7.7	0	1.1	0	0.453	1	3.416	1	9.540	-1	2339	48	1.8
5365.2	10000	38.1982	94.1285	-970	PC	3.4	1	7.7	0	1.1	0	0.448	1	3.696	1	9.693	-1	2305	45	1.8
5365.1	10000	38.1982	94.1277	-972	PC	3.4	1	7.7	0	1.1	0	0.449	1	3.750	1	9.810	-1	2231	32	1.8
5365.0	10000	38.1982	94.1270	-973	PC	3.4	1	7.7	0	1.1	0	0.439	1	3.723	1	9.564	-1	2137	28	1.8
5364.9	10000	38.1982	94.1262	-973	PC	3.4	1	7.7	0	1.1	0	0.429	1	3.751	1	9.174	-1	2053	42	1.8
5364.8	10000	38.1982	94.1254	-975	PC	3.4	1	7.7	0	1.1	0	0.429	1	3.751	1	9.266	-1	1988	28	1.8

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5364.7	10000	38.1982	94.1246	-976	PC	3.2	0	7.6	-1	1.0	0	0.421	1	3.230	0	7.669	-1	1933	44	1.8
5364.6	10000	38.1982	94.1239	-977	PC	3.1	0	8.2	-1	1.0	0	0.383	0	3.136	0	8.184	0	1910	46	1.8
5364.5	10000	38.1982	94.1231	-978	PC	3.0	0	8.1	-1	1.0	-1	0.370	0	3.154	0	8.516	0	1899	39	1.8
5364.4	10000	38.1982	94.1223	-979	PC	3.3	0	8.2	-1	1.0	-1	0.399	1	3.417	1	8.573	0	1890	45	1.8
5364.3	10000	38.1983	94.1216	-981	PC	3.1	0	8.4	-1	0.9	-1	0.374	0	3.395	0	9.080	0	1875	38	1.8
5364.2	10000	38.1983	94.1208	-982	PC	3.3	0	8.6	-1	0.9	-1	0.382	0	3.585	1	9.383	0	1869	44	1.8
5364.1	10000	38.1983	94.1200	-984	PC	3.2	0	8.4	-1	0.9	-1	0.385	0	3.570	1	9.284	0	1851	57	1.8
5364.0	10000	38.1983	94.1192	-985	PC	3.3	0	8.1	-1	0.9	-1	0.410	1	3.707	1	9.051	0	1846	45	1.8
5363.9	10000	38.1983	94.1185	-987	PC	3.1	0	7.9	-1	0.9	-1	0.392	1	3.575	1	9.110	0	1827	38	1.8
5363.8	10000	38.1983	94.1177	-988	PC	3.1	0	7.8	-1	0.8	-1	0.398	1	3.668	1	9.216	0	1804	46	1.8
5363.7	10000	38.1983	94.1169	-990	PC	2.9	0	7.8	-1	0.8	-1	0.374	0	3.440	1	9.205	0	1801	44	1.8
5363.6	10000	38.1983	94.1162	-991	PC	2.8	-1	7.9	-1	0.9	-1	0.349	0	3.102	0	8.880	0	1801	38	1.8
5363.5	10000	38.1984	94.1154	-991	PC	2.7	-1	7.9	-1	0.9	-1	0.349	0	3.084	0	8.848	0	1808	52	1.8
5363.4	10000	38.1984	94.1146	-993	PC	2.7	-1	8.3	-1	0.9	-1	0.331	0	2.947	0	8.900	0	1822	51	1.8
5363.3	10000	38.1984	94.1138	-994	PC	2.4	-1	8.4	-1	1.0	-1	0.290	-1	2.551	-1	8.806	0	1829	41	1.8
5363.2	10000	38.1984	94.1131	-995	PC	2.6	-1	8.7	0	1.0	-1	0.297	-1	2.705	0	9.105	0	1843	53	1.8
5363.1	10000	38.1984	94.1123	-996	PC	2.7	-1	8.9	0	1.0	0	0.303	-1	2.739	0	9.055	0	1856	45	1.8
5363.0	10000	38.1984	94.1115	-997	PC	2.6	-1	8.9	0	1.0	0	0.288	-1	2.611	-1	9.060	0	1863	36	1.8
5362.9	10000	38.1984	94.1108	-999	PC	2.7	-1	8.2	-1	1.0	-1	0.333	0	2.868	0	8.602	0	1880	42	1.8
5362.8	10000	38.1985	94.1100	-1000	PC	2.8	-1	8.6	-1	1.0	0	0.326	0	2.822	0	8.671	0	1896	40	1.8
5362.7	10000	38.1985	94.1092	-1001	PC	3.0	0	8.9	0	1.0	0	0.332	0	3.033	0	9.144	0	1932	53	1.8
5362.6	10000	38.1985	94.1084	-1003	PC	3.3	0	9.3	0	1.0	0	0.353	0	3.360	1	9.530	1	1965	46	1.8
5362.5	10000	38.1985	94.1077	-1005	PC	3.3	0	9.3	0	1.0	0	0.361	0	3.325	0	9.219	0	1996	44	1.8
5362.4	10000	38.1985	94.1069	-1007	PC	3.4	0	9.6	0	1.0	0	0.356	0	3.360	0	9.436	0	2044	50	1.7
5362.3	10000	38.1985	94.1061	-1009	PC	3.6	0	9.8	0	1.0	0	0.370	0	3.590	1	9.703	1	2066	52	1.7
5362.2	10000	38.1985	94.1054	-1011	PC	3.7	1	10.3	1	1.0	0	0.353	0	3.485	1	9.862	1	2089	60	1.7
5362.1	10000	38.1986	94.1046	-1012	PC	3.6	1	10.4	1	1.0	0	0.343	0	3.418	1	9.959	1	2089	50	1.7
5362.0	10000	38.1986	94.1038	-1014	PC	3.5	1	10.3	1	1.0	0	0.337	0	3.311	0	9.833	1	2059	42	1.7
5361.9	10000	38.1986	94.1031	-1017	PC	3.5	1	9.9	1	1.0	0	0.351	0	3.314	0	9.444	0	2028	54	1.7
5361.8	10000	38.1986	94.1023	-1019	PC	3.4	0	9.7	0	1.0	0	0.353	0	3.353	0	9.495	1	2000	46	1.7
5361.7	10000	38.1986	94.1015	-1021	PC	3.2	0	9.5	0	1.0	0	0.350	0	3.213	0	9.191	0	1965	49	1.7
5361.6	10000	38.1986	94.1007	-1023	PC	3.1	0	9.6	0	1.0	0	0.329	0	2.999	0	9.113	0	1941	46	1.7
5361.5	10000	38.1986	94.1000	-1025	PC	3.2	0	9.8	0	1.0	0	0.326	0	3.181	0	9.751	1	1908	46	1.7
5361.4	10000	38.1987	94.0992	-1027	PC	3.2	0	9.8	0	1.0	0	0.350	0	3.412	0	9.745	1	1883	46	1.7
5361.3	10000	38.1987	94.0984	-1029	PC	3.2	0	9.8	0	1.0	0	0.350	0	3.415	0	9.745	1	1865	44	1.7
5361.2	10000	38.1987	94.0977	-1030	PC	3.3	0	9.8	0	1.0	0	0.366	0	3.701	0	9.121	1	1864	53	1.7
5361.1	10000	38.1987	94.0969	-1032	PC	3.2	0	9.8	0	1.0	0	0.345	0	3.555	0	9.311	1	1866	47	1.7
5361.0	10000	38.1987	94.0961	-1034	PC	3.2	0	9.8	0	1.0	0	0.326	0	3.236	0	9.920	1	1858	44	1.7
5360.9	10000	38.1987	94.0953	-1035	PC	3.2	0	9.8	0	1.0	0	0.338	0	3.257	0	9.635	1	1852	46	1.7
5360.8	10000	38.1987	94.0946	-1037	PC	3.2	0	9.8	0	1.0	0	0.341	0	3.310	0	9.702	1	1849	43	1.7
5360.7	10000	38.1987	94.0938	-1038	PC	3.2	0	9.8	0	1.0	0	0.342	0	3.262	0	9.531	1	1825	46	1.7
5360.6	10000	38.1987	94.0930	-1039	PC	3.2	0	9.8	0	1.0	0	0.362	0	3.446	0	9.514	1	1803	37	1.7
5360.5	10000	38.1988	94.0923	-1040	PC	3.2	0	9.8	0	1.0	0	0.346	0	3.219	0	9.290	1	1763	53	1.7
5360.4	10000	38.1988	94.0915	-1041	PC	3.2	0	9.8	0	1.0	0	0.365	0	3.612	0	9.889	1	1719	39	1.7
5360.3	10000	38.1988	94.0907	-1041	PC	3.2	0	9.8	0	1.0	0	0.372	0	3.919	0	9.540	1	1683	52	1.7
5360.2	10000	38.1988	94.0899	-1042	PC	3.2	0	9.8	0	1.0	0	0.391	0	4.190	0	10.718	1	1667	42	1.7
5360.1	10000	38.1988	94.0892	-1042	PC	3.2	0	9.8	0	1.0	0	0.396	0	4.247	0	10.736	1	1639	59	1.7
5360.0	10000	38.1988	94.0884	-1041	PC	3.2	0	9.8	0	1.0	0	0.369	0	3.947	0	10.684	1	1632	46	1.7
5359.9	10000	38.1988	94.0876	-1040	PC	3.2	0	9.8	0	1.0	0	0.357	0	3.714	0	10.403	1	1626	53	1.7
5359.8	10000	38.1989	94.0869	-1040	PC	3.2	0	9.8	0	1.0	0	0.351	0	3.595	0	10.871	1	1620	39	1.7
5359.7	10000	38.1989	94.0861	-1038	PC	3.2	0	9.8	0	1.0	0	0.370	0	3.781	0	10.710	1	1610	47	1.6
5359.6	10000	38.1989	94.0853	-1036	PC	2.7	-1	7.1	-2	1.0	-2	0.375	-2	3.781	-1	10.085	1	1608	41	1.6

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5359.5	10000	38.1989	94.0846	-1035	PC	2.6	-1	6.9	-2	0.7	-2	0.382	0	3.735	1	9.767	1	1608	46	1.6
5359.4	10000	38.1989	94.0838	-1033	PC	2.5	-1	6.9	-2	0.8	-1	0.369	0	3.382	0	9.154	0	1629	58	1.6
5359.3	10000	38.1989	94.0831	-1031	PC	3.0	0	7.1	-2	0.7	-2	0.424	1	4.164	1	9.814	1	1649	43	1.6
5359.2	10000	38.1989	94.0823	-1030	PC	3.2	0	7.2	-2	0.7	-2	0.449	1	4.552	2	10.128	1	1683	45	1.6
5359.1	10000	38.1989	94.0816	-1029	PC	3.3	0	7.2	-2	0.8	-1	0.463	1	4.430	2	9.561	1	1714	52	1.6
5359.0	10000	38.1989	94.0808	-1028	PC	3.5	0	7.9	-1	0.8	-1	0.448	1	4.517	2	10.092	1	1779	54	1.6
5358.9	10000	38.1989	94.0801	-1027	PC	3.7	1	7.9	-1	0.9	-1	0.472	2	4.197	2	8.886	0	1839	50	1.6
5358.8	10000	38.1989	94.0793	-1026	PC	3.7	1	8.7	0	0.9	-1	0.424	1	4.017	1	9.478	0	1880	34	1.6
5358.7	10000	38.1989	94.0786	-1025	PC	3.9	1	9.3	0	1.0	-1	0.426	1	4.117	1	9.673	1	1921	43	1.6
5358.6	10000	38.1989	94.0778	-1025	PC	3.8	1	9.5	0	1.0	-1	0.398	1	3.929	1	9.876	1	1957	37	1.6
5358.5	10000	38.1989	94.0771	-1025	PC	3.7	1	9.6	0	1.0	0	0.382	0	3.705	1	9.692	1	1974	45	1.6
5358.4	10000	38.1989	94.0763	-1025	PC	3.9	1	10.2	1	1.0	0	0.377	0	3.904	1	10.354	1	2022	47	1.5
5358.3	10000	38.1989	94.0756	-1025	PC	3.9	1	10.5	1	1.0	0	0.371	0	3.865	1	10.426	1	2039	41	1.5
5358.2	10000	38.1989	94.0748	-1025	PC	3.8	1	10.9	1	1.0	-1	0.346	0	3.919	1	11.324	2	2057	36	1.5
5358.1	10000	38.1989	94.0741	-1026	PC	3.7	1	10.8	1	1.0	0	0.340	0	3.707	1	10.889	1	2079	28	1.5
5358.0	10000	38.1989	94.0733	-1027	PC	3.5	0	11.1	2	1.0	0	0.319	0	3.529	1	11.078	2	2098	49	1.5
5357.9	10000	38.1989	94.0726	-1027	PC	3.5	0	11.4	2	1.0	0	0.311	0	3.418	1	11.003	2	2151	46	1.5
5357.8	10000	38.1989	94.0718	-1028	PC	3.5	0	11.9	2	1.0	0	0.294	-1	3.394	0	11.559	2	2209	63	1.5
5357.7	10000	38.1989	94.0710	-1029	PC	3.5	0	12.3	2	1.1	0	0.285	-1	3.181	0	11.163	2	2240	44	1.5
5357.6	10000	38.1990	94.0703	-1031	PC	3.3	0	11.8	2	1.1	0	0.283	-1	2.995	0	10.585	1	2247	47	1.5
5357.5	10000	38.1990	94.0695	-1031	PC	3.4	0	11.8	2	1.1	0	0.284	-1	2.992	0	10.522	1	2251	54	1.5
5357.4	10000	38.1990	94.0688	-1032	PC	3.5	0	11.9	2	1.1	0	0.298	-1	3.130	0	10.520	1	2252	47	1.5
5357.3	10000	38.1990	94.0680	-1034	PC	4.0	1	11.8	2	1.1	0	0.338	0	3.659	1	10.827	1	2239	46	1.5
5357.2	10000	38.1990	94.0673	-1034	PC	4.1	1	11.2	2	1.1	0	0.366	0	3.660	1	9.997	1	2204	46	1.5
5357.1	10000	38.1990	94.0665	-1035	PC	4.1	1	10.7	1	1.1	0	0.389	0	3.625	1	9.313	0	2166	47	1.5
5357.0	10000	38.1990	94.0658	-1036	PC	3.8	1	10.1	1	1.1	0	0.377	0	3.453	1	9.151	0	2110	44	1.4
5356.9	10000	38.1990	94.0650	-1036	PC	4.1	1	10.3	1	1.1	0	0.395	1	3.732	1	9.445	0	2084	53	1.4
5356.8	10000	38.1990	94.0643	-1037	PC	4.1	1	10.4	1	1.1	0	0.394	1	3.789	1	9.446	0	2044	46	1.4
5356.7	10000	38.1990	94.0635	-1038	PC	4.0	1	10.1	1	1.1	0	0.396	1	3.708	1	9.219	0	2000	50	1.4
5356.6	10000	38.1990	94.0628	-1038	PC	3.8	1	9.8	1	1.1	0	0.388	1	3.359	1	8.864	0	1946	43	1.4
5356.5	10000	38.1990	94.0620	-1039	PC	3.7	1	9.6	1	1.1	0	0.385	1	3.219	1	8.368	0	1893	57	1.4
5356.4	10000	38.1990	94.0613	-1039	PC	3.6	1	9.4	1	1.1	0	0.383	1	3.393	1	8.182	0	1853	47	1.4
5356.3	10000	38.1990	94.0605	-1039	PC	3.5	1	9.2	1	1.1	0	0.380	1	3.550	1	8.203	0	1829	48	1.4
5356.2	10000	38.1990	94.0598	-1040	PC	3.4	1	9.0	1	1.1	0	0.378	1	3.631	1	8.601	0	1791	55	1.4
5356.1	10000	38.1990	94.0590	-1041	PC	3.3	1	8.8	1	1.1	0	0.375	1	3.631	1	8.852	0	1771	40	1.4
5356.0	10000	38.1990	94.0583	-1041	PC	3.2	1	8.6	1	1.1	0	0.373	1	3.631	1	8.463	0	1759	53	1.4
5355.9	10000	38.1990	94.0575	-1042	PC	3.1	1	8.4	1	1.1	0	0.370	1	3.631	1	8.068	0	1773	45	1.4
5355.8	10000	38.1990	94.0568	-1043	PC	3.0	1	8.2	1	1.1	0	0.368	1	3.631	1	8.521	0	1780	55	1.4
5355.7	10000	38.1990	94.0560	-1045	PC	2.9	1	8.0	1	1.1	0	0.365	1	3.631	1	8.563	0	1783	51	1.4
5355.6	10000	38.1990	94.0553	-1046	PC	2.8	1	7.8	1	1.1	0	0.363	1	3.631	1	8.394	0	1796	44	1.4
5355.5	10000	38.1990	94.0545	-1047	PC	2.7	1	7.6	1	1.1	0	0.360	1	3.631	1	8.660	0	1820	49	1.4
5355.4	10000	38.1990	94.0538	-1049	PC	2.6	1	7.4	1	1.1	0	0.358	1	3.631	1	8.509	0	1839	52	1.4
5355.3	10000	38.1990	94.0530	-1051	PC	2.5	1	7.2	1	1.1	0	0.355	1	3.631	1	8.344	0	1863	47	1.4
5355.2	10000	38.1990	94.0523	-1055	PC	2.4	1	7.0	1	1.1	0	0.352	1	3.631	1	8.210	0	1867	32	1.4
5355.1	10000	38.1990	94.0515	-1059	PC	2.3	1	6.8	1	1.1	0	0.348	1	3.631	1	8.024	0	1883	39	1.4
5355.0	10000	38.1990	94.0508	-1063	PC	2.2	1	6.6	1	1.1	0	0.345	1	3.631	1	7.741	0	1904	44	1.4
5354.9	10000	38.1991	94.0500	-1068	PC	2.1	1	6.4	1	1.1	0	0.341	1	3.631	1	7.525	0	1919	48	1.4
5354.8	10000	38.1991	94.0493	-1073	PC	2.0	1	6.2	1	1.1	0	0.337	1	3.631	1	7.352	0	1928	41	1.4
5354.7	10000	38.1991	94.0485	-1078	PC	1.9	1	6.0	1	1.1	0	0.333	1	3.631	1	7.067	0	1929	46	1.4
5354.6	10000	38.1991	94.0477	-1083	PC	1.8	1	5.8	1	1.1	0	0.329	1	3.631	1	6.830	0	1933	50	1.4
5354.5	10000	38.1991	94.0470	-1089	PC	1.7	1	5.6	1	1.1	0	0.325	1	3.631	1	6.552	0	1931	52	1.4
5354.4	10000	38.1991	94.0462	-1095	PC	1.6	1	5.4	1	1.1	0	0.321	1	3.631	1	6.297	0	1925	55	1.4

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5354.3	10000	38.1991	94.0455	-1100	PC	4.0	1	9.9	1	0.9	-1	0.406	1	4.681	2	11.544	2	1912	48	1.2
5354.2	10000	38.1991	94.0447	-1105	PC	3.7	1	9.4	1	0.9	-1	0.393	1	4.294	2	10.936	1	1899	46	1.2
5354.1	10000	38.1991	94.0440	-1111	PC	3.8	1	9.1	0	0.9	-1	0.421	1	4.456	2	10.573	1	1876	24	1.2
5354.0	10000	38.1991	94.0432	-1116	PC	3.8	1	8.9	0	0.8	-1	0.430	1	4.613	2	10.731	1	1862	49	1.2
5353.9	10000	38.1991	94.0425	-1122	PC	3.3	1	8.9	0	0.9	-1	0.372	1	3.705	1	9.966	1	1856	47	1.2
5353.8	10000	38.1991	94.0417	-1127	PC	3.2	1	9.2	0	0.9	-1	0.347	0	3.488	1	10.066	1	1853	56	1.2
5353.7	10000	38.1991	94.0410	-1132	PC	3.2	1	9.3	0	0.9	-1	0.344	0	3.403	1	9.879	1	1857	43	1.2
5353.6	10000	38.1991	94.0402	-1136	PC	3.3	1	9.3	0	1.0	0	0.365	0	3.395	1	9.307	0	1869	47	1.2
5353.5	10000	38.1991	94.0395	-1141	PC	3.4	1	9.3	0	1.0	-1	0.362	0	3.527	1	9.750	1	1869	34	1.2
5353.4	10000	38.1991	94.0387	-1144	PC	3.3	1	9.4	0	0.9	-1	0.347	0	3.512	1	10.111	1	1882	50	1.2
5353.3	10000	38.1991	94.0380	-1147	PC	3.4	1	9.4	0	0.9	-1	0.359	0	3.719	1	10.353	1	1886	55	1.2
5353.2	10000	38.1991	94.0372	-1150	PC	3.7	1	9.7	0	0.9	-1	0.380	0	4.113	1	10.810	1	1892	55	1.2
5353.1	10000	38.1991	94.0365	-1153	PC	3.8	1	9.5	0	0.9	-1	0.399	1	4.258	2	10.673	1	1900	50	1.2
5353.0	10000	38.1991	94.0357	-1155	PC	3.7	1	9.4	0	0.9	-1	0.395	1	4.148	1	10.512	1	1907	42	1.2
5352.9	10000	38.1991	94.0350	-1156	PC	4.0	1	9.9	0	0.9	-1	0.399	1	4.460	2	11.177	2	1936	40	1.2
5352.8	10000	38.1991	94.0342	-1157	PC	4.0	1	10.1	1	0.9	-1	0.396	1	4.389	2	11.097	2	1979	47	1.2
5352.7	10000	38.1991	94.0335	-1158	PC	4.2	1	10.3	1	0.9	-1	0.406	1	4.552	2	11.214	2	2010	42	1.2
5352.6	10000	38.1991	94.0327	-1158	PC	3.9	1	10.9	1	1.0	0	0.359	0	3.887	1	10.822	1	2041	46	1.2
5352.5	10000	38.1991	94.0320	-1158	PC	3.7	1	10.9	1	1.0	0	0.335	0	3.519	1	10.497	1	2072	40	1.2
5352.4	10000	38.1991	94.0312	-1158	PC	3.6	1	10.9	1	1.0	0	0.325	0	3.410	1	10.504	1	2106	58	1.2
5352.3	10000	38.1991	94.0305	-1157	PC	3.5	1	10.8	1	1.1	0	0.327	0	3.275	0	10.030	1	2138	41	1.2
5352.2	10000	38.1992	94.0297	-1156	PC	3.3	1	10.7	1	1.1	0	0.313	0	3.013	0	9.636	1	2149	52	1.2
5352.1	10000	38.1991	94.0290	-1155	PC	3.3	1	10.9	1	1.1	0	0.304	-1	3.015	0	9.906	1	2172	38	1.2
5352.0	10000	38.1992	94.0282	-1154	PC	3.3	1	10.7	1	1.2	0	0.308	-1	2.836	0	9.223	0	2202	51	1.2
5351.9	10000	38.1992	94.0275	-1153	PC	3.5	1	10.8	1	1.2	1	0.323	0	2.880	0	8.927	0	2237	35	1.2
5351.8	10000	38.1992	94.0267	-1152	PC	3.8	1	10.9	1	1.2	1	0.352	0	3.104	0	8.818	0	2255	41	1.2
5351.7	10000	38.1992	94.0260	-1150	PC	4.1	1	10.8	1	1.3	1	0.376	0	3.226	0	8.589	0	2267	41	1.2
5351.6	10000	38.1992	94.0252	-1149	PC	4.6	2	11.4	2	1.2	1	0.399	1	3.673	1	9.197	0	2276	32	1.2
5351.5	10000	38.1992	94.0244	-1148	PC	4.7	2	11.7	2	1.2	0	0.402	1	3.927	1	9.769	1	2302	54	1.2
5351.4	10000	38.1992	94.0237	-1147	PC	4.7	2	11.7	2	1.2	1	0.435	1	4.147	1	9.532	1	2298	46	1.2
5351.3	10000	38.1992	94.0229	-1146	PC	4.7	2	11.7	2	1.2	1	0.426	1	4.043	1	9.489	1	2296	45	1.2
5351.2	10000	38.1992	94.0222	-1145	PC	4.7	2	11.7	2	1.2	1	0.456	1	4.222	1	9.262	1	2310	48	1.2
5351.1	10000	38.1992	94.0214	-1145	PC	4.7	2	11.7	2	1.2	1	0.475	1	4.316	1	9.078	1	2356	48	1.2
5351.0	10000	38.1992	94.0207	-1145	PC	4.7	2	11.7	2	1.2	1	0.454	1	3.966	1	8.726	1	2410	52	1.2
5350.9	10000	38.1992	94.0199	-1144	PC	4.7	2	11.8	2	1.2	1	0.457	1	3.654	0	7.988	1	2460	42	1.2
5350.8	10000	38.1992	94.0192	-1145	PC	4.7	2	11.8	2	1.2	1	0.457	1	3.294	-1	7.210	2	2518	40	1.2
5350.7	10000	38.1992	94.0184	-1145	PC	4.7	2	11.8	2	1.2	1	0.433	1	2.814	-2	6.492	2	2602	51	1.2
5350.6	10000	38.1992	94.0177	-1146	PC	4.6	2	11.8	2	1.2	1	0.433	1	2.752	-2	6.351	2	2685	51	1.2
5350.5	10000	38.1992	94.0169	-1148	PC	4.6	2	11.8	2	1.2	1	0.444	1	2.672	-2	6.023	2	2771	45	1.2
5350.4	10000	38.1992	94.0162	-1149	PC	4.8	2	11.8	2	1.2	1	0.405	1	2.404	-2	5.939	2	2824	51	1.2
5350.3	10000	38.1992	94.0154	-1151	PC	5.0	2	11.8	2	1.2	1	0.437	1	2.336	-2	5.344	2	2864	46	1.2
5350.2	10000	38.1992	94.0147	-1154	PC	5.1	2	11.8	2	1.2	1	0.429	1	2.216	-2	5.160	2	2912	47	1.2
5350.1	10000	38.1992	94.0139	-1157	PC	5.2	2	11.8	2	1.2	1	0.440	1	2.249	-2	5.116	2	2925	55	1.2
5350.0	10000	38.1992	94.0132	-1158	PC	5.2	2	11.8	2	1.2	1	0.436	1	2.321	-2	5.322	2	2922	44	1.2
5349.9	10000	38.1992	94.0124	-1160	PC	5.2	2	11.8	2	1.2	1	0.442	1	2.351	-2	5.322	2	2911	44	1.2
5349.8	10000	38.1992	94.0117	-1161	PC	5.2	2	11.8	2	1.2	1	0.447	1	2.436	-2	5.449	2	2861	50	1.2
5349.7	10000	38.1992	94.0109	-1162	PC	5.2	2	11.8	2	1.2	1	0.461	1	2.452	-2	5.313	2	2822	48	1.2
5349.6	10000	38.1992	94.0102	-1164	PC	5.2	2	11.8	2	1.2	1	0.452	1	2.586	-2	5.724	2	2791	46	1.2
5349.5	10000	38.1992	94.0094	-1166	PC	5.2	2	11.8	2	1.2	1	0.442	1	2.656	-2	6.003	2	2756	46	1.2
5349.4	10000	38.1992	94.0087	-1168	PC	5.2	2	11.8	2	1.2	1	0.465	1	2.703	-2	6.810	3	2735	46	1.2
5349.3	10000	38.1992	94.0079	-1170	PC	5.2	2	11.8	2	1.2	1	0.491	1	2.760	-2	6.627	3	2723	57	1.2
5349.2	10000	38.1992	94.0072	-1172	PC	5.5	2	10.5	2	2.0	2	0.522	2	2.792	-2	5.353	4	2715	37	1.4

LINE 700 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5349.1	10000	38.1992	94.0064	-1174	PC	5.4	3	10.6	1	2.0	4	0.510	2	2.646	-1	5.189	-2	2751	46	1.4
5349.0	10000	38.1992	94.0057	-1175	PC	5.6	3	10.3	1	2.0	4	0.542	2	2.751	0	5.072	-2	2774	58	1.4
5348.9	10000	38.1993	94.0049	-1176	PC	5.7	3	10.8	1	2.0	4	0.531	2	2.846	0	5.358	-2	2809	41	1.4
5348.8	10000	38.1992	94.0042	-1178	PC	5.7	3	10.4	1	2.0	4	0.550	2	2.927	0	5.322	-2	2813	41	1.4
5348.7	10000	38.1993	94.0034	-1179	PC	5.5	3	10.8	1	1.9	3	0.508	2	2.921	0	5.754	-2	2813	51	1.4
5348.6	10000	38.1993	94.0027	-1180	PC	5.4	3	11.1	2	1.8	3	0.490	2	2.993	0	6.103	-2	2787	47	1.4
5348.5	10000	38.1993	94.0019	-1179	PC	5.2	3	11.2	2	1.7	3	0.462	1	3.016	0	6.523	-1	2759	38	1.4
5348.4	10000	38.1993	94.0011	-1180	PC	5.1	2	11.4	2	1.6	2	0.446	1	3.186	0	7.141	-1	2708	51	1.4
5348.3	10000	38.1993	94.0004	-1179	PC	4.8	2	11.6	2	1.5	2	0.418	1	3.236	0	7.738	-1	2669	43	1.4

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1557.0	10000	38.1146	95.9996	-955	PW	2.2	-2	7.9	-2	1.2	0	0.278	0	1.861	-1	6.697	-1	1822	57	1.3
1557.1	10000	38.1146	95.9988	-957	PW	2.2	-2	7.9	-2	1.2	0	0.286	0	1.854	-1	6.487	-2	1839	62	1.3
1557.2	10000	38.1146	95.9980	-959	PW	2.2	-2	7.9	-2	1.2	0	0.283	0	1.891	-1	6.681	-1	1840	47	1.3
1557.3	10000	38.1146	95.9972	-961	PW	2.2	-2	7.6	-2	1.1	-1	0.292	0	1.962	-1	6.710	-1	1827	63	1.3
1557.4	10000	38.1146	95.9964	-963	PW	2.3	-1	7.9	-2	1.1	-1	0.294	0	2.109	-1	7.174	-1	1815	59	1.2
1557.5	10000	38.1146	95.9956	-965	PW	2.5	-1	7.8	-2	1.1	-1	0.317	0	2.280	0	7.188	-1	1817	45	1.2
1557.6	10000	38.1146	95.9948	-967	PW	2.4	-1	7.4	-3	1.0	-1	0.320	0	2.279	0	7.117	-1	1788	51	1.2
1557.7	10000	38.1145	95.9940	-968	PW	2.2	-2	7.3	-3	1.0	-1	0.307	0	2.160	-1	7.035	-1	1783	55	1.2
1557.8	10000	38.1145	95.9931	-969	PW	2.4	-1	7.6	-2	1.0	-2	0.318	0	2.504	0	7.875	0	1770	46	1.2
1557.9	10000	38.1145	95.9923	-971	PW	2.6	-1	7.8	-2	0.9	-2	0.333	0	2.738	0	8.235	0	1769	50	1.2
1558.0	10000	38.1145	95.9915	-972	PW	2.7	-1	8.4	-2	1.0	-2	0.323	0	2.810	1	8.712	1	1781	45	1.2
1558.1	10000	38.1145	95.9907	-974	PW	2.6	-1	8.5	-1	1.0	-2	0.306	0	2.703	1	8.846	1	1800	50	1.2
1558.2	10000	38.1145	95.9899	-975	PW	2.7	-1	8.5	-1	0.9	-2	0.318	0	2.952	1	9.281	1	1791	44	1.2
1558.3	10000	38.1145	95.9891	-976	PW	3.0	0	8.6	-1	0.9	-2	0.345	0	3.322	2	9.639	1	1781	51	1.2
1558.4	10000	38.1145	95.9883	-977	PW	3.1	0	8.4	-2	0.9	-2	0.374	1	3.769	3	10.086	2	1752	42	1.2
1558.5	10000	38.1145	95.9875	-978	PW	2.9	0	8.0	-2	0.9	-2	0.367	1	3.389	2	9.235	1	1721	49	1.2
1558.6	10000	38.1145	95.9866	-979	PW	2.9	0	7.7	-2	0.8	-3	0.371	1	3.463	2	9.346	1	1703	49	1.2
1558.7	10000	38.1145	95.9858	-980	PW	3.0	0	7.0	-3	0.8	-2	0.425	1	3.606	2	8.488	0	1691	37	1.2
1558.8	10000	38.1145	95.9850	-981	PW	3.3	0	7.7	-3	0.8	-3	0.440	1	4.128	3	9.379	1	1680	46	1.2
1558.9	10000	38.1145	95.9842	-982	PW	3.1	0	7.7	-3	0.8	-3	0.427	1	4.014	3	9.411	1	1697	41	1.2
1559.0	10000	38.1145	95.9834	-983	PW	2.9	0	7.6	-3	0.8	-3	0.382	1	3.682	3	9.635	1	1720	54	1.2
1559.1	10000	38.1145	95.9826	-984	PW	2.7	-1	7.9	-3	0.8	-3	0.346	1	3.380	2	9.779	2	1744	43	1.2
1559.2	10000	38.1145	95.9818	-985	PW	2.7	-1	8.5	-2	0.8	-3	0.313	1	3.413	3	10.888	3	1769	52	1.2
1559.3	10000	38.1145	95.9810	-985	PW	2.5	-1	7.7	-2	0.8	-3	0.290	1	3.027	2	10.436	2	1791	52	1.1
1559.4	10000	38.1145	95.9801	-986	PW	2.3	-1	9.1	-2	0.8	-3	0.252	-1	2.799	1	11.125	3	1808	49	1.1
1559.5	10000	38.1145	95.9793	-986	PW	2.3	-1	9.3	-2	0.9	-3	0.252	-1	2.592	1	10.276	2	1839	57	1.1
1559.6	10000	38.1145	95.9785	-987	PW	2.2	-1	9.0	-2	0.9	-3	0.245	-1	2.509	0	10.235	2	1851	35	1.1
1559.7	10000	38.1145	95.9777	-988	PW	2.2	0	9.2	-2	0.9	-3	0.277	-1	2.716	1	9.795	2	1870	36	1.1
1559.8	10000	38.1144	95.9769	-988	PW	2.6	0	9.0	-2	0.9	-3	0.305	0	3.025	1	9.922	2	1882	45	1.1
1559.9	10000	38.1145	95.9761	-989	PW	2.8	0	9.2	-2	0.9	-3	0.328	1	3.341	2	9.828	2	1883	59	1.1
1560.0	10000	38.1144	95.9753	-989	PW	3.0	0	9.2	-2	0.9	-3	0.325	1	3.361	2	9.822	2	1886	57	1.1
1560.1	10000	38.1144	95.9745	-990	PW	3.0	0	9.0	-2	0.9	-3	0.336	1	3.368	2	9.827	2	1879	45	1.1
1560.2	10000	38.1144	95.9736	-990	PW	3.0	0	8.8	-2	0.9	-3	0.337	1	3.377	2	9.752	2	1858	49	1.1
1560.3	10000	38.1144	95.9728	-990	PW	3.0	0	8.8	-2	0.9	-3	0.351	1	3.518	2	10.045	3	1830	52	1.1
1560.4	10000	38.1144	95.9720	-990	PW	3.0	0	8.8	-2	0.9	-3	0.341	1	3.528	2	10.359	3	1803	37	1.1
1560.5	10000	38.1144	95.9712	-991	PW	3.0	0	8.8	-2	0.9	-3	0.338	1	3.530	2	10.689	3	1785	54	1.1
1560.6	10000	38.1144	95.9704	-991	PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	10.146	3	1766	47	1.1
1560.7	10000	38.1144	95.9696	-991	PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	10.857	3	1744	45	1.1
1560.8	10000	38.1144	95.9688	-991	PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	9.751	2	1720	47	1.1
1560.9	10000	38.1144	95.9680	-991	PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	9.060	2	1689	44	1.1
1561.0	10000	38.1144	95.9671	-990	PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	9.634	2	1680	47	1.1
1561.1	10000	38.1144	95.9663	-989	PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	9.011	2	1656	45	1.1
1561.2	10000	38.1144	95.9655	-986	PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	9.270	2	1627	45	1.1
1561.3	10000	38.1144	95.9647	-982	PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	9.714	2	1616	45	1.1
1561.4	10000	38.1144	95.9639	-977	PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	9.637	2	1586	45	1.1
1561.5	10000	38.1144	95.9631	-974	PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	9.601	2	1574	45	1.1
1561.6	10000	38.1144	95.9623	-976	PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	9.537	2	1563	45	1.1
1561.7	10000	38.1144	95.9615	-978	PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	9.522	2	1538	45	1.1
1561.8	10000	38.1143	95.9606	-985	PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	9.204	2	1532	45	1.1
1562.0	10000	38.1143	95.9598	-986	PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	9.247	2	1536	45	1.1
1562.1	10000	38.1143	95.9590	-986	PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	9.252	2	1543	45	1.1
			95.9582		PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	9.316	2	1572	45	1.1
					PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	9.824	2			1.1
					PW	3.0	0	8.8	-2	0.9	-3	0.342	1	3.530	2	

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1562.2	10000	38.1143	95.9574	-985	PW	2.4	-1	7.5	-2	0.8	-3	0.316	0	3.067	1	9.719	2	1609	41	1.0
1562.3	10000	38.1143	95.9566	-984	PS	2.5	-1	7.8	-2	0.8	-2	0.316	0	3.095	1	9.782	1	1635	44	1.0
1562.4	10000	38.1143	95.9558	-980	PS	2.5	-1	7.8	-2	0.8	-2	0.317	0	3.007	1	9.488	1	1664	55	1.0
1562.5	10000	38.1143	95.9550	-976	PS	2.4	-2	7.5	-2	0.9	-2	0.316	0	2.758	0	8.733	0	1701	46	1.0
1562.6	10000	38.1143	95.9541	-976	PS	2.6	-1	8.0	-1	0.9	-2	0.326	0	2.989	1	9.170	1	1719	36	1.0
1562.7	10000	38.1143	95.9533	-978	PS	2.7	-1	7.6	-2	0.9	-2	0.354	0	3.130	1	8.850	0	1725	38	1.0
1562.8	10000	38.1143	95.9525	-979	PS	3.0	0	7.6	-2	0.9	-2	0.388	1	3.362	1	8.659	0	1716	55	1.0
1562.9	10000	38.1143	95.9517	-981	PS	2.9	0	7.6	-2	0.9	-2	0.379	1	3.305	1	8.711	0	1705	44	1.0
1563.0	10000	38.1143	95.9509	-983	PS	3.1	0	7.4	-2	0.9	-2	0.416	2	3.462	2	8.326	0	1726	46	1.0
1563.1	10000	38.1143	95.9501	-983	PS	3.1	0	7.5	-2	0.9	-1	0.414	2	3.365	1	8.134	0	1748	45	1.0
1563.2	10000	38.1143	95.9493	-984	PS	3.0	0	7.9	-2	0.9	-2	0.380	1	3.369	1	8.857	0	1748	51	1.0
1563.3	10000	38.1143	95.9485	-985	PS	3.0	0	7.7	-2	0.9	-1	0.397	1	3.279	1	8.256	0	1762	38	1.0
1563.4	10000	38.1143	95.9476	-985	PS	2.9	0	8.1	-1	0.9	-1	0.361	1	3.186	1	8.829	0	1777	49	1.0
1563.5	10000	38.1143	95.9468	-985	PS	3.1	0	8.3	-1	0.9	-2	0.369	1	3.386	1	9.167	1	1787	52	1.0
1563.6	10000	38.1143	95.9460	-985	PW	3.2	0	8.2	-2	0.9	-2	0.384	2	3.450	2	8.989	1	1787	43	1.0
1563.7	10000	38.1143	95.9452	-984	PW	2.9	0	8.2	-2	0.9	-2	0.350	2	3.231	2	9.231	1	1759	43	1.0
1563.8	10000	38.1143	95.9444	-984	PW	2.8	0	8.2	-2	0.9	-2	0.343	2	3.267	2	9.519	1	1741	43	1.0
1563.9	10000	38.1143	95.9436	-983	PW	2.7	-1	8.3	-2	0.9	-2	0.326	1	3.096	1	9.500	1	1719	55	1.0
1564.0	10000	38.1142	95.9428	-982	PW	2.5	-1	8.3	-2	0.9	-2	0.303	1	2.911	1	9.594	1	1707	60	1.0
1564.1	10000	38.1142	95.9420	-982	PW	2.7	-1	8.3	-2	0.8	-2	0.327	2	3.202	2	9.795	2	1690	41	1.0
1564.2	10000	38.1142	95.9411	-982	PW	2.6	-1	8.2	-2	0.8	-2	0.311	1	3.015	1	9.681	2	1694	58	1.0
1564.3	10000	38.1142	95.9403	-981	PW	2.5	-1	8.5	-1	0.8	-2	0.300	1	3.043	1	10.135	2	1704	50	1.0
1564.4	10000	38.1142	95.9395	-980	PW	2.7	-1	8.8	-1	0.8	-2	0.310	2	3.220	2	10.400	2	1715	50	1.0
1564.5	10000	38.1142	95.9387	-980	PW	2.8	-1	8.7	-1	0.8	-2	0.319	2	3.314	2	10.381	2	1710	57	1.0
1564.6	10000	38.1142	95.9379	-980	PW	2.9	-1	8.4	-1	0.8	-2	0.343	2	3.471	2	10.110	2	1708	54	1.0
1564.7	10000	38.1142	95.9371	-980	PW	3.1	-1	8.5	-1	0.7	-3	0.361	4	4.186	3	11.586	3	1704	41	1.0
1564.8	10000	38.1142	95.9363	-980	PW	3.0	-1	8.5	-1	0.8	-3	0.351	3	3.813	3	10.856	3	1707	50	1.0
1564.9	10000	38.1142	95.9355	-979	PW	3.2	-2	8.2	-2	0.8	-3	0.386	4	4.184	3	10.827	3	1684	46	1.0
1565.0	10000	38.1142	95.9346	-978	PW	3.2	-2	7.8	-2	0.7	-3	0.416	4	4.447	4	10.697	3	1652	56	1.0
1565.1	10000	38.1142	95.9338	-977	PW	3.2	-2	7.8	-2	0.7	-3	0.428	4	4.514	4	10.537	2	1641	63	1.0
1565.2	10000	38.1142	95.9330	-976	PW	3.2	-2	7.9	-2	0.7	-3	0.419	4	4.445	4	10.767	3	1649	52	1.0
1565.3	10000	38.1142	95.9322	-975	PW	3.2	-2	7.7	-2	0.7	-3	0.415	4	4.433	4	10.998	3	1662	32	1.0
1565.4	10000	38.1142	95.9314	-974	PW	3.2	-2	7.7	-2	0.7	-3	0.409	4	4.093	3	10.095	2	1663	50	1.0
1565.5	10000	38.1142	95.9306	-973	PW	3.2	-2	7.7	-2	0.7	-3	0.408	5	4.085	3	9.707	2	1649	42	1.0
1565.6	10000	38.1142	95.9298	-973	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.568	3	9.080	1	1647	49	1.0
1565.7	10000	38.1142	95.9290	-972	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.391	3	9.649	1	1648	53	1.0
1565.8	10000	38.1142	95.9281	-971	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.233	3	9.240	1	1639	44	1.0
1565.9	10000	38.1142	95.9273	-970	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.120	3	9.415	1	1623	40	1.0
1566.0	10000	38.1142	95.9265	-969	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.138	3	9.521	1	1608	45	1.0
1566.1	10000	38.1141	95.9257	-969	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.087	3	9.721	1	1583	62	1.0
1566.2	10000	38.1141	95.9249	-968	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.088	3	9.578	1	1565	40	1.0
1566.3	10000	38.1141	95.9241	-968	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.091	3	9.804	1	1571	44	1.0
1566.4	10000	38.1141	95.9233	-967	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.088	3	9.623	1	1582	66	1.0
1566.5	10000	38.1141	95.9225	-966	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.088	3	9.865	1	1595	52	1.0
1566.6	10000	38.1141	95.9216	-965	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.088	3	9.163	1	1613	44	1.0
1566.7	10000	38.1141	95.9208	-965	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.088	3	9.109	1	1650	51	1.0
1566.8	10000	38.1141	95.9200	-964	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.088	3	9.037	1	1698	35	1.0
1566.9	10000	38.1141	95.9192	-963	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.088	3	9.632	1	1745	49	1.0
1567.0	10000	38.1141	95.9184	-963	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.088	3	9.683	1	1769	58	1.0
1567.1	10000	38.1141	95.9176	-963	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.088	3	9.565	1	1783	41	1.0
1567.2	10000	38.1141	95.9168	-962	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.088	3	9.270	1	1808	41	1.0
1567.3	10000	38.1141	95.9160	-961	PW	3.2	-2	7.7	-2	0.7	-3	0.409	5	4.088	3	9.363	1	1814	65	1.0

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1567.4	10000	38.1141	95.9152	-960	PW	3.1	0	8.6	-1	0.9	-2	0.356	1	3.255	2	9.137	1	1809	45	1.0
1567.5	10000	38.1141	95.9143	-960	PW	2.7	0	8.9	-1	0.9	-2	0.309	0	2.967	1	9.616	1	1811	53	1.0
1567.6	10000	38.1141	95.9135	-960	PW	2.8	0	8.6	-1	0.9	-2	0.320	0	2.968	1	9.271	1	1802	47	1.0
1567.7	10000	38.1141	95.9127	-959	PW	3.0	0	8.8	-1	0.9	-2	0.340	1	3.253	2	9.566	1	1792	54	1.0
1567.8	10000	38.1141	95.9119	-958	PW	2.9	0	8.9	-1	0.9	-2	0.328	1	3.223	2	9.836	2	1789	54	1.0
1567.9	10000	38.1140	95.9111	-957	PW	3.0	0	8.9	-1	0.9	-2	0.339	1	3.453	2	10.185	2	1765	50	1.0
1568.0	10000	38.1140	95.9103	-957	PW	3.0	0	9.0	-1	0.9	-2	0.329	1	3.421	2	10.387	2	1764	57	1.0
1568.1	10000	38.1140	95.9095	-956	PW	3.0	0	8.5	-1	0.9	-2	0.353	1	3.523	2	9.973	2	1740	54	1.0
1568.2	10000	38.1140	95.9087	-956	PW	3.1	0	8.3	-2	0.9	-2	0.367	1	3.585	2	9.763	2	1724	46	1.0
1568.3	10000	38.1140	95.9078	-955	PW	2.9	0	8.5	-1	0.8	-2	0.339	1	3.411	2	10.054	2	1715	54	1.0
1568.4	10000	38.1140	95.9070	-954	PS	2.9	0	8.4	-1	0.9	-2	0.345	0	3.373	1	9.779	1	1729	49	1.0
1568.5	10000	38.1140	95.9062	-954	PS	3.0	0	8.2	-1	0.9	-2	0.361	1	3.413	1	9.466	1	1718	40	1.0
1568.6	10000	38.1140	95.9054	-953	PS	3.0	0	8.2	-1	0.9	-2	0.361	1	3.437	1	9.529	1	1721	48	1.0
1568.7	10000	38.1140	95.9046	-952	PS	3.0	0	7.9	-2	0.8	-2	0.377	1	3.614	2	9.588	1	1692	47	1.0
1568.8	10000	38.1140	95.9038	-953	PS	3.0	0	8.0	-1	0.7	-2	0.373	1	4.016	3	10.778	2	1682	42	1.0
1568.9	10000	38.1140	95.9030	-952	PS	3.1	0	7.6	-2	0.7	-2	0.404	1	4.191	3	10.373	2	1671	49	1.0
1569.0	10000	38.1140	95.9022	-951	PS	3.2	0	7.6	-2	0.7	-2	0.419	2	4.221	3	10.073	1	1664	48	1.0
1569.1	10000	38.1140	95.9014	-951	PS	3.2	0	7.6	-2	0.7	-2	0.424	2	4.440	3	10.463	2	1638	52	1.0
1569.2	10000	38.1140	95.9005	-950	PS	3.2	0	7.7	-2	0.7	-2	0.414	2	4.366	3	10.549	2	1639	32	1.0
1569.3	10000	38.1140	95.8997	-950	PS	3.0	0	7.8	-2	0.8	-2	0.379	1	3.831	2	10.098	1	1643	44	1.0
1569.4	10000	38.1140	95.8989	-949	PS	3.1	0	8.4	-1	0.8	-2	0.369	1	3.860	2	10.463	2	1675	41	1.0
1569.5	10000	38.1140	95.8981	-949	PS	2.8	-1	8.1	-1	0.9	-2	0.342	0	3.217	1	9.416	1	1707	55	1.0
1569.6	10000	38.1140	95.8973	-948	PS	2.7	-1	8.1	-1	0.9	-1	0.335	0	2.971	1	8.861	0	1742	58	1.0
1569.7	10000	38.1140	95.8965	-948	PS	2.6	-1	8.4	-1	0.9	-1	0.311	0	2.841	1	9.125	1	1754	53	1.0
1569.8	10000	38.1140	95.8957	-947	PS	2.4	-1	8.6	-1	0.9	-1	0.279	-1	2.631	0	9.415	1	1749	49	1.0
1569.9	10000	38.1139	95.8949	-947	PS	2.5	-1	8.7	-1	0.9	-1	0.287	-1	2.700	0	9.405	1	1743	49	1.0
1570.0	10000	38.1139	95.8940	-947	PS	2.6	-1	8.3	-1	0.9	-1	0.312	0	2.949	1	9.441	1	1720	48	1.0
1570.1	10000	38.1139	95.8932	-947	PS	2.3	-1	8.1	-2	0.9	-1	0.283	0	2.602	1	9.182	1	1699	54	1.0
1570.2	10000	38.1139	95.8924	-946	PS	2.4	-1	8.3	-2	0.9	-1	0.290	0	2.691	1	9.286	1	1690	45	1.0
1570.3	10000	38.1139	95.8916	-946	PS	2.4	-1	8.3	-2	0.9	-1	0.279	0	2.713	1	9.714	1	1681	39	1.0
1570.4	10000	38.1139	95.8908	-946	PS	2.4	-1	8.4	-2	0.9	-1	0.286	0	2.728	1	9.547	1	1689	49	1.0
1570.5	10000	38.1139	95.8900	-945	PS	2.3	-1	8.3	-2	0.9	-1	0.289	0	2.641	1	9.127	1	1709	43	1.0
1570.6	10000	38.1139	95.8892	-945	PS	2.3	-1	8.3	-2	0.9	-1	0.296	0	2.552	1	9.615	1	1716	48	1.0
1570.7	10000	38.1139	95.8884	-945	PS	2.3	-1	8.1	-2	0.9	-1	0.284	0	2.410	1	9.477	1	1765	55	1.0
1570.8	10000	38.1139	95.8875	-944	PS	2.3	-1	8.2	-2	0.9	-1	0.307	0	2.435	1	9.924	1	1810	58	1.0
1570.9	10000	38.1139	95.8867	-944	PS	2.3	-1	8.2	-2	0.9	-1	0.318	0	2.471	1	9.770	1	1831	44	1.0
1571.0	10000	38.1139	95.8859	-943	PS	2.3	-1	8.2	-2	0.9	-1	0.349	0	2.689	1	9.712	1	1858	53	1.0
1571.1	10000	38.1139	95.8851	-943	PS	2.3	-1	8.2	-2	0.9	-1	0.356	0	2.737	1	9.694	1	1878	55	1.0
1571.2	10000	38.1139	95.8843	-943	PS	2.3	-1	8.2	-2	0.9	-1	0.338	0	2.506	1	9.416	1	1890	45	1.0
1571.3	10000	38.1139	95.8835	-942	PS	2.3	-1	8.2	-2	0.9	-1	0.336	0	2.614	1	9.772	1	1874	43	1.0
1571.4	10000	38.1139	95.8827	-942	PS	2.3	-1	8.2	-2	0.9	-1	0.334	0	2.763	1	9.779	1	1783	34	1.0
1571.5	10000	38.1139	95.8819	-942	PS	2.3	-1	8.2	-2	0.9	-1	0.332	0	2.902	1	9.752	1	1637	55	1.0
1571.6	10000	38.1139	95.8810	-941	PS	2.3	-1	8.2	-2	0.9	-1	0.345	0	2.987	1	9.242	1	1464	36	1.0
1571.7	10000	38.1138	95.8802	-941	PS	2.3	-1	8.2	-2	0.9	-1	0.329	0	2.836	1	9.828	1	1278	44	1.0
1571.8	10000	38.1138	95.8794	-941	PS	2.3	-1	8.2	-2	0.9	-1	0.334	0	2.549	1	9.625	1	1113	49	1.0
1571.9	10000	38.1138	95.8786	-941	PS	2.3	-1	8.2	-2	0.9	-1	0.305	0	2.259	1	9.913	2	1006	40	1.0
1572.0	10000	38.1138	95.8778	-940	PS	2.3	-1	8.2	-2	0.9	-1	0.336	0	2.912	1	9.222	1	994	46	1.0
1572.1	10000	38.1138	95.8770	-940	PS	2.3	-1	8.2	-2	0.9	-1	0.336	0	2.913	1	9.225	1	1050	55	1.0
1572.2	10000	38.1138	95.8762	-939	PS	2.3	-1	8.2	-2	0.9	-1	0.336	0	2.913	1	9.267	1	1165	39	1.0
1572.3	10000	38.1138	95.8754	-938	PS	2.3	-1	8.2	-2	0.9	-1	0.336	0	2.913	1	9.669	1	1316	48	1.0
1572.4	10000	38.1138	95.8745	-938	PS	2.3	-1	8.2	-2	0.9	-1	0.336	0	2.913	1	9.602	1	1463	55	1.0
1572.5	10000	38.1138	95.8737	-938	PS	2.3	-1	8.2	-2	0.9	-1	0.336	0	2.913	1	9.690	1	1615	37	1.0

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1572.6	10000	38.1138	95.8729	-938	PS	2.3	-2	8.5	-1	0.9	-1	0.273	-1	2.552	0	9.337	1	1733	54	1.1
1572.7	10000	38.1138	95.8721	-937	PS	2.3	-2	8.8	-1	1.0	-1	0.267	-1	2.440	0	9.150	1	1796	58	1.1
1572.8	10000	38.1138	95.8713	-937	PS	2.8	-1	8.8	-1	1.0	-1	0.318	0	2.871	0	9.028	1	1838	32	1.1
1572.9	10000	38.1138	95.8705	-936	PS	2.9	0	8.7	-1	1.0	-1	0.338	0	3.071	1	9.082	1	1865	62	1.1
1573.0	10000	38.1138	95.8697	-937	PS	3.1	0	8.9	-1	1.0	-1	0.352	0	3.160	1	8.989	1	1888	41	1.1
1573.1	10000	38.1138	95.8689	-936	PS	3.3	0	9.1	-1	1.0	-1	0.365	1	3.245	1	8.898	0	1910	55	1.1
1573.2	10000	38.1138	95.8681	-936	PS	3.4	1	8.7	-1	1.1	-1	0.389	1	3.187	1	8.184	0	1936	44	1.1
1573.3	10000	38.1138	95.8673	-937	PS	3.6	1	8.7	-1	1.0	-1	0.411	1	3.408	1	8.283	0	1966	52	1.1
1573.4	10000	38.1137	95.8665	-937	PS	3.7	1	9.1	-1	1.1	-1	0.404	1	3.432	1	8.504	0	2000	51	1.1
1573.5	10000	38.1137	95.8657	-936	PS	3.6	1	9.3	0	1.1	-1	0.381	1	3.291	1	8.648	0	2016	45	1.1
1573.6	10000	38.1137	95.8649	-936	PS	3.5	1	9.9	0	1.1	0	0.354	0	3.076	1	8.682	0	2044	51	1.1
1573.7	10000	38.1137	95.8641	-936	PS	3.5	1	10.3	0	1.1	0	0.337	0	3.017	1	8.957	1	2050	55	1.1
1573.8	10000	38.1137	95.8633	-936	PS	3.2	0	10.4	1	1.2	0	0.311	0	2.801	0	9.013	1	2078	29	1.1
1573.9	10000	38.1137	95.8625	-936	PS	3.4	1	10.5	1	1.1	0	0.324	0	2.992	1	9.225	1	2080	40	1.1
1574.0	10000	38.1137	95.8616	-936	PS	3.1	0	10.2	1	1.2	0	0.304	0	2.677	0	8.801	0	2072	40	1.1
1574.1	10000	38.1137	95.8609	-936	PS	3.1	0	10.9	1	1.2	0	0.315	0	2.683	0	8.512	0	2065	47	1.1
1574.2	10000	38.1137	95.8600	-935	PS	3.0	0	9.7	0	1.2	0	0.297	-1	2.473	0	8.314	0	2062	43	1.1
1574.3	10000	38.1137	95.8592	-936	PS	2.9	0	9.7	0	1.2	0	0.303	0	2.429	-1	8.019	0	2047	53	1.1
1574.4	10000	38.1137	95.8584	-935	PS	2.9	0	9.5	0	1.2	0	0.304	0	2.376	-1	7.804	0	2047	45	1.1
1574.5	10000	38.1137	95.8576	-935	PS	3.1	0	9.6	0	1.2	0	0.320	0	2.573	-1	8.045	0	2023	48	1.1
1574.6	10000	38.1137	95.8568	-935	PS	2.8	0	9.5	0	1.2	0	0.298	-1	2.395	-1	8.037	0	2015	47	1.1
1574.7	10000	38.1137	95.8560	-935	PS	2.9	0	9.6	0	1.2	0	0.299	0	2.465	-1	8.237	0	2001	50	1.1
1574.8	10000	38.1137	95.8552	-935	PS	2.7	-1	9.8	0	1.2	0	0.273	-1	2.329	-1	8.517	0	1985	53	1.1
1574.9	10000	38.1137	95.8544	-934	PS	2.6	-1	9.8	0	1.1	0	0.267	-1	2.348	-1	8.781	0	1962	41	1.1
1575.0	10000	38.1137	95.8536	-933	PS	2.5	-1	9.5	0	1.1	0	0.261	-1	2.279	-1	8.743	0	1945	44	1.1
1575.1	10000	38.1137	95.8528	-933	PS	2.3	-2	9.5	-1	1.1	0	0.242	-2	2.164	-1	8.930	1	1912	50	1.1
1575.2	10000	38.1137	95.8520	-933	PS	2.2	-2	9.2	-1	1.1	0	0.238	-2	2.028	-1	8.505	0	1898	55	1.2
1575.3	10000	38.1136	95.8512	-932	PS	2.4	-1	9.1	-1	1.1	0	0.264	-1	2.244	-1	8.488	0	1894	55	1.2
1575.4	10000	38.1136	95.8504	-930	PS	2.6	-1	9.2	-1	1.0	-1	0.283	-1	2.484	0	8.790	0	1905	44	1.2
1575.5	10000	38.1136	95.8496	-930	PS	2.6	-1	9.5	-1	1.0	-1	0.278	-1	2.647	0	9.533	1	1910	54	1.2
1575.6	10000	38.1136	95.8488	-931	PS	2.5	-1	9.5	-1	1.0	-1	0.268	-1	2.578	0	9.621	1	1917	52	1.2
1575.7	10000	38.1136	95.8480	-932	PS	2.5	-1	9.9	-1	1.0	-1	0.252	-1	2.430	0	9.772	1	1940	53	1.2
1575.8	10000	38.1136	95.8472	-931	PS	2.7	-1	9.9	-1	1.0	-1	0.268	-1	2.626	0	9.808	1	1977	46	1.2
1575.9	10000	38.1136	95.8464	-930	PS	2.5	-1	9.9	-1	1.0	-1	0.249	-1	2.417	0	9.716	1	2004	56	1.2
1576.0	10000	38.1136	95.8456	-930	PS	2.4	-1	9.9	-1	1.0	-1	0.222	-1	2.269	0	10.214	1	2015	51	1.2
1576.1	10000	38.1136	95.8447	-929	PS	2.6	-1	9.9	-1	1.0	-1	0.230	-1	2.417	0	10.490	1	2037	36	1.2
1576.2	10000	38.1136	95.8439	-929	PS	2.4	-1	9.9	-1	1.0	-1	0.233	-1	2.250	0	9.652	1	2053	47	1.2
1576.3	10000	38.1136	95.8431	-928	PS	2.6	-1	9.9	-1	1.0	-1	0.242	-1	2.270	0	9.385	1	2087	49	1.2
1576.4	10000	38.1136	95.8423	-927	PS	2.7	-1	9.9	-1	1.0	-1	0.252	-1	2.399	0	9.505	1	2096	56	1.2
1576.5	10000	38.1136	95.8415	-927	PS	2.7	-1	9.9	-1	1.0	-1	0.250	-1	2.431	0	9.710	1	2120	52	1.2
1576.6	10000	38.1136	95.8407	-927	PS	2.8	0	9.9	-1	1.0	-1	0.264	-1	2.523	0	9.558	1	2140	55	1.2
1576.7	10000	38.1136	95.8399	-926	PS	2.5	0	9.9	-1	1.0	-1	0.286	-1	2.537	0	8.862	1	2159	55	1.2
1576.8	10000	38.1136	95.8391	-926	PS	2.6	0	9.9	-1	1.0	-1	0.240	-1	2.091	0	8.707	1	2148	44	1.2
1576.9	10000	38.1135	95.8383	-926	PS	2.6	0	9.9	-1	1.0	-1	0.288	-1	2.179	0	8.786	1	2143	52	1.2
1577.0	10000	38.1135	95.8375	-926	PS	2.6	0	9.9	-1	1.0	-1	0.255	-1	2.088	0	8.549	1	2131	57	1.2
1577.1	10000	38.1135	95.8367	-926	PS	2.6	0	9.9	-1	1.0	-1	0.260	-1	2.408	0	8.610	1	2126	57	1.2
1577.2	10000	38.1135	95.8359	-926	PS	2.6	0	9.9	-1	1.0	-1	0.264	-1	2.526	0	8.880	1	2099	55	1.2
1577.3	10000	38.1135	95.8351	-926	PS	2.6	0	9.9	-1	1.0	-1	0.264	-1	2.596	0	8.790	1	2079	55	1.2
1577.4	10000	38.1135	95.8343	-926	PS	2.6	0	9.9	-1	1.0	-1	0.264	-1	2.596	0	8.790	1	2054	55	1.2
1577.5	10000	38.1135	95.8335	-926	PS	2.6	0	9.9	-1	1.0	-1	0.264	-1	2.596	0	8.790	1	2037	55	1.2
1577.6	10000	38.1135	95.8327	-926	PS	2.6	0	9.9	-1	1.0	-1	0.264	-1	2.596	0	8.790	1	2017	55	1.2
1577.7	10000	38.1135	95.8319	-926	PS	2.6	0	9.9	-1	1.0	-1	0.264	-1	2.596	0	8.790	1	1996	55	1.2

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1577.8	10000	38.1135	95.8311	-926	PS	3.2	0	9.5	0	1.0	-1	0.332	0	3.197	1	9.621	1	1971	43	1.3
1577.9	10000	38.1135	95.8302	-926	PS	3.2	0	9.3	0	1.0	-1	0.342	0	3.231	1	9.447	1	1945	35	1.3
1578.0	10000	38.1135	95.8294	-926	PS	3.1	0	8.8	-1	1.0	-1	0.347	0	3.055	1	8.798	0	1920	34	1.3
1578.1	10000	38.1135	95.8286	-926	PS	3.1	0	8.5	-1	1.0	-1	0.363	1	3.080	1	8.482	0	1901	57	1.3
1578.2	10000	38.1135	95.8278	-926	PS	3.3	0	8.5	-1	1.0	-1	0.382	1	3.306	1	8.654	0	1882	38	1.4
1578.3	10000	38.1135	95.8270	-926	PS	3.2	0	8.9	-1	0.9	-1	0.362	1	3.411	1	9.418	1	1885	43	1.4
1578.4	10000	38.1135	95.8262	-926	PS	3.0	0	9.3	0	0.9	-1	0.327	0	3.332	1	10.179	2	1905	54	1.4
1578.5	10000	38.1135	95.8254	-926	PS	3.1	0	9.3	0	0.9	-1	0.333	0	3.280	1	9.843	1	1937	45	1.4
1578.6	10000	38.1135	95.8246	-925	PS	3.2	0	9.4	0	0.9	-1	0.343	0	3.391	1	9.874	1	1961	62	1.4
1578.7	10000	38.1134	95.8238	-925	PS	3.1	0	9.8	0	0.9	-1	0.315	0	3.243	1	10.294	2	1973	49	1.4
1578.8	10000	38.1134	95.8230	-924	PS	3.1	0	10.2	0	1.0	-1	0.306	0	3.211	1	10.491	2	2003	58	1.4
1578.9	10000	38.1134	95.8222	-924	PS	3.0	0	10.1	0	1.0	-1	0.293	-1	2.953	1	10.080	1	2026	38	1.4
1579.0	10000	38.1134	95.8214	-924	PS	3.0	0	10.3	1	1.0	-1	0.287	-1	2.942	0	10.251	2	2028	48	1.4
1579.1	10000	38.1134	95.8206	-923	PS	2.8	-1	10.4	1	1.0	-1	0.273	-1	2.737	0	10.011	1	2007	40	1.4
1579.2	10000	38.1134	95.8198	-923	PS	2.7	-1	10.2	1	1.1	-1	0.269	-1	2.586	0	9.630	1	1977	52	1.4
1579.3	10000	38.1134	95.8190	-922	PS	2.6	-1	10.3	1	1.0	-1	0.257	-1	2.589	0	10.072	1	1959	49	1.4
1579.4	10000	38.1134	95.8182	-921	PS	2.8	-1	10.4	1	1.0	-1	0.270	-1	2.821	0	10.430	2	1934	45	1.4
1579.5	10000	38.1134	95.8174	-921	PS	2.5	-1	10.3	1	0.9	-1	0.240	-2	2.610	0	10.893	2	1889	45	1.4
1579.6	10000	38.1134	95.8166	-921	PS	2.3	-2	10.2	1	0.9	-2	0.228	-2	2.643	0	11.588	3	1865	41	1.5
1579.7	10000	38.1134	95.8158	-920	PS	2.4	-2	9.7	0	0.9	-2	0.247	-1	2.786	0	11.291	2	1853	40	1.5
1579.8	10000	38.1134	95.8150	-920	PS	2.5	-1	9.5	0	0.8	-2	0.259	-1	2.976	1	11.500	3	1855	47	1.5
1579.9	10000	38.1134	95.8141	-919	PS	2.4	-2	9.7	0	0.8	-2	0.244	-1	2.916	0	11.929	3	1882	51	1.5
1580.0	10000	38.1134	95.8133	-919	PS	2.3	-2	10.0	0	0.8	-2	0.234	-2	2.842	0	12.130	3	1898	51	1.5
1580.1	10000	38.1134	95.8125	-918	PS	2.5	-1	9.8	0	0.8	-2	0.251	-1	2.917	0	11.636	3	1932	55	1.5
1580.2	10000	38.1134	95.8117	-918	PS	2.5	-1	9.6	0	0.9	-2	0.263	-1	2.869	0	10.908	2	1962	42	1.5
1580.3	10000	38.1133	95.8109	-918	PS	2.5	-1	9.7	0	0.9	-1	0.261	-1	2.749	0	10.533	2	1971	52	1.5
1580.4	10000	38.1134	95.8101	-917	PS	2.6	-1	9.8	0	0.9	-1	0.266	-1	2.823	0	10.594	2	1965	47	1.5
1580.5	10000	38.1133	95.8093	-917	PS	2.7	-1	9.6	0	0.9	-1	0.281	-1	2.910	0	10.372	2	1964	48	1.5
1580.6	10000	38.1133	95.8085	-916	PS	2.7	-1	9.2	0	1.0	-1	0.297	-1	2.875	1	9.685	2	1946	49	1.5
1580.7	10000	38.1133	95.8077	-915	PS	2.7	-1	9.6	0	1.0	-1	0.283	-1	2.754	1	9.726	2	1956	45	1.5
1580.8	10000	38.1133	95.8069	-913	PS	2.4	-1	9.4	0	1.0	-1	0.257	-1	2.475	1	9.612	2	1952	53	1.5
1580.9	10000	38.1133	95.8061	-910	PS	2.5	-1	9.7	0	1.0	-1	0.259	-1	2.522	1	9.733	2	1955	45	1.5
1581.0	10000	38.1133	95.8053	-911	PS	2.7	-1	10.0	0	1.0	-1	0.273	-1	2.690	1	9.848	2	1972	53	1.5
1581.1	10000	38.1133	95.8045	-915	PS	2.6	-1	9.6	0	1.0	-1	0.264	-1	2.630	1	9.980	2	1986	39	1.5
1581.2	10000	38.1133	95.8037	-916	PS	2.6	-1	9.4	0	1.0	-1	0.255	-1	2.537	1	9.951	2	2000	56	1.5
1581.3	10000	38.1133	95.8029	-917	PS	2.7	-1	9.7	0	1.0	-1	0.262	-1	2.668	1	10.193	2	2012	50	1.5
1581.4	10000	38.1133	95.8021	-917	PS	3.0	-1	10.0	0	1.0	-1	0.313	-1	3.061	1	9.792	2	2009	34	1.5
1581.5	10000	38.1133	95.8013	-916	PS	3.2	-1	10.2	0	1.0	-1	0.336	-1	3.239	1	9.643	2	2024	48	1.5
1581.6	10000	38.1133	95.8005	-916	PS	3.1	-1	10.2	0	1.0	-1	0.320	-1	3.010	1	9.400	2	2046	33	1.5
1581.7	10000	38.1133	95.7997	-917	PS	3.0	-1	10.5	0	1.0	-1	0.333	-1	2.952	1	8.869	2	2040	55	1.5
1581.8	10000	38.1133	95.7988	-916	PS	2.9	-1	10.6	0	1.0	-1	0.322	-1	2.763	1	8.586	2	2027	52	1.5
1581.9	10000	38.1133	95.7980	-916	PS	2.8	-1	10.1	0	1.0	-1	0.332	-1	2.886	1	8.701	2	2016	46	1.5
1582.0	10000	38.1133	95.7972	-915	PS	2.9	-1	9.9	0	1.0	-1	0.323	-1	2.891	1	8.958	2	1991	52	1.5
1582.1	10000	38.1133	95.7964	-915	PS	3.0	-1	10.0	0	1.0	-1	0.274	-1	2.423	1	8.831	2	1965	46	1.5
1582.2	10000	38.1132	95.7956	-915	PS	2.5	-2	9.5	0	1.0	-1	0.241	-2	2.152	1	8.920	2	1947	52	1.5
1582.3	10000	38.1132	95.7948	-915	PS	2.5	-2	9.5	0	1.0	-1	0.243	-2	2.156	1	8.862	2	1910	34	1.5
1582.4	10000	38.1132	95.7940	-914	PS	2.5	-2	9.5	0	1.0	-1	0.247	-2	2.125	1	8.611	2	1903	50	1.5
1582.5	10000	38.1132	95.7932	-913	PS	2.5	-2	9.5	0	1.0	-1	0.233	-2	2.037	1	8.732	2	1895	44	1.5
1582.6	10000	38.1132	95.7924	-912	PS	2.5	-2	9.5	0	1.0	-1	0.222	-2	2.014	1	8.064	2	1891	53	1.5
1582.7	10000	38.1132	95.7916	-912	PS	2.5	-2	9.5	0	1.0	-1	0.197	-2	1.721	1	8.752	2	1899	39	1.5
1582.8	10000	38.1132	95.7908	-911	PS	2.5	-2	9.5	0	1.0	-1	0.200	-2	1.734	1	8.658	2	1927	57	1.5
1582.9	10000	38.1132	95.7900	-910	PS	2.1	-2	9.4	0	0.9	-1	0.223	-2	1.919	0	8.603	2	1932	37	1.5

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1583.0	10000	38.1132	95.7892	-909	PS	2.2	-2	9.5	0	1.1	-1	0.228	-2	2.015	-1	8.820	0	1948	45	1.5
1583.1	10000	38.1132	95.7884	-908	PS	2.4	-2	9.9	0	1.0	-1	0.238	-2	2.348	-1	9.875	1	1955	48	1.5
1583.2	10000	38.1132	95.7876	-907	PS	2.6	-1	10.0	0	1.0	-1	0.258	-1	2.522	0	9.789	1	1982	29	1.5
1583.3	10000	38.1132	95.7868	-906	PS	2.6	-1	10.1	0	1.0	-1	0.259	-1	2.568	0	9.916	1	2020	57	1.5
1583.4	10000	38.1132	95.7860	-906	PS	2.8	-1	10.5	1	1.1	-1	0.262	-1	2.572	0	9.814	1	2050	41	1.5
1583.5	10000	38.1132	95.7852	-904	PS	2.7	-1	10.3	1	1.0	-1	0.261	-1	2.633	0	10.107	1	2046	47	1.5
1583.6	10000	38.1132	95.7843	-903	PS	2.7	-1	10.2	1	1.0	-1	0.266	-1	2.677	0	10.059	1	2043	57	1.5
1583.7	10000	38.1131	95.7835	-903	PS	2.7	-1	9.9	0	1.0	-1	0.269	-1	2.603	0	9.683	1	2038	57	1.5
1583.8	10000	38.1131	95.7827	-901	PS	2.6	-1	9.7	0	1.1	-1	0.265	-1	2.405	-1	9.086	1	2010	52	1.5
1583.9	10000	38.1131	95.7819	-900	PS	2.4	-1	9.7	0	1.1	-1	0.250	-1	2.256	-1	9.036	1	1998	63	1.5
1584.0	10000	38.1131	95.7811	-899	PS	2.3	-2	9.7	0	1.1	-1	0.238	-2	2.180	-1	9.154	1	1941	51	1.5
1584.1	10000	38.1131	95.7803	-898	PS	2.3	-2	9.6	0	1.0	-1	0.238	-2	2.330	-1	9.794	1	1894	59	1.5
1584.2	10000	38.1131	95.7795	-896	PS	2.5	-1	9.4	0	1.0	-1	0.265	-1	2.499	0	9.432	1	1869	54	1.5
1584.3	10000	38.1131	95.7787	-895	PS	2.2	-2	9.2	0	1.0	-1	0.238	-2	2.259	-1	9.480	1	1830	49	1.5
1584.4	10000	38.1131	95.7779	-894	PS	2.2	-2	9.2	0	1.0	-1	0.233	-2	2.234	-1	9.582	1	1806	52	1.5
1584.5	10000	38.1131	95.7771	-893	PS	2.0	-2	9.1	0	1.0	-1	0.215	-2	2.010	-1	9.348	1	1816	44	1.5
1584.6	10000	38.1131	95.7763	-892	PS	2.1	-2	8.9	-1	0.9	-2	0.231	-2	2.265	-1	9.797	1	1804	40	1.5
1584.7	10000	38.1131	95.7755	-891	PS	2.1	-2	8.6	-1	1.0	-1	0.243	-1	2.172	-1	8.924	1	1807	43	1.5
1584.8	10000	38.1131	95.7747	-890	PS	2.1	-2	8.6	-1	1.0	-1	0.245	-1	2.188	-1	8.922	1	1815	47	1.5
1584.9	10000	38.1131	95.7739	-890	PS	2.1	-2	8.6	-1	0.9	-1	0.244	-1	2.246	-1	9.222	1	1818	38	1.5
1585.0	10000	38.1131	95.7731	-889	PS	2.2	-2	8.9	-1	0.9	-1	0.245	-1	2.370	-1	9.663	1	1823	44	1.4
1585.1	10000	38.1131	95.7723	-888	PS	2.4	-1	8.9	-1	0.9	-2	0.272	-1	2.687	0	9.885	1	1826	51	1.4
1585.2	10000	38.1131	95.7715	-887	PS	2.5	-1	9.0	-1	0.9	-2	0.282	-1	2.937	0	10.421	2	1821	45	1.4
1585.3	10000	38.1130	95.7707	-886	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.815	0	9.974	1	1829	46	1.4
1585.4	10000	38.1130	95.7699	-885	PS	2.5	-1	9.0	-1	0.9	-2	0.273	-1	2.764	0	10.121	1	1847	47	1.4
1585.5	10000	38.1130	95.7691	-884	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.773	0	9.813	1	1856	42	1.4
1585.6	10000	38.1130	95.7682	-883	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1862	51	1.4
1585.7	10000	38.1130	95.7674	-883	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1872	56	1.4
1585.8	10000	38.1130	95.7666	-882	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1882	51	1.4
1585.9	10000	38.1130	95.7658	-882	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1883	36	1.4
1586.0	10000	38.1130	95.7650	-881	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1887	47	1.4
1586.1	10000	38.1130	95.7642	-879	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1895	44	1.4
1586.2	10000	38.1130	95.7634	-879	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1891	40	1.4
1586.3	10000	38.1130	95.7626	-878	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1889	70	1.4
1586.4	10000	38.1130	95.7618	-877	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1897	54	1.4
1586.5	10000	38.1130	95.7610	-877	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1908	42	1.4
1586.6	10000	38.1130	95.7602	-876	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1915	41	1.4
1586.7	10000	38.1130	95.7594	-875	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1917	46	1.4
1586.8	10000	38.1130	95.7586	-874	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1899	43	1.4
1586.9	10000	38.1130	95.7578	-874	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1894	49	1.4
1587.0	10000	38.1129	95.7569	-873	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1899	52	1.4
1587.1	10000	38.1129	95.7561	-873	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1896	47	1.4
1587.2	10000	38.1129	95.7553	-872	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1885	60	1.4
1587.3	10000	38.1129	95.7544	-870	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1881	45	1.4
1587.4	10000	38.1129	95.7536	-870	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1856	52	1.4
1587.5	10000	38.1129	95.7528	-869	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1819	62	1.4
1587.6	10000	38.1129	95.7520	-868	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1773	67	1.4
1587.7	10000	38.1129	95.7511	-866	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1734	55	1.4
1587.8	10000	38.1129	95.7503	-866	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1714	51	1.4
1587.9	10000	38.1129	95.7495	-865	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1685	44	1.4
1588.0	10000	38.1129	95.7486	-863	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1674	52	1.4
1588.1	10000	38.1129	95.7478	-863	PS	2.5	-1	8.9	-1	0.9	-2	0.282	-1	2.805	0	9.940	1	1670	40	1.4

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1588.2	10000	38.1129	95.7470	-862	PS	2.8	-1	8.1	-1	0.8	-2	0.347	0	3.534	2	10.183	2	1697	44	1.2
1588.3	10000	38.1129	95.7461	-861	PS	3.0	0	8.3	-1	0.8	-2	0.359	1	3.615	2	10.068	1	1731	55	1.1
1588.4	10000	38.1129	95.7453	-860	PS	2.8	-1	8.3	-1	0.8	-2	0.336	0	3.381	1	10.077	1	1772	50	1.1
1588.5	10000	38.1129	95.7445	-858	PS	3.0	0	8.6	-1	0.8	-2	0.348	0	3.598	2	10.339	2	1801	54	1.1
1588.6	10000	38.1129	95.7437	-857	PS	3.1	0	8.7	-1	0.9	-2	0.357	1	3.608	2	10.110	1	1837	41	1.1
1588.7	10000	38.1128	95.7428	-855	PS	3.4	1	8.7	-1	0.9	-2	0.391	1	3.956	2	10.112	1	1853	51	1.1
1588.8	10000	38.1128	95.7420	-854	PS	3.3	0	8.7	-1	0.9	-2	0.377	1	3.629	2	9.615	1	1867	44	1.1
1588.9	10000	38.1128	95.7412	-853	PS	3.4	0	9.0	-1	0.9	-2	0.375	1	3.841	2	10.233	2	1899	42	1.1
1589.0	10000	38.1128	95.7403	-851	PS	3.3	0	9.0	-1	0.9	-2	0.361	1	3.750	2	10.380	2	1926	40	1.1
1589.1	10000	38.1128	95.7395	-850	PS	3.3	0	9.7	0	0.9	-2	0.338	0	3.634	2	10.738	2	1936	44	1.1
1589.2	10000	38.1128	95.7387	-850	PS	2.9	0	9.7	0	1.0	-1	0.301	0	3.046	1	10.104	1	1944	48	1.1
1589.3	10000	38.1128	95.7378	-849	PS	2.7	-1	10.0	0	1.0	-1	0.272	-1	2.858	1	10.521	2	1948	38	1.1
1589.4	10000	38.1128	95.7370	-847	PS	2.7	-1	10.2	1	0.9	-1	0.264	-1	2.847	0	10.797	2	1966	40	1.0
1589.5	10000	38.1128	95.7362	-846	PS	2.9	0	10.3	1	0.9	-1	0.284	-1	3.122	1	10.977	2	1966	48	1.0
1589.6	10000	38.1128	95.7354	-845	PS	3.0	0	9.9	0	0.9	-1	0.298	-1	3.170	1	10.624	2	1943	45	1.0
1589.7	10000	38.1128	95.7345	-844	PS	3.1	0	9.8	0	1.0	-1	0.318	0	3.268	1	10.262	2	1926	47	1.0
1589.8	10000	38.1128	95.7337	-843	PS	3.0	0	9.5	0	0.9	-1	0.310	0	3.229	1	10.408	2	1897	52	1.0
1589.9	10000	38.1128	95.7329	-842	PS	3.1	0	9.2	0	0.9	-1	0.337	0	3.419	1	10.157	1	1870	49	1.0
1590.0	10000	38.1128	95.7320	-841	PS	2.9	0	8.9	-1	0.9	-1	0.333	0	3.119	1	9.377	1	1844	45	1.0
1590.1	10000	38.1128	95.7312	-841	PS	2.8	-1	8.8	-1	1.0	-1	0.317	0	2.923	1	9.222	1	1813	40	1.0
1590.2	10000	38.1128	95.7304	-840	PS	2.6	-1	8.9	-1	1.0	-1	0.296	-1	2.747	0	9.295	1	1818	56	1.0
1590.3	10000	38.1127	95.7296	-838	PS	2.6	-1	8.6	-1	0.9	-1	0.302	0	2.779	0	9.215	1	1811	48	1.0
1590.4	10000	38.1127	95.7287	-838	PS	2.3	-2	8.8	-1	0.9	-1	0.261	-1	2.495	0	9.575	1	1795	40	1.0
1590.5	10000	38.1127	95.7279	-837	PS	2.4	-1	8.6	-1	1.0	-1	0.283	-1	2.521	0	8.910	0	1794	52	1.0
1590.6	10000	38.1127	95.7271	-836	PS	2.3	-2	8.4	-1	0.9	-1	0.267	-1	2.480	0	9.280	1	1772	61	1.0
1590.7	10000	38.1127	95.7262	-835	PS	2.4	-1	8.4	-1	1.0	-1	0.293	-1	2.617	0	9.921	1	1752	42	1.0
1590.8	10000	38.1127	95.7254	-834	PS	2.4	-1	8.4	-1	1.0	-1	0.295	-1	2.600	0	9.817	1	1736	52	1.0
1590.9	10000	38.1127	95.7246	-833	PS	2.5	-1	8.4	-1	1.0	-1	0.318	-1	2.772	0	9.718	1	1691	50	1.0
1591.0	10000	38.1127	95.7237	-832	PS	2.4	-1	8.1	-1	1.0	-1	0.294	-1	2.672	0	9.086	1	1661	60	1.0
1591.1	10000	38.1127	95.7229	-831	PS	2.6	-1	8.1	-1	1.0	-1	0.335	-1	2.933	0	9.742	1	1641	53	1.0
1591.2	10000	38.1127	95.7221	-830	PS	2.5	-1	8.1	-1	1.0	-1	0.325	-1	2.988	0	9.200	1	1620	55	1.0
1591.3	10000	38.1127	95.7213	-829	PS	2.5	-1	8.1	-1	1.0	-1	0.325	-1	2.863	0	8.889	1	1629	42	1.0
1591.4	10000	38.1127	95.7204	-828	PS	2.5	-1	8.1	-1	1.0	-1	0.337	-1	3.025	0	8.800	1	1632	35	1.0
1591.5	10000	38.1127	95.7196	-827	PS	2.6	-1	8.1	-1	1.0	-1	0.329	-1	3.347	0	8.810	1	1633	40	1.0
1591.6	10000	38.1127	95.7188	-826	PS	2.6	-1	8.1	-1	1.0	-1	0.328	-1	3.694	0	8.198	1	1665	47	1.0
1591.7	10000	38.1127	95.7179	-825	PS	2.6	-1	8.1	-1	1.0	-1	0.350	-1	3.589	0	8.562	1	1685	50	1.0
1591.8	10000	38.1127	95.7171	-824	PS	2.6	-1	8.1	-1	1.0	-1	0.329	-1	3.484	0	8.904	1	1721	50	1.0
1591.9	10000	38.1126	95.7163	-823	PS	2.6	-1	8.1	-1	1.0	-1	0.321	-1	3.457	0	8.860	1	1747	50	1.0
1592.0	10000	38.1126	95.7155	-823	PS	2.6	-1	8.1	-1	1.0	-1	0.306	-1	3.094	0	8.280	1	1759	45	1.0
1592.1	10000	38.1126	95.7146	-822	PS	2.6	-1	8.1	-1	1.0	-1	0.281	-1	3.030	0	8.028	1	1805	53	1.0
1592.2	10000	38.1126	95.7138	-820	PS	2.6	-1	8.1	-1	1.0	-1	0.296	-1	3.225	0	8.162	1	1834	44	1.0
1592.3	10000	38.1126	95.7130	-819	PS	2.6	-1	8.1	-1	1.0	-1	0.280	-1	3.039	0	8.526	1	1854	47	1.0
1592.4	10000	38.1126	95.7121	-819	PS	2.6	-1	8.1	-1	1.0	-1	0.284	-1	3.039	0	8.943	1	1884	45	1.0
1592.5	10000	38.1126	95.7113	-817	PS	2.6	-1	8.1	-1	1.0	-1	0.274	-1	3.182	0	8.988	1	1895	57	1.0
1592.6	10000	38.1126	95.7105	-817	PS	2.6	-1	8.1	-1	1.0	-1	0.284	-1	3.250	0	8.458	1	1896	61	1.0
1592.7	10000	38.1126	95.7096	-815	PS	2.6	-1	8.1	-1	1.0	-1	0.303	-1	3.285	0	8.354	1	1902	59	1.0
1592.8	10000	38.1126	95.7088	-814	PS	2.6	-1	8.1	-1	1.0	-1	0.317	-1	3.247	0	8.935	1	1866	46	1.0
1592.9	10000	38.1126	95.7080	-813	PS	2.6	-1	8.1	-1	1.0	-1	0.313	-1	3.282	0	8.583	1	1853	59	1.0
1593.0	10000	38.1126	95.7072	-812	PS	2.6	-1	8.1	-1	1.0	-1	0.313	-1	3.266	0	8.742	1	1823	49	1.0
1593.1	10000	38.1126	95.7063	-811	PS	2.6	-1	8.1	-1	1.0	-1	0.272	-1	3.272	0	8.900	1	1786	60	1.0
1593.2	10000	38.1126	95.7055	-810	PS	2.6	-1	8.1	-1	1.0	-1	0.282	-1	3.282	0	8.900	1	1759	45	1.0
1593.3	10000	38.1126	95.7047	-808	PS	2.8	-1	8.1	-1	1.0	-1	0.282	-1	3.282	0	8.900	1	1750	42	1.0

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1593.4	10000	38.1126	95.7038	-807	PS	2.6	-1	9.8	0	0.8	-2	0.269	-1	3.400	1	12.657	4	1736	50	0.9
1593.5	10000	38.1126	95.7030	-806	PS	2.6	-1	9.5	0	0.8	-2	0.271	-1	3.198	1	11.804	3	1733	44	0.9
1593.6	10000	38.1125	95.7022	-805	PS	2.6	-1	9.4	0	0.8	-2	0.274	-1	3.043	1	11.094	2	1712	52	0.9
1593.7	10000	38.1125	95.7013	-804	PS	3.0	0	9.1	0	0.8	-2	0.325	0	3.642	2	11.213	2	1715	54	0.9
1593.8	10000	38.1125	95.7005	-802	PS	3.2	0	8.8	-1	0.9	-2	0.365	1	3.770	2	10.341	2	1730	49	0.9
1593.9	10000	38.1125	95.6997	-801	PS	3.1	0	8.4	-1	0.9	-1	0.368	1	3.303	1	8.981	1	1750	48	0.9
1594.0	10000	38.1125	95.6989	-801	PS	2.8	-1	8.0	-1	1.0	-1	0.354	0	2.873	0	8.108	0	1762	41	0.9
1594.1	10000	38.1125	95.6980	-801	PS	3.0	0	8.2	-1	1.0	-1	0.363	0	2.850	0	7.848	0	1799	54	0.9
1594.2	10000	38.1125	95.6972	-799	QAL	3.0	0	8.8	0	1.1	-1	0.337	0	2.804	0	8.312	0	1846	43	0.9
1594.3	10000	38.1125	95.6964	-798	QAL	2.9	0	9.3	0	1.1	-1	0.316	0	2.659	0	8.404	1	1902	48	0.9
1594.4	10000	38.1125	95.6955	-797	QAL	2.5	-1	9.0	0	1.2	0	0.279	-1	2.056	-1	7.377	0	1938	54	0.9
1594.5	10000	38.1125	95.6947	-796	QAL	2.6	-1	9.3	0	1.3	0	0.279	-1	2.011	-1	7.221	0	1982	46	0.9
1594.6	10000	38.1125	95.6939	-796	QAL	2.5	-1	9.8	0	1.3	0	0.255	-1	1.929	-1	7.565	0	2011	37	0.9
1594.7	10000	38.1125	95.6931	-795	QAL	2.6	-1	10.3	1	1.3	0	0.252	-1	1.993	-1	7.920	0	2033	32	0.9
1594.8	10000	38.1125	95.6922	-794	QAL	2.4	-1	10.2	1	1.3	0	0.239	-1	1.853	-1	7.757	0	2042	42	0.9
1594.9	10000	38.1125	95.6914	-793	QAL	2.6	-1	9.5	0	1.4	1	0.271	-1	1.842	-1	6.807	-1	2043	46	0.9
1595.0	10000	38.1125	95.6906	-792	QAL	2.4	-1	9.4	0	1.4	1	0.261	-1	1.695	-1	6.502	-1	2034	38	0.9
1595.1	10000	38.1124	95.6897	-791	QAL	2.5	-1	9.7	0	1.4	1	0.260	-1	1.804	-1	6.928	0	2034	61	0.9
1595.2	10000	38.1124	95.6889	-790	QAL	2.6	-1	9.0	0	1.4	1	0.291	-1	1.861	-1	6.400	-1	2026	53	0.9
1595.3	10000	38.1124	95.6881	-790	QAL	2.9	0	8.6	0	1.4	1	0.339	0	2.099	-1	6.185	-1	2020	34	0.9
1595.4	10000	38.1124	95.6872	-789	QAL	2.9	0	8.1	-1	1.4	1	0.360	0	2.082	-1	5.778	-1	2024	52	0.9
1595.5	10000	38.1124	95.6864	-788	QAL	3.2	0	7.8	-1	1.4	1	0.412	1	2.289	0	5.554	-1	2020	56	0.9
1595.6	10000	38.1124	95.6856	-787	QAL	2.9	0	7.8	-1	1.4	1	0.372	1	2.097	-1	5.641	-1	2006	57	0.9
1595.7	10000	38.1124	95.6848	-785	QAL	2.9	0	7.3	-2	1.4	1	0.402	1	2.103	-1	5.229	-2	1992	56	0.9
1595.8	10000	38.1124	95.6839	-781	QAL	2.9	0	7.1	-2	1.4	1	0.414	1	2.026	-1	4.888	-2	1974	43	1.0
1595.9	10000	38.1124	95.6831	-779	QAL	2.9	0	7.3	-1	1.4	1	0.403	1	2.092	-1	5.195	-2	1969	40	1.0
1596.0	10000	38.1124	95.6823	-779	QAL	3.3	0	7.5	-1	1.4	1	0.394	1	2.116	-1	5.370	-1	1977	42	1.0
1596.1	10000	38.1124	95.6814	-781	QAL	3.3	0	7.6	-1	1.4	1	0.389	1	2.119	-1	5.443	-1	1981	45	1.0
1596.2	10000	38.1124	95.6806	-782	QAL	3.3	0	7.3	-1	1.4	1	0.378	1	2.087	-1	5.520	-1	1994	44	1.0
1596.3	10000	38.1124	95.6798	-781	QAL	3.5	0	7.3	-1	1.4	1	0.405	1	2.404	-1	5.935	-1	2010	52	1.0
1596.4	10000	38.1124	95.6789	-780	QAL	3.5	0	7.5	-1	1.4	1	0.390	1	2.484	-1	6.375	-1	2059	51	1.0
1596.5	10000	38.1124	95.6781	-780	QAL	3.2	0	7.3	-1	1.4	1	0.391	1	2.527	-1	6.466	-1	2099	53	1.0
1596.6	10000	38.1124	95.6773	-779	QAL	3.3	0	7.3	-1	1.4	1	0.379	1	2.210	-1	5.833	-1	2122	54	1.0
1596.7	10000	38.1124	95.6765	-779	QAL	3.3	0	7.3	-1	1.4	1	0.373	1	2.056	-1	5.508	-1	2129	44	1.0
1596.8	10000	38.1123	95.6756	-777	QAL	3.3	0	7.3	-1	1.4	1	0.397	1	2.181	-1	5.497	-1	2104	57	1.0
1596.9	10000	38.1123	95.6748	-776	QAL	3.3	0	7.3	-1	1.4	1	0.371	1	2.134	-1	5.748	-1	2063	56	1.0
1597.0	10000	38.1123	95.6740	-775	QAL	3.3	0	7.3	-1	1.4	1	0.372	1	2.124	-1	5.716	-1	2020	49	1.0
1597.1	10000	38.1123	95.6731	-774	QAL	3.3	0	7.3	-1	1.4	1	0.409	1	2.299	-1	5.624	-1	1956	43	1.0
1597.2	10000	38.1123	95.6723	-773	QAL	3.3	0	7.3	-1	1.4	1	0.366	1	2.224	-1	5.075	-1	1871	36	1.0
1597.3	10000	38.1123	95.6715	-772	QAL	3.3	0	7.3	-1	1.4	1	0.357	1	2.329	-1	5.518	-1	1806	48	1.0
1597.4	10000	38.1123	95.6707	-771	QAL	3.3	0	7.3	-1	1.4	1	0.334	1	2.308	-1	5.902	-1	1754	44	1.0
1597.5	10000	38.1123	95.6698	-769	QAL	3.3	0	7.3	-1	1.4	1	0.309	1	2.174	-1	5.047	-1	1734	54	1.0
1597.6	10000	38.1123	95.6690	-768	QAL	3.3	0	7.3	-1	1.4	1	0.323	1	2.205	-1	5.824	-1	1736	57	1.0
1597.7	10000	38.1123	95.6682	-766	QAL	3.3	0	7.3	-1	1.4	1	0.292	1	2.935	-1	6.617	-1	1740	49	1.0
1597.8	10000	38.1123	95.6673	-764	QAL	3.3	0	7.3	-1	1.4	1	0.250	1	2.791	-1	6.167	-1	1775	35	1.0
1597.9	10000	38.1123	95.6665	-763	QAL	3.3	0	7.3	-1	1.4	1	0.269	1	2.838	-1	6.083	-1	1832	51	1.0
1598.0	10000	38.1123	95.6657	-760	QAL	3.3	0	7.3	-1	1.4	1	0.307	1	2.924	-1	6.151	-1	1868	49	1.0
1598.1	10000	38.1123	95.6648	-758	QAL	3.3	0	7.3	-1	1.4	1	0.298	1	2.933	-1	6.150	-1	1883	41	1.0
1598.2	10000	38.1123	95.6640	-756	QAL	3.3	0	7.3	-1	1.4	1	0.297	1	2.938	-1	6.160	-1	1899	35	1.0
1598.3	10000	38.1122	95.6632	-754	QAL	3.3	0	7.3	-1	1.4	1	0.307	1	2.938	-1	6.148	-1	1923	53	1.0
1598.4	10000	38.1122	95.6624	-754	QAL	3.3	0	7.3	-1	1.4	1	0.321	1	2.938	-1	6.148	-1	1943	43	1.0
1598.5	10000	38.1122	95.6615	-754	QAL	2.8	-1	7.3	-1	1.4	1	0.307	1	2.938	-1	6.148	-1	1941	38	1.0

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
1598.6	10000	38.1122	95.6607	-752	QAL	3.0	0	9.0	0	1.1	-1	0.334	0	2.748	0	8.228	0	1948	50	1.0
1598.7	10000	38.1122	95.6599	-748	QAL	2.9	0	9.2	0	1.1	-1	0.320	0	2.727	0	8.527	1	1943	58	1.0
1598.8	10000	38.1122	95.6590	-746	QAL	2.6	-1	9.9	1	1.1	-1	0.264	-1	2.357	0	8.937	1	1950	44	1.0
1598.9	10000	38.1122	95.6582	-746	QAL	2.7	-1	9.7	0	1.1	0	0.275	-1	2.369	0	8.621	1	1958	48	1.0
1599.0	10000	38.1122	95.6574	-744	QAL	2.6	-1	9.9	1	1.1	-1	0.267	-1	2.465	0	9.228	1	1941	57	1.0
1599.1	10000	38.1122	95.6566	-742	QAL	2.8	-1	9.8	1	1.1	-1	0.284	-1	2.510	0	8.829	1	1951	50	1.0
1599.2	10000	38.1122	95.6557	-740	QAL	2.8	-1	9.2	0	1.1	0	0.299	-1	2.416	0	8.077	0	1944	33	1.0
1599.3	10000	38.1122	95.6549	-740	QAL	2.8	0	9.5	0	1.1	0	0.297	-1	2.502	0	8.419	1	1940	41	1.1
1599.4	10000	38.1122	95.6541	-740	QAL	2.8	0	9.7	0	1.1	-1	0.295	-1	2.576	0	8.740	1	1958	44	1.1
1599.5	10000	38.1122	95.6532	-738	QAL	3.1	0	9.6	0	1.1	-1	0.323	0	2.892	1	8.967	1	1956	44	1.1
1599.6	10000	38.1122	95.6524	-737	QAL	3.1	0	9.6	0	1.0	-1	0.322	0	2.973	1	9.233	1	1945	42	1.1
1599.7	10000	38.1122	95.6516	-735	QAL	2.9	0	9.7	0	1.0	-1	0.303	-1	2.807	0	9.259	1	1949	54	1.1
1599.8	10000	38.1122	95.6507	-733	QAL	2.9	0	9.8	0	1.0	-1	0.294	-1	2.856	0	9.703	1	1928	38	1.1
1599.9	10000	38.1121	95.6499	-731	QAL	2.9	0	9.8	0	1.0	-1	0.293	-1	2.885	1	9.851	1	1922	55	1.1
1600.0	10000	38.1121	95.6491	-729	QAL	2.7	-1	9.6	0	1.0	-1	0.278	-1	2.600	0	9.345	1	1914	57	1.1
1600.1	10000	38.1121	95.6483	-727	QAL	3.0	0	9.4	0	1.0	-1	0.321	0	2.967	1	9.240	1	1911	45	1.1
1600.2	10000	38.1121	95.6474	-725	QAL	2.9	0	8.8	0	1.0	-1	0.335	0	2.881	1	8.599	1	1908	48	1.1
1600.3	10000	38.1121	95.6466	-723	QAL	2.8	0	9.0	0	1.1	-1	0.314	0	2.698	0	8.593	1	1925	53	1.1
1600.4	10000	38.1121	95.6458	-721	QAL	2.8	0	9.0	0	1.0	-1	0.314	0	2.710	0	8.637	1	1929	54	1.1
1600.5	10000	38.1121	95.6449	-720	QAL	2.8	0	9.0	0	1.1	-1	0.315	0	2.662	0	8.440	1	1950	51	1.1
1600.6	10000	38.1121	95.6441	-718	QAL	2.8	-1	9.3	0	1.1	-1	0.301	-1	2.610	0	8.669	1	1975	53	1.1
1600.7	10000	38.1121	95.6433	-717	QAL	2.9	0	9.5	0	1.1	-1	0.306	0	2.742	0	8.966	1	1989	44	1.1
1600.8	10000	38.1121	95.6424	-715	QAL	2.5	-1	9.8	1	1.1	-1	0.251	-1	2.219	0	8.830	1	2006	42	1.1
1600.9	10000	38.1121	95.6416	-714	QAL	2.5	-1	10.1	1	1.2	0	0.249	-1	2.192	-1	8.812	1	2018	50	1.1
1601.0	10000	38.1121	95.6408	-712	QAL	2.6	-1	10.2	1	1.2	0	0.252	-1	2.151	-1	8.536	1	2046	48	1.1
1601.1	10000	38.1121	95.6400	-710	QAL	2.7	-1	10.4	1	1.3	0	0.259	-1	2.111	-1	8.152	0	2064	53	1.1
1601.2	10000	38.1121	95.6391	-709	QAL	2.7	-1	10.2	1	1.3	0	0.263	-1	2.053	-1	7.829	0	2053	55	1.1
1601.3	10000	38.1121	95.6383	-707	QAL	2.7	-1	10.0	1	1.3	0	0.270	-1	2.034	-1	7.536	0	2034	43	1.1
1601.4	10000	38.1120	95.6375	-706	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	2.039	-1	7.555	0	2039	42	1.1
1601.5	10000	38.1120	95.6366	-704	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	2.025	-1	7.333	0	2025	53	1.1
1601.6	10000	38.1120	95.6358	-703	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	2.039	-1	7.697	0	2039	51	1.1
1601.7	10000	38.1120	95.6350	-701	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	2.012	-1	7.052	0	2012	33	1.1
1601.8	10000	38.1120	95.6342	-700	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	2.006	-1	7.154	0	2006	35	1.1
1601.9	10000	38.1120	95.6333	-699	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	2.021	-1	7.321	0	2021	45	1.1
1602.0	10000	38.1120	95.6325	-698	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	2.024	-1	7.191	0	2024	39	1.1
1602.1	10000	38.1120	95.6317	-696	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	2.022	-1	7.544	0	2022	44	1.1
1602.2	10000	38.1120	95.6308	-695	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	2.023	-1	7.726	0	2023	28	1.1
1602.3	10000	38.1120	95.6300	-694	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	2.005	-1	7.579	0	2005	38	1.1
1602.4	10000	38.1120	95.6292	-693	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	1995	-1	7.590	0	1995	56	1.1
1602.5	10000	38.1120	95.6283	-692	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	1992	-1	7.377	0	1992	43	1.1
1602.6	10000	38.1120	95.6275	-691	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	1969	-1	7.178	0	1969	52	1.1
1602.7	10000	38.1120	95.6267	-690	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	1972	-1	7.211	0	1972	56	1.1
1602.8	10000	38.1120	95.6259	-690	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	1965	-1	7.428	0	1965	54	1.1
1602.9	10000	38.1119	95.6251	-689	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	1959	-1	7.554	0	1959	62	1.1
1603.0	10000	38.1119	95.6243	-688	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	1956	-1	7.350	0	1956	36	1.1
1603.1	10000	38.1119	95.6234	-687	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	1957	-1	7.293	0	1957	47	1.1
1603.2	10000	38.1119	95.6226	-687	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	1941	-1	7.233	0	1941	52	1.1
1603.3	10000	38.1119	95.6218	-686	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	1958	-1	7.342	0	1958	48	1.1
1603.4	10000	38.1119	95.6210	-685	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	1921	-1	7.094	0	1921	47	1.1
1603.5	10000	38.1119	95.6202	-685	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	1896	-1	7.096	0	1896	52	1.1
1603.6	10000	38.1119	95.6194	-685	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	1869	-1	7.096	0	1869	48	1.1
1603.7	10000	38.1119	95.6186	-685	QAL	2.7	-1	9.9	1	1.3	0	0.272	-1	1869	-1	7.096	0	1869	48	1.1

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1603.8	10000	38.1119	95.6178	-685	QAL	2.7	-1	9.3	0	0.9	-1	0.294	-1	3.053	1	10.380	2	1846	54	1.0
1603.9	10000	38.1119	95.6170	-684	QAL	2.6	-1	9.0	0	0.9	-1	0.295	-1	2.844	0	9.643	1	1832	48	1.0
1604.0	10000	38.1119	95.6161	-684	QAL	2.8	0	8.5	-1	0.9	-1	0.333	0	3.008	1	9.045	1	1800	59	1.0
1604.1	10000	38.1119	95.6153	-684	QAL	2.7	-1	8.4	-1	1.0	-1	0.321	0	2.799	0	8.731	1	1785	48	1.0
1604.2	10000	38.1119	95.6145	-684	QAL	2.6	-1	8.6	-1	1.0	-1	0.298	-1	2.576	0	8.637	1	1782	43	1.0
1604.3	10000	38.1119	95.6137	-683	QAL	2.5	-1	9.0	0	1.0	-1	0.276	-1	2.501	0	9.056	1	1785	62	1.0
1604.4	10000	38.1119	95.6129	-683	QAL	2.6	-1	9.3	0	1.0	-1	0.278	-1	2.545	0	9.139	1	1803	65	1.0
1604.5	10000	38.1119	95.6121	-684	QAL	2.6	-1	9.2	0	1.1	-1	0.287	-1	2.496	0	8.706	1	1818	42	1.0
1604.6	10000	38.1119	95.6113	-683	QAL	2.8	0	9.6	0	1.0	-1	0.297	-1	2.785	0	9.389	1	1816	52	1.0
1604.7	10000	38.1119	95.6105	-683	QAL	2.6	-1	10.0	1	1.0	-1	0.258	-1	2.611	0	10.133	2	1798	52	1.0
1604.8	10000	38.1119	95.6096	-683	QAL	2.6	-1	9.6	0	1.0	-1	0.272	-1	2.656	0	9.783	1	1766	49	1.0
1604.9	10000	38.1119	95.6088	-684	QAL	2.8	0	9.3	0	0.9	-1	0.305	0	3.044	1	9.989	2	1743	37	1.0
1605.0	10000	38.1119	95.6080	-683	QAL	2.8	0	8.9	0	0.9	-1	0.319	0	3.148	1	9.873	2	1725	51	1.0
1605.1	10000	38.1119	95.6072	-683	QAL	2.8	0	8.7	0	0.9	-1	0.324	0	3.103	1	9.588	1	1715	44	1.0
1605.2	10000	38.1119	95.6064	-682	QAL	2.8	0	8.7	0	0.9	-1	0.341	0	3.285	1	9.637	1	1696	54	1.0
1605.3	10000	38.1119	95.6056	-683	QAL	2.7	-1	8.4	-1	0.9	-2	0.316	0	3.103	1	9.822	1	1689	49	1.0
1605.4	10000	38.1119	95.6048	-684	QAL	2.6	-1	8.1	-1	0.9	-1	0.322	0	2.934	1	9.123	1	1719	54	1.0
1605.5	10000	38.1119	95.6040	-685	QAL	2.6	-1	8.4	-1	0.9	-1	0.308	0	2.758	0	8.951	1	1757	53	1.0
1605.6	10000	38.1119	95.6032	-685	QAL	2.7	-1	8.8	0	1.0	-1	0.313	0	2.792	0	8.934	1	1801	40	1.0
1605.7	10000	38.1119	95.6024	-685	QAL	2.7	-1	8.9	0	1.0	-1	0.308	0	2.841	0	9.240	1	1832	42	0.9
1605.8	10000	38.1118	95.6015	-685	QAL	2.8	0	9.1	0	1.0	-1	0.310	0	2.977	1	9.588	1	1845	57	0.9
1605.9	10000	38.1119	95.6007	-685	QAL	2.8	-1	9.7	0	0.9	-1	0.288	-1	3.028	1	10.519	2	1872	44	0.9
1606.0	10000	38.1119	95.5999	-686	QAL	2.8	0	9.9	0	1.0	-1	0.309	0	3.220	1	10.406	2	1902	44	0.9
1606.1	10000	38.1118	95.5991	-686	QAL	3.0	0	10.1	1	1.0	-1	0.301	-1	3.191	1	10.588	2	1906	49	0.9
1606.2	10000	38.1118	95.5983	-685	QAL	3.0	0	10.2	1	0.9	-1	0.291	-1	3.206	1	11.008	2	1921	44	0.9
1606.3	10000	38.1118	95.5975	-686	QAL	2.8	-1	10.5	1	0.9	-1	0.264	-1	3.030	1	11.465	3	1925	52	0.9
1606.4	10000	38.1118	95.5967	-685	QAL	3.1	0	10.7	1	0.9	-1	0.287	-1	3.330	1	11.612	3	1929	44	0.9
1606.5	10000	38.1118	95.5959	-685	QAL	3.1	0	10.4	1	0.9	-1	0.299	-1	3.415	1	11.420	3	1928	42	0.9
1606.6	10000	38.1118	95.5951	-685	QAL	3.4	0	10.0	1	0.9	-1	0.334	0	3.715	2	11.108	2	1908	41	0.9
1606.7	10000	38.1118	95.5943	-685	QAL	3.5	0	9.7	1	0.9	-1	0.345	0	3.722	2	10.777	2	1888	47	0.9
1606.8	10000	38.1118	95.5934	-685	QAL	3.5	0	9.6	1	0.9	-1	0.357	0	3.728	2	10.431	2	1872	47	0.9
1606.9	10000	38.1118	95.5926	-685	QAL	3.5	0	9.6	1	0.9	-1	0.364	0	3.846	2	10.569	2	1846	59	0.9
1607.0	10000	38.1118	95.5918	-684	QAL	3.5	0	9.6	1	0.9	-1	0.364	0	3.644	2	9.386	1	1819	48	0.9
1607.1	10000	38.1118	95.5910	-683	QAL	3.5	0	9.6	1	0.9	-1	0.362	0	3.316	2	9.149	1	1804	41	0.9
1607.2	10000	38.1118	95.5902	-683	QAL	3.5	0	9.6	1	0.9	-1	0.353	0	3.136	2	9.870	1	1805	57	0.9
1607.3	10000	38.1118	95.5894	-683	QAL	3.5	0	9.6	1	0.9	-1	0.327	0	2.802	2	9.578	1	1827	45	0.9
1607.4	10000	38.1118	95.5886	-683	QAL	3.5	0	9.6	1	0.9	-1	0.296	0	2.568	2	9.667	1	1844	53	0.9
1607.5	10000	38.1118	95.5878	-682	QAL	3.5	0	9.6	1	0.9	-1	0.287	0	2.396	2	9.362	1	1855	48	0.9
1607.6	10000	38.1118	95.5870	-682	QAL	3.5	0	9.6	1	0.9	-1	0.294	0	2.387	2	9.106	1	1881	49	0.9
1607.7	10000	38.1118	95.5861	-681	QAL	3.5	0	9.6	1	0.9	-1	0.297	0	2.395	2	9.066	1	1911	35	0.9
1607.8	10000	38.1118	95.5853	-680	QAL	3.5	0	9.6	1	0.9	-1	0.303	0	2.419	2	8.974	1	1921	42	0.9
1607.9	10000	38.1118	95.5845	-680	QAL	3.5	0	9.6	1	0.9	-1	0.274	0	2.318	2	8.455	1	1925	44	0.9
1608.0	10000	38.1118	95.5837	-679	QAL	3.5	0	9.6	1	0.9	-1	0.282	0	2.369	2	8.388	1	1927	54	0.9
1608.1	10000	38.1118	95.5829	-679	PD	3.5	0	9.6	1	0.9	-1	0.300	0	2.475	2	8.253	1	1931	48	0.9
1608.2	10000	38.1118	95.5821	-677	PD	3.5	0	9.6	1	0.9	-1	0.298	0	2.492	2	8.224	1	1938	45	0.9
1608.3	10000	38.1118	95.5813	-677	PD	3.5	0	9.6	1	0.9	-1	0.276	0	2.487	2	8.341	1	1935	44	0.9
1608.4	10000	38.1118	95.5805	-676	PD	3.5	0	9.6	1	0.9	-1	0.276	0	2.560	2	8.276	1	1928	42	0.9
1608.5	10000	38.1118	95.5797	-675	PD	3.5	0	9.6	1	0.9	-1	0.262	0	2.347	2	7.946	1	1939	47	0.9
1608.6	10000	38.1118	95.5788	-674	PD	3.5	0	9.6	1	0.9	-1	0.275	0	2.416	2	7.789	1	1954	44	0.9
1608.7	10000	38.1118	95.5780	-673	PD	3.5	0	9.6	1	0.9	-1	0.282	0	2.541	2	8.013	1	1966	41	0.9
1608.8	10000	38.1118	95.5772	-672	PD	3.5	0	9.6	1	0.9	-1	0.271	0	2.567	2	9.454	1	1969	47	0.9
1608.9	10000	38.1118	95.5764	-672	PD	3.5	0	9.6	1	0.9	-1	0.267	0	2.647	2	9.932	1	1975	44	0.9

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1609.0	10000	38.1118	95.5756	-671	PD	2.9	-1	10.9	1	1.0	-1	0.268	-1	2.912	0	10.851	1	1977	51	0.9
1609.1	10000	38.1117	95.5748	-669	PD	2.9	-1	10.7	1	1.0	-1	0.273	-1	2.941	0	10.780	1	1969	54	0.8
1609.2	10000	38.1117	95.5740	-669	PD	2.9	-1	10.7	1	0.9	-1	0.275	-1	3.168	0	11.506	2	1947	53	0.8
1609.3	10000	38.1117	95.5732	-668	PD	2.8	-1	10.3	1	0.9	-1	0.271	-1	3.177	0	11.707	2	1917	49	0.8
1609.4	10000	38.1117	95.5724	-666	PD	2.6	-1	10.4	1	0.9	-1	0.253	-1	2.880	0	11.364	2	1887	53	0.8
1609.5	10000	38.1117	95.5715	-666	PD	2.7	-1	10.0	0	0.9	-1	0.273	-1	3.061	0	11.228	2	1885	54	0.8
1609.6	10000	38.1117	95.5707	-665	PD	2.7	-1	9.9	0	0.9	-1	0.277	-1	3.084	0	11.150	2	1873	46	0.8
1609.7	10000	38.1117	95.5699	-664	PD	2.7	-1	9.2	0	0.9	-1	0.291	-1	2.828	0	9.712	1	1867	43	0.8
1609.8	10000	38.1117	95.5691	-663	PD	2.8	-1	9.1	0	1.0	-1	0.307	0	2.889	0	9.409	0	1893	51	0.8
1609.9	10000	38.1117	95.5683	-662	PD	3.0	0	9.2	0	1.0	-1	0.320	0	3.052	0	9.532	0	1908	37	0.8
1610.0	10000	38.1117	95.5675	-661	PD	3.1	0	9.3	0	0.9	-1	0.337	0	3.328	1	9.872	1	1935	46	0.8
1610.1	10000	38.1117	95.5667	-660	PD	3.3	0	9.7	0	0.9	-1	0.341	0	3.632	1	10.662	1	1946	48	0.8
1610.2	10000	38.1117	95.5659	-659	PD	3.2	0	10.0	0	0.9	-1	0.321	0	3.398	1	10.601	1	1949	54	0.8
1610.3	10000	38.1117	95.5651	-658	PD	3.1	0	10.0	0	0.9	-1	0.307	0	3.266	1	10.632	1	1958	41	0.8
1610.4	10000	38.1117	95.5643	-658	PD	3.2	0	10.2	0	0.9	-1	0.310	0	3.597	1	11.606	2	1956	57	0.8
1610.5	10000	38.1117	95.5634	-657	PD	3.5	1	10.3	1	0.8	-1	0.341	0	4.128	2	12.122	2	1955	43	0.8
1610.6	10000	38.1117	95.5626	-656	PD	3.6	1	10.1	1	0.8	-1	0.355	0	4.273	2	12.027	2	1970	63	0.8
1610.7	10000	38.1117	95.5618	-655	PD	3.7	1	10.2	1	0.9	-1	0.362	1	4.290	2	11.843	2	1964	46	0.8
1610.8	10000	38.1117	95.5610	-655	PD	3.6	1	9.8	1	0.9	-1	0.364	1	4.088	2	11.216	2	1967	38	0.8
1610.9	10000	38.1117	95.5602	-654	PD	3.6	1	10.2	1	0.8	-1	0.356	0	4.292	2	12.070	2	1970	56	0.8
1611.0	10000	38.1117	95.5594	-653	PD	3.9	1	10.1	1	0.8	-2	0.384	1	4.714	3	12.286	2	1966	46	0.8
1611.1	10000	38.1117	95.5586	-653	PD	3.6	1	10.1	1	0.8	-1	0.361	1	4.270	2	11.827	2	1978	46	0.8
1611.2	10000	38.1117	95.5578	-653	PD	3.2	1	10.0	0	0.9	-1	0.317	0	3.550	1	11.350	2	1949	51	0.8
1611.3	10000	38.1117	95.5569	-652	PD	3.0	1	10.1	0	0.9	-1	0.302	-1	3.518	1	11.641	2	1920	52	0.8
1611.4	10000	38.1117	95.5561	-652	PD	3.1	1	9.6	0	0.8	-1	0.324	0	3.682	1	11.355	2	1912	54	0.8
1611.5	10000	38.1117	95.5553	-651	PD	3.1	1	9.7	0	0.8	-2	0.322	0	3.753	1	11.649	2	1891	60	0.8
1611.6	10000	38.1117	95.5545	-651	PD	2.9	-1	9.1	0	0.8	-2	0.321	0	3.520	1	10.981	1	1863	51	0.8
1611.7	10000	38.1116	95.5537	-651	PD	3.1	0	9.6	0	0.9	-1	0.326	0	3.563	1	10.937	1	1863	58	0.8
1611.8	10000	38.1116	95.5529	-650	PD	3.2	0	9.3	0	0.9	-1	0.346	0	3.642	1	10.535	1	1857	52	0.8
1611.9	10000	38.1116	95.5521	-650	PD	3.3	0	9.1	0	0.9	-1	0.361	0	3.789	1	10.484	1	1871	57	0.8
1612.0	10000	38.1116	95.5513	-650	PD	3.2	0	9.1	0	0.9	-1	0.351	0	3.415	1	10.319	1	1880	53	0.8
1612.1	10000	38.1116	95.5505	-649	PD	3.2	0	9.2	0	0.9	-1	0.341	0	3.476	1	10.200	1	1886	55	0.8
1612.2	10000	38.1116	95.5497	-649	PD	3.3	0	9.2	0	0.9	-1	0.360	0	3.777	1	10.488	1	1889	45	0.8
1612.3	10000	38.1116	95.5488	-649	PD	3.4	0	9.2	0	0.9	-1	0.372	0	4.062	1	10.529	1	1903	57	0.8
1612.4	10000	38.1116	95.5480	-649	PD	3.4	0	9.3	0	0.9	-1	0.356	0	4.114	1	10.066	1	1913	37	0.8
1612.5	10000	38.1116	95.5472	-649	PD	3.4	0	9.3	0	0.9	-1	0.368	0	4.341	1	10.184	1	1929	43	0.8
1612.6	10000	38.1116	95.5464	-649	PD	3.4	0	9.3	0	0.9	-1	0.359	0	4.404	1	10.978	1	1929	48	0.8
1612.7	10000	38.1116	95.5456	-649	PD	3.4	0	9.3	0	0.9	-1	0.341	0	4.600	1	10.836	1	1938	61	0.8
1612.8	10000	38.1116	95.5448	-649	PD	3.4	0	9.3	0	0.9	-1	0.332	0	4.202	1	10.694	1	1927	48	0.8
1612.9	10000	38.1116	95.5440	-649	PD	3.4	0	9.3	0	0.9	-1	0.363	0	4.660	1	10.730	1	1940	50	0.8
1613.0	10000	38.1116	95.5432	-649	PD	3.4	0	9.3	0	0.9	-1	0.354	0	4.516	1	10.578	1	1948	59	0.8
1613.1	10000	38.1116	95.5424	-650	PD	3.4	0	9.3	0	0.9	-1	0.346	0	4.550	1	10.773	1	1928	54	0.8
1613.2	10000	38.1116	95.5415	-650	PD	3.4	0	9.3	0	0.9	-1	0.354	0	4.364	1	9.498	1	1914	53	0.8
1613.3	10000	38.1116	95.5407	-650	PD	3.4	0	9.3	0	0.9	-1	0.346	0	4.386	1	9.786	1	1911	42	0.8
1613.4	10000	38.1116	95.5399	-651	PD	3.4	0	9.3	0	0.9	-1	0.354	0	4.485	1	9.858	1	1906	55	0.8
1613.5	10000	38.1116	95.5391	-651	PD	3.4	0	9.3	0	0.9	-1	0.323	0	4.098	1	9.601	1	1915	49	0.8
1613.6	10000	38.1116	95.5383	-651	PD	3.4	0	9.3	0	0.9	-1	0.317	0	4.011	1	9.819	1	1923	47	0.8
1613.7	10000	38.1116	95.5375	-652	PD	3.4	0	9.3	0	0.9	-1	0.319	0	4.093	1	9.689	1	1918	50	0.8
1613.8	10000	38.1116	95.5367	-652	PD	3.4	0	9.3	0	0.9	-1	0.289	0	3.999	1	9.367	1	1935	45	0.8
1613.9	10000	38.1116	95.5359	-652	PD	3.4	0	9.3	0	0.9	-1	0.272	0	3.904	1	9.685	1	1942	43	0.8
1614.0	10000	38.1116	95.5350	-652	PD	3.4	0	9.3	0	0.9	-1	0.276	0	3.780	1	9.086	1	1943	37	0.8
1614.1	10000	38.1116	95.5342	-652	PD	2.6	-1	9.4	0	1.0	-1	0.261	-1	2.396	0	9.179	1	1946	60	0.8

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1614.2	10000	38.1116	95.5334	-652	PD	2.7	-1	10.1	0	1.1	0	0.262	-1	2.471	-1	9.431	0	1939	47	0.9
1614.3	10000	38.1115	95.5326	-651	PD	2.7	-1	10.0	0	1.1	0	0.267	-1	2.491	-1	9.319	0	1924	50	0.9
1614.4	10000	38.1115	95.5318	-651	PD	2.7	-1	10.0	0	1.1	0	0.272	-1	2.537	-1	9.332	0	1921	61	0.9
1614.5	10000	38.1115	95.5310	-652	PD	2.7	-1	9.5	0	1.1	0	0.286	-1	2.548	-1	8.895	0	1902	49	0.9
1614.6	10000	38.1115	95.5302	-651	PD	3.0	0	9.0	-1	1.1	0	0.333	0	2.774	0	8.326	0	1895	48	0.9
1614.7	10000	38.1115	95.5294	-650	PD	3.1	0	9.0	-1	1.1	0	0.348	0	2.959	0	8.507	0	1896	50	0.9
1614.8	10000	38.1115	95.5286	-649	PD	3.3	0	9.0	-1	1.0	-1	0.360	0	3.337	1	9.270	0	1894	39	0.9
1614.9	10000	38.1115	95.5278	-648	PD	3.3	0	8.8	-1	1.0	-1	0.369	1	3.413	1	9.248	0	1897	55	0.9
1615.0	10000	38.1115	95.5269	-647	PD	3.4	0	8.7	-1	0.9	-1	0.387	1	3.594	1	9.280	0	1896	51	0.9
1615.1	10000	38.1115	95.5261	-645	PD	3.3	0	8.7	-1	0.9	-1	0.377	1	3.596	1	9.550	0	1900	41	0.9
1615.2	10000	38.1115	95.5253	-643	PD	3.4	0	9.1	0	0.9	-1	0.374	1	3.687	1	9.852	1	1919	70	0.9
1615.3	10000	38.1115	95.5245	-640	PD	3.5	1	9.3	0	0.9	-1	0.377	1	3.787	1	10.057	1	1935	42	0.9
1615.4	10000	38.1115	95.5237	-636	PD	3.2	0	9.2	0	0.9	-1	0.349	0	3.663	1	10.484	1	1932	46	0.9
1615.5	10000	38.1115	95.5229	-634	PD	3.5	1	9.2	0	0.9	-1	0.376	1	3.937	2	10.462	1	1933	45	0.9
1615.6	10000	38.1115	95.5221	-631	PD	3.7	1	9.2	0	0.9	-1	0.406	1	4.259	2	10.500	1	1940	48	0.9
1615.7	10000	38.1115	95.5213	-627	PD	3.8	1	9.5	0	0.9	-1	0.399	1	4.317	2	10.814	1	1947	60	0.9
1615.8	10000	38.1115	95.5205	-622	PD	3.8	1	9.6	0	0.9	-1	0.393	1	4.356	2	11.070	1	1934	63	0.9
1615.9	10000	38.1115	95.5197	-617	PD	3.5	1	9.4	0	0.9	-1	0.370	1	3.891	2	10.504	1	1920	41	0.9
1616.0	10000	38.1115	95.5188	-612	PD	3.1	0	9.7	0	0.9	-1	0.316	0	3.356	1	10.610	1	1903	51	0.9
1616.1	10000	38.1115	95.5180	-606	PD	3.0	0	9.8	0	0.9	-1	0.305	-1	3.277	1	10.738	1	1900	47	0.9
1616.2	10000	38.1115	95.5172	-599	PD	2.8	-1	10.0	0	0.9	-1	0.284	-1	3.035	0	10.694	1	1904	57	1.0
1616.3	10000	38.1115	95.5164	-592	PD	2.8	-1	9.9	0	0.9	-1	0.286	-1	3.125	0	10.926	1	1890	49	1.0
1616.4	10000	38.1115	95.5156	-584	PD	2.9	-1	9.4	0	0.9	-1	0.306	0	3.250	0	10.632	1	1890	38	1.0
1616.5	10000	38.1115	95.5148	-575	PD	3.0	0	9.5	0	0.9	-1	0.317	0	3.371	1	10.646	1	1900	35	1.0
1616.6	10000	38.1115	95.5140	-567	PD	3.1	0	9.5	0	0.9	-1	0.331	0	3.544	1	10.691	1	1907	48	1.0
1616.7	10000	38.1115	95.5132	-557	PD	3.5	1	9.4	0	0.9	-1	0.373	1	4.019	2	10.778	1	1906	48	1.0
1616.8	10000	38.1115	95.5123	-548	PD	3.6	1	9.3	0	0.9	-1	0.383	1	4.022	2	10.514	1	1911	47	1.0
1616.9	10000	38.1115	95.5115	-538	PD	3.5	1	9.3	0	0.9	-1	0.379	1	3.955	2	10.421	1	1905	50	1.0
1617.0	10000	38.1114	95.5107	-529	PD	3.4	0	9.3	0	0.9	-1	0.363	1	3.899	2	10.732	1	1909	55	1.0
1617.1	10000	38.1115	95.5099	-519	PD	3.3	0	9.3	0	0.9	-1	0.343	1	3.877	2	11.306	1	1908	55	1.0
1617.2	10000	38.1114	95.5091	-509	PD	3.2	0	9.4	0	0.9	-1	0.328	1	3.659	2	11.164	1	1903	47	1.0
1617.3	10000	38.1114	95.5083	-501	PD	3.2	0	9.3	0	0.9	-1	0.323	1	3.566	2	11.045	1	1892	50	1.0
1617.4	10000	38.1114	95.5075	-492	PD	3.2	0	9.3	0	0.9	-1	0.329	1	3.486	2	10.598	1	1886	39	1.0
1617.5	10000	38.1114	95.5067	-484	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.479	2	10.668	1	1871	37	1.0
1617.6	10000	38.1114	95.5059	-476	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	10.230	1	1854	55	1.0
1617.7	10000	38.1114	95.5051	-469	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	10.487	1	1850	45	1.0
1617.8	10000	38.1114	95.5042	-463	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	11.040	1	1836	52	1.0
1617.9	10000	38.1114	95.5034	-458	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	11.141	1	1833	46	1.0
1618.0	10000	38.1114	95.5026	-455	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	11.553	1	1834	46	1.0
1618.1	10000	38.1114	95.5018	-453	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	12.551	1	1832	49	1.0
1618.2	10000	38.1114	95.5010	-452	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	13.082	1	1819	60	1.0
1618.3	10000	38.1114	95.5002	-452	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	12.538	1	1820	46	1.0
1618.4	10000	38.1114	95.4994	-453	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	11.182	1	1820	57	1.0
1618.5	10000	38.1114	95.4986	-455	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	11.595	1	1829	38	1.0
1618.6	10000	38.1114	95.4977	-458	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	12.235	1	1826	47	1.0
1618.7	10000	38.1114	95.4969	-462	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	11.936	1	1834	41	1.0
1618.8	10000	38.1114	95.4961	-467	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	11.766	1	1846	48	1.0
1618.9	10000	38.1114	95.4953	-473	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	11.107	1	1885	53	1.0
1619.0	10000	38.1114	95.4945	-479	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	11.835	1	1906	51	1.0
1619.1	10000	38.1114	95.4937	-485	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	11.137	1	1924	38	1.0
1619.2	10000	38.1114	95.4929	-492	PD	3.2	0	9.3	0	0.9	-1	0.328	1	3.486	2	11.407	1	1942	47	1.0
1619.3	10000	38.1113	95.4921	-500	PD	3.2	0	9.3	0	0.9	-1	0.326	1	3.525	2	10.808	1	1961	45	1.0

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1619.4	10000	38.1113	95.4913	-507	PD	3.4	1	9.5	0	1.0	-1	0.360	0	3.536	1	9.822	1	1959	47	1.2
1619.5	10000	38.1113	95.4904	-514	PD	3.4	0	9.0	-1	1.0	-1	0.374	1	3.386	1	9.053	0	1958	45	1.2
1619.6	10000	38.1113	95.4896	-522	PD	3.1	0	9.3	0	1.0	0	0.327	0	2.992	0	9.155	0	1962	49	1.2
1619.7	10000	38.1113	95.4888	-529	PD	2.7	-1	9.5	0	1.0	0	0.288	-1	2.653	-1	9.207	0	1963	42	1.2
1619.8	10000	38.1113	95.4880	-536	PD	2.7	-1	9.7	0	1.0	0	0.281	-1	2.654	-1	9.459	0	1977	45	1.2
1619.9	10000	38.1113	95.4872	-543	PD	2.8	-1	9.8	0	1.0	0	0.282	-1	2.643	-1	9.365	0	1990	47	1.2
1620.0	10000	38.1113	95.4864	-550	PD	2.9	-1	9.1	0	1.1	0	0.319	0	2.779	0	8.707	0	1987	41	1.2
1620.1	10000	38.1113	95.4856	-556	PD	3.1	0	8.9	-1	1.1	0	0.354	0	2.986	0	8.427	0	1998	49	1.2
1620.2	10000	38.1113	95.4848	-562	PD	3.0	0	9.3	0	1.0	0	0.325	0	2.877	0	8.844	0	1990	40	1.3
1620.3	10000	38.1113	95.4840	-568	PD	3.1	0	9.0	-1	1.0	-1	0.341	0	3.081	0	9.032	0	1964	46	1.3
1620.4	10000	38.1113	95.4832	-574	PD	3.0	0	9.1	0	1.0	-1	0.326	0	3.016	0	9.259	0	1940	55	1.3
1620.5	10000	38.1113	95.4823	-579	PD	3.0	0	8.9	-1	1.0	-1	0.336	0	3.104	0	9.241	0	1918	46	1.3
1620.6	10000	38.1113	95.4815	-584	PD	3.0	0	9.3	0	0.9	-1	0.320	0	3.187	0	9.953	1	1902	70	1.3
1620.7	10000	38.1113	95.4807	-588	PD	2.7	-1	9.4	0	1.0	-1	0.283	-1	2.781	0	9.819	1	1910	52	1.3
1620.8	10000	38.1113	95.4799	-592	PD	2.7	-1	9.7	0	0.9	-1	0.277	-1	2.871	0	10.359	1	1930	47	1.3
1620.9	10000	38.1113	95.4791	-596	PD	2.8	-1	9.7	0	0.9	-1	0.292	-1	3.011	0	10.304	1	1955	51	1.3
1621.0	10000	38.1113	95.4783	-600	PD	2.9	-1	9.8	0	1.0	-1	0.295	-1	3.021	0	10.233	1	1980	40	1.3
1621.1	10000	38.1113	95.4775	-603	PD	2.8	-1	10.0	0	1.0	-1	0.285	-1	2.967	0	10.401	1	2007	48	1.3
1621.2	10000	38.1113	95.4767	-606	PD	2.8	-1	10.1	0	1.0	-1	0.272	-1	2.737	0	10.044	1	2022	58	1.3
1621.3	10000	38.1113	95.4758	-609	PD	2.6	-1	10.0	0	1.0	0	0.257	-1	2.493	-1	9.700	1	2042	49	1.3
1621.4	10000	38.1113	95.4750	-612	PD	2.8	-1	10.2	0	1.0	0	0.274	-1	2.716	0	9.906	1	2061	44	1.3
1621.5	10000	38.1113	95.4742	-614	PD	2.8	-1	10.1	0	1.0	0	0.275	-1	2.706	0	9.838	1	2054	43	1.4
1621.6	10000	38.1112	95.4734	-617	PD	2.7	-1	10.6	1	1.1	0	0.259	-1	2.560	-1	9.872	1	2049	40	1.4
1621.7	10000	38.1112	95.4726	-619	PD	2.6	-1	10.6	1	1.1	0	0.248	-2	2.463	-1	9.934	1	2041	45	1.4
1621.8	10000	38.1112	95.4718	-621	PD	2.8	-1	10.2	1	1.1	0	0.276	-1	2.635	-1	9.563	0	2034	51	1.4
1621.9	10000	38.1112	95.4710	-623	PD	2.7	-1	10.3	1	1.1	0	0.263	-1	2.579	-1	9.801	1	2027	48	1.4
1622.0	10000	38.1112	95.4702	-625	PD	2.9	-1	10.2	1	1.1	0	0.298	-1	2.984	-1	10.004	1	2011	42	1.4
1622.1	10000	38.1112	95.4694	-627	PD	2.8	-1	10.1	1	1.1	0	0.287	-1	2.923	-1	10.197	1	1975	51	1.4
1622.2	10000	38.1112	95.4686	-629	PD	2.5	-1	10.1	1	1.1	0	0.257	-1	2.626	-1	10.218	1	1952	58	1.4
1622.3	10000	38.1112	95.4677	-630	PD	2.5	-1	10.2	1	1.1	0	0.257	-1	2.586	-1	10.049	1	1937	59	1.4
1622.4	10000	38.1112	95.4669	-632	PD	2.5	-1	10.2	1	1.1	0	0.278	-1	2.564	-1	10.217	1	1946	32	1.4
1622.5	10000	38.1112	95.4661	-633	PD	2.5	-1	10.2	1	1.1	0	0.260	-1	2.271	-1	9.727	1	1942	44	1.4
1622.6	10000	38.1112	95.4653	-634	PD	2.5	-1	10.2	1	1.1	0	0.274	-1	2.425	-1	9.843	1	1928	45	1.4
1622.7	10000	38.1112	95.4645	-636	PD	2.5	-1	10.2	1	1.1	0	0.262	-1	2.327	-1	9.887	1	1922	45	1.4
1622.8	10000	38.1112	95.4637	-637	PD	2.5	-1	10.2	1	1.1	0	0.301	-1	2.610	-1	9.663	1	1929	52	1.4
1622.9	10000	38.1112	95.4629	-638	PD	2.5	-1	10.2	1	1.1	0	0.324	-1	2.664	-1	9.231	1	1938	55	1.4
1623.0	10000	38.1112	95.4621	-639	PD	2.5	-1	10.2	1	1.1	0	0.359	-1	2.934	-1	9.175	1	1968	41	1.4
1623.1	10000	38.1112	95.4613	-640	PD	2.5	-1	10.2	1	1.1	0	0.358	-1	3.049	-1	9.514	1	1953	37	1.4
1623.2	10000	38.1112	95.4604	-641	PD	2.5	-1	10.2	1	1.1	0	0.383	-1	3.201	-1	9.362	1	1966	42	1.4
1623.3	10000	38.1112	95.4596	-642	PD	2.5	-1	10.2	1	1.1	0	0.373	-1	3.998	-1	9.045	1	1976	47	1.4
1623.4	10000	38.1112	95.4588	-642	PD	2.5	-1	10.2	1	1.1	0	0.403	-1	3.102	-1	9.705	1	1987	41	1.4
1623.5	10000	38.1112	95.4580	-643	PD	2.5	-1	10.2	1	1.1	0	0.386	-1	3.025	-1	9.839	1	1999	40	1.4
1623.6	10000	38.1112	95.4572	-644	PD	2.5	-1	10.2	1	1.1	0	0.389	-1	3.090	-1	9.941	1	2010	42	1.4
1623.7	10000	38.1111	95.4564	-644	PD	2.5	-1	10.2	1	1.1	0	0.375	-1	3.091	-1	9.760	1	2007	43	1.4
1623.8	10000	38.1111	95.4556	-645	PD	2.5	-1	10.2	1	1.1	0	0.392	-1	3.281	-1	9.631	1	2032	52	1.4
1623.9	10000	38.1111	95.4548	-646	PD	2.5	-1	10.2	1	1.1	0	0.381	-1	3.136	-1	9.613	1	2050	46	1.4
1624.0	10000	38.1111	95.4539	-647	PD	2.5	-1	10.2	1	1.1	0	0.386	-1	3.145	-1	9.656	1	2076	55	1.4
1624.1	10000	38.1111	95.4531	-648	PD	2.5	-1	10.2	1	1.1	0	0.385	-1	3.136	-1	9.577	1	2098	50	1.4
1624.2	10000	38.1111	95.4523	-649	PD	2.5	-1	10.2	1	1.1	0	0.385	-1	3.136	-1	9.608	1	2115	47	1.4
1624.3	10000	38.1111	95.4515	-651	PD	2.5	-1	10.2	1	1.1	0	0.385	-1	3.136	-1	9.688	1	2136	48	1.4
1624.4	10000	38.1111	95.4507	-652	PD	2.5	-1	10.2	1	1.1	0	0.385	-1	3.136	-1	9.788	1	2149	40	1.4
1624.5	10000	38.1111	95.4499	-653	PD	2.5	-1	10.2	1	1.1	0	0.385	-1	3.136	-1	9.889	1	2153	38	1.4

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1624.6	10000	38.1111	95.4491	-655	PD	2.9	-1	10.4	1	1.2	1	0.283	-1	2.449	-1	8.663	0	2158	52	1.4
1624.7	10000	38.1111	95.4483	-657	PD	2.9	-1	10.2	1	1.2	0	0.287	-1	2.535	-1	8.837	0	2156	38	1.4
1624.8	10000	38.1111	95.4475	-658	PD	2.7	-1	10.7	1	1.2	0	0.253	-1	2.322	-1	9.163	0	2145	49	1.4
1624.9	10000	38.1111	95.4467	-660	PD	2.5	-1	10.8	1	1.2	1	0.231	-2	2.105	-1	9.100	0	2144	41	1.4
1625.0	10000	38.1111	95.4458	-661	PD	2.8	-1	10.9	1	1.1	0	0.259	-1	2.600	-1	10.056	1	2133	49	1.4
1625.1	10000	38.1111	95.4450	-663	PD	3.0	0	10.7	1	1.1	0	0.280	-1	2.758	0	9.854	1	2131	44	1.4
1625.2	10000	38.1111	95.4442	-664	PD	3.2	0	10.6	1	1.1	0	0.299	-1	2.923	0	9.778	1	2125	51	1.4
1625.3	10000	38.1111	95.4434	-665	PD	3.4	1	10.6	1	1.0	0	0.325	0	3.342	1	10.296	1	2118	50	1.4
1625.4	10000	38.1111	95.4426	-666	PD	3.4	1	10.7	1	1.1	0	0.320	0	3.252	0	10.148	1	2114	47	1.4
1625.5	10000	38.1112	95.4418	-667	PD	3.8	1	10.4	1	1.0	0	0.366	1	3.674	1	10.052	1	2126	42	1.4
1625.6	10000	38.1112	95.4410	-668	PD	3.7	1	9.9	0	1.0	0	0.377	1	3.657	1	9.701	1	2125	43	1.4
1625.7	10000	38.1112	95.4402	-670	PD	3.9	1	9.5	0	1.1	0	0.407	1	3.620	1	8.899	0	2126	40	1.4
1625.8	10000	38.1112	95.4394	-672	PD	3.5	1	9.7	0	1.1	0	0.355	0	3.126	0	8.809	0	2138	42	1.4
1625.9	10000	38.1112	95.4386	-672	PD	3.4	0	10.1	0	1.1	0	0.335	0	3.032	0	9.049	0	2137	47	1.4
1626.0	10000	38.1113	95.4378	-673	PD	3.3	0	10.0	0	1.1	0	0.326	0	2.920	0	8.964	0	2132	48	1.4
1626.1	10000	38.1113	95.4370	-675	PD	3.0	0	10.5	1	1.1	0	0.288	-1	2.745	0	9.531	0	2140	63	1.4
1626.2	10000	38.1113	95.4362	-675	PD	3.2	0	10.7	1	1.1	0	0.298	-1	2.909	0	9.762	1	2135	49	1.4
1626.3	10000	38.1113	95.4354	-676	PD	3.4	0	10.3	1	1.1	0	0.331	0	3.125	0	9.453	0	2130	43	1.4
1626.4	10000	38.1114	95.4346	-677	PD	3.3	0	10.5	1	1.1	0	0.319	0	2.953	0	9.264	0	2123	43	1.4
1626.5	10000	38.1114	95.4338	-678	PD	3.3	0	10.4	1	1.1	0	0.321	0	3.091	0	9.641	0	2099	49	1.4
1626.6	10000	38.1114	95.4330	-678	PD	3.2	0	10.4	1	1.1	0	0.310	0	2.943	0	9.481	0	2098	50	1.4
1626.7	10000	38.1114	95.4323	-679	PD	3.0	0	10.6	1	1.0	0	0.278	-1	2.835	0	10.214	1	2079	39	1.4
1626.8	10000	38.1115	95.4314	-679	PD	3.1	0	10.4	1	1.1	0	0.302	-1	2.984	0	9.882	1	2065	56	1.4
1626.9	10000	38.1115	95.4306	-680	PD	2.8	-1	9.9	0	1.1	0	0.282	-1	2.578	-1	9.151	0	2045	51	1.4
1627.0	10000	38.1115	95.4299	-681	PD	2.7	-1	10.3	1	1.0	0	0.259	-1	2.590	-1	9.996	1	2025	53	1.4
1627.1	10000	38.1115	95.4290	-681	PD	2.5	-1	10.5	1	1.0	-1	0.235	-2	2.441	-1	10.380	1	2006	51	1.3
1627.2	10000	38.1115	95.4283	-681	PD	2.4	-2	10.4	1	1.1	0	0.232	-2	2.259	-1	9.719	1	1997	52	1.3
1627.3	10000	38.1116	95.4275	-682	PD	2.4	-2	10.0	1	1.1	0	0.235	-2	2.170	-1	9.217	0	1984	57	1.3
1627.4	10000	38.1116	95.4267	-683	PD	2.4	-2	10.1	1	1.2	0	0.232	-2	2.088	-1	9.356	0	1988	47	1.3
1627.5	10000	38.1116	95.4259	-683	PD	2.4	-2	10.2	1	1.1	0	0.232	-2	2.006	-1	9.363	0	1994	48	1.3
1627.6	10000	38.1116	95.4251	-684	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.067	-1	9.856	0	2001	47	1.3
1627.7	10000	38.1117	95.4243	-684	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	9.816	0	2032	46	1.3
1627.8	10000	38.1117	95.4235	-685	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.169	-1	9.052	0	2056	50	1.3
1627.9	10000	38.1117	95.4227	-685	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	9.386	0	2080	48	1.3
1628.0	10000	38.1117	95.4219	-686	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	9.118	0	2105	36	1.3
1628.1	10000	38.1117	95.4211	-687	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	9.826	0	2121	39	1.3
1628.2	10000	38.1118	95.4203	-688	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	9.141	0	2119	44	1.3
1628.3	10000	38.1118	95.4195	-688	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	9.422	0	2129	55	1.3
1628.4	10000	38.1118	95.4187	-689	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	9.995	0	2111	48	1.3
1628.5	10000	38.1118	95.4179	-690	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	9.695	0	2117	44	1.3
1628.6	10000	38.1119	95.4171	-691	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	9.374	0	2139	52	1.3
1628.7	10000	38.1119	95.4163	-692	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	9.089	0	2142	54	1.3
1628.8	10000	38.1119	95.4155	-692	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	8.755	0	2149	53	1.3
1628.9	10000	38.1119	95.4147	-693	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	8.479	0	2166	57	1.3
1629.0	10000	38.1120	95.4139	-693	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	8.725	0	2166	55	1.3
1629.1	10000	38.1120	95.4131	-694	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	8.878	0	2188	57	1.3
1629.2	10000	38.1120	95.4123	-695	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	8.458	0	2170	55	1.3
1629.3	10000	38.1121	95.4115	-694	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	8.517	0	2161	47	1.3
1629.4	10000	38.1121	95.4107	-695	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	8.584	0	2159	40	1.3
1629.5	10000	38.1121	95.4099	-694	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	8.160	0	2158	58	1.3
1629.6	10000	38.1121	95.4091	-695	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	8.400	0	2158	44	1.3
1629.7	10000	38.1121	95.4083	-695	PD	2.4	-2	10.1	1	1.1	0	0.232	-2	2.183	-1	8.974	0	2158	55	1.3

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
1629.8	10000	38.1121	95.4075	-695	PD	2.7	-1	11.1	1	1.2	1	0.239	-2	2.214	-1	9.267	0	2144	56	1.2
1629.9	10000	38.1122	95.4067	-695	PD	2.9	-1	11.2	1	1.1	0	0.258	-1	2.522	-1	9.780	1	2138	49	1.2
1630.0	10000	38.1122	95.4059	-695	PD	2.9	-1	11.0	1	1.1	0	0.263	-1	2.668	0	10.157	1	2111	52	1.2
1630.1	10000	38.1122	95.4051	-695	PD	3.0	0	10.8	1	1.1	0	0.279	-1	2.817	0	10.078	1	2092	47	1.2
1630.2	10000	38.1122	95.4043	-696	PD	3.1	0	11.0	1	1.0	0	0.285	-1	3.097	0	10.885	1	2060	55	1.1
1630.3	10000	38.1123	95.4035	-696	PD	3.4	0	10.5	1	1.0	0	0.324	0	3.367	1	10.377	1	2045	42	1.1
1630.4	10000	38.1123	95.4027	-697	PD	3.6	1	10.3	1	1.0	-1	0.347	0	3.706	1	10.679	1	2026	56	1.1
1630.5	10000	38.1123	95.4019	-698	PD	3.6	1	10.5	1	0.9	-1	0.345	0	3.830	1	11.088	1	2012	48	1.1
1630.6	10000	38.1123	95.4011	-699	PD	3.5	1	10.3	1	1.0	-1	0.338	0	3.646	1	10.780	1	2001	51	1.1
1630.7	10000	38.1123	95.4003	-699	PD	3.4	0	10.5	1	1.0	-1	0.322	0	3.484	1	10.824	1	2003	42	1.1
1630.8	10000	38.1124	95.3995	-701	PD	3.3	0	10.7	1	1.0	-1	0.306	0	3.375	1	11.034	1	2000	53	1.1
1630.9	10000	38.1124	95.3987	-701	PD	3.3	0	10.5	1	1.0	-1	0.314	0	3.421	1	10.889	1	1984	52	1.1
1631.0	10000	38.1124	95.3979	-702	PD	3.1	0	10.3	1	0.9	-1	0.300	-1	3.282	1	10.954	1	1971	57	1.1
1631.1	10000	38.1124	95.3971	-704	PD	3.0	0	10.4	1	0.9	-1	0.287	-1	3.180	1	11.085	1	1964	59	1.1
1631.2	10000	38.1125	95.3963	-705	PD	2.9	-1	9.9	0	1.0	-1	0.296	-1	3.038	0	10.262	1	1958	56	1.1
1631.3	10000	38.1125	95.3955	-705	PD	3.0	-1	9.9	0	0.9	-1	0.299	-1	3.208	0	10.722	1	1950	45	1.1
1631.4	10000	38.1125	95.3947	-706	PD	2.8	-1	9.9	0	0.9	-1	0.287	-1	3.088	0	10.746	1	1933	40	1.1
1631.5	10000	38.1125	95.3939	-708	PD	3.0	0	9.6	0	0.9	-1	0.309	0	3.268	1	10.573	1	1919	46	1.1
1631.6	10000	38.1125	95.3931	-708	PD	2.9	-1	9.6	0	0.9	-1	0.301	-1	3.259	0	10.819	1	1915	41	1.1
1631.7	10000	38.1126	95.3923	-709	PD	2.8	-1	9.7	0	0.9	-1	0.292	-1	3.157	0	10.792	1	1899	50	1.1
1631.8	10000	38.1126	95.3915	-711	PD	2.7	-1	9.5	0	0.9	-1	0.279	-1	2.916	0	10.469	1	1879	39	1.1
1631.9	10000	38.1126	95.3907	-711	PD	2.6	-1	9.5	0	0.9	-1	0.274	-1	2.877	0	10.511	1	1859	58	1.1
1632.0	10000	38.1126	95.3899	-712	PD	2.6	-1	9.7	0	0.9	-1	0.267	-1	2.876	0	10.785	1	1850	55	1.1
1632.1	10000	38.1127	95.3891	-713	PD	2.7	-1	9.2	0	0.9	-1	0.293	-1	2.918	0	9.947	1	1860	42	1.1
1632.2	10000	38.1127	95.3883	-714	PD	2.9	-1	9.2	0	0.9	-1	0.310	0	3.075	0	9.917	1	1863	49	1.1
1632.3	10000	38.1127	95.3875	-715	PD	2.9	-1	9.3	0	0.9	-1	0.316	0	2.988	0	9.469	0	1872	55	1.1
1632.4	10000	38.1127	95.3867	-716	PD	2.9	-1	9.3	0	0.9	-1	0.312	0	3.063	0	9.825	1	1873	46	1.1
1632.5	10000	38.1128	95.3859	-717	PD	2.9	-1	9.2	0	0.9	-1	0.320	0	2.957	0	9.234	1	1901	41	1.1
1632.6	10000	38.1128	95.3851	-718	PD	2.9	-1	9.3	0	0.9	-1	0.320	0	2.967	0	9.269	1	1924	58	1.1
1632.7	10000	38.1128	95.3843	-719	PD	2.9	-1	9.2	0	0.9	-1	0.306	0	2.769	0	9.039	1	1935	51	1.1
1632.8	10000	38.1128	95.3835	-719	PD	2.9	-1	9.5	0	0.9	-1	0.307	0	2.990	0	9.738	1	1911	46	1.1
1632.9	10000	38.1128	95.3828	-720	PD	2.9	-1	9.4	0	0.9	-1	0.277	0	2.765	0	9.977	1	1897	41	1.1
1633.0	10000	38.1129	95.3819	-721	PD	2.9	-1	9.5	0	0.9	-1	0.268	0	2.697	0	10.058	1	1894	47	1.1
1633.1	10000	38.1129	95.3811	-722	PD	2.9	-1	9.5	0	0.9	-1	0.260	0	2.524	0	10.725	1	1905	55	1.2
1633.2	10000	38.1129	95.3804	-723	PD	2.9	-1	9.6	0	0.9	-1	0.249	0	2.597	0	10.423	1	1888	45	1.2
1633.3	10000	38.1129	95.3795	-723	PD	2.8	-1	9.4	0	0.9	-1	0.246	0	2.619	0	10.662	1	1864	49	1.2
1633.4	10000	38.1130	95.3788	-724	PD	2.8	-1	9.6	0	0.9	-1	0.221	0	2.363	0	10.670	1	1850	45	1.2
1633.5	10000	38.1130	95.3780	-724	PD	2.8	-1	9.6	0	0.9	-1	0.197	0	2.040	0	10.359	1	1858	43	1.2
1633.6	10000	38.1130	95.3772	-725	PD	2.8	-1	9.9	0	0.9	-1	0.184	0	1.909	0	10.365	1	1872	46	1.2
1633.7	10000	38.1130	95.3764	-726	PD	2.8	-1	9.9	0	0.9	-1	0.162	0	1.689	0	10.427	1	1878	53	1.2
1633.8	10000	38.1130	95.3756	-726	PD	2.8	-1	9.9	0	0.9	-1	0.185	0	1.992	0	10.748	1	1892	48	1.2
1633.9	10000	38.1131	95.3748	-727	PD	2.8	-1	9.9	0	0.9	-1	0.183	0	1.929	0	10.558	1	1914	52	1.2
1634.0	10000	38.1131	95.3740	-727	PD	2.8	-1	9.9	0	0.9	-1	0.176	0	1.803	0	10.267	1	1943	51	1.2
1634.1	10000	38.1131	95.3732	-728	PD	2.8	-1	9.9	0	0.9	-1	0.192	0	1.918	0	10.986	1	1959	46	1.2
1634.2	10000	38.1131	95.3724	-729	PD	2.8	-1	9.9	0	0.9	-1	0.185	0	1.913	0	10.324	1	1973	42	1.2
1634.3	10000	38.1132	95.3716	-730	PD	2.8	-1	9.9	0	0.9	-1	0.203	0	1.998	0	11.004	1	1993	46	1.2
1634.4	10000	38.1132	95.3708	-730	PD	2.8	-1	9.9	0	0.9	-1	0.187	0	2.059	0	10.129	1	2016	43	1.2
1634.5	10000	38.1132	95.3700	-730	PD	2.8	-1	9.9	0	0.9	-1	0.213	0	2.777	0	10.517	1	2027	39	1.2
1634.6	10000	38.1133	95.3692	-731	PD	2.8	-1	9.9	0	0.9	-1	0.225	0	2.901	0	10.904	1	2043	51	1.2
1634.7	10000	38.1133	95.3684	-731	PD	2.8	-1	9.9	0	0.9	-1	0.257	0	3.296	0	10.887	1	2051	64	1.2
1634.8	10000	38.1133	95.3676	-731	PD	2.8	-1	9.9	0	0.9	-1	0.300	0	3.414	0	10.694	1	2064	68	1.2
1634.9	10000	38.1133	95.3668	-732	PD	2.8	-1	9.5	0	0.9	-1	0.288	0	3.628	0	10.759	1	2068	69	1.2

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1635.0	10000	38.1133	95.3660	-732	PD	2.7	-1	9.2	0	1.1	0	0.291	-1	2.467	-1	8.477	0	2073	46	1.3
1635.1	10000	38.1133	95.3652	-731	PD	2.9	0	9.2	0	1.1	0	0.319	0	2.670	0	8.380	0	2057	46	1.3
1635.2	10000	38.1134	95.3644	-731	PD	3.4	0	9.2	0	1.1	0	0.370	1	3.139	0	8.478	0	2037	53	1.3
1635.3	10000	38.1134	95.3636	-731	PLP	3.6	1	9.1	0	1.1	0	0.392	1	3.331	1	8.502	0	2021	50	1.4
1635.4	10000	38.1134	95.3628	-731	PLP	3.3	0	9.3	0	1.1	0	0.349	0	2.952	0	8.451	0	2012	43	1.4
1635.5	10000	38.1134	95.3620	-731	PLP	3.1	0	9.5	0	1.0	-1	0.329	0	2.971	0	9.035	0	2004	36	1.4
1635.6	10000	38.1135	95.3612	-730	PLP	3.2	0	9.4	0	1.1	0	0.336	0	2.935	0	8.733	0	2010	41	1.4
1635.7	10000	38.1135	95.3604	-730	PLP	3.3	0	9.4	0	1.1	-1	0.346	0	3.057	0	8.842	0	2007	37	1.4
1635.8	10000	38.1135	95.3596	-730	PLP	3.3	0	9.4	0	1.1	-1	0.346	0	3.070	0	8.872	0	2017	44	1.4
1635.9	10000	38.1135	95.3588	-729	PLP	2.9	-1	9.5	0	1.1	-1	0.305	-1	2.718	0	8.919	0	2030	44	1.4
1636.0	10000	38.1135	95.3580	-729	PLP	2.8	-1	9.8	0	1.1	0	0.285	-1	2.557	0	8.970	0	2031	48	1.5
1636.1	10000	38.1136	95.3572	-728	PLP	2.9	-1	9.7	0	1.0	-1	0.294	-1	2.804	0	9.551	1	2022	39	1.5
1636.2	10000	38.1136	95.3564	-728	PLP	3.1	0	9.3	0	1.0	-1	0.329	0	3.012	0	9.161	1	2020	37	1.5
1636.3	10000	38.1136	95.3556	-728	PLP	3.0	0	9.3	0	1.0	-1	0.322	0	2.973	0	9.235	1	2026	55	1.5
1636.4	10000	38.1136	95.3548	-727	PLP	3.3	0	9.7	0	1.0	-1	0.346	0	3.279	1	9.472	1	2045	42	1.5
1636.5	10000	38.1137	95.3540	-726	PLP	3.3	0	9.4	0	1.0	-1	0.346	0	3.275	1	9.463	1	2046	46	1.5
1636.6	10000	38.1137	95.3532	-725	PLP	3.3	0	9.7	0	1.0	-1	0.343	0	3.282	1	9.560	1	2066	45	1.5
1636.7	10000	38.1137	95.3524	-724	PLP	3.3	0	9.9	0	0.9	-1	0.329	0	3.460	1	10.505	2	2082	36	1.5
1636.8	10000	38.1137	95.3516	-725	PLP	3.2	0	10.1	0	1.0	-1	0.313	0	3.155	0	10.076	1	2104	42	1.6
1636.9	10000	38.1137	95.3508	-727	PLP	2.8	-1	10.5	1	1.0	-1	0.269	-1	2.777	0	10.335	1	2118	48	1.6
1637.0	10000	38.1138	95.3500	-727	PLP	2.8	-1	10.6	1	1.0	-1	0.263	-1	2.784	0	10.585	2	2114	50	1.6
1637.1	10000	38.1138	95.3492	-726	PD	2.6	-1	10.4	1	1.0	-1	0.247	-2	2.561	-1	10.364	1	2101	51	1.6
1637.2	10000	38.1138	95.3484	-726	PD	2.3	-2	10.6	1	1.0	0	0.222	-2	2.233	-1	10.080	1	2080	43	1.6
1637.3	10000	38.1138	95.3476	-725	PD	2.1	-2	10.7	1	1.0	-1	0.195	-3	2.065	-1	10.604	1	2050	49	1.6
1637.4	10000	38.1139	95.3468	-725	PD	1.8	-3	10.5	1	1.1	0	0.170	-3	1.678	-2	9.884	1	2023	44	1.6
1637.5	10000	38.1139	95.3460	-724	PD	1.9	-3	10.3	1	1.1	0	0.181	-3	1.771	-2	9.771	1	2012	48	1.6
1637.6	10000	38.1139	95.3452	-722	PD	2.0	-3	10.2	1	1.1	0	0.194	-3	1.876	-2	9.678	1	2017	44	1.7
1637.7	10000	38.1139	95.3444	-722	PD	1.9	-3	10.2	1	1.1	0	0.190	-3	1.831	-2	9.648	0	2006	47	1.7
1637.8	10000	38.1139	95.3436	-721	PD	1.8	-3	10.0	0	1.0	0	0.184	-3	1.761	-2	9.592	0	2003	44	1.7
1637.9	10000	38.1140	95.3428	-721	PD	2.1	-2	10.1	1	1.1	0	0.211	-2	2.078	-1	9.846	1	2020	42	1.7
1638.0	10000	38.1140	95.3420	-720	PD	2.5	-1	10.1	1	1.1	0	0.250	-2	2.311	-1	9.242	1	2048	49	1.7
1638.1	10000	38.1140	95.3412	-720	PD	2.7	-1	9.9	1	1.1	0	0.274	-1	2.629	-1	9.594	1	2058	53	1.7
1638.2	10000	38.1140	95.3404	-719	PD	3.0	0	10.0	1	1.1	0	0.299	-1	2.892	0	9.657	1	2064	45	1.7
1638.3	10000	38.1141	95.3396	-718	PD	2.9	0	9.8	0	1.1	0	0.301	-1	2.825	0	9.386	1	2067	44	1.7
1638.4	10000	38.1141	95.3388	-718	PD	2.9	0	9.5	0	1.1	0	0.303	-1	2.741	0	9.058	1	2078	50	1.8
1638.5	10000	38.1141	95.3380	-719	PD	2.9	0	9.5	0	1.1	0	0.309	-1	2.923	0	9.447	1	2062	41	1.8
1638.6	10000	38.1141	95.3372	-718	PD	2.8	0	9.3	0	1.1	0	0.300	-1	2.850	0	9.495	1	2062	62	1.8
1638.7	10000	38.1141	95.3364	-718	PD	2.8	0	9.4	0	1.1	0	0.250	-1	2.448	0	9.789	1	2038	58	1.8
1638.8	10000	38.1142	95.3356	-719	PD	2.2	-2	9.9	0	1.1	0	0.224	-2	2.286	0	10.200	2	2030	43	1.8
1638.9	10000	38.1142	95.3348	-719	PD	2.0	-2	9.8	0	1.1	0	0.200	-2	2.013	0	10.051	2	2024	51	1.8
1639.0	10000	38.1142	95.3340	-718	PD	2.2	-2	9.8	0	1.1	0	0.229	-2	2.383	0	10.387	2	2001	33	1.8
1639.1	10000	38.1142	95.3332	-719	PD	2.3	-2	9.8	0	1.1	0	0.234	-2	2.547	0	10.901	2	1983	45	1.8
1639.2	10000	38.1142	95.3324	-718	PD	2.1	-2	10.0	1	1.1	0	0.219	-2	2.514	0	11.488	2	1991	43	1.8
1639.3	10000	38.1142	95.3316	-718	PD	2.2	-2	10.0	1	1.1	0	0.225	-2	2.517	0	11.200	2	1985	49	1.8
1639.4	10000	38.1142	95.3308	-718	PD	2.2	-2	10.0	1	1.1	0	0.247	-2	2.915	0	11.785	2	1994	55	1.8
1639.5	10000	38.1142	95.3300	-717	PD	2.2	-2	10.0	1	1.1	0	0.272	-2	2.947	0	11.821	2	2012	56	1.8
1639.6	10000	38.1142	95.3292	-716	PD	2.2	-2	10.1	1	1.1	0	0.271	-2	2.794	0	11.317	2	2023	33	1.8
1639.7	10000	38.1142	95.3284	-715	PD	2.2	-2	10.0	1	1.1	0	0.241	-2	2.326	0	11.650	2	2033	54	1.8
1639.8	10000	38.1143	95.3276	-714	PD	2.2	-2	10.0	1	1.1	0	0.225	-2	2.006	0	11.930	2	2052	48	1.8
1639.9	10000	38.1143	95.3268	-713	PD	2.2	-2	10.0	1	1.1	0	0.206	-2	1.797	-2	11.723	2	2060	33	1.8
1640.0	10000	38.1143	95.3260	-712	PD	2.2	-2	10.0	1	1.1	0	0.225	-2	1.986	-2	11.966	2	2077	47	1.8
1640.1	10000	38.1143	95.3252	-711	PD	2.2	-2	10.2	1	1.2	0	0.215	-2	1.888	-2	11.766	2	2072	49	1.9

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1640.2	10000	38.1143	95.3244	-709	PD	2.2	-2	10.1	0	1.1	0	0.219	-2	1.967	-2	8.973	0	2071	42	1.9
1640.3	10000	38.1143	95.3236	-708	PD	2.4	-2	10.1	0	1.1	0	0.236	-2	2.239	-1	9.492	0	2069	47	1.9
1640.4	10000	38.1143	95.3228	-709	PD	2.8	-1	10.4	1	1.0	0	0.264	-1	2.713	0	10.271	1	2081	47	1.9
1640.5	10000	38.1143	95.3220	-713	PD	3.1	0	10.5	1	1.0	-1	0.295	-1	3.246	0	11.002	1	2077	57	1.9
1640.6	10000	38.1143	95.3212	-715	PD	3.3	0	10.2	1	1.0	-1	0.325	0	3.339	1	10.277	1	2076	42	1.9
1640.7	10000	38.1143	95.3204	-715	PD	3.2	0	9.7	0	0.9	-1	0.330	0	3.387	1	10.254	1	2070	40	1.9
1640.8	10000	38.1143	95.3196	-714	PD	3.4	0	10.0	0	1.0	-1	0.339	0	3.449	1	10.187	1	2079	58	1.9
1640.9	10000	38.1143	95.3188	-714	PD	3.6	1	10.0	0	0.9	-1	0.359	0	3.817	1	10.640	1	2061	54	1.9
1641.0	10000	38.1143	95.3180	-713	PD	3.5	1	10.2	0	0.9	-1	0.340	0	3.748	1	11.034	1	2040	52	1.9
1641.1	10000	38.1143	95.3172	-713	PLP	3.2	0	9.6	0	0.9	-1	0.331	0	3.430	1	10.364	1	2015	36	1.9
1641.2	10000	38.1143	95.3164	-712	PLP	3.0	0	9.7	0	0.9	-1	0.310	0	3.310	1	10.660	2	1994	34	1.9
1641.3	10000	38.1143	95.3156	-711	PLP	3.1	0	9.6	0	0.9	-2	0.320	0	3.554	1	11.116	2	1973	44	1.9
1641.4	10000	38.1143	95.3148	-712	PLP	3.0	0	9.7	0	0.9	-1	0.310	0	3.329	1	10.729	2	1956	50	1.9
1641.5	10000	38.1143	95.3140	-711	PLP	2.9	-1	9.4	-1	0.8	-2	0.306	-1	3.525	1	11.514	2	1928	41	1.9
1641.6	10000	38.1143	95.3132	-710	PLP	2.8	-1	9.3	0	0.8	-2	0.299	-1	3.368	1	11.249	2	1924	55	1.8
1641.7	10000	38.1143	95.3124	-710	PLP	2.9	-1	9.1	-1	0.8	-2	0.321	0	3.555	1	11.075	2	1924	44	1.8
1641.8	10000	38.1143	95.3116	-710	PLP	2.9	-1	9.2	0	0.8	-2	0.313	0	3.608	1	11.531	2	1916	53	1.8
1641.9	10000	38.1143	95.3108	-709	PLP	2.9	-1	9.0	-1	0.8	-2	0.325	0	3.560	1	10.944	2	1932	41	1.8
1642.0	10000	38.1143	95.3100	-708	PLP	2.9	-1	8.7	-1	0.8	-2	0.328	0	3.415	1	10.427	1	1939	44	1.8
1642.1	10000	38.1143	95.3092	-706	PLP	2.8	-1	8.8	-1	0.8	-2	0.314	0	3.583	1	11.408	2	1928	49	1.8
1642.2	10000	38.1143	95.3084	-703	PLP	2.9	-1	8.6	-1	0.8	-2	0.331	0	3.376	1	10.188	1	1942	54	1.8
1642.3	10000	38.1143	95.3076	-696	PLP	2.9	-1	8.4	-1	0.8	-2	0.340	0	3.502	1	10.302	1	1942	41	1.8
1642.4	10000	38.1143	95.3068	-688	PLP	2.6	-1	8.4	-1	0.8	-2	0.313	0	3.190	1	10.207	1	1946	49	1.8
1642.5	10000	38.1143	95.3060	-683	PLP	2.7	-1	8.5	-1	0.8	-2	0.300	-1	3.210	1	10.712	2	1971	47	1.8
1642.6	10000	38.1143	95.3052	-686	PLP	2.7	-1	9.2	0	0.8	-2	0.294	-1	3.204	1	10.899	2	1974	48	1.8
1642.7	10000	38.1143	95.3044	-690	PLP	2.7	-1	9.6	0	0.8	-2	0.283	-1	3.308	1	11.701	2	1992	54	1.8
1642.8	10000	38.1143	95.3036	-693	PLP	2.9	-1	9.6	0	0.9	-2	0.308	-1	3.433	1	11.158	2	2007	53	1.8
1642.9	10000	38.1143	95.3028	-697	PLP	2.8	-1	9.7	0	0.8	-2	0.292	-1	3.474	1	11.903	3	2019	44	1.8
1643.0	10000	38.1143	95.3020	-701	PLP	2.8	-1	10.3	1	0.9	-1	0.275	-1	3.148	0	11.463	2	2052	37	1.8
1643.1	10000	38.1144	95.3012	-701	PLP	3.0	-1	10.5	1	0.9	-1	0.282	-1	3.154	0	11.189	2	2084	47	1.7
1643.2	10000	38.1144	95.3004	-700	PLP	3.1	-1	10.9	1	0.9	-1	0.285	-1	3.286	0	11.829	2	2108	37	1.7
1643.3	10000	38.1144	95.2996	-700	PLP	3.3	-1	10.9	1	0.9	-1	0.303	-1	3.545	0	12.695	2	2113	39	1.7
1643.4	10000	38.1144	95.2988	-700	PLP	3.2	-1	9.7	0	0.9	-1	0.331	-1	3.404	0	10.162	2	2101	58	1.7
1643.5	10000	38.1144	95.2980	-697	PLP	3.2	-1	9.8	0	0.9	-1	0.335	-1	3.045	0	10.371	1	2110	54	1.7
1643.6	10000	38.1144	95.2972	-691	PLP	3.0	-1	9.5	0	0.9	-1	0.315	-1	3.073	0	10.754	1	2114	45	1.7
1643.7	10000	38.1144	95.2964	-688	PLP	3.0	-1	9.2	0	0.9	-1	0.324	-1	3.028	0	9.343	1	2117	44	1.7
1643.8	10000	38.1144	95.2956	-690	PLP	3.0	-1	9.2	1	0.9	-1	0.331	-1	3.160	0	9.544	1	2105	41	1.7
1643.9	10000	38.1144	95.2948	-692	PLP	3.0	-1	9.1	1	0.9	-1	0.340	-1	3.148	0	9.268	1	2092	41	1.7
1644.0	10000	38.1144	95.2940	-694	PLP	3.0	-1	9.6	0	0.9	-1	0.313	-1	3.641	0	10.245	1	2095	43	1.7
1644.1	10000	38.1144	95.2932	-694	PLP	3.0	-1	9.4	0	0.9	-1	0.319	-1	3.585	0	9.818	1	2100	41	1.7
1644.2	10000	38.1144	95.2924	-694	PLP	3.0	-1	9.7	0	0.9	-1	0.309	-1	3.688	0	10.163	1	2109	46	1.6
1644.3	10000	38.1144	95.2916	-693	PLP	3.0	-1	9.8	0	0.9	-1	0.306	-1	3.705	0	10.242	1	2100	37	1.6
1644.4	10000	38.1144	95.2908	-692	PLP	3.0	-1	9.7	0	0.9	-1	0.309	-1	3.725	0	10.163	1	2079	36	1.6
1644.5	10000	38.1144	95.2900	-690	PLP	3.0	-1	9.7	0	0.9	-1	0.309	-1	3.725	0	10.163	1	2087	50	1.6
1644.6	10000	38.1144	95.2892	-689	PLP	3.0	-1	9.7	0	0.9	-1	0.309	-1	3.725	0	10.163	1	2096	47	1.6
1644.7	10000	38.1144	95.2884	-688	PLP	3.0	-1	9.7	0	0.9	-1	0.309	-1	3.725	0	10.163	1	2105	58	1.6
1644.8	10000	38.1144	95.2876	-686	PLP	3.0	-1	9.7	0	0.9	-1	0.309	-1	3.725	0	10.163	1	2134	54	1.6
1644.9	10000	38.1144	95.2868	-685	PLP	3.0	-1	9.7	0	0.9	-1	0.309	-1	3.725	0	10.163	1	2140	45	1.6
1645.0	10000	38.1144	95.2860	-684	PLP	3.0	-1	9.7	0	0.9	-1	0.309	-1	3.725	0	10.163	1	2154	44	1.6
1645.1	10000	38.1144	95.2852	-683	PLP	3.0	-1	9.7	0	0.9	-1	0.309	-1	3.725	0	10.163	1	2167	41	1.6
1645.2	10000	38.1144	95.2844	-683	PLP	3.0	-1	9.7	0	0.9	-1	0.309	-1	3.725	0	10.163	1	2150	42	1.5
1645.3	10000	38.1144	95.2836	-682	PLP	3.0	-1	9.7	0	0.9	-1	0.309	-1	3.725	0	10.163	1	2123	42	1.5

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1645.4	10000	38.1144	95.2828	-682	PLP	3.2	0	10.0	0	1.1	-1	0.323	0	3.041	0	9.410	1	2097	59	1.5
1645.5	10000	38.1144	95.2820	-681	PLP	3.1	0	9.9	0	1.0	-1	0.314	0	3.029	0	9.648	1	2046	64	1.5
1645.6	10000	38.1144	95.2812	-681	PLP	3.2	0	9.6	0	1.0	-1	0.334	0	3.231	1	9.684	1	2015	53	1.5
1645.7	10000	38.1144	95.2804	-681	PLP	3.1	0	9.4	0	1.0	-1	0.332	0	3.189	1	9.598	1	1998	45	1.5
1645.8	10000	38.1144	95.2796	-680	PLP	3.3	0	9.1	0	1.0	-1	0.357	0	3.411	1	9.545	1	1980	44	1.5
1645.9	10000	38.1144	95.2788	-680	PLP	3.0	0	9.5	0	1.0	-1	0.321	0	3.210	1	9.987	1	1961	63	1.4
1646.0	10000	38.1145	95.2780	-681	PLP	2.8	-1	9.3	0	1.0	-1	0.306	-1	2.903	1	9.486	1	1964	43	1.4
1646.1	10000	38.1145	95.2772	-681	PLP	2.8	-1	9.7	0	1.0	-1	0.286	-1	2.870	0	10.028	1	1972	41	1.4
1646.2	10000	38.1145	95.2764	-681	PLP	2.8	-1	10.0	0	1.0	-1	0.279	-1	2.927	0	10.482	2	1979	48	1.4
1646.3	10000	38.1145	95.2756	-681	PLP	2.7	-1	11.0	1	1.0	-1	0.246	-2	2.706	0	10.984	2	2012	49	1.4
1646.4	10000	38.1145	95.2748	-681	PLP	2.7	-1	11.2	2	1.1	-1	0.245	-2	2.601	0	10.620	2	2033	50	1.4
1646.5	10000	38.1145	95.2740	-680	PLP	2.8	-1	11.4	2	1.1	0	0.243	-2	2.542	0	10.453	2	2065	49	1.4
1646.6	10000	38.1145	95.2732	-680	PLP	2.7	-1	11.0	1	1.1	0	0.243	-2	2.464	-1	10.136	1	2090	34	1.4
1646.7	10000	38.1145	95.2724	-680	PLP	3.0	-1	10.9	1	1.1	0	0.277	-1	2.653	0	9.587	1	2098	57	1.4
1646.8	10000	38.1145	95.2716	-682	PLP	2.9	-1	10.5	1	1.2	0	0.281	-1	2.525	-1	8.984	0	2123	50	1.4
1646.9	10000	38.1145	95.2708	-684	PLP	2.9	-1	10.3	1	1.2	0	0.282	-1	2.366	-1	8.390	0	2139	44	1.3
1647.0	10000	38.1145	95.2700	-686	PLP	3.1	-1	9.7	1	1.2	0	0.326	0	2.609	0	8.000	0	2123	42	1.3
1647.1	10000	38.1145	95.2691	-688	PLP	2.8	-1	9.4	1	1.1	0	0.295	-1	2.429	-1	8.226	0	2090	51	1.3
1647.2	10000	38.1145	95.2684	-689	PLP	2.7	-1	9.2	1	1.1	0	0.279	-1	2.308	-1	8.271	0	2054	40	1.3
1647.3	10000	38.1145	95.2675	-690	PLP	2.7	-1	9.3	1	1.1	0	0.292	-1	2.444	-1	8.378	0	2020	50	1.3
1647.4	10000	38.1145	95.2668	-692	PLP	2.9	-1	9.5	1	1.0	-1	0.278	-1	2.567	0	9.244	1	1986	49	1.3
1647.5	10000	38.1145	95.2660	-693	PLP	2.9	-1	9.8	1	1.0	-1	0.272	-1	2.731	0	10.048	1	1948	55	1.3
1647.6	10000	38.1145	95.2652	-694	PLP	3.3	-1	10.0	1	0.9	-1	0.259	-1	2.722	0	10.519	2	1944	56	1.3
1647.7	10000	38.1145	95.2644	-695	PLP	3.5	-1	10.0	1	0.9	-1	0.226	-2	2.458	-1	10.900	2	1926	58	1.3
1647.8	10000	38.1145	95.2635	-696	PLP	3.6	-1	10.0	1	0.9	-1	0.260	-1	2.867	0	11.013	2	1910	43	1.3
1647.9	10000	38.1145	95.2628	-697	PLP	3.8	-1	10.0	1	0.9	-1	0.277	-1	3.069	0	11.100	2	1902	53	1.3
1648.0	10000	38.1145	95.2619	-698	PLP	3.8	-1	9.5	1	0.9	-1	0.296	-1	3.114	0	10.511	2	1894	50	1.2
1648.1	10000	38.1145	95.2611	-699	PLP	3.8	-1	9.4	1	1.0	-1	0.292	-1	2.852	0	9.757	1	1909	49	1.2
1648.2	10000	38.1145	95.2603	-700	PLP	3.8	-1	8.9	1	1.0	-1	0.311	0	2.834	0	9.108	0	1900	39	1.2
1648.3	10000	38.1145	95.2596	-700	PLP	3.8	-1	8.5	1	0.9	-1	0.373	1	3.413	1	9.144	1	1881	50	1.2
1648.4	10000	38.1145	95.2587	-701	PLP	3.8	-1	8.8	1	1.0	-1	0.372	1	3.135	1	8.426	1	1887	51	1.2
1648.5	10000	38.1145	95.2579	-701	PLP	3.8	-1	8.8	1	1.0	-1	0.332	0	2.706	0	8.160	1	1905	53	1.2
1648.6	10000	38.1145	95.2571	-702	PLP	3.8	-1	8.8	1	1.0	-1	0.309	0	2.517	0	8.134	1	1930	53	1.2
1648.7	10000	38.1145	95.2563	-703	PLP	3.8	-1	8.8	1	1.0	-1	0.303	0	2.594	0	8.556	1	1958	62	1.2
1648.8	10000	38.1145	95.2555	-704	PLP	3.8	-1	8.8	1	1.0	-1	0.309	0	2.719	0	8.787	1	1976	55	1.2
1648.9	10000	38.1145	95.2547	-705	PLP	3.8	-1	8.8	1	1.0	-1	0.300	0	2.645	0	8.823	1	1998	50	1.2
1649.0	10000	38.1145	95.2539	-705	PLP	3.8	-1	8.8	1	1.0	-1	0.272	0	2.398	0	8.803	1	2015	53	1.2
1649.1	10000	38.1145	95.2531	-706	PLP	3.8	-1	8.8	1	1.0	-1	0.274	0	2.570	0	8.373	1	2027	54	1.2
1649.2	10000	38.1145	95.2523	-706	PLP	3.8	-1	8.8	1	1.0	-1	0.283	0	2.730	0	8.640	1	2043	57	1.2
1649.3	10000	38.1145	95.2515	-707	PLP	3.8	-1	8.8	1	1.0	-1	0.307	0	2.940	0	8.578	1	2040	54	1.2
1649.4	10000	38.1145	95.2507	-707	PLP	3.8	-1	8.8	1	1.0	-1	0.289	0	2.778	0	8.624	1	2055	55	1.2
1649.5	10000	38.1146	95.2499	-708	PLP	3.8	-1	8.8	1	1.0	-1	0.255	0	2.514	0	8.855	1	2062	45	1.2
1649.6	10000	38.1146	95.2491	-708	PLP	3.8	-1	8.8	1	1.0	-1	0.275	0	2.652	0	8.634	1	2077	53	1.2
1649.7	10000	38.1146	95.2483	-708	PLP	3.8	-1	8.8	1	1.0	-1	0.268	0	2.398	0	8.956	1	2083	50	1.2
1649.8	10000	38.1146	95.2475	-708	PLP	3.8	-1	8.8	1	1.0	-1	0.255	0	2.203	0	8.652	1	2080	52	1.2
1649.9	10000	38.1146	95.2467	-709	PLP	3.8	-1	8.8	1	1.0	-1	0.253	0	2.077	0	8.197	1	2071	48	1.2
1650.0	10000	38.1146	95.2459	-709	PLP	3.8	-1	8.8	1	1.0	-1	0.245	0	1.974	0	8.148	1	2066	44	1.2
1650.1	10000	38.1146	95.2451	-710	PLP	3.8	-1	8.8	1	1.0	-1	0.245	0	1.985	0	8.094	1	2057	45	1.2
1650.2	10000	38.1146	95.2443	-710	PLP	3.8	-1	8.8	1	1.0	-1	0.229	0	1.909	0	8.335	1	2047	45	1.2
1650.3	10000	38.1146	95.2435	-710	PLP	3.8	-1	8.8	1	1.0	-1	0.230	0	1.886	0	8.583	1	2025	45	1.2
1650.4	10000	38.1146	95.2427	-710	PLP	3.8	-1	8.8	1	1.0	-1	0.269	0	2.088	0	8.227	1	2017	50	1.2
1650.5	10000	38.1146	95.2419	-710	PLP	2.9	-1	10.6	1	1.0	-1	0.274	0	2.749	0	10.027	1	1987	50	1.2

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1650.6	10000	38.1146	95.2411	-710	PLP	2.9	-1	10.8	1	1.0	-1	0.268	-1	2.802	0	10.467	2	2038	56	1.1
1650.7	10000	38.1146	95.2403	-711	PLP	2.8	-1	10.7	1	1.1	0	0.261	-1	2.613	0	9.999	1	2052	62	1.1
1650.8	10000	38.1146	95.2395	-710	PLP	3.1	0	10.5	1	1.1	0	0.295	-1	2.904	0	9.837	1	2061	29	1.1
1650.9	10000	38.1146	95.2387	-710	PLP	3.4	0	9.9	0	1.1	0	0.344	0	3.135	0	9.104	0	2064	61	1.1
1651.0	10000	38.1146	95.2379	-710	PLP	3.5	1	10.2	1	1.1	0	0.346	0	3.181	1	9.191	1	2081	45	1.1
1651.1	10000	38.1146	95.2371	-709	PLP	3.5	1	10.0	1	1.2	0	0.346	0	2.990	0	8.651	0	2093	50	1.1
1651.2	10000	38.1146	95.2363	-709	PLP	3.3	0	9.7	0	1.2	0	0.335	0	2.673	0	7.987	0	2095	55	1.1
1651.3	10000	38.1146	95.2355	-708	PLP	3.6	1	9.7	0	1.3	0	0.372	1	2.935	0	7.887	0	2089	45	1.1
1651.4	10000	38.1146	95.2347	-708	PLP	3.7	1	9.5	0	1.2	0	0.388	1	3.185	1	8.217	0	2078	51	1.1
1651.5	10000	38.1146	95.2339	-708	PLP	3.5	1	9.6	0	1.2	0	0.365	1	2.998	0	8.209	0	2061	48	1.1
1651.6	10000	38.1146	95.2331	-707	PLP	3.4	0	9.6	0	1.2	0	0.356	0	2.957	0	8.296	0	2047	63	1.1
1651.7	10000	38.1146	95.2323	-707	PLP	3.3	0	9.6	0	1.1	0	0.346	0	2.939	0	8.489	0	2029	47	1.1
1651.8	10000	38.1146	95.2315	-706	PLP	3.2	0	9.7	0	1.1	0	0.328	0	2.788	0	8.507	0	2017	38	1.1
1651.9	10000	38.1146	95.2307	-706	PLP	3.2	0	9.6	0	1.1	0	0.335	0	2.830	0	8.460	0	2014	46	1.1
1652.0	10000	38.1146	95.2299	-705	PLP	3.1	0	9.3	0	1.1	0	0.329	0	2.795	0	8.502	0	1996	47	1.1
1652.1	10000	38.1146	95.2291	-705	PLP	3.0	0	9.6	0	1.1	0	0.311	0	2.703	0	8.697	0	1984	59	1.1
1652.2	10000	38.1146	95.2283	-704	PLP	2.8	-1	9.7	0	1.1	-1	0.287	-1	2.618	0	9.119	0	1992	52	1.1
1652.3	10000	38.1146	95.2275	-704	PLP	3.2	0	9.5	0	1.1	0	0.338	0	2.974	0	8.804	0	2005	45	1.1
1652.4	10000	38.1146	95.2267	-703	PLP	3.1	0	9.3	0	1.1	0	0.329	0	2.714	0	8.239	0	2002	41	1.0
1652.5	10000	38.1146	95.2259	-702	PLP	3.2	0	9.7	0	1.1	0	0.334	0	2.916	0	8.740	0	2009	42	1.0
1652.6	10000	38.1146	95.2251	-702	PLP	3.2	0	10.1	1	1.1	0	0.321	0	2.956	0	9.203	1	2022	44	1.0
1652.7	10000	38.1146	95.2243	-701	PLP	3.1	0	10.5	1	1.2	0	0.293	-1	2.664	0	9.083	0	2041	41	1.0
1652.8	10000	38.1146	95.2235	-700	PLP	3.1	0	10.8	1	1.2	0	0.288	-1	2.678	0	9.291	1	2069	45	1.0
1652.9	10000	38.1147	95.2227	-699	PLP	3.5	1	10.9	1	1.2	0	0.316	0	2.820	0	8.925	0	2094	46	1.0
1653.0	10000	38.1146	95.2219	-698	PLP	3.0	-1	10.9	1	1.2	0	0.272	-1	2.368	-1	8.717	0	2108	50	1.0
1653.1	10000	38.1147	95.2211	-697	PLP	3.0	0	11.2	2	1.3	1	0.268	-1	2.342	-1	8.745	0	2135	55	1.0
1653.2	10000	38.1147	95.2203	-696	PLP	2.6	-1	11.0	1	1.3	1	0.237	-2	2.012	-1	8.478	0	2144	59	1.0
1653.3	10000	38.1147	95.2195	-695	PLP	2.5	-2	10.6	1	1.3	1	0.235	-2	1.904	-2	8.087	0	2148	38	1.0
1653.4	10000	38.1147	95.2187	-694	PLP	2.6	-1	10.5	1	1.3	1	0.251	-2	2.011	-1	8.025	0	2157	41	1.0
1653.5	10000	38.1147	95.2179	-693	PLP	2.9	-1	10.2	1	1.3	1	0.289	-1	2.257	-1	7.812	-1	2141	39	1.0
1653.6	10000	38.1147	95.2171	-692	PLP	2.8	-1	10.2	1	1.3	1	0.285	-1	2.214	-1	7.777	-1	2109	54	1.0
1653.7	10000	38.1147	95.2163	-690	PLP	2.9	-1	10.2	1	1.3	1	0.289	-1	2.287	-1	7.925	-1	2089	52	1.0
1653.8	10000	38.1147	95.2155	-689	PLP	3.0	0	10.2	1	1.3	1	0.304	-1	2.433	-1	8.007	-1	2056	48	1.0
1653.9	10000	38.1147	95.2147	-688	PLP	3.0	0	9.9	0	1.3	1	0.361	0	2.775	0	7.695	-1	2030	49	1.0
1654.0	10000	38.1147	95.2139	-687	PLP	3.4	0	9.9	0	1.3	1	0.380	0	3.003	0	7.913	0	2006	60	1.0
1654.1	10000	38.1147	95.2131	-686	PLP	3.5	0	9.9	0	1.3	1	0.369	0	3.061	0	7.295	0	1983	54	1.0
1654.2	10000	38.1147	95.2123	-682	PLP	3.5	0	9.9	0	1.3	1	0.370	0	3.982	0	7.058	0	1989	56	1.0
1654.3	10000	38.1147	95.2115	-681	PLP	3.5	0	9.9	0	1.3	1	0.355	0	3.044	0	7.564	0	1986	45	1.0
1654.4	10000	38.1147	95.2106	-680	PLP	3.5	0	9.9	0	1.3	1	0.365	0	3.109	0	7.508	0	1993	63	1.0
1654.5	10000	38.1147	95.2098	-679	PLP	3.5	0	9.9	0	1.3	1	0.372	0	3.005	0	8.075	0	2017	50	1.0
1654.6	10000	38.1147	95.2090	-677	PLP	3.5	0	9.9	0	1.3	1	0.359	0	2.982	0	8.297	0	2044	47	1.0
1654.7	10000	38.1147	95.2081	-675	PLP	3.5	0	9.9	0	1.3	1	0.337	0	2.605	0	8.725	0	2067	65	1.0
1654.8	10000	38.1147	95.2073	-673	PLP	3.5	0	9.9	0	1.3	1	0.334	0	2.549	0	8.630	0	2084	44	1.0
1654.9	10000	38.1147	95.2064	-671	PLP	3.5	0	9.9	0	1.3	1	0.331	0	2.491	0	8.532	0	2096	36	1.0
1655.0	10000	38.1148	95.2056	-669	PLP	3.5	0	9.9	0	1.3	1	0.330	0	2.473	0	8.503	0	2118	46	1.0
1655.1	10000	38.1148	95.2047	-666	PLP	3.5	0	9.9	0	1.3	1	0.326	0	2.373	0	8.308	0	2126	44	1.0
1655.2	10000	38.1148	95.2039	-662	PLP	3.5	0	9.9	0	1.3	1	0.326	0	2.382	0	8.413	0	2136	49	1.0
1655.3	10000	38.1148	95.2031	-655	PLP	3.5	0	9.9	0	1.3	1	0.326	0	2.244	0	8.088	0	2128	50	1.0
1655.4	10000	38.1148	95.2022	-656	PLP	3.5	0	9.9	0	1.3	1	0.326	0	2.427	0	8.889	0	2101	51	1.0
1655.5	10000	38.1148	95.2014	-655	PLP	3.5	0	9.9	0	1.3	1	0.326	0	2.253	0	8.676	0	2071	38	1.0
1655.6	10000	38.1148	95.2005	-650	PLP	3.5	0	9.9	0	1.3	1	0.326	0	2.048	0	8.242	0	2032	60	1.0
1655.7	10000	38.1148	95.1997	-649	PLP	3.5	0	9.9	0	1.3	1	0.326	0	2.141	0	8.613	0	2013	43	1.0

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1655.8	10000	38.1148	95.1989	-646	PLP	2.7	-1	9.5	0	1.1	0	0.280	-1	2.309	-1	8.256	0	2000	48	1.0
1655.9	10000	38.1148	95.1980	-642	PLP	2.4	-2	9.2	0	1.2	0	0.263	-1	2.074	-1	7.897	0	1977	58	1.0
1656.0	10000	38.1148	95.1972	-637	PLP	2.5	-1	9.6	0	1.1	0	0.265	-1	2.233	-1	8.433	0	1983	49	1.0
1656.1	10000	38.1148	95.1963	-633	PLP	2.6	-1	9.4	0	1.1	0	0.271	-1	2.243	-1	8.271	0	2005	42	1.0
1656.2	10000	38.1148	95.1955	-629	PLP	2.8	-1	9.7	0	1.1	0	0.294	-1	2.488	-1	8.465	0	2031	45	1.0
1656.3	10000	38.1149	95.1946	-625	PLP	3.1	0	9.9	0	1.2	0	0.313	0	2.564	0	8.194	0	2085	53	1.0
1656.4	10000	38.1149	95.1938	-620	PLP	3.3	0	10.5	1	1.3	1	0.317	0	2.576	0	8.134	0	2134	38	1.0
1656.5	10000	38.1149	95.1929	-615	PLP	3.4	0	10.9	1	1.3	1	0.312	0	2.534	-1	8.135	0	2176	51	1.0
1656.6	10000	38.1149	95.1921	-610	PLP	3.6	1	10.8	1	1.4	1	0.335	0	2.627	0	7.853	0	2219	58	1.0
1656.7	10000	38.1149	95.1913	-606	PLP	3.5	1	10.6	1	1.4	2	0.329	0	2.448	-1	7.432	-1	2239	45	1.0
1656.8	10000	38.1149	95.1904	-603	PLP	3.6	1	11.0	1	1.5	2	0.327	0	2.482	-1	7.601	-1	2265	44	1.0
1656.9	10000	38.1149	95.1896	-598	PLP	3.7	1	11.0	1	1.5	2	0.333	0	2.505	-1	7.522	-1	2286	42	1.0
1657.0	10000	38.1149	95.1887	-594	PLP	3.4	0	11.2	1	1.4	2	0.303	-1	2.350	-1	7.755	-1	2264	41	1.0
1657.1	10000	38.1149	95.1879	-591	PLP	3.1	0	11.1	1	1.4	1	0.280	-1	2.220	-1	7.917	0	2232	46	1.0
1657.2	10000	38.1149	95.1871	-588	PLP	3.0	0	10.5	1	1.4	1	0.284	-1	2.205	-1	7.763	-1	2175	57	1.0
1657.3	10000	38.1149	95.1862	-586	PLP	3.0	0	10.6	1	1.3	1	0.284	-1	2.315	-1	8.145	0	2116	53	1.0
1657.4	10000	38.1149	95.1854	-585	PLP	3.1	0	10.6	1	1.3	1	0.288	-1	2.441	-1	8.487	0	2071	44	1.0
1657.5	10000	38.1149	95.1845	-583	PLP	2.9	-1	10.5	1	1.2	1	0.280	-1	2.493	-1	8.904	0	2013	47	1.0
1657.6	10000	38.1150	95.1837	-582	PLP	2.6	-1	10.3	1	1.1	0	0.254	-1	2.355	-1	9.278	1	1954	46	1.0
1657.7	10000	38.1150	95.1828	-582	PLP	2.7	-1	10.0	1	1.1	-1	0.272	-1	2.566	0	9.429	1	1918	42	1.0
1657.8	10000	38.1150	95.1820	-582	PLP	2.8	-1	9.7	1	1.0	-1	0.286	-1	2.933	0	10.243	1	1880	52	1.0
1657.9	10000	38.1150	95.1812	-582	PLP	2.9	-1	10.1	1	1.0	-1	0.283	-1	2.982	0	10.526	2	1881	46	1.0
1658.0	10000	38.1150	95.1803	-582	PLP	3.0	-1	9.8	1	1.0	-1	0.302	-1	3.157	0	10.461	2	1900	49	1.0
1658.1	10000	38.1150	95.1795	-583	PLP	2.9	-1	9.8	1	0.9	-1	0.296	-1	3.176	0	10.720	2	1905	51	1.0
1658.2	10000	38.1150	95.1786	-584	PLP	2.8	-1	9.9	1	1.0	-1	0.286	-1	2.960	0	10.357	1	1937	57	1.0
1658.3	10000	38.1150	95.1778	-584	PLP	3.1	0	9.9	1	1.0	-1	0.309	0	3.148	0	10.194	1	1977	54	1.0
1658.4	10000	38.1150	95.1769	-585	PLP	3.0	-1	10.1	1	1.1	-1	0.297	-1	2.925	0	9.837	1	2007	48	1.0
1658.5	10000	38.1150	95.1761	-585	PLP	2.9	-1	10.1	1	1.1	-1	0.285	-1	2.582	0	9.060	0	2046	50	1.0
1658.6	10000	38.1150	95.1753	-586	PLP	2.9	-1	10.1	1	1.1	-1	0.288	-1	2.699	0	9.360	1	2076	45	1.0
1658.7	10000	38.1150	95.1744	-586	PLP	2.9	-1	10.5	1	1.1	-1	0.275	-1	2.620	0	9.524	1	2094	53	1.0
1658.8	10000	38.1150	95.1736	-587	PLP	3.1	0	10.4	1	1.2	0	0.294	0	2.701	0	9.185	1	2117	46	1.0
1658.9	10000	38.1151	95.1727	-587	PLP	3.2	0	10.3	1	1.2	0	0.308	0	2.902	0	9.430	1	2115	51	1.0
1659.0	10000	38.1151	95.1719	-588	PLP	3.3	0	10.2	1	1.2	0	0.322	0	2.719	0	9.056	1	2105	49	1.0
1659.1	10000	38.1151	95.1711	-588	PLP	3.4	0	10.4	1	1.3	0	0.333	0	2.960	0	9.191	1	2110	49	1.0
1659.2	10000	38.1151	95.1702	-588	PLP	3.5	0	10.3	1	1.3	0	0.330	0	3.091	0	9.269	1	2097	34	1.0
1659.3	10000	38.1151	95.1694	-589	PLP	3.4	0	10.2	1	1.3	0	0.346	0	3.056	0	9.249	1	2081	46	1.0
1659.4	10000	38.1151	95.1685	-589	PLP	3.4	0	10.4	1	1.3	0	0.349	0	3.063	0	9.845	1	2064	47	1.0
1659.5	10000	38.1151	95.1677	-588	PLP	3.4	0	10.3	1	1.3	0	0.349	0	3.118	0	9.943	1	2044	51	1.0
1659.6	10000	38.1151	95.1668	-589	PLP	3.4	0	10.2	1	1.3	0	0.377	0	3.000	0	9.606	1	2032	40	1.0
1659.7	10000	38.1151	95.1660	-588	PLP	3.6	0	10.4	1	1.4	0	0.390	0	3.310	0	9.782	1	2039	62	1.0
1659.8	10000	38.1151	95.1652	-588	PLP	3.7	0	10.3	1	1.4	0	0.406	0	3.364	0	9.624	1	2032	54	1.0
1659.9	10000	38.1151	95.1643	-588	PLP	3.7	0	10.2	1	1.4	0	0.412	0	3.442	0	9.470	1	2048	51	1.0
1660.0	10000	38.1151	95.1635	-587	PLP	3.6	0	10.4	1	1.4	0	0.376	0	3.317	0	9.047	1	2061	54	1.0
1660.1	10000	38.1152	95.1626	-587	PLP	3.4	0	10.3	1	1.3	0	0.349	0	3.151	0	9.375	1	2084	55	1.0
1660.2	10000	38.1152	95.1618	-587	PLP	3.4	0	10.2	1	1.3	0	0.354	0	3.006	0	9.613	1	2124	48	1.0
1660.3	10000	38.1152	95.1609	-586	PLP	3.3	0	10.4	1	1.2	0	0.316	0	3.018	0	9.518	1	2148	46	1.0
1660.4	10000	38.1152	95.1601	-585	PLP	3.2	0	10.3	1	1.2	0	0.304	0	2.647	0	9.378	1	2174	52	1.0
1660.5	10000	38.1152	95.1593	-584	PLP	3.2	0	10.2	1	1.2	0	0.297	0	2.463	0	9.095	1	2204	43	1.0
1660.6	10000	38.1152	95.1584	-583	PLP	3.2	0	10.4	1	1.2	0	0.295	0	2.428	0	9.188	1	2199	46	1.0
1660.7	10000	38.1152	95.1576	-582	PLP	3.2	0	10.3	1	1.2	0	0.341	0	2.401	0	9.134	1	2175	45	1.0
1660.8	10000	38.1152	95.1567	-581	PLP	3.2	0	10.2	1	1.2	0	0.357	0	2.814	0	8.853	1	2161	51	1.0
1660.9	10000	38.1152	95.1559	-580	PLP	3.5	0	9.7	1	1.2	0	0.357	0	2.886	0	8.886	1	2107	38	1.0

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1661.0	10000	38.1152	95.1550	-579	PLP	3.3	0	9.7	0	1.1	0	0.345	0	2.930	0	8.497	0	2069	46	1.1
1661.1	10000	38.1152	95.1542	-577	PLP	3.2	0	9.1	-1	1.1	-1	0.351	0	3.020	0	8.614	0	1990	49	1.1
1661.2	10000	38.1152	95.1534	-576	PLP	3.1	0	8.7	-1	1.0	-1	0.360	0	3.177	1	8.817	0	1915	49	1.1
1661.3	10000	38.1152	95.1525	-575	PLP	2.9	-1	8.6	-1	0.9	-2	0.339	0	3.259	1	9.627	1	1864	54	1.1
1661.4	10000	38.1153	95.1517	-574	PLP	3.0	0	8.6	-1	0.9	-1	0.352	0	3.352	1	9.527	1	1828	41	1.1
1661.5	10000	38.1153	95.1508	-572	PLP	2.6	-1	8.4	-1	0.9	-2	0.312	0	3.046	0	9.758	1	1767	53	1.1
1661.6	10000	38.1153	95.1500	-571	PLP	2.5	-2	7.8	-2	0.9	-2	0.317	0	2.848	0	8.990	0	1728	51	1.1
1661.7	10000	38.1153	95.1492	-569	PLP	2.4	-2	7.8	-2	0.9	-2	0.306	-1	2.695	0	8.816	0	1710	44	1.1
1661.8	10000	38.1153	95.1483	-568	PLP	2.5	-2	8.1	-2	0.9	-1	0.309	0	2.730	0	8.835	0	1723	48	1.1
1661.9	10000	38.1153	95.1475	-566	PLP	2.5	-2	8.0	-2	0.9	-2	0.313	0	2.795	0	8.937	0	1742	47	1.1
1662.0	10000	38.1153	95.1466	-565	PLP	2.6	-1	8.2	-1	1.0	-1	0.321	0	2.660	0	8.275	0	1779	46	1.1
1662.1	10000	38.1153	95.1458	-563	PLP	2.6	-1	8.6	-1	1.0	-1	0.303	-1	2.662	0	8.777	0	1821	44	1.1
1662.2	10000	38.1153	95.1449	-561	PLP	2.5	-2	9.1	0	1.0	-1	0.271	-1	2.381	-1	8.801	0	1872	43	1.1
1662.3	10000	38.1153	95.1441	-560	PLP	2.5	-2	9.5	0	1.0	-1	0.261	-1	2.378	-1	9.099	0	1901	56	1.1
1662.4	10000	38.1153	95.1432	-558	PKC	2.4	-2	9.4	0	1.1	0	0.259	-1	2.315	-1	8.925	0	1910	49	1.1
1662.5	10000	38.1153	95.1424	-556	PKC	2.4	-2	9.6	0	1.1	0	0.246	-1	2.176	-1	8.835	0	1908	55	1.1
1662.6	10000	38.1153	95.1416	-555	PKC	2.0	-2	10.0	1	1.1	0	0.205	-2	1.810	-2	8.826	0	1901	44	1.1
1662.7	10000	38.1154	95.1407	-553	PKC	1.9	-3	10.1	1	1.2	0	0.184	-2	1.613	-2	8.753	0	1881	43	1.1
1662.8	10000	38.1154	95.1399	-552	PKC	1.8	-3	9.8	1	1.1	0	0.185	-2	1.582	-2	8.573	0	1862	50	1.1
1662.9	10000	38.1154	95.1390	-551	PKC	2.0	-2	9.5	0	1.1	0	0.212	-2	1.825	-2	8.620	0	1831	52	1.1
1663.0	10000	38.1154	95.1382	-549	PKC	1.9	-2	9.7	0	1.1	0	0.197	-2	1.705	-2	8.671	0	1852	42	1.1
1663.1	10000	38.1154	95.1374	-548	PKC	1.9	-3	9.6	0	1.1	0	0.193	-2	1.640	-2	8.508	0	1856	57	1.1
1663.2	10000	38.1154	95.1365	-546	PKC	1.9	-3	9.8	0	1.1	0	0.190	-2	1.701	-2	8.959	0	1859	48	1.1
1663.3	10000	38.1154	95.1357	-545	PKC	2.1	-2	9.7	0	1.1	0	0.222	-2	2.015	-1	9.096	1	1865	47	1.1
1663.4	10000	38.1154	95.1348	-543	PKC	2.3	-2	9.7	0	1.0	-1	0.235	-2	2.319	-1	9.870	1	1860	44	1.1
1663.5	10000	38.1154	95.1340	-541	PKC	2.3	-2	9.5	0	1.0	-1	0.243	-1	2.378	-1	9.794	1	1851	56	1.1
1663.6	10000	38.1154	95.1331	-540	PKC	2.4	-2	9.5	0	1.0	-1	0.250	-1	2.338	-1	9.365	1	1875	45	1.1
1663.7	10000	38.1154	95.1323	-538	PKC	2.6	-1	9.8	0	1.0	-1	0.269	-1	2.656	0	9.874	1	1861	47	1.1
1663.8	10000	38.1154	95.1315	-536	PKC	2.7	-1	9.8	0	1.0	-1	0.279	-1	2.840	0	10.182	1	1873	39	1.1
1663.9	10000	38.1155	95.1306	-535	PKC	2.8	-1	9.8	0	1.0	-1	0.281	-1	2.748	0	9.769	1	1888	47	1.1
1664.0	10000	38.1155	95.1298	-533	PKC	2.8	-1	9.8	0	1.0	-1	0.271	-1	2.652	0	9.787	1	1905	54	1.2
1664.1	10000	38.1155	95.1289	-531	PKC	2.8	-1	9.8	0	1.0	-1	0.252	-1	2.399	0	9.506	1	1925	64	1.2
1664.2	10000	38.1155	95.1281	-529	PKC	2.7	-1	9.8	0	1.0	-1	0.215	-1	2.100	0	9.781	1	1950	46	1.2
1664.3	10000	38.1155	95.1273	-527	PKC	2.7	-1	9.8	0	1.0	-1	0.217	-1	2.102	0	9.708	1	1965	39	1.2
1664.4	10000	38.1155	95.1264	-525	PKC	2.6	-1	9.8	0	1.0	-1	0.187	-1	1.756	0	9.404	1	2003	44	1.2
1664.5	10000	38.1155	95.1256	-523	PKC	2.6	-1	9.8	0	1.0	-1	0.187	-1	1.726	0	9.250	1	2025	49	1.2
1664.6	10000	38.1155	95.1247	-521	PKC	2.6	-1	9.8	0	1.0	-1	0.211	-1	1.943	0	9.223	1	2048	46	1.2
1664.7	10000	38.1155	95.1239	-520	PKC	2.6	-1	9.8	0	1.0	-1	0.227	-1	2.121	0	9.746	1	2057	61	1.2
1664.8	10000	38.1155	95.1230	-518	PKC	2.6	-1	9.8	0	1.0	-1	0.238	-1	2.378	0	9.995	1	2063	44	1.2
1664.9	10000	38.1155	95.1222	-515	PKC	2.6	-1	9.8	0	1.0	-1	0.267	-1	2.612	0	9.799	1	2052	62	1.2
1665.0	10000	38.1155	95.1214	-513	PKC	2.6	-1	9.8	0	1.0	-1	0.274	-1	2.688	0	10.030	1	2037	34	1.2
1665.1	10000	38.1155	95.1205	-513	PKC	2.6	-1	9.8	0	1.0	-1	0.335	-1	3.352	0	9.927	1	2001	44	1.2
1665.2	10000	38.1155	95.1197	-513	PKC	2.6	-1	9.8	0	1.0	-1	0.347	-1	3.448	0	9.938	1	1972	45	1.2
1665.3	10000	38.1156	95.1188	-512	PKC	2.6	-1	9.8	0	1.0	-1	0.322	-1	3.310	0	9.928	1	1927	47	1.2
1665.4	10000	38.1156	95.1180	-515	PKC	2.6	-1	9.8	0	1.0	-1	0.317	-1	3.177	0	9.928	1	1892	44	1.2
1665.5	10000	38.1156	95.1171	-518	PKC	2.6	-1	9.8	0	1.0	-1	0.346	-1	3.201	0	9.928	1	1876	57	1.2
1665.6	10000	38.1156	95.1163	-520	PKC	2.6	-1	9.8	0	1.0	-1	0.336	-1	3.205	0	9.928	1	1861	32	1.2
1665.7	10000	38.1156	95.1155	-520	PKC	2.6	-1	9.8	0	1.0	-1	0.329	-1	3.078	0	9.928	1	1870	62	1.2
1665.8	10000	38.1156	95.1146	-519	PKC	2.6	-1	9.8	0	1.0	-1	0.246	-1	2.413	0	9.928	1	1874	51	1.2
1665.9	10000	38.1156	95.1138	-518	PKC	2.6	-1	9.8	0	1.0	-1	0.241	-1	2.342	0	9.928	1	1906	44	1.2
1666.0	10000	38.1156	95.1129	-517	PKC	2.6	-1	9.8	0	1.0	-1	0.241	-1	2.342	0	9.928	1	1960	56	1.2
1666.1	10000	38.1156	95.1121	-516	PKC	2.6	-1	9.8	0	1.0	-1	0.241	-1	2.342	0	9.928	1	2008	56	1.2

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1666.2	10000	38.1156	95.1113	-515	PKC	2.5	-1	10.5	1	1.1	0	0.236	-2	2.180	-1	9.225	1	2062	54	1.2
1666.3	10000	38.1156	95.1104	-513	PKC	2.5	-1	11.1	1	1.1	0	0.227	-2	2.327	-1	10.267	2	2110	61	1.2
1666.4	10000	38.1156	95.1096	-511	PKC	2.6	-1	11.2	1	1.1	0	0.235	-2	2.441	-1	10.401	2	2117	44	1.2
1666.5	10000	38.1156	95.1087	-509	PKC	2.9	-1	11.1	1	1.1	0	0.262	-1	2.722	0	10.386	2	2127	52	1.2
1666.6	10000	38.1157	95.1079	-507	PKC	3.1	0	11.0	1	1.1	0	0.277	-1	2.880	0	10.389	2	2107	36	1.2
1666.7	10000	38.1157	95.1070	-505	PKC	3.1	0	10.6	1	1.0	-1	0.290	-1	3.090	0	10.638	2	2056	56	1.2
1666.8	10000	38.1157	95.1062	-503	PKC	3.0	0	10.7	1	1.0	-1	0.285	-1	2.979	0	10.462	2	2023	42	1.2
1666.9	10000	38.1157	95.1053	-502	PKC	3.0	-1	10.5	1	0.9	-1	0.285	-1	3.243	0	11.379	2	1951	46	1.1
1667.0	10000	38.1157	95.1045	-500	PKC	2.9	-1	10.2	1	0.9	-1	0.285	-1	3.118	0	10.929	2	1900	55	1.1
1667.1	10000	38.1157	95.1037	-498	PKC	2.8	-1	9.8	0	0.9	-1	0.284	-1	3.020	0	10.619	2	1866	49	1.1
1667.2	10000	38.1157	95.1028	-496	PKC	2.7	-1	9.7	0	0.9	-1	0.282	-1	3.043	0	10.800	2	1838	41	1.1
1667.3	10000	38.1157	95.1020	-495	PKC	2.9	-1	9.6	0	0.9	-2	0.299	-1	3.310	0	11.082	2	1814	56	1.1
1667.4	10000	38.1157	95.1011	-493	PKC	2.8	-1	9.3	0	0.9	-2	0.302	-1	3.283	0	10.856	2	1812	37	1.1
1667.5	10000	38.1157	95.1003	-491	PKC	3.0	-1	8.8	0	0.8	-2	0.340	0	3.839	1	11.282	2	1774	51	1.1
1667.6	10000	38.1157	95.0995	-490	PKC	2.9	-1	8.7	-1	0.8	-2	0.336	0	3.739	1	11.130	2	1758	40	1.1
1667.7	10000	38.1157	95.0986	-488	PKC	2.9	-1	8.5	-1	0.8	-2	0.334	0	3.575	1	10.713	2	1748	49	1.1
1667.8	10000	38.1158	95.0978	-487	PKC	2.8	-1	8.6	-1	0.8	-2	0.322	0	3.516	1	10.920	2	1719	44	1.1
1667.9	10000	38.1158	95.0969	-488	PKC	2.6	-1	8.6	-1	0.8	-2	0.304	-1	3.365	1	11.068	2	1694	60	1.1
1668.0	10000	38.1158	95.0961	-491	PKC	2.5	-1	8.2	-1	0.8	-2	0.299	-1	3.254	0	10.879	2	1692	45	1.1
1668.1	10000	38.1158	95.0952	-497	PKC	2.5	-1	8.4	-1	0.7	-2	0.299	-1	3.576	1	11.965	3	1675	52	1.1
1668.2	10000	38.1158	95.0944	-501	PKC	2.6	-1	8.8	0	0.7	-2	0.293	-1	3.501	1	11.935	3	1698	50	1.1
1668.3	10000	38.1158	95.0936	-501	PKC	2.5	-1	8.6	-1	0.7	-2	0.289	-1	3.490	1	12.060	3	1711	54	1.1
1668.4	10000	38.1158	95.0927	-501	PKC	2.7	-1	8.9	0	0.7	-2	0.298	-1	3.814	1	12.784	3	1719	51	1.1
1668.5	10000	38.1158	95.0919	-499	PKC	2.8	-1	8.7	-1	0.7	-2	0.320	-1	3.822	1	11.948	3	1729	53	1.1
1668.6	10000	38.1158	95.0910	-498	PKC	2.7	-1	8.5	-1	0.8	-2	0.324	0	3.651	1	11.260	2	1752	50	1.1
1668.7	10000	38.1158	95.0902	-497	PKC	2.9	-1	8.8	0	0.8	-2	0.329	0	3.760	1	11.428	2	1746	50	1.1
1668.8	10000	38.1158	95.0893	-496	PKC	2.9	-1	8.7	-1	0.8	-2	0.336	0	3.482	1	10.350	2	1769	51	1.1
1668.9	10000	38.1158	95.0885	-496	PKC	2.6	-1	9.0	0	0.8	-2	0.293	-1	3.202	0	10.936	2	1792	42	1.1
1669.0	10000	38.1158	95.0877	-495	PKC	2.7	-1	9.5	0	0.9	-1	0.284	-1	2.943	0	10.358	2	1826	62	1.1
1669.1	10000	38.1158	95.0868	-495	PKC	2.4	-2	9.4	0	1.0	-1	0.257	-1	2.450	-1	9.548	1	1861	31	1.1
1669.2	10000	38.1158	95.0860	-495	PKC	2.2	-2	9.7	0	1.0	-1	0.227	-2	2.141	-1	9.415	1	1903	43	1.1
1669.3	10000	38.1158	95.0851	-495	PKC	2.6	-1	9.8	0	1.0	-1	0.266	-1	2.476	-1	9.313	1	1917	52	1.1
1669.4	10000	38.1158	95.0843	-495	PKC	2.5	-1	9.7	0	1.0	-1	0.254	-1	2.264	-1	8.930	1	1943	48	1.1
1669.5	10000	38.1158	95.0835	-496	PKC	2.6	-1	10.1	0	1.0	-1	0.254	-1	2.334	-1	9.184	1	1956	41	1.1
1669.6	10000	38.1158	95.0826	-497	PKC	2.8	-1	9.4	0	1.0	-1	0.294	-1	2.441	-1	8.292	1	1955	39	1.1
1669.7	10000	38.1158	95.0818	-497	PKC	2.9	-1	8.8	0	1.0	-1	0.326	-1	2.653	-1	8.143	1	1952	38	1.1
1669.8	10000	38.1158	95.0809	-498	PKC	2.9	-1	8.6	0	1.0	-1	0.367	-1	2.966	-1	8.082	1	1932	52	1.1
1669.9	10000	38.1158	95.0801	-499	PKC	3.2	-1	8.6	0	1.0	-1	0.408	-1	3.450	-1	8.465	1	1909	38	1.1
1670.0	10000	38.1158	95.0792	-501	PKC	3.2	-1	8.5	0	1.0	-1	0.377	-1	3.208	-1	8.513	1	1895	51	1.1
1670.1	10000	38.1157	95.0784	-502	PKC	3.3	-1	8.5	0	1.0	-1	0.401	-1	3.354	-1	8.372	1	1880	54	1.1
1670.2	10000	38.1157	95.0775	-503	PKC	3.3	-1	8.4	0	1.0	-1	0.404	-1	3.389	-1	8.378	1	1862	53	1.1
1670.3	10000	38.1157	95.0767	-504	PKC	3.3	-1	8.4	0	1.0	-1	0.401	-1	3.420	-1	8.528	1	1832	40	1.1
1670.4	10000	38.1157	95.0759	-505	PKC	3.3	-1	8.5	0	1.0	-1	0.387	-1	3.494	-1	9.038	1	1801	45	1.1
1670.5	10000	38.1157	95.0750	-506	PKC	3.3	-1	8.5	0	1.0	-1	0.391	-1	3.571	-1	9.139	1	1788	58	1.1
1670.6	10000	38.1157	95.0742	-507	PKC	3.3	-1	8.5	0	1.0	-1	0.388	-1	3.498	-1	9.026	1	1768	37	1.1
1670.7	10000	38.1157	95.0733	-508	PKC	3.3	-1	8.5	0	1.0	-1	0.372	-1	3.272	-1	8.793	1	1765	57	1.1
1670.8	10000	38.1157	95.0725	-509	PKC	3.3	-1	8.4	0	1.0	-1	0.392	-1	3.385	-1	8.634	1	1765	44	1.1
1670.9	10000	38.1157	95.0717	-510	PKC	3.3	-1	8.4	0	1.0	-1	0.404	-1	3.558	-1	8.798	1	1786	41	1.1
1671.0	10000	38.1157	95.0708	-511	PKC	3.3	-1	8.4	0	1.0	-1	0.405	-1	3.718	-1	8.171	1	1837	68	1.1
1671.1	10000	38.1157	95.0700	-512	PKC	3.3	-1	8.4	0	1.0	-1	0.412	-1	3.659	-1	8.888	1	1886	43	1.1
1671.2	10000	38.1157	95.0691	-513	PKC	3.3	-1	8.4	0	1.0	-1	0.403	-1	3.635	-1	9.025	1	1951	42	1.1
1671.3	10000	38.1157	95.0683	-514	PKC	3.5	-1	8.2	0	1.0	-1	0.380	-1	3.462	-1	9.100	1	2051	58	1.0

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1671.4	10000	38.1157	95.0674	-515	PKC	3.9	1	9.9	0	1.1	0	0.391	0	3.483	1	8.914	0	2135	30	1.0
1671.5	10000	38.1157	95.0666	-516	PKC	3.8	1	10.8	1	1.2	0	0.354	0	3.325	1	9.401	1	2221	41	1.0
1671.6	10000	38.1157	95.0658	-517	PKC	3.6	1	11.9	2	1.3	1	0.302	-1	2.797	0	9.258	1	2273	55	1.0
1671.7	10000	38.1157	95.0649	-518	PKC	3.3	1	12.6	3	1.3	1	0.265	-1	2.577	-1	9.721	1	2305	53	1.0
1671.8	10000	38.1157	95.0641	-519	PKC	3.3	1	12.6	3	1.3	1	0.261	-1	2.471	-1	9.478	1	2317	66	1.0
1671.9	10000	38.1157	95.0632	-519	PKC	3.1	1	12.5	2	1.3	1	0.249	-1	2.339	-1	9.406	1	2300	36	1.0
1672.0	10000	38.1157	95.0624	-520	PKC	3.3	1	11.8	2	1.4	1	0.280	-1	2.415	-1	8.613	0	2267	53	1.0
1672.1	10000	38.1157	95.0615	-520	PKC	3.3	1	11.2	2	1.3	1	0.290	-1	2.494	-1	8.587	0	2237	50	1.0
1672.2	10000	38.1157	95.0607	-521	PKC	3.3	1	10.4	1	1.3	1	0.316	-1	2.549	-1	8.063	0	2192	38	1.0
1672.3	10000	38.1157	95.0599	-521	PKC	3.4	1	10.1	1	1.2	1	0.335	0	2.715	0	8.106	0	2158	40	1.0
1672.4	10000	38.1157	95.0590	-521	PKC	3.4	1	9.3	0	1.3	1	0.363	0	2.599	-1	7.154	-1	2116	54	1.0
1672.5	10000	38.1157	95.0582	-521	PKC	3.3	1	9.3	0	1.3	1	0.357	0	2.568	-1	7.202	-1	2095	39	1.0
1672.6	10000	38.1157	95.0573	-521	PKC	3.5	1	9.3	0	1.3	1	0.381	0	2.768	0	7.261	-1	2099	46	1.0
1672.7	10000	38.1157	95.0565	-521	PKC	3.4	1	9.6	0	1.2	1	0.354	0	2.731	0	7.715	0	2092	54	1.0
1672.8	10000	38.1157	95.0556	-520	PKC	3.3	1	9.6	0	1.2	1	0.345	0	2.655	0	7.686	-1	2071	45	1.0
1672.9	10000	38.1157	95.0548	-520	PKC	3.2	1	10.0	1	1.2	1	0.316	-1	2.545	-1	8.054	0	2056	42	1.0
1673.0	10000	38.1156	95.0540	-519	PKC	3.2	1	9.8	0	1.2	1	0.330	0	2.678	0	8.121	0	2047	47	1.0
1673.1	10000	38.1157	95.0531	-519	PKC	3.1	0	10.4	1	1.1	0	0.299	-1	2.792	0	9.330	1	2041	44	1.0
1673.2	10000	38.1156	95.0523	-518	PKC	3.3	0	10.9	1	1.1	0	0.299	-1	2.947	0	9.873	1	2054	52	1.0
1673.3	10000	38.1156	95.0514	-517	PKC	2.9	-1	10.7	1	1.1	0	0.269	-1	2.611	-1	9.700	1	2034	53	1.0
1673.4	10000	38.1156	95.0506	-516	PKC	2.8	-1	10.6	1	1.1	0	0.267	-1	2.560	-1	9.593	1	2015	45	1.0
1673.5	10000	38.1156	95.0498	-515	PKC	2.7	-1	10.8	1	1.1	0	0.245	-1	2.433	-1	9.919	1	2010	42	1.0
1673.6	10000	38.1156	95.0489	-514	PKC	2.7	-1	10.8	1	1.1	0	0.253	-1	2.562	-1	10.125	1	2011	37	1.0
1673.7	10000	38.1156	95.0481	-513	PKC	2.8	-1	10.4	1	1.1	0	0.265	-1	2.588	-1	9.749	1	2007	44	1.0
1673.8	10000	38.1156	95.0472	-511	PKC	2.9	-1	10.1	1	1.1	0	0.291	-1	2.711	0	9.320	1	2001	56	1.0
1673.9	10000	38.1156	95.0464	-510	PKC	3.0	-1	9.8	1	1.1	0	0.308	-1	2.735	0	8.895	0	1983	61	1.0
1674.0	10000	38.1156	95.0455	-510	PKC	3.1	-1	9.9	1	1.1	0	0.338	-1	3.033	0	8.983	0	1984	54	1.0
1674.1	10000	38.1156	95.0447	-509	PKC	3.1	-1	9.9	1	1.1	0	0.357	-1	3.276	0	9.168	1	1999	46	1.0
1674.2	10000	38.1156	95.0439	-508	PKC	3.3	-1	9.9	1	1.1	0	0.365	-1	3.240	0	8.868	0	1999	43	1.0
1674.3	10000	38.1156	95.0430	-507	PKC	3.3	-1	9.9	1	1.1	0	0.387	-1	3.379	0	8.720	0	1989	53	1.0
1674.4	10000	38.1156	95.0422	-506	PKC	3.3	-1	9.9	1	1.1	0	0.372	-1	3.314	0	8.905	0	1976	60	1.0
1674.5	10000	38.1156	95.0413	-506	PKC	3.3	-1	9.9	1	1.1	0	0.410	-1	3.638	0	8.868	0	1976	37	1.0
1674.6	10000	38.1156	95.0405	-506	PKC	3.3	-1	9.9	1	1.1	0	0.378	-1	3.328	0	8.812	0	1965	52	1.0
1674.7	10000	38.1156	95.0396	-506	PKC	3.3	-1	9.9	1	1.1	0	0.364	-1	3.303	0	8.072	0	1965	52	1.0
1674.8	10000	38.1156	95.0388	-505	PKC	3.3	-1	9.9	1	1.1	0	0.337	-1	3.108	0	8.224	0	1964	44	1.0
1674.9	10000	38.1156	95.0380	-506	PKC	3.3	-1	9.9	1	1.1	0	0.349	-1	3.376	0	8.662	0	1986	57	1.0
1675.0	10000	38.1156	95.0371	-507	PKC	3.3	-1	9.9	1	1.1	0	0.320	-1	3.117	0	8.739	0	2020	41	1.0
1675.1	10000	38.1156	95.0363	-508	PKC	3.3	-1	9.9	1	1.1	0	0.319	-1	3.066	0	8.599	0	2048	44	1.0
1675.2	10000	38.1156	95.0354	-510	PKC	3.3	-1	9.9	1	1.1	0	0.278	-1	2.772	0	8.491	0	2060	46	1.0
1675.3	10000	38.1156	95.0346	-511	PKC	3.3	-1	9.9	1	1.1	0	0.296	-1	2.951	0	8.360	0	2072	56	1.0
1675.4	10000	38.1156	95.0338	-512	PKC	3.3	-1	9.9	1	1.1	0	0.297	-1	2.951	0	8.216	0	2056	44	1.0
1675.5	10000	38.1156	95.0329	-513	PKC	3.3	-1	9.9	1	1.1	0	0.288	-1	2.951	0	8.150	0	2047	46	1.0
1675.6	10000	38.1156	95.0321	-514	PKC	3.3	-1	9.9	1	1.1	0	0.305	-1	2.951	0	8.425	0	2032	53	1.0
1675.7	10000	38.1156	95.0312	-516	PKC	3.3	-1	9.9	1	1.1	0	0.276	-1	2.951	0	8.460	0	2029	52	1.0
1675.8	10000	38.1156	95.0304	-517	PKC	3.3	-1	9.9	1	1.1	0	0.294	-1	2.951	0	8.395	0	2027	49	1.0
1675.9	10000	38.1156	95.0295	-518	PKC	3.3	-1	9.9	1	1.1	0	0.291	-1	2.951	0	8.507	0	2029	41	1.0
1676.0	10000	38.1156	95.0287	-520	PKC	3.3	-1	9.9	1	1.1	0	0.305	-1	2.951	0	8.029	0	2019	44	1.0
1676.1	10000	38.1155	95.0278	-521	PKC	3.3	-1	9.9	1	1.1	0	0.295	-1	2.951	0	8.059	0	2021	42	1.0
1676.2	10000	38.1155	95.0270	-522	PKC	3.3	-1	9.9	1	1.1	0	0.305	-1	2.951	0	8.966	1	2007	49	1.0
1676.3	10000	38.1155	95.0262	-523	PKC	3.3	-1	9.9	1	1.1	0	0.335	-1	2.951	0	8.702	0	1983	56	1.0
1676.4	10000	38.1155	95.0253	-524	PKC	3.3	-1	9.9	1	1.1	0	0.335	-1	2.951	0	8.300	0	1953	45	1.0
1676.5	10000	38.1155	95.0245	-524	PKC	3.2	-1	9.9	1	1.1	0	0.335	-1	2.951	0	8.081	0	1925	66	1.0

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1676.6	10000	38.1155	95.0236	-525	PKC	3.1	0	9.2	0	1.0	-1	0.340	0	3.160	0	9.304	1	1912	44	1.1
1676.7	10000	38.1155	95.0228	-526	PKC	3.0	-1	9.4	0	1.0	-1	0.316	-1	3.020	0	9.567	1	1906	55	1.1
1676.8	10000	38.1155	95.0220	-527	PKC	2.8	-1	9.5	0	1.0	-1	0.296	-1	2.885	0	9.734	1	1918	43	1.1
1676.9	10000	38.1155	95.0211	-527	PKC	2.9	-1	9.7	0	1.0	-1	0.297	-1	2.913	0	9.800	1	1929	37	1.1
1677.0	10000	38.1155	95.0203	-529	PKC	2.8	-1	9.8	0	1.0	-1	0.286	-1	2.840	0	9.918	1	1954	47	1.1
1677.1	10000	38.1155	95.0194	-530	PKC	2.7	-1	10.2	1	1.0	-1	0.262	-1	2.609	-1	9.948	1	1962	38	1.1
1677.2	10000	38.1155	95.0186	-531	PKC	2.7	-1	10.5	1	1.0	-1	0.258	-1	2.672	0	10.362	2	1973	54	1.1
1677.3	10000	38.1155	95.0177	-533	PKC	2.5	-1	10.3	1	1.1	0	0.241	-1	2.327	-1	9.647	1	1984	48	1.1
1677.4	10000	38.1155	95.0169	-535	PKC	2.4	-2	9.9	1	1.1	0	0.247	-1	2.226	-1	9.008	1	1995	42	1.1
1677.5	10000	38.1155	95.0161	-537	PKC	2.7	-1	9.9	0	1.1	0	0.273	-1	2.526	-1	9.267	1	1967	48	1.1
1677.6	10000	38.1155	95.0152	-539	PKC	2.5	-1	9.4	0	1.0	-1	0.264	-1	2.484	-1	9.425	1	1953	43	1.1
1677.7	10000	38.1155	95.0144	-542	PKC	2.5	-1	9.4	0	1.0	-1	0.271	-1	2.654	0	9.788	1	1923	37	1.1
1677.8	10000	38.1155	95.0135	-544	PKC	2.7	-1	9.1	0	0.9	-1	0.300	-1	3.015	0	10.046	1	1918	44	1.1
1677.9	10000	38.1155	95.0127	-545	PKC	2.9	-1	8.9	0	0.9	-1	0.325	0	3.295	0	10.131	1	1908	55	1.1
1678.0	10000	38.1155	95.0118	-547	PKC	3.0	-1	9.2	0	0.8	-2	0.327	0	3.591	1	10.980	2	1875	54	1.1
1678.1	10000	38.1155	95.0110	-549	PKC	3.2	0	9.3	0	0.8	-2	0.338	0	3.846	1	11.391	2	1866	42	1.2
1678.2	10000	38.1155	95.0102	-550	PKC	3.2	0	9.3	0	0.9	-2	0.338	0	3.682	1	10.910	2	1874	50	1.2
1678.3	10000	38.1155	95.0093	-551	PKC	3.3	0	9.3	0	0.9	-1	0.353	0	3.711	1	10.519	2	1861	49	1.2
1678.4	10000	38.1155	95.0085	-551	PKC	3.1	0	9.1	0	0.9	-1	0.340	0	3.371	1	9.905	1	1848	41	1.2
1678.5	10000	38.1155	95.0076	-551	PKC	3.2	0	9.1	0	0.9	-1	0.361	0	3.610	1	10.011	1	1814	40	1.2
1678.6	10000	38.1155	95.0068	-551	PKC	3.1	0	8.9	-1	0.9	-2	0.367	0	3.680	1	10.022	1	1762	43	1.2
1678.7	10000	38.1155	95.0060	-551	PKC	2.9	-1	8.8	-1	0.9	-2	0.365	0	3.419	1	9.367	1	1718	47	1.2
1678.8	10000	38.1155	95.0051	-551	PKC	2.7	-1	8.7	-1	0.8	-2	0.350	0	3.368	1	9.624	1	1657	37	1.2
1678.9	10000	38.1155	95.0043	-550	PKC	2.5	-1	7.7	-2	0.7	-2	0.345	0	3.292	1	9.529	1	1603	50	1.2
1679.0	10000	38.1154	95.0034	-549	PKC	2.3	-1	7.7	-2	0.7	-2	0.306	-1	3.261	0	10.663	2	1596	49	1.2
1679.1	10000	38.1155	95.0026	-548	PKC	2.5	-1	8.0	-1	0.7	-2	0.319	-1	3.494	1	10.969	2	1607	43	1.2
1679.2	10000	38.1154	95.0017	-547	PKC	2.2	-2	8.3	-1	0.8	-2	0.265	-1	2.829	0	10.695	2	1623	44	1.2
1679.3	10000	38.1154	95.0009	-546	PKC	2.0	-2	8.9	-1	0.9	-2	0.224	-2	2.387	-1	10.639	2	1675	56	1.2
1679.4	10000	38.1154	95.0000	-544	PKC	2.2	-2	9.4	-1	0.9	-1	0.236	-2	2.538	-1	10.762	2	1745	53	1.2
1679.5	10000	38.1154	94.9992	-543	PKC	2.2	-2	9.7	-1	0.9	-1	0.225	-2	2.364	0	10.309	2	1819	65	1.2
1679.6	10000	38.1154	94.9984	-541	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	1892	56	1.2
1679.7	10000	38.1154	94.9975	-539	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	1935	51	1.2
1679.8	10000	38.1154	94.9967	-538	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	1973	48	1.2
1679.9	10000	38.1154	94.9958	-536	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2009	29	1.2
1680.0	10000	38.1154	94.9950	-535	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2037	39	1.2
1680.1	10000	38.1154	94.9942	-534	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2055	44	1.2
1680.2	10000	38.1154	94.9933	-533	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2074	67	1.2
1680.3	10000	38.1154	94.9925	-533	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2108	45	1.2
1680.4	10000	38.1154	94.9916	-533	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2113	46	1.2
1680.5	10000	38.1154	94.9908	-532	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2127	47	1.2
1680.6	10000	38.1154	94.9899	-532	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2149	38	1.2
1680.7	10000	38.1154	94.9891	-533	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2158	54	1.2
1680.8	10000	38.1154	94.9883	-533	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2174	53	1.2
1680.9	10000	38.1154	94.9874	-534	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2181	46	1.2
1681.0	10000	38.1154	94.9866	-534	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2175	35	1.2
1681.1	10000	38.1154	94.9857	-535	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2200	40	1.2
1681.2	10000	38.1154	94.9849	-534	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2216	46	1.2
1681.3	10000	38.1154	94.9840	-535	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2211	59	1.2
1681.4	10000	38.1154	94.9832	-534	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2206	38	1.2
1681.5	10000	38.1154	94.9824	-533	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2183	61	1.2
1681.6	10000	38.1154	94.9815	-531	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2177	44	1.2
1681.7	10000	38.1153	94.9807	-529	PKC	2.2	-2	9.9	-1	0.9	-1	0.222	-2	2.364	0	10.653	2	2163	40	1.2

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1681.8	10000	38.1153	94.9798	-527	PKC	2.8	-1	10.5	1	1.2	0	0.272	-1	2.421	-1	8.894	0	2157	47	1.2
1681.9	10000	38.1153	94.9790	-525	PKC	3.2	0	10.2	1	1.1	0	0.312	-1	2.843	0	9.121	1	2138	50	1.2
1682.0	10000	38.1153	94.9781	-522	PKC	3.2	0	10.7	1	1.1	0	0.296	-1	2.770	0	9.346	1	2138	55	1.2
1682.1	10000	38.1153	94.9773	-519	PKC	3.1	0	10.4	1	1.1	0	0.297	-1	2.784	0	9.363	1	2144	43	1.2
1682.2	10000	38.1153	94.9765	-515	PKC	3.2	0	10.8	1	1.1	0	0.299	-1	2.975	0	9.942	1	2151	62	1.2
1682.3	10000	38.1153	94.9756	-511	PKC	3.3	0	10.6	1	1.1	0	0.312	-1	3.017	0	9.674	1	2146	56	1.2
1682.4	10000	38.1153	94.9748	-507	PKC	3.3	0	10.2	1	1.1	0	0.318	-1	2.923	0	9.201	1	2164	42	1.2
1682.5	10000	38.1153	94.9739	-503	PKC	3.0	-1	10.3	1	1.1	0	0.291	-1	2.619	-1	8.987	1	2184	52	1.2
1682.6	10000	38.1153	94.9731	-498	PKC	2.8	-1	10.5	1	1.2	0	0.264	-1	2.263	-1	8.576	0	2200	49	1.2
1682.7	10000	38.1153	94.9722	-493	PKC	3.0	-1	10.5	1	1.2	1	0.284	-1	2.377	-1	8.377	0	2221	48	1.2
1682.8	10000	38.1153	94.9714	-488	PKC	2.9	-1	10.7	1	1.2	1	0.274	-1	2.350	-1	8.590	0	2207	50	1.2
1682.9	10000	38.1153	94.9706	-482	PKC	2.9	-1	10.2	1	1.2	1	0.284	-1	2.316	-1	8.153	0	2177	47	1.2
1683.0	10000	38.1153	94.9697	-477	PKC	2.8	-1	10.6	1	1.3	1	0.264	-1	2.218	-1	8.401	0	2173	51	1.2
1683.1	10000	38.1153	94.9689	-471	PKC	2.9	-1	10.7	1	1.3	1	0.268	-1	2.211	-1	8.240	0	2142	48	1.2
1683.2	10000	38.1153	94.9680	-464	PKC	2.9	-1	10.5	1	1.2	1	0.277	-1	2.347	-1	8.487	0	2103	55	1.2
1683.3	10000	38.1153	94.9671	-458	PKC	3.2	0	10.3	1	1.2	0	0.306	-1	2.597	-1	8.488	0	2080	45	1.2
1683.4	10000	38.1153	94.9663	-452	PKC	3.0	-1	9.6	0	1.1	0	0.313	-1	2.623	-1	8.389	0	2040	52	1.2
1683.5	10000	38.1153	94.9654	-445	PKC	2.9	-1	9.4	0	1.2	0	0.315	-1	2.466	-1	7.834	0	2038	52	1.2
1683.6	10000	38.1153	94.9645	-438	PKC	2.9	-1	9.7	0	1.2	0	0.301	-1	2.417	-1	8.027	0	2061	51	1.2
1683.7	10000	38.1153	94.9637	-431	PKC	3.0	0	9.5	0	1.2	0	0.320	0	2.601	-1	8.119	0	2061	41	1.2
1683.8	10000	38.1153	94.9628	-424	PKC	2.7	-1	10.0	1	1.1	0	0.274	-1	2.383	-1	8.706	0	2067	54	1.2
1683.9	10000	38.1153	94.9619	-417	PKC	2.9	-1	9.9	0	1.1	0	0.292	-1	2.534	-1	8.666	0	2072	52	1.1
1684.0	10000	38.1153	94.9611	-410	PKC	2.7	-1	10.0	1	1.1	0	0.274	-1	2.474	-1	9.036	1	2074	50	1.1
1684.1	10000	38.1154	94.9602	-402	PKC	2.7	-1	10.9	1	1.1	0	0.252	-1	2.492	-1	9.877	1	2074	53	1.1
1684.2	10000	38.1154	94.9593	-395	PKC	2.7	-1	11.3	2	1.0	-1	0.239	-2	2.604	-1	10.901	2	2055	45	1.1
1684.3	10000	38.1154	94.9585	-387	PKC	2.7	-1	11.0	1	1.1	-1	0.248	-2	2.692	-1	10.864	2	2039	39	1.1
1684.4	10000	38.1154	94.9576	-380	PKC	2.7	-1	10.9	1	1.1	-1	0.248	-2	2.667	-1	10.738	2	2016	56	1.1
1684.5	10000	38.1154	94.9567	-373	PKC	2.7	-1	10.9	1	1.1	-1	0.247	-2	2.703	-1	10.088	2	1979	50	1.1
1684.6	10000	38.1154	94.9559	-365	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	2.957	-1	9.943	2	1932	35	1.1
1684.7	10000	38.1154	94.9550	-358	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.216	-1	9.867	2	1882	33	1.1
1684.8	10000	38.1154	94.9541	-351	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.372	-1	9.048	2	1831	51	1.1
1684.9	10000	38.1154	94.9533	-344	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.472	-1	9.357	2	1785	56	1.1
1685.0	10000	38.1154	94.9524	-337	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.657	-1	9.486	2	1739	58	1.1
1685.1	10000	38.1154	94.9515	-331	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.797	-1	9.175	2	1701	38	1.1
1685.2	10000	38.1154	94.9507	-324	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.758	-1	9.428	2	1686	68	1.1
1685.3	10000	38.1154	94.9498	-318	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.510	-1	9.870	2	1674	49	1.1
1685.4	10000	38.1154	94.9489	-312	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.657	-1	9.688	2	1661	41	1.1
1685.5	10000	38.1154	94.9481	-307	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.581	-1	9.506	2	1692	49	1.1
1685.6	10000	38.1154	94.9472	-301	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.476	-1	9.256	2	1751	41	1.1
1685.7	10000	38.1154	94.9463	-295	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.301	-1	9.424	2	1812	45	1.1
1685.8	10000	38.1154	94.9454	-290	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.711	-1	9.468	2	1878	45	1.1
1685.9	10000	38.1154	94.9446	-284	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.662	-1	9.722	2	1960	53	1.1
1686.0	10000	38.1154	94.9437	-278	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.211	-1	9.307	2	2027	43	1.1
1686.1	10000	38.1154	94.9429	-274	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.930	-1	9.814	2	2084	51	1.1
1686.2	10000	38.1155	94.9420	-268	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.991	-1	9.457	2	2107	47	1.1
1686.3	10000	38.1155	94.9411	-263	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.995	-1	9.900	2	2106	49	1.1
1686.4	10000	38.1155	94.9402	-259	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.929	-1	9.605	2	2100	48	1.1
1686.5	10000	38.1155	94.9394	-255	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.922	-1	9.365	2	2102	47	1.1
1686.6	10000	38.1155	94.9385	-251	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.840	-1	9.959	2	2096	44	1.1
1686.7	10000	38.1155	94.9377	-248	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.945	-1	9.796	2	2131	45	1.1
1686.8	10000	38.1155	94.9368	-243	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.995	-1	9.618	2	2169	48	1.1
1686.9	10000	38.1155	94.9359	-240	PKC	2.7	-1	10.8	1	1.1	-1	0.247	-2	3.995	-1	9.372	2	2208	54	1.1

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1687.0	10000	38.1155	94.9350	-237	PKC	3.6	1	10.2	1	1.3	1	0.356	0	2.832	0	7.961	0	2240	60	1.0
1687.1	10000	38.1155	94.9342	-233	PKC	3.9	1	10.2	1	1.3	1	0.377	0	2.974	0	7.881	0	2262	34	1.0
1687.2	10000	38.1155	94.9333	-230	PKC	3.9	1	10.5	1	1.3	1	0.376	0	3.150	0	8.378	0	2273	46	1.0
1687.3	10000	38.1155	94.9324	-229	PKC	3.8	1	10.4	1	1.2	1	0.370	0	3.272	0	8.853	0	2254	55	1.0
1687.4	10000	38.1155	94.9316	-227	PKC	4.1	1	10.5	1	1.1	0	0.391	1	3.744	1	9.565	1	2215	39	1.0
1687.5	10000	38.1155	94.9307	-227	PKC	4.0	1	10.4	1	1.1	0	0.385	1	3.722	1	9.674	1	2192	40	1.0
1687.6	10000	38.1155	94.9298	-226	PKC	3.8	1	10.2	1	1.1	0	0.375	1	3.535	1	9.430	1	2160	44	1.0
1687.7	10000	38.1155	94.9290	-227	PKC	3.8	1	10.0	1	1.0	-1	0.384	1	3.774	1	9.836	1	2129	40	1.0
1687.8	10000	38.1155	94.9281	-227	PKC	4.0	1	9.7	1	0.9	-1	0.410	1	4.192	2	10.233	1	2102	47	0.9
1687.9	10000	38.1155	94.9272	-228	PKC	4.0	1	9.4	1	1.0	-1	0.423	1	4.091	2	9.667	1	2080	44	0.9
1688.0	10000	38.1155	94.9264	-230	PKC	4.1	1	9.4	1	1.0	-1	0.434	1	3.977	1	9.153	1	2104	45	0.9
1688.1	10000	38.1156	94.9255	-232	PKC	3.8	1	9.4	1	1.1	0	0.405	1	3.483	1	8.598	1	2121	55	0.9
1688.2	10000	38.1156	94.9246	-234	PKC	3.6	1	9.6	1	1.1	0	0.374	1	3.326	1	8.894	0	2116	46	0.9
1688.3	10000	38.1156	94.9238	-237	PKC	3.8	1	9.9	1	1.1	0	0.381	1	3.410	1	8.957	0	2140	35	0.9
1688.4	10000	38.1156	94.9229	-240	PKC	3.9	1	10.1	1	1.2	0	0.386	1	3.346	1	8.672	0	2179	60	0.9
1688.5	10000	38.1156	94.9220	-243	PKC	3.6	1	10.3	1	1.2	0	0.351	1	2.949	0	8.409	0	2204	51	0.9
1688.6	10000	38.1156	94.9212	-247	PKC	3.4	1	10.7	1	1.3	0	0.320	1	2.697	0	8.416	0	2244	46	0.9
1688.7	10000	38.1156	94.9203	-251	PKC	3.4	1	11.1	1	1.3	0	0.304	-1	2.685	0	8.821	0	2258	50	0.9
1688.8	10000	38.1156	94.9194	-255	PKC	3.5	1	10.9	1	1.3	0	0.321	1	2.720	0	8.464	0	2261	48	0.9
1688.9	10000	38.1156	94.9186	-260	PKC	3.7	1	10.7	1	1.3	0	0.372	1	3.021	0	8.115	0	2278	47	0.9
1689.0	10000	38.1156	94.9177	-265	PKC	3.5	1	10.4	1	1.3	0	0.356	1	2.876	0	8.078	0	2251	42	0.9
1689.1	10000	38.1156	94.9168	-270	PKC	3.4	1	10.2	1	1.2	0	0.342	1	2.788	0	8.155	0	2202	41	0.9
1689.2	10000	38.1156	94.9160	-275	PKC	3.3	1	10.0	1	1.2	0	0.341	1	2.718	0	7.979	0	2168	50	0.9
1689.3	10000	38.1156	94.9151	-280	PKC	3.3	1	9.8	1	1.1	0	0.345	1	2.770	0	8.036	0	2109	47	0.9
1689.4	10000	38.1156	94.9142	-285	PKC	3.5	1	9.9	1	1.1	0	0.388	1	3.020	0	7.782	0	2042	41	0.9
1689.5	10000	38.1156	94.9133	-290	PKC	3.4	1	9.5	1	1.1	0	0.367	1	3.016	0	8.214	0	2009	43	0.9
1689.6	10000	38.1156	94.9125	-294	PKC	3.0	1	9.4	1	1.1	0	0.321	1	2.828	0	8.808	0	2006	48	0.9
1689.7	10000	38.1156	94.9116	-298	PKC	3.2	1	9.3	1	1.1	0	0.344	1	2.992	0	8.691	0	2022	56	0.9
1689.8	10000	38.1156	94.9108	-301	PKC	3.6	1	9.4	1	1.1	0	0.371	1	3.226	1	8.685	0	2053	54	0.9
1689.9	10000	38.1156	94.9099	-304	PKC	3.7	1	9.6	1	1.1	0	0.387	1	3.539	1	9.139	1	2091	40	0.9
1690.0	10000	38.1156	94.9090	-307	PKC	3.6	1	9.8	1	1.1	0	0.368	1	3.226	1	8.663	1	2126	40	0.9
1690.1	10000	38.1156	94.9081	-310	PKC	3.4	1	9.8	1	1.1	0	0.347	1	3.539	1	9.177	1	2148	47	0.9
1690.2	10000	38.1157	94.9073	-312	PKC	3.3	1	9.8	1	1.1	0	0.329	1	3.556	1	9.879	1	2164	61	0.9
1690.3	10000	38.1157	94.9064	-314	PKC	3.3	1	9.8	1	1.1	0	0.344	1	3.351	1	9.424	1	2146	55	0.9
1690.4	10000	38.1157	94.9055	-316	PKC	3.3	1	9.8	1	1.1	0	0.383	1	3.608	1	9.086	1	2145	56	0.9
1690.5	10000	38.1157	94.9047	-316	PKC	3.3	1	9.8	1	1.1	0	0.365	1	3.320	1	8.831	1	2155	55	0.9
1690.6	10000	38.1157	94.9038	-317	PKC	3.3	1	9.8	1	1.1	0	0.350	1	3.098	1	8.585	1	2148	52	0.9
1690.7	10000	38.1157	94.9029	-317	PKC	3.3	1	9.8	1	1.1	0	0.348	1	3.093	1	8.935	1	2154	49	0.9
1690.8	10000	38.1157	94.9021	-317	PKC	3.3	1	9.8	1	1.1	0	0.390	1	3.097	1	8.781	1	2173	42	0.9
1690.9	10000	38.1157	94.9012	-317	PKC	3.3	1	9.8	1	1.1	0	0.466	1	3.159	1	8.845	1	2172	50	0.9
1691.0	10000	38.1157	94.9003	-317	PKC	3.3	1	9.8	1	1.1	0	0.511	1	3.497	1	8.754	1	2144	41	0.9
1691.1	10000	38.1157	94.8995	-316	PKC	3.3	1	9.8	1	1.1	0	0.492	1	3.324	1	8.894	1	2091	50	0.9
1691.2	10000	38.1157	94.8986	-315	PKC	3.3	1	9.8	1	1.1	0	0.543	1	3.742	1	8.907	1	2026	39	0.9
1691.3	10000	38.1157	94.8977	-314	PKC	3.3	1	9.8	1	1.1	0	0.595	1	4.113	2	9.334	1	1973	55	0.9
1691.4	10000	38.1157	94.8969	-313	PKC	3.3	1	9.8	1	1.1	0	0.595	1	4.136	2	9.206	1	1913	44	0.9
1691.5	10000	38.1157	94.8960	-311	PKC	3.3	1	9.8	1	1.1	0	0.634	1	4.367	2	9.237	1	1866	55	0.9
1691.6	10000	38.1157	94.8951	-310	PP	3.3	1	9.8	1	1.1	0	0.612	1	4.256	2	9.405	1	1830	58	0.9
1691.7	10000	38.1157	94.8943	-308	PP	3.3	1	9.8	1	1.1	0	0.591	1	4.113	2	9.208	1	1825	49	0.9
1691.8	10000	38.1157	94.8934	-306	PP	3.3	1	9.8	1	1.1	0	0.623	1	4.367	2	9.775	1	1824	40	0.9
1691.9	10000	38.1157	94.8925	-304	PP	3.3	1	9.8	1	1.1	0	0.626	1	4.388	2	9.775	1	1800	51	0.9
1692.0	10000	38.1157	94.8917	-302	PP	3.3	1	9.8	1	1.1	0	0.596	1	4.185	2	9.423	1	1760	40	0.9
1692.1	10000	38.1157	94.8908	-300	PP	3.6	1	9.8	1	1.1	0	0.615	1	4.250	2	9.637	1	1728	39	0.9

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1692.2	10000	38.1157	94.8899	-298	PP	3.5	0	5.4	-3	1.0	-1	0.647	3	3.669	1	5.670	-2	1725	40	1.0
1692.3	10000	38.1157	94.8891	-296	PP	3.5	0	5.1	-3	1.0	-1	0.696	4	3.536	1	5.079	-2	1725	37	1.0
1692.4	10000	38.1157	94.8882	-294	PP	3.3	0	5.4	-3	1.0	-1	0.618	3	3.454	1	5.588	-2	1739	34	1.0
1692.5	10000	38.1158	94.8873	-291	PP	3.3	0	5.6	-3	1.0	-1	0.585	2	3.359	0	5.745	-2	1753	43	1.0
1692.6	10000	38.1158	94.8865	-289	PP	3.4	0	5.8	-3	1.0	-1	0.590	2	3.539	1	6.003	-2	1792	54	1.0
1692.7	10000	38.1158	94.8856	-287	PP	3.6	0	5.9	-3	1.0	-1	0.601	2	3.668	1	6.105	-2	1832	47	1.0
1692.8	10000	38.1158	94.8847	-285	PP	3.6	1	6.6	-2	1.0	-1	0.545	2	3.687	1	6.760	-1	1861	42	1.1
1692.9	10000	38.1158	94.8839	-283	PP	3.4	0	7.0	-2	1.0	-1	0.481	1	3.448	1	7.162	-1	1875	47	1.1
1693.0	10000	38.1158	94.8830	-282	PP	3.1	0	7.8	-1	1.0	0	0.402	0	3.034	0	7.545	-1	1909	49	1.1
1693.1	10000	38.1158	94.8821	-281	PP	3.2	0	8.0	-1	1.1	0	0.395	0	2.932	0	7.422	-1	1929	43	1.1
1693.2	10000	38.1158	94.8813	-281	PP	3.3	0	8.6	0	1.1	0	0.382	0	2.903	0	7.593	-1	1978	50	1.1
1693.3	10000	38.1158	94.8804	-280	PP	3.3	0	8.4	-1	1.2	0	0.390	0	2.845	0	7.293	-1	2006	40	1.1
1693.4	10000	38.1158	94.8795	-279	PP	3.3	0	8.4	-1	1.1	0	0.391	0	2.891	0	7.401	-1	2019	45	1.1
1693.5	10000	38.1158	94.8786	-278	PP	3.3	0	8.3	-1	1.1	0	0.401	0	2.922	0	7.292	-1	2038	49	1.1
1693.6	10000	38.1158	94.8778	-278	PP	3.3	0	8.6	0	1.1	0	0.380	0	2.927	0	7.703	0	2033	41	1.1
1693.7	10000	38.1158	94.8769	-279	PP	3.3	0	8.7	0	1.1	0	0.379	0	3.075	0	8.120	0	2014	47	1.1
1693.8	10000	38.1158	94.8760	-280	PP	3.4	0	8.5	0	1.0	-1	0.401	0	3.378	0	8.421	0	1976	46	1.1
1693.9	10000	38.1158	94.8752	-279	PP	3.4	0	7.8	-1	0.9	-1	0.430	1	3.601	1	8.376	0	1900	47	1.1
1694.0	10000	38.1158	94.8743	-278	PP	3.3	0	7.5	-1	0.9	-1	0.432	1	3.707	1	8.573	0	1842	55	1.1
1694.1	10000	38.1158	94.8734	-277	PP	3.4	0	7.4	-1	0.9	-2	0.455	1	3.940	1	8.664	0	1823	57	1.1
1694.2	10000	38.1158	94.8726	-276	PKC	3.4	0	7.4	-2	0.8	-2	0.463	1	4.164	2	8.999	1	1799	56	1.1
1694.3	10000	38.1158	94.8717	-276	PKC	3.3	0	7.2	-2	0.8	-2	0.460	1	3.952	1	8.596	0	1802	59	1.1
1694.4	10000	38.1159	94.8708	-275	PKC	3.4	0	6.9	-2	0.8	-2	0.499	2	4.142	2	8.296	0	1790	43	1.1
1694.5	10000	38.1158	94.8700	-277	PKC	3.3	0	6.8	-2	0.8	-2	0.481	2	3.896	1	8.097	0	1785	51	1.1
1694.6	10000	38.1159	94.8691	-277	PKC	3.3	0	6.7	-2	0.8	-2	0.492	2	4.011	1	8.159	0	1786	33	1.1
1694.7	10000	38.1159	94.8682	-280	PKC	3.3	0	6.8	-2	0.8	-2	0.488	2	4.001	1	8.204	0	1801	47	1.1
1694.8	10000	38.1159	94.8674	-284	PKC	3.2	0	7.1	-2	0.9	-2	0.453	1	3.759	1	8.305	0	1812	53	1.2
1694.9	10000	38.1159	94.8665	-288	PKC	3.4	0	7.6	-2	0.9	-2	0.449	2	3.764	1	7.542	-1	1826	45	1.2
1695.0	10000	38.1159	94.8656	-292	PKC	3.5	0	7.6	-2	0.9	-2	0.453	2	3.892	1	7.752	-1	1828	49	1.2
1695.1	10000	38.1159	94.8648	-298	PKC	3.5	0	7.6	-2	0.9	-2	0.457	2	3.714	1	7.016	-1	1849	54	1.2
1695.2	10000	38.1159	94.8639	-305	PKC	3.5	0	7.7	-2	0.9	-2	0.454	2	3.319	1	7.522	-1	1894	43	1.2
1695.3	10000	38.1159	94.8630	-313	PKC	3.5	0	7.7	-2	0.9	-2	0.454	2	3.522	1	7.581	-1	1941	51	1.2
1695.4	10000	38.1159	94.8622	-322	PKC	3.5	0	7.8	-2	0.9	-2	0.449	2	3.581	1	7.988	-1	2001	55	1.2
1695.5	10000	38.1159	94.8613	-331	PKC	3.5	0	7.8	-2	0.9	-2	0.449	2	3.588	1	7.455	-1	2058	44	1.2
1695.6	10000	38.1159	94.8604	-341	PKC	3.5	0	7.8	-2	0.9	-2	0.449	2	3.678	1	7.008	-1	2086	58	1.2
1695.7	10000	38.1159	94.8596	-352	PKC	3.5	0	7.8	-2	0.9	-2	0.449	2	3.688	1	7.944	-1	2092	41	1.2
1695.8	10000	38.1159	94.8587	-365	PKC	3.5	0	7.8	-2	0.9	-2	0.449	2	3.738	1	7.944	-1	2073	43	1.2
1695.9	10000	38.1159	94.8578	-377	PKC	3.5	0	7.8	-2	0.9	-2	0.449	2	3.738	1	7.944	-1	2041	61	1.2
1696.0	10000	38.1159	94.8569	-391	PKC	3.5	0	7.8	-2	0.9	-2	0.449	2	3.738	1	7.944	-1	2009	50	1.2
1696.1	10000	38.1159	94.8561	-404	PKC	3.5	0	7.8	-2	0.9	-2	0.449	2	3.738	1	7.944	-1	1953	47	1.2
1696.2	10000	38.1159	94.8552	-417	PKC	3.5	0	7.8	-2	0.9	-2	0.449	2	3.738	1	7.944	-1	1886	59	1.2
1696.3	10000	38.1159	94.8544	-431	PKC	3.5	0	7.8	-2	0.9	-2	0.449	2	3.738	1	7.944	-1	1847	44	1.2
1696.4	10000	38.1159	94.8535	-444	PKC	3.5	0	7.8	-2	0.9	-2	0.449	2	3.738	1	7.944	-1	1824	44	1.2
1696.5	10000	38.1159	94.8526	-457	PKC	3.5	0	7.8	-2	0.9	-2	0.449	2	3.738	1	7.944	-1	1811	44	1.2
1696.6	10000	38.1159	94.8517	-470	PP	3.5	0	7.8	-2	0.9	-2	0.449	2	3.738	1	7.944	-1	1802	39	1.2
1696.7	10000	38.1159	94.8509	-482	PP	3.5	0	7.8	-2	0.9	-2	0.449	2	3.738	1	7.944	-1	1814	43	1.2
1696.8	10000	38.1159	94.8500	-495	PP	3.5	0	7.8	-2	0.9	-2	0.449	2	3.738	1	7.944	-1	1837	47	1.2
1696.9	10000	38.1159	94.8492	-507	PP	3.5	0	7.8	-2	0.9	-2	0.449	2	3.738	1	7.944	-1	1865	43	1.2
1697.0	10000	38.1159	94.8483	-518	PP	3.5	0	7.8	-2	0.9	-2	0.449	2	3.738	1	7.944	-1	1892	53	1.2
1697.1	10000	38.1159	94.8474	-530	PP	3.5	0	7.8	-2	0.9	-2	0.449	2	3.738	1	7.944	-1	1923	54	1.2
1697.2	10000	38.1159	94.8466	-542	PP	3.5	0	7.8	-2	0.9	-2	0.449	2	3.738	1	7.944	-1	1962	44	1.2
1697.3	10000	38.1159	94.8457	-554	PP	3.5	0	7.8	-2	0.9	-2	0.449	2	3.738	1	7.944	-1	1989	47	1.2

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1697.4	10000	38.1159	94.8449	-565	PP	3.2	0	8.9	0	1.1	0	0.357	0	2.801	0	7.844	0	2010	56	1.2
1697.5	10000	38.1159	94.8441	-576	PP	3.3	0	8.7	0	1.1	0	0.373	0	2.868	0	7.680	0	2013	42	1.2
1697.6	10000	38.1159	94.8432	-588	PP	3.3	0	8.8	0	1.1	0	0.375	0	2.985	0	7.961	0	2029	45	1.2
1697.7	10000	38.1159	94.8424	-599	PP	3.4	0	8.6	0	1.1	0	0.396	0	3.064	0	7.736	0	2027	44	1.2
1697.8	10000	38.1159	94.8415	-611	PP	3.2	0	8.4	-1	1.1	0	0.387	0	2.906	0	7.509	-1	2017	48	1.2
1697.9	10000	38.1159	94.8407	-622	PP	2.9	-1	8.3	-1	1.1	0	0.353	0	2.634	-1	7.466	-1	1981	51	1.1
1698.0	10000	38.1159	94.8398	-632	PP	2.9	-1	8.3	-1	1.1	0	0.348	0	2.594	-1	7.449	-1	1941	37	1.1
1698.1	10000	38.1158	94.8390	-642	PP	2.7	-1	7.9	-1	1.1	0	0.341	0	2.456	-1	7.209	-1	1890	47	1.1
1698.2	10000	38.1158	94.8381	-653	PP	2.5	-2	8.0	-1	1.1	0	0.312	-1	2.273	-1	7.294	-1	1847	54	1.1
1698.3	10000	38.1158	94.8373	-663	PP	2.4	-2	8.2	-1	1.1	0	0.288	-1	2.129	-1	7.384	-1	1800	46	1.1
1698.4	10000	38.1158	94.8364	-672	PP	2.1	-2	8.4	-1	1.1	0	0.252	-1	2.009	-1	7.988	0	1786	43	1.1
1698.5	10000	38.1158	94.8356	-683	PP	2.2	-2	8.4	-1	1.0	-1	0.268	-1	2.210	-1	8.244	0	1753	44	1.1
1698.6	10000	38.1158	94.8347	-693	PP	2.4	-2	8.3	-1	1.0	-1	0.294	-1	2.468	-1	8.389	0	1741	47	1.1
1698.7	10000	38.1158	94.8339	-702	PP	2.3	-2	8.6	-1	1.0	-1	0.261	-1	2.145	-1	8.208	0	1747	46	1.1
1698.8	10000	38.1158	94.8330	-711	PP	2.4	-2	8.6	-1	1.0	-1	0.273	-1	2.378	-1	8.711	0	1774	45	1.1
1698.9	10000	38.1158	94.8322	-720	PP	2.4	-2	8.6	-1	1.0	-1	0.278	-1	2.449	-1	8.813	0	1807	38	1.1
1699.0	10000	38.1158	94.8313	-728	PP	2.6	-1	8.2	-1	1.0	-1	0.312	-1	2.501	-1	8.029	0	1837	51	1.1
1699.1	10000	38.1158	94.8305	-736	PP	2.6	-1	8.0	-1	1.1	0	0.322	-1	2.332	-1	7.235	-1	1843	47	1.1
1699.2	10000	38.1158	94.8296	-744	PP	2.4	-2	7.9	-1	1.1	0	0.301	-1	2.104	-1	6.985	-1	1863	37	1.1
1699.3	10000	38.1157	94.8288	-752	PP	2.5	-2	7.8	-1	1.1	0	0.316	-1	2.214	-1	7.010	-1	1880	50	1.1
1699.4	10000	38.1157	94.8279	-759	PP	2.0	-1	7.4	-1	1.1	0	0.403	0	2.798	0	6.951	-1	1907	49	1.1
1699.5	10000	38.1157	94.8271	-766	PP	2.2	0	7.3	-1	1.0	0	0.436	0	3.076	0	7.061	-1	1908	52	1.1
1699.6	10000	38.1157	94.8262	-774	PP	2.2	0	6.9	-2	1.0	-1	0.466	1	3.161	0	6.780	-1	1883	47	1.1
1699.7	10000	38.1157	94.8254	-780	PP	2.2	0	6.9	-2	1.0	-1	0.458	1	3.164	0	6.913	-1	1865	31	1.1
1699.8	10000	38.1157	94.8246	-786	PP	2.2	0	7.0	-2	1.0	-1	0.463	1	3.282	0	7.094	-1	1853	44	1.1
1699.9	10000	38.1157	94.8237	-793	PP	2.5	0	7.0	-2	1.0	-1	0.503	1	3.577	1	7.115	-1	1851	49	1.0
1700.0	10000	38.1157	94.8228	-798	PP	2.7	0	7.1	-2	1.0	-1	0.518	2	3.627	1	6.998	-1	1863	36	1.0
1700.1	10000	38.1157	94.8220	-803	PP	2.5	0	7.2	-2	1.0	0	0.484	1	3.313	0	6.848	-1	1856	64	1.0
1700.2	10000	38.1157	94.8212	-808	PP	2.2	0	7.2	-2	1.1	0	0.450	1	2.901	0	6.450	-1	1861	51	1.0
1700.3	10000	38.1157	94.8203	-812	PP	2.3	0	7.4	-2	1.1	0	0.447	1	2.890	0	6.459	-1	1879	37	1.0
1700.4	10000	38.1157	94.8195	-817	PP	2.3	0	7.6	-2	1.1	0	0.441	1	2.963	0	6.716	-1	1883	39	1.0
1700.5	10000	38.1156	94.8186	-821	PP	2.3	0	7.8	-2	1.1	0	0.417	1	2.921	0	7.002	-1	1891	36	1.0
1700.6	10000	38.1156	94.8178	-824	PP	2.3	0	7.8	-2	1.1	0	0.414	1	2.947	0	7.123	-1	1903	46	1.0
1700.7	10000	38.1156	94.8169	-828	PP	2.3	0	8.0	-2	1.1	0	0.385	1	2.878	0	7.480	-1	1895	59	1.0
1700.8	10000	38.1156	94.8161	-831	PP	2.3	0	8.0	-2	1.1	0	0.380	1	2.925	0	7.213	-1	1899	62	1.0
1700.9	10000	38.1156	94.8152	-835	PKC	2.3	0	8.1	-2	1.1	0	0.367	1	2.890	0	7.722	-1	1886	57	1.0
1701.0	10000	38.1156	94.8144	-838	PKC	2.3	0	8.1	-2	1.1	0	0.341	1	2.813	0	7.712	-1	1885	53	1.0
1701.1	10000	38.1156	94.8135	-841	PKC	2.3	0	8.1	-2	1.1	0	0.336	1	2.723	0	7.176	-1	1902	44	1.0
1701.2	10000	38.1156	94.8127	-845	PKC	2.3	0	8.1	-2	1.1	0	0.349	1	2.715	0	7.441	-1	1904	49	1.0
1701.3	10000	38.1156	94.8118	-848	PKC	2.3	0	8.1	-2	1.1	0	0.334	1	2.687	0	7.432	-1	1894	44	1.0
1701.4	10000	38.1156	94.8110	-851	PKC	2.3	0	8.1	-2	1.1	0	0.314	1	2.588	0	7.500	-1	1885	49	1.0
1701.5	10000	38.1156	94.8101	-854	PKC	2.3	0	8.1	-2	1.1	0	0.324	1	2.652	0	7.520	-1	1865	44	1.0
1701.6	10000	38.1155	94.8093	-857	PKC	2.3	0	8.1	-2	1.1	0	0.362	1	2.955	0	7.545	-1	1866	44	1.0
1701.7	10000	38.1155	94.8084	-860	PKC	2.3	0	8.1	-2	1.1	0	0.407	1	3.215	0	7.930	-1	1844	44	1.0
1701.8	10000	38.1155	94.8076	-862	PKC	2.3	0	8.1	-2	1.1	0	0.429	1	3.362	0	7.855	-1	1806	39	1.0
1701.9	10000	38.1155	94.8067	-865	PKC	2.3	0	8.1	-2	1.1	0	0.429	1	3.307	0	7.532	-1	1771	36	1.0
1702.0	10000	38.1155	94.8059	-867	PKC	2.3	0	8.1	-2	1.1	0	0.450	1	3.475	0	7.265	-1	1722	39	1.0
1702.1	10000	38.1155	94.8050	-870	PKC	2.3	0	8.1	-2	1.1	0	0.505	1	3.828	0	7.404	-1	1660	36	1.0
1702.2	10000	38.1155	94.8042	-872	PKC	2.3	0	8.1	-2	1.1	0	0.554	1	4.191	0	7.832	-1	1581	46	1.0
1702.3	10000	38.1155	94.8033	-874	PKC	2.3	0	8.1	-2	1.1	0	0.580	1	4.404	0	7.884	-1	1493	39	1.0
1702.4	10000	38.1155	94.8025	-876	PKC	2.3	0	8.1	-2	1.1	0	0.577	1	4.392	0	7.611	-1	1440	35	1.0
1702.5	10000	38.1155	94.8017	-879	PKC	2.3	0	8.1	-2	1.1	0	0.577	1	4.107	0	7.116	-1	1436	51	1.0

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
1702.6	10000	38.1155	94.8008	-881	PKC	3.0	0	4.3	-4	0.7	-3	0.699	4	4.611	2	6.594	-1	1468	48	0.9
1702.7	10000	38.1155	94.8000	-883	PKC	3.3	0	5.0	-3	0.7	-3	0.658	4	4.961	3	7.535	-1	1516	37	0.9
1702.8	10000	38.1154	94.7991	-885	PKC	3.6	1	5.5	-3	0.7	-2	0.655	4	5.070	3	7.738	0	1571	47	0.9
1702.9	10000	38.1154	94.7983	-887	PKC	3.6	1	5.8	-3	0.7	-2	0.617	3	4.944	3	8.012	0	1628	52	0.9
1703.0	10000	38.1154	94.7974	-889	PKC	4.1	1	6.5	-2	0.7	-2	0.625	3	5.451	4	8.724	0	1708	32	0.9
1703.1	10000	38.1154	94.7966	-890	PKC	4.3	2	6.6	-2	0.7	-2	0.650	4	5.802	4	8.920	0	1751	54	0.9
1703.2	10000	38.1154	94.7957	-892	PP	4.6	3	6.6	-2	0.8	-2	0.705	4	6.135	4	8.708	0	1766	51	0.9
1703.3	10000	38.1154	94.7949	-893	PP	4.5	2	7.0	-2	0.7	-2	0.644	3	6.073	4	9.429	1	1756	59	0.9
1703.4	10000	38.1154	94.7940	-894	PP	4.4	2	7.1	-2	0.7	-2	0.627	3	6.069	4	9.672	1	1745	44	0.9
1703.5	10000	38.1154	94.7932	-895	PP	4.3	2	7.0	-2	0.8	-2	0.613	3	5.581	4	9.098	1	1749	51	0.9
1703.6	10000	38.1154	94.7923	-895	PP	4.0	1	7.5	-1	0.8	-2	0.533	2	4.999	3	9.376	1	1776	51	0.9
1703.7	10000	38.1154	94.7915	-896	PP	3.9	1	7.4	-1	0.9	-2	0.529	2	4.571	2	8.635	0	1793	51	0.9
1703.8	10000	38.1153	94.7906	-896	PP	3.7	1	7.5	-1	0.9	-1	0.487	1	4.190	2	8.602	0	1807	37	0.9
1703.9	10000	38.1153	94.7898	-895	PP	3.3	0	7.7	-1	0.9	-1	0.433	1	3.628	1	8.372	0	1794	41	0.8
1704.0	10000	38.1153	94.7889	-894	PP	3.1	0	7.5	-1	0.9	-1	0.416	0	3.312	0	7.954	0	1793	44	0.8
1704.1	10000	38.1153	94.7881	-892	PP	2.9	-1	7.2	-1	1.0	-1	0.395	0	2.943	0	7.445	-1	1786	48	0.8
1704.2	10000	38.1153	94.7872	-891	PP	2.7	-1	7.6	-1	1.0	-1	0.351	0	2.731	0	7.791	0	1790	46	0.8
1704.3	10000	38.1153	94.7864	-889	PP	2.6	-1	7.5	-1	1.0	-1	0.344	0	2.566	-1	7.458	-1	1782	45	0.8
1704.4	10000	38.1153	94.7855	-887	PP	2.3	-2	7.7	-1	1.0	-1	0.304	-1	2.351	-1	7.740	0	1769	43	0.8
1704.5	10000	38.1153	94.7847	-885	PP	2.4	-2	8.0	-1	1.0	-1	0.298	-1	2.324	-1	7.805	0	1790	44	0.8
1704.6	10000	38.1153	94.7838	-883	PP	2.4	-2	8.2	-1	1.0	-1	0.289	-1	2.373	-1	8.216	0	1824	41	0.8
1704.7	10000	38.1153	94.7830	-880	PP	2.2	-2	8.4	-1	1.0	-1	0.266	-1	2.174	-1	8.182	0	1859	37	0.8
1704.8	10000	38.1153	94.7821	-877	PP	2.5	-2	8.9	0	1.1	0	0.275	-1	2.277	-1	8.286	0	1898	44	0.8
1704.9	10000	38.1152	94.7813	-874	PP	2.7	-1	8.8	0	1.2	0	0.305	-1	2.309	-1	7.568	-1	1932	43	0.8
1705.0	10000	38.1152	94.7804	-871	PP	2.9	-1	9.4	0	1.3	1	0.314	-1	2.311	-1	7.349	-1	1979	51	0.8
1705.1	10000	38.1152	94.7796	-868	PP	2.8	-1	9.3	0	1.3	1	0.296	-1	2.120	-1	7.157	-1	2019	41	0.8
1705.2	10000	38.1152	94.7787	-864	PP	2.7	-1	9.3	0	1.4	1	0.296	-1	2.007	-1	6.778	-1	2048	41	0.8
1705.3	10000	38.1152	94.7779	-861	PP	2.6	-1	9.7	0	1.4	2	0.270	-1	1.842	-2	6.829	-1	2075	45	0.8
1705.4	10000	38.1152	94.7771	-857	PP	2.8	-1	10.1	1	1.4	2	0.283	-1	1.973	-2	6.970	-1	2088	40	0.8
1705.5	10000	38.1152	94.7762	-854	PP	2.6	-1	10.0	1	1.4	2	0.257	-1	1.780	-2	6.929	-1	2085	36	0.8
1705.6	10000	38.1152	94.7754	-850	PP	2.7	-1	9.6	0	1.4	2	0.284	-1	1.934	-2	6.814	-1	2084	38	0.8
1705.7	10000	38.1152	94.7745	-847	PP	3.1	0	8.7	0	1.3	2	0.354	-1	2.400	-1	6.782	-1	2075	57	0.8
1705.8	10000	38.1152	94.7737	-843	PP	3.2	0	8.5	0	1.3	2	0.373	-1	2.493	-1	6.680	-1	2064	51	0.8
1705.9	10000	38.1152	94.7728	-840	PP	3.3	0	8.8	0	1.3	2	0.362	-1	2.551	-1	7.039	-1	2063	53	0.8
1706.0	10000	38.1152	94.7720	-836	PP	3.3	0	8.8	0	1.3	2	0.398	-1	2.618	-1	6.576	-1	2053	43	0.8
1706.1	10000	38.1151	94.7711	-832	PP	3.7	1	8.6	0	1.3	2	0.466	-1	2.958	-1	6.342	-1	2044	52	0.8
1706.2	10000	38.1151	94.7703	-830	PP	3.7	1	8.5	0	1.3	2	0.492	-1	2.947	-1	5.988	-2	2034	48	0.8
1706.3	10000	38.1151	94.7694	-826	PP	3.7	1	8.5	0	1.3	2	0.492	-1	2.955	-1	6.010	-2	1994	43	0.8
1706.4	10000	38.1151	94.7686	-823	PP	3.7	1	8.5	0	1.3	2	0.442	-1	2.592	-1	5.862	-2	1972	44	0.8
1706.5	10000	38.1151	94.7677	-821	PP	3.4	1	8.4	0	1.3	2	0.431	-1	2.587	-1	6.007	-2	1963	43	0.8
1706.6	10000	38.1151	94.7669	-818	PP	3.4	1	8.4	0	1.3	2	0.455	-1	2.630	-1	5.774	-2	1951	46	0.8
1706.7	10000	38.1151	94.7660	-816	PP	3.4	1	8.5	0	1.3	2	0.435	-1	2.652	-1	6.102	-2	1926	40	0.8
1706.8	10000	38.1151	94.7652	-814	PP	3.3	1	8.2	0	1.3	2	0.361	-1	2.255	-1	6.164	-2	1889	52	0.8
1706.9	10000	38.1151	94.7643	-812	PP	3.3	1	8.4	0	1.3	2	0.388	-1	2.356	-1	6.063	-2	1854	40	0.8
1707.0	10000	38.1151	94.7635	-811	PP	3.1	1	8.5	0	1.3	2	0.352	-2	1.979	-1	6.289	-2	1842	44	0.8
1707.1	10000	38.1151	94.7626	-810	PP	3.2	1	8.5	0	1.3	2	0.324	-1	2.023	-1	6.536	-1	1828	55	0.8
1707.2	10000	38.1150	94.7618	-809	PP	3.2	1	8.6	0	1.3	2	0.301	-1	2.023	-1	6.710	-1	1790	49	0.8
1707.3	10000	38.1150	94.7609	-809	PP	3.2	1	8.5	0	1.3	2	0.294	-1	2.052	-1	6.980	-1	1744	42	0.8
1707.4	10000	38.1150	94.7601	-810	PP	3.2	1	8.5	0	1.3	2	0.286	-1	1.952	-2	6.826	-1	1736	54	0.8
1707.5	10000	38.1150	94.7592	-810	PP	3.2	1	8.5	0	1.3	2	0.284	-1	2.077	-2	7.316	-1	1729	51	0.8
1707.6	10000	38.1150	94.7584	-810	PP	3.2	1	8.5	0	1.3	2	0.258	-1	1.978	-2	7.672	0	1746	45	0.8
1707.7	10000	38.1150	94.7575	-812	PP	3.2	1	8.5	0	1.3	2	0.309	-1	2.338	-1	7.558	-1	1782	45	0.8

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NIMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1707.8	10000	38.1150	94.7567	-812	PP	2.4	-2	8.3	-1	1.1	0	0.288	-1	2.149	-1	7.463	-1	1793	43	0.8
1707.9	10000	38.1150	94.7558	-812	PP	2.5	-2	8.3	-1	1.1	0	0.306	-1	2.240	-1	7.325	-1	1824	42	0.8
1708.0	10000	38.1150	94.7550	-813	PP	2.4	-2	8.5	0	1.2	0	0.286	-1	2.078	-1	7.254	-1	1859	43	0.8
1708.1	10000	38.1150	94.7542	-814	PP	2.7	-1	8.6	0	1.2	0	0.313	-1	2.252	-1	7.201	-1	1867	53	0.8
1708.2	10000	38.1149	94.7533	-814	PP	2.7	-1	8.3	-1	1.2	1	0.321	-1	2.216	-1	6.896	-1	1877	51	0.8
1708.3	10000	38.1149	94.7525	-814	PP	2.7	-1	8.2	-1	1.2	0	0.334	0	2.317	-1	6.927	-1	1887	47	0.8
1708.4	10000	38.1149	94.7516	-814	PP	2.8	-1	8.4	-1	1.2	1	0.332	0	2.326	-1	7.003	-1	1888	43	0.8
1708.5	10000	38.1149	94.7508	-814	PP	2.8	-1	8.6	0	1.2	1	0.326	-1	2.323	-1	7.126	-1	1899	50	0.8
1708.6	10000	38.1149	94.7499	-814	PP	2.8	-1	8.8	0	1.3	1	0.313	-1	2.167	-1	6.926	-1	1921	35	0.8
1708.7	10000	38.1149	94.7491	-814	PP	3.0	-1	8.7	0	1.3	1	0.348	0	2.326	-1	6.685	-1	1928	45	0.8
1708.8	10000	38.1149	94.7482	-814	PP	2.8	-1	8.9	0	1.2	1	0.320	-1	2.320	-1	7.255	-1	1938	48	0.8
1708.9	10000	38.1149	94.7474	-815	PP	3.2	0	9.0	0	1.2	1	0.355	0	2.607	-1	7.353	-1	1960	47	0.8
1709.0	10000	38.1149	94.7465	-815	PP	3.5	0	9.1	0	1.2	1	0.381	0	2.825	0	7.417	-1	1947	43	0.8
1709.1	10000	38.1149	94.7457	-816	PP	3.3	0	8.6	0	1.1	0	0.389	0	2.971	0	7.635	0	1920	51	0.8
1709.2	10000	38.1149	94.7448	-818	PP	3.2	0	8.5	0	1.0	0	0.379	0	3.133	0	8.267	0	1884	33	0.8
1709.3	10000	38.1149	94.7440	-819	PP	3.5	0	8.5	0	0.9	-1	0.413	1	3.910	1	9.462	1	1831	52	0.8
1709.4	10000	38.1148	94.7431	-821	PP	3.4	0	8.6	0	0.8	-2	0.393	1	4.306	2	10.947	2	1789	51	0.8
1709.5	10000	38.1148	94.7423	-823	PP	3.2	0	8.4	-1	0.8	-2	0.383	1	4.066	1	10.622	2	1748	47	0.8
1709.6	10000	38.1148	94.7414	-825	PP	3.1	0	8.3	-1	0.8	-2	0.373	1	3.982	1	10.666	2	1724	49	0.8
1709.7	10000	38.1148	94.7406	-827	PP	2.8	-1	8.4	-1	0.8	-2	0.332	1	3.624	1	10.906	2	1716	35	0.8
1709.8	10000	38.1148	94.7397	-829	PP	2.7	-1	8.5	0	0.8	-2	0.313	-1	3.531	1	11.272	2	1706	44	0.8
1709.9	10000	38.1148	94.7389	-831	PP	3.0	-1	8.5	0	0.7	-2	0.348	0	3.998	1	11.475	2	1713	49	0.8
1710.0	10000	38.1148	94.7380	-833	PP	2.7	-1	8.4	-1	0.8	-2	0.319	-1	3.382	0	10.610	2	1725	46	0.9
1710.1	10000	38.1148	94.7372	-834	PP	2.7	-1	8.4	-1	0.8	-2	0.323	-1	3.265	0	10.113	1	1726	46	0.9
1710.2	10000	38.1148	94.7363	-835	PP	2.9	-1	8.4	-1	0.8	-2	0.349	0	3.663	1	10.499	2	1745	52	0.9
1710.3	10000	38.1148	94.7355	-836	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.676	1	10.384	2	1755	43	0.9
1710.4	10000	38.1147	94.7346	-836	PP	2.9	-1	8.4	-1	0.8	-2	0.347	0	3.537	1	10.674	2	1769	49	0.9
1710.5	10000	38.1147	94.7338	-836	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.502	1	10.328	2	1798	47	0.9
1710.6	10000	38.1147	94.7329	-836	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.200	1	10.639	2	1841	50	0.9
1710.7	10000	38.1147	94.7321	-836	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.522	1	10.724	2	1884	54	0.9
1710.8	10000	38.1147	94.7312	-837	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.333	1	10.402	2	1940	55	0.9
1710.9	10000	38.1147	94.7304	-837	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.158	1	10.082	2	1977	50	0.9
1711.0	10000	38.1147	94.7296	-837	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.232	1	10.909	2	1988	50	0.9
1711.1	10000	38.1147	94.7287	-836	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.259	1	10.754	2	1988	49	0.9
1711.2	10000	38.1147	94.7279	-836	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.198	1	10.731	2	1976	46	0.9
1711.3	10000	38.1147	94.7270	-836	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.359	1	10.618	2	1922	56	0.9
1711.4	10000	38.1147	94.7262	-834	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.421	1	10.701	2	1877	42	0.9
1711.5	10000	38.1147	94.7254	-832	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.581	1	10.700	2	1836	45	0.9
1711.6	10000	38.1147	94.7245	-831	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.992	1	10.801	2	1795	37	0.9
1711.7	10000	38.1147	94.7237	-830	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.955	1	10.387	2	1787	44	0.9
1711.8	10000	38.1146	94.7228	-830	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.742	1	10.980	2	1785	47	0.9
1711.9	10000	38.1146	94.7220	-830	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.598	1	10.378	2	1798	52	0.9
1712.0	10000	38.1146	94.7212	-830	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.066	1	10.610	2	1830	51	0.9
1712.1	10000	38.1146	94.7203	-830	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.904	1	10.441	2	1842	47	0.9
1712.2	10000	38.1146	94.7195	-830	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.844	1	10.257	2	1834	51	0.9
1712.3	10000	38.1146	94.7186	-830	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.704	1	9.834	2	1838	51	0.9
1712.4	10000	38.1146	94.7178	-830	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.370	1	9.216	2	1831	50	0.9
1712.5	10000	38.1146	94.7170	-830	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.421	1	9.207	2	1819	48	0.9
1712.6	10000	38.1146	94.7161	-830	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.251	1	9.428	2	1793	32	0.9
1712.7	10000	38.1146	94.7153	-830	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.455	1	9.348	2	1772	53	0.9
1712.8	10000	38.1146	94.7144	-830	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.344	1	9.414	2	1761	37	0.9
1712.9	10000	38.1146	94.7136	-830	PP	2.9	-1	8.4	-1	0.8	-2	0.345	0	3.452	1	9.904	2	1753	48	1.2

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1713.0	10000	38.1146	94.7128	-813	PKC	2.5	-1	7.9	-1	0.9	-1	0.314	-1	2.616	-1	8.344	0	1742	48	1.2
1713.1	10000	38.1146	94.7119	-809	PKC	2.5	-1	8.0	-1	0.9	-1	0.308	-1	2.765	0	8.972	0	1739	48	1.2
1713.2	10000	38.1146	94.7111	-807	PKC	2.5	-1	8.3	-1	0.9	-2	0.305	-1	2.958	0	9.699	1	1757	52	1.2
1713.3	10000	38.1146	94.7103	-806	PKC	2.8	-1	8.5	-1	0.8	-2	0.327	0	3.314	0	10.124	1	1795	29	1.2
1713.4	10000	38.1146	94.7094	-806	PKC	2.0	-1	8.2	-1	0.9	-1	0.368	0	3.221	0	8.759	0	1850	47	1.2
1713.5	10000	38.1145	94.7086	-805	PKC	2.2	0	8.2	-1	1.0	-1	0.389	0	3.235	0	8.314	0	1907	36	1.3
1713.6	10000	38.1145	94.7077	-803	PKC	2.0	-1	8.5	-1	1.2	0	0.351	0	2.557	-1	7.288	-1	1991	49	1.3
1713.7	10000	38.1145	94.7069	-802	PKC	2.1	0	8.7	-1	1.2	0	0.363	0	2.564	-1	7.061	-1	2052	50	1.3
1713.8	10000	38.1145	94.7061	-800	PKC	2.1	0	8.9	0	1.3	1	0.350	0	2.396	-1	6.841	-1	2102	49	1.3
1713.9	10000	38.1145	94.7052	-799	PP	2.3	0	8.8	0	1.4	2	0.378	0	2.304	-1	6.090	-2	2156	48	1.3
1714.0	10000	38.1145	94.7044	-797	PP	2.4	0	8.6	0	1.5	2	0.399	0	2.267	-1	5.680	-2	2190	47	1.3
1714.1	10000	38.1145	94.7035	-795	PP	2.5	0	8.9	0	1.4	2	0.389	0	2.396	-1	6.158	-2	2193	42	1.3
1714.2	10000	38.1145	94.7027	-794	PP	2.4	0	9.0	0	1.5	2	0.382	0	2.308	-1	6.041	-2	2188	59	1.4
1714.3	10000	38.1145	94.7019	-793	PP	2.7	1	8.3	-1	1.4	1	0.454	1	2.766	0	6.099	-2	2149	47	1.4
1714.4	10000	38.1145	94.7010	-792	PP	2.7	1	8.1	-1	1.3	1	0.463	1	2.839	0	6.136	-2	2116	44	1.4
1714.5	10000	38.1145	94.7002	-792	PP	2.7	1	7.8	-1	1.2	1	0.473	1	3.020	0	6.381	-1	2072	50	1.4
1714.6	10000	38.1145	94.6993	-791	PP	2.6	1	7.6	-1	1.1	0	0.475	1	3.233	0	6.807	-1	1997	35	1.4
1714.7	10000	38.1145	94.6985	-791	PP	2.4	0	7.6	-1	1.0	0	0.453	1	3.289	0	7.268	-1	1925	38	1.4
1714.8	10000	38.1145	94.6977	-790	PP	2.1	0	7.7	-1	1.0	-1	0.410	1	3.257	0	7.952	0	1870	47	1.4
1714.9	10000	38.1145	94.6968	-789	PP	2.0	-1	7.7	-1	0.9	-2	0.384	1	3.478	1	9.049	1	1812	54	1.4
1715.0	10000	38.1145	94.6960	-788	PP	1.9	-1	7.9	-1	0.8	-2	0.369	1	3.625	1	9.837	1	1753	48	1.5
1715.1	10000	38.1145	94.6951	-786	PP	2.9	-1	7.5	-1	0.7	-2	0.393	2	4.234	2	10.775	2	1711	52	1.5
1715.2	10000	38.1145	94.6943	-785	PM	3.0	-1	7.7	-2	0.7	-3	0.388	2	4.524	2	11.662	2	1679	48	1.5
1715.3	10000	38.1145	94.6935	-784	PM	2.8	-1	7.9	-1	0.6	-3	0.356	2	4.399	2	12.368	3	1680	42	1.5
1715.4	10000	38.1144	94.6926	-782	PM	2.7	-1	7.8	-2	0.6	-3	0.345	2	4.281	2	12.403	3	1686	38	1.5
1715.5	10000	38.1144	94.6918	-781	PM	2.9	-1	7.2	-2	0.7	-3	0.406	2	4.298	2	10.583	1	1703	47	1.5
1715.6	10000	38.1144	94.6909	-779	PM	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1738	37	1.5
1715.7	10000	38.1144	94.6901	-777	PM	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1796	46	1.5
1715.8	10000	38.1144	94.6893	-775	PM	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1849	47	1.6
1715.9	10000	38.1144	94.6884	-771	PM	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1904	47	1.6
1716.0	10000	38.1144	94.6876	-768	PM	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1952	39	1.6
1716.1	10000	38.1144	94.6868	-765	PM	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1989	37	1.6
1716.2	10000	38.1144	94.6859	-761	PM	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	2004	45	1.6
1716.3	10000	38.1144	94.6851	-757	PM	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	2001	53	1.6
1716.4	10000	38.1144	94.6842	-753	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1998	49	1.6
1716.5	10000	38.1144	94.6834	-748	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1974	42	1.6
1716.6	10000	38.1144	94.6826	-743	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1966	41	1.6
1716.7	10000	38.1144	94.6817	-738	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1938	38	1.6
1716.8	10000	38.1144	94.6809	-733	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1914	32	1.6
1716.9	10000	38.1144	94.6800	-728	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1913	48	1.6
1717.0	10000	38.1144	94.6792	-723	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1930	36	1.6
1717.1	10000	38.1143	94.6784	-718	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1932	55	1.6
1717.2	10000	38.1143	94.6775	-714	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1959	53	1.6
1717.3	10000	38.1143	94.6767	-711	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1975	50	1.7
1717.4	10000	38.1143	94.6758	-707	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1986	53	1.7
1717.5	10000	38.1143	94.6750	-706	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1994	47	1.7
1717.6	10000	38.1143	94.6742	-704	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1993	37	1.7
1717.7	10000	38.1143	94.6733	-702	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1970	46	1.7
1717.8	10000	38.1143	94.6725	-701	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1953	47	1.7
1717.9	10000	38.1143	94.6716	-701	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1921	39	1.7
1718.0	10000	38.1143	94.6708	-701	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1886	41	1.7
1718.1	10000	38.1143	94.6700	-701	PP	2.9	-1	7.6	-2	0.7	-3	0.381	2	4.697	2	9.981	1	1877	39	1.7

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1718.2	10000	38.1143	94.6691	-702	PP	3.0	-1	8.4	-1	0.9	-1	0.352	0	3.405	1	9.672	1	1872	49	1.7
1718.3	10000	38.1143	94.6683	-703	PP	3.1	0	8.7	0	0.8	-2	0.361	0	3.718	1	10.299	2	1879	50	1.7
1718.4	10000	38.1143	94.6674	-705	PP	3.5	0	8.6	0	0.9	-2	0.402	0	4.040	1	10.046	1	1920	42	1.7
1718.5	10000	38.1143	94.6666	-706	PP	3.4	0	8.7	0	0.9	-1	0.390	0	3.618	1	9.237	1	1960	51	1.7
1718.6	10000	38.1143	94.6658	-709	PP	3.4	0	8.7	0	1.0	-1	0.396	0	3.362	0	8.492	0	2014	38	1.7
1718.7	10000	38.1143	94.6649	-711	PP	3.3	0	8.9	0	1.1	0	0.370	0	3.057	0	8.252	0	2073	40	1.7
1718.8	10000	38.1143	94.6641	-713	PP	3.5	0	8.8	0	1.1	0	0.392	0	3.191	0	8.137	0	2100	50	1.7
1718.9	10000	38.1143	94.6633	-715	PP	3.5	0	8.7	0	1.2	0	0.407	0	3.050	0	7.494	-1	2103	46	1.7
1719.0	10000	38.1142	94.6624	-717	PP	3.3	0	8.3	-1	1.2	0	0.394	0	2.814	0	7.150	-1	2078	46	1.7
1719.1	10000	38.1142	94.6616	-720	PP	3.1	0	8.5	0	1.1	0	0.365	0	2.744	0	7.513	-1	2040	45	1.7
1719.2	10000	38.1142	94.6607	-722	PP	3.4	0	8.6	0	1.1	0	0.395	0	3.206	0	8.112	0	2014	45	1.7
1719.3	10000	38.1142	94.6599	-723	PP	3.3	0	9.0	1	1.0	-1	0.368	0	3.375	0	9.170	1	1972	35	1.7
1719.4	10000	38.1142	94.6591	-725	PP	3.0	-1	8.8	-1	0.9	-1	0.337	0	3.139	0	9.325	1	1914	48	1.7
1719.5	10000	38.1142	94.6582	-726	PP	2.6	-1	9.2	-1	0.9	-1	0.279	-1	2.763	0	9.888	1	1869	49	1.7
1719.6	10000	38.1142	94.6574	-726	PP	2.3	-2	9.6	-1	0.9	-1	0.238	-1	2.624	-1	11.044	2	1862	38	1.7
1719.7	10000	38.1142	94.6565	-728	PP	2.2	-2	9.9	-1	0.9	-1	0.229	-2	2.432	-1	10.634	2	1879	55	1.7
1719.8	10000	38.1142	94.6557	-728	PP	2.2	-2	10.0	-1	0.9	-1	0.221	-2	2.433	-1	10.993	2	1881	39	1.7
1719.9	10000	38.1142	94.6549	-728	PM	2.0	-2	10.1	-1	0.9	-1	0.198	-2	2.207	-1	11.117	2	1878	40	1.7
1720.0	10000	38.1142	94.6540	-728	PM	2.0	-2	9.6	-1	0.9	-1	0.212	-2	2.202	-1	10.369	1	1891	45	1.7
1720.1	10000	38.1142	94.6532	-727	PM	2.3	-2	9.2	-1	0.9	-1	0.250	-2	2.449	-1	9.794	1	1913	53	1.7
1720.2	10000	38.1142	94.6523	-726	PM	2.5	-2	8.8	-1	1.0	-1	0.278	-1	2.485	-1	8.954	0	1929	46	1.7
1720.3	10000	38.1142	94.6515	-725	PM	2.7	-1	8.7	-1	1.0	0	0.309	-1	2.604	-1	8.431	0	1953	44	1.7
1720.4	10000	38.1142	94.6507	-723	PM	2.7	-1	8.3	-1	1.0	0	0.329	0	2.720	-1	8.264	0	1943	40	1.7
1720.5	10000	38.1142	94.6498	-722	PM	2.8	-1	8.1	-1	1.0	0	0.349	0	2.811	0	8.056	-1	1948	50	1.7
1720.6	10000	38.1141	94.6490	-720	PM	3.0	-1	7.7	-2	1.0	0	0.393	0	3.012	0	7.657	-1	1941	40	1.7
1720.7	10000	38.1141	94.6481	-718	PM	3.0	-1	7.7	-2	1.0	0	0.383	0	2.995	0	7.823	-1	1931	43	1.7
1720.8	10000	38.1141	94.6473	-718	PM	3.1	-1	8.0	-1	1.0	0	0.380	0	3.089	0	8.140	-1	1919	54	1.7
1720.9	10000	38.1141	94.6465	-718	PM	3.1	-1	8.1	-1	1.0	0	0.358	0	3.179	0	8.875	0	1927	61	1.7
1721.0	10000	38.1141	94.6456	-718	PM	3.1	0	8.1	-1	1.0	0	0.381	0	3.579	1	9.402	0	1913	47	1.7
1721.1	10000	38.1141	94.6448	-720	PM	3.1	0	8.0	-1	0.9	-1	0.386	0	3.715	1	9.617	1	1918	46	1.7
1721.2	10000	38.1141	94.6439	-723	PM	3.1	0	8.1	-1	0.9	-2	0.386	0	3.688	1	9.694	1	1943	44	1.7
1721.3	10000	38.1141	94.6431	-726	PM	3.1	0	8.1	-1	0.9	-1	0.380	0	3.645	1	9.183	1	1963	53	1.7
1721.4	10000	38.1141	94.6423	-730	PM	3.1	0	8.1	-1	0.9	-1	0.388	0	3.657	1	9.352	1	1984	64	1.7
1721.5	10000	38.1141	94.6414	-735	PM	3.1	0	8.1	-1	0.9	-1	0.382	0	3.509	1	9.777	1	2012	45	1.7
1721.6	10000	38.1141	94.6406	-742	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.515	1	9.407	1	2025	55	1.7
1721.7	10000	38.1141	94.6397	-748	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.263	0	9.155	1	2058	44	1.7
1721.8	10000	38.1141	94.6389	-756	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.418	0	9.357	1	2092	49	1.7
1721.9	10000	38.1141	94.6381	-763	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.575	0	9.207	1	2097	43	1.7
1722.0	10000	38.1141	94.6372	-770	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.592	0	9.213	1	2120	38	1.7
1722.1	10000	38.1141	94.6364	-777	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.606	0	9.213	1	2136	52	1.7
1722.2	10000	38.1141	94.6355	-784	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.624	0	9.213	1	2142	44	1.7
1722.3	10000	38.1140	94.6347	-790	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.695	0	9.213	1	2168	42	1.7
1722.4	10000	38.1140	94.6339	-796	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.647	0	9.213	1	2154	52	1.7
1722.5	10000	38.1140	94.6330	-801	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.688	0	9.213	1	2132	51	1.7
1722.6	10000	38.1140	94.6322	-805	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.688	0	9.213	1	2115	41	1.7
1722.7	10000	38.1140	94.6313	-808	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.688	0	9.213	1	2092	59	1.7
1722.8	10000	38.1140	94.6305	-811	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.688	0	9.213	1	2077	41	1.7
1722.9	10000	38.1140	94.6297	-813	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.688	0	9.213	1	2040	37	1.7
1723.0	10000	38.1140	94.6288	-815	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.688	0	9.213	1	2002	55	1.7
1723.1	10000	38.1140	94.6280	-817	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.688	0	9.213	1	1981	48	1.7
1723.2	10000	38.1140	94.6272	-818	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.688	0	9.213	1	1968	48	1.7
1723.3	10000	38.1140	94.6263	-819	PM	3.1	0	8.1	-1	0.9	-1	0.386	0	3.688	0	9.213	1	1968	48	1.7

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1723.4	10000	38.1140	94.6255	-821	PM	3.6	1	8.1	-1	0.8	-2	0.445	1	4.273	2	9.606	1	1954	50	1.6
1723.5	10000	38.1140	94.6246	-823	PM	3.4	0	7.7	-2	0.9	-1	0.440	1	3.968	1	9.026	0	1944	47	1.6
1723.6	10000	38.1140	94.6238	-825	PM	3.4	0	7.3	-2	0.8	-2	0.472	2	4.059	1	8.597	0	1928	52	1.6
1723.7	10000	38.1140	94.6230	-828	PM	3.4	0	7.5	-2	0.9	-1	0.450	2	3.736	1	8.303	0	1933	35	1.6
1723.8	10000	38.1139	94.6221	-831	PM	3.3	0	7.6	-2	0.9	-1	0.438	1	3.701	1	8.441	0	1945	50	1.6
1723.9	10000	38.1139	94.6213	-834	PM	3.6	1	7.9	-1	0.9	-1	0.455	2	4.159	2	9.137	0	1960	55	1.6
1724.0	10000	38.1139	94.6204	-837	PM	3.6	1	7.5	-2	0.9	-1	0.474	2	4.113	2	8.680	0	1965	60	1.6
1724.1	10000	38.1139	94.6196	-842	PM	3.6	1	7.9	-1	0.9	-1	0.450	2	4.122	2	9.152	0	1972	46	1.6
1724.2	10000	38.1139	94.6188	-846	PM	3.3	0	8.6	-1	0.9	-1	0.390	1	3.736	1	9.577	1	1990	53	1.6
1724.3	10000	38.1139	94.6179	-851	PM	3.2	0	8.9	0	0.9	-1	0.363	0	3.537	1	9.742	1	2012	56	1.6
1724.4	10000	38.1139	94.6171	-855	PM	3.2	0	9.4	0	0.9	-1	0.344	0	3.590	1	10.437	1	2036	40	1.6
1724.5	10000	38.1139	94.6162	-860	PM	3.1	0	9.5	0	0.9	-1	0.331	0	3.350	1	10.124	1	2045	39	1.6
1724.6	10000	38.1139	94.6154	-864	PM	2.9	-1	9.7	0	1.0	-1	0.297	-1	3.014	0	10.134	1	2042	44	1.6
1724.7	10000	38.1139	94.6146	-869	PM	2.6	-1	10.1	1	1.0	-1	0.260	-1	2.639	-1	10.137	1	2046	44	1.6
1724.8	10000	38.1139	94.6137	-874	PM	2.7	-1	10.2	1	1.0	0	0.264	-1	2.694	-1	10.197	1	2045	45	1.6
1724.9	10000	38.1139	94.6129	-878	PM	2.8	-1	10.0	1	0.9	-1	0.278	-1	2.978	0	10.702	1	2016	49	1.6
1725.0	10000	38.1139	94.6120	-883	PM	2.9	-1	10.0	1	0.9	-1	0.281	-1	3.292	0	11.697	2	1990	54	1.6
1725.1	10000	38.1139	94.6112	-888	PM	2.9	-1	9.7	0	0.9	-1	0.301	-1	3.409	0	11.337	2	1977	49	1.6
1725.2	10000	38.1139	94.6104	-892	PM	2.9	-1	9.6	0	0.8	-2	0.299	-1	3.500	1	11.723	2	1973	44	1.6
1725.3	10000	38.1139	94.6095	-897	PM	3.3	0	9.4	0	0.8	-2	0.346	0	4.010	1	11.600	2	1985	51	1.6
1725.4	10000	38.1139	94.6087	-901	PM	3.7	1	9.6	0	0.8	-2	0.385	1	4.694	2	12.187	2	1995	57	1.6
1725.5	10000	38.1138	94.6078	-905	PM	3.8	1	9.4	0	0.8	-2	0.401	1	4.702	2	11.729	2	1997	54	1.5
1725.6	10000	38.1138	94.6070	-909	PM	3.8	1	9.9	0	0.8	-2	0.388	1	4.684	2	12.061	2	2025	49	1.5
1725.7	10000	38.1138	94.6062	-913	PM	3.9	1	9.8	0	0.8	-2	0.392	1	4.635	2	11.816	2	2043	48	1.5
1725.8	10000	38.1138	94.6053	-917	PM	3.8	1	10.1	1	0.8	-2	0.382	0	4.605	2	12.069	2	2057	47	1.5
1725.9	10000	38.1138	94.6045	-920	PM	3.9	1	10.0	1	0.8	-2	0.387	1	4.774	3	12.344	3	2041	60	1.5
1726.0	10000	38.1138	94.6037	-924	PM	3.8	1	10.5	1	0.8	-2	0.362	0	4.503	2	12.431	3	2030	50	1.5
1726.1	10000	38.1138	94.6028	-927	PM	3.3	0	10.1	1	0.8	-2	0.338	0	4.909	3	11.577	2	2019	39	1.5
1726.2	10000	38.1138	94.6020	-930	PM	3.3	0	9.9	0	0.8	-2	0.334	0	4.839	3	11.478	2	2002	58	1.5
1726.3	10000	38.1138	94.6011	-933	PM	3.2	0	9.9	0	0.8	-2	0.341	0	4.690	3	10.830	2	1990	42	1.5
1726.4	10000	38.1138	94.6003	-936	PM	3.3	0	9.9	0	0.8	-2	0.344	0	4.453	3	10.050	2	1995	38	1.5
1726.5	10000	38.1138	94.5995	-938	PM	3.2	0	9.9	0	0.8	-2	0.351	0	4.408	3	9.718	2	1984	43	1.5
1726.6	10000	38.1138	94.5986	-940	PM	3.2	0	9.9	0	0.8	-2	0.372	0	4.324	3	9.923	2	2006	56	1.5
1726.7	10000	38.1138	94.5978	-943	PM	3.5	1	9.6	0	0.8	-2	0.369	0	4.197	3	9.658	2	2008	45	1.5
1726.8	10000	38.1138	94.5969	-944	PM	3.5	1	9.8	0	0.8	-2	0.390	0	4.651	3	9.364	2	2000	56	1.5
1726.9	10000	38.1137	94.5961	-946	PM	3.3	0	9.7	0	0.8	-2	0.405	1	4.564	3	9.808	2	1989	37	1.5
1727.0	10000	38.1137	94.5953	-948	PM	3.4	0	9.7	0	0.8	-2	0.425	1	4.570	3	9.396	2	1970	47	1.5
1727.1	10000	38.1137	94.5944	-949	PM	3.4	0	9.7	0	0.8	-2	0.450	1	4.717	3	9.265	2	1927	50	1.5
1727.2	10000	38.1137	94.5936	-950	PM	3.4	0	9.7	0	0.8	-2	0.442	1	4.785	3	9.570	2	1887	47	1.5
1727.3	10000	38.1137	94.5927	-951	PM	3.4	0	9.7	0	0.8	-2	0.418	0	4.843	3	9.184	2	1851	36	1.5
1727.4	10000	38.1137	94.5919	-952	PM	3.4	0	9.7	0	0.8	-2	0.430	1	4.552	3	9.256	2	1841	48	1.5
1727.5	10000	38.1137	94.5911	-953	PM	3.4	0	9.7	0	0.8	-2	0.395	0	4.213	3	9.137	2	1850	44	1.5
1727.6	10000	38.1137	94.5902	-954	PM	3.4	0	9.7	0	0.8	-2	0.393	0	4.535	3	9.992	2	1868	42	1.5
1727.7	10000	38.1137	94.5894	-955	PM	3.4	0	9.7	0	0.8	-2	0.389	0	4.569	3	9.178	2	1902	42	1.5
1727.8	10000	38.1137	94.5886	-956	PM	3.4	0	9.7	0	0.8	-2	0.376	0	4.666	3	9.738	2	1939	53	1.5
1727.9	10000	38.1137	94.5877	-956	PM	3.4	0	9.7	0	0.8	-2	0.360	0	4.689	3	9.130	2	1972	38	1.5
1728.0	10000	38.1137	94.5869	-956	PM	3.4	0	9.7	0	0.8	-2	0.349	0	4.538	3	9.712	2	1988	47	1.5
1728.1	10000	38.1137	94.5861	-956	PM	3.4	0	9.7	0	0.8	-2	0.334	0	4.197	3	9.990	2	1994	47	1.5
1728.2	10000	38.1137	94.5852	-954	PM	3.4	0	9.7	0	0.8	-2	0.290	0	3.689	3	9.581	2	1987	43	1.5
1728.3	10000	38.1137	94.5844	-953	PM	3.4	0	9.7	0	0.8	-2	0.284	0	3.496	3	9.275	2	1986	59	1.5
1728.4	10000	38.1137	94.5836	-953	PM	3.4	0	9.7	0	0.8	-2	0.256	0	3.171	3	8.801	2	1981	44	1.5
1728.5	10000	38.1137	94.5827	-952	PM	3.4	0	9.7	0	0.8	-2	0.256	0	3.171	3	8.478	2	1980	51	1.5

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1728.6	10000	38.1137	94.5819	-950	PM	2.5	-2	9.4	0	1.2	1	0.261	-1	2.128	-2	8.149	-1	1988	46	1.5
1728.7	10000	38.1137	94.5811	-949	PM	2.6	-1	9.6	0	1.2	1	0.269	-1	2.194	-1	8.150	-1	2004	54	1.5
1728.8	10000	38.1137	94.5802	-947	PM	2.8	-1	9.3	0	1.2	1	0.296	-1	2.219	-1	7.494	-1	2012	49	1.5
1728.9	10000	38.1137	94.5794	-944	PM	2.5	-1	9.1	0	1.2	1	0.277	-1	2.043	-2	7.388	-1	2013	42	1.5
1729.0	10000	38.1137	94.5786	-941	PM	2.5	-1	9.2	0	1.3	1	0.277	-1	2.005	-2	7.237	-1	2030	54	1.5
1729.1	10000	38.1137	94.5777	-939	PM	2.8	-1	9.2	0	1.2	1	0.301	-1	2.228	-1	7.413	-1	2040	41	1.5
1729.2	10000	38.1137	94.5769	-936	PM	2.8	-1	9.3	0	1.3	1	0.302	-1	2.256	-1	7.462	-1	2062	50	1.5
1729.3	10000	38.1137	94.5761	-934	PM	2.9	-1	9.5	0	1.2	1	0.306	-1	2.440	-1	7.961	-1	2067	56	1.5
1729.4	10000	38.1137	94.5752	-932	PM	3.1	0	9.4	0	1.2	1	0.331	0	2.616	-1	7.898	-1	2064	45	1.5
1729.5	10000	38.1137	94.5744	-932	PM	3.2	0	9.5	0	1.1	0	0.334	0	2.839	0	8.495	0	2062	44	1.5
1729.6	10000	38.1137	94.5736	-932	PM	3.4	0	9.5	0	1.1	0	0.361	0	2.998	0	8.305	0	2058	55	1.5
1729.7	10000	38.1138	94.5727	-932	PM	3.3	0	9.6	0	1.1	0	0.344	0	2.991	0	8.690	0	2049	57	1.5
1729.8	10000	38.1137	94.5719	-933	PM	3.0	-1	10.0	1	1.1	0	0.295	-1	2.704	-1	9.167	0	2039	42	1.5
1729.9	10000	38.1137	94.5711	-934	PM	2.7	-1	9.9	1	1.1	0	0.277	-1	2.574	-1	9.309	0	2006	53	1.5
1730.0	10000	38.1137	94.5702	-938	PM	2.8	-1	9.9	0	1.0	0	0.281	-1	2.692	-1	9.567	1	1993	36	1.5
1730.1	10000	38.1137	94.5694	-942	PM	2.6	-1	9.8	0	1.0	0	0.264	-1	2.529	-1	9.584	1	1976	54	1.5
1730.2	10000	38.1138	94.5686	-946	PM	2.2	-2	9.7	1	1.1	0	0.230	-2	2.007	-2	8.731	0	1978	49	1.5
1730.3	10000	38.1137	94.5677	-950	PM	2.1	-2	9.9	1	1.2	1	0.208	-2	1.735	-2	8.328	0	2020	46	1.5
1730.4	10000	38.1138	94.5669	-954	PM	2.1	-2	9.8	0	1.3	1	0.210	-2	1.616	-2	7.706	-1	2043	48	1.5
1730.5	10000	38.1138	94.5661	-958	PM	2.2	-2	9.2	0	1.4	2	0.238	-2	1.618	-2	6.787	-1	2043	55	1.5
1730.6	10000	38.1137	94.5652	-961	PM	2.5	-1	9.0	0	1.4	2	0.284	-1	1.860	-2	6.556	-2	2046	44	1.6
1730.7	10000	38.1138	94.5644	-965	PM	2.5	-1	8.6	-1	1.4	2	0.291	-1	1.807	-2	6.201	-2	2025	49	1.6
1730.8	10000	38.1138	94.5636	-968	PM	2.4	-2	8.4	-1	1.4	2	0.288	-1	1.747	-2	6.060	-2	2016	54	1.6
1730.9	10000	38.1138	94.5627	-971	PM	2.5	-2	8.8	-1	1.4	2	0.308	-1	1.825	-2	5.918	-2	1998	42	1.6
1731.0	10000	38.1138	94.5619	-974	PM	2.5	-2	8.1	-1	1.3	1	0.305	-1	1.955	-2	6.409	-2	1976	48	1.6
1731.1	10000	38.1138	94.5611	-976	PM	2.7	-1	8.1	-1	1.2	1	0.333	0	2.213	-1	6.647	-2	1973	48	1.6
1731.2	10000	38.1138	94.5602	-979	PM	2.9	-1	8.8	-1	1.2	1	0.349	0	2.497	-1	7.158	-1	1993	54	1.6
1731.3	10000	38.1138	94.5594	-980	PM	2.8	-1	8.8	-1	1.2	1	0.323	0	2.318	-1	7.172	-1	2036	45	1.6
1731.4	10000	38.1138	94.5586	-982	PM	3.0	-1	8.8	-1	1.2	1	0.329	0	2.484	-1	7.557	-1	2084	32	1.6
1731.5	10000	38.1138	94.5577	-983	PM	3.1	-1	8.8	-1	1.2	1	0.325	0	2.557	-1	7.871	-1	2133	47	1.6
1731.6	10000	38.1138	94.5569	-984	PM	3.5	-1	8.8	-1	1.2	1	0.328	0	2.733	-1	8.329	-1	2156	49	1.6
1731.7	10000	38.1138	94.5561	-985	PM	3.9	-1	8.8	-1	1.2	1	0.319	0	2.615	-1	8.203	-1	2148	51	1.6
1731.8	10000	38.1138	94.5552	-985	PM	3.7	-1	8.8	-1	1.2	1	0.321	0	2.573	-1	8.004	-1	2127	34	1.6
1731.9	10000	38.1138	94.5544	-986	PM	4.0	-1	8.8	-1	1.2	1	0.284	0	2.365	-1	8.317	-1	2092	42	1.6
1732.0	10000	38.1138	94.5536	-987	PM	4.2	-1	8.8	-1	1.1	1	0.283	0	2.506	-1	8.840	-1	2048	45	1.7
1732.1	10000	38.1138	94.5527	-987	PM	4.5	-1	8.8	-1	1.1	1	0.264	0	2.310	-1	8.750	-1	2016	37	1.7
1732.2	10000	38.1138	94.5519	-987	PM	4.5	-1	8.8	-1	1.1	1	0.285	0	2.465	-1	8.651	-1	1994	42	1.7
1732.3	10000	38.1138	94.5511	-987	PM	4.6	-1	8.8	-1	1.1	1	0.279	0	2.441	-1	8.739	-1	1974	61	1.7
1732.4	10000	38.1138	94.5502	-987	PM	4.7	-1	8.8	-1	1.1	1	0.298	0	2.659	-1	8.583	-1	1971	48	1.7
1732.5	10000	38.1138	94.5494	-986	PM	4.5	-1	8.8	-1	1.1	1	0.287	0	2.574	-1	8.107	-1	1967	39	1.7
1732.6	10000	38.1138	94.5486	-986	PM	4.5	-1	8.8	-1	1.1	1	0.294	0	2.574	-1	8.416	-1	1964	44	1.7
1732.7	10000	38.1138	94.5477	-986	PM	4.5	-1	8.8	-1	1.1	1	0.297	0	2.574	-1	8.786	-1	1966	44	1.7
1732.8	10000	38.1138	94.5469	-985	PM	4.3	-1	8.8	-1	1.1	1	0.295	0	2.574	-1	8.255	-1	1972	46	1.7
1732.9	10000	38.1138	94.5461	-985	PM	4.3	-1	8.8	-1	1.1	1	0.258	0	2.574	-1	7.758	-1	1964	43	1.7
1733.0	10000	38.1138	94.5452	-984	PM	4.1	-1	8.8	-1	1.1	1	0.237	0	2.574	-2	7.675	-1	1970	46	1.7
1733.1	10000	38.1138	94.5444	-984	PM	4.2	-1	8.8	-1	1.1	1	0.232	0	2.574	-2	7.956	-1	1972	41	1.7
1733.2	10000	38.1138	94.5436	-983	PM	4.2	-1	8.8	-1	1.1	1	0.238	0	2.574	-2	8.098	-1	1979	42	1.7
1733.3	10000	38.1138	94.5427	-982	PM	4.2	-1	8.8	-1	1.1	1	0.265	0	2.574	-2	8.011	-1	2000	45	1.8
1733.4	10000	38.1138	94.5419	-981	PM	4.2	-1	8.8	-1	1.1	1	0.296	0	2.574	-2	8.354	-1	2003	46	1.8
1733.5	10000	38.1138	94.5411	-981	PM	4.2	-1	8.8	-1	1.1	1	0.309	0	2.574	-2	8.832	-1	2014	42	1.8
1733.6	10000	38.1138	94.5402	-980	PM	4.2	-1	8.8	-1	1.1	1	0.344	0	2.574	-2	8.041	-1	2007	47	1.8
1733.7	10000	38.1138	94.5394	-979	PM	4.2	-1	8.8	-1	1.1	1	0.344	0	2.574	-2	7.997	-1	2015	55	1.8

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FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1733.8	10000	38.1138	94.5386	-978	PM	2.8	-1	9.0	0	1.1	0	0.312	-1	2.528	-1	8.114	-1	2018	43	1.8
1733.9	10000	38.1138	94.5377	-976	PM	2.7	-1	8.8	-1	1.2	1	0.304	-1	2.274	-1	7.481	-1	2023	32	1.8
1734.0	10000	38.1138	94.5369	-975	PM	2.3	-2	8.7	-1	1.2	1	0.260	-1	1.822	-2	7.013	-1	2028	50	1.8
1734.1	10000	38.1138	94.5361	-975	PM	2.5	-2	8.7	-1	1.3	1	0.289	-1	1.976	-2	6.830	-1	2031	47	1.8
1734.2	10000	38.1138	94.5352	-974	PM	2.4	-2	9.1	0	1.2	1	0.258	-2	1.968	-2	7.636	-1	2004	43	1.8
1734.3	10000	38.1138	94.5344	-973	PM	2.6	-1	9.1	0	1.2	1	0.284	-1	2.199	-1	7.741	-1	2007	44	1.8
1734.4	10000	38.1138	94.5336	-972	PM	2.5	-1	8.7	-1	1.2	1	0.293	-1	2.196	-1	7.492	-1	1998	34	1.8
1734.5	10000	38.1138	94.5327	-971	PM	2.7	-1	8.3	-1	1.1	0	0.319	-1	2.392	-1	7.505	-1	1987	37	1.8
1734.6	10000	38.1138	94.5319	-970	PM	2.7	-1	8.3	-1	1.1	0	0.326	0	2.485	-1	7.616	-1	1971	43	1.8
1734.7	10000	38.1138	94.5311	-969	PM	2.9	-1	8.1	-1	1.1	0	0.355	0	2.670	-1	7.516	-1	1961	52	1.8
1734.8	10000	38.1138	94.5302	-967	PM	2.7	-1	8.3	-1	1.1	0	0.326	0	2.568	-1	7.883	-1	1948	42	1.8
1734.9	10000	38.1138	94.5294	-966	PM	2.8	-1	8.0	-1	1.1	0	0.345	0	2.513	-1	7.276	-1	1953	52	1.8
1735.0	10000	38.1138	94.5286	-964	PM	2.6	-1	8.2	-1	1.1	0	0.323	0	2.403	-1	7.434	-1	1929	49	1.8
1735.1	10000	38.1138	94.5277	-963	PM	2.7	-1	8.1	-1	1.1	0	0.331	0	2.517	-1	7.612	-1	1874	49	1.8
1735.2	10000	38.1138	94.5269	-961	PM	2.7	-1	7.7	-2	1.1	0	0.351	0	2.560	-1	7.297	-1	1825	53	1.8
1735.3	10000	38.1138	94.5261	-959	PM	2.6	-1	7.8	-2	1.0	0	0.330	0	2.536	-1	7.689	-1	1812	55	1.9
1735.4	10000	38.1138	94.5252	-958	PM	2.5	-2	7.8	-2	1.0	-1	0.318	-1	2.523	-1	7.935	-1	1813	46	1.9
1735.5	10000	38.1138	94.5244	-956	PM	2.4	-2	7.8	-2	1.1	0	0.307	-1	2.275	-1	7.413	-1	1841	44	1.9
1735.6	10000	38.1138	94.5236	-954	PM	2.6	-1	8.1	-1	1.1	0	0.316	-1	2.373	-1	7.510	-1	1887	41	1.9
1735.7	10000	38.1138	94.5227	-951	PM	2.7	-1	8.7	-1	1.2	1	0.315	-1	2.338	-1	7.414	-1	1947	42	1.9
1735.8	10000	38.1138	94.5219	-948	PM	2.7	-1	8.9	0	1.2	1	0.298	-1	2.233	-1	7.490	-1	2024	33	1.9
1735.9	10000	38.1138	94.5211	-945	PM	2.6	-1	9.5	0	1.2	1	0.269	-1	2.055	-2	7.654	-1	2100	42	1.9
1736.0	10000	38.1138	94.5202	-942	PM	3.0	-1	9.6	0	1.3	1	0.312	-1	2.309	-1	7.402	-1	2134	47	1.9
1736.1	10000	38.1138	94.5194	-939	PM	3.0	0	9.6	0	1.3	1	0.316	-1	2.420	-1	7.658	-1	2123	44	1.9
1736.2	10000	38.1138	94.5186	-935	PM	3.3	0	9.4	0	1.2	1	0.349	0	2.787	0	7.986	-1	2107	43	1.9
1736.3	10000	38.1138	94.5177	-933	PM	3.0	0	9.2	0	1.2	1	0.328	0	2.445	-1	8.507	0	2056	43	1.9
1736.4	10000	38.1138	94.5169	-929	PM	3.2	0	9.1	0	1.2	1	0.352	0	2.352	-1	8.428	0	2010	50	1.9
1736.5	10000	38.1138	94.5161	-926	PM	3.0	0	9.1	0	1.2	1	0.327	0	2.218	-1	8.217	0	1990	50	1.9
1736.6	10000	38.1138	94.5152	-923	PM	3.0	0	9.1	0	1.2	1	0.327	0	2.289	-1	8.043	-1	1960	47	1.9
1736.7	10000	38.1138	94.5144	-921	PM	2.8	-1	8.9	-1	1.2	1	0.307	-1	2.147	-1	8.531	0	1950	43	1.9
1736.8	10000	38.1138	94.5136	-918	PM	2.8	-1	8.9	-1	1.2	1	0.307	-1	2.073	-2	8.226	-1	1963	52	1.9
1736.9	10000	38.1138	94.5127	-915	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	1.638	-2	7.924	-1	1970	46	1.9
1737.0	10000	38.1138	94.5119	-913	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.064	-2	7.726	-1	2010	48	1.9
1737.1	10000	38.1138	94.5111	-912	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.106	-2	7.808	-1	2042	56	1.9
1737.2	10000	38.1138	94.5102	-910	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.113	-2	7.723	-1	2077	42	1.9
1737.3	10000	38.1138	94.5094	-909	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.307	-2	7.835	-1	2106	48	1.9
1737.4	10000	38.1138	94.5086	-909	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.300	-1	7.160	-1	2139	41	1.9
1737.5	10000	38.1138	94.5077	-908	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.299	-1	7.246	-1	2167	52	1.9
1737.6	10000	38.1138	94.5069	-907	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.709	-1	7.051	-1	2195	50	1.9
1737.7	10000	38.1138	94.5061	-908	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.563	-1	7.017	-1	2210	46	1.9
1737.8	10000	38.1138	94.5052	-909	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.676	-1	7.220	-1	2244	58	1.9
1737.9	10000	38.1138	94.5044	-909	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.174	0	7.326	-1	2275	43	1.9
1738.0	10000	38.1138	94.5036	-910	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	3.058	0	7.294	-1	2294	51	1.9
1738.1	10000	38.1138	94.5027	-911	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	3.032	0	7.540	-1	2302	88	1.9
1738.2	10000	38.1138	94.5019	-912	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.857	-1	7.560	-1	2308	40	1.9
1738.3	10000	38.1138	94.5011	-913	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.609	-1	7.711	-1	2337	59	1.9
1738.4	10000	38.1138	94.5002	-915	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.688	-1	7.691	-1	2350	46	1.9
1738.5	10000	38.1138	94.4994	-917	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.648	-1	7.598	-1	2347	42	1.9
1738.6	10000	38.1138	94.4986	-918	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.389	-1	7.686	-1	2343	53	1.9
1738.7	10000	38.1138	94.4977	-920	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.385	-1	7.584	-1	2336	46	1.9
1738.8	10000	38.1138	94.4969	-922	PM	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.510	-1	8.073	-1	2307	53	1.9
1738.9	10000	38.1138	94.4961	-923	PM	3.2	0	9.2	0	1.3	1	0.304	-1	2.495	-1	8.194	0	2287	46	1.9

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1739.0	10000	38.1138	94.4952	-925	PM	3.0	-1	10.5	1	1.2	1	0.289	-1	2.509	-1	8.676	0	2243	48	1.9
1739.1	10000	38.1138	94.4944	-926	PM	2.7	-1	9.9	0	1.1	0	0.275	-1	2.385	-1	8.661	0	2210	41	1.9
1739.2	10000	38.1138	94.4936	-926	PM	2.8	-1	10.2	1	1.1	0	0.279	-1	2.592	-1	9.282	0	2179	42	1.9
1739.3	10000	38.1138	94.4927	-927	PM	2.9	-1	10.1	1	1.0	0	0.291	-1	2.832	0	9.722	1	2138	40	1.9
1739.4	10000	38.1138	94.4919	-927	PM	3.0	0	10.3	1	1.0	-1	0.294	-1	3.040	0	10.351	1	2120	47	1.8
1739.5	10000	38.1138	94.4911	-927	PM	3.0	-1	10.2	1	1.0	0	0.290	-1	2.897	0	9.985	1	2118	48	1.9
1739.6	10000	38.1138	94.4902	-927	PM	3.3	0	9.8	1	1.0	0	0.333	0	3.224	0	9.695	1	2109	45	1.8
1739.7	10000	38.1138	94.4894	-927	PM	3.3	0	9.5	1	1.0	-1	0.348	0	3.364	0	9.658	1	2115	51	1.8
1739.8	10000	38.1138	94.4886	-926	PM	3.4	0	9.5	1	1.0	-1	0.360	0	3.479	1	9.656	1	2110	51	1.8
1739.9	10000	38.1138	94.4877	-926	PM	3.4	0	9.3	1	1.0	-1	0.367	0	3.455	1	9.419	0	2122	45	1.8
1740.0	10000	38.1138	94.4869	-925	PM	3.4	0	9.9	0	1.1	0	0.341	0	3.067	0	8.994	0	2140	63	1.8
1740.1	10000	38.1138	94.4861	-925	PM	3.1	0	9.8	1	1.1	-1	0.321	-1	2.806	0	8.749	0	2146	57	1.8
1740.2	10000	38.1138	94.4852	-924	PM	3.2	0	9.7	1	1.1	0	0.326	0	2.827	0	8.660	0	2153	42	1.8
1740.3	10000	38.1138	94.4844	-923	PM	3.1	0	9.8	1	1.1	-1	0.319	-1	2.756	-1	8.626	0	2170	65	1.8
1740.4	10000	38.1138	94.4836	-923	PM	3.2	0	9.6	1	1.2	0	0.337	0	2.800	0	8.305	0	2164	45	1.8
1740.5	10000	38.1138	94.4827	-921	PM	3.5	0	9.6	1	1.2	1	0.367	0	2.958	0	8.055	-1	2194	51	1.8
1740.6	10000	38.1138	94.4819	-921	PM	3.4	0	9.3	1	1.2	0	0.364	0	2.773	-1	7.612	-1	2204	38	1.8
1740.7	10000	38.1138	94.4811	-920	PM	3.4	0	8.8	0	1.1	1	0.388	1	2.981	0	7.680	-1	2194	43	1.8
1740.8	10000	38.1138	94.4802	-917	PM	3.4	0	9.0	1	1.2	0	0.379	0	2.962	0	7.821	-1	2211	48	1.8
1740.9	10000	38.1138	94.4794	-915	PM	3.6	1	8.9	1	1.2	1	0.410	1	3.159	0	7.709	-1	2223	45	1.8
1741.0	10000	38.1138	94.4786	-914	PM	3.6	1	9.1	1	1.1	0	0.396	0	3.284	0	8.288	0	2241	55	1.8
1741.1	10000	38.1138	94.4777	-911	PM	4.0	1	9.3	1	1.1	1	0.431	1	3.630	1	8.430	0	2269	42	1.8
1741.2	10000	38.1138	94.4769	-909	PM	4.0	1	9.3	1	1.1	1	0.435	1	3.673	1	8.449	0	2264	54	1.8
1741.3	10000	38.1138	94.4761	-908	PM	4.2	2	9.2	1	1.1	1	0.452	2	3.874	1	8.579	0	2245	38	1.8
1741.4	10000	38.1138	94.4752	-906	PM	4.1	1	8.8	0	1.1	1	0.464	2	3.774	1	8.128	-1	2229	44	1.8
1741.5	10000	38.1138	94.4744	-903	PM	4.1	2	8.6	0	1.1	1	0.482	2	3.716	1	7.706	-1	2219	51	1.8
1741.6	10000	38.1138	94.4736	-901	PM	4.0	1	8.9	0	1.1	1	0.447	2	3.667	1	8.195	0	2189	59	1.8
1741.7	10000	38.1138	94.4727	-899	PM	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2153	44	1.8
1741.8	10000	38.1138	94.4719	-896	PM	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2128	37	1.8
1741.9	10000	38.1138	94.4711	-894	PM	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2092	49	1.8
1742.0	10000	38.1138	94.4702	-891	PM	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2088	57	1.8
1742.1	10000	38.1138	94.4694	-888	PM	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2090	30	1.8
1742.2	10000	38.1138	94.4686	-886	PM	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2081	44	1.8
1742.3	10000	38.1138	94.4677	-883	PM	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2091	49	1.8
1742.4	10000	38.1138	94.4669	-880	PM	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2084	45	1.8
1742.5	10000	38.1138	94.4661	-878	PP	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2092	38	1.8
1742.6	10000	38.1138	94.4652	-875	PP	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2107	46	1.8
1742.7	10000	38.1138	94.4644	-872	PP	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2124	58	1.8
1742.8	10000	38.1138	94.4636	-869	PP	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2145	49	1.8
1742.9	10000	38.1138	94.4628	-865	PP	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2162	46	1.8
1743.0	10000	38.1138	94.4620	-863	PP	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2173	50	1.8
1743.1	10000	38.1138	94.4612	-861	PP	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2168	43	1.8
1743.2	10000	38.1138	94.4603	-858	PP	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2117	43	1.8
1743.3	10000	38.1138	94.4595	-855	PP	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2090	47	1.8
1743.4	10000	38.1138	94.4587	-851	PP	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2052	39	1.8
1743.5	10000	38.1138	94.4579	-847	PP	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2024	52	1.8
1743.6	10000	38.1138	94.4571	-844	PP	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	2001	48	1.8
1743.7	10000	38.1138	94.4563	-839	PP	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	1985	54	1.8
1743.8	10000	38.1138	94.4555	-835	PP	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	1981	42	1.8
1743.9	10000	38.1138	94.4547	-831	PP	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	1969	46	1.8
1744.0	10000	38.1138	94.4539	-827	PP	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	1908	46	1.8
1744.1	10000	38.1138	94.4531	-823	PM	3.8	1	8.8	0	1.1	1	0.431	1	3.342	0	7.754	-1	1843	47	1.8

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1744.2	10000	38.1138	94.4523	-818	PM	2.2	-2	6.4	-3	1.2	1	0.340	0	1.759	-2	5.170	-3	1760	46	1.7
1744.3	10000	38.1138	94.4515	-814	PM	2.3	-2	6.4	-3	1.1	0	0.356	0	2.157	-1	6.053	-2	1671	52	1.7
1744.4	10000	38.1138	94.4507	-810	PM	2.3	-2	6.1	-3	0.9	-1	0.374	0	2.405	-1	6.430	-2	1578	60	1.7
1744.5	10000	38.1138	94.4499	-806	PM	2.0	-2	6.1	-3	0.9	-1	0.333	0	2.359	-1	7.083	-1	1511	41	1.7
1744.6	10000	38.1138	94.4491	-802	PM	1.9	-3	5.8	-4	0.8	-2	0.334	0	2.446	-1	7.323	-1	1493	38	1.7
1744.7	10000	38.1138	94.4483	-798	PM	1.9	-3	6.0	-3	0.8	-2	0.322	0	2.405	-1	7.474	-1	1506	49	1.6
1744.8	10000	38.1137	94.4475	-795	PM	2.1	-2	6.0	-3	0.8	-2	0.350	0	2.512	-1	7.187	-1	1523	43	1.6
1744.9	10000	38.1137	94.4467	-791	PM	2.0	-2	6.3	-3	0.9	-1	0.317	-1	2.322	-1	7.320	-1	1563	48	1.6
1745.0	10000	38.1137	94.4459	-787	PM	2.2	-2	6.4	-3	0.9	-1	0.334	0	2.342	-1	7.013	-1	1624	44	1.6
1745.1	10000	38.1137	94.4451	-783	PM	2.5	-1	6.5	-3	1.0	-1	0.390	1	2.653	-1	6.807	-1	1687	51	1.6
1745.2	10000	38.1137	94.4443	-780	PM	2.6	-1	6.7	-3	1.0	-1	0.386	1	2.665	-1	6.912	-1	1732	38	1.6
1745.3	10000	38.1137	94.4435	-777	PM	2.7	-1	7.0	-2	1.0	-1	0.391	1	2.751	-1	7.042	-1	1755	37	1.6
1745.4	10000	38.1137	94.4426	-774	PM	2.9	-1	7.0	-2	1.0	-1	0.417	1	2.957	0	7.084	-1	1790	53	1.6
1745.5	10000	38.1137	94.4418	-771	PM	2.8	-1	7.5	-2	1.0	-1	0.375	1	2.831	0	7.547	-1	1814	53	1.6
1745.6	10000	38.1137	94.4410	-768	PM	3.0	-1	7.5	-2	1.1	0	0.394	1	2.703	-1	6.864	-1	1856	45	1.6
1745.7	10000	38.1137	94.4402	-765	PM	2.8	-1	7.5	-2	1.1	0	0.376	0	2.603	-1	6.914	-1	1855	47	1.6
1745.8	10000	38.1137	94.4394	-763	PM	2.4	-2	7.7	-2	1.1	0	0.319	-1	2.271	-1	7.113	-1	1856	49	1.6
1745.9	10000	38.1137	94.4386	-760	PM	2.6	-1	7.7	-2	1.1	0	0.339	0	2.454	-1	7.240	-1	1857	54	1.6
1746.0	10000	38.1137	94.4378	-758	PM	2.5	-2	8.1	-1	1.0	0	0.310	-1	2.444	-1	7.895	-1	1857	40	1.5
1746.1	10000	38.1137	94.4370	-756	PM	2.5	-2	8.3	-1	1.0	-1	0.300	-1	2.532	-1	8.448	0	1861	37	1.5
1746.2	10000	38.1137	94.4362	-753	PM	2.6	-1	8.1	-1	1.0	-1	0.327	0	2.687	-1	8.219	0	1875	41	1.5
1746.3	10000	38.1137	94.4354	-751	PM	2.8	-1	8.1	-1	0.9	-1	0.340	0	3.121	0	9.174	0	1858	46	1.5
1746.4	10000	38.1137	94.4346	-749	PM	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.173	0	9.670	1	1864	45	1.5
1746.5	10000	38.1137	94.4338	-748	PM	3.2	0	8.7	-1	0.8	-2	0.364	0	3.760	1	10.339	1	1867	59	1.5
1746.6	10000	38.1137	94.4330	-745	PM	3.1	0	9.0	0	0.8	-2	0.346	0	3.797	1	10.959	2	1871	47	1.5
1746.7	10000	38.1137	94.4322	-742	PM	3.0	0	8.6	-1	0.8	-2	0.354	0	3.681	1	10.405	1	1900	50	1.5
1746.8	10000	38.1137	94.4314	-740	PM	3.2	0	8.8	-1	0.9	-1	0.365	0	3.727	1	10.212	1	1920	49	1.5
1746.9	10000	38.1137	94.4306	-740	PM	3.0	0	8.8	-1	0.8	-2	0.341	0	3.664	1	10.736	1	1910	53	1.5
1747.0	10000	38.1137	94.4298	-739	PM	3.0	0	8.9	-1	0.8	-2	0.339	0	3.611	1	10.651	1	1924	53	1.4
1747.1	10000	38.1137	94.4290	-738	PM	2.9	0	8.9	-1	0.8	-2	0.314	0	3.206	1	10.195	1	1915	50	1.4
1747.2	10000	38.1137	94.4282	-738	PM	2.7	-1	8.9	-1	0.8	-2	0.299	0	3.826	1	9.458	1	1914	49	1.4
1747.3	10000	38.1136	94.4274	-737	PM	2.6	-1	9.0	-1	0.8	-2	0.287	0	3.660	1	9.271	1	1908	58	1.4
1747.4	10000	38.1136	94.4266	-736	PM	2.5	-1	9.0	-1	0.8	-2	0.281	0	3.588	1	9.225	1	1878	42	1.4
1747.5	10000	38.1136	94.4258	-735	PM	2.5	-1	9.0	-1	0.8	-2	0.251	0	3.355	1	9.372	1	1862	48	1.4
1747.6	10000	38.1136	94.4249	-734	PM	2.4	-1	9.0	-1	0.8	-2	0.273	0	3.435	1	8.904	1	1888	42	1.4
1747.7	10000	38.1136	94.4241	-733	PM	2.2	-2	9.0	-1	0.8	-2	0.245	0	3.319	1	9.451	1	1881	41	1.4
1747.8	10000	38.1136	94.4233	-732	PM	2.2	-2	9.0	-1	0.8	-2	0.279	0	3.787	1	9.987	1	1909	51	1.4
1747.9	10000	38.1136	94.4225	-731	PM	2.4	-2	9.0	-1	0.8	-2	0.255	0	3.747	1	9.788	1	1921	40	1.4
1748.0	10000	38.1136	94.4217	-731	PM	2.5	-1	9.0	-1	0.8	-2	0.267	0	3.767	1	9.374	1	1964	52	1.4
1748.1	10000	38.1136	94.4209	-732	PM	2.6	-1	9.0	-1	0.8	-2	0.269	0	3.794	1	9.388	1	2004	49	1.4
1748.2	10000	38.1136	94.4201	-732	PM	2.7	-1	9.0	-1	0.8	-2	0.273	0	3.695	1	9.859	1	2037	46	1.4
1748.3	10000	38.1136	94.4193	-732	PM	2.7	-1	9.0	-1	0.8	-2	0.254	0	3.577	1	9.128	1	2042	55	1.4
1748.4	10000	38.1136	94.4185	-733	PM	2.7	-1	9.0	-1	0.8	-2	0.286	0	3.649	1	9.270	1	2056	49	1.4
1748.5	10000	38.1136	94.4177	-733	PM	2.7	-1	9.0	-1	0.8	-2	0.280	0	3.624	1	9.376	1	2050	33	1.4
1748.6	10000	38.1136	94.4169	-734	PM	2.7	-1	9.0	-1	0.8	-2	0.314	0	3.724	1	9.665	1	2065	58	1.4
1748.7	10000	38.1136	94.4161	-735	PM	2.7	-1	9.0	-1	0.8	-2	0.308	0	3.789	1	9.765	1	2050	42	1.4
1748.8	10000	38.1136	94.4153	-737	PM	2.7	-1	9.0	-1	0.8	-2	0.343	0	3.998	1	9.745	1	2048	48	1.4
1748.9	10000	38.1136	94.4145	-738	PM	2.7	-1	9.0	-1	0.8	-2	0.376	0	4.204	1	9.533	1	2034	42	1.4
1749.0	10000	38.1136	94.4137	-739	PC	2.7	-1	9.0	-1	0.8	-2	0.430	0	4.593	1	9.348	1	2041	52	1.4
1749.1	10000	38.1136	94.4129	-741	PC	2.7	-1	9.0	-1	0.8	-2	0.441	0	4.636	1	9.250	1	2037	52	1.4
1749.2	10000	38.1136	94.4121	-743	PC	2.7	-1	9.0	-1	0.8	-2	0.466	0	4.676	1	9.088	1	2020	42	1.4
1749.3	10000	38.1136	94.4113	-745	PC	2.7	-1	9.0	-1	0.8	-2	0.476	0	4.519	1	7.399	1	2010	33	1.3

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1749.4	10000	38.1136	94.4105	-746	PC	3.9	1	8.1	-1	1.1	0	0.480	2	3.680	1	7.670	-1	2002	48	1.3
1749.5	10000	38.1136	94.4097	-748	PC	3.8	1	7.9	-1	1.1	0	0.483	2	3.505	1	7.252	-1	1980	35	1.3
1749.6	10000	38.1136	94.4089	-749	PC	3.8	1	7.7	-1	1.1	0	0.487	2	3.524	1	7.244	-1	1967	37	1.3
1749.7	10000	38.1136	94.4081	-751	PC	3.6	0	7.8	-1	1.1	0	0.456	1	3.266	0	7.162	-1	1965	40	1.3
1749.8	10000	38.1135	94.4072	-752	PC	3.5	0	8.1	-1	1.1	0	0.436	1	3.259	0	7.471	-1	1981	48	1.3
1749.9	10000	38.1135	94.4064	-752	PC	3.5	0	8.2	-1	1.1	0	0.432	1	3.264	0	7.557	-1	2022	42	1.3
1750.0	10000	38.1135	94.4056	-752	PC	3.7	1	8.3	-1	1.0	0	0.448	1	3.693	1	8.236	0	2045	48	1.3
1750.1	10000	38.1135	94.4048	-754	PC	3.9	1	9.0	0	1.0	0	0.432	1	3.850	1	8.911	0	2082	55	1.3
1750.2	10000	38.1135	94.4040	-754	PC	4.0	1	9.4	0	1.0	-1	0.426	1	4.197	2	9.852	1	2106	36	1.3
1750.3	10000	38.1135	94.4032	-755	PC	4.0	1	9.7	0	0.9	-1	0.417	1	4.269	2	10.250	1	2122	44	1.3
1750.4	10000	38.1135	94.4024	-756	PC	4.0	1	9.6	0	0.9	-1	0.420	1	4.332	2	10.326	1	2118	35	1.3
1750.5	10000	38.1135	94.4016	-756	PC	3.9	1	9.6	0	0.9	-1	0.410	1	4.379	2	10.682	1	2102	47	1.3
1750.6	10000	38.1135	94.4008	-757	PC	3.8	1	9.3	0	0.9	-1	0.410	1	4.336	2	10.585	1	2084	44	1.3
1750.7	10000	38.1135	94.4000	-757	PC	3.9	1	9.4	0	0.9	-1	0.413	1	4.320	2	10.458	1	2052	30	1.3
1750.8	10000	38.1135	94.3992	-758	PC	3.7	1	9.0	0	0.9	-1	0.408	1	3.942	1	9.654	1	1996	44	1.3
1750.9	10000	38.1135	94.3984	-758	PC	3.7	1	8.6	-1	1.0	-1	0.433	1	3.887	1	8.984	0	1968	39	1.3
1751.0	10000	38.1135	94.3976	-759	PC	3.7	1	8.6	-1	0.9	-1	0.424	1	3.898	1	9.203	0	1956	49	1.3
1751.1	10000	38.1135	94.3968	-760	PC	3.5	0	8.9	0	0.9	-1	0.395	1	3.741	1	9.470	0	1949	32	1.3
1751.2	10000	38.1135	94.3960	-761	PC	3.5	0	8.8	0	1.0	0	0.396	1	3.565	1	8.999	0	1947	42	1.3
1751.3	10000	38.1135	94.3952	-762	PC	3.7	1	9.0	0	1.0	0	0.409	1	3.721	1	9.093	0	1947	49	1.3
1751.4	10000	38.1135	94.3944	-763	PC	3.4	0	8.9	0	1.0	0	0.377	0	3.293	0	8.727	0	1958	46	1.3
1751.5	10000	38.1135	94.3936	-765	PC	3.5	0	8.8	0	1.0	0	0.399	1	3.543	1	8.874	0	1994	48	1.3
1751.6	10000	38.1135	94.3928	-766	PC	3.5	0	8.8	0	1.0	0	0.403	1	3.563	1	8.838	0	2012	43	1.3
1751.7	10000	38.1135	94.3920	-768	PC	3.5	0	9.0	0	1.0	0	0.396	1	3.585	1	9.045	0	2029	39	1.4
1751.8	10000	38.1135	94.3911	-770	PC	3.6	1	8.8	0	1.0	-1	0.413	1	3.790	1	9.178	0	2037	53	1.4
1751.9	10000	38.1135	94.3904	-771	PC	3.8	1	8.7	0	0.9	-1	0.441	1	4.120	1	9.332	0	2037	46	1.4
1752.0	10000	38.1135	94.3895	-773	PC	3.8	1	8.5	1	0.8	-1	0.451	1	4.055	1	8.989	0	2040	56	1.4
1752.1	10000	38.1135	94.3887	-776	PC	3.9	1	8.3	1	0.8	-1	0.473	1	4.367	2	9.240	0	2040	26	1.4
1752.2	10000	38.1134	94.3879	-779	PC	3.8	1	8.1	1	0.8	-1	0.483	1	4.411	2	9.139	0	2026	53	1.4
1752.3	10000	38.1135	94.3871	-782	PC	3.9	1	8.2	1	0.8	-1	0.463	1	4.421	2	9.539	0	2036	38	1.4
1752.4	10000	38.1134	94.3863	-785	PC	4.0	1	8.3	1	0.8	-1	0.501	1	4.584	2	9.153	0	2039	56	1.4
1752.5	10000	38.1134	94.3855	-789	PC	4.0	1	8.5	1	0.8	-1	0.533	1	4.690	2	9.798	0	2042	47	1.5
1752.6	10000	38.1134	94.3847	-793	PC	4.0	1	8.6	1	0.8	-1	0.533	1	4.609	2	9.649	0	2051	39	1.5
1752.7	10000	38.1134	94.3839	-797	PC	4.0	1	8.8	1	0.8	-1	0.540	1	4.761	2	9.809	0	2055	53	1.5
1752.8	10000	38.1134	94.3831	-802	PC	4.0	1	8.8	1	0.8	-1	0.548	1	4.952	2	9.031	0	2064	48	1.5
1752.9	10000	38.1134	94.3823	-807	PC	4.0	1	8.8	1	0.8	-1	0.556	1	4.647	2	9.363	0	2082	53	1.5
1753.0	10000	38.1134	94.3815	-812	PC	4.0	1	8.8	1	0.8	-1	0.547	1	4.458	2	9.152	0	2082	44	1.5
1753.1	10000	38.1134	94.3807	-818	PC	4.0	1	8.8	1	0.8	-1	0.518	1	4.117	2	8.945	0	2062	35	1.5
1753.2	10000	38.1134	94.3799	-823	PC	4.0	1	8.8	1	0.8	-1	0.494	1	3.931	2	7.956	-1	2067	36	1.5
1753.3	10000	38.1134	94.3791	-828	PC	4.0	1	8.8	1	0.8	-1	0.512	1	4.106	2	8.027	-1	2078	42	1.6
1753.4	10000	38.1134	94.3783	-834	PC	4.0	1	8.8	1	0.8	-1	0.494	1	4.041	2	8.186	0	2088	37	1.6
1753.5	10000	38.1134	94.3775	-840	PC	4.0	1	8.8	1	0.8	-1	0.482	1	3.946	2	8.181	0	2097	58	1.6
1753.6	10000	38.1134	94.3767	-845	PC	4.0	1	8.8	1	0.8	-1	0.472	1	4.202	2	8.906	0	2124	51	1.6
1753.7	10000	38.1134	94.3759	-850	PC	4.0	1	8.8	1	0.8	-1	0.495	1	4.492	2	8.078	0	2146	42	1.6
1753.8	10000	38.1134	94.3751	-856	PC	4.0	1	8.8	1	0.8	-1	0.539	1	4.631	2	8.595	0	2198	46	1.7
1753.9	10000	38.1134	94.3743	-861	PC	4.0	1	8.8	1	0.8	-1	0.502	1	4.392	2	7.755	0	2209	45	1.7
1754.0	10000	38.1134	94.3734	-866	PC	4.0	1	8.8	1	0.8	-1	0.488	1	4.184	2	7.663	0	2224	39	1.7
1754.1	10000	38.1134	94.3727	-869	PC	4.0	1	8.8	1	0.8	-1	0.445	1	3.993	2	7.266	0	2236	39	1.7
1754.2	10000	38.1134	94.3718	-872	PC	4.0	1	8.8	1	0.8	-1	0.450	1	3.843	2	7.095	0	2244	43	1.7
1754.3	10000	38.1134	94.3710	-875	PC	4.0	1	8.8	1	0.8	-1	0.450	1	3.646	2	7.401	-1	2232	33	1.7
1754.4	10000	38.1134	94.3702	-877	PC	4.0	1	8.8	1	0.8	-1	0.450	1	3.646	2	7.401	-1	2224	37	1.8
1754.5	10000	38.1134	94.3694	-878	PC	3.7	1	8.1	-1	1.1	0	0.480	2	3.680	1	7.670	-1	2205	57	1.8

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1754.6	10000	38.1134	94.3686	-878	PC	3.8	1	8.6	-1	1.2	0	0.440	1	3.213	0	7.298	-1	2208	51	1.8
1754.7	10000	38.1133	94.3678	-877	PC	3.7	1	8.6	-1	1.2	1	0.424	1	2.983	0	7.038	-1	2211	45	1.8
1754.8	10000	38.1133	94.3670	-876	PC	3.7	1	8.5	-1	1.2	0	0.433	1	3.060	0	7.064	-1	2211	46	1.8
1754.9	10000	38.1133	94.3662	-873	PC	3.4	0	8.3	-1	1.3	1	0.413	1	2.751	0	6.662	-1	2216	53	1.9
1755.0	10000	38.1133	94.3654	-869	PC	3.5	1	8.3	-1	1.2	1	0.423	1	2.818	0	6.668	-1	2216	47	1.9
1755.1	10000	38.1133	94.3646	-865	PC	3.2	1	8.0	-1	1.2	1	0.405	1	2.615	-1	6.460	-2	2224	50	1.9
1755.2	10000	38.1133	94.3638	-860	PC	3.4	0	8.0	-1	1.2	0	0.427	1	2.947	0	6.899	-1	2221	44	1.9
1755.3	10000	38.1133	94.3630	-855	PC	3.3	0	8.3	-1	1.1	0	0.393	1	2.857	0	7.263	-1	2219	61	2.0
1755.4	10000	38.1133	94.3622	-850	PC	3.2	0	8.2	-1	1.1	0	0.385	0	2.914	0	7.579	-1	2196	52	2.0
1755.5	10000	38.1133	94.3614	-846	PC	2.9	0	8.4	-1	1.1	0	0.349	0	2.663	0	7.627	-1	2179	70	2.0
1755.6	10000	38.1133	94.3606	-841	PC	3.2	0	8.1	-1	1.0	0	0.398	1	3.191	0	8.021	0	2153	59	2.0
1755.7	10000	38.1133	94.3598	-838	PC	3.3	0	8.3	-1	1.0	0	0.396	1	3.253	0	8.206	0	2126	57	2.0
1755.8	10000	38.1133	94.3590	-835	PC	3.2	0	8.2	-1	1.0	0	0.393	1	3.178	0	8.076	0	2101	45	2.1
1755.9	10000	38.1133	94.3582	-833	PC	2.9	0	8.2	-1	1.1	0	0.356	0	2.586	-1	7.257	-1	2107	55	2.1
1756.0	10000	38.1133	94.3574	-831	PC	2.9	0	8.2	-1	1.2	0	0.348	0	2.467	-1	7.090	-1	2100	45	2.1
1756.1	10000	38.1133	94.3566	-830	PC	2.9	1	8.3	-1	1.2	1	0.345	0	2.346	-1	6.800	-1	2087	66	2.1
1756.2	10000	38.1133	94.3557	-830	PC	2.8	1	8.2	-1	1.2	1	0.337	0	2.284	-1	6.780	-1	2070	48	2.1
1756.3	10000	38.1133	94.3549	-831	PC	2.6	1	8.2	-1	1.2	1	0.321	0	2.147	-1	6.696	-1	2052	36	2.2
1756.4	10000	38.1133	94.3541	-833	PC	2.5	1	7.8	-1	1.2	0	0.315	0	2.113	-1	6.713	-1	2024	48	2.2
1756.5	10000	38.1133	94.3533	-835	PC	2.7	1	7.9	-1	1.1	0	0.335	0	2.350	-1	7.024	-1	1993	58	2.2
1756.6	10000	38.1133	94.3525	-837	PC	2.6	1	7.8	-1	1.0	0	0.333	0	2.545	-1	7.635	-1	1957	59	2.2
1756.7	10000	38.1133	94.3517	-841	PC	2.6	1	7.7	-1	1.0	0	0.334	0	2.641	-1	7.899	-1	1939	39	2.3
1756.8	10000	38.1133	94.3509	-844	PC	2.7	1	7.3	-2	0.9	-1	0.369	0	2.942	0	7.975	-1	1941	46	2.3
1756.9	10000	38.1133	94.3501	-847	PC	2.9	0	7.1	-2	0.9	-1	0.401	1	3.174	0	7.918	-1	1940	48	2.3
1757.0	10000	38.1132	94.3493	-851	PC	3.0	0	7.2	-2	0.9	-1	0.421	1	3.545	1	8.422	0	1946	45	2.3
1757.1	10000	38.1132	94.3485	-855	PC	3.2	0	7.4	-1	0.8	-1	0.433	1	3.804	1	8.786	0	1952	51	2.3
1757.2	10000	38.1132	94.3477	-859	PC	3.1	0	7.4	-2	0.8	-1	0.415	1	3.622	1	8.723	0	1974	40	2.3
1757.3	10000	38.1132	94.3469	-863	PC	3.2	0	7.1	-2	0.9	-1	0.455	1	3.727	1	8.198	0	1984	51	2.4
1757.4	10000	38.1132	94.3461	-868	PC	3.5	0	7.1	-2	0.9	-1	0.496	2	4.053	1	8.164	0	1983	51	2.4
1757.5	10000	38.1132	94.3453	-873	PC	3.4	0	7.0	-1	0.9	-1	0.485	1	3.716	1	7.658	-1	1998	43	2.4
1757.6	10000	38.1132	94.3445	-876	PC	3.3	0	7.1	-1	0.9	-1	0.470	1	3.524	1	7.503	-1	2024	44	2.4
1757.7	10000	38.1132	94.3437	-879	PC	3.3	0	7.0	-1	0.9	-1	0.486	1	3.446	1	7.086	-1	2052	38	2.4
1757.8	10000	38.1132	94.3429	-883	PC	3.3	0	6.8	-1	0.9	-1	0.488	1	3.214	1	6.587	-1	2085	44	2.5
1757.9	10000	38.1132	94.3421	-887	PC	3.6	0	7.1	-1	0.9	-1	0.504	1	3.315	1	6.584	-2	2119	59	2.5
1758.0	10000	38.1132	94.3413	-891	PC	3.7	0	7.0	-1	0.9	-1	0.521	1	3.321	1	6.369	-2	2149	51	2.5
1758.1	10000	38.1132	94.3405	-894	PC	3.7	0	6.8	-1	0.9	-1	0.544	1	3.242	1	5.959	-2	2172	48	2.5
1758.2	10000	38.1132	94.3397	-897	PC	3.6	0	6.7	-1	0.9	-1	0.496	1	3.363	1	6.781	-1	2185	48	2.5
1758.3	10000	38.1131	94.3389	-901	PC	3.5	0	6.7	-1	0.9	-1	0.498	1	3.420	1	6.874	-1	2193	43	2.6
1758.4	10000	38.1131	94.3381	-904	PC	3.5	0	6.6	-1	0.9	-1	0.453	1	3.154	1	6.960	-1	2197	51	2.6
1758.5	10000	38.1131	94.3372	-907	PC	3.3	0	6.5	-1	0.9	-1	0.413	1	3.040	1	7.353	-1	2200	45	2.6
1758.6	10000	38.1131	94.3364	-910	PC	3.0	0	6.3	-1	0.8	-1	0.372	1	2.669	1	7.181	-1	2212	45	2.6
1758.7	10000	38.1131	94.3356	-913	PC	2.8	0	6.0	-1	0.8	-1	0.333	1	2.389	1	7.179	-1	2232	50	2.6
1758.8	10000	38.1131	94.3348	-916	PC	2.8	0	5.8	-1	0.8	-1	0.318	1	2.272	1	7.141	-1	2277	45	2.6
1758.9	10000	38.1131	94.3340	-918	PC	2.8	0	5.8	-1	0.8	-1	0.306	1	2.274	1	7.775	-1	2312	45	2.6
1759.0	10000	38.1131	94.3332	-921	PC	2.8	0	5.8	-1	0.8	-1	0.296	1	2.045	1	6.707	-1	2348	56	2.7
1759.1	10000	38.1131	94.3324	-924	PC	2.8	0	5.8	-1	0.8	-1	0.287	1	2.023	1	6.831	-1	2386	47	2.7
1759.2	10000	38.1131	94.3316	-927	PC	2.8	0	5.8	-1	0.8	-1	0.291	1	2.901	1	6.635	-1	2434	45	2.7
1759.3	10000	38.1130	94.3308	-930	PC	2.8	0	5.8	-1	0.8	-1	0.308	1	2.937	1	6.651	-1	2462	46	2.7
1759.4	10000	38.1130	94.3300	-933	PC	2.8	0	5.8	-1	0.8	-1	0.302	1	2.091	1	6.796	-1	2486	48	2.7
1759.5	10000	38.1130	94.3292	-936	PC	2.8	0	5.8	-1	0.8	-1	0.382	1	2.782	1	6.910	-1	2479	35	2.7
1759.6	10000	38.1130	94.3284	-938	PC	2.8	0	5.8	-1	0.8	-1	0.374	1	2.778	1	7.272	-1	2462	35	2.7
1759.7	10000	38.1130	94.3276	-941	PC	2.9	0	5.8	-1	0.8	-1	0.374	1	3.036	1	8.125	0	2437	53	2.7

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1759.8	10000	38.1130	94.3[illegible]	-943	PC	3.8	1	9.8	0	1.2	0	0.384	0	3.169	0	8.257	0	2384	56	2.7
1759.9	10000	38.1130	94.32[illegible]	-946	PC	3.9	1	9.4	0	1.2	0	0.414	1	3.394	0	8.206	0	2347	30	2.7
1760.0	10000	38.1130	94.3252	-948	PC	3.8	1	9.2	0	1.1	0	0.415	1	3.405	0	8.208	0	2292	41	2.7
1760.1	10000	38.1130	94.3244	-950	PC	3.5	1	8.8	0	1.1	0	0.400	1	3.349	0	8.362	0	2234	48	2.7
1760.2	10000	38.1130	94.3236	-951	PC	3.1	0	8.6	0	1.0	0	0.364	0	3.029	0	8.312	0	2184	40	2.7
1760.3	10000	38.1130	94.3228	-951	PC	2.7	-1	8.5	-1	1.0	0	0.319	0	2.584	-1	8.106	0	2148	40	2.7
1760.4	10000	38.1130	94.3220	-947	PC	2.6	-1	8.3	-1	1.1	0	0.310	0	2.292	-1	7.386	-1	2131	47	2.7
1760.5	10000	38.1129	94.3212	-944	PC	2.8	0	8.4	-1	1.1	0	0.339	0	2.490	-1	7.345	-1	2149	51	2.7
1760.6	10000	38.1129	94.3204	-951	PC	2.7	-1	8.2	-1	1.1	0	0.330	0	2.400	-1	7.272	-1	2152	42	2.7
1760.7	10000	38.1129	94.3196	-955	PC	2.6	-1	8.8	0	1.1	0	0.297	-1	2.308	-1	7.762	-1	2161	53	2.7
1760.8	10000	38.1129	94.3188	-956	PC	2.6	-1	8.7	0	1.2	0	0.295	-1	2.197	-1	7.454	-1	2183	50	2.7
1760.9	10000	38.1129	94.3180	-956	PC	2.5	-1	9.0	0	1.2	0	0.280	-1	2.146	-1	7.677	-1	2206	49	2.7
1761.0	10000	38.1129	94.3172	-956	PC	2.6	-1	9.0	1	1.2	0	0.295	-1	2.146	-1	7.270	-1	2236	46	2.7
1761.1	10000	38.1129	94.3163	-956	PC	2.6	-1	9.1	1	1.3	0	0.292	-1	2.141	-1	7.342	-1	2248	48	2.7
1761.2	10000	38.1129	94.3156	-956	PC	2.2	-1	9.5	1	1.3	0	0.246	-1	1.790	-2	7.277	-1	2252	40	2.7
1761.3	10000	38.1129	94.3147	-956	PC	2.2	-1	9.5	1	1.3	0	0.234	-1	1.743	-2	7.464	-1	2250	45	2.7
1761.4	10000	38.1129	94.3139	-955	PC	2.4	-1	9.1	1	1.3	0	0.274	-1	1.888	-1	6.887	-1	2250	35	2.7
1761.5	10000	38.1129	94.3131	-955	PC	2.3	-1	9.1	1	1.3	0	0.257	-1	1.797	-2	6.988	-1	2247	52	2.7
1761.6	10000	38.1128	94.3123	-955	PC	2.4	-1	9.1	1	1.3	0	0.263	-1	1.814	-2	6.896	-1	2244	40	2.7
1761.7	10000	38.1128	94.3115	-954	PC	2.2	-1	9.4	1	1.3	0	0.233	-1	1.701	-2	7.311	-1	2227	42	2.7
1761.8	10000	38.1128	94.3107	-953	PC	2.1	-1	9.5	1	1.3	0	0.226	-1	1.669	-2	7.375	-1	2206	52	2.7
1761.9	10000	38.1128	94.3099	-952	PC	2.4	-1	9.6	1	1.3	0	0.254	-1	1.915	-1	7.540	-1	2197	44	2.7
1762.0	10000	38.1128	94.3091	-950	PC	2.3	-1	9.4	1	1.3	0	0.249	-1	1.786	-2	7.173	-1	2190	48	2.7
1762.1	10000	38.1128	94.3083	-950	PC	2.2	-1	9.2	1	1.3	0	0.242	-1	1.758	-2	7.253	-1	2171	37	2.7
1762.2	10000	38.1128	94.3075	-949	PC	2.4	-1	9.2	1	1.2	0	0.262	-1	1.975	-1	7.542	-1	2142	49	2.7
1762.3	10000	38.1128	94.3067	-949	PC	2.4	-1	8.8	1	1.2	0	0.272	-1	2.046	-1	7.534	-1	2093	47	2.7
1762.4	10000	38.1128	94.3059	-948	PC	2.3	-1	8.4	-1	1.1	0	0.278	-1	2.078	-1	7.477	-1	2050	59	2.7
1762.5	10000	38.1128	94.3051	-948	PC	2.4	-1	8.1	-1	1.1	0	0.292	-1	2.131	-1	7.303	-1	2036	40	2.6
1762.6	10000	38.1127	94.3043	-948	PC	2.4	-1	7.7	-1	1.1	0	0.312	0	2.256	-1	7.225	-1	2031	41	2.6
1762.7	10000	38.1127	94.3035	-947	PC	2.6	-1	7.5	-1	1.0	0	0.339	0	2.537	-1	7.483	-1	2023	57	2.6
1762.8	10000	38.1127	94.3027	-948	PC	2.8	-1	7.8	-1	1.1	0	0.337	0	2.558	-1	7.584	-1	2040	36	2.6
1762.9	10000	38.1127	94.3019	-948	PC	2.8	-1	7.8	-1	1.1	0	0.358	0	2.567	-1	7.166	-1	2063	52	2.6
1763.0	10000	38.1127	94.3011	-949	PC	3.0	-1	7.6	-1	1.1	0	0.367	0	2.464	-1	6.706	-1	2117	39	2.6
1763.1	10000	38.1127	94.3003	-950	PC	3.0	-1	7.7	-1	1.2	0	0.404	0	2.607	-1	6.446	-2	2168	63	2.6
1763.2	10000	38.1127	94.2995	-951	PC	3.0	-1	7.8	-1	1.2	0	0.409	0	2.793	-1	6.821	-1	2205	48	2.6
1763.3	10000	38.1127	94.2987	-952	PC	3.0	-1	8.0	-1	1.2	0	0.371	0	2.419	-1	6.516	-2	2207	43	2.6
1763.4	10000	38.1127	94.2979	-953	PC	3.0	-1	8.1	-1	1.2	0	0.364	0	2.394	-1	6.574	-1	2221	59	2.5
1763.5	10000	38.1127	94.2971	-954	PC	3.0	-1	8.2	-1	1.2	0	0.356	0	2.452	-1	6.886	-1	2214	34	2.5
1763.6	10000	38.1127	94.2962	-955	PC	3.0	-1	8.2	-1	1.2	0	0.364	0	2.560	-1	7.035	-1	2208	41	2.5
1763.7	10000	38.1126	94.2955	-957	PC	3.0	-1	8.2	-1	1.2	0	0.332	0	2.504	-1	7.532	-1	2203	45	2.5
1763.8	10000	38.1126	94.2946	-958	PC	3.0	-1	8.2	-1	1.2	0	0.303	0	2.415	-1	7.964	-1	2189	53	2.5
1763.9	10000	38.1126	94.2938	-960	PC	3.0	-1	8.2	-1	1.2	0	0.285	0	2.127	-1	7.526	-1	2195	41	2.5
1764.0	10000	38.1126	94.2930	-962	PC	3.0	-1	8.2	-1	1.2	0	0.265	0	2.202	-1	7.699	-1	2208	53	2.5
1764.1	10000	38.1126	94.2922	-964	PC	3.0	-1	8.2	-1	1.2	0	0.239	0	2.033	-1	7.687	-1	2223	45	2.5
1764.2	10000	38.1126	94.2914	-967	PC	3.0	-1	8.2	-1	1.2	0	0.215	0	1.758	-2	7.371	-1	2250	57	2.4
1764.3	10000	38.1126	94.2906	-969	PC	3.0	-1	8.2	-1	1.2	0	0.206	0	1.606	-2	7.642	-1	2272	38	2.4
1764.4	10000	38.1126	94.2898	-972	PC	3.0	-1	8.2	-1	1.2	0	0.207	0	1.629	-2	7.589	-1	2286	47	2.4
1764.5	10000	38.1126	94.2890	-974	PC	3.0	-1	8.2	-1	1.2	0	0.197	0	1.459	-2	7.099	-1	2310	57	2.4
1764.6	10000	38.1126	94.2882	-976	PC	3.0	-1	8.2	-1	1.2	0	0.221	0	1.416	-2	6.833	-1	2295	55	2.4
1764.7	10000	38.1126	94.2874	-978	PC	3.0	-1	8.2	-1	1.2	0	0.233	0	1.357	-2	6.898	-1	2285	50	2.4
1764.8	10000	38.1125	94.2866	-980	PC	3.0	-1	8.2	-1	1.2	0	0.233	0	1.519	-2	6.878	-1	2252	56	2.4
1764.9	10000	38.1125	94.2858	-982	PC	2.3	-1	9.8	0	1.5	0	0.233	0	1.571	-2	6.749	-1	2207	49	2.4

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1765.0	10000	38.1125	94.2850	-984	PC	2.0	-2	9.6	0	1.5	2	0.209	-2	1.385	-2	6.630	-1	2164	45	2.3
1765.1	10000	38.1125	94.2842	-985	PC	2.00	-2	9.1	0	1.4	1	0.215	-2	1.425	-2	6.636	-1	2108	38	2.3
1765.2	10000	38.1125	94.2834	-987	PC	2.01	-2	8.9	0	1.3	1	0.226	-2	1.536	-2	6.803	-1	2048	44	2.3
1765.3	10000	38.1125	94.2826	-989	PC	2.01	-1	8.8	0	1.2	0	0.241	-1	1.789	-2	7.424	-1	1994	47	2.3
1765.4	10000	38.1125	94.2818	-991	PC	2.00	-2	8.2	-1	1.1	0	0.245	-1	1.771	-2	7.225	-1	1955	33	2.3
1765.5	10000	38.1125	94.2810	-993	PC	2.03	-1	8.3	-1	1.1	0	0.249	-1	1.846	-2	7.399	-1	1933	52	2.3
1765.6	10000	38.1125	94.2802	-996	PC	2.07	-1	8.8	-1	1.0	0	0.277	-1	2.206	-1	7.970	-1	1926	49	2.2
1765.7	10000	38.1125	94.2794	-998	PC	2.07	-1	8.9	-1	1.0	0	0.336	0	2.758	0	8.216	0	1916	45	2.2
1765.8	10000	38.1124	94.2786	-1000	PC	2.07	-1	9.1	-1	0.9	-1	0.336	0	2.903	0	8.640	0	1928	50	2.2
1765.9	10000	38.1124	94.2778	-1001	PC	2.07	-1	9.6	-1	0.9	-1	0.345	0	3.363	0	9.753	1	1939	50	2.2
1766.0	10000	38.1124	94.2770	-1003	PC	2.07	-1	9.3	0	0.9	-1	0.299	-1	3.034	0	10.137	1	1958	44	2.2
1766.1	10000	38.1124	94.2762	-1003	PC	2.08	0	9.6	0	0.8	-1	0.303	-1	3.286	0	10.847	1	1965	50	2.2
1766.2	10000	38.1124	94.2754	-1004	PC	2.09	0	9.7	0	0.8	-1	0.318	0	3.807	1	11.968	2	1969	52	2.1
1766.3	10000	38.1124	94.2746	-1005	PC	2.09	0	9.7	0	0.8	-1	0.317	0	3.915	1	12.350	2	1962	53	2.1
1766.4	10000	38.1124	94.2737	-1005	PC	2.08	0	9.8	0	0.8	-1	0.294	-1	3.731	1	12.669	3	1969	40	2.1
1766.5	10000	38.1124	94.2729	-1006	PC	2.08	0	9.8	0	0.8	-1	0.289	-1	3.705	1	12.841	3	1974	51	2.1
1766.6	10000	38.1124	94.2721	-1007	PC	2.06	0	9.4	0	0.8	-1	0.281	-1	3.357	0	11.937	2	1974	40	2.1
1766.7	10000	38.1124	94.2713	-1007	PC	2.08	0	9.4	0	0.8	-1	0.316	0	3.713	1	11.762	2	1985	40	2.1
1766.8	10000	38.1124	94.2705	-1007	PC	2.09	0	9.2	0	0.8	-1	0.319	0	3.667	1	11.491	2	2000	47	2.0
1766.9	10000	38.1123	94.2697	-1006	PC	2.08	0	9.2	0	0.9	-1	0.305	-1	3.214	0	10.534	1	2020	40	2.0
1767.0	10000	38.1123	94.2689	-1005	PC	2.09	0	9.4	0	0.9	-1	0.299	-1	3.073	0	10.282	1	2039	60	2.0
1767.1	10000	38.1123	94.2681	-1004	PC	2.09	0	9.6	0	1.0	-1	0.299	-1	2.999	0	10.042	1	2057	48	2.0
1767.2	10000	38.1123	94.2673	-1002	PC	2.09	0	9.5	0	1.0	0	0.316	0	3.021	0	9.572	1	2057	58	2.0
1767.3	10000	38.1123	94.2665	-1000	PC	2.11	0	9.7	0	1.0	0	0.317	0	3.174	0	10.001	1	2052	45	2.0
1767.4	10000	38.1123	94.2657	-996	PC	2.10	0	9.4	0	1.0	0	0.329	0	3.128	0	9.518	1	2037	41	2.0
1767.5	10000	38.1123	94.2649	-990	PC	2.11	0	9.4	-1	1.0	-1	0.330	0	3.229	0	9.783	1	2029	41	2.0
1767.6	10000	38.1123	94.2641	-980	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1767.7	10000	38.1123	94.2633	-970	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1767.8	10000	38.1123	94.2625	-968	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1767.9	10000	38.1123	94.2617	-965	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1768.0	10000	38.1122	94.2609	-958	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1768.1	10000	38.1122	94.2601	-949	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1768.2	10000	38.1122	94.2593	-939	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1768.3	10000	38.1122	94.2585	-929	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1768.4	10000	38.1122	94.2577	-919	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1768.5	10000	38.1122	94.2569	-910	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1768.6	10000	38.1122	94.2561	-900	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1768.7	10000	38.1122	94.2553	-891	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1768.8	10000	38.1122	94.2545	-883	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1768.9	10000	38.1122	94.2536	-876	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1769.0	10000	38.1121	94.2529	-870	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1769.1	10000	38.1121	94.2520	-865	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1769.2	10000	38.1121	94.2512	-861	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1769.3	10000	38.1121	94.2505	-857	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1769.4	10000	38.1121	94.2497	-856	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1769.5	10000	38.1121	94.2489	-857	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1769.6	10000	38.1121	94.2482	-857	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1769.7	10000	38.1121	94.2474	-858	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1769.8	10000	38.1121	94.2466	-859	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1769.9	10000	38.1121	94.2458	-861	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1770.0	10000	38.1121	94.2451	-863	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9
1770.1	10000	38.1121	94.2443	-865	PC	2.11	0	9.5	-1	1.0	-1	0.318	0	3.241	0	10.199	1	2029	39	1.9

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1770.2	10000	38.1121	94.2435	-866	PC	3.8	1	8.4	-1	0.8	-1	0.450	1	4.998	3	11.100	2	1999	45	1.7
1770.3	10000	38.1121	94.2427	-868	PC	3.8	1	8.7	0	0.8	-1	0.442	1	4.689	2	10.620	1	2046	59	1.7
1770.4	10000	38.1121	94.2420	-870	PC	3.7	1	8.8	0	0.9	-1	0.417	1	4.221	2	10.117	1	2097	52	1.7
1770.5	10000	38.1121	94.2412	-873	PC	3.6	1	9.5	0	0.9	-1	0.380	1	4.088	1	10.757	1	2128	48	1.7
1770.6	10000	38.1121	94.2404	-876	PC	3.6	1	9.8	0	0.9	-1	0.374	1	4.047	1	10.829	1	2136	34	1.7
1770.7	10000	38.1121	94.2396	-880	PC	3.7	1	9.7	0	0.9	-1	0.387	1	4.102	1	10.598	1	2134	44	1.7
1770.8	10000	38.1120	94.2389	-883	PC	3.7	1	9.9	0	0.9	-1	0.377	1	4.144	1	10.983	2	2128	45	1.7
1770.9	10000	38.1120	94.2381	-887	PC	3.4	1	9.9	1	0.9	-1	0.347	1	3.728	1	10.756	1	2102	47	1.7
1771.0	10000	38.1120	94.2373	-889	PC	3.5	1	10.2	1	0.9	-1	0.328	1	3.908	1	11.904	2	2068	58	1.7
1771.1	10000	38.1120	94.2365	-893	PC	3.5	1	10.1	1	0.9	-1	0.343	1	4.022	1	11.742	2	2029	38	1.7
1771.2	10000	38.1120	94.2358	-896	PC	3.4	1	9.4	0	0.8	-1	0.361	1	4.011	1	11.127	2	2004	42	1.7
1771.3	10000	38.1120	94.2350	-900	PC	3.3	1	9.6	0	0.8	-1	0.348	1	4.086	1	11.734	2	1991	44	1.7
1771.4	10000	38.1120	94.2342	-902	PC	3.4	1	9.7	0	0.8	-1	0.354	1	4.323	2	12.214	2	1986	48	1.6
1771.5	10000	38.1120	94.2335	-904	PC	3.3	1	9.7	0	0.8	-1	0.338	1	3.994	1	11.822	2	1994	50	1.6
1771.6	10000	38.1120	94.2327	-905	PC	3.5	1	9.7	0	0.8	-1	0.364	1	4.471	2	12.284	2	2008	51	1.6
1771.7	10000	38.1120	94.2319	-906	PC	3.6	1	9.7	0	0.8	-1	0.387	1	4.358	2	11.268	2	2003	39	1.6
1771.8	10000	38.1120	94.2311	-905	PC	3.6	1	9.7	0	0.8	-1	0.372	1	4.313	2	11.590	2	2017	56	1.7
1771.9	10000	38.1120	94.2304	-904	PC	3.5	1	9.6	0	0.8	-1	0.366	1	4.177	2	11.407	2	2023	41	1.7
1772.0	10000	38.1120	94.2296	-903	PC	3.6	1	9.4	0	0.9	-1	0.388	1	4.209	2	10.851	1	2017	45	1.7
1772.1	10000	38.1120	94.2288	-900	PC	3.3	1	9.3	0	0.9	-1	0.357	1	3.547	1	9.923	1	2008	57	1.7
1772.2	10000	38.1120	94.2280	-899	PC	3.4	1	9.0	0	0.9	-1	0.382	1	3.580	1	9.360	0	1986	58	1.7
1772.3	10000	38.1120	94.2273	-896	PC	3.3	1	9.5	0	0.9	-1	0.365	1	3.490	1	9.557	1	1945	47	1.7
1772.4	10000	38.1120	94.2265	-894	PC	3.0	1	9.1	0	0.9	-1	0.334	1	3.281	1	9.819	1	1935	56	1.7
1772.5	10000	38.1119	94.2257	-892	PC	3.0	1	9.0	0	0.9	-1	0.333	0	3.070	1	9.209	0	1906	43	1.7
1772.6	10000	38.1120	94.2249	-890	PC	2.7	1	8.9	0	0.9	-1	0.302	-1	2.873	0	9.518	1	1880	46	1.7
1772.7	10000	38.1119	94.2242	-888	PC	2.4	1	9.1	0	0.9	-1	0.264	-1	2.688	1	10.165	1	1872	31	1.7
1772.8	10000	38.1119	94.2234	-887	PC	2.2	1	9.0	0	0.9	-1	0.250	-1	2.698	1	10.779	1	1853	46	1.7
1772.9	10000	38.1119	94.2226	-886	PC	2.1	1	9.1	0	0.8	-1	0.239	-1	2.580	-1	10.776	1	1843	46	1.7
1773.0	10000	38.1119	94.2218	-885	PC	2.2	1	9.0	1	0.9	-1	0.238	-1	2.486	-1	10.426	1	1843	42	1.7
1773.1	10000	38.1119	94.2211	-885	PC	2.3	1	9.1	1	0.9	-1	0.253	-1	2.592	-1	10.225	1	1841	45	1.7
1773.2	10000	38.1119	94.2203	-885	PC	2.2	1	9.1	1	0.9	-1	0.257	-1	2.745	0	10.692	1	1850	68	1.7
1773.3	10000	38.1119	94.2195	-886	PC	2.5	1	9.8	1	0.9	-1	0.279	-1	2.994	1	10.729	1	1854	72	1.7
1773.4	10000	38.1119	94.2188	-887	PC	2.5	1	9.8	1	0.9	-1	0.290	-1	2.911	1	10.028	1	1845	70	1.7
1773.5	10000	38.1119	94.2180	-887	PC	2.4	1	9.8	1	0.9	-1	0.316	0	2.975	1	9.407	1	1855	42	1.7
1773.6	10000	38.1119	94.2172	-888	PC	2.4	1	9.8	1	0.9	-1	0.310	0	2.843	1	9.463	1	1857	43	1.7
1773.7	10000	38.1119	94.2164	-888	PC	2.4	1	9.8	1	0.9	-1	0.296	0	2.761	1	9.918	1	1886	57	1.7
1773.8	10000	38.1119	94.2157	-888	PC	2.4	1	9.8	1	0.9	-1	0.299	0	2.578	1	9.717	1	1905	50	1.7
1773.9	10000	38.1119	94.2149	-889	PC	2.4	1	9.8	1	0.9	-1	0.305	1	2.609	1	9.727	1	1936	58	1.7
1774.0	10000	38.1119	94.2141	-890	PC	2.4	1	9.8	1	0.9	-1	0.291	0	2.596	1	9.683	1	1965	55	1.7
1774.1	10000	38.1119	94.2133	-890	PC	2.4	1	9.8	1	0.9	-1	0.336	1	2.644	1	9.736	1	2003	63	1.7
1774.2	10000	38.1119	94.2126	-891	PC	2.4	1	9.8	1	0.9	-1	0.337	1	2.746	1	9.011	1	2031	40	1.7
1774.3	10000	38.1118	94.2118	-892	PC	2.4	1	9.8	1	0.9	-1	0.324	1	2.620	1	9.001	1	2051	42	1.7
1774.4	10000	38.1118	94.2110	-892	PC	2.4	1	9.8	1	0.9	-1	0.600	0	2.883	1	9.294	1	2056	52	1.7
1774.5	10000	38.1118	94.2103	-892	PC	2.4	1	9.8	1	0.9	-1	0.081	0	2.156	1	9.291	1	2053	46	1.7
1774.6	10000	38.1118	94.2095	-892	PC	2.4	1	9.8	1	0.9	-1	0.331	1	2.898	1	9.329	1	2050	53	1.7
1774.7	10000	38.1118	94.2087	-892	PC	2.4	1	9.8	1	0.9	-1	0.312	1	2.845	1	9.277	1	2042	54	1.7
1774.8	10000	38.1118	94.2079	-892	PC	2.4	1	9.8	1	0.9	-1	0.334	1	2.963	1	9.113	1	2040	48	1.7
1774.9	10000	38.1118	94.2072	-892	PC	2.4	1	9.8	1	0.9	-1	0.260	0	2.930	1	9.003	1	2032	56	1.7
1775.0	10000	38.1118	94.2064	-891	PC	2.4	1	9.8	1	0.9	-1	0.308	1	2.925	1	9.122	1	2047	39	1.7
1775.1	10000	38.1118	94.2056	-892	PC	2.4	1	9.8	1	0.9	-1	0.331	1	2.925	1	9.142	1	2053	55	1.7
1775.2	10000	38.1118	94.2048	-892	PC	2.4	1	9.8	1	0.9	-1	0.331	1	2.925	1	9.140	1	2069	45	1.7
1775.3	10000	38.1118	94.2041	-892	PC	2.4	1	9.8	1	0.9	-1	0.331	1	2.925	1	9.140	1	2081	37	1.7

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1775.4	10000	38.1118	94.2033	-892	PC	3.6	1	9.6	0	1.0	0	0.380	0	3.667	1	9.649	1	2085	47	1.7
1775.5	10000	38.1118	94.2025	-892	PC	3.4	1	10.0	1	1.0	0	0.342	0	3.511	1	10.256	1	2089	47	1.7
1775.6	10000	38.1118	94.2018	-892	PC	3.3	0	9.6	0	0.9	-1	0.342	0	3.459	1	10.113	1	2072	48	1.7
1775.7	10000	38.1118	94.2010	-891	PC	3.2	0	9.5	0	0.9	-1	0.337	0	3.414	1	10.123	1	2035	44	1.7
1775.8	10000	38.1118	94.2002	-889	PC	3.3	0	9.2	0	0.9	-1	0.346	0	3.498	1	10.102	1	2002	54	1.7
1775.9	10000	38.1118	94.1994	-888	PC	3.3	0	9.1	0	0.9	-1	0.364	0	3.791	1	10.417	1	1976	47	1.7
1776.0	10000	38.1118	94.1987	-891	PC	3.9	0	8.8	0	0.9	-1	0.331	0	3.388	1	10.221	1	1949	62	1.7
1776.1	10000	38.1118	94.1979	-893	PC	3.7	-1	9.1	0	0.8	-1	0.299	-1	3.226	1	10.785	1	1947	52	1.7
1776.2	10000	38.1118	94.1971	-893	PC	4.0	1	8.9	0	0.8	-1	0.338	0	3.577	1	10.597	1	1938	41	1.7
1776.3	10000	38.1117	94.1963	-893	PC	4.3	0	9.3	0	0.8	-1	0.356	0	4.035	1	11.342	2	1966	55	1.7
1776.4	10000	38.1117	94.1956	-893	PC	4.5	0	9.2	0	0.8	-1	0.375	0	4.324	2	11.532	2	1998	52	1.7
1776.5	10000	38.1117	94.1948	-894	PC	4.3	0	9.2	0	0.9	-1	0.364	0	3.886	1	10.664	1	2036	53	1.7
1776.6	10000	38.1117	94.1940	-894	PC	4.3	0	9.2	0	0.9	-1	0.357	0	3.581	1	10.028	1	2056	41	1.7
1776.7	10000	38.1117	94.1932	-894	PC	4.3	0	9.3	0	0.9	-1	0.355	0	3.538	1	9.958	1	2070	44	1.7
1776.8	10000	38.1117	94.1925	-895	PC	4.7	1	9.2	0	0.9	-1	0.407	1	3.953	1	9.718	1	2097	33	1.7
1776.9	10000	38.1117	94.1917	-896	PC	4.7	1	9.0	0	1.0	0	0.414	1	3.737	1	9.021	0	2104	40	1.7
1777.0	10000	38.1117	94.1909	-896	PC	4.7	1	8.8	0	1.0	0	0.421	1	3.619	1	8.590	0	2086	43	1.7
1777.1	10000	38.1117	94.1901	-896	PC	4.5	1	8.9	0	1.1	0	0.394	1	3.296	1	8.356	0	2085	46	1.7
1777.2	10000	38.1117	94.1894	-897	PC	4.6	1	8.4	-1	1.0	0	0.426	1	3.429	1	8.051	0	2073	40	1.7
1777.3	10000	38.1117	94.1886	-898	PC	4.7	1	8.4	-1	1.0	0	0.438	1	3.575	1	8.160	0	2079	55	1.7
1777.4	10000	38.1117	94.1878	-899	PC	4.8	1	8.2	-1	1.1	0	0.459	1	3.545	1	7.731	-1	2081	49	1.7
1777.5	10000	38.1117	94.1871	-900	PC	4.5	1	8.3	-1	1.1	0	0.422	1	3.266	0	7.741	-1	2061	47	1.7
1777.6	10000	38.1117	94.1863	-901	PC	4.3	0	8.6	-1	1.0	0	0.385	0	3.166	0	8.230	0	2054	59	1.7
1777.7	10000	38.1117	94.1855	-901	PC	4.4	0	8.8	0	1.1	0	0.385	0	3.138	0	8.151	0	2067	45	1.7
1777.8	10000	38.1117	94.1847	-902	PC	4.2	0	8.9	0	1.1	0	0.357	0	3.002	0	8.400	0	2069	48	1.7
1777.9	10000	38.1117	94.1840	-903	PC	4.1	0	9.3	0	1.1	0	0.332	0	2.828	0	8.514	0	2068	46	1.7
1778.0	10000	38.1117	94.1832	-903	PC	4.0	0	9.4	0	1.2	0	0.322	0	2.580	-1	8.006	0	2076	58	1.7
1778.1	10000	38.1116	94.1824	-903	PC	4.0	0	9.4	0	1.2	0	0.320	0	2.608	-1	8.163	0	2081	50	1.7
1778.2	10000	38.1116	94.1816	-904	PC	3.8	-1	9.4	0	1.2	0	0.296	-1	2.378	-1	8.024	0	2086	73	1.7
1778.3	10000	38.1116	94.1809	-904	PC	3.6	-1	9.4	0	1.2	0	0.275	-1	2.101	-1	7.648	-1	2094	36	1.7
1778.4	10000	38.1116	94.1801	-905	PC	3.7	-1	9.4	0	1.2	0	0.282	-1	2.205	-1	7.831	-1	2102	57	1.7
1778.5	10000	38.1116	94.1793	-906	PC	3.8	-1	9.5	0	1.2	0	0.290	-1	2.272	-1	7.845	-1	2096	44	1.7
1778.6	10000	38.1116	94.1785	-906	PC	3.8	-1	9.5	0	1.2	0	0.293	-1	2.331	-1	7.949	-1	2107	43	1.7
1778.7	10000	38.1116	94.1778	-907	PC	3.7	-1	9.5	0	1.2	0	0.295	-1	2.373	-1	8.054	-1	2101	52	1.7
1778.8	10000	38.1116	94.1770	-907	PC	3.7	-1	9.5	0	1.2	0	0.284	-1	2.310	0	8.139	0	2091	49	1.7
1778.9	10000	38.1116	94.1762	-906	PC	3.8	-1	9.5	0	1.2	0	0.316	0	2.625	0	8.310	0	2073	43	1.7
1779.0	10000	38.1116	94.1754	-907	PC	3.8	-1	9.5	0	1.2	0	0.365	0	3.023	0	8.296	0	2053	38	1.7
1779.1	10000	38.1116	94.1747	-907	PC	3.8	-1	9.5	0	1.2	0	0.350	0	2.830	0	8.081	0	2055	47	1.7
1779.2	10000	38.1116	94.1739	-907	PC	3.8	-1	9.5	0	1.2	0	0.349	0	2.895	0	8.285	0	2062	55	1.7
1779.3	10000	38.1116	94.1731	-907	PC	3.8	-1	9.5	0	1.2	0	0.359	0	2.933	0	8.163	0	2062	50	1.7
1779.4	10000	38.1116	94.1724	-907	PC	3.8	-1	9.5	0	1.2	0	0.346	0	2.893	0	8.366	0	2045	41	1.7
1779.5	10000	38.1116	94.1716	-906	PC	3.8	-1	9.5	0	1.2	0	0.348	0	2.866	0	8.217	0	2052	30	1.7
1779.6	10000	38.1116	94.1708	-905	PC	3.8	-1	9.5	0	1.2	0	0.348	0	2.872	0	8.552	0	2048	49	1.7
1779.7	10000	38.1116	94.1700	-904	PC	3.8	-1	9.5	0	1.2	0	0.348	0	2.872	0	8.062	0	2042	49	1.7
1779.8	10000	38.1116	94.1693	-905	PC	3.8	-1	9.5	0	1.2	0	0.348	0	2.872	0	8.249	0	2045	48	1.7
1779.9	10000	38.1116	94.1685	-906	PC	3.8	-1	9.5	0	1.2	0	0.348	0	2.872	0	8.207	0	2013	51	1.7
1780.0	10000	38.1115	94.1677	-907	PC	3.8	-1	9.5	0	1.2	0	0.348	0	2.872	0	8.519	0	1987	48	1.7
1780.1	10000	38.1115	94.1669	-906	PC	3.8	-1	9.5	0	1.2	0	0.348	0	2.872	0	8.514	0	1958	42	1.7
1780.2	10000	38.1115	94.1662	-906	PC	3.8	-1	9.5	0	1.2	0	0.348	0	2.872	0	8.807	0	1953	43	1.7
1780.3	10000	38.1115	94.1654	-905	PC	3.8	-1	9.5	0	1.2	0	0.348	0	2.872	0	8.851	0	1934	52	1.7
1780.4	10000	38.1115	94.1646	-905	PC	3.8	-1	9.5	0	1.2	0	0.348	0	2.872	0	8.851	0	1941	49	1.6
1780.5	10000	38.1115	94.1638	-904	PC	3.8	-1	9.5	0	1.2	0	0.348	0	2.872	0	8.851	0	1956	49	1.6

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1780.6	10000	38.1115	94.1631	-904	PC	2.9	0	9.4	0	1.0	-1	0.311	0	3.060	0	9.826	1	1967	47	1.6
1780.7	10000	38.1115	94.1623	-904	PC	3.0	0	9.2	0	1.0	-1	0.320	0	3.067	0	9.649	1	1973	54	1.6
1780.8	10000	38.1115	94.1615	-904	PC	3.1	0	8.8	0	0.9	-1	0.351	0	3.264	0	9.288	0	1981	27	1.6
1780.9	10000	38.1115	94.1608	-904	PC	3.5	-1	8.6	-1	1.0	-1	0.412	1	3.717	1	9.024	0	1980	41	1.6
1781.0	10000	38.1115	94.1600	-904	PC	3.5	-1	8.3	-1	1.0	0	0.421	1	3.586	1	8.523	0	1992	55	1.6
1781.1	10000	38.1115	94.1592	-903	PC	3.4	-1	8.3	-1	0.9	-1	0.406	1	3.575	1	8.800	0	1989	42	1.6
1781.2	10000	38.1115	94.1584	-903	PC	3.5	-1	8.6	-1	0.9	-1	0.401	1	3.703	1	9.235	0	1986	40	1.6
1781.3	10000	38.1115	94.1577	-903	PC	3.3	-1	8.4	-1	0.9	-1	0.391	1	3.550	1	9.078	0	1963	50	1.6
1781.4	10000	38.1115	94.1569	-902	PC	3.2	-1	8.3	-1	0.9	-1	0.388	1	3.508	1	9.039	0	1948	43	1.6
1781.5	10000	38.1115	94.1561	-901	PC	3.4	-1	8.5	-1	0.9	-1	0.398	1	3.736	1	9.392	0	1948	45	1.6
1781.6	10000	38.1115	94.1553	-900	PC	3.2	-1	8.4	-1	0.9	-1	0.384	1	3.494	1	9.088	0	1943	42	1.6
1781.7	10000	38.1115	94.1546	-900	PC	3.3	-1	8.2	-1	0.9	-1	0.401	1	3.578	1	8.926	0	1932	46	1.6
1781.8	10000	38.1114	94.1538	-898	PC	3.5	-1	8.4	-1	0.9	-1	0.415	1	3.771	1	9.095	0	1938	39	1.6
1781.9	10000	38.1114	94.1530	-897	PC	3.4	-1	8.5	-1	0.9	-1	0.410	1	3.566	1	8.689	0	1933	41	1.6
1782.0	10000	38.1114	94.1523	-895	PC	3.7	-1	8.5	-1	0.9	-1	0.439	1	3.936	1	8.971	0	1972	50	1.6
1782.1	10000	38.1114	94.1515	-893	PC	3.7	-1	8.5	-1	1.0	0	0.430	1	3.718	1	8.655	0	2004	41	1.6
1782.2	10000	38.1114	94.1507	-891	PC	3.5	-1	8.4	-1	1.0	0	0.420	1	3.363	0	7.999	-1	2032	54	1.6
1782.3	10000	38.1114	94.1499	-889	PC	3.8	0	8.8	0	1.1	0	0.429	1	3.497	1	8.158	0	2075	40	1.6
1782.4	10000	38.1114	94.1492	-887	PC	3.8	0	8.8	0	1.1	0	0.424	1	3.428	1	8.078	0	2105	51	1.6
1782.5	10000	38.1114	94.1484	-885	PC	3.7	0	8.8	0	1.2	0	0.407	1	3.141	0	7.724	-1	2132	52	1.5
1782.6	10000	38.1114	94.1476	-883	PC	3.6	0	8.8	0	1.2	0	0.391	1	3.112	0	7.952	-1	2161	50	1.5
1782.7	10000	38.1114	94.1468	-882	PC	3.5	0	8.8	0	1.2	0	0.334	0	2.760	0	8.260	0	2159	38	1.5
1782.8	10000	38.1114	94.1461	-880	PC	3.5	0	8.8	0	1.2	0	0.324	0	2.583	-1	7.972	-1	2146	52	1.5
1782.9	10000	38.1114	94.1453	-878	PC	3.5	0	8.8	0	1.2	0	0.311	0	2.585	-1	8.307	0	2129	52	1.5
1783.0	10000	38.1114	94.1445	-876	PC	3.5	0	8.8	0	1.2	0	0.304	-1	2.591	-1	8.536	0	2098	48	1.5
1783.1	10000	38.1114	94.1437	-873	PC	3.5	0	8.8	0	1.2	0	0.325	0	2.758	0	8.481	0	2088	60	1.5
1783.2	10000	38.1114	94.1430	-871	PC	3.5	0	8.8	0	1.2	0	0.341	0	3.030	0	8.880	0	2072	57	1.5
1783.3	10000	38.1114	94.1422	-870	PC	3.6	0	8.8	0	1.2	0	0.389	1	3.447	0	8.853	0	2043	67	1.5
1783.4	10000	38.1114	94.1414	-867	PC	3.6	0	8.8	0	1.2	0	0.438	1	3.772	0	8.614	0	2038	51	1.5
1783.5	10000	38.1113	94.1407	-865	PC	3.8	0	8.8	0	1.2	0	0.434	1	4.230	1	9.744	1	2033	51	1.5
1783.6	10000	38.1113	94.1399	-864	PC	3.8	0	8.8	0	1.2	0	0.448	1	4.472	1	9.985	1	2012	54	1.5
1783.7	10000	38.1113	94.1391	-862	PC	3.8	0	8.8	0	1.2	0	0.414	1	4.097	1	8.893	0	1992	57	1.5
1783.8	10000	38.1113	94.1383	-861	PC	3.8	0	8.8	0	1.2	0	0.379	1	4.066	1	10.727	1	1953	47	1.5
1783.9	10000	38.1113	94.1376	-861	PC	3.8	0	8.8	0	1.2	0	0.356	1	3.821	1	10.724	1	1929	63	1.5
1784.0	10000	38.1113	94.1368	-860	PC	3.8	0	8.8	0	1.2	0	0.331	1	3.461	1	10.869	1	1918	51	1.5
1784.1	10000	38.1113	94.1360	-858	PC	3.8	0	8.8	0	1.2	0	0.280	1	2.975	1	10.644	1	1903	40	1.5
1784.2	10000	38.1113	94.1352	-858	PC	3.8	0	8.8	0	1.2	0	0.256	1	2.604	1	10.655	1	1906	48	1.5
1784.3	10000	38.1113	94.1345	-857	PC	3.8	0	8.8	0	1.2	0	0.269	1	2.941	1	10.950	1	1913	55	1.5
1784.4	10000	38.1113	94.1337	-857	PC	3.8	0	8.8	0	1.2	0	0.269	1	2.941	1	10.950	1	1926	72	1.5
1784.5	10000	38.1113	94.1329	-857	PC	3.8	0	8.8	0	1.2	0	0.269	1	2.941	1	10.950	1	1943	51	1.5
1784.6	10000	38.1113	94.1321	-856	PC	3.8	0	8.8	0	1.2	0	0.269	1	2.941	1	10.950	1	1951	54	1.5
1784.7	10000	38.1113	94.1314	-856	PC	3.8	0	8.8	0	1.2	0	0.269	1	2.941	1	10.950	1	1949	57	1.5
1784.8	10000	38.1113	94.1306	-855	PC	3.8	0	8.8	0	1.2	0	0.269	1	2.941	1	10.950	1	1961	47	1.5
1784.9	10000	38.1113	94.1298	-855	PC	3.8	0	8.8	0	1.2	0	0.269	1	2.941	1	10.950	1	1973	63	1.5
1785.0	10000	38.1113	94.1290	-853	PC	3.8	0	8.8	0	1.2	0	0.269	1	2.941	1	10.950	1	1989	51	1.5
1785.1	10000	38.1113	94.1283	-852	PC	3.8	0	8.8	0	1.2	0	0.269	1	2.941	1	10.950	1	1991	40	1.5
1785.2	10000	38.1113	94.1275	-852	PC	3.8	0	8.8	0	1.2	0	0.269	1	2.941	1	10.950	1	2013	55	1.5
1785.3	10000	38.1113	94.1267	-851	PC	3.8	0	8.8	0	1.2	0	0.269	1	2.941	1	10.950	1	2029	45	1.5
1785.4	10000	38.1113	94.1259	-850	PC	3.8	0	8.8	0	1.2	0	0.269	1	2.941	1	10.950	1	2045	50	1.5
1785.5	10000	38.1113	94.1251	-850	PC	3.8	0	8.8	0	1.2	0	0.269	1	2.941	1	10.950	1	2050	51	1.5
1785.6	10000	38.1113	94.1243	-849	PC	3.8	0	8.8	0	1.2	0	0.269	1	2.941	1	10.950	1	2051	54	1.5
1785.7	10000	38.1113	94.1234	-879	PC	3.8	0	8.8	0	1.2	0	0.269	1	2.941	1	10.950	1	2047	47	1.5

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1785.8	10000	38.1113	94.1226	-881	PC	3.1	0	10.0	1	1.1	0	0.312	0	2.957	0	9.489	1	2046	44	1.4
1785.9	10000	38.1113	94.1218	-882	PC	2.9	0	9.5	0	1.1	0	0.334	0	2.954	0	8.832	0	2052	52	1.4
1786.0	10000	38.1113	94.1210	-884	PC	3.3	0	9.5	0	1.0	0	0.350	0	3.356	0	9.591	1	2021	37	1.4
1786.1	10000	38.1113	94.1202	-887	PC	3.6	0	9.8	0	0.9	-1	0.363	0	3.823	1	10.535	1	2022	39	1.4
1786.2	10000	38.1113	94.1194	-888	PC	3.4	0	9.2	0	1.0	0	0.371	0	3.504	1	9.441	0	2007	57	1.4
1786.3	10000	38.1113	94.1186	-889	PC	3.5	0	9.0	0	0.9	-1	0.384	0	3.663	1	9.540	1	1989	43	1.4
1786.4	10000	38.1113	94.1178	-889	PC	3.3	0	8.4	-1	0.9	-1	0.413	1	3.703	1	8.965	0	1980	45	1.4
1786.5	10000	38.1113	94.1170	-889	PC	3.1	0	8.4	-1	1.0	-1	0.394	1	3.464	1	8.791	0	1960	50	1.4
1786.6	10000	38.1113	94.1162	-889	PC	3.0	0	8.2	-1	1.0	0	0.381	1	3.159	0	8.290	0	1944	45	1.4
1786.7	10000	38.1113	94.1154	-890	PC	2.7	0	8.0	-1	1.0	0	0.368	0	2.842	0	7.729	-1	1925	39	1.4
1786.8	10000	38.1113	94.1146	-890	PC	2.7	0	7.5	-1	1.1	0	0.360	0	2.520	-1	7.005	-1	1892	60	1.4
1786.9	10000	38.1113	94.1138	-890	PC	2.7	-1	7.3	-2	1.0	0	0.374	0	2.711	-1	7.242	-1	1867	39	1.4
1787.0	10000	38.1113	94.1130	-891	PC	2.7	-1	6.9	-2	1.0	0	0.385	0	2.617	-1	6.789	-1	1852	38	1.4
1787.1	10000	38.1113	94.1122	-891	PC	2.7	-1	7.2	-2	1.0	0	0.369	0	2.701	-1	7.320	-1	1849	64	1.4
1787.2	10000	38.1113	94.1114	-890	PC	2.8	-1	7.3	-2	1.0	0	0.387	0	2.969	0	7.667	-1	1854	42	1.4
1787.3	10000	38.1113	94.1105	-890	PC	2.7	-1	7.5	-1	1.0	-1	0.377	0	2.944	0	7.815	-1	1858	43	1.4
1787.4	10000	38.1113	94.1097	-890	PC	2.7	-1	7.8	-1	1.0	-1	0.345	0	2.866	0	8.315	0	1899	47	1.4
1787.5	10000	38.1113	94.1089	-891	PC	2.8	0	8.0	0	1.0	0	0.325	0	2.830	0	8.704	0	1939	55	1.3
1787.6	10000	38.1113	94.1081	-892	PC	2.8	0	8.1	0	1.1	0	0.331	0	2.824	0	8.544	0	1974	47	1.3
1787.7	10000	38.1113	94.1073	-892	PC	2.8	0	8.2	0	1.1	0	0.326	0	2.741	0	8.412	0	1996	37	1.3
1787.8	10000	38.1113	94.1065	-892	PC	2.8	0	8.4	0	1.1	0	0.322	0	2.679	0	8.319	0	1997	50	1.3
1787.9	10000	38.1113	94.1057	-892	PC	2.8	0	8.4	0	1.1	0	0.331	0	2.755	0	8.319	0	2016	50	1.3
1788.0	10000	38.1113	94.1049	-893	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.783	0	9.014	0	2013	48	1.3
1788.1	10000	38.1113	94.1041	-893	PC	2.8	0	8.4	0	1.1	0	0.336	0	2.795	0	8.930	0	1999	44	1.3
1788.2	10000	38.1113	94.1033	-893	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.799	0	8.832	0	1970	47	1.3
1788.3	10000	38.1113	94.1025	-893	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.526	0	8.265	0	1962	52	1.3
1788.4	10000	38.1113	94.1017	-894	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.415	0	8.747	1	1962	44	1.3
1788.5	10000	38.1114	94.1009	-895	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.187	0	8.907	1	1957	41	1.3
1788.6	10000	38.1113	94.1001	-895	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.353	0	8.565	1	1936	50	1.3
1788.7	10000	38.1114	94.0993	-895	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.127	0	8.888	1	1927	41	1.3
1788.8	10000	38.1114	94.0985	-896	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.799	0	8.039	0	1924	50	1.3
1788.9	10000	38.1114	94.0977	-895	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.991	0	8.669	1	1936	58	1.3
1789.0	10000	38.1114	94.0968	-896	PC	2.8	0	8.4	0	1.1	0	0.333	0	3.021	0	8.268	0	1939	39	1.3
1789.1	10000	38.1114	94.0960	-896	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.963	0	8.658	0	1927	52	1.3
1789.2	10000	38.1114	94.0952	-896	PC	2.8	0	8.4	0	1.1	0	0.333	0	3.133	0	8.343	0	1920	41	1.3
1789.3	10000	38.1114	94.0944	-896	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.983	0	8.106	0	1917	48	1.3
1789.4	10000	38.1114	94.0936	-895	PC	2.8	0	8.4	0	1.1	0	0.333	0	3.040	0	8.756	0	1922	41	1.3
1789.5	10000	38.1114	94.0928	-895	PC	2.8	0	8.4	0	1.1	0	0.333	0	3.068	0	8.172	0	1926	36	1.3
1789.6	10000	38.1114	94.0920	-894	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.691	0	8.472	0	1940	42	1.3
1789.7	10000	38.1114	94.0912	-893	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.902	0	8.085	0	1930	44	1.3
1789.8	10000	38.1114	94.0904	-892	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.126	0	8.148	0	1933	40	1.3
1789.9	10000	38.1114	94.0896	-892	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.176	0	8.488	0	1935	42	1.3
1790.0	10000	38.1114	94.0888	-892	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.017	0	8.255	0	1923	44	1.3
1790.1	10000	38.1114	94.0880	-892	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.088	0	8.355	0	1925	42	1.3
1790.2	10000	38.1114	94.0872	-892	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.057	0	8.107	0	1923	45	1.3
1790.3	10000	38.1114	94.0864	-892	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.127	0	8.691	0	1929	50	1.3
1790.4	10000	38.1114	94.0856	-892	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.360	0	8.652	0	1929	50	1.3
1790.5	10000	38.1114	94.0848	-892	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.652	0	8.997	0	1937	50	1.3
1790.6	10000	38.1114	94.0840	-892	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.552	0	8.374	0	1937	50	1.3
1790.7	10000	38.1114	94.0832	-892	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.337	0	8.297	0	1937	50	1.3
1790.8	10000	38.1114	94.0824	-892	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.257	0	8.237	0	1937	50	1.3
1790.9	10000	38.1114	94.0815	-892	PC	2.8	0	8.4	0	1.1	0	0.333	0	2.337	0	8.237	0	1937	50	1.3

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1791.0	10000	38.1114	94.0807	-890	PC	2.8	0	9.5	0	0.8	-1	0.297	-1	3.422	1	11.520	2	1821	35	1.3
1791.1	10000	38.1114	94.0799	-891	PC	3.0	0	9.2	0	0.8	-1	0.327	0	3.741	1	11.423	2	1813	48	1.2
1791.2	10000	38.1114	94.0791	-892	PC	3.2	0	9.0	0	0.8	-1	0.352	0	3.947	1	11.198	2	1795	43	1.2
1791.3	10000	38.1114	94.0783	-893	PC	3.3	0	8.9	0	0.8	-1	0.375	0	4.062	1	10.820	1	1799	38	1.2
1791.4	10000	38.1114	94.0775	-895	PC	3.5	0	8.3	-1	0.9	-1	0.423	1	3.977	1	9.406	0	1811	39	1.2
1791.5	10000	38.1114	94.0767	-897	PC	3.8	1	8.0	-1	0.9	-1	0.478	2	4.291	2	8.973	0	1829	43	1.2
1791.6	10000	38.1114	94.0759	-899	PC	3.7	1	8.2	-1	0.9	-1	0.451	1	4.020	1	8.918	0	1848	49	1.2
1791.7	10000	38.1114	94.0751	-902	PC	3.8	1	8.7	0	0.9	-1	0.434	1	4.039	1	9.296	0	1870	61	1.2
1791.8	10000	38.1114	94.0743	-905	PC	3.6	1	8.9	0	1.0	-1	0.400	1	3.718	1	9.298	0	1883	57	1.2
1791.9	10000	38.1114	94.0735	-908	PC	3.7	1	9.0	0	1.0	0	0.414	1	3.769	1	9.109	0	1905	51	1.2
1792.0	10000	38.1114	94.0727	-911	PC	3.6	1	9.1	0	1.0	-1	0.392	1	3.691	1	9.413	0	1901	52	1.2
1792.1	10000	38.1115	94.0719	-915	PC	3.4	0	9.2	0	0.9	-1	0.366	1	3.621	1	9.899	1	1892	53	1.2
1792.2	10000	38.1115	94.0711	-919	PC	3.0	0	9.4	0	0.9	-1	0.316	0	3.244	0	10.254	1	1869	54	1.2
1792.3	10000	38.1115	94.0703	-922	PC	3.1	0	9.2	0	0.9	-1	0.337	0	3.443	1	10.231	1	1845	50	1.2
1792.4	10000	38.1115	94.0694	-926	PC	3.2	0	9.0	0	0.9	-1	0.354	0	3.528	1	9.960	1	1830	47	1.2
1792.5	10000	38.1115	94.0686	-929	PC	3.2	0	9.1	0	0.9	-1	0.355	0	3.717	1	10.483	1	1839	33	1.2
1792.6	10000	38.1115	94.0678	-931	PC	3.2	0	8.9	0	0.8	-1	0.358	0	3.982	1	11.107	2	1836	47	1.2
1792.7	10000	38.1115	94.0670	-933	PC	3.4	0	9.2	0	0.8	-1	0.365	0	4.066	1	11.128	2	1854	50	1.2
1792.8	10000	38.1115	94.0662	-934	PC	3.5	0	9.5	0	0.8	-1	0.363	0	4.257	2	11.740	2	1861	38	1.2
1792.9	10000	38.1115	94.0654	-935	PC	3.5	0	9.5	0	0.8	-1	0.369	0	4.260	2	11.533	2	1868	48	1.2
1793.0	10000	38.1115	94.0646	-935	PC	3.5	0	9.4	0	0.8	-1	0.374	0	4.344	2	11.608	2	1880	41	1.2
1793.1	10000	38.1115	94.0638	-934	PC	3.4	0	9.6	0	0.9	-1	0.356	1	4.153	1	11.670	2	1898	42	1.2
1793.2	10000	38.1115	94.0630	-932	PC	3.1	0	9.5	0	0.9	-1	0.344	1	3.813	1	11.079	2	1890	64	1.2
1793.3	10000	38.1115	94.0622	-930	PC	3.0	0	9.4	0	0.9	-1	0.328	1	3.468	1	10.585	1	1900	38	1.2
1793.4	10000	38.1115	94.0614	-927	PC	3.0	0	9.3	0	0.9	-1	0.328	0	3.439	1	10.474	1	1893	40	1.2
1793.5	10000	38.1115	94.0606	-923	PC	3.2	0	8.8	0	0.9	-1	0.361	0	3.710	1	10.286	1	1878	44	1.2
1793.6	10000	38.1115	94.0598	-919	PC	3.1	0	8.8	0	0.9	-1	0.366	0	3.637	1	9.924	1	1881	41	1.2
1793.7	10000	38.1115	94.0590	-915	PC	3.1	0	8.8	0	0.9	-1	0.347	0	3.362	1	9.687	1	1876	42	1.2
1793.8	10000	38.1115	94.0582	-911	PC	3.1	0	8.8	0	0.9	-1	0.386	0	3.607	1	9.345	1	1865	35	1.2
1793.9	10000	38.1115	94.0574	-906	PC	3.1	0	8.8	0	0.9	-1	0.389	0	3.720	1	9.568	1	1879	58	1.2
1794.0	10000	38.1115	94.0565	-902	PC	3.1	0	8.8	0	0.9	-1	0.355	0	3.674	1	9.354	1	1870	49	1.2
1794.1	10000	38.1115	94.0557	-899	PC	3.1	0	8.8	0	0.9	-1	0.341	0	3.434	1	10.063	1	1876	48	1.2
1794.2	10000	38.1115	94.0549	-895	PC	3.1	0	8.8	0	0.9	-1	0.298	0	3.914	1	9.774	1	1901	65	1.2
1794.3	10000	38.1115	94.0541	-892	PC	3.1	0	8.8	0	0.9	-1	0.305	0	3.023	1	9.975	1	1926	58	1.2
1794.4	10000	38.1115	94.0533	-890	PC	3.1	0	8.8	0	0.9	-1	0.305	0	3.061	1	10.098	1	1951	58	1.2
1794.5	10000	38.1115	94.0525	-888	PC	3.1	0	8.8	0	0.9	-1	0.283	0	2.934	1	10.350	1	1961	42	1.2
1794.6	10000	38.1115	94.0517	-886	PC	3.1	0	8.8	0	0.9	-1	0.300	0	3.096	1	10.327	1	1962	50	1.2
1794.7	10000	38.1115	94.0509	-885	PC	3.1	0	8.8	0	0.9	-1	0.317	0	3.247	1	10.250	1	1985	51	1.2
1794.8	10000	38.1115	94.0501	-885	PC	3.1	0	8.8	0	0.9	-1	0.323	0	3.347	1	10.346	1	1978	40	1.2
1794.9	10000	38.1115	94.0493	-886	PC	3.1	0	8.8	0	0.9	-1	0.334	0	3.520	1	10.546	1	1964	36	1.2
1795.0	10000	38.1115	94.0485	-887	PC	3.1	0	8.8	0	0.9	-1	0.347	0	3.612	1	10.409	1	1941	52	1.2
1795.1	10000	38.1115	94.0477	-888	PC	3.1	0	8.8	0	0.9	-1	0.332	0	3.521	1	10.601	1	1906	44	1.2
1795.2	10000	38.1115	94.0469	-890	PC	3.1	0	8.8	0	0.9	-1	0.307	0	3.208	1	10.437	1	1900	54	1.2
1795.3	10000	38.1115	94.0461	-893	PC	3.1	0	8.8	0	0.9	-1	0.282	0	2.942	1	10.423	1	1894	43	1.2
1795.4	10000	38.1115	94.0453	-895	PC	3.1	0	8.8	0	0.9	-1	0.294	0	3.093	1	10.599	1	1857	53	1.2
1795.5	10000	38.1115	94.0445	-898	PC	3.1	0	8.8	0	0.9	-1	0.312	0	3.224	1	10.995	1	1851	33	1.2
1795.6	10000	38.1115	94.0437	-901	PC	3.1	0	8.8	0	0.9	-1	0.312	0	3.211	1	10.971	1	1842	46	1.2
1795.7	10000	38.1115	94.0428	-904	PC	3.1	0	8.8	0	0.9	-1	0.300	0	3.092	1	10.652	1	1831	39	1.2
1795.8	10000	38.1115	94.0420	-907	PC	3.1	0	8.8	0	0.9	-1	0.302	0	3.117	1	10.563	1	1850	46	1.2
1795.9	10000	38.1115	94.0412	-909	PC	3.1	0	8.8	0	0.9	-1	0.334	0	3.442	1	10.573	1	1839	47	1.2
1796.0	10000	38.1115	94.0404	-911	PC	3.1	0	8.8	0	0.9	-1	0.345	0	3.566	1	10.188	1	1840	46	1.2
1796.1	10000	38.1115	94.0396	-913	PC	2.8	0	8.8	0	0.9	-1	0.328	0	2.855	1	8.707	1	1851	46	1.2

LINE 710 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVFRAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1796.2	10000	38.1115	94.0388	-914	PC	2.6	-1	8.4	-1	1.0	-1	0.304	-1	2.662	0	8.751	0	1845	46	1.3
1796.3	10000	38.1116	94.0380	-914	PC	2.5	-1	8.7	0	1.0	-1	0.283	-1	2.547	-1	8.986	0	1824	56	1.3
1796.4	10000	38.1116	94.0372	-914	PC	2.3	-1	8.9	0	0.9	-1	0.262	-1	2.519	-1	9.632	1	1825	41	1.3
1796.5	10000	38.1116	94.0364	-913	PC	2.4	-1	8.8	0	0.9	-1	0.274	-1	2.722	0	9.928	1	1815	40	1.3
1796.6	10000	38.1116	94.0356	-911	PC	2.3	-1	8.6	-1	0.9	-1	0.273	-1	2.547	-1	9.338	0	1821	41	1.3
1796.7	10000	38.1116	94.0348	-908	PC	2.3	-1	8.5	-1	0.9	-1	0.267	-1	2.518	-1	9.441	0	1811	49	1.3
1796.8	10000	38.1116	94.0340	-907	PC	2.6	-1	8.8	0	0.9	-1	0.298	-1	2.957	0	9.935	1	1817	44	1.4
1796.9	10000	38.1116	94.0332	-905	PC	2.6	-1	8.8	0	0.9	-1	0.291	-1	2.873	0	9.868	1	1820	42	1.4
1797.0	10000	38.1116	94.0324	-903	PC	2.7	-1	8.6	-1	0.9	-1	0.310	0	2.943	0	9.502	1	1854	51	1.4
1797.1	10000	38.1116	94.0316	-901	PC	2.8	-1	8.4	-1	0.9	-1	0.331	0	3.069	0	9.285	1	1864	44	1.4
1797.2	10000	38.1116	94.0308	-899	PC	2.9	0	8.4	-1	0.9	-1	0.348	0	3.122	0	8.979	0	1864	39	1.4
1797.3	10000	38.1116	94.0300	-897	PC	2.9	0	8.6	0	0.9	-1	0.338	0	3.151	0	9.318	0	1843	52	1.4
1797.4	10000	38.1116	94.0291	-896	PC	3.1	0	8.9	0	0.9	-1	0.349	0	3.589	1	10.281	1	1831	57	1.4
1797.5	10000	38.1116	94.0283	-895	PC	3.0	0	9.0	0	0.8	-1	0.330	0	3.539	1	10.721	1	1825	37	1.4
1797.6	10000	38.1116	94.0275	-894	PC	3.2	0	8.6	-1	0.9	-1	0.355	0	3.551	1	10.003	1	1827	40	1.4
1797.7	10000	38.1116	94.0267	-893	PC	3.1	0	8.8	0	0.9	-1	0.360	0	3.736	1	10.387	1	1827	33	1.4
1797.8	10000	38.1116	94.0259	-892	PC	3.0	0	8.8	0	0.9	-1	0.350	0	3.501	1	10.008	1	1831	58	1.4
1797.9	10000	38.1116	94.0251	-892	PC	2.9	0	9.0	0	0.9	-1	0.327	0	3.432	1	10.489	1	1836	47	1.4
1798.0	10000	38.1116	94.0243	-892	PC	2.9	0	9.0	0	0.9	-1	0.321	0	3.349	0	10.450	1	1854	32	1.4
1798.1	10000	38.1116	94.0235	-891	PC	2.8	0	9.1	0	0.9	-1	0.310	0	3.069	0	9.906	1	1878	50	1.4
1798.2	10000	38.1116	94.0227	-890	PC	2.7	-1	8.8	-1	0.9	-1	0.306	-1	2.894	0	9.450	0	1894	56	1.4
1798.3	10000	38.1116	94.0219	-889	PC	2.6	-1	9.2	0	0.9	-1	0.286	-1	2.817	0	9.838	1	1906	44	1.4
1798.4	10000	38.1116	94.0211	-889	PC	2.4	-1	9.1	0	0.9	-1	0.263	-1	2.654	0	10.101	1	1906	49	1.4
1798.5	10000	38.1116	94.0203	-888	PC	2.5	-1	9.1	0	0.9	-1	0.273	-1	2.797	0	10.237	1	1893	48	1.5
1798.6	10000	38.1116	94.0195	-889	PC	2.6	-1	9.1	0	0.9	-1	0.281	-1	2.970	0	10.566	1	1879	43	1.5
1798.7	10000	38.1116	94.0187	-888	PC	2.3	-1	9.3	0	0.9	-1	0.252	-1	2.670	0	10.610	1	1859	61	1.5
1798.8	10000	38.1116	94.0179	-888	PC	2.4	-1	8.9	0	0.9	-1	0.275	-1	2.758	0	10.014	1	1839	47	1.5
1798.9	10000	38.1116	94.0171	-886	PC	2.4	-1	8.6	0	0.9	-1	0.273	-1	2.692	0	9.872	1	1817	26	1.5
1799.0	10000	38.1116	94.0163	-882	PC	2.5	-1	8.8	0	0.9	-1	0.286	-1	2.911	0	10.176	1	1814	55	1.5
1799.1	10000	38.1116	94.0154	-882	PC	2.9	-1	8.7	0	0.9	-1	0.328	0	3.304	0	10.078	1	1809	50	1.5
1799.2	10000	38.1116	94.0146	-885	PC	2.8	-1	8.8	0	0.9	-1	0.320	0	3.213	0	10.038	1	1833	53	1.5
1799.3	10000	38.1116	94.0138	-886	PC	2.7	-1	8.7	0	0.9	-1	0.309	0	2.917	0	9.432	1	1854	44	1.5
1799.4	10000	38.1116	94.0130	-885	PC	3.1	0	8.6	0	0.9	-1	0.361	0	3.499	1	9.694	1	1884	36	1.5
1799.5	10000	38.1116	94.0122	-884	PC	3.0	0	8.7	0	0.9	-1	0.352	0	3.486	1	9.909	1	1892	37	1.5
1799.6	10000	38.1116	94.0114	-884	PC	3.1	0	8.7	0	0.9	-1	0.352	0	3.547	1	10.064	1	1900	40	1.5
1799.7	10000	38.1116	94.0106	-882	PC	3.1	0	8.6	0	0.9	-1	0.363	0	3.699	1	10.195	1	1907	52	1.5
1799.8	10000	38.1116	94.0098	-881	PC	2.9	0	8.5	-1	0.8	-1	0.340	0	3.384	1	9.962	1	1916	45	1.6
1799.9	10000	38.1116	94.0090	-881	PC	2.8	0	8.6	-1	0.9	-1	0.325	0	3.187	1	9.888	1	1896	51	1.6
1800.0	10000	38.1116	94.0082	-881	PC	2.9	0	8.7	-1	0.9	-1	0.329	0	3.342	1	10.158	1	1883	59	1.6
1800.1	10000	38.1116	94.0074	-882	PC	2.5	0	8.6	-1	0.9	-1	0.297	-1	2.962	1	9.960	1	1872	60	1.6
1800.2	10000	38.1117	94.0066	-884	PC	2.6	0	8.8	0	0.9	-1	0.298	-1	3.001	1	10.059	1	1863	46	1.6
1800.3	10000	38.1116	94.0058	-886	PC	2.5	0	8.7	0	0.9	-1	0.283	-1	2.872	1	10.161	1	1838	43	1.6
1800.4	10000	38.1117	94.0050	-889	PC	2.2	-1	8.6	0	0.9	-1	0.255	-1	2.493	1	9.950	1	1808	36	1.6
1800.5	10000	38.1117	94.0042	-893	PC	2.1	-1	8.6	-1	0.8	-1	0.235	-1	2.422	1	10.298	1	1760	45	1.6
1800.6	10000	38.1117	94.0034	-898	PC	2.2	-1	8.5	-1	0.8	-1	0.252	-1	2.751	1	10.932	1	1736	46	1.6
1800.7	10000	38.1117	94.0025	-903	PC	2.1	-1	8.1	-1	0.8	-1	0.244	-1	2.647	1	10.849	1	1714	43	1.6
1800.8	10000	38.1117	94.0017	-908	PC	2.1	-1	8.1	-1	0.8	-1	0.264	-1	2.791	1	10.563	1	1689	57	1.6
1800.9	10000	38.1117	94.0009	-914	PC	2.0	-1	7.8	-2	0.7	-2	0.251	-1	2.677	1	10.685	1	1670	43	1.6
1801.0	10000	38.1117	94.0001	-920	PC	2.0	-2	7.6	-1	0.7	-2	0.260	-1	2.763	0	10.614	1	1666	31	1.6

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1535.3	10000	38.0260	95.9998	-1058	PS	4.0	2	9.0	-1	1.1	0	0.445	2	3.624	2	8.152	0	2118	45	1.8
1535.2	10000	38.0260	95.9991	-1057	PS	4.0	2	9.0	-1	1.1	0	0.451	2	3.706	2	8.218	0	2115	42	1.8
1535.1	10000	38.0260	95.9983	-1056	PS	3.8	1	8.7	-1	1.1	0	0.444	2	3.417	1	7.694	0	2123	46	1.8
1535.0	10000	38.0260	95.9975	-1055	PS	3.8	1	8.6	-1	1.1	0	0.442	2	3.358	1	7.595	-1	2123	43	1.8
1534.9	10000	38.0260	95.9968	-1053	PS	3.8	1	8.7	-1	1.1	0	0.430	2	3.303	1	7.686	0	2133	55	1.8
1534.8	10000	38.0260	95.9960	-1052	PS	3.5	1	9.2	0	1.1	0	0.376	1	3.146	1	8.370	0	2116	43	1.8
1534.7	10000	38.0260	95.9953	-1051	PS	3.0	0	9.4	0	1.1	0	0.318	0	2.684	0	8.430	0	2115	47	1.8
1534.6	10000	38.0260	95.9945	-1051	PS	3.0	0	9.1	0	1.1	0	0.332	0	2.687	0	8.081	0	2110	47	1.8
1534.5	10000	38.0260	95.9937	-1050	PS	2.9	0	9.2	0	1.1	0	0.320	0	2.659	0	8.306	0	2113	40	1.8
1534.4	10000	38.0260	95.9930	-1050	PS	3.0	0	9.3	0	1.0	-1	0.319	0	2.840	0	8.915	0	2092	52	1.8
1534.3	10000	38.0260	95.9922	-1049	PS	2.9	-1	9.3	0	1.0	-1	0.310	0	2.812	0	9.060	1	2067	55	1.8
1534.2	10000	38.0260	95.9914	-1048	PS	2.8	-1	9.0	-1	1.0	-1	0.313	0	2.798	0	8.927	1	2045	55	1.8
1534.1	10000	38.0260	95.9907	-1047	PS	2.8	-1	8.5	-1	1.1	-1	0.334	0	2.657	0	7.963	0	2032	43	1.8
1534.0	10000	38.0260	95.9899	-1046	PS	2.7	-1	8.4	-1	1.1	-1	0.323	0	2.558	0	7.907	0	1999	47	1.8
1533.9	10000	38.0261	95.9892	-1045	PS	2.3	-2	8.7	-1	1.0	-1	0.268	-1	2.249	-1	8.396	0	1969	45	1.7
1533.8	10000	38.0261	95.9884	-1043	PS	2.3	-2	8.6	-1	1.0	-1	0.261	-1	2.197	-1	8.402	0	1926	43	1.7
1533.7	10000	38.0261	95.9876	-1042	PS	2.2	-2	8.6	-1	1.1	-1	0.260	-1	2.094	-1	8.052	0	1908	41	1.7
1533.6	10000	38.0261	95.9869	-1041	PS	2.1	-2	9.0	-1	1.1	-1	0.231	-2	1.963	-1	8.504	0	1914	53	1.7
1533.5	10000	38.0261	95.9861	-1040	PS	2.1	-2	9.1	0	1.1	-1	0.229	-2	1.974	-1	8.609	0	1916	46	1.7
1533.4	10000	38.0261	95.9853	-1038	PS	2.2	-2	8.9	-1	1.0	-1	0.250	-1	2.168	-1	8.660	0	1926	52	1.7
1533.3	10000	38.0261	95.9846	-1037	PS	2.4	-2	9.0	-1	1.1	-1	0.265	-1	2.221	-1	8.393	0	1940	49	1.7
1533.2	10000	38.0261	95.9838	-1037	PS	2.6	-1	8.5	-1	1.1	0	0.306	0	2.363	-1	7.715	0	1966	42	1.7
1533.1	10000	38.0261	95.9830	-1036	PS	2.6	-1	8.5	-1	1.2	0	0.303	0	2.220	-1	7.331	-1	1994	50	1.7
1533.0	10000	38.0261	95.9823	-1035	PS	2.7	-1	8.7	-1	1.2	0	0.311	0	2.338	-1	7.519	-1	2011	39	1.7
1532.9	10000	38.0261	95.9815	-1036	PS	2.8	-1	8.2	-1	1.2	0	0.336	0	2.343	-1	6.976	-1	2014	47	1.7
1532.8	10000	38.0261	95.9808	-1035	PS	2.8	-1	8.4	-1	1.2	0	0.331	0	2.290	-1	6.917	-1	2023	50	1.7
1532.7	10000	38.0261	95.9800	-1035	PS	2.8	-1	8.8	-1	1.2	0	0.315	0	2.154	-1	6.837	-1	2020	52	1.7
1532.6	10000	38.0261	95.9792	-1035	PS	2.8	-1	8.8	-1	1.2	0	0.302	0	2.035	-1	6.729	-1	2024	42	1.6
1532.5	10000	38.0261	95.9785	-1035	PS	2.8	-1	8.8	-1	1.2	0	0.305	0	2.120	-1	6.959	-1	2013	54	1.6
1532.4	10000	38.0261	95.9777	-1035	PS	2.8	-1	8.8	-1	1.2	0	0.341	0	2.408	-1	7.062	-1	2026	41	1.6
1532.3	10000	38.0261	95.9769	-1035	PS	2.8	-1	8.8	-1	1.2	0	0.340	0	2.563	-1	7.529	-1	2033	45	1.6
1532.2	10000	38.0261	95.9762	-1035	PS	2.8	-1	8.8	-1	1.2	0	0.348	0	2.625	-1	7.548	-1	2046	44	1.6
1532.1	10000	38.0261	95.9754	-1033	PS	2.8	-1	8.8	-1	1.2	0	0.367	0	2.759	-1	7.513	-1	2037	50	1.6
1532.0	10000	38.0262	95.9747	-1030	PS	2.8	-1	8.8	-1	1.2	0	0.386	0	2.903	-1	7.871	-1	2034	49	1.6
1531.9	10000	38.0262	95.9739	-1027	PS	2.8	-1	8.8	-1	1.2	0	0.384	0	2.891	-1	7.881	-1	2033	36	1.6
1531.8	10000	38.0262	95.9731	-1028	PS	2.8	-1	8.8	-1	1.2	0	0.396	0	2.981	-1	7.519	-1	2036	52	1.5
1531.7	10000	38.0262	95.9724	-1032	PS	2.8	-1	8.8	-1	1.2	0	0.352	0	2.650	-1	7.713	-1	2037	58	1.5
1531.6	10000	38.0262	95.9716	-1034	PS	2.8	-1	8.8	-1	1.2	0	0.382	0	2.876	-1	7.954	-1	2060	37	1.5
1531.5	10000	38.0262	95.9708	-1032	PS	2.8	-1	8.8	-1	1.2	0	0.373	0	2.808	-1	7.904	-1	2083	58	1.5
1531.4	10000	38.0262	95.9701	-1028	PS	2.8	-1	8.8	-1	1.2	0	0.365	0	2.748	-1	7.856	-1	2130	43	1.5
1531.3	10000	38.0262	95.9693	-1021	PS	2.8	-1	8.8	-1	1.2	0	0.360	0	2.711	-1	7.673	-1	2188	45	1.5
1531.2	10000	38.0262	95.9686	-1014	PS	2.8	-1	8.8	-1	1.2	0	0.398	0	2.997	-1	7.606	-1	2253	51	1.5
1531.1	10000	38.0262	95.9678	-1009	PS	2.8	-1	8.8	-1	1.2	0	0.391	0	2.944	-1	7.234	-1	2347	42	1.4
1531.0	10000	38.0262	95.9670	-1013	PS	2.8	-1	8.8	-1	1.2	0	0.402	0	3.026	-1	7.175	-1	2460	41	1.4
1530.9	10000	38.0262	95.9663	-1025	PS	2.8	-1	8.8	-1	1.2	0	0.426	0	3.208	-1	7.155	-1	2548	48	1.4
1530.8	10000	38.0262	95.9655	-1033	PS	2.8	-1	8.8	-1	1.2	0	0.453	0	3.411	-1	7.483	-1	2580	36	1.4
1530.7	10000	38.0262	95.9647	-1038	PS	2.8	-1	8.8	-1	1.2	0	0.473	0	3.562	-1	7.489	-1	2561	51	1.4
1530.6	10000	38.0262	95.9640	-1041	PS	2.8	-1	8.8	-1	1.2	0	0.486	0	3.660	-1	7.476	-1	2524	68	1.4
1530.5	10000	38.0262	95.9632	-1044	PS	2.8	-1	8.8	-1	1.2	0	0.467	0	3.517	-1	7.085	-1	2484	47	1.4
1530.4	10000	38.0262	95.9624	-1047	PS	2.8	-1	8.8	-1	1.2	0	0.462	0	3.480	-1	7.023	-1	2408	53	1.3
1530.3	10000	38.0262	95.9617	-1050	PS	2.8	-1	8.8	-1	1.2	0	0.439	0	3.307	-1	7.093	-1	2306	56	1.3
1530.2	10000	38.0263	95.9609	-1052	PS	2.8	-1	8.8	-1	1.2	0	0.391	0	2.931	-1	7.493	-1	2206	62	1.3

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	CUAIR PPM
1530.1	10000	38.0263	95.9602	-1053	PW	3.4	1	8.9	-1	1.3	0	0.383	2	2.706	1	7.063	-1	2172	52	1.3
1530.0	10000	38.0263	95.9594	-1052	PW	3.4	1	9.2	-1	1.3	0	0.367	1	2.657	0	7.238	-1	2174	38	1.3
1529.9	10000	38.0263	95.9586	-1051	PW	3.2	0	9.5	0	1.2	0	0.333	1	2.539	0	7.614	-1	2171	42	1.3
1529.8	10000	38.0263	95.9579	-1051	PW	3.3	1	9.8	0	1.3	0	0.335	1	2.636	0	7.863	0	2158	67	1.3
1529.7	10000	38.0263	95.9571	-1051	PW	3.2	1	9.7	0	1.3	0	0.333	1	2.554	0	7.666	0	2165	55	1.2
1529.6	10000	38.0263	95.9564	-1049	PW	3.2	1	9.3	-1	1.3	0	0.342	1	2.510	0	7.340	-1	2170	41	1.2
1529.5	10000	38.0263	95.9556	-1046	PW	3.2	1	9.5	0	1.3	0	0.343	1	2.570	0	7.494	-1	2198	61	1.2
1529.4	10000	38.0263	95.9548	-1042	PW	3.7	1	9.7	0	1.3	0	0.377	2	2.873	1	7.614	-1	2246	55	1.2
1529.3	10000	38.0263	95.9541	-1035	PW	4.2	3	9.7	0	1.3	0	0.435	3	3.292	2	7.567	-1	2319	48	1.2
1529.2	10000	38.0263	95.9533	-1032	PW	4.8	4	9.4	-1	1.3	1	0.508	4	3.617	2	7.118	-1	2372	43	1.2
1529.1	10000	38.0263	95.9525	-1035	PW	4.9	4	9.2	-1	1.3	1	0.528	5	3.874	3	7.343	-1	2380	54	1.2
1529.0	10000	38.0263	95.9518	-1036	PW	5.1	4	9.6	0	1.3	1	0.530	5	3.892	3	7.341	-1	2385	54	1.2
1528.9	10000	38.0263	95.9510	-1039	PW	4.9	4	9.8	0	1.3	1	0.493	4	3.839	3	7.783	0	2371	46	1.1
1528.8	10000	38.0263	95.9503	-1043	PW	4.6	3	9.4	-1	1.2	0	0.488	4	3.673	3	7.523	-1	2327	48	1.1
1528.7	10000	38.0263	95.9495	-1048	PW	4.1	2	9.4	0	1.2	0	0.439	3	3.434	2	7.830	0	2259	40	1.1
1528.6	10000	38.0263	95.9487	-1050	PW	3.6	1	9.5	0	1.2	0	0.379	2	2.898	1	7.653	-1	2180	48	1.1
1528.5	10000	38.0263	95.9480	-1049	PW	3.1	0	9.3	0	1.2	0	0.329	1	2.585	0	7.847	0	2115	38	1.1
1528.4	10000	38.0263	95.9472	-1048	PW	2.9	0	9.5	0	1.2	0	0.307	0	2.402	0	7.825	0	2095	48	1.1
1528.3	10000	38.0263	95.9464	-1048	PW	2.7	-1	9.2	-1	1.1	-1	0.291	0	2.364	0	8.115	0	2048	43	1.1
1528.2	10000	38.0264	95.9457	-1050	PW	2.8	0	9.4	0	1.1	-1	0.294	0	2.438	0	8.301	0	1999	65	1.1
1528.1	10000	38.0264	95.9449	-1052	PW	2.8	0	9.6	0	1.1	-1	0.289	0	2.507	0	8.688	1	1946	51	1.0
1528.0	10000	38.0264	95.9442	-1053	PW	2.7	-1	9.3	-1	1.1	-1	0.285	0	2.397	0	8.416	0	1897	44	1.0
1527.9	10000	38.0264	95.9434	-1053	PW	2.6	-1	8.9	-1	1.1	-1	0.291	0	2.435	0	8.362	0	1859	41	1.0
1527.8	10000	38.0264	95.9426	-1054	PW	2.5	-1	9.1	-1	1.1	-1	0.275	-1	2.339	0	8.502	0	1827	50	1.0
1527.7	10000	38.0264	95.9419	-1054	PW	2.4	-1	8.9	-1	1.1	-1	0.273	-1	2.311	0	8.449	0	1810	53	1.0
1527.6	10000	38.0264	95.9411	-1053	PS	2.5	-1	8.9	-1	1.1	-1	0.285	-1	2.394	-1	8.407	0	1827	55	1.0
1527.5	10000	38.0264	95.9403	-1053	PS	2.6	-1	9.1	-1	1.1	-1	0.297	-1	2.530	-1	8.505	0	1858	47	1.0
1527.4	10000	38.0264	95.9396	-1052	PS	2.8	-1	9.3	-1	1.1	-1	0.320	-1	2.623	-1	8.191	0	1931	40	1.0
1527.3	10000	38.0264	95.9388	-1051	PS	3.0	-1	9.5	-1	1.1	-1	0.319	-1	2.613	-1	7.804	0	2005	51	1.0
1527.2	10000	38.0264	95.9380	-1050	PS	3.1	-1	9.6	-1	1.1	-1	0.342	-1	2.654	-1	7.325	0	2055	47	1.0
1527.1	10000	38.0264	95.9373	-1050	PS	3.3	-1	9.8	-1	1.1	-1	0.344	-1	2.650	-1	7.338	0	2106	45	1.0
1527.0	10000	38.0264	95.9365	-1049	PS	3.4	-1	9.8	-1	1.1	-1	0.356	-1	2.844	-1	7.255	0	2143	40	1.0
1526.9	10000	38.0264	95.9358	-1048	PS	3.5	-1	9.8	-1	1.1	-1	0.337	-1	2.876	-1	7.088	0	2172	46	1.0
1526.8	10000	38.0264	95.9350	-1047	PS	3.6	-1	9.8	-1	1.1	-1	0.323	-1	2.726	-1	7.097	0	2186	47	1.0
1526.7	10000	38.0264	95.9342	-1046	PS	3.6	-1	9.8	-1	1.1	-1	0.320	-1	2.608	-1	7.064	0	2188	47	1.0
1526.6	10000	38.0264	95.9335	-1045	PS	3.6	-1	9.8	-1	1.1	-1	0.294	-1	2.812	-1	7.799	0	2176	45	1.0
1526.5	10000	38.0264	95.9327	-1044	PS	3.6	-1	9.8	-1	1.1	-1	0.272	-1	2.747	-1	7.578	0	2172	44	0.9
1526.4	10000	38.0264	95.9319	-1043	PS	3.6	-1	9.8	-1	1.1	-1	0.254	-1	2.491	-1	7.484	0	2170	39	0.9
1526.3	10000	38.0264	95.9312	-1042	PS	3.6	-1	9.8	-1	1.1	-1	0.251	-1	2.377	-1	7.753	0	2162	57	0.9
1526.2	10000	38.0265	95.9304	-1041	PS	3.6	-1	9.8	-1	1.1	-1	0.237	-1	2.229	-1	7.887	0	2146	42	0.9
1526.1	10000	38.0265	95.9297	-1040	PS	3.6	-1	9.8	-1	1.1	-1	0.269	-1	2.273	-1	8.951	0	2149	49	0.9
1526.0	10000	38.0265	95.9289	-1038	PS	3.6	-1	9.8	-1	1.1	-1	0.287	-1	2.338	-1	8.300	0	2153	44	0.9
1525.9	10000	38.0265	95.9281	-1036	PS	3.6	-1	9.8	-1	1.1	-1	0.315	-1	2.251	-1	8.509	0	2150	54	0.9
1525.8	10000	38.0265	95.9274	-1033	PS	3.6	-1	9.8	-1	1.1	-1	0.315	-1	2.279	-1	8.261	0	2143	62	0.9
1525.7	10000	38.0265	95.9266	-1029	PS	3.6	-1	9.8	-1	1.1	-1	0.315	-1	2.285	-1	8.735	0	2112	39	0.9
1525.6	10000	38.0265	95.9258	-1025	PS	3.6	-1	9.8	-1	1.1	-1	0.315	-1	2.318	-1	8.015	0	2075	47	0.9
1525.5	10000	38.0265	95.9251	-1022	PS	3.6	-1	9.8	-1	1.1	-1	0.315	-1	2.315	-1	8.099	0	2015	48	0.9
1525.4	10000	38.0265	95.9243	-1020	PS	3.6	-1	9.8	-1	1.1	-1	0.315	-1	2.339	-1	8.663	0	1967	45	0.9
1525.3	10000	38.0265	95.9236	-1018	PS	3.6	-1	9.8	-1	1.1	-1	0.315	-1	2.341	-1	8.921	0	1912	47	0.9
1525.2	10000	38.0265	95.9228	-1017	PS	3.6	-1	9.8	-1	1.1	-1	0.315	-1	2.348	-1	8.128	0	1884	48	0.9
1525.1	10000	38.0265	95.9220	-1016	PS	3.6	-1	9.8	-1	1.1	-1	0.315	-1	2.324	-1	8.889	0	1862	45	0.9
1525.0	10000	38.0265	95.9213	-1015	PS	3.6	-1	9.8	-1	1.1	-1	0.315	-1	2.304	-1	8.976	0	1867	56	0.9

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1524.9	10000	38.0265	95.9205	-1026	PS	2.8	-1	9.5	0	0.9	-1	0.293	-1	2.989	1	10.186	2	1879	48	0.9
1524.8	10000	38.0265	95.9197	-1025	PS	2.8	-1	9.7	0	1.0	-1	0.294	-1	2.931	0	9.985	1	1924	48	0.9
1524.7	10000	38.0265	95.9190	-1024	PS	2.9	0	9.9	0	1.0	-1	0.296	-1	2.963	1	10.017	1	1952	56	0.9
1524.6	10000	38.0265	95.9182	-1022	PS	3.0	0	9.7	0	1.0	-1	0.309	0	2.971	1	9.607	1	1983	42	0.9
1524.5	10000	38.0265	95.9174	-1020	PS	3.1	0	9.3	0	1.1	-1	0.334	0	2.931	0	8.789	0	1990	44	0.9
1524.4	10000	38.0265	95.9167	-1019	PS	3.0	0	9.4	0	1.1	-1	0.316	0	2.747	0	8.690	0	1993	47	0.9
1524.3	10000	38.0265	95.9159	-1017	PS	3.2	0	9.4	0	1.1	0	0.346	0	2.941	0	8.507	0	1997	56	0.9
1524.2	10000	38.0266	95.9152	-1014	PS	3.4	1	9.6	0	1.1	0	0.351	0	3.043	1	8.661	0	2008	52	0.9
1524.1	10000	38.0266	95.9144	-1013	PS	3.6	1	9.3	0	1.1	0	0.387	1	3.276	1	8.462	0	2012	44	0.9
1524.0	10000	38.0266	95.9136	-1013	PS	3.5	1	9.3	0	1.1	0	0.374	1	3.049	1	8.151	0	2030	52	0.9
1523.9	10000	38.0266	95.9129	-1012	PS	3.7	1	9.2	0	1.1	0	0.398	1	3.275	1	8.230	0	2026	47	0.9
1523.8	10000	38.0266	95.9121	-1012	PS	3.5	1	9.3	0	1.2	0	0.373	1	3.015	1	8.074	0	2026	52	0.9
1523.7	10000	38.0266	95.9113	-1012	PS	3.5	1	9.5	0	1.1	0	0.374	1	3.100	1	8.285	0	2027	36	0.9
1523.6	10000	38.0266	95.9106	-1011	PS	3.3	0	9.2	0	1.1	0	0.360	1	2.892	0	8.038	0	2031	51	0.9
1523.5	10000	38.0266	95.9098	-1009	PS	3.3	0	9.4	0	1.1	0	0.347	0	2.867	0	8.264	0	2014	42	0.9
1523.4	10000	38.0266	95.9091	-1008	PS	3.1	0	9.6	0	1.1	0	0.324	0	2.823	0	8.708	0	1993	42	0.9
1523.3	10000	38.0266	95.9083	-1007	PS	3.2	0	9.4	0	1.0	-1	0.334	0	3.019	1	9.037	1	1972	52	0.9
1523.2	10000	38.0266	95.9075	-1006	PS	3.0	0	9.1	-1	1.1	0	0.327	0	2.701	0	8.265	0	1965	42	0.9
1523.1	10000	38.0266	95.9068	-1005	PS	3.0	0	9.5	0	1.1	0	0.314	0	2.720	0	8.669	0	1965	54	0.9
1523.0	10000	38.0266	95.9060	-1003	PS	3.2	0	9.7	0	1.1	0	0.327	0	2.807	0	8.591	0	1972	51	0.9
1522.9	10000	38.0266	95.9052	-1000	PS	3.3	0	9.7	0	1.1	0	0.335	0	2.830	0	8.446	0	1971	46	0.9
1522.8	10000	38.0266	95.9045	-997	PS	3.2	0	9.5	0	1.2	0	0.343	0	2.761	0	8.056	0	2001	58	0.9
1522.7	10000	38.0266	95.9037	-996	PS	3.4	1	9.4	0	1.2	0	0.358	1	2.849	0	7.959	0	2009	49	0.9
1522.6	10000	38.0266	95.9030	-997	PS	3.3	0	9.9	0	1.2	0	0.335	0	2.833	0	8.468	0	1996	54	0.9
1522.5	10000	38.0266	95.9022	-997	PS	3.4	1	10.3	1	1.1	0	0.334	1	3.056	1	9.142	1	1985	46	0.9
1522.4	10000	38.0266	95.9015	-996	PS	3.4	1	10.0	0	1.1	-1	0.341	0	3.174	1	9.308	1	1975	46	0.9
1522.3	10000	38.0266	95.9007	-992	PS	3.3	1	9.7	0	1.1	0	0.357	1	3.246	1	9.090	1	1952	52	0.9
1522.2	10000	38.0266	95.8999	-988	PS	3.3	1	9.5	0	1.1	0	0.365	1	3.455	1	9.475	1	1935	49	0.9
1522.1	10000	38.0266	95.8992	-984	PS	3.3	1	9.5	0	1.1	0	0.374	1	3.724	1	9.971	1	1901	52	0.9
1522.0	10000	38.0266	95.8984	-984	PS	3.3	1	9.5	0	1.1	0	0.357	1	3.548	1	9.950	1	1898	40	0.9
1521.9	10000	38.0266	95.8977	-987	PS	3.3	1	9.5	0	1.1	0	0.362	1	3.466	1	9.563	1	1886	58	0.9
1521.8	10000	38.0266	95.8969	-990	PS	3.3	1	9.5	0	1.1	0	0.355	1	3.482	1	9.822	1	1878	45	0.9
1521.7	10000	38.0266	95.8961	-991	PS	3.3	1	9.5	0	1.1	0	0.373	1	3.595	1	9.640	1	1867	59	0.9
1521.6	10000	38.0266	95.8954	-991	PS	3.3	1	9.5	0	1.1	0	0.333	1	3.124	1	9.369	1	1875	56	0.9
1521.5	10000	38.0266	95.8946	-990	PS	3.3	1	9.5	0	1.1	0	0.302	1	2.933	1	9.720	1	1863	55	0.9
1521.4	10000	38.0266	95.8939	-989	PS	3.3	1	9.5	0	1.1	0	0.307	1	2.783	1	9.223	1	1861	45	0.9
1521.3	10000	38.0266	95.8931	-988	PS	3.3	1	9.5	0	1.1	0	0.293	1	2.703	1	9.444	1	1857	34	0.9
1521.2	10000	38.0266	95.8924	-988	PS	3.3	1	9.5	0	1.1	0	0.305	1	2.621	1	8.868	1	1882	60	0.9
1521.1	10000	38.0266	95.8916	-988	PS	3.3	1	9.5	0	1.1	0	0.306	1	2.624	1	8.566	1	1898	36	0.9
1521.0	10000	38.0266	95.8909	-987	PS	3.3	1	9.5	0	1.1	0	0.308	1	2.632	1	8.533	1	1914	58	0.9
1520.9	10000	38.0266	95.8901	-985	PS	3.3	1	9.5	0	1.1	0	0.326	1	2.870	1	8.646	1	1920	59	0.9
1520.8	10000	38.0266	95.8893	-985	PS	3.3	1	9.5	0	1.1	0	0.346	1	2.928	1	8.463	1	1934	57	0.9
1520.7	10000	38.0266	95.8886	-985	PS	3.3	1	9.5	0	1.1	0	0.335	1	2.862	1	8.684	1	1953	59	0.9
1520.6	10000	38.0266	95.8878	-984	PS	3.3	1	9.5	0	1.1	0	0.331	1	2.847	1	8.496	1	1946	62	0.9
1520.5	10000	38.0266	95.8871	-982	PS	3.3	1	9.5	0	1.1	0	0.315	1	2.907	1	8.964	1	1912	50	0.9
1520.4	10000	38.0266	95.8863	-979	PS	3.3	1	9.5	0	1.1	0	0.299	1	2.825	1	9.215	1	1910	54	0.9
1520.3	10000	38.0266	95.8856	-977	PS	3.3	1	9.5	0	1.1	0	0.288	1	2.646	1	9.422	1	1919	49	0.9
1520.2	10000	38.0266	95.8848	-977	PS	3.3	1	9.5	0	1.1	0	0.293	1	2.753	1	9.271	1	1924	44	0.9
1520.1	10000	38.0265	95.8840	-979	PS	3.3	1	9.5	0	1.1	0	0.270	1	2.517	1	9.032	1	1943	53	0.9
1520.0	10000	38.0265	95.8833	-982	PS	3.3	1	9.5	0	1.1	0	0.273	1	2.488	1	9.290	1	1937	42	0.9
1519.9	10000	38.0265	95.8825	-982	PS	3.3	1	9.5	0	1.1	0	0.273	1	2.488	1	9.149	1	1945	41	0.9
1519.8	10000	38.0265	95.8818	-980	PS	3.3	1	9.5	0	1.1	0	0.273	1	2.488	1	9.105	1	1942	51	1.1

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1519.7	10000	38.0265	95.8810	-977	PS	2.5	-1	9.6	0	1.0	-1	0.265	-1	2.473	0	9.347	1	1932	45	1.1
1519.6	10000	38.0265	95.8803	-978	PS	2.5	-1	9.5	0	1.0	-1	0.267	-1	2.573	0	9.640	1	1912	51	1.1
1519.5	10000	38.0265	95.8795	-978	PS	2.6	-1	9.3	0	0.9	-2	0.279	-1	2.899	0	10.376	2	1890	47	1.1
1519.4	10000	38.0265	95.8788	-980	PS	2.5	-1	9.5	0	0.8	-2	0.261	-1	2.987	1	11.442	3	1844	55	1.1
1519.3	10000	38.0265	95.8780	-981	PS	2.8	-1	9.5	0	0.8	-2	0.295	-1	3.398	1	11.532	3	1839	46	1.1
1519.2	10000	38.0265	95.8772	-981	PS	2.8	-1	9.5	0	0.8	-2	0.289	-1	3.582	2	12.409	3	1847	51	1.1
1519.1	10000	38.0265	95.8765	-983	PS	3.0	0	9.6	0	0.8	-2	0.312	0	3.792	2	12.167	3	1866	43	1.1
1519.0	10000	38.0265	95.8757	-984	PS	3.1	0	9.3	0	0.8	-2	0.331	0	3.882	2	11.715	3	1866	46	1.1
1518.9	10000	38.0265	95.8750	-984	PS	3.1	0	9.5	0	0.8	-2	0.331	0	3.781	2	11.407	3	1863	37	1.1
1518.8	10000	38.0265	95.8742	-984	PS	2.9	0	9.5	0	0.8	-2	0.308	0	3.538	2	11.502	3	1870	42	1.1
1518.7	10000	38.0265	95.8735	-984	PS	3.0	0	9.1	0	0.8	-2	0.324	0	3.542	2	10.931	2	1876	70	1.1
1518.6	10000	38.0265	95.8727	-983	PS	3.1	0	8.9	-1	0.8	-2	0.346	0	3.683	2	10.647	2	1869	42	1.1
1518.5	10000	38.0265	95.8719	-982	PS	3.2	0	8.9	-1	0.9	-2	0.361	1	3.669	2	10.161	1	1860	53	1.1
1518.4	10000	38.0265	95.8712	-981	PS	3.2	0	9.0	-1	0.9	-2	0.362	1	3.734	2	10.316	2	1873	56	1.2
1518.3	10000	38.0265	95.8704	-980	PS	3.2	0	9.0	-1	0.9	-2	0.355	0	3.508	2	9.893	1	1889	43	1.2
1518.2	10000	38.0265	95.8697	-979	PS	3.0	0	9.1	-1	0.9	-2	0.334	0	3.437	1	10.280	2	1897	58	1.2
1518.1	10000	38.0265	95.8689	-978	PS	3.0	0	9.1	-1	0.9	-2	0.334	0	3.380	1	10.131	1	1916	45	1.2
1518.0	10000	38.0265	95.8681	-977	PS	3.0	0	9.6	0	0.9	-1	0.313	0	3.268	1	10.427	2	1947	48	1.2
1517.9	10000	38.0265	95.8674	-976	PS	2.7	-1	10.1	0	1.0	-1	0.268	-1	2.828	1	10.551	2	1978	49	1.2
1517.8	10000	38.0264	95.8666	-975	PS	2.5	-1	10.0	0	0.9	-1	0.254	-1	2.717	0	10.677	2	1987	50	1.2
1517.7	10000	38.0264	95.8659	-973	PS	2.4	-1	10.3	1	1.0	-1	0.235	-2	2.471	0	10.505	2	1989	48	1.2
1517.6	10000	38.0264	95.8651	-970	PS	2.6	-1	10.6	1	0.9	-1	0.249	-1	2.807	0	11.259	2	1973	63	1.2
1517.5	10000	38.0264	95.8644	-966	PS	2.7	-1	10.2	1	1.0	-1	0.265	-1	2.805	0	10.571	2	1960	48	1.2
1517.4	10000	38.0264	95.8636	-965	PS	2.8	-1	10.3	1	1.0	-1	0.271	-1	2.868	0	10.579	2	1941	43	1.2
1517.3	10000	38.0264	95.8629	-966	PS	2.8	-1	10.1	0	1.0	-1	0.272	-1	2.782	0	10.212	2	1926	51	1.2
1517.2	10000	38.0264	95.8621	-965	PS	2.8	-1	10.1	0	1.0	-1	0.277	-1	2.908	0	10.503	2	1908	46	1.2
1517.1	10000	38.0264	95.8613	-963	PS	2.8	-1	10.1	0	1.0	-1	0.275	-1	2.908	0	10.882	2	1890	49	1.2
1517.0	10000	38.0264	95.8606	-962	PS	2.8	-1	10.1	0	1.0	-1	0.290	-1	2.988	1	11.247	3	1879	56	1.2
1516.9	10000	38.0264	95.8598	-961	PS	2.8	-1	10.1	0	1.0	-1	0.263	-1	2.913	1	11.062	3	1864	53	1.2
1516.8	10000	38.0264	95.8591	-959	PS	2.8	-1	10.1	0	1.0	-1	0.276	-1	3.156	1	11.445	3	1870	52	1.2
1516.7	10000	38.0264	95.8583	-958	PS	2.8	-1	10.1	0	1.0	-1	0.279	-1	3.142	1	11.279	3	1870	45	1.2
1516.6	10000	38.0264	95.8576	-955	PS	2.8	-1	10.1	0	1.0	-1	0.269	-1	3.054	1	11.355	3	1876	47	1.2
1516.5	10000	38.0264	95.8568	-952	PS	2.8	-1	10.1	0	1.0	-1	0.264	-1	2.999	1	11.378	3	1885	44	1.2
1516.4	10000	38.0264	95.8560	-949	PS	2.8	-1	10.1	0	1.0	-1	0.290	-1	3.199	1	11.041	3	1896	36	1.2
1516.3	10000	38.0264	95.8553	-944	PS	2.8	-1	10.1	0	1.0	-1	0.286	-1	3.060	1	10.696	3	1920	39	1.2
1516.2	10000	38.0264	95.8545	-941	PS	2.8	-1	10.1	0	1.0	-1	0.299	-1	3.223	1	10.766	3	1952	53	1.2
1516.1	10000	38.0264	95.8538	-941	PS	2.8	-1	10.1	0	1.0	-1	0.301	-1	3.233	1	10.736	3	1962	64	1.2
1516.0	10000	38.0264	95.8530	-939	PS	2.8	-1	10.1	0	1.0	-1	0.295	-1	3.224	1	10.931	3	1989	44	1.2
1515.9	10000	38.0264	95.8523	-936	PS	2.8	-1	10.1	0	1.0	-1	0.291	-1	3.110	1	10.684	3	1999	37	1.2
1515.8	10000	38.0264	95.8515	-934	PS	2.8	-1	10.1	0	1.0	-1	0.284	-1	3.052	1	10.737	3	2007	55	1.2
1515.7	10000	38.0264	95.8508	-933	PS	2.8	-1	10.1	0	1.0	-1	0.261	-1	2.855	1	10.917	3	2008	68	1.2
1515.6	10000	38.0264	95.8500	-931	PS	2.8	-1	10.1	0	1.0	-1	0.251	-1	2.882	1	10.492	3	1984	42	1.2
1515.5	10000	38.0264	95.8492	-928	PS	2.8	-1	10.1	0	1.0	-1	0.256	-1	2.829	1	10.741	3	1977	45	1.2
1515.4	10000	38.0264	95.8485	-924	PS	2.8	-1	10.1	0	1.0	-1	0.250	-1	2.722	1	10.332	3	1979	37	1.2
1515.3	10000	38.0264	95.8477	-917	PS	2.8	-1	10.1	0	1.0	-1	0.272	-1	2.893	1	10.413	3	1966	52	1.2
1515.2	10000	38.0263	95.8470	-916	PS	2.8	-1	10.1	0	1.0	-1	0.289	-1	3.040	1	10.492	3	1971	36	1.2
1515.1	10000	38.0263	95.8462	-927	PS	2.8	-1	10.1	0	1.0	-1	0.277	-1	2.936	1	10.248	3	1967	39	1.2
1515.0	10000	38.0263	95.8454	-923	PS	2.8	-1	10.1	0	1.0	-1	0.336	-1	3.324	1	10.794	3	1977	57	1.2
1514.9	10000	38.0263	95.8447	-916	PS	2.8	-1	10.1	0	1.0	-1	0.345	-1	3.566	1	10.566	3	1990	56	1.2
1514.8	10000	38.0263	95.8439	-911	PS	2.8	-1	10.1	0	1.0	-1	0.356	-1	3.876	1	10.381	3	1983	43	1.2
1514.7	10000	38.0263	95.8432	-907	PS	2.8	-1	10.1	0	1.0	-1	0.339	-1	3.639	1	10.584	3	2000	48	1.2
1514.6	10000	38.0263	95.8424	-904	PS	2.8	-1	10.1	0	1.0	-1	0.324	-1	3.524	1	10.584	3	2019	51	1.2

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1514.5	10000	38.0263	95.8417	-900	PS	3.2	0	9.7	0	1.0	-1	0.332	0	3.346	1	10.090	1	2022	54	1.4
1514.4	10000	38.0263	95.8409	-897	PS	3.1	0	9.5	0	1.0	-1	0.327	0	3.069	1	9.393	1	2024	66	1.4
1514.3	10000	38.0263	95.8401	-895	PS	3.4	0	9.4	0	1.0	-1	0.359	1	3.282	1	9.156	1	2031	52	1.4
1514.2	10000	38.0263	95.8394	-892	PS	3.4	1	9.5	0	1.0	-1	0.356	1	3.273	1	9.181	1	2038	45	1.4
1514.1	10000	38.0263	95.8386	-890	PS	3.4	1	10.2	0	1.0	-1	0.338	1	3.432	1	10.155	1	2049	46	1.4
1514.0	10000	38.0263	95.8379	-888	PS	3.4	1	10.5	1	1.0	-1	0.325	0	3.448	1	10.611	2	2049	39	1.4
1513.9	10000	38.0263	95.8371	-886	PS	3.6	1	10.3	1	0.9	-1	0.356	1	3.879	2	10.903	2	2037	56	1.4
1513.8	10000	38.0263	95.8364	-884	PS	3.7	1	10.0	1	0.9	-1	0.368	1	3.939	2	10.694	2	2027	54	1.4
1513.7	10000	38.0263	95.8356	-883	PS	3.6	1	10.3	1	0.9	-2	0.352	0	4.084	3	11.593	3	2016	43	1.4
1513.6	10000	38.0263	95.8349	-881	PS	3.5	1	10.2	1	0.8	-2	0.347	0	4.272	3	12.302	3	1984	50	1.4
1513.5	10000	38.0263	95.8341	-880	PS	3.5	1	9.7	0	0.8	-2	0.365	1	4.305	3	11.788	3	1945	54	1.4
1513.4	10000	38.0263	95.8333	-878	PS	3.3	1	8.7	-1	0.9	-2	0.377	1	3.714	2	9.863	1	1893	31	1.4
1513.3	10000	38.0263	95.8326	-877	PS	3.2	1	8.1	-1	0.9	-2	0.399	1	3.622	2	9.089	1	1841	32	1.4
1513.2	10000	38.0263	95.8318	-878	PS	2.9	1	7.9	-2	0.9	-2	0.369	1	3.374	1	9.145	1	1789	26	1.4
1513.1	10000	38.0263	95.8311	-878	PS	2.9	1	7.5	-2	0.8	-2	0.383	1	3.451	1	9.014	1	1745	55	1.4
1513.0	10000	38.0263	95.8303	-877	PS	2.6	1	7.1	-2	0.8	-2	0.368	1	3.164	1	8.605	0	1684	51	1.5
1512.9	10000	38.0263	95.8296	-878	PS	2.4	1	7.3	-2	0.8	-2	0.327	0	2.886	0	8.824	0	1645	43	1.5
1512.8	10000	38.0263	95.8288	-880	PS	2.2	1	7.2	-2	0.8	-2	0.312	0	2.817	0	9.025	1	1603	53	1.5
1512.7	10000	38.0262	95.8280	-881	PS	2.1	1	7.4	-2	0.7	-2	0.279	-1	2.770	0	9.930	1	1578	50	1.5
1512.6	10000	38.0262	95.8273	-883	PS	2.0	2	7.0	-2	0.7	-3	0.290	-1	2.964	1	10.209	2	1550	34	1.5
1512.5	10000	38.0262	95.8265	-884	PS	2.2	2	7.2	-2	0.7	-3	0.309	0	3.138	1	10.142	1	1546	43	1.5
1512.4	10000	38.0262	95.8258	-885	PS	2.2	2	7.3	-2	0.7	-3	0.306	0	3.175	1	10.367	2	1555	43	1.5
1512.3	10000	38.0262	95.8250	-887	PS	2.2	2	7.4	-2	0.7	-3	0.298	-1	3.114	1	10.433	2	1585	54	1.5
1512.2	10000	38.0262	95.8243	-887	PS	2.4	1	7.4	-2	0.7	-3	0.321	0	3.338	1	10.384	2	1627	45	1.5
1512.1	10000	38.0262	95.8235	-888	PS	2.5	1	7.8	-2	0.7	-2	0.315	0	3.303	1	10.489	2	1664	51	1.5
1512.0	10000	38.0262	95.8228	-889	PS	2.6	1	8.1	-1	0.7	-2	0.327	1	3.645	2	11.131	2	1689	41	1.5
1511.9	10000	38.0262	95.8220	-890	PS	2.7	1	8.5	-1	0.8	-2	0.313	0	3.506	2	11.188	2	1708	80	1.5
1511.8	10000	38.0262	95.8212	-891	PS	2.7	1	8.3	-1	0.7	-2	0.326	0	3.716	2	11.389	2	1708	49	1.5
1511.7	10000	38.0262	95.8205	-892	PS	2.7	0	8.1	-1	0.7	-2	0.328	0	3.612	2	10.996	2	1682	51	1.5
1511.6	10000	38.0262	95.8197	-893	PS	2.5	0	7.5	0	0.7	-3	0.395	1	4.209	3	10.650	2	1659	68	1.5
1511.5	10000	38.0262	95.8190	-894	PS	2.3	0	7.1	0	0.7	-3	0.425	1	4.411	4	10.372	2	1617	39	1.5
1511.4	10000	38.0262	95.8182	-895	PS	2.0	0	6.9	0	0.6	-3	0.446	1	4.962	4	11.127	2	1579	49	1.5
1511.3	10000	38.0262	95.8174	-896	PS	2.1	0	6.6	0	0.6	-3	0.487	1	4.960	4	10.181	2	1561	46	1.5
1511.2	10000	38.0262	95.8167	-897	PS	2.3	0	6.6	0	0.6	-3	0.545	1	5.175	5	9.497	1	1538	58	1.5
1511.1	10000	38.0262	95.8159	-898	PS	2.0	0	6.6	0	0.6	-3	0.483	1	4.724	4	9.785	2	1524	45	1.5
1511.0	10000	38.0262	95.8152	-899	PS	2.0	0	6.7	0	0.6	-3	0.408	1	4.348	4	10.650	3	1507	58	1.5
1510.9	10000	38.0262	95.8144	-901	PS	2.0	1	7.2	-1	0.6	-3	0.362	1	4.409	5	12.172	3	1496	52	1.5
1510.8	10000	38.0262	95.8137	-902	PS	2.0	1	7.4	-1	0.6	-3	0.329	1	4.134	4	12.567	4	1511	51	1.5
1510.7	10000	38.0262	95.8129	-903	PS	2.0	1	7.4	-1	0.6	-3	0.326	1	4.064	4	12.453	4	1534	50	1.5
1510.6	10000	38.0262	95.8121	-904	PS	2.0	1	7.5	-1	0.6	-3	0.320	1	4.069	4	12.722	4	1547	47	1.5
1510.5	10000	38.0262	95.8114	-905	PS	2.0	1	7.6	-1	0.6	-3	0.320	1	4.223	4	13.183	4	1563	35	1.5
1510.4	10000	38.0262	95.8106	-906	PS	2.0	1	7.5	-1	0.6	-3	0.330	1	4.260	4	12.909	4	1565	56	1.5
1510.3	10000	38.0261	95.8099	-907	PS	2.0	1	7.0	-2	0.6	-3	0.369	1	4.424	4	11.999	3	1561	52	1.5
1510.2	10000	38.0261	95.8091	-907	PS	2.0	1	7.2	-2	0.6	-3	0.335	1	3.966	3	11.821	3	1577	45	1.5
1510.1	10000	38.0261	95.8084	-908	PS	2.0	1	7.5	-2	0.6	-3	0.327	1	4.001	4	12.230	4	1567	40	1.5
1510.0	10000	38.0261	95.8076	-909	PS	2.0	1	7.7	-2	0.6	-3	0.275	1	4.335	4	12.119	4	1575	53	1.5
1509.9	10000	38.0261	95.8069	-909	PS	1.9	1	7.1	-2	0.6	-3	0.241	1	3.868	3	11.916	3	1600	37	1.5
1509.8	10000	38.0261	95.8061	-910	PS	2.0	1	7.4	-2	0.6	-3	0.234	1	3.683	3	11.462	3	1651	49	1.5
1509.7	10000	38.0261	95.8053	-910	PS	2.0	1	7.9	-2	0.6	-3	0.226	1	3.573	3	11.395	3	1699	52	1.5
1509.6	10000	38.0261	95.8046	-910	PS	2.1	1	8.8	-2	0.6	-3	0.234	1	3.688	3	11.475	3	1752	45	1.5
1509.5	10000	38.0261	95.8038	-910	PS	2.3	1	9.2	-2	0.6	-3	0.252	1	3.842	3	11.274	3	1774	49	1.5
1509.4	10000	38.0261	95.8031	-910	PS	2.3	1	9.2	-2	0.6	-3	0.256	1	3.742	3	10.726	2	1806	45	1.5

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1509.3	10000	38.0261	95.8023	-910	PS	2.6	-1	9.0	-1	0.9	-2	0.290	-1	2.985	1	10.294	2	1830	47	1.5
1509.2	10000	38.0261	95.8016	-910	PS	2.9	0	8.8	-1	0.9	-2	0.330	0	3.414	1	10.349	2	1831	58	1.5
1509.1	10000	38.0261	95.8008	-909	PS	2.7	-1	8.4	-1	0.8	-2	0.322	0	3.321	1	10.308	2	1808	45	1.5
1509.0	10000	38.0261	95.8000	-909	PS	2.8	-1	8.1	-1	0.8	-2	0.347	0	3.390	1	9.762	1	1801	43	1.5
1508.9	10000	38.0261	95.7993	-909	PS	2.8	-1	8.2	-1	0.9	-2	0.338	0	3.231	1	9.546	1	1822	55	1.5
1508.8	10000	38.0261	95.7985	-908	PS	2.9	0	8.2	-1	0.9	-2	0.353	0	3.264	1	9.257	1	1858	48	1.5
1508.7	10000	38.0261	95.7978	-909	PS	2.5	0	8.0	-2	0.9	-2	0.395	1	3.553	2	8.988	1	1867	47	1.5
1508.6	10000	38.0261	95.7970	-909	PS	3.3	0	7.7	-2	0.9	-1	0.428	2	3.649	2	8.524	0	1880	52	1.5
1508.5	10000	38.0261	95.7963	-909	PS	3.3	0	7.9	-2	0.9	-1	0.417	2	3.557	2	8.521	0	1905	54	1.5
1508.4	10000	38.0261	95.7955	-908	PS	3.4	0	8.1	-1	0.9	-1	0.415	2	3.646	2	8.793	0	1913	45	1.5
1508.3	10000	38.0261	95.7947	-908	PS	3.4	0	8.5	-1	0.9	-1	0.402	1	3.626	2	9.011	1	1922	52	1.5
1508.2	10000	38.0261	95.7940	-908	PS	3.6	0	8.7	-1	0.9	-1	0.409	1	3.862	2	9.431	1	1904	48	1.5
1508.1	10000	38.0261	95.7932	-908	PS	3.4	0	8.4	-1	0.9	-1	0.397	1	3.620	2	9.108	1	1862	43	1.5
1508.0	10000	38.0260	95.7925	-908	PS	3.1	0	8.5	-1	0.9	-1	0.370	1	3.324	1	8.988	1	1863	47	1.4
1507.9	10000	38.0260	95.7917	-907	PS	3.0	0	8.8	-1	1.0	-1	0.345	1	3.109	1	9.016	1	1865	49	1.4
1507.8	10000	38.0260	95.7910	-907	PS	2.9	0	8.4	-1	1.0	-1	0.349	1	2.969	1	8.497	0	1859	34	1.4
1507.7	10000	38.0260	95.7902	-907	PS	2.8	-1	9.1	0	1.0	-1	0.311	0	2.826	0	9.085	1	1866	47	1.4
1507.6	10000	38.0260	95.7894	-907	PS	3.1	0	8.8	-1	1.0	-1	0.353	0	3.332	1	9.431	1	1850	42	1.4
1507.5	10000	38.0260	95.7887	-906	PS	2.9	0	9.1	0	1.0	-1	0.319	0	2.996	1	9.386	1	1858	50	1.4
1507.4	10000	38.0260	95.7879	-907	PS	3.1	0	9.4	0	1.0	-1	0.323	0	3.148	1	9.746	1	1876	45	1.4
1507.3	10000	38.0260	95.7871	-907	PS	3.0	0	9.3	0	0.9	-1	0.319	0	3.131	1	9.801	1	1870	42	1.4
1507.2	10000	38.0260	95.7864	-906	PS	3.2	0	9.3	0	0.9	-2	0.335	0	3.569	2	10.668	2	1851	46	1.4
1507.1	10000	38.0260	95.7856	-907	PS	3.1	0	9.8	0	0.9	-2	0.321	0	3.679	3	11.444	3	1850	51	1.4
1507.0	10000	38.0260	95.7848	-907	PS	3.4	1	9.2	0	0.8	-2	0.370	1	4.046	3	10.945	2	1868	46	1.4
1506.9	10000	38.0260	95.7841	-907	PS	3.3	0	9.4	0	0.9	-2	0.327	0	3.525	2	10.770	2	1895	49	1.4
1506.8	10000	38.0260	95.7833	-906	PS	3.3	0	9.4	0	0.9	-2	0.345	0	3.823	2	11.073	2	1925	56	1.4
1506.7	10000	38.0260	95.7825	-907	PS	3.3	0	9.7	0	0.9	-2	0.338	0	3.835	2	11.363	2	1957	47	1.4
1506.6	10000	38.0260	95.7818	-907	PS	3.3	0	9.9	0	0.9	-2	0.329	0	3.693	2	11.228	2	1986	46	1.4
1506.5	10000	38.0260	95.7810	-906	PS	3.2	0	10.0	0	0.9	-1	0.319	0	3.372	2	10.573	2	2017	31	1.4
1506.4	10000	38.0260	95.7803	-906	PS	3.1	0	9.8	0	1.0	-1	0.312	0	2.976	1	9.549	1	2049	49	1.4
1506.3	10000	38.0260	95.7795	-906	PS	3.0	0	9.8	0	1.0	-1	0.286	-1	2.621	0	9.169	1	2057	48	1.4
1506.2	10000	38.0260	95.7787	-906	PS	3.1	0	9.8	0	1.0	-1	0.307	0	2.779	1	9.042	1	2079	41	1.4
1506.1	10000	38.0260	95.7780	-905	PS	3.0	0	9.9	0	1.0	-1	0.295	0	2.567	1	8.706	1	2078	39	1.4
1506.0	10000	38.0260	95.7772	-905	PS	2.8	0	9.9	0	1.0	-1	0.287	0	2.340	1	8.154	1	2079	44	1.4
1505.9	10000	38.0260	95.7764	-905	PS	2.6	0	9.9	0	1.0	-1	0.260	0	2.171	1	8.338	1	2083	43	1.4
1505.8	10000	38.0260	95.7757	-904	PS	2.5	0	9.9	0	1.0	-1	0.243	0	2.050	1	8.431	1	2064	54	1.4
1505.7	10000	38.0260	95.7749	-904	PS	2.4	0	9.9	0	1.0	-1	0.240	0	2.159	1	8.999	1	2043	40	1.4
1505.6	10000	38.0260	95.7742	-904	PS	2.3	0	9.9	0	1.0	-1	0.230	0	2.157	1	9.391	1	2010	55	1.4
1505.5	10000	38.0260	95.7734	-904	PS	2.4	0	10.0	0	1.0	-1	0.232	0	2.192	1	9.454	1	1971	47	1.4
1505.4	10000	38.0260	95.7726	-904	PS	2.5	0	10.5	0	1.0	-1	0.238	0	2.438	1	8.955	1	1934	52	1.4
1505.3	10000	38.0260	95.7719	-904	PS	2.6	0	10.5	0	1.0	-1	0.253	0	2.402	1	9.500	1	1899	32	1.4
1505.2	10000	38.0260	95.7711	-904	PS	2.6	0	10.5	0	1.0	-1	0.279	0	2.740	1	9.820	1	1882	41	1.4
1505.1	10000	38.0260	95.7703	-902	PS	2.6	0	10.3	0	1.0	-1	0.283	0	2.757	1	9.729	1	1884	53	1.4
1505.0	10000	38.0260	95.7696	-902	PS	2.7	0	10.3	0	1.0	-1	0.289	0	2.913	1	10.066	1	1865	45	1.4
1504.9	10000	38.0260	95.7688	-902	PS	2.7	0	10.4	0	1.0	-1	0.294	0	2.883	2	10.492	2	1865	49	1.4
1504.8	10000	38.0260	95.7680	-901	PS	2.6	0	10.1	0	1.0	-1	0.275	0	2.655	2	10.927	2	1866	43	1.4
1504.7	10000	38.0260	95.7673	-901	PS	2.6	0	10.1	0	1.0	-1	0.257	0	2.585	2	10.733	2	1871	44	1.4
1504.6	10000	38.0260	95.7665	-902	PS	2.5	0	10.1	0	1.0	-1	0.253	0	2.507	2	10.051	2	1873	44	1.4
1504.5	10000	38.0259	95.7657	-901	PS	2.5	0	10.1	0	1.0	-1	0.271	0	2.697	2	10.997	2	1847	43	1.4
1504.4	10000	38.0259	95.7650	-901	PS	2.5	0	10.1	0	1.0	-1	0.289	0	2.975	2	10.981	2	1829	49	1.4
1504.3	10000	38.0260	95.7642	-901	PS	2.5	0	10.1	0	1.0	-1	0.277	0	2.812	2	10.153	2	1843	36	1.4
1504.2	10000	38.0259	95.7635	-901	PS	2.7	0	10.1	0	1.0	-1	0.268	0	3.012	2	10.888	2	1869	46	1.4

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1504.1	10000	38.0259	95.7627	-901	PS	2.6	-1	9.7	0	0.9	-1	0.273	-1	2.886	0	10.589	2	1887	52	1.2
1504.0	10000	38.0259	95.7619	-901	PS	2.9	-1	9.3	0	0.9	-2	0.309	0	3.177	1	10.285	2	1904	52	1.2
1503.9	10000	38.0259	95.7612	-901	PS	2.9	0	9.8	0	0.9	-1	0.300	0	3.223	1	10.754	2	1940	38	1.2
1503.8	10000	38.0259	95.7604	-901	PS	2.8	-1	10.3	1	1.0	-1	0.273	-1	2.908	0	10.639	2	1975	53	1.2
1503.7	10000	38.0259	95.7596	-900	PS	2.8	-1	10.6	1	1.0	-1	0.265	-1	2.923	0	11.030	2	2021	32	1.2
1503.6	10000	38.0259	95.7589	-900	PS	2.8	-1	10.2	0	1.0	-1	0.280	-1	2.968	1	10.602	2	2046	38	1.2
1503.5	10000	38.0259	95.7581	-900	PS	3.2	0	10.0	0	1.0	-1	0.324	0	3.332	1	10.290	2	2061	46	1.2
1503.4	10000	38.0259	95.7574	-900	PD	3.1	0	10.2	1	1.0	-1	0.306	0	3.165	1	10.347	1	2063	55	1.2
1503.3	10000	38.0259	95.7566	-899	PD	3.2	0	10.1	0	1.0	0	0.315	0	3.125	0	9.908	1	2065	46	1.2
1503.2	10000	38.0259	95.7558	-899	PD	3.3	0	10.0	0	1.0	-1	0.330	0	3.288	1	9.973	1	2060	60	1.2
1503.1	10000	38.0259	95.7551	-898	PD	3.6	1	9.7	0	1.0	-1	0.367	1	3.710	1	10.116	1	2056	54	1.2
1503.0	10000	38.0259	95.7543	-898	PD	3.8	1	9.6	0	1.0	-1	0.393	1	3.874	2	9.847	1	2031	50	1.2
1502.9	10000	38.0259	95.7535	-898	PD	3.4	1	9.7	0	1.0	-1	0.356	0	3.569	1	10.018	1	2000	39	1.2
1502.8	10000	38.0259	95.7528	-898	PD	3.3	0	9.6	0	0.9	-1	0.344	0	3.581	1	10.400	1	1958	48	1.2
1502.7	10000	38.0259	95.7520	-897	PD	3.6	1	9.3	0	0.9	-1	0.381	1	4.063	2	10.652	1	1921	37	1.2
1502.6	10000	38.0259	95.7513	-896	PD	3.4	1	9.3	0	0.9	-1	0.372	1	3.966	2	10.650	1	1897	31	1.2
1502.5	10000	38.0259	95.7505	-896	PD	3.2	0	9.1	0	0.9	-1	0.353	0	3.727	1	10.548	1	1875	51	1.2
1502.4	10000	38.0259	95.7497	-895	PD	3.0	0	9.0	-1	0.9	-1	0.334	0	3.292	1	9.862	1	1859	56	1.2
1502.3	10000	38.0259	95.7490	-895	PD	2.9	-1	8.9	-1	0.9	-1	0.323	0	3.220	1	9.962	1	1845	46	1.2
1502.2	10000	38.0259	95.7482	-894	PD	3.2	0	8.8	-1	0.8	-1	0.359	0	3.731	1	10.378	1	1834	45	1.2
1502.1	10000	38.0259	95.7474	-894	PD	2.9	-1	8.5	-1	0.9	-1	0.338	0	3.304	1	9.778	1	1827	49	1.2
1502.0	10000	38.0259	95.7467	-893	PD	2.8	-1	8.4	-1	0.9	-1	0.337	0	3.204	1	9.507	0	1830	54	1.2
1501.9	10000	38.0259	95.7459	-892	PD	2.8	-1	8.8	-1	0.9	-1	0.319	0	3.190	0	9.994	1	1826	39	1.2
1501.8	10000	38.0259	95.7451	-892	PD	2.8	-1	8.5	-1	0.9	-1	0.332	0	3.203	0	9.636	0	1825	54	1.2
1501.7	10000	38.0259	95.7444	-891	PD	2.7	-1	8.4	-1	0.9	-1	0.323	0	3.134	0	9.707	1	1810	44	1.2
1501.6	10000	38.0259	95.7436	-890	PD	2.8	-1	8.5	-1	0.9	-1	0.327	0	3.096	0	9.427	0	1805	38	1.2
1501.5	10000	38.0259	95.7428	-890	PD	2.7	-1	8.4	-1	0.9	-1	0.323	0	3.096	0	9.670	1	1783	57	1.2
1501.4	10000	38.0259	95.7421	-890	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1769	50	1.2
1501.3	10000	38.0259	95.7413	-889	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1744	61	1.2
1501.2	10000	38.0259	95.7406	-888	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1708	43	1.2
1501.1	10000	38.0258	95.7398	-887	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1664	32	1.2
1501.0	10000	38.0258	95.7390	-886	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1650	59	1.2
1500.9	10000	38.0258	95.7383	-886	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1612	58	1.2
1500.8	10000	38.0258	95.7375	-887	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1594	53	1.2
1500.7	10000	38.0258	95.7367	-886	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1593	49	1.2
1500.6	10000	38.0258	95.7360	-885	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1603	53	1.2
1500.5	10000	38.0258	95.7352	-884	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1629	47	1.2
1500.4	10000	38.0258	95.7345	-883	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1649	49	1.2
1500.3	10000	38.0258	95.7337	-883	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1647	51	1.2
1500.2	10000	38.0258	95.7329	-882	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1668	47	1.2
1500.1	10000	38.0258	95.7322	-881	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1695	52	1.2
1500.0	10000	38.0258	95.7314	-880	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1702	52	1.2
1499.9	10000	38.0258	95.7306	-879	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1712	44	1.2
1499.8	10000	38.0258	95.7299	-879	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1722	44	1.2
1499.7	10000	38.0258	95.7291	-878	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1739	46	1.2
1499.6	10000	38.0258	95.7283	-877	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1758	44	1.2
1499.5	10000	38.0258	95.7276	-876	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1764	39	1.2
1499.4	10000	38.0258	95.7268	-875	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1765	42	1.2
1499.3	10000	38.0258	95.7260	-874	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1781	45	1.2
1499.2	10000	38.0258	95.7253	-874	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1777	42	1.2
1499.1	10000	38.0258	95.7245	-872	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1766	45	1.2
1499.0	10000	38.0258	95.7238	-872	PD	2.8	-1	8.5	-1	0.9	-1	0.328	0	3.096	0	9.847	1	1744	42	1.2

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1498.9	10000	38.0258	95.7230	-871	PD	2.0	-2	8.6	-1	0.9	-1	0.234	-2	2.260	-1	9.651	0	1739	43	1.2
1498.8	10000	38.0258	95.7222	-870	PD	2.1	-2	8.9	-1	0.9	-1	0.229	-2	2.301	-1	10.030	1	1748	48	1.2
1498.7	10000	38.0258	95.7215	-870	PD	2.3	-2	8.7	-1	0.9	-1	0.262	-1	2.489	-1	9.493	0	1748	47	1.2
1498.6	10000	38.0258	95.7207	-869	PD	2.3	-2	8.5	-1	0.9	-1	0.265	-1	2.592	-1	9.782	1	1752	44	1.2
1498.5	10000	38.0258	95.7199	-868	PD	2.4	-2	8.5	-1	0.8	-2	0.278	-1	2.913	0	10.491	1	1766	58	1.2
1498.4	10000	38.0258	95.7192	-867	PD	2.3	-2	8.7	-1	0.9	-1	0.267	-1	2.703	0	10.133	1	1790	42	1.2
1498.3	10000	38.0258	95.7184	-867	PD	2.2	-2	9.2	0	0.9	-1	0.242	-2	2.532	-1	10.443	1	1805	49	1.2
1498.2	10000	38.0258	95.7177	-866	PD	2.2	-2	9.3	0	0.9	-1	0.235	-2	2.521	-1	10.727	1	1827	52	1.2
1498.1	10000	38.0258	95.7169	-865	PD	2.4	-2	9.4	0	0.9	-1	0.258	-1	2.737	0	10.594	1	1860	48	1.2
1498.0	10000	38.0257	95.7161	-865	PD	2.6	-1	9.3	0	0.9	-1	0.277	-1	2.998	0	10.830	1	1877	45	1.2
1497.9	10000	38.0257	95.7154	-864	PD	2.5	-2	9.8	0	0.9	-1	0.253	-1	2.762	0	10.933	1	1884	38	1.2
1497.8	10000	38.0257	95.7146	-863	PD	2.6	-1	9.6	0	1.0	-1	0.275	-1	2.728	0	9.932	1	1897	39	1.2
1497.7	10000	38.0257	95.7138	-862	PD	2.7	-1	9.6	0	0.9	-1	0.281	-1	2.888	0	10.294	1	1890	5[illegible]	1.2
1497.6	10000	38.0257	95.7131	-862	PD	2.8	-1	9.2	0	0.9	-1	0.301	-1	2.960	0	9.834	1	1884	55	1.2
1497.5	10000	38.0257	95.7123	-861	PD	2.6	-1	9.4	0	1.0	-1	0.276	-1	2.628	-1	9.535	0	1877	55	1.2
1497.4	10000	38.0257	95.7115	-861	PD	2.3	-2	9.2	0	1.0	-1	0.256	-1	2.427	-1	9.473	0	1847	35	1.2
1497.3	10000	38.0257	95.7108	-860	PD	2.3	-2	9.3	0	1.0	-1	0.248	-2	2.384	-1	9.600	0	1831	48	1.2
1497.2	10000	38.0257	95.7100	-859	PD	2.6	-1	9.3	0	1.0	-1	0.282	-1	2.743	0	9.736	1	1827	55	1.2
1497.1	10000	38.0257	95.7093	-859	PD	2.5	-1	9.2	0	0.9	-1	0.272	-1	2.886	0	10.619	1	1813	50	1.2
1497.0	10000	38.0257	95.7085	-858	PD	2.5	-1	9.3	0	0.9	-1	0.266	-1	2.814	0	10.561	1	1813	57	1.2
1496.9	10000	38.0257	95.7077	-858	PD	2.6	-1	9.6	0	0.9	-1	0.273	-1	2.976	0	10.892	1	1824	36	1.2
1496.8	10000	38.0257	95.7070	-857	PD	2.7	-1	9.3	0	0.8	-2	0.288	-1	3.262	1	11.308	2	1817	42	1.2
1496.7	10000	38.0257	95.7062	-856	PD	2.6	-1	9.2	0	0.8	-2	0.277	-1	3.060	0	11.042	1	1799	59	1.2
1496.6	10000	38.0257	95.7054	-856	PD	2.5	-1	9.4	0	0.8	-2	0.265	-1	2.978	0	11.240	2	1806	37	1.2
1496.5	10000	38.0257	95.7047	-855	PD	2.1	-2	9.2	0	0.8	-2	0.226	-2	2.619	-1	11.579	2	1789	44	1.2
1496.4	10000	38.0257	95.7039	-855	PD	2.4	-2	9.1	0	0.8	-2	0.263	-1	2.866	0	10.897	1	1780	38	1.2
1496.3	10000	38.0257	95.7031	-854	PD	2.4	-2	8.6	-1	0.8	-1	0.282	-1	2.884	0	10.219	1	1780	47	1.2
1496.2	10000	38.0257	95.7024	-853	PD	2.2	-2	8.9	-1	0.9	-1	0.251	-2	2.507	-1	10.007	1	1781	47	1.2
1496.1	10000	38.0257	95.7016	-853	PD	2.5	-1	9.0	-1	0.9	-1	0.276	-1	2.733	0	9.920	1	1791	35	1.2
1496.0	10000	38.0257	95.7009	-853	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	2.704	0	9.758	1	1810	50	1.2
1495.9	10000	38.0257	95.7001	-853	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	2.775	0	9.628	1	1812	49	1.2
1495.8	10000	38.0257	95.6993	-852	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	2.933	0	9.198	1	1825	56	1.1
1495.7	10000	38.0257	95.6986	-852	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	2.684	0	9.196	1	1862	44	1.1
1495.6	10000	38.0257	95.6978	-852	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	2.754	0	9.403	1	1877	50	1.1
1495.5	10000	38.0257	95.6970	-851	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	2.217	0	8.979	1	1901	41	1.1
1495.4	10000	38.0257	95.6963	-851	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	2.760	0	8.511	1	1927	44	1.1
1495.3	10000	38.0257	95.6955	-850	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	3.106	0	9.070	1	1962	50	1.1
1495.2	10000	38.0257	95.6947	-850	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	2.915	0	8.392	1	1993	45	1.1
1495.1	10000	38.0257	95.6940	-850	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	2.693	0	8.129	1	2012	45	1.1
1495.0	10000	38.0257	95.6932	-850	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	2.611	0	8.430	1	1989	53	1.1
1494.9	10000	38.0257	95.6925	-849	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	2.512	0	8.469	1	1993	47	1.1
1494.8	10000	38.0256	95.6917	-849	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	2.176	0	8.793	1	1977	40	1.1
1494.7	10000	38.0257	95.6909	-849	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	2.410	0	8.478	1	1940	46	1.1
1494.6	10000	38.0256	95.6902	-848	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	2.397	0	8.396	1	1885	47	1.1
1494.5	10000	38.0256	95.6894	-847	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	2.714	0	8.626	1	1822	62	1.1
1494.4	10000	38.0256	95.6886	-847	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	3.251	0	8.239	1	1772	47	1.1
1494.3	10000	38.0256	95.6879	-846	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	3.273	0	8.205	1	1747	50	1.1
1494.2	10000	38.0256	95.6871	-846	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	3.467	0	8.598	1	1705	46	1.1
1494.1	10000	38.0256	95.6863	-846	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	3.689	0	8.878	1	1671	46	1.1
1494.0	10000	38.0256	95.6856	-845	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	4.192	0	8.309	1	1656	59	1.1
1493.9	10000	38.0256	95.6848	-844	PD	2.5	-1	9.2	-1	0.9	-1	0.277	-1	4.227	0	8.474	1	1645	49	1.1
1493.8	10000	38.0256	95.6841	-843	PD	2.9	-1	9.2	-1	0.9	-1	0.369	-1	3.983	1	10.804	1	1656	46	1.0

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1493.7	10000	38.0256	95.6833	-842	PD	2.9	-1	8.1	-1	0.8	-2	0.364	1	3.809	1	10.466	1	1679	48	1.0
1493.6	10000	38.0256	95.6825	-841	PD	3.1	0	7.9	-1	0.8	-2	0.388	1	3.876	2	9.986	1	1674	46	1.0
1493.5	10000	38.0256	95.6818	-842	PD	2.8	-1	8.0	-1	0.8	-1	0.353	0	3.343	1	9.471	0	1683	71	1.0
1493.4	10000	38.0256	95.6810	-842	PD	3.0	0	7.7	-2	0.9	-1	0.389	1	3.491	1	8.972	0	1695	44	1.0
1493.3	10000	38.0256	95.6803	-841	PD	2.6	-1	7.8	-2	0.9	-1	0.337	0	2.949	0	8.757	0	1704	42	1.0
1493.2	10000	38.0256	95.6796	-840	PD	2.8	-1	7.8	-2	0.9	-1	0.360	1	3.115	0	8.647	0	1724	52	1.0
1493.1	10000	38.0256	95.6788	-840	PD	2.7	-1	8.0	-1	0.9	-1	0.342	0	2.949	0	8.624	0	1739	56	1.0
1493.0	10000	38.0256	95.6781	-839	PD	2.6	-1	7.9	-1	0.9	-1	0.325	0	2.863	0	8.806	0	1749	56	1.0
1492.9	10000	38.0257	95.6774	-838	PD	2.5	-1	8.4	-1	0.9	-1	0.298	-1	2.651	-1	8.910	0	1782	41	1.0
1492.8	10000	38.0257	95.6766	-837	PD	2.7	-1	8.4	-1	0.9	-1	0.325	0	2.962	0	9.127	0	1799	45	1.0
1492.7	10000	38.0257	95.6759	-837	PD	2.6	-1	9.1	0	0.9	-1	0.290	-1	2.859	0	9.862	1	1819	49	1.0
1492.6	10000	38.0257	95.6751	-836	PD	2.8	-1	9.2	0	0.9	-1	0.308	0	3.138	0	10.201	1	1826	44	0.9
1492.5	10000	38.0257	95.6744	-835	PD	2.7	-1	9.1	0	0.9	-1	0.298	-1	2.924	0	9.808	1	1836	51	0.9
1492.4	10000	38.0257	95.6736	-834	PD	2.9	0	9.1	0	0.9	-1	0.324	0	3.263	1	10.064	1	1831	47	0.9
1492.3	10000	38.0257	95.6729	-834	PD	3.1	0	9.0	-1	0.9	-1	0.340	0	3.275	1	9.622	0	1821	50	0.9
1492.2	10000	38.0257	95.6722	-833	PD	3.3	0	8.9	-1	0.9	-1	0.365	1	3.588	1	9.822	1	1803	49	0.9
1492.1	10000	38.0257	95.6714	-832	PD	3.2	0	8.8	-1	0.9	-1	0.367	1	3.711	1	10.116	1	1801	50	0.9
1492.0	10000	38.0257	95.6707	-832	PD	3.5	1	8.6	-1	0.9	-1	0.403	1	4.039	2	10.014	1	1785	42	0.9
1491.9	10000	38.0257	95.6699	-830	PD	3.5	1	8.6	-1	0.9	-1	0.405	1	3.963	2	9.773	1	1790	40	0.9
1491.8	10000	38.0257	95.6692	-830	PD	3.6	1	9.1	0	0.9	-1	0.393	1	4.138	2	10.533	1	1776	41	0.9
1491.7	10000	38.0257	95.6685	-829	PD	3.6	1	8.8	-1	0.8	-1	0.412	1	4.324	2	10.502	1	1772	48	0.9
1491.6	10000	38.0257	95.6677	-829	PD	3.6	1	9.2	-1	0.8	-2	0.399	1	4.559	3	11.419	2	1762	42	0.9
1491.5	10000	38.0257	95.6670	-828	PD	3.3	0	9.3	0	0.7	-2	0.356	0	4.395	2	12.354	2	1768	54	0.9
1491.4	10000	38.0257	95.6662	-814	PD	3.3	0	9.3	0	0.8	-2	0.356	0	4.283	2	12.025	2	1777	55	0.9
1491.3	10000	38.0257	95.6655	-849	PD	3.3	0	9.2	0	0.8	-2	0.356	0	4.303	2	12.083	2	1792	54	0.9
1491.2	10000	38.0257	95.6648	-826	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.094	2	11.866	2	1813	50	0.9
1491.1	10000	38.0257	95.6640	-824	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.134	2	11.984	2	1847	38	0.9
1491.0	10000	38.0257	95.6633	-824	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1899	44	0.9
1490.9	10000	38.0258	95.6625	-823	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1944	45	0.9
1490.8	10000	38.0258	95.6618	-822	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1981	43	0.9
1490.7	10000	38.0258	95.6611	-821	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1994	41	0.9
1490.6	10000	38.0258	95.6603	-821	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	2019	43	0.9
1490.5	10000	38.0258	95.6596	-820	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	2027	47	0.9
1490.4	10000	38.0258	95.6588	-819	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	2019	51	0.9
1490.3	10000	38.0258	95.6581	-819	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1991	39	0.9
1490.2	10000	38.0258	95.6574	-818	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1963	56	0.9
1490.1	10000	38.0258	95.6566	-817	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1942	55	0.9
1490.0	10000	38.0258	95.6559	-817	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1923	50	0.9
1489.9	10000	38.0258	95.6551	-816	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1897	45	0.9
1489.8	10000	38.0258	95.6544	-815	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1873	43	0.9
1489.7	10000	38.0258	95.6537	-814	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1853	41	0.9
1489.6	10000	38.0258	95.6529	-813	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1842	43	0.9
1489.5	10000	38.0258	95.6522	-812	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1854	35	0.9
1489.4	10000	38.0258	95.6514	-811	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1864	55	0.9
1489.3	10000	38.0258	95.6507	-810	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1882	54	0.9
1489.2	10000	38.0259	95.6500	-809	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1905	48	0.9
1489.1	10000	38.0259	95.6492	-809	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1919	44	0.9
1489.0	10000	38.0259	95.6485	-809	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1932	44	0.9
1488.9	10000	38.0259	95.6477	-809	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1955	44	0.9
1488.8	10000	38.0259	95.6470	-809	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1963	44	0.9
1488.7	10000	38.0259	95.6463	-809	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1957	44	0.9
1488.6	10000	38.0259	95.6455	-809	PD	3.4	0	9.2	0	0.8	-2	0.369	0	4.131	2	11.984	2	1957	44	0.9

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1488.5	10000	38.0259	95.6448	-808	PD	3.6	1	9.7	0	0.9	-1	0.377	1	4.190	2	11.113	2	1942	46	0.8
1488.4	10000	38.0259	95.6440	-808	PD	3.7	1	9.7	0	0.8	-2	0.380	1	4.418	2	11.632	2	1936	50	0.8
1488.3	10000	38.0259	95.6433	-807	PD	3.5	1	9.6	0	0.8	-2	0.359	1	4.216	2	11.729	2	1916	44	0.8
1488.2	10000	38.0259	95.6425	-806	PD	3.6	1	9.2	0	0.9	-1	0.387	1	4.193	2	10.829	1	1884	37	0.8
1488.1	10000	38.0259	95.6418	-805	PD	3.4	1	9.2	0	0.8	-1	0.373	1	4.055	2	10.860	1	1863	56	0.8
1488.0	10000	38.0259	95.6411	-805	PD	3.3	1	9.3	0	0.8	-2	0.354	1	4.282	2	12.092	2	1814	55	0.8
1487.9	10000	38.0259	95.6403	-805	PD	3.3	1	9.5	0	0.7	-2	0.344	1	4.395	2	12.781	3	1778	48	0.8
1487.8	10000	38.0259	95.6396	-804	PD	3.0	1	9.1	0	0.7	-2	0.330	1	4.006	2	12.150	2	1746	51	0.8
1487.7	10000	38.0259	95.6389	-804	PD	2.8	-1	8.8	-1	0.8	-2	0.317	1	3.696	1	11.666	2	1729	44	0.8
1487.6	10000	38.0259	95.6381	-803	PD	2.9	-1	8.7	-1	0.7	-2	0.330	0	4.018	2	12.179	2	1727	45	0.8
1487.5	10000	38.0259	95.6374	-803	PD	2.9	-1	9.4	0	0.7	-2	0.305	-1	4.122	2	13.510	3	1754	45	0.8
1487.4	10000	38.0260	95.6366	-802	PD	2.8	-1	9.6	0	0.7	-2	0.296	-1	4.121	2	13.900	3	1790	59	0.8
1487.3	10000	38.0260	95.6359	-802	PD	2.9	-1	9.6	0	0.8	-2	0.303	-1	3.829	1	12.650	3	1841	49	0.8
1487.2	10000	38.0260	95.6351	-802	PD	2.8	-1	9.4	0	0.8	-2	0.295	-1	3.598	1	12.182	2	1868	44	0.8
1487.1	10000	38.0260	95.6344	-801	PD	2.9	-1	10.0	0	0.8	-2	0.289	-1	3.702	1	12.813	3	1907	52	0.8
1487.0	10000	38.0260	95.6337	-801	PD	3.0	-1	9.9	0	0.8	-2	0.302	-1	3.798	1	12.578	3	1922	44	0.8
1486.9	10000	38.0260	95.6329	-801	PD	3.0	-1	10.0	0	0.9	-1	0.288	-1	3.412	1	11.834	2	1931	43	0.8
1486.8	10000	38.0260	95.6322	-800	PD	2.9	-1	9.9	0	1.0	-1	0.303	-1	3.016	1	9.946	1	1941	35	0.8
1486.7	10000	38.0260	95.6315	-800	PD	2.8	-1	9.9	0	1.0	-1	0.311	-1	3.011	0	9.676	1	1929	54	0.8
1486.6	10000	38.0260	95.6307	-799	PD	2.8	-1	9.8	0	1.0	-1	0.305	-1	2.862	0	9.380	1	1911	43	0.8
1486.5	10000	38.0260	95.6300	-799	PD	2.9	-1	9.8	0	1.0	-1	0.318	0	3.034	0	9.551	0	1908	48	0.8
1486.4	10000	38.0260	95.6292	-798	PD	2.8	-1	9.8	0	1.0	-1	0.318	0	2.827	0	8.894	0	1885	49	0.8
1486.3	10000	38.0260	95.6285	-798	PD	2.8	-1	9.8	0	1.0	-1	0.323	0	2.806	0	8.685	0	1868	51	0.8
1486.2	10000	38.0260	95.6277	-797	PD	2.8	-1	9.8	0	1.0	-1	0.339	0	2.852	0	8.409	0	1843	46	0.8
1486.1	10000	38.0260	95.6270	-797	PD	2.8	-1	9.8	0	1.0	-1	0.322	0	2.843	0	8.821	0	1803	51	0.8
1486.0	10000	38.0260	95.6263	-796	PD	2.8	-1	9.8	0	1.0	-1	0.318	0	2.949	0	9.280	0	1769	55	0.8
1485.9	10000	38.0260	95.6255	-796	QAL	2.7	-1	9.8	0	0.9	-1	0.314	0	3.006	1	9.567	1	1750	46	0.8
1485.8	10000	38.0260	95.6248	-795	QAL	2.7	-1	9.8	0	0.9	-1	0.297	-1	2.835	0	9.538	1	1732	45	0.8
1485.7	10000	38.0260	95.6240	-795	QAL	2.5	-1	9.8	0	0.9	-1	0.296	-1	2.828	0	9.553	1	1729	49	0.8
1485.6	10000	38.0261	95.6233	-794	QAL	2.5	-1	9.8	0	0.9	-1	0.253	-1	2.601	0	9.286	1	1723	50	0.8
1485.5	10000	38.0261	95.6226	-794	QAL	2.2	-1	9.8	0	0.9	-1	0.243	-1	2.527	0	9.386	1	1730	42	0.8
1485.4	10000	38.0261	95.6218	-793	QAL	2.2	-1	9.8	0	0.9	-1	0.236	-1	2.459	0	9.401	1	1750	52	0.8
1485.3	10000	38.0261	95.6211	-792	QAL	2.2	-1	9.8	0	0.9	-1	0.222	-1	2.195	0	9.874	1	1791	41	0.8
1485.2	10000	38.0261	95.6203	-792	QAL	2.2	-1	9.8	0	0.9	-1	0.215	-1	1.964	0	9.128	1	1836	52	0.8
1485.1	10000	38.0261	95.6196	-791	QAL	2.2	-1	9.8	0	0.9	-1	0.214	-1	1.878	0	8.778	1	1895	53	0.8
1485.0	10000	38.0261	95.6189	-790	QAL	2.2	-1	9.8	0	0.9	-1	0.212	-1	1.789	0	8.435	1	1945	39	0.8
1484.9	10000	38.0261	95.6181	-789	QAL	2.2	-1	9.8	0	0.9	-1	0.234	-1	1.759	0	7.517	1	1990	43	0.8
1484.8	10000	38.0261	95.6174	-789	QAL	2.2	-1	9.8	0	0.9	-1	0.244	-1	1.747	0	7.170	1	2034	32	0.8
1484.7	10000	38.0261	95.6166	-787	QAL	2.2	-1	9.8	0	0.9	-1	0.264	-1	1.798	0	6.804	1	2061	46	0.8
1484.6	10000	38.0261	95.6159	-786	QAL	2.2	-1	9.8	0	0.9	-1	0.270	-1	1.831	0	6.782	1	2078	57	0.8
1484.5	10000	38.0261	95.6152	-785	QAL	2.2	-1	9.8	0	0.9	-1	0.271	-1	1.830	0	6.763	1	2087	36	0.8
1484.4	10000	38.0261	95.6144	-783	QAL	2.2	-1	9.8	0	0.9	-1	0.304	-1	2.072	0	6.817	1	2080	61	0.8
1484.3	10000	38.0261	95.6137	-782	QAL	2.2	-1	9.8	0	0.9	-1	0.337	-1	2.327	0	6.567	1	2073	65	0.8
1484.2	10000	38.0261	95.6129	-780	QAL	2.2	-1	9.8	0	0.9	-1	0.365	-1	2.524	0	6.376	1	2088	44	0.8
1484.1	10000	38.0261	95.6122	-778	QAL	2.2	-1	9.8	0	0.9	-1	0.362	-1	2.365	0	6.422	1	2086	46	0.8
1484.0	10000	38.0261	95.6115	-776	QAL	2.2	-1	9.8	0	0.9	-1	0.369	-1	2.388	0	6.459	1	2109	45	0.8
1483.9	10000	38.0261	95.6107	-773	QAL	2.2	-1	9.8	0	0.9	-1	0.326	-1	2.131	0	6.596	1	2076	49	0.8
1483.8	10000	38.0262	95.6100	-770	QAL	2.2	-1	9.8	0	0.9	-1	0.331	-1	2.154	0	6.622	1	2088	50	0.8
1483.7	10000	38.0262	95.6092	-767	QAL	2.2	-1	9.8	0	0.9	-1	0.335	-1	2.166	0	6.525	1	2109	42	0.8
1483.6	10000	38.0262	95.6085	-764	QAL	2.2	-1	9.8	0	0.9	-1	0.333	-1	2.155	0	6.525	1	2076	52	0.8
1483.5	10000	38.0262	95.6078	-759	QAL	2.2	-1	9.8	0	0.9	-1	0.333	-1	2.155	0	6.525	1	2088	41	0.8
1483.4	10000	38.0262	95.6070	-755	QAL	2.2	-1	9.8	0	0.9	-1	0.333	-1	2.155	0	6.525	1	2109	53	0.8

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1483.3	10000	38.0262	95.6063	-750	QAL	2.6	-1	8.5	-1	1.4	0	0.305	0	1.923	-1	6.305	-1	1963	50	0.8
1483.2	10000	38.0262	95.6055	-745	QAL	2.7	-1	8.9	0	1.3	0	0.309	0	2.141	-1	6.926	0	1960	42	0.8
1483.1	10000	38.0262	95.6048	-739	QAL	2.4	-1	9.1	0	1.3	0	0.268	-1	1.819	-1	6.787	-1	1967	61	0.8
1483.0	10000	38.0262	95.6040	-734	QAL	2.4	-1	9.1	0	1.4	0	0.269	-1	1.792	-1	6.658	-1	1991	44	0.8
1482.9	10000	38.0262	95.6033	-727	QAL	2.6	-1	9.5	0	1.4	0	0.268	-1	1.831	-1	6.836	-1	2031	39	0.8
1482.8	10000	38.0262	95.6026	-720	QAL	2.7	-1	10.1	1	1.4	0	0.271	-1	2.008	-1	7.404	0	2072	48	0.8
1482.7	10000	38.0262	95.6018	-713	QAL	2.9	0	9.9	1	1.4	0	0.294	-1	2.090	-1	7.118	0	2102	51	0.8
1482.6	10000	38.0262	95.6011	-705	QAL	3.0	1	10.0	1	1.5	0	0.297	-1	2.027	-1	6.828	-1	2122	52	0.8
1482.5	10000	38.0262	95.6004	-699	QAL	3.1	1	9.6	1	1.5	0	0.327	-1	2.050	-1	6.272	-1	2133	42	0.8
1482.4	10000	38.0262	95.5996	-694	QAL	3.5	1	9.2	1	1.5	0	0.383	0	2.391	0	6.246	-1	2140	45	0.8
1482.3	10000	38.0262	95.5989	-689	QAL	3.6	1	9.3	1	1.5	0	0.386	0	2.444	0	6.325	-1	2141	51	0.8
1482.2	10000	38.0262	95.5981	-683	QAL	3.5	1	9.5	1	1.5	0	0.366	0	2.282	0	6.236	-1	2134	46	0.8
1482.1	10000	38.0262	95.5974	-678	QAL	3.0	1	9.2	1	1.6	0	0.328	-1	1.938	-1	5.910	-1	2108	42	0.8
1482.0	10000	38.0262	95.5966	-674	QAL	2.9	1	9.3	1	1.6	0	0.309	-1	1.868	-1	6.045	-1	2086	52	0.8
1481.9	10000	38.0262	95.5959	-670	QAL	2.9	1	9.4	1	1.5	0	0.312	-1	1.935	-1	6.207	-1	2051	45	0.8
1481.8	10000	38.0263	95.5952	-666	QAL	2.8	1	9.4	1	1.5	0	0.302	-1	1.963	-1	6.506	-1	2001	44	0.9
1481.7	10000	38.0263	95.5944	-661	QAL	2.5	1	9.1	1	1.5	0	0.279	-1	1.747	-1	6.272	-1	1950	44	0.9
1481.6	10000	38.0263	95.5937	-656	QAL	2.5	1	9.0	1	1.5	0	0.280	-1	1.790	-1	6.397	-1	1911	45	0.9
1481.5	10000	38.0263	95.5929	-652	QAL	2.7	1	8.7	1	1.5	0	0.336	-1	2.003	-1	5.955	-1	1882	41	0.9
1481.4	10000	38.0263	95.5922	-648	QAL	3.1	1	8.0	1	1.4	0	0.412	-1	2.290	-1	5.559	-1	1857	43	0.9
1481.3	10000	38.0263	95.5915	-643	QAL	3.2	1	7.7	1	1.3	0	0.415	-1	2.391	-1	5.767	-1	1876	46	0.9
1481.2	10000	38.0263	95.5907	-639	QAL	3.1	1	7.6	1	1.4	0	0.413	-1	2.237	-1	5.423	-1	1898	53	0.9
1481.1	10000	38.0263	95.5900	-635	QAL	2.9	1	7.4	1	1.4	0	0.416	-1	2.154	-1	5.182	-2	1943	51	0.9
1481.0	10000	38.0263	95.5892	-632	QAL	2.9	1	7.1	1	1.5	0	0.393	-1	2.164	-1	5.501	-1	2001	50	0.9
1480.9	10000	38.0263	95.5885	-628	QAL	2.8	1	7.2	1	1.6	0	0.381	-1	2.021	-1	5.300	-2	2055	45	0.8
1480.8	10000	38.0263	95.5878	-624	QAL	2.6	1	7.8	1	1.6	0	0.364	-1	1.983	-1	5.445	-1	2091	52	0.8
1480.7	10000	38.0263	95.5870	-621	QAL	2.6	1	8.0	1	1.6	0	0.329	-1	1.913	-1	5.814	-1	2124	37	0.8
1480.6	10000	38.0263	95.5863	-618	QAL	2.6	1	8.2	1	1.6	0	0.335	-1	1.929	-1	5.756	-1	2120	35	0.8
1480.5	10000	38.0263	95.5855	-615	QAL	2.6	1	8.2	1	1.5	0	0.345	-1	2.165	-1	6.273	-1	2119	35	0.8
1480.4	10000	38.0263	95.5848	-612	QAL	2.6	1	8.2	1	1.5	0	0.331	-1	2.142	-1	6.468	-1	2115	40	0.8
1480.3	10000	38.0263	95.5841	-610	QAL	2.6	1	8.2	1	1.5	0	0.340	-1	2.204	-1	6.468	-1	2113	45	0.8
1480.2	10000	38.0263	95.5833	-608	QAL	2.6	1	8.2	1	1.5	0	0.322	-1	2.213	-1	6.468	-1	2097	41	0.8
1480.1	10000	38.0263	95.5826	-606	QAL	2.6	1	8.2	1	1.5	0	0.311	-1	2.270	-1	6.468	-1	2073	46	0.8
1480.0	10000	38.0263	95.5818	-605	QAL	2.6	1	8.2	1	1.5	0	0.316	-1	2.141	-1	6.468	-1	2039	39	0.8
1479.9	10000	38.0264	95.5811	-604	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.234	-1	6.468	-1	1990	46	0.8
1479.8	10000	38.0264	95.5804	-604	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.240	-1	6.468	-1	1917	46	0.8
1479.7	10000	38.0264	95.5796	-603	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.460	-1	6.468	-1	1846	45	0.8
1479.6	10000	38.0264	95.5789	-604	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.342	-1	6.468	-1	1731	48	0.8
1479.5	10000	38.0264	95.5781	-604	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.476	-1	6.468	-1	1624	57	0.8
1479.4	10000	38.0264	95.5774	-605	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.376	-1	6.468	-1	1541	35	0.8
1479.3	10000	38.0264	95.5767	-605	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.521	-1	6.468	-1	1491	52	0.8
1479.2	10000	38.0264	95.5759	-606	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.388	-1	6.468	-1	1483	45	0.8
1479.1	10000	38.0264	95.5752	-608	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.350	-1	6.468	-1	1548	56	0.8
1479.0	10000	38.0264	95.5744	-609	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.365	-1	6.468	-1	1627	45	0.8
1478.9	10000	38.0265	95.5737	-610	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.401	-1	6.468	-1	1723	52	0.8
1478.8	10000	38.0265	95.5729	-612	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.357	-1	6.468	-1	1839	45	0.8
1478.7	10000	38.0265	95.5722	-615	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.166	-1	6.468	-1	1950	55	0.8
1478.6	10000	38.0266	95.5714	-617	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.088	-1	6.468	-1	2014	45	0.8
1478.5	10000	38.0266	95.5707	-618	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.031	-1	6.468	-1	2048	52	0.8
1478.4	10000	38.0267	95.5700	-621	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.046	-1	6.468	-1	2065	47	0.8
1478.3	10000	38.0267	95.5692	-623	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.046	-1	6.468	-1	2075	36	0.8
1478.2	10000	38.0267	95.5685	-623	QAL	2.6	1	8.2	1	1.5	0	0.324	-1	2.046	-1	6.468	-1	2068	51	0.8

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1478.1	10000	38.0267	95.5677	-625	QAL	3.0	0	8.7	0	1.5	1	0.351	0	2.008	-1	5.720	-1	2080	35	0.8
1478.0	10000	38.0267	95.5670	-627	QAL	2.9	0	9.3	0	1.5	1	0.314	0	1.987	-1	6.322	-1	2078	45	0.8
1477.9	10000	38.0267	95.5662	-628	QAL	2.6	-1	9.3	0	1.5	1	0.282	-1	1.776	-1	6.289	-1	2088	43	0.8
1477.8	10000	38.0268	95.5655	-630	QAL	2.7	-1	9.3	0	1.5	1	0.290	-1	1.758	-1	6.058	-1	2100	49	0.8
1477.7	10000	38.0268	95.5647	-631	QAL	2.7	-1	9.4	0	1.6	1	0.286	-1	1.718	-1	6.009	-1	2106	58	0.8
1477.6	10000	38.0268	95.5640	-632	QAL	2.5	-1	9.4	0	1.6	1	0.268	-1	1.603	-1	5.975	-1	2099	60	0.8
1477.5	10000	38.0269	95.5632	-633	QAL	2.8	0	9.5	0	1.6	1	0.297	-1	1.798	-1	6.054	-1	2120	49	0.8
1477.4	10000	38.0269	95.5625	-633	QAL	2.8	0	9.4	0	1.6	1	0.301	-1	1.816	-1	6.036	-1	2112	39	0.8
1477.3	10000	38.0269	95.5618	-633	QAL	2.8	0	9.2	0	1.6	1	0.306	0	1.766	-1	5.772	-1	2109	36	0.8
1477.2	10000	38.0269	95.5610	-633	QAL	3.1	0	9.2	0	1.6	1	0.334	0	1.929	-1	5.777	-1	2121	36	0.8
1477.1	10000	38.0270	95.5603	-633	QAL	3.0	0	9.0	0	1.5	1	0.333	0	1.941	-1	5.828	-1	2126	52	0.8
1477.0	10000	38.0270	95.5595	-632	QAL	2.9	0	8.7	0	1.5	1	0.329	0	1.860	-1	5.657	-1	2093	48	0.8
1476.9	10000	38.0270	95.5588	-631	QAL	2.9	0	9.0	0	1.5	1	0.327	0	1.973	-1	6.028	-1	2080	45	0.8
1476.8	10000	38.0271	95.5580	-629	QAL	3.0	0	9.0	0	1.4	1	0.332	0	2.059	-1	6.201	-1	2051	43	0.8
1476.7	10000	38.0271	95.5573	-627	QAL	3.0	0	9.2	0	1.4	1	0.329	0	2.202	-1	6.696	-1	2021	54	0.8
1476.6	10000	38.0271	95.5565	-626	QAL	3.0	0	9.6	0	1.3	1	0.314	0	2.327	0	7.418	0	1987	36	0.8
1476.5	10000	38.0271	95.5558	-624	QAL	2.8	0	9.1	0	1.2	1	0.308	0	2.272	0	7.380	0	1957	53	0.8
1476.4	10000	38.0272	95.5551	-622	QAL	2.9	0	9.3	0	1.2	1	0.317	0	2.420	0	7.630	0	1920	55	0.8
1476.3	10000	38.0272	95.5543	-620	QAL	3.1	0	9.3	0	1.1	1	0.334	0	2.707	0	8.111	0	1923	56	0.8
1476.2	10000	38.0272	95.5536	-619	QAL	3.2	0	9.1	0	1.2	1	0.346	0	2.744	0	7.936	0	1938	48	0.8
1476.1	10000	38.0272	95.5528	-618	QAL	3.0	0	9.2	0	1.2	1	0.327	0	2.557	0	7.808	0	1965	30	0.8
1476.0	10000	38.0273	95.5521	-617	QAL	3.1	0	9.2	0	1.2	1	0.333	0	2.548	0	7.644	0	1998	52	0.8
1475.9	10000	38.0273	95.5513	-616	QAL	3.2	0	8.6	0	1.3	1	0.369	0	2.431	0	6.597	-1	2032	40	0.8
1475.8	10000	38.0273	95.5506	-616	QAL	3.3	0	9.0	0	1.4	1	0.365	0	2.360	0	6.460	-1	2062	38	0.8
1475.7	10000	38.0274	95.5498	-617	QAL	3.2	0	9.4	0	1.4	1	0.336	0	2.231	0	6.641	-1	2091	47	0.8
1475.6	10000	38.0274	95.5491	-617	QAL	3.0	0	9.6	0	1.5	1	0.316	0	2.090	-1	6.621	-1	2123	46	0.8
1475.5	10000	38.0274	95.5483	-619	QAL	3.0	0	9.6	0	1.5	1	0.312	0	2.010	-1	6.454	-1	2126	51	0.8
1475.4	10000	38.0274	95.5476	-621	QAL	2.9	0	9.5	0	1.4	1	0.308	0	2.081	-1	6.745	-1	2111	52	0.8
1475.3	10000	38.0275	95.5468	-623	QAL	2.9	0	9.3	0	1.4	1	0.324	0	2.142	-1	6.603	-1	2101	49	0.8
1475.2	10000	38.0275	95.5461	-625	QAL	2.8	0	9.3	0	1.4	1	0.294	0	2.051	-1	6.970	-1	2100	42	0.8
1475.1	10000	38.0275	95.5454	-628	QAL	2.8	0	9.5	0	1.4	1	0.286	0	2.021	-1	7.113	-1	2097	43	0.8
1475.0	10000	38.0276	95.5446	-631	QAL	2.8	0	9.4	0	1.4	1	0.292	0	1.974	-1	6.904	-1	2103	46	0.8
1474.9	10000	38.0276	95.5439	-634	QAL	2.8	0	9.2	0	1.4	1	0.288	0	1.968	-1	6.749	-1	2086	54	0.8
1474.8	10000	38.0276	95.5431	-636	QAL	2.8	0	9.5	0	1.4	1	0.301	0	2.090	-1	7.260	-1	2095	50	0.8
1474.7	10000	38.0276	95.5424	-640	QAL	2.8	0	9.4	0	1.4	1	0.293	0	2.147	-1	7.125	-1	2111	40	0.8
1474.6	10000	38.0277	95.5416	-642	QAL	2.8	0	9.2	0	1.4	1	0.286	0	2.043	-1	6.980	-1	2122	45	0.8
1474.5	10000	38.0277	95.5409	-645	QAL	2.8	0	9.2	0	1.4	1	0.283	0	2.028	-1	6.886	-1	2147	46	0.8
1474.4	10000	38.0277	95.5401	-648	QAL	2.8	0	9.0	0	1.4	1	0.283	0	2.041	-1	6.229	-1	2149	51	0.8
1474.3	10000	38.0277	95.5394	-650	QAL	2.8	0	8.7	0	1.4	1	0.267	0	2.035	-1	6.186	-1	2180	48	0.8
1474.2	10000	38.0278	95.5387	-653	QAL	2.8	0	8.5	0	1.4	1	0.262	0	2.054	-1	6.682	-1	2207	37	0.8
1474.1	10000	38.0278	95.5379	-655	QAL	2.8	0	8.4	0	1.4	1	0.246	0	2.061	-1	6.091	-1	2216	44	0.8
1474.0	10000	38.0278	95.5372	-658	QAL	2.8	0	8.4	0	1.4	1	0.231	0	2.709	-1	6.945	-1	2213	52	0.8
1473.9	10000	38.0279	95.5364	-660	QAL	2.8	0	8.4	0	1.4	1	0.240	0	2.622	-1	7.037	-1	2226	52	0.8
1473.8	10000	38.0279	95.5357	-663	QAL	2.8	0	8.4	0	1.4	1	0.243	0	2.702	-1	7.090	-1	2215	49	0.8
1473.7	10000	38.0279	95.5349	-666	PPD	2.8	0	8.4	0	1.4	1	0.252	0	2.713	-1	7.046	-1	2228	34	0.8
1473.6	10000	38.0279	95.5342	-669	PPD	2.8	0	8.4	0	1.4	1	0.252	0	2.800	-1	7.137	-1	2203	60	0.8
1473.5	10000	38.0280	95.5334	-671	PPD	2.8	0	8.4	0	1.4	1	0.252	0	2.883	-1	7.693	-1	2184	47	0.8
1473.4	10000	38.0280	95.5327	-675	PPD	2.8	0	8.4	0	1.4	1	0.252	0	2.883	-1	7.335	-1	2147	53	0.8
1473.3	10000	38.0281	95.5319	-678	PPD	2.8	0	8.4	0	1.4	1	0.252	0	2.883	-1	7.706	-1	2130	38	0.8
1473.2	10000	38.0281	95.5312	-682	PPD	2.8	0	8.4	0	1.4	1	0.252	0	2.883	-1	7.198	-1	2117	54	0.8
1473.1	10000	38.0281	95.5305	-687	PPD	2.8	0	8.4	0	1.4	1	0.252	0	2.883	-1	7.440	-1	2106	48	0.8
1473.0	10000	38.0281	95.5297	-691	PD	2.8	0	8.4	0	1.4	1	0.252	0	2.883	-1	7.878	-1	2085	39	0.8

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1472.9	10000	38.0281	95.5290	-695	PD	3.8	1	10.5	1	1.2	0	0.358	0	3.190	0	8.911	0	2081	55	1.0
1472.8	10000	38.0282	95.5282	-698	PD	3.8	1	10.9	1	1.1	0	0.354	0	3.369	1	9.519	0	2095	48	1.0
1472.7	10000	38.0282	95.5275	-702	PD	3.6	1	10.7	1	1.2	0	0.332	0	3.060	0	9.213	0	2112	53	1.0
1472.6	10000	38.0282	95.5267	-706	PD	3.5	1	10.4	1	1.1	0	0.338	0	3.081	0	9.117	0	2129	52	1.0
1472.5	10000	38.0282	95.5260	-709	PD	3.3	0	10.3	1	1.1	0	0.318	0	2.857	0	8.988	0	2126	62	1.0
1472.4	10000	38.0283	95.5252	-713	PD	3.4	0	10.0	0	1.1	0	0.340	0	2.997	0	8.824	0	2128	49	1.0
1472.3	10000	38.0283	95.5245	-716	PD	3.4	0	9.8	0	1.2	0	0.347	0	2.888	0	8.311	0	2136	49	1.0
1472.2	10000	38.0283	95.5237	-719	PD	3.2	0	10.6	1	1.2	0	0.303	-1	2.740	0	9.039	0	2137	51	1.0
1472.1	10000	38.0284	95.5230	-722	PD	3.0	0	10.3	1	1.2	0	0.293	-1	2.542	-1	8.684	0	2119	48	1.1
1472.0	10000	38.0284	95.5222	-724	PLP	3.2	0	10.1	1	1.1	0	0.319	0	2.864	0	8.987	0	2121	49	1.1
1471.9	10000	38.0284	95.5215	-727	PLP	3.1	0	10.1	0	1.1	0	0.303	-1	2.681	0	8.838	0	2124	59	1.1
1471.8	10000	38.0284	95.5208	-729	PLP	3.2	0	10.0	0	1.1	0	0.319	0	2.794	0	8.748	0	2119	52	1.1
1471.7	10000	38.0285	95.5200	-732	PLP	3.0	0	10.1	1	1.2	0	0.297	-1	2.593	0	8.722	0	2109	57	1.1
1471.6	10000	38.0285	95.5193	-734	PLP	3.0	0	9.9	0	1.1	0	0.305	-1	2.748	0	9.009	0	2091	43	1.1
1471.5	10000	38.0285	95.5185	-736	PLP	3.3	0	9.3	0	1.1	0	0.353	0	3.021	0	8.570	0	2072	49	1.1
1471.4	10000	38.0285	95.5178	-738	PLP	3.4	0	9.7	0	1.1	0	0.347	0	3.142	0	9.065	0	2071	45	1.1
1471.3	10000	38.0286	95.5170	-740	PLP	3.3	0	9.7	0	1.1	0	0.339	0	3.040	0	8.956	0	2055	40	1.2
1471.2	10000	38.0286	95.5163	-741	PLP	3.3	0	10.3	1	1.1	0	0.324	0	3.042	0	9.384	1	2039	52	1.2
1471.1	10000	38.0286	95.5155	-743	PLP	3.2	0	10.3	1	1.1	0	0.308	-1	2.894	0	9.394	1	2038	38	1.2
1471.0	10000	38.0287	95.5148	-746	PLP	3.1	0	10.3	1	1.1	0	0.303	-1	2.814	0	9.274	1	2033	36	1.2
1470.9	10000	38.0287	95.5141	-749	QAL	2.9	0	10.3	1	1.1	-1	0.283	-1	2.597	0	9.191	1	2030	39	1.2
1470.8	10000	38.0287	95.5133	-750	QAL	2.7	-1	10.3	1	1.1	-1	0.263	-1	2.413	0	9.189	1	2036	58	1.2
1470.7	10000	38.0287	95.5126	-752	QAL	2.7	-1	10.2	1	1.1	-1	0.265	-1	2.409	0	9.095	1	2026	38	1.2
1470.6	10000	38.0288	95.5118	-754	QAL	2.7	-1	10.1	1	1.1	-1	0.270	-1	2.490	0	9.232	1	2007	55	1.2
1470.5	10000	38.0288	95.5111	-755	QAL	2.6	-1	9.5	0	1.1	-1	0.274	-1	2.429	0	8.877	1	1975	53	1.3
1470.4	10000	38.0288	95.5103	-756	QAL	2.7	-1	9.5	1	1.1	-1	0.284	-1	2.565	0	9.040	1	1934	51	1.3
1470.3	10000	38.0288	95.5096	-757	QAL	2.7	-1	9.4	1	1.1	-1	0.298	-1	2.852	0	9.580	1	1899	49	1.3
1470.2	10000	38.0289	95.5088	-758	QAL	2.9	-1	9.4	1	1.1	-1	0.329	-1	3.179	0	9.651	1	1884	53	1.3
1470.1	10000	38.0289	95.5081	-759	QAL	3.1	-1	9.4	1	1.1	-1	0.351	-1	3.348	0	9.545	1	1865	45	1.3
1470.0	10000	38.0289	95.5073	-761	QAL	3.2	-1	9.4	1	1.1	-1	0.365	-1	3.479	0	9.529	1	1862	46	1.4
1469.9	10000	38.0290	95.5066	-761	QAL	3.2	-1	9.4	1	1.1	-1	0.360	-1	3.284	0	9.123	1	1876	49	1.4
1469.8	10000	38.0290	95.5059	-762	QAL	3.2	-1	9.4	1	1.1	-1	0.353	-1	3.403	0	9.653	1	1893	66	1.4
1469.7	10000	38.0290	95.5051	-764	QAL	3.2	-1	9.4	1	1.1	-1	0.339	-1	3.325	0	9.799	1	1914	48	1.4
1469.6	10000	38.0290	95.5044	-764	QAL	3.2	-1	9.4	1	1.1	-1	0.316	-1	3.264	0	9.320	1	1943	52	1.4
1469.5	10000	38.0291	95.5036	-765	QAL	3.2	-1	9.4	1	1.1	-1	0.272	-1	2.810	0	9.345	1	1951	38	1.4
1469.4	10000	38.0291	95.5029	-766	QAL	3.2	-1	9.4	1	1.1	-1	0.267	-1	2.840	0	9.621	1	1966	94	1.4
1469.3	10000	38.0291	95.5021	-767	QAL	3.2	-1	9.4	1	1.1	-1	0.257	-1	2.820	0	9.974	1	1973	55	1.4
1469.2	10000	38.0291	95.5014	-768	QAL	3.2	-1	9.4	1	1.1	-1	0.240	-1	2.712	0	9.301	1	1984	85	1.4
1469.1	10000	38.0292	95.5006	-770	QAL	3.2	-1	9.4	1	1.1	-1	0.259	-1	2.745	0	9.591	1	1986	45	1.4
1469.0	10000	38.0292	95.4999	-771	QAL	3.2	-1	9.4	1	1.1	-1	0.248	-1	2.512	0	9.120	1	2003	95	1.4
1468.9	10000	38.0292	95.4991	-773	QAL	3.2	-1	9.4	1	1.1	-1	0.284	-1	2.751	0	9.681	1	2014	55	1.4
1468.8	10000	38.0293	95.4984	-774	QAL	3.2	-1	9.4	1	1.1	-1	0.260	-1	2.150	0	9.651	1	2027	47	1.4
1468.7	10000	38.0293	95.4977	-776	QAL	3.2	-1	9.4	1	1.1	-1	0.305	-1	2.162	0	9.592	1	2022	48	1.4
1468.6	10000	38.0293	95.4969	-778	QAL	3.2	-1	9.4	1	1.1	-1	0.335	-1	2.094	0	9.237	1	2008	47	1.4
1468.5	10000	38.0293	95.4962	-780	QAL	3.2	-1	9.4	1	1.1	-1	0.339	-1	2.591	0	9.281	1	1997	51	1.4
1468.4	10000	38.0294	95.4954	-782	QAL	3.2	-1	9.4	1	1.1	-1	0.395	-1	2.717	0	9.010	1	1982	60	1.4
1468.3	10000	38.0294	95.4947	-783	PLP	3.2	-1	9.4	1	1.1	-1	0.380	-1	2.214	0	9.669	1	1956	47	1.4
1468.2	10000	38.0294	95.4939	-785	PLP	3.2	-1	9.4	1	1.1	-1	0.356	-1	2.161	0	9.948	1	1929	51	1.4
1468.1	10000	38.0294	95.4932	-787	PLP	3.2	-1	9.4	1	1.1	-1	0.246	-1	2.488	0	9.711	1	1902	38	1.4
2547.4	10000	38.0282	95.4924	-915	PLP	2.3	-1	9.4	1	1.1	-1	0.262	-1	2.582	0	9.066	1	1780	62	1.4
2547.3	10000	38.0282	95.4917	-917	PLP	2.4	-1	9.4	1	1.1	-1	0.269	-1	2.728	0	9.863	1	1787	45	1.4
2547.2	10000	38.0282	95.4909	-919	PLP	2.5	-1	9.4	1	1.1	-1	0.266	-1	2.688	0	9.150	1	1780	55	1.4

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2547.1	10000	38.0282	95.4902	-921	PLP	2.4	-2	9.4	0	1.0	-1	0.256	-1	2.493	-1	9.735	1	1789	47	0.4
2547.0	10000	38.0282	95.4894	-922	PLP	2.8	-1	9.1	0	1.0	-1	0.306	-1	2.904	0	9.490	1	1785	42	0.4
2546.9	10000	38.0282	95.4886	-924	PLP	2.8	-1	9.2	0	1.0	-1	0.300	-1	2.880	0	9.596	1	1784	49	0.4
2546.8	10000	38.0282	95.4879	-926	PLP	2.8	-1	9.3	0	1.0	-1	0.305	-1	2.763	0	9.059	0	1786	41	0.4
2546.7	10000	38.0282	95.4871	-927	PLP	3.0	0	9.4	0	1.0	-1	0.319	0	2.996	0	9.399	1	1783	61	0.4
2546.6	10000	38.0282	95.4864	-928	PLP	3.0	0	9.8	0	1.0	-1	0.306	-1	2.970	0	9.711	1	1795	51	0.4
2546.5	10000	38.0282	95.4856	-930	PLP	3.0	-1	9.9	0	1.0	-1	0.301	-1	2.833	0	9.422	1	1799	44	0.4
2546.4	10000	38.0282	95.4849	-931	PLP	2.8	-1	9.6	0	1.0	-1	0.295	-1	2.870	0	9.734	1	1786	52	0.5
2546.3	10000	38.0282	95.4841	-931	PLP	2.7	-1	9.8	0	1.0	-1	0.279	-1	2.742	0	9.825	1	1800	60	0.5
2546.2	10000	38.0283	95.4834	-933	PLP	2.5	-2	9.9	0	1.0	-1	0.252	-2	2.476	-1	9.811	1	1810	56	0.5
2546.1	10000	38.0283	95.4826	-934	PLP	2.5	-1	9.6	0	1.0	-1	0.264	-1	2.581	0	9.787	1	1820	52	0.5
2546.0	10000	38.0283	95.4818	-934	PLP	2.5	-2	10.0	0	1.0	-1	0.250	-2	2.545	0	10.169	1	1833	56	0.5
2545.9	10000	38.0283	95.4811	-935	PLP	2.5	-1	10.1	0	1.0	-1	0.251	-2	2.538	0	10.130	1	1855	50	0.5
2545.8	10000	38.0283	95.4803	-935	PD	2.5	-1	10.1	0	1.0	-1	0.252	-1	2.647	-1	10.501	1	1842	41	0.5
2545.7	10000	38.0283	95.4796	-936	PD	2.9	-1	10.1	0	1.0	-1	0.287	-1	2.969	0	10.354	1	1858	41	0.5
2545.6	10000	38.0283	95.4788	-936	PD	2.8	-1	10.3	0	1.0	-1	0.266	-1	2.807	0	10.550	1	1862	47	0.5
2545.5	10000	38.0283	95.4781	-937	PD	2.6	-1	10.2	0	1.0	-1	0.251	-1	2.583	-1	10.272	1	1844	44	0.5
2545.4	10000	38.0283	95.4773	-936	PD	2.5	-1	10.1	0	1.0	-1	0.251	-1	2.535	-1	10.115	1	1838	45	0.5
2545.3	10000	38.0283	95.4765	-937	PD	2.4	-2	9.6	0	1.0	0	0.252	-1	2.349	-1	9.325	0	1823	43	0.5
2545.2	10000	38.0283	95.4758	-936	PD	2.2	-2	9.3	0	1.0	0	0.238	-2	2.181	-1	9.146	0	1785	62	0.5
2545.1	10000	38.0283	95.4750	-937	PD	2.3	-2	9.9	-1	1.0	0	0.256	-1	2.209	-1	8.646	0	1781	40	0.5
2545.0	10000	38.0283	95.4743	-936	PD	2.3	-2	9.1	0	1.0	-1	0.258	-1	2.329	-1	9.035	0	1770	53	0.5
2544.9	10000	38.0283	95.4735	-936	PD	2.4	-2	9.1	0	1.0	-1	0.263	-1	2.430	-1	9.258	0	1767	48	0.5
2544.8	10000	38.0283	95.4728	-936	PD	2.7	-1	9.0	-1	0.9	-1	0.296	-1	2.838	0	9.581	0	1779	47	0.5
2544.7	10000	38.0283	95.4720	-936	PD	2.7	-1	9.1	0	0.9	-1	0.297	-1	2.933	0	9.859	1	1774	40	0.5
2544.6	10000	38.0283	95.4713	-935	PD	3.0	0	9.5	0	0.9	-1	0.311	0	3.332	1	10.720	1	1761	46	0.5
2544.5	10000	38.0283	95.4705	-935	PD	3.2	0	9.6	0	0.9	-1	0.331	0	3.708	1	11.195	2	1747	43	0.5
2544.4	10000	38.0283	95.4697	-935	PD	2.8	-1	9.7	0	0.8	-2	0.308	0	3.764	1	12.209	2	1731	36	0.5
2544.3	10000	38.0283	95.4690	-935	PD	2.8	-1	9.7	0	0.8	-2	0.283	-1	3.518	1	12.417	2	1722	38	0.5
2544.2	10000	38.0283	95.4682	-934	PD	2.8	-1	9.3	0	0.8	-2	0.296	-1	3.612	1	12.221	2	1700	54	0.5
2544.1	10000	38.0283	95.4675	-934	PD	2.6	-1	9.3	0	0.8	-2	0.279	-1	3.363	1	12.035	2	1686	54	0.5
2544.0	10000	38.0283	95.4667	-934	PD	2.5	-2	9.4	0	0.8	-2	0.269	-1	3.238	1	12.047	2	1681	50	0.5
2543.9	10000	38.0283	95.4660	-933	PD	2.3	-2	9.4	0	0.8	-2	0.244	-2	2.957	1	12.122	2	1698	47	0.5
2543.8	10000	38.0283	95.4652	-933	PD	2.2	-2	9.4	0	0.8	-2	0.239	-2	2.804	1	11.739	2	1737	46	0.5
2543.7	10000	38.0284	95.4644	-932	PD	2.2	-2	9.5	0	0.8	-2	0.241	-2	2.573	1	10.684	1	1766	47	0.5
2543.6	10000	38.0284	95.4637	-931	PD	2.4	-2	9.5	0	0.9	-2	0.258	-2	2.711	1	10.513	1	1782	43	0.5
2543.5	10000	38.0284	95.4629	-930	PD	2.5	-2	9.6	0	0.9	-2	0.249	-2	2.537	1	10.202	1	1797	49	0.5
2543.4	10000	38.0284	95.4622	-930	PD	2.5	-2	9.7	0	0.9	-2	0.251	-2	2.583	1	10.278	1	1796	47	0.5
2543.3	10000	38.0284	95.4614	-928	PD	2.6	-2	9.7	0	0.9	-2	0.247	-2	2.545	1	10.310	1	1787	54	0.5
2543.2	10000	38.0284	95.4607	-928	PD	2.6	-2	9.3	0	0.9	-2	0.276	-2	2.706	1	9.806	1	1764	42	0.5
2543.1	10000	38.0284	95.4599	-926	PD	2.6	-2	9.3	0	0.9	-2	0.290	-2	2.731	1	9.407	1	1732	54	0.5
2543.0	10000	38.0284	95.4591	-926	PD	2.7	-2	9.8	0	0.9	-2	0.304	-2	3.037	1	10.007	1	1711	46	0.5
2542.9	10000	38.0284	95.4584	-924	PD	2.7	-2	9.8	0	0.9	-2	0.311	-2	3.065	1	9.862	1	1708	53	0.5
2542.8	10000	38.0284	95.4576	-922	PD	2.9	-1	9.8	0	0.9	-2	0.320	-2	3.230	1	10.099	1	1709	53	0.5
2542.7	10000	38.0284	95.4569	-920	PD	2.9	-1	9.8	0	0.9	-2	0.327	-2	3.287	1	10.064	1	1710	49	0.5
2542.6	10000	38.0284	95.4561	-917	PD	2.9	-1	9.8	0	0.9	-2	0.341	-2	3.390	1	9.957	1	1718	46	0.5
2542.5	10000	38.0284	95.4554	-915	PD	2.9	-1	9.8	0	0.9	-2	0.317	-2	3.268	1	10.308	1	1724	48	0.5
2542.4	10000	38.0284	95.4546	-914	PD	2.9	-1	9.8	0	0.9	-2	0.303	-2	3.283	1	10.837	2	1739	53	0.5
2542.3	10000	38.0284	95.4538	-911	PD	2.9	-1	9.8	0	0.9	-2	0.309	-2	3.297	1	10.661	2	1760	53	0.5
2542.2	10000	38.0284	95.4531	-909	PD	2.9	-1	9.8	0	0.9	-2	0.293	-2	3.118	1	10.657	2	1764	50	0.5
2542.1	10000	38.0284	95.4523	-907	PD	2.9	-1	9.8	0	0.9	-2	0.284	-2	3.085	1	10.866	2	1785	47	0.5
2542.0	10000	38.0284	95.4516	-907	PL	2.9	-1	10.2	0	0.9	-2	0.281	-2	3.227	1	11.493	2	1808	39	0.5

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2541.9	10000	38.0284	95.4508	-905	PLP	2.9	-1	10.5	1	0.9	-1	0.274	-1	3.213	1	11.713	2	1828	50	0.5
2541.8	10000	38.0284	95.4501	-903	PLP	2.9	-1	10.6	1	0.9	-1	0.272	-1	3.114	0	11.468	2	1840	47	0.5
2541.7	10000	38.0284	95.4493	-901	PLP	2.6	-1	10.4	1	0.9	-1	0.250	-2	2.766	0	11.051	2	1834	49	0.5
2541.6	10000	38.0284	95.4485	-899	PLP	2.5	-1	10.6	1	1.0	-1	0.239	-2	2.569	0	10.764	2	1826	54	0.5
2541.5	10000	38.0284	95.4478	-897	PLP	2.7	-1	10.0	1	1.0	-1	0.269	-1	2.719	0	10.113	1	1814	50	0.5
2541.4	10000	38.0284	95.4470	-895	PLP	2.7	-1	9.9	0	1.0	-1	0.273	-1	2.701	0	9.886	1	1800	47	0.5
2541.3	10000	38.0285	95.4463	-892	PLP	2.4	-2	9.4	0	1.0	-1	0.258	-1	2.329	-1	9.040	0	1800	52	0.5
2541.2	10000	38.0284	95.4455	-890	PLP	2.5	-2	9.2	0	1.1	0	0.270	-1	2.316	-1	8.583	0	1795	51	0.5
2541.1	10000	38.0285	95.4448	-888	PLP	2.5	-2	8.9	-1	1.1	0	0.278	-1	2.282	-1	8.194	0	1803	55	0.5
2541.0	10000	38.0285	95.4440	-886	PLP	2.7	-1	9.2	0	1.0	-1	0.293	-1	2.583	0	8.802	0	1816	49	0.5
2540.9	10000	38.0285	95.4433	-883	PLP	2.5	-2	9.5	0	1.1	-1	0.259	-1	2.338	-1	9.009	0	1837	53	0.5
2540.8	10000	38.0285	95.4425	-881	PLP	2.2	-2	10.3	1	1.1	-1	0.217	-2	2.118	-1	9.778	1	1872	46	0.5
2540.7	10000	38.0285	95.4417	-879	PLP	2.2	-2	10.5	1	1.1	0	0.214	-2	2.066	-1	9.636	1	1913	48	0.5
2540.6	10000	38.0285	95.4410	-877	PLP	2.5	-2	10.4	1	1.1	0	0.237	-2	2.245	-1	9.464	1	1932	53	0.5
2540.5	10000	38.0285	95.4402	-875	PLP	2.6	-1	10.5	1	1.1	0	0.244	-2	2.351	-1	9.653	1	1961	36	0.5
2540.4	10000	38.0285	95.4395	-872	PLP	2.8	-1	11.1	1	1.1	0	0.251	-2	2.573	0	10.254	1	1999	43	0.5
2540.3	10000	38.0285	95.4387	-870	PLP	2.9	-1	10.9	1	1.1	0	0.266	-1	2.661	0	9.996	1	2025	43	0.5
2540.2	10000	38.0285	95.4380	-869	PLP	3.1	0	10.5	1	1.1	0	0.291	-1	2.852	0	9.788	1	2028	61	0.5
2540.1	10000	38.0285	95.4372	-867	PLP	3.3	0	10.5	1	1.0	-1	0.309	0	3.138	0	10.153	1	2026	50	0.5
2540.0	10000	38.0285	95.4364	-865	PLP	3.2	0	10.3	1	1.0	-1	0.310	0	3.067	0	9.890	1	2013	44	0.5
2539.9	10000	38.0285	95.4357	-864	PLP	3.3	0	10.7	1	1.0	-1	0.306	-1	3.255	1	10.631	2	2014	44	0.4
2539.8	10000	38.0285	95.4349	-863	PLP	3.2	0	10.5	1	1.0	-1	0.306	-1	3.196	1	10.432	1	2009	60	0.4
2539.7	10000	38.0285	95.4342	-861	PLP	3.3	0	10.2	1	1.0	-1	0.306	-1	3.077	0	10.044	1	1990	51	0.4
2539.6	10000	38.0285	95.4334	-860	PLP	3.4	0	9.6	0	1.0	-1	0.337	0	3.178	1	9.421	1	1990	54	0.4
2539.5	10000	38.0285	95.4327	-859	PLP	3.4	0	9.8	0	1.0	-1	0.350	0	3.297	1	9.431	1	1985	47	0.4
2539.4	10000	38.0285	95.4319	-858	PLP	3.4	0	9.6	0	1.1	0	0.358	0	3.091	0	8.623	1	1986	53	0.4
2539.3	10000	38.0285	95.4312	-857	PLP	3.5	0	9.2	0	1.1	0	0.381	0	3.260	1	8.568	0	1969	50	0.4
2539.2	10000	38.0285	95.4304	-857	PLP	3.5	0	8.8	-1	1.1	0	0.397	1	3.114	0	7.840	0	1961	49	0.4
2539.1	10000	38.0285	95.4296	-855	PLP	3.6	0	9.1	0	1.1	0	0.394	1	3.266	1	8.289	0	1959	52	0.4
2539.0	10000	38.0285	95.4289	-855	PLP	3.5	0	8.9	-1	1.1	0	0.361	0	3.223	1	8.935	0	1950	50	0.4
2538.9	10000	38.0285	95.4281	-854	PLP	3.6	0	9.1	0	1.1	0	0.312	0	2.936	0	8.402	0	1904	55	0.4
2538.8	10000	38.0285	95.4274	-853	PLP	3.6	0	9.2	0	1.1	0	0.308	0	3.017	0	8.795	0	1878	58	0.4
2538.7	10000	38.0286	95.4266	-852	PLP	3.6	0	9.2	0	1.1	0	0.299	0	2.973	0	9.934	1	1849	53	0.4
2538.6	10000	38.0285	95.4259	-849	PLP	3.6	0	9.2	0	1.1	0	0.302	0	3.106	0	10.287	1	1827	56	0.4
2538.5	10000	38.0286	95.4251	-844	PLP	3.6	0	9.2	0	1.1	0	0.285	0	3.103	0	10.903	2	1794	62	0.4
2538.4	10000	38.0286	95.4243	-837	PLP	3.6	0	9.2	0	1.1	0	0.265	0	2.854	0	10.765	2	1757	57	0.4
2538.3	10000	38.0286	95.4236	-835	PLP	3.6	0	9.2	0	1.1	0	0.308	0	3.092	0	10.028	2	1731	43	0.4
2538.2	10000	38.0286	95.4228	-838	PLP	3.6	0	9.2	0	1.1	0	0.314	0	3.050	0	9.704	2	1736	53	0.4
2538.1	10000	38.0286	95.4221	-843	PLP	3.6	0	9.2	0	1.1	0	0.287	0	2.730	0	9.526	2	1763	55	0.4
2538.0	10000	38.0286	95.4213	-847	PLP	3.6	0	9.2	0	1.1	0	0.319	0	3.098	0	9.708	2	1778	44	0.4
2537.9	10000	38.0286	95.4206	-848	PLP	3.6	0	9.2	0	1.1	0	0.293	0	2.848	0	9.717	2	1792	55	0.4
2537.8	10000	38.0286	95.4198	-848	PLP	3.6	0	9.2	0	1.1	0	0.291	0	2.846	0	9.525	2	1811	44	0.4
2537.7	10000	38.0286	95.4191	-847	PLP	3.6	0	9.2	0	1.1	0	0.313	0	3.041	0	9.706	2	1823	56	0.4
2537.6	10000	38.0286	95.4183	-847	PLP	3.6	0	9.2	0	1.1	0	0.304	0	2.967	0	9.804	2	1818	44	0.4
2537.5	10000	38.0286	95.4175	-847	PLP	3.6	0	9.2	0	1.1	0	0.312	0	3.013	0	9.888	2	1809	56	0.4
2537.4	10000	38.0286	95.4168	-846	PLP	3.6	0	9.2	0	1.1	0	0.329	0	3.150	0	9.575	2	1773	52	0.4
2537.3	10000	38.0286	95.4160	-844	PLP	3.6	0	9.2	0	1.1	0	0.312	0	3.013	0	9.664	2	1745	40	0.4
2537.2	10000	38.0286	95.4153	-845	PLP	3.6	0	9.2	0	1.1	0	0.325	0	3.128	0	9.631	2	1731	54	0.4
2537.1	10000	38.0286	95.4145	-845	PLP	3.6	0	9.2	0	1.1	0	0.310	0	3.005	0	9.700	2	1726	49	0.4
2537.0	10000	38.0286	95.4138	-844	PLP	3.6	0	9.2	0	1.1	0	0.295	0	2.875	0	9.735	2	1730	55	0.4
2536.9	10000	38.0286	95.4130	-843	PLP	3.6	0	9.2	0	1.1	0	0.288	0	2.812	0	9.779	2	1759	47	0.4
2536.8	10000	38.0286	95.4122	-842	PLP	3.7	0	9.2	0	1.1	0	0.288	0	2.812	0	9.690	2	1786	49	0.4

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2536.7	10000	38.0286	95.4115	-841	PLP	2.8	-1	9.8	0	0.8	-2	0.285	-1	3.348	1	11.739	2	1833	48	0.4
2536.6	10000	38.0286	95.4107	-840	PLP	2.9	-1	10.2	1	0.9	-2	0.283	-1	3.338	1	11.808	3	1875	43	0.4
2536.5	10000	38.0286	95.4100	-839	PLP	2.9	-1	10.3	1	0.9	-2	0.279	-1	3.258	1	11.698	2	1903	45	0.4
2536.4	10000	38.0286	95.4092	-839	PLP	2.7	-1	11.0	1	0.9	-1	0.249	-2	2.936	0	11.795	3	1917	49	0.4
2536.3	10000	38.0286	95.4085	-838	PLP	2.7	-1	10.9	1	1.0	-1	0.250	-2	2.798	0	11.176	2	1914	46	0.4
2536.2	10000	38.0286	95.4077	-837	PLP	2.7	-1	10.8	1	1.0	-1	0.254	-1	2.713	0	10.687	2	1900	45	0.4
2536.1	10000	38.0287	95.4070	-837	PLP	2.6	-1	10.9	1	1.0	-1	0.237	-2	2.463	-1	10.384	1	1893	56	0.4
2536.0	10000	38.0286	95.4062	-836	PLP	2.6	-1	11.0	1	1.1	0	0.238	-2	2.426	-1	10.212	1	1867	46	0.4
2535.9	10000	38.0287	95.4055	-835	PLP	2.6	-1	11.3	1	1.1	0	0.231	-2	2.433	-1	10.531	2	1859	50	0.4
2535.8	10000	38.0286	95.4048	-834	PLP	2.7	-1	11.1	1	1.1	0	0.245	-2	2.511	-1	10.232	1	1849	57	0.4
2535.7	10000	38.0287	95.4041	-833	PLP	2.9	-1	10.7	1	1.1	0	0.269	-1	2.643	0	9.834	1	1837	48	0.4
2535.6	10000	38.0286	95.4034	-832	PLP	2.9	-1	10.8	1	1.0	-1	0.273	-1	2.812	0	10.284	1	1847	44	0.4
2535.5	10000	38.0287	95.4026	-832	PLP	2.9	-1	10.8	1	1.1	0	0.265	-1	2.688	0	10.147	1	1867	44	0.4
2535.4	10000	38.0287	95.4019	-831	PLP	2.9	-1	10.3	1	1.1	0	0.276	-1	2.615	0	9.469	1	1870	48	0.4
2535.3	10000	38.0287	95.4012	-830	PLP	2.8	-1	10.3	1	1.1	0	0.270	-1	2.526	-1	9.346	1	1882	48	0.5
2535.2	10000	38.0287	95.4005	-829	PLP	2.8	-1	10.0	1	1.1	0	0.276	-1	2.516	-1	9.104	0	1877	59	0.5
2535.1	10000	38.0287	95.3998	-829	PLP	2.7	-1	9.9	1	1.1	0	0.273	-1	2.494	-1	9.128	0	1882	51	0.5
2535.0	10000	38.0287	95.3991	-828	PLP	2.7	-1	10.1	1	1.1	0	0.270	-1	2.501	-1	9.273	1	1891	42	0.5
2534.9	10000	38.0287	95.3984	-827	PLP	2.6	-1	9.8	1	1.2	0	0.261	-1	2.233	-1	8.556	0	1880	48	0.5
2534.8	10000	38.0287	95.3976	-826	PLP	2.6	-1	9.4	1	1.2	0	0.271	-1	2.200	-1	8.115	0	1860	46	0.5
2534.7	10000	38.0287	95.3969	-825	PLP	2.8	-1	9.1	1	1.1	0	0.303	-1	2.463	-1	8.120	0	1845	47	0.5
2534.6	10000	38.0287	95.3962	-825	PLP	2.7	-1	8.6	-1	1.1	0	0.318	0	2.449	-1	7.708	-1	1817	57	0.5
2534.5	10000	38.0287	95.3955	-824	PLP	2.9	-1	8.4	-1	1.2	0	0.343	0	2.522	-1	7.362	-1	1816	40	0.5
2534.4	10000	38.0287	95.3948	-824	PLP	2.8	-1	8.2	-1	1.2	0	0.342	0	2.356	-1	6.878	-1	1817	46	0.5
2534.3	10000	38.0287	95.3941	-823	PLP	2.7	-1	7.9	-2	1.2	0	0.346	0	2.313	-1	6.681	-1	1807	53	0.5
2534.2	10000	38.0287	95.3934	-822	PLP	2.8	-1	7.9	-2	1.2	0	0.353	0	2.404	-1	6.817	-1	1810	36	0.5
2534.1	10000	38.0287	95.3927	-822	PLP	2.9	-1	8.2	-1	1.1	0	0.355	0	2.539	0	7.159	-1	1815	47	0.5
2534.0	10000	38.0287	95.3919	-821	PLP	2.9	-1	8.3	-1	1.1	0	0.347	0	2.520	-1	7.266	-1	1807	58	0.5
2533.9	10000	38.0287	95.3912	-820	PLP	2.9	-1	8.4	-1	1.1	0	0.355	0	2.608	-1	7.338	-1	1805	52	0.5
2533.8	10000	38.0287	95.3905	-819	PLP	2.7	-1	8.4	-1	1.1	0	0.325	0	2.493	-1	7.672	-1	1768	50	0.5
2533.7	10000	38.0287	95.3898	-818	PLP	2.5	-1	8.4	-1	1.1	0	0.301	-1	2.336	-1	7.747	-1	1735	33	0.5
2533.6	10000	38.0287	95.3891	-817	PLP	2.4	-1	8.4	-1	1.1	0	0.270	-1	2.196	-1	8.136	0	1721	47	0.5
2533.5	10000	38.0287	95.3884	-815	PLP	2.3	-1	8.4	-1	1.1	0	0.258	-1	2.040	-1	7.895	0	1741	52	0.5
2533.4	10000	38.0287	95.3876	-814	PLP	2.2	-1	8.4	-1	1.1	0	0.239	-1	1.844	-2	7.700	-1	1775	48	0.5
2533.3	10000	38.0287	95.3869	-812	PLP	2.1	-1	8.4	-1	1.1	0	0.220	-1	1.646	-2	7.471	-1	1821	49	0.5
2533.2	10000	38.0287	95.3862	-813	PLP	2.1	-1	8.4	-1	1.1	0	0.227	-1	1.680	-2	7.390	-1	1852	49	0.5
2533.1	10000	38.0287	95.3855	-812	PLP	2.1	-1	8.4	-1	1.1	0	0.225	-1	1.616	-2	7.186	-1	1903	46	0.5
2533.0	10000	38.0287	95.3848	-812	PLP	2.1	-1	8.4	-1	1.1	0	0.239	-1	1.780	-2	7.458	-1	1954	48	0.5
2532.9	10000	38.0287	95.3841	-812	PLP	2.1	-1	8.4	-1	1.1	0	0.248	-1	1.775	-2	7.154	-1	2012	41	0.5
2532.8	10000	38.0287	95.3834	-810	PLP	2.2	-1	8.4	-1	1.1	0	0.278	-1	1.900	-2	6.842	-1	2027	46	0.5
2532.7	10000	38.0287	95.3827	-809	PLP	2.2	-1	8.4	-1	1.1	0	0.307	-1	2.004	-1	6.519	-2	2019	52	0.5
2532.6	10000	38.0287	95.3820	-807	PLP	2.3	-1	8.4	-1	1.1	0	0.299	-1	2.035	-1	6.810	-1	1996	45	0.5
2532.5	10000	38.0287	95.3812	-806	PLP	2.3	-1	8.4	-1	1.1	0	0.287	-1	1.959	-1	6.822	-1	1983	47	0.5
2532.4	10000	38.0287	95.3805	-805	PLP	2.3	-1	8.4	-1	1.1	0	0.309	-1	2.253	-1	7.283	-1	1940	43	0.5
2532.3	10000	38.0287	95.3798	-805	PLP	2.3	-1	8.4	-1	1.1	0	0.296	-1	2.209	-1	7.459	-1	1895	42	0.5
2532.2	10000	38.0287	95.3791	-808	PLP	2.3	-1	8.4	-1	1.1	0	0.339	-1	2.534	-1	7.480	-1	1813	40	0.5
2532.1	10000	38.0287	95.3784	-809	PLP	2.3	-1	8.4	-1	1.1	0	0.311	-1	2.763	-1	7.889	-1	1737	49	0.5
2532.0	10000	38.0287	95.3777	-810	PLP	2.3	-1	8.4	-1	1.1	0	0.301	-1	3.090	-1	8.260	0	1671	43	0.5
2531.9	10000	38.0287	95.3770	-809	PLP	2.3	-1	8.4	-1	1.1	0	0.290	-1	3.185	-1	9.965	1	1625	41	0.5
2531.8	10000	38.0287	95.3763	-809	PLP	2.3	-1	8.4	-1	1.1	0	0.273	-1	3.247	-1	11.904	2	1585	45	0.6
2531.7	10000	38.0287	95.3755	-808	PLP	2.3	-1	8.4	-1	1.1	0	0.261	-1	3.599	-1	10.745	2	1568	42	0.6
2531.6	10000	38.0287	95.3748	-807	PLP	2.2	-2	8.3	-2	1.1	0	0.254	-1	2.735	-1	10.782	2	1537	49	0.6

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2531.5	10000	38.0287	95.3741	-806	PLP	2.0	-2	9.0	-1	0.8	-2	0.226	-2	2.510	-1	11.094	2	1534	51	0.6
2531.4	10000	38.0287	95.3734	-805	PLP	1.9	-3	8.9	-1	0.8	-2	0.213	-2	2.286	-1	10.749	2	1540	48	0.6
2531.3	10000	38.0287	95.3727	-805	PLP	1.7	-3	8.8	-1	0.9	-2	0.192	-3	1.961	-1	10.240	1	1551	45	0.6
2531.2	10000	38.0287	95.3720	-804	PLP	1.7	-3	8.7	-1	0.9	-2	0.200	-2	1.972	-1	9.840	1	1557	53	0.6
2531.1	10000	38.0287	95.3712	-804	PLP	1.8	-3	8.7	-1	0.9	-1	0.210	-2	1.948	-1	9.265	1	1582	43	0.6
2531.0	10000	38.0287	95.3705	-803	PLP	1.9	-3	8.5	-1	0.9	-1	0.221	-2	2.049	-1	9.273	1	1597	39	0.6
2530.9	10000	38.0287	95.3698	-802	PLP	2.1	-2	8.6	-1	0.9	-1	0.247	-2	2.303	-1	9.325	1	1647	57	0.6
2530.8	10000	38.0287	95.3691	-801	PLP	2.1	-2	8.7	-1	0.9	-1	0.246	-2	2.298	-1	9.351	1	1685	52	0.6
2530.7	10000	38.0287	95.3684	-800	PLP	2.1	-2	8.7	-1	1.0	-1	0.240	-2	2.176	-1	9.080	0	1738	47	0.6
2530.6	10000	38.0287	95.3677	-799	PLP	2.1	-2	8.9	-1	1.0	-1	0.233	-2	2.112	-1	9.050	0	1776	48	0.6
2530.5	10000	38.0287	95.3670	-798	PLP	2.3	-2	9.0	-1	1.0	-1	0.259	-1	2.249	-1	8.676	0	1834	47	0.6
2530.4	10000	38.0287	95.3663	-796	LP	2.5	-2	8.6	-1	1.0	-1	0.290	-1	2.392	-1	8.237	0	1869	49	0.6
2530.3	10000	38.0287	95.3655	-794	PLP	2.6	-1	8.8	-1	1.1	0	0.301	-1	2.470	-1	8.197	0	1908	49	0.6
2530.2	10000	38.0287	95.3648	-792	PLP	2.4	-2	8.9	-1	1.1	0	0.269	-1	2.123	-1	7.398	0	1906	43	0.6
2530.1	10000	38.0287	95.3641	-788	PLP	2.6	-1	8.9	-1	1.2	0	0.292	-1	2.216	-1	7.601	-1	1910	44	0.6
2530.0	10000	38.0287	95.3634	-787	PLP	2.7	-1	9.0	-1	1.1	0	0.305	-1	2.456	-1	8.059	0	1890	42	0.6
2529.9	10000	38.0287	95.3627	-786	PLP	3.0	0	8.5	-1	1.1	0	0.350	0	2.645	0	7.564	-1	1884	43	0.6
2529.8	10000	38.0287	95.3620	-785	PLP	2.7	-1	8.7	-1	1.1	0	0.316	0	2.448	-1	7.752	-1	1858	46	0.6
2529.7	10000	38.0287	95.3613	-784	PLP	2.6	-1	8.9	-1	1.1	0	0.294	-1	2.290	-1	7.778	-1	1848	50	0.6
2529.6	10000	38.0287	95.3605	-782	PLP	2.5	-1	9.3	0	1.2	0	0.274	-1	2.197	-1	8.011	0	1841	44	0.6
2529.5	10000	38.0287	95.3598	-779	PLP	2.7	-1	9.1	-1	1.2	0	0.300	-1	2.361	-1	7.869	0	1852	56	0.6
2529.4	10000	38.0287	95.3591	-778	PLP	2.6	-1	8.7	-1	1.2	0	0.292	-1	2.174	-1	7.435	-1	1849	58	0.6
2529.3	10000	38.0287	95.3584	-775	PLP	2.7	-1	8.3	-1	1.2	0	0.325	0	2.261	-1	6.953	-1	1852	58	0.6
2529.2	10000	38.0287	95.3577	-772	PLP	2.5	-1	8.4	-1	1.2	0	0.298	-1	2.107	-1	7.071	-1	1844	45	0.6
2529.1	10000	38.0287	95.3570	-769	PLP	2.6	-1	8.5	-1	1.2	0	0.307	-1	2.173	-1	7.073	-1	1838	54	0.6
2529.0	10000	38.0287	95.3563	-766	PLP	2.4	-1	8.5	-1	1.2	0	0.283	-1	2.150	-1	7.604	-1	1817	37	0.6
2528.9	10000	38.0287	95.3556	-763	PLP	2.3	-2	8.3	-1	1.1	0	0.275	-1	2.058	-1	7.545	-1	1790	59	0.6
2528.8	10000	38.0287	95.3548	-760	PLP	2.5	-2	8.7	-1	1.1	0	0.292	-1	2.192	-1	7.968	-1	1768	42	0.6
2528.7	10000	38.0287	95.3541	-756	PLP	2.5	-2	8.8	-1	1.1	0	0.282	-1	2.429	-1	8.328	0	1761	31	0.6
2528.6	10000	38.0287	95.3534	-753	PLP	2.3	-2	8.8	-1	1.1	0	0.272	-1	2.186	-1	7.759	-1	1743	55	0.6
2528.5	10000	38.0287	95.3527	-749	PLP	2.3	-2	8.8	-1	1.1	0	0.280	-1	2.150	-1	7.892	0	1729	58	0.6
2528.4	10000	38.0287	95.3520	-745	PLP	2.2	-2	8.8	-1	1.1	0	0.312	-1	2.221	-1	7.922	0	1702	42	0.6
2528.3	10000	38.0287	95.3513	-743	PLP	2.4	-2	8.8	-1	1.1	0	0.325	-1	2.446	-1	7.826	-1	1692	45	0.6
2528.2	10000	38.0287	95.3506	-739	PLP	2.5	-2	8.8	-1	1.1	0	0.345	-1	2.508	-1	7.723	-1	1694	42	0.6
2528.1	10000	38.0287	95.3499	-736	PLP	2.6	-2	8.8	-1	1.1	0	0.369	-1	2.588	-1	7.504	-1	1692	44	0.6
2528.0	10000	38.0287	95.3491	-733	PLP	2.7	-2	8.8	-1	1.1	0	0.363	-1	2.702	-1	7.316	-1	1685	36	0.6
2527.9	10000	38.0287	95.3484	-730	PLP	2.7	-2	8.8	-1	1.1	0	0.415	-1	2.694	-1	7.425	-1	1688	39	0.6
2527.8	10000	38.0287	95.3477	-727	PLP	2.9	-2	8.8	-1	1.1	0	0.378	-1	2.973	-1	7.166	-1	1696	38	0.6
2527.7	10000	38.0287	95.3470	-725	PLP	2.8	-2	8.8	-1	1.1	0	0.376	-1	2.805	-1	7.422	-1	1705	61	0.6
2527.6	10000	38.0287	95.3463	-723	PKC	2.8	-2	8.8	-1	1.1	0	0.381	-1	2.824	-1	7.511	-1	1694	58	0.6
2527.5	10000	38.0287	95.3456	-721	PKC	2.8	-2	8.8	-1	1.1	0	0.375	-1	2.881	-1	7.553	-1	1664	44	0.6
2527.4	10000	38.0287	95.3449	-720	PKC	2.8	-2	8.8	-1	1.1	0	0.381	-1	2.881	-1	7.684	-1	1630	48	0.6
2527.3	10000	38.0287	95.3441	-718	PKC	2.8	-2	8.8	-1	1.1	0	0.305	-1	2.604	-1	8.537	0	1604	42	0.6
2527.2	10000	38.0287	95.3434	-716	PKC	2.8	-2	8.8	-1	1.1	0	0.290	-1	2.739	-1	9.445	0	1585	45	0.6
2527.1	10000	38.0287	95.3427	-714	PKC	2.8	-2	8.8	-1	1.1	0	0.276	-1	2.897	-1	10.484	1	1585	56	0.6
2527.0	10000	38.0287	95.3420	-712	PKC	2.8	-2	8.8	-1	1.1	0	0.314	-1	2.237	-1	10.304	1	1598	45	0.6
2526.9	10000	38.0287	95.3413	-710	PKC	2.8	-2	8.8	-1	1.1	0	0.281	-1	2.956	-1	10.531	1	1618	57	0.6
2526.8	10000	38.0287	95.3406	-708	PKC	2.8	-2	8.8	-1	1.1	0	0.277	-1	2.830	-1	11.087	2	1660	58	0.6
2526.7	10000	38.0287	95.3399	-706	PKC	2.8	-2	8.8	-1	1.1	0	0.255	-1	2.883	-1	11.088	2	1700	56	0.6
2526.6	10000	38.0287	95.3392	-703	PKC	2.8	-2	8.8	-1	1.1	0	0.276	-1	2.725	-1	10.452	2	1748	44	0.6
2526.5	10000	38.0287	95.3384	-701	PKC	2.8	-2	8.8	-1	1.1	0	0.273	-1	2.518	-1	9.967	1	1783	52	0.6
2526.4	10000	38.0287	95.3377	-698	PKC	2.6	-1	9.6	-1	1.0	-1	0.267	-1	2.518	-1	9.429	1	1794	52	0.6

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2526.3	10000	38.0287	95.3370	-695	PKC	2.2	-2	10.1	1	1.0	-1	0.217	-2	2.198	-1	10.110	1	1801	56	0.6
2526.2	10000	38.0287	95.3363	-693	PKC	2.4	-2	9.7	0	1.0	-1	0.244	-1	2.355	-1	9.655	1	1815	43	0.6
2526.1	10000	38.0287	95.3356	-690	PKC	2.4	-2	9.4	0	1.1	0	0.251	-1	2.252	-1	8.963	0	1807	48	0.6
2526.0	10000	38.0287	95.3349	-688	PKC	2.2	-2	9.2	0	1.0	-1	0.239	-2	2.214	-1	9.279	1	1788	51	0.6
2525.9	10000	38.0287	95.3342	-685	PKC	2.4	-2	9.4	0	0.9	-1	0.258	-1	2.598	-1	10.065	1	1764	48	0.6
2525.8	10000	38.0287	95.3335	-682	PKC	2.5	-1	9.3	0	0.9	-2	0.272	-1	2.933	0	10.801	2	1733	39	0.6
2525.7	10000	38.0287	95.3327	-680	PLP	2.5	-2	9.5	0	0.8	-2	0.262	-1	3.000	0	11.458	2	1739	48	0.6
2525.6	10000	38.0287	95.3320	-678	PLP	2.9	-1	9.2	0	0.9	-2	0.316	0	3.405	1	10.784	2	1747	56	0.6
2525.5	10000	38.0287	95.3313	-675	PLP	3.0	0	9.5	0	0.9	-2	0.320	0	3.518	1	10.990	2	1766	52	0.6
2525.4	10000	38.0287	95.3306	-673	PLP	2.9	-1	10.0	0	0.8	-2	0.289	-1	3.541	1	12.253	3	1801	36	0.6
2525.3	10000	38.0287	95.3299	-671	PLP	3.2	0	10.2	1	0.9	-2	0.313	0	3.700	1	11.841	3	1857	53	0.6
2525.2	10000	38.0287	95.3292	-669	PLP	3.1	0	10.3	1	0.9	-1	0.302	-1	3.360	1	11.128	2	1916	40	0.6
2525.1	10000	38.0287	95.3285	-667	PLP	3.1	0	10.4	1	1.0	-1	0.293	-1	3.010	0	10.272	1	1977	49	0.6
2525.0	10000	38.0287	95.3277	-665	PLP	3.2	0	10.1	1	1.1	-1	0.316	0	3.028	0	9.577	1	2007	51	0.6
2524.9	10000	38.0287	95.3270	-664	PLP	3.3	0	10.5	1	1.1	-1	0.309	0	3.053	0	9.884	1	2036	56	0.6
2524.8	10000	38.0287	95.3263	-661	PLP	3.0	0	10.7	1	1.1	-1	0.278	-1	2.820	0	10.137	1	2031	51	0.6
2524.7	10000	38.0287	95.3256	-659	PLP	3.1	0	10.3	1	1.1	0	0.305	-1	2.880	0	9.455	1	2010	47	0.6
2524.6	10000	38.0287	95.3249	-659	PLP	3.0	0	9.9	0	1.1	-1	0.301	-1	2.812	0	9.329	1	1975	37	0.6
2524.5	10000	38.0287	95.3242	-656	PLP	2.8	-1	9.9	0	1.1	-1	0.283	-1	2.650	0	9.350	1	1936	42	0.6
2524.4	10000	38.0287	95.3235	-655	PLP	2.7	-1	9.7	0	1.0	-1	0.284	-1	2.665	0	9.398	1	1910	61	0.6
2524.3	10000	38.0287	95.3228	-653	PLP	2.6	-1	9.8	0	1.0	-1	0.264	-1	2.558	0	9.698	1	1877	40	0.6
2524.2	10000	38.0287	95.3220	-651	PLP	2.4	-2	9.6	0	1.0	-1	0.249	-2	2.343	-1	9.403	1	1845	48	0.6
2524.1	10000	38.0287	95.3213	-649	PLP	2.7	-1	9.4	0	1.0	-1	0.286	-1	2.634	0	9.207	1	1857	46	0.6
2524.0	10000	38.0287	95.3206	-648	PLP	2.7	-1	9.6	0	1.0	-1	0.281	-1	2.592	0	9.230	1	1867	45	0.6
2523.9	10000	38.0287	95.3199	-646	PLP	3.0	-1	9.6	0	1.1	0	0.308	-1	2.769	0	8.979	0	1876	43	0.6
2523.8	10000	38.0287	95.3192	-643	PLP	2.9	-1	9.5	0	1.1	0	0.307	-1	2.727	0	8.869	0	1886	53	0.6
2523.7	10000	38.0287	95.3185	-642	PLP	2.9	-1	9.7	0	1.1	0	0.300	-1	2.654	0	8.853	0	1892	51	0.6
2523.6	10000	38.0287	95.3178	-640	PLP	2.9	-1	9.6	0	1.1	0	0.304	-1	2.643	0	8.686	0	1912	44	0.6
2523.5	10000	38.0287	95.3170	-637	PLP	2.8	-1	9.6	0	1.1	0	0.302	-1	2.619	0	8.686	0	1909	51	0.6
2523.4	10000	38.0287	95.3163	-636	PLP	2.7	-1	9.6	0	1.1	0	0.276	-1	2.314	-1	8.389	0	1890	41	0.6
2523.3	10000	38.0287	95.3156	-633	PLP	2.4	-1	9.6	0	1.1	0	0.295	-1	2.370	-1	8.027	0	1899	38	0.6
2523.2	10000	38.0287	95.3149	-631	PLP	2.4	-2	9.6	0	1.1	0	0.249	-1	1.942	-1	7.793	-1	1919	41	0.6
2523.1	10000	38.0287	95.3142	-629	PLP	2.4	-2	9.7	0	1.1	0	0.240	-2	1.787	-1	7.433	-1	1934	43	0.6
2523.0	10000	38.0287	95.3135	-627	PLP	2.4	-2	9.8	0	1.1	0	0.240	-2	1.805	-1	7.509	-1	1942	34	0.6
2522.9	10000	38.0287	95.3128	-626	PLP	2.4	-2	9.8	0	1.1	0	0.240	-2	1.826	-1	7.621	-1	1937	51	0.6
2522.8	10000	38.0287	95.3121	-624	PLP	2.4	-2	9.8	0	1.1	0	0.229	-2	1.699	-1	7.426	-1	1947	58	0.6
2522.7	10000	38.0287	95.3113	-623	PLP	2.3	-2	9.8	0	1.1	0	0.231	-2	1.680	-1	7.268	-1	1944	49	0.6
2522.6	10000	38.0287	95.3106	-622	PLP	2.2	-2	9.8	0	1.1	0	0.193	-2	1.682	-1	7.698	-1	1948	33	0.6
2522.5	10000	38.0287	95.3099	-621	PLP	2.1	-2	9.8	0	1.1	0	0.211	-2	1.725	-1	8.190	-1	1931	55	0.6
2522.4	10000	38.0287	95.3092	-620	PLP	2.3	-2	9.8	0	1.1	0	0.229	-2	1.998	-1	8.705	-1	1931	66	0.6
2522.3	10000	38.0287	95.3085	-619	PLP	2.5	-2	9.8	0	1.1	0	0.259	-2	2.418	-1	9.338	-1	1939	44	0.6
2522.2	10000	38.0287	95.3078	-619	PLP	2.6	-2	9.8	0	1.1	0	0.263	-2	2.456	-1	9.340	-1	1929	53	0.6
2522.1	10000	38.0287	95.3071	-618	PLP	2.8	-2	9.8	0	1.1	0	0.285	-2	2.647	-1	9.341	-1	1938	72	0.6
2522.0	10000	38.0287	95.3064	-618	PLP	2.9	-2	9.8	0	1.1	0	0.297	-2	2.834	-1	9.556	-1	1942	45	0.6
2521.9	10000	38.0287	95.3056	-618	PLP	3.1	-2	9.8	0	1.1	0	0.329	-2	3.043	-1	9.441	-1	1925	46	0.6
2521.8	10000	38.0287	95.3049	-617	PLP	3.2	-2	9.8	0	1.1	0	0.328	-2	3.053	-1	9.996	-1	1932	45	0.6
2521.7	10000	38.0287	95.3042	-617	PLP	3.3	-2	9.8	0	1.1	0	0.337	-2	3.130	-1	9.830	-1	1910	41	0.6
2521.6	10000	38.0287	95.3035	-618	PLP	3.3	-2	9.8	0	1.1	0	0.337	-2	3.130	-1	9.400	-1	1867	45	0.6
2521.5	10000	38.0287	95.3028	-618	PLP	3.3	-2	9.8	0	1.1	0	0.337	-2	3.130	-1	9.768	-1	1847	47	0.6
2521.4	10000	38.0287	95.3021	-618	PLP	3.3	-2	9.8	0	1.1	0	0.337	-2	3.130	-1	9.919	-1	1802	38	0.6
2521.3	10000	38.0287	95.3014	-619	PLP	3.3	-2	9.8	0	1.1	0	0.337	-2	3.130	-1	9.151	-1	1751	41	0.6
2521.2	10000	38.0287	95.3006	-619	PKC	2.0	-2	9.8	0	1.1	0	0.247	-1	1.959	-1	7.935	-1	1695	44	0.6

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2521.1	10000	38.0287	95.2999	-621	PKC	2.0	-2	7.7	-1	0.9	-1	0.256	-1	2.114	-1	8.266	0	1624	50	0.6
2521.0	10000	38.0287	95.2992	-622	PKC	2.1	-2	7.8	-1	0.9	-1	0.274	-1	2.351	-1	8.582	0	1574	58	0.6
2520.9	10000	38.0287	95.2985	-622	PKC	2.2	-2	7.3	-2	0.9	-1	0.298	-1	2.379	-1	7.987	0	1540	52	0.6
2520.8	10000	38.0287	95.2978	-624	PKC	2.3	-2	6.9	-2	0.9	-1	0.328	0	2.565	-1	7.818	0	1526	43	0.6
2520.7	10000	38.0287	95.2971	-624	PKC	2.5	-1	6.6	-2	0.9	-1	0.374	0	2.772	0	7.413	-1	1540	49	0.6
2520.6	10000	38.0287	95.2964	-625	PKC	2.4	-2	7.0	-2	0.9	-1	0.345	0	2.593	-1	7.522	-1	1576	44	0.6
2520.5	10000	38.0287	95.2957	-626	PKC	2.3	-2	7.3	-2	1.0	-1	0.321	0	2.424	-1	7.543	-1	1637	66	0.6
2520.4	10000	38.0287	95.2949	-627	PKC	2.4	-2	8.0	-1	1.0	-1	0.307	-1	2.387	-1	7.767	0	1723	48	0.6
2520.3	10000	38.0287	95.2942	-629	PKC	2.3	-2	8.6	-1	1.1	0	0.272	-1	2.150	-1	7.903	0	1800	41	0.6
2520.2	10000	38.0287	95.2935	-630	PKC	2.6	-1	9.4	0	1.1	0	0.273	-1	2.310	-1	8.459	0	1881	48	0.6
2520.1	10000	38.0287	95.2928	-631	PKC	2.7	-1	10.1	1	1.2	0	0.270	-1	2.340	-1	8.665	0	1945	54	0.6
2520.0	10000	38.0287	95.2921	-632	PKC	2.8	-1	10.2	1	1.2	0	0.273	-1	2.362	-1	8.651	0	1990	55	0.6
2519.9	10000	38.0287	95.2914	-633	PKC	2.9	-1	10.0	1	1.2	0	0.293	-1	2.472	-1	8.449	0	2027	45	0.6
2519.8	10000	38.0288	95.2906	-635	PKC	2.9	-1	10.5	1	1.2	0	0.276	-1	2.515	-1	9.099	1	2042	52	0.6
2519.7	10000	38.0287	95.2899	-637	PKC	2.7	-1	10.4	1	1.2	0	0.262	-1	2.247	-1	8.587	0	2037	47	0.6
2519.6	10000	38.0288	95.2892	-639	PKC	2.8	-1	10.4	1	1.2	0	0.268	-1	2.345	-1	8.758	0	2030	43	0.6
2519.5	10000	38.0287	95.2885	-641	PKC	2.6	-1	10.1	1	1.2	0	0.257	-1	2.158	-1	8.399	0	2026	55	0.6
2519.4	10000	38.0288	95.2878	-642	PKC	2.5	-1	9.6	1	1.2	0	0.260	-1	2.054	-1	7.889	0	2005	52	0.6
2519.3	10000	38.0288	95.2871	-644	PKC	2.5	-2	9.8	1	1.2	0	0.250	-1	2.045	-1	8.191	0	1968	49	0.6
2519.2	10000	38.0288	95.2863	-646	PKC	2.4	-2	9.9	1	1.2	0	0.244	-1	2.045	-1	8.368	0	1927	54	0.6
2519.1	10000	38.0288	95.2856	-650	PKC	2.3	-2	9.5	1	1.2	0	0.238	-2	1.870	-2	7.869	0	1874	53	0.6
2519.0	10000	38.0288	95.2849	-652	PKC	2.3	-2	9.3	1	1.2	0	0.250	-1	2.010	-1	8.057	0	1831	41	0.7
2518.9	10000	38.0288	95.2842	-655	PKC	2.1	-2	9.2	1	1.1	0	0.225	-2	1.831	-2	8.133	0	1789	52	0.7
2518.8	10000	38.0288	95.2835	-659	PKC	2.0	-2	9.3	1	1.1	0	0.216	-2	1.810	-2	8.367	0	1741	53	0.7
2518.7	10000	38.0288	95.2828	-662	PKC	2.1	-2	9.3	1	1.1	0	0.230	-2	1.915	-2	8.336	0	1702	50	0.7
2518.6	10000	38.0288	95.2820	-665	PKC	2.1	-2	9.0	1	1.1	0	0.237	-2	1.988	-1	8.386	0	1682	48	0.7
2518.5	10000	38.0288	95.2813	-668	PKC	2.1	-2	8.9	1	1.1	0	0.231	-2	1.905	-2	8.250	0	1674	48	0.7
2518.4	10000	38.0288	95.2806	-672	PKC	2.2	-2	9.1	0	1.0	-1	0.241	-2	2.113	-1	8.771	1	1669	50	0.7
2518.3	10000	38.0288	95.2799	-675	PKC	2.2	-2	9.2	0	1.0	-1	0.236	-2	2.152	-1	9.104	1	1667	45	0.7
2518.2	10000	38.0288	95.2792	-678	PKC	2.5	-2	8.6	-1	1.1	-1	0.286	-1	2.438	-1	8.531	0	1670	55	0.7
2518.1	10000	38.0288	95.2785	-682	PKC	2.6	-2	8.7	-1	1.1	-1	0.302	-1	2.625	-1	8.694	0	1679	47	0.7
2518.0	10000	38.0288	95.2778	-686	PKC	2.4	-2	8.8	-1	1.1	-1	0.269	-1	2.379	-1	8.839	0	1701	41	0.7
2517.9	10000	38.0288	95.2770	-689	PKC	2.4	-2	8.6	-1	1.1	-1	0.278	-1	2.307	-1	8.305	0	1728	44	0.7
2517.8	10000	38.0288	95.2763	-693	PKC	2.5	-2	8.7	-1	1.1	-1	0.288	-1	2.431	-1	8.429	0	1756	60	0.7
2517.7	10000	38.0288	95.2756	-696	PKC	2.4	-2	8.8	-1	1.1	-1	0.277	-1	2.236	-1	8.087	-1	1792	29	0.7
2517.6	10000	38.0288	95.2749	-699	PKC	2.4	-2	8.5	-1	1.1	-1	0.285	-1	2.164	-1	7.598	0	1821	47	0.7
2517.5	10000	38.0288	95.2742	-702	PKC	2.3	-2	9.0	0	1.1	0	0.261	-1	2.028	-1	7.776	0	1854	56	0.7
2517.4	10000	38.0288	95.2735	-706	PKC	2.2	-2	9.5	1	1.1	0	0.239	-2	2.885	-1	7.875	0	1876	46	0.7
2517.3	10000	38.0288	95.2728	-708	PKC	2.2	-2	9.6	1	1.1	0	0.234	-2	2.013	-1	8.591	0	1887	45	0.7
2517.2	10000	38.0288	95.2720	-711	PKC	2.2	-2	9.4	1	1.1	0	0.251	-1	2.243	-1	8.921	0	1887	41	0.7
2517.1	10000	38.0288	95.2713	-714	PKC	2.3	-2	9.5	1	1.1	0	0.246	-1	2.122	-1	8.628	0	1885	39	0.7
2517.0	10000	38.0288	95.2706	-717	PKC	2.3	-2	9.5	1	1.1	0	0.237	-1	2.084	-1	8.812	0	1867	53	0.7
2516.9	10000	38.0288	95.2699	-718	PKC	2.3	-2	9.5	1	1.1	0	0.245	-1	2.172	-1	8.860	0	1865	58	0.7
2516.8	10000	38.0288	95.2692	-721	PKC	2.3	-2	9.5	1	1.1	0	0.244	-1	2.237	-1	9.184	0	1836	40	0.7
2516.7	10000	38.0288	95.2684	-723	PKC	2.2	-2	9.6	1	1.1	0	0.228	-1	2.549	-1	9.037	0	1810	44	0.7
2516.6	10000	38.0288	95.2677	-724	PKC	2.2	-2	9.7	1	1.1	0	0.231	-1	2.701	-1	9.635	0	1795	45	0.7
2516.5	10000	38.0288	95.2670	-726	PKC	2.2	-2	9.7	1	1.1	0	0.232	-1	2.576	-1	8.828	0	1782	54	0.7
2516.4	10000	38.0288	95.2663	-727	PKC	2.2	-2	9.7	1	1.1	0	0.229	-1	2.663	-1	8.967	0	1772	48	0.7
2516.3	10000	38.0288	95.2656	-729	PKC	2.2	-2	9.7	1	1.1	0	0.229	-1	2.911	-1	8.775	0	1780	57	0.7
2516.2	10000	38.0288	95.2649	-729	PKC	2.2	-2	9.7	1	1.1	0	0.229	-1	2.979	-1	9.323	0	1770	43	0.7
2516.1	10000	38.0288	95.2642	-731	PKC	2.2	-2	9.7	1	1.1	0	0.229	-1	3.275	-1	9.454	0	1786	50	0.7
2516.0	10000	38.0288	95.2634	-732	PKC	2.2	-2	9.7	1	1.1	0	0.229	-1	3.052	-1	9.745	1	1801	40	0.7

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2515.9	10000	38.0288	95.2627	-733	PKC	2.8	-1	9.1	0	1.0	-1	0.310	-1	2.947	0	9.521	1	1801	56	0.7
2515.8	10000	38.0288	95.2620	-734	PKC	2.8	-1	8.8	0	1.0	-1	0.312	-1	2.835	0	9.077	1	1809	44	0.7
2515.7	10000	38.0288	95.2613	-735	PKC	3.0	0	8.9	0	0.9	-1	0.338	0	3.291	0	9.737	1	1811	49	0.7
2515.6	10000	38.0288	95.2606	-735	PKC	2.9	-1	9.4	0	0.9	-1	0.307	-1	3.144	0	10.252	1	1813	51	0.7
2515.5	10000	38.0288	95.2599	-736	PKC	2.8	-1	9.8	0	0.9	-1	0.285	-1	3.017	0	10.602	2	1812	49	0.7
2515.4	10000	38.0288	95.2591	-736	PKC	2.6	-1	9.8	0	1.0	-1	0.260	-1	2.636	0	10.120	1	1815	46	0.7
2515.3	10000	38.0288	95.2584	-737	PKC	2.5	-1	9.9	0	1.0	-1	0.256	-1	2.646	0	10.325	2	1830	54	0.7
2515.2	10000	38.0288	95.2577	-738	PKC	2.6	-1	10.0	1	1.0	-1	0.260	-1	2.648	0	10.192	1	1854	36	0.7
2515.1	10000	38.0288	95.2570	-739	PKC	2.5	-1	10.6	1	1.0	-1	0.240	-2	2.599	-1	10.837	2	1857	57	0.7
2515.0	10000	38.0288	95.2563	-740	PKC	2.4	-2	10.4	1	1.0	0	0.227	-2	2.266	-1	9.963	1	1866	56	0.7
2514.9	10000	38.0288	95.2556	-741	PKC	2.4	-2	10.0	1	1.0	-1	0.238	-2	2.282	-1	9.586	1	1868	46	0.7
2514.8	10000	38.0288	95.2549	-741	PKC	2.4	-2	9.3	0	1.0	-1	0.252	-1	2.278	-1	9.041	1	1852	42	0.7
2514.7	10000	38.0288	95.2541	-742	PKC	2.4	-2	9.5	0	1.0	-1	0.255	-1	2.459	-1	9.629	1	1839	50	0.6
2514.6	10000	38.0288	95.2534	-743	PKC	2.6	-1	9.3	0	1.0	-1	0.282	-1	2.667	0	9.471	1	1816	49	0.6
2514.5	10000	38.0288	95.2527	-744	PKC	2.7	-1	9.3	0	1.0	-1	0.294	-1	2.828	0	9.609	1	1803	55	0.6
2514.4	10000	38.0288	95.2520	-745	PKC	2.8	-1	9.1	0	1.0	-1	0.302	-1	2.761	0	9.151	1	1811	40	0.6
2514.3	10000	38.0288	95.2513	-746	PKC	2.7	-1	9.2	0	1.0	-1	0.297	-1	2.712	0	9.123	1	1802	48	0.6
2514.2	10000	38.0288	95.2506	-747	PKC	2.9	-1	9.3	0	1.0	-1	0.313	-1	2.964	0	9.458	1	1799	54	0.6
2514.1	10000	38.0288	95.2498	-749	PKC	2.9	-1	9.6	0	1.0	-1	0.303	-1	2.919	0	9.633	1	1813	44	0.6
2514.0	10000	38.0288	95.2491	-750	PKC	2.9	-1	9.5	0	1.0	-1	0.303	-1	2.815	0	9.284	1	1808	55	0.6
2513.9	10000	38.0288	95.2484	-752	PKC	2.8	-1	9.4	0	1.0	-1	0.292	-1	2.747	0	9.407	1	1815	49	0.6
2513.8	10000	38.0288	95.2477	-754	PKC	2.7	-1	9.5	0	1.0	-1	0.286	-1	2.682	0	9.392	1	1804	53	0.6
2513.7	10000	38.0288	95.2470	-756	PKC	2.7	-1	9.6	0	1.0	-1	0.283	-1	2.833	0	10.011	1	1791	48	0.6
2513.6	10000	38.0288	95.2463	-758	PKC	2.6	-1	10.2	1	0.9	-1	0.259	-1	2.950	0	11.372	2	1799	52	0.6
2513.5	10000	38.0288	95.2455	-760	PKC	2.6	-1	10.1	1	0.9	-1	0.254	-1	2.765	0	10.895	2	1787	58	0.6
2513.4	10000	38.0288	95.2448	-762	PKC	2.5	-1	9.7	0	0.9	-1	0.262	-1	2.697	0	10.301	2	1772	44	0.6
2513.3	10000	38.0288	95.2441	-766	PKC	2.5	-2	9.6	0	1.0	-1	0.256	-1	2.583	-1	10.094	1	1760	65	0.6
2513.2	10000	38.0288	95.2434	-768	PKC	2.3	-2	9.5	0	1.0	-1	0.239	-2	2.220	-1	9.286	1	1741	60	0.6
2513.1	10000	38.0288	95.2427	-772	PKC	2.0	-2	9.6	0	1.0	-1	0.209	-2	2.015	-1	9.654	1	1724	43	0.6
2513.0	10000	38.0288	95.2420	-774	PKC	1.9	-2	9.1	0	1.0	-1	0.212	-2	1.981	-1	9.359	1	1710	32	0.6
2512.9	10000	38.0288	95.2413	-778	PKC	2.0	-2	9.6	0	1.0	-1	0.228	-2	1.963	-1	8.596	1	1673	38	0.6
2512.8	10000	38.0288	95.2405	-781	PKC	1.9	-2	9.8	0	1.0	-1	0.216	-2	1.959	-1	9.070	1	1674	41	0.6
2512.7	10000	38.0288	95.2398	-784	PKC	1.7	-2	8.8	0	1.0	-1	0.215	-2	2.002	-1	9.297	1	1665	53	0.6
2512.6	10000	38.0288	95.2391	-788	PKC	1.8	-2	8.8	0	1.0	-1	0.196	-2	1.924	-2	9.829	1	1637	39	0.6
2512.5	10000	38.0288	95.2384	-791	PKC	1.9	-2	8.8	0	1.0	-1	0.207	-2	2.180	-1	9.520	2	1593	48	0.6
2512.4	10000	38.0288	95.2377	-795	PKC	1.9	-2	8.8	0	1.0	-1	0.228	-2	2.360	-1	10.370	2	1569	53	0.6
2512.3	10000	38.0288	95.2370	-798	PKC	2.1	-2	8.8	0	1.0	-1	0.240	-2	2.568	-1	10.696	2	1562	50	0.6
2512.2	10000	38.0288	95.2362	-801	PKC	2.0	-2	8.8	0	1.0	-1	0.230	-2	2.432	-1	10.570	2	1579	43	0.6
2512.1	10000	38.0288	95.2355	-804	PKC	2.0	-2	8.8	0	1.0	-1	0.222	-2	2.440	-1	11.013	2	1576	52	0.5
2512.0	10000	38.0288	95.2348	-807	PKC	2.0	-2	8.8	0	1.0	-1	0.214	-2	2.427	-1	11.345	2	1611	48	0.5
2511.9	10000	38.0288	95.2341	-809	PKC	2.0	-2	8.8	0	1.0	-1	0.257	-1	2.998	0	11.683	3	1678	41	0.5
2511.8	10000	38.0288	95.2334	-813	PKC	2.0	-2	8.8	0	1.0	-1	0.272	-1	3.088	0	11.355	2	1741	50	0.5
2511.7	10000	38.0288	95.2327	-815	PKC	2.0	-2	8.8	0	1.0	-1	0.259	-1	2.976	0	11.476	2	1796	49	0.5
2511.6	10000	38.0288	95.2319	-816	PKC	2.0	-2	8.8	0	1.0	-1	0.257	-1	2.870	0	11.149	2	1822	61	0.5
2511.5	10000	38.0288	95.2312	-818	PKC	2.0	-2	8.8	0	1.0	-1	0.264	-1	2.961	0	11.229	2	1827	42	0.5
2511.4	10000	38.0288	95.2305	-819	PKC	2.0	-2	8.8	0	1.0	-1	0.297	-1	3.200	0	11.758	3	1807	61	0.5
2511.3	10000	38.0288	95.2298	-819	PKC	2.0	-2	8.8	0	1.0	-1	0.307	-1	3.169	0	11.335	2	1778	29	0.5
2511.2	10000	38.0288	95.2291	-819	PKC	2.0	-2	8.8	0	1.0	-1	0.298	-1	2.794	0	11.374	2	1736	51	0.5
2511.1	10000	38.0288	95.2284	-819	PKC	2.0	-2	8.8	0	1.0	-1	0.297	-1	2.784	0	11.367	2	1708	42	0.5
2511.0	10000	38.0288	95.2277	-820	PKC	2.0	-2	8.8	0	1.0	-1	0.296	-1	2.655	0	11.961	3	1672	38	0.5
2510.9	10000	38.0288	95.2269	-820	PKC	2.0	-2	8.8	0	1.0	-1	0.276	-1	2.371	-1	11.597	3	1641	46	0.5
2510.8	10000	38.0288	95.2262	-820	PKC	2.4	-2	8.8	0	1.0	-1	0.275	-1	2.435	-1	11.851	3	1629	28	0.5

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2510.7	10000	38.0288	95.2255	-820	PKC	2.2	-2	8.9	0	1.0	-1	0.244	-1	2.132	-1	8.736	0	1635	57	0.5
2510.6	10000	38.0288	95.2248	-819	PKC	2.5	-1	9.0	0	1.0	-1	0.280	-1	2.542	-1	9.093	1	1635	50	0.5
2510.5	10000	38.0288	95.2241	-819	PKC	2.6	-1	9.2	0	1.0	-1	0.287	-1	2.600	-1	9.052	1	1642	53	0.5
2510.4	10000	38.0288	95.2234	-819	PKC	2.3	-2	9.2	0	1.0	-1	0.252	-1	2.352	-1	9.346	1	1643	53	0.5
2510.3	10000	38.0288	95.2226	-819	PKC	2.6	-1	9.1	0	1.0	-1	0.282	-1	2.667	0	9.468	1	1656	56	0.5
2510.2	10000	38.0288	95.2219	-819	PKC	2.5	-1	8.9	0	0.9	-1	0.282	-1	2.803	0	9.924	1	1662	53	0.5
2510.1	10000	38.0288	95.2212	-819	PKC	2.7	-1	8.9	0	0.9	-1	0.299	-1	2.973	0	9.928	1	1681	54	0.5
2510.0	10000	38.0288	95.2205	-819	PKC	2.7	-1	9.0	0	0.9	-1	0.297	-1	2.983	0	10.034	1	1697	53	0.5
2509.9	10000	38.0288	95.2198	-819	PKC	2.6	-1	9.0	0	0.9	-1	0.283	-1	2.859	0	10.089	1	1717	45	0.5
2509.8	10000	38.0288	95.2191	-819	PKC	2.4	-2	9.0	0	0.9	-2	0.268	-1	2.796	0	10.428	2	1720	45	0.5
2509.7	10000	38.0288	95.2184	-820	PKC	2.5	-1	9.0	0	0.9	-1	0.281	-1	2.891	0	10.285	2	1730	43	0.4
2509.6	10000	38.0288	95.2176	-821	PKC	2.4	-2	9.1	0	0.8	-2	0.266	-1	2.921	0	10.976	2	1726	46	0.4
2509.5	10000	38.0288	95.2169	-821	PKC	2.5	-1	9.7	0	0.8	-2	0.259	-1	3.076	0	11.858	3	1735	50	0.4
2509.4	10000	38.0288	95.2162	-823	PKC	2.4	-2	9.8	0	0.8	-2	0.242	-1	3.012	0	12.448	3	1727	39	0.4
2509.3	10000	38.0288	95.2155	-824	PKC	2.5	-1	9.6	0	0.8	-2	0.258	-1	3.196	0	12.386	3	1726	64	0.4
2509.2	10000	38.0288	95.2148	-826	PKC	2.3	-2	9.7	0	0.8	-2	0.242	-1	3.120	0	12.899	4	1718	36	0.4
2509.1	10000	38.0288	95.2141	-827	PKC	2.3	-2	9.9	0	0.8	-2	0.233	-2	2.862	0	12.270	3	1717	52	0.4
2509.0	10000	38.0288	95.2133	-829	PKC	2.4	-2	10.1	1	0.8	-2	0.238	-2	2.942	0	12.369	3	1722	53	0.4
2508.9	10000	38.0288	95.2126	-831	PKC	2.3	-2	10.5	1	0.9	-2	0.224	-2	2.751	0	12.306	3	1729	49	0.4
2508.8	10000	38.0289	95.2119	-833	PKC	2.7	-1	9.8	0	0.9	-1	0.272	-1	2.939	0	10.810	2	1735	46	0.4
2508.7	10000	38.0288	95.2112	-836	PKC	2.7	-1	9.7	0	1.0	-1	0.274	-1	2.800	0	10.200	1	1738	52	0.4
2508.6	10000	38.0289	95.2105	-838	PKC	2.7	-1	9.6	0	1.0	-1	0.279	-1	2.703	0	9.674	1	1736	60	0.4
2508.5	10000	38.0288	95.2098	-841	PKC	2.6	-1	9.5	0	1.0	-1	0.270	-1	2.460	-1	9.120	1	1734	46	0.4
2508.4	10000	38.0289	95.2090	-844	PKC	2.8	-1	9.5	0	1.0	-1	0.294	-1	2.740	0	9.315	1	1739	61	0.4
2508.3	10000	38.0289	95.2083	-846	PKC	2.7	-1	9.2	0	1.0	-1	0.291	-1	2.571	-1	8.819	0	1744	56	0.4
2508.2	10000	38.0289	95.2076	-849	PKC	2.7	-1	8.7	-1	1.0	-1	0.314	-1	2.608	-1	8.291	0	1738	56	0.4
2508.1	10000	38.0289	95.2069	-851	PKC	2.5	-1	9.1	0	1.0	-1	0.274	-1	2.391	-1	8.717	0	1730	57	0.4
2508.0	10000	38.0289	95.2062	-854	PKC	2.4	-2	8.8	-1	1.0	-1	0.269	-1	2.293	-1	8.529	0	1720	42	0.4
2507.9	10000	38.0289	95.2055	-857	PKC	2.4	-2	9.1	0	1.0	-1	0.268	-1	2.361	-1	8.798	0	1717	47	0.4
2507.8	10000	38.0289	95.2048	-859	PKC	2.6	-1	8.8	-1	1.0	-1	0.292	-1	2.496	-1	8.560	0	1713	49	0.4
2507.7	10000	38.0288	95.2041	-861	PKC	2.4	-2	8.8	-1	1.0	-1	0.272	-1	2.378	-1	8.744	0	1715	34	0.4
2507.6	10000	38.0288	95.2034	-863	PKC	2.5	-1	8.7	-1	1.0	-1	0.277	-1	2.527	-1	9.139	1	1698	40	0.4
2507.5	10000	38.0288	95.2027	-866	PKC	2.4	-2	8.8	-1	1.0	-1	0.286	-1	2.540	-1	8.888	0	1696	41	0.4
2507.4	10000	38.0288	95.2020	-867	PKC	2.6	-1	8.8	-1	1.0	-1	0.288	-1	2.507	-1	8.714	0	1686	38	0.4
2507.3	10000	38.0288	95.2013	-869	PKC	2.5	-1	8.8	-1	1.0	-1	0.303	-1	2.795	-1	9.218	0	1683	52	0.4
2507.2	10000	38.0288	95.2007	-871	PKC	2.4	-2	8.8	-1	1.0	-1	0.286	-1	2.709	-1	9.463	0	1681	49	0.4
2507.1	10000	38.0288	95.2000	-873	PKC	2.4	-2	8.8	-1	1.0	-1	0.271	-1	2.714	-1	9.007	0	1671	56	0.4
2507.0	10000	38.0288	95.1993	-873	PKC	2.4	-2	8.8	-1	1.0	-1	0.255	-1	2.756	-1	8.812	0	1649	43	0.4
2506.9	10000	38.0288	95.1986	-874	PKC	2.2	-2	8.8	-1	1.0	-1	0.236	-2	2.488	-1	8.532	0	1628	48	0.4
2506.8	10000	38.0288	95.1979	-876	PKC	2.2	-2	8.8	-1	1.0	-1	0.239	-2	2.488	-1	8.429	0	1609	46	0.4
2506.7	10000	38.0287	95.1972	-877	PKC	2.1	-2	8.8	-1	1.0	-1	0.247	-1	2.573	-1	8.396	0	1605	41	0.4
2506.6	10000	38.0287	95.1966	-877	PKC	2.1	-2	8.8	-1	1.0	-1	0.243	-1	2.534	-1	8.431	0	1593	60	0.4
2506.5	10000	38.0287	95.1959	-877	PKC	2.1	-2	8.8	-1	1.0	-1	0.253	-1	2.632	-1	8.404	0	1571	53	0.4
2506.4	10000	38.0287	95.1952	-878	PKC	2.1	-2	8.8	-1	1.0	-1	0.245	-1	2.512	-1	8.238	0	1570	42	0.4
2506.3	10000	38.0287	95.1945	-878	PKC	2.1	-2	8.8	-1	1.0	-1	0.258	-1	2.414	-1	8.340	0	1571	54	0.4
2506.2	10000	38.0287	95.1938	-878	PKC	2.1	-2	8.8	-1	1.0	-1	0.261	-1	2.584	-1	8.915	0	1576	44	0.4
2506.1	10000	38.0287	95.1931	-877	PKC	2.2	-2	8.8	-1	1.0	-1	0.258	-1	2.636	-1	9.217	0	1594	55	0.4
2506.0	10000	38.0286	95.1925	-877	PKC	2.2	-2	8.8	-1	1.0	-1	0.240	-2	2.483	-1	9.353	0	1590	54	0.4
2505.9	10000	38.0286	95.1918	-877	PKC	2.2	-2	8.8	-1	1.0	-1	0.236	-2	2.411	-1	9.242	0	1606	46	0.4
2505.8	10000	38.0286	95.1911	-878	PKC	2.2	-2	8.8	-1	1.0	-1	0.240	-2	2.552	-1	9.627	0	1633	51	0.4
2505.7	10000	38.0286	95.1904	-877	PKC	2.2	-2	8.8	-1	1.0	-1	0.246	-2	2.517	-1	9.243	0	1639	44	0.4
2505.6	10000	38.0286	95.1897	-878	PKC	2.1	-2	8.8	-1	1.0	-1	0.229	-2	2.414	-1	9.560	0	1649	38	0.4

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2505.5	10000	38.0286	95.1891	-883	PKC	2.2	-2	9.4	0	0.9	-1	0.236	-2	2.500	-1	10.580	2	1673	56	0.4
2505.4	10000	38.0286	95.1884	-894	PKC	2.3	-2	9.4	0	0.9	-1	0.249	-1	2.667	0	10.721	2	1678	47	0.4
2505.3	10000	38.0286	95.1877	-899	PKC	2.6	-1	9.6	0	0.9	-1	0.267	-1	2.887	0	10.826	2	1693	49	0.4
2505.2	10000	38.0286	95.1870	-891	PKC	2.6	-1	9.5	0	0.9	-2	0.273	-1	2.999	0	10.978	2	1681	52	0.4
2505.1	10000	38.0286	95.1863	-885	PKC	2.4	-2	9.2	0	0.9	-1	0.266	-1	2.766	0	10.415	2	1670	60	0.4
2505.0	10000	38.0286	95.1856	-883	PKC	2.4	-2	9.3	0	0.9	-2	0.264	-1	2.846	0	10.775	2	1659	51	0.4
2504.9	10000	38.0285	95.1850	-884	PKC	2.5	-1	8.7	0	0.9	-2	0.291	-1	2.949	0	10.149	1	1629	45	0.4
2504.8	10000	38.0285	95.1843	-884	PKC	2.6	-1	8.0	-1	0.9	-2	0.322	0	3.002	0	9.316	1	1589	50	0.4
2504.7	10000	38.0285	95.1836	-884	PKC	2.4	-2	7.3	-2	0.8	-2	0.320	0	2.821	0	8.809	0	1520	35	0.4
2504.6	10000	38.0285	95.1829	-884	PKC	2.2	-2	6.8	-2	0.8	-2	0.321	0	2.812	0	8.774	0	1433	52	0.4
2504.5	10000	38.0285	95.1822	-884	PKC	2.1	-2	6.4	-2	0.7	-2	0.328	0	2.846	0	8.672	0	1342	45	0.4
2504.4	10000	38.0285	95.1815	-884	PKC	2.0	-2	5.8	-3	0.7	-3	0.346	0	3.037	0	8.766	0	1244	45	0.5
2504.3	10000	38.0285	95.1809	-885	PKC	2.0	-2	5.2	-3	0.6	-3	0.393	1	3.327	1	8.466	0	1150	40	0.5
2504.2	10000	38.0285	95.1802	-884	PKC	2.0	-2	4.6	-4	0.5	-3	0.429	1	3.778	1	8.813	0	1074	49	0.5
2504.1	10000	38.0285	95.1795	-884	PKC	1.7	-3	4.3	-4	0.5	-4	0.402	1	3.782	1	9.401	1	987	40	0.5
2504.0	10000	38.0285	95.1788	-884	PKC	1.7	-3	4.4	-4	0.4	-4	0.370	1	3.886	1	10.492	2	939	43	0.5
2503.9	10000	38.0285	95.1781	-883	PKC	1.7	-3	4.4	-4	0.4	-4	0.399	1	3.988	1	10.004	1	930	47	0.5
2503.8	10000	38.0284	95.1774	-883	PKC	1.7	-3	4.4	-4	0.5	-4	0.390	1	3.655	1	9.364	1	970	42	0.5
2503.7	10000	38.0284	95.1768	-883	PKC	1.9	-3	4.4	-4	0.5	-3	0.416	1	3.613	1	8.682	0	1037	47	0.5
2503.6	10000	38.0284	95.1761	-882	PKC	2.0	-3	5.1	-3	0.6	-3	0.385	1	3.474	1	9.011	1	1117	37	0.5
2503.5	10000	38.0284	95.1754	-881	PKC	2.1	-2	5.6	-3	0.6	-3	0.379	1	3.614	1	9.543	1	1209	47	0.5
2503.4	10000	38.0284	95.1747	-879	PKC	2.6	-1	5.5	-3	0.6	-3	0.444	1	4.112	2	9.256	1	1332	46	0.5
2503.3	10000	38.0284	95.1740	-877	PKC	3.0	-1	6.1	-3	0.7	-3	0.484	2	4.272	2	8.820	0	1459	46	0.5
2503.2	10000	38.0284	95.1734	-876	PKC	3.4	-1	6.7	-2	0.8	-2	0.506	2	4.390	2	8.683	0	1570	43	0.5
2503.1	10000	38.0284	95.1727	-877	PKC	3.4	-1	6.6	-2	0.8	-2	0.501	2	4.298	2	8.573	0	1629	55	0.5
2503.0	10000	38.0283	95.1720	-877	PKC	3.5	-1	7.0	-2	0.8	-2	0.480	2	4.282	2	8.929	0	1665	45	0.5
2502.9	10000	38.0283	95.1713	-880	PKC	3.5	-1	6.9	-2	0.8	-2	0.479	2	4.164	2	8.684	0	1694	37	0.5
2502.8	10000	38.0283	95.1706	-882	PKC	3.5	-1	7.4	-2	0.8	-2	0.469	2	4.101	2	8.751	0	1724	54	0.5
2502.7	10000	38.0283	95.1699	-884	PKC	3.1	-1	7.8	-1	1.0	-1	0.400	1	3.284	1	8.216	0	1730	52	0.5
2502.6	10000	38.0283	95.1693	-886	PKC	3.0	-1	7.8	-1	1.0	-1	0.386	1	3.157	0	8.174	0	1738	52	0.5
2502.5	10000	38.0283	95.1686	-886	PKC	2.6	-1	7.9	-1	1.0	-1	0.331	1	2.598	0	8.343	0	1747	50	0.5
2502.4	10000	38.0283	95.1679	-886	PKC	2.3	-1	7.8	-1	1.0	-1	0.349	1	2.769	0	8.908	0	1783	43	0.5
2502.3	10000	38.0283	95.1672	-887	PKC	2.1	-1	7.3	-1	1.0	-1	0.351	1	2.815	0	8.534	0	1816	36	0.5
2502.2	10000	38.0283	95.1665	-887	PKC	2.0	-1	6.8	-1	1.0	-1	0.345	1	2.761	0	8.880	0	1843	39	0.5
2502.1	10000	38.0283	95.1658	-887	PKC	1.9	-1	6.3	-1	1.0	-1	0.328	1	2.623	0	8.562	0	1868	46	0.5
2502.0	10000	38.0283	95.1652	-888	PKC	1.9	-1	5.9	-2	1.0	-1	0.348	1	2.781	0	8.017	0	1906	50	0.5
2501.9	10000	38.0283	95.1645	-888	PKC	1.9	-1	5.5	-2	1.0	-1	0.347	1	2.775	0	8.823	0	1943	49	0.5
2501.8	10000	38.0283	95.1638	-889	PKC	1.9	-1	5.1	-2	1.0	-1	0.341	1	2.730	0	8.993	0	1970	43	0.5
2501.7	10000	38.0283	95.1631	-890	PKC	1.9	-1	4.8	-2	1.0	-1	0.292	1	2.338	0	8.426	0	1990	48	0.5
2501.6	10000	38.0283	95.1624	-891	PKC	1.9	-1	4.5	-2	1.0	-1	0.270	1	2.158	0	8.647	0	1993	44	0.5
2501.5	10000	38.0283	95.1617	-893	PKC	1.9	-1	4.3	-2	1.0	-1	0.288	1	2.306	0	8.469	0	1978	40	0.5
2501.4	10000	38.0283	95.1611	-894	PKC	1.9	-1	4.1	-2	1.0	-1	0.279	1	2.234	0	8.711	0	1919	51	0.5
2501.3	10000	38.0283	95.1604	-896	PKC	1.9	-1	3.9	-2	1.0	-1	0.258	1	2.066	0	8.156	0	1851	42	0.5
2501.2	10000	38.0283	95.1597	-898	PKC	1.9	-1	3.8	-2	1.0	-1	0.253	1	2.025	0	8.564	0	1778	52	0.5
2501.1	10000	38.0283	95.1590	-900	PKC	1.9	-1	3.7	-2	1.0	-1	0.253	1	2.025	0	8.693	0	1717	45	0.5
2501.0	10000	38.0283	95.1583	-902	PKC	1.9	-1	3.6	-2	1.0	-1	0.276	1	2.210	0	8.421	0	1661	56	0.5
2500.9	10000	38.0283	95.1577	-903	PKC	1.9	-1	3.5	-2	1.0	-1	0.253	1	2.025	0	8.014	0	1606	55	0.5
2500.8	10000	38.0283	95.1570	-904	PKC	1.9	-1	3.4	-2	1.0	-1	0.256	1	2.051	0	8.147	0	1583	52	0.5
2500.7	10000	38.0283	95.1563	-906	PKC	1.9	-1	3.4	-2	1.0	-1	0.253	1	2.025	0	8.093	0	1585	55	0.5
2500.6	10000	38.0283	95.1556	-907	PKC	1.9	-1	3.3	-2	1.0	-1	0.253	1	2.025	0	8.079	0	1585	55	0.5
2500.5	10000	38.0282	95.1549	-908	PKC	1.9	-1	3.3	-2	1.0	-1	0.253	1	2.025	0	8.079	0	1590	55	0.5
2500.4	10000	38.0281	95.1542	-909	PKC	1.9	-1	3.3	-2	1.0	-1	0.256	1	2.046	0	8.079	0	1593	55	0.5
2500.3	10000	38.0281	95.1535	-909	PKC	1.9	-1	3.3	-2	1.0	-1	0.256	1	2.046	0	8.079	0	1597	55	0.5
2500.2	10000	38.0281	95.1528	-909	PKC	1.9	-1	3.3	-2	1.0	-1	0.256	1	2.046	0	8.079	0	1597	55	0.5
2500.1	10000	38.0281	95.1521	-909	PKC	1.9	-1	3.3	-2	1.0	-1	0.256	1	2.046	0	8.079	0	1597	55	0.5
2500.0	10000	38.0281	95.1514	-909	PKC	1.9	-1	3.3	-2	1.0	-1	0.256	1	2.046	0	8.079	0	1597	55	0.5

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2500.3	10000	38.0281	95.1535	-911	PKC	2.1	-2	8.4	-1	0.9	-1	0.245	-1	2.238	-1	9.132	1	1585	43	0.6
2500.2	10000	38.0280	95.1529	-912	PKC	2.2	-2	8.2	-1	0.9	-1	0.270	-1	2.357	-1	8.723	0	1596	40	0.6
2500.1	10000	38.0280	95.1522	-913	PKC	2.2	-2	8.2	-1	0.9	-1	0.268	-1	2.342	-1	8.747	0	1586	57	0.6
2500.0	10000	38.0280	95.1515	-915	PKC	2.1	-2	8.4	-1	0.9	-1	0.246	-1	2.242	-1	9.107	1	1584	39	0.6
2499.9	10000	38.0280	95.1508	-916	PKC	2.2	-2	8.1	-1	0.9	-1	0.265	-1	2.353	-1	8.871	0	1586	28	0.6
2499.8	10000	38.0280	95.1501	-917	PKC	2.2	-2	8.2	-1	0.9	-1	0.271	-1	2.523	-1	9.315	1	1590	46	0.6
2499.7	10000	38.0280	95.1495	-919	PKC	2.3	-2	8.0	-1	0.8	-2	0.287	-1	2.809	0	9.790	1	1589	42	0.6
2499.6	10000	38.0280	95.1488	-920	PKC	2.3	-2	7.9	-1	0.8	-2	0.297	-1	2.842	0	9.568	1	1596	41	0.6
2499.5	10000	38.0280	95.1481	-921	PKC	2.4	-2	8.2	-1	0.8	-2	0.294	-1	2.905	0	9.896	1	1601	48	0.6
2499.4	10000	38.0280	95.1474	-923	PKC	2.5	-1	8.1	-1	0.8	-2	0.304	-1	3.021	0	9.935	1	1620	41	0.6
2499.3	10000	38.0280	95.1467	-924	PKC	2.6	-1	8.2	-1	0.8	-2	0.318	-1	3.135	0	9.844	1	1640	39	0.6
2499.2	10000	38.0279	95.1460	-925	PKC	2.5	-1	8.3	-1	0.9	-1	0.307	-1	2.896	0	9.449	1	1657	46	0.6
2499.1	10000	38.0279	95.1454	-927	PKC	2.5	-1	8.2	-1	0.9	-1	0.302	-1	2.781	0	9.192	1	1671	44	0.6
2499.0	10000	38.0279	95.1447	-928	PKC	2.4	-2	8.1	-1	1.0	-1	0.294	-1	2.484	-1	8.445	0	1678	35	0.6
2498.9	10000	38.0279	95.1440	-930	PKC	2.6	-1	8.5	-1	1.0	-1	0.304	-1	2.664	0	8.768	0	1683	44	0.6
2498.8	10000	38.0279	95.1433	-931	PKC	2.3	-2	8.2	-1	1.0	-1	0.285	-1	2.425	-1	8.499	0	1689	42	0.6
2498.7	10000	38.0279	95.1426	-932	PKC	2.3	-2	8.1	-1	1.0	-1	0.277	-1	2.271	-1	8.193	0	1672	54	0.6
2498.6	10000	38.0279	95.1419	-933	PKC	2.2	-2	8.3	-1	1.0	-1	0.261	-1	2.179	-1	8.355	0	1658	61	0.6
2498.5	10000	38.0279	95.1413	-934	PKC	2.2	-2	8.6	-1	1.0	-1	0.251	-1	2.253	-1	8.963	0	1649	43	0.6
2498.4	10000	38.0278	95.1406	-935	PKC	2.2	-2	8.5	-1	1.0	-1	0.264	-1	2.365	-1	8.965	0	1652	52	0.6
2498.3	10000	38.0278	95.1399	-936	PKC	2.4	-2	8.8	0	0.9	-1	0.267	-1	2.524	-1	9.452	1	1673	50	0.6
2498.2	10000	38.0278	95.1392	-937	PKC	2.2	-2	9.1	0	1.0	-1	0.239	-2	2.241	-1	9.373	1	1684	48	0.6
2498.1	10000	38.0278	95.1385	-937	PKC	2.2	-2	9.7	1	1.0	-1	0.230	-2	2.273	-1	9.896	1	1703	46	0.6
2498.0	10000	38.0278	95.1378	-939	PKC	2.4	-2	10.1	1	1.0	-1	0.235	-2	2.402	-1	10.239	1	1734	48	0.6
2497.9	10000	38.0278	95.1372	-940	PKC	2.3	-2	10.2	1	1.0	-1	0.224	-2	2.312	-1	10.303	2	1753	42	0.6
2497.8	10000	38.0278	95.1365	-941	PKC	2.4	-2	10.4	1	1.0	-1	0.223	-2	2.273	-1	10.196	1	1773	55	0.6
2497.7	10000	38.0278	95.1358	-942	PKC	2.4	-2	10.4	1	1.0	-1	0.228	-2	2.377	-1	10.429	2	1780	52	0.6
2497.6	10000	38.0278	95.1351	-943	PKC	2.3	-2	10.4	1	1.0	-1	0.226	-2	2.360	-1	10.454	2	1776	44	0.6
2497.5	10000	38.0278	95.1344	-944	PKC	2.3	-2	10.1	1	1.0	-1	0.230	-2	2.402	-1	10.423	2	1786	47	0.6
2497.4	10000	38.0277	95.1338	-945	PKC	2.5	-1	9.7	0	1.0	-1	0.261	-1	2.637	0	10.108	1	1779	48	0.6
2497.3	10000	38.0277	95.1331	-946	PKC	2.5	-1	9.2	0	1.0	-1	0.271	-1	2.520	0	9.307	1	1778	50	0.6
2497.2	10000	38.0277	95.1324	-947	PKC	2.8	-1	9.1	0	1.0	-1	0.310	-1	2.836	0	9.140	1	1810	46	0.6
2497.1	10000	38.0277	95.1317	-948	PKC	2.7	-1	9.3	0	1.0	-1	0.303	-1	2.729	0	8.992	1	1814	58	0.6
2497.0	10000	38.0277	95.1310	-950	PKC	2.8	-1	9.4	0	1.0	-1	0.283	-1	2.538	0	8.969	1	1813	42	0.6
2496.9	10000	38.0277	95.1303	-951	PKC	2.9	-1	9.5	0	1.0	-1	0.295	-1	2.760	0	9.361	1	1819	45	0.6
2496.8	10000	38.0277	95.1297	-952	PKC	2.9	-1	10.0	0	1.0	-1	0.290	-1	2.862	0	9.856	1	1816	48	0.6
2496.7	10000	38.0277	95.1290	-953	PKC	2.7	-1	9.9	0	1.0	-1	0.269	-1	2.484	0	9.226	1	1826	50	0.6
2496.6	10000	38.0276	95.1283	-954	PKC	2.6	-1	9.2	0	1.0	-1	0.256	-1	2.482	0	9.687	1	1837	53	0.6
2496.5	10000	38.0276	95.1276	-955	PKC	2.4	-2	9.1	0	1.0	-1	0.237	-2	2.298	0	9.705	1	1817	49	0.6
2496.4	10000	38.0276	95.1269	-955	PKC	2.5	-1	9.9	0	1.0	-1	0.255	-1	2.430	0	9.539	1	1823	58	0.6
2496.3	10000	38.0276	95.1262	-956	PKC	2.6	-1	9.5	0	1.0	-1	0.270	-1	2.523	0	9.329	1	1822	41	0.6
2496.2	10000	38.0276	95.1256	-957	PKC	2.4	-2	9.2	0	1.0	-1	0.265	-1	2.252	0	8.501	1	1823	41	0.6
2496.1	10000	38.0276	95.1249	-957	PKC	2.5	-1	8.8	0	1.0	-1	0.285	-1	2.326	0	8.163	1	1842	44	0.6
2496.0	10000	38.0276	95.1242	-958	PKC	2.5	-1	9.3	0	1.0	-1	0.267	-1	2.486	0	8.310	1	1836	47	0.6
2495.9	10000	38.0276	95.1235	-958	PKC	2.4	-2	9.7	0	1.0	-1	0.249	-1	2.366	0	8.495	1	1836	43	0.6
2495.8	10000	38.0276	95.1228	-958	PKC	2.5	-2	9.9	0	1.0	-1	0.252	-1	2.384	0	8.751	1	1838	51	0.6
2495.7	10000	38.0276	95.1221	-958	PKC	2.4	-2	10.1	0	1.0	-1	0.244	-1	2.556	0	9.245	1	1839	51	0.6
2495.6	10000	38.0275	95.1215	-958	PKC	2.4	-2	10.1	0	1.0	-1	0.249	-1	2.432	0	9.755	1	1853	51	0.6
2495.5	10000	38.0275	95.1208	-958	PKC	2.4	-2	10.1	0	1.0	-1	0.224	-2	2.383	-1	10.084	2	1853	45	0.6
2495.4	10000	38.0275	95.1201	-957	PKC	2.2	-2	10.1	0	1.0	-1	0.211	-2	2.346	-1	9.953	2	1833	47	0.6
2495.3	10000	38.0275	95.1194	-957	PKC	2.2	-2	10.1	0	1.0	-1	0.203	-2	2.283	-1	9.930	2	1830	47	0.6
2495.2	10000	38.0275	95.1187	-956	PKC	2.4	-2	10.7	1	0.9	-1	0.228	-2	2.605	-1	11.437	2	1817	48	0.6

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2495.1	10000	38.0275	95.1181	-956	PKC	2.5	-1	10.1	1	0.9	-1	0.247	-1	2.828	0	11.472	2	1793	50	0.6
2495.0	10000	38.0275	95.1174	-955	PKC	2.5	-1	9.8	0	0.9	-1	0.258	-1	2.848	0	11.024	2	1785	38	0.6
2494.9	10000	38.0275	95.1167	-954	PKC	2.6	-1	8.9	0	0.9	-2	0.293	-1	3.030	0	10.331	2	1773	50	0.6
2494.8	10000	38.0275	95.1160	-954	PKC	2.6	-1	8.6	-1	0.8	-2	0.301	-1	3.063	0	10.179	1	1761	36	0.6
2494.7	10000	38.0275	95.1153	-953	PKC	2.5	-1	8.6	-1	0.8	-2	0.293	-1	3.023	0	10.321	2	1751	48	0.6
2494.6	10000	38.0274	95.1146	-952	PKC	2.6	-1	8.7	0	0.9	-2	0.294	-1	3.012	0	10.244	1	1736	43	0.6
2494.5	10000	38.0274	95.1140	-951	PKC	2.5	-1	9.0	0	0.9	-2	0.277	-1	2.860	0	10.340	2	1733	55	0.6
2494.4	10000	38.0274	95.1133	-950	PKC	2.6	-1	9.1	0	0.9	-1	0.281	-1	2.837	0	10.111	1	1734	50	0.6
2494.3	10000	38.0274	95.1126	-949	PKC	2.8	-1	9.3	0	0.9	-2	0.301	-1	3.234	0	10.754	2	1723	45	0.6
2494.2	10000	38.0274	95.1119	-947	PKC	2.7	-1	9.5	0	0.8	-2	0.287	-1	3.201	0	11.174	2	1716	54	0.6
2494.1	10000	38.0274	95.1112	-946	PKC	2.9	-1	9.6	0	0.8	-2	0.301	-1	3.422	1	11.370	2	1721	40	0.6
2494.0	10000	38.0274	95.1105	-945	PKC	3.0	0	9.3	0	0.9	-2	0.328	0	3.571	1	10.884	2	1731	45	0.6
2493.9	10000	38.0274	95.1099	-943	PKC	2.9	-1	9.1	0	0.8	-2	0.320	0	3.443	1	10.744	2	1744	61	0.6
2493.8	10000	38.0274	95.1092	-942	PKC	2.8	-1	9.1	0	0.9	-2	0.308	-1	3.281	0	10.661	2	1754	55	0.6
2493.7	10000	38.0273	95.1085	-940	PKC	2.6	-1	9.7	0	0.9	-2	0.271	-1	3.056	0	11.284	2	1782	57	0.6
2493.6	10000	38.0273	95.1078	-939	PKC	2.4	-2	10.0	1	0.9	-1	0.241	-1	2.643	0	10.957	2	1812	55	0.6
2493.5	10000	38.0273	95.1071	-937	PKC	2.4	-2	10.0	1	0.9	-1	0.242	-1	2.611	-1	10.779	2	1842	46	0.6
2493.4	10000	38.0273	95.1064	-9[illegible]		2.2	-2	10.3	1	1.0	-1	0.215	-2	2.302	-1	10.732	2	1860	49	0.7
2493.3	10000	38.0273	95.1058	-933	PKC	2.2	-2	10.4	1	1.0	-1	0.210	-2	2.182	-1	10.368	2	1895	50	0.7
2493.2	10000	38.0273	95.1051	-931	PKC	2.4	-2	10.9	1	1.0	-1	0.218	-2	2.341	-1	10.761	2	1938	50	0.7
2493.1	10000	38.0273	95.1044	-929	PKC	2.8	-1	11.2	1	1.0	-1	0.249	-1	2.707	0	10.857	2	1977	67	0.7
2493.0	10000	38.0273	95.1037	-928	PKC	2.9	-1	11.4	2	1.1	0	0.257	-1	2.644	0	10.302	2	2003	60	0.7
2492.9	10000	38.0272	95.1030	-926	PKC	2.8	-1	11.2	1	1.1	0	0.252	-1	2.494	-1	9.905	1	2050	41	0.7
2492.8	10000	38.0272	95.1024	-924	PKC	2.8	-1	11.4	2	1.2	0	0.244	-1	2.385	-1	9.784	1	2069	46	0.7
2492.7	10000	38.0272	95.1017	-922	PKC	3.1	0	11.3	2	1.2	0	0.272	-1	2.625	-1	9.634	1	2105	48	0.6
2492.6	10000	38.0272	95.1010	-920	PKC	2.9	-1	11.4	2	1.1	0	0.256	-1	2.586	-1	10.114	1	2090	48	0.6
2492.5	10000	38.0272	95.1003	-918	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.767	-1	9.653	1	2071	49	0.6
2492.4	10000	38.0272	95.0996	-915	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.705	-1	9.671	1	2060	47	0.6
2492.3	10000	38.0272	95.0989	-913	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.921	-1	9.485	1	2025	54	0.6
2492.2	10000	38.0272	95.0983	-912	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	3.143	-1	9.671	1	1968	51	0.6
2492.1	10000	38.0272	95.0976	-910	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	3.334	-1	9.781	1	1900	56	0.6
2492.0	10000	38.0272	95.0969	-908	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	3.012	-1	9.610	1	1836	41	0.6
2491.9	10000	38.0271	95.0962	-905	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.976	-1	9.855	1	1797	54	0.6
2491.8	10000	38.0272	95.0955	-903	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.746	-1	9.584	1	1767	34	0.6
2491.7	10000	38.0272	95.0947	-901	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.606	-1	9.404	1	1732	54	0.6
2491.6	10000	38.0272	95.0940	-899	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.585	-1	9.966	1	1714	33	0.6
2491.5	10000	38.0273	95.0932	-896	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.328	-1	9.917	1	1693	38	0.6
2491.4	10000	38.0273	95.0925	-894	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.527	-1	9.535	1	1696	41	0.6
2491.3	10000	38.0273	95.0918	-892	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.616	-1	9.331	1	1694	48	0.6
2491.2	10000	38.0273	95.0910	-890	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.988	-1	9.513	1	1698	49	0.6
2491.1	10000	38.0273	95.0903	-888	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	3.065	-1	9.818	1	1693	59	0.6
2491.0	10000	38.0273	95.0896	-885	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.779	-1	9.069	1	1697	25	0.6
2490.9	10000	38.0274	95.0888	-882	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.568	-1	9.916	1	1725	47	0.6
2490.8	10000	38.0274	95.0881	-879	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.661	-1	9.793	1	1777	23	0.6
2490.7	10000	38.0274	95.0874	-877	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.449	-1	9.898	1	1824	39	0.6
2490.6	10000	38.0274	95.0866	-874	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.517	-1	9.576	1	1880	41	0.6
2490.5	10000	38.0275	95.0859	-871	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.284	-1	9.680	1	1926	34	0.6
2490.4	10000	38.0275	95.0851	-869	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.357	-1	9.730	1	1973	42	0.6
2490.3	10000	38.0275	95.0844	-867	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.670	-1	9.671	1	2007	31	0.6
2490.2	10000	38.0275	95.0837	-865	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.816	-1	9.693	1	2026	26	0.6
2490.1	10000	38.0275	95.0829	-863	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.415	-1	9.684	1	2031	57	0.6
2490.0	10000	38.0276	95.0822	-858	PKC	2.7	-1	10.7	1	1.0	-1	0.238	-2	2.346	-1	9.870	1	2031	57	0.6

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2489.9	10000	38.0276	95.0815	-855	PKC	2.6	-1	11.2	1	1.2	0	0.233	-2	2.174	-1	9.320	1	2014	39	0.6
2489.8	10000	38.0276	95.0807	-851	PKC	2.6	-1	11.4	2	1.2	0	0.226	-2	2.167	-1	9.574	1	2006	39	0.6
2489.7	10000	38.0276	95.0800	-848	PKC	2.4	-2	11.1	1	1.2	0	0.217	-2	2.014	-1	9.263	1	1982	40	0.6
2489.6	10000	38.0277	95.0792	-844	PKC	2.2	-2	10.4	1	1.2	1	0.210	-2	1.781	-2	8.490	0	1961	58	0.6
2489.5	10000	38.0277	95.0785	-839	PKC	2.1	-2	10.3	1	1.2	1	0.199	-2	1.657	-2	8.328	0	1930	41	0.6
2489.4	10000	38.0277	95.0778	-834	PKC	2.3	-2	10.1	1	1.2	1	0.227	-2	1.937	-1	8.551	0	1914	49	0.6
2489.3	10000	38.0277	95.0770	-826	PKC	2.4	-2	9.8	0	1.2	0	0.244	-1	2.022	-1	8.277	0	1894	44	0.6
2489.2	10000	38.0277	95.0763	-818	PKC	2.6	-1	9.4	0	1.1	0	0.271	-1	2.284	-1	8.433	0	1857	66	0.6
2489.1	10000	38.0278	95.0755	-810	PKC	2.4	-2	8.9	0	1.1	0	0.266	-1	2.216	-1	8.324	0	1828	48	0.6
2489.0	10000	38.0278	95.0748	-807	PKC	2.4	-2	9.0	0	1.1	0	0.264	-1	2.201	-1	8.343	0	1821	47	0.6
2488.9	10000	38.0278	95.0741	-808	PKC	2.5	-1	9.4	0	1.1	0	0.265	-1	2.342	-1	8.842	0	1824	53	0.6
2488.8	10000	38.0278	95.0733	-809	PKC	2.5	-1	9.3	0	1.0	-1	0.265	-1	2.401	-1	9.057	1	1838	38	0.6
2488.7	10000	38.0279	95.0726	-808	PKC	2.8	-1	9.4	0	1.1	0	0.294	-1	2.543	-1	8.655	0	1863	41	0.6
2488.6	10000	38.0279	95.0719	-805	PKC	2.7	-1	9.1	0	1.1	0	0.294	-1	2.521	-1	8.569	0	1879	50	0.6
2488.5	10000	38.0279	95.0711	-801	PKC	2.7	-1	9.5	0	1.1	0	0.282	-1	2.404	-1	8.511	0	1914	56	0.6
2488.4	10000	38.0279	95.0704	-797	PKC	3.0	-1	9.7	0	1.1	0	0.311	-1	2.695	0	8.671	0	1956	46	0.5
2488.3	10000	38.0279	95.0696	-793	PKC	3.2	0	9.7	0	1.1	0	0.330	0	2.870	0	8.695	0	1992	40	0.5
2488.2	10000	38.0280	95.0689	-787	PKC	3.3	0	9.4	0	1.1	0	0.347	0	2.888	0	8.328	0	2021	57	0.5
2488.1	10000	38.0280	95.0682	-782	PKC	3.5	0	9.6	0	1.1	0	0.361	0	3.112	0	8.617	0	2037	56	0.5
2488.0	10000	38.0280	95.0674	-777	PKC	3.5	0	9.7	0	1.1	0	0.366	0	3.252	0	8.893	0	2030	46	0.5
2487.9	10000	38.0280	95.0667	-772	PKC	3.8	0	9.9	0	1.1	0	0.379	0	3.450	1	9.095	1	2041	47	0.5
2487.8	10000	38.0281	95.0659	-766	PKC	3.7	0	10.1	1	1.1	0	0.368	0	3.542	1	9.611	1	2054	38	0.5
2487.7	10000	38.0281	95.0652	-761	PKC	3.5	0	10.4	1	1.1	0	0.339	0	3.184	1	9.390	1	2050	45	0.5
2487.6	10000	38.0281	95.0645	-756	PKC	3.4	0	10.4	1	1.1	0	0.326	0	3.051	1	9.357	1	2036	51	0.5
2487.5	10000	38.0281	95.0637	-752	PKC	3.4	0	10.7	1	1.1	0	0.319	-1	3.096	0	9.704	1	2026	45	0.5
2487.4	10000	38.0282	95.0630	-748	PKC	3.3	0	10.3	1	1.1	0	0.323	0	2.967	0	9.174	1	1998	50	0.5
2487.3	10000	38.0282	95.0623	-743	PKC	3.0	-1	9.7	1	1.1	0	0.307	-1	2.699	0	8.778	0	1967	63	0.5
2487.2	10000	38.0282	95.0615	-737	PKC	2.7	-1	9.2	1	1.1	0	0.296	-1	2.463	-1	8.321	0	1913	41	0.5
2487.1	10000	38.0282	95.0608	-731	PKC	2.8	-1	8.8	1	1.1	0	0.318	-1	2.616	-1	8.227	0	1860	39	0.5
2487.0	10000	38.0282	95.0600	-724	PKC	2.8	-1	8.8	1	1.1	0	0.317	-1	2.800	-1	8.317	0	1815	50	0.5
2486.9	10000	38.0283	95.0593	-716	PKC	2.8	-1	8.8	1	1.1	0	0.317	-1	2.758	-1	8.351	0	1787	41	0.5
2486.8	10000	38.0283	95.0586	-710	PKC	2.8	-1	8.8	1	1.1	0	0.317	-1	2.619	-1	8.997	0	1759	51	0.5
2486.7	10000	38.0283	95.0578	-705	PKC	2.6	-1	8.8	1	1.1	0	0.297	-1	2.501	-1	8.312	0	1749	46	0.5
2486.6	10000	38.0283	95.0571	-701	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.330	-1	8.640	0	1753	40	0.5
2486.5	10000	38.0284	95.0564	-695	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.382	-1	8.350	0	1779	45	0.5
2486.4	10000	38.0284	95.0556	-689	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.284	-1	8.796	0	1796	43	0.5
2486.3	10000	38.0284	95.0549	-684	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.347	-1	8.912	0	1799	41	0.5
2486.2	10000	38.0284	95.0541	-678	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.576	-1	8.326	0	1803	42	0.5
2486.1	10000	38.0284	95.0534	-673	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.158	-1	9.340	0	1774	42	0.5
2486.0	10000	38.0285	95.0527	-668	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.261	-1	8.454	0	1753	44	0.5
2485.9	10000	38.0285	95.0519	-663	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.401	-1	8.449	0	1740	46	0.5
2485.8	10000	38.0285	95.0512	-658	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.347	-1	8.097	0	1707	48	0.5
2485.7	10000	38.0285	95.0505	-653	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.362	-1	8.639	0	1698	39	0.5
2485.6	10000	38.0285	95.0497	-648	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.355	-1	8.641	0	1699	58	0.5
2485.5	10000	38.0286	95.0490	-643	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.551	-1	8.614	0	1707	52	0.5
2485.4	10000	38.0286	95.0482	-638	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.329	-1	8.730	0	1740	55	0.5
2485.3	10000	38.0286	95.0475	-633	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.365	-1	8.751	0	1742	54	0.5
2485.2	10000	38.0287	95.0468	-629	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.288	-1	8.975	0	1746	50	0.5
2485.1	10000	38.0287	95.0460	-624	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.527	-1	9.267	0	1760	46	0.5
2485.0	10000	38.0287	95.0453	-620	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.511	-1	9.606	0	1762	50	0.5
2484.9	10000	38.0287	95.0446	-615	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.176	-1	8.864	0	1774	51	0.5
2484.8	10000	38.0287	95.0438	-611	PKC	2.7	-1	8.8	1	1.1	0	0.306	-1	2.980	-1	9.733	0	1772	58	0.5

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2484.7	10000	38.0288	95.0431	-608	PKC	2.6	-1	10.2	1	0.9	-1	0.250	-1	2.857	0	11.424	2	1788	39	0.5
2484.6	10000	38.0288	95.0423	-603	PKC	2.7	-1	9.6	0	0.9	-1	0.284	-1	2.981	0	10.497	2	1795	54	0.5
2484.5	10000	38.0288	95.0416	-598	PKC	2.8	-1	9.2	0	0.9	-1	0.309	-1	3.074	0	9.949	1	1782	48	0.5
2484.4	10000	38.0288	95.0409	-595	PKC	3.0	0	9.0	0	0.9	-1	0.339	0	3.489	1	10.302	2	1752	51	0.5
2484.3	10000	38.0288	95.0401	-592	PKC	2.9	-1	9.0	0	0.8	-2	0.318	-1	3.458	1	10.891	2	1714	47	0.5
2484.2	10000	38.0289	95.0394	-588	PKC	3.1	0	8.1	-1	0.8	-2	0.379	0	3.810	1	10.048	1	1680	47	0.5
2484.1	10000	38.0289	95.0387	-585	PKC	3.0	0	8.0	-1	0.8	-2	0.379	0	3.739	1	9.867	1	1655	54	0.5
2484.0	10000	38.0289	95.0379	-581	PKC	3.0	0	8.0	-1	0.8	-2	0.378	0	3.882	1	10.276	2	1635	38	0.5
2483.9	10000	38.0289	95.0372	-578	PKC	3.0	0	8.0	-1	0.8	-2	0.375	0	3.782	1	10.080	1	1645	42	0.5
2483.8	10000	38.0290	95.0364	-575	PKC	2.8	-1	8.4	-1	0.9	-2	0.334	0	3.287	1	9.838	1	1689	36	0.5
2483.7	10000	38.0290	95.0357	-572	PKC	2.7	-1	8.4	-1	0.9	-1	0.326	0	2.975	0	9.135	1	1743	40	0.5
2483.6	10000	38.0290	95.0350	-569	PKC	2.8	-1	8.4	-1	1.0	-1	0.333	0	2.789	0	8.385	0	1824	43	0.5
2483.5	10000	38.0290	95.0342	-567	PKC	2.7	-1	9.1	0	1.0	-1	0.299	-1	2.646	0	8.864	0	1884	37	0.5
2483.4	10000	38.0290	95.0335	-564	PKC	3.0	-1	9.4	0	1.1	0	0.317	-1	2.736	0	8.622	0	1934	37	0.5
2483.3	10000	38.0291	95.0327	-562	PKC	3.0	-1	9.0	0	1.2	0	0.332	0	2.596	-1	7.814	0	1939	52	0.5
2483.2	10000	38.0291	95.0320	-560	PKC	3.0	-1	9.2	0	1.1	0	0.326	0	2.625	-1	8.046	0	1937	42	0.5
2483.1	10000	38.0291	95.0313	-558	PKC	3.1	0	8.6	-1	1.1	0	0.355	0	2.810	0	7.915	0	1909	48	0.5
2483.0	10000	38.0291	95.0305	-556	PKC	3.1	0	8.6	-1	1.1	0	0.358	0	2.891	0	8.084	0	1875	46	0.5
2482.9	10000	38.0292	95.0298	-553	PKC	3.3	0	8.4	-1	1.0	-1	0.386	0	3.170	0	8.219	0	1821	52	0.5
2482.8	10000	38.0292	95.0291	-551	PKC	3.1	0	8.3	-1	1.0	-1	0.378	0	3.075	0	8.143	0	1780	42	0.5
2482.7	10000	38.0292	95.0283	-549	PKC	2.8	-1	8.0	-1	1.0	-1	0.354	0	2.964	0	8.371	0	1741	44	0.5
2482.6	10000	38.0292	95.0276	-546	PKC	2.8	-1	7.8	-1	1.0	-1	0.357	0	2.767	0	7.760	0	1722	45	0.5
2482.5	10000	38.0292	95.0268	-544	PKC	2.7	-1	7.8	-1	1.0	0	0.353	0	2.618	-1	7.420	-1	1734	56	0.5
2482.4	10000	38.0293	95.0261	-541	PKC	2.8	-1	7.8	-1	1.0	0	0.356	0	2.642	-1	7.429	-1	1749	33	0.5
2482.3	10000	38.0293	95.0254	-538	PKC	2.8	-1	7.8	-1	1.1	0	0.361	0	2.577	-1	7.149	-1	1758	49	0.5
2482.2	10000	38.0293	95.0246	-536	PKC	2.9	-1	8.4	-1	1.1	0	0.342	0	2.684	0	7.838	0	1761	42	0.5
2482.1	10000	38.0293	95.0239	-534	PKC	2.8	-1	7.8	-1	1.1	0	0.357	0	2.741	0	7.674	-1	1755	52	0.5
2482.0	10000	38.0293	95.0231	-531	PKC	2.8	-1	7.8	-1	1.1	0	0.360	0	2.932	0	7.520	-1	1746	46	0.5
2481.9	10000	38.0294	95.0224	-529	PKC	2.8	-1	7.8	-1	1.1	0	0.360	0	2.160	0	8.367	0	1725	48	0.5
2481.8	10000	38.0294	95.0217	-526	PKC	2.8	-1	7.8	-1	1.1	0	0.360	0	2.276	0	8.543	0	1675	48	0.5
2481.7	10000	38.0294	95.0209	-524	PKC	2.8	-1	7.8	-1	1.1	0	0.360	0	2.289	0	8.294	0	1627	47	0.5
2481.6	10000	38.0294	95.0202	-522	PKC	2.8	-1	7.8	-1	1.1	0	0.360	0	2.518	0	8.378	0	1605	41	0.5
2481.5	10000	38.0295	95.0195	-520	PKC	2.8	-1	7.8	-1	1.1	0	0.360	0	2.439	0	7.919	0	1576	56	0.5
2481.4	10000	38.0295	95.0187	-517	PKC	2.8	-1	7.8	-1	1.1	0	0.360	0	2.480	0	8.101	0	1563	51	0.5
2481.3	10000	38.0295	95.0180	-515	PKC	2.8	-1	7.8	-1	1.1	0	0.360	0	2.244	0	7.922	0	1550	57	0.5
2481.2	10000	38.0295	95.0172	-513	PKC	2.8	-1	7.8	-1	1.1	0	0.360	0	2.347	-1	7.577	0	1553	60	0.5
2481.1	10000	38.0296	95.0165	-510	PKC	2.8	-1	7.8	-1	1.1	0	0.360	0	2.413	-1	7.456	0	1576	42	0.5
2481.0	10000	38.0296	95.0158	-508	PP	2.8	-1	7.8	-1	1.1	0	0.360	0	2.432	-1	8.085	0	1598	36	0.6
2480.9	10000	38.0296	95.0150	-505	PP	2.8	-1	7.8	-1	1.1	0	0.360	0	2.435	0	8.702	0	1611	49	0.6
2480.8	10000	38.0296	95.0143	-503	PP	2.8	-1	7.8	-1	1.1	0	0.360	0	2.352	0	8.369	0	1629	57	0.6
2480.7	10000	38.0296	95.0135	-501	PP	2.8	-1	7.8	-1	1.1	0	0.360	0	2.376	0	8.324	0	1647	45	0.6
2480.6	10000	38.0297	95.0128	-498	PP	2.8	-1	7.8	-1	1.1	0	0.360	0	2.329	0	8.767	0	1664	41	0.6
2480.5	10000	38.0297	95.0121	-496	PP	2.8	-1	7.8	-1	1.1	0	0.360	0	2.420	0	8.896	0	1662	54	0.6
2480.4	10000	38.0297	95.0113	-493	PP	2.8	-1	7.8	-1	1.1	0	0.360	0	2.464	0	8.983	0	1666	55	0.6
2480.3	10000	38.0297	95.0106	-491	PP	2.8	-1	7.8	-1	1.1	0	0.360	0	2.993	0	8.768	0	1657	46	0.6
2480.2	10000	38.0297	95.0099	-489	PP	2.8	-1	7.8	-1	1.1	0	0.360	0	3.069	0	8.988	0	1663	48	0.6
2480.1	10000	38.0298	95.0091	-486	PP	2.8	-1	7.8	-1	1.1	0	0.360	0	3.304	0	9.417	-1	1670	56	0.6
2480.0	10000	38.0298	95.0084	-483	PP	2.8	-1	7.8	-1	1.1	0	0.360	0	3.232	0	9.160	-1	1650	47	0.6
2479.9	10000	38.0298	95.0077	-482	PP	2.8	-1	7.8	-1	1.1	0	0.360	0	3.665	0	9.800	-1	1632	40	0.6
2479.8	10000	38.0298	95.0069	-479	PP	2.8	-1	7.8	-1	1.1	0	0.360	0	3.445	0	9.323	-1	1620	45	0.6
2479.7	10000	38.0299	95.0062	-477	PP	2.8	-1	7.8	-1	1.1	0	0.360	0	3.545	0	9.289	-1	1589	53	0.6
2479.6	10000	38.0299	95.0054	-475	PP	2.8	-1	7.8	-1	1.1	0	0.360	0	3.199	0	9.504	-1	1566	50	0.6

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2479.5	10000	38.0299	95.0047	-473	PKC	3.2	0	5.4	-3	0.7	-2	0.595	3	4.451	2	7.483	-1	1523	49	0.6
2479.4	10000	38.0299	95.0040	-470	PKC	3.2	0	5.2	-3	0.7	-2	0.605	3	4.499	2	7.438	-1	1498	43	0.6
2479.3	10000	38.0299	95.0032	-468	PKC	3.4	0	5.2	-3	0.7	-3	0.648	4	4.906	3	7.571	-1	1491	45	0.6
2479.2	10000	38.0300	95.0025	-466	PKC	3.3	0	4.8	-4	0.7	-2	0.699	4	4.815	3	6.886	-1	1486	57	0.6
2479.1	10000	38.0300	95.0018	-464	PKC	3.3	0	4.7	-4	0.7	-2	0.692	4	4.411	2	6.376	-2	1506	51	0.6
2479.0	10000	38.0300	95.0010	-463	PKC	3.3	0	5.1	-3	0.8	-2	0.647	4	4.195	2	6.485	-1	1522	46	0.6
2478.9	10000	38.0300	95.0003	-461	PKC	3.3	0	5.3	-3	0.8	-2	0.616	3	3.886	1	6.307	-2	1557	64	0.6
2478.8	10000	38.0301	94.9995	-459	PKC	3.2	0	5.9	-3	0.9	-1	0.551	2	3.686	1	6.685	-1	1594	54	0.6
2478.7	10000	38.0301	94.9988	-457	PKC	3.0	-1	6.0	-3	1.0	-1	0.505	2	3.167	0	6.271	-2	1630	52	0.6
2478.6	10000	38.0301	94.9981	-455	PKC	2.8	-1	6.1	-3	0.9	-1	0.457	1	2.959	0	6.469	-1	1654	45	0.6
2478.5	10000	38.0301	94.9973	-454	PKC	2.6	-1	6.7	-2	1.0	-1	0.390	0	2.700	0	6.922	-1	1659	53	0.6
2478.4	10000	38.0302	94.9966	-452	PKC	2.6	-1	6.7	-2	1.0	-1	0.386	0	2.626	-1	6.812	-1	1653	47	0.6
2478.3	10000	38.0302	94.9958	-450	PKC	2.4	-2	6.6	-2	1.0	-1	0.370	0	2.493	-1	6.740	-1	1648	37	0.6
2478.2	10000	38.0302	94.9951	-448	PKC	2.4	-2	6.4	-2	1.0	-1	0.376	0	2.511	-1	6.671	-1	1610	45	0.6
2478.1	10000	38.0302	94.9944	-446	PKC	2.4	-2	6.2	-2	1.0	-1	0.379	0	2.490	-1	6.565	-1	1588	46	0.6
2478.0	10000	38.0302	94.9936	-444	PKC	2.4	-2	6.0	-3	0.9	-1	0.405	1	2.751	0	6.795	-1	1519	35	0.6
2477.9	10000	38.0303	94.9929	-442	PKC	2.3	-2	6.0	-3	0.9	-1	0.390	0	2.592	-1	6.649	-1	1469	57	0.6
2477.8	10000	38.0303	94.9922	-439	PKC	2.2	-2	5.7	-3	0.8	-2	0.382	0	2.559	-1	6.699	-1	1440	47	0.6
2477.7	10000	38.0303	94.9914	-436	PKC	2.3	-2	5.5	-3	0.8	-2	0.427	1	3.056	0	7.151	-1	1423	50	0.7
2477.6	10000	38.0303	94.9907	-434	PKC	2.4	-2	5.4	-3	0.7	-2	0.446	1	3.335	1	7.480	-1	1413	39	0.7
2477.5	10000	38.0303	94.9899	-431	PP	2.5	-2	5.6	-3	0.7	-2	0.452	1	3.376	0	7.476	-1	1435	40	0.7
2477.4	10000	38.0304	94.9892	-429	PP	2.4	-2	5.9	-3	0.8	-2	0.410	1	3.095	0	7.554	-1	1444	44	0.7
2477.3	10000	38.0304	94.9885	-427	PP	2.3	-2	6.3	-2	0.8	-2	0.366	0	2.760	0	7.536	-1	1498	45	0.7
2477.2	10000	38.0304	94.9877	-426	PP	2.6	-1	6.2	-2	0.9	-1	0.413	0	2.960	0	7.167	-1	1554	49	0.7
2477.1	10000	38.0304	94.9870	-425	PP	2.8	-1	6.6	-2	0.9	-1	0.424	0	3.041	0	7.178	-1	1607	39	0.7
2477.0	10000	38.0304	94.9863	-424	PP	2.7	-1	6.9	-2	1.0	-1	0.393	0	2.836	0	7.211	-1	1656	59	0.7
2476.9	10000	38.0304	94.9856	-423	PP	2.8	-1	7.2	-1	1.1	0	0.392	0	2.668	-1	6.808	-1	1724	64	0.7
2476.8	10000	38.0304	94.9849	-423	PP	2.8	-1	7.3	-1	1.1	0	0.381	0	2.477	-1	6.500	-1	1777	47	0.7
2476.7	10000	38.0304	94.9842	-424	PP	2.9	-1	7.4	-1	1.2	0	0.391	0	2.483	-1	6.354	-1	1837	47	0.7
2476.6	10000	38.0304	94.9835	-424	PP	3.2	0	7.4	-1	1.2	0	0.430	0	2.704	0	6.293	-2	1877	44	0.7
2476.5	10000	38.0304	94.9828	-425	PP	3.1	0	7.7	-1	1.2	0	0.404	0	2.644	-1	6.551	-1	1910	57	0.7
2476.4	10000	38.0304	94.9821	-426	PP	3.1	0	7.7	-1	1.2	0	0.399	0	2.564	-1	6.425	-1	1940	45	0.7
2476.3	10000	38.0304	94.9814	-428	PP	3.2	0	7.6	-1	1.2	0	0.413	0	2.642	-1	6.391	-1	1941	54	0.7
2476.2	10000	38.0304	94.9807	-429	PP	3.1	0	7.8	-1	1.2	0	0.397	0	2.631	-1	6.627	-1	1941	34	0.7
2476.1	10000	38.0304	94.9800	-431	PP	3.1	0	8.0	-1	1.2	0	0.401	0	2.930	-1	7.304	-1	1936	47	0.7
2476.0	10000	38.0304	94.9793	-431	PP	3.1	0	8.0	-1	1.2	0	0.410	0	3.074	-1	7.495	-1	1939	50	0.7
2475.9	10000	38.0304	94.9786	-432	PP	3.1	0	8.0	-1	1.2	0	0.400	0	2.990	-1	7.477	-1	1928	35	0.7
2475.8	10000	38.0304	94.9779	-433	PP	3.1	0	8.0	-1	1.2	0	0.377	0	2.825	-1	7.496	-1	1919	51	0.7
2475.7	10000	38.0304	94.9772	-434	PP	3.1	0	8.0	-1	1.2	0	0.378	0	2.772	-1	7.341	-1	1903	59	0.7
2475.6	10000	38.0304	94.9765	-434	PP	3.1	0	8.0	-1	1.2	0	0.334	0	2.532	-1	7.589	-1	1905	60	0.7
2475.5	10000	38.0304	94.9758	-435	PP	3.1	0	8.0	-1	1.2	0	0.358	0	2.751	0	7.682	-1	1900	44	0.7
2475.4	10000	38.0304	94.9751	-435	PP	3.1	0	8.0	-1	1.2	0	0.381	0	2.774	-1	7.275	0	1914	35	0.7
2475.3	10000	38.0304	94.9744	-435	PP	3.1	0	8.0	-1	1.2	0	0.370	0	2.712	-1	7.326	-1	1891	45	0.7
2475.2	10000	38.0304	94.9737	-436	PKC	3.1	0	8.0	-1	1.2	0	0.365	0	2.710	-1	7.430	-1	1885	47	0.7
2475.1	10000	38.0304	94.9730	-436	PKC	3.1	0	8.0	-1	1.2	0	0.367	0	2.814	-1	7.663	-1	1872	38	0.7
2475.0	10000	38.0304	94.9723	-437	PKC	3.1	0	8.0	-1	1.2	0	0.378	0	2.838	-1	7.029	-1	1853	61	0.7
2474.9	10000	38.0304	94.9716	-438	PKC	3.1	0	8.0	-1	1.2	0	0.393	0	2.909	-1	7.911	-1	1811	41	0.7
2474.8	10000	38.0304	94.9709	-439	PKC	3.1	0	8.0	-1	1.2	0	0.366	0	2.897	-1	7.926	-1	1763	51	0.7
2474.7	10000	38.0304	94.9702	-440	PKC	3.1	0	8.0	-1	1.2	0	0.337	0	2.785	-1	7.282	-1	1712	39	0.7
2474.6	10000	38.0304	94.9695	-442	PKC	3.1	0	8.0	-1	1.2	0	0.340	0	2.925	-1	7.602	-1	1673	45	0.7
2474.5	10000	38.0304	94.9688	-444	PKC	3.1	0	8.0	-1	1.2	0	0.366	0	2.921	-1	7.445	-1	1636	50	0.7
2474.4	10000	38.0304	94.9681	-446	PKC	3.1	0	8.0	-1	1.2	0	0.417	0	3.251	-1	7.798	-1	1598	46	0.7

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2474.3	10000	38.0304	94.9674	-449	PKC	2.6	-1	6.7	-2	0.8	-2	0.392	0	3.145	0	8.023	0	1577	47	0.7
2474.2	10000	38.0304	94.9667	-454	PKC	2.6	-1	6.8	-2	0.8	-2	0.374	0	3.179	0	8.498	0	1579	52	0.7
2474.1	10000	38.0304	94.9660	-458	PKC	2.7	-1	6.6	-2	0.8	-2	0.403	1	3.279	0	8.139	0	1576	45	0.7
2474.0	10000	38.0304	94.9653	-462	PKC	2.7	-1	6.6	-2	0.8	-2	0.416	1	3.453	1	8.303	0	1556	64	0.7
2473.9	10000	38.0304	94.9646	-467	PKC	2.7	-1	6.1	-3	0.8	-2	0.435	1	3.348	1	7.693	-1	1541	47	0.7
2473.8	10000	38.0304	94.9639	-472	PKC	2.5	-1	6.4	-2	0.8	-2	0.393	1	3.336	1	8.494	0	1515	52	0.7
2473.7	10000	38.0304	94.9632	-477	PKC	2.4	-2	6.4	-2	0.7	-2	0.372	1	3.306	0	8.880	0	1488	48	0.7
2473.6	10000	38.0304	94.9625	-482	PKC	2.4	-2	6.3	-2	0.7	-2	0.378	0	3.230	0	8.533	0	1461	42	0.7
2473.5	10000	38.0304	94.9618	-487	PKC	2.4	-2	5.9	-3	0.7	-2	0.404	1	3.285	0	8.140	0	1416	48	0.7
2473.4	10000	38.0304	94.9612	-491	PKC	2.2	-2	6.0	-3	0.7	-2	0.369	0	3.182	0	8.623	0	1369	38	0.7
2473.3	10000	38.0304	94.9604	-495	PKC	2.0	-2	5.7	-3	0.7	-2	0.357	0	2.828	0	7.927	0	1301	65	0.7
2473.2	10000	38.0304	94.9597	-499	PKC	1.9	-3	5.3	-3	0.7	-3	0.349	0	2.718	0	7.793	0	1213	37	0.7
2473.1	10000	38.0304	94.9590	-502	PKC	1.8	-3	4.5	-4	0.7	-3	0.393	0	2.657	0	6.764	-1	1116	45	0.7
2473.0	10000	38.0304	94.9583	-505	PKC	1.5	-3	4.4	-4	0.6	-3	0.351	-1	2.439	-1	6.957	-1	1030	42	0.7
2472.9	10000	38.0304	94.9576	-507	PKC	1.3	-3	3.9	-4	0.6	-3	0.340	-1	2.313	-1	6.797	-1	962	55	0.7
2472.8	10000	38.0304	94.9569	-509	PKC	1.5	-3	3.8	-4	0.6	-3	0.396	0	2.623	-1	6.628	-1	944	39	0.7
2472.7	10000	38.0304	94.9563	-510	PKC	1.6	-3	3.7	-4	0.6	-3	0.434	1	2.695	0	6.217	-2	955	37	0.7
2472.6	10000	38.0304	94.9556	-511	PKC	1.7	-3	3.8	-4	0.6	-3	0.449	1	2.853	0	6.360	-2	1008	43	0.7
2472.5	10000	38.0304	94.9548	-511	PKC	1.9	-3	4.1	-4	0.6	-3	0.456	1	2.895	0	6.352	-2	1106	37	0.7
2472.4	10000	38.0304	94.9541	-511	PKC	2.2	-2	4.9	-4	0.7	-2	0.441	1	3.077	0	6.981	-1	1237	29	0.7
2472.3	10000	38.0304	94.9534	-511	PP	2.4	-2	5.5	-3	0.8	-2	0.446	1	3.207	0	7.197	-1	1354	52	0.7
2472.2	10000	38.0304	94.9527	-510	PP	2.6	-1	5.8	-3	0.8	-2	0.455	1	3.236	0	7.120	-1	1448	34	0.7
2472.1	10000	38.0304	94.9521	-509	PP	2.8	-1	6.3	-2	0.8	-2	0.439	1	3.289	0	7.498	-1	1501	49	0.7
2472.0	10000	38.0304	94.9514	-507	PP	2.8	-1	6.2	-2	0.8	-2	0.458	1	3.430	1	7.490	-1	1546	69	0.7
2471.9	10000	38.0304	94.9507	-505	PP	3.0	-1	6.4	-2	0.8	-2	0.462	1	3.638	1	7.868	0	1576	61	0.7
2471.8	10000	38.0304	94.9500	-503	PP	3.1	0	6.9	-2	0.8	-2	0.455	1	3.893	2	8.559	0	1595	42	0.7
2471.7	10000	38.0304	94.9492	-500	PP	3.2	0	6.5	-2	0.8	-2	0.498	2	4.147	2	8.327	0	1593	34	0.7
2471.6	10000	38.0304	94.9485	-496	PP	3.5	0	6.1	-2	0.7	-2	0.581	2	4.739	3	8.162	0	1594	58	0.7
2471.5	10000	38.0304	94.9478	-492	PP	3.9	0	6.2	-2	0.8	-2	0.629	3	5.408	3	8.595	0	1604	40	0.7
2471.4	10000	38.0304	94.9472	-488	PP	4.1	0	6.4	-2	0.8	-2	0.647	3	5.293	3	8.179	0	1624	42	0.7
2471.3	10000	38.0304	94.9465	-484	PKC	4.4	0	6.7	-2	0.8	-2	0.675	3	5.302	3	7.857	0	1661	46	0.7
2471.2	10000	38.0304	94.9458	-479	PKC	4.4	0	6.8	-2	0.8	-2	0.652	3	5.328	3	8.169	0	1710	43	0.7
2471.1	10000	38.0304	94.9451	-473	PKC	4.4	0	6.8	-2	0.8	-2	0.644	3	5.199	3	8.069	0	1759	41	0.7
2471.0	10000	38.0304	94.9444	-468	PKC	4.4	0	6.8	-2	0.8	-2	0.579	3	5.586	3	7.914	0	1834	46	0.7
2470.9	10000	38.0304	94.9436	-463	PKC	4.4	0	6.8	-2	0.8	-2	0.504	3	5.965	3	7.869	0	1924	56	0.7
2470.8	10000	38.0304	94.9430	-457	PKC	4.4	0	6.8	-2	0.8	-2	0.483	3	6.689	3	7.631	0	1989	46	0.7
2470.7	10000	38.0304	94.9423	-451	PKC	4.4	0	6.8	-2	0.8	-2	0.439	3	6.375	3	7.689	0	2062	60	0.7
2470.6	10000	38.0304	94.9416	-446	PKC	4.4	0	6.8	-2	0.8	-2	0.397	3	7.013	3	7.595	0	2104	48	0.7
2470.5	10000	38.0304	94.9409	-441	PKC	4.4	0	6.8	-2	0.8	-2	0.364	3	7.673	3	7.341	0	2120	58	0.7
2470.4	10000	38.0304	94.9402	-436	PKC	4.4	0	6.8	-2	0.8	-2	0.358	3	7.496	3	7.964	0	2127	48	0.7
2470.3	10000	38.0304	94.9395	-432	PKC	4.4	0	6.8	-2	0.8	-2	0.366	3	7.658	3	7.263	0	2105	50	0.7
2470.2	10000	38.0304	94.9388	-428	PKC	4.4	0	6.8	-2	0.8	-2	0.360	3	7.703	3	7.505	0	2074	46	0.7
2470.1	10000	38.0304	94.9381	-425	PKC	4.4	0	6.8	-2	0.8	-2	0.327	3	7.608	3	7.974	0	2044	45	0.7
2470.0	10000	38.0304	94.9374	-423	PKC	4.4	0	6.8	-2	0.8	-2	0.364	3	7.987	3	7.214	0	2004	52	0.7
2469.9	10000	38.0304	94.9367	-421	PKC	4.4	0	6.8	-2	0.8	-2	0.356	3	8.170	3	7.907	0	1972	38	0.7
2469.8	10000	38.0304	94.9360	-420	PKC	4.4	0	6.8	-2	0.8	-2	0.364	3	8.008	3	7.332	0	1958	45	0.7
2469.7	10000	38.0304	94.9353	-420	PKC	4.4	0	6.8	-2	0.8	-2	0.332	3	8.037	3	7.671	0	1966	52	0.7
2469.6	10000	38.0304	94.9346	-420	PKC	4.4	0	6.8	-2	0.8	-2	0.334	3	8.127	3	7.385	0	1978	38	0.7
2469.5	10000	38.0304	94.9339	-421	PKC	4.4	0	6.8	-2	0.8	-2	0.315	3	8.553	3	7.915	0	1985	48	0.7
2469.4	10000	38.0304	94.9332	-422	PKC	4.4	0	6.8	-2	0.8	-2	0.292	3	8.521	3	7.446	0	2012	45	0.7
2469.3	10000	38.0304	94.9325	-422	PKC	4.4	0	6.8	-2	0.8	-2	0.305	3	8.553	3	7.744	0	2052	56	0.7
2469.2	10000	38.0304	94.9318	-423	PKC	4.4	0	6.8	-2	0.8	-2	0.303	3	8.521	3	7.328	0	2097	39	0.7

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2469.1	10000	38.0304	94.9311	-424	PKC	3.1	0	10.3	1	1.3	1	0.301	-1	2.378	-1	7.910	0	2154	45	0.8
2469.0	10000	38.0304	94.9304	-425	PKC	3.2	0	10.3	1	1.4	2	0.309	-1	2.223	-1	7.201	-1	2203	47	0.8
2468.9	10000	38.0304	94.9297	-426	PKC	3.2	0	11.0	1	1.5	2	0.287	-1	2.128	-1	7.412	-1	2242	38	0.8
2468.8	10000	38.0304	94.9290	-427	PKC	3.1	0	10.7	1	1.5	2	0.286	-1	2.044	-1	7.152	-1	2267	57	0.8
2468.7	10000	38.0304	94.9283	-428	PKC	2.8	-1	11.0	1	1.5	2	0.256	-1	1.836	-2	7.181	-1	2266	53	0.8
2468.6	10000	38.0304	94.9276	-430	PKC	3.1	0	11.1	1	1.5	2	0.283	-1	2.153	-1	7.598	-1	2231	49	0.8
2468.5	10000	38.0304	94.9269	-432	PKC	3.1	0	10.6	1	1.4	1	0.293	-1	2.271	-1	7.737	0	2185	52	0.8
2468.4	10000	38.0304	94.9262	-433	PKC	3.0	-1	10.0	1	1.3	1	0.297	-1	2.335	-1	7.862	0	2116	50	0.8
2468.3	10000	38.0304	94.9255	-434	PKC	2.9	-1	9.5	0	1.1	0	0.303	-1	2.515	-1	8.293	0	2038	51	0.8
2468.2	10000	38.0304	94.9248	-436	PKC	3.0	-1	8.6	-1	1.0	0	0.344	0	2.824	0	8.208	0	1966	56	0.8
2468.1	10000	38.0304	94.9241	-437	PKC	3.5	0	8.2	-1	1.0	-1	0.425	1	3.555	1	8.359	0	1917	44	0.8
2468.0	10000	38.0304	94.9234	-437	PKC	3.7	1	7.4	-1	0.9	-1	0.491	2	3.957	1	8.062	0	1875	46	0.8
2467.9	10000	38.0304	94.9227	-439	PKC	3.5	0	6.6	-2	0.9	-1	0.523	2	3.974	1	7.601	-1	1833	44	0.9
2467.8	10000	38.0304	94.9220	-440	PKC	3.5	0	6.8	-2	0.9	-1	0.496	2	3.837	1	7.738	0	1804	40	0.9
2467.7	10000	38.0304	94.9213	-442	PKC	3.5	0	6.5	-2	0.9	-1	0.536	2	3.915	1	7.308	-1	1784	52	0.9
2467.6	10000	38.0304	94.9206	-444	PKC	3.5	0	6.0	-3	0.9	-1	0.595	3	3.882	1	6.520	-1	1762	44	0.9
2467.5	10000	38.0304	94.9199	-447	PKC	3.5	0	6.4	-2	1.0	-1	0.543	2	3.664	1	6.743	-1	1758	44	0.9
2467.4	10000	38.0304	94.9192	-448	PKC	3.0	0	6.5	-2	1.0	-1	0.468	1	3.098	0	6.622	-1	1735	45	0.9
2467.3	10000	38.0304	94.9185	-450	PKC	3.0	-1	6.8	-2	1.0	-1	0.439	1	3.099	0	7.063	-1	1715	50	0.9
2467.2	10000	38.0304	94.9178	-452	PKC	3.0	0	7.4	-2	1.0	-1	0.407	1	3.164	0	7.776	0	1713	42	0.9
2467.1	10000	38.0304	94.9171	-454	PKC	2.8	-1	7.3	-2	1.0	-1	0.413	1	3.138	0	7.590	-1	1706	45	0.9
2467.0	10000	38.0304	94.9164	-455	PKC	2.8	-1	7.1	-2	0.9	-1	0.395	1	3.010	0	7.613	-1	1708	51	0.9
2466.9	10000	38.0304	94.9157	-457	PKC	2.8	-1	7.6	-1	0.9	-1	0.365	0	3.052	0	8.359	0	1693	52	0.9
2466.8	10000	38.0304	94.9150	-459	PKC	2.6	-1	7.3	-2	0.9	-1	0.360	0	2.964	0	8.226	0	1657	44	0.9
2466.7	10000	38.0304	94.9143	-461	PKC	2.6	-1	7.2	-2	0.8	-2	0.365	0	3.089	0	8.467	0	1634	37	0.9
2466.6	10000	38.0304	94.9136	-463	PKC	2.5	-1	7.1	-2	0.9	-2	0.359	0	2.971	0	8.277	0	1614	47	0.9
2466.5	10000	38.0304	94.9129	-465	PKC	2.5	-1	6.4	-2	0.9	-2	0.385	0	2.840	-1	7.380	-1	1611	38	0.9
2466.4	10000	38.0304	94.9122	-467	PP	2.5	-1	6.6	-2	0.9	-2	0.384	0	2.979	0	7.749	0	1599	47	0.9
2466.3	10000	38.0304	94.9115	-468	PP	2.8	-1	6.7	-2	0.9	-1	0.415	0	3.158	0	7.602	-1	1614	53	1.0
2466.2	10000	38.0304	94.9108	-470	PP	2.8	-1	6.7	-2	0.9	-1	0.411	0	3.010	0	7.323	-1	1656	46	1.0
2466.1	10000	38.0304	94.9101	-471	PP	2.8	-1	7.1	-2	1.0	-1	0.401	0	2.880	-1	7.181	-1	1728	51	1.0
2466.0	10000	38.0304	94.9094	-473	PP	2.9	-1	7.3	-2	1.0	-1	0.380	0	2.651	-1	6.981	-1	1789	40	1.0
2465.9	10000	38.0304	94.9087	-474	PP	2.9	-1	7.9	-2	1.1	-1	0.363	0	2.598	-1	7.157	-1	1871	49	1.0
2465.8	10000	38.0304	94.9080	-475	PP	2.9	-1	8.5	-1	1.1	-1	0.373	0	2.839	-1	7.617	0	1928	32	1.0
2465.7	10000	38.0304	94.9073	-476	PP	2.9	-1	8.8	-1	1.1	-1	0.392	0	2.687	-1	7.857	-1	1979	45	1.0
2465.6	10000	38.0304	94.9066	-478	PP	3.0	-1	8.8	-1	1.1	-1	0.354	0	2.583	-1	7.302	-1	2006	45	1.0
2465.5	10000	38.0304	94.9059	-480	PP	3.1	-1	8.9	-1	1.1	-1	0.399	0	2.776	-1	6.959	-1	2041	35	1.0
2465.4	10000	38.0304	94.9052	-481	PP	3.2	-1	9.2	-1	1.1	-1	0.443	0	3.017	-1	6.807	-1	2060	37	1.0
2465.3	10000	38.0304	94.9045	-482	PP	3.3	-1	9.5	0	1.1	-1	0.482	0	3.325	-1	6.894	-1	2090	43	1.0
2465.2	10000	38.0304	94.9038	-483	PP	3.6	0	9.5	0	1.1	-1	0.530	0	3.488	-1	6.583	-2	2088	39	1.0
2465.1	10000	38.0304	94.9031	-484	PP	4.0	0	9.6	0	1.1	-1	0.524	0	3.163	-1	6.037	-1	2089	50	1.0
2465.0	10000	38.0304	94.9024	-486	PP	4.0	0	9.7	0	1.1	-1	0.477	0	3.055	-1	6.399	-1	2071	55	1.0
2464.9	10000	38.0304	94.9017	-487	PP	4.3	0	9.5	0	1.1	-1	0.459	0	2.895	-1	6.303	-1	2053	48	1.0
2464.8	10000	38.0304	94.9010	-488	PP	4.3	0	9.2	0	1.1	-1	0.406	0	2.605	-1	6.423	-1	2018	44	1.0
2464.7	10000	38.0304	94.9003	-490	PP	4.3	0	9.2	0	1.1	-1	0.373	0	2.537	-1	6.795	-1	1972	45	1.0
2464.6	10000	38.0304	94.8996	-492	PP	4.3	0	9.3	0	1.1	-1	0.339	0	2.354	-1	6.950	-1	1928	46	1.0
2464.5	10000	38.0304	94.8989	-494	PP	4.3	0	9.3	0	1.1	-1	0.325	0	2.258	-1	7.042	-1	1903	45	1.0
2464.4	10000	38.0304	94.8982	-496	PP	4.3	0	9.2	0	1.1	-1	0.288	0	2.225	-1	7.696	-1	1898	47	1.0
2464.3	10000	38.0304	94.8975	-498	PP	4.3	0	9.2	0	1.1	-1	0.288	0	2.228	-1	7.810	-1	1933	46	1.0
2464.2	10000	38.0304	94.8968	-500	PP	4.3	0	9.2	0	1.1	-1	0.288	0	2.266	-1	7.926	-1	1945	39	1.0
2464.1	10000	38.0304	94.8961	-503	PP	4.3	0	9.2	0	1.1	-1	0.287	0	2.325	-1	8.092	-1	1954	46	1.0
2464.0	10000	38.0304	94.8954	-505	PP	4.3	0	9.2	0	1.1	-1	0.285	0	2.298	-1	8.059	-1	1972	48	1.0

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2463.9	10000	38.0303	94.8947	-507	PP	2.7	-1	9.6	0	1.2	0	0.283	-1	2.305	-1	8.148	0	1979	49	1.0
2463.8	10000	38.0304	94.8940	-511	PP	2.5	-2	10.0	1	1.1	0	0.250	-1	2.242	-1	8.950	1	1965	52	1.0
2463.7	10000	38.0303	94.8933	-514	PP	2.4	-2	9.9	1	1.1	0	0.239	-1	2.172	-1	9.079	1	1934	36	1.0
2463.6	10000	38.0303	94.8926	-517	PP	2.3	-2	9.2	0	1.0	0	0.246	-1	2.182	-1	8.873	0	1883	54	1.0
2463.5	10000	38.0304	94.8919	-520	PP	2.3	-2	9.1	0	1.0	0	0.248	-1	2.186	-1	8.811	0	1834	56	1.0
2463.4	10000	38.0303	94.8912	-523	PP	2.1	-2	9.1	0	1.0	-1	0.232	-2	2.137	-1	9.225	1	1791	66	1.0
2463.3	10000	38.0303	94.8905	-526	PP	2.0	-3	9.0	0	1.0	-1	0.222	-2	2.066	-1	9.289	1	1762	42	1.0
2463.2	10000	38.0303	94.8898	-529	PP	2.0	-3	9.4	0	0.9	-1	0.208	-2	2.083	-1	10.006	1	1737	48	1.0
2463.1	10000	38.0303	94.8891	-532	PP	2.0	-3	8.9	0	1.0	-1	0.222	-2	1.994	-2	8.979	1	1740	49	1.0
2463.0	10000	38.0303	94.8884	-534	PP	2.1	-2	8.9	0	1.0	-1	0.235	-2	2.136	-1	9.092	1	1752	35	0.9
2462.9	10000	38.0303	94.8877	-537	PP	2.2	-2	9.4	0	1.0	-1	0.231	-2	2.263	-1	9.789	1	1758	52	0.9
2462.8	10000	38.0303	94.8870	-539	PP	2.2	-2	9.9	1	1.0	-1	0.218	-2	2.215	-1	10.167	1	1790	46	0.9
2462.7	10000	38.0303	94.8863	-542	PP	2.1	-2	10.1	1	1.0	-1	0.217	-2	2.196	-1	10.112	1	1833	33	0.9
2462.6	10000	38.0303	94.8856	-545	PP	2.3	-2	10.2	1	1.0	-1	0.211	-2	2.130	-1	10.097	1	1870	48	0.9
2462.5	10000	38.0303	94.8849	-548	PP	2.4	-2	10.1	1	1.0	0	0.231	-2	2.229	-1	9.649	1	1925	39	0.9
2462.4	10000	38.0303	94.8842	-551	PP	2.4	-2	10.3	1	1.1	0	0.235	-2	2.276	-1	9.704	1	1945	39	0.9
2462.3	10000	38.0303	94.8835	-554	PP	2.4	-2	10.4	1	1.1	0	0.227	-2	2.181	-1	9.610	1	1968	45	0.9
2462.2	10000	38.0303	94.8828	-558	PP	2.4	-2	11.0	2	1.1	0	0.215	-2	2.179	-1	10.156	1	2010	44	0.9
2462.1	10000	38.0303	94.8821	-562	PP	2.5	-2	11.1	2	1.0	0	0.226	-2	2.394	-1	10.596	2	2043	44	0.9
2462.0	10000	38.0303	94.8814	-566	PP	2.8	-1	10.7	1	1.0	0	0.263	-1	2.721	0	10.328	2	2083	42	0.9
2461.9	10000	38.0303	94.8807	-571	PP	2.9	-1	10.9	1	1.1	0	0.268	-1	2.753	0	10.277	2	2086	45	0.9
2461.8	10000	38.0303	94.8800	-575	PP	2.8	-1	10.9	1	1.1	0	0.253	-1	2.588	-1	10.236	1	2099	50	0.9
2461.7	10000	38.0303	94.8793	-580	PP	3.0	-1	11.0	2	1.1	0	0.270	-1	2.766	0	10.255	2	2124	44	0.9
2461.6	10000	38.0303	94.8786	-586	PP	3.0	-1	10.9	1	1.1	0	0.272	-1	2.723	0	9.994	1	2114	34	0.8
2461.5	10000	38.0303	94.8779	-591	PP	2.8	-1	10.5	1	1.1	0	0.268	-1	2.610	-1	9.748	1	2085	47	0.8
2461.4	10000	38.0303	94.8772	-597	PP	2.8	-1	10.3	1	1.1	0	0.276	-1	2.631	-1	9.542	1	2045	42	0.8
2461.3	10000	38.0303	94.8765	-602	PP	2.9	-1	10.3	1	1.1	0	0.279	-1	2.638	-1	9.457	1	2003	58	0.8
2461.2	10000	38.0303	94.8758	-608	PP	3.0	-1	10.2	1	1.1	0	0.295	-1	2.762	0	9.359	1	1990	47	0.8
2461.1	10000	38.0303	94.8751	-614	PP	3.1	0	10.1	1	1.1	0	0.307	-1	2.924	0	9.526	1	1949	36	0.8
2461.0	10000	38.0303	94.8744	-620	PP	2.8	-1	10.0	1	1.1	0	0.278	-1	2.663	-1	9.574	1	1908	50	0.8
2460.9	10000	38.0303	94.8736	-626	PP	2.8	-1	9.8	1	1.1	0	0.281	-1	2.756	-1	9.814	1	1886	55	0.8
2460.8	10000	38.0303	94.8729	-631	PP	3.0	-1	9.8	1	1.1	0	0.311	-1	2.943	-1	9.460	1	1892	53	0.8
2460.7	10000	38.0303	94.8722	-636	PP	2.7	-1	9.7	1	1.1	0	0.310	-1	2.869	-1	9.246	1	1890	40	0.8
2460.6	10000	38.0303	94.8715	-639	PP	2.5	-2	9.7	1	1.0	0	0.275	-1	2.650	-1	9.650	1	1871	52	0.7
2460.5	10000	38.0303	94.8708	-644	PP	2.5	-2	9.7	1	1.0	0	0.257	-1	2.469	-1	9.613	1	1865	53	0.7
2460.4	10000	38.0303	94.8701	-647	PP	2.3	-2	9.4	1	1.0	0	0.242	-1	2.213	-1	9.165	1	1872	47	0.7
2460.3	10000	38.0302	94.8694	-650	PP	2.4	-2	9.7	1	1.1	0	0.250	-1	2.386	-1	9.527	1	1881	47	0.7
2460.2	10000	38.0302	94.8687	-652	PP	2.5	-2	9.8	1	1.1	0	0.260	-1	2.403	-1	9.250	1	1892	45	0.7
2460.1	10000	38.0302	94.8680	-656	PP	2.5	-2	9.5	1	1.1	0	0.262	-1	2.332	-1	9.908	1	1895	43	0.7
2460.0	10000	38.0302	94.8672	-659	PP	2.6	-1	9.5	1	1.1	0	0.283	-1	2.415	-1	8.539	0	1908	42	0.7
2459.9	10000	38.0302	94.8665	-661	PP	2.7	-1	9.9	1	1.1	0	0.286	-1	2.347	-1	9.193	1	1922	48	0.7
2459.8	10000	38.0302	94.8658	-664	PP	2.7	-1	9.9	1	1.1	0	0.289	-1	2.432	-1	9.418	1	1893	47	0.7
2459.7	10000	38.0302	94.8651	-667	PP	2.9	-1	9.9	1	1.1	0	0.306	-1	2.693	-1	8.790	0	1886	38	0.7
2459.6	10000	38.0302	94.8644	-669	PP	2.9	-1	9.9	1	1.1	0	0.309	-1	2.698	-1	8.735	0	1866	34	0.6
2459.5	10000	38.0302	94.8637	-672	PP	2.9	-1	9.9	1	1.1	0	0.302	-1	2.644	-1	8.759	0	1848	44	0.6
2459.4	10000	38.0302	94.8630	-674	PP	2.7	-1	9.9	1	1.1	0	0.280	-1	2.547	-1	9.091	1	1830	43	0.6
2459.3	10000	38.0301	94.8623	-677	PP	2.5	-2	9.9	1	1.1	0	0.247	-1	2.393	-1	9.673	1	1803	52	0.6
2459.2	10000	38.0301	94.8615	-681	PP	2.6	-1	9.9	1	1.1	0	0.254	-1	2.711	-1	9.691	1	1803	38	0.6
2459.1	10000	38.0301	94.8608	-683	PP	2.7	-1	9.9	1	1.1	0	0.259	-1	2.689	-1	10.384	1	1825	43	0.6
2459.0	10000	38.0301	94.8601	-686	PP	2.5	-2	9.9	1	1.1	0	0.246	-1	2.479	-1	10.072	1	1821	39	0.6
2458.9	10000	38.0301	94.8594	-689	PM	2.5	-2	9.9	1	1.1	0	0.249	-2	2.536	-1	10.200	1	1832	57	0.6
2458.8	10000	38.0301	94.8587	-691	PM	2.7	-1	9.7	1	1.0	0	0.272	-1	2.663	-1	9.796	1	1846	49	0.6

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CFS	COS CPS	EUAIR PPM
2458.7	10000	38.0301	94.8580	-695	PM	3.0	-1	9.6	0	1.0	0	0.309	-1	2.954	0	9.565	1	1853	49	0.6
2458.6	10000	38.0301	94.8573	-698	PM	3.2	0	9.9	0	1.0	0	0.318	-1	3.063	0	9.631	1	1864	57	0.5
2458.5	10000	38.0301	94.8566	-701	PM	3.3	0	9.2	0	1.0	0	0.362	0	3.196	0	8.824	1	1851	42	0.5
2458.4	10000	38.0301	94.8559	-704	PM	3.5	0	9.1	0	1.0	0	0.383	0	3.373	0	8.817	0	1844	46	0.5
2458.3	10000	38.0301	94.8551	-708	PM	3.5	0	9.2	0	1.0	-1	0.382	0	3.511	1	9.192	0	1851	46	0.5
2458.2	10000	38.0301	94.8544	-711	PM	3.5	0	9.0	0	1.0	0	0.386	1	3.480	1	9.013	0	1861	53	0.5
2458.1	10000	38.0301	94.8537	-714	PM	3.3	0	9.2	0	1.0	-1	0.357	0	3.416	0	9.558	1	1862	37	0.5
2458.0	10000	38.0300	94.8530	-718	PM	3.2	0	9.2	0	1.0	-1	0.344	0	3.305	0	9.621	1	1866	49	0.5
2457.9	10000	38.0300	94.8523	-721	PM	3.3	0	9.0	0	0.9	-1	0.368	1	3.523	1	9.580	1	1880	48	0.5
2457.8	10000	38.0300	94.8516	-725	PM	3.1	0	9.8	0	0.9	-1	0.318	-1	3.318	0	10.440	1	1892	59	0.5
2457.7	10000	38.0300	94.8509	-729	PM	3.1	0	9.8	0	0.9	-1	0.316	-1	3.329	0	10.521	1	1896	46	0.5
2457.6	10000	38.0300	94.8501	-732	PM	3.0	-1	9.8	0	0.9	-1	0.309	-1	3.213	0	10.386	1	1883	49	0.5
2457.5	10000	38.0300	94.8494	-736	PM	3.1	0	9.6	0	0.9	-1	0.324	0	3.305	0	10.209	1	1864	37	0.4
2457.4	10000	38.0300	94.8487	-739	PM	3.2	0	9.4	0	0.9	-1	0.341	0	3.391	0	9.959	1	1846	36	0.4
2457.3	10000	38.0300	94.8480	-742	PM	3.2	0	9.5	0	0.9	-1	0.341	1	3.450	0	10.126	1	1836	48	0.4
2457.2	10000	38.0300	94.8473	-747	PM	3.1	0	9.2	0	1.0	-1	0.335	0	3.220	0	9.598	1	1820	46	0.4
2457.1	10000	38.0300	94.8466	-749	PM	3.1	0	8.5	-1	1.0	-1	0.365	0	3.147	0	8.612	0	1814	56	0.4
2457.0	10000	38.0299	94.8459	-753	PM	2.9	-1	8.4	-1	1.0	-1	0.345	0	2.956	0	8.576	0	1821	40	0.4
2456.9	10000	38.0299	94.8452	-755	PM	3.1	0	8.1	-1	1.0	-1	0.380	0	3.071	0	8.080	-1	1829	43	0.4
2456.8	10000	38.0299	94.8445	-758	PM	3.0	-1	8.6	-1	1.0	-1	0.350	0	3.127	0	8.944	0	1839	59	0.4
2456.7	10000	38.0299	94.8437	-761	PM	2.9	-1	8.7	-1	1.0	-1	0.339	0	3.068	0	9.056	0	1863	50	0.4
2456.6	10000	38.0299	94.8430	-763	PM	2.8	-1	8.8	-1	1.0	-1	0.323	0	2.842	0	8.794	0	1875	32	0.4
2456.5	10000	38.0299	94.8423	-766	PM	2.9	-1	8.8	0	1.0	-1	0.322	0	2.897	0	9.000	0	1894	53	0.4
2456.4	10000	38.0299	94.8416	-768	PM	2.8	-1	9.4	0	1.0	-1	0.301	-1	2.843	0	9.456	0	1905	40	0.4
2456.3	10000	38.0299	94.8409	-770	PM	2.8	-1	9.6	0	1.0	0	0.297	-1	2.806	0	9.454	0	1910	46	0.4
2456.2	10000	38.0299	94.8402	-773	PM	2.7	-1	9.9	0	1.0	0	0.281	-1	2.748	-1	9.767	1	1917	53	0.4
2456.1	10000	38.0299	94.8395	-775	PM	2.7	-1	9.5	0	1.1	0	0.289	-1	2.494	-1	8.636	0	1928	55	0.4
2456.0	10000	38.0298	94.8387	-777	PM	2.7	-1	9.6	0	1.1	0	0.280	-1	2.443	-1	8.720	0	1923	47	0.4
2455.9	10000	38.0298	94.8380	-779	PM	2.7	-1	9.8	0	1.1	0	0.277	-1	2.590	-1	9.352	0	1923	40	0.4
2455.8	10000	38.0298	94.8373	-781	PM	2.7	-1	9.8	0	1.1	0	0.276	-1	2.551	-1	9.242	0	1920	45	0.4
2455.7	10000	38.0298	94.8366	-783	PM	2.8	-1	9.8	0	1.1	0	0.277	-1	2.580	-1	9.326	0	1907	51	0.4
2455.6	10000	38.0298	94.8359	-785	PM	2.8	-1	9.8	0	1.1	0	0.290	-1	2.740	-1	9.450	0	1895	41	0.4
2455.5	10000	38.0298	94.8352	-787	PM	2.8	-1	9.8	0	1.1	0	0.320	-1	3.164	-1	9.875	0	1895	34	0.4
2455.4	10000	38.0298	94.8345	-789	PM	2.8	-1	9.8	0	1.1	0	0.334	-1	3.355	0	10.054	1	1894	37	0.4
2455.3	10000	38.0298	94.8338	-790	PM	2.8	-1	9.8	0	1.1	0	0.373	0	3.656	0	9.800	1	1901	42	0.4
2455.2	10000	38.0298	94.8331	-793	PM	2.8	-1	9.8	0	1.1	0	0.406	0	3.653	0	9.996	1	1894	50	0.4
2455.1	10000	38.0298	94.8323	-794	PM	2.8	-1	9.8	0	1.1	0	0.427	0	3.716	0	9.703	1	1891	44	0.4
2455.0	10000	38.0298	94.8316	-797	PM	2.8	-1	9.8	0	1.1	0	0.451	0	3.883	0	9.602	1	1886	42	0.4
2454.9	10000	38.0297	94.8309	-799	PM	2.7	-2	9.8	0	1.1	0	0.485	0	3.633	0	9.486	1	1886	49	0.4
2454.8	10000	38.0297	94.8302	-800	PM	2.7	-2	9.8	0	1.1	0	0.448	0	3.237	-1	7.223	1	1852	42	0.4
2454.7	10000	38.0297	94.8295	-802	PM	2.7	-2	9.8	0	1.1	0	0.476	0	3.503	-1	7.356	1	1836	48	0.4
2454.6	10000	38.0297	94.8288	-803	PM	2.7	-2	9.8	0	1.1	0	0.436	0	3.136	-1	7.191	1	1812	65	0.4
2454.5	10000	38.0297	94.8281	-806	PM	2.7	-2	9.8	0	1.1	0	0.389	0	2.815	-1	7.228	1	1809	41	0.4
2454.4	10000	38.0297	94.8274	-807	PM	2.7	-2	9.8	0	1.1	0	0.359	0	2.618	-1	7.293	1	1796	45	0.4
2454.3	10000	38.0297	94.8266	-809	PM	2.7	-2	9.8	0	1.1	0	0.365	0	2.551	-1	6.991	1	1780	47	0.4
2454.2	10000	38.0297	94.8259	-810	PM	2.7	-2	9.8	0	1.1	0	0.339	0	2.619	-1	7.729	1	1773	36	0.4
2454.1	10000	38.0297	94.8252	-811	PM	2.7	-2	9.8	0	1.1	0	0.337	0	2.503	-1	7.439	1	1779	50	0.4
2454.0	10000	38.0297	94.8245	-812	PM	2.7	-2	9.8	0	1.1	0	0.331	0	2.293	-1	7.208	1	1766	48	0.4
2453.9	10000	38.0296	94.8238	-814	PM	2.7	-2	9.8	0	1.1	0	0.337	0	2.248	-1	7.184	1	1760	52	0.4
2453.8	10000	38.0296	94.8231	-815	PM	2.7	-2	9.8	0	1.1	0	0.332	0	2.323	-1	6.885	0	1743	42	0.4
2453.7	10000	38.0296	94.8224	-815	PM	2.7	-2	9.8	0	1.1	0	0.308	0	2.171	-2	6.614	-2	1733	60	0.4
2453.6	10000	38.0296	94.8217	-816	PM	2.4	-2	9.7	0	1.2	0	0.247	-1	2.076	-2	6.734	-2	1751	59	0.4

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FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2453.5	10000	38.0296	94.8210	-817	PM	2.4	-2	7.8	-2	1.1	0	0.309	-1	2.129	-2	6.881	-1	1751	40	0.4
2453.4	10000	38.0296	94.8202	-817	PM	2.5	-1	7.6	-2	1.1	0	0.329	0	2.224	-1	6.762	-2	1759	39	0.4
2453.3	10000	38.0296	94.8195	-818	PM	2.5	-1	7.8	-2	1.2	1	0.324	0	2.179	-1	6.716	-2	1779	48	0.4
2453.2	10000	38.0296	94.8188	-818	PM	2.5	-2	7.6	-2	1.2	1	0.328	0	2.128	-2	6.484	-2	1798	47	0.4
2453.1	10000	38.0296	94.8181	-818	PM	2.6	-1	8.0	-1	1.1	0	0.330	0	2.381	-1	7.213	-1	1810	46	0.4
2453.0	10000	38.0296	94.8174	-817	PM	2.8	-1	8.2	-1	1.1	0	0.340	0	2.556	-1	7.508	-1	1838	45	0.4
2452.9	10000	38.0295	94.8167	-817	PM	2.6	-1	7.9	-1	1.1	0	0.327	0	2.388	-1	7.299	-1	1839	46	0.4
2452.8	10000	38.0295	94.8160	-817	PM	2.4	-2	8.2	-1	1.1	0	0.297	-1	2.170	-1	7.313	-1	1831	46	0.4
2452.7	10000	38.0295	94.8152	-817	PM	2.3	-2	8.4	-1	1.1	0	0.268	-1	2.062	-2	7.699	-1	1828	49	0.4
2452.6	10000	38.0295	94.8145	-817	PM	2.1	-2	8.6	-1	1.1	0	0.246	-2	1.978	-2	8.027	-1	1822	46	0.4
2452.5	10000	38.0295	94.8138	-817	PM	2.4	-2	9.0	0	1.1	0	0.269	-1	2.281	-1	8.483	0	1831	58	0.4
2452.4	10000	38.0295	94.8131	-817	PM	2.4	-2	8.8	-1	1.1	0	0.271	-1	2.186	-1	8.068	-1	1853	49	0.4
2452.3	10000	38.0295	94.8124	-817	PM	2.5	-1	8.8	-1	1.1	0	0.289	-1	2.308	-1	7.980	-1	1853	45	0.5
2452.2	10000	38.0295	94.8117	-817	PM	2.8	-1	9.1	0	1.1	0	0.303	-1	2.555	-1	8.438	0	1868	55	0.5
2452.1	10000	38.0295	94.8110	-818	PM	3.1	0	8.8	-1	1.0	0	0.347	0	2.996	0	8.636	0	1887	42	0.5
2452.0	10000	38.0295	94.8103	-819	PM	3.4	0	8.9	-1	1.0	-1	0.382	0	3.438	1	8.998	0	1892	39	0.5
2451.9	10000	38.0295	94.8096	-820	PM	3.4	0	8.6	-1	1.0	-1	0.391	1	3.444	1	8.804	0	1886	57	0.5
2451.8	10000	38.0294	94.8088	-821	PM	3.1	0	8.8	-1	0.9	-1	0.355	0	3.295	0	9.287	0	1869	44	0.5
2451.7	10000	38.0294	94.8081	-823	PM	3.0	-1	8.8	-1	1.0	-1	0.341	0	3.150	0	9.249	0	1833	38	0.5
2451.6	10000	38.0294	94.8074	-825	PM	2.8	-1	9.0	0	0.9	-1	0.313	-1	3.108	0	9.918	1	1817	52	0.5
2451.5	10000	38.0294	94.8067	-826	PM	2.8	-1	9.1	0	1.0	-1	0.306	-1	2.893	0	9.454	0	1800	50	0.5
2451.4	10000	38.0294	94.8060	-829	PM	2.7	-1	8.8	-1	1.0	-1	0.309	-1	2.728	-1	8.832	0	1804	48	0.5
2451.3	10000	38.0294	94.8053	-832	PM	2.6	-1	9.0	0	1.1	0	0.293	-1	2.480	-1	8.469	0	1824	56	0.5
2451.2	10000	38.0294	94.8046	-834	PM	2.7	-1	9.4	0	1.1	0	0.287	-1	2.501	-1	8.720	0	1849	46	0.5
2451.1	10000	38.0294	94.8038	-836	PM	3.0	-1	9.2	0	1.1	0	0.321	-1	2.747	-1	8.545	0	1861	48	0.5
2451.0	10000	38.0294	94.8031	-838	PM	3.3	-1	9.5	0	1.1	0	0.328	0	2.880	0	8.768	0	1875	38	0.5
2450.9	10000	38.0294	94.8024	-840	PM	3.3	-1	9.5	0	1.1	0	0.328	0	2.837	0	8.736	0	1880	38	0.5
2450.8	10000	38.0293	94.8017	-843	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2450.7	10000	38.0293	94.8010	-845	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2450.6	10000	38.0293	94.8003	-847	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2450.5	10000	38.0293	94.7996	-847	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2450.4	10000	38.0293	94.7989	-849	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2450.3	10000	38.0293	94.7982	-850	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2450.2	10000	38.0293	94.7974	-852	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2450.1	10000	38.0293	94.7967	-853	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2450.0	10000	38.0293	94.7960	-853	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2449.9	10000	38.0293	94.7953	-854	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2449.8	10000	38.0293	94.7946	-854	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2449.7	10000	38.0292	94.7939	-854	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2449.6	10000	38.0292	94.7932	-855	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2449.5	10000	38.0292	94.7925	-855	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2449.4	10000	38.0292	94.7917	-855	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2449.3	10000	38.0292	94.7910	-855	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2449.2	10000	38.0292	94.7903	-854	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2449.1	10000	38.0292	94.7896	-854	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2449.0	10000	38.0292	94.7889	-853	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2448.9	10000	38.0292	94.7882	-852	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2448.8	10000	38.0292	94.7875	-851	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2448.7	10000	38.0291	94.7868	-849	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2448.6	10000	38.0291	94.7861	-849	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2448.5	10000	38.0291	94.7853	-849	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5
2448.4	10000	38.0291	94.7846	-849	PM	3.2	-1	9.5	0	1.1	0	0.329	0	2.837	0	8.736	0	1880	38	0.5

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2448.3	10000	38.0291	94.7839	-847	PM	2.9	-1	9.8	0	1.0	-1	0.299	-1	2.931	0	9.809	1	1829	49	0.6
2448.2	10000	38.0291	94.7832	-846	PM	2.9	-1	9.8	0	1.0	0	0.299	-1	2.910	0	9.732	1	1823	31	0.6
2448.1	10000	38.0291	94.7825	-844	PM	3.0	-1	9.8	0	1.0	0	0.302	-1	2.834	0	9.379	0	1843	53	0.7
2448.0	10000	38.0291	94.7818	-843	PM	3.0	-1	10.4	1	1.0	0	0.285	-1	2.851	0	10.000	1	1856	48	0.7
2447.9	10000	38.0291	94.7811	-841	PM	3.0	-1	10.4	1	1.1	0	0.285	-1	2.696	-1	9.472	0	1867	54	0.7
2447.8	10000	38.0291	94.7803	-840	PM	2.8	-1	10.0	1	1.1	0	0.281	-1	2.527	-1	9.005	0	1894	51	0.7
2447.7	10000	38.0291	94.7796	-838	PM	3.0	-1	9.5	0	1.1	0	0.310	-1	2.716	-1	8.751	0	1891	40	0.7
2447.6	10000	38.0290	94.7789	-836	PM	3.1	0	8.9	0	1.1	0	0.351	0	2.874	0	8.180	0	1883	52	0.7
2447.5	10000	38.0290	94.7782	-834	PM	3.1	0	8.8	-1	1.1	0	0.356	0	2.823	0	7.930	-1	1900	52	0.7
2447.4	10000	38.0290	94.7775	-831	PM	3.2	0	8.7	-1	1.1	0	0.371	0	2.861	0	7.718	-1	1893	51	0.7
2447.3	10000	38.0290	94.7768	-829	PM	3.3	0	8.1	-1	1.1	0	0.402	1	2.929	0	7.279	-1	1896	49	0.7
2447.2	10000	38.0290	94.7761	-827	PM	3.3	0	8.2	-1	1.1	0	0.407	1	3.096	0	7.612	-1	1901	45	0.7
2447.1	10000	38.0290	94.7754	-825	PM	3.3	0	8.5	-1	1.1	0	0.392	1	3.064	0	7.819	-1	1905	49	0.7
2447.0	10000	38.0290	94.7747	-822	PM	3.3	0	8.9	-1	1.1	0	0.378	0	3.085	0	8.166	-1	1932	42	0.7
2446.9	10000	38.0290	94.7739	-819	PM	3.2	0	9.0	0	1.0	0	0.354	0	3.042	0	8.598	0	1955	55	0.7
2446.8	10000	38.0290	94.7732	-816	PM	3.1	0	9.4	0	1.0	0	0.328	0	2.951	0	9.004	0	1960	49	0.7
2446.7	10000	38.0290	94.7725	-813	PM	3.0	0	9.4	0	1.0	0	0.323	0	2.950	0	9.131	0	1972	61	0.7
2446.6	10000	38.0290	94.7718	-809	PM	3.1	0	9.8	0	1.0	0	0.320	-1	3.081	0	9.614	1	1961	47	0.7
2446.5	10000	38.0289	94.7711	-806	PM	3.1	0	9.7	0	1.0	0	0.321	-1	2.976	0	9.280	0	1955	46	0.7
2446.4	10000	38.0289	94.7704	-803	PM	3.1	0	9.8	0	1.0	0	0.318	-1	3.000	0	9.435	0	1948	56	0.7
2446.3	10000	38.0289	94.7697	-799	PM	2.8	-1	10.0	1	1.1	0	0.285	-1	2.635	-1	9.244	0	1937	54	0.7
2446.2	10000	38.0289	94.7690	-796	PM	2.6	-1	10.5	1	1.1	0	0.248	-2	2.388	-1	9.647	1	1932	52	0.7
2446.1	10000	38.0289	94.7682	-793	PM	2.8	-1	10.5	1	1.1	0	0.265	-1	2.656	-1	10.021	1	1931	46	0.7
2446.0	10000	38.0289	94.7675	-789	PM	2.9	-1	10.3	1	1.0	0	0.279	-1	2.809	0	10.065	1	1926	40	0.7
2445.9	10000	38.0289	94.7668	-785	PM	2.7	-1	10.3	1	1.0	0	0.261	-1	2.590	-1	9.911	1	1942	44	0.7
2445.8	10000	38.0289	94.7661	-781	PM	2.8	-1	10.3	1	1.0	0	0.268	-1	2.677	-1	10.008	1	1967	54	0.7
2445.7	10000	38.0289	94.7654	-777	PM	2.8	-1	10.2	1	1.0	0	0.271	-1	2.674	-1	9.856	1	1971	45	0.7
2445.6	10000	38.0288	94.7647	-773	PM	2.8	-1	9.9	1	1.0	0	0.286	-1	2.766	-1	9.680	1	1954	59	0.7
2445.5	10000	38.0288	94.7640	-769	PM	2.9	-1	9.8	1	1.0	0	0.296	-1	3.005	-1	9.983	1	1923	34	0.7
2445.4	10000	38.0288	94.7633	-765	PM	2.8	-1	9.8	1	1.1	0	0.286	-1	2.843	-1	9.395	1	1901	42	0.7
2445.3	10000	38.0289	94.7625	-759	PM	2.7	-1	9.6	1	1.1	0	0.281	-1	2.564	-1	8.161	0	1875	49	0.7
2445.2	10000	38.0289	94.7618	-757	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.577	-1	8.142	-1	1832	44	0.6
2445.1	10000	38.0289	94.7610	-754	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.678	-1	8.067	-1	1793	44	0.6
2445.0	10000	38.0290	94.7603	-752	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.682	-1	8.220	0	1760	50	0.6
2444.9	10000	38.0290	94.7595	-749	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.762	-1	8.328	0	1739	44	0.6
2444.8	10000	38.0290	94.7588	-746	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.801	-1	8.477	0	1739	55	0.6
2444.7	10000	38.0290	94.7580	-744	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.695	-1	8.359	0	1715	44	0.6
2444.6	10000	38.0291	94.7572	-741	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.848	-1	8.985	0	1733	41	0.6
2444.5	10000	38.0291	94.7565	-739	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.625	-1	8.835	0	1757	42	0.6
2444.4	10000	38.0291	94.7558	-736	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.283	-1	8.599	0	1783	42	0.6
2444.3	10000	38.0292	94.7550	-733	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.244	-1	8.445	0	1817	51	0.6
2444.2	10000	38.0292	94.7542	-730	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.228	-1	8.049	0	1843	54	0.6
2444.1	10000	38.0292	94.7535	-727	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.165	-1	8.004	0	1871	45	0.6
2444.0	10000	38.0292	94.7527	-724	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.208	-1	8.086	0	1906	47	0.6
2443.9	10000	38.0293	94.7520	-720	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.204	-1	8.698	0	1903	51	0.6
2443.8	10000	38.0293	94.7512	-716	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.591	-1	8.329	0	1902	60	0.6
2443.7	10000	38.0293	94.7505	-711	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.863	-1	8.399	0	1882	54	0.6
2443.6	10000	38.0294	94.7497	-707	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.976	-1	8.367	0	1851	43	0.6
2443.5	10000	38.0294	94.7490	-703	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.999	-1	8.968	0	1846	32	0.6
2443.4	10000	38.0294	94.7482	-698	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	2.969	-1	8.119	0	1815	47	0.6
2443.3	10000	38.0295	94.7475	-694	PM	2.8	-1	9.6	1	1.1	0	0.292	-1	3.125	0	8.135	0	1803	40	0.6
2443.2	10000	38.0295	94.7467	-689	PM	2.9	-1	9.6	1	1.1	0	0.292	-1	3.104	0	8.935	0	1791	40	0.6

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2443.1	10000	38.0295	94.7460	-684	PM	2.7	-1	7.9	-1	1.0	0	0.341	0	2.596	-1	7.619	-1	1786	46	0.6
2443.0	10000	38.0295	94.7452	-678	PM	2.8	-1	8.2	-1	1.1	0	0.337	0	2.636	-1	7.815	-1	1794	58	0.6
2442.9	10000	38.0296	94.7445	-672	PM	2.6	-1	8.4	-1	1.1	0	0.310	-1	2.433	-1	7.837	-1	1823	47	0.6
2442.8	10000	38.0296	94.7437	-666	PM	2.7	-1	8.7	-1	1.1	0	0.312	-1	2.446	-1	7.851	-1	1825	53	0.6
2442.7	10000	38.0296	94.7430	-660	PM	2.9	-1	8.6	-1	1.1	0	0.336	0	2.652	-1	7.898	-1	1829	34	0.6
2442.6	10000	38.0297	94.7422	-653	PM	2.9	-1	8.2	-1	1.1	0	0.350	0	2.734	-1	7.810	-1	1811	47	0.6
2442.5	10000	38.0297	94.7415	-647	PM	2.9	-1	8.3	-1	1.0	-1	0.350	0	2.953	0	8.441	0	1788	68	0.5
2442.4	10000	38.0297	94.7407	-641	PM	2.9	-1	8.5	-1	0.9	-1	0.347	0	3.300	0	9.517	0	1753	42	0.5
2442.3	10000	38.0297	94.7400	-635	PM	2.8	-1	8.4	-1	0.9	-1	0.335	0	3.208	0	9.580	1	1714	45	0.5
2442.2	10000	38.0298	94.7392	-629	PM	3.0	-1	8.1	-2	0.8	-2	0.367	0	3.533	1	9.633	1	1671	50	0.5
2442.1	10000	38.0298	94.7385	-623	PM	3.0	-1	7.8	-2	0.8	-2	0.382	0	3.676	1	9.636	1	1652	39	0.5
2442.0	10000	38.0298	94.7377	-617	PM	2.8	-1	7.9	-1	0.8	-2	0.356	0	3.394	0	9.546	0	1653	36	0.5
2441.9	10000	38.0299	94.7370	-613	PM	2.7	-1	8.3	-1	0.8	-2	0.328	0	3.246	0	9.910	1	1663	44	0.5
2441.8	10000	38.0299	94.7362	-608	PM	2.6	-1	8.9	-1	0.9	-1	0.292	-1	2.938	0	10.054	1	1684	41	0.5
2441.7	10000	38.0299	94.7355	-604	PM	2.6	-1	8.8	-1	0.9	-1	0.294	-1	2.753	-1	9.350	0	1723	43	0.5
2441.6	10000	38.0300	94.7347	-601	PM	2.6	-1	9.0	0	1.0	-1	0.284	-1	2.573	-1	9.067	0	1773	48	0.5
2441.5	10000	38.0300	94.7340	-599	PM	2.6	-1	9.2	0	1.0	0	0.285	-1	2.560	-1	8.967	0	1815	50	0.5
2441.4	10000	38.0300	94.7332	-598	PM	2.6	-1	9.2	0	1.1	0	0.281	-1	2.411	-1	8.566	0	1850	41	0.5
2441.3	10000	38.0301	94.7325	-597	QAL	2.5	-1	9.1	0	1.1	-1	0.276	-1	2.251	0	8.155	0	1872	49	0.5
2441.2	10000	38.0301	94.7317	-597	QAL	2.6	-1	9.2	0	1.1	0	0.281	-1	2.255	0	8.023	0	1881	36	0.5
2441.1	10000	38.0301	94.7310	-598	QAL	2.5	-1	8.9	0	1.1	0	0.282	-1	2.196	-1	7.799	0	1884	42	0.5
2441.0	10000	38.0301	94.7302	-595	QAL	2.7	-1	9.1	0	1.1	0	0.294	-1	2.330	0	7.927	0	1885	52	0.5
2440.9	10000	38.0302	94.7295	-589	QAL	2.8	0	9.0	0	1.2	0	0.315	0	2.440	0	7.757	0	1886	46	0.5
2440.8	10000	38.0302	94.7287	-586	QAL	2.6	-1	9.1	0	1.2	0	0.280	-1	2.188	-1	7.816	0	1882	51	0.5
2440.7	10000	38.0302	94.7280	-587	QAL	2.5	-1	9.4	0	1.2	0	0.264	-1	2.126	-1	8.061	0	1874	54	0.5
2440.6	10000	38.0303	94.7272	-589	QAL	2.7	-1	9.7	0	1.2	0	0.275	-1	2.278	0	8.299	0	1862	36	0.5
2440.5	10000	38.0303	94.7265	-589	QAL	2.7	-1	9.6	0	1.1	0	0.282	-1	2.364	0	8.383	1	1847	47	0.5
2440.4	10000	38.0303	94.7257	-589	QAL	2.7	-1	9.3	0	1.1	0	0.286	-1	2.328	0	8.126	0	1828	43	0.5
2440.3	10000	38.0303	94.7249	-589	QAL	2.5	-1	9.4	0	1.1	0	0.266	-1	2.185	-1	8.222	0	1794	47	0.5
2440.2	10000	38.0304	94.7242	-588	QAL	2.7	-2	9.4	0	1.1	-1	0.288	-1	1.965	-1	8.634	1	1753	39	0.5
2440.1	10000	38.0304	94.7234	-587	QAL	2.7	-2	9.4	0	1.1	-1	0.239	-1	2.061	-1	8.625	1	1750	36	0.5
2440.0	10000	38.0304	94.7227	-586	QAL	2.7	-2	9.4	0	1.1	-1	0.242	-1	2.060	-1	8.528	1	1736	48	0.5
2439.9	10000	38.0305	94.7219	-584	QAL	2.7	-2	9.2	0	1.0	-1	0.248	-1	2.160	-1	8.693	1	1733	55	0.5
2439.8	10000	38.0305	94.7212	-581	QAL	2.7	-2	9.3	0	1.0	-2	0.234	-1	2.131	-1	9.120	1	1733	41	0.5
2439.7	10000	38.0305	94.7204	-579	QAL	2.7	-2	9.2	0	1.0	-1	0.240	-1	2.196	-1	9.134	1	1734	43	0.5
2439.6	10000	38.0305	94.7197	-576	QAL	2.9	-1	9.1	0	1.0	-1	0.249	-1	2.343	-1	9.395	1	1733	44	0.5
2439.5	10000	38.0306	94.7189	-573	QAL	2.9	-1	8.8	0	0.9	-1	0.265	-1	2.436	-1	9.185	1	1735	30	0.5
2439.4	10000	38.0306	94.7182	-570	QAL	2.9	-1	9.0	0	0.9	-1	0.277	-1	2.480	-1	8.962	1	1709	38	0.5
2439.3	10000	38.0306	94.7174	-567	PM	2.9	-1	9.3	0	0.9	-1	0.266	-1	2.549	-1	9.579	1	1694	41	0.5
2439.2	10000	38.0307	94.7167	-564	PM	3.0	-1	9.3	0	0.9	-1	0.253	-2	2.646	-1	10.459	1	1668	46	0.5
2439.1	10000	38.0307	94.7159	-561	PM	3.0	-1	9.4	0	0.8	-1	0.264	-1	2.657	-1	10.047	1	1655	45	0.5
2439.0	10000	38.0307	94.7152	-558	PM	3.0	-1	9.4	0	0.8	-1	0.286	-1	2.703	-1	10.861	1	1642	35	0.5
2438.9	10000	38.0308	94.7144	-555	PM	3.0	-1	9.4	0	0.8	-2	0.322	-1	3.103	0	10.407	1	1622	30	0.5
2438.8	10000	38.0308	94.7137	-552	PM	3.0	-1	9.4	0	0.8	-2	0.341	-1	3.356	0	10.794	1	1595	44	0.5
2438.7	10000	38.0308	94.7129	-550	PM	3.0	-1	9.4	0	0.8	-2	0.344	-1	3.683	0	11.815	2	1563	53	0.5
2438.6	10000	38.0309	94.7122	-547	PM	3.0	-1	9.4	0	0.8	-3	0.378	-1	4.070	0	11.994	2	1544	46	0.5
2438.5	10000	38.0309	94.7114	-545	PM	3.0	-1	9.4	0	0.8	-3	0.404	-1	4.536	0	11.762	2	1533	43	0.5
2438.4	10000	38.0309	94.7107	-543	PM	3.0	-1	9.4	0	0.8	-3	0.407	-1	4.347	1	11.004	2	1509	47	0.5
2438.3	10000	38.0310	94.7099	-540	PM	3.0	-1	9.4	0	0.8	-3	0.418	-1	4.484	1	11.116	2	1504	42	0.5
2438.2	10000	38.0310	94.7092	-537	PM	3.0	-1	9.4	0	0.8	-3	0.377	-1	4.229	1	10.857	2	1497	49	0.5
2438.1	10000	38.0310	94.7084	-535	PM	3.0	-1	9.4	0	0.8	-3	0.372	-1	4.091	1	10.996	2	1487	49	0.5
2438.0	10000	38.0310	94.7077	-533	PM	2.7	-1	7.5	-2	0.7	-3	0.360	0	4.058	1	11.286	2	1501	49	0.5

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2437.9	10000	38.0310	94.7069	-531	PM	2.5	-1	7.4	-2	0.7	-2	0.341	0	3.573	1	10.487	1	1507	48	0.5
2437.8	10000	38.0311	94.7062	-529	PM	2.6	-1	7.1	-2	0.7	-2	0.365	0	3.628	1	9.951	1	1508	48	0.5
2437.7	10000	38.0311	94.7054	-526	PM	2.7	-1	7.1	-2	0.7	-2	0.381	0	3.684	1	9.662	1	1536	43	0.5
2437.6	10000	38.0311	94.7047	-524	PM	2.6	-1	7.0	-2	0.7	-2	0.370	0	3.663	1	9.902	1	1555	44	0.5
2437.5	10000	38.0312	94.7039	-522	PM	2.6	-1	7.1	-2	0.8	-2	0.364	0	3.423	0	9.397	0	1597	43	0.5
2437.4	10000	38.0312	94.7032	-519	PM	2.7	-1	7.4	-2	0.8	-2	0.368	0	3.346	0	9.088	0	1630	51	0.5
2437.3	10000	38.0312	94.7024	-517	PM	2.8	-1	7.6	-2	0.9	-1	0.363	0	3.186	0	8.774	0	1664	46	0.5
2437.2	10000	38.0313	94.7017	-517	PM	2.9	-1	7.5	-2	0.9	-1	0.390	1	3.352	0	8.583	0	1689	40	0.5
2437.1	10000	38.0313	94.7009	-513	PM	2.6	-1	8.1	-1	0.9	-1	0.327	0	3.084	0	9.420	0	1718	41	0.5
2437.0	10000	38.0313	94.7002	-511	PM	2.6	-1	8.5	-1	0.9	-1	0.303	-1	2.875	0	9.497	0	1728	47	0.5
2436.9	10000	38.0313	94.6994	-509	PM	2.5	-1	8.6	-1	0.9	-1	0.297	-1	2.903	0	9.784	1	1730	45	0.5
2436.8	10000	38.0314	94.6987	-507	PM	2.7	-1	8.7	-1	0.8	-2	0.310	-1	3.210	0	10.356	1	1744	54	0.5
2436.7	10000	38.0314	94.6979	-506	PM	2.6	-1	8.9	0	0.8	-2	0.289	-1	3.213	0	11.123	2	1754	50	0.5
2436.6	10000	38.0314	94.6972	-505	PM	2.8	-1	8.7	-1	0.8	-2	0.317	-1	3.541	1	11.182	2	1762	42	0.5
2436.5	10000	38.0315	94.6964	-505	PM	2.9	-1	9.1	0	0.8	-2	0.320	-1	3.659	1	11.419	2	1775	46	0.5
2436.4	10000	38.0315	94.6956	-505	PM	3.2	0	9.1	0	0.8	-2	0.347	0	4.133	2	11.914	2	1783	46	0.5
2436.3	10000	38.0315	94.6949	-504	PM	3.3	0	9.1	0	0.7	-2	0.361	0	4.424	2	12.256	2	1797	54	0.5
2436.2	10000	38.0315	94.6942	-504	PM	3.4	0	9.4	0	0.8	-2	0.365	0	4.392	2	12.028	2	1814	53	0.5
2436.1	10000	38.0316	94.6934	-504	PM	3.4	0	9.0	0	0.8	-2	0.373	0	4.318	2	11.575	2	1816	51	0.5
2436.0	10000	38.0316	94.6927	-504	PM	3.4	0	9.1	0	0.8	-2	0.375	0	4.031	1	10.742	1	1846	61	0.5
2435.9	10000	38.0315	94.6919	-506	PM	3.2	0	9.6	0	0.9	-1	0.336	0	3.592	1	10.631	1	1857	44	0.5
2435.8	10000	38.0315	94.6912	-506	PM	3.1	0	9.7	0	0.9	-1	0.320	-1	3.605	1	11.273	2	1871	48	0.5
2435.7	10000	38.0315	94.6905	-507	PM	3.1	0	9.6	0	0.9	-1	0.326	0	3.524	1	10.824	1	1891	41	0.5
2435.6	10000	38.0315	94.6898	-508	PM	3.3	0	9.8	0	0.9	-1	0.332	0	3.649	1	11.003	2	1915	55	0.5
2435.5	10000	38.0315	94.6890	-509	PM	3.1	0	9.9	0	0.9	-1	0.318	-1	3.568	1	11.222	2	1930	47	0.5
2435.4	10000	38.0315	94.6883	-509	PM	3.2	0	10.5	1	0.9	-1	0.306	-1	3.696	1	12.075	2	1945	54	0.5
2435.3	10000	38.0315	94.6876	-511	PM	3.3	0	9.5	0	0.9	-1	0.347	0	3.864	1	12.924	3	1947	53	0.5
2435.2	10000	38.0315	94.6869	-512	PM	3.3	0	9.7	0	0.9	-1	0.340	0	3.864	1	13.070	3	1946	50	0.5
2435.1	10000	38.0314	94.6861	-514	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	12.724	3	1944	43	0.6
2435.0	10000	38.0314	94.6854	-515	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	12.087	3	1933	63	0.6
2434.9	10000	38.0314	94.6847	-517	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	12.177	3	1909	34	0.6
2434.8	10000	38.0314	94.6840	-519	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	11.656	2	1911	56	0.6
2434.7	10000	38.0314	94.6832	-521	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	11.845	2	1901	38	0.6
2434.6	10000	38.0314	94.6825	-523	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	12.208	2	1901	51	0.6
2434.5	10000	38.0314	94.6818	-526	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	12.711	3	1903	48	0.6
2434.4	10000	38.0314	94.6811	-528	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	12.772	3	1908	46	0.6
2434.3	10000	38.0313	94.6803	-531	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	11.942	2	1919	54	0.6
2434.2	10000	38.0313	94.6796	-534	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	11.410	2	1924	49	0.6
2434.1	10000	38.0313	94.6789	-536	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	11.661	2	1916	34	0.6
2434.0	10000	38.0313	94.6782	-539	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	11.586	2	1911	47	0.6
2433.9	10000	38.0313	94.6774	-542	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	11.839	2	1904	35	0.6
2433.8	10000	38.0313	94.6767	-545	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	11.163	2	1917	55	0.6
2433.7	10000	38.0313	94.6760	-548	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	11.047	2	1916	34	0.6
2433.6	10000	38.0313	94.6753	-552	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	10.551	2	1905	50	0.6
2433.5	10000	38.0313	94.6745	-554	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	10.375	2	1916	46	0.6
2433.4	10000	38.0313	94.6738	-557	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	10.037	2	1924	57	0.6
2433.3	10000	38.0312	94.6731	-559	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	10.116	2	1918	53	0.6
2433.2	10000	38.0312	94.6724	-562	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	10.153	2	1920	49	0.6
2433.1	10000	38.0312	94.6716	-565	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	10.734	2	1911	40	0.6
2433.0	10000	38.0312	94.6709	-566	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	9.557	2	1909	54	0.6
2432.9	10000	38.0312	94.6702	-568	PM	3.3	0	9.8	0	0.9	-1	0.337	0	3.864	1	9.191	2	1918	42	0.6
2432.8	10000	38.0312	94.6695	-569	PM	2.7	-1	8.4	-1	0.5	-2	0.268	0	2.534	0	9.456	1	1916	42	0.6

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2432.7	10000	38.0312	94.6687	-570	PM	2.8	-1	10.5	1	1.1	0	0.264	-1	2.544	-1	9.654	1	1925	34	0.6
2432.6	10000	38.0312	94.6680	-571	PM	2.9	-1	10.1	1	1.1	0	0.283	-1	2.603	-1	9.202	0	1936	59	0.6
2432.5	10000	38.0311	94.6673	-572	PM	3.0	-1	9.8	0	1.1	0	0.307	-1	2.711	-1	8.844	0	1944	51	0.6
2432.4	10000	38.0311	94.6666	-571	PM	3.2	0	10.3	1	1.1	0	0.315	-1	2.935	0	9.328	0	1956	61	0.6
2432.3	10000	38.0311	94.6658	-570	PM	3.4	0	10.1	1	1.1	0	0.332	0	3.008	0	9.070	0	1971	43	0.6
2432.2	10000	38.0311	94.6651	-568	PM	3.2	0	10.3	1	1.1	0	0.312	-1	2.849	0	9.136	0	1974	47	0.6
2432.1	10000	38.0311	94.6644	-566	PM	2.9	-1	10.2	1	1.2	0	0.280	-1	2.495	-1	8.900	0	1978	49	0.6
2432.0	10000	38.0311	94.6637	-563	PM	2.6	-1	9.9	1	1.1	0	0.261	-1	2.254	-1	8.644	0	1963	40	0.6
2431.9	10000	38.0311	94.6629	-559	PM	2.6	-1	9.6	1	1.2	0	0.276	-1	2.261	-1	8.192	0	1957	42	0.6
2431.8	10000	38.0311	94.6622	-555	QAL	2.6	-1	9.3	1	1.2	0	0.275	-1	2.123	-1	7.723	0	1949	30	0.6
2431.7	10000	38.0310	94.6615	-549	QAL	2.4	-1	9.2	0	1.2	0	0.263	-1	2.014	-1	7.672	0	1927	43	0.6
2431.6	10000	38.0310	94.6608	-543	QAL	2.5	-1	9.0	0	1.2	0	0.277	-1	2.044	-1	7.383	0	1925	53	0.6
2431.5	10000	38.0310	94.6600	-536	QAL	2.6	-1	9.0	0	1.2	0	0.288	-1	2.109	-1	7.334	0	1948	52	0.6
2431.4	10000	38.0310	94.6593	-529	QAL	2.7	-1	8.9	0	1.2	0	0.300	-1	2.211	0	7.378	0	1946	37	0.6
2431.3	10000	38.0310	94.6586	-522	QAL	2.8	-1	9.3	1	1.2	0	0.295	-1	2.236	0	7.569	0	1950	50	0.6
2431.2	10000	38.0310	94.6579	-515	QAL	2.7	-1	10.0	1	1.2	0	0.274	-1	2.248	0	8.195	0	1963	50	0.7
2431.1	10000	38.0310	94.6572	-507	QAL	2.8	-1	10.0	1	1.2	0	0.279	-1	2.393	0	8.562	1	1972	47	0.7
2431.0	10000	38.0310	94.6564	-501	QAL	2.9	0	9.9	1	1.1	-1	0.293	-1	2.590	0	8.825	1	1987	44	0.7
2430.9	10000	38.0309	94.6557	-494	QAL	2.6	-1	10.3	1	1.1	-1	0.253	-1	2.423	0	9.582	1	1983	56	0.7
2430.8	10000	38.0309	94.6550	-488	QAL	2.6	-1	10.0	1	1.0	-1	0.263	-1	2.555	0	9.714	1	1946	50	0.7
2430.7	10000	38.0309	94.6543	-483	QAL	2.7	-1	9.9	1	1.0	-1	0.277	-1	2.695	0	9.737	1	1921	45	0.7
2430.6	10000	38.0309	94.6535	-480	QAL	2.7	-1	9.6	1	1.0	-1	0.285	-1	2.795	0	9.799	1	1890	49	0.7
2430.5	10000	38.0309	94.6528	-478	QAL	2.7	-1	9.2	1	0.9	-1	0.298	-1	2.913	1	9.771	1	1861	56	0.7
2430.4	10000	38.0309	94.6521	-476	QAL	2.8	-1	9.3	1	0.9	-1	0.299	-1	2.977	1	9.971	2	1835	39	0.7
2430.3	10000	38.0309	94.6514	-476	QAL	2.8	0	9.2	0	1.0	-1	0.305	0	2.924	1	9.580	1	1798	51	0.7
2430.2	10000	38.0309	94.6506	-477	QAL	2.8	0	8.5	-1	1.0	-1	0.331	0	2.853	1	8.628	1	1770	43	0.7
2430.1	10000	38.0308	94.6499	-479	QAL	2.9	0	8.7	0	1.0	-1	0.330	0	2.880	1	8.736	1	1764	48	0.7
2430.0	10000	38.0308	94.6492	-481	QAL	3.0	0	8.8	0	1.0	-1	0.347	0	3.032	1	8.735	1	1766	48	0.7
2429.9	10000	38.0308	94.6485	-484	QAL	2.8	0	8.5	-1	1.0	-1	0.335	0	2.796	1	8.347	0	1763	51	0.7
2429.8	10000	38.0308	94.6477	-487	QAL	2.6	-1	8.5	0	1.0	-1	0.306	0	2.556	1	8.358	1	1760	41	0.7
2429.7	10000	38.0308	94.6470	-491	QAL	2.6	-1	8.4	0	1.0	-1	0.313	0	2.611	1	8.347	0	1761	50	0.7
2429.6	10000	38.0308	94.6463	-496	QAL	2.7	-1	8.5	0	1.0	-1	0.317	0	2.642	1	8.358	1	1788	47	0.7
2429.5	10000	38.0308	94.6456	-501	QAL	2.9	-1	8.8	0	1.0	-1	0.328	0	2.743	1	8.349	0	1784	48	0.7
2429.4	10000	38.0307	94.6448	-506	QAL	2.8	-1	8.8	0	1.0	-1	0.326	0	2.726	1	8.362	1	1775	38	0.7
2429.3	10000	38.0307	94.6441	-511	QAL	2.9	-1	8.8	0	1.0	-1	0.329	0	2.753	1	8.362	1	1762	44	0.7
2429.2	10000	38.0307	94.6434	-517	QAL	3.1	-1	8.8	0	1.0	-1	0.348	0	2.943	1	8.362	1	1771	45	0.7
2429.1	10000	38.0307	94.6427	-522	QAL	3.0	-1	8.8	0	1.0	-1	0.340	0	2.971	1	8.362	1	1764	58	0.7
2429.0	10000	38.0307	94.6419	-527	QAL	2.7	-1	8.8	0	1.0	-1	0.307	0	2.860	1	8.362	1	1745	51	0.7
2428.9	10000	38.0307	94.6412	-532	QAL	2.7	-1	8.8	0	1.0	-1	0.311	0	2.886	1	8.362	1	1709	45	0.7
2428.8	10000	38.0307	94.6405	-537	QAL	2.6	-1	8.8	0	1.0	-1	0.297	0	2.753	1	8.362	1	1690	36	0.7
2428.7	10000	38.0307	94.6398	-542	QAL	2.5	-1	8.8	0	1.0	-1	0.284	0	2.633	1	8.362	1	1679	43	0.7
2428.6	10000	38.0307	94.6390	-547	QAL	2.5	-1	8.8	0	1.0	-1	0.284	0	2.633	1	8.362	1	1690	44	0.7
2428.5	10000	38.0306	94.6383	-551	QAL	2.4	-1	8.8	0	1.0	-1	0.272	0	2.523	1	8.362	1	1686	42	0.7
2428.4	10000	38.0306	94.6376	-555	PM	2.3	-2	8.8	0	1.0	-1	0.261	0	2.423	1	8.362	1	1691	67	0.7
2428.3	10000	38.0306	94.6369	-559	PM	2.4	-2	8.8	0	1.0	-1	0.272	0	2.523	1	8.362	1	1691	37	0.7
2428.2	10000	38.0306	94.6361	-564	PM	2.5	-2	8.8	0	1.0	-1	0.284	0	2.633	1	8.362	1	1704	52	0.7
2428.1	10000	38.0306	94.6354	-568	PM	2.5	-2	8.8	0	1.0	-1	0.284	0	2.633	1	8.362	1	1724	57	0.7
2428.0	10000	38.0306	94.6347	-572	PM	2.5	-2	8.8	0	1.0	-1	0.284	0	2.633	1	8.362	1	1720	52	0.7
2427.9	10000	38.0306	94.6339	-577	PM	2.5	-2	8.8	0	1.0	-1	0.284	0	2.633	1	8.362	1	1704	60	0.7
2427.8	10000	38.0305	94.6332	-582	PM	2.5	-2	8.8	0	1.0	-1	0.284	0	2.633	1	8.362	1	1696	46	0.7
2427.7	10000	38.0305	94.6325	-586	PM	2.5	-2	8.8	0	1.0	-1	0.284	0	2.633	1	8.362	1	1691	56	0.7
2427.6	10000	38.0305	94.6318	-591	PM	2.6	-1	8.8	0	1.0	-1	0.295	0	2.735	1	8.362	1	1700	44	0.7

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FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2427.5	10000	38.0305	94.6310	-595	PM	2.6	-1	7.1	-2	0.9	-1	0.366	0	2.754	-1	7.532	-2	1699	40	0.8
2427.4	10000	38.0305	94.6303	-600	PM	2.5	-2	6.6	-3	1.0	-1	0.375	0	2.529	-1	6.740	-2	1699	41	0.8
2427.3	10000	38.0305	94.6296	-604	PM	2.6	-1	6.8	-3	1.0	0	0.378	0	2.533	-1	6.703	-2	1705	45	0.8
2427.2	10000	38.0305	94.6289	-608	PM	2.7	-1	7.2	-2	1.0	-1	0.374	0	2.745	-1	7.339	-1	1723	39	0.8
2427.1	10000	38.0305	94.6281	-612	PM	2.5	-2	7.7	-2	1.0	-1	0.325	0	2.535	-1	7.795	-1	1724	51	0.8
2427.0	10000	38.0304	94.6274	-616	PM	2.5	-2	7.8	-2	1.0	-1	0.319	-1	2.537	-1	7.943	-1	1732	48	0.8
2426.9	10000	38.0304	94.6267	-619	PM	2.5	-2	8.2	-1	1.0	-1	0.300	-1	2.536	-1	8.441	0	1734	54	0.8
2426.8	10000	38.0304	94.6260	-623	PM	2.4	-2	8.5	-1	0.9	-1	0.285	-1	2.571	-1	9.008	0	1734	48	0.8
2426.7	10000	38.0304	94.6252	-626	PM	2.6	-1	8.4	-1	0.9	-1	0.309	-1	2.749	-1	8.886	0	1724	52	0.8
2426.6	10000	38.0304	94.6245	-629	PM	2.3	-2	8.5	-1	0.9	-1	0.268	-1	2.466	-1	9.213	0	1733	46	0.8
2426.5	10000	38.0304	94.6238	-633	PM	2.3	-2	8.7	-1	1.0	-1	0.260	-1	2.379	-1	9.144	0	1732	46	0.8
2426.4	10000	38.0304	94.6231	-636	PM	2.2	-2	8.7	-1	1.0	-1	0.256	-2	2.237	-1	8.741	0	1758	45	0.8
2426.3	10000	38.0304	94.6223	-638	PM	2.2	-2	8.9	0	1.0	0	0.244	-2	2.086	-2	8.566	0	1776	38	0.8
2426.2	10000	38.0303	94.6216	-641	PM	2.0	-2	8.9	0	1.1	0	0.226	-2	1.848	-2	8.194	0	1798	52	0.8
2426.1	10000	38.0303	94.6209	-644	PM	2.1	-2	9.0	0	1.1	0	0.235	-2	1.869	-2	7.940	-1	1827	58	0.8
2426.0	10000	38.0303	94.6202	-647	PM	2.2	-2	9.3	0	1.1	0	0.233	-2	1.930	-2	8.289	0	1868	38	0.8
2425.9	10000	38.0303	94.6194	-650	PM	2.4	-2	9.5	0	1.2	0	0.260	-1	2.064	-2	7.931	-1	1923	39	0.8
2425.8	10000	38.0303	94.6187	-653	PM	2.6	-1	9.5	0	1.1	0	0.277	-1	2.303	-1	8.317	0	1963	35	0.8
2425.7	10000	38.0303	94.6180	-657	PM	3.1	0	9.2	0	1.1	0	0.336	0	2.854	0	8.491	0	1992	51	0.8
2425.6	10000	38.0303	94.6173	-660	PM	3.2	0	9.0	0	1.1	0	0.360	0	3.007	0	8.347	0	2012	55	0.8
2425.5	10000	38.0303	94.6165	-663	PM	3.5	0	9.4	0	1.1	0	0.373	0	3.260	0	8.737	0	2037	45	0.8
2425.4	10000	38.0303	94.6158	-667	PM	3.6	0	9.3	0	1.1	0	0.385	0	3.288	0	8.532	0	2057	47	0.8
2425.3	10000	38.0302	94.6151	-670	PM	3.5	0	9.6	0	1.1	0	0.365	0	3.147	0	8.621	0	2076	50	0.8
2425.2	10000	38.0302	94.6144	-674	PM	3.2	0	10.1	0	1.1	0	0.333	0	2.935	0	8.818	0	2084	43	0.8
2425.1	10000	38.0302	94.6136	-678	PM	3.0	0	10.2	0	1.1	0	0.327	0	2.746	-1	8.385	0	2074	61	0.8
2425.0	10000	38.0302	94.6129	-682	PM	2.8	-1	10.4	0	1.1	0	0.297	-1	2.458	-1	8.272	0	2067	55	0.8
2424.9	10000	38.0302	94.6122	-687	PM	2.8	-1	10.3	0	1.1	0	0.287	-1	2.371	-1	8.269	0	2068	39	0.8
2424.8	10000	38.0302	94.6115	-692	PM	2.6	-1	10.2	0	1.1	0	0.272	-1	2.241	-1	8.236	0	2055	35	0.8
2424.7	10000	38.0302	94.6107	-697	PM	2.5	-2	10.2	0	1.1	0	0.252	-2	2.110	-2	8.357	0	2021	45	0.8
2424.6	10000	38.0302	94.6100	-702	PM	2.5	-2	10.2	0	1.1	0	0.245	-2	2.021	-2	8.368	0	1987	43	0.8
2424.5	10000	38.0301	94.6093	-707	PM	2.4	-2	10.2	0	1.1	0	0.235	-2	2.058	-2	8.396	0	1934	40	0.8
2424.4	10000	38.0301	94.6086	-712	PM	2.3	-2	10.1	0	1.1	0	0.227	-2	2.316	-1	8.349	0	1903	41	0.8
2424.3	10000	38.0301	94.6078	-717	PM	2.2	-2	10.0	0	1.1	0	0.220	-2	2.545	-1	8.737	0	1869	41	0.8
2424.2	10000	38.0301	94.6071	-722	PM	2.2	-2	9.9	0	1.1	0	0.222	-2	2.884	0	9.076	0	1836	41	0.8
2424.1	10000	38.0301	94.6064	-726	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.097	0	8.497	0	1812	52	0.8
2424.0	10000	38.0301	94.6057	-732	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.049	0	8.574	0	1799	54	0.8
2423.9	10000	38.0301	94.6049	-739	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.103	0	8.613	0	1779	52	0.8
2423.8	10000	38.0300	94.6042	-747	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.238	0	7.975	-1	1775	50	0.8
2423.7	10000	38.0300	94.6035	-753	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.717	-1	7.772	-1	1774	41	0.8
2423.6	10000	38.0300	94.6028	-758	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.532	-1	7.476	-1	1786	39	0.8
2423.5	10000	38.0300	94.6021	-763	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.179	-1	7.719	-1	1792	42	0.8
2423.4	10000	38.0300	94.6013	-769	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	2.958	-1	7.861	-1	1790	46	0.8
2423.3	10000	38.0300	94.6006	-774	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.003	-1	7.477	-1	1791	51	0.8
2423.2	10000	38.0300	94.5999	-780	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.043	-1	7.399	-1	1799	45	0.8
2423.1	10000	38.0299	94.5992	-785	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.149	-1	7.845	-1	1781	47	0.8
2423.0	10000	38.0299	94.5984	-789	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.489	-1	8.366	-1	1763	47	0.8
2422.9	10000	38.0299	94.5977	-795	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.499	-1	8.705	-1	1734	45	0.8
2422.8	10000	38.0299	94.5970	-800	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.517	-1	8.160	-1	1710	47	0.8
2422.7	10000	38.0299	94.5963	-804	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.704	-1	8.079	-1	1688	46	0.8
2422.6	10000	38.0299	94.5955	-809	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.932	0	7.986	0	1663	52	0.8
2422.5	10000	38.0299	94.5948	-813	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.992	0	8.312	0	1637	52	0.8
2422.4	10000	38.0299	94.5941	-817	PM	2.2	-2	9.8	0	1.1	0	0.224	-2	3.047	0	8.235	0	1642	54	0.8

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FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2422.3	10000	38.0299	94.5934	-821	PC	2.7	-1	7.6	-1	0.9	-1	0.353	0	2.873	0	8.140	0	1640	45	0.7
2422.2	10000	38.0298	94.5926	-824	PC	2.7	-1	7.5	-1	0.9	-1	0.360	0	2.915	0	8.086	0	1644	42	0.7
2422.1	10000	38.0298	94.5919	-828	PC	2.8	-1	7.9	-1	0.9	-1	0.353	0	3.111	0	8.825	0	1667	58	0.7
2422.0	10000	38.0298	94.5912	-830	PC	2.7	-1	8.1	-1	0.9	-1	0.338	0	2.992	0	8.841	0	1703	44	0.7
2421.9	10000	38.0298	94.5905	-833	PC	2.5	-1	8.9	0	0.9	-1	0.284	-1	2.770	0	9.754	1	1733	54	0.7
2421.8	10000	38.0298	94.5897	-836	PC	2.7	-1	9.1	0	1.0	-1	0.298	-1	2.797	0	9.373	0	1769	45	0.7
2421.7	10000	38.0298	94.5890	-839	PC	2.5	-1	9.4	0	1.0	0	0.262	-1	2.500	-1	9.524	1	1764	49	0.7
2421.6	10000	38.0298	94.5883	-842	PC	2.4	-1	9.4	0	1.0	-1	0.258	-1	2.531	-1	9.807	1	1764	51	0.7
2421.5	10000	38.0298	94.5876	-844	PC	2.3	-1	9.5	0	0.9	-1	0.246	-1	2.469	-1	10.043	1	1751	37	0.7
2421.4	10000	38.0297	94.5868	-848	PC	2.3	-1	9.0	0	0.9	-1	0.250	-1	2.438	-1	9.741	1	1711	52	0.7
2421.3	10000	38.0297	94.5861	-850	PC	2.1	-1	9.1	0	0.9	-1	0.232	-1	2.438	-1	10.523	1	1679	49	0.7
2421.2	10000	38.0297	94.5854	-853	PC	2.4	-1	8.6	-1	0.9	-1	0.275	-1	2.747	0	9.977	1	1649	38	0.6
2421.1	10000	38.0297	94.5847	-856	PM	2.3	-2	8.5	-1	0.8	-2	0.276	-1	2.805	0	10.167	1	1625	27	0.6
2421.0	10000	38.0297	94.5839	-858	PM	2.5	-1	8.5	-1	0.8	-2	0.293	-1	3.047	0	10.410	1	1632	42	0.6
2420.9	10000	38.0297	94.5832	-861	PM	2.5	-1	8.3	-1	0.8	-2	0.307	-1	3.162	0	10.292	1	1639	39	0.6
2420.8	10000	38.0297	94.5825	-864	PM	2.8	-1	8.2	-1	0.8	-2	0.334	0	3.347	0	10.031	1	1656	44	0.6
2420.7	10000	38.0297	94.5818	-866	PM	2.7	-1	8.2	-1	0.9	-1	0.325	0	3.024	0	9.301	0	1679	47	0.6
2420.6	10000	38.0296	94.5810	-869	PM	2.8	-1	8.2	-1	0.9	-1	0.340	0	3.094	0	9.110	0	1691	54	0.6
2420.5	10000	38.0296	94.5803	-873	PM	2.5	-2	8.8	-1	0.9	-1	0.286	-1	2.744	-1	9.591	1	1706	49	0.6
2420.4	10000	38.0296	94.5796	-877	PM	2.2	-2	8.4	-1	0.9	-1	0.268	-1	2.468	-1	9.210	0	1697	53	0.6
2420.3	10000	38.0296	94.5789	-881	PM	2.0	-2	7.8	-2	0.9	-1	0.258	-2	2.238	-1	8.662	0	1681	55	0.6
2420.2	10000	38.0296	94.5781	-884	PM	2.0	-3	8.0	-1	0.9	-1	0.245	-2	2.131	-2	8.699	0	1658	60	0.6
2420.1	10000	38.0296	94.5774	-888	PM	2.0	-3	8.0	-1	0.9	-1	0.246	-2	2.142	-1	8.707	0	1641	49	0.6
2420.0	10000	38.0296	94.5767	-891	PM	2.0	-2	8.1	-1	0.9	-1	0.249	-2	2.358	-1	9.466	0	1616	49	0.6
2419.9	10000	38.0295	94.5760	-895	PM	2.2	-2	7.8	-2	0.9	-1	0.281	-1	2.539	-1	9.044	0	1601	39	0.6
2419.8	10000	38.0295	94.5752	-899	PM	2.1	-2	7.1	-2	0.8	-2	0.302	-1	2.545	-1	8.415	0	1584	48	0.6
2419.7	10000	38.0295	94.5745	-902	PM	2.6	-1	7.5	-2	0.9	-1	0.349	0	3.025	0	8.665	0	1606	37	0.6
2419.6	10000	38.0295	94.5738	-906	PM	2.8	-1	8.1	-1	0.9	-1	0.347	0	3.180	0	9.160	0	1626	51	0.6
2419.5	10000	38.0295	94.5731	-909	PM	3.1	0	8.2	-1	0.9	-1	0.379	0	3.405	0	8.989	0	1654	39	0.6
2419.4	10000	38.0295	94.5723	-913	PM	2.9	-1	8.1	-1	0.9	-1	0.362	0	3.246	0	8.956	0	1661	45	0.6
2419.3	10000	38.0295	94.5716	-917	PM	2.9	-1	8.1	-1	0.9	-1	0.347	0	3.063	0	8.548	0	1678	49	0.6
2419.2	10000	38.0295	94.5709	-921	PM	2.6	-1	8.1	-1	0.9	-1	0.305	0	2.808	0	9.193	0	1681	45	0.6
2419.1	10000	38.0295	94.5701	-926	PM	2.7	-1	8.1	-1	0.9	-1	0.302	0	2.815	0	9.308	0	1676	45	0.6
2419.0	10000	38.0294	94.5694	-930	PM	2.3	-1	8.0	-1	0.9	-1	0.256	-1	2.451	0	9.567	0	1661	50	0.6
2418.9	10000	38.0294	94.5687	-934	PM	2.3	-1	8.0	-1	0.9	-1	0.254	-1	2.458	0	9.689	0	1655	46	0.6
2418.8	10000	38.0294	94.5679	-938	PM	2.2	-1	8.0	-1	0.9	-1	0.249	-1	2.552	0	10.239	1	1634	46	0.6
2418.7	10000	38.0294	94.5672	-943	PM	2.2	-1	8.0	-1	0.9	-1	0.240	-1	2.562	0	10.693	1	1626	43	0.6
2418.6	10000	38.0294	94.5665	-947	PM	2.2	-1	8.0	-1	0.9	-1	0.255	-1	2.607	0	11.787	1	1627	61	0.6
2418.5	10000	38.0294	94.5657	-951	PM	2.2	-1	8.0	-1	0.9	-1	0.271	-1	2.190	0	11.777	1	1626	53	0.6
2418.4	10000	38.0294	94.5650	-955	PM	2.2	-1	8.0	-1	0.9	-1	0.260	-1	2.042	0	11.716	1	1625	37	0.6
2418.3	10000	38.0294	94.5642	-959	PM	2.2	-1	8.0	-1	0.9	-1	0.288	-1	2.236	0	11.231	1	1625	55	0.6
2418.2	10000	38.0294	94.5635	-964	PM	2.2	-1	8.0	-1	0.9	-1	0.295	-1	2.445	0	11.754	1	1601	50	0.6
2418.1	10000	38.0294	94.5628	-967	PM	2.2	-1	8.0	-1	0.9	-1	0.312	-1	2.103	0	10.529	1	1610	49	0.6
2418.0	10000	38.0294	94.5620	-971	PM	2.2	-1	8.0	-1	0.9	-1	0.331	-1	2.181	0	10.201	1	1603	54	0.6
2417.9	10000	38.0294	94.5613	-976	PM	2.2	-1	8.0	-1	0.9	-1	0.299	-1	2.261	0	9.859	1	1599	58	0.6
2417.8	10000	38.0293	94.5606	-980	PM	2.2	-1	8.0	-1	0.9	-1	0.288	-1	2.309	0	9.807	1	1604	58	0.6
2417.7	10000	38.0293	94.5598	-982	PM	2.2	-1	8.0	-1	0.9	-1	0.315	-1	2.079	0	9.635	1	1625	53	0.6
2417.6	10000	38.0293	94.5591	-984	PM	2.2	-1	8.0	-1	0.9	-1	0.308	-1	2.004	0	9.401	1	1671	53	0.6
2417.5	10000	38.0293	94.5583	-985	PM	2.2	-1	8.0	-1	0.9	-1	0.326	-1	2.985	0	9.525	1	1735	44	0.6
2417.4	10000	38.0293	94.5576	-989	PM	2.2	-1	8.0	-1	0.9	-1	0.289	-1	3.060	0	9.685	1	1768	55	0.6
2417.3	10000	38.0293	94.5569	-994	PM	2.2	-1	8.0	-1	0.9	-1	0.289	-1	2.726	0	9.383	1	1818	55	0.6
2417.2	10000	38.0293	94.5562	-999	PM	2.2	-1	8.0	-1	0.9	-1	0.289	-1	2.726	-1	9.442	1	1846	50	0.6

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FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2417.1	10000	38.0293	94.5554	-1003	PM	3.1	0	9.5	0	1.0	0	0.327	0	3.027	0	9.255	0	1861	45	0.5
2417.0	10000	38.0293	94.5547	-1005	PM	3.4	0	9.3	0	1.0	0	0.363	0	3.347	0	9.229	0	1863	36	0.5
2416.9	10000	38.0293	94.5539	-1008	PM	3.4	0	9.1	0	1.0	-1	0.369	0	3.522	1	9.556	0	1817	56	0.5
2416.8	10000	38.0293	94.5532	-1011	PM	3.1	0	9.2	0	0.9	-1	0.335	0	3.474	1	10.374	1	1765	49	0.5
2416.7	10000	38.0292	94.5525	-1013	PM	3.1	0	8.9	0	0.8	-2	0.347	0	3.728	1	10.752	1	1725	44	0.5
2416.6	10000	38.0292	94.5517	-1016	PM	2.8	-1	8.9	-1	0.8	-2	0.312	-1	3.584	1	11.481	2	1680	46	0.5
2416.5	10000	38.0292	94.5510	-1018	PM	2.7	-1	8.5	-1	0.7	-2	0.317	-1	3.659	1	11.545	2	1629	54	0.5
2416.4	10000	38.0292	94.5503	-1020	PM	2.5	-1	8.4	-1	0.7	-2	0.303	-1	3.538	1	11.677	2	1598	44	0.5
2416.3	10000	38.0292	94.5495	-1022	PM	2.3	-2	8.2	-1	0.7	-2	0.279	-1	3.176	1	11.381	2	1584	45	0.5
2416.2	10000	38.0292	94.5488	-1023	PM	2.4	-2	8.3	-1	0.8	-2	0.289	-1	3.002	0	10.390	1	1611	40	0.5
2416.1	10000	38.0292	94.5480	-1025	PM	2.7	-1	8.0	-1	0.9	-1	0.332	0	3.066	0	9.240	0	1663	50	0.5
2416.0	10000	38.0292	94.5473	-1027	PM	2.9	-1	8.2	-1	0.9	-1	0.355	0	3.364	0	9.463	0	1715	56	0.5
2415.9	10000	38.0292	94.5466	-1028	PM	3.3	0	8.2	-1	0.9	-1	0.405	1	3.679	1	9.088	0	1748	47	0.5
2415.8	10000	38.0292	94.5458	-1029	PM	3.5	0	8.4	-1	0.9	-1	0.419	1	3.764	1	8.983	0	1788	49	0.5
2415.7	10000	38.0291	94.5451	-1031	PM	3.6	1	8.4	-1	1.0	-1	0.421	1	3.684	1	8.740	0	1820	45	0.5
2415.6	10000	38.0291	94.5444	-1032	PM	3.8	1	8.4	-1	1.0	-1	0.453	2	3.848	1	8.492	0	1843	55	0.5
2415.5	10000	38.0291	94.5436	-1033	PM	3.8	1	8.6	-1	0.9	-1	0.436	1	4.038	1	9.258	0	1833	54	0.5
2415.4	10000	38.0291	94.5429	-1034	PM	3.8	1	8.9	-1	1.0	-1	0.424	1	3.960	1	9.346	0	1840	52	0.5
2415.3	10000	38.0291	94.5422	-1035	PM	3.7	1	8.6	-1	1.0	0	0.431	1	3.591	1	8.324	0	1861	43	0.5
2415.2	10000	38.0291	94.5414	-1037	PM	3.5	1	9.0	0	1.1	0	0.384	1	3.257	1	8.476	0	1890	42	0.5
2415.1	10000	38.0291	94.5407	-1038	PM	3.5	1	9.1	0	1.1	0	0.388	1	3.243	1	8.360	0	1929	64	0.5
2415.0	10000	38.0291	94.5399	-1038	PM	3.7	1	9.2	0	1.1	0	0.407	1	3.271	0	8.037	-1	1970	53	0.5
2414.9	10000	38.0291	94.5392	-1039	PM	4.0	1	9.2	0	1.1	0	0.431	1	3.439	1	7.984	-1	2000	55	0.5
2414.8	10000	38.0291	94.5385	-1041	PM	3.9	1	9.1	0	1.2	0	0.434	1	3.343	0	7.710	-1	2028	38	0.5
2414.7	10000	38.0291	94.5378	-1042	PM	3.6	1	9.0	0	1.2	0	0.398	1	2.999	0	7.544	-1	2021	42	0.5
2414.6	10000	38.0290	94.5370	-1043	PM	3.4	1	8.9	0	1.2	0	0.382	1	2.910	0	7.614	-1	2002	37	0.5
2414.5	10000	38.0290	94.5363	-1044	PM	3.6	1	8.7	-1	1.1	0	0.416	1	3.181	0	7.646	-1	1986	44	0.5
2414.4	10000	38.0290	94.5355	-1045	PM	3.6	1	8.8	-1	1.1	0	0.408	1	3.182	0	7.798	-1	1970	39	0.5
2414.3	10000	38.0290	94.5348	-1047	PM	3.5	1	9.0	0	1.1	0	0.389	1	3.169	0	8.149	-1	1955	45	0.5
2414.2	10000	38.0290	94.5341	-1047	PM	3.1	0	9.4	0	1.1	0	0.330	0	2.822	0	8.563	0	1936	52	0.5
2414.1	10000	38.0290	94.5333	-1049	PM	3.4	0	9.6	0	1.1	0	0.339	0	3.034	0	8.948	0	1923	36	0.5
2414.0	10000	38.0290	94.5326	-1050	PM	3.6	0	9.4	0	1.1	0	0.340	0	3.364	0	8.887	0	1922	43	0.5
2413.9	10000	38.0290	94.5319	-1050	PM	3.6	0	9.6	0	1.1	0	0.325	0	3.486	0	9.738	0	1903	47	0.5
2413.8	10000	38.0290	94.5311	-1051	PM	3.4	0	9.3	0	1.1	0	0.299	0	3.226	0	9.772	0	1887	43	0.5
2413.7	10000	38.0290	94.5304	-1052	PM	3.4	0	9.4	0	1.1	0	0.293	0	3.062	0	9.452	0	1854	52	0.5
2413.6	10000	38.0290	94.5296	-1053	PM	3.4	0	9.4	0	1.1	0	0.274	0	2.897	0	9.569	0	1814	44	0.5
2413.5	10000	38.0289	94.5289	-1054	PM	3.4	0	9.4	0	1.1	0	0.304	0	2.999	0	9.859	0	1794	40	0.5
2413.4	10000	38.0289	94.5282	-1055	PM	3.4	0	9.4	0	1.1	0	0.305	0	2.947	0	9.676	0	1753	47	0.5
2413.3	10000	38.0289	94.5274	-1056	PM	3.4	0	9.4	0	1.1	0	0.324	0	2.896	0	9.933	0	1692	48	0.5
2413.2	10000	38.0289	94.5267	-1057	PM	3.4	0	9.4	0	1.1	0	0.336	0	2.854	0	9.505	0	1649	57	0.5
2413.1	10000	38.0289	94.5260	-1058	PM	3.4	0	9.4	0	1.1	0	0.310	0	2.595	0	9.376	0	1607	53	0.5
2413.0	10000	38.0289	94.5252	-1059	PM	3.4	0	9.4	0	1.1	0	0.339	0	2.696	0	9.773	0	1586	44	0.5
2412.9	10000	38.0289	94.5245	-1059	PM	3.4	0	9.4	0	1.1	0	0.335	0	2.934	0	9.644	0	1559	45	0.5
2412.8	10000	38.0289	94.5238	-1060	PM	3.4	0	9.4	0	1.1	0	0.325	0	2.905	0	9.666	0	1523	56	0.5
2412.7	10000	38.0289	94.5230	-1061	PM	3.4	0	9.4	0	1.1	0	0.297	0	2.773	0	9.527	0	1503	47	0.5
2412.6	10000	38.0289	94.5223	-1061	PM	3.4	0	9.4	0	1.1	0	0.288	0	2.648	0	9.912	0	1496	46	0.5
2412.5	10000	38.0288	94.5215	-1061	PM	3.4	0	9.4	0	1.1	0	0.282	0	2.594	0	9.011	0	1498	46	0.5
2412.4	10000	38.0288	94.5208	-1062	PM	3.4	0	9.4	0	1.1	0	0.253	0	2.037	0	9.153	0	1496	41	0.5
2412.3	10000	38.0288	94.5201	-1062	PM	3.4	0	9.4	0	1.1	0	0.357	0	3.176	0	9.985	0	1480	39	0.5
2412.2	10000	38.0288	94.5193	-1062	PM	3.4	0	9.4	0	1.1	0	0.333	0	3.396	0	9.515	0	1483	44	0.5
2412.1	10000	38.0288	94.5186	-1062	PM	3.4	0	9.4	0	1.1	0	0.340	0	3.406	0	10.232	0	1492	48	0.6
2412.0	10000	38.0288	94.5179	-1062	PM	3.6	0	9.4	0	1.1	0	0.340	0	3.508	0	10.323	0	1529	49	0.6

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2411.9	10000	38.0288	94.5171	-1062	PM	2.7	-1	7.7	-2	0.7	-2	0.345	0	3.639	1	10.551	1	1559	35	0.6
2411.8	10000	38.0288	94.5164	-1063	PM	2.8	-1	7.9	-1	0.7	-2	0.355	0	3.947	1	11.113	2	1566	42	0.6
2411.7	10000	38.0288	94.5157	-1063	PM	2.6	-1	8.0	-1	0.7	-2	0.319	-1	3.553	1	11.152	2	1591	45	0.6
2411.6	10000	38.0288	94.5149	-1062	PM	2.7	-1	8.0	-1	0.8	-2	0.342	0	3.574	1	10.463	1	1617	41	0.6
2411.5	10000	38.0287	94.5142	-1063	PM	2.5	-2	8.0	-1	0.8	-2	0.308	-1	3.049	0	9.903	1	1618	55	0.6
2411.4	10000	38.0287	94.5135	-1062	PM	2.3	-2	7.9	-1	0.8	-2	0.296	-1	2.815	0	9.504	0	1617	43	0.6
2411.3	10000	38.0287	94.5127	-1063	PM	2.4	-2	8.2	-1	0.8	-2	0.291	-1	2.848	0	9.774	1	1605	37	0.6
2411.2	10000	38.0287	94.5120	-1063	PM	2.5	-1	7.9	-1	0.9	-1	0.321	-1	2.965	0	9.246	0	1607	41	0.6
2411.1	10000	38.0287	94.5112	-1063	PM	2.4	-2	7.8	-2	0.9	-1	0.307	-1	2.738	-1	8.927	0	1617	47	0.6
2411.0	10000	38.0287	94.5105	-1063	PM	2.4	-2	7.6	-2	0.9	-1	0.321	-1	2.669	-1	8.320	0	1627	47	0.6
2410.9	10000	38.0287	94.5098	-1063	PM	2.4	-2	8.0	-1	0.9	-1	0.297	-1	2.639	-1	8.879	0	1640	45	0.6
2410.8	10000	38.0287	94.5090	-1063	PM	2.5	-1	8.1	-1	0.9	-1	0.313	-1	2.750	-1	8.793	0	1662	45	0.6
2410.7	10000	38.0287	94.5083	-1064	PM	2.7	-1	8.2	-1	0.9	-1	0.323	0	2.869	0	8.869	0	1677	39	0.6
2410.6	10000	38.0287	94.5076	-1064	PM	2.7	-1	8.0	-1	0.9	-1	0.340	0	2.883	0	8.469	0	1689	48	0.6
2410.5	10000	38.0286	94.5068	-1064	PM	2.6	-1	8.1	-1	1.0	-1	0.323	0	2.719	-1	8.417	0	1701	44	0.6
2410.4	10000	38.0286	94.5061	-1064	PM	2.7	-1	8.0	-1	1.0	-1	0.336	0	2.729	-1	8.128	-1	1712	51	0.6
2410.3	10000	38.0286	94.5054	-1064	PM	3.1	0	8.1	-1	1.0	-1	0.381	0	3.182	0	8.361	0	1721	60	0.6
2410.2	10000	38.0286	94.5046	-1064	PM	2.7	0	7.7	-2	1.0	-1	0.400	1	3.160	0	7.904	-1	1733	43	0.6
2410.1	10000	38.0286	94.5039	-1065	PM	2.3	0	7.7	-2	1.0	0	0.393	1	2.976	0	7.578	-1	1763	40	0.6
2410.0	10000	38.0286	94.5031	-1064	PM	3.2	0	7.4	-2	1.1	0	0.444	1	3.093	0	6.959	-1	1793	47	0.6
2409.9	10000	38.0286	94.5024	-1063	PM	2.2	0	7.7	-2	1.1	0	0.412	1	2.975	0	7.220	-1	1808	45	0.6
2409.8	10000	38.0286	94.5017	-1064	PM	2.1	0	7.8	-2	1.0	0	0.407	1	3.050	0	7.491	-1	1802	41	0.6
2409.7	10000	38.0286	94.5009	-1064	PM	1.9	0	7.9	-1	1.0	0	0.386	1	2.919	0	7.564	-1	1805	45	0.6
2409.6	10000	38.0286	94.5002	-1064	PM	2.1	-1	7.9	-1	1.1	0	0.364	0	2.710	-1	7.443	-1	1806	53	0.6
2409.5	10000	38.0286	94.4995	-1064	PM	1.8	-1	8.0	-1	1.1	0	0.355	0	2.563	-1	7.224	-1	1820	51	0.6
2409.4	10000	38.0285	94.4987	-1064	PM	1.7	-1	8.2	-1	1.1	0	0.324	0	2.484	-1	7.655	-1	1807	48	0.6
2409.3	10000	38.0285	94.4980	-1063	PM	1.5	-1	8.4	-1	1.1	0	0.304	-1	2.315	-1	7.617	-1	1815	42	0.6
2409.2	10000	38.0285	94.4973	-1063	PM	1.4	-2	8.0	-1	1.2	0	0.302	-1	2.162	-1	7.151	-1	1817	41	0.6
2409.1	10000	38.0285	94.4965	-1062	PM	1.6	-1	8.0	0	1.2	0	0.321	-1	2.172	-1	6.775	-2	1843	52	0.6
2409.0	10000	38.0285	94.4958	-1061	PM	1.5	-1	8.0	0	1.2	0	0.324	-1	2.103	-1	6.498	-2	1836	43	0.6
2408.9	10000	38.0285	94.4951	-1062	PM	1.5	-1	7.9	0	1.2	0	0.336	-1	2.176	-1	6.469	-2	1832	35	0.6
2408.8	10000	38.0285	94.4943	-1061	PM	1.5	-1	7.7	0	1.2	0	0.338	-1	2.167	-1	6.414	-2	1823	47	0.6
2408.7	10000	38.0285	94.4936	-1060	PM	1.5	-1	7.3	0	1.2	0	0.383	-1	2.297	-1	5.996	-2	1823	47	0.6
2408.6	10000	38.0285	94.4928	-1060	PM	1.5	-1	7.0	0	1.2	0	0.406	-1	2.364	-1	5.824	-2	1805	42	0.6
2408.5	10000	38.0285	94.4921	-1060	PM	1.5	-1	8.0	0	1.2	0	0.435	-1	2.465	-1	5.665	-2	1793	45	0.6
2408.4	10000	38.0284	94.4914	-1059	PM	1.5	-1	8.1	0	1.2	0	0.430	-1	2.428	-1	5.649	-2	1756	43	0.6
2408.3	10000	38.0284	94.4906	-1059	PM	1.5	-1	9.0	0	1.2	0	0.444	-1	2.729	-1	5.145	-2	1745	45	0.7
2408.2	10000	38.0284	94.4899	-1059	PM	1.5	-1	9.2	0	1.2	0	0.435	-1	2.648	-1	6.081	-2	1711	46	0.7
2408.1	10000	38.0284	94.4892	-1059	PM	1.5	-1	9.0	0	1.2	0	0.407	-1	2.536	-1	6.237	-2	1675	51	0.7
2408.0	10000	38.0284	94.4884	-1059	PM	1.5	-1	9.2	0	1.2	0	0.375	-1	2.537	-1	6.769	-1	1648	53	0.7
2407.9	10000	38.0284	94.4877	-1059	PM	1.5	-1	9.2	0	1.2	0	0.359	-1	2.628	-1	7.318	-1	1611	48	0.7
2407.8	10000	38.0284	94.4870	-1059	PM	1.5	-1	9.2	0	1.2	0	0.355	-1	2.612	-1	7.401	-1	1581	56	0.7
2407.7	10000	38.0284	94.4862	-1059	PM	1.5	-1	9.2	0	1.2	0	0.366	-1	2.808	-1	7.794	-1	1558	41	0.7
2407.6	10000	38.0284	94.4855	-1060	PM	1.5	-1	9.2	0	1.2	0	0.363	-1	2.814	-1	7.760	-1	1545	46	0.7
2407.5	10000	38.0284	94.4848	-1061	PM	1.5	-1	9.2	0	1.2	0	0.360	-1	2.085	-1	7.574	0	1567	36	0.7
2407.4	10000	38.0284	94.4840	-1061	PM	1.5	-1	9.2	0	1.2	0	0.393	-1	2.747	-1	7.542	0	1583	42	0.7
2407.3	10000	38.0284	94.4833	-1061	PM	1.5	-1	9.2	0	1.2	0	0.388	-1	2.732	-1	7.584	0	1593	40	0.7
2407.2	10000	38.0283	94.4825	-1062	PM	1.5	-1	9.2	0	1.2	0	0.420	-1	2.829	-1	7.124	0	1630	41	0.7
2407.1	10000	38.0283	94.4818	-1062	PM	1.5	-1	9.2	0	1.2	0	0.458	-1	2.850	-1	6.960	0	1674	48	0.7
2407.0	10000	38.0283	94.4811	-1063	PM	1.5	-1	9.2	0	1.2	0	0.458	-1	2.412	-1	6.878	0	1714	27	0.7
2406.9	10000	38.0283	94.4803	-1063	PM	1.5	-1	9.2	0	1.2	0	0.458	-1	2.214	-1	6.306	0	1760	44	0.7
2406.8	10000	38.0283	94.4796	-1065	PC	1.5	-1	9.2	0	1.2	0	0.458	-1	2.228	-1	6.016	0	1776	46	0.7

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2406.7	10000	38.0283	94.4789	-1066	PC	2.9	0	8.7	0	1.0	0	0.333	0	2.973	0	8.915	0	1789	46	0.7
2406.6	10000	38.0283	94.4782	-1067	PC	3.2	0	8.6	-1	1.0	-1	0.369	0	3.299	0	8.930	0	1795	47	0.7
2406.5	10000	38.0283	94.4775	-1068	PC	2.8	0	8.7	0	0.9	-1	0.326	0	3.079	0	9.432	0	1789	41	0.7
2406.4	10000	38.0282	94.4768	-1069	PC	2.8	0	8.9	0	0.9	-1	0.318	0	3.192	0	10.046	1	1774	45	0.7
2406.3	10000	38.0282	94.4761	-1070	PC	2.9	0	8.5	-1	0.9	-1	0.346	0	3.352	0	9.695	1	1760	32	0.7
2406.2	10000	38.0282	94.4754	-1072	PC	2.9	0	8.8	0	0.8	-1	0.330	0	3.503	1	10.611	1	1722	48	0.7
2406.1	10000	38.0282	94.4747	-1073	PC	2.6	-1	8.7	0	0.8	-1	0.298	-1	3.132	0	10.495	1	1695	58	0.7
2406.0	10000	38.0282	94.4740	-1074	PC	2.5	-1	8.7	0	0.8	-1	0.285	-1	2.946	0	10.327	1	1677	54	0.7
2405.9	10000	38.0281	94.4733	-1075	PC	2.3	-1	8.7	0	0.8	-1	0.268	-1	2.800	0	10.460	1	1667	52	0.7
2405.8	10000	38.0281	94.4726	-1076	PC	2.5	-1	8.7	0	0.9	-1	0.284	-1	2.869	0	10.084	1	1662	53	0.7
2405.7	10000	38.0281	94.4719	-1077	PC	2.4	-1	8.2	-1	0.9	-1	0.299	-1	2.802	0	9.385	0	1637	44	0.7
2405.6	10000	38.0281	94.4712	-1077	PC	2.6	-1	8.1	-1	0.8	-1	0.324	0	3.102	0	9.566	1	1641	44	0.7
2405.5	10000	38.0280	94.4705	-1079	PC	2.7	-1	7.6	-1	0.9	-1	0.350	0	3.038	0	8.679	0	1643	45	0.7
2405.4	10000	38.0280	94.4698	-1081	PC	2.9	0	7.5	-1	0.9	-1	0.383	0	3.198	0	8.340	0	1633	56	0.7
2405.3	10000	38.0280	94.4691	-1082	PC	2.9	0	7.4	-2	0.9	-1	0.393	1	3.359	0	8.544	0	1640	33	0.7
2405.2	10000	38.0280	94.4684	-1082	PC	2.9	0	7.6	-1	0.8	-1	0.384	0	3.443	1	8.957	0	1628	54	0.7
2405.1	10000	38.0280	94.4677	-1083	PC	2.7	-1	7.4	-2	0.8	-1	0.366	0	3.331	0	9.110	0	1606	46	0.7
2405.0	10000	38.0280	94.4670	-1084	PC	2.8	-1	7.7	-1	0.8	-1	0.362	0	3.572	1	9.871	1	1611	40	0.7
2404.9	10000	38.0279	94.4663	-1086	PC	2.6	-1	7.9	-1	0.8	-1	0.325	0	3.225	0	9.928	1	1600	45	0.7
2404.8	10000	38.0279	94.4656	-1087	PC	2.5	-1	8.5	-1	0.8	-1	0.293	-1	3.138	0	10.705	1	1597	49	0.7
2404.7	10000	38.0279	94.4649	-1088	PC	2.4	-1	8.3	-1	0.8	-1	0.290	-1	2.998	0	10.349	1	1604	52	0.7
2404.6	10000	38.0279	94.4642	-1089	PC	2.4	-1	7.9	-1	0.8	-1	0.301	-1	2.926	0	9.712	1	1589	61	0.7
2404.5	10000	38.0279	94.4635	-1089	PC	2.4	-1	7.6	-1	0.9	-1	0.312	0	2.774	0	8.896	1	1594	50	0.7
2404.4	10000	38.0278	94.4628	-1090	PC	2.5	-1	8.0	-1	0.9	-1	0.312	0	2.898	0	9.302	0	1613	52	0.7
2404.3	10000	38.0278	94.4621	-1090	PC	2.5	-1	7.8	-1	0.9	-1	0.320	0	2.809	0	8.770	0	1624	41	0.7
2404.2	10000	38.0278	94.4614	-1091	PC	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.902	0	8.919	0	1646	46	0.7
2404.1	10000	38.0278	94.4607	-1092	PC	2.6	-1	8.1	-1	0.9	-1	0.329	0	3.044	0	9.258	0	1658	46	0.7
2404.0	10000	38.0278	94.4600	-1093	PC	2.6	-1	8.2	-1	0.9	-1	0.317	0	3.054	0	9.632	1	1678	48	0.7
2403.9	10000	38.0277	94.4593	-1093	PM	2.6	-1	8.5	-1	0.9	-1	0.306	-1	3.003	0	9.810	1	1700	51	0.7
2403.8	10000	38.0277	94.4586	-1093	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	1748	40	0.7
2403.7	10000	38.0277	94.4579	-1094	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	1783	61	0.7
2403.6	10000	38.0277	94.4572	-1094	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	1828	54	0.7
2403.5	10000	38.0276	94.4565	-1094	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	1876	42	0.7
2403.4	10000	38.0276	94.4558	-1093	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	1932	43	0.7
2403.3	10000	38.0276	94.4551	-1093	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2003	44	0.7
2403.2	10000	38.0276	94.4544	-1093	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2054	59	0.7
2403.1	10000	38.0276	94.4537	-1093	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2086	41	0.7
2403.0	10000	38.0275	94.4530	-1092	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2113	36	0.7
2402.9	10000	38.0275	94.4523	-1092	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2146	44	0.7
2402.8	10000	38.0275	94.4516	-1092	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2142	46	0.7
2402.7	10000	38.0275	94.4509	-1091	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2158	47	0.7
2402.6	10000	38.0275	94.4502	-1091	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2161	45	0.7
2402.5	10000	38.0275	94.4495	-1090	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2179	51	0.7
2402.4	10000	38.0274	94.4489	-1090	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2187	45	0.7
2402.3	10000	38.0274	94.4482	-1089	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2203	48	0.7
2402.2	10000	38.0274	94.4474	-1088	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2204	42	0.7
2402.1	10000	38.0274	94.4467	-1087	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2213	60	0.7
2402.0	10000	38.0273	94.4461	-1086	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2200	61	0.7
2401.9	10000	38.0273	94.4454	-1085	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2167	51	0.7
2401.8	10000	38.0273	94.4447	-1086	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2140	43	0.7
2401.7	10000	38.0273	94.4440	-1086	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2116	56	0.7
2401.6	10000	38.0273	94.4433	-1085	PM	2.6	-1	8.0	-1	0.9	-1	0.325	0	2.889	0	8.885	0	2100	40	0.7

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2401.5	10000	38.0273	94.4426	-1085	PM	3.7	1	9.3	0	1.1	0	0.401	1	3.402	0	8.490	0	2066	48	0.7
2401.4	10000	38.0272	94.4419	-1084	PM	3.6	1	9.4	0	1.1	0	0.379	0	3.280	0	8.655	0	2043	64	0.6
2401.3	10000	38.0272	94.4412	-1084	PC	3.7	1	9.3	0	1.1	0	0.400	1	3.480	1	8.701	0	2020	42	0.6
2401.2	10000	38.0272	94.4405	-1083	PC	3.6	0	9.0	0	1.0	0	0.396	1	3.471	1	8.755	0	1996	44	0.6
2401.1	10000	38.0272	94.4398	-1082	PC	3.4	0	8.9	0	1.0	0	0.376	0	3.291	0	8.744	0	1965	41	0.6
2401.0	10000	38.0272	94.4391	-1082	PC	3.4	0	9.1	0	1.0	0	0.376	0	3.464	1	9.223	0	1942	47	0.6
2400.9	10000	38.0271	94.4384	-1081	PC	3.6	1	8.6	-1	1.0	0	0.420	1	3.735	1	8.902	0	1924	33	0.6
2400.8	10000	38.0271	94.4377	-1080	PC	3.7	1	8.3	-1	1.0	0	0.441	1	3.746	1	8.490	0	1936	46	0.6
2400.7	10000	38.0271	94.4370	-1080	PC	4.0	1	8.4	-1	1.0	0	0.475	2	3.960	1	8.335	0	1953	50	0.6
2400.6	10000	38.0271	94.4363	-1079	PC	4.0	1	8.4	-1	1.0	0	0.472	2	3.974	1	8.419	0	1952	69	0.6
2400.5	10000	38.0271	94.4356	-1077	PC	4.1	1	8.9	0	1.0	0	0.457	1	4.072	1	8.920	0	1955	58	0.6
2400.4	10000	38.0270	94.4349	-1077	PC	4.2	1	8.8	0	1.0	0	0.476	2	4.098	1	8.613	0	1952	52	0.6
2400.3	10000	38.0270	94.4342	-1076	PC	3.9	1	8.9	0	1.0	0	0.437	1	3.727	1	8.527	0	1944	48	0.6
2400.2	10000	38.0270	94.4335	-1075	PC	3.5	1	9.2	0	1.0	0	0.384	0	3.393	1	8.838	0	1926	42	0.6
2400.1	10000	38.0270	94.4328	-1074	PC	3.2	0	9.6	0	1.0	0	0.334	0	3.076	0	9.215	0	1878	34	0.6
2400.0	10000	38.0270	94.4321	-1073	PC	2.8	-1	9.2	0	1.0	0	0.303	-1	2.792	0	9.218	0	1829	37	0.6
2399.9	10000	38.0269	94.4314	-1072	PC	2.7	-1	9.4	0	1.0	0	0.293	-1	2.792	0	9.526	1	1791	35	0.6
2399.8	10000	38.0269	94.4307	-1071	PC	2.5	-1	8.5	-1	0.9	-1	0.295	-1	2.647	-1	8.980	0	1767	44	0.6
2399.7	10000	38.0269	94.4300	-1070	PC	2.5	-1	8.7	0	0.9	-1	0.293	-1	2.744	0	9.371	0	1742	43	0.6
2399.6	10000	38.0269	94.4293	-1070	PC	2.5	-1	8.2	-1	0.9	-1	0.307	-1	2.732	0	8.909	0	1710	59	0.6
2399.5	10000	38.0269	94.4286	-1069	PC	2.4	-1	8.1	-1	0.9	-1	0.301	-1	2.755	0	9.141	0	1673	51	0.6
2399.4	10000	38.0268	94.4279	-1069	PC	2.7	-1	7.7	-1	0.9	-1	0.348	0	3.142	0	9.019	0	1667	40	0.6
2399.3	10000	38.0268	94.4272	-1068	PC	2.9	-1	8.1	-1	0.8	-1	0.360	0	3.502	1	9.719	1	1658	41	0.6
2399.2	10000	38.0268	94.4265	-1068	PC	2.7	-1	7.9	-1	0.8	-1	0.346	0	3.308	0	9.566	1	1662	36	0.6
2399.1	10000	38.0268	94.4258	-1067	PC	3.0	0	8.5	-1	0.8	-1	0.355	0	3.690	1	10.386	1	1677	51	0.6
2399.0	10000	38.0268	94.4251	-1067	PC	3.1	0	8.5	-1	0.8	-1	0.362	1	3.884	1	10.719	1	1687	52	0.6
2398.9	10000	38.0267	94.4244	-1066	PC	3.3	0	8.8	-1	0.8	-1	0.377	2	4.409	2	11.701	2	1721	38	0.6
2398.8	10000	38.0267	94.4237	-1066	PC	3.3	0	8.8	-1	0.8	-1	0.373	2	4.468	2	11.994	2	1764	46	0.6
2398.7	10000	38.0267	94.4230	-1065	PC	3.3	0	8.9	-1	0.8	-1	0.366	2	4.444	2	12.156	2	1796	46	0.6
2398.6	10000	38.0267	94.4223	-1065	PC	3.3	0	8.9	-1	0.8	-1	0.313	2	3.635	2	11.620	2	1816	46	0.6
2398.5	10000	38.0267	94.4216	-1065	PC	3.3	0	8.9	-1	0.8	-1	0.326	2	3.706	2	11.349	2	1846	40	0.6
2398.4	10000	38.0266	94.4209	-1065	PC	3.3	0	8.9	-1	0.8	-1	0.334	2	3.539	2	11.588	2	1841	51	0.6
2398.3	10000	38.0266	94.4202	-1065	PC	3.3	0	8.9	-1	0.8	-1	0.333	2	3.438	2	11.331	2	1868	55	0.6
2398.2	10000	38.0266	94.4195	-1065	PC	3.3	0	8.9	-1	0.8	-1	0.318	2	3.209	2	11.108	2	1879	46	0.6
2398.1	10000	38.0266	94.4188	-1064	PM	3.3	0	8.9	-1	0.8	-1	0.327	2	3.202	2	11.785	2	1879	52	0.6
2398.0	10000	38.0266	94.4181	-1064	PM	3.3	0	8.9	-1	0.8	-1	0.347	2	3.224	2	11.296	2	1877	47	0.6
2397.9	10000	38.0265	94.4174	-1064	PM	3.3	0	8.9	-1	0.8	-1	0.391	2	3.586	2	11.179	2	1893	53	0.6
2397.8	10000	38.0265	94.4167	-1064	PM	3.3	0	8.9	-1	0.8	-1	0.408	2	3.842	2	11.413	2	1900	48	0.6
2397.7	10000	38.0265	94.4160	-1064	PM	3.3	0	8.9	-1	0.8	-1	0.404	2	3.942	2	11.749	2	1947	50	0.6
2397.6	10000	38.0265	94.4153	-1064	PM	3.3	0	8.9	-1	0.8	-1	0.411	2	3.919	2	11.538	2	1999	44	0.6
2397.5	10000	38.0265	94.4146	-1063	PM	3.3	0	8.9	-1	0.8	-1	0.461	2	4.164	2	12.041	2	2024	28	0.6
2397.4	10000	38.0264	94.4139	-1063	PM	3.3	0	8.9	-1	0.8	-1	0.493	2	4.217	2	12.563	2	2043	33	0.6
2397.3	10000	38.0264	94.4133	-1062	PM	3.3	0	8.9	-1	0.8	-1	0.462	2	4.215	2	12.689	2	2059	45	0.6
2397.2	10000	38.0264	94.4126	-1062	PM	3.3	0	8.9	-1	0.8	-1	0.466	2	4.038	2	12.659	2	2058	39	0.7
2397.1	10000	38.0264	94.4118	-1061	PM	3.3	0	8.9	-1	0.8	-1	0.443	2	3.775	2	12.530	2	2052	40	0.7
2397.0	10000	38.0264	94.4111	-1061	PM	3.3	0	8.9	-1	0.8	-1	0.432	2	3.570	2	12.269	2	2034	49	0.7
2396.9	10000	38.0263	94.4105	-1060	PM	3.3	0	8.9	-1	0.8	-1	0.418	2	3.362	2	12.039	2	1996	44	0.7
2396.8	10000	38.0263	94.4098	-1059	PM	3.3	0	8.9	-1	0.8	-1	0.399	2	3.168	2	11.942	2	1987	45	0.7
2396.7	10000	38.0263	94.4091	-1059	PM	3.3	0	8.9	-1	0.8	-1	0.371	2	3.116	2	11.405	2	1994	51	0.7
2396.6	10000	38.0263	94.4084	-1058	PM	3.3	0	8.9	-1	0.8	-1	0.381	2	3.428	2	11.400	2	1977	33	0.7
2396.5	10000	38.0262	94.4077	-1057	PM	3.3	0	8.9	-1	0.8	-1	0.379	2	3.503	2	11.238	2	1998	37	0.7
2396.4	10000	38.0262	94.4070	-1057	PM	3.3	0	8.9	-1	0.8	-1	0.393	2	3.691	2	11.393	2	2020	51	0.7

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2396.3	10000	38.0262	94.4063	-1056	PM	3.5	0	9.3	0	1.0	-1	0.379	0	3.611	1	9.525	0	2021	53	0.7
2396.2	10000	38.0262	94.4056	-1055	PM	3.6	1	9.8	0	1.0	0	0.370	0	3.581	1	9.678	1	2021	40	0.7
2396.1	10000	38.0262	94.4049	-1054	PM	3.4	0	9.9	0	1.0	-1	0.344	0	3.561	1	10.347	1	1997	40	0.7
2396.0	10000	38.0261	94.4042	-1054	PM	3.3	0	10.0	1	1.0	-1	0.328	0	3.378	0	10.296	1	1960	43	0.7
2395.9	10000	38.0261	94.4035	-1053	PM	3.2	0	9.5	0	1.0	0	0.342	0	3.233	0	9.448	0	1951	40	0.7
2395.8	10000	38.0261	94.4028	-1052	PM	3.0	0	9.3	0	1.0	-1	0.328	0	3.037	0	9.259	0	1898	47	0.7
2395.7	10000	38.0261	94.4021	-1052	PM	2.7	-1	9.0	0	1.0	-1	0.300	-1	2.757	-1	9.199	0	1853	43	0.7
2395.6	10000	38.0261	94.4014	-1051	PM	2.8	-1	9.4	0	1.0	0	0.294	-1	2.745	-1	9.338	0	1828	47	0.7
2395.5	10000	38.0260	94.4007	-1051	PC	2.9	0	9.3	0	0.9	-1	0.310	0	3.095	0	9.973	1	1800	45	0.7
2395.4	10000	38.0260	94.4000	-1050	PC	3.0	0	9.4	0	0.9	-1	0.322	0	3.322	0	10.301	1	1786	64	0.7
2395.3	10000	38.0260	94.3993	-1050	PC	3.2	0	9.0	0	0.9	-1	0.358	0	3.588	1	10.027	1	1784	30	0.7
2395.2	10000	38.0260	94.3986	-1050	PC	3.3	0	9.1	0	0.8	-1	0.336	0	3.597	1	10.690	1	1771	53	0.7
2395.1	10000	38.0260	94.3979	-1051	PC	3.5	0	8.9	0	0.8	-1	0.373	0	3.984	1	10.675	1	1777	37	0.7
2395.0	10000	38.0259	94.3972	-1051	PC	3.6	0	8.5	-1	0.8	-1	0.407	1	4.146	1	10.194	1	1779	50	0.7
2394.9	10000	38.0259	94.3965	-1051	PC	3.4	0	8.1	-1	0.8	-1	0.440	1	4.453	2	10.112	1	1777	47	0.7
2394.8	10000	38.0259	94.3958	-1052	PC	3.3	0	8.1	-1	0.9	-1	0.423	1	4.011	1	9.473	0	1783	57	0.7
2394.7	10000	38.0259	94.3951	-1053	PC	3.1	0	8.2	-1	0.9	-1	0.399	1	3.544	1	8.878	0	1778	38	0.7
2394.6	10000	38.0259	94.3944	-1054	PC	3.1	0	8.5	-1	0.9	-1	0.366	0	3.347	0	9.142	0	1789	54	0.7
2394.5	10000	38.0258	94.3937	-1055	PC	3.3	0	8.6	-1	0.9	-1	0.382	0	3.497	1	9.146	0	1799	40	0.7
2394.4	10000	38.0258	94.3930	-1057	PC	3.0	0	8.6	-1	0.9	-1	0.343	0	3.146	0	9.184	0	1802	46	0.7
2394.3	10000	38.0258	94.3923	-1059	PC	3.0	0	9.2	0	1.0	0	0.330	0	3.111	0	9.425	0	1817	50	0.7
2394.2	10000	38.0258	94.3916	-1061	PC	3.2	0	9.5	0	1.0	0	0.332	0	3.159	0	9.507	1	1829	38	0.7
2394.1	10000	38.0258	94.3909	-1063	PC	3.2	0	9.5	0	1.0	0	0.332	0	3.191	0	9.615	1	1831	58	0.7
2394.0	10000	38.0257	94.3902	-1065	PC	3.2	0	9.2	0	1.0	0	0.350	0	3.288	0	9.389	1	1857	47	0.7
2393.9	10000	38.0257	94.3895	-1068	PC	3.1	0	8.8	0	1.0	0	0.352	0	3.070	0	8.722	0	1869	52	0.7
2393.8	10000	38.0257	94.3888	-1071	PC	2.8	-1	9.2	0	1.0	-1	0.302	-1	2.645	-1	8.754	0	1886	45	0.7
2393.7	10000	38.0257	94.3881	-1074	PC	2.9	0	9.3	0	1.0	0	0.318	0	2.751	0	8.647	0	1906	43	0.7
2393.6	10000	38.0257	94.3874	-1077	PC	3.0	0	9.3	0	1.0	0	0.325	0	2.899	0	8.914	0	1914	45	0.7
2393.5	10000	38.0256	94.3867	-1081	PC	3.0	0	9.2	0	1.0	0	0.317	0	2.831	0	8.934	0	1903	42	0.7
2393.4	10000	38.0256	94.3860	-1085	PC	3.0	0	9.2	0	1.0	0	0.325	0	2.821	0	8.891	0	1896	51	0.7
2393.3	10000	38.0256	94.3853	-1088	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1864	44	0.7
2393.2	10000	38.0256	94.3846	-1089	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1826	41	0.7
2393.1	10000	38.0256	94.3839	-1093	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1786	50	0.8
2393.0	10000	38.0255	94.3832	-1100	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1754	44	0.8
2392.9	10000	38.0255	94.3825	-1104	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1740	38	0.8
2392.8	10000	38.0255	94.3818	-1108	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1740	40	0.8
2392.7	10000	38.0255	94.3811	-1111	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1743	33	0.8
2392.6	10000	38.0255	94.3804	-1115	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1753	57	0.8
2392.5	10000	38.0254	94.3797	-1118	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1764	39	0.8
2392.4	10000	38.0254	94.3790	-1122	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1770	43	0.8
2392.3	10000	38.0254	94.3783	-1126	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1773	41	0.8
2392.2	10000	38.0254	94.3777	-1129	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1747	45	0.8
2392.1	10000	38.0254	94.3770	-1132	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1712	54	0.8
2392.0	10000	38.0253	94.3763	-1136	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1680	48	0.8
2391.9	10000	38.0253	94.3755	-1139	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1663	53	0.8
2391.8	10000	38.0253	94.3749	-1142	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1655	50	0.8
2391.7	10000	38.0253	94.3742	-1145	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1659	55	0.8
2391.6	10000	38.0253	94.3735	-1148	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1655	38	0.8
2391.5	10000	38.0252	94.3728	-1150	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1659	37	0.8
2391.4	10000	38.0252	94.3721	-1153	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1657	54	0.8
2391.3	10000	38.0252	94.3714	-1155	PC	2.9	0	9.2	0	1.0	0	0.317	0	2.716	0	8.963	0	1653	52	0.8
2391.2	10000	38.0252	94.3707	-1158	PC	2.8	0	9.2	0	0.9	0	0.317	0	2.716	0	8.963	0	1636	29	0.8

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2391.1	10000	38.0252	94.3700	-1160	PC	2.6	-1	7.8	-1	0.8	-1	0.332	0	3.081	0	9.284	0	1610	46	0.8
2391.0	10000	38.0251	94.3693	-1161	PC	2.5	-1	7.6	-1	0.8	-1	0.323	0	2.894	0	8.959	0	1577	52	0.8
2390.9	10000	38.0251	94.3686	-1163	PC	2.2	-1	7.1	-2	0.8	-1	0.317	0	2.695	0	8.508	0	1553	49	0.8
2390.8	10000	38.0251	94.3679	-1165	PC	2.4	-1	6.7	-2	0.8	-1	0.363	0	2.915	0	8.032	0	1537	47	0.8
2390.7	10000	38.0251	94.3672	-1166	PC	2.5	-1	6.7	-2	0.8	-1	0.374	0	3.011	0	8.044	0	1552	42	0.8
2390.6	10000	38.0251	94.3664	-1168	PC	2.3	-1	7.1	-2	0.8	-1	0.324	0	2.861	0	8.830	0	1576	47	0.8
2390.5	10000	38.0251	94.3657	-1168	PC	2.4	-1	7.4	-1	0.8	-1	0.329	0	3.094	0	9.400	0	1603	53	0.8
2390.4	10000	38.0251	94.3650	-1169	PC	2.5	-1	7.4	-2	0.8	-1	0.346	0	3.194	0	9.243	0	1631	43	0.8
2390.3	10000	38.0250	94.3643	-1169	PC	2.5	-1	8.0	-1	0.8	-1	0.308	-1	3.133	0	10.183	1	1668	43	0.8
2390.2	10000	38.0250	94.3635	-1170	PC	2.6	-1	8.7	0	0.8	-1	0.300	-1	3.474	1	11.564	2	1701	57	0.8
2390.1	10000	38.0250	94.3628	-1170	PC	2.5	-1	9.3	0	0.8	-1	0.270	-1	3.329	0	12.342	2	1729	47	0.8
2390.0	10000	38.0250	94.3621	-1170	PC	2.3	-1	9.5	0	0.8	-1	0.245	-1	3.109	0	12.689	3	1743	46	0.8
2389.9	10000	38.0250	94.3614	-1171	PC	2.7	-1	9.1	0	0.7	-1	0.295	-1	3.650	1	12.368	2	1745	44	0.8
2389.8	10000	38.0250	94.3606	-1172	PC	2.8	0	9.3	0	0.8	-1	0.304	-1	3.653	1	12.016	2	1748	57	0.8
2389.7	10000	38.0250	94.3599	-1172	PC	2.8	0	9.4	0	0.7	-1	0.301	-1	3.864	1	12.849	3	1751	49	0.8
2389.6	10000	38.0250	94.3592	-1171	PC	3.0	0	9.2	0	0.7	-2	0.325	0	4.135	1	12.712	3	1754	38	0.8
2389.5	10000	38.0250	94.3585	-1172	PC	2.9	0	9.0	0	0.8	-1	0.319	0	3.746	1	11.733	2	1744	36	0.8
2389.4	10000	38.0250	94.3577	-1171	PC	2.9	0	8.6	0	0.8	-1	0.337	0	3.769	1	11.196	2	1729	48	0.8
2389.3	10000	38.0250	94.3570	-1171	PC	3.2	0	8.3	-1	0.8	-1	0.384	0	4.120	1	10.730	1	1722	46	0.8
2389.2	10000	38.0250	94.3563	-1170	PC	3.0	0	8.6	-1	0.8	-1	0.352	0	3.776	1	10.739	1	1712	47	0.8
2389.1	10000	38.0249	94.3556	-1170	PC	2.6	-1	8.7	0	0.8	-1	0.298	-1	3.444	1	11.540	2	1687	41	0.8
2389.0	10000	38.0249	94.3548	-1169	PC	2.7	-1	8.7	0	0.8	-1	0.316	0	3.495	1	11.069	2	1675	44	0.8
2388.9	10000	38.0249	94.3541	-1168	PC	2.7	-1	8.8	0	0.8	-1	0.309	0	3.376	1	10.930	1	1663	43	0.8
2388.8	10000	38.0249	94.3534	-1169	PC	2.7	-1	8.5	-1	0.8	-1	0.317	0	3.315	0	10.459	1	1658	50	0.8
2388.7	10000	38.0249	94.3527	-1170	PC	2.8	-1	8.8	0	0.9	-1	0.314	0	3.233	0	10.296	1	1681	42	0.8
2388.6	10000	38.0249	94.3520	-1169	PC	2.8	-1	9.0	0	0.9	-1	0.311	0	3.237	0	10.423	1	1700	26	0.8
2388.5	10000	38.0249	94.3512	-1169	PC	2.8	-1	8.8	0	0.9	-1	0.315	0	2.952	0	9.372	0	1751	43	0.8
2388.4	10000	38.0249	94.3505	-1169	PC	3.2	0	8.2	-1	1.1	0	0.388	0	3.008	0	7.747	-1	1827	44	0.8
2388.3	10000	38.0249	94.3498	-1169	PC	3.2	0	8.4	-1	1.2	0	0.359	-1	2.579	-1	7.187	-1	1886	54	0.8
2388.2	10000	38.0249	94.3491	-1169	PC	3.0	0	8.2	-1	1.3	0	0.359	-1	2.579	-1	6.496	-2	1932	53	0.8
2388.1	10000	38.0249	94.3483	-1169	PC	2.8	-1	8.0	-1	1.4	0	0.339	-1	2.200	-1	6.234	-2	1992	45	0.8
2388.0	10000	38.0249	94.3476	-1168	PC	2.8	-1	7.8	-1	1.5	0	0.337	-1	2.098	-1	5.898	-2	1998	45	0.8
2387.9	10000	38.0248	94.3469	-1168	PC	2.7	-1	7.5	-1	1.4	0	0.344	-1	2.032	-1	5.583	-2	1991	41	0.8
2387.8	10000	38.0248	94.3462	-1168	PC	2.7	-1	7.4	-1	1.4	0	0.332	-1	1.854	-1	5.754	-2	1963	60	0.8
2387.7	10000	38.0248	94.3454	-1168	PC	2.5	-1	7.3	-1	1.3	0	0.323	-1	1.856	-1	5.754	-2	1918	44	0.8
2387.6	10000	38.0248	94.3447	-1168	PC	2.6	-1	7.2	-1	1.3	0	0.303	-1	1.821	-1	6.000	-2	1904	40	0.8
2387.5	10000	38.0248	94.3440	-1168	PC	2.7	-1	7.2	-1	1.3	0	0.308	-1	1.898	-1	6.171	-2	1889	61	0.8
2387.4	10000	38.0248	94.3433	-1168	PC	2.6	-1	7.1	-1	1.3	0	0.315	-1	1.835	-1	6.465	-2	1857	40	0.8
2387.3	10000	38.0248	94.3425	-1168	PC	2.6	-1	7.0	-1	1.3	0	0.304	-1	1.925	-1	6.985	-1	1849	43	0.8
2387.2	10000	38.0248	94.3418	-1168	PC	2.8	-1	7.1	-1	1.3	0	0.297	-1	2.274	-1	7.667	-1	1855	46	0.8
2387.1	10000	38.0248	94.3411	-1167	PC	2.8	-1	7.1	-1	1.3	0	0.319	-1	2.514	-1	7.880	-1	1853	49	0.8
2387.0	10000	38.0248	94.3404	-1167	PC	2.8	-1	7.1	-1	1.3	0	0.306	-1	2.509	-1	7.187	-1	1847	50	0.8
2386.9	10000	38.0248	94.3396	-1166	PC	2.8	-1	7.1	-1	1.3	0	0.299	-1	2.590	-1	7.654	-1	1824	50	0.8
2386.8	10000	38.0248	94.3389	-1165	PC	2.8	-1	7.1	-1	1.3	0	0.298	-1	2.752	-1	8.250	-1	1800	46	0.8
2386.7	10000	38.0247	94.3382	-1164	PC	2.8	-1	7.1	-1	1.3	0	0.320	-1	2.753	-1	8.550	-1	1781	46	0.8
2386.6	10000	38.0247	94.3375	-1163	PC	2.8	-1	7.1	-1	1.3	0	0.302	-1	2.805	-1	9.185	0	1769	36	0.8
2386.5	10000	38.0247	94.3367	-1162	PC	2.8	-1	7.1	-1	1.3	0	0.295	-1	2.768	-1	9.075	0	1757	46	0.8
2386.4	10000	38.0247	94.3360	-1160	PC	2.8	-1	7.1	-1	1.3	0	0.269	-1	2.935	-1	10.273	0	1743	61	0.8
2386.3	10000	38.0247	94.3353	-1158	PC	2.8	-1	7.1	-1	1.3	0	0.288	-1	2.935	-1	10.195	0	1746	40	0.8
2386.2	10000	38.0247	94.3346	-1157	PC	2.8	-1	7.1	-1	1.3	0	0.288	-1	2.970	-1	10.189	0	1736	44	0.8
2386.1	10000	38.0247	94.3339	-1156	PC	2.8	-1	7.1	-1	1.3	0	0.292	-1	2.985	-1	10.170	0	1739	44	0.8
2386.0	10000	38.0247	94.3331	-1155	PC	2.8	-1	7.1	-1	1.3	0	0.276	-1	3.005	-1	10.825	0	1742	51	0.8
												0.271				11.082	2		40	0.8

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2385.9	10000	38.0247	94.3324	-1154	PC	2.6	-1	9.0	0	0.8	-1	0.282	-1	3.263	0	11.560	2	1734	43	0.8
2385.8	10000	38.0247	94.3317	-1153	PC	2.6	-1	9.5	0	0.8	-1	0.275	-1	3.428	1	12.476	3	1737	50	0.8
2385.7	10000	38.0247	94.3310	-1152	PC	2.4	-1	10.1	1	0.8	-1	0.240	-1	3.214	0	13.371	3	1753	56	0.8
2385.6	10000	38.0247	94.3302	-1151	PC	2.5	-1	10.3	1	0.7	-2	0.242	-1	3.440	1	14.190	4	1756	41	0.8
2385.5	10000	38.0246	94.3295	-1150	PC	2.4	-1	10.5	1	0.7	-2	0.228	-1	3.291	0	14.449	4	1782	54	0.8
2385.4	10000	38.0246	94.3288	-1149	PC	2.7	-1	10.8	1	0.8	-1	0.246	-1	3.334	0	13.526	3	1803	59	0.8
2385.3	10000	38.0246	94.3281	-1148	PC	2.8	-1	10.3	1	0.8	-1	0.268	-1	3.438	1	12.814	3	1820	47	0.8
2385.2	10000	38.0246	94.3273	-1147	PC	2.9	0	10.6	1	0.8	-1	0.272	-1	3.424	1	12.581	3	1855	47	0.8
2385.1	10000	38.0246	94.3266	-1146	PC	2.8	0	10.3	1	0.9	-1	0.274	-1	3.106	0	11.338	2	1878	50	0.8
2385.0	10000	38.0246	94.3259	-1145	PC	3.0	0	9.9	1	0.9	-1	0.301	-1	3.196	0	10.634	1	1895	61	0.8
2384.9	10000	38.0246	94.3252	-1144	PC	3.0	0	10.0	1	1.0	0	0.297	-1	2.906	0	9.793	1	1920	51	0.8
2384.8	10000	38.0246	94.3244	-1144	PC	3.0	0	10.0	1	1.1	0	0.302	-1	2.837	0	9.407	0	1927	57	0.8
2384.7	10000	38.0246	94.3237	-1143	PC	2.7	-1	9.6	0	1.1	0	0.281	-1	2.538	-1	9.035	0	1936	40	0.8
2384.6	10000	38.0246	94.3230	-1143	PC	2.9	0	10.1	1	1.1	0	0.292	-1	2.620	-1	8.965	0	1947	61	0.8
2384.5	10000	38.0246	94.3223	-1142	PC	2.8	-1	10.1	1	1.2	0	0.272	-1	2.331	-1	8.576	0	1965	54	0.8
2384.4	10000	38.0246	94.3215	-1141	PC	2.5	-1	10.5	1	1.2	0	0.242	-1	2.133	-1	8.809	0	1972	44	0.8
2384.3	10000	38.0245	94.3208	-1141	PC	2.5	-1	10.7	1	1.2	1	0.232	-1	2.029	-1	8.735	0	1984	38	0.8
2384.2	10000	38.0245	94.3201	-1140	PC	2.4	-1	10.6	1	1.2	0	0.226	-1	2.007	-1	8.873	0	1987	44	0.8
2384.1	10000	38.0245	94.3194	-1140	PC	2.4	-1	10.7	1	1.2	1	0.221	-2	1.932	-1	8.759	0	1995	59	0.8
2384.0	10000	38.0245	94.3187	-1139	PC	2.3	-1	11.1	2	1.2	1	0.206	-2	1.870	-2	9.078	0	1992	39	0.8
2383.9	10000	38.0245	94.3179	-1139	PC	2.0	-2	11.0	1	1.2	1	0.179	-2	1.599	-2	8.935	0	1987	53	0.7
2383.8	10000	38.0245	94.3172	-1138	PC	1.9	-2	10.5	1	1.2	1	0.182	-2	1.543	-2	8.475	0	1978	44	0.7
2383.7	10000	38.0245	94.3165	-1137	PC	2.1	-1	10.3	1	1.3	1	0.208	-2	1.705	-2	8.190	0	1976	40	0.7
2383.6	10000	38.0245	94.3158	-1136	PC	2.2	-1	10.4	1	1.3	1	0.213	-2	1.723	-2	8.073	0	1963	45	0.7
2383.5	10000	38.0245	94.3150	-1136	PC	2.2	-1	10.8	1	1.4	1	0.199	-2	1.589	-2	7.967	-1	1986	49	0.7
2383.4	10000	38.0245	94.3143	-1134	PC	2.3	-1	10.8	1	1.4	1	0.210	-2	1.593	-2	7.601	-1	1999	54	0.7
2383.3	10000	38.0245	94.3136	-1133	PC	2.4	-1	10.4	1	1.4	1	0.225	-2	1.645	-2	7.315	-1	2016	37	0.7
2383.2	10000	38.0244	94.3129	-1133	PC	2.5	-1	10.7	1	1.5	1	0.223	-2	1.624	-2	7.295	-1	2060	53	0.7
2383.1	10000	38.0244	94.3121	-1132	PC	2.8	-1	10.8	1	1.5	1	0.234	-2	1.659	-2	7.080	-1	2076	52	0.7
2383.0	10000	38.0244	94.3114	-1131	PC	2.6	-1	10.4	1	1.5	1	0.256	-1	1.873	-2	7.312	-1	2101	48	0.7
2382.9	10000	38.0244	94.3107	-1130	PC	2.7	-1	10.6	1	1.5	1	0.248	-1	1.814	-2	7.321	-1	2118	49	0.7
2382.8	10000	38.0244	94.3100	-1128	PC	2.8	-1	10.8	1	1.5	1	0.260	-1	1.900	-2	7.302	-1	2101	55	0.7
2382.7	10000	38.0244	94.3092	-1127	PC	2.9	-1	10.7	1	1.5	1	0.272	-1	2.074	-1	7.640	-1	2071	46	0.7
2382.6	10000	38.0244	94.3085	-1122	PC	2.8	-1	10.4	1	1.5	1	0.277	-1	2.207	-1	7.966	-1	2049	38	0.7
2382.5	10000	38.0244	94.3078	-1112	PC	2.9	0	10.2	1	1.5	1	0.293	-1	2.421	-1	8.271	0	2023	48	0.7
2382.4	10000	38.0244	94.3071	-1104	PC	3.0	0	10.6	1	1.5	1	0.301	-1	2.674	-1	8.873	0	2019	46	0.7
2382.3	10000	38.0244	94.3064	-1110	PC	3.0	0	10.3	1	1.5	1	0.297	-1	2.526	-1	8.496	0	2002	47	0.7
2382.2	10000	38.0244	94.3056	-1117	PC	3.0	0	10.0	1	1.5	1	0.298	-1	2.541	-1	8.538	0	2008	49	0.7
2382.1	10000	38.0244	94.3049	-1119	PC	3.0	0	10.2	1	1.5	1	0.284	-1	2.475	-1	8.724	0	2025	46	0.7
2382.0	10000	38.0243	94.3042	-1118	PC	3.0	0	10.2	1	1.5	1	0.284	-1	2.485	-1	8.752	0	2067	39	0.7
2381.9	10000	38.0243	94.3035	-1117	PC	3.0	0	10.1	1	1.5	1	0.301	-1	2.576	-1	8.561	0	2110	51	0.7
2381.8	10000	38.0243	94.3027	-1116	PC	3.0	0	10.0	1	1.5	1	0.301	-1	2.520	-1	8.377	0	2127	45	0.7
2381.7	10000	38.0243	94.3020	-1114	PC	3.0	0	10.0	1	1.5	1	0.285	-1	2.353	-1	8.246	0	2141	49	0.7
2381.6	10000	38.0243	94.3013	-1112	PC	3.0	0	10.0	1	1.5	1	0.266	-1	2.224	-1	8.359	0	2176	39	0.7
2381.5	10000	38.0243	94.3006	-1111	PC	3.0	0	10.0	1	1.5	1	0.255	-1	2.095	-1	8.378	0	2181	46	0.7
2381.4	10000	38.0243	94.2998	-1110	PC	3.0	0	10.0	1	1.5	1	0.275	-1	2.237	-1	8.141	0	2197	48	0.7
2381.3	10000	38.0243	94.2991	-1109	PC	3.0	0	10.0	1	1.5	1	0.275	-1	2.099	-1	7.644	-1	2184	50	0.7
2381.2	10000	38.0243	94.2984	-1108	PC	3.0	0	10.0	1	1.5	1	0.250	-1	1.869	-2	7.462	-1	2175	51	0.7
2381.1	10000	38.0243	94.2977	-1107	PC	3.0	0	10.0	1	1.5	1	0.240	-1	1.690	-2	7.044	-1	2180	44	0.7
2381.0	10000	38.0243	94.2969	-1106	PC	3.0	0	10.0	1	1.5	1	0.240	-1	1.658	-2	6.919	-1	2167	48	0.7
2380.9	10000	38.0243	94.2962	-1106	PC	3.0	0	10.0	1	1.5	1	0.266	-1	1.799	-2	6.756	-1	2145	48	0.7
2380.8	10000	38.0242	94.2955	-1105	PC	2.9	0	9.6	0	1.5	1	0.306	-1	1.967	-1	6.435	-2	2125	56	0.7

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2380.7	10000	38.0242	94.2948	-1104	PC	2.9	0	9.4	0	1.5	2	0.305	-1	1.953	-1	6.406	-2	2100	47	0.7
2380.6	10000	38.0242	94.2941	-1103	PC	2.9	0	9.5	0	1.4	1	0.308	0	2.062	-1	6.689	-1	2096	44	0.7
2380.5	10000	38.0242	94.2933	-1103	PC	2.9	0	9.4	0	1.4	1	0.305	-1	2.021	-1	6.628	-1	2104	54	0.7
2380.4	10000	38.0242	94.2926	-1102	PC	2.9	0	9.6	0	1.3	1	0.298	-1	2.131	-1	7.145	-1	2100	43	0.7
2380.3	10000	38.0242	94.2919	-1102	PC	2.9	0	9.9	1	1.3	1	0.298	-1	2.175	-1	7.308	-1	2111	36	0.7
2380.2	10000	38.0242	94.2912	-1101	PC	3.0	0	10.5	1	1.3	1	0.288	-1	2.257	-1	7.835	-1	2115	50	0.7
2380.1	10000	38.0242	94.2904	-1100	PC	3.0	0	11.1	2	1.3	1	0.272	-1	2.349	-1	8.646	0	2133	47	0.7
2380.0	10000	38.0242	94.2897	-1100	PC	2.8	0	11.1	2	1.3	1	0.253	-1	2.153	-1	8.520	0	2151	51	0.7
2379.9	10000	38.0242	94.2890	-1099	PC	2.7	-1	11.1	2	1.3	1	0.243	-1	2.013	-1	8.287	0	2161	47	0.7
2379.8	10000	38.0241	94.2883	-1098	PC	2.8	-1	11.3	2	1.3	1	0.244	-1	2.092	-1	8.559	0	2151	51	0.7
2379.7	10000	38.0241	94.2875	-1097	PC	2.7	-1	11.3	2	1.3	1	0.237	-1	1.997	-1	8.423	0	2131	56	0.7
2379.6	10000	38.0241	94.2868	-1096	PC	2.6	-1	11.5	2	1.4	1	0.225	-2	1.910	-1	8.498	0	2109	45	0.7
2379.5	10000	38.0241	94.2861	-1095	PC	2.3	-1	11.1	2	1.3	1	0.211	-2	1.741	-2	8.251	0	2073	45	0.7
2379.4	10000	38.0241	94.2854	-1094	PC	2.2	-1	10.4	1	1.4	1	0.210	-2	1.587	-2	7.551	-1	2033	40	0.7
2379.3	10000	38.0241	94.2846	-1093	PC	2.4	-1	9.9	1	1.4	1	0.241	-1	1.771	-2	7.338	-1	1984	54	0.7
2379.2	10000	38.0241	94.2839	-1092	PC	2.5	-1	10.2	1	1.3	1	0.244	-1	1.857	-2	7.601	-1	1977	36	0.7
2379.1	10000	38.0241	94.2832	-1090	PC	2.3	-1	10.2	1	1.3	1	0.224	-2	1.723	-2	7.700	-1	1947	46	0.7
2379.0	10000	38.0241	94.2824	-1089	PC	2.4	-1	10.1	1	1.3	1	0.236	-1	1.785	-2	7.566	-1	1951	62	0.7
2378.9	10000	38.0241	94.2817	-1087	PC	2.7	-1	9.8	0	1.3	1	0.273	-1	2.033	-1	7.448	-1	1964	34	0.7
2378.8	10000	38.0241	94.2809	-1087	PC	2.7	-1	10.0	1	1.4	1	0.273	-1	1.992	-1	7.284	-1	2007	50	0.7
2378.7	10000	38.0241	94.2802	-1085	PC	2.6	-1	10.4	1	1.4	1	0.249	-1	1.852	-2	7.436	-1	2044	49	0.7
2378.6	10000	38.0241	94.2794	-1084	PC	2.6	-1	10.8	1	1.4	1	0.238	-1	1.805	-2	7.582	-1	2096	55	0.7
2378.5	10000	38.0241	94.2787	-1083	PC	2.4	-1	10.6	1	1.4	1	0.230	-1	1.721	-2	7.489	-1	2116	42	0.7
2378.4	10000	38.0241	94.2780	-1082	PC	2.8	-1	10.3	1	1.4	1	0.272	-1	1.986	-1	7.301	-1	2140	44	0.7
2378.3	10000	38.0241	94.2772	-1081	PC	3.0	0	10.4	1	1.4	1	0.285	-1	2.079	-1	7.305	-1	2167	46	0.7
2378.2	10000	38.0241	94.2765	-1079	PC	2.6	-1	10.6	1	1.4	2	0.246	-1	1.807	-2	7.340	-1	2158	40	0.7
2378.1	10000	38.0241	94.2757	-1078	PC	2.8	-1	10.3	1	1.4	1	0.268	-1	1.933	-1	7.212	-1	2164	55	0.7
2378.0	10000	38.0241	94.2750	-1077	PC	3.0	0	10.0	1	1.4	2	0.304	-1	2.105	-1	6.935	-1	2165	43	0.7
2377.9	10000	38.0241	94.2742	-1076	PC	3.0	0	10.4	1	1.4	1	0.287	-1	2.078	-1	7.245	-1	2152	39	0.7
2377.8	10000	38.0241	94.2735	-1075	PC	2.9	0	10.1	1	1.4	2	0.289	-1	2.013	-1	6.976	-1	2119	35	0.7
2377.7	10000	38.0241	94.2727	-1074	PC	2.7	-1	10.1	1	1.5	1	0.268	-1	1.858	-2	6.929	-1	2112	50	0.7
2377.6	10000	38.0241	94.2720	-1073	PC	2.5	-1	10.2	1	1.4	1	0.254	-1	1.799	-2	7.087	-1	2079	57	0.7
2377.5	10000	38.0241	94.2712	-1073	PC	2.7	-1	10.5	1	1.4	1	0.270	-1	1.926	-1	7.124	-1	2091	52	0.7
2377.4	10000	38.0241	94.2705	-1072	PC	2.6	-1	10.9	1	1.4	1	0.248	-1	1.875	-2	7.550	-1	2071	42	0.7
2377.3	10000	38.0241	94.2697	-1071	PC	2.5	-1	10.7	1	1.4	1	0.228	-1	1.806	-2	7.937	-1	2069	48	0.7
2377.2	10000	38.0241	94.2690	-1071	PC	2.5	-1	11.3	1	1.4	1	0.236	-1	1.900	-1	8.045	0	2061	43	0.7
2377.1	10000	38.0241	94.2682	-1070	PC	2.6	-1	11.4	1	1.4	1	0.232	-1	1.975	-1	8.529	0	2084	51	0.7
2377.0	10000	38.0241	94.2675	-1070	PC	2.6	-1	11.5	1	1.4	1	0.225	-2	1.899	-1	8.443	0	2095	35	0.7
2376.9	10000	38.0241	94.2667	-1068	PC	2.4	-1	11.4	1	1.4	1	0.207	-2	1.746	-2	8.419	0	2098	40	0.7
2376.8	10000	38.0241	94.2660	-1067	PC	2.4	-1	11.4	1	1.3	1	0.209	-2	1.808	-2	8.656	0	2093	41	0.7
2376.7	10000	38.0241	94.2652	-1067	PC	2.5	-1	11.4	1	1.3	1	0.224	-2	1.905	-1	8.509	0	2089	46	0.7
2376.6	10000	38.0242	94.2645	-1066	PC	2.7	-1	11.4	1	1.3	1	0.247	-1	2.127	-1	8.626	0	2080	51	0.7
2376.5	10000	38.0241	94.2637	-1065	PC	2.5	-1	11.4	1	1.3	1	0.241	-1	1.957	-1	8.111	0	2063	62	0.7
2376.4	10000	38.0241	94.2630	-1064	PC	2.5	-1	10.9	1	1.3	1	0.242	-1	1.980	-1	8.168	0	2035	40	0.7
2376.3	10000	38.0242	94.2622	-1063	PC	2.4	-1	10.5	1	1.3	1	0.236	-1	1.971	-1	8.345	0	1999	46	0.7
2376.2	10000	38.0242	94.2615	-1061	PC	2.6	-1	10.0	1	1.3	1	0.257	-1	2.128	-1	8.294	0	1985	42	0.7
2376.1	10000	38.0242	94.2607	-1059	PC	2.4	-1	9.9	1	1.3	1	0.245	-1	1.947	-1	7.957	-1	1960	39	0.7
2376.0	10000	38.0242	94.2600	-1058	PC	2.3	-1	10.1	1	1.3	1	0.223	-2	1.719	-2	7.696	-1	1945	41	0.7
2375.9	10000	38.0242	94.2592	-1056	PC	2.1	-1	9.9	1	1.3	1	0.207	-2	1.572	-2	7.612	-1	1928	49	0.7
2375.8	10000	38.0242	94.2585	-1054	PC	2.1	-1	10.1	1	1.3	1	0.208	-2	1.691	-2	8.082	-1	1934	41	0.8
2375.7	10000	38.0242	94.2578	-1053	PC	2.1	-1	10.1	1	1.3	1	0.208	-2	1.662	-2	7.978	-1	1939	53	0.8
2375.6	10000	38.0242	94.2570	-1051	PC	2.2	-1	10.2	1	1.3	1	0.218	-2	1.751	-2	8.021	0	1959	48	0.8

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2375.5	10000	38.0242	94.2563	-1049	PC	2.3	-1	10.3	1	1.3	1	0.221	-2	1.738	-2	7.858	-1	1983	54	0.8
2375.4	10000	38.0242	94.2555	-1047	PC	2.4	-1	10.5	1	1.2	1	0.231	-1	1.942	-1	8.402	0	1999	35	0.8
2375.3	10000	38.0242	94.2548	-1045	PC	2.5	-1	10.6	1	1.2	0	0.239	-1	2.105	-1	8.824	0	2015	48	0.8
2375.2	10000	38.0242	94.2540	-1043	PC	2.5	-1	10.5	1	1.2	1	0.236	-1	2.024	-1	8.575	0	2027	39	0.8
2375.1	10000	38.0242	94.2533	-1041	PC	2.6	-1	10.3	1	1.3	1	0.250	-1	2.007	-1	8.030	0	2024	51	0.8
2375.0	10000	38.0242	94.2525	-1038	PC	2.8	-1	9.9	1	1.3	1	0.281	-1	2.172	-1	7.718	-1	2015	51	0.8
2374.9	10000	38.0242	94.2518	-1035	PC	3.0	0	9.6	1	1.3	1	0.313	0	2.308	-1	7.376	-1	2014	37	0.8
2374.8	10000	38.0242	94.2510	-1032	PC	2.9	0	9.6	0	1.3	1	0.304	-1	2.275	-1	7.477	-1	2010	48	0.8
2374.7	10000	38.0242	94.2503	-1029	PC	2.8	-1	9.4	0	1.3	1	0.295	-1	2.052	-1	6.968	-1	2020	43	0.8
2374.6	10000	38.0242	94.2495	-1026	PC	2.9	0	9.2	0	1.4	1	0.313	0	2.087	-1	6.676	-1	2026	49	0.8
2374.5	10000	38.0242	94.2488	-1022	PC	3.1	0	9.5	0	1.4	1	0.330	0	2.295	-1	6.945	-1	2042	45	0.8
2374.4	10000	38.0242	94.2480	-1019	PC	3.0	0	9.9	1	1.3	1	0.301	-1	2.267	-1	7.542	-1	2060	50	0.8
2374.3	10000	38.0242	94.2473	-1016	PC	2.8	-1	10.2	1	1.3	1	0.274	-1	2.116	-1	7.735	-1	2092	54	0.8
2374.2	10000	38.0242	94.2465	-1012	PC	3.0	0	10.4	1	1.3	1	0.285	-1	2.225	-1	7.814	-1	2106	41	0.8
2374.1	10000	38.0242	94.2458	-1007	PC	3.1	0	10.4	1	1.3	1	0.297	-1	2.345	-1	7.901	-1	2106	32	0.8
2374.0	10000	38.0242	94.2450	-1003	PC	3.2	0	10.2	1	1.3	1	0.312	0	2.429	-1	7.791	-1	2107	44	0.8
2373.9	10000	38.0242	94.2443	-998	PC	3.1	0	10.3	1	1.3	1	0.301	-1	2.458	-1	8.156	0	2099	46	0.8
2373.8	10000	38.0242	94.2435	-993	PC	2.9	0	10.0	1	1.3	1	0.285	-1	2.275	-1	7.972	-1	2085	41	0.8
2373.7	10000	38.0242	94.2428	-987	PC	3.1	0	9.8	1	1.3	1	0.316	0	2.390	-1	7.554	-1	2082	46	0.8
2373.6	10000	38.0242	94.2420	-982	PC	3.2	0	9.6	1	1.3	1	0.327	0	2.462	-1	7.533	-1	2051	39	0.8
2373.5	10000	38.0242	94.2413	-977	PC	2.6	-1	9.7	1	1.2	1	0.273	-1	2.151	-1	7.871	-1	2020	49	0.8
2373.4	10000	38.0242	94.2405	-972	PC	2.5	-1	9.8	1	1.2	1	0.259	-1	2.082	-1	8.046	0	2004	53	0.8
2373.3	10000	38.0242	94.2398	-966	PC	2.4	-1	9.9	0	1.2	1	0.244	-1	2.020	-1	8.267	0	1974	48	0.8
2373.2	10000	38.0242	94.2390	-961	PC	2.1	-1	9.9	1	1.2	1	0.215	-2	1.751	-2	8.150	0	1943	48	0.8
2373.1	10000	38.0242	94.2383	-955	PC	2.3	-1	9.9	1	1.2	0	0.229	-1	1.910	-1	8.356	0	1919	47	0.8
2373.0	10000	38.0242	94.2375	-950	PC	2.1	-1	9.8	1	1.1	0	0.210	-2	1.814	-2	8.646	0	1898	40	0.8
2372.9	10000	38.0242	94.2368	-944	PC	2.1	-1	9.8	0	1.2	0	0.212	-2	1.761	-2	8.321	0	1914	40	0.9
2372.8	10000	38.0242	94.2361	-939	PC	2.2	-1	9.8	0	1.2	1	0.220	-2	1.743	-2	7.915	-1	1943	45	0.9
2372.7	10000	38.0242	94.2353	-934	PC	2.2	-1	9.8	1	1.3	1	0.227	-1	1.763	-2	7.765	-1	1948	48	0.9
2372.6	10000	38.0242	94.2346	-928	PC	2.4	-1	9.7	1	1.3	1	0.243	-1	1.871	-2	7.693	-1	1964	50	0.9
2372.5	10000	38.0242	94.2338	-923	PC	2.6	-1	9.7	0	1.3	1	0.268	-1	2.024	-2	7.541	-1	1993	52	0.9
2372.4	10000	38.0242	94.2331	-918	PC	2.5	-1	10.0	1	1.3	1	0.245	-1	1.887	-1	7.688	-1	2021	47	0.9
2372.3	10000	38.0242	94.2323	-914	PC	2.6	-1	9.8	1	1.3	1	0.265	-1	1.955	-1	7.386	-1	2042	38	0.9
2372.2	10000	38.0242	94.2316	-908	PC	2.5	-1	10.1	1	1.3	1	0.250	-2	1.861	-2	7.444	-1	2035	38	0.9
2372.1	10000	38.0242	94.2308	-903	PC	2.4	-1	10.4	1	1.3	1	0.230	-2	1.791	-2	7.804	-1	2030	59	0.9
2372.0	10000	38.0243	94.2301	-898	PC	2.2	-1	10.5	1	1.3	1	0.211	-2	1.681	-2	7.965	-1	2026	39	0.9
2371.9	10000	38.0243	94.2293	-893	PC	2.2	-1	10.6	1	1.3	1	0.205	-2	1.671	-2	7.153	-1	2005	53	0.9
2371.8	10000	38.0243	94.2286	-888	PC	2.0	-1	10.7	1	1.3	1	0.180	-2	1.532	-2	7.520	-1	1979	57	0.9
2371.7	10000	38.0243	94.2278	-883	PC	1.9	-2	9.5	1	1.3	1	0.192	-2	1.564	-2	7.130	-1	1956	40	0.9
2371.6	10000	38.0243	94.2271	-878	PC	2.0	-2	9.5	1	1.3	1	0.175	-2	1.469	-2	7.375	-1	1926	47	0.9
2371.5	10000	38.0243	94.2263	-875	PC	2.2	-1	9.5	1	1.3	1	0.191	-2	1.623	-2	7.518	-1	1908	54	0.9
2371.4	10000	38.0243	94.2256	-870	PC	2.1	-1	9.9	1	1.3	1	0.213	-2	1.843	-2	7.653	-1	1889	46	0.9
2371.3	10000	38.0243	94.2248	-866	PC	2.4	-1	9.9	1	1.3	1	0.237	-2	2.073	-2	7.758	-1	1880	46	0.9
2371.2	10000	38.0243	94.2241	-862	PC	2.4	-1	9.9	1	1.3	1	0.241	-2	2.119	-2	7.785	-1	1889	47	0.9
2371.1	10000	38.0243	94.2233	-858	PC	2.5	-1	9.9	1	1.3	1	0.257	-2	2.288	-2	7.885	-1	1897	47	0.9
2371.0	10000	38.0243	94.2226	-855	PC	2.7	-1	9.9	1	1.3	1	0.268	-2	2.432	-2	7.859	-1	1915	48	0.9
2370.9	10000	38.0243	94.2218	-851	PC	2.8	-1	9.9	1	1.3	1	0.274	-2	2.487	-2	7.872	-1	1921	44	0.9
2370.8	10000	38.0243	94.2211	-847	PC	2.8	-1	9.9	1	1.3	1	0.282	-2	2.514	-2	7.923	-1	1912	43	0.9
2370.7	10000	38.0243	94.2203	-843	PC	2.9	-1	9.9	1	1.3	1	0.291	-2	2.591	-2	7.950	-1	1894	45	0.9
2370.6	10000	38.0243	94.2196	-839	PC	2.9	-1	9.9	1	1.3	1	0.293	-2	2.611	-2	7.963	-1	1847	43	0.9
2370.5	10000	38.0243	94.2188	-835	PC	2.9	-1	9.9	1	1.3	1	0.293	-2	2.611	-2	7.963	-1	1820	43	0.9
2370.4	10000	38.0243	94.2181	-830	PC	2.9	-1	9.9	1	1.3	1	0.293	-2	2.611	-2	7.963	-1	1774	53	0.9

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2370.3	10000	38.0243	94.2173	-825	PC	2.1	-1	8.7	0	1.0	-1	0.237	-1	2.140	-1	9.038	0	1717	44	0.8
2370.2	10000	38.0243	94.2166	-820	PC	2.[illegible]	-1	8.1	-1	0.9	-1	0.268	-1	2.302	-1	8.581	0	1686	48	0.8
2370.1	10000	38.0243	94.2159	-814	PC	2.6	-1	7.7	-1	0.9	-1	0.334	0	2.729	0	8.161	0	1665	41	0.8
2370.0	10000	38.0243	94.2151	-808	PC	2.8	-1	7.4	-2	0.9	-1	0.377	0	3.173	0	8.410	0	1649	54	0.8
2369.9	10000	38.0243	94.2144	-801	PC	2.8	-1	7.8	-1	0.9	-1	0.357	0	2.959	0	8.295	0	1655	57	0.8
2369.8	10000	38.0243	94.2136	-794	PC	2.4	-1	7.8	-1	1.0	0	0.305	-1	2.418	-1	7.921	-1	1635	30	0.8
2369.7	10000	38.0243	94.2129	-788	PC	2.5	-1	7.9	-1	1.0	-1	0.317	0	2.580	-1	8.152	0	1630	56	0.8
2369.6	10000	38.0243	94.2121	-779	PC	2.6	-1	8.3	-1	0.9	-1	0.314	0	2.753	0	8.768	0	1623	35	0.8
2369.5	10000	38.0243	94.2114	-772	PC	2.3	-1	8.7	0	0.9	-1	0.270	-1	2.502	-1	9.256	0	1600	53	0.8
2369.4	10000	38.0243	94.2106	-764	PC	2.1	-1	8.5	-1	0.9	-1	0.253	-1	2.364	-1	9.350	0	1580	34	0.8
2369.3	10000	38.0243	94.2099	-755	PC	1.9	-2	8.7	0	1.0	-1	0.217	-2	1.961	-1	9.026	0	1582	32	0.8
2369.2	10000	38.0243	94.2091	-747	PC	1.8	-2	8.2	-1	1.0	-1	0.219	-2	1.876	-2	8.564	0	1561	58	0.8
2369.1	10000	38.0243	94.2084	-739	PC	1.8	-2	7.8	-1	1.0	0	0.229	-1	1.798	-2	7.840	-1	1565	42	0.8
2369.0	10000	38.0243	94.2076	-730	PC	1.7	-2	7.7	-1	1.0	-1	0.215	-2	1.727	-2	8.024	0	1559	62	0.8
2368.9	10000	38.0243	94.2069	-721	PC	1.7	-2	7.8	-1	1.0	-1	0.213	-2	1.742	-2	8.179	0	1561	48	0.8
2368.8	10000	38.0243	94.2061	-713	PC	1.8	-2	7.5	-1	0.9	-1	0.236	-1	1.861	-2	7.880	-1	1563	51	0.8
2368.7	10000	38.0243	94.2054	-705	PC	1.9	-2	7.7	-1	0.9	-1	0.247	-1	2.059	-1	8.331	0	1564	44	0.8
2368.6	10000	38.0243	94.2046	-697	PC	2.1	-1	7.3	-2	0.9	-1	0.282	-1	2.377	-1	8.427	0	1531	58	0.8
2368.5	10000	38.0243	94.2039	-690	PC	2.2	-1	7.3	-2	0.8	-1	0.303	-1	2.697	0	8.905	0	1530	56	0.8
2368.4	10000	38.0243	94.2031	-682	PC	2.4	-1	7.3	-2	0.7	-1	0.325	0	3.251	0	9.995	1	1495	51	0.8
2368.3	10000	38.0243	94.2024	-674	PC	2.2	-1	7.1	-2	0.7	-1	0.306	-1	2.913	0	9.505	1	1466	39	0.8
2368.2	10000	38.0243	94.2016	-666	PC	1.9	-2	6.9	-2	0.8	-1	0.279	-1	2.532	-1	9.077	0	1432	45	0.8
2368.1	10000	38.0243	94.2009	-660	PC	1.7	-2	6.9	-2	0.8	-1	0.250	-1	2.303	-1	9.202	0	1412	53	0.8
2368.0	10000	38.0243	94.2001	-652	PC	1.7	-2	6.6	-2	0.7	-1	0.250	-1	2.238	-1	8.960	0	1369	46	0.8
2367.9	10000	38.0243	94.1994	-644	PC	1.6	-2	6.5	-2	0.7	-2	0.246	-1	2.199	-1	8.927	0	1345	43	0.8
2367.8	10000	38.0243	94.1986	-639	PC	1.5	-2	6.2	-2	0.7	-1	0.239	-1	2.020	-1	8.439	0	1300	48	0.8
2367.7	10000	38.0243	94.1979	-634	PC	1.5	-2	6.1	-3	0.7	-2	0.247	-1	2.053	-1	8.307	0	1279	38	0.7
2367.6	10000	38.0243	94.1971	-629	PC	1.7	-2	6.3	-2	0.7	-2	0.273	-1	2.469	-1	9.033	0	1259	56	0.7
2367.5	10000	38.0243	94.1964	-628	PC	1.7	-2	6.3	-3	0.6	-2	0.296	-1	2.689	-1	9.077	0	1225	65	0.7
2367.4	10000	38.0243	94.1956	-628	PC	1.8	-2	6.5	-3	0.6	-2	0.311	-1	2.954	-1	9.491	0	1185	34	0.7
2367.3	10000	38.0243	94.1949	-629	PC	1.8	-2	6.5	-3	0.6	-2	0.320	-1	2.955	-1	9.236	0	1181	42	0.7
2367.2	10000	38.0243	94.1942	-630	PC	1.8	-2	6.5	-3	0.6	-2	0.314	-1	2.954	-1	9.411	0	1175	49	0.7
2367.1	10000	38.0243	94.1934	-631	PC	1.8	-2	6.5	-3	0.6	-2	0.310	-1	2.900	-1	9.368	0	1194	39	0.7
2367.0	10000	38.0244	94.1927	-634	PC	1.8	-2	6.5	-3	0.6	-2	0.309	-1	3.134	-1	10.154	1	1208	47	0.7
2366.9	10000	38.0244	94.1919	-637	PC	1.8	-2	6.5	-3	0.6	-2	0.331	-1	2.980	-1	9.001	0	1246	42	0.7
2366.8	10000	38.0244	94.1912	-641	PC	1.8	-2	6.5	-3	0.6	-2	0.338	-1	3.054	-1	9.047	0	1286	54	0.7
2366.7	10000	38.0244	94.1904	-646	PC	1.8	-2	6.5	-3	0.6	-2	0.368	-1	3.054	-1	9.290	0	1355	44	0.7
2366.6	10000	38.0244	94.1897	-651	PC	1.8	-2	6.5	-3	0.6	-2	0.405	-1	3.252	-1	9.027	0	1413	53	0.7
2366.5	10000	38.0244	94.1889	-656	PC	1.8	-2	6.5	-3	0.6	-2	0.385	-1	3.046	-1	7.916	-1	1475	57	0.7
2366.4	10000	38.0244	94.1882	-662	PC	1.8	-2	6.5	-3	0.6	-2	0.407	-1	3.176	-1	7.800	-1	1513	49	0.7
2366.3	10000	38.0244	94.1874	-668	PC	1.8	-2	6.5	-3	0.6	-2	0.454	-1	3.205	-1	7.057	-1	1554	43	0.7
2366.2	10000	38.0244	94.1867	-673	PC	1.8	-2	6.5	-3	0.6	-2	0.432	-1	3.117	-1	7.221	-1	1573	46	0.7
2366.1	10000	38.0244	94.1859	-680	PC	1.8	-2	6.5	-3	0.6	-2	0.447	-1	3.210	-1	7.186	-1	1606	45	0.7
2366.0	10000	38.0244	94.1851	-685	PC	1.8	-2	6.5	-3	0.6	-2	0.437	-1	3.349	-1	7.668	-1	1596	38	0.7
2365.9	10000	38.0244	94.1843	-690	PC	1.8	-2	6.5	-3	0.6	-2	0.421	-1	3.291	-1	7.826	-1	1572	49	0.7
2365.8	10000	38.0244	94.1835	-696	PC	1.8	-2	6.5	-3	0.6	-2	0.446	-1	3.581	-1	8.027	-1	1547	56	0.7
2365.7	10000	38.0244	94.1827	-701	PC	1.8	-2	6.5	-3	0.6	-2	0.393	-1	3.161	-1	8.046	-1	1536	49	0.7
2365.6	10000	38.0244	94.1819	-706	PC	1.8	-2	6.5	-3	0.6	-2	0.325	-1	2.749	-1	8.045	-1	1508	50	0.7
2365.5	10000	38.0244	94.1811	-711	PC	1.8	-2	6.5	-3	0.6	-2	0.294	-1	2.639	-1	8.983	-1	1485	54	0.7
2365.4	10000	38.0244	94.1803	-714	PC	1.8	-2	6.5	-3	0.6	-2	0.283	-1	2.510	-1	8.881	-1	1468	47	0.7
2365.3	10000	38.0244	94.1796	-717	PC	1.8	-2	6.5	-3	0.6	-2	0.296	-1	2.475	-1	8.365	-1	1460	52	0.7
2365.2	10000	38.0244	94.1788	-720	PC	1.9	-2	6.5	-3	0.6	-2	0.263	-1	2.320	-1	8.811	-1	1440	48	0.6

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2365.1	10000	38.0244	94.1780	-723	PC	1.8	-2	7.4	-2	0.8	-1	0.239	-1	2.074	-1	8.689	0	1428	51	0.6
2365.0	10000	38.0244	94.1772	-726	PC	1.7	-2	6.9	-2	0.8	-1	0.251	-1	2.172	-1	8.648	0	1415	48	0.6
2364.9	10000	38.0244	94.1764	-731	PC	2.0	-2	6.8	-2	0.8	-1	0.293	-1	2.524	-1	8.604	0	1416	42	0.6
2364.8	10000	38.0244	94.1756	-734	PC	2.2	-1	6.4	-2	0.8	-1	0.342	0	2.757	0	8.063	0	1418	50	0.6
2364.7	10000	38.0245	94.1748	-739	PC	2.3	-1	6.7	-2	0.8	-1	0.344	0	3.021	0	8.791	0	1409	52	0.6
2364.6	10000	38.0245	94.1740	-744	PC	2.2	-1	6.8	-2	0.8	-1	0.329	0	2.878	0	8.744	0	1411	36	0.6
2364.5	10000	38.0245	94.1732	-749	PC	2.3	-1	6.8	-2	0.8	-1	0.338	0	2.870	0	8.496	0	1429	46	0.6
2364.4	10000	38.0245	94.1724	-755	PC	2.2	-1	6.5	-2	0.8	-1	0.340	0	2.676	0	7.869	-1	1441	42	0.6
2364.3	10000	38.0245	94.1716	-763	PC	2.2	-1	6.5	-2	0.8	-1	0.339	0	2.669	0	7.880	-1	1435	36	0.6
2364.2	10000	38.0245	94.1708	-772	PC	2.0	-1	6.4	-2	0.8	-1	0.321	0	2.483	-1	7.726	-1	1413	44	0.6
2364.1	10000	38.0245	94.1700	-781	PC	1.9	-2	6.3	-2	0.8	-1	0.299	-1	2.278	-1	7.611	-1	1394	55	0.6
2364.0	10000	38.0245	94.1693	-791	PC	1.7	-2	5.7	-3	0.8	-1	0.304	-1	2.104	-1	6.915	-1	1360	46	0.6
2363.9	10000	38.0245	94.1685	-800	PC	1.7	-2	5.6	-3	0.8	-1	0.308	-1	2.158	-1	7.013	-1	1329	42	0.6
2363.8	10000	38.0245	94.1677	-810	PC	1.9	-2	5.2	-3	0.8	-1	0.365	0	2.489	-1	6.819	-1	1303	36	0.6
2363.7	10000	38.0245	94.1669	-818	PC	1.9	-2	5.2	-3	0.7	-2	0.367	0	2.619	-1	7.139	-1	1282	53	0.6
2363.6	10000	38.0245	94.1661	-827	PC	1.9	-2	5.3	-3	0.7	-2	0.351	0	2.577	-1	7.347	-1	1267	53	0.6
2363.5	10000	38.0245	94.1653	-833	PC	1.8	-2	5.5	-3	0.7	-1	0.326	0	2.406	-1	7.389	-1	1263	42	0.6
2363.4	10000	38.0245	94.1645	-840	PC	1.9	-2	5.6	-3	0.7	-1	0.331	0	2.507	-1	7.576	-1	1262	58	0.6
2363.3	10000	38.0245	94.1637	-845	PC	1.9	-2	5.8	-3	0.8	-1	0.335	0	2.438	-1	7.281	-1	1282	28	0.6
2363.2	10000	38.0245	94.1629	-848	PC	1.8	-2	6.0	-3	0.8	-1	0.298	-1	2.280	-1	7.655	-1	1301	52	0.6
2363.1	10000	38.0246	94.1621	-851	PC	1.7	-2	6.6	-2	0.8	-1	0.260	-1	2.054	-1	7.888	-1	1331	46	0.6
2363.0	10000	38.0246	94.1613	-852	PC	1.6	-2	7.0	-2	0.8	-1	0.234	-1	2.014	-1	8.610	0	1339	40	0.6
2362.9	10000	38.0246	94.1605	-853	PC	1.8	-2	7.2	-2	0.8	-1	0.254	-1	2.316	-1	9.133	0	1360	55	0.6
2362.8	10000	38.0246	94.1597	-853	PC	2.0	-2	7.4	-1	0.8	-1	0.265	-1	2.608	-1	9.853	1	1386	52	0.6
2362.7	10000	38.0246	94.1590	-851	PC	2.0	-2	7.5	-1	0.7	-1	0.261	-1	2.658	0	10.192	1	1397	45	0.6
2362.6	10000	38.0246	94.1582	-849	PC	1.9	-2	7.6	-1	0.7	-2	0.254	-1	2.794	0	10.991	2	1399	57	0.6
2362.5	10000	38.0246	94.1574	-845	PC	1.8	-2	7.8	-1	0.7	-2	0.226	-2	2.517	-1	11.140	2	1404	36	0.6
2362.4	10000	38.0246	94.1566	-839	PC	1.6	-2	7.7	-1	0.7	-2	0.207	-2	2.293	-1	11.075	2	1409	44	0.6
2362.3	10000	38.0246	94.1558	-832	PC	1.8	-2	7.4	-2	0.8	-1	0.239	-1	2.363	-1	9.896	2	1422	44	0.6
2362.2	10000	38.0246	94.1550	-823	PC	1.7	-2	7.2	-2	0.8	-1	0.238	-1	2.226	-1	9.373	1	1435	36	0.6
2362.1	10000	38.0246	94.1542	-812	PC	1.7	-2	7.1	-2	0.8	-1	0.239	-1	2.143	-1	8.965	0	1440	65	0.6
2362.0	10000	38.0246	94.1534	-799	PC	1.6	-2	7.0	-2	0.8	-1	0.233	-1	2.092	-1	8.985	0	1442	45	0.6
2361.9	10000	38.0246	94.1526	-784	PC	1.9	-2	6.9	-2	0.8	-1	0.280	-1	2.514	-1	8.974	0	1449	50	0.6
2361.8	10000	38.0246	94.1518	-767	PC	2.2	-1	6.6	-2	0.8	-1	0.327	-1	2.862	-1	8.758	0	1454	44	0.6
2361.7	10000	38.0246	94.1510	-748	PC	2.2	-1	6.4	-2	0.8	-1	0.340	-1	2.726	-1	8.028	0	1442	55	0.6
2361.6	10000	38.0246	94.1502	-727	PC	2.1	-1	6.3	-2	0.8	-1	0.323	-1	2.599	-1	8.048	0	1434	52	0.6
2361.5	10000	38.0246	94.1494	-706	PC	1.8	-2	6.7	-2	0.8	-1	0.271	-1	2.338	-1	8.625	0	1418	62	0.6
2361.4	10000	38.0247	94.1487	-685	PC	1.9	-2	6.4	-2	0.8	-1	0.290	-1	2.418	-1	8.344	0	1414	44	0.6
2361.3	10000	38.0247	94.1479	-663	PC	1.9	-2	6.6	-2	0.8	-1	0.291	-1	2.587	-1	8.876	0	1404	39	0.6
2361.2	10000	38.0247	94.1471	-641	PC	1.8	-2	6.9	-2	0.7	-1	0.257	-1	2.462	-1	9.573	0	1389	49	0.6
2361.1	10000	38.0247	94.1463	-620	PC	1.9	-2	7.0	-2	0.7	-1	0.270	-1	2.524	-1	9.330	0	1373	41	0.6
2361.0	10000	38.0247	94.1455	-599	PC	1.9	-2	7.1	-2	0.7	-1	0.282	-1	2.653	-1	9.475	0	1353	57	0.6
2360.9	10000	38.0247	94.1447	-580	PC	1.8	-2	7.1	-2	0.7	-1	0.307	-1	2.953	-1	9.899	0	1340	45	0.6
2360.8	10000	38.0247	94.1439	-562	PC	2.1	-2	7.1	-2	0.7	-1	0.317	-1	3.051	-1	9.574	0	1335	51	0.6
2360.7	10000	38.0247	94.1431	-545	PC	2.1	-2	7.1	-2	0.7	-1	0.305	-1	2.951	-1	9.574	0	1328	54	0.6
2360.6	10000	38.0247	94.1423	-530	PC	2.1	-2	7.1	-2	0.7	-1	0.297	-1	2.951	-1	9.934	0	1355	45	0.6
2360.5	10000	38.0247	94.1415	-517	PC	2.4	-2	7.1	-2	0.7	-1	0.337	-1	3.364	-1	10.022	0	1406	52	0.6
2360.4	10000	38.0247	94.1407	-504	PC	2.5	-2	7.3	-1	0.7	-1	0.342	-1	3.606	-1	10.695	0	1440	42	0.6
2360.3	10000	38.0247	94.1399	-493	PC	2.4	-2	7.6	-1	0.7	-1	0.326	-1	3.448	-1	10.138	0	1498	43	0.6
2360.2	10000	38.0247	94.1391	-482	PC	2.4	-2	7.5	-1	0.7	-1	0.326	-1	3.521	-1	10.295	0	1564	38	0.6
2360.1	10000	38.0247	94.1384	-473	PC	2.4	-2	7.8	-1	0.7	-1	0.326	-1	3.355	-1	10.306	0	1629	49	0.6
2360.0	10000	38.0247	94.1376	-464	PC	2.9	-1	8.2	-1	0.8	-1	0.347	-1	3.366	-1	9.708	0	1688	49	0.6

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2359.9	10000	38.0247	94.1368	-457	PC	2.6	-1	8.3	-1	0.9	-1	0.310	0	2.907	0	9.365	0	1713	57	0.6
2359.8	10000	38.0247	94.1360	-450	PC	2.7	-1	8.3	-1	0.9	-1	0.328	0	2.982	0	9.083	0	1715	32	0.6
2359.7	10000	38.0247	94.1352	-443	PC	2.8	-1	8.5	-1	0.9	-1	0.325	0	3.095	0	9.520	1	1719	37	0.6
2359.6	10000	38.0247	94.1344	-437	PC	2.8	0	8.1	-1	0.9	-1	0.352	0	3.224	0	9.154	0	1689	41	0.6
2359.5	10000	38.0248	94.1336	-432	PC	2.7	-1	8.5	-1	0.8	-1	0.315	0	3.171	0	10.066	1	1633	56	0.6
2359.4	10000	38.0248	94.1328	-427	PC	2.8	-1	7.9	-1	0.8	-1	0.353	0	3.662	1	10.383	1	1570	41	0.6
2359.3	10000	38.0248	94.1320	-422	PC	2.6	-1	7.7	-1	0.7	-2	0.336	0	3.631	1	10.802	1	1516	44	0.6
2359.2	10000	38.0248	94.1312	-419	PC	2.8	-1	7.6	-1	0.7	-2	0.369	0	4.164	1	11.272	2	1485	37	0.6
2359.1	10000	38.0248	94.1304	-418	PC	2.6	-1	7.1	-2	0.7	-2	0.369	0	3.881	1	10.530	1	1465	41	0.6
2359.0	10000	38.0248	94.1296	-418	PC	2.6	-1	6.9	-2	0.7	-2	0.372	0	3.838	1	10.315	1	1443	55	0.6
2358.9	10000	38.0248	94.1288	-417	PC	2.4	-1	7.3	-2	0.7	-2	0.329	0	3.669	1	11.161	2	1448	46	0.6
2358.8	10000	38.0248	94.1281	-418	PC	2.6	-1	7.1	-2	0.6	-2	0.362	0	4.045	1	11.170	2	1459	43	0.5
2358.7	10000	38.0248	94.1273	-420	PC	2.4	-1	6.9	-2	0.7	-2	0.350	0	3.408	0	9.730	1	1483	30	0.5
2358.6	10000	38.0248	94.1265	-421	PC	2.6	-1	7.0	-2	0.7	-1	0.378	0	3.569	1	9.434	0	1506	63	0.5
2358.5	10000	38.0248	94.1257	-424	PC	2.6	-1	6.8	-2	0.8	-1	0.388	0	3.383	0	8.722	0	1507	52	0.5
2358.4	10000	38.0248	94.1249	-428	PC	2.5	-1	7.4	-1	0.8	-1	0.332	0	3.284	0	9.901	1	1515	63	0.5
2358.3	10000	38.0248	94.1241	-432	PC	2.5	-1	7.7	-1	0.8	-1	0.322	0	3.151	0	9.790	1	1539	51	0.5
2358.2	10000	38.0248	94.1233	-436	PC	2.7	-1	7.3	-2	0.8	-1	0.366	0	3.366	0	9.190	0	1556	49	0.5
2358.1	10000	38.0248	94.1225	-440	PC	2.7	-1	7.5	-1	0.8	-1	0.364	0	3.319	0	9.130	0	1571	58	0.5
2358.0	10000	38.0248	94.1217	-444	PC	2.8	-1	7.9	-1	0.8	-1	0.350	0	3.627	1	10.373	1	1575	48	0.5
2357.9	10000	38.0248	94.1209	-448	PC	2.8	-1	8.1	-1	0.7	-1	0.341	0	3.700	1	10.855	1	1584	49	0.5
2357.8	10000	38.0248	94.1201	-453	PC	2.6	-1	8.1	-1	0.7	-2	0.317	0	3.681	1	11.610	2	1599	55	0.5
2357.7	10000	38.0249	94.1193	-458	PC	3.0	0	7.8	-1	0.7	-2	0.381	0	4.168	1	10.948	1	1609	45	0.5
2357.6	10000	38.0249	94.1186	-461	PC	2.9	0	7.6	-1	0.6	-2	0.414	0	4.875	2	11.775	2	1609	53	0.5
2357.5	10000	38.0249	94.1178	-464	PC	2.9	0	7.7	-1	0.7	-2	0.379	0	4.532	2	11.973	2	1594	49	0.5
2357.4	10000	38.0249	94.1170	-470	PC	2.9	0	7.6	-1	0.7	-2	0.382	0	4.435	2	11.599	2	1590	39	0.5
2357.3	10000	38.0249	94.1162	-477	PC	2.9	0	7.6	-1	0.7	-2	0.380	1	3.949	1	10.389	1	1583	40	0.5
2357.2	10000	38.0249	94.1154	-482	PC	2.9	0	7.2	-2	0.7	-2	0.398	1	3.958	1	9.937	1	1568	39	0.5
2357.1	10000	38.0249	94.1146	-487	PC	2.9	0	7.3	-2	0.7	-2	0.394	1	3.904	1	9.910	1	1557	53	0.5
2357.0	10000	38.0249	94.1138	-492	PC	2.7	-1	7.4	-2	0.7	-2	0.362	1	3.844	1	10.614	1	1537	30	0.5
2356.9	10000	38.0249	94.1130	-497	PC	2.6	-1	7.4	-2	0.7	-2	0.356	1	3.747	1	10.528	1	1512	44	0.5
2356.8	10000	38.0249	94.1122	-501	PC	2.7	-1	7.4	-2	0.7	-2	0.375	1	3.717	1	9.903	1	1488	48	0.5
2356.7	10000	38.0249	94.1114	-505	PC	2.7	-1	7.6	-2	0.7	-2	0.385	1	3.772	1	9.809	1	1462	43	0.5
2356.6	10000	38.0249	94.1106	-512	PC	2.7	-1	7.6	-2	0.6	-2	0.388	1	4.246	1	9.954	1	1460	48	0.5
2356.5	10000	38.0249	94.1098	-520	PC	2.7	-1	7.6	-2	0.6	-2	0.381	1	4.141	1	10.861	1	1450	49	0.5
2356.4	10000	38.0249	94.1091	-526	PC	2.7	-1	7.5	-2	0.7	-2	0.395	1	4.232	1	10.704	1	1437	41	0.5
2356.3	10000	38.0249	94.1083	-532	PC	2.7	-1	7.4	-2	0.7	-2	0.382	1	3.946	1	10.322	1	1437	53	0.5
2356.2	10000	38.0249	94.1075	-538	PC	2.7	-1	7.4	-2	0.7	-2	0.370	1	3.524	1	9.515	1	1481	47	0.5
2356.1	10000	38.0249	94.1067	-543	PC	2.7	-1	7.4	-2	0.7	-2	0.379	1	3.655	1	9.653	1	1538	36	0.5
2356.0	10000	38.0249	94.1060	-549	PC	2.7	-1	7.4	-2	0.7	-2	0.379	1	3.627	1	9.573	1	1603	44	0.5
2355.9	10000	38.0249	94.1052	-556	PC	2.7	-1	7.4	-2	0.7	-2	0.373	1	3.408	1	9.129	1	1677	33	0.5
2355.8	10000	38.0249	94.1045	-563	PC	2.7	-1	7.4	-2	0.7	-2	0.350	1	3.130	1	8.942	1	1751	39	0.5
2355.7	10000	38.0249	94.1037	-571	PC	2.7	-1	7.4	-2	0.7	-2	0.330	1	2.997	1	8.955	1	1829	45	0.5
2355.6	10000	38.0249	94.1030	-578	PC	2.7	-1	7.4	-2	0.7	-2	0.308	1	2.875	1	8.347	1	1871	42	0.5
2355.5	10000	38.0249	94.1022	-586	PC	2.7	-1	7.4	-2	0.7	-2	0.288	1	2.759	1	8.580	1	1881	61	0.5
2355.4	10000	38.0249	94.1014	-594	PC	2.7	-1	7.4	-2	0.7	-2	0.311	1	2.900	1	9.327	1	1885	58	0.5
2355.3	10000	38.0249	94.1007	-601	PC	2.7	-1	7.4	-2	0.7	-2	0.330	1	2.930	1	8.418	1	1891	57	0.5
2355.2	10000	38.0249	94.0999	-609	PC	2.7	-1	7.4	-2	0.7	-2	0.350	1	2.910	1	8.147	1	1885	40	0.5
2355.1	10000	38.0249	94.0992	-616	PC	2.7	-1	7.4	-2	0.7	-2	0.325	1	2.863	1	8.807	1	1887	43	0.5
2355.0	10000	38.0249	94.0984	-624	PC	2.7	-1	7.4	-2	0.7	-2	0.348	1	2.991	1	8.653	1	1898	51	0.5
2354.9	10000	38.0249	94.0977	-632	PC	2.7	-1	7.4	-2	0.7	-2	0.336	1	2.824	1	8.399	1	1931	38	0.5
2354.8	10000	38.0249	94.0969	-640	PC	2.7	-1	7.4	-2	0.7	-2	0.364	1	3.000	1	8.244	1	1966	47	0.5

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2354.7	10000	38.0249	94.0961	-648	PC	3.0	0	10.4	1	1.2	1	0.288	-1	2.414	-1	8.394	0	1990	48	0.5
2354.6	10000	38.0249	94.0954	-656	PC	2.9	0	10.6	1	1.3	1	0.278	-1	2.316	-1	8.341	0	2022	46	0.5
2354.5	10000	38.0249	94.0946	-664	PC	2.9	0	11.3	2	1.3	1	0.255	-1	2.252	-1	8.818	0	2040	47	0.5
2354.4	10000	38.0249	94.0939	-672	PC	2.8	-1	11.3	2	1.3	1	0.245	-1	2.091	-1	8.548	0	2068	42	0.5
2354.3	10000	38.0249	94.0931	-681	PC	2.7	-1	11.3	2	1.3	1	0.237	-1	2.000	-1	8.434	0	2086	43	0.5
2354.2	10000	38.0249	94.0924	-689	PC	2.7	-1	11.1	2	1.4	1	0.239	-1	1.924	-1	8.044	0	2106	46	0.5
2354.1	10000	38.0249	94.0916	-697	PC	2.9	0	10.9	1	1.4	1	0.265	-1	2.074	-1	7.831	-1	2139	45	0.5
2354.0	10000	38.0249	94.0908	-705	PC	3.0	0	11.5	2	1.4	1	0.261	-1	2.151	-1	8.244	0	2172	47	0.5
2353.9	10000	38.0249	94.0901	-713	PC	3.0	0	11.5	2	1.4	1	0.261	-1	2.076	-1	7.966	-1	2205	51	0.5
2353.8	10000	38.0249	94.0893	-721	PC	3.0	0	11.3	2	1.5	2	0.266	-1	2.036	-1	7.654	-1	2226	40	0.5
2353.7	10000	38.0249	94.0886	-729	PC	3.1	0	11.6	2	1.5	2	0.263	-1	1.999	-1	7.598	-1	2261	35	0.5
2353.6	10000	38.0249	94.0878	-737	PC	3.4	0	11.9	2	1.5	2	0.285	-1	2.297	-1	8.064	0	2290	44	0.5
2353.5	10000	38.0249	94.0871	-745	PC	3.5	0	12.3	2	1.4	2	0.289	-1	2.484	-1	8.600	0	2326	49	0.5
2353.4	10000	38.0249	94.0863	-754	PC	3.4	0	12.5	2	1.5	2	0.271	-1	2.289	-1	8.432	0	2333	44	0.5
2353.3	10000	38.0249	94.0855	-763	PC	3.4	0	12.1	2	1.5	2	0.278	-1	2.208	-1	7.948	-1	2347	49	0.5
2353.2	10000	38.0249	94.0848	-772	PC	3.3	0	12.0	2	1.6	2	0.274	-1	2.113	-1	7.710	-1	2342	51	0.5
2353.1	10000	38.0249	94.0840	-783	PC	3.3	0	12.3	2	1.5	2	0.267	-1	2.140	-1	8.002	0	2338	42	0.5
2353.0	10000	38.0249	94.0833	-793	PC	3.3	0	12.1	2	1.5	2	0.276	-1	2.244	-1	8.139	0	2297	42	0.5
2352.9	10000	38.0249	94.0825	-803	PC	3.2	0	11.6	2	1.5	2	0.275	-1	2.059	-1	7.483	-1	2254	46	0.5
2352.8	10000	38.0249	94.0818	-814	PC	3.0	0	11.1	2	1.6	2	0.273	-1	1.887	-1	6.914	-1	2202	42	0.5
2352.7	10000	38.0249	94.0810	-825	PC	2.8	-1	11.2	2	1.5	2	0.250	-1	1.821	-2	7.300	-1	2161	46	0.5
2352.6	10000	38.0249	94.0802	-835	PC	2.8	-1	11.3	2	1.5	2	0.251	-1	1.887	-1	7.530	-1	2137	51	0.5
2352.5	10000	38.0249	94.0795	-845	PC	2.8	-1	11.3	2	1.4	1	0.244	-1	1.973	-1	8.079	0	2133	41	0.5
2352.4	10000	38.0249	94.0787	-853	PC	2.7	-1	10.9	1	1.4	1	0.242	-1	1.887	-1	7.793	-1	2121	50	0.5
2352.3	10000	38.0249	94.0780	-861	PC	2.7	-1	11.1	2	1.4	1	0.248	-1	1.935	-1	7.807	-1	2131	44	0.5
2352.2	10000	38.0249	94.0772	-867	PC	2.7	-1	11.0	2	1.4	1	0.247	-1	1.968	-1	7.960	-1	2148	46	0.5
2352.1	10000	38.0249	94.0765	-873	PC	2.6	-1	11.4	2	1.4	1	0.232	-1	1.891	-1	8.150	0	2168	50	0.5
2352.0	10000	38.0249	94.0757	-877	PC	2.8	-1	11.1	2	1.5	2	0.253	-1	1.926	-1	7.620	-1	2187	42	0.5
2351.9	10000	38.0249	94.0749	-879	PC	2.8	0	10.9	1	1.5	2	0.256	-1	1.861	-2	7.254	-1	2191	46	0.5
2351.8	10000	38.0249	94.0742	-881	PC	2.6	-1	10.8	1	1.6	2	0.245	-1	1.689	-2	6.908	-1	2173	39	0.5
2351.7	10000	38.0249	94.0734	-881	PC	2.6	-1	10.8	1	1.6	2	0.241	-1	1.682	-2	6.966	-1	2169	37	0.5
2351.6	10000	38.0248	94.0727	-880	PC	2.5	-1	11.1	2	1.6	2	0.223	-1	1.573	-2	7.052	-1	2158	51	0.5
2351.5	10000	38.0248	94.0719	-879	PC	2.5	-1	11.4	2	1.6	2	0.218	-1	1.584	-2	7.258	-1	2157	46	0.5
2351.4	10000	38.0248	94.0712	-876	PC	2.2	-1	11.0	2	1.6	2	0.203	-1	1.441	-2	7.085	-1	2137	46	0.5
2351.3	10000	38.0249	94.0704	-874	PC	2.4	-1	10.9	2	1.5	2	0.215	-1	1.580	-2	7.344	-1	2116	41	0.5
2351.2	10000	38.0248	94.0696	-870	PC	2.6	-1	10.8	2	1.6	2	0.235	-1	1.858	-2	7.912	-1	2092	34	0.5
2351.1	10000	38.0248	94.0689	-866	PC	2.9	-1	11.1	2	1.6	2	0.274	-1	2.254	-2	8.230	-1	2086	33	0.5
2351.0	10000	38.0248	94.0681	-861	PC	3.3	-1	11.4	2	1.5	2	0.307	-1	2.604	-2	8.491	-1	2080	46	0.5
2350.9	10000	38.0248	94.0674	-857	PC	3.3	-1	11.4	2	1.5	2	0.315	-1	2.705	-2	8.580	-1	2081	41	0.5
2350.8	10000	38.0248	94.0666	-853	PC	3.3	-1	11.4	2	1.5	2	0.329	-1	2.863	-2	8.692	-1	2073	56	0.5
2350.7	10000	38.0248	94.0659	-849	PC	3.3	-1	11.5	2	1.5	2	0.335	-1	2.943	-2	8.796	-1	2097	45	0.5
2350.6	10000	38.0248	94.0651	-845	PC	3.3	-1	11.5	2	1.5	2	0.335	-1	2.970	-2	8.754	-1	2120	52	0.5
2350.5	10000	38.0248	94.0643	-842	PC	3.3	-1	11.5	2	1.5	2	0.330	-1	2.988	-2	8.610	-1	2141	55	0.5
2350.4	10000	38.0248	94.0636	-839	PC	3.3	-1	11.5	2	1.5	2	0.331	-1	3.000	-2	8.677	-1	2107	49	0.5
2350.3	10000	38.0248	94.0628	-836	PC	3.3	-1	11.5	2	1.5	2	0.330	-1	3.008	-2	8.677	-1	2058	54	0.5
2350.2	10000	38.0248	94.0621	-834	PC	3.3	-1	11.5	2	1.5	2	0.331	-1	3.008	-2	8.677	-1	1960	47	0.5
2350.1	10000	38.0248	94.0613	-834	PC	3.3	-1	11.5	2	1.5	2	0.330	-1	3.008	-2	8.677	-1	1834	42	0.5
2350.0	10000	38.0248	94.0606	-834	PC	3.3	-1	11.5	2	1.5	2	0.331	-1	3.008	-2	8.677	-1	1731	57	0.5
2349.9	10000	38.0248	94.0598	-834	PC	3.3	-1	11.5	2	1.5	2	0.330	-1	3.008	-2	8.677	-1	1674	43	0.5
2349.8	10000	38.0248	94.0590	-836	PC	3.3	-1	11.5	2	1.5	2	0.331	-1	3.008	-2	8.677	-1	1642	44	0.5
2349.7	10000	38.0248	94.0583	-837	PC	3.3	-1	11.5	2	1.5	2	0.330	-1	3.008	-2	8.677	-1	1653	38	0.5
2349.6	10000	38.0248	94.0575	-837	PC	3.3	-1	11.5	2	1.5	2	0.331	-1	3.008	-2	8.677	-1	1686	42	0.5

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2349.5	10000	38.0248	94.0568	-838	PC	2.2	-1	8.9	0	1.1	0	0.243	-1	1.953	-1	8.037	0	1744	40	0.5
2349.4	10000	38.0248	94.0560	-840	PC	2.4	-1	8.9	0	1.2	0	0.275	-1	2.106	-1	7.653	-1	1836	38	0.5
2349.3	10000	38.0248	94.0553	-841	PC	2.6	-1	9.5	0	1.2	1	0.273	-1	2.133	-1	7.820	-1	1894	42	0.5
2349.2	10000	38.0248	94.0545	-842	PC	2.7	-1	9.0	0	1.2	1	0.295	-1	2.150	-1	7.290	-1	1897	58	0.5
2349.1	10000	38.0248	94.0537	-843	PC	2.7	-1	8.7	0	1.3	1	0.311	0	2.121	-1	6.824	-1	1902	47	0.5
2349.0	10000	38.0248	94.0530	-845	PC	2.7	-1	8.8	0	1.3	1	0.306	-1	2.148	-1	7.018	-1	1898	45	0.5
2348.9	10000	38.0248	94.0522	-846	PC	2.8	0	9.1	0	1.2	0	0.310	0	2.438	-1	7.861	-1	1900	56	0.5
2348.8	10000	38.0248	94.0515	-847	PC	2.7	-1	9.6	0	1.1	0	0.276	-1	2.311	-1	8.388	0	1901	50	0.5
2348.7	10000	38.0248	94.0507	-849	PC	2.3	-1	10.3	1	1.2	0	0.225	-2	2.001	-1	8.904	0	1886	41	0.5
2348.6	10000	38.0248	94.0500	-852	PC	2.0	-2	9.8	0	1.2	0	0.205	-2	1.711	-2	8.364	0	1867	44	0.5
2348.5	10000	38.0248	94.0492	-855	PC	1.7	-2	10.0	1	1.2	0	0.174	-2	1.440	-2	8.290	0	1863	41	0.5
2348.4	10000	38.0248	94.0484	-859	PC	1.8	-2	9.8	0	1.2	0	0.186	-2	1.551	-2	8.352	0	1843	46	0.5
2348.3	10000	38.0248	94.0477	-862	PC	1.6	-2	9.6	0	1.2	0	0.164	-2	1.325	-2	8.086	0	1806	53	0.5
2348.2	10000	38.0248	94.0469	-865	PC	1.5	-2	9.0	0	1.2	0	0.163	-2	1.230	-2	7.528	-1	1747	41	0.5
2348.1	10000	38.0248	94.0462	-870	PC	1.6	-2	8.6	-1	1.2	0	0.184	-2	1.349	-2	7.316	-1	1694	34	0.5
2348.0	10000	38.0248	94.0454	-874	PC	1.6	-2	8.0	-1	1.2	0	0.196	-2	1.345	-2	6.881	-1	1638	41	0.5
2347.9	10000	38.0248	94.0447	-880	PC	1.8	-2	8.1	-1	1.1	0	0.224	-2	1.604	-2	7.174	-1	1613	47	0.5
2347.8	10000	38.0248	94.0439	-885	PC	2.0	-2	7.8	-1	1.1	0	0.258	-1	1.886	-1	7.322	-1	1591	49	0.5
2347.7	10000	38.0248	94.0431	-890	PC	1.9	-2	7.8	-1	1.1	0	0.239	-1	1.767	-2	7.384	-1	1577	57	0.5
2347.6	10000	38.0248	94.0424	-895	PC	2.1	-1	7.8	-1	1.0	0	0.269	-1	1.996	-1	7.420	-1	1590	51	0.5
2347.5	10000	38.0248	94.0416	-900	PC	2.1	-1	8.0	-1	1.1	0	0.265	-1	1.988	-1	7.518	-1	1602	43	0.5
2347.4	10000	38.0248	94.0409	-905	PC	2.2	-1	8.0	-1	1.1	0	0.275	-1	2.046	-1	7.449	-1	1641	53	0.5
2347.3	10000	38.0248	94.0401	-910	PC	2.3	-1	8.3	-1	1.1	0	0.277	-1	2.171	-1	7.825	-1	1678	52	0.5
2347.2	10000	38.0248	94.0394	-913	PC	2.2	-1	8.1	-1	1.0	0	0.275	-1	2.143	-1	7.782	-1	1678	43	0.5
2347.1	10000	38.0248	94.0386	-918	PC	2.2	-1	8.4	-1	1.0	0	0.263	-1	2.200	-1	8.356	0	1684	50	0.5
2347.0	10000	38.0248	94.0378	-922	PC	2.3	-1	8.6	-1	1.0	0	0.269	-1	2.373	-1	8.829	0	1672	48	0.5
2346.9	10000	38.0248	94.0371	-926	PC	2.2	-1	8.7	0	0.9	-1	0.256	-1	2.382	-1	9.299	0	1650	40	0.5
2346.8	10000	38.0248	94.0363	-928	PC	2.4	-1	8.7	0	0.9	-1	0.270	-1	2.651	0	9.835	1	1644	51	0.5
2346.7	10000	38.0248	94.0356	-929	PC	2.3	-1	8.7	0	0.9	-1	0.267	-1	2.587	-1	9.701	1	1625	59	0.6
2346.6	10000	38.0248	94.0348	-929	PC	2.1	-1	8.6	-1	0.9	-1	0.247	-1	2.401	-1	9.706	1	1613	53	0.6
2346.5	10000	38.0248	94.0341	-928	PC	2.2	-1	8.5	-1	0.9	-1	0.265	-1	2.628	-1	9.902	1	1613	41	0.6
2346.4	10000	38.0248	94.0333	-927	PC	2.2	-1	8.5	-1	0.9	-1	0.263	-1	2.377	-1	9.050	1	1601	51	0.6
2346.3	10000	38.0248	94.0325	-924	PC	2.4	-1	8.5	-1	0.9	-1	0.297	-1	2.746	-1	9.248	0	1610	39	0.6
2346.2	10000	38.0248	94.0318	-921	PC	2.3	-1	8.5	-1	0.9	-1	0.269	-1	2.665	-1	9.900	1	1615	49	0.6
2346.1	10000	38.0247	94.0310	-916	PC	2.4	-1	8.5	-1	0.9	-1	0.277	-1	2.613	-1	9.419	0	1618	44	0.6
2346.0	10000	38.0247	94.0303	-912	PC	2.4	-1	8.5	-1	0.9	-1	0.277	-1	2.738	-1	9.871	1	1611	48	0.6
2345.9	10000	38.0247	94.0295	-907	PC	2.4	-1	8.5	-1	0.9	-1	0.308	-1	2.210	-1	10.427	1	1610	48	0.6
2345.8	10000	38.0247	94.0288	-903	PC	2.4	-1	8.5	-1	0.9	-1	0.306	-1	2.288	-1	10.746	1	1612	46	0.6
2345.7	10000	38.0247	94.0280	-898	PC	2.4	-1	8.5	-1	0.9	-1	0.316	-1	2.565	-1	11.286	2	1612	37	0.6
2345.6	10000	38.0247	94.0272	-894	PC	2.4	-1	8.5	-1	0.9	-1	0.311	-1	2.427	-1	11.013	2	1597	50	0.6
2345.5	10000	38.0247	94.0265	-889	PC	2.4	-1	8.5	-1	0.9	-1	0.350	-1	2.642	-1	11.406	2	1587	30	0.6
2345.4	10000	38.0247	94.0257	-885	PC	2.4	-1	8.5	-1	0.9	-1	0.379	-1	2.559	-1	10.986	2	1581	52	0.6
2345.3	10000	38.0247	94.0250	-882	PC	2.4	-1	8.5	-1	0.9	-1	0.407	-1	2.559	-1	11.207	2	1568	51	0.6
2345.2	10000	38.0247	94.0242	-880	PC	2.4	-1	8.5	-1	0.9	-1	0.391	-1	2.853	-1	10.493	2	1564	50	0.6
2345.1	10000	38.0247	94.0235	-879	PC	2.4	-1	8.5	-1	0.9	-1	0.352	-1	2.525	-1	10.949	2	1560	59	0.6
2345.0	10000	38.0247	94.0227	-879	PC	2.4	-1	8.5	-1	0.9	-1	0.312	-1	2.460	-1	11.281	2	1559	60	0.6
2344.9	10000	38.0247	94.0219	-879	PC	2.4	-1	8.5	-1	0.9	-1	0.304	-1	2.883	-1	11.385	2	1556	38	0.6
2344.8	10000	38.0247	94.0212	-880	PC	2.4	-1	8.5	-1	0.9	-1	0.314	-1	2.603	-1	11.756	2	1558	38	0.6
2344.7	10000	38.0247	94.0204	-882	PC	2.4	-1	8.5	-1	0.9	-1	0.270	-1	2.463	-1	11.402	2	1550	37	0.6
2344.6	10000	38.0247	94.0197	-885	PC	2.4	-1	8.5	-1	0.9	-1	0.256	-1	2.460	-1	11.095	2	1569	54	0.6
2344.5	10000	38.0247	94.0189	-893	PC	2.5	-1	8.5	-1	0.9	-1	0.264	-1	2.479	-1	11.479	2	1576	42	0.6
2344.4	10000	38.0247	94.0182	-893	PC	2.5	-1	8.5	-1	0.8	-1	0.296	-1	2.319	-1	11.222	2	1579	51	0.6

LINE 720 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2344.3	10000	38.0247	94.0174	-899	PC	2.8	0	8.4	-1	0.7	-2	0.337	0	3.845	1	11.419	2	1594	47	0.6
2344.2	10000	38.0247	94.0166	-904	PC	2.8	-1	8.3	-1	0.7	-2	0.336	0	3.877	1	11.551	2	1617	48	0.6
2344.1	10000	38.0247	94.0159	-910	PC	2.6	-1	8.3	-1	0.7	-1	0.319	0	3.536	1	11.089	2	1640	46	0.6
2344.0	10000	38.0247	94.0151	-915	PC	2.7	-1	8.7	0	0.8	-1	0.315	0	3.552	1	11.270	2	1675	41	0.6
2343.9	10000	38.0247	94.0144	-921	PC	2.8	0	8.9	0	0.8	-1	0.316	0	3.611	1	11.427	2	1701	45	0.6
2343.8	10000	38.0247	94.0136	-927	PC	2.9	0	8.9	0	0.8	-1	0.323	0	3.574	1	11.074	2	1712	34	0.6
2343.7	10000	38.0247	94.0129	-933	PC	2.7	-1	9.1	0	0.8	-1	0.301	-1	3.369	0	11.196	2	1732	33	0.6
2343.6	10000	38.0247	94.0121	-940	PC	2.7	-1	9.0	0	0.8	-1	0.297	-1	3.167	0	10.675	1	1740	44	0.6
2343.5	10000	38.0247	94.0113	-946	PC	2.6	-1	8.9	0	0.8	-1	0.288	-1	3.029	0	10.512	1	1743	47	0.6
2343.4	10000	38.0247	94.0106	-952	PC	2.6	-1	9.3	0	0.9	-1	0.275	-1	2.993	0	10.881	1	1746	47	0.6
2343.3	10000	38.0247	94.0098	-959	PC	2.4	-1	9.4	0	0.8	-1	0.259	-1	2.886	0	11.141	2	1745	50	0.6
2343.2	10000	38.0247	94.0091	-966	PC	2.7	-1	9.2	0	0.8	-1	0.292	-1	3.185	0	10.890	1	1734	44	0.6
2343.1	10000	38.0247	94.0083	-972	PC	2.6	-1	9.0	0	0.8	-1	0.292	-1	3.141	0	10.749	1	1725	53	0.6
2343.0	10000	38.0247	94.0076	-977	PC	2.6	-1	8.6	0	0.9	-1	0.297	-1	3.005	0	10.125	1	1704	33	0.6
2342.9	10000	38.0247	94.0068	-983	PC	2.5	-1	8.7	0	0.8	-1	0.291	-1	2.992	0	10.267	1	1696	46	0.6
2342.8	10000	38.0247	94.0060	-988	PC	2.8	-1	8.7	0	0.9	-1	0.318	0	3.122	0	9.816	1	1686	36	0.6
2342.7	10000	38.0247	94.0053	-991	PC	2.8	0	8.4	-1	0.9	-1	0.339	0	3.307	0	9.750	1	1668	50	0.6
2342.6	10000	38.0247	94.0045	-994	PC	2.8	-1	8.2	-1	0.9	-1	0.336	0	3.214	0	9.562	1	1644	36	0.6
2342.5	10000	38.0247	94.0038	-996	PC	2.6	-1	8.6	-1	0.8	-1	0.305	-1	3.172	0	10.398	1	1636	37	0.6
2342.4	10000	38.0247	94.0030	-998	PC	2.9	0	8.6	-1	0.8	-1	0.334	0	3.543	1	10.592	1	1636	49	0.6
2342.3	10000	38.0247	94.0023	-1000	PC	3.2	0	8.6	-1	0.8	-1	0.374	0	4.042	1	10.795	1	1641	52	0.6
2342.2	10000	38.0247	94.0015	-1000	PC	3.4	0	8.4	-1	0.8	-1	0.408	1	4.392	2	10.763	1	1636	37	0.6
2342.1	10000	38.0247	94.0007	-1000	PC	3.5	0	8.3	-1	0.7	-1	0.417	1	4.660	2	11.177	2	1635	50	0.6

GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-
A 1	690	E 5	700	I 9	710	M 13	720								
B 1	690	F 5	700	J 9	710										
C 1	690	G 5	700	K 9	710	A 14	720								
D 1	690	H 5	700	L 9	710	B 14	720								
E 1	690	I 5	700	M 9	710	C 14	720								
F 1	690	J 5	700			D 14	720								
G 1	690	K 5	700	A 10	710	E 14	720								
H 1	690	L 5	700	B 10	710	F 14	720								
I 1	690	M 5	700	C 10	710	G 14	720								
J 1	690			D 10	710	H 14	720								
K 1	690	A 6	700	E 10	710	I 14	720								
L 1	690	B 6	700	F 10	710	J 14	720								
M 1	690	C 6	700	G 10	710	K 14	720								
		D 6	700	H 10	710	L 14	720								
A 2	690	E 6	700	I 10	710	M 14	720								
B 2	690	F 6	700	J 10	710										
C 2	690	G 6	700	K 10	710	A 15	720								
D 2	690	H 6	700	L 10	710	B 15	720								
E 2	690	I 6	700	M 10	710	C 15	720								
F 2	690	J 6	700			D 15	720								
G 2	690	K 6	700	A 11	710	E 15	720								
H 2	690	L 6	700	B 11	710	F 15	720								
I 2	690	M 6	700	C 11	710	G 15	720								
J 2	690			D 11	710	H 15	720								
K 2	690	A 7	700	E 11	710	I 15	720								
L 2	690	B 7	700	F 11	710	J 15	720								
M 2	690	C 7	700	G 11	710	K 15	720								
		D 7	700	H 11	710	L 15	720								
A 3	690	E 7	700	I 11	710	M 15	720								
B 3	690	F 7	700	J 11	710										
C 3	690	G 7	700	K 11	710	A 16	720								
D 3	690	H 7	700	L 11	710	B 16	720								
E 3	690	I 7	700	M 11	710	C 16	720								
F 3	690	J 7	700			D 16	720								
G 3	690	K 7	700	A 12	710	E 16	720								
H 3	690	L 7	700	B 12	710	F 16	720								
I 3	690	M 7	700	C 12	710										
J 3	690			D 12	710										
K 3	690	A 8	700	E 12	710										
L 3	690	B 8	700	F 12	710										
M 3	690	C 8	700	G 12	720										
		D 8	700	H 12	720										
A 4	690	E 8	700	I 12	720										
B 4	690	F 8	700	J 12	720										
C 4	690	G 8	700	K 12	720										
D 4	690	H 8	700	L 12	720										
E 4	690	I 8	700	M 12	720										
F 4	690	J 8	700												
G 4	690	K 8	700	A 13	720										
H 4	690	L 8	700	B 13	720										
I 4	690	M 8	700	C 13	720										
J 4	690			D 13	720										
K 4	690	A 9	710	E 13	720										
L 4	690	B 9	710	F 13	720										
M 4	690	C 9	710	G 13	720										
		D 9	710	H 13	720										
A 5	700	E 9	710	I 13	720										
B 5	700	F 9	710	J 13	720										
C 5	700	G 9	710	K 13	720										
D 5	700	H 9	710	L 13	720										

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2556.5	10000	38.0004	95.8197	-1083	PS	1.9	-2	7.4	-2	0.8	-2	0.260	-1	2.373	-1	9.133	1	1465	53	0.4
2556.6	10000	38.0011	95.8197	-1080	PS	2.0	-2	7.4	-2	0.8	-2	0.275	-1	2.455	0	8.922	1	1469	41	0.4
2556.7	10000	38.0017	95.8197	-1077	PS	1.9	-2	7.5	-2	0.8	-2	0.254	-1	2.311	-1	9.095	1	1467	53	0.4
2556.8	10000	38.0024	95.8197	-1074	PS	1.8	-2	7.6	-2	0.8	-2	0.235	-2	2.135	-1	9.104	1	1463	53	0.4
2556.9	10000	38.0030	95.8197	-1071	PS	1.5	-2	7.8	-2	0.9	-2	0.187	-2	1.678	-2	8.965	1	1454	54	0.4
2557.0	10000	38.0037	95.8197	-1067	PS	1.6	-2	7.8	-2	0.9	-2	0.208	-2	1.860	-2	8.958	1	1440	48	0.4
2557.1	10000	38.0043	95.8197	-1066	PS	1.7	-2	7.6	-2	0.9	-2	0.224	-2	1.957	-1	8.749	0	1445	53	0.4
2557.2	10000	38.0050	95.8197	-1064	PS	1.7	-2	7.4	-2	0.8	-2	0.226	-2	1.967	-1	8.718	0	1442	37	0.4
2557.3	10000	38.0057	95.8197	-1061	PS	1.7	-2	7.5	-2	0.8	-2	0.232	-2	2.224	-1	9.591	1	1426	41	0.4
2557.4	10000	38.0063	95.8197	-1058	PS	1.9	-2	7.3	-2	0.7	-2	0.257	-1	2.516	0	9.802	1	1415	54	0.4
2557.5	10000	38.0070	95.8196	-1054	PS	2.1	-2	7.1	-2	0.7	-2	0.294	-1	3.004	1	10.205	2	1410	42	0.4
2557.6	10000	38.0076	95.8196	-1051	PS	2.2	-2	7.7	-2	0.6	-3	0.283	-1	3.361	1	11.874	3	1412	46	0.4
2557.7	10000	38.0083	95.8196	-1047	PS	2.1	-2	7.6	-2	0.6	-3	0.281	-1	3.445	1	12.246	3	1415	53	0.4
2557.8	10000	38.0089	95.8196	-1043	PS	2.3	-2	7.6	-2	0.6	-3	0.299	-1	3.691	2	12.335	3	1407	39	0.4
2557.9	10000	38.0096	95.8196	-1040	PS	2.2	-2	7.7	-2	0.6	-3	0.290	-1	3.795	2	13.067	3	1397	45	0.4
2558.0	10000	38.0102	95.8196	-1037	PS	2.2	-2	7.4	-2	0.6	-3	0.289	-1	3.519	2	12.174	3	1405	50	0.4
2558.1	10000	38.0109	95.8196	-1034	PS	2.2	-2	7.4	-2	0.6	-3	0.303	-1	3.604	2	11.890	3	1418	49	0.4
2558.2	10000	38.0115	95.8196	-1033	PS	2.3	-2	7.8	-2	0.6	-3	0.301	-1	3.781	2	12.558	3	1442	42	0.4
2558.3	10000	38.0122	95.8196	-1034	PS	2.3	-2	7.5	-2	0.6	-3	0.336	-1	3.971	2	11.812	3	1472	45	0.4
2558.4	10000	38.0128	95.8195	-1034	PS	2.3	-2	7.8	-2	0.7	-3	0.318	-1	3.731	2	11.745	3	1502	47	0.4
2558.5	10000	38.0135	95.8195	-1035	PS	2.2	-2	8.0	-2	0.7	-3	0.315	-1	3.717	2	11.812	3	1546	49	0.4
2558.6	10000	38.0142	95.8195	-1034	PS	2.2	-2	8.5	-2	0.8	-3	0.297	-1	3.281	1	11.064	3	1610	48	0.4
2558.7	10000	38.0148	95.8195	-1032	PS	2.1	-2	9.0	-2	0.8	-3	0.290	-1	3.103	1	10.717	3	1674	43	0.4
2558.8	10000	38.0155	95.8195	-1031	PS	2.0	-2	9.5	-2	0.9	-3	0.281	-1	2.961	1	10.546	3	1742	47	0.4
2558.9	10000	38.0161	95.8195	-1030	PS	1.9	-2	9.6	-2	0.9	-3	0.273	-1	2.768	1	10.121	3	1795	48	0.4
2559.0	10000	38.0168	95.8195	-1029	PS	1.7	-2	9.8	-2	1.0	-3	0.253	-1	2.437	0	9.641	3	1853	39	0.4
2559.1	10000	38.0174	95.8195	-1028	PS	1.6	-2	10.1	-2	1.0	-3	0.261	-1	2.626	0	10.055	3	1893	46	0.4
2559.2	10000	38.0181	95.8195	-1027	PS	1.5	-2	10.4	-2	1.0	-3	0.245	-1	2.506	0	10.454	3	1906	43	0.4
2559.3	10000	38.0187	95.8195	-1027	PS	1.6	-2	10.4	-2	1.0	-3	0.247	-1	2.558	0	10.366	3	1899	53	0.4
2559.4	10000	38.0194	95.8194	-1026	PS	1.4	-2	10.5	-2	1.0	-3	0.224	-1	2.354	-1	10.519	3	1878	47	0.4
2559.5	10000	38.0200	95.8194	-1027	PS	1.2	-2	10.6	-2	1.0	-3	0.205	-1	2.204	-1	10.755	3	1853	57	0.4
2559.6	10000	38.0207	95.8194	-1027	PS	2.2	-2	10.4	-2	1.0	-3	0.212	-1	2.257	-1	10.629	3	1821	42	0.4
2559.7	10000	38.0213	95.8194	-1027	PS	2.2	-2	10.2	-2	1.0	-3	0.214	-1	2.351	-1	10.991	3	1765	49	0.4
2559.8	10000	38.0220	95.8194	-1027	PS	2.2	-2	10.1	-2	1.0	-3	0.218	-1	2.378	-1	10.976	3	1735	40	0.4
2559.9	10000	38.0227	95.8194	-1027	PS	2.0	-2	9.9	-2	0.9	-3	0.202	-1	2.188	-1	10.795	3	1701	44	0.4
2560.0	10000	38.0233	95.8194	-1028	PS	2.0	-2	9.7	-2	0.9	-3	0.209	-1	2.225	-1	10.707	3	1662	50	0.4
2560.1	10000	38.0240	95.8194	-1029	PS	2.1	-2	9.5	-2	0.8	-3	0.222	-1	2.247	-1	10.733	3	1647	44	0.4
2560.2	10000	38.0246	95.8194	-1030	PS	2.0	-2	9.0	-2	0.8	-3	0.220	-1	2.234	-1	10.945	3	1604	55	0.4
2560.3	10000	38.0253	95.8194	-1031	PS	1.9	-2	8.6	-2	0.8	-3	0.220	-1	2.250	-1	10.945	3	1563	49	0.4
2560.4	10000	38.0259	95.8193	-1032	PS	1.7	-2	8.2	-2	0.7	-3	0.210	-1	2.109	-1	10.594	3	1521	43	0.4
2560.5	10000	38.0266	95.8193	-1033	PS	1.7	-2	7.8	-2	0.7	-3	0.219	-1	2.210	-1	10.745	3	1465	44	0.4
2560.6	10000	38.0272	95.8193	-1034	PS	1.6	-2	7.5	-2	0.6	-3	0.213	-1	2.150	-1	10.594	3	1429	44	0.4
2560.7	10000	38.0279	95.8193	-1035	PS	1.7	-2	7.2	-2	0.6	-3	0.236	-1	2.384	-1	10.119	3	1400	55	0.4
2560.8	10000	38.0285	95.8193	-1036	PS	1.7	-2	7.0	-2	0.6	-3	0.242	-1	2.445	-1	10.119	3	1366	49	0.4
2560.9	10000	38.0292	95.8193	-1038	PS	1.7	-2	6.9	-2	0.6	-3	0.246	-1	2.484	-1	10.119	3	1331	53	0.4
2561.0	10000	38.0305	95.8193	-1040	PS	1.7	-2	6.9	-2	0.6	-3	0.246	-1	2.484	-1	10.119	3	1320	44	0.4
2561.1	10000	38.0312	95.8193	-1041	PS	1.7	-2	6.9	-2	0.6	-3	0.246	-1	2.484	-1	10.119	3	1342	44	0.4
2561.2	10000	38.0318	95.8192	-1042	PS	1.7	-2	6.9	-2	0.6	-3	0.246	-1	2.484	-1	10.119	3	1381	44	0.4
2561.3	10000	38.0324	95.8192	-1044	PS	1.7	-2	6.9	-2	0.6	-3	0.246	-1	2.484	-1	10.119	3	1399	44	0.4
2561.4	10000	38.0331	95.8192	-1046	PS	1.7	-2	6.9	-2	0.6	-3	0.246	-1	2.484	-1	10.119	3	1421	44	0.4
2561.5	10000	38.0338	95.8192	-1048	PS	1.7	-2	6.9	-2	0.6	-3	0.246	-1	2.484	-1	10.119	3	1447	44	0.4
2561.6	10000					1.7	-2	6.9	-2	0.6	-3	0.246	-1	2.484	-1	10.119	3	1476	44	0.4

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2561.7	10000	38.0344	95.8192	-1050	PS	2.7	-1	7.2	-2	0.8	-2	0.375	1	3.269	1	8.718	0	1491	54	0.4
2561.8	10000	38.0351	95.8192	-1052	PS	2.5	-1	7.0	-2	0.8	-2	0.358	1	3.002	1	8.393	0	1485	42	0.4
2561.9	10000	38.0357	95.8192	-1054	PS	2.4	-1	7.1	-2	0.8	-2	0.344	0	3.055	1	8.872	0	1468	42	0.4
2562.0	10000	38.0364	95.8192	-1055	PS	2.4	-2	7.7	-2	0.8	-2	0.309	0	3.025	1	9.802	1	1477	57	0.4
2562.1	10000	38.0370	95.8192	-1057	PS	2.2	-2	8.1	-1	0.8	-2	0.276	-1	2.960	1	10.720	2	1481	42	0.4
2562.2	10000	38.0377	95.8192	-1058	PS	2.1	-2	8.2	-1	0.7	-3	0.259	-1	3.023	1	11.666	3	1476	51	0.4
2562.3	10000	38.0383	95.8191	-1059	PS	2.1	-2	8.2	-1	0.7	-3	0.255	-1	3.001	1	11.772	3	1480	53	0.4
2562.4	10000	38.0390	95.8191	-1060	PS	2.0	-2	8.3	-1	0.7	-2	0.245	-1	2.736	0	11.157	2	1514	42	0.4
2562.5	10000	38.0396	95.8191	-1061	PS	1.9	-2	8.7	-1	0.8	-2	0.222	-2	2.366	-1	10.646	2	1567	63	0.4
2562.6	10000	38.0403	95.8191	-1062	PS	1.9	-2	9.2	0	0.9	-2	0.210	-2	2.156	-1	10.279	2	1636	37	0.4
2562.7	10000	38.0410	95.8191	-1063	PS	1.9	-3	9.3	0	1.0	-1	0.204	-2	1.966	-1	9.639	1	1708	44	0.4
2562.8	10000	38.0416	95.8191	-1064	PS	2.0	-2	9.5	0	1.0	-1	0.213	-2	2.059	-1	9.678	1	1762	39	0.4
2562.9	10000	38.0423	95.8191	-1064	PS	2.2	-2	9.6	0	1.1	-1	0.225	-2	2.034	-1	9.033	1	1829	43	0.4
2563.0	10000	38.0429	95.8191	-1065	PS	2.3	-2	10.2	1	1.1	0	0.221	-2	2.045	-1	9.261	1	1892	26	0.4
2563.1	10000	38.0436	95.8191	-1065	PS	2.2	-2	10.7	1	1.1	0	0.209	-2	1.961	-1	9.380	1	1940	45	0.4
2563.2	10000	38.0442	95.8190	-1065	PS	2.5	-1	11.1	1	1.1	0	0.223	-2	2.239	-1	10.031	1	1960	66	0.4
2563.3	10000	38.0449	95.8190	-1065	PS	2.7	-1	10.7	1	1.1	0	0.250	-1	2.433	-1	9.715	1	1953	39	0.4
2563.4	10000	38.0455	95.8190	-1065	PS	2.7	-1	10.8	1	1.1	0	0.253	-1	2.502	0	9.869	1	1939	47	0.4
2563.5	10000	38.0462	95.8190	-1066	PS	2.7	-1	10.8	1	1.1	0	0.252	-1	2.432	-1	9.656	1	1931	42	0.4
2563.6	10000	38.0468	95.8190	-1066	PS	2.6	-1	11.3	2	1.1	0	0.226	-2	2.278	-1	10.097	1	1909	46	0.4
2563.7	10000	38.0475	95.8190	-1066	PS	2.6	-1	11.1	1	1.1	0	0.238	-2	2.381	-1	10.022	1	1883	45	0.4
2563.8	10000	38.0481	95.8190	-1067	PS	2.3	-2	10.6	1	1.1	-1	0.221	-2	2.200	-1	9.936	1	1835	54	0.4
2563.9	10000	38.0488	95.8190	-1067	PS	2.2	-2	10.0	1	1.1	-1	0.224	-2	2.072	-1	9.262	1	1797	41	0.4
2564.0	10000	38.0494	95.8190	-1068	PS	2.1	-2	10.3	1	1.1	-1	0.206	-2	1.966	-1	9.538	1	1780	49	0.4
2564.1	10000	38.0501	95.8190	-1068	PS	2.1	-2	9.6	0	1.0	-1	0.218	-2	2.038	-1	9.348	1	1730	50	0.4
2564.2	10000	38.0508	95.8190	-1068	PS	2.0	-2	8.8	-1	1.0	-1	0.225	-2	2.045	-1	9.083	1	1667	50	0.4
2564.3	10000	38.0514	95.8189	-1068	PS	2.0	-2	7.7	-2	0.9	-1	0.258	-1	2.170	-1	8.410	0	1609	61	0.4
2564.4	10000	38.0521	95.8189	-1068	PS	1.8	-3	7.0	-2	0.9	-2	0.258	-1	2.071	-1	8.026	0	1523	53	0.4
2564.5	10000	38.0527	95.8189	-1068	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1452	49	0.4
2564.6	10000	38.0534	95.8189	-1068	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1385	49	0.4
2564.7	10000	38.0540	95.8189	-1068	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1305	42	0.4
2564.8	10000	38.0547	95.8189	-1067	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1255	53	0.4
2564.9	10000	38.0553	95.8189	-1067	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1241	50	0.4
2565.0	10000	38.0560	95.8189	-1067	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1242	52	0.4
2565.1	10000	38.0566	95.8188	-1067	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1274	46	0.4
2565.2	10000	38.0573	95.8188	-1067	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1305	45	0.4
2565.3	10000	38.0579	95.8188	-1067	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1339	52	0.4
2565.4	10000	38.0586	95.8188	-1066	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1379	55	0.4
2565.5	10000	38.0593	95.8188	-1067	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1403	46	0.4
2565.6	10000	38.0599	95.8188	-1067	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1419	47	0.4
2565.7	10000	38.0606	95.8188	-1067	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1424	43	0.4
2565.8	10000	38.0612	95.8188	-1066	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1425	55	0.4
2565.9	10000	38.0619	95.8188	-1067	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1426	43	0.4
2566.0	10000	38.0625	95.8188	-1066	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1417	43	0.4
2566.1	10000	38.0632	95.8188	-1064	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1420	48	0.4
2566.2	10000	38.0639	95.8188	-1059	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1446	39	0.4
2566.3	10000	38.0646	95.8188	-1050	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1457	50	0.4
2566.4	10000	38.0652	95.8188	-1043	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1464	46	0.4
2566.5	10000	38.0659	95.8188	-1052	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1471	44	0.4
2566.6	10000	38.0666	95.8190	-1064	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1474	41	0.4
2566.7	10000	38.0672	95.8190	-1070	PS	1.9	-2	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1487	43	0.4
2566.8	10000	38.0679	95.8190	-1070	PS	2.1	-1	7.0	-2	0.9	-2	0.271	-1	2.071	-1	8.157	0	1500	47	0.4

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2566.9	10000	38.0686	95.8190	-1071	PS	1.9	-2	7.4	-2	1.0	-1	0.258	-1	1.974	-1	7.638	-1	1518	50	0.4
2567.0	10000	38.0692	95.8190	-1071	PS	1.9	-3	7.5	-2	1.0	-1	0.249	-1	1.849	-2	7.440	-1	1554	43	0.4
2567.1	10000	38.0699	95.8191	-1071	PS	1.9	-2	7.5	-2	1.0	-1	0.256	-1	1.866	-2	7.297	-1	1581	53	0.4
2567.2	10000	38.0706	95.8191	-1071	PS	2.0	-2	7.5	-2	1.0	-1	0.263	-1	1.988	-1	7.567	-1	1612	35	0.4
2567.3	10000	38.0712	95.8191	-1072	PS	2.3	-2	8.3	-1	1.0	-1	0.282	-1	2.390	-1	8.489	0	1643	49	0.4
2567.4	10000	38.0719	95.8191	-1073	PS	2.2	-2	8.3	-1	1.0	-1	0.265	-1	2.262	-1	8.550	0	1674	56	0.4
2567.5	10000	38.0726	95.8192	-1072	PS	2.2	-2	8.5	-1	1.0	-1	0.258	-1	2.248	-1	8.723	0	1686	57	0.4
2567.6	10000	38.0732	95.8192	-1073	PS	2.3	-2	8.6	-1	1.0	-1	0.267	-1	2.365	-1	8.864	0	1681	47	0.4
2567.7	10000	38.0739	95.8192	-1073	PS	2.4	-1	8.7	-1	1.0	-1	0.276	-1	2.441	0	8.860	0	1661	55	0.4
2567.8	10000	38.0746	95.8192	-1072	PS	2.4	-1	8.6	-1	1.0	-1	0.283	-1	2.448	0	8.647	0	1655	50	0.4
2567.9	10000	38.0752	95.8192	-1073	PS	2.3	-2	8.9	-1	1.0	-1	0.262	-1	2.316	-1	8.841	0	1651	48	0.4
2568.0	10000	38.0759	95.8193	-1073	PS	2.4	-2	8.5	-1	1.0	-1	0.277	-1	2.380	-1	8.595	0	1659	40	0.4
2568.1	10000	38.0766	95.8193	-1073	PS	2.4	-1	8.6	-1	1.0	-1	0.281	-1	2.426	-1	8.627	0	1643	54	0.4
2568.2	10000	38.0773	95.8193	-1073	PS	2.4	-2	7.8	-2	1.0	-1	0.304	0	2.392	-1	7.865	0	1637	50	0.4
2568.3	10000	38.0779	95.8193	-1074	PS	2.4	-1	8.1	-1	1.0	-1	0.299	-1	2.514	0	8.417	0	1634	58	0.4
2568.4	10000	38.0786	95.8194	-1073	PS	2.2	-2	8.0	-1	1.0	-1	0.281	-1	2.351	-1	8.377	0	1632	36	0.4
2568.5	10000	38.0793	95.8194	-1073	PS	2.3	-2	8.4	-1	0.9	-1	0.276	-1	2.496	0	9.053	1	1630	29	0.4
2568.6	10000	38.0799	95.8194	-1073	PS	2.4	-2	8.2	-1	0.9	-2	0.290	-1	2.668	0	9.188	1	1628	51	0.4
2568.7	10000	38.0806	95.8194	-1074	PS	2.4	-1	8.2	-1	0.9	-2	0.293	-1	2.681	0	9.164	1	1614	48	0.4
2568.8	10000	38.0813	95.8194	-1073	PS	2.3	-2	8.1	-1	0.9	-2	0.289	-1	2.617	0	9.049	1	1615	48	0.4
2568.9	10000	38.0819	95.8195	-1073	PS	2.4	-2	8.4	-1	0.9	-2	0.285	-1	2.746	0	9.631	1	1617	45	0.4
2569.0	10000	38.0826	95.8195	-1072	PS	2.5	-1	8.1	-1	0.9	-2	0.314	0	2.947	0	9.391	1	1605	34	0.4
2569.1	10000	38.0833	95.8195	-1071	PS	2.7	-1	8.4	-1	0.8	-2	0.326	0	3.251	1	9.970	1	1604	63	0.4
2569.2	10000	38.0839	95.8195	-1069	PS	2.7	-1	8.7	-1	0.8	-2	0.310	0	3.320	1	10.710	2	1605	51	0.4
2569.3	10000	38.0846	95.8196	-1071	PS	2.8	-1	8.7	-1	0.8	-2	0.318	0	3.487	2	10.973	2	1595	53	0.4
2569.4	10000	38.0853	95.8196	-1073	PS	2.5	-1	8.9	-1	0.8	-2	0.281	-1	3.186	1	11.350	2	1593	52	0.4
2569.5	10000	38.0859	95.8196	-1073	PS	2.6	-1	9.1	0	0.8	-2	0.284	-1	3.216	1	11.340	2	1587	46	0.4
2569.6	10000	38.0866	95.8196	-1073	PS	2.6	-1	8.8	-1	0.8	-2	0.292	-1	3.214	1	11.010	2	1569	52	0.4
2569.7	10000	38.0873	95.8197	-1072	PS	2.5	-1	8.6	-1	0.8	-2	0.289	-1	3.290	1	11.399	2	1564	44	0.4
2569.8	10000	38.0879	95.8197	-1072	PS	2.4	-2	8.6	-1	0.8	-2	0.279	-1	3.102	1	11.133	2	1550	51	0.4
2569.9	10000	38.0886	95.8197	-1071	PS	2.4	-2	8.8	-1	0.8	-2	0.297	-1	3.006	1	10.116	2	1545	46	0.4
2570.0	10000	38.0893	95.8197	-1071	PS	2.1	-2	8.8	-1	0.8	-2	0.263	-1	2.565	1	9.743	1	1550	51	0.4
2570.1	10000	38.0900	95.8197	-1071	PS	2.2	-2	8.8	-1	0.8	-2	0.268	-1	2.684	1	10.017	2	1556	45	0.4
2570.2	10000	38.0906	95.8198	-1070	PS	2.0	-2	8.8	-1	0.8	-2	0.235	-1	2.494	1	10.620	2	1559	45	0.4
2570.3	10000	38.0913	95.8198	-1070	PS	2.1	-2	8.8	-1	0.8	-2	0.228	-2	2.599	2	11.386	2	1580	48	0.4
2570.4	10000	38.0920	95.8198	-1070	PS	2.1	-2	8.8	-1	0.8	-2	0.227	-2	2.437	2	10.750	2	1605	45	0.4
2570.5	10000	38.0926	95.8198	-1070	PS	2.1	-2	8.8	-1	0.8	-2	0.237	-2	2.512	2	10.619	2	1626	45	0.4
2570.6	10000	38.0933	95.8199	-1069	PS	2.1	-2	8.8	-1	0.8	-2	0.219	-2	2.399	2	10.970	2	1651	58	0.4
2570.7	10000	38.0940	95.8199	-1069	PS	2.1	-2	8.8	-1	0.8	-2	0.230	-2	2.609	2	11.320	2	1675	44	0.4
2570.8	10000	38.0946	95.8199	-1069	PS	2.2	-2	8.8	-1	0.8	-2	0.240	-2	2.551	2	10.637	2	1698	33	0.4
2570.9	10000	38.0953	95.8199	-1069	PS	2.2	-2	8.8	-1	0.8	-2	0.257	-1	2.617	2	10.178	2	1728	48	0.4
2571.0	10000	38.0960	95.8199	-1068	PS	2.2	-2	8.8	-1	0.8	-2	0.253	-1	2.571	2	10.170	2	1758	59	0.4
2571.1	10000	38.0966	95.8200	-1069	PS	2.3	-2	8.8	-1	0.8	-2	0.241	-2	2.527	2	10.484	2	1760	42	0.4
2571.2	10000	38.0973	95.8200	-1068	PS	2.3	-2	8.8	-1	0.8	-2	0.231	-2	2.442	2	10.579	2	1783	51	0.4
2571.3	10000	38.0980	95.8200	-1069	PS	2.4	-2	8.8	-1	0.8	-2	0.237	-2	2.541	2	10.725	2	1785	57	0.4
2571.4	10000	38.0986	95.8201	-1069	PS	2.4	-2	8.8	-1	0.8	-2	0.225	-2	2.464	2	10.962	2	1789	41	0.4
2571.5	10000	38.0993	95.8201	-1069	PS	2.4	-2	8.8	-1	0.8	-2	0.220	-2	2.376	2	10.819	2	1782	49	0.4
2571.6	10000	38.1000	95.8201	-1070	PS	2.4	-2	8.8	-1	0.8	-2	0.215	-2	2.312	2	10.758	2	1783	44	0.4
2571.7	10000	38.1007	95.8201	-1070	PS	2.4	-2	8.8	-1	0.8	-2	0.204	-2	2.168	2	10.607	2	1769	43	0.4
2571.8	10000	38.1013	95.8201	-1070	PS	2.4	-2	8.8	-1	0.8	-2	0.203	-2	2.161	2	10.637	2	1784	48	0.4
2571.9	10000	38.1020	95.8201	-1070	PS	2.4	-2	8.8	-1	0.8	-2	0.205	-2	2.203	2	10.866	2	1800	48	0.4
2572.0	10000	38.1027	95.8202	-1069	PS	2.3	-2	8.6	-1	0.8	-2	0.221	-2	2.299	2	10.395	2	1824	41	0.4

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2572.1	10000	38.1033	95.8202	-1069	PS	2.4	-1	10.2	1	1.0	-1	0.239	-2	2.477	0	10.353	2	1844	39	0.4
2572.2	10000	38.1040	95.8202	-1069	PS	2.6	-1	10.5	1	1.0	-1	0.246	-1	2.587	0	10.517	2	1873	49	0.4
2572.3	10000	38.1047	95.8202	-1069	PS	2.8	-1	10.7	1	1.0	-1	0.259	-1	2.854	0	11.025	2	1893	56	0.4
2572.4	10000	38.1053	95.8203	-1068	PS	2.9	0	10.5	1	0.9	-1	0.276	-1	3.081	1	11.174	2	1906	50	0.4
2572.5	10000	38.1060	95.8203	-1068	PS	3.0	0	10.6	1	0.9	-1	0.284	-1	3.250	1	11.428	3	1904	52	0.4
2572.6	10000	38.1067	95.8203	-1067	PS	2.9	-1	10.3	1	0.9	-2	0.278	-1	3.285	1	11.808	3	1866	48	0.4
2572.7	10000	38.1073	95.8203	-1066	PS	2.7	-1	10.2	1	0.8	-2	0.268	-1	3.231	1	12.054	3	1813	52	0.4
2572.8	10000	38.1080	95.8203	-1065	PS	2.7	-1	9.7	0	0.8	-2	0.278	-1	3.199	1	11.490	3	1773	49	0.4
2572.9	10000	38.1087	95.8204	-1064	PS	2.6	-1	9.7	0	0.8	-2	0.267	-1	3.305	1	12.397	3	1717	51	0.4
2573.0	10000	38.1093	95.8204	-1063	PS	2.6	-1	9.4	0	0.8	-2	0.275	-1	3.418	1	12.414	3	1682	37	0.4
2573.1	10000	38.1100	95.8204	-1061	PS	2.5	-1	9.3	0	0.8	-2	0.264	-1	3.082	1	11.665	3	1659	47	0.4
2573.2	10000	38.1107	95.8204	-1060	PS	2.3	-2	8.7	-1	0.8	-2	0.268	-1	2.876	0	10.745	2	1635	40	0.4
2573.3	10000	38.1113	95.8204	-1059	PS	2.4	-2	8.5	-1	0.8	-2	0.281	-1	2.838	0	10.083	1	1645	55	0.4
2573.4	10000	38.1120	95.8205	-1057	PS	2.4	-2	8.6	-1	0.8	-2	0.278	-1	2.883	0	10.368	2	1660	51	0.4
2573.5	10000	38.1127	95.8205	-1056	PS	2.4	-2	8.7	-1	0.8	-2	0.271	-1	2.824	0	10.437	2	1658	45	0.4
2573.6	10000	38.1133	95.8205	-1054	PS	2.5	-1	8.4	-1	0.9	-2	0.294	-1	2.906	0	9.898	1	1663	40	0.4
2573.7	10000	38.1140	95.8205	-1051	PS	2.4	-1	8.4	-1	0.8	-2	0.290	-1	2.868	0	9.900	1	1657	49	0.4
2573.8	10000	38.1147	95.8206	-1049	PS	2.4	-1	8.1	-1	0.8	-2	0.303	0	2.987	1	9.847	1	1652	40	0.4
2573.9	10000	38.1154	95.8206	-1048	PS	2.6	-1	8.6	-1	0.8	-2	0.302	0	3.270	1	10.843	2	1643	50	0.4
2574.0	10000	38.1160	95.8206	-1046	PS	2.7	-1	8.4	-1	0.8	-2	0.325	0	3.520	2	10.846	2	1633	56	0.3
2574.1	10000	38.1167	95.8206	-1043	PS	2.9	0	8.2	-1	0.8	-2	0.360	1	3.625	2	10.056	1	1644	52	0.3
2574.2	10000	38.1174	95.8206	-1041	PS	3.1	0	8.1	-1	0.9	-2	0.387	1	3.669	2	9.481	1	1666	66	0.3
2574.3	10000	38.1180	95.8207	-1039	PS	3.1	0	8.2	-1	0.9	-1	0.384	1	3.377	1	8.801	0	1697	46	0.3
2574.4	10000	38.1187	95.8207	-1037	PS	3.1	0	8.4	-1	1.0	-1	0.377	1	3.133	1	8.314	0	1750	36	0.3
2574.5	10000	38.1194	95.8207	-1034	PS	3.4	1	9.1	-1	1.1	-1	0.376	1	3.160	1	8.402	0	1814	47	0.3
2574.6	10000	38.1200	95.8207	-1032	PPS	3.2	1	9.3	-1	1.0	-1	0.339	0	2.839	0	8.382	0	1870	42	0.3
2574.7	10000	38.1207	95.8208	-1031	PPS	3.1	1	9.6	0	1.1	-1	0.327	0	2.660	0	8.136	0	1920	38	0.3
2574.8	10000	38.1214	95.8208	-1030	PPS	3.1	1	9.4	0	1.1	-1	0.318	0	2.556	0	8.050	0	1940	38	0.3
2574.9	10000	38.1220	95.8208	-1028	PPS	3.1	1	9.6	0	1.1	-1	0.306	0	2.567	0	8.386	0	1985	50	0.3
2575.0	10000	38.1227	95.8208	-1027	PPS	2.8	1	9.4	0	1.0	-1	0.279	0	2.402	0	8.613	0	2001	45	0.3
2575.1	10000	38.1234	95.8208	-1026	PPS	2.8	1	10.0	1	1.1	-1	0.273	0	2.330	0	8.549	0	2002	43	0.3
2575.2	10000	38.1240	95.8209	-1026	PPS	2.7	1	10.1	1	1.1	-1	0.249	0	2.076	0	8.336	0	1961	56	0.3
2575.3	10000	38.1247	95.8209	-1025	PPS	2.7	1	9.7	0	1.1	-1	0.283	0	2.356	0	8.334	0	1953	48	0.3
2575.4	10000	38.1254	95.8209	-1025	PPS	2.7	1	9.7	0	1.1	-1	0.266	0	2.266	0	8.521	0	1946	47	0.3
2575.5	10000	38.1261	95.8209	-1026	PPS	2.5	1	9.4	0	1.1	-1	0.240	0	2.107	0	8.766	0	1960	44	0.3
2575.6	10000	38.1267	95.8210	-1026	PPS	2.5	1	10.1	1	1.2	-1	0.244	0	2.029	0	8.305	0	1949	29	0.3
2575.7	10000	38.1274	95.8210	-1026	PPS	2.7	1	10.0	1	1.2	-1	0.249	0	2.100	0	8.437	0	1953	50	0.3
2575.8	10000	38.1281	95.8210	-1027	PPS	2.9	1	9.9	0	1.2	-1	0.274	0	2.345	0	8.570	0	1938	53	0.3
2575.9	10000	38.1287	95.8210	-1028	PPS	2.9	1	9.9	0	1.2	-1	0.288	0	2.443	0	8.467	0	1962	52	0.3
2576.0	10000	38.1294	95.8211	-1028	PPS	3.1	1	9.9	0	1.2	-1	0.293	0	2.431	0	8.309	0	1966	51	0.3
2576.1	10000	38.1301	95.8211	-1028	PPS	3.1	1	9.9	0	1.2	-1	0.312	0	2.571	0	7.978	0	1967	49	0.3
2576.2	10000	38.1307	95.8211	-1029	PPS	3.1	1	9.9	0	1.2	-1	0.332	0	2.569	0	7.738	0	1951	50	0.3
2576.3	10000	38.1314	95.8211	-1030	PPS	3.1	1	9.9	0	1.2	-1	0.301	0	2.336	0	7.769	0	1911	52	0.3
2576.4	10000	38.1321	95.8211	-1030	PPS	3.1	1	9.9	0	1.2	-1	0.314	0	2.473	0	7.870	0	1880	48	0.3
2576.5	10000	38.1327	95.8212	-1031	PPS	3.1	1	9.9	0	1.2	-1	0.276	0	2.170	0	7.862	0	1858	43	0.3
2576.6	10000	38.1334	95.8212	-1032	PPS	3.1	1	9.9	0	1.2	-1	0.269	0	2.138	0	7.958	0	1817	45	0.3
2576.7	10000	38.1341	95.8212	-1032	PPS	3.1	1	9.9	0	1.2	-1	0.264	0	1.992	0	7.552	0	1787	45	0.3
2576.8	10000	38.1347	95.8213	-1032	PPS	3.1	1	9.9	0	1.2	-1	0.235	0	1.913	0	7.153	0	1751	44	0.3
2576.9	10000	38.1354	95.8213	-1032	PPS	3.1	1	9.9	0	1.2	-1	0.216	0	1.844	0	7.539	0	1726	45	0.3
2577.0	10000	38.1361	95.8213	-1032	PPS	3.1	1	9.9	0	1.2	-1	0.245	0	1.560	0	7.875	0	1717	49	0.3
2577.1	10000	38.1367	95.8213	-1033	PPS	3.1	1	9.9	0	1.2	-1	0.235	0	1.553	0	7.747	0	1684	61	0.3
2577.2	10000	38.1374	95.8213	-1035	PPS	3.1	1	9.9	0	1.2	-1	0.261	0	2.324	0	8.909	0	1665	52	0.3

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2577.3	10000	38.1381	95.8214	-1034	PS	2.5	-1	8.9	-1	1.0	-1	0.277	-1	2.582	0	9.309	1	1645	58	0.3
2577.4	10000	38.1387	95.8214	-1033	PS	2.5	-1	9.0	-1	0.9	-1	0.276	-1	2.671	0	9.688	1	1623	48	0.3
2577.5	10000	38.1394	95.8214	-1032	PS	2.5	-1	8.6	-1	0.9	-1	0.294	-1	2.744	0	9.320	1	1617	41	0.3
2577.6	10000	38.1401	95.8214	-1032	PS	2.6	-1	8.7	-1	1.0	-1	0.297	-1	2.671	0	8.988	1	1618	59	0.3
2577.7	10000	38.1407	95.8214	-1034	PS	2.4	-2	8.8	-1	1.0	-1	0.271	-1	2.488	0	9.193	1	1614	55	0.3
2577.8	10000	38.1413	95.8214	-1034	PS	2.6	-1	8.4	-1	0.9	-1	0.310	0	2.814	0	9.091	1	1628	48	0.3
2577.9	10000	38.1420	95.8214	-1034	PS	2.5	-1	8.3	-1	0.9	-2	0.298	-1	2.806	0	9.422	1	1623	58	0.3
2578.0	10000	38.1426	95.8214	-1034	PS	2.5	-1	8.5	-1	0.9	-1	0.290	-1	2.719	0	9.364	1	1630	41	0.3
2578.1	10000	38.1433	95.8214	-1034	PS	2.4	-1	8.4	-1	0.9	-1	0.288	-1	2.640	0	9.181	1	1626	42	0.3
2578.2	10000	38.1439	95.8214	-1033	PS	2.4	-2	8.9	-1	0.9	-1	0.266	-1	2.597	0	9.772	1	1633	55	0.3
2578.3	10000	38.1445	95.8214	-1033	PS	2.4	-1	8.6	-1	0.8	-2	0.283	-1	2.919	0	10.301	2	1625	48	0.3
2578.4	10000	38.1452	95.8214	-1033	PS	2.5	-1	8.6	-1	0.8	-2	0.288	-1	2.946	0	10.242	2	1645	48	0.3
2578.5	10000	38.1458	95.8214	-1032	PS	2.2	-2	9.1	0	0.9	-2	0.239	-2	2.529	0	10.580	2	1643	67	0.3
2578.6	10000	38.1465	95.8214	-1031	PS	2.2	-2	9.5	0	0.9	-2	0.234	-2	2.465	0	10.511	2	1658	54	0.3
2578.7	10000	38.1471	95.8214	-1031	PS	2.2	-2	9.5	0	0.9	-2	0.232	-2	2.479	0	10.677	2	1666	51	0.3
2578.8	10000	38.1478	95.8214	-1030	PS	2.2	-2	9.8	0	0.9	-1	0.221	-2	2.384	-1	10.776	2	1692	61	0.3
2578.9	10000	38.1484	95.8214	-1029	PS	2.3	-2	9.5	0	0.9	-2	0.238	-2	2.538	0	10.643	2	1688	44	0.3
2579.0	10000	38.1490	95.8214	-1029	PS	2.3	-2	9.8	0	0.9	-2	0.236	-2	2.589	0	10.974	2	1687	47	0.3
2579.1	10000	38.1497	95.8214	-1028	PS	2.2	-2	9.7	0	0.9	-1	0.230	-2	2.443	0	10.642	2	1675	50	0.3
2579.2	10000	38.1503	95.8214	-1027	PS	2.2	-2	9.7	0	0.9	-1	0.229	-2	2.382	-1	10.417	2	1689	47	0.3
2579.3	10000	38.1510	95.8213	-1027	PS	2.2	-2	9.5	0	1.0	-1	0.228	-2	2.274	-1	9.974	1	1694	50	0.3
2579.4	10000	38.1516	95.8213	-1025	PS	2.0	-2	9.5	0	1.0	-1	0.211	-2	2.072	-1	9.829	1	1687	53	0.3
2579.5	10000	38.1523	95.8213	-1024	PS	2.1	-2	9.3	0	0.9	-1	0.228	-2	2.232	-1	9.794	1	1683	61	0.3
2579.6	10000	38.1529	95.8213	-1023	PS	2.1	-2	9.1	-1	1.0	-1	0.227	-2	2.142	-1	9.442	1	1679	55	0.3
2579.7	10000	38.1535	95.8213	-1021	PS	2.0	-2	9.2	0	1.0	-1	0.214	-2	1.963	-1	9.182	1	1688	45	0.3
2579.8	10000	38.1542	95.8213	-1021	PS	2.0	-2	9.0	-1	1.0	-1	0.227	-2	2.101	-1	9.244	1	1696	42	0.3
2579.9	10000	38.1548	95.8213	-1019	PS	2.2	-2	9.0	0	1.0	-1	0.242	-2	2.421	-1	9.386	1	1688	44	0.3
2580.0	10000	38.1555	95.8213	-1018	PS	2.3	-2	9.1	0	1.0	-1	0.252	-2	2.592	-1	9.706	1	1689	56	0.3
2580.1	10000	38.1561	95.8213	-1017	PS	2.3	-2	9.1	0	1.0	-1	0.253	-2	2.673	-1	9.509	1	1706	44	0.3
2580.2	10000	38.1567	95.8213	-1015	PS	2.3	-2	9.1	0	1.0	-1	0.251	-2	2.549	-1	9.868	1	1710	51	0.3
2580.3	10000	38.1574	95.8213	-1014	PS	2.3	-2	9.1	0	1.0	-1	0.252	-2	2.577	-1	10.265	1	1721	48	0.3
2580.4	10000	38.1580	95.8213	-1013	PS	2.2	-2	9.0	0	1.0	-1	0.243	-2	2.432	-1	9.690	1	1723	54	0.3
2580.5	10000	38.1587	95.8213	-1012	PS	2.2	-2	8.8	0	1.0	-1	0.257	-2	2.343	-1	9.132	1	1735	38	0.3
2580.6	10000	38.1593	95.8213	-1010	PS	2.2	-2	8.8	0	1.0	-1	0.251	-2	2.251	-1	9.272	1	1751	49	0.3
2580.7	10000	38.1599	95.8213	-1009	PS	2.2	-2	8.8	0	1.0	-1	0.257	-2	2.214	-1	8.767	1	1773	51	0.3
2580.8	10000	38.1606	95.8213	-1009	PS	2.2	-2	8.8	0	1.0	-1	0.243	-2	2.339	-1	8.791	1	1785	48	0.3
2580.9	10000	38.1612	95.8213	-1007	PS	2.2	-2	8.8	0	1.0	-1	0.252	-2	2.435	-1	8.397	1	1816	53	0.3
2581.0	10000	38.1619	95.8213	-1006	PS	2.2	-2	8.8	0	1.0	-1	0.266	-2	2.361	-1	7.656	1	1851	57	0.3
2581.1	10000	38.1625	95.8213	-1005	PS	2.2	-2	8.8	0	1.0	-1	0.290	-2	2.433	-1	8.008	1	1890	52	0.3
2581.2	10000	38.1632	95.8213	-1003	PS	2.2	-2	8.8	0	1.0	-1	0.308	-2	2.672	-1	8.600	1	1917	45	0.3
2581.3	10000	38.1638	95.8213	-1002	PS	2.2	-2	8.8	0	1.0	-1	0.304	-2	2.529	-1	8.405	1	1946	49	0.3
2581.4	10000	38.1644	95.8213	-1001	PS	2.2	-2	8.8	0	1.0	-1	0.311	-2	2.438	-1	8.791	1	1956	53	0.3
2581.5	10000	38.1651	95.8213	-999	PS	2.2	-2	8.8	0	1.0	-1	0.301	-2	2.330	-1	8.234	1	1969	34	0.3
2581.6	10000	38.1657	95.8213	-998	PS	2.2	-2	8.8	0	1.0	-1	0.277	-2	2.197	-1	8.196	1	1970	40	0.3
2581.7	10000	38.1664	95.8213	-996	PS	2.3	-2	8.8	0	1.0	-1	0.299	-2	2.221	-1	8.313	1	1976	34	0.3
2581.8	10000	38.1670	95.8213	-994	PS	2.3	-2	8.8	0	1.0	-1	0.323	-2	2.252	-1	8.596	1	1988	38	0.3
2581.9	10000	38.1676	95.8213	-992	PS	2.3	-2	8.8	0	1.0	-1	0.262	-2	2.019	-1	8.176	1	1984	55	0.3
2582.0	10000	38.1683	95.8213	-990	PS	2.3	-2	8.8	0	1.0	-1	0.479	-2	2.369	-1	8.179	1	1973	41	0.3
2582.1	10000	38.1689	95.8213	-988	PS	2.3	-2	8.8	0	1.0	-1	0.259	-2	2.423	-1	8.105	1	1974	49	0.3
2582.2	10000	38.1696	95.8213	-987	PS	2.3	-2	8.8	0	1.0	-1	0.325	-2	2.359	-1	8.568	1	1966	51	0.3
2582.3	10000	38.1702	95.8213	-984	PS	2.3	-2	8.8	0	1.0	-1	0.307	-2	2.362	-1	8.548	1	1966	53	0.3
2582.4	10000	38.1709	95.8213	-982	PS	2.3	-2	8.8	0	1.0	-1	0.307	-2	2.362	-1	8.690	1	1949	53	0.4

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2582.5	10000	38.1715	95.8213	-981	PS	2.7	-1	9.8	0	1.2	0	0.280	-1	2.334	-1	8.332	0	1935	42	0.4
2582.6	10000	38.1721	95.8213	-978	PS	2.8	-1	9.9	0	1.1	0	0.285	-1	2.465	0	8.656	0	1912	51	0.4
2582.7	10000	38.1728	95.8213	-976	PS	3.0	0	9.9	0	1.1	0	0.303	0	2.727	0	8.988	1	1912	46	0.4
2582.8	10000	38.1734	95.8213	-976	PS	3.1	0	9.9	0	1.1	-1	0.310	0	2.887	0	9.313	1	1907	50	0.4
2582.9	10000	38.1741	95.8212	-973	PS	3.1	0	9.9	0	1.1	-1	0.310	0	2.903	0	9.372	1	1915	48	0.4
2583.0	10000	38.1747	95.8212	-971	PS	3.0	0	9.9	0	1.0	-1	0.305	0	2.974	1	9.757	1	1884	39	0.4
2583.1	10000	38.1753	95.8212	-969	PS	3.0	0	10.0	0	1.0	-1	0.299	-1	3.002	1	10.047	1	1857	51	0.4
2583.2	10000	38.1760	95.8212	-966	PS	3.0	0	9.4	0	0.9	-1	0.313	0	3.139	1	10.034	1	1816	50	0.4
2583.3	10000	38.1766	95.8212	-964	PS	3.0	0	9.4	0	0.9	-1	0.320	0	3.201	1	9.987	1	1809	49	0.4
2583.4	10000	38.1773	95.8212	-963	PS	2.7	-1	9.2	0	1.0	-1	0.292	-1	2.736	1	9.375	1	1789	47	0.4
2583.5	10000	38.1779	95.8212	-960	PS	2.7	-1	8.8	-1	1.0	-1	0.301	0	2.595	0	8.616	0	1778	37	0.4
2583.6	10000	38.1786	95.8212	-957	PS	2.7	-1	8.6	-1	1.0	-1	0.310	0	2.580	0	8.335	0	1768	38	0.4
2583.7	10000	38.1792	95.8212	-955	PS	2.9	-1	8.4	-1	1.1	-1	0.343	0	2.734	0	7.968	0	1778	56	0.4
2583.8	10000	38.1798	95.8212	-953	PS	3.0	0	8.7	-1	1.1	-1	0.344	0	2.811	0	8.173	0	1799	43	0.4
2583.9	10000	38.1805	95.8212	-951	PS	3.0	0	8.6	-1	1.1	-1	0.380	1	2.999	1	7.899	0	1812	39	0.4
2584.0	10000	38.1811	95.8212	-948	PS	3.0	0	9.0	-1	1.1	-1	0.358	1	2.960	1	8.264	0	1833	50	0.4
2584.1	10000	38.1818	95.8212	-946	PS	2.9	0	9.1	-1	1.1	-1	0.345	1	2.849	1	8.259	0	1850	44	0.4
2584.2	10000	38.1824	95.8212	-943	PS	2.9	0	9.1	-1	1.1	-1	0.319	0	2.663	0	8.339	0	1856	48	0.4
2584.3	10000	38.1830	95.8212	-941	PS	2.9	0	9.8	0	1.1	-1	0.298	-1	2.726	0	9.151	1	1861	48	0.4
2584.4	10000	38.1837	95.8212	-938	PS	2.8	-1	9.8	0	1.1	-1	0.284	-1	2.559	0	9.017	1	1876	47	0.4
2584.5	10000	38.1843	95.8212	-936	PS	2.7	-1	9.1	0	1.0	-1	0.295	-1	2.632	0	8.909	0	1864	54	0.4
2584.6	10000	38.1850	95.8212	-934	PS	2.7	-1	9.6	0	1.0	-1	0.285	-1	2.622	0	9.202	1	1872	44	0.4
2584.7	10000	38.1856	95.8212	-931	PS	2.8	-1	9.3	0	1.1	-1	0.298	-1	2.627	0	8.825	0	1860	50	0.4
2584.8	10000	38.1862	95.8212	-928	PS	2.9	0	9.5	0	1.1	0	0.307	0	2.664	0	8.678	0	1852	46	0.4
2584.9	10000	38.1869	95.8212	-925	PS	2.9	0	9.5	0	1.1	-1	0.305	0	2.723	0	8.942	1	1848	64	0.4
2585.0	10000	38.1875	95.8212	-922	PS	3.0	0	9.2	0	1.0	-1	0.326	0	2.880	0	8.841	0	1845	41	0.4
2585.1	10000	38.1882	95.8212	-919	PS	3.0	0	9.7	0	1.0	-1	0.329	0	3.070	1	9.326	1	1836	52	0.4
2585.2	10000	38.1888	95.8212	-916	PS	3.1	0	10.2	0	1.1	-1	0.309	0	2.976	1	9.616	1	1852	40	0.4
2585.3	10000	38.1895	95.8212	-914	PS	3.1	0	10.0	0	1.0	-1	0.313	0	3.086	1	9.869	1	1845	45	0.4
2585.4	10000	38.1901	95.8212	-911	PS	3.1	0	10.0	0	1.0	-1	0.313	0	3.190	1	10.198	2	1851	47	0.4
2585.5	10000	38.1908	95.8212	-908	PS	3.1	0	10.0	0	0.9	-2	0.309	0	3.413	1	11.037	2	1849	52	0.4
2585.6	10000	38.1914	95.8212	-904	PS	3.0	0	10.1	0	0.9	-1	0.325	0	3.514	2	10.811	2	1864	53	0.4
2585.7	10000	38.1920	95.8212	-901	PS	3.2	0	10.7	0	0.9	0	0.330	0	3.410	2	10.338	2	1871	45	0.4
2585.8	10000	38.1927	95.8212	-898	PS	2.9	-1	9.1	0	1.0	0	0.334	0	3.175	2	9.493	2	1883	49	0.4
2585.9	10000	38.1933	95.8212	-895	PS	2.9	-1	9.4	0	1.0	0	0.305	0	2.779	1	9.100	1	1904	46	0.4
2586.0	10000	38.1940	95.8212	-892	PS	2.9	-1	9.4	0	1.0	0	0.305	0	2.564	1	8.402	1	1933	58	0.4
2586.1	10000	38.1946	95.8212	-887	PS	2.9	-1	9.7	0	1.0	0	0.265	0	2.141	1	8.077	1	1955	46	0.4
2586.2	10000	38.1952	95.8212	-883	PS	2.9	-1	9.7	0	1.0	0	0.263	0	1.980	1	7.534	1	1969	46	0.4
2586.3	10000	38.1959	95.8212	-877	PS	2.9	-1	9.8	0	1.0	0	0.230	0	1.762	1	7.654	1	1984	49	0.4
2586.4	10000	38.1965	95.8212	-871	PS	2.9	-1	9.8	0	1.0	0	0.198	0	1.560	1	7.895	1	1985	49	0.4
2586.5	10000	38.1972	95.8212	-868	PS	2.9	-1	10.0	0	1.0	0	0.188	0	1.500	1	8.348	1	1980	43	0.4
2586.6	10000	38.1978	95.8212	-865	PS	2.9	-1	10.0	0	1.0	0	0.148	0	1.493	1	8.175	1	1955	41	0.4
2586.7	10000	38.1984	95.8212	-862	PS	2.9	-1	10.0	0	1.0	0	0.166	0	1.296	1	7.754	1	1938	49	0.4
2586.8	10000	38.1991	95.8212	-859	PS	2.9	-1	10.0	0	1.0	0	0.187	0	1.460	1	7.776	1	1940	62	0.4
2586.9	10000	38.1997	95.8212	-855	PS	2.9	-1	10.0	0	1.0	0	0.201	0	1.726	1	8.205	1	1929	50	0.4
2587.0	10000	38.2004	95.8211	-852	PS	2.9	-1	10.0	0	1.0	0	0.246	0	1.814	1	8.023	1	1916	42	0.4
2587.1	10000	38.2010	95.8211	-849	PS	2.9	-1	10.0	0	1.0	0	0.245	0	2.184	2	8.868	2	1911	44	0.4
2587.2	10000	38.2017	95.8211	-846	PS	2.9	-1	10.0	0	1.0	0	0.271	0	2.210	2	8.038	2	1904	43	0.4
2587.3	10000	38.2023	95.8211	-842	PS	2.9	-1	9.9	0	1.0	0	0.271	0	2.332	2	8.608	2	1904	46	0.4
2587.4	10000	38.2029	95.8211	-838	PS	2.9	-1	9.5	0	1.0	0	0.280	0	2.435	2	8.367	2	1889	55	0.4
2587.5	10000	38.2036	95.8211	-835	PS	2.9	-1	9.5	0	1.1	0	0.284	0	2.470	2	8.826	2	1860	45	0.4
2587.6	10000	38.2042	95.8211	-831	PS	2.7	-1	9.5	0	1.1	0	0.284	0	2.513	2	8.849	2	1848	43	0.4

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2587.7	10000	38.2049	95.8211	-827	PS	2.8	-1	9.2	0	1.0	-1	0.302	0	2.696	0	8.914	0	1819	48	0.4
2587.8	10000	38.2055	95.8211	-823	PS	2.7	-1	9.5	0	1.0	-1	0.282	-1	2.637	0	9.355	1	1797	50	0.4
2587.9	10000	38.2061	95.8211	-819	PS	2.8	-1	9.1	0	1.0	-1	0.303	0	2.714	0	8.945	1	1776	51	0.4
2588.0	10000	38.2068	95.8211	-815	PS	2.9	-1	9.2	0	1.0	-1	0.309	0	2.897	0	9.364	1	1757	53	0.4
2588.1	10000	38.2074	95.8211	-810	PS	2.9	0	9.0	-1	1.0	-1	0.327	0	2.948	0	9.004	1	1760	59	0.4
2588.2	10000	38.2081	95.8211	-806	PS	2.9	0	8.7	-1	1.0	-1	0.336	0	2.953	1	8.796	0	1747	58	0.4
2588.3	10000	38.2087	95.8211	-801	PS	2.6	-1	9.0	-1	1.0	-1	0.289	-1	2.547	0	8.809	0	1748	46	0.4
2588.4	10000	38.2094	95.8211	-796	PS	2.5	-1	9.2	0	1.1	-1	0.277	-1	2.336	-1	8.443	0	1767	52	0.4
2588.5	10000	38.2100	95.8211	-790	PS	2.4	-1	9.0	-1	1.1	0	0.269	-1	2.198	-1	8.157	0	1780	49	0.4
2588.6	10000	38.2106	95.8211	-785	PS	2.5	-1	9.0	-1	1.1	0	0.279	-1	2.258	-1	8.101	0	1791	49	0.4
2588.7	10000	38.2113	95.8211	-778	PS	2.5	-1	8.9	-1	1.1	0	0.279	-1	2.262	-1	8.100	0	1807	39	0.4
2588.8	10000	38.2119	95.8211	-772	PS	2.4	-1	9.2	0	1.1	-1	0.264	-1	2.230	-1	8.442	0	1806	51	0.4
2588.9	10000	38.2126	95.8211	-765	PS	2.7	-1	9.2	0	1.1	0	0.294	-1	2.400	-1	8.166	0	1827	61	0.4
2589.0	10000	38.2132	95.8211	-757	PS	2.8	-1	8.4	-1	1.1	0	0.334	0	2.484	0	7.433	-1	1839	48	0.4
2589.1	10000	38.2138	95.8211	-751	PS	2.8	-1	8.5	-1	1.1	0	0.326	0	2.544	0	7.806	0	1847	43	0.4
2589.2	10000	38.2145	95.8211	-743	PS	2.9	0	8.6	-1	1.2	0	0.342	0	2.553	0	7.456	-1	1882	51	0.4
2589.3	10000	38.2152	95.8211	-734	PS	2.9	-1	9.0	-1	1.2	0	0.321	0	2.400	-1	7.469	-1	1914	40	0.4
2589.4	10000	38.2158	95.8211	-725	PS	2.8	-1	9.1	0	1.3	1	0.307	0	2.174	-1	7.076	-1	1930	45	0.4
2589.5	10000	38.2165	95.8211	-715	PS	2.8	-1	9.0	-1	1.3	1	0.315	0	2.140	-1	6.801	-1	1948	42	0.4
2589.6	10000	38.2172	95.8212	-705	PS	2.7	-1	9.0	-1	1.3	1	0.303	0	2.106	-1	6.938	-1	1942	58	0.4
2589.7	10000	38.2178	95.8212	-694	PS	2.9	0	9.2	-1	1.3	1	0.318	0	2.282	-1	7.172	-1	1939	51	0.4
2589.8	10000	38.2185	95.8212	-682	PS	2.9	0	8.9	-1	1.3	1	0.327	0	2.235	-1	6.829	-1	1927	39	0.4
2589.9	10000	38.2192	95.8212	-670	PS	2.7	-1	8.9	-1	1.3	0	0.299	-1	2.116	-1	7.082	-1	1890	60	0.4
2590.0	10000	38.2198	95.8212	-657	PS	2.9	-1	8.5	-1	1.3	0	0.308	0	2.083	-1	6.764	-1	1882	43	0.4
2590.1	10000	38.2205	95.8212	-644	PS	2.9	-1	8.4	-1	1.2	0	0.341	0	2.352	-1	6.889	-1	1887	48	0.4
2590.2	10000	38.2212	95.8212	-630	PS	2.6	-1	8.6	-1	1.3	0	0.308	0	2.225	-1	7.231	-1	1896	57	0.4
2590.3	10000	38.2218	95.8212	-614	PS	2.6	-1	8.8	-1	1.3	0	0.302	0	2.051	-1	6.793	-1	1922	42	0.4
2590.4	10000	38.2225	95.8213	-598	PS	2.5	-1	8.9	-1	1.3	1	0.279	-1	1.906	-2	6.843	-1	1945	54	0.4
2590.5	10000	38.2232	95.8213	-581	PS	2.4	-2	9.2	0	1.3	1	0.259	-1	1.815	-2	7.013	-1	1957	49	0.5
2590.6	10000	38.2238	95.8213	-563	PS	2.6	-1	9.3	0	1.3	1	0.283	-1	2.016	-1	7.130	-1	1973	43	0.5
2590.7	10000	38.2245	95.8213	-545	PS	2.7	-1	9.7	0	1.2	1	0.273	-1	2.136	-1	7.836	0	1953	54	0.5
2590.8	10000	38.2252	95.8213	-526	PS	2.6	-1	9.9	0	1.1	1	0.265	-1	2.308	-1	8.713	0	1889	56	0.5
2590.9	10000	38.2258	95.8213	-507	PS	2.6	-1	9.1	-1	1.1	0	0.288	-1	2.411	-1	8.359	0	1779	42	0.5
2591.0	10000	38.2265	95.8214	-487	PS	2.5	-1	8.2	-1	0.9	-1	0.303	0	2.666	0	8.800	0	1593	40	0.5
2591.1	10000	38.2272	95.8214	-467	WATER	2.1	999	7.3	999	0.8	999	0.294	999	2.758	999	9.370	999	1385	43	0.5
2591.2	10000	38.2278	95.8214	-446	WATER	2.0	999	6.0	999	0.6	999	0.330	999	3.168	999	9.600	999	1160	49	0.5
2591.3	10000	38.2285	95.8214	-425	WATER	1.4	999	4.8	999	0.5	999	0.300	999	3.093	999	10.311	999	919	46	0.5
2591.4	10000	38.2292	95.8214	-405	WATER	1.1	999	3.4	999	0.3	999	0.308	999	3.219	999	10.453	999	687	46	0.5
2591.5	10010	38.2298	95.8214	-385	WATER	0.6	999	2.2	999	0.2	999	0.000	999	0.000	999	8.858	999	491	43	0.5
2591.6	10010	38.2305	95.8214	-366	WATER	0.4	999	1.6	999	0.1	999	0.000	999	0.000	999	11.834	999	339	36	0.5
2591.7	10010	38.2312	95.8214	-346	WATER	0.2	999	1.4	999	0.1	999	0.000	999	0.000	999	14.854	999	257	51	0.5
2591.8	10110	38.2318	95.8215	-328	WATER	0.2	999	1.0	999	0.1	999	0.000	999	0.000	999	0.000	999	196	33	0.5
2591.9	10110	38.2325	95.8215	-312	WATER	0.2	999	1.0	999	0.0	999	0.000	999	0.000	999	0.000	999	164	46	0.5
2592.0	10111	38.2332	95.8215	-296	WATER	0.2	999	0.6	999	0.0	999	0.000	999	0.000	999	0.000	999	141	38	0.6
2592.1	10111	38.2338	95.8215	-282	WATER	0.2	999	0.6	999	0.0	999	0.000	999	0.000	999	0.000	999	129	41	0.6
2592.2	10111	38.2345	95.8215	-268	WATER	0.2	999	0.5	999	0.0	999	0.000	999	0.000	999	0.000	999	121	39	0.6
2592.3	10111	38.2352	95.8215	-256	WATER	0.2	999	0.6	999	0.0	999	0.000	999	0.000	999	0.000	999	115	44	0.6
2592.4	10111	38.2358	95.8215	-244	WATER	0.2	999	0.5	999	0.0	999	0.000	999	0.000	999	0.000	999	112	37	0.6
2592.5	10111	38.2365	95.8216	-234	WATER	0.1	999	0.6	999	0.0	999	0.000	999	0.000	999	0.000	999	107	50	0.6
2592.6	10111	38.2372	95.8216	-224	WATER	0.0	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	100	31	0.6
2592.7	10111	38.2378	95.8216	-216	WATER	0.1	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	101	64	0.6
2592.8	10111	38.2385	95.8216	-207	WATER	0.1	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	97	49	0.6

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2592.9	10111	38.2392	95.8216	-200	WATER	0.1	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	96	47	0.6
2593.0	10111	38.2398	95.8216	-193	WATER	0.2	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	100	53	0.6
2593.1	10111	38.2405	95.8216	-187	WATER	0.3	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	95	35	0.6
2593.2	10111	38.2412	95.8217	-181	WATER	0.3	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	94	44	0.7
2593.3	10111	38.2418	95.8217	-175	WATER	0.3	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	98	50	0.7
2593.4	10111	38.2425	95.8217	-169	WATER	0.3	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	98	35	0.7
2593.5	10111	38.2432	95.8217	-163	WATER	0.2	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	103	45	0.7
2593.6	10111	38.2438	95.8217	-157	WATER	0.3	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	106	57	0.7
2593.7	10111	38.2445	95.8217	-152	WATER	0.2	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	106	42	0.7
2593.8	10111	38.2452	95.8217	-148	WATER	0.3	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	106	51	0.7
2593.9	10111	38.2458	95.8218	-144	WATER	0.2	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	112	48	0.7
2594.0	10111	38.2465	95.8218	-140	WATER	0.2	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	115	33	0.7
2594.1	10111	38.2472	95.8218	-137	WATER	0.2	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	116	45	0.7
2594.2	10111	38.2478	95.8218	-135	WATER	0.2	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	117	52	0.7
2594.3	10111	38.2485	95.8218	-133	WATER	0.2	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	114	33	0.7
2594.4	10111	38.2492	95.8218	-130	WATER	0.2	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	114	41	0.8
2594.5	10111	38.2498	95.8218	-129	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	114	43	0.8
2594.6	10111	38.2505	95.8219	-127	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	116	43	0.8
2594.7	10111	38.2512	95.8219	-125	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	114	48	0.8
2594.8	10111	38.2518	95.8219	-124	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	116	48	0.8
2594.9	10111	38.2525	95.8219	-123	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	118	41	0.8
2595.0	10111	38.2532	95.8219	-121	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	125	36	0.8
2595.1	10111	38.2538	95.8219	-120	WATER	0.0	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	120	53	0.8
2595.2	10111	38.2545	95.8219	-120	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	126	43	0.8
2595.3	10111	38.2552	95.8220	-120	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	119	51	0.8
2595.4	10111	38.2558	95.8220	-122	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	119	50	0.8
2595.5	10111	38.2565	95.8220	-123	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	123	50	0.8
2595.6	10111	38.2572	95.8220	-126	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	122	40	0.8
2595.7	10111	38.2578	95.8220	-128	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	122	38	0.8
2595.8	10111	38.2585	95.8220	-132	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	127	49	0.9
2595.9	10111	38.2592	95.8220	-136	WATER	0.0	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	128	52	0.9
2596.0	10111	38.2598	95.8221	-140	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	134	45	0.9
2596.1	10111	38.2605	95.8221	-145	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	134	34	0.9
2596.2	10111	38.2612	95.8221	-151	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	129	46	0.9
2596.3	10111	38.2618	95.8221	-157	WATER	0.1	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	131	59	0.9
2596.4	10111	38.2625	95.8221	-163	WATER	0.1	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	125	50	0.9
2596.5	10111	38.2632	95.8221	-169	WATER	0.1	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	120	44	0.9
2596.6	10111	38.2638	95.8221	-176	WATER	0.0	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	117	40	0.9
2596.7	10111	38.2645	95.8222	-184	WATER	0.0	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	115	60	0.9
2596.8	10111	38.2652	95.8222	-192	WATER	0.0	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	115	45	0.9
2596.9	10111	38.2658	95.8222	-199	WATER	0.0	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	114	58	0.9
2597.0	10111	38.2665	95.8222	-208	WATER	0.0	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	114	50	0.9
2597.1	10111	38.2672	95.8222	-217	WATER	0.0	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	116	46	0.9
2597.2	10111	38.2678	95.8222	-226	WATER	0.1	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	125	56	0.9
2597.3	10111	38.2685	95.8222	-235	WATER	0.1	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	128	50	0.9
2597.4	10111	38.2692	95.8223	-245	WATER	0.1	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	133	42	0.9
2597.5	10111	38.2698	95.8223	-254	WATER	0.1	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	137	43	0.9
2597.6	10111	38.2705	95.8223	-265	WATER	0.2	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	154	51	0.9
2597.7	10111	38.2712	95.8223	-275	WATER	0.2	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	159	53	0.9
2597.8	10111	38.2719	95.8223	-286	WATER	0.2	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	173	53	0.9
2597.9	10111	38.2725	95.8223	-296	WATER	0.2	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	177	43	0.9
2598.0	10111	38.2732	95.8223	-306	WATER	0.1	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	186	56	0.9

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2598.1	10111	38.2738	95.8224	-316	WATER	0.1	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	185	42	0.9
2598.2	10111	38.2745	95.8224	-327	WATER	0.1	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	188	48	0.9
2598.3	10111	38.2752	95.8224	-338	WATER	0.1	999	0.5	999	0.0	999	0.000	999	0.000	999	0.000	999	193	43	0.9
2598.4	10111	38.2758	95.8224	-348	WATER	0.0	999	0.6	999	0.0	999	0.000	999	0.000	999	0.000	999	202	37	0.9
2598.5	10111	38.2765	95.8224	-359	WATER	0.0	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	211	46	0.9
2598.6	10111	38.2772	95.8224	-370	WATER	0.1	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	221	31	0.9
2598.7	10111	38.2778	95.8224	-381	QAL	0.2	-6	0.6	-7	0.1	-5	0.000	-5	0.000	-4	0.000	-5	250	58	0.9
2598.8	10010	38.2785	95.8224	-392	QAL	0.2	-6	0.8	-7	0.1	-4	0.000	-5	0.000	-4	7.122	0	310	28	0.9
2598.9	10010	38.2792	95.8225	-404	QAL	0.3	-5	1.4	-6	0.2	-4	0.000	-5	0.000	-4	6.555	-1	417	48	0.9
2599.0	10010	38.2798	95.8225	-415	QAL	0.3	-5	1.9	-6	0.3	-4	0.000	-5	0.000	-4	6.066	-1	553	46	0.9
2599.1	10000	38.2805	95.8225	-426	QAL	0.7	-5	2.8	-5	0.4	-3	0.269	-1	1.694	-1	6.300	-1	730	50	0.9
2599.2	10000	38.2812	95.8225	-437	QAL	0.9	-4	3.8	-4	0.5	-3	0.251	-1	1.738	-1	6.927	0	907	48	0.9
2599.3	10000	38.2818	95.8225	-447	QAL	0.9	-4	5.0	-3	0.7	-2	0.178	-2	1.271	-2	7.152	0	1087	65	0.9
2599.4	10000	38.2825	95.8225	-458	QAL	1.0	-4	5.8	-3	0.8	-2	0.178	-2	1.262	-2	7.074	0	1250	54	0.9
2599.5	10000	38.2832	95.8226	-468	QAL	1.1	-4	6.8	-2	0.9	-1	0.168	-3	1.245	-2	7.434	0	1387	39	0.9
2599.6	10000	38.2839	95.8226	-478	QAL	1.3	-3	7.2	-2	1.0	-1	0.181	-2	1.349	-2	7.444	0	1503	53	0.8
2599.7	10000	38.2845	95.8226	-488	QAL	1.5	-3	7.8	-1	1.0	-1	0.194	-2	1.567	-1	8.085	0	1560	49	0.8
2599.8	10000	38.2852	95.8226	-497	QAL	1.5	-3	8.1	-1	1.0	-1	0.190	-2	1.547	-2	8.127	0	1591	31	0.8
2599.9	10000	38.2859	95.8226	-506	QAL	1.5	-3	8.0	-1	1.0	-1	0.187	-2	1.433	-2	7.677	0	1620	59	0.8
2600.0	10000	38.2865	95.8226	-517	PS	1.7	-3	7.8	-2	1.1	-1	0.217	-2	1.584	-2	7.298	-1	1647	42	0.8
2600.1	10000	38.2872	95.8226	-528	PS	1.7	-3	7.8	-2	1.1	0	0.221	-2	1.554	-2	7.042	-1	1670	66	0.8
2600.2	10000	38.2879	95.8226	-536	PS	1.9	-2	7.7	-2	1.1	0	0.253	-1	1.779	-2	7.030	-1	1686	47	0.8
2600.3	10000	38.2885	95.8227	-544	PS	1.9	-3	8.0	-1	1.1	-1	0.234	-2	1.727	-2	7.380	-1	1695	52	0.8
2600.4	10000	38.2892	95.8227	-551	PS	1.8	-3	8.0	-1	1.1	0	0.225	-2	1.609	-2	7.134	-1	1720	47	0.8
2600.5	10000	38.2899	95.8227	-558	PS	1.6	-3	8.6	-1	1.1	0	0.180	-3	1.386	-3	7.694	0	1750	47	0.8
2600.6	10000	38.2905	95.8227	-565	PS	1.7	-3	8.8	-1	1.1	0	0.189	-2	1.497	-2	7.919	0	1777	39	0.8
2600.7	10000	38.2912	95.8227	-571	PS	2.0	-2	9.0	-1	1.1	0	0.220	-2	1.794	-2	8.163	0	1837	57	0.8
2600.8	10000	38.2919	95.8227	-577	PS	2.1	-2	9.5	0	1.1	0	0.217	-2	1.884	-2	8.668	0	1887	64	0.8
2600.9	10000	38.2925	95.8228	-583	PS	2.0	-2	9.8	0	1.1	1	0.201	-2	1.686	-2	8.382	0	1937	57	0.8
2601.0	10000	38.2932	95.8228	-589	PS	2.1	-2	9.9	0	1.1	1	0.214	-2	1.692	-2	7.923	0	1978	37	0.8
2601.1	10000	38.2939	95.8228	-594	PS	2.5	-1	9.4	0	1.1	2	0.256	-2	1.946	-2	7.588	-1	2027	53	0.8
2601.2	10000	38.2945	95.8228	-599	PS	2.6	-1	9.4	0	1.1	3	0.274	-2	1.890	-2	6.889	-1	2054	50	0.7
2601.3	10000	38.2952	95.8228	-603	PS	2.7	-1	9.7	0	1.1	4	0.290	-2	1.973	-2	6.805	-1	2071	51	0.7
2601.4	10000	38.2959	95.8228	-607	PS	2.5	-1	9.8	0	1.1	4	0.253	-2	1.791	-2	7.077	-1	2062	46	0.7
2601.5	10000	38.2965	95.8228	-611	PS	2.8	-1	9.8	0	1.1	4	0.287	-2	2.054	-1	7.162	-1	2058	47	0.7
2601.6	10000	38.2972	95.8228	-615	PS	2.9	-1	9.8	0	1.1	4	0.317	-2	2.278	-1	7.187	-1	2070	52	0.7
2601.7	10000	38.2979	95.8229	-618	PS	2.9	-1	9.8	0	1.1	4	0.329	-2	2.475	-1	7.515	-1	2056	56	0.7
2601.8	10000	38.2985	95.8229	-621	PS	3.0	-1	9.8	0	1.1	4	0.294	-2	2.358	-1	7.028	0	2040	55	0.7
2601.9	10000	38.2992	95.8229	-623	PS	3.1	-1	9.8	0	1.1	4	0.311	-2	2.495	-1	7.021	0	2032	42	0.7
2602.0	10000	38.2999	95.8229	-625	PS	3.2	-1	9.8	0	1.1	4	0.302	-2	2.529	-1	7.373	0	2018	50	0.7
2602.1	10000	38.3005	95.8229	-627	PS	3.2	-1	9.8	0	1.1	4	0.321	-2	2.668	-1	7.307	0	1980	54	0.7
2602.2	10000	38.3012	95.8229	-629	PS	3.2	-1	9.8	0	1.1	4	0.307	-2	2.471	-1	7.061	0	1975	47	0.7
2602.3	10000	38.3019	95.8230	-631	PS	3.2	-1	9.8	0	1.1	4	0.294	-2	2.394	-1	7.136	0	1957	50	0.7
2602.4	10000	38.3025	95.8230	-631	PS	3.2	-1	9.8	0	1.1	4	0.306	-2	2.453	-1	7.022	-1	1956	60	0.7
2602.5	10000	38.3032	95.8230	-632	PS	3.2	-1	9.8	0	1.1	4	0.304	-2	2.432	-1	7.651	-1	1957	52	0.6
2602.6	10000	38.3039	95.8230	-633	PS	3.2	-1	9.8	0	1.1	4	0.312	-2	2.388	-1	7.656	-1	1957	45	0.6
2602.7	10000	38.3045	95.8230	-633	PS	3.2	-1	9.8	0	1.1	4	0.311	-2	2.429	-1	7.721	-1	1976	37	0.6
2602.8	10000	38.3052	95.8230	-633	PS	3.2	-1	9.8	0	1.1	4	0.298	-2	2.354	-1	7.524	-1	1989	46	0.6
2602.9	10000	38.3058	95.8230	-633	PS	3.2	-1	9.8	0	1.1	4	0.274	-2	2.246	-2	7.523	-1	1966	46	0.6
2603.0	10000	38.3064	95.8230	-633	PS	3.2	-1	9.8	0	1.1	4	0.326	-2	2.665	-2	7.259	-1	1958	47	0.6
2603.1	10000	38.3071	95.8230	-633	PS	3.2	-1	9.8	0	1.1	4	0.242	-2	2.077	-2	7.417	-1	1947	52	0.6
2603.2	10000	38.3077	95.8230	-633	PS	3.2	-1	9.8	0	1.1	4	0.242	-2	2.077	-2	7.417	-1	1930	53	0.6

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2603.3	10000	38.3083	95.8230	-632	PS	2.4	-2	10.1	0	1.1	0	0.233	-2	2.065	-1	8.881	0	1921	58	0.6
2603.4	10000	38.3090	95.8230	-631	PS	2.4	-2	9.8	0	1.1	0	0.250	-1	2.190	-1	8.749	0	1904	38	0.6
2603.5	10000	38.3096	95.8230	-630	PS	2.5	-1	9.3	0	1.1	0	0.273	-1	2.253	-1	8.259	0	1913	47	0.6
2603.6	10000	38.3102	95.8230	-630	PS	2.6	-1	9.6	0	1.1	0	0.270	-1	2.341	-1	8.665	0	1932	48	0.6
2603.7	10000	38.3109	95.8230	-628	PS	2.8	-1	9.0	-1	1.2	0	0.308	0	2.387	-1	7.757	0	1944	42	0.5
2603.8	10000	38.3115	95.8229	-627	PS	3.0	0	9.0	-1	1.1	0	0.329	0	2.593	0	7.874	0	1953	45	0.5
2603.9	10000	38.3121	95.8229	-625	PS	2.8	-1	9.2	0	1.2	0	0.302	0	2.379	-1	7.887	0	1968	53	0.5
2604.0	10000	38.3128	95.8229	-624	PS	2.8	-1	9.0	-1	1.2	0	0.306	0	2.328	-1	7.604	-1	1970	47	0.5
2604.1	10000	38.3134	95.8229	-622	PS	2.6	-1	9.2	0	1.2	0	0.282	-1	2.099	-1	7.455	-1	1951	48	0.5
2604.2	10000	38.3140	95.8229	-620	PS	2.4	-1	9.8	0	1.2	0	0.250	-1	2.025	-1	8.102	0	1937	50	0.5
2604.3	10000	38.3147	95.8229	-617	PS	2.4	-2	9.7	0	1.2	0	0.245	-1	1.915	-2	7.826	0	1929	48	0.5
2604.4	10000	38.3153	95.8229	-615	PS	2.1	-2	9.6	0	1.2	0	0.222	-2	1.754	-2	7.904	0	1916	53	0.5
2604.5	10000	38.3159	95.8229	-612	PS	2.4	-2	9.3	0	1.2	0	0.254	-1	1.921	-2	7.570	-1	1920	55	0.5
2604.6	10000	38.3166	95.8229	-610	PS	2.7	-1	8.7	-1	1.2	0	0.305	0	2.177	-1	7.129	-1	1912	37	0.5
2604.7	10000	38.3172	95.8229	-607	PS	2.7	-1	9.0	-1	1.2	0	0.303	0	2.319	-1	7.654	-1	1920	57	0.5
2604.8	10000	38.3178	95.8229	-604	PS	3.0	0	9.0	-1	1.1	0	0.335	0	2.649	0	7.898	0	1942	48	0.5
2604.9	10000	38.3185	95.8229	-600	PS	3.2	0	9.0	-1	1.1	0	0.353	0	2.770	0	7.846	0	1982	51	0.5
2605.0	10000	38.3191	95.8229	-597	PS	3.3	0	8.9	-1	1.2	0	0.369	1	2.830	0	7.677	-1	1989	53	0.5
2605.1	10000	38.3197	95.8229	-594	PS	3.4	1	9.2	0	1.2	0	0.367	1	2.869	0	7.813	0	2002	33	0.5
2605.2	10000	38.3204	95.8228	-591	PS	3.3	0	9.4	0	1.2	0	0.349	0	2.740	0	7.843	0	2000	44	0.5
2605.3	10000	38.3210	95.8228	-587	PS	3.2	0	9.5	0	1.2	0	0.338	0	2.698	0	7.977	0	2000	48	0.5
2605.4	10000	38.3216	95.8228	-584	PS	3.1	0	9.5	0	1.2	0	0.331	0	2.525	0	7.638	-1	1996	55	0.5
2605.5	10000	38.3223	95.8228	-580	PS	2.6	-1	9.9	1	1.3	1	0.260	-1	1.988	-1	7.658	-1	1992	55	0.5
2605.6	10000	38.3229	95.8228	-576	PS	2.5	-1	9.9	1	1.3	1	0.254	-1	1.944	-1	7.645	-1	1953	42	0.5
2605.7	10000	38.3235	95.8228	-572	PS	2.5	-1	10.2	1	1.3	1	0.241	-2	1.885	-2	7.836	0	1953	44	0.5
2605.8	10000	38.3242	95.8228	-568	PS	2.7	-1	10.2	1	1.3	1	0.261	-1	2.107	-1	8.064	0	1954	47	0.4
2605.9	10000	38.3248	95.8228	-564	PS	2.7	-1	9.6	1	1.3	1	0.285	-1	2.163	-1	7.598	-1	1948	46	0.4
2606.0	10000	38.3254	95.8228	-560	PS	2.6	-1	10.1	1	1.3	1	0.255	-1	1.995	-1	7.821	0	1947	43	0.4
2606.1	10000	38.3261	95.8228	-556	PS	2.5	-1	9.7	1	1.2	0	0.256	-1	2.019	-1	7.887	0	1926	56	0.4
2606.2	10000	38.3267	95.8228	-551	PS	2.8	-1	9.9	1	1.3	1	0.283	-1	2.316	-1	7.642	-1	1919	53	0.4
2606.3	10000	38.3273	95.8228	-547	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.437	-1	7.498	-1	1916	61	0.4
2606.4	10000	38.3280	95.8228	-542	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.512	-1	7.493	-1	1897	40	0.4
2606.5	10000	38.3286	95.8228	-538	PS	2.7	-1	9.8	1	1.3	1	0.275	-1	2.323	-1	7.255	-1	1876	46	0.4
2606.6	10000	38.3292	95.8228	-534	PS	2.8	-1	9.8	1	1.3	1	0.285	-1	2.436	-1	7.772	-1	1865	31	0.4
2606.7	10000	38.3299	95.8228	-531	PS	2.8	-1	9.8	1	1.3	1	0.285	-1	2.666	0	8.277	0	1850	42	0.4
2606.8	10000	38.3305	95.8228	-527	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.838	0	8.304	0	1854	43	0.4
2606.9	10000	38.3311	95.8227	-524	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.910	0	8.786	0	1836	54	0.4
2607.0	10000	38.3318	95.8227	-521	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.767	0	8.743	0	1842	47	0.4
2607.1	10000	38.3324	95.8227	-519	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.825	0	8.853	0	1838	45	0.4
2607.2	10000	38.3330	95.8227	-517	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.748	0	8.520	0	1841	54	0.4
2607.3	10000	38.3337	95.8227	-515	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.629	0	8.461	0	1835	52	0.4
2607.4	10000	38.3343	95.8227	-513	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.616	0	8.281	0	1837	37	0.4
2607.5	10000	38.3349	95.8227	-512	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.507	0	8.074	0	1826	49	0.4
2607.6	10000	38.3356	95.8227	-511	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.583	0	8.894	0	1835	57	0.4
2607.7	10000	38.3362	95.8227	-510	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.549	0	8.037	0	1844	54	0.4
2607.8	10000	38.3369	95.8227	-510	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.588	0	8.991	0	1870	55	0.4
2607.9	10000	38.3375	95.8227	-509	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.537	0	8.416	0	1899	56	0.4
2608.0	10000	38.3381	95.8227	-509	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.610	0	8.716	0	1939	58	0.4
2608.1	10000	38.3388	95.8227	-508	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.564	0	8.607	0	1964	56	0.4
2608.2	10000	38.3394	95.8226	-508	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.440	0	8.702	0	2002	36	0.4
2608.3	10000	38.3400	95.8226	-509	PS	2.9	-1	9.8	1	1.3	1	0.296	-1	2.279	0	8.251	0	2046	49	0.4
2608.4	10000	38.3407	95.8226	-509	PS	2.8	-1	9.7	1	1.3	1	0.289	-1	2.288	0	7.912	0	2080	47	0.4

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2608.5	10000	38.3413	95.8226	-509	PS	2.9	0	10.2	0	1.3	1	0.286	-1	2.258	-1	7.887	0	2099	37	0.4
2608.6	10000	38.3419	95.8226	-508	PS	2.9	-1	10.2	1	1.3	1	0.280	-1	2.153	-1	7.695	0	2100	63	0.5
2608.7	10000	38.3426	95.8226	-508	PS	2.5	-1	9.9	0	1.4	1	0.257	-1	1.882	-2	7.329	-1	2084	53	0.5
2608.8	10000	38.3432	95.8226	-511	PS	2.6	-1	9.7	0	1.4	1	0.263	-1	1.817	-2	6.915	-1	2066	48	0.5
2608.9	10000	38.3438	95.8226	-513	PS	2.6	-1	9.6	0	1.4	1	0.266	-1	1.835	-2	6.810	-1	2051	35	0.5
2609.0	10000	38.3445	95.8226	-514	PS	2.5	-1	9.8	0	1.3	1	0.255	-1	1.865	-2	7.307	-1	2012	48	0.5
2609.1	10000	38.3451	95.8226	-515	PS	2.6	-1	9.3	0	1.3	1	0.277	-1	1.993	-1	7.200	-1	1976	48	0.5
2609.2	10000	38.3457	95.8226	-515	PS	2.6	-1	9.3	0	1.2	0	0.282	-1	2.103	-1	7.469	-1	1953	59	0.5
2609.3	10000	38.3464	95.8226	-517	PS	2.7	-1	9.4	0	1.2	0	0.288	-1	2.175	-1	7.557	-1	1957	63	0.5
2609.4	10000	38.3470	95.8226	-522	PS	3.0	0	9.5	0	1.3	0	0.322	0	2.432	-1	7.560	-1	1972	55	0.5
2609.5	10000	38.3476	95.8226	-526	PS	3.2	0	10.1	0	1.3	0	0.313	0	2.526	0	8.068	0	2002	57	0.5
2609.6	10000	38.3483	95.8226	-528	PS	3.2	0	9.9	0	1.3	0	0.324	0	2.539	0	7.839	0	2012	61	0.5
2609.7	10000	38.3489	95.8226	-529	PS	3.2	0	9.7	0	1.3	0	0.330	0	2.562	0	7.767	0	2044	55	0.5
2609.8	10000	38.3495	95.8226	-535	PS	3.3	0	9.9	0	1.3	0	0.336	0	2.640	0	7.852	0	2051	45	0.5
2609.9	10000	38.3502	95.8226	-539	PS	3.3	0	9.7	0	1.3	0	0.338	0	2.476	0	7.334	-1	2053	35	0.5
2610.0	10000	38.3508	95.8225	-543	PS	3.0	0	9.4	0	1.3	1	0.322	0	2.352	-1	7.312	-1	2020	54	0.5
2610.1	10000	38.3514	95.8225	-548	PS	2.8	-1	9.5	1	1.3	1	0.299	-1	2.210	-1	7.402	-1	2002	55	0.5
2610.2	10000	38.3521	95.8225	-552	PS	2.9	0	8.6	-1	1.2	0	0.341	0	2.438	-1	7.153	-1	1974	53	0.5
2610.3	10000	38.3527	95.8225	-556	PS	3.2	0	9.0	-1	1.3	1	0.359	1	2.625	0	7.306	-1	1966	41	0.5
2610.4	10000	38.3533	95.8225	-562	PS	3.1	0	8.8	-1	1.3	1	0.363	1	2.504	0	6.897	-1	1945	47	0.5
2610.5	10000	38.3540	95.8225	-567	PS	3.1	0	8.9	-1	1.2	0	0.350	0	2.498	0	7.135	-1	1935	36	0.5
2610.6	10000	38.3546	95.8225	-572	PS	3.0	0	9.0	-1	1.3	0	0.337	0	2.469	0	7.332	-1	1925	47	0.5
2610.7	10000	38.3552	95.8225	-578	PS	3.2	0	9.0	-1	1.3	1	0.358	1	2.540	0	7.102	-1	1932	46	0.5
2610.8	10000	38.3559	95.8225	-585	PS	3.2	0	8.5	-1	1.3	1	0.381	1	2.588	0	6.797	-1	1920	41	0.5
2610.9	10000	38.3565	95.8225	-592	PS	3.0	0	8.8	-1	1.2	0	0.363	1	2.534	0	6.985	-1	1908	43	0.5
2611.0	10000	38.3571	95.8225	-599	PS	3.0	0	8.8	-1	1.2	0	0.339	0	2.452	0	7.227	-1	1892	48	0.5
2611.1	10000	38.3578	95.8225	-605	PS	2.9	-1	9.0	-1	1.2	0	0.319	0	2.485	0	7.793	0	1886	56	0.5
2611.2	10000	38.3584	95.8225	-613	PS	2.7	-1	9.0	-1	1.1	0	0.307	0	2.391	-1	7.792	0	1878	49	0.5
2611.3	10000	38.3590	95.8225	-619	PS	2.8	-1	8.7	-1	1.1	0	0.326	0	2.509	0	7.708	0	1889	52	0.5
2611.4	10000	38.3597	95.8225	-626	PS	2.8	-1	8.8	-1	1.1	0	0.319	0	2.536	0	7.959	0	1887	51	0.5
2611.5	10000	38.3603	95.8224	-633	PS	2.8	-1	8.9	-1	1.1	0	0.312	0	2.483	0	7.963	0	1893	40	0.5
2611.6	10000	38.3609	95.8224	-640	PS	2.8	-1	8.8	-1	1.1	0	0.321	0	2.551	0	7.952	0	1902	47	0.5
2611.7	10000	38.3616	95.8224	-647	PS	2.8	-1	8.8	-1	1.1	0	0.305	0	2.347	-1	7.685	-1	1912	35	0.5
2611.8	10000	38.3622	95.8224	-653	PS	2.8	-1	8.8	-1	1.1	0	0.307	0	2.329	-1	7.576	-1	1922	48	0.5
2611.9	10000	38.3628	95.8224	-660	PS	2.8	-1	8.8	-1	1.1	0	0.301	0	2.215	-1	7.353	-1	1949	46	0.5
2612.0	10000	38.3635	95.8224	-666	PS	2.8	-1	8.8	-1	1.1	0	0.312	0	2.310	-1	7.417	-1	1952	67	0.5
2612.1	10000	38.3641	95.8224	-671	PS	2.8	-1	8.8	-1	1.1	0	0.302	0	2.260	-1	7.490	-1	1967	48	0.5
2612.2	10000	38.3647	95.8224	-676	PS	2.8	-1	8.8	-1	1.1	0	0.305	0	2.467	-1	8.094	-1	1969	51	0.5
2612.3	10000	38.3654	95.8224	-681	PS	2.8	-1	8.8	-1	1.1	0	0.266	0	2.315	-1	8.094	-1	1977	51	0.5
2612.4	10000	38.3660	95.8224	-685	PS	2.8	-1	8.8	-1	1.1	0	0.272	0	2.293	-1	8.097	-1	1974	52	0.5
2612.5	10000	38.3666	95.8224	-689	PS	2.8	-1	8.8	-1	1.1	0	0.291	0	2.212	-1	8.140	-1	1963	52	0.5
2612.6	10000	38.3673	95.8224	-692	PS	2.8	-1	8.8	-1	1.1	0	0.267	0	2.556	-1	7.771	-1	1936	53	0.5
2612.7	10000	38.3679	95.8224	-696	PS	2.8	-1	8.8	-1	1.1	0	0.287	0	2.303	-1	7.624	-1	1920	45	0.5
2612.8	10000	38.3685	95.8224	-699	PS	2.8	-1	8.8	-1	1.1	0	0.277	0	2.352	-1	7.219	-1	1913	50	0.5
2612.9	10000	38.3692	95.8224	-702	PS	2.8	-1	8.8	-1	1.1	0	0.278	0	2.277	-1	7.143	-1	1902	39	0.6
2613.0	10000	38.3698	95.8224	-706	PS	2.8	-1	8.8	-1	1.1	0	0.287	0	2.523	-1	7.197	-1	1902	49	0.6
2613.1	10000	38.3704	95.8224	-711	PS	2.8	-1	8.8	-1	1.1	0	0.314	0	2.765	-1	7.777	-1	1896	39	0.6
2613.2	10000	38.3711	95.8223	-704	PS	2.8	-1	8.8	-1	1.1	0	0.327	0	2.655	-1	7.814	-1	1895	44	0.6
2613.3	10000	38.3717	95.8223	-691	PS	2.8	-1	8.8	-1	1.1	0	0.309	0	2.602	-1	7.407	-1	1915	54	0.6
2613.4	10000	38.3723	95.8223	-695	PS	2.8	-1	8.8	-1	1.1	0	0.290	0	2.552	-1	7.157	-1	1919	46	0.6
2613.5	10000	38.3730	95.8223	-704	PS	2.8	-1	8.8	-1	1.1	0	0.272	0	2.489	-1	9.151	-1	1916	59	0.6
2613.6	10000	38.3736	95.8223	-708	PS	2.6	-1	8.8	-1	1.1	0	0.254	0	2.427	-1	9.151	-1	1919	44	0.6

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	CCS CPS	EUAIR PPM
2613.7	10000	38.3742	95.8223	-710	PW	2.7	-1	9.6	0	1.1	-1	0.282	0	2.447	0	8.689	1	1900	44	0.6
2613.8	10000	38.3749	95.8223	-712	PW	2.5	-1	9.3	-1	1.1	-1	0.263	-1	2.192	-1	8.337	0	1890	54	0.6
2613.9	10000	38.3755	95.8223	-714	PW	2.2	-2	9.1	-1	1.1	-1	0.243	-1	1.966	-1	8.097	0	1879	49	0.6
2614.0	10000	38.3761	95.8223	-714	PW	1.9	-2	9.9	0	1.1	-1	0.194	-2	1.722	-2	8.860	1	1863	47	0.6
2614.1	10000	38.3768	95.8223	-715	PW	2.1	-2	9.8	0	1.1	-1	0.218	-2	1.912	-1	8.753	1	1862	54	0.6
2614.2	10000	38.3774	95.8223	-715	PW	2.3	-1	9.9	0	1.2	0	0.232	-1	1.996	-1	8.588	0	1856	41	0.6
2614.3	10000	38.3780	95.8223	-715	PW	2.2	-2	10.2	0	1.1	-1	0.212	-2	1.896	-1	8.924	1	1862	54	0.6
2614.4	10000	38.3787	95.8223	-715	PW	2.0	-2	11.0	1	1.1	-1	0.184	-2	1.800	-1	9.791	2	1867	43	0.6
2614.5	10000	38.3793	95.8223	-715	PW	1.9	-2	11.1	1	1.1	-1	0.168	-3	1.646	-2	9.778	2	1873	37	0.6
2614.6	10000	38.3799	95.8223	-715	PW	2.1	-2	11.3	1	1.2	0	0.182	-2	1.771	-1	9.703	2	1900	54	0.6
2614.7	10000	38.3806	95.8223	-714	PW	2.3	-1	10.7	1	1.2	0	0.215	-2	1.946	-1	9.057	1	1910	46	0.6
2614.8	10000	38.3812	95.8223	-714	PW	2.3	-1	10.4	1	1.2	0	0.222	-2	1.960	-1	8.840	1	1915	52	0.6
2614.9	10000	38.3819	95.8222	-713	PW	2.2	-2	10.4	1	1.2	0	0.211	-2	1.819	-1	8.619	0	1933	40	0.6
2615.0	10000	38.3825	95.8222	-713	PW	2.3	-1	10.0	0	1.2	0	0.233	-1	1.917	-1	8.219	0	1928	43	0.6
2615.1	10000	38.3831	95.8222	-712	PW	2.5	-1	9.2	-1	1.2	0	0.270	-1	2.087	-1	7.718	0	1924	45	0.6
2615.2	10000	38.3838	95.8222	-712	PW	2.8	0	9.2	-1	1.2	0	0.306	0	2.396	0	7.839	0	1936	49	0.6
2615.3	10000	38.3844	95.8222	-711	PW	2.6	-1	9.4	0	1.2	0	0.295	0	2.311	0	7.842	0	1930	51	0.6
2615.4	10000	38.3850	95.8222	-710	PW	2.5	-1	9.4	0	1.2	0	0.280	0	2.258	0	8.076	0	1930	37	0.6
2615.5	10000	38.3856	95.8222	-708	PW	2.5	-1	9.6	0	1.2	0	0.261	-1	2.133	-1	8.175	0	1921	49	0.6
2615.6	10000	38.3863	95.8222	-708	PW	2.6	-1	9.6	0	1.1	0	0.268	-1	2.251	0	8.386	0	1887	46	0.6
2615.7	10000	38.3869	95.8222	-706	PW	2.5	-1	9.5	-1	1.1	0	0.266	-1	2.211	-1	8.319	0	1865	43	0.6
2615.8	10000	38.3875	95.8222	-705	PW	2.3	-1	9.5	0	1.2	0	0.245	-1	1.978	-1	8.072	0	1855	50	0.6
2615.9	10000	38.3882	95.8222	-704	PW	2.4	-1	9.5	0	1.2	0	0.253	-1	1.956	-1	7.735	0	1836	56	0.6
2616.0	10000	38.3888	95.8222	-702	PW	2.2	-2	9.4	0	1.2	0	0.236	-1	1.915	-1	8.115	0	1821	50	0.6
2616.1	10000	38.3894	95.8222	-700	PW	2.3	-2	9.4	0	1.1	-1	0.243	-1	1.959	-1	8.063	0	1807	41	0.6
2616.2	10000	38.3901	95.8222	-698	PW	2.3	-2	9.5	-1	1.1	-1	0.249	-1	2.020	-1	8.099	0	1819	50	0.6
2616.3	10000	38.3907	95.8221	-697	PW	2.2	-2	9.7	-1	1.1	0	0.236	-1	1.779	-1	7.546	-1	1848	51	0.6
2616.4	10000	38.3913	95.8221	-697	PW	2.3	-2	9.8	-1	1.2	0	0.246	-1	1.875	-1	7.635	-1	1878	36	0.6
2616.5	10000	38.3920	95.8221	-695	PW	2.1	-2	9.8	0	1.1	-1	0.255	-1	2.023	-1	7.947	0	1894	40	0.6
2616.6	10000	38.3926	95.8221	-693	PW	2.0	-2	9.9	0	1.1	-1	0.246	-1	2.009	-1	8.169	0	1916	48	0.6
2616.7	10000	38.3932	95.8221	-691	PW	2.1	-2	9.9	0	1.1	-1	0.261	-1	1.974	-1	7.566	-1	1931	51	0.6
2616.8	10000	38.3939	95.8221	-689	PW	2.1	-2	9.9	0	1.1	-1	0.251	-1	1.876	-1	7.472	-1	1935	45	0.6
2616.9	10000	38.3945	95.8221	-687	PW	2.1	-2	9.9	0	1.1	-1	0.248	-1	1.792	-1	7.229	-1	1932	47	0.6
2617.0	10000	38.3952	95.8221	-685	PW	2.1	-2	9.9	0	1.1	-1	0.258	-1	1.933	-1	7.504	-1	1922	50	0.7
2617.1	10000	38.3958	95.8221	-683	PW	2.1	-2	9.9	0	1.1	-1	0.247	-1	1.854	-1	7.515	-1	1911	53	0.7
2617.2	10000	38.3964	95.8221	-680	PW	2.1	-2	9.9	0	1.1	-1	0.250	-1	1.750	-1	7.013	-1	1922	58	0.7
2617.3	10000	38.3970	95.8221	-678	PW	2.1	-2	9.9	0	1.1	-1	0.263	-1	1.772	-1	6.732	-1	1927	44	0.7
2617.4	10000	38.3977	95.8221	-677	PW	2.1	-2	9.9	0	1.1	-1	0.257	-1	1.804	-1	7.032	-1	1929	45	0.7
2617.5	10000	38.3983	95.8221	-674	PW	2.1	-2	9.9	0	1.1	-1	0.264	-1	1.806	-1	7.427	-1	1953	44	0.7
2617.6	10000	38.3989	95.8221	-671	PW	2.1	-2	9.9	0	1.1	-1	0.278	-1	1.962	-1	7.551	-1	1958	45	0.7
2617.7	10000	38.3996	95.8221	-669	PW	2.1	-2	9.9	0	1.1	-1	0.288	-1	2.009	-1	7.612	-1	1969	49	0.7
2617.8	10000	38.4002	95.8221	-667	PW	2.1	-2	9.9	0	1.1	0	0.299	-1	2.123	-1	7.485	-1	1978	56	0.7
2617.9	10000	38.4009	95.8221	-664	PW	2.1	-2	9.9	0	1.1	0	0.308	-1	2.234	-1	7.794	-1	1978	50	0.7
2618.0	10000	38.4015	95.8220	-662	PW	2.1	-2	9.9	0	1.1	0	0.329	-1	2.428	-1	8.136	-1	1977	61	0.7
2618.1	10000	38.4021	95.8220	-659	PW	2.1	-2	9.9	0	1.1	0	0.326	-1	2.509	-1	8.010	-1	1972	60	0.7
2618.2	10000	38.4028	95.8220	-657	PW	2.1	-2	9.9	0	1.1	0	0.330	-1	2.663	-1	8.262	-1	1972	55	0.7
2618.3	10000	38.4034	95.8220	-654	PW	2.1	-2	9.9	0	1.1	0	0.332	-1	2.688	-1	8.424	-1	1987	58	0.7
2618.4	10000	38.4040	95.8220	-651	PW	2.1	-2	9.9	0	1.1	0	0.330	-1	2.702	-1	8.207	-1	2014	52	0.7
2618.5	10000	38.4045	95.8221	-649	PW	2.1	-2	9.9	0	1.1	0	0.330	-1	2.705	-1	8.160	-1	2029	62	0.7
2618.6	10000	38.4051	95.8221	-647	PW	2.1	-2	9.9	0	1.1	0	0.329	-1	2.703	-1	8.211	-1	2062	44	0.7
2618.7	10000	38.4057	95.8221	-644	PW	2.1	-2	9.9	0	1.1	0	0.329	-1	2.705	-1	8.211	-1	2094	36	0.7
2618.8	10000	38.4063	95.8221	-642	PW	2.1	-2	9.9	0	1.1	0	0.329	-1	2.705	-1	8.211	-1	2127	36	0.7

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2618.9	10000	38.4069	95.8221	-639	PW	2.2	-2	11.9	2	1.4	1	0.184	-2	1.531	-2	8.345	0	2139	56	0.7
2619.0	10000	38.4074	95.8221	-637	PW	2.1	-2	11.9	2	1.4	1	0.174	-3	1.452	-2	8.325	0	2152	42	0.7
2619.1	10000	38.4080	95.8221	-635	PW	2.2	-2	11.2	1	1.3	1	0.199	-2	1.647	-2	8.288	0	2134	48	0.7
2619.2	10000	38.4086	95.8222	-633	PW	2.5	-1	10.8	1	1.3	1	0.227	-2	1.838	-1	8.111	0	2134	38	0.7
2619.3	10000	38.4092	95.8222	-631	PW	2.7	-1	10.5	1	1.3	0	0.255	-1	2.060	-1	8.076	0	2118	62	0.7
2619.4	10000	38.4097	95.8222	-629	PW	2.8	0	10.1	1	1.3	0	0.272	-1	2.134	-1	7.859	0	2096	53	0.7
2619.5	10000	38.4103	95.8222	-627	PW	2.8	0	9.7	0	1.3	0	0.283	0	2.186	-1	7.724	0	2063	48	0.7
2619.6	10000	38.4109	95.8222	-625	PW	2.8	0	9.8	0	1.2	0	0.286	0	2.329	0	8.135	0	2045	46	0.7
2619.7	10000	38.4115	95.8223	-624	PW	2.9	0	9.7	0	1.1	0	0.301	0	2.541	0	8.446	0	1990	34	0.7
2619.8	10000	38.4120	95.8223	-622	PW	3.0	0	9.8	-1	1.1	-1	0.337	1	2.712	1	8.048	0	1942	40	0.7
2619.9	10000	38.4126	95.8223	-621	PW	2.9	0	8.8	-1	1.0	-1	0.342	1	2.811	1	8.222	0	1893	47	0.7
2620.0	10000	38.4132	95.8223	-620	PW	3.0	0	8.1	-2	1.0	-2	0.375	2	3.139	1	8.359	0	1823	60	0.7
2620.1	10000	38.4138	95.8223	-618	PW	2.9	0	7.6	-2	0.9	-2	0.379	2	3.088	1	8.147	0	1766	64	0.7
2620.2	10000	38.4144	95.8223	-617	PW	2.8	0	7.9	-2	0.9	-2	0.350	1	3.020	1	8.626	0	1725	57	0.7
2620.3	10000	38.4149	95.8223	-615	PW	2.6	-1	7.6	-2	0.9	-2	0.346	1	2.953	1	8.528	0	1687	58	0.7
2620.4	10000	38.4155	95.8224	-614	PW	2.5	-1	7.6	-2	0.9	-2	0.334	1	2.312	1	8.412	0	1690	45	0.7
2620.5	10000	38.4161	95.8224	-613	PW	2.4	-1	7.7	-2	1.0	-2	0.317	0	2.545	0	8.039	0	1721	43	0.7
2620.6	10000	38.4167	95.8224	-612	PW	2.6	-1	7.8	-2	1.0	-1	0.327	1	2.526	0	7.723	0	1753	53	0.8
2620.7	10000	38.4173	95.8224	-610	PW	2.7	-1	8.2	-2	1.1	-1	0.327	1	2.454	0	7.513	-1	1787	50	0.8
2620.8	10000	38.4178	95.8224	-609	PW	2.6	-1	8.2	-2	1.1	-1	0.322	0	2.342	0	7.263	-1	1816	49	0.8
2620.9	10000	38.4184	95.8224	-607	PW	2.7	-1	8.4	-2	1.1	-1	0.337	1	2.503	0	7.417	-1	1846	55	0.8
2621.0	10000	38.4190	95.8225	-605	PW	2.8	0	8.4	-2	1.2	0	0.328	1	2.320	0	7.084	-1	1866	56	0.8
2621.1	10000	38.4196	95.8225	-604	PW	2.8	0	8.3	-2	1.2	0	0.342	1	2.298	0	6.724	-1	1849	50	0.8
2621.2	10000	38.4201	95.8225	-602	PW	2.6	-1	8.3	-2	1.2	0	0.301	0	2.139	-1	7.117	-1	1821	39	0.8
2621.3	10000	38.4207	95.8225	-600	PW	2.3	-2	8.3	-2	1.2	0	0.281	0	1.988	-1	7.077	-1	1790	43	0.8
2621.4	10000	38.4213	95.8225	-599	PW	2.2	-2	8.3	-2	1.1	-1	0.258	-1	1.901	-1	7.380	-1	1771	47	0.8
2621.5	10000	38.4219	95.8225	-594	PW	2.3	-2	8.3	-2	1.1	-1	0.277	-1	2.107	-1	7.619	-1	1757	60	0.8
2621.6	10000	38.4224	95.8226	-588	PW	2.2	-2	8.3	-2	1.1	-1	0.265	-1	1.959	-1	7.389	-1	1753	55	0.8
2621.7	10000	38.4230	95.8226	-591	PW	2.3	-2	8.3	-2	1.1	-1	0.275	-1	2.022	-1	7.355	-1	1763	55	0.8
2621.8	10000	38.4236	95.8226	-591	PW	2.3	-2	8.3	-2	1.1	-1	0.278	-1	2.195	-1	7.902	-1	1776	40	0.8
2621.9	10000	38.4242	95.8226	-589	PW	2.3	-2	8.3	-2	1.1	-1	0.290	-1	2.136	-1	7.409	-1	1807	46	0.8
2622.0	10000	38.4248	95.8226	-587	PW	2.3	-2	8.3	-2	1.1	-1	0.291	-1	2.494	-1	7.571	-1	1834	46	0.8
2622.1	10000	38.4253	95.8226	-585	PW	2.3	-2	8.3	-2	1.1	-1	0.274	-1	2.326	-1	7.496	-1	1851	46	0.8
2622.2	10000	38.4259	95.8227	-584	PW	2.3	-2	8.3	-2	1.1	-1	0.234	-1	2.036	-1	7.719	-1	1862	46	0.8
2622.3	10000	38.4265	95.8227	-582	PW	2.3	-2	8.3	-2	1.1	-1	0.249	-1	2.142	-1	7.602	-1	1867	46	0.8
2622.4	10000	38.4271	95.8227	-580	PW	2.3	-2	8.3	-2	1.1	-1	0.261	-1	2.255	-1	7.887	-1	1864	46	0.8
2622.5	10000	38.4276	95.8227	-578	PW	2.3	-2	8.3	-2	1.1	-1	0.266	-1	2.325	-1	7.726	-1	1865	46	0.8
2622.6	10000	38.4282	95.8227	-578	PW	2.3	-2	8.3	-2	1.1	-1	0.275	-1	2.368	-1	7.536	-1	1854	46	0.8
2622.7	10000	38.4288	95.8227	-577	PW	2.3	-2	8.3	-2	1.1	-1	0.288	-1	2.479	-1	7.665	-1	1859	46	0.8
2622.8	10000	38.4294	95.8227	-576	PW	2.3	-2	8.3	-2	1.1	-1	0.295	-1	2.539	-1	7.601	-1	1897	46	0.8
2622.9	10000	38.4299	95.8227	-575	PW	2.3	-2	8.3	-2	1.1	-1	0.295	-1	2.539	-1	7.601	-1	1928	46	0.8
2623.0	10000	38.4305	95.8227	-573	PW	2.3	-2	8.3	-2	1.1	-1	0.295	-1	2.539	-1	7.601	-1	1965	46	0.8
2623.1	10000	38.4311	95.8228	-572	PW	2.3	-2	8.3	-2	1.1	-1	0.295	-1	2.539	-1	7.601	-1	2004	46	0.8
2623.2	10000	38.4317	95.8228	-570	PW	2.3	-2	8.3	-2	1.1	-1	0.295	-1	2.539	-1	7.601	-1	2041	46	0.8
2623.3	10000	38.4323	95.8228	-568	PW	2.3	-2	8.3	-2	1.1	-1	0.295	-1	2.539	-1	7.601	-1	2068	46	0.8
2623.4	10000	38.4328	95.8228	-567	PW	2.3	-2	8.3	-2	1.1	-1	0.295	-1	2.539	-1	7.601	-1	2090	46	0.8
2623.5	10000	38.4334	95.8228	-565	PW	2.3	-2	8.3	-2	1.1	-1	0.295	-1	2.539	-1	7.601	-1	2100	46	0.8
2623.6	10000	38.4340	95.8228	-563	PW	2.3	-2	8.3	-2	1.1	-1	0.295	-1	2.539	-1	7.601	-1	2088	46	0.8
2623.7	10000	38.4346	95.8228	-562	PW	2.3	-2	8.3	-2	1.1	-1	0.295	-1	2.539	-1	7.601	-1	2039	46	0.8
2623.8	10000	38.4351	95.8228	-560	PW	2.3	-2	8.3	-2	1.1	-1	0.295	-1	2.539	-1	7.601	-1	2007	46	0.8
2624.0	10000	38.4363	95.8229	-557	PW	2.3	-2	8.3	-2	1.1	-1	0.295	-1	2.539	-1	7.601	-1	1977	46	0.8

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2624.1	10000	38.4369	95.8230	-587	PW	2.2	-2	11.0	1	1.0	-2	0.197	-2	2.257	0	11.476	3	1981	55	0.8
2624.2	10000	38.4375	95.8230	-588	PW	2.4	-1	10.8	1	1.0	-2	0.222	-2	2.468	0	11.097	3	1958	58	0.8
2624.3	10000	38.4380	95.8230	-590	PW	2.6	-1	10.3	0	0.9	-2	0.254	-1	2.767	1	10.892	3	1941	44	0.8
2624.4	10000	38.4386	95.8230	-591	PW	2.4	-1	9.9	0	1.0	-1	0.245	-1	2.432	0	9.914	2	1934	54	0.8
2624.5	10000	38.4392	95.8230	-592	PW	2.4	-1	9.5	0	1.1	-1	0.251	-1	2.249	0	8.960	1	1943	55	0.8
2624.6	10000	38.4398	95.8230	-592	PW	2.5	-1	9.4	0	1.1	-1	0.263	-1	2.301	0	8.753	1	1941	48	0.8
2624.7	10000	38.4404	95.8231	-593	PW	2.7	-1	9.4	-1	1.1	-1	0.284	0	2.457	0	8.656	0	1944	45	0.8
2624.8	10000	38.4409	95.8231	-594	PW	2.8	0	8.7	-1	1.0	-1	0.317	0	2.718	1	8.576	0	1927	43	0.8
2624.9	10000	38.4415	95.8231	-595	PW	2.7	-1	8.7	-1	1.0	-1	0.308	0	2.600	0	8.450	0	1926	51	0.8
2625.0	10000	38.4421	95.8231	-596	PW	2.9	0	8.8	-1	1.0	-2	0.326	1	2.937	1	8.995	1	1907	46	0.8
2625.1	10000	38.4426	95.8231	-596	PW	2.8	0	8.9	-1	1.0	-2	0.316	0	2.882	1	9.122	1	1905	48	0.7
2625.2	10000	38.4432	95.8231	-597	PW	3.1	0	9.2	-1	0.9	-2	0.337	1	3.302	2	9.796	2	1894	56	0.7
2625.3	10000	38.4438	95.8232	-599	PW	3.1	0	8.9	-1	0.9	-2	0.350	1	3.379	2	9.665	2	1876	54	0.7
2625.4	10000	38.4444	95.8232	-600	PW	3.2	0	8.5	-1	0.9	-2	0.370	1	3.422	2	9.250	1	1860	46	0.7
2625.5	10000	38.4450	95.8232	-601	PW	3.2	0	9.1	-1	1.0	-1	0.350	1	3.160	1	9.027	1	1858	47	0.7
2625.6	10000	38.4455	95.8232	-603	PW	3.0	0	8.9	-1	1.0	-1	0.339	1	2.933	1	8.663	1	1849	50	0.7
2625.7	10000	38.4461	95.8232	-604	PW	2.9	0	8.9	-1	1.0	-1	0.324	0	2.815	1	8.687	1	1850	62	0.7
2625.8	10000	38.4467	95.8232	-605	PW	3.2	1	8.9	-1	1.1	-1	0.361	1	3.058	1	8.470	0	1838	48	0.7
2625.9	10000	38.4473	95.8233	-607	PW	2.7	0	8.9	-1	1.1	-1	0.309	0	2.598	1	8.397	0	1829	47	0.7
2626.0	10000	38.4479	95.8233	-609	PW	2.7	-1	9.2	-1	1.1	-1	0.296	0	2.487	0	8.402	0	1831	53	0.7
2626.1	10000	38.4484	95.8233	-611	PW	2.7	-1	9.3	-1	1.1	-1	0.288	0	2.408	0	8.363	0	1841	48	0.7
2626.2	10000	38.4490	95.8233	-613	PW	2.7	-1	9.0	-1	1.1	-1	0.295	0	2.434	0	8.250	0	1865	62	0.7
2626.3	10000	38.4496	95.8233	-615	PW	2.8	0	9.0	-1	1.1	-1	0.304	0	2.587	0	8.495	0	1883	42	0.7
2626.4	10000	38.4502	95.8233	-617	PW	2.8	0	9.2	-1	1.1	-1	0.307	0	2.559	0	8.337	0	1897	45	0.7
2626.5	10000	38.4507	95.8233	-620	PW	2.4	-1	9.4	0	1.1	-1	0.254	-1	2.180	-1	8.594	0	1907	51	0.7
2626.6	10000	38.4513	95.8234	-623	PW	2.5	-1	9.5	0	1.1	0	0.263	-1	2.193	-1	8.325	0	1926	64	0.7
2626.7	10000	38.4519	95.8234	-625	PW	2.4	-1	9.6	0	1.1	0	0.249	-1	2.094	-1	8.401	0	1933	58	0.7
2626.8	10000	38.4525	95.8234	-627	PW	2.4	-1	9.7	0	1.1	0	0.248	-1	2.077	-1	8.364	0	1921	39	0.7
2626.9	10000	38.4531	95.8234	-631	PW	2.5	-1	9.6	0	1.1	0	0.266	-1	2.267	-1	8.535	0	1901	44	0.7
2627.0	10000	38.4536	95.8234	-634	PW	2.4	-1	9.6	0	1.1	0	0.268	-1	2.249	-1	8.398	0	1882	46	0.7
2627.1	10000	38.4542	95.8234	-637	PW	2.5	-1	9.7	0	1.1	0	0.252	-1	2.155	-1	8.570	0	1877	55	0.7
2627.2	10000	38.4548	95.8235	-639	PW	2.6	-1	9.7	0	1.1	0	0.247	-1	2.039	-1	8.269	0	1881	40	0.7
2627.3	10000	38.4554	95.8235	-642	PW	2.7	-1	9.7	0	1.1	0	0.274	-1	2.271	-1	8.298	0	1860	54	0.7
2627.4	10000	38.4559	95.8235	-645	PW	2.6	-1	9.7	0	1.1	0	0.294	-1	2.493	-1	8.476	0	1832	43	0.7
2627.5	10000	38.4565	95.8235	-648	PW	2.7	-1	9.7	0	1.1	0	0.285	-1	2.413	-1	8.471	0	1836	51	0.7
2627.6	10000	38.4571	95.8235	-651	PW	2.6	-1	9.7	0	1.1	0	0.258	-1	2.266	-1	8.798	0	1823	51	0.7
2627.7	10000	38.4577	95.8235	-654	PW	2.6	-1	9.7	0	1.1	0	0.268	-1	2.340	-1	9.045	0	1827	58	0.7
2627.8	10000	38.4582	95.8236	-657	PW	2.6	-1	9.7	0	1.1	0	0.258	-1	2.276	-1	8.826	0	1817	44	0.7
2627.9	10000	38.4588	95.8236	-660	PW	2.6	-1	9.7	0	1.1	0	0.268	-1	2.704	-1	9.271	0	1798	50	0.7
2628.0	10000	38.4594	95.8236	-664	PW	2.6	-1	9.7	0	1.1	0	0.269	-1	2.590	-1	9.211	0	1815	44	0.7
2628.1	10000	38.4600	95.8236	-666	PW	2.6	-1	9.7	0	1.1	0	0.275	-1	2.367	-1	8.816	0	1850	40	0.7
2628.2	10000	38.4606	95.8236	-670	PW	2.6	-1	9.7	0	1.1	0	0.273	-1	2.409	-1	8.765	0	1858	41	0.7
2628.3	10000	38.4611	95.8236	-672	PW	2.6	-1	9.7	0	1.1	0	0.279	-1	2.251	-1	8.233	0	1886	50	0.7
2628.4	10000	38.4617	95.8237	-676	PW	2.6	-1	9.7	0	1.1	0	0.277	-1	2.492	-1	8.703	0	1902	40	0.6
2628.5	10000	38.4623	95.8237	-678	PW	2.6	-1	9.7	0	1.1	0	0.293	-1	2.112	-1	8.613	0	1936	48	0.6
2628.6	10000	38.4629	95.8237	-681	PW	2.6	-1	9.7	0	1.1	0	0.275	-1	2.001	-1	8.190	0	1971	46	0.6
2628.7	10000	38.4634	95.8237	-684	PW	2.6	-1	9.7	0	1.1	0	0.282	-1	2.194	-1	8.286	0	1969	47	0.6
2628.8	10000	38.4640	95.8237	-686	PW	2.6	-1	9.7	0	1.1	0	0.270	-1	2.143	-1	7.990	0	1975	47	0.6
2628.9	10000	38.4646	95.8237	-689	PW	2.6	-1	9.7	0	1.1	0	0.285	-1	2.214	-1	7.977	0	1990	41	0.6
2629.0	10000	38.4652	95.8238	-692	PW	2.6	-1	9.7	0	1.1	0	0.275	-1	2.393	-1	7.987	0	2002	42	0.6
2629.1	10000	38.4658	95.8238	-694	PW	2.6	-1	9.7	0	1.1	0	0.288	-1	2.381	-1	8.349	0	2002	48	0.6
2629.2	10000	38.4663	95.8238	-696	PW	2.6	-1	9.7	0	1.1	0	0.288	-1	2.468	-1	8.554	0	1988	0	0.6

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2629.3	10000	38.4669	95.8238	-699	PW	2.7	-1	10.5	1	1.2	0	0.259	-1	2.274	0	8.776	1	1982	60	0.6
2629.4	10000	38.4675	95.8238	-701	PW	2.9	0	10.4	1	1.2	0	0.279	0	2.444	0	8.763	1	2000	43	0.6
2629.5	10000	38.4681	95.8238	-702	PS	2.9	0	10.2	0	1.2	0	0.290	-1	2.450	0	8.454	0	2008	50	0.6
2629.6	10000	38.4686	95.8239	-704	PS	2.8	-1	10.1	0	1.2	0	0.281	-1	2.305	-1	8.208	0	1998	56	0.6
2629.7	10000	38.4692	95.8239	-706	PS	3.0	0	10.1	0	1.2	0	0.292	-1	2.422	-1	8.283	0	1981	55	0.6
2629.8	10000	38.4701	95.8239	-708	PS	3.2	0	9.9	0	1.2	0	0.324	0	2.703	0	8.339	0	1963	49	0.6
2629.9	10000	38.4709	95.8238	-711	PS	3.2	0	9.6	0	1.2	0	0.336	0	2.798	0	8.338	0	1952	58	0.6
2630.0	10000	38.4717	95.8238	-713	PS	3.3	0	9.3	0	1.1	0	0.352	0	2.931	0	8.333	0	1931	43	0.6
2630.1	10000	38.4726	95.8238	-713	PS	3.2	0	9.1	0	1.1	0	0.346	0	2.825	0	8.160	0	1899	40	0.6
2630.2	10000	38.4734	95.8238	-716	PS	3.2	0	9.1	-1	1.1	0	0.350	0	2.819	0	8.055	0	1872	47	0.6
2630.3	10000	38.4743	95.8238	-718	PS	3.1	0	8.9	-1	1.1	-1	0.351	0	2.958	1	8.425	0	1851	51	0.6
2630.4	10000	38.4751	95.8238	-719	PS	2.9	0	8.4	-1	1.0	-1	0.343	0	2.806	0	8.171	0	1822	54	0.6
2630.5	10000	38.4759	95.8238	-721	PS	2.8	-1	8.2	-1	1.0	-1	0.340	0	2.707	0	7.957	0	1787	60	0.6
2630.6	10000	38.4768	95.8238	-722	PS	2.7	-1	7.8	-2	1.0	-1	0.339	0	2.627	0	7.746	0	1720	56	0.6
2630.7	10000	38.4776	95.8237	-724	PS	2.7	-1	7.2	-2	0.9	-1	0.371	1	2.829	0	7.633	-1	1637	49	0.6
2630.8	10000	38.4784	95.8237	-725	PS	2.7	-1	6.6	-3	0.9	-2	0.407	1	3.120	1	7.666	-1	1514	49	0.6
2630.9	10000	38.4793	95.8237	-727	PS	2.3	-2	5.4	-4	0.7	-2	0.429	2	3.137	1	7.319	-1	1330	44	0.6
2631.0	10000	38.4801	95.8237	-729	PS	2.1	-2	4.3	-5	0.6	-3	0.483	3	3.378	1	7.001	-1	1112	47	0.6
2631.1	10000	38.4810	95.8237	-730	PS	1.8	-3	3.5	-6	0.5	-4	0.497	3	3.688	2	7.422	-1	896	52	0.6
2631.2	10000	38.4818	95.8237	-731	PS	1.3	-4	2.5	-6	0.3	-5	0.522	3	3.886	2	7.447	-1	681	54	0.6
2631.3	10000	38.4826	95.8237	-732	PS	1.0	-4	1.6	-7	0.2	-5	0.651	6	4.912	4	7.542	-1	497	46	0.6
2631.4	10000	38.4835	95.8237	-733	PS	0.7	-5	1.1	-8	0.1	-6	0.639	6	5.215	5	8.156	0	339	40	0.6
2631.5	10111	38.4843	95.8236	-734	WATER	0.4	999	0.6	999	0.1	999	0.000	999	0.000	999	0.000	999	223	59	0.6
2631.6	10111	38.4852	95.8236	-735	WATER	0.3	999	0.5	999	0.0	999	0.000	999	0.000	999	0.000	999	164	45	0.6
2631.7	10111	38.4860	95.8236	-735	WATER	0.3	999	0.5	999	0.0	999	0.000	999	0.000	999	0.000	999	147	53	0.6
2631.8	10111	38.4868	95.8236	-736	WATER	0.3	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	142	47	0.6
2631.9	10111	38.4877	95.8236	-736	WATER	0.4	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	138	51	0.6
2632.0	10111	38.4885	95.8236	-736	WATER	0.4	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	133	39	0.6
2632.1	10111	38.4894	95.8236	-736	WATER	0.4	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	135	52	0.6
2632.2	10111	38.4902	95.8236	-736	WATER	0.3	999	0.4	999	0.0	999	0.000	999	0.000	999	0.000	999	134	47	0.6
2632.3	10111	38.4910	95.8235	-736	WATER	0.4	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	133	54	0.6
2632.4	10111	38.4919	95.8235	-736	WATER	0.4	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	134	51	0.6
2632.5	10111	38.4927	95.8235	-736	WATER	0.4	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	135	56	0.6
2632.6	10111	38.4936	95.8235	-737	WATER	0.3	999	0.1	999	0.0	999	0.000	999	0.000	999	0.000	999	143	43	0.6
2632.7	10111	38.4944	95.8235	-737	WATER	0.4	999	0.2	999	0.0	999	0.000	999	0.000	999	0.000	999	156	43	0.6
2632.8	10111	38.4952	95.8235	-737	WATER	0.3	999	0.3	999	0.0	999	0.000	999	0.000	999	0.000	999	169	51	0.6
2632.9	10111	38.4961	95.8235	-738	WATER	0.5	999	0.5	999	0.1	999	0.000	999	0.000	999	0.000	999	228	50	0.6
2633.0	10000	38.4969	95.8235	-738	WATER	0.6	999	1.0	999	0.2	999	0.642	999	3.950	999	6.149	999	350	44	0.6
2633.1	10000	38.4977	95.8235	-739	WATER	0.9	999	1.7	999	0.2	999	0.561	999	3.799	999	6.771	999	529	49	0.6
2633.2	10000	38.4986	95.8234	-740	WATER	1.3	999	2.9	999	0.4	999	0.440	999	3.658	999	8.319	999	732	48	0.6
2633.3	10000	38.4994	95.8234	-742	WATER	1.7	999	4.0	999	0.5	999	0.424	999	3.547	999	8.369	999	967	43	0.6
2633.4	10000	38.5003	95.8234	-744	WATER	2.0	999	5.6	999	0.6	999	0.353	999	3.088	999	8.759	999	1212	53	0.6
2633.5	10000	38.5011	95.8234	-745	PW	2.3	-1	6.8	-3	0.8	-3	0.341	1	3.048	1	8.950	1	1451	50	0.6
2633.6	10000	38.5019	95.8234	-747	PW	2.6	-1	8.4	-2	0.9	-2	0.306	0	2.890	1	8.436	1	1640	39	0.6
2633.7	10000	38.5028	95.8234	-748	PW	2.6	-1	9.0	-1	1.0	-2	0.289	0	2.694	0	9.316	1	1753	47	0.6
2633.8	10000	38.5036	95.8234	-750	PW	2.3	-1	9.5	0	1.1	-1	0.245	-1	2.215	-1	9.026	1	1802	49	0.6
2633.9	10000	38.5045	95.8233	-752	PW	2.3	-1	9.4	0	1.1	-1	0.248	-1	2.083	-1	9.384	1	1821	54	0.6
2634.0	10000	38.5053	95.8233	-754	PW	2.1	-1	9.5	0	1.1	-1	0.241	-1	2.017	-1	9.368	1	1798	49	0.6
2634.1	10000	38.5061	95.8233	-756	PW	2.1	-1	9.4	0	1.1	-1	0.245	-1	2.140	-1	9.727	1	1773	52	0.6
2634.2	10000	38.5070	95.8233	-759	PW	2.0	-2	9.3	-1	1.1	-1	0.240	-1	2.130	-1	9.451	1	1738	47	0.6
2634.3	10000	38.5078	95.8233	-761	PW	1.9	-2	8.8	-1	1.0	-1	0.246	-1	1.933	-1	7.857	0	1699	39	0.6
2634.4	10000	38.5087	95.8233	-764	PW	2.1	-2	8.4	-1	1.0	-1	0.251	-1	2.051	-1	8.156	0	1676	55	0.6

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2634.5	10000	38.5095	95.8233	-767	PW	2.3	-1	8.3	-2	1.0	-1	0.275	-1	2.287	0	8.322	0	1654	40	0.6
2634.6	10000	38.5103	95.8233	-770	PW	2.3	-1	8.2	-2	1.0	-2	0.282	0	2.422	0	8.583	0	1654	49	0.6
2634.7	10000	38.5112	95.8233	-773	PW	2.3	-1	8.3	-2	1.0	-1	0.277	-1	2.305	0	8.320	0	1661	50	0.6
2634.8	10000	38.5120	95.8232	-776	PW	2.1	-2	8.1	-2	1.0	-1	0.264	-1	2.055	-1	7.772	0	1679	56	0.6
2634.9	10000	38.5128	95.8232	-779	PW	2.3	-1	8.3	-2	1.1	-1	0.279	0	2.094	-1	7.507	-1	1712	43	0.6
2635.0	10000	38.5137	95.8232	-781	PW	2.2	-2	8.5	-1	1.1	-1	0.262	-1	1.993	-1	7.604	-1	1760	46	0.6
2635.1	10000	38.5145	95.8232	-784	PW	2.0	-2	8.5	-1	1.1	-1	0.237	-1	1.767	-1	7.458	-1	1791	53	0.6
2635.2	10000	38.5154	95.8232	-788	PW	2.3	-1	8.9	-1	1.2	0	0.255	-1	1.947	-1	7.636	-1	1847	44	0.6
2635.3	10000	38.5162	95.8232	-790	PW	2.1	-2	8.7	-1	1.2	0	0.245	-1	1.722	-2	7.034	-1	1875	56	0.6
2635.4	10000	38.5171	95.8232	-793	PW	2.1	-2	8.6	-1	1.2	0	0.248	-1	1.759	-1	7.090	-1	1913	34	0.6
2635.5	10000	38.5179	95.8232	-795	PW	2.3	-1	8.4	-2	1.3	0	0.270	-1	1.766	-1	6.528	-2	1921	58	0.6
2635.6	10000	38.5187	95.8232	-797	PW	2.2	-2	8.8	-1	1.3	0	0.247	-1	1.703	-2	6.902	-1	1925	46	0.6
2635.7	10000	38.5196	95.8231	-800	PW	2.2	-2	8.9	-1	1.3	0	0.253	-1	1.744	-1	6.906	-1	1927	40	0.6
2635.8	10000	38.5204	95.8231	-804	PW	2.7	-1	9.1	-1	1.3	1	0.297	0	2.058	-1	6.941	-1	1957	36	0.6
2635.9	10000	38.5212	95.8231	-806	PW	2.4	-1	8.9	-1	1.3	1	0.263	-1	1.791	-1	6.802	-1	1952	46	0.6
2636.0	10000	38.5221	95.8231	-808	PW	2.4	-1	9.1	-1	1.3	1	0.264	-1	1.843	-1	6.987	-1	1965	47	0.6
2636.1	10000	38.5228	95.8231	-810	PW	2.7	-1	9.3	-1	1.3	0	0.293	0	2.095	-1	7.143	-1	1950	41	0.6
2636.2	10000	38.5234	95.8231	-811	PW	2.7	-1	9.3	-1	1.2	0	0.293	0	2.217	-1	7.568	-1	1924	51	0.6
2636.3	10000	38.5241	95.8230	-812	PW	2.7	-1	8.7	-1	1.2	0	0.309	0	2.231	0	7.230	-1	1901	50	0.6
2636.4	10000	38.5248	95.8230	-812	PW	2.8	0	8.3	-2	1.2	0	0.334	1	2.334	0	6.996	-1	1872	54	0.6
2636.5	10000	38.5254	95.8230	-813	PW	2.7	0	8.1	-2	1.1	-1	0.338	1	2.414	0	7.140	-1	1838	48	0.6
2636.6	10000	38.5261	95.8230	-815	PW	2.8	0	7.7	-2	1.1	-1	0.366	1	2.616	0	7.152	-1	1791	53	0.7
2636.7	10000	38.5268	95.8229	-816	PW	2.8	0	8.1	-2	1.0	-2	0.349	1	2.913	1	8.356	0	1751	46	0.7
2636.8	10000	38.5275	95.8229	-817	PW	2.4	-1	8.1	-2	0.9	-2	0.296	0	2.601	0	8.790	1	1722	60	0.7
2636.9	10000	38.5281	95.8229	-818	PW	2.4	-1	8.2	-2	0.9	-2	0.299	0	2.781	1	9.315	1	1703	41	0.7
2637.0	10000	38.5288	95.8229	-817	PW	2.5	-1	8.5	-1	0.8	-2	0.298	0	3.017	1	10.115	2	1678	70	0.7
2637.1	10000	38.5295	95.8228	-818	PW	2.5	-1	8.7	-1	0.8	-3	0.293	0	3.152	1	10.748	3	1671	43	0.7
2637.2	10000	38.5302	95.8228	-818	PW	2.4	-1	8.5	-1	0.8	-3	0.286	0	3.147	1	10.992	3	1653	55	0.7
2637.3	10000	38.5308	95.8228	-818	PW	2.3	-1	8.6	-1	0.8	-3	0.272	-1	3.000	1	11.047	3	1653	54	0.7
2637.4	10000	38.5315	95.8228	-819	PP	2.4	-1	8.5	-1	0.8	-3	0.281	0	2.984	1	10.634	3	1644	40	0.7
2637.5	10000	38.5322	95.8227	-819	PP	2.4	-1	8.4	-2	0.8	-3	0.282	0	2.884	1	10.232	2	1653	38	0.7
2637.6	10000	38.5328	95.8227	-818	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.598	1	9.249	2	1682	57	0.7
2637.7	10000	38.5335	95.8227	-818	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.566	1	9.004	2	1709	58	0.7
2637.8	10000	38.5342	95.8227	-817	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.232	1	8.824	2	1735	49	0.7
2637.9	10000	38.5349	95.8227	-816	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.997	1	8.484	2	1759	58	0.7
2638.0	10000	38.5355	95.8226	-815	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.098	1	8.456	2	1799	50	0.7
2638.1	10000	38.5362	95.8226	-815	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.029	1	8.223	2	1837	36	0.7
2638.2	10000	38.5369	95.8226	-814	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.054	1	8.112	2	1876	47	0.7
2638.3	10000	38.5376	95.8226	-813	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.187	1	8.568	2	1899	48	0.7
2638.4	10000	38.5382	95.8226	-812	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.075	1	8.399	2	1945	41	0.7
2638.5	10000	38.5389	95.8225	-811	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.250	1	8.385	2	1973	55	0.7
2638.6	10000	38.5396	95.8225	-811	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.263	1	8.825	2	1999	41	0.7
2638.7	10000	38.5402	95.8225	-810	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.136	1	8.548	2	1995	56	0.7
2638.8	10000	38.5409	95.8225	-810	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.057	1	8.202	2	1988	51	0.7
2638.9	10000	38.5416	95.8224	-809	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.250	1	8.919	2	1978	44	0.7
2639.0	10000	38.5423	95.8224	-809	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.203	1	8.174	2	1960	40	0.7
2639.1	10000	38.5429	95.8224	-808	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.362	1	8.988	2	1923	58	0.7
2639.2	10000	38.5436	95.8224	-808	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.572	1	8.945	2	1874	53	0.7
2639.3	10000	38.5443	95.8223	-807	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	2.861	1	8.679	2	1839	48	0.7
2639.4	10000	38.5450	95.8223	-807	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	3.191	1	8.515	2	1814	41	0.7
2639.5	10000	38.5456	95.8223	-806	PP	2.4	-1	8.4	-2	0.8	-3	0.285	0	3.508	1	8.209	2	1789	55	0.7
2639.6	10000	38.5463	95.8223	-811	PP	2.9	1	9.0	0	0.8	-3	0.352	1	3.541	1	10.071	2	1759	39	0.7

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2639.7	10000	38.5470	95.8223	-811	PW	3.1	0	8.2	-2	0.8	-3	0.382	2	3.886	3	10.183	2	1743	62	0.7
2639.8	10000	38.5476	95.8223	-812	PW	3.0	0	8.4	-2	0.8	-3	0.358	1	3.789	3	10.571	2	1742	54	0.7
2639.9	10000	38.5483	95.8222	-813	PW	2.6	-1	8.5	-1	0.8	-2	0.304	0	3.120	1	10.260	2	1746	50	0.7
2640.0	10000	38.5490	95.8222	-813	PW	2.5	-1	8.9	-1	0.9	-2	0.277	-1	2.850	1	10.285	2	1732	64	0.7
2640.1	10000	38.5497	95.8222	-814	PW	2.4	-1	9.3	-1	0.9	-2	0.259	-1	2.576	0	9.933	2	1747	41	0.7
2640.2	10000	38.5503	95.8222	-814	PW	2.1	-2	9.5	0	0.9	-2	0.221	-2	2.242	0	10.127	2	1754	53	0.7
2640.3	10000	38.5510	95.8221	-813	PW	2.1	-2	9.7	0	1.0	-1	0.218	-2	2.138	-1	9.831	2	1770	38	0.7
2640.4	10000	38.5517	95.8221	-814	PW	2.1	-2	9.7	0	1.0	-1	0.215	-2	2.087	-1	9.712	2	1779	38	0.7
2640.5	10000	38.5524	95.8221	-815	PW	2.0	-2	9.7	0	1.0	-1	0.210	-2	1.990	-1	9.473	1	1773	57	0.7
2640.6	10000	38.5530	95.8221	-817	PW	2.3	-1	9.9	0	1.0	-2	0.236	-1	2.379	0	10.070	2	1768	43	0.7
2640.7	10000	38.5537	95.8220	-818	PW	2.3	-1	9.4	-1	1.0	-2	0.250	-1	2.404	0	9.604	1	1771	44	0.7
2640.8	10000	38.5544	95.8220	-820	PW	2.5	-1	8.8	-1	1.0	-1	0.283	0	2.517	0	8.885	1	1766	46	0.7
2640.9	10000	38.5550	95.8220	-823	PW	2.6	-1	8.2	-2	1.0	-1	0.320	0	2.524	0	7.878	0	1779	48	0.7
2641.0	10000	38.5557	95.8220	-826	PW	2.5	-1	8.1	-2	1.0	-1	0.312	0	2.407	0	7.704	0	1799	42	0.7
2641.1	10000	38.5564	95.8220	-828	PW	2.7	-1	7.9	-2	1.1	-1	0.344	1	2.431	0	7.065	-1	1822	47	0.7
2641.2	10000	38.5571	95.8219	-831	PW	2.9	0	7.7	-2	1.1	-1	0.369	1	2.535	0	6.867	-1	1850	55	0.7
2641.3	10000	38.5577	95.8219	-833	PW	2.8	0	7.5	-2	1.2	0	0.374	1	2.394	0	6.407	-2	1885	40	0.7
2641.4	10000	38.5584	95.8219	-837	PW	2.8	0	8.4	-1	1.2	0	0.338	1	2.412	0	7.129	-1	1923	52	0.7
2641.5	10000	38.5591	95.8219	-841	PW	2.6	-1	8.6	-1	1.2	0	0.298	0	2.211	-1	7.412	-1	1941	39	0.7
2641.6	10000	38.5598	95.8218	-843	PW	2.6	-1	9.3	-1	1.2	0	0.280	0	2.232	0	7.972	0	1962	54	0.7
2641.7	10000	38.5604	95.8218	-846	PW	2.7	0	9.7	0	1.2	0	0.281	0	2.328	0	8.286	0	1978	69	0.7
2641.8	10000	38.5611	95.8218	-848	PW	2.5	-1	9.8	0	1.1	-1	0.249	-1	2.146	-1	8.613	0	1989	37	0.7
2641.9	10000	38.5618	95.8218	-850	PW	2.4	-1	10.5	1	1.1	-1	0.230	-1	2.143	-1	9.323	1	1994	63	0.7
2642.0	10000	38.5624	95.8217	-852	PW	2.4	-1	10.9	1	1.1	-1	0.219	-2	2.144	-1	9.779	2	2005	47	0.6
2642.1	10000	38.5631	95.8217	-853	PW	2.5	-1	10.7	1	1.1	-1	0.236	-1	2.234	0	9.485	1	2005	44	0.6
2642.2	10000	38.5638	95.8217	-854	PW	2.6	-1	10.7	1	1.2	0	0.246	-1	2.294	0	9.333	1	2015	51	0.6
2642.3	10000	38.5645	95.8217	-854	PW	2.9	0	10.1	1	1.2	-1	0.283	0	2.679	0	9.475	1	1991	44	0.6
2642.4	10000	38.5651	95.8217	-854	PW	3.0	0	9.8	1	1.0	-1	0.301	0	2.886	1	9.589	1	1967	43	0.6
2642.5	10000	38.5658	95.8216	-854	PW	3.0	0	10.1	1	1.0	-1	0.302	0	3.003	1	9.951	2	1957	42	0.6
2642.6	10000	38.5665	95.8216	-853	PW	3.0	0	9.4	1	1.0	-1	0.319	0	2.828	1	8.854	1	1954	47	0.6
2642.7	10000	38.5671	95.8216	-851	PW	2.9	0	8.9	0	1.0	-1	0.336	0	2.914	1	8.673	1	1941	44	0.6
2642.8	10000	38.5678	95.8216	-849	PW	2.8	0	8.4	0	1.0	-1	0.336	0	2.715	1	8.356	1	1933	39	0.6
2642.9	10000	38.5685	95.8215	-846	PW	2.8	0	8.1	0	1.0	-1	0.325	0	2.852	1	8.449	1	1927	54	0.6
2643.0	10000	38.5692	95.8215	-844	PW	2.7	0	8.0	0	1.0	-1	0.338	0	2.576	1	8.024	1	1947	49	0.6
2643.1	10000	38.5698	95.8215	-842	PW	2.6	-1	7.8	0	1.0	-1	0.332	0	2.370	1	7.400	0	1953	51	0.6
2643.2	10000	38.5705	95.8215	-839	PW	2.5	-1	7.4	0	1.0	-1	0.338	0	2.350	1	7.451	0	1962	38	0.6
2643.3	10000	38.5712	95.8215	-836	PW	2.4	-1	7.1	0	1.0	-1	0.338	0	2.428	1	7.295	0	1965	54	0.6
2643.4	10000	38.5719	95.8214	-834	PW	2.3	-1	6.9	0	1.0	-1	0.329	0	2.406	1	7.295	0	1973	54	0.6
2643.5	10000	38.5725	95.8214	-831	PW	2.3	-1	6.8	0	1.0	-1	0.329	0	2.450	1	7.295	0	1990	42	0.6
2643.6	10000	38.5732	95.8214	-828	PW	2.2	-1	6.7	0	1.0	-1	0.328	0	2.462	1	7.295	0	1998	56	0.6
2643.7	10000	38.5739	95.8214	-825	PW	2.2	-1	6.6	0	1.0	-1	0.333	0	2.386	1	7.295	0	1987	47	0.6
2643.8	10000	38.5745	95.8213	-822	PW	2.2	-1	6.6	0	1.0	-1	0.333	0	2.386	1	7.295	0	1992	51	0.6
2643.9	10000	38.5752	95.8213	-819	PW	2.2	-1	6.6	0	1.0	-1	0.333	0	2.386	1	7.295	0	1967	53	0.6
2644.0	10000	38.5759	95.8213	-817	PW	2.2	-1	6.6	0	1.0	-1	0.333	0	2.386	1	7.295	0	1955	65	0.6
2644.1	10000	38.5766	95.8213	-815	PW	2.2	-1	6.6	0	1.0	-1	0.333	0	2.386	1	7.295	0	1928	41	0.6
2644.2	10000	38.5772	95.8212	-813	PW	2.2	-1	6.6	0	1.0	-1	0.333	0	2.386	1	7.295	0	1899	45	0.6
2644.3	10000	38.5779	95.8212	-811	PW	2.2	-1	6.6	0	1.0	-1	0.333	0	2.386	1	7.295	0	1874	51	0.6
2644.4	10000	38.5786	95.8212	-810	PW	2.2	-1	6.6	0	1.0	-1	0.333	0	2.386	1	7.295	0	1867	54	0.6
2644.5	10000	38.5793	95.8212	-807	PW	2.2	-1	6.6	0	1.0	-1	0.333	0	2.386	1	7.295	0	1849	46	0.6
2644.6	10000	38.5799	95.8212	-806	PW	2.2	-1	6.6	0	1.0	-1	0.333	0	2.386	1	7.295	0	1846	47	0.6
2644.7	10000	38.5806	95.8211	-806	PW	2.2	-1	6.6	0	1.0	-1	0.333	0	2.386	1	7.295	0	1828	44	0.6
2644.8	10000	38.5813	95.8211	-806	PW	2.2	-1	6.6	0	1.0	-1	0.333	0	2.386	1	7.295	0	1842	37	0.6

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2644.9	10000	38.5819	95.8211	-806	PW	2.6	-1	8.9	-1	1.1	-1	0.290	0	2.281	0	7.879	0	1866	47	0.6
2645.0	10000	38.5826	95.8211	-808	PW	2.7	-1	9.1	-1	1.1	-1	0.297	0	2.412	0	8.112	0	1888	45	0.6
2645.1	10000	38.5832	95.8211	-808	PW	2.8	0	9.4	-1	1.1	-1	0.298	0	2.460	0	8.245	0	1920	55	0.6
2645.2	10000	38.5839	95.8211	-809	PW	3.0	0	9.6	0	1.1	-1	0.312	0	2.690	0	8.625	0	1952	47	0.6
2645.3	10000	38.5845	95.8211	-810	PW	2.9	0	9.6	0	1.1	-1	0.305	0	2.678	0	8.778	1	1992	49	0.6
2645.4	10000	38.5852	95.8211	-813	PW	3.2	1	9.5	0	1.1	-1	0.338	1	2.920	1	8.631	0	2030	46	0.6
2645.5	10000	38.5859	95.8211	-813	PW	3.5	1	9.6	0	1.1	-1	0.368	1	3.194	2	8.675	1	2061	52	0.6
2645.6	10000	38.5865	95.8211	-815	PW	3.5	1	9.6	0	1.1	-1	0.366	1	3.096	1	8.455	0	2060	50	0.6
2645.7	10000	38.5872	95.8211	-817	PW	3.4	1	9.4	0	1.2	0	0.360	1	2.906	1	8.074	0	2066	49	0.6
2645.8	10000	38.5878	95.8211	-820	PW	3.2	0	9.4	0	1.2	0	0.336	1	2.608	0	7.765	0	2058	54	0.6
2645.9	10000	38.5885	95.8211	-824	PW	3.2	1	9.6	0	1.2	0	0.336	1	2.588	0	7.704	0	2051	43	0.6
2646.0	10000	38.5891	95.8211	-828	PW	3.1	0	9.6	0	1.2	0	0.327	1	2.590	0	7.921	0	2043	36	0.6
2646.1	10000	38.5898	95.8211	-831	PW	2.8	0	9.9	0	1.2	0	0.286	0	2.284	0	7.984	0	2036	46	0.6
2646.2	10000	38.5905	95.8211	-834	PW	2.7	-1	9.7	0	1.3	0	0.280	0	2.097	-1	7.479	-1	2018	47	0.6
2646.3	10000	38.5911	95.8211	-837	PW	2.6	-1	9.9	0	1.3	0	0.265	-1	2.047	-1	7.718	0	2017	51	0.6
2646.4	10000	38.5918	95.8211	-841	PW	2.7	-1	9.9	0	1.3	0	0.273	-1	2.094	-1	7.683	0	2028	47	0.6
2646.5	10000	38.5924	95.8211	-844	PW	2.6	-1	10.0	0	1.2	0	0.256	-1	2.126	-1	8.307	0	2045	56	0.6
2646.6	10000	38.5931	95.8211	-847	PW	2.6	-1	10.1	0	1.2	0	0.254	-1	2.106	-1	8.288	0	2070	52	0.6
2646.7	10000	38.5938	95.8211	-852	PW	2.7	-1	10.2	0	1.3	0	0.263	-1	2.075	-1	7.895	0	2086	46	0.6
2646.8	10000	38.5944	95.8211	-855	PW	2.9	0	10.2	0	1.3	0	0.288	0	2.339	0	8.120	0	2092	38	0.6
2646.9	10000	38.5951	95.8211	-860	PW	3.0	1	10.4	0	1.2	0	0.287	0	2.535	0	8.824	1	2105	57	0.6
2647.0	10000	38.5957	95.8211	-864	PW	3.2	1	10.1	0	1.2	0	0.322	0	2.739	1	8.500	0	2134	42	0.6
2647.1	10000	38.5964	95.8211	-868	PW	3.1	1	10.3	0	1.2	0	0.319	0	2.673	0	8.385	0	2142	44	0.6
2647.2	10000	38.5970	95.8211	-872	PW	3.5	1	9.9	0	1.2	0	0.349	1	2.775	1	7.942	0	2152	45	0.6
2647.3	10000	38.5977	95.8210	-877	PW	3.5	1	10.2	0	1.3	0	0.343	1	2.701	1	7.880	0	2160	46	0.6
2647.4	10000	38.5983	95.8210	-881	PW	3.5	1	10.0	0	1.3	1	0.352	1	2.639	0	7.500	-1	2181	51	0.6
2647.5	10000	38.5990	95.8210	-885	PW	3.6	1	10.0	0	1.4	1	0.364	1	2.591	0	7.114	-1	2206	53	0.6
2647.6	10000	38.5997	95.8210	-888	PW	3.3	0	10.4	0	1.4	0	0.315	0	2.299	0	7.293	-1	2212	58	0.6
2647.7	10000	38.6003	95.8210	-891	PW	3.0	0	10.8	1	1.5	1	0.275	-1	2.001	-1	7.264	-1	2219	49	0.6
2647.8	10000	38.6010	95.8210	-894	PW	3.0	0	10.9	1	1.5	2	0.273	-1	2.001	-1	7.342	-1	2222	41	0.6
2647.9	10000	38.6016	95.8210	-897	PW	2.7	0	10.8	1	1.5	1	0.237	-1	1.784	-1	7.535	-1	2224	58	0.6
2648.0	10000	38.6023	95.8210	-899	PW	2.7	-1	10.9	1	1.5	2	0.226	-1	1.752	-1	7.734	-1	2217	53	0.6
2648.1	10000	38.6029	95.8210	-901	PW	2.5	-1	11.1	1	1.5	2	0.208	-2	1.645	-1	7.895	-1	2208	53	0.6
2648.2	10000	38.6036	95.8210	-903	QAL	2.3	-1	11.2	1	1.5	2	0.191	-2	1.569	-1	8.232	-1	2226	49	0.6
2648.3	10000	38.6042	95.8210	-904	QAL	2.6	-1	11.7	1	1.5	2	0.224	-2	1.704	-1	7.607	-1	2249	52	0.6
2648.4	10000	38.6049	95.8210	-905	QAL	2.7	-1	11.6	1	1.5	2	0.234	-2	1.781	-1	7.626	-1	2260	58	0.6
2648.5	10000	38.6056	95.8210	-906	QAL	2.7	-1	11.3	1	1.5	2	0.236	-2	1.733	-1	7.354	-1	2278	38	0.6
2648.6	10000	38.6062	95.8210	-906	QAL	2.9	-1	10.7	1	1.5	1	0.270	-1	1.750	-1	6.484	-1	2307	42	0.6
2648.7	10000	38.6069	95.8210	-907	QAL	2.8	-1	9.9	1	1.5	1	0.288	-1	1.678	-1	5.824	-1	2311	39	0.6
2648.8	10000	38.6075	95.8210	-906	QAL	2.6	-1	9.8	1	1.5	1	0.322	-1	1.858	-1	5.772	-1	2295	54	0.6
2648.9	10000	38.6082	95.8210	-906	QAL	2.6	-1	9.8	1	1.5	1	0.320	-1	1.776	-1	5.509	-1	2250	56	0.6
2649.0	10000	38.6089	95.8210	-905	QAL	2.6	-1	9.9	1	1.5	1	0.311	-1	1.804	-1	5.631	-1	2192	42	0.6
2649.1	10000	38.6095	95.8210	-904	QAL	2.6	-1	9.9	1	1.5	1	0.310	-1	1.679	-1	5.402	-1	2124	56	0.6
2649.2	10000	38.6102	95.8210	-903	QAL	2.6	-1	9.9	1	1.5	1	0.302	-1	1.752	-1	5.645	-1	2046	47	0.6
2649.3	10000	38.6108	95.8210	-905	QAL	2.6	-1	9.9	1	1.5	1	0.275	-1	1.903	-1	6.312	-1	1970	49	0.6
2649.4	10000	38.6115	95.8210	-904	QAL	2.6	-1	9.9	1	1.5	1	0.246	-1	1.884	-1	6.862	-1	1910	50	0.6
2649.5	10000	38.6121	95.8210	-902	QAL	2.6	-1	9.9	1	1.5	1	0.249	-1	1.680	-1	6.841	-1	1868	52	0.6
2649.6	10000	38.6128	95.8210	-901	QAL	2.5	-1	9.9	1	1.5	1	0.240	-1	1.692	-1	6.802	-1	1850	43	0.6
2649.7	10000	38.6135	95.8210	-899	QAL	2.5	-1	9.9	1	1.5	1	0.265	-1	1.641	-1	6.845	-1	1856	57	0.6
2649.8	10000	38.6141	95.8210	-898	QAL	2.5	-1	9.9	1	1.5	1	0.246	-1	1.971	-1	7.427	-1	1854	46	0.6
2649.9	10000	38.6148	95.8210	-898	QAL	2.5	-1	9.9	1	1.5	1	0.267	-1	1.841	-1	7.491	-1	1872	42	0.6
2650.0	10000	38.6154	95.8210	-897	PW	2.5	-1	9.9	1	1.5	1	0.267	-1	1.900	-1	7.122	-1	1867	39	0.6

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2650.1	10000	38.6161	95.8210	-895	PW	2.8	0	9.2	-1	1.3	1	0.300	0	2.091	-1	6.965	-1	1879	47	0.6
2650.2	10000	38.6167	95.8210	-892	PW	2.8	0	9.1	-1	1.3	0	0.310	0	2.183	-1	7.046	-1	1887	51	0.6
2650.3	10000	38.6174	95.8210	-889	PW	2.7	-1	9.0	-1	1.3	0	0.303	0	2.106	-1	6.961	-1	1879	38	0.6
2650.4	10000	38.6180	95.8209	-889	PW	2.7	-1	9.2	-1	1.3	0	0.294	0	2.143	-1	7.296	-1	1855	57	0.6
2650.5	10000	38.6187	95.8209	-889	PW	2.6	-1	9.1	-1	1.3	1	0.289	0	2.011	-1	6.970	-1	1847	46	0.6
2650.6	10000	38.6194	95.8209	-889	PW	2.5	-1	8.6	-1	1.2	0	0.292	0	2.062	-1	7.066	-1	1824	39	0.6
2650.7	10000	38.6200	95.8209	-887	PW	2.6	-1	8.5	-1	1.2	0	0.306	0	2.223	0	7.261	-1	1810	49	0.6
2650.8	10000	38.6207	95.8209	-886	CULTRL	2.5	999	8.6	999	1.1	999	0.288	999	2.225	999	7.727	999	1788	49	0.6
2650.9	10000	38.6213	95.8209	-884	CULTRL	2.5	999	8.5	999	1.1	999	0.291	999	2.237	999	7.682	999	1766	56	0.6
2651.0	10000	38.6220	95.8209	-882	CULTRL	2.4	999	8.6	999	1.0	999	0.282	999	2.351	999	8.326	999	1740	49	0.6
2651.1	10000	38.6227	95.8209	-881	CULTRL	2.6	999	8.3	999	1.0	999	0.308	999	2.461	999	7.983	999	1751	45	0.6
2651.2	10000	38.6233	95.8209	-881	CULTRL	2.6	999	8.3	999	1.0	999	0.313	999	2.504	999	7.996	999	1770	53	0.6
2651.3	10000	38.6240	95.8209	-880	CULTRL	2.7	999	8.5	999	1.1	999	0.312	999	2.433	999	7.808	999	1774	61	0.6
2651.4	10000	38.6246	95.8209	-879	CULTRL	2.4	999	8.7	999	1.1	999	0.274	999	2.157	999	7.887	999	1782	39	0.6
2651.5	10000	38.6253	95.8209	-877	CULTRL	2.4	999	8.7	999	1.1	999	0.273	999	2.104	999	7.695	999	1787	48	0.6
2651.6	10000	38.6259	95.8209	-876	CULTRL	2.5	999	8.5	999	1.1	999	0.293	999	2.223	999	7.579	999	1797	41	0.6
2651.7	10000	38.6266	95.8209	-876	CULTRL	2.6	999	8.4	999	1.1	999	0.311	999	2.298	999	7.381	999	1809	53	0.6
2651.8	10000	38.6273	95.8209	-876	CULTRL	2.6	999	8.1	999	1.1	999	0.324	999	2.320	999	7.153	999	1787	49	0.6
2651.9	10000	38.6279	95.8209	-877	CULTRL	2.6	999	7.8	999	1.1	999	0.331	999	2.310	999	6.979	999	1743	54	0.6
2652.0	10000	38.6286	95.8209	-878	CULTRL	2.6	999	7.8	999	1.1	999	0.331	999	2.386	999	7.208	999	1718	50	0.6
2652.1	10000	38.6292	95.8209	-879	CULTRL	2.5	999	7.6	999	1.1	999	0.333	999	2.339	999	7.018	999	1706	40	0.6
2652.2	10000	38.6299	95.8209	-880	CULTRL	2.7	999	7.2	999	1.1	999	0.374	999	2.471	999	6.614	999	1673	52	0.6
2652.3	10000	38.6305	95.8209	-881	CULTRL	2.7	999	6.9	999	1.1	999	0.390	999	2.536	999	6.500	999	1645	44	0.6
2652.4	10000	38.6312	95.8209	-882	CULTRL	2.6	999	6.7	999	1.1	999	0.392	999	2.447	999	6.246	999	1622	46	0.6
2652.5	10000	38.6319	95.8209	-882	CULTRL	2.7	999	6.8	999	1.0	999	0.398	999	2.579	999	6.487	999	1623	49	0.6
2652.6	10000	38.6325	95.8209	-880	CULTRL	2.7	999	6.7	999	1.0	999	0.405	999	2.680	999	6.625	999	1613	50	0.6
2652.7	10000	38.6332	95.8209	-884	CULTRL	3.0	999	6.4	999	1.0	999	0.462	999	2.863	999	6.200	999	1606	53	0.6
2652.8	10000	38.6338	95.8209	-885	CULTRL	3.1	999	6.3	999	1.0	999	0.493	999	3.066	999	6.217	999	1599	46	0.6
2652.9	10000	38.6345	95.8209	-884	CULTRL	3.0	999	6.4	999	1.0	999	0.468	999	2.911	999	6.215	999	1611	48	0.6
2653.0	10000	38.6351	95.8208	-887	CULTRL	2.9	999	6.6	999	1.0	999	0.444	999	2.851	999	6.422	999	1628	42	0.6
2653.1	10000	38.6358	95.8208	-888	CULTRL	3.2	999	6.9	999	1.0	999	0.461	999	3.166	999	6.867	999	1649	59	0.6
2653.2	10000	38.6364	95.8208	-890	CULTRL	3.1	999	7.0	999	1.0	999	0.448	999	3.023	999	6.749	999	1653	42	0.6
2653.3	10000	38.6371	95.8208	-889	CULTRL	3.1	999	7.1	999	1.1	999	0.432	999	2.815	999	6.517	999	1668	53	0.6
2653.4	10000	38.6378	95.8208	-888	CULTRL	2.9	999	7.3	999	1.1	999	0.405	999	2.731	999	6.750	999	1690	52	0.6
2653.5	10000	38.6384	95.8208	-887	CULTRL	3.0	999	7.6	999	1.1	999	0.389	999	2.707	999	6.965	999	1686	47	0.6
2653.6	10000	38.6391	95.8208	-891	CULTRL	2.9	999	7.6	999	1.1	999	0.384	999	2.757	999	7.186	999	1693	41	0.6
2653.7	10000	38.6397	95.8208	-894	PW	2.9	0	7.9	-2	1.1	1	0.370	1	2.778	1	7.499	-1	1685	48	0.6
2653.8	10000	38.6404	95.8208	-897	PW	2.6	-1	7.5	-2	1.1	1	0.352	1	2.408	1	6.840	-1	1678	50	0.6
2653.9	10000	38.6410	95.8208	-898	PW	2.7	-1	7.5	-2	1.1	1	0.358	1	2.540	1	7.091	-1	1667	55	0.6
2654.0	10000	38.6417	95.8208	-892	PW	2.6	-1	7.6	-2	1.1	1	0.347	1	2.537	1	7.316	-1	1681	37	0.6
2654.1	10000	38.6424	95.8208	-892	PW	2.7	0	7.6	-2	1.1	1	0.361	1	2.680	1	7.427	-1	1695	56	0.6
2654.2	10000	38.6431	95.8208	-892	PW	2.6	-1	7.6	-2	1.1	1	0.347	1	2.547	1	7.338	-1	1721	52	0.6
2654.3	10000	38.6437	95.8209	-892	PW	2.6	-1	7.8	-2	1.1	1	0.333	1	2.464	1	7.398	-1	1730	50	0.6
2654.4	10000	38.6444	95.8209	-893	PW	2.5	-1	7.9	-2	1.1	1	0.310	1	2.431	1	7.196	-1	1743	47	0.6
2654.5	10000	38.6451	95.8209	-893	PW	2.5	-1	8.5	-1	1.1	1	0.289	0	2.306	1	7.978	0	1768	55	0.6
2654.6	10000	38.6458	95.8209	-893	PW	2.5	-1	8.8	-1	1.1	1	0.249	-1	1.996	0	8.005	1	1803	42	0.6
2654.7	10000	38.6464	95.8209	-893	PW	2.5	-1	9.0	-1	1.1	1	0.241	-1	1.996	-1	8.292	-2	1831	48	0.6
2654.8	10000	38.6471	95.8210	-893	PW	2.5	-1	9.5	-1	1.1	1	0.195	-2	1.704	-1	8.737	-1	1853	53	0.6
2654.9	10000	38.6478	95.8210	-892	PW	2.5	-1	10.3	-1	1.1	2	0.208	-2	1.868	-1	8.977	-1	1871	46	0.6
2655.0	10000	38.6484	95.8210	-892	PW	2.5	-1	10.4	-1	1.1	1	0.214	-2	1.881	-1	8.937	-1	1896	51	0.6
2655.1	10000	38.6491	95.8210	-890	PW	2.3	-2	10.5	-1	1.1	1	0.219	-2	1.980	-1	9.235	-1	1909	45	0.6
2655.2	10000	38.6498	95.8210	-890	PW	2.2	-2	10.0	-1	1.1	1	0.220	-2	1.965	-1	8.963	1	1878	40	0.6

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2655.3	10000	38.6505	95.8210	-888	PW	2.3	-1	9.5	0	1.1	-1	0.248	-1	2.069	-1	8.358	0	1852	41	0.6
2655.4	10000	38.6511	95.8211	-886	PW	2.5	-1	9.2	-1	1.1	-1	0.270	-1	2.230	0	8.252	0	1833	48	0.6
2655.5	10000	38.6518	95.8211	-885	PW	2.6	-1	8.5	-1	1.1	-1	0.306	0	2.280	0	7.441	-1	1807	37	0.6
2655.6	10000	38.6525	95.8211	-883	PW	2.5	-1	7.9	-2	1.1	-1	0.320	0	2.277	0	7.117	-1	1772	44	0.6
2655.7	10000	38.6532	95.8211	-880	PW	2.6	-1	7.6	-2	1.1	-1	0.346	1	2.381	0	6.879	-1	1755	50	0.6
2655.8	10000	38.6538	95.8211	-877	PW	2.8	0	7.6	-2	1.1	-1	0.371	1	2.606	0	7.018	-1	1744	53	0.6
2655.9	10000	38.6545	95.8211	-875	PW	2.9	0	7.8	-2	1.1	-1	0.373	1	2.605	0	6.989	-1	1775	48	0.6
2656.0	10000	38.6552	95.8212	-872	PW	2.9	0	8.2	-2	1.1	-1	0.350	1	2.563	0	7.329	-1	1796	44	0.6
2656.1	10000	38.6559	95.8212	-870	PW	2.9	0	8.0	-2	1.1	-1	0.362	1	2.589	0	7.148	-1	1793	54	0.6
2656.2	10000	38.6565	95.8212	-868	PW	3.1	0	8.3	-2	1.1	-1	0.374	1	2.812	1	7.521	-1	1813	50	0.6
2656.3	10000	38.6572	95.8212	-865	PW	3.3	1	8.4	-2	1.1	-1	0.387	2	2.878	1	7.429	-1	1856	52	0.6
2656.4	10000	38.6579	95.8212	-863	PW	3.2	0	8.8	-1	1.2	0	0.360	1	2.724	1	7.565	-1	1876	51	0.6
2656.5	10000	38.6586	95.8212	-862	PW	3.0	0	8.6	-1	1.2	0	0.353	1	2.477	0	7.007	-1	1911	59	0.6
2656.6	10000	38.6592	95.8213	-859	PW	2.8	0	8.6	-1	1.2	0	0.331	1	2.292	0	6.916	-1	1932	42	0.6
2656.7	10000	38.6599	95.8213	-858	PW	2.9	0	8.9	-1	1.2	0	0.330	1	2.350	0	7.119	-1	1951	52	0.6
2656.8	10000	38.6606	95.8213	-856	PW	2.9	0	9.1	-1	1.3	0	0.317	0	2.219	0	7.004	-1	1975	55	0.6
2656.9	10000	38.6613	95.8213	-854	PW	2.8	0	9.4	0	1.3	1	0.298	0	2.101	-1	7.050	-1	1996	43	0.6
2657.0	10000	38.6619	95.8213	-852	PW	2.6	-1	9.9	0	1.4	1	0.258	-1	1.880	-1	7.274	-1	2003	52	0.6
2657.1	10000	38.6626	95.8213	-851	PW	2.6	-1	10.0	0	1.4	1	0.258	-1	1.862	-1	7.214	-1	2039	61	0.6
2657.2	10000	38.6633	95.8214	-850	PW	2.7	0	10.1	0	1.4	1	0.272	-1	1.941	-1	7.125	-1	2069	52	0.6
2657.3	10000	38.6640	95.8214	-849	PW	3.0	0	10.3	0	1.4	1	0.287	0	2.065	-1	7.188	-1	2082	39	0.6
2657.4	10000	38.6646	95.8214	-848	PW	3.0	0	10.1	0	1.5	2	0.302	0	2.073	-1	6.862	-1	2105	46	0.6
2657.5	10000	38.6653	95.8214	-847	PW	3.3	1	9.9	0	1.4	1	0.338	1	2.324	0	6.876	-1	2135	46	0.6
2657.6	10000	38.6660	95.8214	-847	PW	3.4	1	9.7	0	1.4	1	0.353	1	2.423	0	6.863	-1	2149	51	0.6
2657.7	10000	38.6666	95.8214	-846	PW	3.6	1	9.6	0	1.4	1	0.378	2	2.540	0	6.720	-1	2170	55	0.6
2657.8	10000	38.6673	95.8215	-846	PW	3.5	1	9.6	0	1.5	1	0.366	1	2.410	0	6.579	-2	2163	45	0.6
2657.9	10000	38.6680	95.8215	-846	PW	3.2	1	9.5	0	1.4	1	0.327	1	2.289	0	7.002	-1	2139	39	0.7
2658.0	10000	38.6687	95.8215	-846	PW	3.2	1	9.4	0	1.4	1	0.333	1	2.313	0	6.956	-1	2152	48	0.7
2658.1	10000	38.6694	95.8215	-846	PW	3.0	1	9.3	0	1.4	1	0.307	0	2.156	-1	7.017	-1	2142	57	0.7
2658.2	10000	38.6700	95.8215	-846	PW	2.8	1	9.2	0	1.4	1	0.303	0	2.123	-1	7.012	-1	2107	58	0.7
2658.3	10000	38.6707	95.8215	-847	PW	2.6	1	9.1	0	1.4	1	0.285	0	1.982	-1	7.225	-1	2073	48	0.7
2658.4	10000	38.6714	95.8216	-847	PW	2.5	1	9.0	0	1.4	1	0.277	0	1.923	-1	7.455	-1	2032	55	0.7
2658.5	10000	38.6721	95.8216	-847	PW	2.4	1	8.9	0	1.4	1	0.270	0	1.864	-1	7.755	-1	2006	54	0.7
2658.6	10000	38.6727	95.8216	-847	PW	2.3	1	8.8	0	1.4	1	0.261	0	1.805	-1	7.512	-1	1997	51	0.7
2658.7	10000	38.6734	95.8216	-849	PW	2.2	1	8.7	0	1.4	1	0.253	0	1.746	-1	7.308	-1	1967	50	0.7
2658.8	10000	38.6741	95.8216	-849	PW	2.2	1	8.6	0	1.4	1	0.256	0	1.767	-1	6.969	-1	1948	57	0.7
2658.9	10000	38.6747	95.8216	-849	PW	2.2	1	8.5	0	1.4	1	0.259	0	1.788	-1	7.090	-1	1947	53	0.7
2659.0	10000	38.6754	95.8217	-850	PW	2.2	1	8.4	0	1.4	1	0.262	0	1.809	-1	7.744	-1	1931	53	0.7
2659.1	10000	38.6761	95.8217	-850	PW	2.2	1	8.3	0	1.4	1	0.265	0	1.830	-2	8.378	-2	1913	52	0.7
2659.2	10000	38.6768	95.8217	-849	PW	2.2	1	8.2	0	1.4	1	0.268	0	1.851	-2	8.282	-2	1890	52	0.7
2659.3	10000	38.6774	95.8217	-848	PW	2.2	1	8.1	0	1.4	1	0.271	0	1.872	-2	8.033	-2	1868	50	0.7
2659.4	10000	38.6781	95.8217	-847	PW	2.2	1	8.0	0	1.4	1	0.275	0	1.893	-2	7.845	-2	1849	39	0.7
2659.5	10000	38.6788	95.8217	-845	PW	2.2	1	7.9	0	1.4	1	0.278	0	1.914	-2	7.492	-2	1826	44	0.7
2659.6	10000	38.6795	95.8218	-847	PW	2.2	1	7.8	0	1.4	1	0.281	0	1.935	-1	7.167	-1	1807	54	0.7
2659.7	10000	38.6801	95.8218	-853	PW	2.2	1	7.7	0	1.4	1	0.284	0	1.956	-1	7.165	-1	1812	45	0.7
2659.8	10000	38.6808	95.8218	-851	PW	2.2	1	7.7	0	1.4	1	0.287	0	1.977	-1	7.170	-1	1813	38	0.7
2659.9	10000	38.6815	95.8218	-850	PW	2.2	1	7.6	0	1.4	1	0.290	0	1.998	-1	7.215	-1	1814	45	0.7
2660.0	10000	38.6822	95.8218	-849	PW	2.2	1	7.5	0	1.4	1	0.293	0	2.019	-1	7.441	-1	1823	47	0.7
2660.1	10000	38.6828	95.8219	-849	PW	2.2	1	7.5	0	1.4	1	0.296	0	2.040	-1	7.882	-1	1821	43	0.7
2660.2	10000	38.6835	95.8219	-849	PW	2.2	1	7.4	0	1.4	1	0.299	0	2.061	-1	7.880	-1	1828	38	0.7
2660.3	10000	38.6842	95.8219	-849	PW	2.2	1	7.4	0	1.4	1	0.302	0	2.082	-1	7.740	-1	1834	54	0.7
2660.4	10000	38.6849	95.8219	-849	PW	2.2	1	7.3	0	1.4	1	0.305	0	2.103	-1	7.043	-1	1838	47	0.7
2660.5	10000	38.6855	95.8220	-849	PW	2.2	1	7.3	0	1.4	1	0.308	0	2.124	-1	6.895	-1	1845	45	0.7
2660.6	10000	38.6862	95.8220	-849	PW	2.2	1	7.2	0	1.4	1	0.311	0	2.145	-1	6.852	-1	1850	46	0.7
2660.7	10000	38.6869	95.8220	-849	PW	2.2	1	7.2	0	1.4	1	0.314	0	2.166	-1	6.852	-1	1855	46	0.7
2660.8	10000	38.6876	95.8220	-849	PW	2.2	1	7.1	0	1.4	1	0.317	0	2.187	-1	6.852	-1	1860	46	0.7
2660.9	10000	38.6882	95.8221	-849	PW	2.2	1	7.1	0	1.4	1	0.320	0	2.208	-1	6.852	-1	1865	46	0.7
2661.0	10000	38.6889	95.8221	-849	PW	2.2	1	7.0	0	1.4	1	0.323	0	2.229	-1	6.852	-1	1870	46	0.7
2661.1	10000	38.6896	95.8221	-849	PW	2.2	1	7.0	0	1.4	1	0.326	0	2.250	-1	6.852	-1	1875	46	0.7
2661.2	10000	38.6903	95.8221	-849	PW	2.2	1	6.9	0	1.4	1	0.329	0	2.271	-1	6.852	-1	1880	46	0.7
2661.3	10000	38.6909	95.8222	-849	PW	2.2	1	6.9	0	1.4	1	0.332	0	2.292	-1	6.852	-1	1885	46	0.7
2661.4	10000	38.6916	95.8222	-849	PW	2.2	1	6.8	0	1.4	1	0.335	0	2.313	-1	6.852	-1	1890	46	0.7

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2660.5	10000	38.6855	95.8219	-849	PW	2.3	-1	9.0	-1	1.3	0	0.250	-1	1.781	-1	7.125	-1	1840	52	0.7
2660.6	10000	38.6862	95.8219	-850	PW	2.5	-1	8.7	-1	1.2	0	0.284	0	1.992	-1	7.005	-1	1833	41	0.7
2660.7	10000	38.6869	95.8219	-849	PW	2.5	-1	8.8	-1	1.2	0	0.283	0	2.134	-1	7.549	-1	1814	52	0.7
2660.8	10000	38.6876	95.8220	-850	PW	2.5	-1	9.2	-1	1.1	-1	0.277	-1	2.234	0	8.077	0	1805	43	0.7
2660.9	10000	38.6882	95.8220	-851	PW	2.5	-1	9.1	-1	1.0	-1	0.273	-1	2.389	0	8.745	1	1799	45	0.8
2661.0	10000	38.6889	95.8220	-851	PW	2.6	-1	9.2	-1	1.0	-1	0.287	0	2.519	0	8.778	1	1803	29	0.8
2661.1	10000	38.6896	95.8220	-851	PW	2.5	-1	8.5	-1	1.1	-1	0.293	0	2.320	0	7.919	0	1802	45	0.8
2661.2	10000	38.6902	95.8220	-852	PW	2.4	-1	8.7	-1	1.1	-1	0.280	0	2.268	0	8.115	0	1810	51	0.8
2661.3	10000	38.6909	95.8221	-853	PW	2.5	-1	9.0	-1	1.1	-1	0.275	-1	2.296	0	8.356	0	1832	45	0.8
2661.4	10000	38.6916	95.8221	-853	PW	2.4	-1	8.9	-1	1.1	-1	0.266	-1	2.109	-1	7.919	0	1857	47	0.8
2661.5	10000	38.6923	95.8221	-855	PW	2.3	-1	9.1	-1	1.2	0	0.253	-1	1.983	-1	7.848	0	1899	46	0.8
2661.6	10000	38.6930	95.8221	-856	PW	2.1	-2	9.5	0	1.2	0	0.217	-2	1.692	-2	7.785	0	1938	53	0.8
2661.7	10000	38.6936	95.8221	-857	PW	1.9	-2	9.4	0	1.2	0	0.207	-2	1.579	-2	7.644	-1	1991	42	0.8
2661.8	10000	38.6943	95.8221	-859	PW	2.1	-2	10.4	1	1.3	0	0.198	-2	1.619	-2	8.173	0	2039	56	0.8
2661.9	10000	38.6950	95.8221	-860	PW	2.2	-2	10.6	1	1.3	0	0.208	-2	1.707	-2	8.201	0	2083	48	0.8
2662.0	10000	38.6956	95.8222	-862	PW	2.3	-1	11.0	1	1.3	1	0.204	-2	1.687	-2	8.271	0	2128	66	0.8
2662.1	10000	38.6963	95.8222	-864	PW	2.3	-1	11.2	1	1.4	1	0.208	-2	1.666	-2	8.016	0	2160	40	0.8
2662.2	10000	38.6970	95.8222	-866	PW	2.4	-1	11.1	1	1.5	1	0.220	-2	1.679	-2	7.642	-1	2192	49	0.8
2662.3	10000	38.6977	95.8222	-867	PW	2.8	0	11.0	1	1.5	2	0.253	-1	1.847	-1	7.301	-1	2214	44	0.8
2662.4	10000	38.6983	95.8222	-869	PW	2.8	0	11.2	1	1.5	2	0.252	-1	1.861	-1	7.388	-1	2206	60	0.8
2662.5	10000	38.6990	95.8223	-870	PW	2.8	0	10.5	1	1.5	2	0.263	-1	1.844	-1	7.009	-1	2195	52	0.8
2662.6	10000	38.6997	95.8223	-871	PW	3.2	0	10.4	1	1.5	2	0.305	0	2.070	-1	6.793	-1	2191	37	0.8
2662.7	10000	38.7004	95.8223	-871	PW	3.0	0	10.1	0	1.5	2	0.294	0	1.978	-1	6.720	-1	2177	41	0.8
2662.8	10000	38.7010	95.8223	-871	PW	2.8	0	10.4	1	1.5	2	0.273	-1	1.933	-1	7.091	-1	2152	53	0.8
2662.9	10000	38.7017	95.8223	-870	PW	2.6	-1	10.6	1	1.4	1	0.251	-1	1.875	-1	7.483	-1	2110	57	0.8
2663.0	10000	38.7024	95.8223	-869	PW	2.5	-1	10.6	1	1.4	1	0.238	-1	1.810	-1	7.589	-1	2082	65	0.8
2663.1	10000	38.7031	95.8224	-867	PW	2.6	-1	10.3	1	1.4	1	0.264	-1	1.888	-1	7.143	-1	2046	52	0.8
2663.2	10000	38.7037	95.8224	-866	PW	2.5	-1	10.3	1	1.4	1	0.242	-1	1.813	-1	7.489	-1	2027	59	0.8
2663.3	10000	38.7044	95.8224	-864	QAL	2.0	-2	10.3	1	1.3	1	0.197	-2	1.493	-2	7.579	0	2002	47	0.9
2663.4	10000	38.7051	95.8224	-861	QAL	1.9	-2	10.1	1	1.4	1	0.184	-2	1.397	-2	7.584	0	1974	42	0.9
2663.5	10000	38.7058	95.8224	-859	QAL	1.8	-2	9.8	1	1.4	1	0.183	-2	1.289	-2	7.040	-1	1976	44	0.9
2663.6	10000	38.7064	95.8224	-858	QAL	1.9	-2	9.8	1	1.4	1	0.206	-2	1.356	-2	6.573	-1	1977	47	0.9
2663.7	10000	38.7071	95.8224	-856	QAL	1.8	-2	9.7	1	1.4	1	0.209	-2	1.300	-2	6.219	-1	1970	40	0.9
2663.8	10000	38.7078	95.8225	-854	QAL	1.8	-2	9.7	1	1.4	1	0.214	-2	1.257	-2	6.024	-1	1973	54	0.9
2663.9	10000	38.7085	95.8225	-851	QAL	1.8	-2	9.8	1	1.4	1	0.227	-2	1.190	-2	5.569	-1	1975	65	0.9
2664.0	10000	38.7091	95.8225	-849	QAL	1.8	-2	9.8	1	1.4	1	0.227	-2	1.262	-2	5.566	-1	1979	47	0.9
2664.1	10000	38.7098	95.8225	-847	QAL	1.8	-2	9.8	1	1.4	1	0.232	-2	1.236	-2	5.443	-1	1961	53	0.9
2664.2	10000	38.7105	95.8225	-844	QAL	1.8	-2	9.8	1	1.4	1	0.225	-2	1.273	-2	5.496	-1	1940	53	0.9
2664.3	10000	38.7112	95.8226	-842	QAL	1.8	-2	9.8	1	1.4	1	0.225	-2	1.308	-2	5.017	-1	1917	43	0.9
2664.4	10000	38.7118	95.8226	-839	QAL	1.8	-2	9.8	1	1.4	1	0.198	-2	1.297	-2	6.622	-1	1907	43	0.9
2664.5	10000	38.7125	95.8226	-835	QAL	1.8	-2	9.8	1	1.4	1	0.191	-2	1.568	-2	8.217	-1	1903	40	0.9
2664.6	10000	38.7132	95.8226	-832	QAL	1.8	-2	9.8	1	1.4	1	0.185	-2	1.594	-2	8.604	-1	1890	29	0.9
2664.7	10000	38.7139	95.8226	-830	QAL	1.8	-2	9.8	1	1.4	1	0.206	-2	1.859	-2	9.012	-1	1889	56	0.9
2664.8	10000	38.7145	95.8226	-827	QAL	1.8	-2	9.8	1	1.4	1	0.226	-2	2.078	-2	9.213	-1	1900	50	0.9
2664.9	10000	38.7152	95.8227	-824	QAL	1.8	-2	9.8	1	1.4	1	0.242	-2	2.230	-2	9.217	-1	1938	48	0.9
2665.0	10000	38.7159	95.8227	-821	QAL	1.8	-2	9.8	1	1.4	1	0.241	-2	2.206	-2	9.377	-1	1963	38	0.9
2665.1	10000	38.7166	95.8227	-819	QAL	1.8	-2	9.8	1	1.4	1	0.247	-2	2.257	-2	9.824	-1	1974	47	0.9
2665.2	10000	38.7172	95.8227	-817	QAL	1.8	-2	9.8	1	1.4	1	0.247	-2	2.257	-2	9.824	-1	1994	50	0.9
2665.3	10000	38.7179	95.8227	-815	QAL	1.8	-2	9.8	1	1.4	1	0.247	-2	2.257	-2	9.824	-1	2003	47	0.9
2665.4	10000	38.7186	95.8228	-813	QAL	1.8	-2	9.8	1	1.4	1	0.247	-2	2.257	-2	9.824	-1	2009	45	0.9
2665.5	10000	38.7192	95.8228	-811	QAL	1.8	-2	9.8	1	1.4	1	0.247	-2	2.257	-2	9.824	-1	2031	46	0.9
2665.6	10000	38.7199	95.8228	-809	QAL	1.8	-2	9.8	1	1.4	1	0.247	-2	2.257	-2	9.824	-1	2008	44	0.9

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2665.7	10000	38.7206	95.8228	-808	PW	1.8	-2	10.9	1	1.4	1	0.168	-3	1.308	-2	7.785	0	2008	48	0.9
2665.8	10000	38.7213	95.8228	-807	PW	2.0	-2	11.2	1	1.4	1	0.183	-2	1.461	-2	8.005	0	2007	46	0.9
2665.9	10000	38.7219	95.8228	-807	PW	2.5	-1	10.5	1	1.3	1	0.234	-1	1.862	-1	7.961	0	1997	50	0.9
2666.0	10000	38.7226	95.8228	-807	PW	2.4	-1	10.2	0	1.3	1	0.233	-1	1.801	-1	7.721	0	1985	39	0.9
2666.1	10000	38.7233	95.8229	-806	PW	2.5	-1	10.4	1	1.3	0	0.239	-1	1.896	-1	7.941	0	1977	47	0.9
2666.2	10000	38.7240	95.8229	-804	PW	2.6	-1	10.9	1	1.3	1	0.236	-1	1.978	-1	8.377	0	1971	40	0.9
2666.3	10000	38.7246	95.8229	-804	PW	2.7	-1	10.8	1	1.3	0	0.247	-1	2.033	-1	8.219	0	1979	51	0.9
2666.4	10000	38.7253	95.8229	-807	PW	2.9	0	10.4	1	1.4	1	0.276	-1	2.100	-1	7.615	-1	1992	46	0.9
2666.5	10000	38.7260	95.8229	-808	PW	2.8	0	10.4	1	1.4	1	0.269	-1	2.017	-1	7.497	-1	2007	61	0.9
2666.6	10000	38.7266	95.8229	-808	PW	2.6	-1	10.5	1	1.4	1	0.244	-1	1.767	-1	7.228	-1	2011	57	0.9
2666.7	10000	38.7273	95.8230	-809	PW	2.8	0	10.8	1	1.4	1	0.257	-1	1.984	-1	7.717	0	2023	56	0.9
2666.8	10000	38.7279	95.8230	-809	PW	2.8	0	10.5	1	1.4	1	0.267	-1	2.052	-1	7.682	0	2036	53	0.9
2666.9	10000	38.7286	95.8230	-808	PW	2.6	-1	10.0	1	1.4	1	0.264	-1	1.950	-1	7.394	-1	2027	52	0.9
2667.0	10000	38.7292	95.8230	-809	PW	2.6	-1	10.0	1	1.3	1	0.254	-1	1.907	-1	7.503	-1	2030	49	0.9
2667.1	10000	38.7299	95.8230	-809	PW	2.4	-1	10.1	0	1.3	1	0.240	-1	1.882	-1	7.835	0	2000	46	0.9
2667.2	10000	38.7305	95.8230	-809	PW	2.4	-1	9.6	0	1.3	1	0.246	-1	1.854	-1	7.542	-1	1970	42	0.9
2667.3	10000	38.7312	95.8230	-809	PW	2.5	-1	9.7	0	1.3	1	0.258	-1	1.971	-1	7.654	-1	1954	47	0.9
2667.4	10000	38.7318	95.8230	-810	PW	2.3	-1	9.2	-1	1.3	1	0.253	-1	1.780	-1	7.049	-1	1947	56	0.9
2667.5	10000	38.7325	95.8231	-810	QAL	2.3	-2	9.3	0	1.3	0	0.244	-1	1.744	-1	7.153	0	1927	41	0.9
2667.6	10000	38.7332	95.8231	-811	QAL	2.2	-2	9.1	0	1.3	0	0.247	-1	1.718	-1	7.954	0	1915	43	0.9
2667.7	10000	38.7338	95.8231	-810	QAL	2.1	-2	8.9	0	1.4	0	0.238	-1	1.569	-1	7.585	-1	1884	40	0.9
2667.8	10000	38.7345	95.8231	-811	QAL	2.0	-2	9.0	0	1.4	0	0.220	-2	1.457	-2	6.631	-1	1876	38	0.9
2667.9	10000	38.7351	95.8231	-812	QAL	2.0	-2	9.0	0	1.3	0	0.219	-2	1.467	-2	6.698	-1	1856	44	0.8
2668.0	10000	38.7358	95.8231	-811	QAL	1.9	-2	8.8	0	1.3	0	0.212	-2	1.392	-2	6.552	-1	1845	42	0.8
2668.1	10000	38.7364	95.8232	-812	QAL	2.2	-2	8.8	0	1.3	0	0.244	-1	1.696	-1	6.941	0	1825	40	0.8
2668.2	10000	38.7371	95.8232	-813	QAL	2.4	-1	8.6	0	1.2	0	0.280	-1	2.049	-1	7.311	0	1812	61	0.8
2668.3	10000	38.7377	95.8232	-813	QAL	2.8	-1	8.7	-1	1.2	0	0.316	0	2.329	0	7.360	0	1804	61	0.8
2668.4	10000	38.7384	95.8232	-814	QAL	2.8	-1	8.4	-1	1.1	0	0.334	0	2.438	0	7.299	0	1815	51	0.8
2668.5	10000	38.7391	95.8232	-814	QAL	3.2	0	8.2	-1	1.2	1	0.391	1	2.764	0	7.067	0	1821	42	0.8
2668.6	10000	38.7397	95.8232	-815	QAL	3.2	0	8.0	-1	1.1	1	0.395	1	2.776	0	7.024	0	1839	42	0.8
2668.7	10000	38.7404	95.8232	-816	QAL	3.2	0	8.0	-1	1.1	1	0.402	1	2.930	0	7.298	0	1833	46	0.8
2668.8	10000	38.7410	95.8232	-816	QAL	3.0	0	8.0	-1	1.1	1	0.382	0	2.589	0	6.773	-1	1831	44	0.8
2668.9	10000	38.7417	95.8233	-818	QAL	2.9	0	8.0	-1	1.1	0	0.368	0	2.357	0	6.413	-1	1826	43	0.8
2669.0	10000	38.7423	95.8233	-818	QAL	2.6	-1	7.8	-1	1.1	0	0.327	0	2.055	-1	6.276	-1	1821	45	0.8
2669.1	10000	38.7430	95.8233	-819	QAL	2.5	-1	7.9	-1	1.1	0	0.320	0	1.995	-1	6.228	-1	1811	46	0.8
2669.2	10000	38.7436	95.8233	-820	QAL	2.3	-1	7.9	-1	1.1	0	0.290	-1	1.801	-1	6.221	-1	1815	47	0.8
2669.3	10000	38.7443	95.8233	-821	QAL	2.1	-1	7.9	-1	1.1	0	0.269	-1	1.638	-1	6.094	-1	1799	37	0.8
2669.4	10000	38.7449	95.8233	-824	QAL	2.0	-1	7.8	-1	1.1	0	0.256	-1	1.534	-2	5.992	-1	1794	63	0.8
2669.5	10000	38.7456	95.8233	-828	QAL	2.0	-1	7.8	-1	1.1	0	0.260	-1	1.593	-2	6.133	-1	1793	48	0.8
2669.6	10000	38.7463	95.8233	-831	QAL	2.0	-1	7.8	-1	1.1	0	0.248	-1	1.520	-2	6.139	-1	1798	47	0.7
2669.7	10000	38.7469	95.8234	-833	QAL	2.0	-1	7.8	-1	1.1	0	0.269	-1	1.641	-1	6.096	-1	1799	51	0.7
2669.8	10000	38.7476	95.8234	-834	QAL	2.0	-1	7.8	-1	1.1	0	0.311	-1	1.985	-1	6.378	-1	1801	57	0.7
2669.9	10000	38.7482	95.8234	-836	QAL	2.0	-1	7.8	-1	1.1	0	0.303	-1	1.945	-1	6.429	-1	1791	45	0.7
2670.0	10000	38.7489	95.8234	-837	QAL	2.0	-1	7.8	-1	1.1	0	0.334	0	2.263	-1	6.766	-1	1803	49	0.7
2670.1	10000	38.7495	95.8234	-839	QAL	2.0	-1	7.8	-1	1.1	0	0.336	0	2.346	-1	6.992	-1	1805	49	0.7
2670.2	10000	38.7502	95.8234	-841	QAL	2.0	-1	7.8	-1	1.1	0	0.332	0	2.392	-1	7.212	-1	1826	46	0.7
2670.3	10000	38.7508	95.8235	-841	PW	2.0	-1	7.8	-1	1.1	0	0.327	0	2.380	-1	7.268	-1	1841	49	0.7
2670.4	10000	38.7515	95.8235	-842	PW	2.0	-1	7.8	-1	1.1	0	0.313	0	2.466	-1	7.874	-1	1858	48	0.7
2670.5	10000	38.7522	95.8235	-844	PW	2.0	-1	7.8	-1	1.1	0	0.293	0	2.154	-1	7.347	-1	1873	44	0.7
2670.6	10000	38.7528	95.8235	-847	PW	2.0	-1	7.8	-1	1.1	0	0.296	0	2.258	-1	7.666	-1	1899	63	0.7
2670.7	10000	38.7535	95.8235	-850	PW	2.0	-1	7.8	-1	1.1	0	0.295	0	2.269	-1	7.653	-1	1919	48	0.7
2670.8	10000	38.7541	95.8235	-854	PW	2.7	-1	9.1	-1	1.2	0	0.295	0	2.220	-1	7.517	-1	1949	55	0.7

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
2670.9	10000	38.7548	95.8235	-853	PW	2.7	0	8.9	-1	1.2	0	0.308	0	2.261	0	7.351	-1	1957	43	0.7
2671.0	10000	38.7554	95.8235	-851	PW	2.6	-1	8.6	-1	1.2	0	0.307	0	2.144	-1	6.992	-1	1965	40	0.7
2671.1	10000	38.7561	95.8236	-851	PW	2.6	-1	8.6	-1	1.3	0	0.304	0	2.048	-1	6.747	-1	1978	51	0.7
2671.2	10000	38.7567	95.8236	-850	PW	2.5	-1	9.1	-1	1.3	1	0.269	-1	1.877	-1	6.973	-1	1994	39	0.7
2671.3	10000	38.7574	95.8236	-851	PW	2.5	-1	9.0	-1	1.3	1	0.280	0	1.881	-1	6.711	-1	1989	43	0.7
2671.4	10000	38.7580	95.8236	-852	PW	2.3	-1	9.4	-1	1.4	1	0.250	-1	1.730	-2	6.919	-1	1992	54	0.6
2671.5	10000	38.7587	95.8236	-852	PW	2.3	-1	9.6	0	1.3	1	0.243	-1	1.754	-1	7.215	-1	2001	46	0.6
2671.6	10000	38.7594	95.8236	-853	PW	2.6	-1	9.7	0	1.3	1	0.267	-1	1.957	-1	7.326	-1	2006	49	0.6
2671.7	10000	38.7600	95.8236	-853	PW	2.8	0	9.7	0	1.3	1	0.290	0	2.207	-1	7.612	-1	1999	47	0.6
2671.8	10000	38.7607	95.8237	-854	PW	2.9	0	9.5	0	1.3	0	0.310	0	2.286	0	7.370	-1	1993	41	0.6
2671.9	10000	38.7613	95.8237	-855	PW	3.2	1	9.4	0	1.2	0	0.345	1	2.642	0	7.665	0	1970	47	0.6
2672.0	10000	38.7620	95.8237	-856	PW	3.0	0	9.2	-1	1.2	0	0.326	0	2.509	0	7.692	0	1959	45	0.6
2672.1	10000	38.7626	95.8237	-857	PW	2.8	0	8.9	-1	1.2	0	0.317	0	2.281	0	7.204	-1	1934	40	0.6
2672.2	10000	38.7633	95.8237	-858	PW	2.7	-1	8.6	-1	1.3	0	0.315	0	2.091	-1	6.635	-2	1904	49	0.6
2672.3	10000	38.7639	95.8237	-859	PW	2.4	-1	8.2	-2	1.3	1	0.293	0	1.845	-1	6.293	-2	1885	48	0.6
2672.4	10000	38.7646	95.8237	-860	PW	2.3	-1	8.1	-2	1.3	0	0.284	0	1.795	-1	6.316	-2	1862	39	0.6
2672.5	10000	38.7653	95.8238	-862	PW	2.2	-2	8.2	-2	1.3	0	0.271	-1	1.718	-2	6.346	-2	1864	52	0.6
2672.6	10000	38.7659	95.8238	-863	PW	2.0	-2	8.4	-2	1.2	0	0.239	-1	1.633	-2	6.847	-1	1860	44	0.6
2672.7	10000	38.7666	95.8238	-865	PW	2.0	-2	8.8	-1	1.2	0	0.233	-1	1.677	-2	7.203	-1	1863	54	0.6
2672.8	10000	38.7672	95.8238	-866	PW	2.2	-2	8.9	-1	1.2	0	0.252	-1	1.908	-1	7.561	-1	1883	45	0.6
2672.9	10000	38.7679	95.8238	-868	PW	2.5	-1	9.1	-1	1.1	-1	0.281	0	2.247	0	8.009	0	1912	50	0.6
2673.0	10000	38.7685	95.8238	-869	PW	2.7	-1	9.9	0	1.1	-1	0.274	-1	2.404	0	8.762	1	1950	56	0.6
2673.1	10000	38.7692	95.8238	-870	PW	2.7	-1	10.1	0	1.2	0	0.267	-1	2.313	0	8.660	1	2002	50	0.6
2673.2	10000	38.7698	95.8239	-873	PW	2.8	0	10.5	1	1.2	1	0.269	-1	2.356	0	8.772	1	2036	51	0.6
2673.3	10000	38.7705	95.8239	-875	PW	2.9	0	10.3	0	1.3	1	0.285	0	2.236	0	7.846	0	2080	49	0.6
2673.4	10000	38.7711	95.8239	-877	PW	3.2	0	10.5	1	1.3	1	0.301	0	2.364	0	7.842	0	2111	40	0.6
2673.5	10000	38.7718	95.8239	-879	PW	3.2	1	10.7	1	1.4	1	0.300	0	2.353	0	7.841	0	2139	44	0.6
2673.6	10000	38.7725	95.8239	-881	PW	3.2	0	10.7	1	1.4	1	0.297	0	2.307	0	7.767	0	2161	52	0.6
2673.7	10000	38.7731	95.8239	-883	PW	3.0	0	10.6	1	1.4	1	0.284	0	2.184	-1	7.702	0	2144	47	0.6
2673.8	10000	38.7738	95.8239	-885	PW	2.9	0	10.4	1	1.4	1	0.282	0	2.162	-1	7.667	0	2122	41	0.6
2673.9	10000	38.7744	95.8239	-887	PW	2.8	0	10.3	1	1.4	1	0.283	0	2.142	-1	7.567	-1	2089	36	0.6
2674.0	10000	38.7751	95.8240	-889	PW	2.9	0	10.4	1	1.4	1	0.278	0	2.190	-1	7.884	0	2060	44	0.6
2674.1	10000	38.7757	95.8240	-890	PW	2.9	0	10.2	1	1.4	1	0.310	0	2.260	0	7.300	-1	2034	47	0.6
2674.2	10000	38.7764	95.8240	-891	PW	2.8	0	10.0	1	1.3	1	0.309	0	2.191	-1	7.091	-1	1994	42	0.6
2674.3	10000	38.7770	95.8240	-892	PW	2.5	-1	9.9	1	1.3	1	0.268	-1	1.935	-1	7.209	-1	1945	53	0.6
2674.4	10000	38.7777	95.8240	-895	PW	2.5	-1	9.9	1	1.3	1	0.271	-1	1.932	-1	7.136	-1	1904	57	0.6
2674.5	10000	38.7784	95.8240	-898	PW	2.5	-1	9.9	1	1.3	1	0.261	-1	1.918	-1	7.357	-1	1872	58	0.6
2674.6	10000	38.7790	95.8241	-900	PW	2.5	-1	9.9	1	1.3	1	0.263	-1	2.006	-1	7.631	-1	1854	51	0.6
2674.7	10000	38.7797	95.8241	-901	PW	2.5	-1	9.9	1	1.3	1	0.246	-1	1.943	-1	7.901	0	1822	42	0.6
2674.8	10000	38.7803	95.8241	-903	PW	2.5	-1	9.9	1	1.3	1	0.230	-1	1.966	-1	8.554	1	1801	50	0.6
2674.9	10000	38.7810	95.8241	-904	PW	2.5	-1	9.9	1	1.3	1	0.249	-1	2.211	-1	8.881	1	1781	44	0.6
2675.0	10000	38.7816	95.8241	-905	PW	2.5	-1	9.9	1	1.3	1	0.285	-1	2.556	0	8.960	1	1775	56	0.6
2675.1	10000	38.7823	95.8241	-906	PW	2.5	-1	9.9	1	1.3	1	0.297	-1	2.631	0	8.857	1	1774	34	0.6
2675.2	10000	38.7829	95.8241	-907	PW	2.5	-1	9.9	1	1.3	1	0.294	-1	2.588	0	8.801	1	1761	43	0.6
2675.3	10000	38.7836	95.8241	-908	PW	2.5	-1	9.9	1	1.3	1	0.279	-1	2.436	0	8.735	1	1756	43	0.6
2675.4	10000	38.7842	95.8242	-910	PW	2.5	-1	9.9	1	1.3	1	0.262	-1	2.409	0	8.180	1	1761	52	0.6
2675.5	10000	38.7848	95.8242	-911	PW	2.5	-1	9.9	1	1.3	1	0.259	-1	2.329	0	8.994	1	1763	50	0.6
2675.6	10000	38.7854	95.8242	-912	PW	2.5	-1	9.9	1	1.3	1	0.226	-2	2.032	-1	8.974	1	1774	49	0.6
2675.7	10000	38.7860	95.8242	-913	PW	2.5	-1	9.9	1	1.3	1	0.198	-2	1.755	-1	8.856	1	1780	57	0.6
2675.8	10000	38.7866	95.8243	-914	PW	2.5	-1	9.9	1	1.3	1	0.172	-2	1.569	-2	9.102	1	1799	43	0.6
2675.9	10000	38.7872	95.8243	-914	PW	2.5	-1	9.9	1	1.3	1	0.168	-2	1.517	-2	9.042	1	1834	45	0.6
2676.0	10000	38.7878	95.8243	-914	PW	1.8	-2	10.1	0	1.1	-1	0.177	-3	1.598	-2	9.052	1	1855	49	0.6

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2676.1	10000	38.7884	95.8243	-915	PW	2.1	-2	10.0	0	1.2	0	0.206	-2	1.724	-2	8.355	0	1897	43	0.6
2676.2	10000	38.7890	95.8243	-915	PW	2.0	-2	10.6	1	1.2	0	0.191	-2	1.626	-2	8.533	0	1930	38	0.6
2676.3	10000	38.7896	95.8244	-915	PW	2.2	-2	10.6	1	1.2	0	0.208	-2	1.772	-1	8.503	0	1963	51	0.6
2676.4	10000	38.7902	95.8244	-916	PW	2.3	-1	10.4	1	1.3	0	0.218	-2	1.756	-1	8.057	0	2010	41	0.6
2676.5	10000	38.7908	95.8244	-917	PW	2.4	-1	10.4	1	1.3	1	0.233	-1	1.859	-1	7.980	0	2033	55	0.6
2676.6	10000	38.7915	95.8244	-918	PW	2.5	-1	10.7	1	1.3	1	0.236	-1	1.922	-1	8.136	0	2064	37	0.6
2676.7	10000	38.7921	95.8244	-918	PW	2.7	-1	10.5	1	1.3	1	0.253	-1	1.985	-1	7.852	0	2082	55	0.6
2676.8	10000	38.7926	95.8245	-919	PW	2.6	-1	10.5	1	1.3	1	0.252	-1	2.023	-1	8.027	0	2079	53	0.6
2676.9	10000	38.7933	95.8245	-920	PW	2.7	-1	10.1	0	1.3	0	0.264	-1	2.065	-1	7.828	0	2073	37	0.6
2677.0	10000	38.7939	95.8245	-920	PW	2.6	-1	10.2	1	1.3	0	0.251	-1	1.951	-1	7.772	0	2048	33	0.6
2677.1	10000	38.7945	95.8245	-921	PW	2.6	-1	10.0	0	1.2	0	0.261	-1	2.104	-1	8.072	0	2011	52	0.6
2677.2	10000	38.7951	95.8246	-922	PW	2.5	-1	9.6	0	1.2	0	0.263	-1	2.039	-1	7.766	0	1988	39	0.6
2677.3	10000	38.7957	95.8246	-922	PW	2.7	-1	9.3	-1	1.2	0	0.290	0	2.275	0	7.849	0	1939	46	0.7
2677.4	10000	38.7963	95.8246	-922	PW	2.3	-1	9.3	-1	1.1	-1	0.268	-1	2.168	-1	8.092	0	1907	51	0.7
2677.5	10000	38.7969	95.8246	-923	PW	2.3	-1	8.9	-1	1.1	-1	0.256	-1	2.013	-1	7.861	0	1869	37	0.7
2677.6	10000	38.7975	95.8246	-924	PW	2.2	-2	8.8	-1	1.1	-1	0.248	-1	1.965	-1	7.931	0	1826	50	0.7
2677.7	10000	38.7981	95.8247	-924	PW	2.2	-2	8.6	-1	1.1	-1	0.257	-1	1.988	-1	7.724	0	1817	40	0.7
2677.8	10000	38.7987	95.8247	-925	PW	2.1	-2	8.8	-1	1.1	-1	0.235	-1	1.822	-1	7.753	0	1806	44	0.7
2677.9	10000	38.7993	95.8247	-925	PW	2.0	-2	9.0	-1	1.1	-1	0.217	-2	1.722	-2	7.918	0	1794	39	0.7
2678.0	10000	38.7999	95.8247	-925	PW	1.7	-3	9.0	-1	1.1	-1	0.189	-2	1.501	-2	7.956	0	1793	58	0.7
2678.1	10000	38.8005	95.8248	-926	PW	1.8	-3	9.4	-1	1.1	-1	0.188	-2	1.546	-2	8.205	0	1813	68	0.7
2678.2	10000	38.8011	95.8248	-926	PW	2.0	-2	9.6	0	1.2	0	0.205	-2	1.659	-2	8.077	0	1838	44	0.7
2678.3	10000	38.8017	95.8248	-927	PW	2.0	-2	9.5	0	1.2	0	0.211	-2	1.680	-2	7.980	0	1881	41	0.7
2678.4	10000	38.8023	95.8248	-928	PW	2.0	-2	10.0	0	1.1	0	0.204	-2	1.775	-1	8.715	1	1904	49	0.7
2678.5	10000	38.8029	95.8248	-928	PW	2.2	-2	10.0	-1	1.1	-1	0.215	-2	1.892	-1	8.781	1	1932	55	0.7
2678.6	10000	38.8035	95.8249	-928	PW	2.3	-1	10.5	-1	1.1	-1	0.217	-2	1.989	-1	9.171	1	1955	57	0.7
2678.7	10000	38.8041	95.8249	-929	PW	2.5	-1	10.5	1	1.2	0	0.237	-1	2.145	-1	9.035	1	1986	45	0.7
2678.8	10000	38.8047	95.8249	-929	PW	2.4	-1	10.4	1	1.2	0	0.234	-1	2.071	-1	8.846	1	1977	52	0.7
2678.9	10000	38.8054	95.8249	-930	PW	2.4	-1	10.6	1	1.1	-1	0.224	-2	2.136	-1	9.541	1	1972	51	0.7
2679.0	10000	38.8059	95.8250	-930	PP	2.5	-1	10.1	1	1.1	-1	0.234	-1	2.206	-1	9.420	1	1956	53	0.7
2679.1	10000	38.8065	95.8250	-931	PP	2.5	-1	10.0	0	1.1	-1	0.249	-1	2.190	-1	9.802	1	1951	51	0.7
2679.2	10000	38.8072	95.8250	-932	PP	2.5	-1	10.0	0	1.1	-1	0.241	-1	2.199	-1	9.126	1	1925	57	0.7
2679.3	10000	38.8078	95.8250	-933	PP	2.4	-1	10.0	0	1.1	-1	0.256	-1	2.282	-1	9.927	1	1904	57	0.7
2679.4	10000	38.8084	95.8251	-934	PP	2.5	-1	10.1	1	1.1	-1	0.224	-2	2.043	-1	9.127	1	1877	46	0.7
2679.5	10000	38.8090	95.8251	-935	PP	2.5	-1	9.9	1	1.1	-1	0.207	-2	1.843	-1	8.927	1	1858	57	0.7
2679.6	10000	38.8096	95.8251	-936	PP	2.5	-1	9.9	1	1.1	-1	0.201	-2	1.703	-1	8.450	1	1838	61	0.7
2679.7	10000	38.8102	95.8251	-936	PP	2.5	-1	9.9	1	1.1	-1	0.196	-2	1.603	-1	8.995	1	1810	43	0.7
2679.8	10000	38.8108	95.8251	-937	PP	2.5	-1	9.9	1	1.1	-1	0.223	-2	1.563	-1	8.953	1	1783	46	0.7
2679.9	10000	38.8114	95.8252	-938	PP	2.5	-1	9.9	1	1.1	-1	0.227	-2	1.578	-1	8.515	1	1793	46	0.7
2680.0	10000	38.8120	95.8252	-939	PP	2.5	-1	9.9	1	1.1	-1	0.227	-2	1.608	-1	8.218	1	1805	53	0.7
2680.1	10000	38.8126	95.8252	-940	PP	2.5	-1	9.9	1	1.1	-1	0.227	-2	1.686	-1	8.378	1	1813	47	0.7
2680.2	10000	38.8132	95.8252	-941	PP	2.5	-1	9.9	1	1.1	-1	0.227	-2	1.702	-1	8.468	1	1842	48	0.7
2680.3	10000	38.8138	95.8253	-942	PP	2.5	-1	9.9	1	1.1	-1	0.227	-2	1.737	-1	8.610	1	1871	51	0.7
2680.4	10000	38.8144	95.8253	-943	PP	2.5	-1	9.9	1	1.1	-1	0.227	-2	1.737	-1	8.688	1	1902	49	0.7
2680.5	10000	38.8150	95.8253	-944	PP	2.5	-1	9.9	1	1.1	-1	0.227	-2	1.737	-1	8.614	1	1940	50	0.7
2680.6	10000	38.8156	95.8253	-944	PP	2.5	-1	9.9	1	1.1	-1	0.227	-2	1.737	-1	8.616	1	1940	58	0.7
2680.7	10000	38.8162	95.8253	-945	PP	2.5	-1	9.9	1	1.1	-1	0.227	-2	1.737	-1	8.647	1	1946	47	0.7
2680.8	10000	38.8168	95.8254	-946	PP	2.5	-1	9.9	1	1.1	-1	0.227	-2	1.737	-1	8.298	1	1945	52	0.7
2680.9	10000	38.8174	95.8254	-947	PP	2.5	-1	9.9	1	1.1	-1	0.227	-2	1.737	-1	8.788	1	1932	53	0.7
2681.0	10000	38.8180	95.8254	-948	PP	2.5	-1	9.9	1	1.1	-1	0.227	-2	1.737	-1	8.804	1	1924	52	0.7
2681.1	10000	38.8186	95.8254	-949	PP	2.5	-1	9.9	1	1.1	-1	0.227	-2	1.737	-1	8.885	1	1928	53	0.7
2681.2	10000	38.8192	95.8254	-950	PP	2.5	-1	9.9	1	1.1	-1	0.227	-2	1.737	-1	8.195	1	1916	37	0.7

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2681.3	10000	38.8198	95.8255	-950	PW	1.9	-2	9.9	0	1.2	0	0.188	-2	1.528	-2	8.137	0	1915	51	0.8
2681.4	10000	38.8205	95.8255	-951	PW	1.7	-3	10.5	1	1.2	0	0.157	-3	1.342	-2	8.535	0	1922	65	0.8
2681.5	10000	38.8211	95.8255	-951	PW	1.7	-3	10.5	1	1.2	0	0.166	-3	1.407	-2	8.496	0	1920	55	0.8
2681.6	10000	38.8217	95.8255	-952	PW	1.7	-3	10.1	0	1.2	0	0.171	-3	1.390	-2	8.149	0	1919	48	0.8
2681.7	10000	38.8223	95.8256	-952	PW	1.7	-3	10.1	0	1.2	0	0.164	-3	1.317	-2	8.033	0	1918	46	0.8
2681.8	10000	38.8229	95.8256	-953	PW	1.7	-3	10.6	1	1.2	0	0.160	-3	1.362	-2	8.521	0	1910	51	0.8
2681.9	10000	38.8235	95.8256	-953	PW	1.9	-2	10.7	1	1.3	0	0.177	-3	1.501	-2	8.488	0	1895	48	0.8
2682.0	10000	38.8241	95.8256	-953	PW	2.0	-2	10.0	1	1.3	0	0.200	-2	1.532	-2	7.657	-1	1894	50	0.8
2682.1	10000	38.8247	95.8257	-953	PW	2.1	-2	9.8	0	1.3	0	0.215	-2	1.630	-2	7.579	-1	1880	53	0.8
2682.2	10000	38.8253	95.8257	-954	PW	2.0	-2	9.7	0	1.3	0	0.204	-2	1.534	-2	7.500	-1	1870	60	0.8
2682.3	10000	38.8259	95.8257	-955	PW	2.1	-2	9.7	0	1.3	0	0.212	-2	1.564	-2	7.372	-1	1862	41	0.8
2682.4	10000	38.8265	95.8257	-955	PW	1.9	-2	9.6	0	1.3	0	0.201	-2	1.503	-2	7.471	-1	1849	36	0.8
2682.5	10000	38.8271	95.8257	-956	PW	2.3	-2	9.0	-1	1.3	0	0.253	-1	1.748	-1	6.918	-1	1845	45	0.8
2682.6	10000	38.8277	95.8258	-957	PW	2.2	-2	8.7	-1	1.3	0	0.251	-1	1.738	-1	6.921	-1	1845	47	0.8
2682.7	10000	38.8283	95.8258	-957	PW	2.1	-2	8.9	-1	1.2	0	0.229	-1	1.726	-2	7.521	-1	1837	41	0.8
2682.8	10000	38.8289	95.8258	-958	PW	2.2	-2	8.5	-1	1.2	0	0.249	-1	1.742	-1	6.992	-1	1835	45	0.8
2682.9	10000	38.8295	95.8258	-958	PW	2.2	-2	8.4	-2	1.2	0	0.257	-1	1.811	-1	7.032	-1	1833	39	0.8
2683.0	10000	38.8301	95.8258	-959	PW	2.2	-2	8.4	-1	1.2	0	0.263	-1	1.866	-1	7.090	-1	1819	59	0.8
2683.1	10000	38.8307	95.8259	-959	PW	2.3	-1	8.4	-1	1.1	0	0.277	-1	1.994	-1	7.189	-1	1809	48	0.8
2683.2	10000	38.8313	95.8259	-960	PW	2.1	-2	8.4	-1	1.1	-1	0.245	-1	1.830	-1	7.464	-1	1813	33	0.8
2683.3	10000	38.8319	95.8259	-961	PW	2.2	-2	8.7	-1	1.2	0	0.249	-1	1.890	-1	7.579	-1	1820	37	0.8
2683.4	10000	38.8325	95.8259	-961	PW	2.3	-1	8.7	-1	1.2	0	0.264	-1	1.965	-1	7.450	-1	1823	43	0.8
2683.5	10000	38.8331	95.8260	-961	PW	2.5	-1	9.0	-1	1.1	0	0.280	0	2.278	0	8.126	0	1824	47	0.8
2683.6	10000	38.8338	95.8260	-962	PW	2.7	-1	9.0	-1	1.1	0	0.283	0	2.338	0	8.272	0	1845	53	0.8
2683.7	10000	38.8344	95.8260	-962	PW	3.0	-1	8.7	-1	1.1	0	0.306	0	2.382	0	7.792	0	1872	40	0.8
2683.8	10000	38.8350	95.8260	-961	PW	3.0	0	8.6	-1	1.2	0	0.347	1	2.535	0	7.313	-1	1908	40	0.8
2683.9	10000	38.8356	95.8260	-961	PW	3.0	0	8.5	-1	1.2	0	0.352	1	2.533	0	7.204	-1	1920	47	0.8
2684.0	10000	38.8362	95.8261	-961	PW	2.9	0	8.4	-2	1.2	0	0.354	1	2.482	0	7.016	-1	1943	55	0.8
2684.1	10000	38.8368	95.8261	-961	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.420	0	7.008	-1	1940	37	0.8
2684.2	10000	38.8374	95.8261	-960	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.427	-1	6.884	-1	1935	53	0.8
2684.3	10000	38.8380	95.8261	-959	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	6.953	-1	1914	47	0.8
2684.4	10000	38.8386	95.8262	-959	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.390	-1	7.711	-1	1902	55	0.8
2684.5	10000	38.8392	95.8262	-958	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.405	-1	8.498	-1	1887	47	0.8
2684.6	10000	38.8398	95.8262	-958	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.413	-1	8.621	-1	1874	56	0.8
2684.7	10000	38.8404	95.8262	-956	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	8.915	-1	1855	48	0.8
2684.8	10000	38.8410	95.8262	-955	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	9.001	-1	1887	46	0.8
2684.9	10000	38.8416	95.8263	-954	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	8.365	-1	1928	43	0.8
2685.0	10000	38.8422	95.8263	-952	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	8.289	-1	1975	58	0.8
2685.1	10000	38.8428	95.8263	-950	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	7.755	-1	2000	39	0.8
2685.2	10000	38.8434	95.8263	-949	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	7.420	-1	2011	48	0.8
2685.3	10000	38.8440	95.8264	-947	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	7.479	-1	2012	41	0.8
2685.4	10000	38.8446	95.8264	-945	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	7.354	-1	2029	65	0.8
2685.5	10000	38.8452	95.8264	-944	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	7.430	-1	2010	59	0.8
2685.6	10000	38.8458	95.8264	-942	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	7.641	-1	1983	49	0.8
2685.7	10000	38.8464	95.8264	-940	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	7.585	-1	1963	53	0.8
2685.8	10000	38.8470	95.8265	-937	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	7.752	-1	1946	45	0.8
2685.9	10000	38.8477	95.8265	-935	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	7.669	-1	1939	55	0.8
2686.0	10000	38.8483	95.8265	-932	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	7.552	-1	1928	50	0.8
2686.1	10000	38.8489	95.8265	-930	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	7.472	-1	1886	57	0.8
2686.2	10000	38.8495	95.8266	-927	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	7.441	-1	1873	46	0.8
2686.3	10000	38.8501	95.8266	-925	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	7.947	-1	1853	54	0.8
2686.4	10000	38.8507	95.8266	-922	PW	2.9	0	8.4	-1	1.2	0	0.345	1	2.417	-1	7.993	-1	1833	48	0.8

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2686.5	10000	38.8513	95.8266	-919	PW	2.2	-2	9.3	-1	1.1	-1	0.234	-1	1.902	-1	8.113	0	1809	52	0.8
2686.6	10000	38.8519	95.8266	-915	PW	2.0	-2	9.5	0	1.1	-1	0.206	-2	1.762	-1	8.535	0	1784	38	0.8
2686.7	10000	38.8525	95.8267	-912	PW	1.8	-2	9.4	0	1.2	0	0.195	-2	1.586	-2	8.138	0	1770	50	0.8
2686.8	10000	38.8531	95.8267	-909	PW	2.0	-2	9.5	0	1.1	-1	0.214	-2	1.802	-1	8.421	0	1781	54	0.8
2686.9	10000	38.8537	95.8267	-905	PW	1.8	-2	9.6	0	1.1	-1	0.190	-2	1.597	-2	8.425	0	1781	52	0.8
2687.0	10000	38.8543	95.8267	-902	PW	1.8	-2	9.3	-1	1.2	0	0.193	-2	1.536	-2	7.955	0	1790	51	0.8
2687.1	10000	38.8549	95.8268	-898	PW	1.7	-3	9.5	0	1.2	0	0.178	-3	1.411	-2	7.935	0	1808	53	0.8
2687.2	10000	38.8555	95.8268	-894	PW	2.0	-2	9.1	-1	1.2	0	0.224	-2	1.709	-2	7.644	-1	1837	42	0.8
2687.3	10000	38.8561	95.8268	-889	PW	2.3	-1	9.0	-1	1.3	0	0.257	-1	1.840	-1	7.171	-1	1888	52	0.8
2687.4	10000	38.8567	95.8268	-885	PW	2.5	-1	9.4	0	1.2	0	0.266	-1	2.143	-1	8.057	0	1949	46	0.8
2687.5	10000	38.8573	95.8268	-880	PW	2.4	-1	9.9	0	1.2	0	0.241	-1	1.922	-1	7.961	0	1988	61	0.8
2687.6	10000	38.8579	95.8269	-875	PW	2.5	-1	9.9	0	1.2	0	0.253	-1	2.036	-1	8.040	0	2011	38	0.8
2687.7	10000	38.8585	95.8269	-870	PW	2.5	-1	10.6	1	1.3	0	0.240	-1	2.010	-1	8.372	0	2027	51	0.8
2687.8	10000	38.8591	95.8269	-865	PW	2.6	-1	10.3	0	1.3	0	0.252	-1	2.069	-1	8.201	0	2027	47	0.8
2687.9	10000	38.8597	95.8269	-860	PW	2.2	-2	10.5	1	1.3	0	0.213	-2	1.759	-1	8.271	0	2020	50	0.8
2688.0	10000	38.8603	95.8270	-855	PW	2.2	-2	10.3	0	1.2	0	0.217	-2	1.868	-1	8.601	0	1982	56	0.8
2688.1	10000	38.8609	95.8270	-850	PW	2.1	-2	9.9	0	1.2	0	0.211	-2	1.714	-2	8.137	0	1938	50	0.8
2688.2	10000	38.8615	95.8270	-844	PW	2.0	-2	9.5	0	1.2	0	0.209	-2	1.691	-2	8.097	0	1879	46	0.8
2688.3	10000	38.8622	95.8270	-839	PW	1.9	-2	9.4	0	1.2	0	0.201	-2	1.621	-2	8.052	0	1845	46	0.8
2688.4	10000	38.8628	95.8270	-833	PW	1.8	-2	9.0	-1	1.1	-1	0.204	-2	1.624	-2	7.955	0	1813	59	0.8
2688.5	10000	38.8634	95.8271	-827	PW	1.9	-2	8.8	-1	1.1	-1	0.216	-2	1.803	-1	8.326	0	1773	59	0.8
2688.6	10000	38.8640	95.8271	-822	PW	2.0	-2	8.6	-1	1.1	-1	0.226	-2	1.846	-1	8.171	0	1760	50	0.8
2688.7	10000	38.8646	95.8271	-816	PW	2.0	-2	8.9	-1	1.1	-1	0.223	-2	1.810	-1	8.112	0	1768	54	0.7
2688.8	10000	38.8652	95.8271	-810	PW	2.0	-2	9.1	-1	1.1	-1	0.220	-2	1.794	-1	8.169	0	1776	57	0.7
2688.9	10000	38.8658	95.8271	-805	PW	2.2	-2	9.1	-1	1.2	0	0.239	-1	1.862	-1	7.792	0	1808	46	0.7
2689.0	10000	38.8664	95.8272	-799	PW	2.2	-2	9.2	-1	1.2	0	0.240	-1	1.854	-1	7.731	0	1825	49	0.7
2689.1	10000	38.8670	95.8272	-793	PW	2.2	-2	9.0	-1	1.2	0	0.249	-1	1.901	-1	7.650	-1	1845	36	0.7
2689.2	10000	38.8676	95.8272	-787	PW	2.3	-1	8.9	-1	1.2	0	0.259	-1	1.845	-1	7.116	-1	1875	39	0.7
2689.3	10000	38.8682	95.8272	-781	PW	2.6	-1	8.7	-1	1.3	0	0.298	0	2.022	-1	6.779	-1	1894	52	0.7
2689.4	10000	38.8688	95.8273	-775	PW	2.6	-1	8.8	-1	1.3	0	0.298	0	1.973	-1	6.368	-2	1900	50	0.7
2689.5	10000	38.8694	95.8273	-768	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	1.912	-1	6.106	-2	1925	44	0.7
2689.6	10000	38.8700	95.8273	-762	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	1.928	-1	6.203	-2	1942	47	0.7
2689.7	10000	38.8706	95.8273	-756	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	2.070	-1	5.956	-2	1965	56	0.7
2689.8	10000	38.8712	95.8273	-748	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	2.052	-1	5.761	-2	1985	52	0.7
2689.9	10000	38.8718	95.8274	-740	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	2.266	-1	6.085	-2	2008	45	0.7
2690.0	10000	38.8724	95.8274	-733	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	2.220	-1	6.701	-1	2002	69	0.7
2690.1	10000	38.8730	95.8274	-724	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	2.274	-1	6.925	-1	2012	39	0.7
2690.2	10000	38.8736	95.8274	-716	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	2.380	-1	7.253	-1	2016	40	0.7
2690.3	10000	38.8742	95.8275	-708	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	2.208	-1	7.563	-1	2017	38	0.7
2690.4	10000	38.8748	95.8275	-699	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	2.051	-1	7.856	-1	2007	47	0.7
2690.5	10000	38.8755	95.8275	-690	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	1.717	-2	8.030	0	1984	33	0.7
2690.6	10000	38.8760	95.8275	-682	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	1.741	-1	8.087	0	1928	55	0.7
2690.7	10000	38.8767	95.8275	-674	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	1.932	-1	8.438	-1	1894	52	0.7
2690.8	10000	38.8773	95.8276	-665	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	2.097	-1	8.213	-1	1839	48	0.7
2690.9	10000	38.8779	95.8276	-656	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	2.104	-1	7.617	-1	1741	35	0.7
2691.0	10000	38.8785	95.8276	-648	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	1.636	-1	7.454	-1	1657	44	0.7
2691.1	10000	38.8792	95.8276	-639	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	2.236	-1	7.926	-1	1584	40	0.7
2691.2	10000	38.8798	95.8276	-632	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	2.241	-1	7.380	-1	1541	38	0.7
2691.3	10000	38.8805	95.8276	-625	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	2.434	-1	7.177	-1	1529	45	0.7
2691.4	10000	38.8811	95.8276	-618	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	2.111	-1	7.956	-1	1528	38	0.7
2691.5	10000	38.8818	95.8276	-611	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	2.111	-1	7.933	-1	1551	38	0.7
2691.6	10000	38.8825	95.8276	-604	PW	2.6	-1	8.8	-1	1.3	0	0.296	0	2.111	-1	8.081	0	1551	38	0.6

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2691.7	10000	38.8831	95.8276	-607	PW	2.1	-2	7.5	-2	1.0	-2	0.284	0	2.232	0	7.869	0	1598	58	0.6
2691.8	10000	38.8838	95.8275	-602	PW	2.2	-2	8.0	-2	0.9	-2	0.273	-1	2.327	0	8.513	0	1648	49	0.6
2691.9	10000	38.8844	95.8275	-600	PW	2.4	-1	7.8	-2	1.0	-1	0.305	0	2.416	0	7.912	0	1699	44	0.6
2692.0	10000	38.8851	95.8275	-598	PW	2.4	-1	8.4	-2	1.0	-1	0.282	0	2.349	0	8.316	0	1737	50	0.6
2692.1	10000	38.8857	95.8275	-597	PW	2.3	-1	8.3	-2	1.0	-1	0.272	-1	2.229	0	8.205	0	1746	43	0.6
2692.2	10000	38.8864	95.8275	-597	PW	2.4	-1	8.1	-2	1.1	-1	0.292	0	2.252	0	7.703	0	1776	47	0.6
2692.3	10000	38.8871	95.8275	-595	PW	2.3	-1	8.7	-1	1.1	-1	0.269	-1	2.095	-1	7.797	0	1836	38	0.6
2692.4	10000	38.8877	95.8275	-595	PW	2.3	-1	9.0	-1	1.1	-1	0.257	-1	2.044	-1	7.946	0	1846	46	0.6
2692.5	10000	38.8884	95.8275	-595	PW	2.3	-1	9.1	-1	1.2	0	0.257	-1	1.972	-1	7.673	0	1876	44	0.6
2692.6	10000	38.8890	95.8275	-595	PW	2.6	-1	9.8	0	1.2	0	0.271	-1	2.209	-1	8.148	0	1892	63	0.6
2692.7	10000	38.8897	95.8275	-595	PW	2.8	0	9.1	-1	1.2	0	0.308	0	2.361	0	7.657	-1	1905	42	0.6
2692.8	10000	38.8903	95.8275	-596	QAL	2.9	0	9.6	0	1.2	0	0.306	0	2.386	0	7.805	0	1944	58	0.6
2692.9	10000	38.8910	95.8275	-597	QAL	2.9	0	9.2	0	1.2	0	0.318	0	2.461	0	7.744	0	1956	37	0.6
2693.0	10000	38.8917	95.8275	-597	QAL	3.2	0	9.3	0	1.1	0	0.344	0	2.807	0	8.166	0	1944	46	0.6
2693.1	10000	38.8923	95.8275	-598	QAL	3.4	1	8.8	0	1.2	0	0.382	1	2.924	1	7.661	0	1953	44	0.6
2693.2	10000	38.8930	95.8275	-597	QAL	3.3	0	8.8	0	1.1	-1	0.368	0	2.900	1	7.874	0	1933	54	0.6
2693.3	10000	38.8936	95.8275	-597	QAL	2.9	0	8.5	-1	1.2	0	0.340	0	2.420	0	7.115	0	1910	49	0.6
2693.4	10000	38.8943	95.8275	-597	QAL	2.8	-1	9.0	0	1.2	0	0.306	0	2.270	0	7.429	0	1903	55	0.6
2693.5	10000	38.8949	95.8275	-597	QAL	2.6	-1	8.5	-1	1.2	0	0.311	0	2.138	-1	6.881	0	1863	54	0.6
2693.6	10000	38.8956	95.8275	-597	QAL	2.6	-1	8.6	-1	1.2	0	0.303	-1	2.094	-1	6.911	0	1843	41	0.6
2693.7	10000	38.8963	95.8275	-597	QAL	2.5	-1	8.6	-1	1.2	0	0.297	-1	2.083	-1	7.025	0	1812	29	0.6
2693.8	10000	38.8969	95.8275	-596	QAL	2.4	-1	8.8	0	1.1	0	0.278	-1	2.144	-1	7.702	0	1777	52	0.6
2693.9	10000	38.8976	95.8275	-595	QAL	2.5	-1	8.6	0	1.1	-1	0.294	-1	2.263	0	7.690	0	1742	40	0.6
2694.0	10000	38.8982	95.8275	-595	QAL	2.6	-1	8.5	-1	1.0	-1	0.301	-1	2.443	0	8.106	0	1705	50	0.6
2694.1	10000	38.8989	95.8275	-595	QAL	2.5	-1	8.0	-1	1.0	-1	0.318	0	2.520	0	7.936	0	1668	54	0.6
2694.2	10000	38.8995	95.8275	-595	QAL	2.7	-1	7.9	-1	1.0	-1	0.348	0	2.855	0	8.213	0	1659	39	0.6
2694.3	10000	38.9002	95.8275	-595	QAL	2.8	-1	7.6	-1	1.0	-1	0.362	0	2.884	1	7.971	0	1639	51	0.6
2694.4	10000	38.9008	95.8274	-594	QAL	2.8	0	7.5	-1	1.0	-1	0.377	1	2.801	0	7.432	0	1651	47	0.6
2694.5	10000	38.9015	95.8274	-595	QAL	2.7	-1	7.5	-1	1.1	-1	0.359	0	2.515	0	6.998	0	1678	46	0.6
2694.6	10000	38.9022	95.8274	-595	QAL	2.7	-1	7.6	-1	1.1	-1	0.361	0	2.402	0	6.647	-1	1721	42	0.6
2694.7	10000	38.9028	95.8274	-595	QAL	2.9	-1	7.6	-1	1.2	-1	0.381	1	2.399	0	6.297	-1	1768	50	0.6
2694.8	10000	38.9035	95.8274	-596	QAL	2.6	-1	8.1	-1	1.3	-1	0.325	0	2.076	-1	6.394	-1	1808	50	0.6
2694.9	10000	38.9041	95.8274	-596	QAL	2.5	-1	7.7	0	1.3	-1	0.282	-1	1.840	-1	6.516	-1	1852	58	0.6
2695.0	10000	38.9048	95.8274	-597	PW	2.4	-1	8.0	-1	1.4	-1	0.266	-1	1.711	-2	6.441	-2	1895	58	0.6
2695.1	10000	38.9054	95.8274	-598	PW	2.3	-1	8.6	-1	1.4	-1	0.266	-1	1.675	-2	6.288	-2	1907	47	0.6
2695.2	10000	38.9061	95.8274	-599	PW	2.3	-1	8.4	-2	1.4	-1	0.275	-1	1.682	-2	6.112	-2	1912	46	0.6
2695.3	10000	38.9068	95.8274	-600	PW	2.3	-1	8.5	-2	1.3	-1	0.273	-1	1.658	-2	6.082	-2	1898	54	0.6
2695.4	10000	38.9074	95.8274	-601	PW	2.3	-1	8.7	-2	1.3	-1	0.261	-1	1.655	-2	6.333	-2	1885	51	0.6
2695.5	10000	38.9081	95.8274	-601	PW	2.3	-1	8.6	-2	1.3	-1	0.291	-1	1.758	-1	6.036	-2	1885	48	0.6
2695.6	10000	38.9087	95.8274	-602	PW	2.3	-1	8.5	-2	1.3	-1	0.329	-1	1.922	-1	5.852	-2	1860	54	0.6
2695.7	10000	38.9094	95.8274	-603	PW	2.3	-1	8.7	-2	1.3	-1	0.337	-1	2.035	-1	6.039	-2	1839	46	0.6
2695.8	10000	38.9100	95.8274	-603	PW	2.3	-1	8.8	-2	1.3	-1	0.317	-1	2.011	-1	6.341	-2	1831	43	0.6
2695.9	10000	38.9107	95.8274	-604	PW	2.3	-1	8.8	-2	1.3	-1	0.324	-1	2.179	-1	6.729	-1	1835	44	0.6
2696.0	10000	38.9114	95.8274	-605	PW	2.3	-1	8.8	-2	1.3	-1	0.290	-1	2.082	-1	7.188	-1	1824	55	0.6
2696.1	10000	38.9120	95.8274	-605	PW	2.3	-1	8.7	-2	1.3	-1	0.275	-1	2.023	-1	7.365	-1	1824	44	0.6
2696.2	10000	38.9127	95.8274	-605	PW	2.3	-1	8.7	-2	1.3	-1	0.281	-1	2.142	-1	7.631	-1	1819	66	0.6
2696.3	10000	38.9133	95.8274	-605	PW	2.3	-1	8.7	-2	1.3	-1	0.271	-1	2.092	-1	7.724	0	1830	49	0.6
2696.4	10000	38.9140	95.8274	-606	PW	2.3	-1	8.8	-2	1.3	-1	0.253	-1	1.892	-1	7.485	-1	1831	45	0.6
2696.5	10000	38.9146	95.8273	-606	PW	2.3	-1	8.8	-2	1.3	-1	0.254	-1	1.867	-1	7.338	-1	1838	46	0.6
2696.6	10000	38.9153	95.8273	-607	PW	2.3	-1	8.8	-2	1.3	-1	0.248	-1	1.857	-1	7.472	-1	1828	57	0.6
2696.7	10000	38.9160	95.8273	-607	PW	2.3	-1	8.8	-2	1.3	-1	0.284	-1	2.122	-1	7.466	-1	1838	39	0.6
2696.8	10000	38.9166	95.8273	-607	PW	2.4	-1	8.8	-2	1.2	-1	0.293	0	2.088	-1	7.129	-1	1838	43	0.6

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2696.9	10000	38.9173	95.8273	-608	PW	2.4	-1	8.6	-1	1.2	0	0.277	-1	2.029	-1	7.334	-1	1852	50	0.6
2697.0	10000	38.9179	95.8273	-608	PW	2.4	-1	8.6	-1	1.1	0	0.276	-1	2.064	-1	7.476	-1	1854	43	0.6
2697.1	10000	38.9186	95.8273	-608	PW	2.4	-1	8.6	-1	1.1	-1	0.280	0	2.245	0	8.011	0	1868	47	0.6
2697.2	10000	38.9192	95.8273	-607	PW	2.4	-1	9.1	-1	1.1	-1	0.264	-1	2.224	0	8.415	0	1883	56	0.6
2697.3	10000	38.9199	95.8273	-607	PW	2.4	-1	9.4	-1	1.1	-1	0.260	-1	2.147	-1	8.269	0	1903	48	0.6
2697.4	10000	38.9206	95.8273	-607	PW	2.3	-1	9.3	-1	1.1	-1	0.245	-1	2.013	-1	8.230	0	1934	44	0.6
2697.5	10000	38.9212	95.8273	-606	PW	2.3	-1	9.8	0	1.2	0	0.240	-1	2.016	-1	8.415	0	1980	49	0.6
2697.6	10000	38.9219	95.8273	-606	PW	2.5	-1	9.7	0	1.2	0	0.261	-1	2.199	-1	8.438	0	1995	59	0.6
2697.7	10000	38.9225	95.8273	-605	PW	2.7	-1	9.9	0	1.2	0	0.271	-1	2.223	0	8.212	0	2030	55	0.6
2697.8	10000	38.9232	95.8273	-605	PW	2.7	-1	9.7	0	1.3	0	0.280	0	2.174	-1	7.776	0	2049	56	0.6
2697.9	10000	38.9238	95.8273	-604	PW	2.8	0	9.7	0	1.3	0	0.285	0	2.139	-1	7.510	-1	2061	46	0.6
2698.0	10000	38.9245	95.8273	-604	PW	2.7	-1	9.8	0	1.3	1	0.272	-1	2.026	-1	7.454	-1	2072	55	0.6
2698.1	10000	38.9251	95.8273	-603	PW	2.6	-1	10.3	0	1.4	1	0.254	-1	1.907	-1	7.522	-1	2076	51	0.6
2698.2	10000	38.9258	95.8273	-601	PW	2.7	-1	10.2	0	1.3	1	0.261	-1	1.983	-1	7.591	-1	2047	33	0.6
2698.3	10000	38.9265	95.8273	-600	PW	2.5	-1	9.9	0	1.3	1	0.253	-1	1.864	-1	7.361	-1	2040	49	0.6
2698.4	10000	38.9271	95.8273	-598	PW	2.5	-1	10.0	0	1.3	1	0.249	-1	1.867	-1	7.503	-1	2020	52	0.6
2698.5	10000	38.9278	95.8273	-596	PW	2.6	-1	9.9	0	1.3	1	0.259	-1	1.944	-1	7.496	-1	2010	39	0.6
2698.6	10000	38.9284	95.8273	-593	PW	2.6	-1	9.8	0	1.3	0	0.266	-1	2.001	-1	7.515	-1	2003	53	0.6
2698.7	10000	38.9291	95.8273	-590	PW	2.6	-1	9.6	0	1.3	0	0.273	-1	2.047	-1	7.506	-1	1993	38	0.6
2698.8	10000	38.9298	95.8273	-586	PW	2.6	-1	9.0	-1	1.2	0	0.289	0	2.100	-1	7.268	-1	1979	39	0.6
2698.9	10000	38.9304	95.8273	-583	PW	2.7	-1	9.3	-1	1.2	0	0.289	0	2.178	-1	7.546	-1	1977	51	0.6
2699.0	10000	38.9311	95.8273	-580	PW	2.6	-1	9.6	0	1.2	0	0.273	-1	2.082	-1	7.613	-1	1970	59	0.6
2699.1	10000	38.9317	95.8272	-577	PW	2.3	-1	9.6	0	1.2	0	0.240	-1	1.922	-1	7.999	0	1964	47	0.6
2699.2	10000	38.9324	95.8272	-573	PW	2.3	-1	10.1	0	1.2	0	0.230	-1	1.889	-1	8.214	0	1968	38	0.6
2699.3	10000	38.9330	95.8272	-570	PW	2.5	-1	10.3	0	1.2	0	0.242	-1	2.046	-1	8.451	0	1970	47	0.6
2699.4	10000	38.9337	95.8272	-566	PW	2.5	-1	10.3	0	1.2	0	0.240	-1	2.026	-1	8.453	0	1960	54	0.6
2699.5	10000	38.9343	95.8272	-563	PW	2.4	-1	10.2	0	1.2	0	0.232	-1	1.943	-1	8.368	0	1949	43	0.6
2699.6	10000	38.9350	95.8272	-559	PW	2.3	-1	10.2	0	1.2	0	0.226	-2	1.856	-1	8.194	0	1947	50	0.6
2699.7	10000	38.9357	95.8272	-555	PW	2.4	-1	10.1	0	1.2	0	0.237	-1	1.914	-1	8.075	0	1943	51	0.6
2699.8	10000	38.9363	95.8272	-552	PW	2.5	-1	9.6	0	1.3	0	0.258	-1	1.936	-1	7.492	-1	1951	44	0.6
2699.9	10000	38.9370	95.8272	-549	PW	2.5	-1	9.4	0	1.3	0	0.266	-1	2.041	-1	7.674	0	1943	37	0.6
2700.0	10000	38.9376	95.8272	-545	PW	2.4	-1	9.2	0	1.3	0	0.257	-1	1.932	-1	7.527	-1	1930	56	0.6
2700.1	10000	38.9383	95.8272	-541	PW	2.4	-1	9.0	0	1.3	0	0.263	-1	1.832	-1	6.968	-1	1937	46	0.6
2700.2	10000	38.9389	95.8272	-539	PW	2.4	-1	8.8	0	1.3	0	0.268	-1	1.868	-1	6.973	-1	1935	49	0.6
2700.3	10000	38.9396	95.8272	-536	PW	2.5	-1	8.8	0	1.3	0	0.278	-1	1.870	-1	6.733	-1	1935	57	0.5
2700.4	10000	38.9403	95.8272	-534	PW	2.5	-1	8.8	0	1.3	0	0.280	-1	1.903	-1	6.805	-1	1946	41	0.5
2700.5	10000	38.9409	95.8272	-530	PW	2.5	-1	8.8	0	1.3	0	0.291	-1	1.960	-1	6.726	-1	1936	39	0.5
2700.6	10000	38.9416	95.8272	-528	PW	2.5	-1	8.8	0	1.3	0	0.284	-1	1.715	-2	6.706	-1	1935	39	0.5
2700.7	10000	38.9422	95.8272	-525	PW	2.5	-1	8.8	0	1.3	0	0.276	-1	1.828	-1	6.615	-2	1936	55	0.5
2700.8	10000	38.9429	95.8272	-523	PW	2.5	-1	8.8	0	1.3	0	0.280	-1	2.006	-1	7.160	-1	1923	50	0.5
2700.9	10000	38.9435	95.8272	-520	PW	2.5	-1	8.8	0	1.3	0	0.288	-1	2.081	-1	7.233	-1	1915	43	0.5
2701.0	10000	38.9442	95.8272	-517	PW	2.5	-1	8.8	0	1.3	0	0.274	-1	1.955	-1	7.135	-1	1907	44	0.5
2701.1	10000	38.9449	95.8272	-515	PW	2.5	-1	8.8	0	1.3	0	0.267	-1	1.943	-1	7.277	-1	1873	49	0.5
2701.2	10000	38.9455	95.8272	-512	PW	2.5	-1	8.8	0	1.3	0	0.282	-1	2.109	-1	7.475	-1	1854	36	0.5
2701.3	10000	38.9462	95.8271	-509	PW	2.5	-1	8.8	0	1.3	0	0.283	-1	2.346	-1	6.963	-1	1844	49	0.5
2701.4	10000	38.9468	95.8271	-506	PW	2.5	-1	8.8	0	1.3	0	0.310	-1	2.194	-1	7.054	-1	1840	40	0.5
2701.5	10000	38.9475	95.8271	-503	PW	2.5	-1	8.8	0	1.3	0	0.312	-1	2.086	-1	6.735	-1	1850	45	0.5
2701.6	10000	38.9481	95.8271	-501	PW	2.5	-1	8.8	0	1.3	0	0.306	-1	2.148	-1	6.894	-1	1863	43	0.5
2701.7	10000	38.9488	95.8271	-498	PW	2.5	-1	8.8	0	1.3	0	0.293	-1	2.128	-1	7.453	-1	1858	41	0.5
2701.8	10000	38.9494	95.8271	-496	PW	2.5	-1	8.8	0	1.3	0	0.284	-1	2.165	-1	7.378	-1	1866	52	0.5
2701.9	10000	38.9501	95.8271	-493	PW	2.5	-1	8.8	0	1.3	0	0.284	-1	2.256	-1	7.411	-1	1868	38	0.5
2702.0	10000	38.9508	95.8271	-491	PW	2.5	-1	8.8	0	1.3	0	0.284	-1	2.559	-2	7.618	-1	1861	38	0.5

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2702.1	10000	38.9514	95.8271	-488	PW	2.1	-2	9.7	0	1.2	0	0.217	-2	1.718	-2	7.902	0	1856	46	0.5
2702.2	10000	38.9521	95.8271	-485	PW	2.1	-2	9.8	0	1.2	0	0.211	-2	1.719	-2	8.137	0	1832	50	0.5
2702.3	10000	38.9527	95.8271	-481	PW	2.1	-2	9.3	-1	1.2	0	0.223	-2	1.696	-2	7.589	-1	1801	52	0.5
2702.4	10000	38.9534	95.8271	-479	PW	2.3	-1	8.6	-1	1.2	0	0.269	-1	1.893	-1	7.026	-1	1788	51	0.5
2702.5	10000	38.9541	95.8271	-475	PW	2.5	-1	8.0	-2	1.2	0	0.314	0	2.154	-1	6.852	-1	1776	46	0.5
2702.6	10000	38.9547	95.8271	-473	PW	2.6	-1	8.1	-2	1.2	0	0.326	1	2.269	0	6.952	-1	1782	54	0.5
2702.7	10000	38.9554	95.8271	-471	PW	2.8	0	8.5	-1	1.1	-1	0.332	1	2.495	0	7.514	-1	1778	58	0.5
2702.8	10000	38.9560	95.8271	-469	PW	2.7	-1	8.1	-2	1.1	-1	0.335	1	2.429	0	7.257	-1	1769	49	0.5
2702.9	10000	38.9567	95.8271	-468	PW	2.9	0	8.5	-1	1.2	0	0.335	1	2.477	0	7.392	-1	1788	52	0.5
2703.0	10000	38.9573	95.8271	-465	PW	2.6	-1	8.8	-1	1.1	-1	0.296	0	2.336	0	7.883	0	1792	49	0.5
2703.1	10000	38.9580	95.8271	-462	PW	2.5	-1	9.0	-1	1.1	-1	0.277	-1	2.196	-1	7.915	0	1793	52	0.5
2703.2	10000	38.9586	95.8270	-460	PW	2.5	-1	9.3	-1	1.2	0	0.268	-1	2.110	-1	7.875	0	1790	47	0.4
2703.3	10000	38.9593	95.8270	-458	PW	2.5	-1	9.1	-1	1.2	0	0.274	-1	2.134	-1	7.774	0	1778	47	0.4
2703.4	10000	38.9599	95.8270	-456	PW	2.1	-2	8.8	-1	1.2	0	0.242	-1	1.857	-1	7.661	-1	1758	48	0.4
2703.5	10000	38.9606	95.8270	-454	PW	2.2	-2	8.6	-1	1.2	0	0.255	-1	1.876	-1	7.366	-1	1750	37	0.4
2703.6	10000	38.9612	95.8270	-451	PW	2.3	-1	8.3	-2	1.2	0	0.282	0	2.016	-1	7.149	-1	1740	48	0.4
2703.7	10000	38.9619	95.8270	-449	PW	2.5	-1	7.7	-2	1.2	0	0.319	0	2.105	-1	6.595	-2	1729	48	0.4
2703.8	10000	38.9625	95.8270	-447	PW	2.3	-1	7.8	-2	1.2	0	0.299	0	2.030	-1	6.801	-1	1723	47	0.4
2703.9	10000	38.9632	95.8270	-444	PW	2.4	-1	7.9	-2	1.1	-1	0.302	0	2.095	-1	6.949	-1	1727	54	0.4
2704.0	10000	38.9638	95.8270	-442	PW	2.4	-1	7.7	-2	1.1	-1	0.315	0	2.155	-1	6.846	-1	1714	45	0.4
2704.1	10000	38.9645	95.8270	-440	PW	2.7	-1	7.6	-2	1.1	-1	0.353	1	2.411	0	6.829	-1	1725	45	0.4
2704.2	10000	38.9652	95.8270	-438	PW	2.7	-1	8.0	-2	1.1	-1	0.336	1	2.492	0	7.409	-1	1730	49	0.4
2704.3	10000	38.9658	95.8269	-436	PW	2.6	-1	8.3	-2	1.1	-1	0.318	0	2.491	0	7.838	0	1730	50	0.4
2704.4	10000	38.9665	95.8269	-434	PW	2.6	-1	8.8	-1	1.1	-1	0.298	0	2.453	0	8.234	0	1754	51	0.4
2704.5	10000	38.9671	95.8269	-433	PW	2.5	-1	8.8	-1	1.1	-1	0.296	0	2.413	0	8.166	0	1766	47	0.4
2704.6	10000	38.9678	95.8269	-431	PW	2.5	-1	8.7	-1	1.1	-1	0.283	0	2.232	0	7.880	0	1781	67	0.4
2704.7	10000	38.9684	95.8269	-429	PW	2.9	-1	9.1	-1	1.1	-1	0.317	0	2.183	-1	8.163	0	1799	56	0.4
2704.8	10000	38.9691	95.8269	-427	PW	3.4	-1	9.8	-1	1.1	-1	0.347	1	2.145	-1	8.002	0	1807	56	0.4
2704.9	10000	38.9697	95.8269	-426	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.174	-1	7.612	0	1812	45	0.4
2705.0	10000	38.9704	95.8269	-425	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.170	-1	7.892	0	1817	50	0.4
2705.1	10000	38.9710	95.8269	-425	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.072	-1	7.894	0	1815	43	0.4
2705.2	10000	38.9717	95.8269	-425	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.090	-1	7.858	0	1822	54	0.4
2705.3	10000	38.9723	95.8268	-425	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.090	-1	7.858	0	1811	45	0.4
2705.4	10000	38.9730	95.8268	-425	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.154	-1	7.858	0	1799	50	0.4
2705.5	10000	38.9736	95.8268	-426	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1793	45	0.4
2705.6	10000	38.9743	95.8268	-426	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1780	50	0.4
2705.7	10000	38.9749	95.8268	-427	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1752	45	0.4
2705.8	10000	38.9756	95.8268	-427	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1726	50	0.4
2705.9	10000	38.9762	95.8268	-429	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1691	45	0.4
2706.0	10000	38.9769	95.8268	-430	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1684	56	0.4
2706.1	10000	38.9776	95.8268	-431	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1664	62	0.4
2706.2	10000	38.9782	95.8268	-431	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1642	35	0.4
2706.3	10000	38.9789	95.8268	-433	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1616	41	0.4
2706.4	10000	38.9795	95.8267	-434	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1609	40	0.4
2706.5	10000	38.9802	95.8267	-436	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1620	57	0.4
2706.6	10000	38.9808	95.8267	-437	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1622	51	0.4
2706.7	10000	38.9815	95.8267	-438	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1641	44	0.4
2706.8	10000	38.9821	95.8267	-439	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1686	38	0.4
2706.9	10000	38.9828	95.8267	-440	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1735	53	0.4
2707.0	10000	38.9834	95.8267	-441	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1787	51	0.4
2707.1	10000	38.9841	95.8267	-442	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1846	44	0.4
2707.2	10000	38.9847	95.8267	-442	PW	3.3	-1	9.8	-1	1.1	-1	0.337	1	2.124	-1	7.858	0	1889	44	0.4

LINE 1010 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
2707.3	10000	38.9854	95.8266	-442	PW	2.7	-1	8.9	-1	1.4	1	0.305	0	1.946	-1	6.373	-2	1946	62	0.4
2707.4	10000	38.9860	95.8266	-442	PW	2.8	0	8.7	-1	1.4	1	0.318	0	1.923	-1	6.056	-2	1988	49	0.4
2707.5	10000	38.9867	95.8266	-446	PW	3.0	0	8.8	-1	1.4	1	0.342	1	2.123	-1	6.205	-2	2029	48	0.4
2707.6	10000	38.9874	95.8266	-449	PW	3.2	0	8.6	-1	1.5	1	0.371	1	2.188	-1	5.905	-2	2051	50	0.4
2707.7	10000	38.9880	95.8266	-449	PW	3.0	0	9.6	0	1.5	2	0.311	0	2.025	-1	6.512	-2	2085	60	0.4
2707.8	10000	38.9887	95.8266	-450	PW	3.1	0	9.5	0	1.5	2	0.321	0	1.992	-1	6.197	-2	2115	51	0.4
2707.9	10000	38.9893	95.8266	-450	PW	3.4	1	9.6	0	1.6	2	0.351	1	2.159	-1	6.153	-2	2146	42	0.4
2708.0	10000	38.9900	95.8266	-451	PW	3.2	1	10.2	0	1.6	2	0.316	0	2.061	-1	6.522	-2	2169	44	0.4
2708.1	10000	38.9906	95.8266	-452	PW	3.3	1	10.4	1	1.6	2	0.322	0	2.126	-1	6.595	-2	2179	50	0.4
2708.2	10000	38.9913	95.8266	-453	PW	3.3	1	10.7	1	1.6	2	0.308	0	2.079	-1	6.747	-1	2181	43	0.4
2708.3	10000	38.9919	95.8266	-454	PW	3.2	1	10.9	1	1.6	2	0.298	0	2.073	-1	6.949	-1	2174	47	0.4
2708.4	10000	38.9926	95.8266	-456	PW	3.5	1	10.5	1	1.5	2	0.334	1	2.277	0	6.821	-1	2167	51	0.4
2708.5	10000	38.9932	95.8265	-457	PW	3.2	1	10.2	0	1.5	2	0.316	0	2.209	-1	6.983	-1	2132	50	0.4
2708.6	10000	38.9939	95.8265	-460	PW	2.9	0	9.9	0	1.4	1	0.294	0	2.032	-1	6.907	-1	2094	48	0.4
2708.7	10000	38.9945	95.8265	-463	PW	2.7	0	9.6	0	1.4	1	0.284	0	1.968	-1	6.940	-1	2053	47	0.4
2708.8	10000	38.9952	95.8265	-466	PW	2.5	-1	9.1	-1	1.4	1	0.275	-1	1.793	-1	6.507	-2	2002	48	0.4
2708.9	10000	38.9958	95.8265	-468	PW	2.4	-1	8.3	-2	1.4	1	0.290	0	1.724	-2	5.939	-2	1942	56	0.4
2709.0	10000	38.9965	95.8265	-472	PW	2.2	-2	8.2	-2	1.4	1	0.272	-1	1.638	-2	6.023	-2	1897	55	0.4
2709.1	10000	38.9971	95.8265	-475	PW	1.9	-2	8.1	-2	1.3	1	0.230	-1	1.395	-2	6.064	-2	1856	57	0.4
2709.2	10000	38.9978	95.8265	-477	PW	1.9	-2	8.0	-2	1.4	1	0.237	-1	1.399	-2	5.897	-2	1823	47	0.4
2709.3	10000	38.9984	95.8265	-481	PW	2.0	-2	7.9	-2	1.3	1	0.250	-1	1.472	-2	5.891	-2	1796	56	0.4
2709.4	10000	38.9991	95.8264	-485	PW	2.0	-2	7.7	-2	1.4	1	0.258	-1	1.456	-2	5.642	-3	1774	35	0.4
2709.5	10000	38.9997	95.8264	-489	PW	2.0	-2	8.0	-2	1.3	1	0.254	-1	1.513	-2	5.968	-2	1762	62	0.4

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1460.1	10000	38.0001	95.4948	-818	QAL	2.8	-1	9.5	0	0.8	-2	0.293	-1	3.307	1	11.294	2	1957	57	1.6
1460.0	10000	38.0007	95.4948	-817	QAL	2.9	0	9.8	0	0.8	-2	0.291	-1	3.369	1	11.593	3	1944	55	1.6
1459.9	10000	38.0013	95.4948	-815	QAL	2.9	0	9.5	0	0.9	-2	0.303	-1	3.364	1	11.106	2	1946	43	1.6
1459.8	10000	38.0019	95.4948	-814	QAL	2.8	-1	9.3	0	0.8	-2	0.301	-1	3.343	1	11.096	2	1928	50	1.6
1459.7	10000	38.0025	95.4948	-813	QAL	2.8	-1	9.3	0	0.8	-2	0.297	-1	3.388	1	11.424	3	1895	54	1.6
1459.6	10000	38.0031	95.4948	-811	QAL	2.8	-1	9.1	0	0.8	-2	0.302	-1	3.465	1	11.464	3	1881	54	1.6
1459.5	10000	38.0037	95.4948	-810	QAL	2.8	0	9.1	0	0.8	-2	0.313	0	3.537	2	11.315	2	1873	44	1.6
1459.4	10000	38.0043	95.4948	-809	QAL	3.1	0	8.7	0	0.8	-2	0.354	0	3.742	2	10.556	2	1871	53	1.6
1459.3	10000	38.0049	95.4948	-807	QAL	3.1	-1	8.1	0	0.8	-2	0.382	1	3.680	2	9.633	1	1887	42	1.6
1459.2	10000	38.0055	95.4947	-806	QAL	3.1	-1	8.6	0	0.9	-2	0.357	0	3.579	2	10.020	2	1894	63	1.6
1459.1	10000	38.0061	95.4947	-805	QAL	3.1	0	8.7	0	0.9	-2	0.359	0	3.621	2	10.082	2	1914	61	1.6
1459.0	10000	38.0067	95.4947	-804	QAL	3.1	-1	8.3	0	0.9	-1	0.380	1	3.598	2	9.464	1	1929	51	1.6
1458.9	10000	38.0073	95.4947	-803	QAL	3.2	-1	8.5	0	0.9	-1	0.375	1	3.668	2	9.778	1	1935	60	1.6
1458.8	10000	38.0079	95.4947	-802	QAL	3.1	0	8.8	0	0.9	-2	0.358	0	3.650	2	10.199	2	1944	46	1.6
1458.7	10000	38.0085	95.4947	-800	QAL	3.2	0	9.0	0	0.8	-2	0.356	0	3.817	2	10.708	2	1963	41	1.6
1458.6	10000	38.0091	95.4947	-799	QAL	3.0	0	9.3	0	0.9	-2	0.323	0	3.491	1	10.821	2	1972	47	1.6
1458.5	10000	38.0097	95.4946	-799	QAL	2.9	0	8.7	0	0.8	-2	0.334	0	3.484	1	10.429	2	1966	42	1.6
1458.4	10000	38.0103	95.4946	-798	QAL	3.2	0	9.0	0	0.9	-2	0.361	0	3.721	2	10.319	2	1983	37	1.6
1458.3	10000	38.0109	95.4946	-797	QAL	3.1	0	9.4	0	0.9	-2	0.328	0	3.555	2	10.830	2	2000	56	1.6
1458.2	10000	38.0115	95.4946	-797	QAL	3.1	0	9.4	0	0.9	-2	0.333	0	3.620	2	10.872	2	2013	44	1.6
1458.1	10000	38.0121	95.4946	-796	QAL	3.1	0	9.3	0	0.9	-1	0.336	0	3.591	2	10.685	2	2016	60	1.6
1458.0	10000	38.0127	95.4946	-796	QAL	3.0	0	9.3	0	0.9	-1	0.323	0	3.452	1	10.676	2	2023	53	1.6
1457.9	10000	38.0133	95.4946	-795	QAL	3.1	0	9.4	0	0.8	-2	0.328	0	3.639	2	11.096	2	2011	40	1.6
1457.8	10000	38.0139	95.4946	-794	QAL	3.1	0	9.6	0	0.8	-2	0.327	0	3.733	2	11.422	3	2004	46	1.6
1457.7	10000	38.0145	95.4946	-794	QAL	3.0	0	9.1	0	0.8	-2	0.323	0	3.783	2	11.714	3	1964	42	1.6
1457.6	10000	38.0151	95.4945	-793	QAL	3.1	0	9.1	0	0.8	-2	0.340	0	3.980	2	11.700	3	1932	46	1.6
1457.5	10000	38.0157	95.4945	-794	QAL	2.9	0	9.2	0	0.8	-2	0.317	0	3.659	2	11.542	3	1905	42	1.6
1457.4	10000	38.0163	95.4945	-793	QAL	3.0	0	9.0	0	0.8	-2	0.331	0	3.721	2	11.236	2	1892	45	1.6
1457.3	10000	38.0169	95.4945	-793	QAL	3.1	0	9.0	0	0.8	-2	0.349	0	4.065	2	11.652	3	1866	47	1.6
1457.2	10000	38.0175	95.4945	-793	QAL	3.1	0	9.0	0	0.8	-2	0.346	0	4.082	2	11.780	3	1854	45	1.6
1457.1	10000	38.0181	95.4945	-792	QAL	3.1	0	9.2	0	0.8	-2	0.346	0	4.190	2	12.101	3	1852	51	1.6
1457.0	10000	38.0187	95.4945	-792	QAL	3.1	0	9.2	0	0.8	-2	0.323	0	4.010	2	12.431	3	1865	41	1.7
1456.9	10000	38.0193	95.4945	-791	QAL	3.1	0	9.2	0	0.8	-2	0.319	0	3.823	2	11.991	3	1870	50	1.7
1456.8	10000	38.0199	95.4944	-790	QAL	3.1	0	9.2	0	0.8	-2	0.350	0	3.860	2	11.042	3	1879	47	1.7
1456.7	10000	38.0205	95.4944	-790	QAL	3.1	0	9.2	0	0.8	-2	0.352	0	4.066	2	11.550	3	1880	73	1.7
1456.6	10000	38.0211	95.4944	-789	QAL	3.1	0	9.2	0	0.8	-2	0.335	0	3.802	2	11.431	3	1863	39	1.7
1456.5	10000	38.0217	95.4944	-789	PLP	3.1	0	9.2	0	0.8	-2	0.347	0	4.167	2	12.009	3	1875	49	1.7
1456.4	10000	38.0223	95.4944	-787	PLP	3.1	0	9.2	0	0.8	-2	0.357	0	4.370	2	12.232	3	1878	50	1.7
1456.3	10000	38.0229	95.4944	-787	PLP	3.1	0	9.2	0	0.8	-2	0.356	0	4.083	2	12.478	3	1888	47	1.7
1456.2	10000	38.0235	95.4944	-786	PLP	3.1	0	9.2	0	0.8	-2	0.347	0	3.999	2	11.540	3	1893	42	1.7
1456.1	10000	38.0241	95.4944	-785	PLP	3.1	0	9.2	0	0.8	-2	0.342	0	4.140	2	12.109	3	1905	43	1.7
1456.0	10000	38.0247	95.4943	-784	PLP	3.1	0	9.2	0	0.8	-2	0.333	0	4.034	2	12.098	3	1918	57	1.7
1455.9	10000	38.0253	95.4943	-783	PLP	3.1	0	9.2	0	0.8	-2	0.362	0	4.395	2	12.125	3	1949	62	1.7
1455.8	10000	38.0259	95.4943	-783	PLP	3.1	0	9.2	0	0.8	-2	0.345	0	3.922	2	11.379	3	1950	36	1.7
1455.7	10000	38.0265	95.4943	-782	PLP	3.1	0	9.2	0	0.8	-2	0.349	0	4.032	2	11.992	3	1958	41	1.7
1455.6	10000	38.0271	95.4943	-782	PLP	3.1	0	9.2	0	0.8	-2	0.358	0	3.887	2	10.806	3	1972	45	1.7
1455.5	10000	38.0277	95.4943	-781	PLP	3.1	0	9.2	0	0.8	-2	0.369	0	3.911	2	10.445	3	1984	48	1.7
1455.4	10000	38.0283	95.4943	-780	QAL	3.1	0	9.2	0	0.8	-2	0.396	0	4.691	2	10.862	3	2009	59	1.7
1455.3	10000	38.0289	95.4943	-779	QAL	3.1	0	9.2	0	0.8	-2	0.369	0	4.435	2	10.397	3	2018	55	1.7
1455.2	10000	38.0295	95.4942	-778	QAL	3.1	0	9.2	0	0.8	-2	0.404	0	4.731	2	10.302	3	2032	48	1.7
1455.1	10000	38.0301	95.4942	-778	QAL	3.1	0	9.2	0	0.8	-2	0.379	0	4.384	2	9.938	3	2043	44	1.7
1455.0	10000	38.0307	95.4942	-777	QAL	3.1	0	9.2	0	0.8	-2	0.379	0	4.384	2	9.938	3	2066	40	1.7

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1454.9	10000	38.0313	95.4942	-776	QAL	3.3	0	9.2	0	1.0	-1	0.359	0	3.222	1	8.978	1	2087	47	1.7
1454.8	10000	38.0319	95.4942	-776	QAL	3.5	1	9.5	0	1.1	-1	0.371	1	3.282	1	8.844	1	2113	49	1.7
1454.7	10000	38.0325	95.4942	-775	QAL	3.2	0	9.5	0	1.1	-1	0.335	0	2.993	1	8.943	1	2104	48	1.7
1454.6	10000	38.0331	95.4942	-775	QAL	3.3	0	9.7	0	1.1	-1	0.337	0	3.064	1	9.104	1	2118	56	1.7
1454.5	10000	38.0337	95.4942	-773	QAL	3.0	0	9.8	0	1.1	-1	0.303	-1	2.790	0	9.218	1	2119	51	1.7
1454.4	10000	38.0343	95.4942	-772	QAL	2.7	-1	9.9	1	1.1	-1	0.275	-1	2.600	0	9.440	1	2124	44	1.7
1454.3	10000	38.0349	95.4941	-771	QAL	3.0	0	10.2	1	1.0	-1	0.290	-1	2.926	1	10.081	2	2124	45	1.8
1454.2	10000	38.0355	95.4941	-769	PLP	2.9	-1	10.2	1	1.0	-1	0.284	-1	3.026	0	10.657	2	2115	40	1.8
1454.1	10000	38.0361	95.4941	-767	PLP	2.9	-1	10.2	1	0.9	-1	0.281	-1	3.029	0	10.793	2	2121	43	1.8
1454.0	10000	38.0367	95.4941	-765	PLP	3.1	0	10.8	1	1.0	-1	0.286	-1	3.148	0	11.008	2	2125	42	1.8
1453.9	10000	38.0373	95.4941	-762	PLP	2.9	-1	11.0	1	1.0	-1	0.266	-1	2.951	0	11.108	2	2127	42	1.8
1453.8	10000	38.0379	95.4941	-759	PLP	3.1	0	10.7	1	1.0	-1	0.294	-1	3.019	0	10.266	1	2139	43	1.8
1453.7	10000	38.0385	95.4941	-757	PLP	3.0	-1	10.7	1	1.1	0	0.276	-1	2.701	0	9.770	1	2161	46	1.8
1453.6	10000	38.0391	95.4940	-754	PLP	2.8	-1	10.3	1	1.2	0	0.275	-1	2.381	-1	8.655	0	2180	47	1.8
1453.5	10000	38.0397	95.4940	-750	PLP	2.9	-1	10.4	1	1.2	0	0.277	-1	2.333	-1	8.418	0	2200	57	1.8
1453.4	10000	38.0403	95.4940	-747	PLP	3.0	0	10.4	1	1.2	0	0.288	-1	2.436	-1	8.472	0	2195	58	1.8
1453.3	10000	38.0409	95.4940	-743	PLP	2.8	-1	10.4	1	1.2	0	0.268	-1	2.319	-1	8.661	0	2216	48	1.8
1453.2	10000	38.0415	95.4940	-740	PLP	2.9	-1	10.5	1	1.2	0	0.273	-1	2.401	-1	8.799	0	2209	75	1.8
1453.1	10000	38.0421	95.4940	-736	PLP	2.7	-1	10.5	1	1.2	0	0.257	-1	2.276	-1	8.867	0	2206	46	1.8
1453.0	10000	38.0427	95.4940	-732	PLP	3.0	0	10.8	1	1.2	0	0.278	-1	2.533	-1	9.119	0	2228	54	1.8
1452.9	10000	38.0433	95.4940	-728	PLP	3.1	0	11.0	1	1.1	0	0.278	-1	2.673	0	9.608	1	2233	44	1.8
1452.8	10000	38.0439	95.4940	-723	PLP	3.0	0	10.7	1	1.2	0	0.284	-1	2.569	0	9.043	0	2233	46	1.8
1452.7	10000	38.0445	95.4939	-720	PLP	3.1	0	10.4	1	1.2	0	0.292	-1	2.568	0	8.788	0	2245	55	1.8
1452.6	10000	38.0451	95.4939	-716	PLP	3.3	0	10.1	1	1.2	0	0.330	0	2.897	0	8.774	0	2236	53	1.8
1452.5	10000	38.0457	95.4939	-712	PLP	3.5	1	10.3	1	1.2	0	0.340	0	3.019	0	8.877	0	2256	59	1.8
1452.4	10000	38.0463	95.4939	-710	PLP	3.7	1	10.5	1	1.1	0	0.355	0	3.386	1	9.552	1	2248	55	1.8
1452.3	10000	38.0469	95.4939	-707	PLP	3.5	1	10.7	1	1.0	-1	0.352	0	3.361	1	9.546	1	2220	54	1.8
1452.2	10000	38.0475	95.4939	-704	PLP	3.3	0	9.7	0	1.0	-1	0.337	0	3.315	1	9.825	1	2170	43	1.8
1452.1	10000	38.0481	95.4939	-702	PLP	3.4	0	9.2	0	0.9	-2	0.374	1	3.985	2	10.653	2	2122	45	1.8
1452.0	10000	38.0487	95.4939	-701	PLP	3.4	0	9.1	0	0.8	-2	0.374	1	4.182	2	11.175	2	2073	37	1.8
1451.9	10000	38.0493	95.4939	-699	PLP	3.4	0	9.2	0	0.8	-2	0.365	1	4.290	2	11.759	3	2034	41	1.8
1451.8	10000	38.0499	95.4938	-698	PLP	3.3	0	9.3	0	0.8	-2	0.413	1	4.446	2	10.756	2	1976	39	1.8
1451.7	10000	38.0505	95.4938	-697	PLP	3.2	0	9.8	0	0.8	-2	0.410	1	4.047	2	9.878	2	1954	50	1.8
1451.6	10000	38.0511	95.4938	-696	PLP	3.0	0	9.8	0	0.8	-2	0.433	1	4.141	2	9.554	2	1939	48	1.8
1451.5	10000	38.0517	95.4938	-695	PLP	3.0	0	9.8	0	0.8	-2	0.431	1	4.193	2	9.733	2	1947	42	1.8
1451.4	10000	38.0523	95.4938	-695	PLP	3.0	0	9.8	0	0.8	-2	0.416	1	4.045	2	9.727	2	1952	43	1.7
1451.3	10000	38.0529	95.4938	-694	PLP	3.0	0	9.8	0	0.8	-2	0.357	1	3.566	2	9.976	2	1958	42	1.7
1451.2	10000	38.0535	95.4938	-694	PLP	3.0	0	9.8	0	0.8	-2	0.356	1	3.240	2	9.111	1	1974	47	1.7
1451.1	10000	38.0541	95.4937	-694	PLP	3.0	0	9.8	0	0.8	-2	0.349	1	3.348	2	9.582	1	1985	53	1.7
1451.0	10000	38.0547	95.4937	-693	PLP	3.0	0	9.8	0	0.8	-2	0.354	1	3.438	2	9.718	1	1984	53	1.7
1450.9	10000	38.0553	95.4937	-693	PLP	3.0	0	9.8	0	0.8	-2	0.353	1	3.474	2	9.841	1	1973	56	1.7
1450.8	10000	38.0559	95.4937	-692	PLP	3.0	0	9.8	0	0.8	-2	0.357	1	3.335	2	9.345	1	1986	49	1.7
1450.7	10000	38.0565	95.4937	-691	PLP	3.0	0	9.8	0	0.8	-2	0.344	1	3.140	2	9.140	1	1985	49	1.7
1450.6	10000	38.0571	95.4937	-691	PLP	3.0	0	9.8	0	0.8	-2	0.360	1	3.135	2	8.713	1	2004	33	1.7
1450.5	10000	38.0577	95.4937	-690	PLP	3.0	0	9.8	0	0.8	-2	0.365	1	3.163	2	8.672	1	2018	36	1.7
1450.4	10000	38.0583	95.4937	-689	PLP	3.0	0	9.8	0	0.8	-2	0.323	1	2.702	2	8.369	1	2044	41	1.7
1450.3	10000	38.0589	95.4937	-688	PLP	3.0	0	9.8	0	0.8	-2	0.316	1	2.730	2	8.630	1	2057	37	1.7
1450.2	10000	38.0595	95.4936	-687	PLP	3.0	0	9.8	0	0.8	-2	0.333	1	2.763	2	8.301	1	2062	48	1.7
1450.1	10000	38.0601	95.4936	-686	PLP	3.0	0	9.8	0	0.8	-2	0.326	1	2.829	2	8.677	1	2039	52	1.7
1450.0	10000	38.0607	95.4936	-686	PLP	3.0	0	9.8	0	0.8	-2	0.329	1	2.816	2	8.562	1	2040	47	1.7
1449.9	10000	38.0613	95.4936	-684	PLP	3.0	0	9.8	0	0.8	-2	0.327	1	2.898	2	8.855	1	2024	43	1.7
1449.8	10000	38.0619	95.4936	-682	PLP	3.0	0	9.8	0	0.8	-2	0.338	1	3.083	2	9.124	1	2012	40	1.7

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1449.7	10000	38.0625	95.4936	-681	PLP	3.1	0	8.6	-1	0.9	-1	0.358	0	3.242	1	9.048	0	1998	51	1.7
1449.6	10000	38.0631	95.4936	-679	PLP	3.0	0	8.7	-1	1.0	-1	0.345	0	3.109	0	9.023	0	2000	38	1.7
1449.5	10000	38.0637	95.4935	-677	PLP	3.0	0	8.9	-1	1.0	-1	0.338	0	3.159	0	9.347	1	2013	51	1.7
1449.4	10000	38.0643	95.4935	-674	PLP	3.1	0	9.2	0	1.0	-1	0.335	0	3.156	0	9.431	1	2031	46	1.7
1449.3	10000	38.0649	95.4935	-672	PLP	3.0	0	9.9	0	1.0	-1	0.305	-1	2.973	0	9.747	1	2039	50	1.7
1449.2	10000	38.0655	95.4935	-670	PLP	3.1	0	10.2	1	1.0	-1	0.303	-1	3.042	0	10.047	1	2050	50	1.7
1449.1	10000	38.0661	95.4935	-667	PLP	3.0	0	10.1	0	1.0	-1	0.295	-1	2.981	0	10.121	1	2052	45	1.7
1449.0	10000	38.0667	95.4935	-664	PLP	3.0	0	10.6	1	1.0	-1	0.285	-1	3.053	0	10.713	2	2062	43	1.7
1448.9	10000	38.0673	95.4935	-661	PD	3.2	0	10.5	1	1.0	-1	0.301	-1	3.215	0	10.686	1	2071	49	1.7
1448.8	10000	38.0679	95.4935	-658	PD	3.0	0	10.9	1	1.0	-1	0.281	-1	3.079	0	10.977	1	2074	51	1.6
1448.7	10000	38.0685	95.4935	-656	PD	3.2	0	10.4	1	1.0	-1	0.307	0	3.306	1	10.781	1	2070	51	1.6
1448.6	10000	38.0691	95.4934	-653	PD	3.5	1	10.0	0	1.0	-1	0.351	0	3.563	1	10.142	1	2086	42	1.6
1448.5	10000	38.0697	95.4934	-649	PD	3.6	1	9.8	0	1.0	0	0.367	1	3.467	1	9.458	0	2088	49	1.6
1448.4	10000	38.0703	95.4934	-646	PD	3.5	1	10.0	0	1.0	0	0.354	0	3.377	1	9.543	0	2094	69	1.6
1448.3	10000	38.0709	95.4934	-643	PD	3.5	1	9.9	0	1.0	0	0.356	0	3.465	1	9.721	1	2098	38	1.6
1448.2	10000	38.0715	95.4934	-639	PD	3.6	1	10.2	0	1.0	0	0.354	0	3.449	1	9.752	1	2102	31	1.6
1448.1	10000	38.0721	95.4934	-635	PD	3.8	1	9.6	0	1.0	-1	0.395	1	3.833	1	9.711	1	2110	49	1.6
1448.0	10000	38.0727	95.4934	-632	PD	3.7	1	10.1	0	1.0	-1	0.370	1	3.693	1	9.989	1	2133	43	1.6
1447.9	10000	38.0733	95.4934	-628	PD	3.6	1	10.4	1	0.9	-1	0.342	0	3.837	1	11.210	2	2134	46	1.6
1447.8	10000	38.0739	95.4933	-623	PD	3.7	1	10.7	1	0.9	-1	0.337	0	4.030	2	11.972	2	2157	57	1.6
1447.7	10000	38.0745	95.4933	-620	PD	3.7	1	10.8	1	0.9	-1	0.339	0	4.187	2	12.345	2	2173	53	1.6
1447.6	10000	38.0751	95.4933	-615	PD	3.5	1	10.7	1	0.9	-1	0.328	0	3.761	1	11.470	2	2197	49	1.6
1447.5	10000	38.0757	95.4933	-611	PD	3.7	1	10.6	1	0.9	-1	0.347	0	3.959	2	11.414	2	2214	54	1.6
1447.4	10000	38.0763	95.4933	-607	PD	3.5	1	11.4	1	0.9	-1	0.306	0	3.763	1	12.277	2	2222	47	1.6
1447.3	10000	38.0769	95.4933	-602	PD	3.5	1	11.2	1	1.0	-1	0.316	0	3.676	1	11.638	2	2243	58	1.6
1447.2	10000	38.0775	95.4933	-599	PD	3.6	1	11.6	2	1.0	-1	0.322	0	3.550	1	11.030	1	2272	45	1.6
1447.1	10000	38.0781	95.4933	-595	PD	3.9	1	10.2	2	1.0	-1	0.362	0	3.906	1	10.783	1	2270	43	1.6
1447.0	10000	38.0787	95.4932	-592	PD	3.8	1	10.2	2	1.0	-1	0.382	0	3.821	1	10.014	1	2275	47	1.6
1446.9	10000	38.0793	95.4932	-588	PD	4.0	1	10.2	2	1.0	-1	0.401	0	4.085	1	10.186	1	2268	48	1.6
1446.8	10000	38.0799	95.4932	-585	PD	3.9	1	10.4	1	1.0	-1	0.376	0	3.946	1	10.499	1	2273	34	1.6
1446.7	10000	38.0805	95.4932	-582	PD	3.7	1	10.3	2	1.0	-1	0.383	0	3.757	1	9.820	1	2259	39	1.6
1446.6	10000	38.0811	95.4932	-579	PD	3.8	1	10.2	2	1.0	-1	0.383	0	3.886	1	10.135	1	2247	39	1.5
1446.5	10000	38.0817	95.4932	-576	PD	3.7	1	10.0	2	1.0	-1	0.385	0	3.700	1	9.618	1	2223	51	1.5
1446.4	10000	38.0824	95.4932	-574	PD	3.8	1	9.9	2	1.0	-1	0.352	0	3.386	1	9.612	1	2230	43	1.5
1446.3	10000	38.0830	95.4932	-571	PD	3.9	1	9.9	2	1.0	-1	0.310	0	3.178	1	9.255	1	2227	44	1.5
1446.2	10000	38.0836	95.4932	-569	PD	3.9	1	9.8	2	1.0	-1	0.303	0	3.138	1	9.360	1	2214	63	1.5
1446.1	10000	38.0842	95.4932	-566	PD	3.9	1	9.6	2	1.0	-1	0.316	0	3.184	1	9.455	1	2166	47	1.5
1446.0	10000	38.0848	95.4932	-564	PD	3.9	1	9.6	2	1.0	-1	0.331	0	3.185	1	9.623	1	2142	46	1.5
1445.9	10000	38.0854	95.4932	-561	PD	3.9	1	9.5	2	1.0	-1	0.328	0	3.061	1	9.327	1	2113	54	1.5
1445.8	10000	38.0860	95.4932	-559	PD	3.9	1	9.6	2	1.0	-1	0.309	0	2.988	1	9.665	1	2075	49	1.5
1445.7	10000	38.0866	95.4932	-556	PD	3.9	1	9.6	2	1.0	-1	0.280	0	2.694	1	9.606	1	2023	41	1.5
1445.6	10000	38.0873	95.4932	-554	PD	3.9	1	9.6	2	1.0	-1	0.310	0	2.838	1	9.152	1	1969	51	1.5
1445.5	10000	38.0879	95.4932	-551	PD	3.9	1	9.6	2	1.0	-1	0.286	0	2.678	1	9.360	1	1936	51	1.5
1445.4	10000	38.0885	95.4932	-548	PD	3.9	1	9.6	2	1.0	-1	0.311	0	2.917	1	9.216	1	1937	50	1.5
1445.3	10000	38.0891	95.4932	-545	PD	3.9	1	9.6	2	1.0	-1	0.318	0	2.988	1	9.695	1	1930	48	1.5
1445.2	10000	38.0897	95.4932	-542	PD	3.9	1	9.6	2	1.0	-1	0.331	0	3.101	1	9.049	1	1913	42	1.5
1445.1	10000	38.0903	95.4932	-539	PD	3.9	1	9.6	2	1.0	-1	0.351	0	3.270	1	9.682	1	1914	52	1.5
1445.0	10000	38.0909	95.4932	-536	PD	3.9	1	9.6	2	1.0	-1	0.362	0	3.401	1	9.307	1	1924	56	1.5
1444.9	10000	38.0915	95.4932	-533	PD	3.9	1	9.6	2	1.0	-1	0.358	0	3.358	1	9.690	1	1952	47	1.5
1444.8	10000	38.0921	95.4932	-531	PD	3.9	1	9.6	2	1.0	-1	0.362	0	3.401	1	9.778	1	1961	43	1.5
1444.7	10000	38.0928	95.4932	-528	PD	3.9	1	9.6	2	1.0	-1	0.358	0	3.358	1	9.645	1	1958	68	1.5
1444.6	10000	38.0934	95.4932	-525	PD	3.9	1	9.6	2	1.0	-1	0.358	0	3.358	1	9.985	1	1954	49	1.5

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1444.5	10000	38.0940	95.4932	-523	PD	3.0	0	8.8	-1	0.9	-1	0.343	0	3.197	0	9.328	0	1944	37	1.5
1444.4	10000	38.0946	95.4932	-521	PD	3.1	0	8.9	-1	0.9	-1	0.343	0	3.382	1	9.864	1	1934	60	1.5
1444.3	10000	38.0952	95.4932	-519	PD	3.2	0	8.9	-1	0.9	-1	0.357	0	3.663	1	10.267	1	1918	45	1.5
1444.2	10000	38.0958	95.4932	-517	PD	3.1	0	8.3	-1	0.8	-2	0.376	1	3.842	1	10.212	1	1889	44	1.5
1444.1	10000	38.0964	95.4932	-515	PD	3.0	0	8.5	-1	0.8	-2	0.357	0	3.931	2	11.026	1	1868	47	1.5
1444.0	10000	38.0970	95.4932	-513	PD	3.1	0	8.7	-1	0.8	-2	0.354	0	4.016	2	11.339	2	1860	53	1.5
1443.9	10000	38.0977	95.4932	-511	PD	3.0	0	8.4	-1	0.8	-2	0.354	0	3.851	1	10.884	1	1866	69	1.5
1443.8	10000	38.0983	95.4932	-509	PD	3.0	0	8.3	-1	0.8	-2	0.365	1	3.667	1	10.058	1	1867	50	1.5
1443.7	10000	38.0989	95.4932	-507	PD	3.1	0	8.5	-1	0.8	-2	0.360	1	3.751	1	10.407	1	1876	46	1.5
1443.6	10000	38.0995	95.4932	-504	PD	2.9	-1	8.8	-1	0.8	-2	0.329	0	3.509	1	10.680	1	1875	53	1.6
1443.5	10000	38.1001	95.4932	-502	PD	3.0	0	9.0	-1	0.9	-1	0.331	0	3.363	1	10.169	1	1895	46	1.6
1443.4	10000	38.1007	95.4932	-500	PD	2.8	-1	9.1	0	0.9	-1	0.308	0	3.059	0	9.945	1	1921	46	1.6
1443.3	10000	38.1013	95.4932	-498	PD	2.8	-1	9.1	0	0.9	-1	0.313	0	3.109	0	9.919	1	1930	39	1.6
1443.2	10000	38.1019	95.4932	-496	PD	3.0	0	9.2	0	0.9	-1	0.323	0	3.302	1	10.230	1	1935	47	1.6
1443.1	10000	38.1025	95.4932	-493	PD	3.0	0	9.2	0	0.9	-1	0.326	0	3.215	0	9.869	1	1958	39	1.6
1443.0	10000	38.1032	95.4932	-490	PD	3.0	0	9.2	0	1.0	-1	0.322	0	3.052	0	9.477	0	1974	45	1.6
1442.9	10000	38.1038	95.4932	-488	PD	3.2	0	9.1	0	0.9	-1	0.346	1	3.376	1	9.756	1	1997	46	1.6
1442.8	10000	38.1044	95.4932	-486	PD	3.4	1	9.3	0	0.9	-1	0.367	1	3.818	1	10.409	1	2015	36	1.6
1442.7	10000	38.1050	95.4932	-484	PD	3.4	1	9.7	0	0.9	-1	0.354	0	4.027	2	11.386	2	2019	52	1.6
1442.6	10000	38.1056	95.4932	-482	PD	3.3	1	9.8	0	0.9	-1	0.336	0	3.777	1	11.245	2	2011	43	1.6
1442.5	10000	38.1062	95.4932	-480	PD	3.1	0	9.9	0	0.9	-1	0.312	0	3.634	1	11.633	2	2012	52	1.6
1442.4	10000	38.1068	95.4932	-478	PD	3.0	0	10.2	0	0.8	-2	0.293	-1	3.618	1	12.365	2	2007	40	1.6
1442.3	10000	38.1075	95.4932	-476	PD	3.2	0	10.2	0	0.8	-2	0.311	0	3.823	1	12.292	2	1998	52	1.6
1442.2	10000	38.1081	95.4933	-475	PD	3.0	0	10.1	0	0.8	-1	0.293	-1	3.507	1	11.979	2	1990	45	1.6
1442.1	10000	38.1087	95.4933	-473	PD	2.5	-1	10.0	0	0.8	-2	0.254	-1	3.047	0	12.009	2	1979	38	1.6
1442.0	10000	38.1093	95.4933	-472	PD	2.9	-1	9.9	0	0.9	-1	0.291	-1	3.310	1	11.354	2	1989	47	1.6
1441.9	10000	38.1099	95.4933	-471	PD	3.0	0	9.6	0	0.9	-1	0.311	0	3.310	1	10.648	1	2014	53	1.6
1441.8	10000	38.1105	95.4933	-470	PD	3.1	0	9.7	0	0.9	-1	0.324	0	3.312	1	10.225	1	2024	51	1.6
1441.7	10000	38.1111	95.4933	-469	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1441.6	10000	38.1117	95.4933	-469	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1441.5	10000	38.1123	95.4933	-468	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1441.4	10000	38.1130	95.4933	-469	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1441.3	10000	38.1136	95.4933	-468	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1441.2	10000	38.1142	95.4933	-469	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1441.1	10000	38.1148	95.4933	-469	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1441.0	10000	38.1154	95.4933	-470	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1440.9	10000	38.1160	95.4933	-472	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1440.8	10000	38.1166	95.4933	-474	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1440.7	10000	38.1172	95.4933	-475	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1440.6	10000	38.1179	95.4933	-477	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1440.5	10000	38.1185	95.4933	-479	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1440.4	10000	38.1191	95.4933	-482	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1440.3	10000	38.1197	95.4933	-484	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1440.2	10000	38.1203	95.4933	-488	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1440.1	10000	38.1209	95.4933	-491	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1440.0	10000	38.1215	95.4933	-495	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1439.9	10000	38.1221	95.4933	-500	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1439.8	10000	38.1228	95.4933	-504	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1439.7	10000	38.1234	95.4933	-509	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1439.6	10000	38.1240	95.4933	-514	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1439.5	10000	38.1246	95.4933	-519	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6
1439.4	10000	38.1252	95.4933	-525	PD	3.2	0	9.7	0	0.9	-1	0.337	0	3.341	1	9.907	1	2041	64	1.6

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1439.3	10000	38.1258	95.4933	-532	PD	3.5	1	10.3	1	1.1	0	0.341	0	3.332	1	9.770	1	2202	51	1.6
1439.2	10000	38.1264	95.4933	-539	PD	3.2	0	10.1	0	1.1	0	0.312	0	2.980	0	9.548	0	2178	49	1.6
1439.1	10000	38.1270	95.4933	-546	PD	3.1	0	10.4	1	1.1	0	0.303	-1	2.935	0	9.683	1	2173	56	1.6
1439.0	10000	38.1277	95.4933	-553	PD	2.9	-1	10.7	1	1.1	0	0.272	-1	2.697	0	9.914	1	2163	57	1.6
1438.9	10000	38.1283	95.4933	-561	PD	2.7	-1	11.0	1	1.0	-1	0.242	-2	2.635	-1	10.882	1	2127	44	1.6
1438.8	10000	38.1289	95.4933	-569	PD	2.6	-1	11.0	1	1.0	-1	0.235	-2	2.695	0	11.467	2	2106	51	1.6
1438.7	10000	38.1295	95.4933	-577	PD	2.5	-1	10.7	1	1.0	-1	0.233	-2	2.529	-1	10.873	1	2084	53	1.6
1438.6	10000	38.1301	95.4933	-585	PD	2.2	-2	10.7	1	1.0	-1	0.206	-2	2.182	-1	10.590	1	2073	48	1.6
1438.5	10000	38.1307	95.4933	-593	PD	2.4	-2	10.4	1	1.0	-1	0.234	-2	2.432	-1	10.378	1	2061	44	1.6
1438.4	10000	38.1313	95.4933	-601	PD	2.6	-1	10.2	0	1.0	0	0.256	-1	2.534	-1	9.883	1	2042	44	1.6
1438.3	10000	38.1319	95.4933	-609	PD	2.9	-1	9.8	0	1.0	-1	0.291	-1	2.908	0	10.002	1	2023	52	1.6
1438.2	10000	38.1325	95.4933	-616	PD	2.6	-1	9.6	0	1.0	-1	0.274	-1	2.654	-1	9.677	1	2006	50	1.6
1438.1	10000	38.1332	95.4933	-624	PD	2.6	-1	9.7	0	1.0	-1	0.271	-1	2.663	0	9.828	1	1994	49	1.6
1438.0	10000	38.1338	95.4933	-631	PD	2.6	-1	9.8	0	0.9	-1	0.265	-1	2.736	0	10.334	1	1989	55	1.6
1437.9	10000	38.1344	95.4933	-638	PD	2.8	-1	9.8	0	0.9	-1	0.289	-1	3.031	0	10.486	1	1977	36	1.6
1437.8	10000	38.1350	95.4933	-643	PD	2.8	-1	10.0	0	0.9	-1	0.279	-1	3.054	0	10.932	1	1970	45	1.6
1437.7	10000	38.1356	95.4933	-649	PD	2.6	-1	9.6	0	0.9	-1	0.270	-1	2.928	0	10.850	1	1970	48	1.6
1437.6	10000	38.1362	95.4933	-654	PD	2.7	-1	9.9	0	0.9	-1	0.271	-1	2.930	0	10.818	1	1970	31	1.6
1437.5	10000	38.1368	95.4933	-659	PD	2.7	-1	9.6	0	0.9	-1	0.284	-1	3.041	0	10.719	1	1965	58	1.6
1437.4	10000	38.1375	95.4933	-663	PD	2.7	-1	9.0	-1	0.9	-1	0.298	-1	2.924	0	9.826	1	1954	49	1.6
1437.3	10000	38.1381	95.4933	-667	PD	2.9	-1	9.0	-1	0.9	-1	0.318	0	3.121	0	9.814	1	1949	53	1.6
1437.2	10000	38.1387	95.4933	-670	PD	2.8	-1	8.9	-1	0.9	-1	0.312	0	3.096	0	9.913	1	1929	52	1.6
1437.1	10000	38.1393	95.4933	-673	PD	2.7	-1	8.9	-1	0.9	-1	0.304	-1	3.072	0	10.105	1	1926	44	1.6
1437.0	10000	38.1399	95.4933	-675	PD	2.8	-1	9.3	0	0.9	-1	0.306	0	3.235	0	10.563	1	1934	57	1.6
1436.9	10000	38.1405	95.4933	-677	PD	2.8	-1	9.5	0	0.9	-1	0.292	-1	2.937	0	10.060	1	1956	44	1.6
1436.8	10000	38.1411	95.4933	-679	PD	3.0	0	9.9	0	1.0	-1	0.302	-1	3.080	0	10.186	1	1992	51	1.6
1436.7	10000	38.1417	95.4933	-680	PD	3.2	0	10.6	1	1.0	-1	0.306	0	3.430	1	11.219	2	2045	41	1.6
1436.6	10000	38.1423	95.4933	-682	PD	3.1	0	10.5	1	1.0	-1	0.296	-1	3.248	0	10.957	1	2065	45	1.6
1436.5	10000	38.1430	95.4933	-682	PD	3.2	0	10.7	1	1.0	-1	0.297	-1	3.235	0	10.888	1	2101	41	1.6
1436.4	10000	38.1436	95.4933	-683	PD	3.2	0	10.7	1	1.0	-1	0.301	-1	3.302	1	10.967	1	2132	59	1.5
1436.3	10000	38.1442	95.4933	-684	PD	3.4	0	10.6	1	1.0	-1	0.316	0	3.392	1	10.723	1	2137	38	1.5
1436.2	10000	38.1448	95.4933	-684	PD	3.5	0	10.6	1	1.0	-1	0.326	0	3.686	1	11.296	2	2133	45	1.5
1436.1	10000	38.1454	95.4933	-684	PD	3.5	0	10.5	1	1.0	-1	0.345	0	3.692	1	10.690	1	2117	54	1.5
1436.0	10000	38.1460	95.4933	-685	PD	3.4	0	10.5	1	1.0	-1	0.331	0	3.394	1	10.240	1	2097	39	1.5
1435.9	10000	38.1466	95.4933	-685	PD	3.5	0	10.5	1	1.0	-1	0.311	0	3.436	1	11.048	2	2096	56	1.5
1435.8	10000	38.1472	95.4933	-684	PD	3.2	0	10.1	1	1.0	-1	0.313	0	3.290	1	10.511	1	2087	52	1.5
1435.7	10000	38.1479	95.4933	-684	PD	3.0	0	9.8	1	1.0	-1	0.306	0	3.000	1	9.813	1	2066	46	1.5
1435.6	10000	38.1485	95.4933	-683	PD	2.6	-1	9.4	0	1.0	-1	0.270	-1	2.614	-1	9.694	1	2043	54	1.5
1435.5	10000	38.1491	95.4933	-683	PD	2.9	-1	9.8	0	1.0	-1	0.258	-1	2.357	-1	9.124	1	2026	60	1.5
1435.4	10000	38.1497	95.4933	-682	PD	2.8	-1	9.6	0	1.0	-1	0.228	-1	2.121	-1	9.295	1	2020	58	1.5
1435.3	10000	38.1503	95.4933	-682	PD	2.8	-1	9.8	0	0.9	-1	0.218	-1	2.113	-1	9.698	1	2002	43	1.5
1435.2	10000	38.1509	95.4933	-681	PD	2.8	-1	9.8	0	0.9	-1	0.214	-1	2.047	-2	9.404	1	1981	44	1.5
1435.1	10000	38.1515	95.4934	-680	PD	2.9	-1	9.9	0	0.9	-1	0.243	-1	2.145	-1	10.022	1	1971	34	1.5
1435.0	10000	38.1521	95.4934	-680	PD	2.9	-1	10.0	0	0.9	-1	0.264	-1	2.528	-1	10.412	1	1971	64	1.5
1434.9	10000	38.1527	95.4934	-679	PD	2.9	-1	10.0	0	0.9	-1	0.296	-1	2.892	-1	10.965	1	1989	47	1.5
1434.8	10000	38.1534	95.4934	-678	PD	2.9	-1	10.0	0	0.9	-1	0.306	-1	2.925	-1	11.563	2	2005	35	1.5
1434.7	10000	38.1540	95.4934	-677	PD	2.9	-1	10.0	0	0.9	-1	0.324	-1	2.923	-1	11.527	2	2013	47	1.5
1434.6	10000	38.1546	95.4934	-677	PD	2.9	-1	10.0	0	0.9	-1	0.318	-1	2.921	-1	11.162	2	2018	44	1.5
1434.5	10000	38.1552	95.4934	-676	PD	2.9	-1	10.0	0	0.9	-1	0.324	-1	2.921	-1	11.667	2	2028	53	1.5
1434.4	10000	38.1558	95.4934	-676	PD	2.9	-1	10.0	0	0.9	-1	0.318	-1	2.921	-1	11.876	2	2040	46	1.5
1434.3	10000	38.1564	95.4934	-675	PD	2.9	-1	10.1	0	0.9	-1	0.324	-1	2.921	-1	12.330	2	2039	54	1.5
1434.2	10000	38.1570	95.4934	-674	PD	3.1	0	10.3	0	0.9	-1	0.298	-1	2.784	-1	11.222	2	2052	50	1.5

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1434.1	10000	38.1577	95.4934	-673	PD	2.5	-1	10.5	1	1.0	-1	0.241	-2	2.666	0	11.071	1	2060	52	1.5
1434.0	10000	38.1583	95.4934	-673	PD	2.6	-1	10.5	1	1.0	-1	0.244	-2	2.597	-1	10.647	1	2074	56	1.5
1433.9	10000	38.1589	95.4934	-671	PD	2.5	-1	10.8	1	1.0	-1	0.236	-2	2.532	-1	10.738	1	2100	47	1.5
1433.8	10000	38.1595	95.4934	-670	PD	2.6	-1	11.1	1	1.0	0	0.235	-2	2.505	-1	10.645	1	2112	50	1.5
1433.7	10000	38.1601	95.4934	-670	PD	2.6	-1	11.3	1	1.1	0	0.233	-2	2.407	-1	10.349	1	2134	40	1.5
1433.6	10000	38.1607	95.4934	-669	PD	3.0	0	11.0	1	1.1	0	0.270	-1	2.629	-1	9.745	1	2165	54	1.5
1433.5	10000	38.1613	95.4934	-668	PD	2.8	-1	10.9	1	1.1	0	0.253	-1	2.521	-1	9.976	1	2173	49	1.5
1433.4	10000	38.1619	95.4934	-667	PD	2.9	-1	10.8	1	1.1	0	0.263	-1	2.609	-1	9.902	1	2178	51	1.5
1433.3	10000	38.1625	95.4934	-666	PD	2.9	0	11.0	1	1.1	0	0.269	-1	2.672	0	9.952	1	2187	44	1.5
1433.2	10000	38.1632	95.4934	-666	PD	2.9	-1	10.9	1	1.1	0	0.267	-1	2.619	-1	9.814	1	2190	50	1.5
1433.1	10000	38.1638	95.4934	-665	PD	3.2	0	9.9	0	1.1	0	0.319	0	2.797	0	8.779	0	2198	45	1.5
1433.0	10000	38.1644	95.4934	-664	PD	3.2	0	9.8	0	1.1	0	0.328	0	2.851	0	8.692	0	2177	51	1.5
1432.9	10000	38.1650	95.4934	-663	PD	2.9	-1	10.2	1	1.1	0	0.287	-1	2.608	-1	9.086	0	2159	41	1.6
1432.8	10000	38.1656	95.4934	-663	PD	3.0	0	9.8	0	1.2	0	0.311	0	2.644	-1	8.509	0	2154	56	1.6
1432.7	10000	38.1662	95.4934	-662	PD	3.2	0	9.9	0	1.1	0	0.325	0	2.897	0	8.925	0	2146	55	1.6
1432.6	10000	38.1668	95.4934	-661	PD	3.1	0	9.9	0	1.1	0	0.309	0	2.854	0	9.246	0	2140	54	1.6
1432.5	10000	38.1674	95.4934	-660	PD	3.0	0	10.0	0	1.1	0	0.301	-1	2.782	0	9.231	0	2118	55	1.6
1432.4	10000	38.1681	95.4934	-660	PD	2.8	-1	10.7	1	1.0	0	0.263	-1	2.710	0	10.294	1	2107	48	1.6
1432.3	10000	38.1687	95.4934	-660	PD	2.9	-1	10.8	1	1.0	0	0.264	-1	2.817	0	10.669	1	2111	48	1.6
1432.2	10000	38.1693	95.4934	-659	PD	2.8	-1	10.4	1	1.0	0	0.264	-1	2.696	0	10.197	1	2098	52	1.6
1432.1	10000	38.1700	95.4934	-659	PD	2.7	-1	10.8	1	1.0	-1	0.249	-2	2.764	0	11.106	2	2077	44	1.6
1432.0	10000	38.1706	95.4934	-658	PD	2.8	-1	10.6	1	1.0	-1	0.260	-1	2.770	0	10.669	1	2049	41	1.6
1431.9	10000	38.1712	95.4934	-658	PD	2.9	-1	10.1	1	1.0	-1	0.290	-1	2.993	0	10.310	1	2012	51	1.6
1431.8	10000	38.1719	95.4934	-658	PD	3.1	0	9.7	0	0.9	-1	0.324	0	3.471	1	10.722	1	1962	48	1.6
1431.7	10000	38.1725	95.4934	-658	PD	3.1	0	8.9	-1	0.9	-1	0.352	0	3.586	1	10.200	1	1866	48	1.6
1431.6	10000	38.1731	95.4934	-657	PD	2.9	-1	7.7	-2	0.8	-2	0.379	-1	3.627	1	9.565	0	1764	55	1.6
1431.5	10000	38.1738	95.4934	-657	PD	3.3	0	7.2	-3	0.7	-2	0.45[illegible]	2	4.610	3	10.215	1	1659	55	1.6
1431.4	10000	38.1744	95.4934	-657	PD	2.9	-1	6.6	-3	0.6	-3	0.43[illegible]	2	4.604	3	10.576	1	1544	59	1.6
1431.3	10000	38.1751	95.4934	-656	PD	2.8	-1	5.9	-4	0.6	-3	0.471	3	5.020	3	10.649	1	1442	52	1.6
1431.2	10000	38.1757	95.4934	-656	PD	2.8	-1	5.5	-4	0.5	-4	0.483	3	5.596	3	11.583	2	1343	59	1.7
1431.1	10000	38.1763	95.4935	-656	PD	2.8	-1	5.5	-4	0.5	-4	0.516	3	5.602	3	10.857	1	1315	50	1.7
1431.0	10000	38.1770	95.4935	-655	PD	2.8	-1	5.5	-4	0.5	-4	0.455	2	4.917	2	10.796	1	1381	38	1.7
1430.9	10000	38.1776	95.4935	-654	PD	2.8	-1	5.5	-4	0.5	-4	0.419	2	4.355	2	10.398	1	1472	39	1.7
1430.8	10000	38.1782	95.4935	-654	PD	2.8	-1	5.7	-4	0.5	-4	0.352	1	3.665	1	10.420	1	1575	44	1.7
1430.7	10000	38.1789	95.4935	-654	PD	2.8	-1	5.9	-4	0.5	-4	0.387	2	4.088	2	10.558	1	1693	44	1.7
1430.6	10000	38.1795	95.4935	-654	PD	2.8	-1	5.9	-4	0.5	-4	0.380	2	4.062	2	10.696	1	1797	43	1.7
1430.5	10000	38.1802	95.4935	-653	PD	2.8	-1	6.0	-3	0.5	-4	0.377	2	4.045	2	10.733	1	1906	42	1.7
1430.4	10000	38.1808	95.4935	-652	PD	2.8	-1	6.2	-3	0.6	-3	0.388	2	3.799	2	9.800	1	1956	49	1.7
1430.3	10000	38.1814	95.4935	-651	PD	2.8	-1	6.4	-3	0.6	-3	0.424	2	3.984	2	9.404	1	1953	33	1.7
1430.2	10000	38.1821	95.4935	-650	PD	2.8	-1	6.6	-3	0.6	-3	0.459	2	4.442	2	9.675	1	1933	36	1.7
1430.1	10000	38.1827	95.4935	-652	PD	2.8	-1	6.8	-2	0.6	-3	0.470	2	4.495	2	9.563	1	1932	57	1.7
1430.0	10000	38.1833	95.4935	-655	PD	2.8	-1	6.8	-2	0.6	-3	0.501	3	4.450	2	8.879	0	1926	41	1.7
1429.9	10000	38.1840	95.4935	-656	PD	2.8	-1	6.8	-2	0.6	-3	0.496	3	4.221	2	8.518	0	1941	49	1.7
1429.8	10000	38.1846	95.4935	-657	PD	2.8	-1	6.8	-2	0.6	-3	0.441	2	3.699	2	8.397	0	1941	58	1.8
1429.7	10000	38.1852	95.4935	-656	PD	2.8	-1	6.8	-2	0.6	-3	0.400	2	3.580	2	8.957	0	1953	42	1.8
1429.6	10000	38.1859	95.4935	-655	PD	2.8	-1	6.8	-2	0.6	-3	0.380	2	3.501	2	9.210	1	1943	56	1.8
1429.5	10000	38.1865	95.4935	-655	PD	2.8	-1	6.8	-2	0.6	-3	0.350	2	3.370	2	9.625	1	1955	60	1.8
1429.4	10000	38.1872	95.4935	-654	PD	2.8	-1	6.8	-2	0.6	-3	0.330	2	3.030	2	9.185	1	1953	43	1.8
1429.3	10000	38.1878	95.4935	-654	PD	2.8	-1	6.8	-2	0.6	-3	0.284	2	2.820	2	9.920	1	1968	50	1.8
1429.2	10000	38.1884	95.4935	-654	PD	2.8	-1	6.8	-2	0.6	-3	0.249	1	2.671	2	9.711	1	1979	41	1.8
1429.1	10000	38.1891	95.4935	-654	PD	2.8	-1	6.8	-2	0.6	-3	0.284	2	3.041	2	10.723	1	2002	40	1.8
1429.0	10000	38.1897	95.4935	-654	PD	2.8	-1	6.8	-2	0.6	-3	0.280	2	3.086	2	11.039	1	2035	39	1.8

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1428.9	10000	38.1903	95.4935	-654	PD	2.9	-1	10.3	1	0.9	-1	0.281	-1	3.256	0	11.596	2	2100	57	1.8
1428.8	10000	38.1910	95.4935	-655	PD	2.6	-1	10.4	1	1.0	-1	0.251	-1	2.648	-1	10.537	1	2140	43	1.8
1428.7	10000	38.1916	95.4935	-655	PD	2.7	-1	10.5	1	1.0	0	0.257	-1	2.662	0	10.342	1	2194	54	1.8
1428.6	10000	38.1923	95.4935	-654	PD	2.6	-1	10.2	0	1.1	0	0.260	-1	2.483	-1	9.564	0	2223	49	1.8
1428.5	10000	38.1929	95.4935	-655	PD	3.1	0	10.2	0	1.2	0	0.307	0	2.686	0	8.747	0	2261	45	1.8
1428.4	10000	38.1935	95.4935	-655	PD	3.0	0	10.0	0	1.3	1	0.300	-1	2.395	-1	7.973	-1	2288	52	1.8
1428.3	10000	38.1942	95.4936	-655	PD	2.9	-1	10.0	0	1.3	1	0.291	-1	2.292	-1	7.863	-1	2306	49	1.8
1428.2	10000	38.1948	95.4936	-655	PD	2.8	-1	9.5	0	1.3	1	0.296	-1	2.117	-1	7.161	-1	2302	54	1.9
1428.1	10000	38.1954	95.4936	-655	PD	3.2	0	9.1	0	1.3	1	0.350	0	2.534	-1	7.249	-1	2288	44	1.9
1428.0	10000	38.1961	95.4936	-655	PD	3.1	0	9.8	0	1.2	1	0.318	0	2.524	-1	7.946	-1	2268	55	1.9
1427.9	10000	38.1967	95.4936	-655	PD	3.3	0	9.9	0	1.2	1	0.336	0	2.665	0	7.925	-1	2251	56	1.9
1427.8	10000	38.1973	95.4936	-656	PD	3.0	0	9.8	0	1.2	0	0.303	-1	2.521	-1	8.322	0	2216	53	1.9
1427.7	10000	38.1980	95.4936	-656	PD	3.0	0	9.8	0	1.1	0	0.306	0	2.820	0	9.206	0	2178	46	1.9
1427.6	10000	38.1986	95.4936	-656	PD	3.2	0	9.8	0	1.1	0	0.325	0	3.001	0	9.245	0	2136	56	1.9
1427.5	10000	38.1992	95.4936	-656	PD	3.1	0	10.0	0	1.0	-1	0.311	0	3.090	0	9.934	1	2100	40	1.9
1427.4	10000	38.1999	95.4936	-657	PD	2.9	-1	10.2	1	1.0	0	0.287	-1	2.808	0	9.786	1	2080	43	1.9
1427.3	10000	38.2005	95.4936	-657	PD	2.9	-1	9.5	0	1.0	0	0.299	-1	2.721	0	9.097	0	2051	58	1.9
1427.2	10000	38.2012	95.4936	-657	PD	2.6	-1	9.1	0	1.0	0	0.288	-1	2.569	-1	8.932	0	2018	37	1.9
1427.1	10000	38.2018	95.4936	-657	PD	2.5	-2	9.3	0	1.0	0	0.263	-1	2.353	-1	8.947	0	1998	45	1.9
1427.0	10000	38.2024	95.4936	-658	PD	2.1	-2	9.4	0	1.0	0	0.224	-2	2.037	-2	9.089	0	1981	36	1.9
1426.9	10000	38.2031	95.4936	-658	PD	2.0	-2	9.4	0	1.0	-1	0.215	-2	2.110	-1	9.798	1	1952	40	1.9
1426.8	10000	38.2037	95.4936	-658	PD	2.0	-3	9.4	0	1.0	-1	0.210	-2	1.967	-2	9.348	0	1934	49	1.9
1426.7	10000	38.2044	95.4936	-658	PD	1.8	-3	9.7	0	1.0	-1	0.181	-3	1.813	-2	10.039	1	1926	48	1.9
1426.6	10000	38.2050	95.4936	-659	PD	1.9	-3	9.6	0	1.0	-1	0.199	-2	1.983	-2	9.951	1	1921	61	1.9
1426.5	10000	38.2056	95.4936	-659	PD	2.1	-2	9.6	0	1.0	-1	0.214	-2	2.165	-1	10.139	1	1922	45	1.9
1426.4	10000	38.2063	95.4936	-659	PD	2.5	-1	9.1	0	0.9	-1	0.276	-1	2.780	0	10.083	1	1932	58	1.9
1426.3	10000	38.2069	95.4936	-660	PD	2.9	-1	8.8	-1	0.9	-1	0.330	0	3.136	0	9.511	0	1937	48	1.9
1426.2	10000	38.2075	95.4936	-660	PD	2.8	-1	9.0	0	0.9	-1	0.308	0	2.970	0	9.627	0	1957	42	1.9
1426.1	10000	38.2082	95.4936	-660	PD	2.8	-1	9.0	0	0.9	-1	0.299	0	3.059	0	10.215	0	1979	43	1.9
1426.0	10000	38.2088	95.4937	-660	PD	3.0	0	9.1	0	0.9	-1	0.347	0	3.310	0	9.532	0	1998	41	1.9
1425.9	10000	38.2094	95.4937	-660	PD	2.7	-1	8.7	-1	0.9	-1	0.311	0	3.035	0	9.765	0	2018	52	1.9
1425.8	10000	38.2101	95.4937	-660	PD	2.4	-1	8.3	-1	0.9	-1	0.270	-1	2.788	0	10.325	0	2052	50	1.9
1425.7	10000	38.2107	95.4937	-661	PD	2.3	-1	9.4	1	0.9	-1	0.227	-1	2.267	-1	10.005	0	2075	49	1.9
1425.6	10000	38.2113	95.4937	-661	PD	2.1	-1	9.4	1	0.9	-1	0.207	-1	2.106	-1	10.195	0	2108	47	1.9
1425.5	10000	38.2120	95.4937	-661	PD	2.2	-1	9.9	1	0.9	-1	0.224	-1	2.044	-1	9.128	0	2164	41	1.9
1425.4	10000	38.2126	95.4937	-661	PD	2.3	-1	9.8	1	0.9	-1	0.236	-1	2.039	-1	9.631	0	2220	42	1.9
1425.3	10000	38.2133	95.4937	-662	PD	2.4	-1	9.8	1	0.9	-1	0.244	-1	2.184	-1	9.949	0	2264	43	1.9
1425.2	10000	38.2139	95.4937	-662	PD	2.6	-1	9.8	1	0.9	-1	0.265	-1	2.366	-1	9.931	0	2291	41	1.9
1425.1	10000	38.2145	95.4937	-662	PD	2.7	-1	9.8	1	0.9	-1	0.306	-1	2.579	-1	9.424	0	2329	43	1.9
1425.0	10000	38.2152	95.4937	-662	PD	3.0	0	9.8	1	0.9	-1	0.334	0	2.756	-1	9.254	0	2342	37	1.9
1424.9	10000	38.2158	95.4937	-662	PD	3.2	0	9.8	1	0.9	-1	0.358	0	2.800	-1	8.812	0	2353	51	1.9
1424.8	10000	38.2164	95.4937	-662	PD	3.3	0	9.8	1	0.9	-1	0.367	0	3.043	-1	8.297	0	2307	44	1.9
1424.7	10000	38.2171	95.4937	-662	PD	3.6	0	9.8	1	0.9	-1	0.383	0	3.316	-1	8.665	0	2239	35	1.9
1424.6	10000	38.2177	95.4937	-662	PD	3.6	0	9.8	1	0.9	-1	0.434	0	3.715	-1	8.555	0	2175	46	1.9
1424.5	10000	38.2184	95.4937	-661	PD	3.9	0	9.7	1	0.9	-1	0.469	0	4.172	-1	8.895	0	2133	44	1.9
1424.4	10000	38.2190	95.4937	-661	PD	4.1	0	9.7	1	0.9	-1	0.459	0	4.538	-1	8.895	0	2060	48	1.9
1424.3	10000	38.2196	95.4937	-661	PD	4.5	0	9.8	1	0.9	-1	0.466	0	4.679	-1	9.034	0	2029	46	1.9
1424.2	10000	38.2203	95.4937	-661	PD	4.5	0	9.8	1	0.9	-1	0.450	0	5.090	-1	9.319	0	1986	44	1.9
1424.1	10000	38.2209	95.4937	-661	PD	4.6	0	9.8	1	0.9	-1	0.467	0	4.868	-1	9.424	0	1967	45	1.9
1424.0	10000	38.2215	95.4937	-661	PD	4.7	0	9.8	1	0.9	-1	0.479	0	4.669	-1	9.754	0	1976	39	1.9
1423.9	10000	38.2222	95.4937	-660	PD	4.5	0	9.8	1	0.9	-1	0.423	0	4.076	-1	9.631	0	1972	42	1.9
1423.8	10000	38.2228	95.4937	-659	PD	4.4	0	9.8	1	0.9	-1	0.424	0	3.585	-1	8.449	0	1961	47	1.8

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1423.7	10000	38.2234	95.4937	-659	PD	3.1	0	8.2	-1	1.0	0	0.383	1	3.038	0	7.929	-1	1963	34	1.8
1423.6	10000	38.2241	95.4937	-659	PD	3.3	0	8.2	-1	1.0	0	0.404	1	3.249	0	8.043	-1	1954	39	1.8
1423.5	10000	38.2247	95.4937	-658	PD	3.4	0	8.2	-1	1.0	0	0.410	1	3.228	0	7.870	-1	1968	52	1.8
1423.4	10000	38.2254	95.4937	-657	PD	3.1	0	8.6	-1	1.0	-1	0.357	0	3.058	0	8.563	0	1991	45	1.8
1423.3	10000	38.2260	95.4938	-657	PD	2.9	-1	8.9	-1	1.0	-1	0.324	0	2.881	0	8.881	0	2002	36	1.8
1423.2	10000	38.2266	95.4938	-656	PD	3.0	0	8.9	-1	1.0	0	0.333	0	2.897	0	8.704	0	2040	47	1.8
1423.1	10000	38.2273	95.4938	-656	PD	3.1	0	9.6	0	1.0	-1	0.321	0	3.098	0	9.660	0	2070	49	1.8
1423.0	10000	38.2279	95.4938	-655	PD	3.3	0	9.6	0	1.0	-1	0.348	0	3.398	1	9.755	1	2110	53	1.8
1422.9	10000	38.2285	95.4938	-655	PD	3.3	0	10.1	0	1.0	0	0.327	0	3.250	0	9.936	1	2154	50	1.8
1422.8	10000	38.2292	95.4938	-654	PD	3.4	0	10.3	1	1.0	0	0.327	0	3.242	0	9.915	1	2171	46	1.8
1422.7	10000	38.2298	95.4938	-653	PD	3.6	1	10.2	0	1.1	0	0.357	0	3.387	1	9.494	0	2175	49	1.8
1422.6	10000	38.2305	95.4938	-652	PD	3.0	2	10.0	0	1.1	0	0.394	1	3.674	1	9.331	0	2194	50	1.7
1422.5	10000	38.2311	95.4938	-651	PD	3.7	1	10.4	1	1.1	0	0.357	0	3.449	1	9.670	1	2198	60	1.7
1422.4	10000	38.2317	95.4938	-651	PD	3.7	1	10.2	1	1.1	0	0.357	0	3.460	1	9.704	1	2214	44	1.7
1422.3	10000	38.2324	95.4938	-650	PD	3.6	1	10.2	0	1.0	-1	0.354	0	3.617	1	10.206	1	2202	53	1.7
1422.2	10000	38.2330	95.4938	-649	PD	3.6	1	10.1	0	1.0	-1	0.362	1	3.782	1	10.446	1	2181	52	1.7
1422.1	10000	38.2336	95.4938	-649	PD	3.4	1	9.5	0	0.9	-1	0.361	1	3.693	1	10.235	1	2157	44	1.7
1422.0	10000	38.2343	95.4938	-647	PD	3.2	1	9.6	0	0.9	-1	0.331	0	3.380	1	10.205	1	2139	44	1.7
1421.9	10000	38.2349	95.4938	-647	PD	2.9	-1	9.6	0	1.0	-1	0.303	-1	3.022	0	9.980	1	2117	47	1.7
1421.8	10000	38.2355	95.4938	-645	PD	3.1	0	9.1	0	1.0	-1	0.336	0	3.080	0	9.176	0	2099	47	1.7
1421.7	10000	38.2362	95.4938	-645	PD	3.0	0	9.0	-1	1.0	0	0.337	0	2.978	0	8.834	0	2076	41	1.7
1421.6	10000	38.2368	95.4938	-644	PD	3.0	0	8.4	-1	1.0	0	0.362	1	2.926	0	8.089	-1	2052	51	1.7
1421.5	10000	38.2375	95.4938	-643	PD	3.2	0	7.9	-1	1.0	0	0.378	1	2.932	0	7.764	-1	2033	39	1.7
1421.4	10000	38.2381	95.4938	-642	PD	3.5	1	8.5	-1	1.0	-1	0.374	1	3.152	0	8.435	0	2030	46	1.6
1421.3	10000	38.2387	95.4938	-641	PD	3.5	1	8.4	-1	0.9	-1	0.414	1	3.678	1	8.891	0	2032	55	1.6
1421.2	10000	38.2394	95.4938	-640	PD	3.7	1	8.8	-1	1.0	-1	0.418	2	3.971	2	9.500	0	2023	52	1.6
1421.1	10000	38.2400	95.4939	-638	PD	3.7	1	9.2	-1	1.0	-1	0.424	2	3.607	1	10.877	1	2023	44	1.6
1421.0	10000	38.2406	95.4939	-637	PD	3.8	1	9.2	-1	0.9	-1	0.399	1	4.460	1	11.173	1	2021	40	1.6
1420.9	10000	38.2413	95.4939	-636	PD	3.8	1	9.2	-1	0.9	-1	0.381	1	4.439	1	11.649	1	2023	46	1.6
1420.8	10000	38.2419	95.4939	-635	PD	3.8	1	9.2	-1	0.9	-1	0.368	1	4.139	1	11.243	1	2020	57	1.6
1420.7	10000	38.2426	95.4939	-634	PD	3.8	1	9.2	-1	0.9	-1	0.389	1	3.969	1	10.213	1	1998	39	1.6
1420.6	10000	38.2432	95.4939	-633	PD	3.8	1	9.2	-1	0.9	-1	0.410	1	4.276	1	10.433	1	1975	41	1.6
1420.5	10000	38.2438	95.4939	-632	PD	3.8	1	9.2	-1	0.9	-1	0.397	1	4.255	1	10.728	1	1956	43	1.6
1420.4	10000	38.2445	95.4939	-630	PD	3.8	1	9.2	-1	0.9	-1	0.386	1	4.004	1	10.384	1	1940	52	1.6
1420.3	10000	38.2451	95.4939	-629	PD	3.8	1	9.2	-1	0.9	-1	0.385	1	4.037	1	10.495	1	1917	40	1.6
1420.2	10000	38.2457	95.4939	-627	PD	3.8	1	9.2	-1	0.9	-1	0.353	1	3.593	1	10.190	1	1934	37	1.6
1420.1	10000	38.2464	95.4939	-626	PD	3.8	1	9.2	-1	0.9	-1	0.323	1	3.576	1	10.061	1	1968	43	1.5
1420.0	10000	38.2470	95.4939	-625	PD	3.8	1	9.2	-1	0.9	-1	0.303	1	3.344	1	10.055	1	2027	57	1.5
1419.9	10000	38.2476	95.4939	-623	PD	3.8	1	9.2	-1	0.9	-1	0.253	1	3.567	1	10.147	1	2078	45	1.5
1419.8	10000	38.2483	95.4939	-621	PD	3.8	1	9.2	-1	0.9	-1	0.276	1	3.687	1	9.728	1	2126	51	1.5
1419.7	10000	38.2489	95.4939	-620	PD	3.8	1	9.2	-1	0.9	-1	0.267	1	3.586	1	9.666	1	2157	41	1.5
1419.6	10000	38.2496	95.4939	-618	PD	3.8	1	9.2	-1	0.9	-1	0.276	1	3.602	1	9.435	1	2186	45	1.5
1419.5	10000	38.2502	95.4939	-616	PD	3.8	1	9.2	-1	0.9	-1	0.317	1	3.824	1	9.119	1	2180	47	1.5
1419.4	10000	38.2508	95.4939	-613	PD	3.8	1	9.2	-1	0.9	-1	0.337	1	3.601	1	8.824	1	2143	52	1.5
1419.3	10000	38.2514	95.4939	-611	PD	3.8	1	9.2	-1	0.9	-1	0.330	1	3.735	1	8.599	1	2122	39	1.5
1419.2	10000	38.2521	95.4939	-609	PD	3.8	1	9.2	-1	0.9	-1	0.335	1	3.791	1	8.288	1	2094	56	1.5
1419.1	10000	38.2527	95.4939	-607	PD	3.8	1	9.2	-1	0.9	-1	0.336	1	3.556	1	8.291	1	2079	40	1.5
1419.0	10000	38.2533	95.4940	-604	PD	3.8	1	9.2	-1	0.9	-1	0.335	1	3.772	1	8.192	1	2060	52	1.5
1418.9	10000	38.2539	95.4940	-601	PD	3.8	1	9.2	-1	0.9	-1	0.335	1	3.907	1	8.145	1	2054	45	1.5
1418.8	10000	38.2545	95.4940	-598	PD	3.8	1	9.2	-1	0.9	-1	0.335	1	3.957	1	8.130	1	2057	55	1.5
1418.7	10000	38.2551	95.4940	-596	PD	3.8	1	9.2	-1	0.9	-1	0.335	1	4.027	1	8.254	1	2058	49	1.5
1418.6	10000	38.2558	95.4940	-593	PD	3.5	1	8.8	-1	0.9	-1	0.367	1	3.971	1	8.254	1	2058	49	1.5

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1418.5	10000	38.2564	95.4940	-589	PD	3.5	1	9.8	0	1.1	0	0.356	0	3.115	0	8.750	0	2060	50	1.5
1418.4	10000	38.2570	95.4940	-586	PD	3.7	1	9.5	0	1.1	0	0.391	1	3.343	1	8.544	0	2058	60	1.5
1418.3	10000	38.2576	95.4940	-584	PD	3.8	1	9.4	0	1.1	0	0.409	1	3.455	1	8.450	0	2041	58	1.5
1418.2	10000	38.2582	95.4940	-581	PD	3.7	1	9.5	0	1.1	0	0.392	1	3.325	1	8.472	0	2039	51	1.5
1418.1	10000	38.2589	95.4940	-579	PD	3.5	1	9.7	0	1.1	0	0.359	0	3.253	0	9.057	0	2037	44	1.5
1418.0	10000	38.2595	95.4941	-576	PD	3.6	1	9.4	0	1.1	0	0.377	1	3.365	1	8.916	0	2032	55	1.5
1417.9	10000	38.2601	95.4941	-575	PD	3.5	1	9.1	0	1.0	0	0.386	1	3.352	1	8.696	0	2026	45	1.5
1417.8	10000	38.2607	95.4941	-573	PD	3.5	1	9.3	0	1.1	0	0.380	1	3.339	1	8.788	0	2037	41	1.5
1417.7	10000	38.2613	95.4941	-572	PD	3.5	1	9.8	0	1.1	0	0.361	1	3.325	1	9.206	0	2055	51	1.5
1417.6	10000	38.2620	95.4941	-570	PD	3.1	0	10.3	1	1.1	0	0.304	-1	2.846	0	9.374	0	2100	36	1.5
1417.5	10000	38.2626	95.4941	-570	PD	3.2	0	10.3	1	1.2	0	0.312	0	2.774	0	8.895	0	2135	50	1.5
1417.4	10000	38.2632	95.4941	-570	PD	3.3	0	9.9	1	1.2	1	0.331	0	2.700	0	8.170	-1	2167	53	1.5
1417.3	10000	38.2638	95.4941	-570	PD	3.3	0	10.7	1	1.2	1	0.307	0	2.725	0	8.876	0	2208	49	1.5
1417.2	10000	38.2644	95.4942	-570	PD	3.2	0	11.1	1	1.2	1	0.288	-1	2.633	-1	9.148	0	2243	34	1.5
1417.1	10000	38.2650	95.4942	-571	PD	3.1	0	10.9	1	1.2	1	0.287	-1	2.549	-1	8.874	0	2254	47	1.5
1417.0	10000	38.2657	95.4942	-573	PD	2.9	-1	10.6	1	1.3	1	0.272	-1	2.268	-1	8.341	0	2261	47	1.5
1416.9	10000	38.2663	95.4942	-574	PD	3.1	0	10.7	1	1.3	1	0.284	-1	2.331	-1	8.196	-1	2263	35	1.5
1416.8	10000	38.2669	95.4942	-576	PD	3.1	0	10.9	1	1.2	1	0.282	-1	2.483	-1	8.817	0	2246	51	1.5
1416.7	10000	38.2675	95.4942	-577	PD	3.0	0	11.4	1	1.2	1	0.266	-1	2.541	-1	9.549	0	2237	47	1.5
1416.6	10000	38.2681	95.4942	-579	PD	3.1	0	10.8	1	1.2	0	0.285	-1	2.599	-1	9.125	0	2221	46	1.5
1416.5	10000	38.2688	95.4942	-581	PD	3.1	0	10.8	1	1.2	1	0.289	-1	2.596	-1	8.994	0	2201	42	1.5
1416.4	10000	38.2694	95.4942	-583	PD	3.4	0	10.8	1	1.2	1	0.316	0	2.863	0	9.069	0	2194	41	1.5
1416.3	10000	38.2700	95.4942	-586	PD	3.4	0	11.0	1	1.1	0	0.305	-1	2.935	0	9.630	0	2159	44	1.5
1416.2	10000	38.2706	95.4942	-588	PD	3.0	0	10.6	1	1.2	0	0.287	-1	2.615	-1	9.116	0	2132	48	1.5
1416.1	10000	38.2712	95.4943	-591	PD	2.9	-1	10.2	1	1.1	0	0.284	-1	2.539	-1	8.951	0	2109	44	1.5
1416.0	10000	38.2719	95.4943	-594	PD	2.9	-1	9.7	1	1.1	0	0.301	-1	2.569	-1	8.534	0	2082	55	1.5
1415.9	10000	38.2725	95.4943	-597	PD	3.0	0	9.6	1	1.2	0	0.307	0	2.570	-1	8.374	0	2067	50	1.5
1415.8	10000	38.2731	95.4943	-600	PD	3.1	0	9.7	1	1.1	0	0.318	0	2.777	0	8.737	0	2073	45	1.5
1415.7	10000	38.2737	95.4943	-603	PD	2.8	-1	9.7	1	1.1	0	0.288	-1	2.541	-1	8.814	0	2059	57	1.5
1415.6	10000	38.2743	95.4943	-604	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.754	0	9.367	0	2095	49	1.5
1415.5	10000	38.2749	95.4943	-606	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.173	-1	8.298	0	2130	47	1.5
1415.4	10000	38.2756	95.4943	-611	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	3.315	1	8.685	0	2157	49	1.5
1415.3	10000	38.2762	95.4944	-613	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	3.160	1	8.959	0	2203	48	1.5
1415.2	10000	38.2768	95.4944	-616	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.987	0	7.574	0	2251	44	1.6
1415.1	10000	38.2774	95.4944	-618	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.937	0	7.156	0	2284	44	1.6
1415.0	10000	38.2780	95.4944	-619	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.869	0	7.502	0	2335	60	1.6
1414.9	10000	38.2787	95.4944	-621	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.912	0	7.051	0	2335	49	1.6
1414.8	10000	38.2793	95.4944	-622	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.800	0	7.110	0	2327	41	1.6
1414.7	10000	38.2799	95.4944	-623	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.556	-1	7.044	0	2329	49	1.6
1414.6	10000	38.2805	95.4944	-624	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.651	-1	7.078	0	2296	36	1.6
1414.5	10000	38.2811	95.4944	-624	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.570	-1	7.215	0	2261	45	1.6
1414.4	10000	38.2818	95.4944	-624	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.478	-1	6.932	0	2227	49	1.6
1414.3	10000	38.2824	95.4945	-624	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.460	-1	6.835	0	2189	44	1.6
1414.2	10000	38.2830	95.4945	-623	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.232	-1	6.629	0	2173	37	1.6
1414.1	10000	38.2836	95.4945	-622	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.252	-1	6.264	0	2146	50	1.6
1414.0	10000	38.2842	95.4945	-621	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.161	-1	6.026	0	2131	51	1.6
1413.9	10000	38.2848	95.4945	-619	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.144	-1	6.745	0	2142	50	1.6
1413.8	10000	38.2855	95.4945	-618	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.140	-1	6.693	0	2141	51	1.6
1413.7	10000	38.2861	95.4945	-615	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.310	-1	6.489	0	2143	48	1.6
1413.6	10000	38.2867	95.4945	-613	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.227	-1	6.368	0	2161	51	1.6
1413.5	10000	38.2873	95.4945	-611	PD	2.9	-1	9.9	1	1.1	0	0.294	-1	2.164	-1	6.499	0	2183	41	1.6
1413.4	10000	38.2879	95.4946	-608	PD	2.6	-1	9.9	1	1.1	0	0.263	-2	2.006	-2	6.499	0	2202	51	1.7

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1413.3	10000	38.2886	95.4946	-606	PD	2.9	-1	10.8	1	1.3	1	0.265	-1	2.215	-1	8.348	0	2238	37	1.7
1413.2	10000	38.2892	95.4946	-604	PD	2.6	-1	10.7	1	1.3	1	0.247	-2	1.982	-2	8.041	-1	2267	46	1.7
1413.1	10000	38.2898	95.4946	-601	PD	2.6	-1	10.9	1	1.3	1	0.241	-2	1.957	-2	8.127	-1	2291	44	1.7
1413.0	10000	38.2904	95.4946	-598	PD	2.6	-1	11.4	2	1.3	1	0.228	-2	1.933	-2	8.483	0	2318	53	1.7
1412.9	10000	38.2910	95.4946	-596	PD	2.8	-1	10.9	1	1.3	1	0.257	-1	2.116	-1	8.241	0	2319	39	1.7
1412.8	10000	38.2917	95.4946	-593	PD	3.1	0	10.8	1	1.3	1	0.286	-1	2.353	-1	8.235	-1	2320	45	1.7
1412.7	10000	38.2923	95.4946	-589	PD	3.5	1	10.3	1	1.3	1	0.335	0	2.655	-1	7.929	-1	2332	36	1.7
1412.6	10000	38.2929	95.4946	-587	PD	3.2	0	10.9	1	1.3	1	0.293	-1	2.507	-1	8.548	0	2295	48	1.7
1412.5	10000	38.2935	95.4946	-584	PD	3.4	0	10.6	1	1.3	1	0.321	0	2.665	0	8.295	0	2263	42	1.7
1412.4	10000	38.2941	95.4947	-582	PD	3.4	0	9.9	0	1.2	1	0.346	0	2.859	0	8.273	0	2216	48	1.7
1412.3	10000	38.2947	95.4947	-580	PD	3.2	0	9.3	0	1.2	1	0.343	0	2.671	0	7.782	-1	2168	57	1.8
1412.2	10000	38.2954	95.4947	-578	PD	3.4	0	9.3	0	1.2	1	0.360	1	2.915	0	8.091	-1	2126	52	1.8
1412.1	10000	38.2960	95.4947	-576	PD	3.3	0	8.7	-1	1.1	1	0.375	1	2.912	0	7.759	-1	2085	43	1.8
1412.0	10000	38.2966	95.4947	-575	PD	3.1	0	8.3	-1	1.1	1	0.376	1	2.835	0	7.535	-1	2024	41	1.8
1411.9	10000	38.2972	95.4947	-575	PD	3.1	0	7.6	-2	1.1	1	0.413	1	2.905	0	7.035	-1	1998	49	1.8
1411.8	10000	38.2978	95.4947	-574	PD	3.0	0	7.3	-2	1.0	0	0.408	1	2.839	0	6.965	-1	1987	57	1.8
1411.7	10000	38.2985	95.4947	-575	PD	3.2	0	7.4	-2	1.1	1	0.431	2	2.853	0	6.620	-2	2002	42	1.8
1411.6	10000	38.2991	95.4948	-575	PD	3.3	0	7.0	-2	1.1	1	0.478	3	3.004	0	6.286	-2	2006	44	1.8
1411.5	10000	38.2997	95.4948	-576	PD	3.2	0	7.3	-2	1.1	1	0.434	2	2.791	0	6.429	-2	2041	50	1.8
1411.4	10000	38.3003	95.4948	-577	PD	3.5	1	7.3	-2	1.1	1	0.477	3	3.134	0	6.569	-2	2078	48	1.8
1411.3	10000	38.3009	95.4948	-579	PD	3.9	1	7.3	-2	1.1	1	0.529	4	3.455	1	6.534	-2	2151	51	1.8
1411.2	10000	38.3016	95.4948	-581	PD	4.1	2	7.6	-2	1.1	1	0.540	4	3.711	1	6.867	-1	2212	54	1.8
1411.1	10000	38.3022	95.4948	-583	PD	4.8	3	7.5	-2	1.1	1	0.639	6	4.328	2	6.776	-2	2241	45	1.8
1411.0	10000	38.3028	95.4948	-585	PD	4.8	3	7.6	-2	1.1	1	0.628	5	4.519	2	7.201	-1	2231	41	1.8
1410.9	10000	38.3034	95.4948	-586	PD	4.9	4	7.8	-2	1.0	0	0.626	5	4.808	3	7.686	-1	2212	51	1.8
1410.8	10000	38.3040	95.4948	-588	PD	4.8	3	8.1	-1	1.0	-1	0.592	5	4.843	3	8.174	-1	2164	38	1.8
1410.7	10000	38.3046	95.4948	-591	PD	4.2	2	8.4	-1	1.0	-1	0.496	3	4.013	2	8.087	-1	2111	51	1.8
1410.6	10000	38.3053	95.4949	-592	PD	3.8	1	8.5	-1	1.1	0	0.445	2	3.454	1	7.766	-1	2059	48	1.8
1410.5	10000	38.3059	95.4949	-594	PD	3.5	1	8.0	-1	1.1	0	0.439	2	3.232	0	7.356	-1	1996	54	1.8
1410.4	10000	38.3065	95.4949	-595	PD	3.9	1	8.4	-1	1.1	0	0.347	2	3.672	1	7.693	-1	1938	62	1.8
1410.3	10000	38.3071	95.4949	-597	PD	3.5	1	8.3	-1	1.1	0	0.313	2	2.312	-1	7.381	-1	1922	52	1.8
1410.2	10000	38.3077	95.4949	-598	PD	2.2	-1	7.6	-2	1.1	1	0.270	1	1.963	-2	7.266	-1	1933	57	1.8
1410.1	10000	38.3084	95.4949	-598	PD	2.4	-1	7.6	-2	1.1	1	0.314	2	2.108	-1	6.724	-2	1954	55	1.8
1410.0	10000	38.3090	95.4949	-599	PD	2.5	-1	7.6	-2	1.1	1	0.328	2	2.263	-1	6.908	-1	1965	43	1.8
1409.9	10000	38.3096	95.4949	-600	PD	2.6	-1	7.6	-2	1.1	1	0.337	2	2.392	-1	7.107	-1	1970	45	1.8
1409.8	10000	38.3102	95.4949	-601	PD	2.5	-1	7.6	-2	1.1	1	0.314	2	2.232	-1	7.102	-1	2003	40	1.8
1409.7	10000	38.3108	95.4949	-601	PD	2.5	-1	7.6	-2	1.1	1	0.309	2	2.180	-1	7.051	-1	2043	52	1.8
1409.6	10000	38.3114	95.4950	-602	PD	2.4	-1	7.6	-2	1.1	1	0.292	1	2.034	-2	6.965	-1	2083	44	1.8
1409.5	10000	38.3121	95.4950	-602	PD	2.5	-1	7.6	-2	1.1	1	0.294	2	2.076	-1	7.051	-1	2115	53	1.8
1409.4	10000	38.3127	95.4950	-601	PD	2.5	-1	7.6	-2	1.1	1	0.283	1	1.914	-2	6.760	-2	2146	39	1.8
1409.3	10000	38.3133	95.4950	-601	PD	2.6	-1	7.7	-2	1.1	1	0.309	2	1.991	-2	6.446	-2	2180	52	1.8
1409.2	10000	38.3139	95.4950	-600	PD	2.4	-1	7.6	-2	1.1	1	0.284	1	1.822	-2	6.421	-2	2213	61	1.8
1409.1	10000	38.3145	95.4950	-598	PD	2.7	-1	7.7	-2	1.1	1	0.302	2	1.981	-2	6.560	-2	2227	52	1.8
1409.0	10000	38.3152	95.4950	-597	PD	2.9	-1	7.7	-2	1.1	1	0.338	2	2.177	-1	6.437	-2	2243	47	1.8
1408.9	10000	38.3158	95.4950	-596	PD	3.2	0	7.7	-2	1.1	1	0.365	3	2.399	-1	6.573	-2	2241	39	1.8
1408.8	10000	38.3164	95.4950	-594	PD	3.0	0	7.7	-2	1.1	1	0.329	2	2.156	-1	6.551	-2	2236	44	1.8
1408.7	10000	38.3170	95.4951	-592	PD	3.3	0	7.7	-2	1.1	1	0.315	2	2.013	-2	6.393	-2	2226	45	1.8
1408.6	10000	38.3176	95.4951	-590	PD	3.2	0	7.6	-2	1.1	1	0.262	2	1.824	-2	6.967	-1	2222	45	1.8
1408.5	10000	38.3183	95.4951	-588	PD	3.5	0	7.6	-2	1.1	1	0.253	2	1.736	-2	6.868	-1	2216	49	1.8
1408.4	10000	38.3189	95.4951	-586	PD	3.4	0	7.6	-2	1.1	1	0.253	2	1.730	-2	6.882	-1	2208	34	1.8
1408.3	10000	38.3195	95.4951	-583	PD	3.5	0	7.6	-2	1.1	1	0.237	2	1.645	-2	6.948	-1	2187	51	1.8
1408.2	10000	38.3201	95.4951	-580	PD	2.1	-2	7.6	-2	1.1	1	0.219	2	1.505	-2	6.865	-1	2183	30	1.7

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1408.1	10000	38.3207	95.4951	-577	PD	2.4	-2	8.8	-1	1.3	1	0.268	-1	1.743	-2	6.513	-2	2173	44	1.7
1408.0	10000	38.3214	95.4951	-574	PD	2.4	-2	9.1	0	1.3	1	0.263	-1	1.854	-2	7.054	-1	2164	40	1.7
1407.9	10000	38.3220	95.4951	-571	PD	2.6	-1	9.2	0	1.3	1	0.279	-1	1.939	-2	6.950	-1	2152	47	1.7
1407.8	10000	38.3226	95.4951	-567	PD	2.6	-1	9.5	0	1.3	1	0.277	-1	2.003	-2	7.236	-1	2133	39	1.7
1407.7	10000	38.3232	95.4952	-563	PD	2.5	-1	9.6	0	1.3	1	0.260	-1	1.909	-2	7.336	-1	2131	48	1.7
1407.6	10000	38.3238	95.4952	-559	PD	2.7	-1	9.3	0	1.3	1	0.297	-1	2.081	-1	7.012	-1	2149	46	1.7
1407.5	10000	38.3244	95.4952	-555	PD	3.1	0	9.1	0	1.3	1	0.337	0	2.328	-1	6.919	-1	2149	42	1.7
1407.4	10000	38.3251	95.4952	-551	PD	3.1	0	9.4	0	1.3	1	0.334	0	2.409	-1	7.218	-1	2154	49	1.7
1407.3	10000	38.3257	95.4952	-547	PD	3.2	0	9.4	0	1.3	1	0.343	0	2.433	-1	7.090	-1	2164	35	1.7
1407.2	10000	38.3263	95.4952	-542	PD	3.1	0	9.2	0	1.3	1	0.335	0	2.289	-1	6.826	-1	2183	46	1.7
1407.1	10000	38.3269	95.4952	-536	PD	3.2	0	8.8	-1	1.3	1	0.365	1	2.422	-1	6.642	-2	2196	37	1.7
1407.0	10000	38.3275	95.4952	-531	PD	3.3	0	8.7	-1	1.3	1	0.375	1	2.465	-1	6.567	-2	2192	44	1.7
1406.9	10000	38.3282	95.4952	-526	PD	3.0	0	9.0	-1	1.3	1	0.334	0	2.255	-1	6.752	-2	2177	33	1.6
1406.8	10000	38.3288	95.4953	-520	PD	2.8	-1	9.1	0	1.3	1	0.311	0	2.215	-1	7.127	-1	2151	40	1.6
1406.7	10000	38.3294	95.4953	-513	PD	2.8	-1	9.5	0	1.2	1	0.298	-1	2.285	-1	7.672	-1	2127	50	1.6
1406.6	10000	38.3300	95.4953	-507	PD	2.8	-1	9.2	0	1.2	1	0.305	-1	2.346	-1	7.688	-1	2099	31	1.6
1406.5	10000	38.3306	95.4953	-500	PD	3.1	0	9.1	0	1.1	0	0.336	0	2.697	0	8.020	-1	2070	46	1.6
1406.4	10000	38.3313	95.4953	-492	PD	3.0	0	9.5	0	1.1	0	0.318	0	2.765	0	8.691	0	2049	43	1.6
1406.3	10000	38.3319	95.4953	-484	PD	3.2	0	9.2	0	1.1	0	0.344	0	2.979	0	8.668	0	2028	49	1.6
1406.2	10000	38.3325	95.4953	-475	PD	3.3	0	9.1	0	1.0	0	0.364	1	3.163	0	8.694	0	2026	60	1.6
1406.1	10000	38.3331	95.4953	-466	PD	3.4	0	9.4	0	1.0	0	0.362	1	3.256	0	9.002	0	2051	44	1.6
1406.0	10000	38.3337	95.4953	-456	PD	3.3	0	9.2	0	1.1	0	0.360	1	3.095	0	8.593	0	2080	47	1.6
1405.9	10000	38.3343	95.4953	-446	PD	3.4	0	9.4	0	1.1	0	0.363	1	3.233	0	8.909	0	2112	39	1.5
1405.8	10000	38.3350	95.4954	-436	PD	3.3	0	9.6	0	1.1	0	0.343	0	3.059	0	8.911	0	2130	47	1.5
1405.7	10000	38.3356	95.4954	-425	PD	3.2	0	9.5	0	1.1	0	0.338	0	3.028	0	8.951	0	2145	34	1.5
1405.6	10000	38.3362	95.4954	-416	PD	3.1	0	9.9	0	1.1	0	0.311	0	2.879	0	9.261	0	2173	43	1.5
1405.5	10000	38.3368	95.4954	-410	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1405.4	10000	38.3374	95.4954	-403	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1405.3	10000	38.3381	95.4954	-395	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1405.2	10000	38.3387	95.4954	-382	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1405.1	10000	38.3393	95.4954	-371	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1405.0	10000	38.3399	95.4955	-362	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1404.9	10000	38.3405	95.4955	-352	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1404.8	10000	38.3411	95.4955	-344	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1404.7	10000	38.3418	95.4955	-336	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1404.6	10000	38.3424	95.4955	-329	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1404.5	10000	38.3430	95.4955	-323	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1404.4	10000	38.3436	95.4955	-318	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1404.3	10000	38.3443	95.4955	-314	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1404.2	10000	38.3449	95.4955	-310	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1404.1	10000	38.3455	95.4955	-308	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1404.0	10000	38.3461	95.4956	-306	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1403.9	10000	38.3467	95.4956	-305	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1403.8	10000	38.3473	95.4956	-306	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1403.7	10000	38.3480	95.4956	-308	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1403.6	10000	38.3486	95.4956	-310	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1403.5	10000	38.3492	95.4956	-314	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1403.4	10000	38.3498	95.4956	-319	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1403.3	10000	38.3505	95.4956	-324	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1403.2	10000	38.3511	95.4956	-330	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1403.1	10000	38.3517	95.4956	-336	PD	3.0	0	9.7	0	1.1	0	0.297	-1	2.794	0	9.405	0	2187	50	1.5
1403.0	10000	38.3524	95.4956	-343	PD	2.7	-1	9.3	0	1.1	0	0.288	-1	2.429	0	7.822	-1	1988	53	1.2

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1402.9	10000	38.3530	95.4956	-351	PD	2.6	-1	9.1	0	1.1	0	0.284	-1	2.281	-1	8.028	-1	1965	36	1.2
1402.8	10000	38.3536	95.4956	-359	PD	2.5	-1	8.6	-1	1.1	0	0.293	-1	2.352	-1	8.014	-1	1945	46	1.2
1402.7	10000	38.3542	95.4957	-367	PD	2.2	-2	8.7	-1	1.1	0	0.256	-1	2.031	-2	7.931	-1	1940	44	1.2
1402.6	10000	38.3549	95.4957	-375	PD	2.0	-3	9.4	0	1.1	0	0.211	-2	1.801	-2	8.546	0	1937	61	1.2
1402.5	10000	38.3555	95.4957	-383	PD	2.1	-2	9.7	0	1.1	0	0.218	-2	1.972	-2	9.036	0	1952	58	1.2
1402.4	10000	38.3561	95.4957	-390	PD	2.2	-2	9.9	0	1.1	0	0.225	-2	2.013	-2	8.942	0	1956	55	1.2
1402.3	10000	38.3568	95.4957	-398	PD	2.5	-2	9.8	0	1.1	0	0.252	-1	2.254	-1	8.946	0	1960	47	1.2
1402.2	10000	38.3574	95.4957	-405	PD	2.7	-1	10.1	0	1.1	0	0.270	-1	2.531	-1	9.378	0	1981	51	1.2
1402.1	10000	38.3580	95.4957	-411	PD	2.8	-1	10.2	1	1.1	0	0.278	-1	2.613	-1	9.415	0	1986	34	1.2
1402.0	10000	38.3586	95.4957	-417	PD	3.0	0	9.8	0	1.1	0	0.304	-1	2.722	0	8.951	0	1989	48	1.2
1401.9	10000	38.3593	95.4957	-422	PD	3.4	0	9.9	0	1.1	0	0.342	0	2.997	0	8.775	0	2020	42	1.2
1401.8	10000	38.3599	95.4957	-427	PD	3.3	0	9.9	0	1.1	0	0.333	0	2.897	0	8.713	0	2028	49	1.2
1401.7	10000	38.3605	95.4957	-431	PD	3.1	0	9.7	0	1.2	0	0.319	0	2.682	0	8.416	0	2055	45	1.2
1401.6	10000	38.3611	95.4957	-435	PD	3.1	0	10.4	1	1.2	1	0.296	-1	2.476	-1	8.358	0	2091	49	1.1
1401.5	10000	38.3618	95.4957	-438	PD	3.3	0	10.1	1	1.3	1	0.324	0	2.601	-1	8.036	-1	2108	50	1.1
1401.4	10000	38.3624	95.4957	-441	PD	3.4	0	10.4	1	1.2	1	0.324	0	2.721	0	8.397	0	2127	56	1.1
1401.3	10000	38.3630	95.4957	-443	PD	3.2	0	10.7	1	1.2	1	0.297	-1	2.645	-1	8.900	0	2133	57	1.1
1401.2	10000	38.3636	95.4957	-445	PD	3.1	0	10.4	1	1.2	1	0.297	-1	2.611	-1	8.791	0	2118	55	1.1
1401.1	10000	38.3643	95.4958	-447	PD	3.1	0	10.5	1	1.2	0	0.298	-1	2.702	0	9.082	0	2109	51	1.1
1401.0	10000	38.3649	95.4958	-448	PD	3.4	0	10.7	1	1.1	0	0.315	0	3.003	0	9.534	0	2103	56	1.1
1400.9	10000	38.3655	95.4958	-449	PD	3.3	0	10.5	1	1.0	0	0.317	0	3.193	0	10.075	1	2078	46	1.1
1400.8	10000	38.3661	95.4958	-450	PD	3.1	0	10.8	1	1.0	0	0.285	-1	2.998	0	10.534	1	2058	46	1.1
1400.7	10000	38.3668	95.4958	-450	PD	2.9	-1	10.6	1	1.0	0	0.275	-1	2.784	0	10.133	1	2036	50	1.1
1400.6	10000	38.3674	95.4958	-450	PD	3.1	0	10.3	1	1.1	0	0.306	0	2.996	0	9.805	1	2019	39	1.1
1400.5	10000	38.3680	95.4958	-450	PD	3.0	0	10.2	0	1.1	0	0.293	-1	2.795	0	9.529	0	2006	51	1.1
1400.4	10000	38.3687	95.4958	-450	PD	3.0	0	10.0	0	1.1	0	0.303	-1	2.789	0	9.211	0	1995	43	1.1
1400.3	10000	38.3693	95.4958	-449	PD	2.8	-1	9.8	0	1.1	0	0.289	-1	2.655	-1	9.182	0	1985	54	1.1
1400.2	10000	38.3699	95.4958	-448	PD	3.0	0	9.1	0	1.1	0	0.329	0	2.718	0	8.272	0	1984	57	1.1
1400.1	10000	38.3705	95.4958	-448	PD	3.2	0	8.4	-1	1.1	0	0.380	1	2.935	0	7.713	-1	1982	45	1.1
1400.0	10000	38.3712	95.4958	-447	PD	3.2	0	7.8	-1	1.1	0	0.409	1	3.109	0	7.603	-1	1990	48	1.1
1399.9	10000	38.3718	95.4958	-445	PD	3.0	0	7.9	-1	1.1	0	0.397	1	2.994	0	7.537	-1	2012	49	1.1
1399.8	10000	38.3724	95.4958	-444	PD	3.2	0	8.1	-1	1.1	0	0.406	1	3.301	0	8.127	-1	2034	51	1.1
1399.7	10000	38.3730	95.4958	-443	PD	3.2	0	8.0	-1	1.1	0	0.430	1	3.470	0	8.075	-1	2035	37	1.1
1399.6	10000	38.3737	95.4959	-442	PD	3.2	0	7.9	-1	1.1	0	0.455	1	3.618	0	7.961	-1	2038	40	1.1
1399.5	10000	38.3743	95.4959	-440	PD	3.2	0	8.4	-1	1.1	0	0.439	1	3.712	0	8.462	-1	2018	52	1.1
1399.4	10000	38.3749	95.4959	-438	PD	3.2	0	8.1	-1	1.1	0	0.416	1	3.380	0	8.130	-1	2013	43	1.1
1399.3	10000	38.3755	95.4959	-437	PD	3.2	0	7.9	-1	1.1	0	0.412	1	3.260	0	7.904	-1	2036	47	1.1
1399.2	10000	38.3762	95.4959	-435	PD	3.2	0	7.8	-1	1.1	0	0.399	1	3.188	0	7.816	-1	2029	50	1.1
1399.1	10000	38.3768	95.4959	-433	PD	3.2	0	7.6	-1	1.1	0	0.372	1	3.113	0	7.559	-1	2023	53	1.1
1399.0	10000	38.3774	95.4959	-431	PD	3.2	0	7.7	-1	1.1	0	0.334	1	2.812	0	7.679	-1	2021	52	1.1
1398.9	10000	38.3781	95.4959	-429	PD	3.2	0	7.6	-1	1.1	0	0.334	1	2.561	0	7.584	-1	2021	63	1.1
1398.8	10000	38.3787	95.4959	-427	PD	3.2	0	7.6	-1	1.1	0	0.310	1	2.533	0	7.775	-1	2039	56	1.1
1398.7	10000	38.3793	95.4959	-424	PS	3.2	0	7.6	-1	1.1	0	0.296	1	2.412	0	7.419	-1	2041	56	1.1
1398.6	10000	38.3799	95.4959	-422	PS	3.2	0	7.6	-1	1.1	0	0.301	1	2.489	0	8.120	-1	2023	40	1.1
1398.5	10000	38.3806	95.4959	-419	PS	3.2	0	7.6	-1	1.1	0	0.283	1	2.445	0	8.128	-1	1994	60	1.1
1398.4	10000	38.3812	95.4959	-416	PS	3.2	0	7.6	-1	1.1	0	0.288	1	2.300	0	7.996	-1	1974	44	1.1
1398.3	10000	38.3818	95.4960	-413	PS	3.2	0	7.6	-1	1.1	0	0.320	1	2.610	0	8.166	-1	1967	50	1.1
1398.2	10000	38.3824	95.4960	-410	PS	3.2	0	7.6	-1	1.1	0	0.311	1	2.650	0	8.532	-1	1963	52	1.1
1398.1	10000	38.3831	95.4960	-407	PS	3.2	0	7.6	-1	1.1	0	0.345	1	2.785	0	8.078	-1	1960	47	1.1
1398.0	10000	38.3837	95.4960	-404	PS	3.2	0	7.6	-1	1.1	0	0.343	1	2.662	0	7.761	-1	1960	44	1.1
1397.9	10000	38.3843	95.4960	-401	PS	3.2	0	7.6	-1	1.1	0	0.344	1	2.682	0	7.794	-1	1954	40	1.1
1397.8	10000	38.3850	95.4960	-398	PS	2.9	-1	7.6	-1	1.0	-1	0.343	1	2.625	0	7.662	-1	1961	58	1.1

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1397.7	10000	38.3856	95.4960	-394	PS	3.0	0	8.5	-1	1.1	0	0.354	0	2.723	0	7.684	0	1963	50	1.2
1397.6	10000	38.3862	95.4960	-391	PS	2.7	-1	8.7	-1	1.1	0	0.309	0	2.440	0	7.891	0	1964	50	1.2
1397.5	10000	38.3868	95.4960	-388	PS	2.7	-1	8.6	-1	1.1	0	0.320	0	2.409	-1	7.531	-1	1975	55	1.2
1397.4	10000	38.3875	95.4960	-385	PS	2.5	-1	8.4	-1	1.1	0	0.296	-1	2.171	-1	7.341	-1	1970	49	1.2
1397.3	10000	38.3881	95.4960	-381	PS	2.8	-1	8.3	-1	1.1	0	0.340	0	2.444	0	7.195	-1	1976	46	1.2
1397.2	10000	38.3887	95.4960	-378	PS	3.0	0	8.5	-1	1.2	0	0.351	0	2.506	0	7.138	-1	1995	47	1.2
1397.1	10000	38.3893	95.4960	-376	PS	3.1	0	8.6	-1	1.2	0	0.356	1	2.542	0	7.140	-1	2037	39	1.2
1397.0	10000	38.3900	95.4960	-374	PS	3.3	0	8.6	-1	1.2	0	0.381	1	2.714	0	7.130	-1	2068	54	1.2
1396.9	10000	38.3906	95.4960	-373	PS	3.8	1	8.5	-1	1.3	0	0.440	2	2.992	1	6.794	-1	2111	48	1.2
1396.8	10000	38.3912	95.4960	-372	PS	3.6	1	8.6	-1	1.2	0	0.419	2	2.935	0	7.004	-1	2126	44	1.2
1396.7	10000	38.3918	95.4961	-371	PS	3.8	1	9.1	-1	1.2	0	0.418	2	3.138	1	7.510	-1	2158	60	1.2
1396.6	10000	38.3925	95.4961	-371	PS	3.6	1	8.8	-1	1.2	0	0.414	2	3.049	1	7.370	-1	2176	49	1.2
1396.5	10000	38.3931	95.4961	-372	PS	3.7	1	8.9	-1	1.2	0	0.416	2	3.035	1	7.298	-1	2190	42	1.2
1396.4	10000	38.3937	95.4961	-374	PS	4.1	2	9.0	-1	1.2	0	0.459	2	3.460	2	7.532	-1	2203	40	1.2
1396.3	10000	38.3944	95.4961	-376	PS	3.7	1	8.7	-1	1.2	0	0.418	2	3.002	1	7.184	-1	2211	30	1.2
1396.2	10000	38.3950	95.4961	-379	PS	3.5	1	8.6	-1	1.2	0	0.406	1	2.846	0	7.005	-1	2207	49	1.2
1396.1	10000	38.3956	95.4961	-383	PS	3.7	1	9.1	0	1.2	0	0.404	1	2.961	1	7.325	-1	2195	47	1.2
1396.0	10000	38.3962	95.4961	-388	PS	3.7	1	8.8	-1	1.2	0	0.418	2	3.029	1	7.251	-1	2186	45	1.2
1395.9	10000	38.3969	95.4961	-394	PS	3.6	1	9.3	0	1.2	0	0.383	1	2.968	1	7.759	0	2180	46	1.2
1395.8	10000	38.3975	95.4961	-401	PS	3.3	1	9.7	0	1.1	0	0.338	0	2.874	0	8.501	0	2174	63	1.2
1395.7	10000	38.3981	95.4961	-408	PS	3.1	0	10.0	1	1.1	0	0.313	0	2.793	0	8.926	1	2154	58	1.2
1395.6	10000	38.3988	95.4961	-416	PS	3.5	1	10.3	1	1.1	-1	0.336	0	3.232	1	9.630	1	2153	48	1.3
1395.5	10000	38.3994	95.4961	-426	PS	3.3	1	10.5	1	1.0	-1	0.316	0	3.175	1	10.040	1	2152	49	1.3
1395.4	10000	38.4000	95.4962	-436	PS	3.1	0	10.0	1	1.1	-1	0.313	0	2.942	1	9.412	1	2175	40	1.3
1395.3	10000	38.4006	95.4962	-447	PS	3.2	0	10.1	1	1.1	0	0.315	0	2.829	0	8.988	1	2187	54	1.3
1395.2	10000	38.4013	95.4962	-458	PS	3.2	0	9.9	1	1.2	0	0.325	0	2.786	0	8.561	0	2195	45	1.3
1395.1	10000	38.4019	95.4962	-470	PS	3.4	0	9.7	1	1.2	0	0.347	0	2.852	0	8.223	0	2194	48	1.3
1395.0	10000	38.4025	95.4962	-483	PS	3.3	0	9.4	0	1.2	0	0.352	0	2.770	0	7.870	0	2183	39	1.3
1394.9	10000	38.4031	95.4962	-497	PS	3.2	0	9.1	0	1.2	0	0.352	0	2.544	0	7.219	-1	2167	53	1.3
1394.8	10000	38.4038	95.4962	-512	PS	3.1	0	8.8	0	1.2	0	0.353	0	2.434	0	6.895	-1	2168	47	1.3
1394.7	10000	38.4044	95.4962	-526	PS	3.3	0	8.8	0	1.2	0	0.373	1	2.586	0	6.929	-1	2151	35	1.3
1394.6	10000	38.4050	95.4962	-541	PS	3.2	0	8.8	0	1.2	0	0.361	1	2.581	0	7.142	-1	2138	49	1.3
1394.5	10000	38.4056	95.4962	-555	PS	3.3	0	8.8	0	1.2	0	0.375	1	2.620	0	6.981	-1	2151	50	1.3
1394.4	10000	38.4063	95.4962	-569	PS	3.3	0	8.8	0	1.2	0	0.367	1	2.557	0	6.972	-1	2165	60	1.3
1394.3	10000	38.4069	95.4962	-584	PS	3.4	0	8.8	0	1.2	0	0.386	1	2.601	0	6.739	-1	2162	48	1.3
1394.2	10000	38.4075	95.4962	-597	PS	3.3	0	8.8	0	1.2	0	0.369	1	2.453	0	6.639	-1	2157	55	1.3
1394.1	10000	38.4081	95.4962	-610	PS	3.3	0	8.8	0	1.2	0	0.405	1	2.638	0	6.509	-1	2138	42	1.3
1394.0	10000	38.4088	95.4962	-624	PS	3.3	0	8.8	0	1.2	0	0.400	1	2.548	0	6.378	-2	2126	47	1.3
1393.9	10000	38.4094	95.4962	-637	PS	3.3	0	8.8	0	1.2	0	0.423	1	2.514	0	5.948	-2	2136	61	1.3
1393.8	10000	38.4100	95.4963	-649	PS	3.3	0	8.8	0	1.2	0	0.413	1	2.612	0	6.327	-2	2109	53	1.3
1393.7	10000	38.4107	95.4963	-661	PS	3.3	0	8.8	0	1.2	0	0.400	1	2.598	0	6.497	-1	2100	49	1.3
1393.6	10000	38.4113	95.4963	-673	PS	3.3	0	8.8	0	1.2	0	0.368	1	2.422	0	6.584	-1	2129	48	1.3
1393.5	10000	38.4119	95.4963	-685	PS	3.3	0	8.8	0	1.2	0	0.382	1	2.595	0	6.798	-1	2147	67	1.3
1393.4	10000	38.4125	95.4963	-696	PS	3.3	0	8.8	0	1.2	0	0.355	1	2.489	0	7.014	-1	2152	50	1.3
1393.3	10000	38.4132	95.4963	-706	PD	3.3	0	8.8	0	1.2	0	0.351	1	2.457	0	6.999	-1	2148	49	1.3
1393.2	10000	38.4138	95.4963	-716	PD	3.3	0	8.8	0	1.2	0	0.303	1	2.214	0	7.297	-1	2129	51	1.3
1393.1	10000	38.4144	95.4963	-725	PD	3.3	0	8.8	0	1.2	0	0.284	1	2.211	0	7.075	-1	2108	56	1.3
1393.0	10000	38.4150	95.4963	-733	PD	3.3	0	8.8	0	1.2	0	0.269	1	2.034	0	6.819	-1	2062	64	1.3
1392.9	10000	38.4157	95.4963	-740	PD	3.3	0	8.8	0	1.2	0	0.252	1	1.770	0	7.024	-1	2008	49	1.4
1392.8	10000	38.4163	95.4963	-745	PD	3.3	0	8.8	0	1.2	0	0.274	1	1.903	0	6.956	-1	1974	62	1.4
1392.7	10000	38.4169	95.4963	-750	PD	3.3	0	8.8	0	1.2	0	0.272	1	1.825	0	6.714	-2	1959	46	1.4
1392.6	10000	38.4175	95.4963	-755	PD	2.4	-1	8.3	0	1.1	0	0.290	1	2.166	-1	7.459	-1	1970	40	1.4

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1392.5	10000	38.4182	95.4964	-759	PD	3.0	0	8.4	-1	1.1	0	0.353	0	2.691	0	7.613	-1	1994	43	1.4
1392.4	10000	38.4188	95.4964	-764	PD	3.4	0	8.9	-1	1.1	0	0.379	1	3.057	0	8.058	-1	2045	59	1.4
1392.3	10000	38.4194	95.4964	-767	PD	3.7	1	9.3	0	1.1	0	0.394	1	3.436	1	8.724	0	2096	49	1.4
1392.2	10000	38.4201	95.4964	-771	PD	3.8	1	9.3	0	1.1	0	0.404	1	3.507	1	8.674	0	2156	42	1.4
1392.1	10000	38.4207	95.4964	-776	PS	3.4	1	9.9	0	1.1	-1	0.345	0	3.158	1	9.141	1	2189	54	1.4
1392.0	10000	38.4213	95.4964	-782	PS	3.6	1	10.4	1	1.1	-1	0.346	0	3.402	1	9.846	1	2206	47	1.4
1391.9	10000	38.4219	95.4964	-786	PS	3.3	0	10.2	1	1.1	0	0.318	0	2.963	1	9.311	1	2200	39	1.4
1391.8	10000	38.4226	95.4964	-791	PS	2.8	-1	10.5	1	1.1	0	0.264	-1	2.482	0	9.390	1	2178	48	1.4
1391.7	10000	38.4232	95.4964	-796	PS	2.6	-1	10.5	1	1.1	0	0.249	-1	2.397	-1	9.632	1	2156	61	1.4
1391.6	10000	38.4238	95.4964	-799	PS	2.6	-1	10.3	1	1.1	0	0.253	-1	2.340	-1	9.258	1	2127	67	1.4
1391.5	10000	38.4244	95.4964	-802	PS	2.8	-1	10.4	1	1.1	0	0.270	-1	2.500	0	9.257	1	2111	51	1.4
1391.4	10000	38.4251	95.4964	-803	PS	3.0	0	10.3	1	1.1	-1	0.290	-1	2.827	0	9.757	1	2102	50	1.4
1391.3	10000	38.4257	95.4964	-803	PS	3.3	0	10.1	1	1.1	-1	0.324	0	3.055	1	9.419	1	2108	56	1.4
1391.2	10000	38.4263	95.4964	-801	PS	3.3	0	10.3	1	1.1	-1	0.319	0	3.118	1	9.761	1	2115	47	1.4
1391.1	10000	38.4270	95.4964	-800	PS	3.5	1	10.2	1	1.1	-1	0.345	0	3.341	1	9.697	1	2117	40	1.4
1391.0	10000	38.4276	95.4964	-801	PS	3.4	0	9.9	1	1.1	-1	0.342	0	3.104	1	9.063	1	2104	54	1.4
1390.9	10000	38.4282	95.4965	-802	PS	3.3	0	9.9	1	1.1	-1	0.330	0	3.085	1	9.342	1	2106	40	1.4
1390.8	10000	38.4288	95.4965	-803	PS	3.1	0	9.6	1	1.0	-1	0.316	0	2.985	1	9.435	1	2099	52	1.4
1390.7	10000	38.4295	95.4965	-805	PS	3.0	0	9.2	1	1.1	-1	0.325	0	2.787	0	8.578	0	2099	32	1.4
1390.6	10000	38.4301	95.4965	-805	PS	2.8	-1	9.3	1	1.1	-1	0.297	-1	2.595	0	8.725	0	2083	44	1.4
1390.5	10000	38.4307	95.4965	-806	PS	2.9	0	9.1	1	1.1	0	0.317	0	2.582	0	8.144	0	2062	49	1.4
1390.4	10000	38.4313	95.4965	-807	PS	2.9	-1	8.8	1	1.1	-1	0.333	0	2.645	0	7.942	0	2049	58	1.4
1390.3	10000	38.4320	95.4965	-808	PS	2.9	-1	8.8	1	1.1	-1	0.333	0	2.675	0	8.031	0	2026	53	1.4
1390.2	10000	38.4326	95.4965	-808	PS	2.9	-1	8.8	1	1.1	-1	0.347	0	2.679	0	7.718	0	2029	51	1.4
1390.1	10000	38.4332	95.4965	-808	PS	2.9	-1	8.8	1	1.1	-1	0.355	0	2.774	0	7.817	0	2013	40	1.4
1390.0	10000	38.4339	95.4965	-808	PS	2.9	-1	8.8	1	1.1	-1	0.330	0	2.692	0	8.153	0	2002	44	1.4
1389.9	10000	38.4345	95.4965	-809	PS	2.9	-1	8.8	1	1.1	-1	0.325	0	2.576	0	7.890	0	1992	48	1.4
1389.8	10000	38.4351	95.4965	-809	PS	2.8	-1	8.8	1	1.1	-1	0.312	0	2.575	0	8.247	0	1980	51	1.4
1389.7	10000	38.4358	95.4965	-809	PS	2.8	-1	8.8	1	1.1	-1	0.307	0	2.698	0	8.779	0	1978	58	1.4
1389.6	10000	38.4364	95.4965	-809	PS	3.0	0	9.2	1	1.1	-1	0.318	0	2.791	0	8.770	0	1997	51	1.4
1389.5	10000	38.4370	95.4965	-809	PS	3.0	0	9.2	1	1.1	-1	0.309	0	2.814	0	9.117	1	1990	54	1.4
1389.4	10000	38.4377	95.4965	-808	PS	2.9	-1	8.8	1	1.1	-1	0.302	0	2.725	0	9.035	1	1978	60	1.4
1389.3	10000	38.4383	95.4965	-808	PS	2.9	-1	8.8	1	1.1	-1	0.338	0	2.973	0	8.797	0	1971	53	1.4
1389.2	10000	38.4390	95.4965	-808	PS	2.9	-1	8.8	1	1.1	-1	0.326	0	2.908	0	8.925	0	1974	51	1.4
1389.1	10000	38.4396	95.4965	-809	PS	2.9	-1	8.8	1	1.1	-1	0.334	0	2.944	0	8.824	0	2002	53	1.4
1389.0	10000	38.4402	95.4965	-809	PS	2.9	-1	8.8	1	1.1	-1	0.333	0	2.823	0	8.483	0	2025	47	1.4
1388.9	10000	38.4409	95.4965	-810	PS	2.9	-1	8.8	1	1.1	-1	0.309	0	2.633	0	8.525	0	2046	54	1.4
1388.8	10000	38.4415	95.4965	-810	PS	2.9	-1	8.8	1	1.1	-1	0.307	0	2.582	0	8.412	0	2061	44	1.4
1388.7	10000	38.4422	95.4965	-811	PS	2.9	-1	8.8	1	1.1	-1	0.297	0	2.509	0	8.444	0	2083	40	1.4
1388.6	10000	38.4428	95.4965	-811	PS	2.9	-1	8.8	1	1.1	-1	0.263	0	2.301	0	8.750	0	2092	49	1.4
1388.5	10000	38.4434	95.4965	-812	PS	2.9	-1	8.8	1	1.1	-1	0.257	0	2.346	0	8.118	0	2103	56	1.4
1388.4	10000	38.4441	95.4965	-813	PS	2.9	-1	8.8	1	1.1	-1	0.238	0	2.104	0	8.822	0	2105	60	1.4
1388.3	10000	38.4447	95.4965	-813	PS	2.9	-1	8.8	1	1.1	-1	0.212	0	1.852	0	8.757	0	2107	52	1.4
1388.2	10000	38.4453	95.4965	-813	PS	2.9	-1	8.8	1	1.1	-1	0.214	0	1.883	0	8.566	0	2111	44	1.4
1388.1	10000	38.4460	95.4965	-814	PS	2.9	-1	8.8	1	1.1	-1	0.229	0	1.983	0	8.474	0	2109	43	1.4
1388.0	10000	38.4466	95.4965	-815	PS	2.9	-1	8.8	1	1.1	-1	0.240	0	2.053	0	8.278	0	2127	50	1.4
1387.9	10000	38.4473	95.4965	-815	PS	2.9	-1	8.8	1	1.1	-1	0.262	0	2.252	0	8.046	0	2144	44	1.4
1387.8	10000	38.4479	95.4965	-815	PS	2.9	-1	8.8	1	1.1	-1	0.281	0	2.450	0	8.014	0	2131	49	1.4
1387.7	10000	38.4485	95.4965	-815	PS	2.9	-1	8.8	1	1.1	-1	0.298	0	2.622	0	8.231	0	2129	46	1.4
1387.6	10000	38.4492	95.4965	-815	PS	2.9	-1	8.8	1	1.1	-1	0.322	0	2.850	0	8.307	0	2108	47	1.4
1387.5	10000	38.4498	95.4965	-815	PS	2.9	-1	8.8	1	1.1	-1	0.368	0	3.245	0	8.293	0	2082	47	1.4
1387.4	10000	38.4504	95.4965	-815	PS	3.2	0	9.0	1	1.1	-1	0.354	0	3.134	0	8.004	0	2090	58	1.4

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1387.3	10000	38.4511	95.4965	-815	PS	3.2	0	8.9	-1	1.1	0	0.360	1	2.864	0	7.957	0	2099	56	1.4
1387.2	10000	38.4517	95.4965	-815	PS	3.2	0	8.9	-1	1.1	0	0.361	1	2.853	0	7.898	0	2113	36	1.4
1387.1	10000	38.4524	95.4965	-815	PS	3.1	0	8.8	-1	1.2	0	0.355	1	2.703	0	7.611	-1	2152	47	1.4
1387.0	10000	38.4530	95.4965	-815	PS	3.1	0	9.0	-1	1.2	0	0.344	0	2.567	0	7.467	-1	2162	69	1.4
1386.9	10000	38.4536	95.4965	-814	PS	3.2	0	9.3	0	1.3	1	0.341	0	2.496	0	7.309	-1	2187	54	1.4
1386.8	10000	38.4543	95.4965	-814	PS	3.0	0	9.5	0	1.3	1	0.320	0	2.370	-1	7.414	-1	2212	38	1.5
1386.7	10000	38.4549	95.4965	-814	PS	3.1	0	10.0	0	1.3	1	0.309	0	2.442	0	7.895	0	2213	55	1.5
1386.6	10000	38.4556	95.4965	-814	PS	3.1	0	10.0	0	1.3	1	0.307	0	2.410	-1	7.850	0	2203	62	1.5
1386.5	10000	38.4562	95.4965	-813	PS	3.0	0	10.3	1	1.2	1	0.295	-1	2.474	0	8.383	0	2197	40	1.5
1386.4	10000	38.4568	95.4965	-813	PS	3.1	0	10.4	1	1.3	1	0.297	-1	2.412	-1	8.118	0	2190	40	1.5
1386.3	10000	38.4575	95.4966	-813	PS	3.2	0	10.7	1	1.3	1	0.299	0	2.478	0	8.280	0	2180	39	1.5
1386.2	10000	38.4581	95.4966	-813	PS	3.2	0	10.7	1	1.3	1	0.294	-1	2.434	-1	8.271	0	2172	43	1.5
1386.1	10000	38.4587	95.4966	-812	PS	3.2	0	10.6	1	1.3	1	0.302	0	2.514	0	8.316	0	2175	57	1.5
1386.0	10000	38.4594	95.4966	-812	PS	3.2	0	10.3	1	1.2	0	0.308	0	2.548	0	8.272	0	2180	45	1.5
1385.9	10000	38.4600	95.4966	-812	PS	3.3	0	10.2	1	1.2	0	0.326	0	2.725	0	8.364	0	2191	42	1.5
1385.8	10000	38.4607	95.4966	-813	PS	3.5	1	9.5	1	1.3	1	0.366	1	2.701	0	7.374	-1	2185	53	1.5
1385.7	10000	38.4613	95.4966	-812	PS	3.5	1	9.5	1	1.2	0	0.371	1	2.883	0	7.779	0	2176	53	1.5
1385.6	10000	38.4619	95.4966	-812	PS	3.8	1	9.2	1	1.2	0	0.409	1	3.262	1	7.974	0	2180	62	1.5
1385.5	10000	38.4626	95.4966	-812	PS	3.9	2	9.3	1	1.1	0	0.421	2	3.514	2	8.354	0	2198	39	1.5
1385.4	10000	38.4632	95.4966	-813	PS	4.1	2	9.1	1	1.1	0	0.449	2	3.647	2	8.128	0	2201	50	1.5
1385.3	10000	38.4638	95.4966	-813	PS	4.3	2	8.8	1	1.1	0	0.489	3	3.796	2	7.767	0	2190	38	1.5
1385.2	10000	38.4645	95.4966	-813	PS	4.2	2	8.9	1	1.1	0	0.469	3	3.721	2	7.926	0	2160	46	1.5
1385.1	10000	38.4651	95.4966	-813	PS	4.0	2	8.8	1	1.0	-1	0.456	2	4.016	3	8.804	0	2119	43	1.5
1385.0	10000	38.4658	95.4966	-814	PS	4.2	2	8.5	1	1.1	-1	0.496	3	4.281	3	8.630	0	2093	51	1.5
1384.9	10000	38.4664	95.4966	-814	PS	4.2	2	8.3	1	1.1	-1	0.507	3	4.066	3	8.014	0	2091	69	1.5
1384.8	10000	38.4670	95.4966	-815	PS	4.1	2	7.9	1	1.0	-1	0.522	3	4.022	3	7.701	0	2074	40	1.6
1384.7	10000	38.4677	95.4966	-815	PS	3.9	2	8.1	1	1.1	-1	0.482	2	3.848	2	7.981	0	2063	58	1.6
1384.6	10000	38.4683	95.4966	-816	PS	3.8	1	8.3	1	1.1	-1	0.455	2	3.576	2	7.856	0	2087	43	1.6
1384.5	10000	38.4689	95.4966	-816	PS	3.9	2	8.7	1	1.2	-1	0.452	2	3.443	1	7.616	-1	2107	29	1.6
1384.4	10000	38.4696	95.4966	-817	PS	4.0	2	8.8	1	1.2	-1	0.452	2	3.083	1	7.307	-1	2127	45	1.6
1384.3	10000	38.4702	95.4966	-817	PS	3.7	2	7.9	1	1.1	-1	0.423	2	2.766	1	7.436	-1	2150	57	1.6
1384.2	10000	38.4709	95.4966	-818	PS	3.5	2	8.1	1	1.1	-1	0.357	2	2.551	1	7.145	-1	2154	56	1.6
1384.1	10000	38.4715	95.4966	-818	PS	3.5	2	8.3	1	1.2	-1	0.349	2	2.478	1	7.099	-1	2147	52	1.6
1384.0	10000	38.4721	95.4966	-819	PS	3.5	2	8.3	1	1.2	-1	0.348	2	2.396	1	6.875	-1	2150	60	1.6
1383.9	10000	38.4728	95.4966	-819	PD	3.5	2	8.3	1	1.2	-1	0.358	2	2.431	1	6.794	-2	2134	50	1.6
1383.8	10000	38.4734	95.4966	-820	PD	3.5	2	8.3	1	1.2	-1	0.374	2	2.513	1	6.716	-2	2134	48	1.6
1383.7	10000	38.4741	95.4966	-821	PD	3.5	2	8.3	1	1.2	-1	0.372	2	2.537	1	6.816	-1	2150	46	1.6
1383.6	10000	38.4747	95.4966	-821	PD	3.5	2	8.3	1	1.2	-1	0.390	2	2.602	1	6.664	-2	2156	43	1.6
1383.5	10000	38.4753	95.4966	-821	PD	3.5	2	8.3	1	1.2	-1	0.355	2	2.463	1	6.969	-1	2160	53	1.6
1383.4	10000	38.4760	95.4966	-822	PD	3.5	2	8.3	1	1.2	-1	0.360	2	2.543	1	7.068	-1	2173	53	1.6
1383.3	10000	38.4766	95.4966	-822	PD	3.5	2	8.3	1	1.2	-1	0.371	2	2.604	1	7.017	-1	2163	43	1.6
1383.2	10000	38.4772	95.4966	-823	PD	3.5	2	8.3	1	1.2	-1	0.361	2	2.562	1	7.100	-1	2170	50	1.6
1383.1	10000	38.4779	95.4966	-823	PD	3.5	2	8.3	1	1.2	-1	0.342	2	2.375	1	6.949	-1	2155	37	1.6
1383.0	10000	38.4785	95.4966	-823	PD	3.5	2	8.3	1	1.2	-1	0.353	2	2.541	1	7.199	-1	2142	48	1.6
1382.9	10000	38.4792	95.4966	-824	PD	3.5	2	8.3	1	1.2	-1	0.402	2	2.913	1	7.240	-1	2129	37	1.6
1382.8	10000	38.4798	95.4966	-825	PD	3.5	2	8.3	1	1.2	-1	0.444	2	3.399	1	7.661	-1	2106	43	1.6
1382.7	10000	38.4804	95.4966	-825	PD	3.5	2	8.3	1	1.2	-1	0.422	2	3.154	1	7.475	-1	2081	55	1.6
1382.6	10000	38.4811	95.4966	-825	PD	3.5	2	8.3	1	1.2	-1	0.455	3	3.436	2	7.843	-1	2060	53	1.6
1382.5	10000	38.4817	95.4966	-826	PD	3.5	2	8.3	1	1.2	-1	0.406	2	3.066	2	8.091	-1	2009	54	1.7
1382.4	10000	38.4824	95.4966	-827	PD	3.5	2	8.3	1	1.2	-1	0.377	2	2.543	1	8.738	0	1976	38	1.7
1382.3	10000	38.4830	95.4966	-827	PD	3.5	2	8.3	1	1.2	-1	0.326	2	2.133	1	8.311	0	1952	54	1.7
1382.2	10000	38.4836	95.4966	-827	PD	2.7	1	8.3	1	1.0	-1	0.328	2	2.777	1	8.460	0	1906	54	1.7

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1382.1	10000	38.4843	95.4966	-828	PD	2.6	-1	8.1	-1	1.0	-1	0.315	0	2.573	-1	8.162	-1	1879	39	1.7
1382.0	10000	38.4849	95.4966	-829	PD	2.4	-2	8.4	-1	1.0	-1	0.282	-1	2.405	-1	8.527	0	1847	50	1.7
1381.9	10000	38.4855	95.4966	-829	PD	2.[illegible]	-2	8.6	-1	1.0	0	0.245	-2	2.080	-1	8.485	0	1823	44	1.7
1381.8	10000	38.4862	95.4966	-829	PD	1.9	-3	8.5	-1	1.1	0	0.223	-2	1.786	-2	8.017	-1	1802	50	1.7
1381.7	10000	38.4868	95.4966	-830	PD	2.1	-2	8.3	-1	1.0	0	0.253	-1	2.000	-2	7.921	-1	1789	52	1.7
1381.6	10000	38.4875	95.4966	-830	PD	2.3	-2	8.0	-1	1.0	-1	0.284	-1	2.294	-1	8.085	-1	1784	46	1.7
1381.5	10000	38.4881	95.4966	-830	PD	2.3	-2	8.2	-1	1.0	0	0.281	-1	2.216	-1	7.881	-1	1799	42	1.7
1381.4	10000	38.4887	95.4966	-830	PD	2.3	-2	8.0	-1	1.0	0	0.292	-1	2.292	-1	7.846	-1	1811	56	1.7
1381.3	10000	38.4894	95.4966	-830	PD	2.7	-1	7.7	-2	1.0	-1	0.347	0	2.718	0	7.839	-1	1848	48	1.7
1381.2	10000	38.4900	95.4966	-830	PD	2.7	-1	8.0	-1	1.0	-1	0.339	0	2.672	0	7.885	-1	1900	56	1.7
1381.1	10000	38.4906	95.4966	-830	PS	2.6	-1	8.3	-1	1.0	-1	0.308	0	2.472	0	8.018	0	1972	45	1.7
1381.0	10000	38.4913	95.4966	-830	PS	2.8	-1	8.2	-1	1.1	0	0.343	0	2.539	0	7.403	-1	2040	48	1.7
1380.9	10000	38.4919	95.4966	-829	PS	3.1	0	8.5	-1	1.1	0	0.361	1	2.687	0	7.451	-1	2100	48	1.7
1380.8	10000	38.4926	95.4966	-829	PS	3.2	0	8.8	-1	1.1	0	0.362	1	2.820	0	7.796	0	2156	48	1.7
1380.7	10000	38.4932	95.4966	-830	PS	3.2	0	9.4	0	1.2	0	0.344	0	2.631	0	7.639	-1	2201	47	1.7
1380.6	10000	38.4938	95.4966	-830	PS	3.3	0	9.6	0	1.3	1	0.342	0	2.501	0	7.324	-1	2239	54	1.7
1380.5	10000	38.4945	95.4966	-830	PS	3.3	0	9.4	0	1.3	1	0.351	0	2.467	0	7.032	-1	2262	65	1.7
1380.4	10000	38.4951	95.4966	-830	PS	3.6	1	9.3	0	1.3	1	0.382	1	2.644	0	6.919	-1	2267	39	1.7
1380.3	10000	38.4957	95.4966	-830	PS	3.6	1	9.8	0	1.3	1	0.366	1	2.784	0	7.615	-1	2271	40	1.7
1380.2	10000	38.4964	95.4966	-830	PS	3.5	1	9.7	0	1.3	1	0.359	1	2.602	0	7.251	-1	2268	35	1.7
1380.1	10000	38.4970	95.4966	-829	PS	3.4	1	9.2	0	1.4	1	0.364	1	2.439	-1	6.707	-1	2255	40	1.7
1380.0	10000	38.4977	95.4966	-829	PS	3.4	0	9.0	-1	1.3	1	0.384	1	2.640	0	6.880	-1	2233	50	1.7
1379.9	10000	38.4983	95.4966	-828	PS	3.3	1	9.0	-1	1.2	0	0.369	1	2.671	0	7.234	-1	2224	40	1.7
1379.8	10000	38.4989	95.4966	-827	PS	3.4	1	9.4	0	1.2	0	0.359	1	2.719	0	7.567	-1	2222	53	1.7
1379.7	10000	38.4996	95.4966	-827	PS	3.5	1	9.3	0	1.2	0	0.379	1	2.926	0	7.716	0	2233	55	1.7
1379.6	10000	38.5002	95.4966	-826	PS	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	2243	45	1.7
1379.5	10000	38.5009	95.4966	-825	PS	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	2249	47	1.7
1379.4	10000	38.5015	95.4966	-824	PS	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	8.[illegible]	-1	2273	45	1.7
1379.3	10000	38.5021	95.4966	-824	PD	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	8.[illegible]	-1	2286	33	1.6
1379.2	10000	38.5028	95.4966	-823	PD	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	8.[illegible]	-1	2294	62	1.6
1379.1	10000	38.5034	95.4966	-822	PD	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	2276	53	1.6
1379.0	10000	38.5040	95.4966	-821	PD	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	2254	50	1.6
1378.9	10000	38.5047	95.4966	-820	PD	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	2211	44	1.6
1378.8	10000	38.5053	95.4966	-819	PD	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	2161	60	1.6
1378.7	10000	38.5060	95.4966	-818	PD	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	2092	49	1.6
1378.6	10000	38.5066	95.4966	-817	PD	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	2052	55	1.6
1378.5	10000	38.5071	95.4966	-815	PD	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	1992	37	1.6
1378.4	10000	38.5077	95.4966	-814	PD	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	1946	45	1.6
1378.3	10000	38.5083	95.4966	-812	PD	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	1924	41	1.6
1378.2	10000	38.5089	95.4966	-810	PS	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	1926	45	1.6
1378.1	10000	38.5095	95.4966	-808	PS	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	1929	35	1.6
1378.0	10000	38.5101	95.4966	-807	PS	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	1955	40	1.6
1377.9	10000	38.5107	95.4966	-805	PS	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	1997	62	1.6
1377.8	10000	38.5113	95.4966	-803	PS	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	2034	53	1.6
1377.7	10000	38.5119	95.4965	-802	PS	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	2088	36	1.6
1377.6	10000	38.5125	95.4965	-800	PS	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	2124	44	1.6
1377.5	10000	38.5130	95.4965	-798	PS	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	2151	56	1.6
1377.4	10000	38.5136	95.4965	-796	PS	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	2214	47	1.6
1377.3	10000	38.5142	95.4965	-794	PS	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	2236	44	1.6
1377.2	10000	38.5148	95.4965	-792	PS	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	2256	48	1.6
1377.1	10000	38.5154	95.4965	-790	PS	3.[illegible]	1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	7.[illegible]	-1	2275	51	1.6
1377.0	10000	38.5160	95.4965	-788	PS	2.9	-1	9.[illegible]	0	1.[illegible]	0	0.[illegible]	1	2.[illegible]	0	8.[illegible]	-1	2282	37	1.6

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1376.9	10000	38.5166	95.4965	-786	PS	3.0	0	11.2	1	1.2	0	0.263	-1	2.437	-1	9.274	1	2273	40	1.6
1376.8	10000	38.5172	95.4965	-784	PS	3.0	0	10.4	1	1.2	0	0.284	-1	2.512	0	8.842	0	2245	50	1.6
1376.7	10000	38.5178	95.4965	-782	PS	2.9	0	10.4	1	1.2	0	0.277	-1	2.406	-1	8.672	0	2223	40	1.6
1376.6	10000	38.5184	95.4965	-780	PS	2.8	-1	10.5	1	1.2	0	0.261	-1	2.252	-1	8.614	0	2228	47	1.6
1376.5	10000	38.5190	95.4965	-778	PS	2.8	-1	10.3	1	1.3	0	0.273	-1	2.231	-1	8.160	0	2210	47	1.6
1376.4	10000	38.5195	95.4965	-775	PS	2.8	-1	9.4	0	1.2	0	0.294	-1	2.229	-1	7.574	-1	2193	59	1.6
1376.3	10000	38.5201	95.4965	-773	PS	2.4	-1	9.7	0	1.3	1	0.251	-1	1.867	-2	7.446	-1	2173	57	1.6
1376.2	10000	38.5207	95.4964	-771	PS	2.5	-1	9.4	0	1.4	1	0.265	-1	1.814	-2	6.850	-1	2167	47	1.6
1376.1	10000	38.5213	95.4964	-770	PS	2.6	-1	10.0	0	1.4	1	0.262	-1	1.881	-2	7.185	-1	2169	38	1.5
1376.0	10000	38.5219	95.4964	-768	PS	2.7	-1	9.8	0	1.4	1	0.274	-1	1.937	-1	7.077	-1	2166	48	1.5
1375.9	10000	38.5225	95.4964	-765	PS	2.8	-1	9.7	0	1.3	1	0.288	-1	2.100	-1	7.290	-1	2161	41	1.5
1375.8	10000	38.5231	95.4964	-763	PS	2.6	-1	10.0	0	1.3	1	0.265	-1	2.029	-1	7.671	-1	2169	43	1.5
1375.7	10000	38.5237	95.4964	-761	PS	2.7	-1	10.3	1	1.4	1	0.262	-1	1.994	-1	7.600	-1	2181	50	1.5
1375.6	10000	38.5243	95.4964	-759	PS	3.0	0	9.9	0	1.3	1	0.306	0	2.330	-1	7.620	-1	2182	52	1.5
1375.5	10000	38.5249	95.4964	-757	PS	3.2	0	9.9	0	1.2	0	0.323	0	2.576	0	7.979	0	2188	66	1.5
1375.4	10000	38.5255	95.4964	-755	PS	3.0	0	9.7	0	1.3	0	0.313	0	2.373	-1	7.586	-1	2191	41	1.5
1375.3	10000	38.5260	95.4964	-753	PS	3.0	0	9.7	0	1.2	0	0.305	0	2.456	0	8.056	0	2186	51	1.5
1375.2	10000	38.5266	95.4964	-751	PS	2.8	-1	9.7	0	1.2	0	0.285	-1	2.242	-1	7.878	0	2170	52	1.5
1375.1	10000	38.5272	95.4964	-749	PS	2.8	-1	9.4	0	1.2	0	0.294	-1	2.244	-1	7.622	-1	2142	34	1.5
1375.0	10000	38.5278	95.4964	-747	PS	2.9	0	9.3	0	1.2	0	0.314	0	2.488	0	7.930	0	2114	48	1.5
1374.9	10000	38.5284	95.4964	-745	PS	2.9	0	9.3	0	1.1	0	0.315	0	2.555	0	8.115	0	2099	49	1.5
1374.8	10000	38.5290	95.4964	-743	PS	2.5	-1	9.6	0	1.1	0	0.261	-1	2.166	-1	8.312	0	2089	39	1.5
1374.7	10000	38.5296	95.4964	-742	PS	2.7	-1	9.6	0	1.1	0	0.279	-1	2.393	-1	8.570	0	2074	48	1.5
1374.6	10000	38.5302	95.4964	-741	PS	2.6	-1	9.5	0	1.2	0	0.272	-1	2.218	-1	8.151	0	2069	42	1.5
1374.5	10000	38.5308	95.4963	-739	PS	2.7	-1	9.5	0	1.2	0	0.284	-1	2.299	-1	8.094	0	2074	33	1.5
1374.4	10000	38.5314	95.4963	-737	PS	2.7	-1	9.3	0	1.2	0	0.290	-1	2.337	-1	8.057	0	2077	47	1.5
1374.3	10000	38.5319	95.4963	-736	PS	2.7	-1	9.2	0	1.2	0	0.289	-1	2.234	-1	7.729	0	2075	48	1.5
1374.2	10000	38.5325	95.4963	-735	PS	2.7	-1	9.1	-1	1.2	0	0.296	-1	2.245	-1	7.580	-1	2067	47	1.5
1374.1	10000	38.5331	95.4963	-734	PS	3.1	0	8.8	-1	1.2	0	0.353	0	2.587	0	7.329	-1	2056	50	1.5
1374.0	10000	38.5337	95.4963	-732	PS	3.3	0	8.7	-1	1.2	0	0.375	1	2.744	0	7.321	-1	2083	45	1.5
1373.9	10000	38.5343	95.4963	-731	PS	3.5	0	8.8	-1	1.2	0	0.403	1	3.029	0	7.520	-1	2080	48	1.5
1373.8	10000	38.5349	95.4963	-730	PS	3.4	0	8.8	-1	1.2	0	0.428	1	3.128	0	7.308	-1	2078	37	1.5
1373.7	10000	38.5355	95.4963	-728	PS	3.4	0	8.8	-1	1.2	0	0.411	1	2.931	0	7.118	-1	2070	40	1.5
1373.6	10000	38.5361	95.4963	-728	PS	3.4	0	8.8	-1	1.2	0	0.384	1	3.180	0	7.505	-1	2079	45	1.5
1373.5	10000	38.5367	95.4963	-726	PS	3.5	0	8.8	-1	1.2	0	0.349	1	3.277	0	7.963	-1	2094	53	1.5
1373.4	10000	38.5373	95.4963	-725	PS	3.6	0	8.8	-1	1.2	0	0.354	1	3.148	0	8.187	-1	2105	46	1.5
1373.3	10000	38.5379	95.4963	-724	PS	3.6	0	8.8	-1	1.2	0	0.333	1	3.184	0	8.182	-1	2099	47	1.5
1373.2	10000	38.5384	95.4963	-723	PS	3.6	0	8.8	-1	1.2	0	0.332	1	3.307	0	8.140	-1	2117	59	1.5
1373.1	10000	38.5390	95.4963	-721	PS	3.6	0	8.8	-1	1.2	0	0.298	1	3.287	0	8.209	-1	2127	41	1.5
1373.0	10000	38.5396	95.4962	-720	PS	3.6	0	8.8	-1	1.2	0	0.314	1	3.311	0	8.450	-1	2139	48	1.5
1372.9	10000	38.5402	95.4962	-718	PS	3.6	0	8.8	-1	1.2	0	0.338	1	3.345	0	8.838	-1	2154	35	1.5
1372.8	10000	38.5408	95.4962	-717	PS	3.6	0	8.8	-1	1.2	0	0.376	1	3.402	0	8.696	-1	2163	52	1.5
1372.7	10000	38.5414	95.4962	-716	PS	3.6	0	8.8	-1	1.2	0	0.408	1	3.438	0	8.310	-1	2154	41	1.5
1372.6	10000	38.5420	95.4962	-714	PS	3.6	0	8.8	-1	1.2	0	0.422	1	3.467	0	8.467	-1	2146	43	1.5
1372.5	10000	38.5426	95.4962	-713	PS	3.6	0	8.8	-1	1.2	0	0.380	1	3.252	0	7.522	-1	2127	48	1.5
1372.4	10000	38.5432	95.4962	-712	PS	3.6	0	8.8	-1	1.2	0	0.359	1	3.089	0	7.897	-1	2116	31	1.5
1372.3	10000	38.5438	95.4962	-710	PS	3.6	0	8.8	-1	1.2	0	0.346	1	3.036	0	8.362	-1	2121	44	1.5
1372.2	10000	38.5443	95.4962	-709	PS	3.6	0	8.8	-1	1.2	0	0.376	1	3.141	0	8.288	-1	2114	52	1.5
1372.1	10000	38.5449	95.4962	-707	PS	3.6	0	8.8	-1	1.2	0	0.408	1	3.305	0	8.088	-1	2117	47	1.5
1372.0	10000	38.5455	95.4962	-705	PS	3.6	0	8.8	-1	1.2	0	0.428	1	3.745	0	8.745	-1	2120	33	1.5
1371.9	10000	38.5461	95.4962	-704	PS	3.6	0	8.8	-1	1.2	0	0.438	1	3.848	0	8.384	-1	2124	37	1.5
1371.8	10000	38.5467	95.4962	-702	PS	3.5	0	8.8	-1	1.2	0	0.422	1	3.798	0	8.298	-1	2142	47	1.5

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1371.7	10000	38.5473	95.4962	-700	PS	3.7	1	8.8	-1	1.1	0	0.417	2	3.319	1	7.960	0	2145	47	1.5
1371.6	10000	38.5479	95.4962	-698	PS	3.5	1	8.7	-1	1.1	0	0.405	1	3.083	1	7.619	-1	2134	55	1.5
1371.5	10000	38.5485	95.4962	-696	PS	3.4	1	8.4	-1	1.1	0	0.405	1	3.006	1	7.427	-1	2144	41	1.5
1371.4	10000	38.5491	95.4962	-694	PS	3.4	0	8.7	-1	1.2	0	0.390	1	2.888	0	7.411	-1	2149	50	1.5
1371.3	10000	38.5497	95.4961	-692	PS	3.4	1	9.1	0	1.2	0	0.376	1	2.807	0	7.465	-1	2172	48	1.5
1371.2	10000	38.5503	95.4961	-690	PS	3.0	0	9.2	0	1.3	0	0.327	0	2.358	-1	7.207	-1	2186	33	1.5
1371.1	10000	38.5508	95.4961	-688	PS	3.1	0	8.9	-1	1.3	1	0.353	0	2.425	-1	6.868	-1	2196	45	1.5
1371.0	10000	38.5514	95.4961	-686	PS	3.2	0	9.5	0	1.3	1	0.339	0	2.426	-1	7.147	-1	2228	46	1.5
1370.9	10000	38.5520	95.4961	-684	PS	3.4	1	9.8	0	1.3	1	0.347	0	2.604	0	7.505	-1	2264	46	1.5
1370.8	10000	38.5526	95.4961	-682	PS	3.6	1	10.1	0	1.3	1	0.353	0	2.801	0	7.928	0	2272	43	1.5
1370.7	10000	38.5532	95.4961	-679	PS	3.4	1	10.1	0	1.3	1	0.339	0	2.669	0	7.884	0	2267	50	1.5
1370.6	10000	38.5538	95.4961	-677	PS	3.4	0	9.3	0	1.3	1	0.361	1	2.679	0	7.422	-1	2246	51	1.4
1370.5	10000	38.5544	95.4961	-675	PS	3.5	1	9.0	-1	1.2	0	0.396	1	2.997	1	7.577	-1	2217	49	1.4
1370.4	10000	38.5550	95.4961	-672	PS	3.7	1	9.3	0	1.2	0	0.398	1	3.201	1	8.046	0	2199	47	1.4
1370.3	10000	38.5556	95.4961	-670	PS	3.6	1	8.5	-1	1.1	0	0.422	2	3.161	1	7.489	-1	2162	49	1.4
1370.2	10000	38.5562	95.4961	-668	PS	3.6	1	8.3	-1	1.1	0	0.427	2	3.245	1	7.600	-1	2121	48	1.4
1370.1	10000	38.5568	95.4961	-665	PS	3.4	1	8.0	-1	1.1	0	0.425	2	3.019	1	7.104	-1	2091	51	1.4
1370.0	10000	38.5573	95.4961	-663	PS	3.4	0	7.3	-2	1.1	-1	0.460	2	3.084	1	6.709	-1	2068	49	1.4
1369.9	10000	38.5579	95.4960	-661	PS	3.2	0	7.6	-2	1.1	0	0.425	2	2.938	1	6.917	-1	2069	56	1.4
1369.8	10000	38.5585	95.4960	-658	PS	3.2	0	7.7	-2	1.1	0	0.417	2	2.782	0	6.672	-1	2086	54	1.4
1369.7	10000	38.5591	95.4960	-656	PS	3.1	0	7.4	-2	1.2	0	0.412	2	2.593	0	6.295	-2	2082	45	1.4
1369.6	10000	38.5597	95.4960	-653	PS	3.0	0	7.7	-2	1.2	0	0.389	1	2.470	0	6.352	-2	2068	48	1.4
1369.5	10000	38.5603	95.4960	-651	PS	2.8	-1	7.8	-2	1.2	0	0.357	1	2.300	-1	6.447	-1	2028	49	1.4
1369.4	10000	38.5609	95.4960	-649	PS	2.7	-1	7.9	-2	1.2	0	0.339	0	2.312	-1	6.821	-1	1980	42	1.4
1369.3	10000	38.5615	95.4960	-646	PS	2.7	-1	7.9	-2	1.1	0	0.346	1	2.398	-1	6.941	-1	1937	51	1.4
1369.2	10000	38.5621	95.4960	-643	PS	2.7	-1	7.8	-2	1.1	0	0.357	1	2.481	-1	6.951	-1	1893	51	1.4
1369.1	10000	38.5627	95.4960	-640	PD	2.7	-1	7.8	-2	1.1	0	0.346	1	2.533	-1	7.317	-1	1843	43	1.4
1369.0	10000	38.5633	95.4960	-637	PD	2.8	-1	7.6	-2	1.1	0	0.358	1	2.709	-1	7.566	-1	1815	51	1.4
1368.9	10000	38.5638	95.4960	-634	PD	2.7	-1	7.5	-2	1.1	0	0.378	1	2.973	-1	7.867	-1	1802	47	1.4
1368.8	10000	38.5644	95.4960	-632	PD	2.8	-1	7.3	-2	1.1	0	0.399	1	2.928	-1	7.345	-1	1839	53	1.4
1368.7	10000	38.5650	95.4960	-629	PD	2.9	-1	7.0	-2	1.1	0	0.432	1	2.930	-2	6.780	-2	1871	39	1.4
1368.6	10000	38.5656	95.4960	-626	PD	2.7	-1	7.3	-2	1.1	0	0.429	1	2.929	-1	6.823	-1	1900	41	1.4
1368.5	10000	38.5662	95.4960	-623	PD	2.7	-1	7.3	-2	1.1	0	0.459	1	3.086	-2	6.725	-2	1919	38	1.4
1368.4	10000	38.5668	95.4960	-620	PD	2.7	-1	7.3	-2	1.1	0	0.501	1	3.462	-1	6.915	-1	1921	63	1.4
1368.3	10000	38.5674	95.4960	-618	PD	2.6	-1	7.1	-2	1.1	0	0.509	1	3.378	-2	6.633	-2	1915	49	1.4
1368.2	10000	38.5680	95.4959	-615	PD	2.6	-1	7.1	-2	1.1	0	0.522	1	3.267	-2	6.258	-2	1918	45	1.4
1368.1	10000	38.5686	95.4959	-612	PD	2.7	-1	8.8	-2	1.1	0	0.548	1	3.418	-2	6.235	-2	1899	54	1.4
1368.0	10000	38.5692	95.4959	-609	PD	2.8	-1	8.8	-2	1.1	0	0.564	1	3.542	-2	6.279	-2	1916	54	1.4
1367.9	10000	38.5698	95.4959	-605	PD	2.8	-1	8.8	-2	1.1	0	0.540	1	3.527	-2	6.526	-2	1956	49	1.4
1367.8	10000	38.5703	95.4959	-602	PD	2.8	-1	8.8	-2	1.1	0	0.519	1	3.501	-2	6.748	-2	1992	43	1.4
1367.7	10000	38.5709	95.4959	-599	PD	2.8	-1	8.8	-2	1.1	0	0.447	1	2.963	-2	6.629	-2	2061	44	1.4
1367.6	10000	38.5715	95.4959	-596	PD	2.8	-1	8.7	-2	1.1	0	0.414	1	2.902	-1	7.007	-1	2143	47	1.4
1367.5	10000	38.5721	95.4959	-593	PD	2.7	-1	8.5	-2	1.1	0	0.407	1	2.969	-1	7.301	-1	2209	50	1.4
1367.4	10000	38.5727	95.4959	-590	PD	2.7	-1	8.5	-2	1.1	0	0.450	1	3.255	-1	7.241	-1	2265	51	1.4
1367.3	10000	38.5733	95.4959	-586	PD	2.7	-1	8.5	-2	1.1	0	0.412	1	3.177	-1	7.705	-1	2288	51	1.4
1367.2	10000	38.5739	95.4959	-583	PD	2.7	-1	8.5	-2	1.1	0	0.412	1	3.123	-1	7.564	-1	2286	39	1.4
1367.1	10000	38.5745	95.4959	-579	PD	2.7	-1	8.5	-2	1.1	0	0.402	1	2.986	-1	7.432	-1	2288	34	1.4
1367.0	10000	38.5751	95.4959	-576	PD	2.7	-1	8.5	-2	1.1	0	0.428	1	3.128	-1	7.309	-1	2273	40	1.4
1366.9	10000	38.5757	95.4959	-573	PD	2.7	-1	8.5	-2	1.1	0	0.412	1	2.919	-1	7.090	-1	2253	51	1.4
1366.8	10000	38.5763	95.4959	-569	PD	2.7	-1	8.5	-2	1.1	0	0.402	1	2.975	-1	7.300	-1	2233	56	1.4
1366.7	10000	38.5768	95.4958	-565	PD	2.7	-1	8.5	-2	1.1	0	0.347	1	2.805	-1	8.088	-1	2252	42	1.4
1366.6	10000	38.5774	95.4958	-562	PD	2.7	-1	8.5	-2	1.1	0	0.377	1	2.887	-1	7.662	-1	2295	50	1.4

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1366.5	10000	38.5780	95.4958	-558	PD	3.8	1	10.2	0	1.3	1	0.377	1	2.890	0	7.673	-1	2340	46	1.4
1366.4	10000	38.5786	95.4958	-554	PD	3.7	1	10.3	0	1.4	2	0.365	1	2.732	0	7.489	-1	2376	48	1.4
1366.3	10000	38.5792	95.4958	-550	PD	4.1	2	10.5	1	1.4	2	0.396	1	2.881	0	7.278	-1	2410	47	1.4
1366.2	10000	38.5798	95.4958	-546	PD	4.2	2	10.6	1	1.4	2	0.393	1	2.923	0	7.440	-1	2414	49	1.4
1366.1	10000	38.5804	95.4958	-542	PD	4.3	2	10.9	1	1.5	2	0.394	1	2.906	0	7.380	-1	2437	61	1.4
1366.0	10000	38.5810	95.4958	-538	PD	4.0	2	10.3	1	1.5	2	0.388	1	2.653	-1	6.834	-1	2421	53	1.4
1365.9	10000	38.5816	95.4958	-534	PD	3.8	1	10.0	0	1.5	2	0.382	1	2.552	-1	6.681	-2	2409	59	1.4
1365.8	10000	38.5822	95.4958	-530	PD	3.8	1	10.0	0	1.5	2	0.378	1	2.541	-1	6.720	-2	2383	49	1.4
1365.7	10000	38.5827	95.4958	-526	PD	3.9	1	9.9	0	1.5	2	0.393	1	2.637	-1	6.713	-2	2370	56	1.4
1365.6	10000	38.5833	95.4958	-521	PD	3.5	1	9.7	0	1.4	2	0.361	1	2.418	-1	6.701	-2	2329	56	1.4
1365.5	10000	38.5839	95.4958	-518	PD	3.6	1	8.7	-1	1.4	2	0.420	2	2.538	-1	6.039	-2	2280	46	1.4
1365.4	10000	38.5845	95.4958	-513	PD	3.4	0	8.4	-1	1.4	2	0.401	1	2.379	-1	5.936	-2	2219	49	1.4
1365.3	10000	38.5851	95.4958	-509	PD	3.4	0	8.3	-1	1.4	2	0.403	1	2.453	-1	6.081	-2	2164	40	1.4
1365.2	10000	38.5857	95.4958	-505	PD	3.2	0	8.1	-1	1.4	1	0.399	1	2.396	-1	5.998	-2	2105	53	1.4
1365.1	10000	38.5863	95.4958	-500	PD	3.2	0	8.1	-1	1.3	1	0.392	1	2.398	-1	6.122	-2	2070	41	1.5
1365.0	10000	38.5869	95.4957	-495	PD	3.0	0	8.0	-1	1.3	1	0.378	1	2.411	-1	6.386	-2	2018	48	1.5
1364.9	10000	38.5875	95.4957	-491	PD	2.9	-1	8.1	-1	1.2	1	0.360	1	2.458	-1	6.826	-1	2003	49	1.5
1364.8	10000	38.5881	95.4957	-487	PD	3.0	0	8.8	-1	1.2	0	0.341	0	2.574	-1	7.545	-1	2016	54	1.5
1364.7	10000	38.5887	95.4957	-483	PD	3.4	0	9.1	0	1.2	0	0.373	1	2.834	0	7.597	-1	2041	48	1.5
1364.6	10000	38.5892	95.4957	-478	PD	3.3	0	8.7	-1	1.2	1	0.379	1	2.764	0	7.287	-1	2047	56	1.5
1364.5	10000	38.5898	95.4957	-473	QAL	3.4	0	8.8	0	1.2	1	0.385	1	2.926	1	7.603	0	2063	47	1.5
1364.4	10000	38.5904	95.4957	-469	QAL	3.1	0	8.3	-1	1.2	0	0.372	1	2.646	0	7.112	0	2062	48	1.5
1364.3	10000	38.5910	95.4957	-464	QAL	3.0	0	8.7	0	1.3	0	0.351	0	2.396	0	6.836	-1	2067	41	1.5
1364.2	10000	38.5916	95.4957	-460	QAL	3.0	0	8.5	0	1.3	0	0.346	0	2.280	0	6.586	-1	2054	39	1.5
1364.1	10000	38.5922	95.4957	-456	QAL	2.5	-1	8.6	0	1.3	0	0.291	-1	1.910	-1	6.565	-1	2043	57	1.6
1364.0	10000	38.5928	95.4957	-452	QAL	2.1	-2	8.3	-1	1.3	0	0.257	-1	1.678	-1	6.532	-1	2023	30	1.6
1363.9	10000	38.5934	95.4957	-448	QAL	2.4	-1	8.5	-1	1.3	0	0.285	-1	1.909	-1	6.697	-1	2005	48	1.6
1363.8	10000	38.5940	95.4957	-443	QAL	2.0	-2	8.6	-1	1.3	0	0.239	-1	1.609	-1	6.720	-1	1962	50	1.6
1363.7	10000	38.5946	95.4957	-439	QAL	2.0	-2	8.4	-1	1.3	0	0.240	-1	1.574	-1	6.556	-1	1932	43	1.6
1363.6	10000	38.5952	95.4957	-434	QAL	2.0	-2	8.0	-1	1.3	0	0.249	-1	1.581	-1	6.347	-1	1915	52	1.6
1363.5	10000	38.5957	95.4957	-431	QAL	2.0	-2	7.8	-1	1.3	0	0.255	-1	1.605	-1	6.292	-1	1909	47	1.6
1363.4	10000	38.5963	95.4957	-427	QAL	2.0	-2	8.0	-1	1.3	0	0.296	-1	1.862	-1	6.280	-1	1894	56	1.7
1363.3	10000	38.5969	95.4956	-422	QAL	1.9	-2	7.8	-1	1.3	0	0.294	-1	1.824	-1	6.212	-1	1906	54	1.7
1363.2	10000	38.5975	95.4956	-418	QAL	1.9	-2	8.0	-1	1.3	0	0.236	-2	1.445	-2	6.113	-1	1916	48	1.7
1363.1	10000	38.5981	95.4956	-414	QAL	2.0	-2	8.0	-1	1.3	0	0.263	-1	1.572	-1	5.971	-1	1948	49	1.7
1363.0	10000	38.5987	95.4956	-410	QAL	2.1	-2	8.1	-1	1.3	0	0.277	-1	1.854	-1	6.681	-1	1965	43	1.7
1362.9	10000	38.5993	95.4956	-406	QAL	2.3	-1	8.4	-1	1.3	0	0.259	-1	1.928	-1	7.432	0	1992	45	1.7
1362.8	10000	38.5999	95.4956	-402	QAL	2.5	-1	8.8	-1	1.3	0	0.274	-1	1.981	-1	7.235	0	2025	48	1.7
1362.7	10000	38.6005	95.4956	-397	QAL	2.4	-1	8.9	-1	1.3	0	0.271	-1	1.868	-1	6.899	0	2072	52	1.7
1362.6	10000	38.6011	95.4956	-393	QAL	2.4	-1	8.8	-1	1.3	0	0.268	-1	1.829	-1	6.882	0	2093	50	1.8
1362.5	10000	38.6017	95.4956	-388	QAL	2.4	-1	8.8	-1	1.3	0	0.306	-1	1.825	-1	6.856	0	2117	50	1.8
1362.4	10000	38.6022	95.4956	-384	QAL	2.4	-1	8.8	-1	1.3	0	0.295	-1	1.733	-1	6.891	0	2133	36	1.8
1362.3	10000	38.6028	95.4956	-379	QAL	2.4	-1	8.8	-1	1.3	0	0.319	-1	1.905	-1	6.461	-1	2151	40	1.8
1362.2	10000	38.6034	95.4956	-376	QAL	2.4	-1	8.8	-1	1.3	0	0.320	-1	1.906	-1	6.427	-1	2145	47	1.8
1362.1	10000	38.6040	95.4956	-371	QAL	2.4	-1	8.8	-1	1.3	0	0.325	-1	1.910	-1	6.586	-1	2132	44	1.8
1362.0	10000	38.6047	95.4956	-367	QAL	2.4	-1	8.8	-1	1.3	0	0.339	-1	1.906	-1	6.748	-1	2105	42	1.8
1361.9	10000	38.6053	95.4956	-363	QAL	2.4	-1	8.8	-1	1.3	0	0.295	-1	1.906	-1	6.857	-1	2077	42	1.8
1361.8	10000	38.6059	95.4956	-358	QAL	2.4	-1	8.8	-1	1.3	0	0.319	-1	1.906	-1	6.857	-1	2047	42	1.8
1361.7	10000	38.6065	95.4956	-353	PD	2.4	-1	8.8	-1	1.3	0	0.339	-1	1.906	-1	6.857	-1	2030	41	1.8
1361.6	10000	38.6072	95.4956	-349	PD	2.4	-1	8.8	-1	1.3	0	0.352	-1	1.906	-1	6.857	-1	2020	33	1.8
1361.5	10000	38.6078	95.4956	-344	PD	2.4	-1	8.8	-1	1.3	0	0.355	-1	1.906	-1	6.857	-1	2031	38	1.8
1361.4	10000	38.6084	95.4956	-339	PD	2.4	-1	8.8	-1	1.3	0	0.355	-1	1.906	-1	6.857	-1	2057	38	1.8

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1361.3	10000	38.6090	95.4956	-334	PD	3.2	0	7.9	-1	1.0	0	0.400	1	3.131	0	7.825	-1	2067	48	1.9
1361.2	10000	38.6096	95.4955	-329	PD	3.2	0	8.1	-1	1.0	-1	0.397	1	3.240	0	8.166	-1	2084	53	1.9
1361.1	10000	38.6103	95.4955	-324	PD	3.4	0	8.4	-1	1.0	0	0.404	1	3.283	1	8.127	-1	2111	46	2.0
1361.0	10000	38.6109	95.4955	-320	PD	3.3	0	8.2	-1	1.1	0	0.406	1	3.177	0	7.820	-1	2131	53	2.0
1360.9	10000	38.6115	95.4955	-317	PD	3.5	1	8.5	-1	1.1	0	0.412	1	3.124	0	7.588	-1	2141	47	2.0
1360.8	10000	38.6121	95.4955	-313	PD	3.4	1	8.6	-1	1.1	0	0.399	1	3.046	0	7.630	-1	2142	44	2.0
1360.7	10000	38.6128	95.4955	-308	PD	3.4	0	8.8	-1	1.1	0	0.383	1	3.030	0	7.919	-1	2125	49	2.0
1360.6	10000	38.6134	95.4955	-303	PD	3.1	0	8.9	-1	1.2	0	0.352	0	2.716	0	7.715	-1	2127	39	2.0
1360.5	10000	38.6140	95.4955	-297	PD	3.2	0	8.8	-1	1.2	1	0.361	1	2.632	-1	7.298	-1	2142	57	2.0
1360.4	10000	38.6146	95.4955	-292	PD	3.2	0	8.4	-1	1.2	0	0.378	1	2.741	0	7.259	-1	2126	46	2.0
1360.3	10000	38.6152	95.4955	-286	PD	3.1	0	8.5	-1	1.2	0	0.367	1	2.712	0	7.385	-1	2107	55	2.0
1360.2	10000	38.6159	95.4955	-281	PD	3.1	0	8.1	-1	1.1	0	0.377	1	2.684	0	7.114	-1	2103	45	2.1
1360.1	10000	38.6165	95.4955	-276	PD	3.0	0	8.4	-1	1.2	0	0.352	0	2.509	-1	7.131	-1	2102	45	2.1
1360.0	10000	38.6171	95.4955	-270	PD	2.8	-1	8.0	-1	1.2	1	0.344	0	2.309	-1	6.696	-2	2102	35	2.1
1359.9	10000	38.6177	95.4955	-265	PD	2.7	-1	7.7	-2	1.2	0	0.353	0	2.313	-1	6.545	-2	2077	49	2.1
1359.8	10000	38.6184	95.4955	-259	PD	2.8	-1	7.7	-2	1.1	0	0.363	1	2.469	-1	6.797	-2	2041	48	2.1
1359.7	10000	38.6190	95.4955	-254	PD	2.8	0	7.5	-2	1.2	0	0.403	1	2.611	-1	6.483	-2	2035	50	2.1
1359.6	10000	38.6196	95.4955	-248	PD	2.8	0	7.6	-2	1.2	0	0.390	1	2.568	-1	6.591	-2	2020	62	2.1
1359.5	10000	38.6202	95.4955	-243	PD	2.8	-1	7.4	-2	1.2	0	0.377	1	2.419	-1	6.412	-2	2010	44	2.1
1359.4	10000	38.6209	95.4955	-238	PD	3.0	0	7.1	-2	1.1	0	0.415	2	2.712	0	6.539	-2	2010	45	2.1
1359.3	10000	38.6215	95.4955	-232	PD	3.2	0	7.5	-2	1.1	0	0.425	2	2.853	0	6.716	-2	2017	39	2.1
1359.2	10000	38.6221	95.4955	-227	PD	3.1	0	7.9	-1	1.1	0	0.410	1	2.846	0	6.937	-1	2045	40	2.1
1359.1	10000	38.6227	95.4955	-221	PD	3.1	0	8.0	-1	1.2	0	0.391	1	2.686	0	6.878	-1	2090	54	2.1
1359.0	10000	38.6233	95.4955	-216	PD	2.8	-1	8.2	-1	1.2	1	0.342	0	2.252	-1	6.591	-2	2126	52	2.1
1358.9	10000	38.6240	95.4955	-210	PD	2.9	-1	8.4	-1	1.3	1	0.344	0	2.215	-1	6.442	-2	2175	56	2.1
1358.8	10000	38.6246	95.4955	-205	PD	3.2	0	9.0	0	1.3	1	0.349	0	2.389	-1	6.848	-1	2219	50	2.2
1358.7	10000	38.6252	95.4955	-199	PD	3.2	0	9.1	0	1.3	1	0.352	0	2.371	-1	6.735	-2	2234	59	2.2
1358.6	10000	38.6258	95.4955	-194	PD	3.1	0	8.7	-1	1.3	1	0.358	1	2.385	-1	6.663	-2	2237	48	2.2
1358.5	10000	38.6264	95.4955	-188	PD	3.0	0	8.7	-1	1.3	1	0.347	0	2.302	-1	6.642	-2	2242	51	2.2
1358.4	10000	38.6271	95.4955	-183	PD	2.8	-1	8.7	-1	1.3	0	0.321	0	2.185	-1	6.805	-2	2213	54	2.2
1358.3	10000	38.6277	95.4955	-178	PD	2.8	-1	8.7	0	1.2	0	0.309	0	2.360	-1	7.635	-2	2178	40	2.2
1358.2	10000	38.6283	95.4955	-173	PS	2.8	-1	8.9	-1	1.1	0	0.317	0	2.526	-1	7.962	-2	2142	55	2.2
1358.1	10000	38.6289	95.4955	-168	PS	2.7	-1	8.8	-1	1.1	0	0.310	0	2.467	-1	7.967	-2	2110	45	2.2
1358.0	10000	38.6296	95.4955	-162	PS	2.7	-1	9.0	-1	1.1	0	0.302	0	2.533	-1	8.384	-2	2095	54	2.2
1357.9	10000	38.6302	95.4955	-156	PS	2.7	-1	9.1	-1	1.1	0	0.271	0	2.256	-1	8.316	-2	2073	54	2.2
1357.8	10000	38.6308	95.4955	-151	PS	2.7	-1	8.6	-1	1.1	0	0.275	0	2.312	-1	8.418	-2	2061	48	2.2
1357.7	10000	38.6314	95.4955	-145	PS	2.7	-1	8.2	-1	1.1	0	0.308	0	2.548	-1	8.269	-2	2044	68	2.2
1357.6	10000	38.6321	95.4955	-139	PS	2.6	-1	8.8	-1	1.1	0	0.320	0	2.404	-1	7.503	-2	2047	58	2.2
1357.5	10000	38.6327	95.4955	-134	PS	2.7	-1	8.8	-2	1.1	0	0.349	0	2.440	-1	6.987	-2	2060	43	2.2
1357.4	10000	38.6333	95.4955	-128	PS	2.9	-1	8.8	-2	1.1	0	0.376	0	2.642	-1	7.017	-2	2066	56	2.2
1357.3	10000	38.6339	95.4955	-123	PS	2.9	-1	8.7	-2	1.1	0	0.374	0	2.626	-1	7.023	-2	2054	42	2.2
1357.2	10000	38.6345	95.4955	-117	PS	2.9	-1	8.7	-2	1.1	0	0.366	0	2.683	-1	7.323	-2	2058	44	2.2
1357.1	10000	38.6352	95.4955	-112	PS	2.9	-1	8.8	-2	1.1	0	0.376	0	2.711	-1	7.201	-2	2057	58	2.2
1357.0	10000	38.6358	95.4955	-106	PS	2.9	-1	8.8	-2	1.1	0	0.355	0	2.508	-1	7.072	-2	2089	47	2.2
1356.9	10000	38.6364	95.4955	-101	PS	2.9	-1	8.8	-2	1.1	0	0.351	0	2.477	-1	7.064	-2	2113	44	2.2
1356.8	10000	38.6370	95.4955	-95	PS	2.9	-1	8.8	-2	1.1	0	0.309	0	2.225	-1	7.198	-2	2102	50	2.2
1356.7	10000	38.6377	95.4955	-90	PS	2.9	-1	8.8	-2	1.1	0	0.268	0	1.905	-1	7.100	-2	2106	41	2.2
1356.6	10000	38.6383	95.4955	-84	PS	2.9	-1	8.8	-2	1.1	0	0.258	0	1.747	-2	7.782	-2	2127	48	2.2
1356.5	10000	38.6389	95.4955	-78	PS	2.9	-1	8.8	-2	1.1	0	0.257	0	2.037	-1	6.975	-2	2143	70	2.2
1356.4	10000	38.6395	95.4955	-72	PS	2.9	-1	8.8	-2	1.1	0	0.267	0	1.982	-1	7.414	-2	2119	56	2.2
1356.3	10000	38.6401	95.4955	-66	PS	2.9	-1	8.8	-2	1.1	0	0.304	0	2.239	-1	7.359	-2	2068	51	2.2
1356.2	10000	38.6408	95.4955	-60	PS	2.6	-1	8.3	-1	1.0	0	0.312	0	2.475	-1	7.926	-1	2022	44	2.2

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1356.1	10000	38.6414	95.4954	-55	PS	2.4	-2	8.0	-2	1.0	-1	0.301	0	2.382	-1	7.914	0	1991	52	2.1
1356.0	10000	38.6420	95.4954	-49	PS	2.3	-2	7.6	-2	1.0	-1	0.300	0	2.392	-1	7.959	0	1951	55	2.1
1355.9	10000	38.6426	95.4954	-43	PS	2.6	-1	7.9	-2	0.9	-1	0.327	0	2.769	0	8.465	0	1923	47	2.1
1355.8	10000	38.6433	95.4954	-36	PS	2.3	-2	7.6	-2	0.9	-1	0.310	0	2.513	0	8.095	0	1898	44	2.1
1355.7	10000	38.6439	95.4954	-31	PS	2.5	-1	7.4	-2	1.0	-1	0.345	0	2.575	0	7.470	-1	1905	33	2.1
1355.6	10000	38.6445	95.4954	-24	PS	2.3	-2	7.3	-2	1.0	-1	0.315	0	2.340	-1	7.418	-1	1938	57	2.1
1355.5	10000	38.6451	95.4954	-18	PS	2.4	-2	7.7	-2	1.0	-1	0.309	0	2.317	-1	7.491	-1	1980	40	2.1
1355.4	10000	38.6457	95.4954	-11	PS	2.7	-1	8.2	-1	1.1	-1	0.330	0	2.503	0	7.582	-1	2033	50	2.1
1355.3	10000	38.6464	95.4954	-5	PS	2.6	-1	8.9	-1	1.2	0	0.289	-1	2.215	-1	7.655	-1	2105	48	2.1
1355.2	10000	38.6470	95.4954	1	PS	2.4	-1	8.9	-1	1.2	0	0.273	-1	1.988	-1	7.283	-1	2152	41	2.1
1355.1	10000	38.6476	95.4954	7	PS	2.7	-1	8.8	-1	1.2	0	0.305	0	2.187	-1	7.171	-1	2189	45	2.1
1355.0	10000	38.6482	95.4954	13	PS	3.0	0	8.9	-1	1.2	0	0.338	0	2.517	0	7.437	-1	2236	40	2.1
1354.9	10000	38.6489	95.4954	19	PS	2.8	-1	9.6	0	1.2	0	0.289	-1	2.245	-1	7.775	0	2257	64	2.1
1354.8	10000	38.6495	95.4954	25	PS	2.8	-1	10.3	1	1.3	0	0.275	-1	2.223	-1	8.077	0	2296	45	2.0
1354.7	10000	38.6501	95.4954	32	PS	2.6	-1	10.8	1	1.3	1	0.238	-2	1.986	-1	8.355	0	2329	55	2.0
1354.6	10000	38.6507	95.4954	38	PS	3.0	0	10.8	1	1.3	1	0.281	-1	2.375	-1	8.442	0	2345	43	2.0
1354.5	10000	38.6514	95.4954	44	PS	3.1	0	11.0	1	1.3	1	0.282	-1	2.352	-1	8.343	0	2361	50	2.0
1354.4	10000	38.6520	95.4954	50	PS	3.0	0	11.0	1	1.3	1	0.275	-1	2.265	-1	8.250	0	2377	55	2.0
1354.3	10000	38.6526	95.4954	55	PS	2.7	-1	11.3	1	1.4	1	0.241	-2	1.929	-2	8.013	0	2371	58	2.0
1354.2	10000	38.6532	95.4954	60	PS	2.8	-1	11.1	1	1.4	1	0.256	-1	2.026	-1	7.927	0	2368	38	2.0
1354.1	10000	38.6538	95.4954	65	PS	2.7	-1	10.4	1	1.4	1	0.256	-1	1.950	-1	7.614	-1	2318	40	2.0
1354.0	10000	38.6545	95.4954	71	PS	3.1	0	9.9	1	1.4	1	0.311	0	2.224	-1	7.161	-1	2273	37	2.0
1353.9	10000	38.6551	95.4954	75	PS	2.9	-1	9.4	1	1.3	1	0.309	0	2.151	-1	6.966	-1	2221	49	2.0
1353.8	10000	38.6557	95.4954	80	PS	2.8	-1	9.2	1	1.3	1	0.301	0	2.191	-1	7.270	-1	2163	43	2.0
1353.7	10000	38.6563	95.4954	84	PS	2.8	-1	9.3	1	1.2	0	0.306	0	2.258	-1	7.385	-1	2119	44	2.0
1353.6	10000	38.6570	95.4954	88	PS	2.6	-1	9.3	1	1.2	0	0.278	-1	2.163	-1	7.790	0	2087	37	2.0
1353.5	10000	38.6576	95.4954	93	PS	2.8	-1	8.8	-1	1.3	1	0.314	0	2.236	-1	7.118	-1	2073	53	2.0
1353.4	10000	38.6582	95.4954	95	PS	2.8	-1	8.8	-1	1.3	1	0.313	0	2.161	-1	6.902	-1	2060	64	1.9
1353.3	10000	38.6588	95.4954	98	PS	2.5	-1	8.8	-1	1.2	0	0.286	-1	2.050	-1	7.179	-1	2033	52	1.9
1353.2	10000	38.6594	95.4954	100	PS	2.4	-1	8.8	-1	1.2	0	0.278	-1	1.964	-1	7.077	-1	2010	50	1.9
1353.1	10000	38.6601	95.4954	102	PS	2.4	-1	8.8	-1	1.2	0	0.278	-1	1.978	-1	7.118	-1	1999	50	1.9
1353.0	10000	38.6607	95.4954	104	PS	2.4	-1	8.8	-1	1.2	0	0.257	-1	1.949	-1	7.594	-1	1983	52	1.9
1352.9	10000	38.6613	95.4954	105	PS	2.5	-1	8.8	-1	1.2	0	0.289	-1	2.150	-1	7.449	-1	1954	55	1.9
1352.8	10000	38.6619	95.4954	106	PS	2.5	-1	8.8	-1	1.2	1	0.281	-1	2.207	-1	7.863	0	1924	44	1.9
1352.7	10000	38.6626	95.4954	108	PS	2.4	-1	8.8	-1	1.1	1	0.283	-1	2.219	-1	7.830	0	1904	41	1.9
1352.6	10000	38.6632	95.4954	108	PS	2.4	-1	8.8	-1	1.1	0	0.279	-1	2.288	-1	8.206	0	1878	44	1.9
1352.5	10000	38.6638	95.4954	109	PS	2.4	-1	8.8	-1	1.1	0	0.293	-1	2.446	-1	8.357	0	1844	45	1.9
1352.4	10000	38.6644	95.4954	109	PS	2.4	-1	8.8	-1	1.1	0	0.300	-1	2.474	-1	8.255	0	1818	56	1.9
1352.3	10000	38.6650	95.4954	109	PS	2.4	-1	8.8	-1	1.1	0	0.302	-1	2.309	-1	7.643	-1	1792	54	1.9
1352.2	10000	38.6657	95.4954	108	PS	2.4	-1	8.8	-1	1.1	0	0.277	-1	2.145	-1	7.744	0	1778	46	1.9
1352.1	10000	38.6663	95.4954	107	PS	2.2	-2	8.8	-1	1.0	0	0.270	-1	2.200	-1	8.138	0	1761	50	1.9
1352.0	10000	38.6669	95.4954	107	PS	2.1	-2	8.8	-1	0.9	0	0.287	-1	2.340	-1	8.151	0	1750	57	1.9
1351.9	10000	38.6675	95.4954	106	PS	2.1	-2	8.8	-1	0.9	0	0.326	-1	2.584	-1	7.933	0	1750	55	1.9
1351.8	10000	38.6682	95.4954	106	PS	2.1	-2	8.8	-1	0.9	0	0.289	-1	2.493	-1	8.623	0	1778	50	1.9
1351.7	10000	38.6688	95.4953	105	PS	2.1	-2	8.8	-1	0.9	0	0.283	-1	2.510	-1	8.876	0	1792	46	1.9
1351.6	10000	38.6694	95.4953	104	PS	2.1	-2	8.8	-1	0.9	0	0.296	-1	2.764	-1	8.448	0	1814	47	1.9
1351.5	10000	38.6700	95.4953	102	PS	2.1	-2	8.8	-1	0.9	0	0.283	-1	2.700	-1	8.112	0	1855	37	1.9
1351.4	10000	38.6706	95.4953	100	PS	2.1	-2	8.8	-1	0.9	0	0.296	-1	2.494	-1	8.815	0	1899	43	1.9
1351.3	10000	38.6713	95.4953	98	PS	2.1	-2	8.8	-1	0.9	0	0.312	-1	2.714	-1	8.704	0	1947	43	1.9
1351.2	10000	38.6719	95.4953	96	PS	2.1	-2	8.8	-1	0.9	0	0.288	-1	2.544	-1	8.268	0	2014	46	1.9
1351.1	10000	38.6725	95.4953	93	PS	2.1	-2	8.8	-1	0.9	0	0.302	-1	2.412	-1	8.831	0	2069	38	1.9
1351.0	10000	38.6731	95.4953	90	PS	2.1	-2	8.8	-1	0.9	0	0.302	-1	2.273	-1	7.519	-1	2143	40	1.9

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1350.9	10000	38.6738	95.4953	86	PS	3.0	0	9.8	0	1.3	1	0.311	0	2.299	-1	7.385	-1	2215	40	1.8
1350.8	10000	38.6744	95.4953	81	PS	3.2	0	10.0	0	1.3	1	0.317	0	2.402	-1	7.572	-1	2267	61	1.8
1350.7	10000	38.6750	95.4953	76	PS	3.2	0	10.5	1	1.3	1	0.308	0	2.437	-1	7.914	0	2326	49	1.8
1350.6	10000	38.6756	95.4953	71	PS	3.2	0	11.2	1	1.3	1	0.285	-1	2.391	-1	8.381	0	2365	47	1.8
1350.5	10000	38.6763	95.4953	65	PS	3.4	1	11.3	1	1.3	1	0.300	0	2.613	0	8.707	0	2395	50	1.8
1350.4	10000	38.6769	95.4953	58	PS	3.5	1	10.7	1	1.3	1	0.323	0	2.693	0	8.339	0	2424	48	1.8
1350.3	10000	38.6775	95.4953	52	PS	3.7	1	10.8	1	1.3	1	0.339	0	2.796	0	8.244	0	2437	46	1.8
1350.2	10000	38.6781	95.4953	45	PS	3.4	1	10.6	1	1.3	1	0.315	0	2.530	0	8.030	0	2445	50	1.9
1350.1	10000	38.6787	95.4953	37	PS	3.3	1	10.2	1	1.4	1	0.329	0	2.429	-1	7.384	-1	2439	45	1.9
1350.0	10000	38.6794	95.4953	30	PS	3.6	1	9.7	1	1.4	1	0.374	1	2.563	0	6.859	-1	2412	42	1.9
1349.9	10000	38.6800	95.4953	22	PS	3.6	1	9.4	1	1.4	1	0.381	1	2.489	0	6.534	-1	2398	43	1.9
1349.8	10000	38.6806	95.4953	15	PS	3.2	1	9.4	1	1.5	1	0.335	0	2.169	-1	6.478	-1	2368	54	1.9
1349.7	10000	38.6812	95.4953	7	PS	3.1	1	9.3	1	1.4	1	0.333	0	2.195	-1	6.590	-1	2322	44	1.9
1349.6	10000	38.6819	95.4953	0	PS	3.2	1	9.1	-1	1.4	1	0.351	0	2.338	-1	6.657	-1	2270	40	1.9
1349.5	10000	38.6825	95.4953	-7	PS	3.2	1	8.5	-1	1.3	1	0.376	1	2.462	0	6.545	-1	2216	46	1.9
1349.4	10000	38.6831	95.4953	-14	PS	3.4	1	8.5	-1	1.2	0	0.399	1	2.791	0	6.988	-1	2177	50	1.9
1349.3	10000	38.6837	95.4953	-21	PS	3.1	1	8.6	-1	1.2	0	0.358	1	2.563	0	7.149	-1	2147	51	1.9
1349.2	10000	38.6843	95.4953	-27	PS	2.7	1	8.8	-1	1.2	0	0.307	0	2.252	-1	7.343	-1	2102	60	1.9
1349.1	10000	38.6850	95.4953	-33	PS	2.9	1	8.3	-1	1.2	0	0.345	0	2.461	0	7.125	-1	2072	44	1.9
1349.0	10000	38.6856	95.4953	-38	PS	3.1	1	8.2	-1	1.2	0	0.377	1	2.664	0	7.071	-1	2049	65	1.9
1348.9	10000	38.6862	95.4953	-44	PS	3.0	1	7.7	-2	1.1	0	0.391	1	2.741	0	7.012	-1	2030	46	1.9
1348.8	10000	38.6868	95.4953	-49	PS	2.7	1	8.2	-1	1.1	-1	0.385	1	3.005	1	7.797	0	2019	43	1.9
1348.7	10000	38.6874	95.4953	-54	PS	2.1	0	8.0	-2	1.0	-1	0.384	1	2.947	0	7.665	-1	2008	50	1.9
1348.6	10000	38.6881	95.4953	-59	PS	2.3	1	8.1	-1	1.0	-1	0.411	1	3.425	1	8.335	0	2023	43	1.9
1348.5	10000	38.6887	95.4953	-63	PS	2.7	1	8.1	-1	1.0	-1	0.469	1	3.876	2	8.267	0	2032	54	1.9
1348.4	10000	38.6893	95.4953	-68	PS	2.6	1	8.0	-1	1.0	-1	0.439	1	3.584	2	8.163	0	2058	36	1.9
1348.3	10000	38.6899	95.4953	-72	PS	2.7	1	8.4	-1	1.0	-1	0.428	1	3.690	2	8.628	0	2070	47	1.9
1348.2	10000	38.6906	95.4953	-75	PS	2.7	1	8.9	-1	1.0	-1	0.416	1	3.741	2	8.990	1	2098	62	1.9
1348.1	10000	38.6912	95.4953	-79	PS	2.7	1	8.7	-1	1.0	-1	0.431	1	3.787	2	8.779	0	2126	56	1.9
1348.0	10000	38.6918	95.4953	-83	PS	2.7	1	8.9	-1	1.0	-1	0.418	1	3.803	2	9.095	1	2157	57	1.9
1347.9	10000	38.6924	95.4953	-86	PS	2.7	1	8.8	-1	1.0	-1	0.407	1	3.832	2	9.177	1	2190	53	1.9
1347.8	10000	38.6931	95.4953	-89	PS	2.7	1	8.8	-1	1.0	-1	0.409	1	3.842	2	9.175	1	2231	51	1.9
1347.7	10000	38.6937	95.4953	-93	PS	2.7	1	8.8	-1	1.0	-1	0.403	1	3.822	2	9.175	1	2274	53	1.9
1347.6	10000	38.6943	95.4953	-96	PS	2.7	1	8.8	-1	1.0	-1	0.345	1	3.675	2	9.175	1	2333	51	1.9
1347.5	10000	38.6949	95.4953	-100	PS	2.7	1	8.8	-1	1.0	-1	0.297	1	3.596	2	9.175	1	2364	41	1.9
1347.4	10000	38.6955	95.4953	-103	PS	2.7	1	8.8	-1	1.0	-1	0.272	1	3.596	2	9.175	1	2407	42	1.9
1347.3	10000	38.6962	95.4953	-106	PS	2.7	1	8.8	-1	1.0	-1	0.259	1	3.596	2	9.175	1	2422	43	1.9
1347.2	10000	38.6968	95.4953	-109	PS	2.7	1	8.8	-1	1.0	-1	0.264	1	3.596	2	9.175	1	2424	41	1.9
1347.1	10000	38.6974	95.4953	-111	PS	2.7	1	8.8	-1	1.0	-1	0.255	1	3.596	2	9.175	1	2439	65	1.9
1347.0	10000	38.6980	95.4953	-113	PS	2.7	1	8.8	-1	1.0	-1	0.246	1	3.596	2	9.175	1	2403	40	1.9
1346.9	10000	38.6986	95.4953	-114	PS	2.7	1	8.8	-1	1.0	-1	0.301	1	3.596	2	9.175	1	2360	52	1.9
1346.8	10000	38.6992	95.4953	-115	PS	2.7	1	8.8	-1	1.0	-1	0.335	1	3.596	2	9.175	1	2339	53	1.9
1346.7	10000	38.6999	95.4953	-117	PS	2.7	1	8.8	-1	1.0	-1	0.366	1	3.596	2	9.175	1	2304	51	1.9
1346.6	10000	38.7005	95.4953	-120	PS	2.7	1	8.8	-1	1.0	-1	0.391	1	3.596	2	9.175	1	2270	41	1.9
1346.5	10000	38.7011	95.4953	-123	PS	2.7	1	8.8	-1	1.0	-1	0.438	1	3.596	2	9.175	1	2231	45	1.9
1346.4	10000	38.7017	95.4953	-125	PS	2.7	1	8.8	-1	1.0	-1	0.431	1	3.596	2	9.175	1	2182	44	1.9
1346.3	10000	38.7023	95.4953	-127	PS	2.7	1	8.8	-1	1.0	-1	0.447	1	3.596	2	9.175	1	2152	48	1.9
1346.2	10000	38.7029	95.4953	-129	PS	2.7	1	8.8	-1	1.0	-1	0.425	1	3.596	2	9.175	1	2128	39	1.9
1346.1	10000	38.7036	95.4953	-131	PS	2.7	1	8.8	-1	1.0	-1	0.425	1	3.596	2	9.175	1	2107	39	1.9
1346.0	10000	38.7042	95.4953	-132	PS	2.7	1	8.8	-1	1.0	-1	0.425	1	3.596	2	9.175	1	2087	37	1.9
1345.9	10000	38.7048	95.4953	-133	PS	2.7	1	8.8	-1	1.0	-1	0.425	1	3.596	2	9.175	1	2101	37	1.9
1345.8	10000	38.7054	95.4952	-134	PS	2.7	1	8.8	-1	1.0	-1	0.425	1	3.596	2	9.175	1	2101	37	1.9

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1345.7	10000	38.7060	95.4952	-135	PS	3.4	1	8.4	-1	1.2	0	0.403	1	2.925	0	7.258	-1	2116	41	1.9
1345.6	10000	38.7066	95.4952	-136	PS	3.9	2	8.8	-1	1.1	0	0.444	2	3.396	1	7.655	-1	2142	56	1.9
1345.5	10000	38.7073	95.4952	-136	PS	4.0	2	9.1	-1	1.2	0	0.438	2	3.406	1	7.784	0	2184	42	1.9
1345.4	10000	38.7079	95.4952	-136	PS	3.8	1	9.2	0	1.2	0	0.414	2	3.146	1	7.594	-1	2222	49	1.9
1345.3	10000	38.7085	95.4952	-136	PS	3.6	1	9.5	0	1.2	0	0.376	1	2.891	0	7.692	0	2265	47	1.9
1345.2	10000	38.7091	95.4952	-136	PS	3.7	1	9.6	0	1.2	0	0.383	1	2.978	1	7.771	0	2307	40	1.9
1345.1	10000	38.7097	95.4952	-137	PS	3.7	1	9.9	0	1.3	1	0.376	1	2.900	0	7.716	0	2333	42	2.0
1345.0	10000	38.7104	95.4952	-136	PS	3.8	1	9.8	0	1.4	1	0.387	1	2.785	0	7.192	-1	2399	69	2.0
1344.9	10000	38.7110	95.4952	-136	PS	3.5	1	9.7	0	1.5	2	0.366	1	2.401	-1	6.557	-1	2464	44	2.0
1344.8	10000	38.7116	95.4952	-136	PS	3.8	1	10.2	0	1.5	2	0.376	1	2.533	0	6.744	-1	2530	45	2.0
1344.7	10000	38.7122	95.4952	-136	PS	3.9	2	10.4	1	1.5	2	0.376	1	2.538	0	6.752	-1	2584	37	2.0
1344.6	10000	38.7128	95.4952	-135	PS	4.2	2	10.6	1	1.6	2	0.396	1	2.711	0	6.843	-1	2646	43	2.0
1344.5	10000	38.7134	95.4952	-135	PS	4.5	3	11.2	1	1.7	3	0.402	1	2.711	0	6.752	-1	2697	44	2.0
1344.4	10000	38.7141	95.4952	-135	PS	4.4	3	11.6	2	1.8	3	0.382	1	2.434	-1	6.378	-2	2757	51	2.0
1344.3	10000	38.7147	95.4952	-135	PS	4.3	2	12.2	2	1.8	3	0.353	0	2.373	-1	6.725	-1	2758	52	2.0
1344.2	10000	38.7153	95.4952	-134	PS	4.1	2	12.4	2	1.8	3	0.331	0	2.289	-1	6.918	-1	2743	35	2.0
1344.1	10000	38.7159	95.4952	-134	PS	3.8	1	12.5	3	1.8	3	0.304	0	2.106	-1	6.934	-1	2719	54	2.0
1344.0	10000	38.7165	95.4952	-134	PS	3.9	2	12.3	2	1.8	3	0.315	0	2.218	-1	7.044	-1	2693	34	2.0
1343.9	10000	38.7171	95.4952	-134	PS	4.1	2	12.2	2	1.7	3	0.339	0	2.394	-1	7.071	-1	2655	49	2.0
1343.8	10000	38.7177	95.4952	-135	PS	3.8	1	11.6	2	1.6	2	0.327	0	2.330	-1	7.133	-1	2618	44	2.0
1343.7	10000	38.7184	95.4952	-134	PS	3.7	1	11.1	1	1.4	1	0.333	0	2.572	0	7.718	0	2558	34	2.0
1343.6	10000	38.7190	95.4952	-135	PS	4.0	2	10.7	1	1.4	1	0.378	0	2.914	0	7.718	0	2514	60	2.0
1343.5	10000	38.7196	95.4952	-135	PS	4.0	2	10.2	1	1.3	1	0.392	1	3.155	1	8.052	0	2462	49	2.0
1343.4	10000	38.7202	95.4952	-135	PS	4.2	2	9.4	0	1.2	1	0.440	2	3.335	1	7.580	-1	2402	36	2.0
1343.3	10000	38.7208	95.4952	-136	PS	4.0	2	9.0	-1	1.3	2	0.446	2	3.199	1	7.178	-1	2351	47	2.0
1343.2	10000	38.7215	95.4952	-136	PS	3.7	1	9.0	-1	1.2	1	0.410	2	3.034	1	7.392	-1	2300	55	2.0
1343.1	10000	38.7221	95.4952	-136	PS	3.7	1	8.7	-1	1.2	1	0.422	2	3.098	1	7.342	-1	2255	45	2.0
1343.0	10000	38.7227	95.4952	-136	PS	3.4	1	8.2	-1	1.2	1	0.409	1	2.754	0	6.736	-1	2231	47	2.0
1342.9	10000	38.7233	95.4952	-137	PS	3.2	1	8.1	-1	1.1	1	0.388	1	2.658	0	6.846	-1	2212	53	2.0
1342.8	10000	38.7239	95.4952	-138	PS	3.3	1	8.4	-1	1.2	1	0.391	1	2.754	0	7.043	-1	2216	59	2.0
1342.7	10000	38.7245	95.4952	-139	PS	3.2	1	8.6	-1	1.2	1	0.372	1	2.725	0	7.318	-1	2223	52	2.0
1342.6	10000	38.7252	95.4952	-139	PS	3.3	1	8.8	-1	1.2	1	0.359	1	2.787	0	7.771	0	2213	66	2.0
1342.5	10000	38.7258	95.4952	-140	PS	3.3	1	8.8	-1	1.2	1	0.325	1	2.601	0	8.008	0	2210	55	2.0
1342.4	10000	38.7264	95.4952	-141	PS	3.3	1	8.8	-1	1.2	1	0.302	1	2.453	0	8.175	0	2192	49	2.0
1342.3	10000	38.7270	95.4952	-141	PS	3.3	1	8.8	-1	1.2	1	0.312	1	2.619	0	8.387	0	2186	44	2.0
1342.2	10000	38.7276	95.4952	-142	PS	3.3	1	8.8	-1	1.2	1	0.303	1	2.532	0	8.351	0	2166	43	2.0
1342.1	10000	38.7282	95.4952	-144	PS	3.3	1	8.8	-1	1.2	1	0.297	1	2.369	0	7.977	0	2149	51	2.0
1342.0	10000	38.7289	95.4952	-145	PS	3.3	1	8.8	-1	1.2	1	0.283	1	2.218	0	7.829	0	2128	41	2.0
1341.9	10000	38.7295	95.4952	-147	PS	3.3	1	8.8	-1	1.2	1	0.282	1	2.187	0	7.760	0	2131	55	2.0
1341.8	10000	38.7301	95.4952	-148	PS	3.3	1	8.8	-1	1.2	1	0.309	1	2.421	0	7.840	0	2130	37	2.0
1341.7	10000	38.7307	95.4952	-150	PS	3.3	1	8.8	-1	1.2	1	0.313	1	2.563	0	8.195	0	2129	50	2.0
1341.6	10000	38.7313	95.4952	-151	PS	3.3	1	8.8	-1	1.2	1	0.348	1	2.908	0	8.349	0	2093	39	2.0
1341.5	10000	38.7319	95.4952	-153	PS	3.3	1	8.8	-1	1.2	1	0.366	1	2.926	0	7.990	0	2073	39	2.0
1341.4	10000	38.7326	95.4952	-154	PS	3.3	1	8.8	-1	1.2	1	0.351	1	2.840	0	8.097	0	2063	44	2.0
1341.3	10000	38.7332	95.4952	-157	PS	3.3	1	8.8	-1	1.2	1	0.372	1	2.876	0	8.527	0	2045	41	2.0
1341.2	10000	38.7338	95.4952	-159	PS	3.3	1	8.8	-1	1.2	1	0.401	1	3.490	0	8.707	0	2020	49	2.0
1341.1	10000	38.7344	95.4952	-161	PS	3.3	1	8.8	-1	1.2	1	0.444	2	3.387	1	7.624	-1	2002	47	2.0
1341.0	10000	38.7350	95.4952	-164	PS	3.3	1	8.8	-1	1.2	1	0.461	2	3.411	1	7.403	-1	1969	55	2.0
1340.9	10000	38.7356	95.4952	-166	PS	3.3	1	8.8	-1	1.2	1	0.397	1	2.809	0	7.077	-1	1946	43	2.0
1340.8	10000	38.7363	95.4952	-169	PS	3.3	1	8.8	-1	1.2	1	0.360	1	2.698	0	7.499	-1	1928	52	2.0
1340.7	10000	38.7369	95.4952	-171	PS	3.3	1	8.8	-1	1.2	1	0.360	1	2.766	0	7.684	-1	1895	55	2.0
1340.6	10000	38.7375	95.4952	-172	PS	3.3	1	8.8	-1	1.2	1	0.349	1	2.630	0	7.537	-1	1872	56	2.0

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1340.5	10000	38.7381	95.4952	-173	PS	2.5	-1	7.4	-2	1.0	-1	0.342	0	2.538	0	7.416	-1	1860	36	2.0
1340.4	10000	38.7387	95.4952	-175	PS	2.5	-1	7.7	-2	1.0	-1	0.328	0	2.493	0	7.595	-1	1869	71	2.0
1340.3	10000	38.7393	95.4952	-178	PS	2.6	-1	8.0	-1	1.0	-1	0.318	0	2.443	0	7.681	0	1907	67	2.0
1340.2	10000	38.7400	95.4952	-182	PS	2.9	0	8.6	-1	1.1	-1	0.338	0	2.762	0	8.172	0	1953	51	2.0
1340.1	10000	38.7406	95.4952	-184	PS	3.0	0	8.5	-1	1.1	0	0.355	0	2.766	0	7.790	0	2015	59	2.0
1340.0	10000	38.7412	95.4952	-186	PS	3.1	0	8.5	-1	1.2	0	0.362	1	2.650	0	7.320	-1	2088	47	2.0
1339.9	10000	38.7418	95.4952	-189	PS	3.3	0	8.5	-1	1.2	0	0.387	1	2.746	0	7.105	-1	2156	49	2.0
1339.8	10000	38.7424	95.4952	-191	PS	3.6	1	9.0	-1	1.3	0	0.395	1	2.811	0	7.110	-1	2225	64	2.0
1339.7	10000	38.7430	95.4952	-193	PS	3.7	1	9.3	0	1.3	1	0.395	1	2.871	0	7.275	-1	2282	49	2.0
1339.6	10000	38.7437	95.4952	-196	PS	3.8	1	9.4	0	1.3	1	0.403	1	2.865	0	7.112	-1	2332	53	2.0
1339.5	10000	38.7443	95.4952	-199	PS	4.0	2	9.5	0	1.3	1	0.418	2	2.965	1	7.095	-1	2366	47	2.0
1339.4	10000	38.7449	95.4952	-202	PS	4.0	2	9.9	0	1.3	1	0.398	1	2.974	1	7.468	-1	2396	47	2.0
1339.3	10000	38.7455	95.4952	-205	PS	4.2	2	10.3	1	1.2	0	0.407	1	3.351	1	8.226	0	2405	47	2.0
1339.2	10000	38.7461	95.4952	-209	PS	4.3	2	10.5	1	1.2	0	0.409	1	3.474	2	8.483	0	2409	63	2.0
1339.1	10000	38.7467	95.4952	-213	PS	3.8	1	10.5	1	1.3	0	0.367	1	3.059	1	8.341	0	2397	51	2.0
1339.0	10000	38.7474	95.4952	-217	PS	3.6	1	10.4	1	1.3	0	0.345	1	2.731	0	7.920	0	2384	44	2.0
1338.9	10000	38.7480	95.4952	-222	PS	3.6	1	10.1	1	1.3	0	0.351	1	2.771	0	7.893	0	2386	57	2.0
1338.8	10000	38.7486	95.4952	-226	PS	3.4	1	9.8	1	1.4	0	0.347	1	2.509	0	7.239	-1	2397	41	2.0
1338.7	10000	38.7492	95.4952	-231	PS	3.6	1	9.6	1	1.4	0	0.375	1	2.563	0	6.842	-1	2389	70	2.0
1338.6	10000	38.7498	95.4952	-234	PS	3.4	1	9.2	1	1.5	2	0.368	1	2.302	-1	6.254	-2	2383	50	2.0
1338.5	10000	38.7504	95.4952	-239	PS	3.2	1	9.5	1	1.5	2	0.334	1	2.105	-1	6.304	-2	2378	64	2.0
1338.4	10000	38.7511	95.4952	-243	PS	3.4	1	9.2	0	1.5	2	0.367	1	2.272	-1	6.194	-2	2382	59	2.0
1338.3	10000	38.7517	95.4951	-248	PS	3.5	1	9.7	1	1.4	1	0.366	1	2.442	0	6.669	-1	2407	47	2.0
1338.2	10000	38.7523	95.4951	-252	PS	3.4	1	9.4	1	1.5	2	0.361	1	2.328	-1	6.451	-1	2393	50	2.0
1338.1	10000	38.7529	95.4951	-258	PS	3.7	1	9.3	1	1.4	1	0.400	1	2.662	0	6.654	-1	2392	54	2.0
1338.0	10000	38.7535	95.4951	-262	PS	3.5	1	9.2	1	1.4	1	0.377	1	2.460	0	6.519	-1	2387	52	2.0
1337.9	10000	38.7541	95.4951	-267	PS	3.6	1	9.2	1	1.4	1	0.394	1	2.501	0	6.352	-2	2404	40	2.0
1337.8	10000	38.7548	95.4951	-272	PS	3.6	1	9.1	1	1.4	1	0.393	1	2.489	0	6.338	-2	2414	41	2.0
1337.7	10000	38.7554	95.4951	-278	PS	3.5	1	9.6	1	1.5	2	0.367	1	2.425	-1	6.617	-1	2428	49	2.0
1337.6	10000	38.7560	95.4951	-283	PS	3.6	1	9.0	0	1.5	2	0.402	1	2.497	0	6.207	-2	2413	51	2.0
1337.5	10000	38.7566	95.4951	-289	PS	3.8	1	9.6	1	1.5	2	0.411	1	2.508	0	6.104	-2	2413	46	2.0
1337.4	10000	38.7572	95.4951	-295	PS	3.6	1	9.4	1	1.5	2	0.392	1	2.365	0	6.034	-2	2401	46	2.0
1337.3	10000	38.7578	95.4951	-301	PS	3.9	1	9.9	1	1.5	2	0.418	1	2.649	0	6.332	-2	2378	48	2.0
1337.2	10000	38.7585	95.4951	-307	PS	3.9	1	9.9	1	1.5	2	0.426	1	2.898	0	6.991	-1	2336	44	2.0
1337.1	10000	38.7591	95.4951	-313	PS	3.9	1	9.9	1	1.5	2	0.427	1	3.048	0	7.159	-1	2308	45	2.0
1337.0	10000	38.7597	95.4951	-319	PS	3.9	1	9.9	1	1.5	2	0.379	1	2.990	0	7.002	-1	2264	36	2.0
1336.9	10000	38.7603	95.4951	-325	PS	4.0	2	9.9	1	1.5	2	0.362	1	2.898	0	7.649	-1	2217	52	2.0
1336.8	10000	38.7609	95.4951	-331	PS	4.0	2	9.9	1	1.5	2	0.368	1	3.020	0	7.337	-1	2176	46	2.0
1336.7	10000	38.7615	95.4951	-337	PS	4.0	2	9.9	1	1.5	2	0.354	1	3.037	0	7.710	-1	2123	60	2.0
1336.6	10000	38.7622	95.4951	-343	PS	4.0	2	9.9	1	1.5	2	0.354	1	2.879	0	7.577	-1	2100	55	2.0
1336.5	10000	38.7628	95.4951	-349	PS	4.0	2	9.9	1	1.5	2	0.322	1	2.651	0	7.143	-1	2071	46	2.0
1336.4	10000	38.7634	95.4951	-355	PS	4.0	2	9.9	1	1.5	2	0.349	1	2.788	0	7.224	-1	2052	53	2.0
1336.3	10000	38.7640	95.4951	-360	PS	4.0	2	9.9	1	1.5	2	0.399	1	2.967	0	7.988	-1	2044	48	2.0
1336.2	10000	38.7646	95.4951	-365	PS	4.0	2	9.9	1	1.5	2	0.425	1	3.046	0	7.427	-1	2055	48	2.0
1336.1	10000	38.7653	95.4951	-370	PS	4.0	2	9.9	1	1.5	2	0.380	1	2.819	0	7.170	-1	2048	42	2.0
1336.0	10000	38.7659	95.4951	-374	PS	4.0	2	9.9	1	1.5	2	0.368	1	2.712	0	7.411	-1	2040	45	2.0
1335.9	10000	38.7665	95.4951	-377	PS	4.0	2	9.9	1	1.5	2	0.339	1	2.544	0	7.378	-1	2055	46	2.0
1335.8	10000	38.7671	95.4951	-381	PS	4.0	2	9.9	1	1.5	2	0.392	1	2.680	0	7.505	-1	2101	47	2.0
1335.7	10000	38.7677	95.4951	-386	PS	4.0	2	9.9	1	1.5	2	0.372	1	2.668	0	7.844	-1	2139	40	2.0
1335.6	10000	38.7683	95.4951	-390	PS	4.0	2	9.9	1	1.5	2	0.387	1	2.752	0	7.758	-1	2184	47	2.0
1335.5	10000	38.7689	95.4951	-393	PS	4.0	2	9.9	1	1.5	2	0.387	1	2.824	0	7.888	-1	2234	52	2.0
1335.4	10000	38.7696	95.4951	-395	PS	4.0	2	9.9	1	1.5	2	0.387	1	2.824	0	7.693	-1	2301	43	2.0

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1335.3	10000	38.7702	95.4951	-398	PS	3.7	1	9.2	0	1.4	1	0.409	1	2.602	0	6.360	-2	2380	50	1.9
1335.2	10000	38.7708	95.4951	-400	PS	4.0	2	9.1	0	1.5	2	0.442	2	2.733	0	6.180	-2	2416	47	1.9
1335.1	10000	38.7714	95.4951	-403	PS	4.2	2	8.8	-1	1.5	2	0.480	3	2.858	0	5.954	-2	2439	57	1.9
1335.0	10000	38.7720	95.4951	-405	PS	4.3	2	9.2	0	1.5	2	0.463	2	2.876	0	6.210	-2	2460	51	1.9
1334.9	10000	38.7726	95.4951	-408	PS	4.2	2	9.2	0	1.5	2	0.454	2	2.827	0	6.224	-2	2465	49	1.9
1334.8	10000	38.7733	95.4951	-410	PS	4.3	2	9.2	0	1.5	2	0.472	3	2.888	0	6.124	-2	2469	55	1.9
1334.7	10000	38.7739	95.4951	-411	PS	4.3	2	9.8	0	1.5	2	0.435	2	2.838	0	6.518	-1	2464	54	1.9
1334.6	10000	38.7745	95.4951	-413	PS	4.0	2	9.9	0	1.5	2	0.401	1	2.682	0	6.691	-1	2463	59	1.9
1334.5	10000	38.7751	95.4951	-415	PS	3.9	2	10.7	1	1.5	2	0.365	1	2.600	0	7.132	-1	2481	34	1.9
1334.4	10000	38.7757	95.4951	-416	PS	3.8	2	11.1	1	1.5	2	0.344	1	2.486	0	7.228	-1	2496	51	1.9
1334.3	10000	38.7764	95.4951	-417	PS	3.9	2	11.3	2	1.5	2	0.345	1	2.533	0	7.332	-1	2497	42	1.9
1334.2	10000	38.7770	95.4951	-419	PS	3.8	2	11.3	1	1.5	2	0.339	1	2.484	0	7.322	-1	2501	48	1.9
1334.1	10000	38.7776	95.4951	-420	PS	4.0	2	11.4	2	1.5	2	0.346	1	2.554	0	7.391	-1	2506	58	1.9
1334.0	10000	38.7782	95.4951	-420	PS	3.7	2	10.7	1	1.6	2	0.347	0	2.345	-1	6.765	-1	2508	39	1.9
1333.9	10000	38.7788	95.4951	-422	PS	4.0	2	10.8	2	1.6	2	0.375	1	2.541	0	6.783	-1	2501	55	1.9
1333.8	10000	38.7794	95.4951	-423	PS	3.9	2	10.3	1	1.5	2	0.381	1	2.551	0	6.701	-1	2483	39	1.9
1333.7	10000	38.7801	95.4951	-423	PS	3.8	2	9.9	1	1.5	2	0.383	1	2.597	0	6.776	-1	2454	45	1.9
1333.6	10000	38.7807	95.4951	-424	PS	3.6	1	9.7	1	1.4	1	0.374	1	2.537	0	6.784	-1	2422	36	1.9
1333.5	10000	38.7813	95.4951	-425	PS	3.7	1	9.8	1	1.4	1	0.374	1	2.636	0	7.048	-1	2393	43	1.9
1333.4	10000	38.7819	95.4951	-426	PS	3.2	1	9.5	1	1.4	1	0.343	1	2.348	-1	6.850	-1	2353	38	1.9
1333.3	10000	38.7825	95.4951	-427	PS	3.3	1	9.8	1	1.4	1	0.335	1	2.410	-1	7.195	-1	2321	56	1.9
1333.2	10000	38.7831	95.4951	-428	PS	3.2	1	9.6	1	1.3	1	0.330	0	2.382	-1	7.210	-1	2278	46	1.9
1333.1	10000	38.7838	95.4951	-430	PS	3.3	1	9.3	0	1.3	1	0.354	1	2.459	0	6.942	-1	2245	48	1.9
1333.0	10000	38.7844	95.4951	-432	PS	3.3	1	9.0	-1	1.3	1	0.381	1	2.616	0	6.874	-1	2218	48	1.9
1332.9	10000	38.7850	95.4951	-435	PS	3.3	1	8.7	-1	1.3	1	0.376	1	2.580	0	6.856	-1	2212	45	2.0
1332.8	10000	38.7855	95.4951	-437	PS	3.2	1	8.7	-1	1.3	1	0.369	1	2.497	0	6.770	-1	2205	48	2.0
1332.7	10000	38.7861	95.4951	-440	PS	3.3	1	8.8	-1	1.2	1	0.366	1	2.628	0	7.173	-1	2195	50	2.0
1332.6	10000	38.7867	95.4951	-442	PS	3.3	1	8.8	-1	1.3	1	0.378	1	2.645	0	6.998	-1	2189	46	2.0
1332.5	10000	38.7873	95.4951	-446	PS	3.4	1	8.6	-1	1.3	1	0.398	1	2.734	0	6.865	-1	2206	46	2.0
1332.4	10000	38.7879	95.4951	-450	PS	3.3	1	9.0	-1	1.3	1	0.369	1	2.653	0	7.191	-1	2221	46	2.0
1332.3	10000	38.7885	95.4951	-454	PS	3.3	1	8.8	-1	1.3	1	0.373	1	2.495	0	6.686	-1	2235	39	2.0
1332.2	10000	38.7891	95.4951	-458	PS	3.3	1	8.8	-1	1.3	1	0.381	1	2.502	0	6.560	-1	2238	36	2.0
1332.1	10000	38.7897	95.4951	-461	PS	3.3	1	8.8	-1	1.3	1	0.380	1	2.515	0	6.617	-1	2237	38	2.0
1332.0	10000	38.7903	95.4951	-466	PS	3.3	1	8.8	-1	1.3	1	0.398	1	2.618	0	6.577	-1	2233	50	2.0
1331.9	10000	38.7909	95.4951	-470	PS	3.3	1	8.6	-1	1.3	1	0.411	1	2.749	0	6.686	-1	2213	49	2.0
1331.8	10000	38.7915	95.4952	-475	PS	3.3	1	8.8	-1	1.3	1	0.401	1	2.609	0	6.510	-1	2182	37	2.0
1331.7	10000	38.7921	95.4952	-480	PS	3.3	1	8.8	-1	1.3	1	0.418	1	2.609	0	6.247	-2	2147	46	2.0
1331.6	10000	38.7927	95.4952	-484	PS	3.3	1	8.8	-1	1.3	1	0.389	1	2.535	0	6.514	-1	2095	45	2.0
1331.5	10000	38.7933	95.4952	-489	PS	3.3	1	8.8	-1	1.3	1	0.369	1	2.471	0	6.701	-1	2071	49	2.0
1331.4	10000	38.7939	95.4952	-493	PS	3.3	1	8.8	-1	1.3	1	0.397	1	2.756	0	6.937	-1	2057	45	2.0
1331.3	10000	38.7945	95.4952	-497	PS	3.3	1	8.8	-1	1.3	1	0.404	1	2.700	0	7.416	-1	2053	49	2.0
1331.2	10000	38.7951	95.4952	-502	PS	3.3	1	8.8	-1	1.3	1	0.409	1	2.929	0	7.153	-1	2058	39	2.0
1331.1	10000	38.7957	95.4952	-506	PS	3.3	1	8.8	-1	1.3	1	0.402	1	2.924	0	7.517	-1	2078	42	2.0
1331.0	10000	38.7963	95.4952	-511	PS	3.3	1	8.8	-1	1.3	1	0.405	1	2.077	0	7.603	-1	2093	51	2.0
1330.9	10000	38.7969	95.4952	-515	PS	3.3	1	8.8	-1	1.3	1	0.411	1	2.933	0	8.006	-1	2114	53	2.0
1330.8	10000	38.7975	95.4952	-519	PS	3.3	1	8.8	-1	1.3	1	0.402	1	2.717	0	8.216	-1	2122	61	2.0
1330.7	10000	38.7981	95.4952	-522	PS	3.3	1	8.8	-1	1.3	1	0.379	1	2.887	0	7.892	-1	2126	47	2.0
1330.6	10000	38.7987	95.4952	-526	PS	3.3	1	8.8	-1	1.3	1	0.361	1	2.610	0	7.342	-1	2117	67	2.0
1330.5	10000	38.7993	95.4952	-530	PS	3.3	1	8.8	-1	1.3	1	0.332	1	2.801	0	8.068	-1	2107	51	2.0
1330.4	10000	38.7999	95.4952	-534	PS	3.3	1	8.8	-1	1.3	1	0.312	1	2.879	0	8.632	-1	2099	45	2.0
1330.3	10000	38.8005	95.4952	-537	PS	3.3	1	8.8	-1	1.3	1	0.344	1	2.946	0	8.567	-1	2115	53	2.0
1330.2	10000	38.8011	95.4952	-540	PS	3.3	1	8.8	-1	1.3	1	0.344	1	2.946	0	8.567	-1	2115	53	2.0

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1330.1	10000	38.8017	95.4952	-543	PS	3.3	0	9.1	0	1.1	-1	0.358	1	3.062	1	8.561	0	2119	50	2.0
1330.0	10000	38.8022	95.4952	-546	PS	3.3	0	9.1	0	1.1	-1	0.360	1	3.113	1	8.648	0	2127	53	2.0
1329.9	10000	38.8029	95.4953	-548	PS	3.3	0	8.7	-1	1.1	-1	0.379	1	3.083	1	8.127	0	2113	51	2.0
1329.8	10000	38.8035	95.4953	-551	PS	3.3	0	8.8	-1	1.1	-1	0.376	1	3.051	1	8.121	0	2089	50	2.0
1329.7	10000	38.8040	95.4953	-553	PS	3.1	0	8.1	-1	1.1	-1	0.386	1	2.905	0	7.534	-1	2045	46	2.0
1329.6	10000	38.8046	95.4953	-556	PS	3.2	0	7.6	-2	1.0	-1	0.415	2	3.104	1	7.474	-1	1997	37	2.0
1329.5	10000	38.8052	95.4953	-558	PS	2.9	0	7.8	-2	1.0	-1	0.372	1	2.770	0	7.448	-1	1956	57	2.0
1329.4	10000	38.8058	95.4953	-560	PS	2.8	-1	7.4	-2	1.0	-1	0.377	1	2.755	0	7.312	-1	1912	42	2.0
1329.3	10000	38.8064	95.4953	-562	PS	2.7	-1	7.6	-2	1.0	-1	0.353	0	2.658	0	7.531	-1	1863	51	2.0
1329.2	10000	38.8070	95.4953	-565	PS	2.4	-2	7.5	-2	1.0	-1	0.317	0	2.399	-1	7.577	-1	1837	39	2.1
1329.1	10000	38.8076	95.4953	-567	PS	2.1	-2	7.3	-2	1.0	-1	0.286	-1	2.013	-1	7.034	-1	1854	55	2.1
1329.0	10000	38.8082	95.4953	-569	PS	2.2	-2	7.3	-2	1.0	-1	0.306	0	2.246	-1	7.328	-1	1870	40	2.1
1328.9	10000	38.8088	95.4953	-571	PS	2.4	-2	7.8	-2	1.0	-1	0.304	0	2.274	-1	7.490	-1	1900	42	2.1
1328.8	10000	38.8094	95.4953	-573	PS	2.3	-2	7.7	-2	1.0	-1	0.294	-1	2.176	-1	7.411	-1	1936	41	2.1
1328.7	10000	38.8100	95.4953	-575	PS	2.4	-2	8.0	-1	1.1	-1	0.294	-1	2.231	-1	7.596	-1	1972	51	2.1
1328.6	10000	38.8106	95.4953	-578	PS	2.6	-1	8.0	-1	1.1	-1	0.321	0	2.436	-1	7.577	-1	2017	69	2.0
1328.5	10000	38.8112	95.4953	-580	PS	2.9	-1	8.4	-1	1.1	0	0.340	0	2.613	0	7.684	0	2077	38	2.0
1328.4	10000	38.8118	95.4953	-582	PS	3.1	0	9.0	-1	1.1	0	0.350	0	2.780	0	7.951	0	2105	47	2.0
1328.3	10000	38.8124	95.4953	-585	PS	3.0	0	9.4	0	1.2	0	0.325	0	2.513	0	7.736	0	2154	45	2.0
1328.2	10000	38.8130	95.4953	-588	PS	3.1	0	9.4	0	1.2	0	0.333	0	2.547	0	7.642	-1	2189	60	2.0
1328.1	10000	38.8136	95.4953	-590	PS	3.2	0	9.2	0	1.3	0	0.354	0	2.570	0	7.264	-1	2218	44	2.0
1328.0	10000	38.8142	95.4953	-592	PS	3.2	0	9.5	0	1.3	1	0.337	0	2.396	-1	7.108	-1	2262	46	2.0
1327.9	10000	38.8148	95.4953	-595	PS	2.8	-1	9.7	0	1.4	1	0.285	-1	1.946	-1	6.826	-1	2293	44	2.0
1327.8	10000	38.8154	95.4953	-597	PS	2.5	-1	10.0	0	1.5	2	0.251	-1	1.707	-2	6.792	-1	2304	48	2.0
1327.7	10000	38.8160	95.4954	-600	PS	2.4	-2	10.0	0	1.5	2	0.236	-2	1.622	-2	6.864	-1	2336	51	2.0
1327.6	10000	38.8166	95.4954	-601	PS	2.6	-1	10.2	1	1.5	1	0.256	-1	1.806	-2	7.045	-1	2347	49	2.0
1327.5	10000	38.8172	95.4954	-603	PS	2.6	-1	10.4	1	1.5	2	0.248	-1	1.732	-2	6.986	-1	2373	62	2.0
1327.4	10000	38.8178	95.4954	-605	PS	2.7	-1	10.7	1	1.5	2	0.248	-1	1.776	-2	7.166	-1	2386	40	2.0
1327.3	10000	38.8184	95.4954	-606	PS	2.5	-1	10.1	0	1.5	2	0.250	-1	1.699	-2	6.787	-1	2374	40	2.0
1327.2	10000	38.8190	95.4954	-607	PS	2.9	-1	10.6	1	1.5	2	0.273	-1	1.911	-2	6.852	-1	2352	38	2.0
1327.1	10000	38.8196	95.4954	-608	PS	3.1	0	10.7	1	1.5	2	0.293	-1	2.011	-1	6.867	-1	2311	38	2.0
1327.0	10000	38.8202	95.4954	-609	PS	3.2	0	10.9	1	1.5	2	0.293	-1	2.011	-1	6.867	-1	2311	38	2.0
1326.9	10000	38.8207	95.4954	-609	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1326.8	10000	38.8214	95.4954	-610	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1326.7	10000	38.8220	95.4954	-609	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1326.6	10000	38.8225	95.4954	-609	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1326.5	10000	38.8231	95.4954	-608	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1326.4	10000	38.8237	95.4954	-607	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1326.3	10000	38.8243	95.4954	-605	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1326.2	10000	38.8249	95.4954	-602	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1326.1	10000	38.8255	95.4954	-600	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1326.0	10000	38.8261	95.4954	-600	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1325.9	10000	38.8267	95.4955	-599	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1325.8	10000	38.8273	95.4955	-597	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1325.7	10000	38.8279	95.4955	-594	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1325.6	10000	38.8285	95.4955	-591	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1325.5	10000	38.8291	95.4955	-587	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1325.4	10000	38.8297	95.4955	-583	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1325.3	10000	38.8303	95.4955	-580	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1325.2	10000	38.8309	95.4955	-576	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1325.1	10000	38.8315	95.4955	-572	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0
1325.0	10000	38.8321	95.4955	-569	PS	3.3	0	10.9	1	1.5	2	0.304	-1	2.085	-1	6.862	-1	2299	38	2.0

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1324.9	10000	38.8327	95.4955	-565	PS	2.9	-1	7.5	-2	1.2	0	0.382	1	2.412	-1	6.311	-2	2017	52	1.9
1324.8	10000	38.8333	95.4955	-561	PS	2.9	0	7.7	-2	1.2	0	0.376	1	2.457	0	6.531	-1	1990	49	1.9
1324.7	10000	38.8339	95.4955	-557	PS	3.0	0	7.4	-2	1.2	0	0.409	1	2.569	0	6.288	-2	2002	35	1.9
1324.6	10000	38.8345	95.4955	-553	PS	3.1	0	7.6	-2	1.1	0	0.410	1	2.737	0	6.669	-1	2008	47	1.9
1324.5	10000	38.8351	95.4955	-549	PS	3.1	0	7.9	-2	1.1	0	0.386	1	2.700	0	7.000	-1	2050	44	1.9
1324.4	10000	38.8357	95.4955	-546	PS	3.1	0	8.1	-1	1.2	0	0.387	1	2.577	0	6.651	-1	2109	59	1.9
1324.3	10000	38.8363	95.4955	-542	PS	3.2	0	8.3	-1	1.2	0	0.381	1	2.527	0	6.628	-1	2170	48	1.9
1324.2	10000	38.8369	95.4955	-539	PS	3.5	1	8.9	-1	1.3	0	0.395	1	2.760	0	6.980	-1	2244	39	1.9
1324.1	10000	38.8375	95.4955	-536	PS	3.6	1	9.4	0	1.3	0	0.379	1	2.841	0	7.495	-1	2299	43	1.9
1324.0	10000	38.8381	95.4955	-533	PS	3.4	1	10.0	0	1.3	1	0.340	0	2.614	0	7.680	0	2312	62	1.9
1323.9	10000	38.8387	95.4955	-531	PS	3.3	0	10.2	1	1.3	1	0.326	0	2.563	0	7.862	0	2314	49	1.9
1323.8	10000	38.8393	95.4955	-529	PS	3.1	0	10.2	1	1.3	1	0.307	0	2.420	-1	7.891	0	2287	49	1.9
1323.7	10000	38.8399	95.4956	-527	PS	3.3	0	9.9	0	1.2	0	0.333	0	2.680	0	8.039	0	2226	56	1.9
1323.6	10000	38.8405	95.4956	-526	PS	3.1	0	9.9	0	1.2	0	0.319	0	2.704	0	8.469	0	2158	35	1.8
1323.5	10000	38.8410	95.4956	-524	PS	3.1	0	9.5	0	1.1	0	0.326	0	2.739	0	8.399	0	2092	46	1.8
1323.4	10000	38.8417	95.4956	-523	PS	3.0	0	9.4	0	1.1	0	0.320	0	2.627	0	8.218	0	2055	37	1.8
1323.3	10000	38.8422	95.4956	-522	PS	3.1	0	8.3	-1	1.1	0	0.372	1	2.765	0	7.431	-1	2007	45	1.8
1323.2	10000	38.8428	95.4956	-521	PS	2.8	-1	8.0	-1	1.1	0	0.348	0	2.505	0	7.201	-1	1972	55	1.8
1323.1	10000	38.8434	95.4956	-520	PS	2.9	-1	7.6	-2	1.1	0	0.379	1	2.547	0	6.714	-1	1946	49	1.8
1323.0	10000	38.8440	95.4956	-519	PS	2.7	-1	7.4	-2	1.1	0	0.369	1	2.468	0	6.690	-1	1949	42	1.8
1322.9	10000	38.8446	95.4956	-518	PS	2.8	-1	7.4	-2	1.1	0	0.385	1	2.487	0	6.466	-1	1961	45	1.8
1322.8	10000	38.8452	95.4956	-517	PS	3.0	0	7.3	-2	1.2	0	0.407	1	2.577	0	6.335	-2	1996	34	1.8
1322.7	10000	38.8458	95.4956	-516	PS	3.0	0	7.4	-2	1.2	0	0.408	1	2.535	0	6.220	-2	2018	61	1.8
1322.6	10000	38.8464	95.4956	-516	PS	2.9	0	7.8	-2	1.2	0	0.377	1	2.465	0	6.546	-1	2068	47	1.8
1322.5	10000	38.8470	95.4956	-514	PS	3.3	1	8.3	-1	1.2	0	0.399	1	2.720	0	6.811	-1	2119	53	1.8
1322.4	10000	38.8476	95.4956	-514	PS	3.5	1	8.7	-1	1.3	1	0.397	1	2.705	0	6.809	-1	2202	45	1.8
1322.3	10000	38.8482	95.4956	-513	PS	3.5	1	9.3	0	1.4	1	0.373	1	2.530	0	6.779	-1	2265	49	1.8
1322.2	10000	38.8488	95.4956	-512	PS	3.4	1	9.6	0	1.4	1	0.356	1	2.434	-1	6.830	-1	2328	53	1.8
1322.1	10000	38.8494	95.4956	-512	PS	3.4	1	9.8	0	1.4	1	0.351	1	2.364	-1	6.570	-1	2364	50	1.8
1322.0	10000	38.8500	95.4956	-511	PS	3.4	1	9.8	0	1.4	1	0.354	1	2.401	-1	6.492	-1	2401	42	1.8
1321.9	10000	38.8506	95.4957	-511	PS	3.4	1	9.8	0	1.4	1	0.330	1	2.446	-1	6.679	-1	2446	53	1.8
1321.8	10000	38.8512	95.4957	-512	PS	3.4	1	9.8	0	1.4	1	0.328	1	2.469	-1	6.594	-1	2469	44	1.8
1321.7	10000	38.8518	95.4957	-513	PS	3.4	1	9.8	0	1.4	1	0.337	1	2.449	-1	6.526	-1	2449	51	1.8
1321.6	10000	38.8524	95.4957	-513	PS	3.4	1	9.8	0	1.4	1	0.338	1	2.407	-1	6.588	-1	2407	53	1.8
1321.5	10000	38.8530	95.4957	-514	PS	3.4	1	9.8	0	1.4	1	0.322	1	2.352	-1	6.874	-1	2352	49	1.8
1321.4	10000	38.8536	95.4957	-515	PS	3.4	1	9.8	0	1.4	1	0.315	1	2.293	-1	6.116	-1	2293	59	1.8
1321.3	10000	38.8542	95.4957	-516	PS	3.4	1	9.8	0	1.4	1	0.335	1	2.230	-1	6.385	-1	2230	46	1.8
1321.2	10000	38.8548	95.4957	-516	PS	3.4	1	9.8	0	1.4	1	0.329	1	2.149	-1	6.085	-1	2149	50	1.8
1321.1	10000	38.8554	95.4957	-517	PS	3.4	1	9.8	0	1.4	1	0.339	1	2.088	-1	6.973	-1	2088	51	1.8
1321.0	10000	38.8560	95.4957	-518	PS	3.4	1	9.8	0	1.4	1	0.336	1	2.043	-1	6.282	-1	2043	41	1.8
1320.9	10000	38.8566	95.4957	-519	PS	3.4	1	9.8	0	1.4	1	0.336	1	2.081	-1	6.429	-1	2081	55	1.8
1320.8	10000	38.8572	95.4957	-521	PS	3.4	1	9.8	0	1.4	1	0.336	1	2.119	-1	6.694	-1	2119	44	1.8
1320.7	10000	38.8578	95.4957	-522	PS	3.4	1	9.8	0	1.4	1	0.336	1	2.158	-1	6.284	-1	2158	42	1.8
1320.6	10000	38.8584	95.4957	-523	PS	3.4	1	9.8	0	1.4	1	0.336	1	2.180	-1	6.332	-1	2180	50	1.8
1320.5	10000	38.8590	95.4957	-526	PS	3.4	1	9.8	0	1.4	1	0.336	1	2.186	-1	6.428	-1	2186	43	1.8
1320.4	10000	38.8596	95.4957	-528	PS	3.4	1	9.8	0	1.4	1	0.336	1	2.173	-1	6.436	-1	2173	43	1.8
1320.3	10000	38.8601	95.4957	-530	PS	3.4	1	9.8	0	1.4	1	0.336	1	2.144	-1	6.398	-1	2144	57	1.8
1320.2	10000	38.8607	95.4957	-532	PS	3.4	1	9.8	0	1.4	1	0.336	1	2.071	-1	6.201	-1	2071	38	1.8
1320.1	10000	38.8614	95.4957	-535	PS	3.4	1	9.8	0	1.4	1	0.336	1	2.005	-1	6.187	-1	2005	50	1.8
1320.0	10000	38.8619	95.4957	-537	PS	3.4	1	9.8	0	1.4	1	0.336	1	1.932	-1	6.012	-1	1932	35	1.8
1319.9	10000	38.8625	95.4957	-539	PS	3.4	1	9.8	0	1.4	1	0.336	1	1.889	-1	6.081	-1	1889	39	1.8
1319.8	10000	38.8631	95.4957	-541	PS	3.4	1	9.8	0	1.4	1	0.336	1	1.856	-1	6.752	-1	1856	39	1.8

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1319.7	10000	38.8637	95.4958	-544	PS	2.8	-1	6.7	-3	1.0	-1	0.423	2	2.770	0	6.543	-1	1863	48	1.8
1319.6	10000	38.8643	95.4958	-546	PS	2.7	-1	7.0	-2	1.0	-1	0.386	1	2.651	0	6.860	-1	1838	44	1.8
1319.5	10000	38.8649	95.4958	-548	PS	2.8	-1	6.6	-3	1.0	-1	0.415	2	2.717	0	6.541	-1	1827	49	1.8
1319.4	10000	38.8655	95.4958	-550	PS	2.6	-1	6.6	-3	1.0	-1	0.393	1	2.536	0	6.454	-1	1834	35	1.8
1319.3	10000	38.8661	95.4958	-551	PS	2.6	-1	7.0	-2	1.0	-1	0.365	1	2.540	0	6.965	-1	1841	46	1.8
1319.2	10000	38.8667	95.4958	-552	PS	2.4	-1	7.3	-2	1.0	-1	0.330	0	2.327	-1	7.055	-1	1863	31	1.8
1319.1	10000	38.8673	95.4958	-552	PS	2.3	-2	7.9	-2	1.0	-1	0.295	-1	2.229	-1	7.564	-1	1880	42	1.9
1319.0	10000	38.8679	95.4958	-552	PS	2.3	-2	8.4	-1	1.0	-1	0.272	-1	2.241	-1	8.251	0	1898	62	1.9
1318.9	10000	38.8685	95.4958	-552	PS	2.1	-2	8.1	-1	1.0	-1	0.259	-1	2.004	-1	7.735	0	1905	63	1.9
1318.8	10000	38.8691	95.4958	-552	PS	2.0	-2	8.4	-1	1.1	-1	0.243	-2	1.925	-2	7.936	0	1904	38	1.9
1318.7	10000	38.8697	95.4958	-552	PS	2.0	-2	8.4	-1	1.1	0	0.239	-2	1.823	-2	7.640	-1	1906	38	1.9
1318.6	10000	38.8703	95.4958	-552	PS	2.0	-2	8.9	-1	1.2	0	0.228	-2	1.729	-2	7.597	-1	1940	68	1.9
1318.5	10000	38.8709	95.4958	-552	PS	2.2	-2	9.0	-1	1.2	0	0.244	-1	1.805	-2	7.388	-1	1954	50	1.9
1318.4	10000	38.8715	95.4958	-552	PS	2.4	-2	8.8	-1	1.2	0	0.270	-1	1.937	-1	7.161	-1	1961	49	1.9
1318.3	10000	38.8721	95.4958	-552	PS	2.2	-2	8.6	-1	1.3	0	0.258	-1	1.743	-2	6.760	-1	1975	41	1.9
1318.2	10000	38.8727	95.4958	-552	PS	2.2	-2	8.8	-1	1.3	1	0.256	-1	1.726	-2	6.743	-1	1988	39	1.9
1318.1	10000	38.8733	95.4958	-553	PS	2.1	-2	8.8	-1	1.3	1	0.238	-2	1.577	-2	6.623	-1	1996	35	1.9
1318.0	10000	38.8739	95.4958	-554	PS	2.1	-2	8.9	-1	1.3	1	0.231	-2	1.566	-2	6.795	-1	1997	57	1.9
1317.9	10000	38.8745	95.4958	-555	PS	2.2	-2	8.6	-1	1.3	1	0.255	-1	1.686	-2	6.622	-1	1973	55	1.9
1317.8	10000	38.8751	95.4958	-556	PS	2.1	-2	8.4	-1	1.2	0	0.248	-1	1.710	-2	6.902	-1	1949	55	1.9
1317.7	10000	38.8757	95.4958	-557	PS	2.1	-2	8.5	-1	1.2	0	0.249	-1	1.752	-2	7.025	-1	1939	52	1.9
1317.6	10000	38.8763	95.4959	-558	PS	2.2	-2	8.3	-1	1.2	0	0.264	-1	1.812	-2	6.877	-1	1929	39	1.9
1317.5	10000	38.8769	95.4959	-560	PS	2.5	-1	8.3	-1	1.2	0	0.304	0	2.079	-1	6.847	-1	1945	43	1.9
1317.4	10000	38.8775	95.4959	-561	PS	2.6	-1	8.6	-1	1.2	0	0.298	-1	2.202	-1	7.398	-1	1976	48	1.9
1317.3	10000	38.8781	95.4959	-563	PS	2.9	-1	8.8	-1	1.2	0	0.333	0	2.414	-1	7.254	-1	2011	45	1.9
1317.2	10000	38.8786	95.4959	-566	PS	2.7	-1	9.3	-1	1.3	0	0.291	-1	2.120	-1	7.294	-1	2083	62	1.9
1317.1	10000	38.8792	95.4959	-567	PS	2.8	-1	9.4	-1	1.4	1	0.298	-1	2.051	-1	6.894	-1	2143	59	1.9
1317.0	10000	38.8799	95.4959	-569	PS	2.6	-1	9.5	-1	1.4	1	0.268	-1	1.806	-2	6.741	-1	2203	40	1.9
1316.9	10000	38.8804	95.4959	-570	PS	3.1	0	9.9	-1	1.5	2	0.316	0	2.142	-1	6.775	-1	2267	39	1.9
1316.8	10000	38.8810	95.4959	-572	PS	3.0	0	10.0	-1	1.5	2	0.312	0	2.118	-1	6.780	-1	2321	41	1.9
1316.7	10000	38.8816	95.4959	-574	PS	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	2382	57	1.9
1316.6	10000	38.8822	95.4959	-575	PS	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	2406	48	1.9
1316.5	10000	38.8828	95.4959	-578	PS	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	2381	49	1.9
1316.4	10000	38.8834	95.4959	-581	PS	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	2347	54	1.9
1316.3	10000	38.8840	95.4959	-583	PS	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	2301	43	1.9
1316.2	10000	38.8846	95.4959	-586	PS	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	2221	50	1.9
1316.1	10000	38.8853	95.4959	-589	PS	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	2133	45	1.9
1316.0	10000	38.8859	95.4959	-592	PS	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	2030	43	1.9
1315.9	10000	38.8865	95.4959	-594	PS	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	1950	39	1.9
1315.8	10000	38.8871	95.4959	-597	QAL	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	1892	40	1.9
1315.7	10000	38.8877	95.4959	-599	QAL	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	1851	31	1.9
1315.6	10000	38.8884	95.4959	-602	QAL	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	1816	56	1.9
1315.5	10000	38.8890	95.4959	-606	QAL	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	1794	41	1.9
1315.4	10000	38.8896	95.4959	-609	QAL	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	1812	60	1.9
1315.3	10000	38.8902	95.4959	-613	QAL	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	1845	44	1.9
1315.2	10000	38.8909	95.4959	-617	QAL	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	1897	39	1.9
1315.1	10000	38.8915	95.4959	-620	QAL	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	1952	46	1.9
1315.0	10000	38.8921	95.4959	-624	QAL	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	2021	49	1.9
1314.9	10000	38.8927	95.4959	-628	QAL	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	2095	35	1.9
1314.8	10000	38.8933	95.4959	-632	QAL	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	2156	52	1.9
1314.7	10000	38.8940	95.4959	-636	QAL	3.0	0	10.0	-1	1.5	2	0.303	0	2.058	-1	6.780	-1	2173	47	1.9
1314.6	10000	38.8946	95.4958	-640	QAL	2.8	-1	9.9	-1	1.4	2	0.283	0	1.906	-1	6.930	-1	2171	38	1.9

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1314.5	10000	38.8952	95.4958	-643	QAL	2.9	0	8.6	-1	1.3	0	0.337	0	2.147	-1	6.370	-1	2160	41	1.9
1314.4	10000	38.8958	95.4958	-647	QAL	2.7	-1	8.4	-1	1.3	0	0.319	0	2.041	-1	6.390	-1	2107	47	1.9
1314.3	10000	38.8965	95.4958	-650	QAL	2.6	-1	8.2	-1	1.2	0	0.321	0	2.098	-1	6.534	-1	2044	43	1.9
1314.2	10000	38.8971	95.4958	-652	QAL	2.6	-1	8.3	-1	1.2	0	0.308	0	2.080	-1	6.756	-1	1991	55	1.9
1314.1	10000	38.8977	95.4958	-655	QAL	2.4	-1	7.9	-1	1.2	0	0.299	-1	2.039	-1	6.817	-1	1938	32	1.9
1314.0	10000	38.8983	95.4958	-658	QAL	2.3	-1	7.7	-1	1.1	-1	0.304	-1	2.112	-1	6.957	0	1903	49	1.9
1313.9	10000	38.8989	95.4958	-661	PS	2.5	-1	7.5	-2	1.0	-1	0.331	0	2.422	-1	7.308	-1	1860	41	1.9
1313.8	10000	38.8996	95.4958	-663	PS	2.4	-2	7.6	-2	1.0	-1	0.311	0	2.456	0	7.907	0	1825	41	1.9
1313.7	10000	38.9002	95.4958	-665	PS	2.4	-2	7.7	-2	0.9	-1	0.309	0	2.599	0	8.412	0	1811	53	1.9
1313.6	10000	38.9008	95.4958	-667	PS	2.4	-2	7.7	-2	0.9	-1	0.306	0	2.575	0	8.426	0	1804	38	1.9
1313.5	10000	38.9014	95.4958	-670	PS	2.0	-2	7.2	-2	0.9	-2	0.279	-1	2.279	-1	8.174	0	1766	51	1.9
1313.4	10000	38.9021	95.4958	-672	PS	2.0	-2	7.5	-2	0.9	-1	0.270	-1	2.220	-1	8.229	0	1761	54	1.9
1313.3	10000	38.9027	95.4958	-675	PS	2.1	-2	7.8	-2	0.9	-2	0.266	-1	2.306	-1	8.664	0	1747	47	1.9
1313.2	10000	38.9033	95.4958	-676	PS	2.0	-2	8.0	-1	0.9	-2	0.255	-1	2.269	-1	8.907	0	1752	54	1.9
1313.1	10000	38.9039	95.4958	-679	PS	2.2	-2	7.8	-2	0.9	-2	0.284	-1	2.451	0	8.620	0	1764	43	1.9
1313.0	10000	38.9045	95.4958	-680	PS	2.3	-2	8.0	-1	0.9	-1	0.283	-1	2.453	0	8.661	0	1806	51	1.9
1312.9	10000	38.9052	95.4958	-681	PS	2.4	-2	8.5	-1	0.9	-1	0.281	-1	2.617	0	9.318	1	1853	48	1.9
1312.8	10000	38.9058	95.4958	-682	PS	2.6	-1	8.9	-1	1.0	-1	0.290	-1	2.695	0	9.296	1	1934	53	1.9
1312.7	10000	38.9064	95.4958	-683	PS	2.8	-1	9.0	-1	1.0	-1	0.315	0	2.777	0	8.823	0	2008	34	1.9
1312.6	10000	38.9070	95.4958	-685	PS	2.9	0	8.7	-1	1.0	-1	0.331	0	2.779	0	8.401	0	2075	47	1.9
1312.5	10000	38.9076	95.4958	-686	PS	3.0	0	9.0	-1	1.1	0	0.331	0	2.600	0	7.845	0	2159	42	2.0
1312.4	10000	38.9083	95.4958	-686	PS	2.7	-1	9.5	0	1.2	0	0.282	-1	2.209	-1	7.831	0	2240	57	2.0
1312.3	10000	38.9089	95.4958	-687	PS	2.7	-1	10.1	0	1.3	1	0.266	-1	2.049	-1	7.693	0	2309	54	2.0
1312.2	10000	38.9095	95.4958	-688	PS	2.8	-1	10.4	1	1.4	1	0.269	-1	2.039	-1	7.582	-1	2369	42	2.0
1312.1	10000	38.9101	95.4958	-688	PS	3.1	0	10.4	1	1.4	1	0.294	-1	2.206	-1	7.495	-1	2415	44	2.0
1312.0	10000	38.9108	95.4958	-689	PS	3.0	0	10.7	1	1.4	1	0.276	-1	2.074	-1	7.507	-1	2454	58	2.0
1311.9	10000	38.9114	95.4958	-689	PS	2.8	-1	11.2	1	1.5	2	0.254	-1	1.936	-1	7.625	-1	2503	51	2.0
1311.8	10000	38.9120	95.4957	-689	PS	3.2	0	11.0	1	1.4	1	0.292	-1	2.322	-1	7.943	0	2501	56	2.0
1311.7	10000	38.9126	95.4957	-690	PS	3.5	1	10.7	1	1.4	1	0.327	0	2.493	0	7.631	-1	2492	53	2.0
1311.6	10000	38.9132	95.4957	-689	PS	3.7	1	10.0	0	1.4	1	0.371	1	2.750	0	7.407	-1	2453	45	2.0
1311.5	10000	38.9139	95.4957	-689	PS	3.8	1	9.6	0	1.4	1	0.396	1	2.795	0	7.054	-1	2420	47	2.0
1311.4	10000	38.9145	95.4957	-689	PS	3.6	1	9.5	0	1.4	1	0.391	1	2.631	0	6.735	-1	2390	55	2.0
1311.3	10000	38.9151	95.4957	-688	PS	3.5	1	9.2	0	1.4	1	0.435	1	2.756	0	6.333	-2	2365	45	2.0
1311.2	10000	38.9157	95.4957	-688	PS	3.2	1	8.6	-1	1.4	1	0.429	1	2.482	0	5.780	-2	2322	45	2.0
1311.1	10000	38.9164	95.4957	-687	PS	3.0	1	8.2	-1	1.4	1	0.361	0	1.985	-1	5.502	-2	2285	37	2.0
1311.0	10000	38.9170	95.4957	-687	PS	2.7	1	7.8	-1	1.4	1	0.334	0	1.920	-1	5.753	-2	2240	44	2.0
1310.9	10000	38.9176	95.4957	-687	PS	2.4	1	7.4	-1	1.4	1	0.288	-1	1.719	-2	5.966	-2	2223	52	2.0
1310.8	10000	38.9182	95.4957	-686	PS	2.4	1	7.4	-1	1.4	1	0.286	-1	1.635	-2	5.712	-2	2206	53	2.0
1310.7	10000	38.9188	95.4957	-685	PS	2.2	1	7.0	-1	1.4	1	0.277	-1	1.659	-2	5.991	-2	2195	51	2.0
1310.6	10000	38.9195	95.4957	-685	PS	2.0	1	6.6	-1	1.4	1	0.259	-1	1.620	-2	6.243	-2	2184	48	2.0
1310.5	10000	38.9201	95.4957	-685	PS	1.9	1	6.3	-1	1.4	1	0.257	-1	1.985	-2	6.396	-2	2177	50	2.0
1310.4	10000	38.9207	95.4957	-684	PS	1.9	1	6.3	-1	1.4	1	0.257	-1	2.312	-2	6.480	-1	2186	57	2.0
1310.3	10000	38.9213	95.4957	-683	PS	1.9	1	6.3	-1	1.4	1	0.257	-1	2.280	-2	6.631	-1	2192	59	2.0
1310.2	10000	38.9219	95.4957	-682	PS	1.9	1	6.3	-1	1.4	1	0.257	-1	2.360	-2	6.469	-1	2176	47	2.0
1310.1	10000	38.9226	95.4957	-682	PS	1.9	1	6.3	-1	1.4	1	0.257	-1	2.335	-2	6.466	-1	2186	47	2.0
1310.0	10000	38.9232	95.4957	-681	PS	1.9	1	6.3	-1	1.4	1	0.257	-1	2.330	-2	6.655	-1	2186	51	2.0
1309.9	10000	38.9238	95.4957	-680	PS	1.9	1	6.3	-1	1.4	1	0.257	-1	2.352	-2	6.454	-1	2169	67	2.0
1309.8	10000	38.9244	95.4957	-679	PS	1.9	1	6.3	-1	1.4	1	0.257	-1	2.279	-1	6.782	-1	2172	37	2.0
1309.7	10000	38.9250	95.4957	-678	PS	1.9	1	6.3	-1	1.4	1	0.257	-1	2.141	-1	6.898	-1	2172	56	2.0
1309.6	10000	38.9257	95.4957	-677	PS	1.9	1	6.3	-1	1.4	1	0.257	-1	2.260	-1	6.866	-1	2170	45	2.0
1309.5	10000	38.9263	95.4957	-675	PS	1.9	1	6.3	-1	1.4	1	0.257	-1	2.353	-1	7.060	-1	2176	52	2.0
1309.4	10000	38.9269	95.4957	-674	PS	1.9	1	6.3	-1	1.4	1	0.257	-1	2.152	-1	7.391	-1	2158	55	2.0

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1309.3	10000	38.9275	95.4957	-673	PS	2.5	-1	8.7	-1	1.2	0	0.284	-1	2.054	-1	7.222	-1	2141	42	2.0
1309.2	10000	38.9282	95.4957	-671	PS	2.6	-1	9.3	0	1.2	0	0.277	-1	2.164	-1	7.806	0	2157	53	2.0
1309.1	10000	38.9288	95.4956	-669	PS	2.8	-1	9.1	-1	1.2	0	0.306	0	2.319	-1	7.582	-1	2163	54	2.0
1309.0	10000	38.9294	95.4956	-667	PS	3.0	0	8.8	-1	1.2	0	0.334	0	2.500	0	7.490	-1	2161	34	2.0
1308.9	10000	38.9300	95.4956	-664	PS	3.2	0	8.8	-1	1.2	0	0.358	1	2.700	0	7.540	-1	2158	53	2.0
1308.8	10000	38.9306	95.4956	-662	PS	3.1	0	8.5	-1	1.1	0	0.370	1	2.746	0	7.428	-1	2160	53	2.0
1308.7	10000	38.9313	95.4956	-660	PS	3.3	0	8.2	-1	1.1	0	0.407	1	3.028	1	7.435	-1	2164	45	2.0
1308.6	10000	38.9319	95.4956	-657	PS	3.5	1	8.1	-1	1.1	-1	0.432	2	3.255	1	7.542	-1	2185	53	2.0
1308.5	10000	38.9325	95.4956	-654	PS	3.5	1	8.0	-1	1.1	-1	0.438	2	3.287	1	7.510	-1	2174	46	2.0
1308.4	10000	38.9331	95.4956	-652	PS	3.6	1	8.3	-1	1.0	-1	0.430	2	3.487	2	8.117	0	2161	61	2.0
1308.3	10000	38.9338	95.4956	-648	QGD	3.3	1	8.6	-1	1.0	-2	0.388	1	3.264	2	8.407	1	2181	38	2.0
1308.2	10000	38.9344	95.4956	-645	QGD	3.1	0	8.4	-1	1.1	-1	0.374	1	2.957	1	7.909	0	2214	38	2.0
1308.1	10000	38.9350	95.4956	-642	QGD	3.2	0	8.9	0	1.2	-1	0.362	1	2.786	1	7.687	0	2240	39	2.0
1308.0	10000	38.9356	95.4956	-639	QGD	3.3	0	9.5	0	1.2	0	0.346	1	2.779	1	8.026	1	2254	38	2.0
1307.9	10000	38.9362	95.4956	-635	QGD	3.2	0	9.6	0	1.2	0	0.332	0	2.582	1	7.771	0	2265	46	2.0
1307.8	10000	38.9369	95.4956	-631	QGD	3.2	0	9.5	0	1.2	0	0.334	0	2.588	0	7.745	0	2265	53	2.0
1307.7	10000	38.9375	95.4956	-627	QGD	2.9	0	9.8	0	1.2	0	0.301	0	2.366	0	7.863	0	2257	45	2.0
1307.6	10000	38.9381	95.4956	-624	QGD	3.2	0	9.4	0	1.3	0	0.338	0	2.511	0	7.422	0	2236	42	2.0
1307.5	10000	38.9387	95.4956	-620	QGD	3.0	0	9.6	0	1.3	0	0.313	0	2.322	0	7.426	0	2192	52	2.0
1307.4	10000	38.9393	95.4956	-616	QGD	2.9	0	9.3	0	1.2	0	0.310	0	2.410	0	7.764	0	2155	44	2.0
1307.3	10000	38.9400	95.4956	-613	QGD	2.7	-1	9.0	0	1.2	0	0.302	0	2.245	-1	7.428	0	2134	53	2.0
1307.2	10000	38.9406	95.4956	-610	QGD	2.7	-1	9.1	-1	1.2	-1	0.292	-1	2.303	0	7.884	0	2094	51	2.0
1307.1	10000	38.9412	95.4956	-609	QGD	2.8	-1	9.1	-1	1.1	-1	0.313	0	2.480	0	7.932	0	2078	46	2.0
1307.0	10000	38.9418	95.4956	-606	QGD	2.6	-1	8.7	-1	1.1	-1	0.296	-1	2.285	0	7.731	0	2066	50	2.0
1306.9	10000	38.9425	95.4956	-603	QGD	2.3	-2	8.8	-1	1.1	-1	0.257	-1	2.049	-1	7.980	0	2050	38	2.0
1306.8	10000	38.9431	95.4956	-600	QGD	2.4	-2	8.6	-1	1.0	-2	0.274	-1	2.274	-1	8.294	1	2046	45	2.0
1306.7	10000	38.9437	95.4955	-598	QGD	2.3	-2	8.9	0	1.1	-2	0.258	-1	2.215	-1	8.573	1	2039	47	2.0
1306.6	10000	38.9443	95.4955	-595	QGD	2.3	-2	8.8	-1	1.0	-2	0.259	-1	2.265	-1	8.748	1	2040	58	2.0
1306.5	10000	38.9449	95.4955	-592	QGD	2.6	-1	8.8	0	1.1	-2	0.291	-1	2.550	0	8.776	1	2056	60	2.0
1306.4	10000	38.9456	95.4955	-589	QGD	2.3	-2	8.6	-1	1.1	-2	0.269	-1	2.180	-1	8.104	1	2077	60	2.0
1306.3	10000	38.9462	95.4955	-586	QGD	2.6	-1	8.9	0	1.1	-2	0.290	-1	2.321	0	8.013	1	2108	42	2.0
1306.2	10000	38.9468	95.4955	-583	QGD	2.6	-1	8.9	0	1.1	-2	0.290	-1	2.271	0	7.824	1	2118	47	2.0
1306.1	10000	38.9474	95.4955	-580	QGD	2.6	-1	8.8	0	1.1	-2	0.282	-1	2.233	0	7.908	1	2122	48	2.0
1306.0	10000	38.9481	95.4955	-577	QGD	2.6	-1	8.8	0	1.1	-2	0.302	-1	2.291	0	7.579	1	2130	45	2.0
1305.9	10000	38.9487	95.4955	-573	QGD	2.6	-1	8.8	0	1.1	-2	0.328	-1	2.499	1	7.625	1	2115	47	2.0
1305.8	10000	38.9493	95.4955	-572	QGD	2.6	-1	8.8	0	1.1	-2	0.320	-1	2.307	1	7.158	1	2105	54	2.0
1305.7	10000	38.9499	95.4955	-571	QGD	2.6	-1	8.8	0	1.1	-2	0.320	-1	2.452	1	7.669	1	2086	42	2.0
1305.6	10000	38.9505	95.4955	-567	QGD	2.6	-1	8.8	0	1.1	-2	0.331	-1	2.505	1	7.545	1	2076	45	2.0
1305.5	10000	38.9512	95.4955	-563	QGD	2.6	-1	8.8	0	1.1	-2	0.335	-1	2.535	1	7.425	1	2084	40	2.0
1305.4	10000	38.9518	95.4955	-559	QGD	2.6	-1	8.8	0	1.1	-2	0.310	-1	2.414	1	7.208	1	2115	44	2.0
1305.3	10000	38.9524	95.4955	-555	QGD	2.6	-1	8.8	0	1.1	-2	0.295	-1	2.337	1	7.542	1	2133	42	2.0
1305.2	10000	38.9530	95.4955	-551	QGD	2.6	-1	8.8	0	1.1	-2	0.305	-1	2.375	1	7.027	1	2155	40	2.0
1305.1	10000	38.9537	95.4955	-546	QGD	2.6	-1	8.8	0	1.1	-2	0.268	-1	2.236	1	7.323	1	2159	56	2.0
1305.0	10000	38.9543	95.4955	-542	QGD	2.6	-1	8.8	0	1.1	-2	0.266	-1	2.191	1	7.147	1	2166	53	2.0
1304.9	10000	38.9549	95.4955	-538	QGD	2.6	-1	8.8	0	1.1	-2	0.283	-1	2.337	1	7.092	1	2167	45	2.0
1304.8	10000	38.9555	95.4955	-534	QGD	2.6	-1	8.8	0	1.1	-2	0.304	-1	2.499	1	7.047	1	2157	47	2.0
1304.7	10000	38.9561	95.4955	-529	QGD	2.6	-1	8.8	0	1.1	-2	0.329	-1	2.705	1	6.594	1	2133	43	2.0
1304.6	10000	38.9568	95.4955	-524	QGD	2.6	-1	8.8	0	1.1	-2	0.321	-1	2.639	1	6.102	2	2132	60	2.0
1304.5	10000	38.9574	95.4955	-519	QGD	2.6	-1	8.8	0	1.1	-2	0.322	-1	2.645	1	6.661	1	2128	43	2.0
1304.4	10000	38.9580	95.4955	-514	QGD	2.6	-1	8.8	0	1.1	-2	0.321	-1	2.639	1	6.847	1	2132	60	2.0
1304.3	10000	38.9586	95.4955	-508	QGD	2.6	-1	8.8	0	1.1	-2	0.322	-1	2.645	1	6.958	1	2128	43	2.0
1304.2	10000	38.9592	95.4955	-503	QGD	2.6	-1	8.8	0	1.1	-2	0.322	-1	2.645	1	7.258	1	2109	36	2.0

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	FUAIR PPM
1304.1	10000	38.9599	95.4955	-497	PS	2.8	-1	9.7	0	1.2	0	0.291	-1	2.303	-1	7.915	0	2099	67	1.9
1304.0	10000	38.9605	95.4955	-491	PS	3.0	0	9.9	0	1.2	0	0.302	0	2.530	0	8.379	0	2111	47	1.9
1303.9	10000	38.9611	95.4954	-485	PS	2.9	-1	9.7	0	1.1	0	0.295	-1	2.627	0	8.808	0	2093	41	1.9
1303.8	10000	38.9617	95.4954	-478	PS	2.7	-1	9.6	0	1.1	0	0.278	-1	2.408	-1	8.552	0	2085	50	1.9
1303.7	10000	38.9623	95.4954	-472	PS	2.6	-1	9.2	0	1.1	0	0.278	-1	2.310	-1	8.312	0	2080	49	1.9
1303.6	10000	38.9630	95.4954	-464	PS	2.7	-1	9.1	-1	1.1	0	0.300	0	2.437	-1	8.110	0	2060	57	1.9
1303.5	10000	38.9636	95.4954	-457	PS	2.7	-1	9.2	0	1.1	-1	0.291	-1	2.514	0	8.633	0	2047	39	1.9
1303.4	10000	38.9642	95.4954	-449	PS	3.1	0	8.9	-1	1.1	-1	0.346	0	2.857	0	8.265	0	2044	45	1.9
1303.3	10000	38.9648	95.4954	-440	PS	3.0	0	8.9	-1	1.1	0	0.334	0	2.695	0	8.067	0	2024	50	1.9
1303.2	10000	38.9655	95.4954	-431	PS	2.8	-1	8.9	-1	1.1	0	0.311	0	2.483	0	7.984	0	2009	50	1.9
1303.1	10000	38.9661	95.4954	-422	PS	3.0	0	8.7	-1	1.2	0	0.345	0	2.578	0	7.474	-1	2005	37	1.9
1303.0	10000	38.9667	95.4954	-412	PS	2.9	0	8.5	-1	1.1	0	0.345	0	2.633	0	7.636	-1	1990	44	1.8
1302.9	10000	38.9673	95.4954	-402	PS	2.8	-1	8.5	-1	1.1	0	0.335	0	2.486	0	7.430	-1	2008	49	1.8
1302.8	10000	38.9679	95.4954	-393	PS	2.9	-1	8.3	-1	1.1	0	0.346	0	2.521	0	7.294	-1	2017	47	1.8
1302.7	10000	38.9686	95.4954	-382	PS	2.7	-1	8.2	-1	1.1	0	0.328	-1	2.376	-1	7.241	-1	2028	29	1.8
1302.6	10000	38.9692	95.4954	-372	PS	2.5	-1	8.4	-1	1.1	0	0.299	-1	2.243	-1	7.494	-1	2032	50	1.8
1302.5	10000	38.9698	95.4954	-361	PS	2.9	-1	8.4	-1	1.1	0	0.342	0	2.597	0	7.593	-1	2054	59	1.8
1302.4	10000	38.9704	95.4954	-350	PS	3.0	0	8.3	-1	1.1	-1	0.360	1	2.823	0	7.848	0	2065	41	1.8
1302.3	10000	38.9710	95.4954	-339	PS	3.0	0	8.6	-1	1.1	0	0.349	0	2.698	0	7.741	0	2073	39	1.8
1302.2	10000	38.9716	95.4954	-328	PS	2.9	-1	8.3	-1	1.1	0	0.346	0	2.618	0	7.557	-1	2059	51	1.8
1302.1	10000	38.9722	95.4954	-316	PS	2.8	-1	8.0	-1	1.1	0	0.354	0	2.497	0	7.064	-1	2037	58	1.8
1302.0	10000	38.9728	95.4954	-305	PS	2.7	-1	7.9	-2	1.1	0	0.343	0	2.416	-1	7.046	-1	1984	41	1.7
1301.9	10000	38.9734	95.4954	-293	PS	3.0	0	7.6	-2	1.1	-1	0.393	1	2.781	0	7.072	-1	1921	50	1.7
1301.8	10000	38.9739	95.4954	-282	PS	2.9	0	6.9	-2	1.1	-1	0.416	2	2.742	0	6.588	-1	1873	52	1.7
1301.7	10000	38.9745	95.4954	-270	PS	3.0	1	6.9	-2	1.0	-1	0.433	2	2.993	1	6.910	-1	1840	48	1.7
1301.6	10000	38.9751	95.4954	-259	PS	3.5	1	6.7	-3	1.0	-1	0.518	3	3.517	2	6.795	-1	1822	36	1.7
1301.5	10000	38.9757	95.4954	-247	PS	3.6	1	6.5	-3	1.0	-1	0.551	4	3.612	2	6.561	-1	1819	42	1.7
1301.4	10000	38.9763	95.4954	-234	PS	3.6	1	6.7	-3	1.1	-1	0.541	4	3.434	1	6.343	-2	1871	40	1.7
1301.3	10000	38.9769	95.4954	-221	PS	3.6	1	6.7	-3	1.1	-1	0.541	4	3.478	2	6.312	-2	1945	47	1.7
1301.2	10000	38.9775	95.4954	-208	PS	3.6	1	6.7	-3	1.1	-1	0.551	4	3.069	2	6.004	-2	2026	37	1.7
1301.1	10000	38.9781	95.4954	-194	PS	3.6	1	6.7	-3	1.1	-1	0.511	3	2.892	2	5.955	-2	2101	40	1.7
1301.0	10000	38.9787	95.4954	-180	PS	3.6	1	6.7	-3	1.1	-1	0.486	3	2.678	2	5.628	-2	2150	50	1.7
1300.9	10000	38.9793	95.4954	-166	PS	3.6	1	6.7	-3	1.1	-1	0.476	3	2.479	2	5.716	-2	2208	57	1.7
1300.8	10000	38.9798	95.4954	-151	PS	3.6	1	6.7	-3	1.1	-1	0.434	2	2.551	2	5.746	-2	2255	45	1.6
1300.7	10000	38.9804	95.4954	-135	PS	3.6	1	6.7	-3	1.1	-1	0.444	2	2.773	2	6.027	-2	2270	47	1.6
1300.6	10000	38.9810	95.4954	-119	PS	3.6	1	6.7	-3	1.1	-1	0.460	3	2.820	2	6.274	-2	2277	38	1.6
1300.5	10000	38.9816	95.4954	-102	PS	3.6	1	6.7	-3	1.1	-1	0.450	2	2.818	2	6.171	-2	2298	48	1.6
1300.4	10000	38.9822	95.4954	-85	PS	3.6	1	6.7	-3	1.1	-1	0.457	2	2.942	2	6.529	-1	2311	50	1.6
1300.3	10000	38.9828	95.4954	-67	PS	3.6	1	6.7	-3	1.1	-1	0.451	2	3.107	3	6.840	-1	2322	60	1.6
1300.2	10000	38.9834	95.4954	-49	PS	3.6	1	6.7	-3	1.1	-1	0.454	2	2.893	2	6.461	-1	2304	40	1.6
1300.1	10000	38.9840	95.4954	-30	PS	3.6	1	6.7	-3	1.1	-1	0.448	2	2.913	2	6.561	-1	2294	53	1.6
1300.0	10000	38.9846	95.4954	-11	PS	3.6	1	6.7	-3	1.1	-1	0.444	2	2.844	2	6.420	-2	2291	44	1.6
1299.9	10000	38.9852	95.4954	8	PS	3.6	1	6.7	-3	1.1	-1	0.443	2	2.570	2	6.451	-1	2293	42	1.6
1299.8	10000	38.9858	95.4954	27	PS	3.6	1	6.7	-3	1.1	-1	0.398	2	2.588	2	6.711	-1	2280	46	1.6
1299.7	10000	38.9863	95.4954	46	PS	3.6	1	6.7	-3	1.1	-1	0.386	2	2.425	2	6.811	-1	2278	48	1.5
1299.6	10000	38.9869	95.4954	66	PS	3.6	1	6.7	-3	1.1	-1	0.356	2	2.117	2	6.960	-1	2270	59	1.5
1299.5	10000	38.9875	95.4954	85	PS	3.6	1	6.7	-3	1.1	-1	0.304	2	2.221	2	7.214	-1	2266	42	1.5
1299.4	10000	38.9881	95.4954	104	PS	3.6	1	6.7	-3	1.1	-1	0.308	2	2.877	2	7.189	-1	2251	64	1.5
1299.3	10000	38.9887	95.4954	123	PS	3.6	1	6.7	-3	1.1	-1	0.261	2	1.959	1	7.229	-1	2225	44	1.5
1299.2	10000	38.9893	95.4954	142	PS	3.6	1	6.7	-3	1.1	-1	0.271	2	2.156	2	6.766	-1	2189	40	1.5
1299.1	10000	38.9899	95.4954	162	PS	3.6	1	6.7	-3	1.1	-1	0.319	2	2.134	2	6.711	-1	2168	36	1.5
1299.0	10000	38.9905	95.4954	182	PS	3.6	1	6.7	-3	1.1	-1	0.304	2	2.248	2	7.082	-1	2128	44	1.5

LINE 1020 DATA ACQUIRED 80252 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
1298.9	10000	38.9911	95.4954	200	PS	3.1	0	9.1	0	1.3	1	0.339	0	2.415	-1	7.120	-1	2104	64	1.5
1298.8	10000	38.9917	95.4954	217	PS	3.0	0	9.3	0	1.3	1	0.323	0	2.408	-1	7.457	-1	2088	33	1.5
1298.7	10000	38.9922	95.4954	234	PS	3.2	0	8.9	-1	1.2	0	0.356	1	2.637	0	7.415	-1	2084	57	1.5
1298.6	10000	38.9928	95.4954	249	PS	2.9	0	9.6	0	1.2	0	0.304	0	2.416	-1	7.951	0	2084	42	1.5
1298.5	10000	38.9934	95.4954	264	PS	2.9	0	10.0	0	1.2	0	0.291	-1	2.524	0	8.672	0	2104	48	1.5
1298.4	10000	38.9940	95.4954	279	PS	3.1	0	9.5	0	1.2	0	0.331	0	2.683	0	8.096	0	2112	49	1.5
1298.3	10000	38.9946	95.4954	294	PS	2.9	0	9.7	0	1.2	0	0.302	0	2.428	-1	8.050	0	2132	40	1.5
1298.2	10000	38.9952	95.4954	308	PS	3.3	0	9.6	0	1.3	0	0.339	0	2.614	0	7.707	0	2152	54	1.5
1298.1	10000	38.9958	95.4954	322	PS	3.4	0	9.4	0	1.3	0	0.357	1	2.645	0	7.413	-1	2160	46	1.5
1298.0	10000	38.9964	95.4954	335	PS	3.5	1	9.9	0	1.2	0	0.352	0	2.798	0	7.949	0	2171	45	1.5
1297.9	10000	38.9970	95.4954	349	PS	3.7	1	9.4	0	1.3	0	0.397	1	2.942	0	7.414	-1	2170	42	1.5
1297.8	10000	38.9976	95.4954	361	PS	3.6	1	9.2	0	1.3	1	0.391	1	2.774	0	7.097	-1	2156	39	1.5
1297.7	10000	38.9982	95.4954	373	PS	3.7	1	9.6	0	1.2	0	0.382	1	2.951	1	7.719	0	2143	55	1.5
1297.6	10000	38.9987	95.4954	383	PS	4.0	2	9.5	0	1.2	0	0.417	2	3.234	1	7.759	0	2126	44	1.5
1297.5	10000	38.9993	95.4954	394	PS	3.8	1	9.6	0	1.2	0	0.395	1	3.223	1	8.159	0	2108	46	1.5
1297.4	10000	38.9999	95.4954	404	PS	3.8	1	9.5	0	1.1	0	0.400	1	3.363	1	8.412	0	2102	37	1.5

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3259.3	10000	38.0004	95.1597	-797	PKC	3.3	0	8.4	-1	0.7	-2	0.388	0	4.492	2	11.568	3	1981	44	3.2
3259.2	10000	38.0009	95.1598	-795	PKC	3.3	0	8.6	-1	0.8	-2	0.380	0	4.360	2	11.480	2	1993	49	3.2
3259.1	10000	38.0014	95.1598	-792	PKC	3.3	0	8.6	-1	0.7	-2	0.380	0	4.485	2	11.793	3	1985	54	3.2
3259.0	10000	38.0020	95.1598	-788	PKC	3.3	0	8.8	0	0.7	-2	0.373	0	4.484	2	12.013	3	1994	58	3.2
3258.9	10000	38.0025	95.1599	-785	PKC	3.1	0	8.7	0	0.8	-2	0.354	0	4.016	2	11.339	2	1997	46	3.2
3258.8	10000	38.0030	95.1599	-782	PKC	3.3	0	8.8	0	0.8	-2	0.381	0	4.152	2	10.900	2	2033	58	3.2
3258.7	10000	38.0036	95.1599	-779	PKC	3.2	0	9.3	0	0.8	-2	0.345	0	3.806	1	11.046	2	2075	43	3.2
3258.6	10000	38.0041	95.1599	-776	PKC	3.4	0	9.3	0	0.9	-1	0.363	0	3.807	1	10.481	2	2127	48	3.2
3258.5	10000	38.0046	95.1600	-773	PKC	3.6	0	9.2	0	0.9	-1	0.386	0	4.065	2	10.523	2	2153	50	3.1
3258.4	10000	38.0051	95.1600	-770	PKC	3.7	1	9.0	0	0.9	-1	0.413	1	4.054	2	9.807	1	2178	47	3.1
3258.3	10000	38.0057	95.1600	-767	PKC	3.9	1	8.6	-1	1.0	-1	0.451	1	4.073	2	9.030	1	2188	52	3.1
3258.2	10000	38.0062	95.1600	-764	PKC	4.2	2	8.9	0	0.9	-1	0.469	1	4.502	2	9.609	1	2196	56	3.1
3258.1	10000	38.0067	95.1601	-762	PKC	3.8	1	9.2	0	0.9	-1	0.418	1	4.088	2	9.778	1	2205	37	3.1
3258.0	10000	38.0073	95.1601	-759	PKC	4.0	1	9.2	0	1.0	-1	0.432	1	3.957	1	9.162	1	2227	46	3.1
3257.9	10000	38.0078	95.1601	-757	PKC	4.0	1	9.7	0	1.0	-1	0.411	1	4.028	2	9.798	1	2248	50	3.0
3257.8	10000	38.0083	95.1602	-753	PKC	4.0	1	10.1	1	1.0	-1	0.397	0	3.878	1	9.780	1	2279	69	3.0
3257.7	10000	38.0089	95.1602	-750	PKC	3.9	1	10.6	1	1.1	0	0.365	0	3.682	1	10.079	1	2325	69	3.0
3257.6	10000	38.0094	95.1602	-748	PKC	3.9	1	11.1	1	1.1	0	0.350	0	3.613	1	10.329	2	2399	43	3.0
3257.5	10000	38.0099	95.1602	-745	PKC	3.8	1	11.3	2	1.2	0	0.332	0	3.157	0	9.512	1	2455	45	3.0
3257.4	10000	38.0104	95.1603	-742	PKC	3.9	1	11.1	1	1.2	0	0.355	0	3.242	0	9.134	1	2487	42	3.0
3257.3	10000	38.0110	95.1603	-740	PKC	4.4	2	11.2	1	1.2	0	0.391	0	3.656	1	9.361	1	2525	45	3.0
3257.2	10000	38.0115	95.1603	-738	PKC	4.5	2	11.2	1	1.2	0	0.404	0	3.746	1	9.272	1	2547	40	3.0
3257.1	10000	38.0120	95.1604	-735	PKC	4.6	2	11.4	2	1.2	0	0.399	0	3.682	1	9.228	1	2562	45	2.9
3257.0	10000	38.0126	95.1604	-732	PKC	4.7	2	11.7	2	1.2	0	0.398	0	3.874	1	9.744	1	2578	52	2.9
3256.9	10000	38.0131	95.1604	-730	PKC	4.6	2	11.8	2	1.3	0	0.385	0	3.632	1	9.431	1	2583	56	2.9
3256.8	10000	38.0136	95.1604	-727	PKC	4.5	2	12.0	2	1.2	0	0.374	0	3.770	1	10.080	1	2578	58	2.9
3256.7	10000	38.0142	95.1605	-725	PKC	4.6	2	12.4	2	1.2	0	0.368	0	3.741	1	10.156	1	2598	35	2.9
3256.6	10000	38.0147	95.1605	-724	PKC	4.4	2	12.5	2	1.2	0	0.354	0	3.575	1	10.109	1	2608	53	2.9
3256.5	10000	38.0152	95.1605	-722	PKC	4.2	2	12.4	2	1.2	0	0.334	0	3.306	1	9.896	1	2626	42	2.9
3256.4	10000	38.0158	95.1606	-722	PKC	4.4	2	12.2	2	1.2	0	0.365	0	3.554	1	9.725	1	2644	43	2.9
3256.3	10000	38.0163	95.1606	-722	PKC	4.5	2	12.1	2	1.2	0	0.369	0	3.556	1	9.627	1	2675	38	2.9
3256.2	10000	38.0168	95.1606	-723	PKC	4.6	2	12.2	2	1.2	0	0.369	0	3.693	1	10.012	1	2684	52	2.8
3256.1	10000	38.0173	95.1606	-723	PKC	4.7	2	12.6	2	1.2	0	0.366	0	3.655	1	9.976	1	2723	53	2.8
3256.0	10000	38.0179	95.1607	-725	PKC	4.7	2	12.7	2	1.2	0	0.373	0	3.729	1	9.985	1	2733	37	2.8
3255.9	10000	38.0184	95.1607	-725	PKC	4.5	2	12.5	2	1.2	0	0.361	0	3.591	1	9.945	1	2735	45	2.8
3255.8	10000	38.0189	95.1607	-726	PKC	4.8	2	12.9	2	1.2	0	0.371	0	3.653	1	9.856	1	2749	37	2.8
3255.7	10000	38.0195	95.1607	-728	PKC	4.5	2	12.8	2	1.2	0	0.353	0	3.533	1	9.444	1	2742	42	2.8
3255.6	10000	38.0200	95.1608	-729	PKC	4.3	2	12.5	2	1.2	0	0.353	0	3.506	1	9.521	1	2723	44	2.8
3255.5	10000	38.0205	95.1608	-730	PKC	4.3	2	12.7	2	1.2	0	0.370	0	3.606	1	9.128	1	2691	47	2.8
3255.4	10000	38.0211	95.1608	-731	PKC	4.3	2	11.4	1	1.1	0	0.375	0	3.992	1	9.986	1	2639	43	2.8
3255.3	10000	38.0216	95.1608	-73:	PKC	4.3	2	11.4	1	1.1	0	0.380	0	3.990	1	9.128	1	2581	58	2.8
3255.2	10000	38.0221	95.1609	-731	PKC	4.5	2	11.4	1	1.1	0	0.413	0	3.972	1	9.172	1	2529	41	2.8
3255.1	10000	38.0226	95.1609	-731	PKC	4.3	2	11.2	1	1.1	0	0.424	0	3.504	1	9.255	1	2441	57	2.8
3255.0	10000	38.0232	95.1609	-730	PKC	4.1	2	10.9	1	1.1	0	0.424	0	3.675	1	9.667	1	2375	46	2.8
3254.9	10000	38.0238	95.1609	-730	PKC	4.4	2	10.8	1	1.1	0	0.459	0	3.299	1	9.364	1	2311	52	2.8
3254.8	10000	38.0244	95.1610	-730	PKC	4.4	2	10.8	1	1.1	0	0.475	0	3.179	1	9.914	1	2253	54	2.8
3254.7	10000	38.0250	95.1610	-729	PKC	4.6	2	10.8	1	1.1	0	0.522	0	3.889	1	10.274	1	2227	37	2.7
3254.6	10000	38.0255	95.1610	-728	PKC	4.8	2	10.8	1	1.1	0	0.544	0	3.962	1	10.959	1	2253	49	2.7
3254.5	10000	38.0261	95.1610	-728	PKC	4.7	2	10.8	1	1.1	0	0.527	0	3.888	1	10.590	1	2253	40	2.7
3254.4	10000	38.0267	95.1611	-727	PKC	4.9	2	10.8	1	1.1	0	0.565	0	3.766	1	11.069	1	2253	44	2.7
3254.3	10000	38.0272	95.1611	-726	PKC	4.8	2	10.8	1	1.1	0	0.545	0	3.927	1	10.583	1	2274	46	2.7
3254.2	10000	38.0278	95.1611	-726	PKC	4.6	2	10.8	1	1.1	0	0.508	0	3.701	1	9.701	1	2305	47	2.7

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3254.1	10000	38.0284	95.1611	-726	PKC	4.1	1	9.5	0	1.1	0	0.430	1	3.852	1	8.963	0	2339	39	2.7
3254.0	10000	38.0290	95.1611	-726	PKC	4.0	1	10.1	1	1.1	0	0.398	1	3.592	1	9.031	1	2383	48	2.7
3253.9	10000	38.0295	95.1612	-727	PKC	3.9	1	10.4	1	1.1	0	0.374	1	3.385	1	9.045	1	2416	43	2.7
3253.8	10000	38.0301	95.1612	-728	PKC	4.0	1	10.3	1	1.1	0	0.394	1	3.517	1	8.931	0	2432	48	2.7
3253.7	10000	38.0307	95.1612	-729	PKC	3.9	1	10.8	1	1.2	0	0.366	1	3.418	1	9.336	1	2424	46	2.7
3253.6	10000	38.0313	95.1612	-731	PKC	3.9	1	10.7	1	1.2	0	0.369	1	3.353	1	9.098	1	2415	45	2.7
3253.5	10000	38.0319	95.1613	-732	PKC	4.1	1	10.2	1	1.1	0	0.400	1	3.598	1	8.990	1	2369	38	2.7
3253.4	10000	38.0324	95.1613	-734	PKC	4.3	2	9.5	0	1.0	0	0.452	2	4.093	2	9.053	1	2333	52	2.7
3253.3	10000	38.0330	95.1613	-736	PKC	4.2	2	8.8	0	1.0	-1	0.479	2	4.143	2	8.652	0	2281	52	2.7
3253.2	10000	38.0336	95.1613	-738	PKC	4.3	2	9.0	0	0.9	-1	0.475	1	4.575	2	9.641	1	2232	40	2.7
3253.1	10000	38.0341	95.1613	-740	PKC	4.0	1	8.6	-1	0.9	-1	0.467	1	4.461	2	9.545	1	2187	47	2.7
3253.0	10000	38.0347	95.1614	-742	PKC	3.9	1	8.3	-1	0.9	-1	0.470	1	4.466	2	9.505	1	2146	41	2.7
3252.9	10000	38.0353	95.1614	-744	PKC	4.1	1	8.5	-1	0.8	-2	0.481	2	5.003	3	10.405	2	2125	36	2.7
3252.8	10000	38.0359	95.1614	-747	PKC	4.0	1	8.8	0	0.8	-2	0.458	1	5.227	3	11.403	2	2136	43	2.7
3252.7	10000	38.0364	95.1614	-748	PKC	4.2	2	8.7	0	0.8	-2	0.476	1	5.210	3	10.947	2	2152	34	2.7
3252.6	10000	38.0370	95.1615	-750	PKC	4.4	2	8.7	-1	0.8	-2	0.501	2	5.526	4	11.018	2	2154	46	2.7
3252.5	10000	38.0376	95.1615	-753	PKC	4.2	2	8.2	-1	0.9	-2	0.509	2	4.858	3	9.550	1	2155	42	2.7
3252.4	10000	38.0382	95.1615	-756	PKC	4.3	2	8.1	-1	0.9	-1	0.532	2	4.887	3	9.194	1	2173	36	2.7
3252.3	10000	38.0387	95.1615	-758	PKC	4.2	2	8.2	-1	0.9	-1	0.511	2	4.584	2	8.978	0	2202	45	2.7
3252.2	10000	38.0393	95.1615	-759	PKC	4.5	2	8.1	-1	0.9	-1	0.548	2	4.696	2	8.568	0	2230	59	2.7
3252.1	10000	38.0399	95.1616	-762	PKC	4.5	2	8.1	-1	1.0	-1	0.551	2	4.409	2	7.999	0	2273	44	2.7
3252.0	10000	38.0405	95.1616	-763	PKC	4.4	2	8.7	0	1.0	-1	0.507	2	4.333	2	8.541	0	2311	45	2.7
3251.9	10000	38.0410	95.1616	-764	PKC	4.3	2	9.0	0	1.1	0	0.477	1	3.927	1	8.230	0	2356	49	2.7
3251.8	10000	38.0416	95.1616	-766	PKC	4.4	2	9.3	0	1.1	0	0.473	1	3.844	1	8.122	0	2412	39	2.7
3251.7	10000	38.0422	95.1617	-767	PKC	4.2	2	10.4	1	1.2	0	0.401	1	3.542	1	8.841	0	2449	45	2.7
3251.6	10000	38.0428	95.1617	-768	PKC	4.3	2	10.6	1	1.2	0	0.411	1	3.595	1	8.757	0	2504	46	2.7
3251.5	10000	38.0433	95.1617	-768	PKC	4.2	2	10.9	1	1.3	0	0.388	1	3.367	1	8.684	0	2549	50	2.7
3251.4	10000	38.0439	95.1617	-768	PKC	4.0	1	11.3	1	1.3	0	0.358	1	3.174	1	8.873	0	2561	54	2.7
3251.3	10000	38.0445	95.1617	-768	PKC	3.8	1	10.9	1	1.3	0	0.375	1	3.112	1	8.289	0	2566	55	2.7
3251.2	10000	38.0451	95.1618	-767	PKC	3.8	1	11.1	1	1.3	0	0.342	1	2.976	1	8.699	0	2558	46	2.7
3251.1	10000	38.0456	95.1618	-766	PKC	3.8	1	11.2	1	1.3	0	0.339	1	2.975	1	8.775	0	2562	44	2.7
3251.0	10000	38.0462	95.1618	-765	PKC	3.8	1	10.8	1	1.3	0	0.376	1	3.090	1	8.217	0	2560	52	2.7
3250.9	10000	38.0468	95.1618	-763	PKC	3.8	1	10.8	1	1.3	0	0.357	1	2.891	1	8.105	0	2540	50	2.7
3250.8	10000	38.0474	95.1618	-761	PKC	3.8	1	10.8	1	1.3	0	0.345	1	2.798	1	8.100	0	2532	45	2.7
3250.7	10000	38.0479	95.1619	-758	PKC	4.0	1	10.8	1	1.3	0	0.367	1	2.962	1	8.071	0	2520	41	2.7
3250.6	10000	38.0485	95.1619	-756	PKC	4.0	1	11.1	1	1.3	0	0.364	1	3.048	1	8.384	0	2511	43	2.7
3250.5	10000	38.0491	95.1619	-755	PKC	4.1	1	11.1	1	1.3	0	0.368	1	3.070	1	8.351	0	2498	58	2.7
3250.4	10000	38.0497	95.1619	-755	PKC	4.0	1	11.6	1	1.3	0	0.342	1	3.093	1	9.056	0	2473	46	2.7
3250.3	10000	38.0502	95.1620	-758	PKC	3.8	1	11.7	1	1.3	0	0.327	1	3.107	1	9.515	0	2438	39	2.7
3250.2	10000	38.0508	95.1620	-764	PKC	3.7	1	11.6	1	1.3	0	0.318	1	3.199	1	10.060	0	2388	35	2.7
3250.1	10000	38.0514	95.1620	-769	PKC	3.5	1	11.3	1	1.2	0	0.296	1	3.155	1	10.640	0	2310	55	2.7
3250.0	10000	38.0520	95.1620	-771	PKC	3.2	1	11.4	1	1.2	0	0.280	1	3.173	1	11.328	0	2250	39	2.7
3249.9	10000	38.0525	95.1620	-771	PKC	3.2	1	11.5	1	1.1	0	0.247	1	2.961	1	12.011	0	2224	52	2.7
3249.8	10000	38.0531	95.1621	-767	PKC	3.2	1	11.7	1	1.1	0	0.291	1	3.420	1	11.743	0	2230	59	2.7
3249.7	10000	38.0537	95.1621	-762	PKC	3.2	1	11.4	1	1.1	0	0.308	1	3.244	1	11.542	0	2266	53	2.7
3249.6	10000	38.0543	95.1621	-757	PKC	3.3	1	11.2	1	1.1	0	0.312	1	3.090	1	9.888	0	2327	52	2.7
3249.5	10000	38.0548	95.1621	-752	PKC	3.6	1	12.0	1	1.1	0	0.315	1	3.114	1	9.886	0	2414	44	2.7
3249.4	10000	38.0554	95.1622	-748	PKC	3.7	1	12.2	1	1.1	0	0.343	1	3.350	1	9.771	0	2520	46	2.7
3249.3	10000	38.0560	95.1622	-744	PKC	3.7	1	12.8	1	1.1	0	0.352	1	3.296	1	9.361	0	2632	47	2.7
3249.2	10000	38.0566	95.1622	-741	PKC	3.7	1	12.8	1	1.1	0	0.288	1	3.312	1	9.542	0	2702	59	2.7
3249.1	10000	38.0571	95.1622	-737	PKC	3.7	1	13.0	1	1.1	0	0.364	1	3.442	1	9.917	0	2767	43	2.7
3249.0	10000	38.0577	95.1622	-733	PKC	5.0	2	13.0	1	1.5	0	0.386	1	3.386	1	8.618	0	2785	46	2.7

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3248.9	10000	38.0583	95.1623	-728	PKC	5.0	3	12.9	3	1.5	2	0.386	0	3.381	1	8.758	0	2779	47	2.8
3248.3	10000	38.0589	95.1623	-724	PKC	5.0	3	12.0	2	1.5	2	0.419	1	3.447	1	8.232	0	2773	48	2.8
3248.7	10000	38.0594	95.1623	-718	PKC	4.8	3	12.0	2	1.5	2	0.399	0	3.299	0	8.276	0	2743	48	2.8
3248.6	10000	38.0600	95.1623	-713	PKC	4.9	3	11.7	2	1.4	1	0.413	1	3.472	1	8.407	0	2700	51	2.8
3248.5	10000	38.0606	95.1624	-708	PKC	4.6	2	12.1	2	1.3	1	0.377	0	3.509	1	9.298	1	2644	36	2.9
3248.4	10000	38.0611	95.1624	-703	PKC	4.4	2	12.2	2	1.2	0	0.362	0	3.615	1	9.995	1	2555	38	2.9
3248.3	10000	38.0617	95.1624	-700	PKC	4.3	2	12.2	2	1.1	0	0.354	0	3.859	1	10.886	2	2489	40	2.9
3248.2	10000	38.0623	95.1624	-696	PKC	4.4	2	12.2	2	1.0	-1	0.358	0	4.187	2	11.702	3	2429	47	2.9
3248.1	10000	38.0629	95.1625	-693	PKC	4.1	1	12.6	3	0.9	-1	0.327	0	4.349	3	14.307	4	2355	43	2.9
3248.0	10000	38.0634	95.1625	-691	PKC	4.2	2	12.7	3	0.9	-2	0.335	0	4.943	3	14.757	5	2298	40	2.9
3247.9	10000	38.0640	95.1625	-688	PKC	3.9	1	12.3	2	0.8	-2	0.318	-1	4.826	3	15.199	5	2234	43	2.9
3247.8	10000	38.0646	95.1625	-684	PKC	3.7	1	11.7	2	0.8	-2	0.318	-1	4.662	2	14.665	5	2198	48	2.9
3247.7	10000	38.0652	95.1625	-681	PKC	3.5	0	11.6	2	0.8	-2	0.303	-1	4.425	2	14.607	5	2190	55	2.9
3247.6	10000	38.0658	95.1626	-678	PKC	3.2	0	11.4	2	0.8	-2	0.278	-1	3.874	1	13.929	4	2166	37	2.9
3247.5	10000	38.0663	95.1626	-674	PKC	2.9	-1	11.0	1	0.8	-2	0.263	-1	3.599	1	13.704	4	2163	38	2.9
3247.4	10000	38.0669	95.1626	-670	PKC	3.1	0	10.6	1	0.9	-2	0.293	-1	3.566	1	12.178	3	2189	47	2.9
3247.3	10000	38.0675	95.1626	-666	PKC	2.8	-1	10.6	1	1.0	-1	0.261	-1	2.898	0	11.111	2	2207	39	2.9
3247.2	10000	38.0680	95.1627	-662	PKC	2.7	-1	10.9	1	1.0	-1	0.247	-1	2.625	-1	10.650	2	2254	44	2.9
3247.1	10000	38.0686	95.1627	-657	PKC	3.0	-1	11.1	1	1.1	0	0.270	-1	2.783	0	10.305	2	2308	48	3.0
3247.0	10000	38.0692	95.1627	-653	PKC	2.9	-1	11.4	2	1.1	0	0.254	-1	2.618	-1	10.301	2	2348	62	3.0
3246.9	10000	38.0698	95.1627	-648	PKC	3.0	-1	11.8	2	1.2	0	0.252	-1	2.577	-1	10.220	1	2410	38	3.0
3246.8	10000	38.0703	95.1627	-642	PKC	3.2	0	12.7	3	1.2	0	0.253	-1	2.650	0	10.458	2	2481	42	3.0
3246.7	10000	38.0709	95.1628	-636	PKC	3.1	0	12.9	3	1.2	1	0.240	-2	2.524	-1	10.536	2	2546	41	3.0
3246.6	10000	38.0715	95.1628	-630	PKC	3.4	0	13.0	3	1.3	1	0.265	-1	2.698	0	10.199	1	2626	50	3.0
3246.5	10000	38.0721	95.1628	-624	PKC	3.8	1	13.5	3	1.3	1	0.283	-1	2.975	0	10.514	2	2690	44	3.0
3246.4	10000	38.0727	95.1628	-617	PKC	3.7	1	14.0	4	1.3	1	0.263	-1	2.809	0	10.692	2	2738	40	3.0
3246.3	10000	38.0732	95.1629	-610	PKC	3.9	1	13.6	3	1.3	1	0.288	-1	2.949	0	10.232	1	2779	35	3.0
3246.2	10000	38.0738	95.1629	-603	PKC	4.5	1	13.8	3	1.4	1	0.324	0	3.251	0	10.037	1	2823	45	3.0
3246.1	10000	38.0744	95.1629	-596	PKC	4.5	1	13.7	3	1.4	1	0.328	0	3.192	0	9.740	1	2831	44	3.0
3246.0	10000	38.0749	95.1629	-588	PKC	4.3	1	13.4	3	1.3	1	0.337	0	3.131	0	9.299	1	2806	44	3.0
3245.9	10000	38.0755	95.1629	-580	PKC	4.2	1	13.2	3	1.3	1	0.335	0	3.183	0	9.504	1	2759	43	3.0
3245.8	10000	38.0761	95.1630	-573	PKC	4.1	1	13.0	3	1.3	1	0.324	0	3.165	0	9.182	1	2698	51	3.0
3245.7	10000	38.0767	95.1630	-565	PKC	4.3	1	13.3	3	1.3	1	0.328	0	3.406	0	9.595	1	2636	50	3.0
3245.6	10000	38.0772	95.1630	-558	PKC	4.5	1	13.3	3	1.3	1	0.337	0	3.345	0	9.563	1	2567	52	3.0
3245.5	10000	38.0778	95.1630	-550	PKC	4.4	1	13.2	3	1.3	1	0.335	0	3.139	0	9.301	1	2463	55	3.0
3245.4	10000	38.0784	95.1631	-542	PKC	4.3	1	13.0	3	1.3	1	0.331	0	3.249	0	9.104	1	2368	52	3.0
3245.3	10000	38.0790	95.1631	-536	PKC	4.1	1	12.8	3	1.3	1	0.320	0	3.565	0	9.833	1	2306	55	3.0
3245.2	10000	38.0795	95.1631	-532	PKC	3.6	1	12.4	3	1.2	1	0.290	0	3.735	0	10.018	1	2277	40	3.0
3245.1	10000	38.0801	95.1631	-528	PKC	3.6	1	12.4	3	1.2	1	0.290	0	3.433	0	9.684	1	2269	50	3.0
3245.0	10000	38.0807	95.1631	-524	PKC	3.7	1	12.4	3	1.2	1	0.298	0	3.146	0	8.573	0	2243	43	3.0
3244.9	10000	38.0813	95.1632	-519	PKC	3.4	1	12.3	3	1.2	1	0.276	0	3.056	0	8.985	0	2234	39	3.0
3244.8	10000	38.0818	95.1632	-515	PKC	3.5	1	12.3	3	1.2	1	0.284	0	3.091	0	8.727	0	2243	51	3.0
3244.7	10000	38.0824	95.1632	-511	PKC	3.5	1	12.3	3	1.2	1	0.284	0	3.861	0	8.548	0	2255	41	3.0
3244.6	10000	38.0830	95.1633	-507	PKC	3.5	1	12.3	3	1.2	1	0.284	0	3.854	0	8.283	0	2262	41	3.0
3244.5	10000	38.0836	95.1633	-503	PKC	3.5	1	12.3	3	1.2	1	0.284	0	3.567	0	8.906	0	2236	38	3.0
3244.4	10000	38.0841	95.1633	-502	PKC	3.5	1	12.3	3	1.2	1	0.284	0	3.039	0	8.994	0	2220	51	3.0
3244.3	10000	38.0847	95.1633	-502	PKC	3.5	1	12.3	3	1.2	1	0.284	0	3.244	0	8.118	0	2220	47	3.0
3244.2	10000	38.0853	95.1633	-502	PKC	3.5	1	12.3	3	1.2	1	0.284	0	3.650	0	8.634	0	2209	51	3.0
3244.1	10000	38.0859	95.1633	-501	PKC	3.5	1	12.3	3	1.2	1	0.284	0	3.590	0	8.212	0	2192	47	3.0
3244.0	10000	38.0864	95.1634	-501	PKC	3.5	1	12.3	3	1.2	1	0.284	0	3.511	0	8.240	0	2172	57	3.0
3243.9	10000	38.0870	95.1634	-502	PKC	3.5	1	12.3	3	1.2	1	0.284	0	3.840	0	8.455	0	2172	40	3.0
3243.8	10000	38.0876	95.1634	-503	PKC	3.5	1	12.3	3	1.2	1	0.284	0	3.840	0	8.195	0	2172	36	3.0

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3243.7	10000	38.0882	95.1634	-504	PKC	3.4	0	8.7	0	0.9	-1	0.393	0	3.816	1	9.700	1	2152	48	3.1
3243.6	10000	38.0887	95.1635	-505	PKC	3.3	0	9.1	0	0.8	-2	0.361	0	4.143	2	11.475	2	2130	48	3.1
3243.5	10000	38.0893	95.1635	-507	PKC	3.3	0	9.9	0	0.8	-2	0.331	0	4.101	2	12.387	3	2145	52	3.1
3243.4	10000	38.0899	95.1635	-508	PKC	3.2	0	9.7	0	0.8	-2	0.331	0	4.136	2	12.497	3	2139	40	3.1
3243.3	10000	38.0905	95.1635	-510	PKC	3.4	0	10.4	1	0.7	-2	0.324	0	4.506	2	13.926	4	2183	56	3.1
3243.2	10000	38.0910	95.1635	-512	PKC	3.5	0	10.3	1	0.7	-2	0.336	0	4.702	2	13.994	4	2216	54	3.1
3243.1	10000	38.0916	95.1636	-513	PKC	3.6	1	10.7	1	0.8	-2	0.340	0	4.356	2	12.815	4	2249	50	3.1
3243.0	10000	38.0922	95.1636	-515	PKC	3.4	0	11.1	1	0.9	-1	0.309	-1	3.732	1	12.065	3	2298	47	3.1
3242.9	10000	38.0928	95.1636	-517	PKC	3.3	0	10.6	1	1.0	-1	0.311	-1	3.251	0	10.467	2	2353	48	3.1
3242.8	10000	38.0933	95.1636	-518	PKC	3.3	0	10.2	1	1.1	0	0.320	0	3.025	0	9.447	1	2381	48	3.1
3242.7	10000	38.0939	95.1637	-520	PKC	3.7	1	10.4	1	1.2	0	0.354	0	3.128	0	8.829	0	2445	44	3.1
3242.6	10000	38.0945	95.1637	-521	PKC	3.9	1	10.1	1	1.2	1	0.383	0	3.130	0	8.179	0	2454	47	3.1
3242.5	10000	38.0951	95.1637	-522	PKC	3.9	1	10.6	1	1.3	1	0.369	0	3.070	0	8.313	0	2464	39	3.1
3242.4	10000	38.0957	95.1637	-523	PKC	3.9	1	10.5	1	1.3	1	0.368	0	3.042	0	8.257	0	2470	49	3.1
3242.3	10000	38.0964	95.1637	-522	PKC	4.0	1	10.2	1	1.3	1	0.387	0	3.120	0	8.058	0	2463	52	3.1
3242.2	10000	38.0970	95.1637	-523	PKC	3.9	1	10.3	1	1.3	1	0.381	0	3.119	0	8.191	0	2425	60	3.1
3242.1	10000	38.0976	95.1636	-523	PKC	4.1	1	10.1	1	1.2	1	0.407	1	3.325	1	8.176	0	2399	55	3.1
3242.0	10000	38.0983	95.1636	-522	PKC	3.7	1	10.0	1	1.2	1	0.371	0	3.132	0	8.433	0	2324	52	3.1
3241.9	10000	38.0989	95.1636	-522	PKC	3.5	0	10.3	1	1.2	0	0.342	0	3.004	0	8.773	0	2275	42	3.1
3241.8	10000	38.0995	95.1636	-522	PKC	2.9	-1	9.8	0	1.2	0	0.297	-1	2.501	-1	8.427	0	2218	43	3.1
3241.7	10000	38.1002	95.1636	-523	PLP	2.7	-1	9.4	0	1.2	0	0.288	-1	2.347	-1	8.140	0	2167	45	3.1
3241.6	10000	38.1008	95.1636	-523	PLP	2.8	-1	9.2	0	1.1	-1	0.306	-1	2.662	0	8.695	0	2101	46	3.1
3241.5	10000	38.1015	95.1635	-523	PLP	2.9	-1	8.8	-1	1.0	-1	0.327	0	2.777	0	8.499	0	2076	46	3.1
3241.4	10000	38.1021	95.1635	-524	PLP	2.8	-1	8.2	-1	1.0	-1	0.342	0	2.916	0	8.516	0	2031	57	3.1
3241.3	10000	38.1028	95.1635	-525	PLP	3.0	-1	8.2	-1	0.9	-1	0.364	1	3.269	1	8.990	0	2027	46	3.1
3241.2	10000	38.1034	95.1635	-526	PLP	3.0	0	7.8	-2	0.9	-2	0.389	1	3.493	1	8.986	0	2019	42	3.1
3241.1	10000	38.1040	95.1635	-526	PLP	3.7	1	7.5	-2	0.8	-2	0.501	3	4.690	1	9.353	1	2031	54	3.1
3241.0	10000	38.1047	95.1635	-527	PLP	4.2	2	7.4	-2	0.8	-2	0.572	4	5.481	1	9.579	1	2057	58	3.1
3240.9	10000	38.1053	95.1635	-528	PLP	4.1	2	7.8	-2	0.8	-2	0.534	4	4.932	1	9.239	1	2097	52	3.1
3240.8	10000	38.1060	95.1635	-528	PLP	4.2	2	8.2	-1	0.9	-2	0.513	4	4.918	1	9.581	1	2143	44	3.1
3240.7	10000	38.1066	95.1634	-530	PLP	4.1	2	8.8	-1	0.9	-2	0.459	3	4.312	1	9.403	1	2213	61	3.1
3240.6	10000	38.1072	95.1634	-530	PLP	4.0	2	9.4	-1	0.9	-1	0.428	3	3.943	1	9.223	1	2270	45	3.1
3240.5	10000	38.1079	95.1634	-530	PLP	4.2	2	9.6	-1	1.0	-1	0.433	4	4.035	2	9.312	2	2328	53	3.1
3240.4	10000	38.1085	95.1634	-530	PLP	4.1	2	9.5	-1	1.0	-1	0.385	3	3.749	2	9.741	2	2378	41	3.1
3240.3	10000	38.1092	95.1634	-530	PLP	3.8	2	9.4	-1	1.0	-1	0.340	3	3.442	2	10.126	2	2418	42	3.1
3240.2	10000	38.1098	95.1634	-530	PLP	3.8	2	9.4	-1	1.0	-1	0.334	3	3.540	2	10.606	2	2457	35	3.1
3240.1	10000	38.1105	95.1633	-529	PLP	4.2	2	9.6	-1	1.1	-1	0.351	3	3.839	2	10.935	2	2469	40	3.1
3240.0	10000	38.1111	95.1633	-528	PLP	4.1	2	9.8	-1	1.1	-1	0.349	3	3.922	2	11.234	2	2459	33	3.1
3239.9	10000	38.1117	95.1633	-526	PLP	4.1	2	9.8	-1	1.1	-1	0.351	3	3.977	2	11.341	2	2446	49	3.1
3239.8	10000	38.1124	95.1633	-524	PLP	3.9	2	9.6	-1	1.1	-1	0.334	3	3.776	2	11.298	2	2444	37	3.1
3239.7	10000	38.1130	95.1633	-522	PLP	3.8	2	9.6	-1	1.1	-1	0.330	3	3.686	2	11.168	2	2448	47	3.1
3239.6	10000	38.1137	95.1633	-519	PLP	4.0	2	9.6	-1	1.1	-1	0.355	3	4.066	2	11.452	2	2441	55	3.1
3239.5	10000	38.1143	95.1633	-517	PLP	3.9	2	9.5	-1	1.1	-1	0.342	3	3.849	2	11.270	2	2441	65	3.1
3239.4	10000	38.1149	95.1632	-514	PLP	4.4	2	9.5	-1	1.2	-1	0.298	3	3.200	2	10.755	2	2433	34	3.1
3239.3	10000	38.1156	95.1632	-511	PLP	4.5	2	9.5	-1	1.2	-1	0.302	3	3.243	2	10.744	2	2450	37	3.1
3239.2	10000	38.1162	95.1632	-508	PLP	4.6	2	9.5	-1	1.2	-1	0.321	3	3.244	2	10.104	2	2466	49	3.1
3239.1	10000	38.1169	95.1632	-503	PLP	4.5	2	9.5	-1	1.2	-1	0.303	3	3.926	2	9.647	2	2460	41	3.1
3239.0	10000	38.1175	95.1632	-499	PLP	4.2	2	9.5	-1	1.2	-1	0.288	3	3.548	2	9.086	2	2457	58	3.1
3238.9	10000	38.1182	95.1631	-496	PLP	4.0	2	9.5	-1	1.2	-1	0.256	3	3.315	2	9.033	2	2444	53	3.1
3238.8	10000	38.1188	95.1631	-492	PLP	3.7	2	9.5	-1	1.2	-1	0.296	3	3.566	2	9.656	2	2451	37	3.1
3238.7	10000	38.1194	95.1631	-489	PLP	3.5	2	9.5	-1	1.2	-1	0.330	3	3.992	2	9.061	2	2456	62	3.1
3238.6	10000	38.1201	95.1631	-485	PLP	3.5	2	9.5	-1	1.2	-1	0.315	3	3.925	2	9.295	2	2446	56	3.1

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3238.5	10000	38.1207	95.1631	-482	PLP	3.5	1	11.1	1	1.2	0	0.318	0	3.057	0	9.617	1	2435	54	3.1
3238.4	10000	38.1214	95.1631	-478	PLP	3.9	1	10.9	1	1.1	0	0.356	0	3.468	1	9.734	1	2439	55	3.1
3238.3	10000	38.1220	95.1631	-475	PLP	4.2	2	10.9	1	1.1	0	0.382	0	3.847	2	10.080	1	2424	43	3.1
3238.2	10000	38.1226	95.1631	-472	PLP	4.1	2	10.4	1	1.1	0	0.389	1	3.789	2	9.753	1	2419	34	3.1
3238.1	10000	38.1233	95.1631	-469	PLP	4.0	2	10.3	1	1.0	-1	0.383	1	3.799	2	9.911	1	2383	34	3.1
3238.0	10000	38.1239	95.1630	-467	PLP	3.7	1	10.0	1	1.0	-1	0.372	1	3.545	1	9.537	1	2365	46	3.1
3237.9	10000	38.1246	95.1630	-464	PLP	3.7	1	10.1	0	1.1	0	0.369	1	3.388	1	9.185	1	2353	40	3.1
3237.8	10000	38.1252	95.1630	-462	PLP	3.6	1	10.4	1	1.1	0	0.347	1	3.242	1	9.332	1	2352	47	3.1
3237.7	10000	38.1258	95.1630	-460	PLP	3.3	1	10.2	1	1.1	0	0.324	0	2.880	1	8.877	0	2367	45	3.1
3237.6	10000	38.1265	95.1630	-457	PLP	3.3	1	10.4	1	1.2	0	0.314	0	2.778	0	8.856	0	2392	44	3.1
3237.5	10000	38.1271	95.1630	-455	PLP	3.5	1	10.8	1	1.2	0	0.322	0	2.830	0	8.777	0	2430	56	3.1
3237.4	10000	38.1278	95.1629	-452	PLP	3.4	1	11.1	2	1.2	0	0.303	-1	2.726	0	8.995	0	2469	45	3.1
3237.3	10000	38.1284	95.1629	-449	PLP	3.8	1	11.5	2	1.3	1	0.327	0	2.923	0	8.943	0	2491	42	3.1
3237.2	10000	38.1291	95.1629	-447	PLP	3.6	1	11.8	2	1.3	1	0.307	-1	2.851	1	9.293	1	2498	35	3.1
3237.1	10000	38.1297	95.1629	-444	PLP	3.4	1	11.7	2	1.3	1	0.293	-1	2.712	1	9.258	1	2493	53	3.1
3237.0	10000	38.1303	95.1629	-441	PLP	3.5	1	11.8	2	1.2	1	0.295	-1	2.802	1	9.494	1	2465	45	3.1
3236.9	10000	38.1310	95.1629	-438	PLP	3.5	1	11.7	2	1.2	0	0.300	-1	2.985	1	9.951	1	2432	41	3.1
3236.8	10000	38.1316	95.1629	-436	PLP	3.4	1	11.1	1	1.1	0	0.302	-1	3.019	1	9.989	1	2377	43	3.1
3236.7	10000	38.1323	95.1628	-432	PLP	3.3	1	10.9	1	1.1	0	0.307	-1	3.109	1	10.121	1	2312	46	3.1
3236.6	10000	38.1329	95.1628	-429	PLP	3.1	0	10.4	1	1.0	-1	0.301	-1	3.220	1	10.680	2	2253	40	3.1
3236.5	10000	38.1335	95.1628	-425	PLP	2.9	0	9.9	1	0.9	-2	0.325	0	3.475	2	10.705	2	2206	73	3.1
3236.4	10000	38.1342	95.1628	-422	PLP	3.3	0	9.5	0	0.9	-2	0.352	0	3.868	2	10.982	2	2162	53	3.1
3236.3	10000	38.1348	95.1628	-418	PLP	3.4	0	9.6	0	0.8	-2	0.347	0	4.170	2	12.025	3	2130	41	3.1
3236.2	10000	38.1355	95.1628	-414	PLP	3.4	0	9.7	0	0.8	-2	0.348	0	4.190	2	12.050	3	2107	42	3.1
3236.1	10000	38.1361	95.1628	-410	PLP	3.4	0	10.5	1	0.8	-2	0.322	0	4.068	2	12.648	3	2114	52	3.1
3236.0	10000	38.1367	95.1627	-405	PLP	3.2	0	10.5	1	0.8	-2	0.306	-1	3.816	2	12.484	3	2145	47	3.1
3235.9	10000	38.1374	95.1627	-401	PLP	3.5	1	10.8	1	0.9	-2	0.327	0	3.980	2	12.162	3	2190	43	3.1
3235.8	10000	38.1380	95.1627	-396	PLP	3.6	1	11.1	1	0.9	-1	0.323	0	3.950	2	12.243	3	2249	52	3.1
3235.7	10000	38.1387	95.1627	-392	PLP	3.8	1	11.8	2	0.9	-1	0.309	0	3.845	2	12.452	3	2311	47	3.1
3235.6	10000	38.1393	95.1627	-388	PLP	3.8	1	11.8	2	1.0	-1	0.319	0	3.938	2	12.348	3	2365	34	3.1
3235.5	10000	38.1400	95.1627	-382	PLP	3.9	1	11.5	2	1.0	-1	0.332	0	3.847	2	11.574	3	2423	57	3.1
3235.4	10000	38.1406	95.1627	-378	PLP	3.9	1	11.1	2	1.0	-1	0.352	0	4.020	2	11.405	3	2435	52	3.1
3235.3	10000	38.1412	95.1626	-373	PLP	3.7	1	10.9	2	1.0	-1	0.378	0	4.147	2	10.973	3	2443	43	3.1
3235.2	10000	38.1419	95.1626	-368	PLP	3.7	1	10.6	1	1.0	-1	0.343	0	3.603	1	10.513	3	2439	31	3.1
3235.1	10000	38.1425	95.1626	-363	PLP	3.6	1	10.6	1	1.0	-1	0.347	0	3.601	1	10.380	3	2411	49	3.1
3235.0	10000	38.1432	95.1626	-358	PLP	3.4	1	10.4	1	1.0	-1	0.356	0	3.539	1	9.928	2	2366	46	3.1
3234.9	10000	38.1438	95.1626	-352	PLP	3.3	1	10.4	1	1.0	-1	0.351	0	3.263	1	9.296	2	2337	40	3.1
3234.8	10000	38.1445	95.1626	-347	PLP	3.3	1	10.2	1	1.0	-1	0.342	0	3.395	1	9.937	2	2300	41	3.1
3234.7	10000	38.1451	95.1626	-341	PLP	3.2	1	10.2	1	1.0	-1	0.329	0	3.204	1	9.732	2	2299	42	3.1
3234.6	10000	38.1457	95.1625	-336	PLP	3.2	1	10.2	1	1.0	-1	0.317	0	3.112	1	9.809	2	2304	50	3.1
3234.5	10000	38.1464	95.1625	-330	PLP	3.2	1	10.2	1	1.0	-1	0.317	0	3.126	1	9.849	2	2292	50	3.1
3234.4	10000	38.1470	95.1625	-324	PLP	3.2	1	10.2	1	1.0	-1	0.314	0	2.995	1	9.529	2	2290	41	3.1
3234.3	10000	38.1477	95.1625	-318	PLP	3.2	1	10.4	1	1.0	-1	0.324	0	3.056	1	9.442	2	2317	41	3.1
3234.2	10000	38.1483	95.1625	-312	PLP	3.2	1	10.7	1	1.0	-1	0.331	0	3.138	1	9.487	2	2343	46	3.1
3234.1	10000	38.1489	95.1625	-307	PLP	3.3	1	10.9	1	1.1	-1	0.329	0	3.861	2	9.701	2	2389	49	3.1
3234.0	10000	38.1496	95.1624	-301	PLP	3.6	1	11.0	1	1.1	-1	0.355	0	3.203	2	9.016	2	2423	44	3.1
3233.9	10000	38.1502	95.1624	-295	PLP	3.6	1	11.1	1	1.1	-1	0.375	0	3.467	2	9.253	2	2451	52	3.1
3233.8	10000	38.1509	95.1624	-289	PLP	3.8	1	11.4	2	1.1	-1	0.374	0	3.604	2	9.638	2	2494	43	3.1
3233.7	10000	38.1515	95.1624	-284	PLP	3.9	1	11.8	2	1.1	-1	0.381	0	3.650	2	9.573	2	2541	46	3.1
3233.6	10000	38.1521	95.1624	-279	PLP	4.0	2	11.8	2	1.2	-1	0.366	0	3.399	2	9.296	2	2566	42	3.1
3233.5	10000	38.1528	95.1624	-274	PLP	4.0	2	11.8	2	1.2	-1	0.354	0	3.320	2	9.383	2	2559	52	3.1
3233.4	10000	38.1534	95.1624	-268	PLP	4.2	2	11.1	2	1.2	0	0.382	1	3.526	1	9.228	2	2537	50	3.1

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3233.3	10000	38.1541	95.1623	-264	PLP	3.9	1	10.8	1	1.2	0	0.359	0	3.159	0	8.791	0	2503	43	3.1
3233.2	10000	38.1547	95.1623	-260	PLP	3.9	1	10.4	1	1.3	1	0.370	1	3.058	0	8.274	0	2487	45	3.1
3233.1	10000	38.1553	95.1623	-256	PLP	3.9	1	10.2	1	1.3	1	0.380	1	3.084	0	8.115	0	2472	49	3.1
3233.0	10000	38.1560	95.1623	-251	PLP	3.9	1	9.7	1	1.3	1	0.402	1	3.075	0	7.654	-1	2440	47	3.1
3232.9	10000	38.1566	95.1623	-248	PKC	4.1	1	9.7	1	1.2	1	0.423	1	3.388	1	8.004	0	2407	48	3.1
3232.8	10000	38.1573	95.1623	-243	PKC	4.3	2	9.3	1	1.2	1	0.462	1	3.507	1	7.596	-1	2399	45	3.1
3232.7	10000	38.1579	95.1622	-240	PKC	4.0	1	9.5	1	1.2	1	0.420	1	3.239	0	7.706	0	2378	47	3.1
3232.6	10000	38.1586	95.1622	-237	PKC	4.1	1	9.7	1	1.2	1	0.425	1	3.388	1	7.970	0	2386	54	3.1
3232.5	10000	38.1592	95.1622	-235	PKC	4.0	1	9.9	1	1.2	1	0.402	1	3.323	1	8.268	1	2354	45	3.1
3232.4	10000	38.1598	95.1622	-232	PKC	4.0	1	10.0	1	1.2	1	0.397	1	3.412	1	8.597	0	2335	49	3.1
3232.3	10000	38.1605	95.1622	-230	PKC	3.9	1	10.4	1	1.1	0	0.373	0	3.487	1	9.347	1	2318	44	3.1
3232.2	10000	38.1611	95.1622	-228	PKC	3.8	1	10.4	1	1.1	0	0.360	0	3.269	1	9.080	1	2334	64	3.1
3232.1	10000	38.1618	95.1622	-227	PKC	3.7	1	10.5	1	1.1	0	0.348	0	3.275	1	9.407	1	2334	48	3.1
3232.0	10000	38.1624	95.1622	-226	PKC	3.9	1	10.4	1	1.1	0	0.374	0	3.481	1	9.320	1	2345	41	3.0
3231.9	10000	38.1630	95.1621	-225	PKC	3.7	1	10.4	1	1.1	0	0.361	0	3.258	1	9.039	1	2339	37	3.0
3231.8	10000	38.1637	95.1621	-223	PKC	4.3	0	10.6	1	1.2	0	0.324	0	2.943	1	9.086	1	2356	45	3.0
3231.7	10000	38.1643	95.1621	-223	PKC	4.3	0	10.5	1	1.2	0	0.317	-1	2.739	0	8.626	0	2358	39	3.0
3231.6	10000	38.1650	95.1621	-222	PKC	4.3	0	10.6	1	1.2	1	0.311	-1	2.662	0	8.547	0	2362	41	3.0
3231.5	10000	38.1656	95.1621	-222	PKC	4.4	0	10.4	1	1.2	0	0.323	0	2.706	0	8.374	0	2351	34	3.0
3231.4	10000	38.1662	95.1621	-221	PKC	4.2	0	11.1	1	1.2	1	0.287	-1	2.599	-1	9.069	1	2340	60	3.0
3231.3	10000	38.1669	95.1620	-220	PKC	4.9	-1	11.5	2	1.2	0	0.253	-1	2.361	-1	9.320	1	2334	58	3.0
3231.2	10000	38.1675	95.1620	-219	PKC	4.9	-1	11.6	2	1.2	0	0.253	-1	2.433	-1	9.624	1	2333	49	3.0
3231.1	10000	38.1682	95.1620	-219	PKC	4.2	0	11.6	2	1.2	0	0.277	-1	2.618	-1	9.459	1	2340	54	3.0
3231.0	10000	38.1688	95.1620	-218	PKC	4.1	0	11.4	2	1.3	0	0.280	-1	2.540	-1	9.075	1	2338	41	3.0
3230.9	10000	38.1695	95.1620	-218	PKC	4.1	0	11.3	2	1.3	0	0.272	-1	2.451	-1	9.000	1	2327	69	3.0
3230.8	10000	38.1701	95.1620	-217	PKC	4.1	0	11.8	2	1.2	0	0.259	-1	2.498	-1	9.650	1	2311	39	3.0
3230.7	10000	38.1707	95.1620	-216	PKC	4.2	0	11.0	2	1.2	1	0.293	-1	2.595	-1	8.863	1	2287	40	3.0
3230.6	10000	38.1714	95.1619	-215	PKC	4.2	0	10.5	1	1.2	1	0.305	-1	2.725	0	8.948	0	2251	56	3.0
3230.5	10000	38.1720	95.1619	-214	PKC	4.4	0	10.0	1	1.2	1	0.336	0	2.819	0	8.392	0	2206	33	3.0
3230.4	10000	38.1727	95.1619	-214	PKC	4.3	0	9.8	1	1.1	1	0.339	0	2.942	0	8.683	0	2157	57	3.0
3230.3	10000	38.1733	95.1619	-213	PKC	4.3	0	9.5	1	1.1	1	0.344	0	3.109	0	8.039	0	2123	43	3.0
3230.2	10000	38.1739	95.1619	-213	PKC	4.5	0	9.2	1	1.1	1	0.386	0	3.439	0	8.910	0	2087	44	3.0
3230.1	10000	38.1746	95.1619	-212	PKC	4.4	0	9.1	1	1.1	1	0.401	0	3.251	0	8.114	0	2051	39	3.0
3230.0	10000	38.1752	95.1618	-211	PKC	4.2	0	9.0	1	1.1	1	0.402	0	3.420	0	8.498	0	2039	43	3.0
3229.9	10000	38.1759	95.1618	-210	PKC	4.2	0	8.9	1	1.1	1	0.383	0	3.125	0	8.160	0	2008	42	3.0
3229.8	10000	38.1765	95.1618	-210	PKC	4.2	0	8.8	1	1.1	1	0.371	0	3.079	0	8.292	0	2010	52	3.0
3229.7	10000	38.1772	95.1618	-209	PKC	4.2	0	8.8	1	1.1	1	0.393	0	3.230	0	8.209	0	2002	50	3.0
3229.6	10000	38.1778	95.1618	-209	PKC	4.2	0	8.8	1	1.1	1	0.390	0	3.236	0	8.298	0	1987	41	3.0
3229.5	10000	38.1784	95.1618	-209	PLP	4.2	0	8.8	1	1.1	1	0.374	0	3.099	0	8.280	0	1986	49	3.0
3229.4	10000	38.1791	95.1618	-208	PLP	4.2	0	8.8	1	1.1	1	0.381	0	3.295	0	8.638	0	1981	59	3.0
3229.3	10000	38.1797	95.1618	-208	PLP	4.2	0	8.8	1	1.1	1	0.380	0	3.321	0	8.736	0	1965	48	3.0
3229.2	10000	38.1804	95.1617	-208	PLP	4.2	0	8.8	1	1.1	1	0.426	0	3.529	0	8.228	0	1994	43	3.0
3229.1	10000	38.1810	95.1617	-208	PLP	4.2	0	8.8	1	1.1	1	0.442	0	3.573	0	8.441	1	1986	43	3.0
3229.0	10000	38.1816	95.1617	-209	PLP	4.2	0	8.8	1	1.1	1	0.427	0	3.418	0	8.993	1	2005	51	3.0
3228.9	10000	38.1823	95.1617	-209	PLP	4.2	0	8.8	1	1.1	1	0.418	0	3.395	0	8.970	1	2045	61	3.0
3228.8	10000	38.1829	95.1617	-210	PLP	4.2	0	8.8	1	1.1	1	0.418	0	3.393	0	8.542	1	2085	58	3.0
3228.7	10000	38.1836	95.1617	-211	PLP	4.2	0	8.8	1	1.1	1	0.417	0	3.374	0	8.901	1	2123	55	3.0
3228.6	10000	38.1842	95.1617	-212	PLP	4.2	0	8.8	1	1.1	1	0.417	0	3.365	0	8.584	1	2160	53	3.0
3228.5	10000	38.1849	95.1616	-213	PLP	4.2	0	8.8	1	1.1	1	0.417	0	3.352	0	8.523	1	2172	53	3.0
3228.4	10000	38.1855	95.1616	-213	PLP	4.2	0	8.8	1	1.1	1	0.417	0	3.352	0	8.543	1	2200	53	3.0
3228.3	10000	38.1861	95.1616	-213	PLP	4.2	0	8.8	1	1.1	1	0.417	0	3.352	0	8.878	1	2212	53	3.0
3228.2	10000	38.1868	95.1616	-213	PLP	4.2	0	8.8	1	1.1	1	0.417	0	3.352	0	8.110	1	2205	53	3.0

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3228.1	10000	38.1874	95.1616	-214	PLP	3.5	1	9.8	0	1.0	-1	0.353	0	3.361	1	9.533	1	2209	42	3.0
3228.0	10000	38.1881	95.1616	-213	PLP	3.4	1	9.7	0	1.1	0	0.352	0	3.109	0	8.832	0	2215	51	3.0
3227.9	10000	38.1887	95.1615	-213	PLP	3.2	0	9.8	0	1.1	0	0.321	0	2.784	0	8.664	0	2233	51	3.0
3227.8	10000	38.1893	95.1615	-212	PLP	3.1	0	10.4	1	1.2	0	0.296	-1	2.663	0	9.007	0	2263	42	3.0
3227.7	10000	38.1900	95.1615	-210	PLP	2.9	-1	10.6	1	1.1	0	0.277	-1	2.595	0	9.368	1	2276	51	3.0
3227.6	10000	38.1906	95.1615	-210	PLP	2.9	-1	10.9	1	1.1	0	0.264	-1	2.561	0	9.690	1	2285	35	3.0
3227.5	10000	38.1913	95.1615	-209	PLP	2.9	-1	10.9	1	1.2	0	0.263	-1	2.476	-1	9.405	1	2269	45	3.0
3227.4	10000	38.1919	95.1615	-207	PLP	2.9	-1	11.0	1	1.1	0	0.267	-1	2.608	0	9.761	1	2250	47	3.0
3227.3	10000	38.1926	95.1615	-207	PLP	3.0	0	11.2	1	1.1	-1	0.273	-1	2.873	0	10.533	2	2226	52	3.0
3227.2	10000	38.1932	95.1614	-205	PLP	3.1	0	11.1	1	1.0	-1	0.282	-1	3.059	0	10.842	2	2184	55	3.0
3227.1	10000	38.1938	95.1614	-204	PLP	3.2	0	10.3	1	0.9	-1	0.316	0	3.430	1	10.850	2	2129	57	3.0
3227.0	10000	38.1945	95.1614	-203	PLP	3.1	0	9.8	0	0.9	-1	0.320	0	3.380	1	10.551	2	2077	52	3.0
3226.9	10000	38.1951	95.1614	-202	PLP	3.0	0	9.3	0	0.9	-1	0.322	0	3.187	1	9.897	1	2022	39	3.0
3226.8	10000	38.1958	95.1614	-201	PLP	2.9	-1	9.3	0	0.9	-2	0.307	-1	3.278	1	10.674	2	1983	40	3.0
3226.7	10000	38.1964	95.1614	-200	PLP	2.7	-1	9.3	0	0.8	-2	0.298	-1	3.199	1	10.740	2	1955	51	3.0
3226.6	10000	38.1970	95.1614	-199	PLP	2.5	-1	8.8	-1	0.8	-2	0.287	-1	3.127	0	10.911	2	1920	50	3.0
3226.5	10000	38.1977	95.1613	-198	PLP	2.6	-1	8.8	-1	0.8	-2	0.292	-1	3.291	1	11.261	2	1908	31	3.0
3226.4	10000	38.1982	95.1613	-197	PLP	2.4	-2	9.1	0	0.8	-2	0.262	-1	2.936	0	11.184	2	1908	43	3.0
3226.3	10000	38.1989	95.1613	-196	PLP	2.4	-2	9.4	0	0.8	-2	0.255	-1	2.929	0	11.491	2	1926	32	3.0
3226.2	10000	38.1995	95.1613	-195	PKC	2.5	-1	9.5	0	0.8	-2	0.262	-1	2.946	0	11.229	2	1980	40	3.0
3226.1	10000	38.2001	95.1612	-194	PKC	2.7	-1	9.5	0	1.0	-1	0.287	-1	2.827	0	9.866	1	2048	46	3.0
3226.0	10000	38.2007	95.1612	-192	PKC	2.6	-1	9.7	0	1.0	-1	0.264	-1	2.476	-1	9.380	1	2108	53	3.0
3225.9	10000	38.2013	95.1612	-191	PKC	2.9	-1	10.0	1	1.1	0	0.289	-1	2.618	-1	9.062	1	2199	37	3.0
3225.8	10000	38.2019	95.1612	-189	PKC	2.9	-1	10.5	1	1.2	0	0.275	-1	2.443	-1	8.870	0	2260	44	3.0
3225.7	10000	38.2025	95.1612	-187	PKC	2.9	-1	10.8	1	1.2	0	0.267	-1	2.354	-1	8.801	0	2321	46	3.0
3225.6	10000	38.2031	95.1611	-186	PKC	2.8	-1	11.0	1	1.3	1	0.256	-1	2.203	-1	8.601	0	2369	37	3.0
3225.5	10000	38.2037	95.1611	-184	PKC	2.8	-1	11.2	1	1.3	1	0.249	-1	2.154	-1	8.661	0	2371	48	3.0
3225.4	10000	38.2043	95.1611	-183	PKC	2.8	-1	11.2	1	1.3	1	0.250	-1	2.220	-2	8.788	0	2374	42	3.0
3225.3	10000	38.2049	95.1611	-182	PKC	2.8	-1	11.3	1	1.3	1	0.249	-1	2.224	-2	8.788	0	2375	40	3.0
3225.2	10000	38.2055	95.1610	-180	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.210	-2	8.789	0	2356	53	3.0
3225.1	10000	38.2061	95.1610	-180	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2356	35	3.0
3225.0	10000	38.2067	95.1610	-179	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.227	-1	8.789	0	2341	46	3.0
3224.9	10000	38.2073	95.1610	-179	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2331	49	3.0
3224.8	10000	38.2079	95.1610	-178	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2335	35	3.0
3224.7	10000	38.2085	95.1609	-177	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2329	48	3.0
3224.6	10000	38.2091	95.1609	-176	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2315	55	3.0
3224.5	10000	38.2098	95.1609	-176	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2307	42	3.0
3224.4	10000	38.2104	95.1609	-174	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2308	45	3.0
3224.3	10000	38.2110	95.1608	-173	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2306	49	3.0
3224.2	10000	38.2116	95.1608	-172	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2301	46	3.0
3224.1	10000	38.2122	95.1608	-171	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2297	50	3.0
3224.0	10000	38.2128	95.1608	-170	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2314	41	3.0
3223.9	10000	38.2134	95.1608	-169	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2333	39	3.0
3223.8	10000	38.2140	95.1607	-167	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2352	45	3.0
3223.7	10000	38.2146	95.1607	-165	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2347	39	3.0
3223.6	10000	38.2152	95.1607	-163	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2355	52	3.0
3223.5	10000	38.2158	95.1607	-160	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2384	41	3.0
3223.4	10000	38.2164	95.1606	-158	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2384	47	3.0
3223.3	10000	38.2170	95.1606	-156	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2386	41	3.0
3223.2	10000	38.2176	95.1606	-155	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2395	59	3.0
3223.1	10000	38.2182	95.1606	-155	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2432	40	3.0
3223.0	10000	38.2188	95.1606	-155	PKC	2.8	-1	11.3	1	1.3	1	0.250	-1	2.225	-1	8.789	0	2432	40	3.0

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3222.9	10000	38.2194	95.1605	-156	PKC	4.0	1	10.4	1	1.3	1	0.384	0	3.115	0	8.122	0	2457	63	3.0
3222.8	10000	38.2200	95.1605	-157	PKC	3.7	1	11.0	1	1.3	1	0.341	0	2.935	0	8.614	0	2462	45	3.0
3222.7	10000	38.2206	95.1605	-159	PKC	3.9	1	11.5	2	1.3	1	0.340	0	3.126	0	9.186	1	2475	42	3.0
3222.6	10000	38.2213	95.1605	-160	PKC	3.6	0	11.4	2	1.3	1	0.314	-1	2.784	0	8.866	0	2462	49	3.0
3222.5	10000	38.2219	95.1604	-162	PKC	3.6	0	11.0	1	1.3	1	0.323	0	2.834	0	8.761	0	2434	38	3.0
3222.4	10000	38.2225	95.1604	-165	PKC	3.9	1	10.8	1	1.2	0	0.357	0	3.344	1	9.356	1	2400	50	3.0
3222.3	10000	38.2231	95.1604	-167	PKC	3.8	1	10.4	1	1.1	0	0.366	0	3.586	1	9.793	1	2335	42	3.0
3222.2	10000	38.2237	95.1604	-170	PKC	3.6	1	10.6	1	1.1	0	0.342	0	3.413	1	9.978	1	2294	43	3.0
3222.1	10000	38.2243	95.1604	-171	PKC	3.4	0	10.2	1	1.0	-1	0.331	-1	3.282	0	9.918	1	2236	47	3.0
3222.0	10000	38.2249	95.1603	-171	PKC	3.0	-1	9.9	0	1.0	-1	0.301	-1	2.977	0	9.897	1	2204	47	3.0
3221.9	10000	38.2255	95.1603	-171	PKC	3.2	0	10.0	1	1.0	-1	0.326	0	3.340	1	10.252	1	2172	47	3.0
3221.8	10000	38.2261	95.1603	-171	PKC	3.5	0	9.8	0	1.0	-1	0.361	0	3.562	1	9.866	1	2179	42	3.0
3221.7	10000	38.2267	95.1603	-171	PKC	3.0	-1	10.2	1	1.0	-1	0.296	-1	3.020	1	10.204	1	2168	57	3.0
3221.6	10000	38.2273	95.1602	-171	PKC	2.3	-1	10.5	1	1.1	0	0.235	-2	2.312	-1	9.836	1	2173	56	3.0
3221.5	10000	38.2279	95.1602	-170	PKC	2.3	-2	10.7	1	1.0	-1	0.219	-2	2.442	-1	11.142	2	2168	43	3.0
3221.4	10000	38.2285	95.1602	-169	PKC	2.7	-1	11.2	2	1.0	-1	0.239	-2	2.787	0	11.658	3	2203	44	3.0
3221.3	10000	38.2291	95.1602	-168	PKC	3.0	-1	11.1	2	1.0	-1	0.271	-1	3.027	0	11.154	2	2223	40	3.0
3221.2	10000	38.2297	95.1602	-167	PKC	2.7	-1	11.2	2	0.9	-1	0.243	-1	2.907	0	11.979	3	2237	58	2.9
3221.1	10000	38.2303	95.1601	-166	PKC	2.5	-1	11.4	2	0.9	-1	0.222	-2	2.689	0	12.089	3	2245	35	2.9
3221.0	10000	38.2309	95.1601	-164	PKC	2.9	-1	11.4	2	1.0	-1	0.252	-1	2.997	0	11.903	3	2267	32	2.9
3220.9	10000	38.2315	95.1601	-163	PKC	2.9	-1	11.6	2	0.9	-1	0.247	-1	3.192	0	12.900	4	2287	48	2.9
3220.8	10000	38.2321	95.1601	-162	PKC	2.9	-1	11.6	2	0.9	-1	0.251	-1	3.127	0	12.452	3	2304	26	2.9
3220.7	10000	38.2327	95.1600	-160	PKC	2.8	-1	11.2	2	0.9	-1	0.248	-1	2.950	0	11.872	3	2303	51	2.9
3220.6	10000	38.2333	95.1600	-158	PKC	2.9	-1	11.1	2	0.9	-1	0.259	-1	3.062	0	11.803	3	2313	58	2.9
3220.5	10000	38.2340	95.1600	-156	PKC	3.1	0	10.8	2	1.0	-1	0.286	-1	3.212	0	11.233	2	2322	60	2.9
3220.4	10000	38.2346	95.1600	-154	PKC	3.5	0	10.5	1	0.9	-1	0.333	0	3.754	1	11.278	2	2311	48	2.9
3220.3	10000	38.2352	95.1600	-153	PKC	3.6	1	10.6	1	0.9	-1	0.336	0	3.853	1	11.460	2	2287	47	2.9
3220.2	10000	38.2358	95.1599	-150	PKC	3.8	1	10.3	1	0.9	-1	0.351	0	3.892	1	11.074	2	2264	63	2.8
3220.1	10000	38.2364	95.1599	-148	PKC	4.0	1	9.9	1	0.9	-1	0.381	0	4.064	2	10.670	2	2237	33	2.8
3220.0	10000	38.2370	95.1599	-146	PKC	3.9	1	9.9	1	0.9	-1	0.396	0	4.293	2	10.838	2	2193	45	2.8
3219.9	10000	38.2376	95.1599	-143	PKC	3.5	0	10.2	1	0.9	-1	0.344	0	3.907	1	11.342	2	2150	34	2.8
3219.8	10000	38.2382	95.1599	-141	PKC	3.9	1	10.4	1	1.0	-1	0.344	0	4.507	2	11.392	2	2123	50	2.8
3219.7	10000	38.2388	95.1598	-138	PKC	3.8	1	10.5	1	1.0	-1	0.308	0	4.280	2	10.871	2	2100	36	2.8
3219.6	10000	38.2394	95.1598	-136	PKC	3.6	1	10.3	1	1.0	-1	0.302	0	4.044	2	10.514	2	2088	36	2.8
3219.5	10000	38.2400	95.1598	-133	PKC	3.4	0	9.9	0	1.0	-1	0.290	0	3.950	2	10.228	2	2072	55	2.8
3219.4	10000	38.2406	95.1598	-130	PKC	3.2	0	9.5	0	1.0	-1	0.288	0	4.686	2	10.828	2	2060	43	2.8
3219.3	10000	38.2412	95.1597	-127	PKC	3.1	0	9.6	0	1.0	-1	0.273	0	4.315	2	10.310	2	2054	51	2.8
3219.2	10000	38.2418	95.1597	-124	PKC	3.0	0	9.5	0	1.0	-1	0.249	0	4.497	2	9.787	2	2046	49	2.7
3219.1	10000	38.2424	95.1597	-122	PLP	2.8	0	9.4	0	1.0	-1	0.284	0	4.668	2	9.165	2	2031	40	2.7
3219.0	10000	38.2430	95.1597	-119	PLP	2.8	0	9.3	0	1.0	-1	0.327	0	4.567	2	9.209	2	2010	42	2.7
3218.9	10000	38.2436	95.1597	-116	PLP	2.8	0	9.3	0	1.0	-1	0.313	0	4.805	3	9.477	2	1978	46	2.7
3218.8	10000	38.2442	95.1596	-114	PLP	2.8	0	9.3	0	1.0	-1	0.331	0	4.227	2	9.080	2	1944	54	2.7
3218.7	10000	38.2448	95.1596	-111	PLP	2.8	0	9.3	0	1.0	-1	0.399	0	4.448	3	9.906	2	1915	40	2.7
3218.6	10000	38.2454	95.1596	-107	PLP	2.8	0	9.3	0	1.0	-1	0.361	0	4.786	3	9.975	2	1897	57	2.7
3218.5	10000	38.2461	95.1596	-104	PLP	2.8	0	9.3	0	1.0	-1	0.475	0	4.758	3	9.089	2	1868	54	2.7
3218.4	10000	38.2467	95.1595	-102	PLP	2.8	0	9.3	0	1.0	-1	0.465	0	4.921	3	9.039	2	1859	46	2.6
3218.3	10000	38.2473	95.1595	-99	PLP	2.8	0	9.3	0	1.0	-1	0.452	0	5.099	4	9.070	2	1861	45	2.6
3218.2	10000	38.2479	95.1595	-97	PLP	2.8	0	9.3	0	1.0	-1	0.409	0	4.980	3	9.039	2	1870	48	2.6
3218.1	10000	38.2485	95.1595	-93	PLP	2.8	0	9.3	0	1.0	-1	0.379	0	4.674	3	9.691	2	1893	58	2.6
3218.0	10000	38.2491	95.1595	-90	PLP	2.8	0	9.3	0	1.0	-1	0.356	0	4.738	3	9.514	2	1917	44	2.6
3217.9	10000	38.2497	95.1594	-87	PLP	2.8	0	9.3	0	1.0	-1	0.357	0	4.850	3	10.197	2	1950	37	2.6
3217.8	10000	38.2503	95.1594	-85	PLP	2.8	0	9.3	0	1.0	-1	0.361	0	4.722	3	10.316	2	2000	52	2.6

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3217.7	10000	38.2509	95.1594	-82	PLP	3.2	0	9.7	0	0.9	-1	0.333	0	3.524	1	10.571	2	2034	43	2.6
3217.6	10000	38.2515	95.1594	-79	PLP	3.2	0	10.3	1	1.0	-1	0.311	0	3.243	1	10.414	1	2072	61	2.6
3217.5	10000	38.2521	95.1593	-76	PLP	3.2	0	10.3	1	1.0	-1	0.307	-1	3.128	0	10.173	1	2107	51	2.6
3217.4	10000	38.2527	95.1593	-73	PLP	3.2	0	10.6	1	1.0	-1	0.300	-1	3.036	0	10.133	1	2140	56	2.5
3217.3	10000	38.2533	95.1593	-70	PLP	3.1	0	10.5	1	1.1	0	0.293	-1	2.823	0	9.624	1	2156	51	2.5
3217.2	10000	38.2539	95.1593	-68	PLP	3.7	-1	10.9	1	1.1	0	0.249	-2	2.510	-1	10.064	1	2158	42	2.5
3217.1	10000	38.2545	95.1593	-66	PLP	3.0	0	10.9	1	1.1	-1	0.275	-1	2.822	0	10.271	1	2150	44	2.5
3217.0	10000	38.2551	95.1592	-64	PLP	3.0	0	10.6	1	1.0	-1	0.283	-1	2.910	0	10.301	1	2153	43	2.5
3216.9	10000	38.2557	95.1592	-63	PLP	3.3	0	10.3	1	1.0	-1	0.324	0	3.322	1	10.256	1	2160	52	2.5
3216.8	10000	38.2563	95.1592	-62	PLP	3.4	0	10.3	1	1.0	-1	0.330	0	3.488	1	10.564	2	2169	49	2.5
3216.7	10000	38.2570	95.1592	-62	PLP	3.6	1	9.8	0	1.0	-1	0.373	1	3.820	2	10.232	1	2165	40	2.5
3216.6	10000	38.2576	95.1591	-62	PLP	3.9	1	9.8	0	0.9	-1	0.396	1	4.198	2	10.604	2	2162	47	2.5
3216.5	10000	38.2582	95.1591	-62	PLP	3.8	1	9.9	0	0.9	-1	0.379	1	3.993	2	10.540	2	2164	50	2.5
3216.4	10000	38.2588	95.1591	-63	PLP	3.5	1	9.7	0	1.0	-1	0.367	1	3.655	1	9.967	1	2178	42	2.5
3216.3	10000	38.2594	95.1591	-64	PLP	3.7	1	9.5	0	1.0	-1	0.393	1	3.611	1	9.192	1	2189	50	2.5
3216.2	10000	38.2600	95.1591	-66	PLP	3.5	1	9.5	0	1.0	-1	0.367	1	3.406	1	9.288	1	2188	48	2.5
3216.1	10000	38.2606	95.1590	-69	PLP	3.7	1	9.4	0	1.1	-1	0.388	1	3.470	1	8.935	0	2172	45	2.5
3216.0	10000	38.2612	95.1590	-72	PLP	3.5	1	9.7	0	1.1	-1	0.363	1	3.341	1	9.208	1	2173	43	2.5
3215.9	10000	38.2618	95.1590	-75	PLP	3.4	0	9.6	0	1.1	0	0.350	0	3.128	0	8.926	0	2169	50	2.5
3215.8	10000	38.2624	95.1590	-79	PLP	3.7	1	9.7	0	1.1	-1	0.380	1	3.515	1	9.256	1	2174	45	2.5
3215.7	10000	38.2630	95.1589	-84	PLP	3.9	1	9.6	0	1.0	-1	0.408	1	3.779	1	9.263	1	2163	54	2.4
3215.6	10000	38.2636	95.1589	-88	PLP	4.0	2	9.4	0	1.0	-1	0.420	2	3.981	2	9.472	1	2147	48	2.4
3215.5	10000	38.2642	95.1589	-94	PLP	3.9	1	8.9	-1	1.0	-1	0.433	2	4.032	2	9.310	1	2126	44	2.4
3215.4	10000	38.2648	95.1589	-99	PLP	3.6	1	8.7	-1	0.9	-1	0.411	1	3.786	2	9.201	1	2110	46	2.4
3215.3	10000	38.2654	95.1589	-105	PLP	3.5	1	8.6	-1	0.9	-1	0.410	1	3.703	1	9.029	0	2106	50	2.4
3215.2	10000	38.2660	95.1588	-111	PLP	3.6	1	8.6	-1	0.9	-1	0.420	2	3.922	2	9.332	1	2117	45	2.4
3215.1	10000	38.2666	95.1588	-118	PLP	3.5	1	8.6	-1	0.9	-1	0.410	1	3.537	1	9.061	1	2129	49	2.4
3215.0	10000	38.2672	95.1588	-124	PLP	3.5	1	8.6	-1	0.9	-1	0.410	1	3.466	1	8.700	0	2159	39	2.4
3214.9	10000	38.2678	95.1588	-131	PLP	3.5	1	8.6	-1	0.9	-1	0.410	1	3.253	1	8.774	0	2189	43	2.4
3214.8	10000	38.2684	95.1587	-138	PLP	3.5	1	8.6	-1	0.9	-1	0.410	1	3.075	1	8.007	0	2218	56	2.4
3214.7	10000	38.2691	95.1587	-145	PLP	3.5	1	8.6	-1	0.9	-1	0.410	1	2.929	1	8.376	0	2261	55	2.4
3214.6	10000	38.2697	95.1587	-153	PLP	3.5	1	8.6	-1	0.9	-1	0.410	1	2.786	1	8.339	0	2275	54	2.4
3214.5	10000	38.2703	95.1587	-161	PLP	3.5	1	8.6	-1	0.9	-1	0.410	1	2.584	1	8.430	0	2305	45	2.4
3214.4	10000	38.2709	95.1587	-169	PLP	3.5	1	8.6	-1	0.9	-1	0.410	1	2.988	1	8.071	0	2317	43	2.4
3214.3	10000	38.2715	95.1586	-177	PLP	3.5	1	8.6	-1	0.9	-1	0.410	1	2.205	1	8.827	0	2321	60	2.4
3214.2	10000	38.2721	95.1586	-185	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.295	1	8.680	0	2331	26	2.4
3214.1	10000	38.2727	95.1586	-194	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.602	1	8.427	0	2341	56	2.4
3214.0	10000	38.2733	95.1586	-203	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.618	1	8.458	0	2369	40	2.4
3213.9	10000	38.2739	95.1585	-211	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.771	1	8.193	0	2419	44	2.4
3213.8	10000	38.2745	95.1585	-220	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.675	1	8.674	0	2461	52	2.4
3213.7	10000	38.2751	95.1585	-229	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.252	1	8.346	0	2492	47	2.4
3213.6	10000	38.2757	95.1585	-237	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.271	1	8.412	0	2512	41	2.4
3213.5	10000	38.2763	95.1584	-246	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.182	1	8.679	0	2510	31	2.4
3213.4	10000	38.2769	95.1584	-254	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.098	1	8.337	0	2487	51	2.4
3213.3	10000	38.2775	95.1584	-263	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.097	1	8.115	0	2434	51	2.4
3213.2	10000	38.2781	95.1584	-272	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.114	1	8.022	0	2360	61	2.4
3213.1	10000	38.2787	95.1584	-281	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.125	1	8.116	0	2272	43	2.4
3213.0	10000	38.2793	95.1583	-291	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.047	1	8.407	0	2208	60	2.4
3212.9	10000	38.2799	95.1583	-301	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.017	1	8.268	0	2128	38	2.4
3212.8	10000	38.2805	95.1583	-312	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.081	1	8.348	0	2057	49	2.4
3212.7	10000	38.2812	95.1583	-322	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.056	1	8.577	0	1997	44	2.4
3212.6	10000	38.2818	95.1582	-331	PKC	3.5	1	8.6	-1	0.9	-1	0.410	1	2.311	1	8.530	0	1961	38	2.5

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3212.5	10000	38.2824	95.1582	-341	PKC	2.8	-1	8.5	-1	0.9	-1	0.332	0	3.014	0	9.065	1	1921	46	2.5
3212.4	10000	38.2830	95.1582	-350	PKC	3.0	-1	8.1	-1	0.9	-1	0.367	0	3.305	0	9.010	1	1891	46	2.5
3212.3	10000	38.2836	95.1582	-359	PKC	3.1	0	7.7	-1	0.9	-1	0.401	1	3.463	1	8.627	0	1888	48	2.5
3212.2	10000	38.2842	95.1582	-369	PKC	3.1	0	7.6	-1	0.9	-1	0.409	1	3.301	0	8.080	0	1913	49	2.5
3212.1	10000	38.2848	95.1582	-378	PKC	3.3	0	7.8	-1	1.0	-1	0.426	1	3.269	0	7.673	-1	1953	44	2.5
3212.0	10000	38.2854	95.1582	-387	PKC	3.6	0	8.2	-1	1.1	0	0.436	1	3.385	1	7.757	0	2018	54	2.5
3211.9	10000	38.2860	95.1582	-397	PKC	3.8	1	8.4	-1	1.1	0	0.458	1	3.541	1	7.726	0	2066	45	2.5
3211.8	10000	38.2866	95.1582	-406	PKC	4.0	1	8.5	-1	1.1	0	0.468	1	3.462	1	7.393	-1	2144	46	2.5
3211.7	10000	38.2872	95.1581	-415	PKC	3.8	1	9.1	0	1.2	1	0.420	1	3.117	0	7.425	-1	2225	47	2.5
3211.6	10000	38.2878	95.1581	-422	PKC	3.8	1	9.3	0	1.3	1	0.407	1	3.023	0	7.423	-1	2265	42	2.5
3211.5	10000	38.2884	95.1581	-430	PKC	3.8	1	9.3	0	1.2	1	0.407	1	3.040	0	7.474	-1	2272	50	2.5
3211.4	10000	38.2890	95.1581	-437	PKC	3.6	0	9.1	0	1.2	0	0.392	0	2.983	0	7.608	-1	2236	45	2.5
3211.3	10000	38.2897	95.1581	-444	PKC	3.6	1	8.8	0	1.1	0	0.413	1	3.178	0	7.699	-1	2182	42	2.5
3211.2	10000	38.2903	95.1581	-451	PKC	3.5	0	8.3	-1	1.1	0	0.417	1	3.101	0	7.431	-1	2141	40	2.5
3211.1	10000	38.2909	95.1581	-458	PKC	3.2	0	8.2	-1	1.1	0	0.395	0	3.032	0	7.676	-1	2068	50	2.5
3211.0	10000	38.2915	95.1581	-465	PKC	3.2	0	7.8	-1	1.0	-1	0.403	1	3.054	0	7.578	-1	2003	33	2.5
3210.9	10000	38.2921	95.1581	-471	PKC	3.0	-1	8.0	-1	1.0	-1	0.373	0	3.022	0	8.092	0	1967	51	2.5
3210.8	10000	38.2927	95.1581	-478	PKC	2.9	-1	8.2	-1	1.0	-1	0.358	0	2.900	0	8.094	0	1952	52	2.6
3210.7	10000	38.2933	95.1581	-485	PKC	2.9	-1	8.4	-1	1.0	-1	0.338	0	2.767	0	8.185	0	1988	31	2.6
3210.6	10000	38.2939	95.1581	-492	PKC	2.8	-1	8.4	-1	1.0	-1	0.337	0	2.713	0	8.055	0	2014	36	2.6
3210.5	10000	38.2945	95.1581	-498	QAL	3.0	1	9.0	0	1.0	-1	0.335	0	2.909	1	8.678	1	2028	44	2.6
3210.4	10000	38.2951	95.1581	-505	QAL	3.1	0	9.2	0	1.0	-1	0.340	0	3.003	1	8.841	1	2046	48	2.6
3210.3	10000	38.2958	95.1581	-512	QAL	3.0	0	9.5	0	1.1	-1	0.320	0	2.863	1	8.950	1	2059	42	2.6
3210.2	10000	38.2963	95.1581	-519	QAL	3.0	0	9.6	0	1.1	-1	0.326	0	2.913	1	8.947	1	2062	41	2.6
3210.1	10000	38.2970	95.1581	-527	QAL	3.0	0	9.5	0	1.1	-1	0.313	0	2.716	1	8.693	1	2055	42	2.6
3210.0	10000	38.2976	95.1581	-534	QAL	2.7	-1	9.5	0	1.1	-1	0.285	-1	2.408	0	8.461	1	2030	56	2.6
3209.9	10000	38.2982	95.1581	-542	QAL	2.5	-1	9.4	0	1.2	0	0.270	-1	2.171	-1	8.034	1	2038	54	2.6
3209.8	10000	38.2988	95.1581	-549	QAL	2.4	-1	9.2	0	1.2	0	0.259	-1	2.008	-1	7.765	0	2039	40	2.6
3209.7	10000	38.2994	95.1581	-557	QAL	2.5	-1	9.5	1	1.3	0	0.263	-1	2.000	-1	7.608	0	2070	47	2.6
3209.6	10000	38.3000	95.1581	-564	QAL	2.7	-1	9.1	1	1.3	0	0.300	-1	2.148	-1	7.154	0	2095	58	2.6
3209.5	10000	38.3006	95.1581	-572	QAL	2.7	-1	9.2	1	1.3	0	0.292	-1	2.038	-1	6.977	0	2120	45	2.6
3209.4	10000	38.3012	95.1581	-580	QAL	2.5	-1	9.3	1	1.3	0	0.324	-1	2.376	-1	7.326	0	2177	43	2.6
3209.3	10000	38.3018	95.1581	-587	QAL	2.5	-1	9.3	1	1.3	0	0.361	-1	2.737	-1	7.581	0	2237	42	2.6
3209.2	10000	38.3025	95.1581	-595	QAL	2.6	-1	9.3	1	1.3	0	0.347	-1	2.756	-1	7.949	0	2271	45	2.6
3209.1	10000	38.3031	95.1581	-602	QAL	2.6	-1	9.3	1	1.3	0	0.338	-1	2.673	-1	7.918	0	2315	44	2.6
3209.0	10000	38.3037	95.1581	-609	QAL	2.6	-1	9.3	1	1.3	0	0.367	-1	2.854	-1	7.768	0	2335	43	2.6
3208.9	10000	38.3043	95.1580	-617	QAL	2.6	-1	9.3	1	1.3	0	0.342	-1	2.839	-1	7.683	0	2341	44	2.6
3208.8	10000	38.3049	95.1580	-623	QAL	2.6	-1	9.3	1	1.3	0	0.344	-1	2.855	-1	7.310	0	2333	38	2.6
3208.7	10000	38.3055	95.1580	-630	QAL	2.6	-1	9.3	1	1.3	0	0.310	-1	2.541	-1	7.195	0	2292	63	2.6
3208.6	10000	38.3061	95.1580	-636	QAL	2.6	-1	9.3	1	1.3	0	0.293	-1	2.324	-1	7.937	0	2243	46	2.6
3208.5	10000	38.3067	95.1580	-643	QAL	2.6	-1	9.3	1	1.3	0	0.304	-1	2.520	-1	7.290	0	2208	50	2.6
3208.4	10000	38.3073	95.1580	-648	QAL	2.6	-1	9.3	1	1.3	0	0.288	-1	2.439	-1	7.473	0	2163	50	2.6
3208.3	10000	38.3079	95.1580	-654	QAL	2.6	-1	9.3	1	1.3	0	0.251	-1	2.180	-1	7.681	0	2126	34	2.6
3208.2	10000	38.3085	95.1580	-659	QAL	2.6	-1	9.3	1	1.3	0	0.227	-1	1.893	-1	7.336	0	2100	56	2.6
3208.1	10000	38.3092	95.1580	-664	QAL	2.6	-1	9.3	1	1.3	0	0.223	-1	1.857	-1	7.336	0	2083	53	2.6
3208.0	10000	38.3098	95.1580	-668	QAL	2.6	-1	9.3	1	1.3	0	0.246	-1	2.104	-1	7.544	0	2073	63	2.6
3207.9	10000	38.3104	95.1580	-673	QAL	2.6	-1	9.3	1	1.3	0	0.260	-1	2.333	-1	7.591	0	2058	51	2.6
3207.8	10000	38.3110	95.1580	-677	QAL	2.6	-1	9.3	1	1.3	0	0.262	-1	2.107	-1	7.039	0	2043	51	2.6
3207.7	10000	38.3116	95.1580	-681	QAL	2.6	-1	9.3	1	1.3	0	0.256	-1	2.048	-1	7.106	0	2064	50	2.6
3207.6	10000	38.3122	95.1580	-684	QAL	2.6	-1	9.3	1	1.3	0	0.282	-1	2.289	-1	7.015	0	2097	38	2.6
3207.5	10000	38.3128	95.1580	-688	QAL	2.6	-1	9.3	1	1.3	0	0.344	-1	2.756	-1	7.105	0	2120	40	2.6
3207.4	10000	38.3134	95.1580	-691	QAL	2.6	-1	9.3	1	1.3	0	0.351	-1	2.844	-1	8.105	0	2150	46	2.5

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3207.3	10000	38.3140	95.1580	-694	QAL	3.3	0	9.9	1	1.2	0	0.329	0	2.747	0	8.338	0	2182	54	2.5
3207.2	10000	38.3146	95.1580	-696	QAL	3.6	1	10.3	1	1.2	0	0.348	0	2.993	1	8.600	1	2207	40	2.5
3207.1	10000	38.3152	95.1580	-698	QAL	3.6	1	10.3	1	1.2	0	0.347	0	3.036	1	8.743	1	2240	39	2.5
3207.0	10000	38.3159	95.1580	-700	QAL	3.6	1	10.2	1	1.1	0	0.350	0	3.118	1	8.915	1	2232	50	2.5
3206.9	10000	38.3165	95.1580	-702	QAL	3.3	0	10.1	1	1.1	0	0.321	0	2.866	0	8.916	1	2196	46	2.5
3206.8	10000	38.3171	95.1580	-704	QAL	2.9	0	10.2	1	1.1	0	0.281	-1	2.534	0	9.009	1	2164	54	2.5
3206.7	10000	38.3177	95.1580	-706	QAL	3.0	0	10.2	1	1.1	-1	0.294	-1	2.765	0	9.414	1	2117	40	2.5
3206.6	10000	38.3183	95.1580	-709	QAL	2.9	0	9.9	1	1.1	-1	0.296	-1	2.752	0	9.291	1	2078	46	2.5
3206.5	10000	38.3189	95.1579	-711	QAL	2.8	-1	9.5	0	1.1	-1	0.292	-1	2.622	0	8.979	1	2054	44	2.5
3206.4	10000	38.3195	95.1579	-714	QAL	2.9	0	9.5	0	1.1	-1	0.309	0	2.758	0	8.916	1	2037	40	2.5
3206.3	10000	38.3201	95.1579	-716	QAL	3.1	0	9.0	0	1.1	0	0.343	0	2.737	0	7.974	0	2030	46	2.5
3206.2	10000	38.3207	95.1579	-719	QAL	3.1	0	8.9	0	1.2	0	0.349	0	2.707	0	7.751	0	2033	58	2.5
3206.1	10000	38.3213	95.1579	-722	QAL	3.2	0	8.9	0	1.1	0	0.365	0	2.859	0	7.828	0	2042	37	2.5
3206.0	10000	38.3220	95.1579	-726	QAL	3.1	0	8.6	0	1.2	0	0.361	0	2.632	0	7.297	0	2049	43	2.5
3205.9	10000	38.3225	95.1579	-729	QAL	3.1	-1	8.2	0	1.2	0	0.385	1	2.642	0	6.867	0	2045	60	2.5
3205.8	10000	38.3232	95.1579	-733	QAL	3.1	0	8.8	0	1.2	0	0.355	0	2.614	0	7.408	0	2045	50	2.5
3205.7	10000	38.3238	95.1579	-737	QAL	2.8	0	8.8	0	1.2	0	0.319	0	2.349	0	7.355	0	2035	36	2.5
3205.6	10000	38.3244	95.1579	-741	QAL	2.7	-1	9.1	0	1.1	-1	0.295	-1	2.410	0	8.167	0	2019	54	2.5
3205.5	10000	38.3250	95.1579	-745	QAL	2.8	0	9.0	0	1.1	-1	0.315	0	2.585	0	8.209	0	2003	49	2.5
3205.4	10000	38.3256	95.1579	-749	QAL	2.8	0	8.7	0	1.1	0	0.323	0	2.511	0	7.763	0	1997	49	2.5
3205.3	10000	38.3262	95.1579	-753	QAL	3.0	0	8.8	0	1.1	0	0.335	0	2.590	0	7.740	0	1991	52	2.5
3205.2	10000	38.3268	95.1579	-759	QAL	2.9	0	8.9	0	1.2	0	0.326	0	2.542	0	7.794	0	2013	27	2.5
3205.1	10000	38.3274	95.1579	-764	QAL	3.0	-1	8.8	0	1.2	0	0.365	0	2.539	0	6.960	0	2017	36	2.5
3205.0	10000	38.3280	95.1579	-768	QAL	3.1	-1	8.2	0	1.1	0	0.381	1	2.720	0	7.139	0	2034	45	2.5
3204.9	10000	38.3287	95.1579	-772	QAL	3.3	-1	8.1	0	1.2	0	0.410	1	2.727	0	6.651	-1	2063	47	2.5
3204.8	10000	38.3293	95.1579	-776	QAL	3.5	-1	8.4	0	1.3	0	0.417	1	2.752	0	6.601	-1	2118	34	2.5
3204.7	10000	38.3299	95.1579	-779	QAL	3.6	0	8.6	0	1.2	0	0.418	1	2.929	1	7.012	0	2147	43	2.4
3204.6	10000	38.3305	95.1579	-783	QAL	3.6	1	8.8	0	1.2	0	0.400	1	2.887	0	7.219	0	2204	40	2.4
3204.5	10000	38.3311	95.1579	-786	QAL	3.7	1	9.5	0	1.2	0	0.385	1	2.962	0	7.688	0	2235	50	2.4
3204.4	10000	38.3317	95.1579	-788	QAL	3.6	1	8.8	0	1.2	0	0.369	1	2.759	0	7.472	0	2290	47	2.4
3204.3	10000	38.3323	95.1579	-791	QAL	3.7	1	9.5	0	1.2	0	0.365	1	2.679	0	7.349	0	2329	45	2.4
3204.2	10000	38.3329	95.1579	-792	QAL	3.8	1	9.3	0	1.2	0	0.350	1	2.636	0	7.529	0	2355	57	2.4
3204.1	10000	38.3335	95.1579	-794	QAL	3.7	1	9.5	0	1.2	0	0.311	1	2.389	0	7.686	0	2362	58	2.4
3204.0	10000	38.3341	95.1579	-794	QAL	3.5	1	9.3	0	1.2	0	0.281	1	2.118	0	7.545	0	2392	43	2.4
3203.9	10000	38.3347	95.1579	-794	QAL	3.5	1	9.3	0	1.2	0	0.277	1	2.073	0	7.472	0	2396	54	2.4
3203.8	10000	38.3354	95.1579	-794	QAL	3.5	1	9.3	0	1.2	0	0.267	1	2.873	0	7.007	0	2387	37	2.4
3203.7	10000	38.3360	95.1578	-793	QAL	3.5	1	9.3	0	1.2	0	0.261	1	2.874	0	7.190	0	2371	45	2.4
3203.6	10000	38.3366	95.1578	-792	QAL	3.5	1	9.3	0	1.2	0	0.254	1	2.888	0	7.423	0	2356	58	2.4
3203.5	10000	38.3372	95.1578	-791	QAL	3.5	1	9.3	0	1.2	0	0.231	1	2.715	0	7.407	0	2334	49	2.4
3203.4	10000	38.3378	95.1578	-789	QAL	3.5	1	9.3	0	1.2	0	0.251	1	2.828	0	7.296	0	2294	48	2.4
3203.3	10000	38.3384	95.1578	-787	QAL	3.5	1	9.3	0	1.2	0	0.272	1	2.989	0	7.313	0	2237	56	2.4
3203.2	10000	38.3390	95.1578	-785	QAL	3.5	1	9.3	0	1.2	0	0.303	1	2.268	0	7.488	0	2204	49	2.4
3203.1	10000	38.3396	95.1578	-782	QAL	3.5	1	9.3	0	1.2	0	0.347	1	2.879	0	7.451	0	2169	57	2.4
3203.0	10000	38.3402	95.1578	-779	PKC	3.5	1	9.3	0	1.2	0	0.354	1	2.887	0	7.551	0	2138	49	2.4
3202.9	10000	38.3408	95.1578	-777	PKC	3.5	1	9.3	0	1.2	0	0.358	1	2.880	0	7.584	0	2111	47	2.4
3202.8	10000	38.3414	95.1578	-774	PKC	3.5	1	9.3	0	1.2	0	0.346	1	2.871	0	7.580	0	2097	37	2.4
3202.7	10000	38.3421	95.1578	-771	PKC	3.5	1	9.3	0	1.2	0	0.332	1	2.861	0	7.522	0	2085	45	2.4
3202.6	10000	38.3427	95.1578	-768	PKC	3.5	1	9.3	0	1.2	0	0.310	1	2.857	0	7.524	0	2076	45	2.4
3202.5	10000	38.3433	95.1578	-765	PKC	3.5	1	9.3	0	1.2	0	0.287	1	2.859	0	7.527	0	2046	54	2.4
3202.4	10000	38.3439	95.1578	-762	PKC	3.5	1	9.3	0	1.2	0	0.261	1	2.864	0	7.547	0	2026	40	2.4
3202.3	10000	38.3445	95.1578	-759	PKC	3.5	1	9.3	0	1.2	0	0.241	1	2.870	0	7.577	0	2020	54	2.4
3202.2	10000	38.3451	95.1578	-757	PKC	3.5	1	9.3	0	1.2	0	0.221	1	2.876	0	7.607	0	2000	59	2.3

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3202.1	10000	38.3457	95.1578	-755	PKC	2.6	-1	10.1	1	0.9	-1	0.260	-1	2.947	0	11.318	2	1983	41	2.3
3202.0	10000	38.3463	95.1578	-754	PKC	2.4	-2	10.1	1	0.9	-1	0.235	-2	2.574	-1	10.930	2	1977	52	2.3
3201.9	10000	38.3469	95.1578	-752	PKC	2.3	-2	10.6	1	0.9	-1	0.218	-2	2.479	-1	11.351	2	1977	60	2.3
3201.8	10000	38.3475	95.1578	-751	PLP	2.3	-2	10.6	1	1.0	-1	0.215	-2	2.330	-1	10.820	2	1984	37	2.3
3201.7	10000	38.3482	95.1578	-750	PLP	2.2	-2	10.8	1	1.0	-1	0.200	-2	2.167	-1	10.820	2	2015	53	2.3
3201.6	10000	38.3487	95.1578	-751	PLP	2.2	-2	10.9	1	1.0	-1	0.202	-2	2.142	-1	10.594	2	2037	46	2.3
3201.5	10000	38.3494	95.1578	-753	PLP	2.3	-2	11.1	1	1.1	0	0.209	-2	2.144	-1	10.272	1	2092	59	2.3
3201.4	10000	38.3500	95.1578	-754	PLP	2.5	-2	10.7	1	1.1	-1	0.232	-2	2.347	-1	10.130	1	2120	49	2.3
3201.3	10000	38.3506	95.1577	-756	PLP	2.6	-1	10.8	1	1.0	-1	0.243	-2	2.563	0	10.554	2	2147	47	2.3
3201.2	10000	38.3512	95.1577	-758	PLP	3.0	0	10.3	1	1.0	-1	0.291	-1	2.884	0	9.900	1	2176	38	2.3
3201.1	10000	38.3518	95.1577	-760	PLP	3.0	0	10.3	1	1.0	-1	0.292	-1	2.886	0	9.876	1	2194	37	2.3
3201.0	10000	38.3524	95.1577	-761	PLP	3.5	1	10.4	1	1.0	-1	0.341	0	3.482	1	10.219	1	2200	51	2.3
3200.9	10000	38.3530	95.1577	-762	PLP	3.4	0	10.0	0	1.0	-1	0.343	0	3.408	1	9.930	1	2198	45	2.3
3200.8	10000	38.3536	95.1577	-762	PLP	3.6	1	10.0	0	1.0	-1	0.358	0	3.595	1	10.029	1	2160	55	2.3
3200.7	10000	38.3542	95.1577	-764	PLP	3.5	1	10.0	0	1.0	-1	0.349	0	3.350	1	9.611	1	2150	43	2.3
3200.6	10000	38.3549	95.1577	-767	PLP	3.4	0	9.7	0	1.1	0	0.351	0	3.111	0	8.866	0	2139	39	2.3
3200.5	10000	38.3555	95.1577	-768	PKC	3.4	0	10.0	0	1.1	0	0.337	0	3.087	0	9.157	1	2130	37	2.3
3200.4	10000	38.3561	95.1577	-768	PKC	3.5	0	9.8	0	1.1	0	0.353	0	3.124	0	8.860	0	2119	53	2.3
3200.3	10000	38.3567	95.1577	-769	PKC	3.1	0	9.7	0	1.1	0	0.320	0	2.694	0	8.412	0	2099	37	2.3
3200.2	10000	38.3573	95.1577	-769	PKC	3.3	0	10.3	1	1.1	0	0.321	0	2.873	0	8.954	0	2089	49	2.2
3200.1	10000	38.3579	95.1577	-769	PKC	3.3	0	10.0	1	1.1	0	0.329	0	2.950	0	8.968	0	2062	45	2.2
3200.0	10000	38.3585	95.1577	-769	PKC	3.1	0	9.9	0	1.1	0	0.317	-1	2.801	0	8.836	0	2040	46	2.2
3199.9	10000	38.3591	95.1577	-768	PKC	3.1	0	10.0	1	1.1	0	0.310	-1	2.737	0	8.830	0	1999	53	2.2
3199.8	10000	38.3597	95.1577	-768	PKC	2.8	-1	9.5	0	1.1	0	0.299	-1	2.496	-1	8.354	0	1975	44	2.2
3199.7	10000	38.3603	95.1577	-768	PKC	2.7	-1	9.3	0	1.1	0	0.291	-1	2.393	-1	8.217	0	1949	43	2.2
3199.6	10000	38.3609	95.1577	-768	PKC	2.7	-1	8.7	-1	1.1	0	0.312	-1	2.448	-1	7.842	0	1936	34	2.2
3199.5	10000	38.3615	95.1577	-768	PKC	2.6	-1	8.8	-1	1.1	0	0.321	-1	2.345	-1	7.297	0	1898	41	2.2
3199.4	10000	38.3622	95.1577	-768	PKC	2.5	-1	8.8	-1	1.1	0	0.326	-1	2.311	-1	7.097	0	1886	44	2.2
3199.3	10000	38.3628	95.1577	-768	QAL	2.7	-1	8.8	-1	1.1	0	0.333	-1	2.424	-1	7.289	0	1893	35	2.2
3199.2	10000	38.3634	95.1577	-768	QAL	2.8	-1	8.8	-1	1.1	0	0.340	-1	2.606	-1	7.659	0	1927	42	2.2
3199.1	10000	38.3640	95.1577	-767	QAL	2.8	-1	8.8	-1	1.1	0	0.371	-1	2.923	-1	7.882	0	1965	48	2.2
3199.0	10000	38.3646	95.1577	-766	QAL	3.1	-1	8.8	-1	1.1	0	0.403	-1	3.302	-1	8.192	0	2018	46	2.2
3198.9	10000	38.3652	95.1577	-765	QAL	3.0	-1	8.8	-1	1.1	0	0.366	-1	3.303	-1	9.022	0	2039	45	2.2
3198.8	10000	38.3658	95.1577	-765	QAL	3.0	-1	8.8	-1	1.1	0	0.367	-1	3.350	-1	9.128	0	2090	46	2.2
3198.7	10000	38.3664	95.1577	-764	QAL	3.0	-1	8.8	-1	1.1	0	0.360	-1	3.273	-1	9.097	0	2118	51	2.2
3198.6	10000	38.3670	95.1577	-763	QAL	3.0	-1	8.8	-1	1.1	0	0.363	-1	3.187	-1	8.790	0	2134	46	2.2
3198.5	10000	38.3676	95.1576	-762	QAL	3.0	-1	8.8	-1	1.1	0	0.389	-1	3.287	-1	8.442	0	2137	40	2.2
3198.4	10000	38.3683	95.1576	-762	QAL	3.0	-1	8.8	-1	1.1	0	0.376	-1	3.086	-1	8.204	0	2119	49	2.2
3198.3	10000	38.3689	95.1576	-761	QAL	3.0	-1	8.8	-1	1.1	0	0.357	-1	2.995	-1	8.385	0	2100	43	2.2
3198.2	10000	38.3695	95.1576	-760	QAL	3.0	-1	8.8	-1	1.1	0	0.380	-1	2.931	-1	7.715	0	2098	51	2.2
3198.1	10000	38.3701	95.1576	-758	QAL	3.0	-1	8.8	-1	1.1	0	0.379	-1	2.881	-1	7.603	0	2095	48	2.2
3198.0	10000	38.3707	95.1576	-757	QAL	3.0	-1	8.8	-1	1.1	0	0.367	-1	2.814	-1	7.663	0	2087	46	2.2
3197.9	10000	38.3713	95.1576	-755	QAL	3.0	-1	8.8	-1	1.1	0	0.385	-1	2.814	-1	7.302	0	2092	51	2.2
3197.8	10000	38.3719	95.1576	-753	QAL	3.0	-1	8.8	-1	1.1	0	0.381	-1	2.756	-1	7.237	0	2090	57	2.2
3197.7	10000	38.3725	95.1576	-750	QAL	3.0	-1	8.8	-1	1.1	0	0.376	-1	2.807	-1	7.469	0	2089	47	2.1
3197.6	10000	38.3731	95.1576	-747	QAL	3.0	-1	8.8	-1	1.1	0	0.360	-1	2.721	-1	7.548	0	2093	40	2.1
3197.5	10000	38.3737	95.1576	-744	QAL	3.0	-1	8.8	-1	1.1	0	0.395	-1	3.038	-1	7.693	0	2096	46	2.1
3197.4	10000	38.3744	95.1576	-741	QAL	3.0	-1	8.8	-1	1.1	0	0.386	-1	3.009	-1	8.006	0	2097	45	2.1
3197.3	10000	38.3749	95.1576	-736	QAL	3.0	-1	8.8	-1	1.1	0	0.375	-1	3.076	-1	7.764	0	2135	44	2.1
3197.2	10000	38.3756	95.1576	-732	QAL	3.0	-1	8.8	-1	1.1	0	0.374	-1	3.248	-1	8.221	0	2151	46	2.1
3197.1	10000	38.3762	95.1576	-727	QAL	3.0	-1	8.8	-1	1.1	0	0.401	-1	3.174	-1	8.102	0	2173	47	2.1
3197.0	10000	38.3768	95.1576	-721	QAL	3.0	-1	8.8	-1	1.2	0	0.398	-1	3.174	-1	7.984	0	2187	36	2.1

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3196.9	10000	38.3774	95.1576	-717	QAL	3.9	2	9.5	0	1.2	0	0.411	1	3.195	1	7.777	0	2204	47	2.1
3196.8	10000	38.3780	95.1576	-712	QAL	3.7	1	10.0	1	1.3	0	0.375	1	2.981	1	7.951	0	2226	57	2.1
3196.7	10000	38.3786	95.1576	-708	QAL	3.9	2	9.7	0	1.3	0	0.399	1	2.980	1	7.466	0	2243	55	2.1
3196.6	10000	38.3792	95.1576	-704	QAL	3.7	1	10.3	1	1.2	0	0.359	0	2.965	1	8.249	0	2231	35	2.1
3196.5	10000	38.3798	95.1576	-701	QAL	3.5	1	10.5	1	1.2	0	0.330	0	2.853	0	8.633	1	2221	49	2.1
3196.4	10000	38.3804	95.1576	-698	QAL	3.3	0	10.8	1	1.2	0	0.304	-1	2.775	0	9.141	1	2217	44	2.1
3196.3	10000	38.3810	95.1576	-696	QAL	3.2	0	10.9	1	1.2	0	0.298	-1	2.732	0	9.180	1	2207	44	2.1
3196.2	10000	38.3817	95.1576	-694	QAL	3.1	0	10.7	1	1.2	0	0.290	-1	2.544	0	8.765	1	2189	38	2.1
3196.1	10000	38.3823	95.1575	-693	QAL	3.0	0	10.8	1	1.2	0	0.274	-1	2.523	0	9.221	1	2179	40	2.1
3196.0	10000	38.3829	95.1575	-693	QAL	2.8	-1	11.0	1	1.2	0	0.254	-1	2.346	0	9.241	1	2168	50	2.1
3195.9	10000	38.3835	95.1575	-694	QAL	3.0	0	10.4	1	1.2	0	0.286	-1	2.513	0	8.777	1	2157	43	2.1
3195.8	10000	38.3841	95.1575	-695	PKC	2.9	-1	10.4	1	1.2	0	0.284	-1	2.500	-1	8.804	0	2151	65	2.1
3195.7	10000	38.3847	95.1575	-697	PKC	2.9	-1	10.0	1	1.2	0	0.287	-1	2.430	-1	8.454	0	2145	33	2.1
3195.6	10000	38.3853	95.1575	-700	PKC	3.0	-1	10.1	1	1.2	1	0.295	-1	2.427	-1	8.221	0	2160	37	2.1
3195.5	10000	38.3859	95.1575	-703	PKC	3.0	-1	10.2	1	1.2	0	0.290	-1	2.498	-1	8.609	0	2164	47	2.1
3195.4	10000	38.3865	95.1575	-707	PKC	2.9	-1	9.9	0	1.2	1	0.292	-1	2.337	-1	8.002	0	2158	38	2.1
3195.3	10000	38.3871	95.1575	-710	PKC	3.1	0	9.8	1	1.2	0	0.319	-1	2.568	-1	8.046	0	2157	41	2.1
3195.2	10000	38.3877	95.1575	-713	PKC	3.5	0	9.2	0	1.2	0	0.381	0	2.917	0	7.649	-1	2160	33	2.1
3195.1	10000	38.3884	95.1575	-717	PKC	3.7	1	8.7	0	1.2	1	0.419	1	2.990	0	7.140	-1	2152	47	2.1
3195.0	10000	38.3890	95.1575	-720	PKC	3.7	1	8.5	-1	1.2	0	0.437	1	3.085	0	7.058	-1	2131	50	2.1
3194.9	10000	38.3897	95.1575	-724	PKC	3.4	0	8.2	-1	1.2	0	0.416	1	2.895	0	6.967	-1	2100	49	2.1
3194.8	10000	38.3904	95.1576	-729	PKC	3.4	0	8.1	-1	1.2	0	0.422	1	2.843	0	6.740	-1	2087	54	2.0
3194.7	10000	38.3911	95.1576	-732	PKC	3.6	1	8.0	-1	1.2	0	0.449	1	3.047	0	6.788	-1	2062	42	2.0
3194.6	10000	38.3917	95.1576	-736	PKC	3.5	0	7.9	-1	1.2	0	0.436	1	3.040	0	6.965	-1	2034	47	2.0
3194.5	10000	38.3924	95.1576	-740	PKC	3.1	0	8.2	-1	1.1	0	0.374	0	2.704	0	7.232	-1	2022	48	2.0
3194.4	10000	38.3931	95.1576	-744	PKC	2.8	-1	8.5	-1	1.1	0	0.327	-1	2.516	-1	7.681	-1	1988	46	2.0
3194.3	10000	38.3938	95.1576	-748	PKC	2.7	-1	8.6	-1	1.1	0	0.314	-1	2.423	-1	7.719	0	1966	41	2.0
3194.2	10000	38.3945	95.1577	-751	PKC	2.7	-1	8.8	0	1.1	0	0.309	-1	2.568	-1	8.310	0	1944	51	2.0
3194.1	10000	38.3951	95.1577	-755	PKC	2.6	-1	8.6	-1	1.1	0	0.304	-1	2.477	-1	8.141	0	1923	41	2.0
3194.0	10000	38.3958	95.1577	-759	PKC	2.5	-1	8.2	-1	1.1	0	0.301	-1	2.347	-1	7.791	0	1909	40	2.0
3193.9	10000	38.3965	95.1577	-762	PKC	2.5	-1	8.4	-1	1.0	0	0.294	-1	2.429	-1	8.257	0	1905	43	2.0
3193.8	10000	38.3972	95.1577	-765	PKC	2.4	-2	8.5	-1	1.0	0	0.284	-1	2.425	-1	8.545	0	1875	51	2.0
3193.7	10000	38.3979	95.1577	-767	PKC	2.4	-2	8.2	-1	1.0	0	0.291	-1	2.485	-1	8.536	0	1859	40	2.0
3193.6	10000	38.3985	95.1577	-770	PKC	2.4	-2	8.3	-1	1.0	0	0.294	-1	2.656	-1	9.021	0	1846	42	2.0
3193.5	10000	38.3992	95.1578	-771	PKC	2.6	-1	8.1	-1	1.0	0	0.316	-1	2.682	-1	8.491	0	1829	52	2.0
3193.4	10000	38.3999	95.1578	-773	PKC	2.7	-1	8.0	-1	1.0	0	0.337	-1	2.970	-1	8.823	0	1821	41	2.0
3193.3	10000	38.4006	95.1578	-774	PLP	2.9	-1	8.3	-1	1.0	0	0.333	-1	3.019	-1	9.064	0	1843	58	2.0
3193.2	10000	38.4012	95.1578	-774	PLP	2.9	-1	8.4	-1	1.0	0	0.347	-1	2.795	-1	8.044	0	1854	47	2.0
3193.1	10000	38.4019	95.1578	-774	PLP	2.9	-1	8.6	-1	1.0	0	0.345	-1	2.662	-1	7.714	-1	1897	48	2.0
3193.0	10000	38.4026	95.1578	-774	PLP	3.1	0	8.6	-1	1.1	0	0.360	-1	2.652	-1	7.366	-1	1938	40	2.0
3192.9	10000	38.4033	95.1579	-772	PLP	3.2	0	8.6	-1	1.1	0	0.365	-1	2.550	-1	6.991	-1	1971	39	2.0
3192.8	10000	38.4040	95.1579	-770	PLP	3.2	0	8.9	0	1.1	0	0.354	-1	2.576	-1	7.278	-1	2004	46	2.0
3192.7	10000	38.4046	95.1579	-768	PLP	3.2	0	8.9	0	1.1	0	0.331	-1	2.423	-1	7.332	-1	2034	54	2.0
3192.6	10000	38.4053	95.1579	-766	PLP	3.2	0	8.9	0	1.1	0	0.338	-1	2.491	-1	7.375	-1	2059	44	2.0
3192.5	10000	38.4060	95.1579	-763	PLP	3.2	0	8.9	0	1.1	0	0.323	-1	2.519	-1	7.801	-1	2084	50	2.0
3192.4	10000	38.4067	95.1579	-761	PLP	3.2	0	8.9	0	1.1	0	0.323	-1	2.559	-1	7.934	-1	2078	39	2.0
3192.3	10000	38.4074	95.1579	-757	PLP	3.2	0	8.9	0	1.1	0	0.330	-1	2.772	-1	8.413	-1	2070	60	2.0
3192.2	10000	38.4080	95.1580	-754	PLP	3.2	0	8.9	0	1.1	0	0.349	-1	3.058	-1	8.761	-1	2065	38	2.0
3192.1	10000	38.4087	95.1580	-751	PLP	3.2	0	8.9	0	1.1	0	0.358	-1	3.190	-1	8.911	-1	2046	40	2.0
3192.0	10000	38.4094	95.1580	-748	PLP	3.2	0	8.9	0	1.1	0	0.375	-1	3.399	-1	9.057	-1	2027	34	2.0
3191.9	10000	38.4101	95.1580	-744	PLP	3.2	0	8.9	0	1.1	0	0.377	-1	3.521	-1	9.342	-1	2012	43	2.0
3191.8	10000	38.4107	95.1580	-740	PLP	3.2	0	8.9	0	1.1	0	0.396	-1	3.749	-1	9.470	-1	2014	53	1.9

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3191.7	10000	38.4114	95.1580	-734	PLP	3.8	1	9.6	0	1.0	-1	0.400	1	3.874	2	9.692	1	2053	48	1.9
3191.6	10000	38.4121	95.1581	-729	PLP	3.9	2	9.7	0	1.0	-1	0.403	1	3.811	2	9.464	1	2107	58	1.9
3191.5	10000	38.4128	95.1581	-724	PLP	3.7	1	10.0	0	1.1	0	0.367	1	3.439	1	9.367	1	2149	47	1.9
3191.4	10000	38.4135	95.1581	-718	PLP	3.6	1	10.3	1	1.2	0	0.351	0	3.081	0	8.788	0	2201	46	1.9
3191.3	10000	38.4141	95.1581	-712	PLP	3.5	1	10.5	1	1.2	0	0.330	0	2.851	0	8.637	0	2236	44	1.9
3191.2	10000	38.4148	95.1581	-706	PLP	3.5	1	10.7	1	1.2	0	0.332	0	2.913	0	8.780	0	2244	39	1.9
3191.1	10000	38.4155	95.1581	-699	PLP	3.3	0	10.8	1	1.2	1	0.307	-1	2.652	0	8.649	0	2235	50	1.9
3191.0	10000	38.4162	95.1581	-691	PLP	3.3	0	10.9	1	1.2	0	0.305	-1	2.748	0	9.002	0	2214	35	1.9
3190.9	10000	38.4168	95.1582	-684	PLP	3.3	0	11.0	1	1.2	0	0.298	-1	2.765	0	9.286	1	2196	50	1.9
3190.8	10000	38.4175	95.1582	-678	PLP	3.4	1	10.8	1	1.2	0	0.319	0	2.933	0	9.206	1	2205	55	1.9
3190.7	10000	38.4182	95.1582	-672	PLP	3.7	1	10.6	1	1.2	0	0.349	0	3.188	1	9.133	0	2216	49	1.9
3190.6	10000	38.4189	95.1582	-666	PLP	3.8	1	10.5	1	1.1	0	0.359	0	3.310	1	9.210	0	2231	46	1.9
3190.5	10000	38.4196	95.1582	-662	PLP	3.5	1	10.3	1	1.2	0	0.341	0	2.958	0	8.671	0	2244	44	1.9
3190.4	10000	38.4202	95.1582	-658	PLP	3.6	1	10.3	1	1.2	0	0.349	0	3.059	0	8.774	0	2246	42	1.9
3190.3	10000	38.4209	95.1582	-656	PLP	3.5	1	10.0	1	1.2	0	0.346	0	2.845	0	8.230	0	2241	53	1.9
3190.2	10000	38.4216	95.1583	-655	PKC	3.3	0	9.7	1	1.2	1	0.346	0	2.701	0	7.816	0	2210	49	1.9
3190.1	10000	38.4223	95.1583	-654	PKC	3.1	0	9.3	1	1.2	0	0.334	0	2.576	-1	7.717	0	2154	37	1.9
3190.0	10000	38.4230	95.1583	-655	PKC	2.9	-1	9.2	1	1.2	0	0.318	-1	2.512	-1	7.890	0	2112	46	1.9
3189.9	10000	38.4236	95.1583	-657	PKC	3.0	-1	9.3	1	1.2	0	0.319	-1	2.556	-1	8.020	0	2071	43	1.9
3189.8	10000	38.4243	95.1583	-659	PKC	3.0	-1	9.0	1	1.1	0	0.329	0	2.705	0	8.224	0	2037	47	1.9
3189.7	10000	38.4250	95.1583	-662	PKC	3.0	-1	9.0	1	1.2	0	0.329	0	2.564	-1	7.801	0	2020	49	1.9
3189.6	10000	38.4257	95.1584	-664	PKC	3.0	-1	9.7	1	1.1	0	0.340	0	2.608	-1	7.664	-1	2009	49	1.9
3189.5	10000	38.4263	95.1584	-668	PKC	2.8	-1	8.9	1	1.2	0	0.316	-1	2.413	-1	7.642	-1	2011	45	1.9
3189.4	10000	38.4270	95.1584	-671	PKC	2.9	-1	9.4	1	1.2	0	0.312	-1	2.440	-1	7.818	0	2042	37	1.8
3189.3	10000	38.4277	95.1584	-675	PKC	3.1	0	9.7	1	1.2	1	0.316	-1	2.559	-1	8.092	0	2082	37	1.8
3189.2	10000	38.4284	95.1584	-677	PKC	3.0	0	10.1	1	1.3	1	0.300	-1	2.439	-1	8.135	0	2118	57	1.8
3189.1	10000	38.4290	95.1584	-679	PLP	2.8	0	10.4	1	1.3	1	0.291	-1	2.313	-1	7.952	0	2152	46	1.8
3189.0	10000	38.4297	95.1584	-682	PLP	2.8	-1	10.6	1	1.3	1	0.266	-1	2.211	-1	8.323	0	2161	39	1.8
3188.9	10000	38.4304	95.1585	-684	PLP	2.9	-1	11.0	1	1.3	1	0.267	-1	2.335	-1	8.748	0	2182	53	1.8
3188.8	10000	38.4311	95.1585	-684	PLP	2.9	-1	11.0	1	1.3	1	0.270	-1	2.381	-1	8.826	0	2209	59	1.8
3188.7	10000	38.4318	95.1585	-684	PLP	2.8	-1	11.1	1	1.3	1	0.249	-2	2.114	-1	8.487	0	2221	54	1.8
3188.6	10000	38.4324	95.1585	-684	PLP	2.7	-2	11.1	1	1.4	1	0.237	-2	1.904	-2	8.035	0	2244	51	1.8
3188.5	10000	38.4331	95.1585	-683	PLP	2.5	-2	11.1	1	1.4	1	0.225	-2	1.805	-2	8.023	0	2268	27	1.8
3188.4	10000	38.4338	95.1585	-682	PLP	2.4	-2	11.1	1	1.4	1	0.208	-2	1.694	-2	8.136	0	2292	46	1.8
3188.3	10000	38.4345	95.1586	-680	PLP	2.9	-1	11.1	1	1.4	1	0.250	-2	2.075	-1	8.309	0	2335	43	1.8
3188.2	10000	38.4352	95.1586	-679	PLP	2.7	-1	11.1	1	1.4	1	0.235	-2	1.923	-1	8.176	0	2355	48	1.8
3188.1	10000	38.4358	95.1586	-678	PLP	2.9	-1	11.1	1	1.4	1	0.245	-2	1.982	-1	8.094	0	2377	43	1.8
3188.0	10000	38.4365	95.1586	-676	PLP	3.1	-1	11.1	1	1.4	1	0.262	-1	2.157	-1	8.225	0	2384	49	1.8
3187.9	10000	38.4372	95.1586	-675	PLP	3.3	-1	11.1	1	1.4	1	0.277	-1	2.408	-1	8.706	0	2365	34	1.8
3187.8	10000	38.4379	95.1586	-674	PLP	3.3	-1	11.1	1	1.4	1	0.283	-1	2.465	-1	8.709	0	2331	49	1.8
3187.7	10000	38.4386	95.1586	-673	PLP	3.4	-1	11.1	1	1.4	1	0.303	-1	2.653	-1	8.745	0	2290	45	1.8
3187.6	10000	38.4392	95.1587	-672	PLP	3.3	-1	11.1	1	1.4	1	0.300	-1	2.465	-1	8.205	0	2254	41	1.8
3187.5	10000	38.4399	95.1587	-671	PLP	3.2	-1	11.1	1	1.4	1	0.288	-1	2.350	-1	8.172	0	2230	43	1.8
3187.4	10000	38.4406	95.1587	-671	PLP	3.1	-1	11.1	1	1.4	1	0.295	-1	2.326	-1	7.894	0	2187	42	1.8
3187.3	10000	38.4413	95.1587	-670	PLP	3.0	-1	11.1	1	1.4	1	0.293	-1	2.338	-1	7.974	0	2153	48	1.7
3187.2	10000	38.4419	95.1587	-668	PLP	2.8	-1	11.1	1	1.4	1	0.283	-1	2.231	-1	7.887	0	2117	46	1.7
3187.1	10000	38.4426	95.1587	-667	PLP	2.8	-1	10.9	1	1.4	1	0.315	-1	2.352	-1	7.597	0	2117	39	1.7
3187.0	10000	38.4433	95.1588	-665	PLP	2.9	-1	10.9	1	1.4	1	0.296	-1	2.512	-1	7.970	0	2108	43	1.7
3186.9	10000	38.4440	95.1588	-663	PLP	2.9	-1	10.8	1	1.4	1	0.342	-1	2.394	-1	8.077	0	2100	41	1.7
3186.8	10000	38.4446	95.1588	-659	PLP	2.9	-1	10.8	1	1.4	1	0.341	-1	2.704	-1	7.918	0	2069	47	1.7
3186.7	10000	38.4453	95.1588	-656	PLP	2.9	-1	10.8	1	1.4	1	0.372	-1	2.779	-1	8.151	0	2056	38	1.7
3186.6	10000	38.4460	95.1588	-654	PLP	3.3	-1	10.8	1	1.4	1	0.372	-1	2.862	-1	7.683	-1	2052	52	1.7

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3186.5	10000	38.4467	95.1588	-654	PKC	3.4	0	9.2	0	1.2	0	0.372	0	2.824	0	7.589	-1	2056	59	1.7
3186.4	10000	38.4474	95.1588	-652	PKC	3.7	1	9.6	0	1.2	0	0.381	0	3.042	0	7.976	0	2051	47	1.7
3186.3	10000	38.4480	95.1589	-648	PKC	3.7	1	9.3	0	1.3	1	0.400	1	2.913	0	7.281	-1	2065	48	1.7
3186.2	10000	38.4487	95.1589	-645	PKC	3.9	1	9.2	0	1.3	1	0.427	1	3.105	0	7.276	-1	2088	29	1.7
3186.1	10000	38.4494	95.1589	-642	PKC	4.0	1	9.4	0	1.3	1	0.427	1	3.090	0	7.231	-1	2136	42	1.7
3186.0	10000	38.4501	95.1589	-641	PKC	4.1	1	10.0	1	1.3	1	0.412	1	3.149	0	7.642	-1	2165	44	1.7
3185.9	10000	38.4508	95.1589	-640	PKC	4.0	1	10.4	1	1.3	1	0.385	0	3.105	0	8.066	0	2180	53	1.7
3185.8	10000	38.4514	95.1589	-638	PKC	3.7	1	10.3	1	1.3	1	0.363	0	2.953	0	8.131	0	2193	35	1.7
3185.7	10000	38.4521	95.1590	-636	PKC	3.4	0	10.1	1	1.3	1	0.340	0	2.670	0	7.855	0	2206	42	1.7
3185.6	10000	38.4528	95.1590	-635	PKC	3.4	0	10.2	1	1.3	1	0.329	0	2.617	-1	7.957	0	2228	50	1.7
3185.5	10000	38.4535	95.1590	-634	PKC	3.1	0	10.3	1	1.2	1	0.299	-1	2.491	-1	8.329	0	2204	49	1.7
3185.4	10000	38.4542	95.1590	-633	PKC	2.9	-1	10.4	1	1.2	1	0.285	-1	2.377	-1	8.343	0	2182	43	1.7
3185.3	10000	38.4548	95.1590	-632	PKC	3.0	0	10.0	1	1.3	1	0.302	-1	2.374	-1	7.850	0	2167	43	1.7
3185.2	10000	38.4555	95.1590	-631	PKC	3.0	-1	10.0	1	1.3	1	0.302	-1	2.369	-1	7.847	0	2165	40	1.7
3185.1	10000	38.4562	95.1590	-630	PKC	3.3	0	9.9	0	1.2	0	0.330	0	2.661	0	8.068	0	2139	49	1.6
3185.0	10000	38.4569	95.1591	-629	PKC	3.4	0	10.0	1	1.2	0	0.342	0	2.801	0	8.200	0	2111	42	1.6
3184.9	10000	38.4575	95.1591	-628	PKC	3.5	0	10.0	1	1.2	0	0.352	0	2.984	0	8.472	0	2071	41	1.6
3184.8	10000	38.4582	95.1591	-628	PKC	3.5	0	10.0	1	1.2	0	0.345	0	2.938	0	8.520	0	2061	55	1.6
3184.7	10000	38.4589	95.1591	-628	PKC	3.5	0	10.3	1	1.1	0	0.346	0	3.129	0	9.042	1	2055	32	1.6
3184.6	10000	38.4596	95.1591	-628	PKC	3.8	1	10.1	1	1.1	0	0.374	0	3.547	1	9.489	1	2038	43	1.6
3184.5	10000	38.4603	95.1591	-628	PKC	3.9	1	9.8	0	1.0	-1	0.400	1	3.761	1	9.406	1	2024	55	1.6
3184.4	10000	38.4609	95.1591	-628	PKC	4.0	1	9.7	0	1.0	-1	0.411	1	3.859	1	9.392	1	2027	51	1.6
3184.3	10000	38.4616	95.1592	-628	PKC	3.9	1	9.3	0	1.0	-1	0.427	1	3.916	1	9.165	1	2023	49	1.6
3184.2	10000	38.4623	95.1592	-629	PKC	3.9	1	9.4	0	1.0	-1	0.411	1	3.899	1	9.495	1	2037	51	1.6
3184.1	10000	38.4630	95.1592	-629	PKC	3.9	1	9.3	0	1.0	-1	0.421	1	3.919	1	9.318	1	2051	47	1.6
3184.0	10000	38.4636	95.1592	-629	PKC	3.7	1	9.5	0	1.0	-1	0.390	0	3.550	1	9.096	1	2051	44	1.6
3183.9	10000	38.4643	95.1592	-629	PKC	3.3	1	9.5	0	1.0	-1	0.348	0	3.158	1	9.073	1	2055	36	1.6
3183.8	10000	38.4650	95.1592	-629	PKC	3.3	1	9.5	0	1.1	-1	0.349	0	3.104	1	8.905	1	2070	44	1.6
3183.7	10000	38.4657	95.1593	-630	PKC	3.2	1	9.8	0	1.1	-1	0.327	0	2.837	1	8.671	1	2087	48	1.6
3183.6	10000	38.4664	95.1593	-630	PKC	3.1	1	9.9	0	1.1	-1	0.314	0	2.734	1	8.706	1	2126	51	1.6
3183.5	10000	38.4670	95.1593	-630	PKC	3.1	1	9.7	0	1.2	-1	0.305	0	2.606	1	8.544	1	2134	45	1.6
3183.4	10000	38.4677	95.1593	-629	PKC	3.3	1	9.5	0	1.2	-1	0.332	0	2.831	1	8.515	1	2139	58	1.6
3183.3	10000	38.4684	95.1593	-629	PKC	3.5	1	9.7	0	1.2	-1	0.362	0	3.037	1	8.385	1	2132	54	1.6
3183.2	10000	38.4691	95.1593	-629	PKC	3.5	1	9.5	0	1.2	-1	0.362	0	2.899	1	8.002	1	2148	46	1.6
3183.1	10000	38.4697	95.1594	-629	PKC	3.4	1	9.1	0	1.2	-1	0.334	0	2.886	1	8.652	1	2136	42	1.6
3183.0	10000	38.4704	95.1594	-629	PKC	3.5	1	9.1	0	1.2	-1	0.347	0	3.049	1	8.785	1	2138	45	1.6
3182.9	10000	38.4711	95.1594	-628	PKC	3.4	1	9.0	0	1.2	-1	0.338	0	2.937	1	8.694	1	2122	55	1.6
3182.8	10000	38.4718	95.1594	-628	PKC	3.4	1	9.2	0	1.2	-1	0.345	0	2.950	1	8.545	1	2134	38	1.6
3182.7	10000	38.4725	95.1594	-627	PKC	3.4	1	9.2	0	1.2	-1	0.345	0	2.981	1	8.763	1	2138	40	1.6
3182.6	10000	38.4731	95.1594	-628	PKC	3.3	1	9.2	0	1.2	-1	0.335	0	3.014	1	8.662	1	2142	46	1.6
3182.5	10000	38.4738	95.1595	-627	PKC	3.3	1	9.2	0	1.2	-1	0.335	0	3.094	1	8.888	1	2111	37	1.6
3182.4	10000	38.4745	95.1595	-628	PKC	3.3	1	9.2	0	1.2	-1	0.335	0	3.746	1	8.190	1	2094	41	1.6
3182.3	10000	38.4752	95.1595	-628	PLP	3.3	1	9.2	0	1.2	-1	0.335	0	3.536	1	8.025	1	2062	52	1.6
3182.2	10000	38.4758	95.1595	-628	PLP	3.3	1	9.2	0	1.2	-1	0.335	0	3.636	1	8.986	1	2038	53	1.6
3182.1	10000	38.4765	95.1595	-629	PLP	3.3	1	9.2	0	1.2	-1	0.335	0	3.673	1	9.007	1	2003	51	1.6
3182.0	10000	38.4772	95.1595	-630	PLP	3.3	1	9.2	0	1.2	-1	0.335	0	3.497	1	8.775	1	2009	49	1.6
3181.9	10000	38.4779	95.1595	-632	PLP	3.3	1	9.2	0	1.2	-1	0.335	0	3.424	1	8.674	1	2035	40	1.6
3181.8	10000	38.4786	95.1596	-635	PLP	3.3	1	9.2	0	1.2	-1	0.335	0	3.668	1	8.313	1	2025	46	1.6
3181.7	10000	38.4792	95.1596	-637	PLP	3.3	1	9.2	0	1.2	-1	0.335	0	3.778	1	8.093	1	2028	37	1.6
3181.6	10000	38.4799	95.1596	-640	PLP	3.3	1	9.2	0	1.2	-1	0.335	0	3.940	1	8.088	1	2021	41	1.6
3181.5	10000	38.4806	95.1596	-642	PLP	3.3	1	9.2	0	1.2	-1	0.335	0	3.842	1	8.199	1	2216	52	1.6
3181.4	10000	38.4813	95.1596	-646	PLP	3.3	1	9.2	0	1.2	-1	0.335	0	3.787	1	8.199	1	2221	50	1.6

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3181.3	10000	38.4820	95.1596	-649	PD	3.5	1	11.5	2	1.2	1	0.305	-1	2.889	0	9.467	0	2232	53	1.6
3181.2	10000	38.4826	95.1597	-653	PD	3.7	1	11.8	2	1.2	1	0.312	0	2.946	0	9.432	0	2230	43	1.6
3181.1	10000	38.4833	95.1597	-656	PD	3.4	1	11.6	2	1.3	1	0.294	-1	2.723	0	9.259	0	2220	47	1.6
3181.0	10000	38.4840	95.1597	-661	PD	3.8	1	11.3	2	1.2	1	0.333	0	3.047	0	9.152	0	2210	52	1.6
3180.9	10000	38.4847	95.1597	-666	PD	3.7	1	11.4	2	1.3	1	0.322	0	2.936	0	9.131	0	2214	40	1.6
3180.8	10000	38.4853	95.1597	-671	PD	3.6	1	11.4	1	1.3	1	0.317	0	2.853	0	9.001	0	2215	50	1.6
3180.7	10000	38.4860	95.1597	-675	PD	3.8	1	11.3	1	1.3	1	0.335	0	2.978	0	8.881	0	2218	54	1.6
3180.6	10000	38.4867	95.1597	-678	PD	3.7	1	11.2	1	1.3	1	0.333	0	2.873	0	8.622	0	2231	50	1.6
3180.5	10000	38.4874	95.1598	-680	PD	3.5	1	11.2	1	1.3	1	0.313	0	2.774	0	8.870	0	2231	50	1.6
3180.4	10000	38.4881	95.1598	-682	PD	3.6	1	11.2	1	1.3	1	0.325	0	2.834	0	8.706	0	2230	47	1.6
3180.3	10000	38.4887	95.1598	-683	PD	3.5	1	11.5	2	1.3	1	0.305	-1	2.696	0	8.852	0	2237	57	1.6
3180.2	10000	38.4894	95.1598	-685	PD	3.8	1	11.7	2	1.3	1	0.322	0	2.886	0	8.971	0	2252	38	1.6
3180.1	10000	38.4901	95.1598	-688	PD	3.8	1	11.7	2	1.3	1	0.327	0	3.011	0	9.215	0	2241	51	1.6
3180.0	10000	38.4908	95.1598	-689	PD	3.8	1	11.5	2	1.3	1	0.333	0	2.912	0	8.742	0	2226	41	1.6
3179.9	10000	38.4914	95.1599	-690	PLP	3.7	1	11.3	2	1.3	1	0.328	0	2.865	0	8.736	0	2214	38	1.6
3179.8	10000	38.4921	95.1599	-691	PLP	3.8	1	11.3	2	1.3	1	0.334	0	2.920	0	8.748	0	2210	31	1.6
3179.7	10000	38.4928	95.1599	-691	PLP	3.7	1	10.9	1	1.3	1	0.338	0	2.839	0	8.404	0	2206	38	1.6
3179.6	10000	38.4934	95.1599	-692	PLP	3.8	1	10.6	1	1.3	1	0.362	0	2.969	0	8.207	0	2200	47	1.6
3179.5	10000	38.4941	95.1599	-693	PLP	3.8	1	10.6	1	1.3	1	0.356	0	2.901	0	8.143	0	2192	45	1.6
3179.4	10000	38.4947	95.1599	-693	PLP	3.8	1	10.5	1	1.3	1	0.361	0	2.961	0	8.201	0	2182	50	1.6
3179.3	10000	38.4954	95.1599	-694	PLP	3.4	1	10.5	1	1.2	1	0.330	0	2.794	0	8.474	0	2168	48	1.6
3179.2	10000	38.4960	95.1599	-694	PLP	3.6	1	10.4	1	1.2	1	0.343	0	2.957	0	8.614	0	2148	57	1.6
3179.1	10000	38.4967	95.1600	-696	PLP	3.4	0	10.0	1	1.2	1	0.336	0	2.777	0	8.264	0	2118	54	1.6
3179.0	10000	38.4973	95.1600	-696	PLP	3.2	0	9.7	1	1.2	1	0.325	0	2.700	0	8.302	0	2097	53	1.6
3178.9	10000	38.4980	95.1600	-698	PLP	3.0	0	9.9	1	1.2	1	0.304	-1	2.576	0	8.462	0	2073	51	1.6
3178.8	10000	38.4986	95.1600	-699	PLP	2.7	-1	9.7	0	1.1	1	0.280	-1	2.453	-1	8.760	0	2045	55	1.6
3178.7	10000	38.4993	95.1600	-700	PLP	2.9	-1	9.4	0	1.1	1	0.303	-1	2.672	0	8.825	0	2038	60	1.5
3178.6	10000	38.4999	95.1600	-701	PLP	3.0	-1	9.8	0	1.1	1	0.302	-1	2.796	0	9.261	1	2042	44	1.5
3178.5	10000	38.5005	95.1600	-703	PLP	2.7	-1	9.9	0	1.1	0	0.277	-1	2.502	-1	9.031	0	2037	42	1.5
3178.4	10000	38.5012	95.1601	-704	PLP	2.7	-1	10.1	0	1.1	0	0.272	-1	2.460	-1	9.038	0	2041	44	1.5
3178.3	10000	38.5018	95.1601	-706	PLP	2.7	-1	10.1	0	1.1	0	0.270	-1	2.395	-1	8.877	0	2034	49	1.5
3178.2	10000	38.5025	95.1601	-707	PLP	2.6	-1	9.9	0	1.1	0	0.258	-1	2.271	-1	8.813	0	2036	37	1.5
3178.1	10000	38.5031	95.1601	-707	PLP	2.5	-2	9.7	0	1.2	0	0.253	-1	2.154	-1	8.517	0	2034	44	1.5
3178.0	10000	38.5038	95.1601	-708	PLP	2.2	-2	9.1	0	1.2	0	0.220	-2	1.861	-2	8.441	0	2037	50	1.5
3177.9	10000	38.5044	95.1601	-707	PLP	2.4	-2	9.7	0	1.2	0	0.246	-1	1.987	-1	8.081	0	2043	46	1.5
3177.8	10000	38.5051	95.1601	-707	PLP	2.5	-1	9.7	0	1.2	0	0.255	-1	2.069	-1	8.101	0	2055	47	1.5
3177.7	10000	38.5057	95.1602	-709	PLP	2.7	-1	9.6	0	1.2	0	0.285	-1	2.312	-1	8.122	0	2064	39	1.5
3177.6	10000	38.5064	95.1602	-711	PLP	2.8	-1	9.6	0	1.2	0	0.295	-1	2.343	-1	7.941	0	2072	56	1.5
3177.5	10000	38.5070	95.1602	-712	PD	2.6	-1	9.4	0	1.2	0	0.279	-1	2.164	-1	7.769	-1	2066	50	1.5
3177.4	10000	38.5077	95.1602	-712	PD	2.9	-1	9.3	0	1.2	0	0.307	-1	2.365	-1	7.690	-1	2070	55	1.5
3177.3	10000	38.5083	95.1602	-712	PD	3.0	-1	9.3	0	1.2	0	0.334	-1	2.478	-1	7.426	-1	2074	46	1.5
3177.2	10000	38.5090	95.1602	-712	PD	3.1	-1	9.2	0	1.3	0	0.343	-1	2.509	-1	7.556	-1	2064	53	1.5
3177.1	10000	38.5096	95.1602	-711	PD	3.0	-1	9.1	0	1.3	0	0.331	-1	2.565	-1	7.470	-1	2042	57	1.5
3177.0	10000	38.5103	95.1602	-710	PD	3.0	-1	9.0	0	1.3	0	0.332	-1	2.286	-1	7.189	-1	2035	50	1.5
3176.9	10000	38.5109	95.1603	-709	PD	2.9	-1	9.0	0	1.3	0	0.322	-1	2.401	-1	7.428	-1	2029	53	1.5
3176.8	10000	38.5116	95.1603	-710	PD	2.9	-1	9.0	0	1.3	0	0.337	-1	2.648	-1	7.109	-1	2039	45	1.5
3176.7	10000	38.5122	95.1603	-710	PD	2.9	-1	9.0	0	1.3	0	0.337	-1	2.630	-1	6.884	-1	2039	46	1.5
3176.6	10000	38.5129	95.1603	-709	PD	2.9	-1	9.0	0	1.3	0	0.337	-1	2.254	-1	6.679	-2	2045	45	1.5
3176.5	10000	38.5135	95.1603	-708	PD	2.9	-1	9.0	0	1.3	0	0.342	-1	2.261	-1	6.614	-2	2072	49	1.5
3176.4	10000	38.5142	95.1603	-707	PD	2.9	-1	9.0	0	1.3	0	0.335	-1	2.305	-1	6.989	-1	2108	53	1.5
3176.3	10000	38.5148	95.1604	-705	PD	2.9	-1	9.0	0	1.3	0	0.326	-1	2.507	-1	7.143	-1	2135	59	1.5
3176.2	10000	38.5155	95.1604	-703	PD	2.9	-1	9.0	0	1.3	0	0.326	-1	2.305	-1	7.074	-1	2144	42	1.5

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3176.1	10000	38.5161	95.1604	-701	PD	3.0	0	9.7	0	1.3	1	0.312	0	2.320	-1	7.433	-1	2158	41	1.5
3176.0	10000	38.5168	95.1604	-700	PD	3.2	0	10.3	1	1.3	1	0.308	0	2.431	-1	7.897	-1	2165	50	1.5
3175.9	10000	38.5174	95.1604	-698	PD	3.5	1	10.3	1	1.3	1	0.345	0	2.742	0	7.951	-1	2168	49	1.5
3175.8	10000	38.5180	95.1604	-697	PD	3.4	1	10.4	1	1.3	1	0.330	0	2.615	-1	7.915	-1	2164	45	1.5
3175.7	10000	38.5187	95.1604	-695	PD	3.5	1	10.4	1	1.3	1	0.337	0	2.687	0	7.982	-1	2163	49	1.5
3175.6	10000	38.5193	95.1604	-693	PD	3.5	1	10.3	1	1.2	1	0.341	0	2.881	0	8.458	0	2141	37	1.5
3175.5	10000	38.5200	95.1605	-691	PD	3.9	1	10.3	1	1.2	1	0.374	1	3.333	0	8.911	0	2144	47	1.5
3175.4	10000	38.5206	95.1605	-689	PD	3.7	1	10.5	1	1.2	1	0.351	0	3.205	0	9.137	0	2143	55	1.5
3175.3	10000	38.5213	95.1605	-687	PD	3.5	1	10.7	1	1.2	1	0.329	0	3.033	0	9.219	0	2158	48	1.5
3175.2	10000	38.5219	95.1605	-686	PD	3.6	1	11.1	1	1.1	1	0.326	0	3.181	0	9.743	1	2173	45	1.5
3175.1	10000	38.5226	95.1605	-684	PD	3.6	1	11.1	1	1.2	1	0.328	0	3.132	0	9.559	0	2183	48	1.5
3175.0	10000	38.5232	95.1605	-683	PD	3.6	1	10.9	1	1.2	1	0.329	0	3.021	0	9.189	0	2185	51	1.5
3174.9	10000	38.5239	95.1606	-681	PD	3.5	1	11.5	2	1.3	1	0.301	-1	2.745	0	9.128	0	2203	45	1.5
3174.8	10000	38.5245	95.1606	-680	PD	3.2	0	11.4	2	1.3	1	0.278	-1	2.375	-1	8.536	0	2210	42	1.5
3174.7	10000	38.5252	95.1606	-679	PD	3.2	0	11.0	1	1.4	2	0.288	-1	2.317	-1	8.050	-1	2195	57	1.5
3174.6	10000	38.5258	95.1606	-677	PD	3.3	0	10.9	1	1.4	1	0.304	-1	2.447	-1	8.053	-1	2183	46	1.5
3174.5	10000	38.5265	95.1606	-676	PD	3.0	0	10.7	1	1.3	1	0.282	-1	2.248	-1	7.969	-1	2165	42	1.5
3174.4	10000	38.5271	95.1606	-675	PLP	3.3	0	10.7	1	1.3	1	0.306	-1	2.585	0	8.440	0	2141	48	1.5
3174.3	10000	38.5278	95.1606	-673	PLP	3.4	0	10.7	1	1.3	1	0.314	0	2.653	0	8.446	0	2123	53	1.4
3174.2	10000	38.5284	95.1606	-672	PLP	3.5	1	10.1	1	1.2	1	0.342	0	2.857	0	8.366	0	2120	50	1.4
3174.1	10000	38.5291	95.1607	-671	PLP	3.5	1	10.2	1	1.1	1	0.348	0	3.100	0	8.900	0	2114	42	1.4
3174.0	10000	38.5297	95.1607	-670	PLP	3.6	1	10.1	0	1.2	0	0.354	0	3.119	0	8.801	0	2121	34	1.4
3173.9	10000	38.5304	95.1607	-669	PLP	3.5	1	9.9	0	1.2	0	0.352	0	2.948	0	8.372	0	2110	49	1.4
3173.8	10000	38.5310	95.1607	-669	PLP	3.4	1	9.5	0	1.2	0	0.359	0	2.836	0	7.903	0	2084	49	1.4
3173.7	10000	38.5317	95.1607	-668	PLP	3.1	0	9.5	0	1.2	0	0.323	-1	2.519	-1	7.807	-1	2073	41	1.4
3173.6	10000	38.5323	95.1607	-668	PLP	3.5	1	9.2	0	1.2	1	0.380	1	2.911	0	7.670	-1	2046	52	1.4
3173.5	10000	38.5329	95.1607	-667	PLP	3.4	1	8.7	-1	1.1	1	0.388	1	2.943	0	7.596	-1	2020	52	1.4
3173.4	10000	38.5336	95.1608	-667	PLP	3.4	1	9.1	-1	1.1	1	0.373	1	3.029	0	8.118	0	1994	40	1.4
3173.3	10000	38.5342	95.1608	-667	PLP	3.5	1	9.1	0	1.1	-1	0.381	1	3.298	1	8.652	0	1971	36	1.4
3173.2	10000	38.5349	95.1608	-667	PLP	3.7	1	9.0	0	1.1	1	0.380	1	3.366	1	8.858	0	1953	49	1.4
3173.1	10000	38.5355	95.1608	-668	PKC	3.7	1	8.9	0	1.1	1	0.397	1	3.794	1	9.566	1	1951	34	1.4
3173.0	10000	38.5362	95.1608	-669	PKC	3.8	1	8.8	0	1.1	1	0.411	1	3.786	1	9.204	1	1931	37	1.4
3172.9	10000	38.5368	95.1608	-669	PKC	3.7	1	8.8	0	1.1	1	0.309	1	2.806	0	9.083	1	1933	44	1.4
3172.8	10000	38.5375	95.1609	-670	PKC	3.7	1	8.8	0	1.1	1	0.303	1	2.622	0	8.641	1	1904	56	1.4
3172.7	10000	38.5381	95.1609	-672	PKC	3.7	1	8.9	0	1.1	1	0.350	1	2.595	0	7.410	0	1878	48	1.4
3172.6	10000	38.5388	95.1609	-673	PKC	3.8	1	8.8	0	1.1	1	0.341	1	2.537	0	7.440	0	1869	42	1.4
3172.5	10000	38.5394	95.1609	-674	PKC	3.8	1	8.8	0	1.1	1	0.366	1	2.488	0	7.794	0	1863	43	1.4
3172.4	10000	38.5401	95.1609	-676	PKC	3.8	1	8.8	0	1.1	1	0.348	1	2.436	0	7.003	0	1851	29	1.4
3172.3	10000	38.5407	95.1609	-678	PKC	3.8	1	8.8	0	1.1	1	0.344	1	2.344	0	6.804	0	1865	40	1.4
3172.2	10000	38.5414	95.1609	-679	PKC	3.8	1	8.8	0	1.1	1	0.380	1	2.657	0	6.986	0	1876	40	1.4
3172.1	10000	38.5420	95.1609	-681	PKC	3.8	1	8.8	0	1.1	1	0.348	1	2.612	0	6.988	0	1929	45	1.4
3172.0	10000	38.5427	95.1610	-683	PKC	3.8	1	8.8	0	1.1	1	0.299	1	2.512	0	7.399	0	1980	41	1.4
3171.9	10000	38.5433	95.1610	-685	PKC	3.8	1	8.8	0	1.1	1	0.284	1	2.316	0	7.148	0	2016	40	1.4
3171.8	10000	38.5440	95.1610	-687	PKC	3.8	1	8.8	0	1.1	1	0.273	1	2.405	0	7.811	0	2055	36	1.4
3171.7	10000	38.5446	95.1610	-689	PKC	3.8	1	8.8	0	1.1	1	0.289	1	2.446	0	8.459	0	2078	39	1.4
3171.6	10000	38.5452	95.1610	-690	PKC	3.8	1	8.8	0	1.1	1	0.284	1	2.460	0	8.676	0	2074	45	1.4
3171.5	10000	38.5459	95.1610	-691	PKC	3.8	1	8.8	0	1.1	1	0.269	1	2.436	0	8.055	0	2062	43	1.4
3171.4	10000	38.5465	95.1610	-693	PKC	3.8	1	8.8	0	1.1	1	0.289	1	2.461	0	8.511	0	2026	39	1.4
3171.3	10000	38.5472	95.1611	-694	PKC	3.8	1	8.8	0	1.1	1	0.299	1	2.448	0	8.189	0	1978	45	1.4
3171.2	10000	38.5478	95.1611	-694	PKC	3.8	1	8.8	0	1.1	1	0.317	1	2.614	0	8.235	0	1931	43	1.4
3171.1	10000	38.5485	95.1611	-694	PKC	3.8	1	8.8	0	1.1	1	0.305	1	2.540	0	8.336	0	1880	39	1.4
3171.0	10000	38.5491	95.1611	-695	PKC	3.7	1	8.8	0	1.1	1	0.304	1	2.422	0	7.974	0	1854	36	1.4

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3170.9	10000	38.5498	95.1611	-695	PKC	2.7	-1	9.0	0	1.1	0	0.305	-1	2.464	-1	8.080	0	1847	36	1.4
3170.8	10000	38.5504	95.1611	-694	PKC	2.9	-1	8.6	-1	1.2	0	0.343	0	2.528	-1	7.378	-1	1848	44	1.4
3170.7	10000	38.5511	95.1611	-694	QAL	2.8	-1	8.5	-1	1.1	0	0.324	0	2.446	0	7.537	0	1846	56	1.4
3170.6	10000	38.5517	95.1611	-694	QAL	3.0	0	8.2	-1	1.2	0	0.368	0	2.554	0	6.933	0	1857	44	1.4
3170.5	10000	38.5524	95.1612	-693	QAL	3.0	0	8.2	-1	1.2	0	0.368	0	2.518	0	6.845	0	1876	42	1.4
3170.4	10000	38.5530	95.1612	-691	QAL	2.9	0	7.7	-1	1.2	0	0.375	1	2.414	0	6.431	-1	1871	46	1.4
3170.3	10000	38.5537	95.1612	-690	QAL	2.9	0	7.8	-1	1.2	0	0.370	0	2.468	0	6.672	-1	1862	58	1.4
3170.2	10000	38.5543	95.1612	-691	QAL	3.1	0	7.9	-1	1.2	0	0.391	1	2.659	0	6.794	-1	1844	41	1.4
3170.1	10000	38.5550	95.1612	-690	QAL	2.9	0	7.9	-1	1.1	-1	0.371	1	2.641	0	7.111	0	1831	45	1.4
3170.0	10000	38.5556	95.1612	-688	QAL	3.0	0	7.7	-1	1.1	-1	0.392	1	2.747	0	7.006	0	1814	45	1.4
3169.9	10000	38.5563	95.1612	-686	QAL	2.8	0	8.1	-1	1.1	-1	0.348	0	2.660	0	7.652	0	1806	44	1.4
3169.8	10000	38.5569	95.1613	-686	QAL	2.7	-1	8.1	-1	1.1	-1	0.340	0	2.603	0	7.662	0	1789	49	1.4
3169.7	10000	38.5576	95.1613	-685	QAL	2.8	-1	8.5	-1	1.1	-1	0.330	0	2.642	0	8.003	0	1825	44	1.4
3169.6	10000	38.5582	95.1613	-683	QAL	2.9	0	8.7	0	1.1	-1	0.337	0	2.763	0	8.204	0	1851	45	1.4
3169.5	10000	38.5589	95.1613	-682	QAL	3.0	0	8.7	0	1.1	-1	0.343	0	2.713	0	7.913	0	1893	51	1.4
3169.4	10000	38.5595	95.1613	-682	QAL	3.2	0	8.8	0	1.2	0	0.368	0	2.769	0	7.525	0	1927	43	1.4
3169.3	10000	38.5602	95.1613	-682	QAL	3.2	0	9.2	0	1.2	0	0.343	0	2.602	0	7.597	0	1966	52	1.4
3169.2	10000	38.5608	95.1613	-681	QAL	3.2	0	9.4	0	1.2	0	0.340	0	2.574	0	7.569	0	1988	51	1.4
3169.1	10000	38.5615	95.1614	-680	QAL	3.3	1	9.9	1	1.3	0	0.337	0	2.669	0	7.914	0	2018	59	1.4
3169.0	10000	38.5621	95.1614	-680	QAL	3.4	1	9.7	0	1.3	0	0.355	0	2.666	0	7.518	0	2018	34	1.4
3168.9	10000	38.5627	95.1614	-679	QAL	3.4	1	9.3	0	1.3	0	0.364	0	2.562	0	7.039	0	2025	37	1.4
3168.8	10000	38.5634	95.1614	-677	PKC	3.1	0	9.2	0	1.3	1	0.337	0	2.367	-1	7.014	-1	2012	42	1.4
3168.7	10000	38.5640	95.1614	-676	PKC	3.0	-1	9.2	0	1.3	1	0.323	0	2.238	-1	6.935	-1	1997	51	1.4
3168.6	10000	38.5647	95.1614	-674	PKC	3.1	0	9.0	0	1.3	1	0.349	0	2.431	-1	6.961	-1	2010	43	1.4
3168.5	10000	38.5653	95.1614	-673	PKC	3.3	0	8.9	0	1.3	1	0.372	0	2.526	-1	6.798	-1	2020	42	1.4
3168.4	10000	38.5660	95.1615	-67	PKC	3.4	0	8.5	-1	1.3	1	0.404	1	2.695	0	6.675	-1	2027	50	1.4
3168.3	10000	38.5666	95.1615	-671	PKC	3.5	0	8.7	0	1.3	1	0.397	1	2.762	0	6.953	-1	2031	48	1.4
3168.2	10000	38.5673	95.1615	-669	PKC	3.4	0	8.6	0	1.3	1	0.391	1	2.723	0	7.573	-1	2030	45	1.4
3168.1	10000	38.5679	95.1615	-668	PLP	3.4	0	8.5	0	1.2	1	0.395	1	2.963	0	8.060	-1	2020	52	1.4
3168.0	10000	38.5686	95.1615	-666	PLP	3.4	0	8.3	0	1.2	1	0.384	1	2.784	0	8.677	-1	2011	49	1.4
3167.9	10000	38.5692	95.1615	-666	PLP	3.4	0	8.3	0	1.2	1	0.377	1	2.331	0	8.933	-1	1979	50	1.4
3167.8	10000	38.5699	95.1615	-665	PLP	3.4	0	8.3	0	1.2	1	0.365	1	2.370	0	9.288	-1	1935	31	1.4
3167.7	10000	38.5705	95.1615	-664	PLP	3.4	0	8.4	0	1.2	1	0.345	1	2.389	0	9.274	-1	1890	48	1.4
3167.6	10000	38.5712	95.1616	-663	PLP	3.4	0	8.4	0	1.2	1	0.327	1	2.203	0	9.663	-1	1845	50	1.4
3167.5	10000	38.5718	95.1616	-664	PLP	3.4	0	8.4	0	1.2	1	0.317	1	2.158	0	10.180	-1	1807	34	1.4
3167.4	10000	38.5725	95.1616	-664	PLP	3.4	0	8.4	0	1.2	1	0.318	1	2.223	0	9.921	-1	1780	46	1.4
3167.3	10000	38.5731	95.1616	-664	PLP	3.4	0	8.4	0	1.2	1	0.336	1	2.155	0	10.225	-1	1741	51	1.4
3167.2	10000	38.5738	95.1616	-666	PLP	3.4	0	8.4	0	1.2	1	0.362	1	2.436	0	10.241	-1	1714	50	1.5
3167.1	10000	38.5744	95.1616	-667	PLP	3.4	0	8.4	0	1.2	1	0.367	1	2.712	0	9.569	-1	1723	51	1.5
3167.0	10000	38.5751	95.1617	-667	PLP	3.4	0	8.4	0	1.2	1	0.363	1	2.510	0	9.528	-1	1741	58	1.5
3166.9	10000	38.5757	95.1617	-667	PLP	3.4	0	8.4	0	1.2	1	0.433	1	2.457	0	8.704	-1	1768	38	1.5
3166.8	10000	38.5764	95.1617	-668	PLP	3.4	0	8.4	0	1.2	1	0.437	1	2.592	0	7.740	-1	1811	47	1.5
3166.7	10000	38.5770	95.1617	-669	PLP	3.4	0	8.4	0	1.2	1	0.395	1	2.386	0	7.564	-1	1864	48	1.5
3166.6	10000	38.5777	95.1617	-670	PLP	3.4	0	8.4	0	1.2	1	0.366	1	2.534	0	7.930	-1	1925	47	1.5
3166.5	10000	38.5783	95.1617	-672	PLP	3.4	0	8.4	0	1.2	1	0.331	1	2.108	0	7.361	-2	1986	47	1.5
3166.4	10000	38.5789	95.1617	-673	QAL	3.4	0	8.4	0	1.2	1	0.319	1	2.012	0	7.314	-1	2021	54	1.5
3166.3	10000	38.5796	95.1617	-674	QAL	3.4	0	8.4	0	1.2	1	0.295	1	1.807	0	7.125	-1	2062	44	1.5
3166.2	10000	38.5802	95.1618	-675	QAL	3.4	0	8.4	0	1.2	1	0.277	1	1.774	0	6.386	-1	2086	43	1.5
3166.1	10000	38.5809	95.1618	-676	QAL	3.4	0	8.4	0	1.2	1	0.254	1	1.550	0	6.318	-1	2087	39	1.5
3166.0	10000	38.5815	95.1618	-678	QAL	3.4	0	8.4	0	1.2	1	0.255	1	1.576	0	6.204	-1	2088	45	1.5
3165.9	10000	38.5822	95.1618	-679	QAL	3.4	0	8.4	0	1.2	1	0.254	1	1.608	0	6.241	-1	2088	54	1.5
3165.8	10000	38.5828	95.1618	-681	QAL	3.4	0	8.4	0	1.2	1	0.250	1	1.698	0	6.785	-1	2080	44	1.5

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3165.7	10000	38.5835	95.1618	-682	QAL	2.6	-1	9.8	0	1.4	0	0.266	-1	1.904	-1	7.159	0	2062	54	1.5
3165.6	10000	38.5841	95.1618	-684	QAL	2.7	-1	9.6	0	1.4	0	0.280	-1	1.986	-1	7.087	0	2035	53	1.5
3165.5	10000	38.5848	95.1619	-685	QAL	2.9	0	9.5	0	1.3	0	0.302	-1	2.213	0	7.324	0	2013	40	1.5
3165.4	10000	38.5854	95.1619	-686	QAL	2.8	-1	9.1	0	1.2	0	0.304	0	2.245	0	7.377	0	1982	45	1.5
3165.3	10000	38.5861	95.1619	-687	QAL	2.9	0	8.9	0	1.2	0	0.330	0	2.421	0	7.343	0	1952	53	1.5
3165.2	10000	38.5867	95.1619	-689	QAL	2.9	0	8.5	-1	1.1	0	0.340	0	2.537	0	7.454	0	1917	38	1.5
3165.1	10000	38.5874	95.1619	-690	QAL	3.0	0	8.0	-1	1.1	0	0.380	1	2.671	0	7.038	0	1879	43	1.5
3165.0	10000	38.5880	95.1619	-691	QAL	2.8	-1	8.3	-1	1.2	0	0.348	0	2.395	0	6.876	0	1883	40	1.5
3164.9	10000	38.5887	95.1619	-693	QAL	2.9	0	8.3	-1	1.1	-1	0.344	0	2.559	0	7.440	0	1895	40	1.5
3164.8	10000	38.5893	95.1620	-694	QAL	2.7	-1	8.2	-1	1.2	0	0.327	0	2.193	-1	6.707	-1	1922	38	1.5
3164.7	10000	38.5900	95.1620	-695	QAL	3.1	0	8.8	0	1.3	0	0.351	0	2.422	0	6.904	0	1968	45	1.5
3164.6	10000	38.5906	95.1620	-695	QAL	3.1	0	9.1	0	1.3	0	0.342	0	2.310	0	6.750	-1	2006	42	1.5
3164.5	10000	38.5913	95.1620	-697	QAL	3.2	0	9.5	1	1.4	0	0.348	0	2.264	0	6.502	-1	2064	56	1.5
3164.4	10000	38.5919	95.1620	-698	QAL	2.8	-1	9.6	1	1.4	1	0.292	-1	1.999	-1	6.850	0	2107	46	1.5
3164.3	10000	38.5926	95.1620	-698	QAL	3.0	0	9.4	1	1.4	1	0.312	0	2.128	-1	6.812	-1	2108	39	1.5
3164.2	10000	38.5933	95.1620	-699	QAL	3.1	0	9.4	1	1.4	1	0.328	0	2.220	0	6.774	-1	2073	44	1.5
3164.1	10000	38.5939	95.1620	-700	QAL	2.9	0	9.4	1	1.3	0	0.307	0	2.304	0	7.496	0	2007	59	1.5
3164.0	10000	38.5946	95.1620	-701	QAL	2.5	-1	9.0	0	1.2	0	0.283	-1	2.143	-1	7.569	0	1940	48	1.5
3163.9	10000	38.5952	95.1620	-701	QAL	2.6	-1	8.6	-1	1.1	-1	0.303	-1	2.410	0	7.963	0	1869	50	1.5
3163.8	10000	38.5959	95.1620	-702	QAL	2.5	-1	8.7	-1	1.0	-1	0.286	-1	2.530	0	8.843	1	1801	52	1.4
3163.7	10000	38.5965	95.1620	-702	QAL	2.8	-1	8.4	-1	0.9	-1	0.329	0	2.987	1	9.073	1	1747	47	1.4
3163.6	10000	38.5972	95.1620	-703	QAL	2.7	-1	8.6	-1	0.9	-1	0.315	0	3.001	1	9.518	1	1723	45	1.4
3163.5	10000	38.5978	95.1620	-703	QAL	2.6	-1	8.6	-1	0.9	-1	0.308	0	2.891	1	9.397	1	1736	46	1.4
3163.4	10000	38.5985	95.1620	-703	QAL	2.7	-1	8.7	-1	1.0	-1	0.314	0	2.821	0	8.978	1	1784	41	1.4
3163.3	10000	38.5992	95.1620	-704	QAL	2.8	0	9.3	-1	1.0	-1	0.306	0	2.827	0	9.232	1	1831	53	1.4
3163.2	10000	38.5998	95.1620	-703	QAL	2.8	0	9.3	-1	1.0	-1	0.310	0	2.802	0	9.042	1	1872	55	1.4
3163.1	10000	38.6005	95.1620	-704	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1880	54	1.4
3163.0	10000	38.6011	95.1620	-704	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1880	54	1.4
3162.9	10000	38.6018	95.1620	-704	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1839	54	1.4
3162.8	10000	38.6025	95.1620	-704	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1785	54	1.4
3162.7	10000	38.6031	95.1620	-704	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1715	54	1.4
3162.6	10000	38.6038	95.1620	-704	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1669	54	1.4
3162.5	10000	38.6044	95.1620	-703	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1655	54	1.4
3162.4	10000	38.6051	95.1620	-702	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1673	54	1.4
3162.3	10000	38.6057	95.1620	-701	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1692	54	1.4
3162.2	10000	38.6064	95.1620	-701	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1727	54	1.4
3162.1	10000	38.6070	95.1620	-702	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1747	54	1.4
3162.0	10000	38.6077	95.1620	-701	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1780	54	1.4
3161.9	10000	38.6084	95.1620	-701	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1817	54	1.4
3161.8	10000	38.6090	95.1620	-701	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1836	54	1.4
3161.7	10000	38.6097	95.1621	-701	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1849	54	1.4
3161.6	10000	38.6103	95.1621	-701	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1870	54	1.4
3161.5	10000	38.6110	95.1621	-701	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1921	54	1.4
3161.4	10000	38.6116	95.1621	-701	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1984	54	1.4
3161.3	10000	38.6123	95.1621	-701	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	2021	54	1.4
3161.2	10000	38.6130	95.1621	-701	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	2045	54	1.4
3161.1	10000	38.6136	95.1621	-701	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	2032	54	1.4
3161.0	10000	38.6143	95.1621	-701	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	2029	54	1.4
3160.9	10000	38.6149	95.1621	-701	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1988	54	1.4
3160.8	10000	38.6156	95.1621	-701	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1915	54	1.4
3160.7	10000	38.6162	95.1621	-702	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1852	54	1.4
3160.6	10000	38.6169	95.1621	-702	QAL	2.8	0	9.3	-1	1.0	-1	0.305	0	2.802	0	9.189	1	1806	54	1.4

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3160.5	10000	38.6176	95.1621	-702	PLP	2.9	-1	9.8	0	1.0	-1	0.299	-1	2.804	0	9.377	1	1972	51	1.3
3160.4	10000	38.6182	95.1621	-703	PLP	2.8	-1	10.0	0	1.1	-1	0.276	-1	2.615	0	9.467	1	1955	53	1.3
3160.3	10000	38.6189	95.1621	-703	PLP	2.7	-1	10.5	1	1.0	-1	0.253	-1	2.548	0	10.064	1	1963	53	1.3
3160.2	10000	38.6195	95.1621	-703	PLP	2.7	-1	10.7	1	1.0	-1	0.256	-1	2.660	0	10.378	1	1986	51	1.3
3160.1	10000	38.6202	95.1621	-703	PLP	2.9	-1	11.0	1	1.1	0	0.262	-1	2.702	0	10.311	1	2016	55	1.3
3160.0	10000	38.6208	95.1621	-704	PLP	2.6	-1	11.0	1	1.1	0	0.237	-2	2.327	-1	9.821	1	2024	56	1.3
3159.9	10000	38.6215	95.1621	-704	PD	2.6	-1	11.0	1	1.1	0	0.237	-2	2.357	-1	9.928	1	2039	49	1.3
3159.8	10000	38.6222	95.1621	-704	PD	2.9	-1	10.9	1	1.2	0	0.265	-1	2.467	-1	9.317	0	2066	49	1.3
3159.7	10000	38.6228	95.1622	-704	PD	3.1	0	10.9	1	1.2	1	0.283	-1	2.609	-1	9.210	0	2097	45	1.3
3159.6	10000	38.6235	95.1622	-704	PD	3.3	0	10.8	1	1.2	1	0.305	0	2.632	-1	8.617	0	2131	50	1.3
3159.5	10000	38.6241	95.1622	-704	PD	3.5	1	10.4	1	1.3	1	0.333	0	2.657	-1	7.984	-1	2153	50	1.3
3159.4	10000	38.6248	95.1622	-705	PD	3.5	1	10.0	0	1.3	1	0.346	0	2.598	-1	7.503	-1	2169	54	1.3
3159.3	10000	38.6254	95.1622	-704	PD	3.6	1	9.8	0	1.3	1	0.370	1	2.768	0	7.483	-1	2155	48	1.3
3159.2	10000	38.6261	95.1622	-705	PD	3.6	1	9.4	0	1.4	1	0.382	1	2.674	0	6.995	-1	2141	38	1.3
3159.1	10000	38.6268	95.1622	-704	PD	3.2	0	10.1	0	1.3	1	0.319	0	2.394	-1	7.509	-1	2118	45	1.3
3159.0	10000	38.6274	95.1622	-704	PD	3.3	0	10.0	0	1.4	2	0.331	0	2.406	-1	7.274	-1	2106	37	1.3
3158.9	10000	38.6281	95.1622	-704	PD	3.0	0	10.0	0	1.4	2	0.299	-1	2.176	-1	7.280	-1	2083	47	1.3
3158.8	10000	38.6287	95.1622	-703	PD	3.0	0	10.0	0	1.3	1	0.303	-1	2.307	-1	7.604	-1	2039	28	1.3
3158.7	10000	38.6294	95.1622	-703	PD	2.9	-1	9.7	0	1.3	1	0.324	0	2.414	-1	7.441	-1	2014	35	1.3
3158.6	10000	38.6300	95.1622	-703	PD	2.9	-1	9.9	0	1.3	1	0.294	-1	2.243	-1	7.620	-1	2013	59	1.3
3158.5	10000	38.6307	95.1622	-702	PD	2.9	-1	10.2	0	1.3	1	0.281	-1	2.210	-1	7.857	-1	2020	51	1.3
3158.4	10000	38.6314	95.1622	-701	PD	3.1	0	9.6	0	1.3	1	0.325	0	2.449	-1	7.531	-1	2021	59	1.3
3158.3	10000	38.6320	95.1622	-700	PD	2.9	-1	9.6	0	1.3	1	0.302	-1	2.322	-1	7.682	-1	2027	39	1.3
3158.2	10000	38.6327	95.1622	-700	PD	3.5	1	9.0	-1	1.2	1	0.388	1	2.851	0	7.341	-1	2046	54	1.3
3158.1	10000	38.6333	95.1622	-699	PD	3.5	1	9.2	0	1.2	1	0.384	1	2.934	0	7.646	-1	2071	47	1.3
3158.0	10000	38.6340	95.1622	-698	PD	3.6	1	9.5	0	1.1	0	0.379	1	3.125	0	8.255	0	2074	52	1.3
3157.9	10000	38.6346	95.1622	-698	PD	3.8	1	9.7	0	1.2	0	0.388	1	3.229	0	8.313	0	2079	54	1.3
3157.8	10000	38.6353	95.1622	-697	PD	3.7	1	9.2	0	1.1	0	0.401	1	3.342	1	8.327	0	2056	52	1.3
3157.7	10000	38.6360	95.1622	-697	PD	3.8	1	9.4	0	1.1	0	0.404	1	3.486	1	8.626	0	2053	57	1.3
3157.6	10000	38.6366	95.1622	-696	PD	3.4	1	9.3	0	1.1	0	0.398	1	3.378	1	8.487	0	2032	34	1.3
3157.5	10000	38.6373	95.1622	-696	PD	3.1	1	9.3	0	1.1	0	0.345	1	3.092	1	8.965	0	2003	65	1.3
3157.4	10000	38.6379	95.1622	-696	PD	3.1	1	9.3	0	1.1	0	0.337	1	2.876	1	8.532	0	1981	50	1.3
3157.3	10000	38.6386	95.1622	-696	PD	3.2	1	9.5	0	1.1	0	0.328	1	2.735	1	8.346	0	1981	49	1.3
3157.2	10000	38.6392	95.1622	-697	PD	3.4	1	9.3	0	1.1	0	0.349	1	2.964	1	8.498	0	1974	39	1.3
3157.1	10000	38.6399	95.1622	-697	PD	3.3	1	9.3	0	1.1	0	0.370	1	3.048	1	8.230	-1	1997	42	1.3
3157.0	10000	38.6406	95.1622	-696	PD	3.3	1	9.5	0	1.1	0	0.354	1	2.971	1	8.387	0	1999	51	1.3
3156.9	10000	38.6412	95.1623	-697	PD	3.2	1	9.5	0	1.1	0	0.350	1	3.089	1	8.834	0	2010	41	1.3
3156.8	10000	38.6419	95.1623	-697	PD	3.2	1	9.6	0	1.1	0	0.335	1	3.049	1	9.102	0	2023	67	1.3
3156.7	10000	38.6425	95.1623	-698	PD	3.2	1	10.1	0	1.1	0	0.318	1	2.897	1	9.114	0	2049	52	1.3
3156.6	10000	38.6432	95.1623	-699	PD	3.2	1	10.1	0	1.1	0	0.318	1	2.936	1	9.240	0	2054	46	1.3
3156.5	10000	38.6438	95.1623	-700	PD	3.1	1	10.2	0	1.1	0	0.301	1	2.840	1	9.437	0	2049	48	1.3
3156.4	10000	38.6445	95.1623	-701	PD	3.2	1	10.6	0	1.1	0	0.302	1	3.097	1	10.246	0	2069	43	1.3
3156.3	10000	38.6451	95.1623	-703	PD	3.4	1	10.6	0	1.1	0	0.319	1	3.242	1	10.152	0	2080	46	1.3
3156.2	10000	38.6458	95.1623	-704	PD	3.6	1	10.7	0	1.1	0	0.346	1	3.392	1	9.803	0	2093	44	1.3
3156.1	10000	38.6465	95.1623	-706	PD	3.5	1	10.5	0	1.1	0	0.366	1	3.221	1	9.805	0	2105	45	1.3
3156.0	10000	38.6471	95.1623	-707	PD	3.5	1	10.2	0	1.1	0	0.373	1	3.150	1	9.444	0	2110	47	1.3
3155.9	10000	38.6478	95.1623	-709	PD	3.5	1	10.2	0	1.1	0	0.380	1	3.109	1	9.179	0	2100	50	1.3
3155.8	10000	38.6484	95.1623	-711	PD	3.8	1	10.2	0	1.1	0	0.406	1	3.131	1	8.705	0	2117	55	1.3
3155.7	10000	38.6491	95.1623	-714	PD	3.5	1	10.2	0	1.1	0	0.387	1	3.103	1	8.251	0	2111	52	1.3
3155.6	10000	38.6498	95.1623	-715	PD	3.4	1	10.2	0	1.1	0	0.367	1	3.042	1	8.192	0	2121	54	1.3
3155.5	10000	38.6504	95.1623	-718	PD	3.4	1	10.3	0	1.1	0	0.348	1	2.597	1	7.453	-1	2127	37	1.3
3155.4	10000	38.6511	95.1623	-721	PD	3.4	1	10.3	0	1.1	0	0.331	1	2.619	1	7.913	-1	2135	42	1.3

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3155.3	10000	38.6517	95.1623	-723	PD	3.6	1	10.5	1	1.2	1	0.344	0	2.935	0	8.537	0	2129	42	1.3
3155.2	10000	38.6524	95.1623	-726	PD	3.9	1	10.7	1	1.3	1	0.361	1	3.053	0	8.469	0	2143	46	1.3
3155.1	10000	38.6530	95.1623	-729	PD	3.5	1	10.5	1	1.2	1	0.337	0	2.846	0	8.447	0	2147	45	1.3
3155.0	10000	38.6537	95.1623	-732	PD	3.7	1	10.5	1	1.3	1	0.349	0	2.914	0	8.356	0	2156	51	1.3
3154.9	10000	38.6544	95.1623	-732	PD	3.6	1	10.6	1	1.2	1	0.339	0	2.872	0	8.473	0	2146	52	1.3
3154.8	10000	38.6550	95.1623	-731	PD	3.4	1	10.3	1	1.3	1	0.333	0	2.718	0	8.172	-1	2146	48	1.3
3154.7	10000	38.6557	95.1623	-730	PD	3.4	0	10.6	1	1.2	1	0.322	0	2.726	0	8.473	0	2157	44	1.3
3154.6	10000	38.6563	95.1623	-731	PD	3.4	1	10.8	1	1.3	1	0.315	0	2.609	-1	8.273	0	2164	49	1.3
3154.5	10000	38.6570	95.1624	-735	PD	3.2	0	11.0	1	1.3	1	0.294	-1	2.523	-1	8.579	0	2178	43	1.3
3154.4	10000	38.6576	95.1624	-738	PD	3.3	0	11.5	2	1.3	1	0.291	-1	2.590	-1	8.914	0	2184	41	1.3
3154.3	10000	38.6583	95.1624	-741	PD	3.3	0	11.3	1	1.2	1	0.290	-1	2.693	0	9.287	0	2156	35	1.3
3154.2	10000	38.6590	95.1624	-744	PD	3.4	1	11.3	1	1.2	0	0.302	-1	2.926	0	9.682	1	2135	38	1.3
3154.1	10000	38.6596	95.1624	-747	PD	3.3	0	11.1	1	1.1	0	0.298	-1	3.038	0	10.195	1	2103	52	1.3
3154.0	10000	38.6603	95.1624	-749	PD	3.7	1	10.3	1	1.1	0	0.362	1	3.432	1	9.473	0	2068	33	1.3
3153.9	10000	38.6609	95.1624	-750	PD	3.4	1	10.0	1	1.0	-1	0.343	0	3.442	1	10.036	1	2039	46	1.3
3153.8	10000	38.6616	95.1624	-752	PD	3.6	1	9.7	0	1.0	-1	0.374	1	3.674	1	9.809	1	2023	53	1.3
3153.7	10000	38.6622	95.1624	-755	PD	3.9	2	9.3	0	1.0	-1	0.423	2	3.924	2	9.286	0	2013	47	1.3
3153.6	10000	38.6629	95.1624	-759	PD	3.7	1	9.6	0	1.1	0	0.387	1	3.493	1	9.021	0	2019	48	1.3
3153.5	10000	38.6636	95.1624	-761	PD	3.3	0	9.4	0	1.1	0	0.351	0	2.931	0	8.347	0	2026	37	1.3
3153.4	10000	38.6642	95.1624	-764	PD	3.4	1	9.7	0	1.1	0	0.353	0	3.006	0	8.519	0	2040	46	1.3
3153.3	10000	38.6649	95.1624	-766	PD	3.0	0	10.2	1	1.2	1	0.296	-1	2.475	-1	8.370	0	2054	31	1.3
3153.2	10000	38.6655	95.1624	-767	PD	2.7	0	10.2	1	1.3	1	0.291	-1	2.311	-1	7.949	-1	2064	39	1.3
3153.1	10000	38.6662	95.1624	-769	PD	2.4	-1	10.3	1	1.3	1	0.259	-1	2.021	-2	7.806	-1	2047	41	1.3
3153.0	10000	38.6668	95.1624	-771	PD	2.4	-2	10.3	1	1.3	1	0.229	-2	1.865	-2	8.149	-1	2022	33	1.3
3152.9	10000	38.6675	95.1624	-773	PD	2.4	-2	10.3	1	1.3	1	0.238	-2	1.940	-2	8.170	-1	2006	56	1.3
3152.8	10000	38.6682	95.1624	-775	PD	2.7	-1	10.3	1	1.3	1	0.260	-1	2.124	-1	8.178	-1	1980	48	1.3
3152.7	10000	38.6688	95.1624	-777	PD	2.7	-1	9.9	1	1.2	1	0.274	-1	2.211	-1	8.058	-1	1954	48	1.3
3152.6	10000	38.6695	95.1624	-779	PD	2.8	-1	10.1	0	1.2	0	0.280	-1	2.425	-1	8.665	0	1920	43	1.3
3152.5	10000	38.6701	95.1624	-781	PD	2.9	-1	10.0	0	1.1	0	0.288	-1	2.556	-1	8.867	0	1924	50	1.3
3152.4	10000	38.6708	95.1624	-783	PD	2.8	-1	9.9	0	1.1	0	0.286	-1	2.513	-1	8.774	0	1932	46	1.3
3152.3	10000	38.6714	95.1624	-786	PD	3.0	0	9.7	0	1.1	0	0.300	-1	2.553	-1	8.517	0	1942	39	1.3
3152.2	10000	38.6721	95.1624	-792	PD	3.2	0	9.8	0	1.1	0	0.319	-1	2.742	-1	8.585	0	1958	59	1.3
3152.1	10000	38.6727	95.1624	-797	PD	3.2	0	9.8	0	1.1	0	0.338	-1	2.836	-1	8.388	0	1974	41	1.3
3152.0	10000	38.6734	95.1624	-798	PD	3.1	0	9.8	0	1.1	0	0.332	-1	2.655	-1	7.988	-1	1995	48	1.3
3151.9	10000	38.6741	95.1624	-798	PD	3.2	0	9.8	0	1.1	0	0.327	-1	2.604	-1	7.972	-1	2014	42	1.3
3151.8	10000	38.6747	95.1624	-799	PD	3.3	0	9.8	0	1.1	0	0.337	-1	2.687	-1	7.977	-1	2017	44	1.3
3151.7	10000	38.6754	95.1625	-799	PD	3.3	0	9.8	0	1.1	0	0.368	-1	2.974	-1	8.080	-1	2023	45	1.3
3151.6	10000	38.6760	95.1625	-801	PD	3.3	0	9.8	0	1.1	0	0.374	-1	2.932	-1	7.842	-1	2021	51	1.3
3151.5	10000	38.6767	95.1625	-802	PD	3.3	0	9.8	0	1.1	0	0.346	-1	2.707	-1	7.815	-1	2020	46	1.3
3151.4	10000	38.6773	95.1625	-802	PD	3.3	0	9.8	0	1.1	0	0.316	-1	2.438	-1	7.711	-1	2028	42	1.3
3151.3	10000	38.6780	95.1625	-803	PD	3.3	0	9.8	0	1.1	0	0.309	-1	2.344	-1	7.456	-1	2047	51	1.3
3151.2	10000	38.6787	95.1625	-804	PD	3.3	0	9.8	0	1.1	0	0.328	-1	2.240	-1	7.251	-1	2065	39	1.3
3151.1	10000	38.6793	95.1625	-805	PD	3.3	0	9.8	0	1.1	0	0.341	-1	2.227	-1	6.988	-1	2061	43	1.3
3151.0	10000	38.6800	95.1625	-805	PD	3.3	0	9.8	0	1.1	0	0.329	-1	2.268	-1	6.925	-1	2058	45	1.3
3150.9	10000	38.6806	95.1625	-806	PD	3.3	0	9.8	0	1.1	0	0.336	-1	2.389	-1	7.016	-1	2058	45	1.3
3150.8	10000	38.6813	95.1625	-807	PD	3.3	0	9.8	0	1.1	0	0.336	-1	2.329	-1	7.071	-1	2055	45	1.3
3150.7	10000	38.6819	95.1625	-807	PD	3.3	0	9.8	0	1.1	0	0.363	-1	2.454	-1	6.865	-1	2048	45	1.3
3150.6	10000	38.6826	95.1625	-808	PD	3.3	0	9.8	0	1.1	0	0.366	-1	2.605	-1	7.170	-1	2027	45	1.3
3150.5	10000	38.6833	95.1625	-808	PD	3.3	0	9.8	0	1.1	0	0.364	-1	2.705	-1	7.397	-1	2027	45	1.3
3150.4	10000	38.6839	95.1625	-808	PD	3.3	0	9.8	0	1.1	0	0.337	-1	2.741	-1	7.523	-1	2019	45	1.3
3150.3	10000	38.6846	95.1625	-808	PD	3.3	0	9.8	0	1.1	0	0.352	-1	2.675	-1	7.938	-1	2018	45	1.3
3150.2	10000	38.6852	95.1625	-807	PD	3.2	0	9.8	0	1.1	0	0.352	-1	2.724	-1	7.740	-1	2000	48	1.3

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3150.1	10000	38.6859	95.1625	-808	PD	3.6	1	8.7	-1	1.2	0	0.412	1	3.081	0	7.474	-1	2006	44	1.3
3150.0	10000	38.6865	95.1625	-807	PD	3.6	1	8.9	-1	1.1	0	0.406	1	3.275	1	8.076	-1	2013	38	1.3
3149.9	10000	38.6872	95.1625	-808	PD	3.5	1	9.0	-1	1.1	0	0.390	1	3.122	0	8.007	-1	2009	53	1.3
3149.8	10000	38.6879	95.1625	-808	PD	3.4	1	9.1	0	1.2	0	0.375	1	2.913	0	7.760	-1	1994	45	1.3
3149.7	10000	38.6885	95.1625	-808	PD	3.5	1	8.9	-1	1.2	1	0.392	1	2.936	0	7.492	-1	1992	41	1.3
3149.6	10000	38.6892	95.1625	-809	PD	3.2	0	9.2	0	1.3	1	0.352	0	2.536	-1	7.208	-1	2000	43	1.3
3149.5	10000	38.6898	95.1625	-811	PD	3.0	0	9.7	0	1.3	1	0.313	0	2.309	-1	7.379	-1	2028	50	1.3
3149.4	10000	38.6905	95.1625	-811	PD	3.1	0	10.0	0	1.3	1	0.313	0	2.355	-1	7.517	-1	2034	40	1.3
3149.3	10000	38.6911	95.1626	-810	PD	3.2	0	9.8	0	1.3	1	0.325	0	2.447	-1	7.535	-1	2032	55	1.3
3149.2	10000	38.6918	95.1626	-810	PD	3.2	0	9.7	0	1.3	1	0.330	0	2.539	-1	7.696	-1	2023	51	1.3
3149.1	10000	38.6925	95.1626	-810	PD	3.5	1	9.0	-1	1.2	1	0.385	1	2.916	0	7.572	-1	2029	45	1.3
3149.0	10000	38.6931	95.1626	-809	PD	3.3	1	9.2	-1	1.2	0	0.355	0	2.785	0	7.844	-1	2019	54	1.3
3148.9	10000	38.6938	95.1626	-809	PD	3.3	1	8.8	-1	1.1	0	0.378	1	3.081	0	8.146	-1	1990	51	1.3
3148.8	10000	38.6944	95.1626	-810	PD	3.4	1	8.7	-1	1.1	0	0.386	1	3.186	0	8.245	0	1969	49	1.3
3148.7	10000	38.6951	95.1626	-810	PD	3.2	1	8.8	-1	1.1	0	0.369	1	3.006	0	8.140	-1	1942	37	1.3
3148.6	10000	38.6957	95.1626	-813	PD	3.1	1	9.2	0	1.1	0	0.336	0	2.785	0	8.278	0	1919	50	1.3
3148.5	10000	38.6964	95.1626	-815	PD	3.0	1	9.2	0	1.2	0	0.331	0	2.594	-1	7.841	-1	1917	60	1.3
3148.4	10000	38.6971	95.1626	-815	PD	3.0	1	9.5	0	1.2	1	0.308	0	2.493	-1	8.091	-1	1901	49	1.3
3148.3	10000	38.6977	95.1626	-816	PD	3.0	1	9.5	0	1.2	1	0.319	0	2.580	-1	8.092	-1	1899	36	1.4
3148.2	10000	38.6984	95.1626	-818	PD	3.2	1	9.7	0	1.2	0	0.328	0	2.654	-1	8.096	-1	1906	41	1.4
3148.1	10000	38.6990	95.1626	-821	PD	3.3	1	9.8	0	1.2	0	0.335	0	2.847	0	8.494	0	1917	36	1.4
3148.0	10000	38.6997	95.1626	-823	PD	3.2	1	9.7	0	1.1	0	0.320	0	2.814	0	8.786	0	1932	43	1.4
3147.9	10000	38.7003	95.1626	-824	PD	3.4	1	9.7	0	1.1	0	0.354	0	3.097	0	8.758	0	1962	57	1.4
3147.8	10000	38.7010	95.1626	-826	PD	3.3	1	9.6	0	1.1	0	0.351	0	3.074	0	8.763	0	1973	56	1.4
3147.7	10000	38.7017	95.1626	-828	PD	3.1	1	9.9	0	1.1	0	0.321	0	2.804	0	8.722	0	1994	57	1.4
3147.6	10000	38.7023	95.1626	-830	PD	3.0	1	10.1	-1	1.2	0	0.300	-1	2.534	-1	8.459	0	2022	51	1.4
3147.5	10000	38.7030	95.1626	-832	PD	2.9	1	9.9	-1	1.3	0	0.304	-1	2.388	-1	7.869	-1	2043	40	1.4
3147.4	10000	38.7036	95.1626	-834	PD	2.8	1	10.1	0	1.3	0	0.291	-1	2.292	-1	7.890	-1	2054	45	1.4
3147.3	10000	38.7043	95.1626	-836	PD	2.9	1	10.0	0	1.3	0	0.301	-1	2.315	-1	7.687	-1	2063	41	1.4
3147.2	10000	38.7049	95.1626	-839	PD	2.7	1	10.0	0	1.3	0	0.268	-1	2.159	-1	7.322	-1	2051	32	1.4
3147.1	10000	38.7056	95.1626	-840	PD	2.8	1	9.9	0	1.3	0	0.279	-1	2.085	-1	7.890	-1	2048	39	1.4
3147.0	10000	38.7063	95.1626	-842	PD	2.9	1	10.0	0	1.3	0	0.291	-1	2.181	-1	7.816	-1	2047	48	1.4
3146.9	10000	38.7069	95.1626	-844	PD	2.9	1	10.0	0	1.3	0	0.299	-1	2.318	-1	7.972	-1	2024	49	1.4
3146.8	10000	38.7076	95.1626	-846	PD	2.9	1	9.9	0	1.3	0	0.305	-1	2.407	-1	8.050	-1	2006	46	1.5
3146.7	10000	38.7082	95.1626	-848	PD	2.9	1	9.9	0	1.3	0	0.260	-1	2.338	-1	7.674	-1	1981	48	1.5
3146.6	10000	38.7089	95.1626	-850	PD	2.5	1	9.7	0	1.3	0	0.266	-1	2.095	-1	8.067	-1	1948	49	1.5
3146.5	10000	38.7095	95.1627	-851	PD	2.7	1	9.7	0	1.3	0	0.286	-1	2.293	-1	8.605	0	1940	53	1.5
3146.4	10000	38.7102	95.1627	-852	PD	2.7	1	9.8	0	1.3	0	0.282	-1	2.316	-1	8.105	-1	1911	44	1.5
3146.3	10000	38.7108	95.1627	-853	PD	2.6	1	9.8	0	1.3	0	0.291	-1	2.392	-1	8.483	-1	1883	47	1.5
3146.2	10000	38.7114	95.1627	-854	PD	2.7	1	9.8	0	1.3	0	0.294	-1	2.480	-1	8.532	-1	1884	53	1.5
3146.1	10000	38.7120	95.1627	-855	PD	2.8	1	9.8	0	1.3	0	0.297	-1	2.615	-1	8.904	-1	1888	44	1.5
3146.0	10000	38.7126	95.1627	-856	PD	2.8	1	9.8	0	1.3	0	0.361	-1	2.757	-1	8.278	-1	1879	50	1.5
3145.9	10000	38.7133	95.1627	-857	PD	2.8	1	9.8	0	1.3	0	0.342	-1	2.758	-1	8.023	-1	1881	47	1.5
3145.8	10000	38.7139	95.1627	-857	PD	2.8	1	9.8	0	1.3	0	0.344	-1	2.760	-1	8.244	-1	1858	44	1.5
3145.7	10000	38.7145	95.1627	-858	PD	2.8	1	9.8	0	1.3	0	0.367	-1	2.798	-1	8.894	-1	1856	49	1.5
3145.6	10000	38.7151	95.1628	-859	PD	2.8	1	9.8	0	1.3	0	0.360	-1	2.813	-1	8.805	-1	1847	46	1.5
3145.5	10000	38.7157	95.1628	-859	PD	2.8	1	9.8	0	1.3	0	0.348	-1	2.619	-1	8.583	-1	1822	45	1.5
3145.4	10000	38.7164	95.1628	-860	PD	2.8	1	9.8	0	1.3	0	0.340	-1	2.629	-1	8.390	1	1786	43	1.5
3145.3	10000	38.7170	95.1628	-861	PD	2.8	1	9.8	0	1.3	0	0.292	-1	2.274	-1	8.664	0	1762	38	1.5
3145.2	10000	38.7176	95.1628	-861	PD	2.8	1	9.8	0	1.3	0	0.298	-1	2.306	-1	8.204	0	1739	39	1.5
3145.1	10000	38.7182	95.1628	-862	PD	2.8	1	9.8	0	1.3	0	0.279	-1	2.273	-1	8.081	0	1734	38	1.5
3145.0	10000	38.7188	95.1628	-863	PD	2.5	1	9.7	0	1.3	0	0.257	-1	2.073	-1	8.081	0	1731	48	1.6

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3144.9	10000	38.7195	95.1628	-863	PD	2.3	-2	9.1	0	0.9	-1	0.257	-1	2.732	0	10.617	1	1703	56	1.6
3144.8	10000	38.7201	95.1628	-864	PD	2.2	-2	9.2	0	0.9	-1	0.238	-2	2.492	-1	10.481	1	1699	31	1.6
3144.7	10000	38.7207	95.1628	-865	PD	2.3	-2	9.5	0	0.9	-1	0.246	-2	2.722	0	11.044	1	1687	44	1.6
3144.6	10000	38.7213	95.1629	-865	PD	2.3	-2	9.3	0	0.9	-1	0.250	-2	2.670	0	10.694	1	1685	44	1.6
3144.5	10000	38.7219	95.1629	-866	PD	2.4	-2	8.6	-1	0.9	-1	0.284	-1	2.868	0	10.081	1	1683	46	1.6
3144.4	10000	38.7226	95.1629	-866	PD	2.3	-2	8.4	-1	0.9	-1	0.273	-1	2.567	-1	9.400	0	1672	57	1.6
3144.3	10000	38.7232	95.1629	-866	PD	2.3	-2	8.6	-1	0.9	-1	0.269	-1	2.655	-1	9.878	1	1667	38	1.6
3144.2	10000	38.7238	95.1629	-866	PD	2.2	-2	8.5	-1	0.9	-1	0.253	-1	2.427	-1	9.590	0	1683	51	1.6
3144.1	10000	38.7244	95.1629	-865	PD	2.2	-2	8.0	-1	0.9	-1	0.270	-1	2.357	-1	8.723	0	1675	45	1.6
3144.0	10000	38.7250	95.1629	-865	PD	2.0	-2	8.0	-1	0.9	-1	0.249	-2	2.149	-1	8.614	0	1675	47	1.6
3143.9	10000	38.7257	95.1629	-864	PD	2.0	-3	8.4	-1	0.9	-1	0.237	-2	2.170	-1	9.149	0	1670	46	1.6
3143.8	10000	38.7263	95.1629	-863	PD	2.1	-2	8.8	-1	0.9	-1	0.242	-2	2.320	-1	9.604	0	1663	43	1.6
3143.7	10000	38.7269	95.1629	-861	PD	2.3	-2	8.6	-1	0.8	-1	0.264	-1	2.697	0	10.220	1	1663	38	1.6
3143.6	10000	38.7275	95.1630	-860	PD	2.2	-2	8.3	-1	0.8	-1	0.266	-1	2.628	-1	9.877	1	1667	37	1.6
3143.5	10000	38.7281	95.1630	-858	PD	2.3	-2	8.3	-1	0.8	-2	0.274	-1	2.798	0	10.223	1	1655	39	1.6
3143.4	10000	38.7288	95.1630	-856	PD	2.4	-2	8.5	-1	0.8	-2	0.282	-1	3.028	0	10.730	1	1670	46	1.6
3143.3	10000	38.7294	95.1630	-853	PD	2.4	-2	8.6	-1	0.8	-2	0.281	-1	2.970	0	10.580	1	1684	47	1.6
3143.2	10000	38.7300	95.1630	-851	PD	2.3	-2	8.7	-1	0.8	-1	0.264	-1	2.715	0	10.272	1	1713	53	1.6
3143.1	10000	38.7306	95.1630	-848	PD	1.9	-3	9.0	-1	0.9	-1	0.215	-2	2.169	-1	10.081	1	1738	37	1.6
3143.0	10000	38.7312	95.1630	-846	PD	2.0	-2	9.5	0	1.0	-1	0.211	-2	2.092	-1	9.896	1	1774	49	1.6
3142.9	10000	38.7319	95.1630	-842	PD	2.1	-2	9.6	0	1.0	0	0.216	-2	2.033	-2	9.432	0	1807	44	1.6
3142.8	10000	38.7325	95.1631	-838	PD	2.4	-2	9.6	0	1.0	0	0.252	-1	2.310	-1	9.169	0	1862	47	1.6
3142.7	10000	38.7331	95.1631	-835	PD	2.2	-2	10.0	1	1.1	0	0.221	-2	2.059	-1	9.334	0	1884	56	1.6
3142.6	10000	38.7337	95.1631	-832	PD	2.3	-2	10.1	1	1.1	0	0.226	-2	2.147	-1	9.508	0	1903	48	1.6
3142.5	10000	38.7344	95.1631	-827	PD	2.6	-1	10.1	1	1.1	0	0.256	-1	2.357	-1	9.202	0	1902	37	1.6
3142.4	10000	38.7350	95.1631	-824	PD	2.9	-1	9.7	0	1.1	0	0.301	-1	2.774	0	9.226	0	1888	49	1.6
3142.3	10000	38.7356	95.1631	-820	PD	3.1	0	9.4	0	1.0	-1	0.333	0	3.157	0	9.468	0	1868	43	1.6
3142.2	10000	38.7362	95.1631	-815	PD	3.4	0	9.3	0	0.9	-1	0.360	1	3.586	1	9.957	1	1850	38	1.6
3142.1	10000	38.7368	95.1631	-810	PD	3.2	0	9.2	0	0.9	-1	0.349	0	3.550	1	10.164	1	1808	53	1.6
3142.0	10000	38.7375	95.1631	-806	PD	3.3	0	9.0	-1	0.9	-1	0.370	1	3.798	1	10.258	1	1788	50	1.6
3141.9	10000	38.7381	95.1631	-801	PD	3.4	0	8.8	-1	0.9	-1	0.399	1	3.822	1	9.569	0	1790	34	1.6
3141.8	10000	38.7387	95.1632	-796	PD	3.4	0	8.9	-1	0.9	-1	0.381	1	3.976	1	10.098	1	1807	37	1.6
3141.7	10000	38.7393	95.1632	-791	PD	3.4	0	8.8	-1	0.9	-1	0.388	1	3.895	1	10.224	1	1829	52	1.6
3141.6	10000	38.7399	95.1632	-786	PD	3.3	0	8.8	-1	0.9	-1	0.368	1	3.626	1	9.553	1	1845	36	1.6
3141.5	10000	38.7406	95.1632	-782	PD	3.3	0	8.8	-1	0.9	-1	0.373	1	3.650	1	9.519	1	1848	54	1.6
3141.4	10000	38.7412	95.1632	-777	PD	3.3	0	8.8	-1	0.9	-1	0.354	1	3.576	1	9.715	1	1862	44	1.6
3141.3	10000	38.7418	95.1632	-772	PD	3.3	0	8.8	-1	0.9	-1	0.353	1	3.559	1	9.539	1	1876	52	1.6
3141.2	10000	38.7424	95.1632	-767	PD	3.3	0	8.8	-1	0.9	-1	0.346	1	3.664	1	10.340	1	1882	46	1.6
3141.1	10000	38.7430	95.1632	-763	PD	3.1	0	8.8	-1	0.9	-1	0.354	1	3.595	1	10.194	1	1849	40	1.6
3141.0	10000	38.7437	95.1632	-758	PD	2.9	0	8.8	-1	0.9	-1	0.322	0	3.292	1	9.511	1	1818	45	1.6
3140.9	10000	38.7443	95.1633	-754	PD	2.6	0	8.8	-1	0.9	-1	0.338	1	3.439	1	9.726	1	1782	46	1.5
3140.8	10000	38.7449	95.1633	-750	PD	2.5	0	8.8	-1	0.9	-1	0.362	1	3.045	0	9.470	1	1740	45	1.5
3140.7	10000	38.7455	95.1633	-746	PD	2.7	0	8.8	-1	0.9	-1	0.408	1	3.066	0	9.067	1	1689	39	1.5
3140.6	10000	38.7461	95.1633	-743	PD	2.7	0	8.8	-1	0.9	-1	0.407	1	3.268	0	9.036	1	1620	42	1.5
3140.5	10000	38.7468	95.1633	-740	PD	2.7	0	8.8	-1	0.9	-1	0.415	1	3.521	1	9.629	1	1562	40	1.5
3140.4	10000	38.7474	95.1633	-737	PD	2.5	0	8.8	-1	0.9	-1	0.391	1	3.278	1	9.044	1	1543	59	1.5
3140.3	10000	38.7480	95.1633	-735	PD	2.7	0	8.8	-1	0.9	-1	0.412	1	3.487	1	9.407	1	1535	43	1.5
3140.2	10000	38.7486	95.1633	-735	PD	2.7	0	8.8	-1	0.9	-1	0.388	1	3.295	1	9.423	1	1515	41	1.5
3140.1	10000	38.7493	95.1633	-734	PD	2.7	0	8.8	-1	0.9	-1	0.352	0	3.664	1	9.893	1	1515	46	1.5
3140.0	10000	38.7499	95.1633	-734	PD	2.6	0	8.8	-1	0.9	-1	0.328	0	3.343	1	9.729	1	1539	50	1.5
3139.9	10000	38.7505	95.1634	-733	PD	2.5	0	8.8	-1	0.9	-1	0.328	0	3.504	1	9.381	1	1579	48	1.5
3139.8	10000	38.7511	95.1634	-732	PD	2.6	0	8.8	-1	0.9	-1	0.328	0	3.298	1	9.683	1	1622	56	1.5

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3139.7	10000	38.7517	95.1634	-733	PD	3.0	0	8.4	-1	0.7	-2	0.353	0	4.171	2	11.814	2	1650	44	1.5
3139.6	10000	38.7523	95.1634	-734	PD	3.1	0	8.5	-1	0.6	-3	0.369	1	4.830	3	13.093	3	1675	38	1.5
3139.5	10000	38.7530	95.1634	-735	PD	3.3	0	9.3	0	0.7	-2	0.360	0	4.942	3	13.729	3	1728	45	1.5
3139.4	10000	38.7536	95.1634	-736	PD	3.1	0	9.8	0	0.7	-2	0.319	0	4.410	2	13.817	3	1777	43	1.4
3139.3	10000	38.7542	95.1634	-737	PD	3.2	0	10.2	0	0.7	-2	0.318	0	4.773	3	14.997	4	1809	53	1.4
3139.2	10000	38.7548	95.1634	-739	PD	3.2	0	10.1	0	0.7	-2	0.314	0	4.545	3	14.487	4	1814	40	1.4
3139.1	10000	38.7555	95.1635	-740	PD	3.2	0	10.1	0	0.7	-2	0.312	0	4.315	2	13.837	3	1831	47	1.4
3139.0	10000	38.7561	95.1635	-742	PD	3.1	0	9.8	0	0.8	-2	0.315	0	4.002	2	12.722	3	1852	48	1.4
3138.9	10000	38.7567	95.1635	-744	PD	2.9	-1	9.7	0	0.8	-1	0.298	-1	3.450	1	11.569	2	1870	43	1.4
3138.8	10000	38.7573	95.1635	-746	PD	2.8	-1	9.3	0	0.8	-2	0.308	0	3.423	1	11.123	2	1878	38	1.4
3138.7	10000	38.7579	95.1635	-748	PD	3.0	0	8.9	-1	0.8	-1	0.337	0	3.560	1	10.568	1	1861	49	1.4
3138.6	10000	38.7585	95.1635	-749	PD	3.1	0	8.8	-1	0.8	-2	0.348	0	3.711	1	10.650	1	1843	49	1.4
3138.5	10000	38.7592	95.1635	-750	PD	3.0	0	8.3	-1	0.9	-1	0.363	1	3.497	1	9.632	0	1825	47	1.4
3138.4	10000	38.7598	95.1635	-752	PD	3.0	0	8.3	-1	0.9	-1	0.364	1	3.284	1	9.025	0	1814	50	1.4
3138.3	10000	38.7604	95.1635	-753	PD	2.7	-1	8.6	-1	0.9	-1	0.316	0	3.029	0	9.598	0	1786	47	1.4
3138.2	10000	38.7610	95.1635	-754	PD	2.6	-1	8.7	-1	0.9	-1	0.299	-1	2.959	0	9.881	1	1770	52	1.4
3138.1	10000	38.7617	95.1636	-755	PD	2.5	-1	8.9	-1	0.9	-1	0.278	-1	2.724	0	9.780	1	1762	40	1.4
3138.0	10000	38.7623	95.1636	-755	PD	2.4	-2	9.0	0	0.9	-1	0.269	-1	2.767	0	10.272	1	1779	51	1.3
3137.9	10000	38.7629	95.1636	-755	PD	2.5	-1	9.0	0	1.0	-1	0.277	-1	2.611	-1	9.411	0	1819	51	1.3
3137.8	10000	38.7635	95.1636	-756	PD	2.6	-1	9.8	0	0.9	-1	0.269	-1	2.822	0	10.488	1	1885	37	1.3
3137.7	10000	38.7641	95.1636	-756	PD	2.6	-1	9.6	0	0.9	-1	0.268	-1	2.836	0	10.596	1	1898	51	1.3
3137.6	10000	38.7648	95.1636	-756	PD	2.8	-1	9.8	0	0.9	-1	0.288	-1	3.011	0	10.440	1	1935	44	1.3
3137.5	10000	38.7654	95.1636	-755	PD	2.9	-1	10.0	0	1.0	-1	0.287	-1	2.867	0	9.999	1	1980	45	1.3
3137.4	10000	38.7660	95.1636	-755	PD	3.2	0	10.2	0	1.0	0	0.314	0	3.120	0	9.938	1	2019	49	1.3
3137.3	10000	38.7666	95.1636	-756	PD	3.3	0	10.2	1	1.0	0	0.327	0	3.206	0	9.812	1	2034	59	1.3
3137.2	10000	38.7672	95.1637	-756	PD	3.5	0	10.4	1	1.1	0	0.335	0	3.233	0	9.641	0	2051	60	1.3
3137.1	10000	38.7679	95.1637	-756	PD	3.5	0	10.3	1	1.1	0	0.336	0	3.165	0	9.409	0	2040	59	1.3
3137.0	10000	38.7685	95.1637	-757	PD	3.3	0	10.1	1	1.1	0	0.320	0	3.045	0	9.514	1	2045	45	1.3
3136.9	10000	38.7691	95.1637	-757	PD	3.4	0	9.8	1	1.1	0	0.330	0	3.059	0	9.050	1	2047	49	1.3
3136.8	10000	38.7697	95.1637	-758	PD	3.2	0	9.4	0	1.1	0	0.347	0	3.842	0	8.823	1	2023	42	1.3
3136.7	10000	38.7704	95.1637	-759	PD	3.4	0	9.7	0	1.1	0	0.342	0	3.025	0	8.322	1	2002	44	1.3
3136.6	10000	38.7710	95.1637	-758	PD	3.3	0	9.5	0	1.1	0	0.374	0	3.194	0	8.090	1	1989	51	1.3
3136.5	10000	38.7716	95.1637	-760	PD	3.4	0	9.6	0	1.1	0	0.382	0	3.194	0	8.366	1	1961	50	1.3
3136.4	10000	38.7722	95.1637	-765	PD	3.6	0	9.8	0	1.1	0	0.408	0	3.345	0	8.987	1	1956	48	1.3
3136.3	10000	38.7728	95.1637	-768	PD	3.5	0	9.5	0	1.1	0	0.438	0	3.272	0	7.631	1	1955	43	1.3
3136.2	10000	38.7735	95.1638	-769	PD	3.5	0	9.4	0	1.1	0	0.409	0	3.302	0	8.005	1	1946	44	1.3
3136.1	10000	38.7741	95.1638	-771	PD	3.4	0	9.2	0	1.1	0	0.400	0	3.204	0	8.264	1	1951	42	1.3
3136.0	10000	38.7747	95.1638	-772	PD	3.4	0	9.1	0	1.1	0	0.388	0	3.744	0	8.442	1	1949	38	1.3
3135.9	10000	38.7753	95.1638	-773	PD	3.4	0	9.1	0	1.1	0	0.375	0	3.531	0	8.043	1	1944	36	1.3
3135.8	10000	38.7759	95.1638	-773	PD	3.4	0	9.0	0	1.1	0	0.328	0	3.532	0	8.237	1	1952	39	1.3
3135.7	10000	38.7766	95.1638	-775	PD	3.4	0	9.0	0	1.1	0	0.315	0	3.381	0	8.334	1	1958	37	1.3
3135.6	10000	38.7772	95.1638	-778	PD	3.4	0	9.0	0	1.1	0	0.307	0	3.498	0	8.812	1	1953	50	1.3
3135.5	10000	38.7778	95.1638	-780	PD	3.4	0	9.0	0	1.1	0	0.286	0	3.457	0	8.799	1	1953	45	1.3
3135.4	10000	38.7784	95.1638	-783	PD	3.4	0	9.0	0	1.1	0	0.320	0	3.549	0	8.702	1	1946	32	1.3
3135.3	10000	38.7790	95.1638	-783	PS	3.4	0	9.0	0	1.1	0	0.315	0	3.829	0	8.768	1	1936	37	1.3
3135.2	10000	38.7796	95.1639	-784	PS	3.4	0	9.0	0	1.1	0	0.331	0	3.754	0	8.032	1	1930	41	1.3
3135.1	10000	38.7803	95.1639	-785	PS	3.4	0	9.0	0	1.1	0	0.364	0	3.613	0	8.038	1	1922	46	1.3
3135.0	10000	38.7809	95.1639	-786	PS	3.4	0	9.0	0	1.1	0	0.343	0	3.419	0	8.064	1	1908	61	1.3
3134.9	10000	38.7815	95.1639	-787	PS	3.4	0	9.0	0	1.1	0	0.325	0	3.282	0	7.931	1	1929	44	1.3
3134.8	10000	38.7821	95.1639	-789	PS	3.4	0	9.0	0	1.1	0	0.288	0	3.247	0	7.635	1	1959	49	1.3
3134.7	10000	38.7828	95.1639	-790	PS	3.4	0	9.0	0	1.1	0	0.294	0	3.195	0	7.211	1	2007	57	1.3
3134.6	10000	38.7834	95.1639	-791	PS	3.4	0	9.0	0	1.1	0	0.304	0	3.304	0	7.211	1	2055	53	1.3

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3134.5	10000	38.7840	95.1639	-792	PS	2.9	-1	9.4	0	1.4	1	0.303	0	2.053	-1	6.769	-1	2106	50	1.3
3134.4	10000	38.7846	95.1640	-793	PS	3.1	0	9.2	0	1.4	1	0.338	0	2.180	-1	6.456	-1	2135	49	1.3
3134.3	10000	38.7852	95.1640	-794	PS	3.4	1	9.2	0	1.4	1	0.373	1	2.410	-1	6.460	-1	2144	55	1.3
3134.2	10000	38.7859	95.1640	-796	PS	3.5	1	8.5	-1	1.4	1	0.415	2	2.546	0	6.137	-2	2117	48	1.3
3134.1	10000	38.7865	95.1640	-798	PS	3.4	1	8.5	-1	1.3	1	0.401	1	2.556	0	6.368	-2	2085	39	1.3
3134.0	10000	38.7871	95.1640	-799	PS	3.3	0	8.4	-1	1.2	1	0.392	1	2.661	0	6.782	-1	2025	46	1.4
3133.9	10000	38.7877	95.1640	-801	PS	3.1	0	8.6	-1	1.2	1	0.367	1	2.675	0	7.285	-1	1959	53	1.4
3133.8	10000	38.7883	95.1640	-803	PS	2.9	0	9.0	-1	1.1	0	0.321	0	2.575	0	8.015	0	1904	53	1.4
3133.7	10000	38.7890	95.1640	-805	PS	2.6	-1	9.2	0	1.1	-1	0.286	-1	2.425	-1	8.480	0	1870	42	1.4
3133.6	10000	38.7896	95.1640	-806	PD	2.5	-2	8.8	-1	1.1	0	0.278	-1	2.310	-1	8.320	0	1856	47	1.4
3133.5	10000	38.7902	95.1640	-808	PD	2.4	-2	9.3	0	1.0	0	0.256	-1	2.279	-1	8.910	0	1857	47	1.4
3133.4	10000	38.7908	95.1641	-809	PD	2.5	-1	9.6	0	1.0	0	0.258	-1	2.407	-1	9.316	0	1865	53	1.4
3133.3	10000	38.7914	95.1641	-812	PD	2.5	-1	9.3	0	1.1	0	0.272	-1	2.403	-1	8.822	0	1882	49	1.4
3133.2	10000	38.7921	95.1641	-814	PD	2.6	-1	9.8	0	1.1	0	0.265	-1	2.335	-1	8.815	0	1920	38	1.4
3133.1	10000	38.7927	95.1641	-815	PD	2.7	-1	9.6	0	1.1	0	0.285	-1	2.420	-1	8.499	0	1929	39	1.4
3133.0	10000	38.7933	95.1641	-817	PD	2.8	-1	9.3	0	1.1	0	0.299	-1	2.491	-1	8.318	0	1912	50	1.4
3132.9	10000	38.7939	95.1641	-819	PD	2.6	-1	9.4	0	1.1	0	0.276	-1	2.330	-1	8.436	0	1870	56	1.4
3132.8	10000	38.7945	95.1641	-821	PD	2.6	-1	9.1	0	1.1	0	0.290	-1	2.415	-1	8.332	0	1837	50	1.4
3132.7	10000	38.7952	95.1641	-823	PD	2.5	-1	8.7	-1	1.1	0	0.294	-1	2.301	-1	7.828	-1	1794	45	1.4
3132.6	10000	38.7958	95.1641	-824	PD	2.7	-1	8.7	-1	1.1	0	0.307	0	2.463	-1	8.027	-1	1747	52	1.4
3132.5	10000	38.7964	95.1642	-826	PD	2.6	-1	8.1	-1	1.0	-1	0.325	0	2.732	0	8.402	0	1681	41	1.4
3132.4	10000	38.7970	95.1642	-828	PD	2.7	-1	7.5	-2	0.9	-1	0.363	0	2.892	0	7.963	-1	1631	56	1.5
3132.3	10000	38.7976	95.1642	-829	PD	2.5	-1	7.1	-2	0.9	-1	0.354	0	2.823	0	7.984	-1	1590	41	1.5
3132.2	10000	38.7983	95.1642	-830	PD	2.6	-1	6.9	-2	0.9	-1	0.384	1	2.951	0	7.690	-1	1577	55	1.5
3132.1	10000	38.7989	95.1642	-832	PD	2.6	-1	6.5	-3	0.9	-1	0.404	1	2.892	0	7.150	-1	1553	47	1.5
3132.0	10000	38.7995	95.1642	-832	PD	2.6	-1	6.4	-3	0.9	-1	0.399	1	2.911	0	7.292	-1	1529	38	1.5
3131.9	10000	38.8001	95.1642	-833	PD	2.5	-2	6.3	-3	0.9	-1	0.366	1	2.651	-1	7.249	-1	1515	37	1.5
3131.8	10000	38.8007	95.1642	-834	PD	2.1	-2	6.1	-3	0.9	-1	0.350	0	2.340	-1	6.693	-2	1500	38	1.5
3131.7	10000	38.8014	95.1642	-834	PD	2.0	-2	6.4	-3	0.9	-1	0.317	0	2.337	-1	7.379	-1	1492	40	1.5
3131.6	10000	38.8020	95.1642	-834	PD	2.2	-2	6.4	-3	0.9	-1	0.331	0	2.459	-1	7.425	-1	1475	46	1.5
3131.5	10000	38.8026	95.1643	-835	PD	2.2	-2	6.3	-3	0.9	-1	0.329	0	2.469	-1	7.508	-1	1432	51	1.5
3131.4	10000	38.8032	95.1643	-834	PD	2.2	-2	6.4	-3	0.9	-1	0.344	0	2.866	0	8.334	0	1374	45	1.5
3131.3	10000	38.8038	95.1643	-834	PD	2.2	-2	6.6	-3	0.9	-1	0.330	0	2.850	0	8.628	0	1365	49	1.5
3131.2	10000	38.8045	95.1643	-833	PD	2.2	-2	6.6	-3	0.9	-1	0.316	0	2.706	0	8.567	0	1401	42	1.5
3131.1	10000	38.8051	95.1643	-833	PD	2.2	-2	6.6	-3	0.9	-1	0.320	0	2.853	0	8.927	0	1465	45	1.5
3131.0	10000	38.8057	95.1643	-834	PD	2.2	-2	6.7	-3	0.9	-1	0.297	0	2.583	0	8.701	0	1551	46	1.6
3130.9	10000	38.8063	95.1643	-834	PD	2.2	-2	6.8	-3	0.9	-1	0.296	0	2.632	0	8.887	0	1642	41	1.6
3130.8	10000	38.8070	95.1643	-834	PD	2.2	-2	6.8	-3	0.9	-1	0.294	0	2.763	0	9.389	0	1761	36	1.6
3130.7	10000	38.8076	95.1644	-833	PD	2.2	-2	6.8	-3	0.9	-1	0.294	0	2.661	0	9.052	0	1889	34	1.6
3130.6	10000	38.8082	95.1644	-832	PD	2.2	-2	6.8	-3	0.9	-1	0.304	0	2.680	0	8.826	0	1973	36	1.6
3130.5	10000	38.8088	95.1644	-832	PD	2.2	-2	6.8	-3	0.9	-1	0.291	0	2.463	0	8.465	0	2010	53	1.6
3130.4	10000	38.8094	95.1644	-831	PD	2.2	-2	6.8	-3	0.9	-1	0.285	0	2.498	0	8.756	0	2038	37	1.6
3130.3	10000	38.8101	95.1644	-830	PD	2.2	-2	6.8	-3	0.9	-1	0.319	0	2.748	0	8.621	0	2031	43	1.6
3130.2	10000	38.8107	95.1644	-826	PD	2.2	-2	6.8	-3	0.9	-1	0.309	0	2.628	0	8.500	0	2040	44	1.6
3130.1	10000	38.8113	95.1644	-815	PD	2.2	-2	6.8	-3	0.9	-1	0.316	0	2.632	0	8.335	0	2060	30	1.6
3130.0	10000	38.8119	95.1644	-812	PD	2.2	-2	6.8	-3	0.9	-1	0.331	0	2.731	0	8.251	0	2105	38	1.6
3129.9	10000	38.8125	95.1644	-823	PD	2.2	-2	6.8	-3	0.9	-1	0.327	0	2.680	0	8.205	-1	2136	38	1.6
3129.8	10000	38.8131	95.1644	-825	PD	2.2	-2	6.8	-3	0.9	-1	0.354	0	2.875	0	8.113	-1	2156	49	1.6
3129.7	10000	38.8137	95.1643	-823	PD	2.2	-2	6.8	-3	0.9	-1	0.380	0	2.965	0	8.062	-1	2171	55	1.6
3129.6	10000	38.8143	95.1643	-820	PD	2.2	-2	6.8	-3	0.9	-1	0.341	0	2.725	0	7.992	-1	2196	50	1.6
3129.5	10000	38.8149	95.1643	-817	PD	2.2	-2	6.8	-3	0.9	-1	0.332	0	2.570	0	7.748	-1	2219	37	1.6
3129.4	10000	38.8154	95.1642	-814	PD	2.3	-2	6.8	-3	0.9	-1	0.317	0	2.332	-1	7.349	-1	2212	46	1.6

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3129.3	10000	38.8160	95.1642	-811	PD	2.8	-1	10.1	0	1.4	2	0.283	-1	1.975	-2	6.985	-1	2184	38	1.6
3129.2	10000	38.8166	95.1642	-809	PD	2.9	-1	10.4	1	1.4	2	0.280	-1	2.025	-2	7.224	-1	2192	38	1.6
3129.1	10000	38.8172	95.1641	-806	PD	3.3	0	10.9	1	1.4	2	0.303	-1	2.291	-1	7.553	-1	2209	42	1.6
3129.0	10000	38.8178	95.1641	-803	PD	3.1	0	10.7	1	1.5	2	0.286	-1	2.082	-1	7.274	-1	2209	59	1.6
3128.9	10000	38.8184	95.1641	-800	PD	3.2	0	10.7	1	1.5	2	0.300	-1	2.194	-1	7.301	-1	2217	33	1.6
3128.8	10000	38.8190	95.1640	-797	PD	3.4	0	10.7	1	1.4	2	0.315	0	2.428	-1	7.711	-1	2222	45	1.6
3128.7	10000	38.8196	95.1640	-794	PD	3.6	1	10.8	1	1.4	2	0.332	0	2.593	-1	7.804	-1	2245	42	1.6
3128.6	10000	38.8201	95.1640	-791	PD	3.5	1	11.1	1	1.4	2	0.321	0	2.555	-1	7.972	-1	2265	47	1.6
3128.5	10000	38.8207	95.1639	-789	PD	3.5	1	10.7	1	1.4	2	0.331	0	2.568	-1	7.751	-1	2251	34	1.6
3128.4	10000	38.8213	95.1639	-787	PD	3.4	0	10.5	1	1.4	2	0.321	0	2.441	-1	7.608	-1	2245	45	1.6
3128.3	10000	38.8219	95.1639	-784	PD	3.3	0	10.6	1	1.4	2	0.311	0	2.424	-1	7.789	-1	2217	53	1.6
3128.2	10000	38.8225	95.1638	-782	PD	3.5	0	10.7	1	1.4	2	0.323	0	2.539	-1	7.861	-1	2206	38	1.6
3128.1	10000	38.8231	95.1638	-780	PD	3.4	0	10.3	1	1.4	1	0.337	0	2.492	-1	7.405	-1	2166	38	1.6
3128.0	10000	38.8237	95.1638	-778	PD	3.6	1	10.3	0	1.3	1	0.349	0	2.737	0	7.846	-1	2148	53	1.6
3127.9	10000	38.8243	95.1638	-777	PD	3.7	1	10.1	0	1.2	1	0.365	0	2.964	0	8.118	-1	2125	45	1.6
3127.8	10000	38.8248	95.1637	-775	PD	3.6	1	10.4	1	1.2	1	0.347	0	2.968	0	8.550	0	2103	49	1.6
3127.7	10000	38.8254	95.1637	-774	PD	3.3	0	10.7	1	1.2	1	0.310	0	2.752	0	8.874	0	2096	52	1.6
3127.6	10000	38.8260	95.1637	-772	PD	3.3	0	10.3	1	1.2	1	0.318	0	2.669	0	8.391	0	2104	46	1.6
3127.5	10000	38.8266	95.1636	-772	PD	3.5	0	10.4	1	1.2	1	0.321	0	2.779	0	8.646	0	2096	46	1.6
3127.4	10000	38.8272	95.1636	-771	PD	3.4	0	10.9	1	1.3	1	0.315	0	2.734	0	8.688	0	2126	41	1.6
3127.3	10000	38.8278	95.1636	-770	PD	3.1	0	10.6	1	1.2	1	0.295	-1	2.545	-1	8.627	0	2126	46	1.6
3127.2	10000	38.8284	95.1635	-769	PD	3.0	0	10.6	1	1.3	1	0.286	-1	2.393	-1	8.361	0	2129	51	1.6
3127.1	10000	38.8289	95.1635	-769	PD	3.1	0	10.5	1	1.3	1	0.295	-1	2.319	-1	7.875	-1	2139	54	1.6
3127.0	10000	38.8295	95.1635	-769	PD	3.6	1	10.1	0	1.3	1	0.353	0	2.743	0	7.778	-1	2125	43	1.6
3126.9	10000	38.8301	95.1634	-768	PD	3.5	1	10.1	0	1.3	1	0.348	0	2.756	0	7.919	-1	2118	39	1.6
3126.8	10000	38.8307	95.1634	-768	PD	3.3	0	9.7	0	1.3	1	0.346	0	2.585	-1	7.467	-1	2105	47	1.6
3126.7	10000	38.8313	95.1634	-767	PD	3.2	0	9.4	0	1.2	1	0.340	0	2.604	-1	7.656	-1	2076	47	1.6
3126.6	10000	38.8319	95.1633	-767	PD	3.3	0	9.3	0	1.3	1	0.356	0	2.653	-1	7.444	-1	2062	45	1.6
3126.5	10000	38.8325	95.1633	-767	PD	3.4	0	9.4	0	1.3	1	0.356	0	2.654	-1	7.447	-1	2053	47	1.6
3126.4	10000	38.8331	95.1633	-767	PD	3.2	0	9.4	0	1.3	1	0.344	0	2.518	-1	7.329	-1	2049	43	1.6
3126.3	10000	38.8337	95.1632	-766	PD	3.3	0	9.3	0	1.3	1	0.322	0	2.315	-1	7.177	-1	2046	38	1.6
3126.2	10000	38.8342	95.1632	-766	PD	3.5	0	9.5	0	1.3	1	0.333	0	2.492	-1	7.486	-1	2053	42	1.6
3126.1	10000	38.8348	95.1632	-766	PD	3.8	0	9.4	0	1.3	1	0.311	0	2.328	-1	7.483	-1	2066	46	1.6
3126.0	10000	38.8354	95.1631	-766	PD	3.4	0	9.3	0	1.3	1	0.307	0	2.222	-1	7.244	-1	2081	47	1.6
3125.9	10000	38.8360	95.1631	-766	PD	3.4	0	9.3	0	1.3	1	0.287	0	2.065	-1	7.191	-1	2079	46	1.6
3125.8	10000	38.8366	95.1631	-766	PD	3.4	0	9.3	0	1.3	1	0.314	0	2.171	-1	6.924	-1	2078	35	1.6
3125.7	10000	38.8372	95.1630	-766	PD	3.4	0	9.3	0	1.3	1	0.315	0	2.212	-1	7.033	-1	2074	46	1.6
3125.6	10000	38.8378	95.1630	-767	PD	3.4	0	9.3	0	1.3	1	0.283	-1	2.073	-1	7.332	-1	2075	43	1.6
3125.5	10000	38.8384	95.1630	-767	PD	3.4	0	9.3	0	1.3	1	0.262	-2	1.857	-2	7.083	-1	2034	41	1.6
3125.4	10000	38.8389	95.1629	-767	PD	3.4	0	9.3	0	1.3	1	0.282	-2	2.020	-2	7.165	-1	1997	47	1.6
3125.3	10000	38.8395	95.1629	-768	PD	3.4	0	9.2	0	1.3	1	0.298	-1	2.111	-1	7.073	-1	1968	46	1.6
3125.2	10000	38.8401	95.1629	-768	PD	3.4	0	9.2	0	1.3	1	0.327	-1	2.182	-1	6.675	-2	1957	35	1.6
3125.1	10000	38.8407	95.1629	-769	PD	3.4	0	9.2	0	1.3	1	0.297	-1	2.063	-1	6.953	-1	1917	47	1.6
3125.0	10000	38.8413	95.1628	-770	PD	3.4	0	9.2	0	1.3	1	0.310	-1	2.197	-1	7.076	-1	1893	42	1.6
3124.9	10000	38.8419	95.1628	-770	PD	3.4	0	9.2	0	1.3	1	0.329	-1	2.303	-1	6.997	-1	1853	47	1.6
3124.8	10000	38.8425	95.1628	-770	PD	3.4	0	9.2	0	1.3	1	0.358	-1	2.371	-1	6.632	-2	1856	49	1.6
3124.7	10000	38.8431	95.1627	-770	PD	3.4	0	9.2	0	1.3	1	0.372	-1	2.366	-1	6.358	-2	1853	36	1.6
3124.6	10000	38.8436	95.1627	-770	PD	3.4	0	9.2	0	1.3	1	0.369	-1	2.373	-1	6.433	-2	1821	27	1.6
3124.5	10000	38.8442	95.1627	-770	PD	3.4	0	9.2	0	1.3	1	0.342	-1	2.263	-1	6.623	-2	1767	40	1.6
3124.4	10000	38.8448	95.1626	-774	PD	3.4	0	9.2	0	1.3	1	0.323	-1	2.163	-1	6.693	-2	1708	43	1.6
3124.3	10000	38.8454	95.1626	-777	PD	3.4	0	9.2	0	1.3	1	0.314	-1	2.045	-1	6.503	-2	1603	35	1.6
3124.2	10000	38.8460	95.1626	-778	PD	3.4	0	9.2	0	1.3	1	0.332	-1	2.091	-1	6.299	-2	1532	47	1.6

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3124.1	10000	38.8466	95.1625	-779	PD	2.0	-2	6.4	-3	0.9	-1	0.311	0	2.179	-1	7.010	-1	1490	45	1.6
3124.0	10000	38.8472	95.1625	-779	PD	1.9	-3	6.7	-2	0.9	-1	0.283	-1	2.188	-1	7.735	-1	1478	52	1.6
3123.9	10000	38.8477	95.1625	-781	PD	2.1	-2	7.3	-2	0.9	-1	0.289	-1	2.438	-1	8.427	0	1497	47	1.6
3123.8	10000	38.8483	95.1624	-782	PD	2.3	-2	7.3	-2	0.9	-1	0.310	0	2.614	-1	8.443	0	1552	47	1.6
3123.7	10000	38.8489	95.1624	-783	PD	2.6	-1	7.9	-1	0.9	-1	0.329	0	2.798	0	8.515	0	1647	50	1.6
3123.6	10000	38.8495	95.1624	-785	PD	3.0	0	8.4	-1	1.0	-1	0.352	0	2.936	0	8.337	0	1758	58	1.6
3123.5	10000	38.8501	95.1623	-786	PD	2.9	0	9.3	0	1.0	0	0.316	0	2.844	0	9.010	0	1865	40	1.6
3123.4	10000	38.8507	95.1623	-787	PD	3.3	0	9.5	0	1.1	0	0.351	0	3.086	0	8.795	0	1937	43	1.6
3123.3	10000	38.8513	95.1623	-788	PD	3.5	1	9.5	0	1.1	0	0.367	1	3.202	0	8.736	0	1989	45	1.6
3123.2	10000	38.8519	95.1622	-789	PD	3.4	0	9.4	0	1.1	0	0.362	1	3.017	0	8.340	0	2022	47	1.6
3123.1	10000	38.8525	95.1622	-790	PD	3.2	0	9.7	0	1.1	0	0.330	0	2.913	0	8.821	0	2045	46	1.6
3123.0	10000	38.8530	95.1622	-791	PD	3.3	0	9.7	0	1.1	0	0.336	0	2.992	0	8.897	0	2053	54	1.6
3122.9	10000	38.8536	95.1622	-791	PD	3.3	0	10.2	0	1.1	0	0.323	0	2.890	0	8.956	0	2067	49	1.6
3122.8	10000	38.8542	95.1621	-793	PD	3.5	1	9.6	0	1.2	0	0.371	1	3.060	0	8.245	0	2082	46	1.6
3122.7	10000	38.8548	95.1621	-795	PD	3.4	0	10.0	0	1.2	0	0.339	0	2.925	0	8.631	0	2096	44	1.6
3122.6	10000	38.8554	95.1620	-796	PD	3.3	0	10.2	0	1.1	0	0.323	0	2.971	0	9.202	0	2080	43	1.6
3122.5	10000	38.8560	95.1620	-796	PD	3.6	1	10.6	1	1.1	0	0.340	0	3.215	0	9.460	0	2099	43	1.6
3122.4	10000	38.8566	95.1620	-798	PD	3.7	1	10.8	1	1.1	0	0.339	0	3.286	1	9.693	1	2094	54	1.6
3122.3	10000	38.8571	95.1620	-800	PD	3.7	1	10.7	1	1.1	0	0.347	0	3.384	1	9.748	1	2098	44	1.6
3122.2	10000	38.8577	95.1619	-802	PD	3.7	1	10.6	1	1.1	0	0.348	0	3.441	1	9.888	1	2113	46	1.6
3122.1	10000	38.8583	95.1619	-802	PD	3.5	1	10.8	1	1.1	0	0.329	0	3.264	1	9.933	1	2102	44	1.6
3122.0	10000	38.8589	95.1619	-803	PD	3.5	1	10.7	1	1.1	0	0.325	0	3.189	0	9.814	1	2069	44	1.6
3121.9	10000	38.8595	95.1618	-803	PD	3.2	0	10.5	1	1.1	0	0.305	-1	2.816	0	9.241	0	2056	50	1.6
3121.8	10000	38.8601	95.1618	-803	PD	2.7	-1	10.4	1	1.1	0	0.263	-1	2.463	-1	9.378	0	2033	50	1.6
3121.7	10000	38.8607	95.1618	-804	PD	2.8	-1	10.2	0	1.1	0	0.274	-1	2.495	-1	9.095	0	2018	42	1.6
3121.6	10000	38.8613	95.1617	-804	PD	2.6	-1	10.3	1	1.1	0	0.249	-2	2.273	-1	9.140	0	2005	48	1.6
3121.5	10000	38.8619	95.1617	-804	PD	2.5	-1	10.7	1	1.1	0	0.238	-2	2.209	-1	9.291	0	2009	44	1.6
3121.4	10000	38.8624	95.1617	-805	PD	2.5	-1	10.9	1	1.2	1	0.231	-2	2.127	-1	9.189	0	2027	50	1.6
3121.3	10000	38.8630	95.1616	-805	PD	2.6	-1	11.0	1	1.2	1	0.235	-2	2.116	-1	9.010	0	2054	28	1.6
3121.2	10000	38.8636	95.1616	-804	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	9.154	0	2076	50	1.6
3121.1	10000	38.8642	95.1616	-804	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	9.116	0	2086	41	1.6
3121.0	10000	38.8648	95.1615	-804	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	9.013	0	2083	40	1.6
3120.9	10000	38.8654	95.1615	-804	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	9.017	0	2088	46	1.7
3120.8	10000	38.8660	95.1615	-803	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	8.880	0	2061	45	1.7
3120.7	10000	38.8665	95.1614	-801	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	9.194	0	2033	42	1.7
3120.6	10000	38.8671	95.1614	-799	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	9.588	0	2007	45	1.7
3120.5	10000	38.8677	95.1614	-797	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	9.465	0	1976	31	1.7
3120.4	10000	38.8683	95.1613	-795	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	9.713	0	1951	43	1.7
3120.3	10000	38.8689	95.1613	-793	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	9.687	0	1938	48	1.7
3120.2	10000	38.8695	95.1613	-791	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	9.492	0	1935	45	1.7
3120.1	10000	38.8701	95.1613	-789	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	9.234	0	1939	55	1.7
3120.0	10000	38.8707	95.1612	-787	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	9.177	0	1938	58	1.7
3119.9	10000	38.8712	95.1612	-785	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	9.055	0	1946	39	1.7
3119.8	10000	38.8718	95.1611	-782	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	8.853	0	1964	36	1.7
3119.7	10000	38.8724	95.1611	-781	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	8.876	0	1974	45	1.7
3119.6	10000	38.8730	95.1611	-779	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	8.873	0	1984	39	1.7
3119.5	10000	38.8736	95.1611	-777	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	8.093	0	1972	48	1.7
3119.4	10000	38.8742	95.1610	-775	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	8.631	0	1969	42	1.7
3119.3	10000	38.8748	95.1610	-775	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	8.955	0	1968	44	1.7
3119.2	10000	38.8754	95.1610	-774	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	8.733	0	1974	48	1.7
3119.1	10000	38.8759	95.1609	-772	PD	2.6	-1	11.0	1	1.2	1	0.236	-2	2.116	-1	8.380	0	1979	44	1.7
3119.0	10000	38.8765	95.1609	-771	PD	2.4	-2	10.8	1	1.0	1	0.227	-2	2.336	-1	10.310	1	1988	38	1.7

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAMP	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3118.9	10000	38.8771	95.1609	-771	PD	2.3	-2	10.9	1	1.0	0	0.213	-2	2.223	-1	10.456	1	1998	54	1.7
3118.8	10000	38.8777	95.1608	-771	PD	2.6	-1	10.6	1	1.0	-1	0.244	-2	2.574	-1	10.556	1	2009	47	1.8
3118.7	10000	38.8783	95.1608	-770	PD	2.8	-1	10.3	1	1.0	-1	0.272	-1	2.848	0	10.464	1	1992	51	1.8
3118.6	10000	38.8789	95.1608	-770	PD	2.9	0	10.0	0	1.0	0	0.295	-1	2.840	0	9.626	0	2009	41	1.8
3118.5	10000	38.8795	95.1607	-770	PD	2.9	-1	10.1	0	1.0	-1	0.283	-1	2.836	0	10.031	1	2004	52	1.8
3118.4	10000	38.8801	95.1607	-770	PD	3.1	0	9.6	0	1.0	-1	0.320	0	3.034	0	9.472	0	1983	54	1.8
3118.3	10000	38.8806	95.1607	-769	PD	3.3	0	9.5	0	1.0	-1	0.349	0	3.422	1	9.817	1	1972	52	1.8
3118.2	10000	38.8812	95.1606	-769	PD	3.2	0	9.1	0	1.0	-1	0.358	0	3.252	0	9.095	0	1974	47	1.8
3118.1	10000	38.8818	95.1606	-769	PD	3.1	0	9.4	0	1.0	0	0.334	0	3.059	0	9.160	0	1970	51	1.8
3118.0	10000	38.8824	95.1606	-769	PD	3.1	0	9.5	0	1.0	0	0.330	0	3.074	0	9.329	0	1991	45	1.8
3117.9	10000	38.8830	95.1605	-768	PD	3.1	0	9.8	0	1.0	-1	0.315	0	3.101	0	9.835	1	2002	47	1.8
3117.8	10000	38.8836	95.1605	-769	PD	3.0	0	9.9	0	1.0	-1	0.307	0	3.070	0	9.996	1	2019	36	1.8
3117.7	10000	38.8842	95.1605	-769	PD	2.9	-1	10.5	1	1.0	0	0.279	-1	2.797	0	10.041	1	2081	35	1.8
3117.6	10000	38.8848	95.1604	-768	PD	3.1	0	10.9	1	1.1	0	0.282	-1	2.763	0	9.807	1	2134	42	1.8
3117.5	10000	38.8853	95.1604	-768	PD	3.1	0	11.7	2	1.1	0	0.262	-1	2.732	0	10.430	1	2171	51	1.8
3117.4	10000	38.8859	95.1604	-767	PD	3.0	0	11.6	2	1.1	0	0.261	-1	2.651	-1	10.164	1	2212	41	1.8
3117.3	10000	38.8865	95.1604	-767	PD	3.0	0	11.6	2	1.2	1	0.263	-1	2.514	-1	9.559	0	2251	47	1.8
3117.2	10000	38.8871	95.1603	-766	PD	3.3	0	11.3	2	1.2	1	0.289	-1	2.647	-1	9.166	0	2251	44	1.8
3117.1	10000	38.8877	95.1603	-765	PD	3.6	1	10.9	1	1.3	1	0.328	0	2.833	0	8.633	0	2260	44	1.8
3117.0	10000	38.8883	95.1603	-764	PD	3.5	1	10.7	1	1.3	1	0.322	0	2.729	0	8.465	0	2248	49	1.8
3116.9	10000	38.8889	95.1602	-762	PD	3.2	1	10.4	1	1.3	1	0.313	0	2.582	-1	8.250	0	2219	48	1.8
3116.8	10000	38.8895	95.1602	-761	PD	3.3	0	9.7	1	1.2	1	0.332	0	2.621	-1	7.902	-1	2197	42	1.8
3116.7	10000	38.8900	95.1602	-760	PD	3.4	0	9.4	1	1.2	1	0.351	0	2.769	0	7.879	-1	2186	43	1.8
3116.6	10000	38.8906	95.1601	-759	PD	3.4	0	9.2	1	1.2	1	0.368	1	2.918	0	7.938	-1	2151	54	1.8
3116.5	10000	38.8912	95.1601	-758	PD	3.1	0	9.5	1	1.2	0	0.327	0	2.661	0	8.142	-1	2134	58	1.8
3116.4	10000	38.8918	95.1601	-757	PD	2.8	-1	10.1	1	1.1	0	0.279	-1	2.493	-1	8.921	0	2104	48	1.8
3116.3	10000	38.8924	95.1600	-756	PD	2.7	-1	10.4	1	1.1	0	0.257	-1	2.500	-1	9.742	1	2056	37	1.8
3116.2	10000	38.8930	95.1600	-755	PD	2.6	-1	10.5	1	1.1	0	0.252	-1	2.471	-1	9.816	1	2042	46	1.8
3116.1	10000	38.8936	95.1600	-755	PD	2.6	-1	10.3	1	1.1	0	0.249	-2	2.347	-1	9.417	0	2008	47	1.9
3116.0	10000	38.8941	95.1599	-754	PD	2.5	-1	10.3	1	1.1	0	0.236	-2	2.339	-1	9.930	1	1960	46	1.9
3115.9	10000	38.8947	95.1599	-754	PD	2.5	-1	10.5	1	1.1	0	0.238	-2	2.468	-1	9.842	1	1940	46	1.9
3115.8	10000	38.8953	95.1599	-754	PD	2.4	-1	10.3	1	1.1	0	0.233	-2	2.505	-1	10.732	1	1916	45	1.9
3115.7	10000	38.8959	95.1598	-754	PD	2.5	-1	10.3	1	1.1	0	0.241	-2	2.404	-1	9.991	1	1917	36	1.9
3115.6	10000	38.8965	95.1598	-753	PD	2.7	-1	10.1	1	1.1	0	0.276	-2	2.689	0	9.740	1	1930	44	1.9
3115.5	10000	38.8971	95.1598	-753	PD	2.9	0	9.7	1	1.1	0	0.295	-2	2.909	0	9.852	1	1918	44	1.9
3115.4	10000	38.8977	95.1597	-753	PD	3.0	0	10.0	1	1.1	0	0.301	-2	2.989	0	9.928	1	1952	38	1.9
3115.3	10000	38.8983	95.1597	-754	PD	3.1	0	9.6	1	1.1	0	0.316	-2	2.922	0	9.259	1	1984	45	1.9
3115.2	10000	38.8988	95.1597	-754	PD	3.3	0	9.9	1	1.1	0	0.328	-2	2.786	0	9.499	1	1994	41	1.9
3115.1	10000	38.8994	95.1597	-754	PD	3.2	0	9.9	1	1.1	0	0.321	-2	2.964	0	9.245	1	1997	40	1.9
3115.0	10000	38.9000	95.1596	-755	PD	3.2	0	9.9	1	1.1	0	0.321	-2	2.896	0	9.716	1	1990	41	1.9
3114.9	10000	38.9006	95.1596	-755	PD	3.2	0	9.9	1	1.1	0	0.321	-2	2.618	0	9.154	1	1988	56	1.9
3114.8	10000	38.9012	95.1595	-754	PD	3.2	0	9.9	1	1.1	0	0.321	-2	2.488	0	9.147	1	1985	33	1.9
3114.7	10000	38.9018	95.1595	-754	PD	3.2	0	9.9	1	1.1	0	0.321	-2	2.142	0	9.262	1	1951	39	1.9
3114.6	10000	38.9024	95.1595	-753	PD	3.2	0	9.9	1	1.1	0	0.321	-2	2.094	0	9.704	1	1915	63	1.9
3114.5	10000	38.9030	95.1595	-752	PD	3.2	0	9.9	1	1.1	0	0.321	-2	2.034	0	9.213	1	1904	40	1.9
3114.4	10000	38.9035	95.1594	-751	PD	3.2	0	9.9	1	1.1	0	0.321	-2	2.949	0	8.944	1	1891	26	1.9
3114.3	10000	38.9041	95.1594	-750	PD	3.2	0	9.9	1	1.1	0	0.321	-2	2.002	0	9.174	1	1862	54	1.9
3114.2	10000	38.9047	95.1594	-749	PD	3.2	0	9.9	1	1.1	0	0.321	-2	2.362	-1	8.756	0	1834	49	1.9
3114.1	10000	38.9053	95.1593	-747	PD	3.2	0	9.9	1	1.1	0	0.321	-2	2.687	-1	9.768	1	1809	60	1.9
3114.0	10000	38.9059	95.1593	-747	PD	3.2	0	9.9	1	1.1	0	0.321	-2	2.650	-1	9.737	1	1788	50	1.9
3113.9	10000	38.9066	95.1594	-746	PD	3.2	0	9.9	1	1.1	0	0.321	-2	2.605	-1	9.661	1	1777	44	1.9
3113.8	10000	38.9072	95.1594	-746	PD	3.2	0	9.9	1	1.1	0	0.321	-2	2.630	-1	9.410	1	1765	36	1.9

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3113.7	10000	38.9078	95.1594	-745	PD	2.5	-1	8.5	-1	0.9	-1	0.292	-1	2.641	-1	9.044	0	1754	52	1.9
3113.6	10000	38.9085	95.1594	-745	PD	2.5	-1	8.6	-1	0.9	-1	0.293	-1	2.701	0	9.206	0	1775	50	1.9
3113.5	10000	38.9091	95.1594	-745	PD	2.5	-1	8.5	-1	0.9	-1	0.291	-1	2.648	-1	9.084	0	1785	41	1.8
3113.4	10000	38.9097	95.1595	-745	PD	2.3	-2	8.7	-1	0.9	-1	0.264	-1	2.550	-1	9.660	0	1790	43	1.8
3113.3	10000	38.9104	95.1595	-746	PD	2.4	-2	8.7	-1	0.9	-1	0.278	-1	2.693	0	9.677	1	1816	53	1.8
3113.2	10000	38.9110	95.1595	-746	PD	2.4	-2	8.9	-1	0.9	-1	0.272	-1	2.645	-1	9.730	1	1839	41	1.8
3113.1	10000	38.9116	95.1595	-747	PD	2.3	-2	9.0	-1	0.9	-1	0.253	-1	2.430	-1	9.586	0	1854	50	1.8
3113.0	10000	38.9122	95.1595	-747	QAL	2.3	-2	9.4	0	1.0	-1	0.240	-1	2.270	0	9.445	1	1884	40	1.8
3112.9	10000	38.9129	95.1596	-749	QAL	2.2	-2	9.2	0	1.0	-1	0.239	-1	2.128	-1	8.919	1	1902	54	1.8
3112.8	10000	38.9135	95.1596	-751	QAL	2.1	-2	9.6	0	1.1	-1	0.217	-2	1.860	-1	8.565	1	1940	49	1.8
3112.7	10000	38.9141	95.1596	-753	QAL	2.2	-2	9.7	0	1.2	0	0.229	-2	1.794	-1	7.821	0	1981	36	1.8
3112.6	10000	38.9148	95.1596	-755	QAL	2.3	-1	10.0	1	1.3	0	0.235	-2	1.764	-1	7.517	0	2015	44	1.8
3112.5	10000	38.9154	95.1596	-757	QAL	2.3	-2	10.0	1	1.4	0	0.229	-2	1.659	-1	7.260	0	2050	40	1.8
3112.4	10000	38.9160	95.1597	-759	QAL	2.2	-2	10.5	1	1.4	1	0.206	-2	1.533	-2	7.428	0	2071	48	1.8
3112.3	10000	38.9167	95.1597	-761	QAL	2.2	-2	10.5	1	1.4	1	0.207	-2	1.503	-2	7.267	0	2086	53	1.8
3112.2	10000	38.9173	95.1597	-765	QAL	2.3	-2	10.9	1	1.5	1	0.208	-2	1.508	-2	7.259	0	2100	41	1.8
3112.1	10000	38.9179	95.1597	-768	QAL	2.1	-2	10.8	1	1.5	1	0.195	-2	1.413	-2	7.257	0	2087	48	1.8
3112.0	10000	38.9185	95.1597	-772	QAL	2.4	-1	10.4	1	1.4	1	0.228	-2	1.661	-1	7.289	0	2079	55	1.8
3111.9	10000	38.9192	95.1598	-776	QAL	2.4	-1	10.2	1	1.4	1	0.232	-2	1.707	-1	7.351	0	2069	47	1.8
3111.8	10000	38.9198	95.1598	-780	QAL	2.4	-1	10.1	1	1.4	0	0.241	-1	1.780	-1	7.372	0	2059	41	1.8
3111.7	10000	38.9204	95.1598	-785	QAL	2.8	-1	9.5	0	1.4	0	0.292	-1	2.019	-1	6.926	0	2053	41	1.8
3111.6	10000	38.9211	95.1598	-790	QAL	3.0	0	9.3	0	1.4	0	0.317	0	2.178	-1	6.861	0	2051	34	1.8
3111.5	10000	38.9217	95.1598	-795	QAL	3.1	0	9.0	0	1.3	0	0.347	0	2.458	0	7.081	0	2050	50	1.8
3111.4	10000	38.9223	95.1599	-802	QAL	3.3	1	9.0	0	1.3	0	0.371	1	2.541	0	6.841	0	2077	53	1.8
3111.3	10000	38.9230	95.1599	-808	QAL	3.3	0	9.5	0	1.4	1	0.342	0	2.351	0	6.874	0	2116	44	1.8
3111.2	10000	38.9236	95.1599	-813	QAL	3.4	1	9.6	0	1.4	1	0.355	0	2.405	0	6.770	-1	2142	47	1.8
3111.1	10000	38.9242	95.1599	-819	QAL	3.5	1	9.7	0	1.4	1	0.358	0	2.444	0	6.820	-1	2162	35	1.8
3111.0	10000	38.9249	95.1599	-825	QAL	3.3	0	9.4	0	1.4	1	0.329	0	2.184	0	6.640	-1	2181	42	1.8
3110.9	10000	38.9255	95.1600	-830	QAL	3.0	0	9.2	0	1.4	1	0.299	0	2.012	0	6.732	-1	2198	37	1.8
3110.8	10000	38.9261	95.1600	-836	QAL	2.8	0	9.0	0	1.4	1	0.258	-1	1.766	0	6.845	0	2204	42	1.8
3110.7	10000	38.9268	95.1600	-842	QAL	2.4	-1	8.7	-1	1.3	0	0.249	-1	1.697	0	6.814	0	2186	51	1.7
3110.6	10000	38.9274	95.1600	-846	QAL	2.4	-1	8.7	-1	1.3	0	0.236	-1	1.581	0	6.690	0	2165	46	1.7
3110.5	10000	38.9280	95.1600	-852	QAL	2.4	-1	8.6	-1	1.3	0	0.224	-1	1.562	0	6.975	1	2160	54	1.7
3110.4	10000	38.9286	95.1600	-856	QAL	2.6	-1	8.4	-1	1.3	0	0.231	-1	1.558	0	6.733	0	2153	48	1.7
3110.3	10000	38.9293	95.1601	-860	QAL	2.6	-1	8.4	-1	1.3	0	0.262	-1	1.849	0	7.059	1	2105	40	1.7
3110.2	10000	38.9299	95.1601	-864	QAL	2.6	-1	8.3	-1	1.3	0	0.277	-2	1.917	0	6.925	1	1983	44	1.7
3110.1	10000	38.9305	95.1601	-867	QAL	2.6	-1	8.3	-1	1.3	0	0.310	-2	2.210	0	7.123	1	1819	35	1.7
3110.0	10000	38.9312	95.1601	-871	QAL	2.4	-1	8.2	-1	1.3	0	0.322	-2	2.310	0	7.217	1	1654	47	1.7
3109.9	10000	38.9318	95.1601	-874	QAL	2.2	-1	8.0	-1	1.3	0	0.326	-2	2.391	0	7.430	1	1528	53	1.7
3109.8	10000	38.9324	95.1602	-876	QAL	2.0	-1	7.8	-1	1.3	0	0.326	-2	2.332	0	7.144	1	1456	32	1.7
3109.7	10000	38.9331	95.1602	-878	QAL	2.0	-1	7.7	-1	1.3	0	0.326	-2	2.383	0	7.225	1	1445	49	1.7
3109.6	10000	38.9337	95.1602	-880	QAL	2.0	-1	7.7	-1	1.3	0	0.326	-2	2.662	0	7.984	1	1511	54	1.7
3109.5	10000	38.9343	95.1602	-881	QAL	2.0	-1	7.7	-1	1.3	0	0.326	-2	2.728	0	7.423	1	1692	59	1.7
3109.4	10000	38.9350	95.1602	-882	QAL	2.0	-1	7.7	-1	1.3	0	0.326	-2	2.617	0	7.760	1	1916	38	1.7
3109.3	10000	38.9356	95.1603	-883	QAL	2.0	-1	7.7	-1	1.3	0	0.326	-2	2.685	0	7.662	1	2158	44	1.7
3109.2	10000	38.9362	95.1603	-884	QAL	2.0	-1	7.7	-1	1.3	0	0.326	-2	2.905	0	7.643	1	2367	60	1.7
3109.1	10000	38.9368	95.1603	-885	QAL	2.0	-1	7.7	-1	1.3	0	0.326	-2	2.921	0	7.540	1	2495	45	1.7
3109.0	10000	38.9375	95.1603	-882	QAL	2.0	-1	7.7	-1	1.3	0	0.326	-2	3.097	0	7.396	1	2575	55	1.7
3108.9	10000	38.9381	95.1603	-881	QAL	2.0	-1	7.7	-1	1.3	0	0.326	-2	3.054	0	7.131	1	2637	39	1.7
3108.8	10000	38.9387	95.1604	-881	QAL	2.0	-1	7.7	-1	1.3	0	0.326	-2	3.054	0	7.207	1	2661	45	1.7
3108.7	10000	38.9394	95.1604	-881	QAL	2.0	-1	7.7	-1	1.3	0	0.326	-2	3.021	0	7.260	1	2663	59	1.7
3108.6	10000	38.9400	95.1604	-881	QAL	2.0	-1	7.7	-1	1.3	0	0.326	-2	3.054	0	7.332	1	2627	46	1.7

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3108.5	10000	38.9406	95.1604	-880	QAL	3.3	0	10.3	1	2.0	3	0.318	0	1.666	-1	5.238	-2	2575	43	1.7
3108.4	10000	38.9413	95.1604	-879	QAL	3.1	0	10.4	1	1.9	3	0.299	-1	1.624	-1	5.429	-1	2532	37	1.7
3108.3	10000	38.9419	95.1605	-878	QAL	3.1	0	10.4	1	1.9	3	0.293	-1	1.612	-1	5.497	-1	2495	41	1.7
3108.2	10000	38.9425	95.1605	-876	QAL	3.1	0	10.7	1	1.9	2	0.286	-1	1.625	-1	5.680	-1	2437	42	1.7
3108.1	10000	38.9432	95.1605	-875	QAL	2.9	0	10.8	1	1.8	2	0.267	-1	1.574	-1	5.896	-1	2386	43	1.7
3108.0	10000	38.9438	95.1605	-877	QAL	3.0	0	10.6	1	1.8	2	0.285	-1	1.638	-1	5.740	-1	2367	37	1.7
3107.9	10000	38.9444	95.1605	-875	QAL	3.0	0	10.8	1	1.8	2	0.277	-1	1.625	-1	5.867	-1	2358	33	1.7
3107.8	10000	38.9450	95.1606	-873	QAL	2.9	0	10.6	1	1.8	2	0.277	-1	1.618	-1	5.844	-1	2333	42	1.7
3107.7	10000	38.9457	95.1606	-872	QAL	2.9	0	10.2	1	1.9	2	0.282	-1	1.547	-1	5.477	-1	2333	43	1.7
3107.6	10000	38.9463	95.1606	-870	QAL	2.9	0	9.7	0	1.9	2	0.296	-1	1.554	-1	5.251	-2	2307	53	1.7
3107.5	10000	38.9469	95.1606	-868	QAL	2.9	0	9.1	0	1.8	2	0.316	0	1.616	-1	5.112	-2	2272	48	1.7
3107.4	10000	38.9476	95.1606	-866	QAL	2.8	0	8.8	0	1.8	2	0.320	0	1.587	-1	4.967	-2	2251	49	1.7
3107.3	10000	38.9482	95.1607	-865	QAL	2.8	0	8.7	0	1.7	2	0.323	0	1.649	-1	5.108	-2	2218	66	1.7
3107.2	10000	38.9488	95.1607	-863	QAL	2.9	0	8.2	-1	1.7	2	0.357	0	1.738	-1	4.869	-2	2190	41	1.7
3107.1	10000	38.9495	95.1607	-861	QAL	2.9	0	8.3	-1	1.7	2	0.350	0	1.722	-1	4.918	-2	2181	31	1.7
3107.0	10000	38.9501	95.1607	-859	QAL	3.0	0	8.3	-1	1.7	2	0.368	0	1.843	-1	5.006	-2	2166	48	1.7
3106.9	10000	38.9507	95.1607	-857	QAL	3.1	0	8.7	0	1.6	1	0.363	0	1.948	-1	5.369	-1	2162	42	1.7
3106.8	10000	38.9514	95.1608	-855	QAL	3.2	0	8.7	0	1.7	2	0.371	1	1.944	-1	5.239	-2	2184	57	1.7
3106.7	10000	38.9520	95.1608	-853	QAL	3.2	0	8.5	-1	1.6	1	0.379	1	1.977	-1	5.211	-2	2187	42	1.7
3106.6	10000	38.9526	95.1608	-851	QAL	3.3	0	8.5	-1	1.6	1	0.416	1	2.130	-1	5.118	-2	2211	40	1.7
3106.5	10000	38.9532	95.1608	-850	QAL	3.5	1	8.5	-1	1.6	2	0.408	1	2.119	-1	5.187	-2	2237	59	1.7
3106.4	10000	38.9539	95.1608	-848	QAL	3.5	0	8.5	-1	1.7	2	0.392	1	2.011	-1	5.131	-2	2265	41	1.7
3106.3	10000	38.9545	95.1609	-847	QAL	3.2	0	8.9	0	1.7	2	0.360	0	1.901	-1	5.288	-2	2273	41	1.7
3106.2	10000	38.9551	95.1609	-846	QAL	3.1	0	8.6	0	1.7	2	0.365	0	1.826	-1	5.006	-2	2286	48	1.7
3106.1	10000	38.9558	95.1609	-845	QAL	3.1	0	8.8	0	1.7	2	0.358	0	1.823	-1	5.095	-2	2279	42	1.7
3106.0	10000	38.9564	95.1609	-844	QAL	3.2	0	8.8	0	1.7	2	0.363	0	1.848	-1	5.091	-2	2282	41	1.7
3105.9	10000	38.9570	95.1609	-843	QAL	2.7	-1	9.0	0	1.7	2	0.300	-1	1.554	-1	5.188	-2	2255	66	1.7
3105.8	10000	38.9577	95.1609	-841	QAL	2.9	0	8.8	0	1.7	2	0.327	0	1.661	-1	5.086	-2	2239	37	1.7
3105.7	10000	38.9583	95.1610	-840	QAL	3.1	0	8.9	0	1.6	2	0.348	0	1.887	-1	5.420	-1	2222	49	1.7
3105.6	10000	38.9589	95.1610	-839	QAL	3.3	0	8.5	0	1.6	2	0.389	0	2.061	-1	5.301	-2	2205	45	1.7
3105.5	10000	38.9596	95.1610	-838	QAL	3.4	0	8.4	0	1.6	2	0.405	0	2.098	-1	5.313	-2	2194	44	1.7
3105.4	10000	38.9602	95.1610	-837	QAL	3.6	0	8.5	0	1.6	2	0.417	0	2.139	-1	5.279	-2	2215	50	1.7
3105.3	10000	38.9608	95.1611	-837	QAL	3.6	0	8.7	0	1.6	2	0.435	0	2.232	-1	5.352	-1	2225	38	1.7
3105.2	10000	38.9614	95.1611	-836	QAL	3.5	0	8.4	0	1.6	2	0.356	0	2.376	-1	5.459	-1	2252	46	1.7
3105.1	10000	38.9621	95.1611	-834	QAL	3.3	0	8.5	0	1.6	2	0.376	0	2.077	-1	5.829	-1	2277	43	1.7
3105.0	10000	38.9627	95.1611	-833	QAL	3.2	0	8.5	0	1.7	2	0.359	0	2.106	-1	5.601	-1	2289	43	1.7
3104.9	10000	38.9633	95.1611	-832	QAL	3.0	0	8.4	0	1.7	2	0.326	0	1.997	-1	5.569	-1	2303	47	1.7
3104.8	10000	38.9640	95.1611	-830	QAL	2.9	0	8.4	0	1.7	2	0.315	0	1.910	-1	5.862	-1	2340	45	1.7
3104.7	10000	38.9646	95.1612	-830	QAL	2.9	0	8.4	0	1.7	2	0.290	0	1.901	-1	6.033	-1	2329	37	1.7
3104.6	10000	38.9652	95.1612	-830	QAL	2.9	0	8.4	0	1.7	2	0.295	0	1.679	-1	5.787	-1	2335	51	1.7
3104.5	10000	38.9659	95.1612	-830	QAL	2.9	0	8.4	0	1.7	2	0.347	0	1.636	-1	5.552	-1	2334	41	1.7
3104.4	10000	38.9665	95.1612	-829	QAL	2.9	0	8.4	0	1.7	2	0.347	0	1.727	-1	4.982	-2	2323	43	1.7
3104.3	10000	38.9671	95.1613	-829	QAL	2.9	0	8.4	0	1.7	2	0.347	0	1.642	-1	4.732	-2	2318	35	1.7
3104.2	10000	38.9677	95.1613	-829	QAL	2.9	0	8.4	0	1.7	2	0.362	0	1.728	-1	4.975	-2	2342	40	1.7
3104.1	10000	38.9684	95.1613	-829	QAL	2.9	0	8.4	0	1.7	2	0.331	0	1.678	-1	4.642	-2	2326	43	1.7
3104.0	10000	38.9690	95.1613	-829	QAL	2.9	0	8.4	0	1.7	2	0.341	-2	1.490	-1	4.506	-2	2348	55	1.7
3103.9	10000	38.9696	95.1613	-828	QAL	2.9	0	8.4	0	1.7	2	0.335	-2	1.535	-1	4.501	-2	2345	54	1.7
3103.8	10000	38.9703	95.1613	-828	QAL	2.9	0	8.4	0	1.7	2	0.345	-1	1.577	-1	4.714	-2	2345	54	1.7
3103.7	10000	38.9709	95.1614	-828	QAL	2.9	0	8.4	0	1.7	2	0.330	-1	1.746	-1	5.068	-2	2361	52	1.7
3103.6	10000	38.9715	95.1614	-828	QAL	2.9	0	8.4	0	1.7	2	0.369	-1	1.761	-1	5.332	-2	2376	47	1.7
3103.5	10000	38.9722	95.1614	-828	QAL	2.9	0	8.4	0	1.7	2	0.421	-1	1.879	-1	5.096	-2	2361	29	1.7
3103.4	10000	38.9728	95.1614	-828	QAL	2.7	0	8.4	0	1.7	2	0.421	-1	2.077	-1	4.934	-2	2340	47	1.7

LINE 1030 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3103.3	10000	38.9734	95.1614	-829	QAL	3.8	1	8.2	-1	1.7	2	0.457	2	2.204	-1	4.823	-2	2294	48	1.8
3103.2	10000	38.9741	95.1615	-829	QAL	4.0	2	8.1	-1	1.7	2	0.494	2	2.371	0	4.804	-2	2266	45	1.8
3103.1	10000	38.9747	95.1615	-830	QAL	4.0	2	7.7	-1	1.7	2	0.516	3	2.332	0	4.517	-2	2224	52	1.8
3103.0	10000	38.9753	95.1615	-831	WATER	3.8	999	7.6	999	1.7	999	0.503	999	2.280	999	4.533	999	2167	39	1.8
3102.9	10000	38.9760	95.1615	-831	WATER	3.7	999	7.1	999	1.7	999	0.520	999	2.237	999	4.302	999	2087	38	1.8
3102.8	10000	38.9766	95.1615	-832	WATER	3.3	999	6.5	999	1.6	999	0.506	999	2.115	999	4.182	999	1991	36	1.8
3102.7	10000	38.9772	95.1616	-832	WATER	3.0	999	6.3	999	1.4	999	0.472	999	2.062	999	4.372	999	1873	42	1.8
3102.6	10000	38.9778	95.1616	-832	WATER	2.8	999	6.1	999	1.3	999	0.456	999	2.137	999	4.686	999	1768	50	1.8
3102.5	10000	38.9785	95.1616	-833	WATER	2.6	999	6.0	999	1.2	999	0.436	999	2.203	999	5.055	999	1667	65	1.8
3102.4	10000	38.9791	95.1616	-832	WATER	2.4	999	5.6	999	1.1	999	0.436	999	2.275	999	5.212	999	1614	52	1.9
3102.3	10000	38.9797	95.1616	-831	WATER	2.4	999	5.2	999	1.0	999	0.455	999	2.334	999	5.134	999	1595	47	1.9
3102.2	10000	38.9804	95.1617	-830	WATER	2.5	999	5.6	999	1.1	999	0.445	999	2.347	999	5.278	999	1630	63	1.9
3102.1	10000	38.9810	95.1617	-832	QAL	2.6	-1	6.1	-2	1.2	0	0.422	1	2.235	0	5.292	-2	1701	35	1.9
3102.0	10000	38.9816	95.1617	-833	QAL	2.6	-1	6.8	-2	1.3	0	0.385	1	2.066	-1	5.365	-1	1798	52	1.9
3101.9	10000	38.9822	95.1617	-833	QAL	2.8	0	7.5	-1	1.5	1	0.374	1	1.918	-1	5.127	-2	1940	41	1.9
3101.8	10000	38.9829	95.1617	-832	QAL	2.9	0	7.8	-1	1.6	1	0.374	1	1.775	-1	4.746	-2	2081	50	1.9
3101.7	10000	38.9835	95.1618	-831	QAL	3.1	0	8.4	-1	1.8	2	0.374	1	1.793	-1	4.793	-2	2163	43	1.9
3101.6	10000	38.9841	95.1618	-830	QAL	3.1	0	8.7	0	1.9	2	0.351	1	1.655	-1	4.708	-2	2221	46	1.9
3101.5	10000	38.9848	95.1618	-829	QAL	3.1	0	8.8	0	1.9	2	0.347	0	1.629	-1	4.690	-2	2257	39	1.9
3101.4	10000	38.9854	95.1618	-828	QAL	2.9	0	8.5	-1	1.9	3	0.338	0	1.473	-2	4.363	-2	2261	41	1.9
3101.3	10000	38.9860	95.1618	-826	QAL	2.7	-1	8.9	0	2.0	3	0.308	0	1.362	-2	4.421	-2	2282	42	1.9
3101.2	10000	38.9867	95.1618	-825	QAL	2.7	-1	8.9	0	2.0	3	0.301	-1	1.343	-2	4.459	-2	2283	59	1.9
3101.1	10000	38.9873	95.1619	-824	QAL	2.6	-1	9.1	0	2.0	3	0.280	-1	1.264	-2	4.513	-2	2268	51	1.9
3101.0	10000	38.9879	95.1619	-822	QAL	2.5	-1	9.0	0	2.0	3	0.284	-1	1.246	-2	4.392	-2	2282	52	1.9
3100.9	10000	38.9886	95.1619	-821	QAL	2.7	-1	8.9	0	1.9	3	0.308	0	1.387	-2	4.500	-2	2287	47	1.9
3100.8	10000	38.9892	95.1619	-820	QAL	3.1	0	8.9	0	1.9	3	0.344	0	1.590	-1	4.621	-2	2300	44	1.9
3100.7	10000	38.9898	95.1620	-818	PD	3.4	1	9.6	0	1.9	4	0.356	0	1.833	-2	5.150	-3	2324	40	1.9
3100.6	10000	38.9905	95.1620	-816	PD	3.7	1	9.9	0	1.7	4	0.373	1	2.102	-1	5.641	-2	2341	52	1.9
3100.5	10000	38.9911	95.1620	-814	PD	3.6	1	10.1	0	1.7	3	0.357	0	2.156	-1	6.035	-2	2360	43	1.9
3100.4	10000	38.9917	95.1620	-811	PD	3.7	1	10.5	1	1.5	3	0.349	0	2.395	-1	6.863	-1	2361	48	1.9
3100.3	10000	38.9923	95.1620	-808	PD	3.8	1	10.8	1	1.5	3	0.347	0	2.570	-1	7.412	-1	2352	38	1.9
3100.2	10000	38.9930	95.1620	-807	PD	3.8	1	11.2	1	1.4	3	0.338	0	2.661	0	7.867	-1	2340	41	1.9
3100.1	10000	38.9936	95.1621	-808	PD	3.4	1	10.8	1	1.4	3	0.319	0	2.431	-1	7.619	-1	2300	43	1.9
3100.0	10000	38.9942	95.1621	-808	PD	3.2	1	10.5	0	1.3	3	0.302	-1	2.384	-1	7.896	-1	2257	50	1.9
3099.9	10000	38.9949	95.1621	-805	PD	3.5	1	10.5	0	1.3	3	0.317	0	2.513	-1	7.936	-1	2216	55	1.9
3099.8	10000	38.9955	95.1621	-803	PD	3.5	1	10.5	1	1.2	3	0.323	0	2.662	0	8.241	0	2161	50	1.9
3099.7	10000	38.9961	95.1622	-801	PD	3.2	1	10.3	0	1.2	2	0.325	0	2.582	-1	8.020	-1	2149	51	1.9
3099.6	10000	38.9968	95.1622	-798	PD	3.1	0	9.8	0	1.2	2	0.319	0	2.608	-1	8.182	-1	2127	52	2.0
3099.5	10000	38.9974	95.1622	-796	PD	3.0	0	9.5	0	1.1	2	0.306	0	2.508	-1	8.201	-1	2111	44	2.0
3099.4	10000	38.9980	95.1622	-795	PD	2.8	-1	10.5	1	1.1	2	0.265	-1	2.461	-1	9.283	0	2114	52	2.0
3099.3	10000	38.9986	95.1622	-792	PD	2.6	-1	10.8	1	1.1	1	0.241	-1	2.312	-1	9.588	0	2121	46	2.0
3099.2	10000	38.9993	95.1622	-790	PD	2.2	-2	11.0	1	1.1	1	0.201	-2	1.923	-2	9.579	0	2128	62	2.0
3099.1	10000	38.9999	95.1623	-788	PD	2.0	-2	11.0	1	1.1	0	0.182	-3	1.752	-2	9.619	0	2138	51	2.0

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3269.1	10000	38.0004	94.8358	-701	QAL	4.1	2	9.8	0	1.0	-1	0.419	1	3.956	2	9.443	1	2448	36	3.8
3269.2	10000	38.0010	94.8358	-707	QAL	4.0	2	9.6	0	1.0	-1	0.420	1	3.971	2	9.448	1	2447	42	3.8
3269.3	10000	38.0016	94.8358	-712	QAL	4.0	2	10.0	1	1.0	-1	0.395	1	3.822	2	9.672	1	2436	52	3.8
3269.4	10000	38.0022	94.8358	-715	QAL	3.9	2	10.3	1	1.1	-1	0.379	1	3.656	2	9.649	1	2444	54	3.8
3269.5	10000	38.0028	94.8358	-717	QAL	3.6	1	10.3	1	1.1	-1	0.352	0	3.465	1	9.848	1	2433	45	3.8
3269.6	10000	38.0034	94.8358	-718	QAL	3.7	1	10.6	1	1.1	0	0.347	0	3.227	1	9.298	1	2451	38	3.8
3269.7	10000	38.0040	94.8358	-718	QAL	3.6	1	10.5	1	1.1	0	0.343	0	3.134	1	9.138	1	2475	52	3.8
3269.8	10000	38.0046	94.8358	-718	QAL	3.6	1	10.6	1	1.2	0	0.344	0	3.050	1	8.867	1	2491	41	3.8
3269.9	10000	38.0052	94.8358	-716	QAL	3.5	1	11.1	1	1.3	0	0.318	0	2.781	0	8.758	1	2500	40	3.8
3270.0	10000	38.0058	94.8358	-714	PM	3.5	0	10.4	1	1.2	1	0.334	0	2.795	0	8.367	0	2503	45	3.8
3270.1	10000	38.0064	94.8358	-712	PM	3.6	1	10.3	1	1.2	1	0.347	0	2.915	0	8.398	0	2507	40	3.8
3270.2	10000	38.0070	94.8358	-709	PM	3.7	1	10.4	1	1.2	1	0.351	0	2.989	0	8.508	0	2504	49	3.8
3270.3	10000	38.0077	94.8358	-705	PM	3.7	1	10.5	1	1.1	0	0.354	0	3.257	0	9.197	0	2495	48	3.8
3270.4	10000	38.0083	94.8358	-703	PM	3.8	1	10.6	1	1.2	1	0.363	0	3.295	0	9.079	0	2478	36	3.8
3270.5	10000	38.0089	94.8358	-699	PM	3.9	1	10.5	1	1.2	1	0.375	0	3.334	0	8.891	0	2481	43	3.8
3270.6	10000	38.0095	94.8358	-695	PM	4.1	2	10.1	1	1.1	0	0.407	1	3.612	1	8.865	0	2480	53	3.8
3270.7	10000	38.0101	94.8359	-692	PM	4.3	2	10.5	1	1.1	0	0.409	1	3.789	1	9.257	0	2497	40	3.8
3270.8	10000	38.0107	94.8359	-688	PM	4.3	2	10.4	1	1.1	0	0.410	1	3.956	1	9.656	1	2484	36	3.8
3270.9	10000	38.0113	94.8359	-685	PM	4.0	1	10.4	1	1.1	0	0.386	1	3.809	1	9.866	1	2495	49	3.8
3271.0	10000	38.0119	94.8359	-682	PM	3.9	1	10.3	1	1.1	0	0.381	0	3.683	1	9.674	1	2482	42	3.8
3271.1	10000	38.0125	94.8359	-678	PM	3.9	1	10.4	1	1.0	0	0.374	0	3.818	1	10.205	1	2474	48	3.8
3271.2	10000	38.0131	94.8359	-674	PM	3.8	1	10.6	1	1.0	-1	0.360	0	3.989	1	11.090	2	2464	50	3.8
3271.3	10000	38.0137	94.8359	-670	PM	3.8	1	10.8	1	1.0	-1	0.351	0	3.847	1	10.962	2	2458	43	3.8
3271.4	10000	38.0143	94.8359	-667	PM	3.9	1	10.4	1	1.0	-1	0.373	0	3.995	1	10.710	1	2449	41	3.8
3271.5	10000	38.0149	94.8359	-664	PM	3.9	1	10.4	1	1.0	0	0.372	0	3.846	1	10.332	1	2445	45	3.7
3271.6	10000	38.0155	94.8359	-661	PM	4.0	1	10.5	1	1.0	0	0.383	0	3.841	1	10.020	1	2431	36	3.7
3271.7	10000	38.0161	94.8359	-657	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.873	1	10.028	1	2439	49	3.7
3271.8	10000	38.0167	94.8359	-655	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.883	1	10.028	1	2446	46	3.7
3271.9	10000	38.0174	94.8359	-652	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2459	53	3.7
3272.0	10000	38.0180	94.8359	-650	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2471	58	3.7
3272.1	10000	38.0186	94.8359	-647	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2507	47	3.7
3272.2	10000	38.0192	94.8359	-644	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2530	39	3.7
3272.3	10000	38.0198	94.8359	-642	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2541	36	3.7
3272.4	10000	38.0204	94.8359	-640	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2539	52	3.7
3272.5	10000	38.0210	94.8359	-637	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2529	40	3.7
3272.6	10000	38.0216	94.8360	-635	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2525	49	3.7
3272.7	10000	38.0222	94.8360	-634	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2510	56	3.7
3272.8	10000	38.0228	94.8360	-632	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2484	59	3.7
3272.9	10000	38.0234	94.8360	-630	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2468	48	3.7
3273.0	10000	38.0240	94.8360	-628	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2458	51	3.7
3273.1	10000	38.0246	94.8360	-626	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2462	41	3.7
3273.2	10000	38.0252	94.8360	-623	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2475	34	3.7
3273.3	10000	38.0258	94.8360	-621	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2474	45	3.7
3273.4	10000	38.0265	94.8360	-619	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2487	34	3.7
3273.5	10000	38.0271	94.8360	-617	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2497	42	3.7
3273.6	10000	38.0277	94.8360	-615	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2523	50	3.7
3273.7	10000	38.0283	94.8360	-613	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2545	41	3.7
3273.8	10000	38.0289	94.8360	-611	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2558	44	3.7
3273.9	10000	38.0295	94.8360	-609	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2574	44	3.7
3274.0	10000	38.0301	94.8360	-607	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2592	44	3.7
3274.1	10000	38.0307	94.8360	-605	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2572	44	3.7
3274.2	10000	38.0313	94.8360	-603	PM	4.0	1	10.5	1	1.0	0	0.384	0	3.886	1	10.028	1	2557	38	3.7

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3274.3	10000	38.0319	94.8360	-603	PM	4.5	2	9.7	0	1.2	1	0.466	2	3.854	1	8.275	0	2531	47	3.6
3274.4	10000	38.0325	94.8360	-602	PM	4.4	2	10.3	1	1.1	0	0.425	1	3.966	1	9.327	0	2513	39	3.6
3274.5	10000	38.0331	94.8360	-601	PM	4.5	2	10.4	1	1.1	0	0.434	1	4.197	2	9.676	1	2487	43	3.6
3274.6	10000	38.0337	94.8360	-601	PM	4.2	2	10.6	1	1.1	0	0.400	1	3.897	1	9.736	1	2464	47	3.6
3274.7	10000	38.0343	94.8360	-601	PM	4.6	3	10.3	1	1.0	0	0.447	2	4.519	2	10.108	1	2433	58	3.6
3274.8	10000	38.0349	94.8360	-601	PM	4.8	3	10.4	1	1.0	-1	0.457	2	4.957	3	10.844	1	2423	56	3.6
3274.9	10000	38.0355	94.8361	-603	PM	4.6	3	9.7	0	0.9	-1	0.479	2	4.909	3	10.260	1	2405	54	3.6
3275.0	10000	38.0361	94.8361	-604	PM	4.3	2	9.7	0	1.0	0	0.445	1	4.236	2	9.529	0	2391	44	3.5
3275.1	10000	38.0367	94.8361	-607	PM	4.4	2	9.8	0	1.1	0	0.444	1	4.040	1	9.105	0	2377	48	3.5
3275.2	10000	38.0374	94.8361	-609	PM	4.0	1	10.3	1	1.1	0	0.392	1	3.709	1	9.465	0	2385	48	3.5
3275.3	10000	38.0379	94.8361	-612	PM	4.0	1	10.4	1	1.1	0	0.386	1	3.700	1	9.584	1	2395	40	3.5
3275.4	10000	38.0385	94.8361	-614	PM	3.8	1	10.8	1	1.1	0	0.354	1	3.507	1	9.917	1	2432	38	3.5
3275.5	10000	38.0390	94.8361	-616	PM	3.8	1	10.9	1	1.2	1	0.344	1	3.199	1	9.304	0	2478	47	3.5
3275.6	10000	38.0396	94.8362	-617	PM	3.7	1	11.2	2	1.2	1	0.333	1	3.092	0	9.298	0	2516	43	3.5
3275.7	10000	38.0401	94.8362	-617	PM	3.9	1	11.1	2	1.2	1	0.353	1	3.378	0	9.561	1	2518	45	3.5
3275.8	10000	38.0407	94.8362	-616	PM	4.1	2	10.3	1	1.1	0	0.399	1	3.631	1	9.101	0	2537	48	3.5
3275.9	10000	38.0412	94.8362	-615	PM	4.3	2	10.0	1	1.1	0	0.433	1	3.853	1	8.897	0	2540	33	3.5
3276.0	10000	38.0418	94.8363	-611	PM	4.4	2	9.7	1	1.1	0	0.456	1	3.971	1	8.704	0	2556	36	3.5
3276.1	10000	38.0424	94.8363	-606	PM	4.5	2	9.5	1	1.1	0	0.470	1	4.065	1	8.643	0	2536	47	3.5
3276.2	10000	38.0429	94.8363	-601	PM	4.5	2	9.2	1	1.1	0	0.493	1	4.272	2	8.671	0	2533	47	3.5
3276.3	10000	38.0435	94.8363	-595	PM	4.8	3	9.3	1	1.1	0	0.510	1	4.404	2	8.633	0	2530	42	3.4
3276.4	10000	38.0440	94.8363	-588	PM	5.0	3	9.3	1	1.1	0	0.533	1	4.560	2	8.560	0	2564	38	3.4
3276.5	10000	38.0446	94.8364	-582	PM	4.7	3	9.9	1	1.1	0	0.476	1	4.231	2	8.883	0	2597	43	3.4
3276.6	10000	38.0451	94.8364	-575	PM	4.8	3	10.3	1	1.1	0	0.468	1	4.193	2	8.963	0	2619	34	3.4
3276.7	10000	38.0457	94.8364	-568	PM	5.0	3	10.8	1	1.1	0	0.461	1	4.366	2	9.473	0	2622	37	3.4
3276.8	10000	38.0463	94.8364	-562	PM	5.0	3	10.9	1	1.1	0	0.458	1	4.493	2	9.813	1	2626	43	3.4
3276.9	10000	38.0468	94.8365	-556	PP	4.9	3	11.0	1	1.1	0	0.450	1	4.393	2	9.760	1	2622	53	3.4
3277.0	10000	38.0474	94.8365	-552	PP	4.6	3	11.1	2	1.1	0	0.416	1	4.122	2	9.911	1	2608	49	3.4
3277.1	10000	38.0479	94.8365	-549	PP	4.4	2	11.3	2	1.1	0	0.387	1	3.845	1	9.924	1	2599	51	3.4
3277.2	10000	38.0485	94.8365	-546	PP	4.1	2	11.5	2	1.2	0	0.356	1	3.478	1	9.782	1	2589	50	3.4
3277.3	10000	38.0490	94.8366	-545	PP	4.0	2	11.5	2	1.2	0	0.355	1	3.518	1	9.897	1	2576	56	3.4
3277.4	10000	38.0496	94.8366	-545	PP	3.8	2	11.4	2	1.2	0	0.347	1	3.301	1	9.508	1	2580	44	3.4
3277.5	10000	38.0501	94.8366	-546	PP	3.9	2	11.1	2	1.2	0	0.359	1	3.313	1	9.228	1	2572	35	3.4
3277.6	10000	38.0507	94.8366	-547	PP	4.0	2	11.1	2	1.2	0	0.390	1	3.479	1	9.916	1	2549	46	3.4
3277.7	10000	38.0512	94.8367	-548	PP	4.4	2	11.0	2	1.2	0	0.460	1	4.131	2	9.981	1	2549	36	3.4
3277.8	10000	38.0518	94.8367	-550	PP	4.7	3	10.7	2	1.2	0	0.495	1	4.571	2	9.229	1	2517	53	3.4
3277.9	10000	38.0524	94.8367	-552	PP	4.9	3	9.8	1	1.2	0	0.559	1	4.969	2	8.893	1	2481	56	3.4
3278.0	10000	38.0529	94.8367	-554	PP	5.1	3	9.8	2	1.2	0	0.569	1	4.931	2	8.553	1	2451	46	3.4
3278.1	10000	38.0535	94.8367	-555	PP	5.2	3	9.8	2	1.2	0	0.542	1	5.204	2	8.609	1	2406	35	3.4
3278.2	10000	38.0540	94.8368	-557	PP	5.2	3	9.8	2	1.2	0	0.529	1	5.076	2	8.605	1	2397	56	3.4
3278.3	10000	38.0546	94.8368	-559	PP	5.2	3	9.8	2	1.2	0	0.485	1	5.120	2	8.566	1	2386	49	3.4
3278.4	10000	38.0551	94.8368	-560	PP	5.2	3	9.8	2	1.2	0	0.452	1	4.952	2	8.962	1	2355	49	3.4
3278.5	10000	38.0557	94.8368	-562	PP	5.2	3	9.8	2	1.2	0	0.404	1	4.624	2	8.431	1	2367	46	3.4
3278.6	10000	38.0563	94.8369	-563	PP	5.2	3	9.8	2	1.2	0	0.409	1	4.835	2	8.824	1	2353	53	3.4
3278.7	10000	38.0568	94.8369	-564	PP	5.2	3	9.8	2	1.2	0	0.395	1	4.191	2	8.607	1	2352	42	3.4
3278.8	10000	38.0574	94.8369	-564	PP	5.2	3	9.8	2	1.2	0	0.398	1	4.113	2	8.345	1	2357	50	3.4
3278.9	10000	38.0579	94.8369	-564	PP	5.2	3	9.8	2	1.2	0	0.413	1	4.151	2	8.062	1	2343	62	3.4
3279.0	10000	38.0585	94.8369	-564	PP	5.2	3	9.8	2	1.2	0	0.386	1	4.160	2	8.088	1	2328	52	3.4
3279.1	10000	38.0590	94.8370	-563	PP	5.2	3	9.8	2	1.2	0	0.383	1	4.216	2	8.349	1	2346	39	3.4
3279.2	10000	38.0596	94.8370	-562	PP	5.2	3	9.8	2	1.2	0	0.390	1	4.196	2	8.784	1	2353	44	3.4
3279.3	10000	38.0602	94.8370	-560	PP	5.2	3	9.8	2	1.2	0	0.417	1	4.127	2	8.497	1	2386	53	3.4
3279.4	10000	38.0607	94.8370	-559	PP	5.2	3	9.8	2	1.2	0	0.417	1	4.127	2	8.497	1	2410	47	3.4

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3279.5	10000	38.0613	94.8371	-556	PP	4.0	1	9.1	0	1.2	0	0.441	1	3.329	0	7.550	-1	2439	61	3.3
3279.6	10000	38.0618	94.8371	-554	PKC	4.2	2	9.1	1	1.3	1	0.457	-1	3.244	0	7.094	-1	2513	45	3.2
3279.7	10000	38.0624	94.8371	-552	PKC	4.8	3	9.0	1	1.3	1	0.530	2	3.762	1	7.099	-1	2577	34	3.2
3279.8	10000	38.0629	94.8371	-549	PKC	5.0	3	9.0	1	1.3	1	0.557	3	3.755	1	6.743	-1	2613	32	3.2
3279.9	10000	38.0635	94.8372	-547	PKC	5.0	3	8.9	1	1.3	1	0.565	3	3.792	1	6.716	-1	2641	50	3.2
3280.0	10000	38.0640	94.8372	-545	PKC	4.9	3	9.2	1	1.3	1	0.535	2	3.870	1	7.233	-1	2652	46	3.2
3280.1	10000	38.0646	94.8372	-543	PKC	5.1	3	9.7	1	1.3	1	0.523	2	3.994	1	7.636	-1	2662	41	3.2
3280.2	10000	38.0651	94.8372	-542	PKC	5.3	4	9.6	1	1.3	1	0.546	2	4.091	2	7.493	-1	2664	57	3.2
3280.3	10000	38.0657	94.8372	-540	PKC	5.1	3	9.8	1	1.2	1	0.525	2	4.172	2	7.952	0	2618	57	3.2
3280.4	10000	38.0663	94.8373	-538	PKC	4.9	3	9.6	1	1.1	0	0.510	2	4.339	2	8.511	0	2582	55	3.2
3280.5	10000	38.0668	94.8373	-536	PKC	5.3	4	9.6	1	1.1	0	0.557	3	4.815	3	8.642	0	2561	38	3.2
3280.6	10000	38.0674	94.8373	-534	PKC	5.3	4	9.5	1	1.1	0	0.553	3	4.774	3	8.627	0	2531	39	3.2
3280.7	10000	38.0679	94.8373	-533	PKC	5.3	4	9.1	1	1.1	0	0.586	3	4.971	3	8.485	0	2511	50	3.2
3280.8	10000	38.0685	94.8374	-532	PKC	5.4	4	8.8	1	1.0	-1	0.610	3	5.263	3	8.629	0	2481	46	3.2
3280.9	10000	38.0690	94.8374	-530	PKC	5.1	4	8.7	1	1.0	-1	0.591	3	5.053	3	8.550	0	2444	46	3.2
3281.0	10000	38.0696	94.8374	-529	PKC	5.0	3	8.7	1	1.0	-1	0.574	3	5.239	3	9.132	1	2418	58	3.2
3281.1	10000	38.0701	94.8374	-528	PKC	5.1	4	8.7	1	1.0	-1	0.601	3	5.117	3	8.510	0	2403	52	3.2
3281.2	10000	38.0707	94.8375	-527	PKC	4.8	3	8.4	1	0.9	-1	0.571	3	5.238	3	9.176	1	2380	47	3.2
3281.3	10000	38.0713	94.8375	-526	PKC	4.9	3	8.5	1	0.9	-1	0.566	3	5.558	4	9.826	1	2368	57	3.2
3281.4	10000	38.0718	94.8375	-525	PKC	4.8	3	9.0	1	0.9	-1	0.535	2	5.385	3	10.068	1	2374	37	3.2
3281.5	10000	38.0724	94.8375	-524	PKC	4.8	3	9.1	1	0.9	-1	0.531	2	5.048	3	9.503	1	2394	50	3.2
3281.6	10000	38.0729	94.8376	-523	PKC	4.9	3	8.7	1	0.9	-1	0.539	2	5.207	3	9.655	1	2435	46	3.2
3281.7	10000	38.0735	94.8376	-522	PKC	4.9	3	9.2	1	1.0	-1	0.563	3	4.823	3	8.573	0	2481	49	3.2
3281.8	10000	38.0740	94.8376	-521	PKC	5.0	3	9.3	1	1.0	-1	0.537	2	4.879	3	9.091	1	2520	41	3.2
3281.9	10000	38.0746	94.8376	-520	PKC	5.1	3	8.8	1	1.0	-1	0.567	3	4.899	3	8.638	0	2544	54	3.2
3282.0	10000	38.0751	94.8376	-519	PKC	5.2	3	8.3	1	1.1	-1	0.623	3	4.731	3	7.597	-1	2571	48	3.2
3282.1	10000	38.0757	94.8377	-518	PKC	5.7	4	8.2	1	1.1	-1	0.699	4	5.249	4	7.508	-1	2573	40	3.2
3282.2	10000	38.0763	94.8377	-517	PKC	5.8	4	8.3	1	1.1	-1	0.702	4	5.529	4	7.873	0	2568	52	3.2
3282.3	10000	38.0768	94.8377	-516	PKC	5.6	4	8.6	1	1.1	-1	0.672	4	5.300	4	7.884	0	2541	46	3.2
3282.4	10000	38.0774	94.8377	-515	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.119	4	7.889	0	2522	46	3.2
3282.5	10000	38.0779	94.8378	-514	PKC	5.3	4	8.4	1	1.1	-1	0.633	3	4.668	3	7.376	-1	2514	40	3.2
3282.6	10000	38.0785	94.8378	-513	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.147	-1	2528	49	3.2
3282.7	10000	38.0790	94.8378	-512	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.418	-1	2548	41	3.2
3282.8	10000	38.0796	94.8378	-511	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	6.986	-1	2560	36	3.1
3282.9	10000	38.0801	94.8379	-509	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	6.825	-1	2573	36	3.1
3283.0	10000	38.0807	94.8379	-509	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	6.576	-1	2600	43	3.1
3283.1	10000	38.0813	94.8379	-508	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	6.887	-1	2609	61	3.1
3283.2	10000	38.0818	94.8379	-507	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.012	-1	2603	51	3.1
3283.3	10000	38.0824	94.8380	-507	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.209	-1	2586	48	3.1
3283.4	10000	38.0829	94.8380	-507	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.386	-1	2572	50	3.1
3283.5	10000	38.0835	94.8380	-507	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.263	-1	2577	33	3.1
3283.6	10000	38.0840	94.8380	-507	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.665	-1	2566	41	3.1
3283.7	10000	38.0846	94.8380	-507	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.164	-1	2557	44	3.1
3283.8	10000	38.0852	94.8381	-507	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.669	-1	2555	62	3.1
3283.9	10000	38.0857	94.8381	-507	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.701	-1	2548	49	3.1
3284.0	10000	38.0863	94.8381	-507	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.674	-1	2560	43	3.1
3284.1	10000	38.0868	94.8381	-507	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.650	-1	2551	51	3.1
3284.2	10000	38.0874	94.8382	-507	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.234	-1	2546	42	3.1
3284.3	10000	38.0879	94.8382	-506	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.822	-1	2561	43	3.1
3284.4	10000	38.0885	94.8382	-505	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.382	-1	2556	39	3.1
3284.5	10000	38.0890	94.8382	-504	PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.169	-1	2550	48	3.1
3284.6	10000	38.0896	94.8382		PKC	5.5	4	8.5	1	1.1	-1	0.649	4	5.245	4	7.169	-1	2545	49	3.1

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3284.7	10000	38.0902	94.8383	-502	PKC	5.0	3	8.8	0	1.3	1	0.567	3	3.974	1	7.008	-1	2511	46	3.2
3284.8	10000	38.0907	94.8383	-501	PKC	4.9	3	8.6	-1	1.2	1	0.566	3	3.920	1	6.932	-1	2489	42	3.2
3284.9	10000	38.0913	94.8383	-500	PKC	4.6	2	9.0	0	1.2	1	0.516	2	4.009	1	7.772	0	2443	51	3.2
3285.0	10000	38.0918	94.8383	-498	PKC	4.5	2	8.5	-1	1.1	0	0.523	2	4.060	2	7.756	0	2385	49	3.2
3285.1	10000	38.0924	94.8384	-497	PKC	4.0	1	8.5	-1	1.0	0	0.476	1	3.846	1	8.076	0	2344	49	3.2
3285.2	10000	38.0929	94.8384	-495	PKC	3.8	1	8.4	-1	1.0	-1	0.451	1	3.604	1	7.997	0	2306	47	3.2
3285.3	10000	38.0935	94.8384	-494	PKC	4.1	1	8.2	-1	1.0	-1	0.497	2	4.200	2	8.444	0	2279	59	3.2
3285.4	10000	38.0940	94.8384	-493	PKC	3.9	1	8.6	-1	1.0	-1	0.450	1	3.921	2	8.707	0	2266	29	3.2
3285.5	10000	38.0946	94.8385	-492	PKC	4.0	1	9.1	0	0.9	-1	0.438	1	4.238	2	9.674	1	2254	42	3.2
3285.6	10000	38.0952	94.8385	-492	PKC	4.0	1	8.5	-1	1.0	-1	0.475	1	4.178	2	8.790	0	2253	55	3.2
3285.7	10000	38.0957	94.8385	-492	PKC	4.4	2	8.7	-1	1.0	-1	0.506	2	4.604	2	9.102	1	2280	45	3.2
3285.8	10000	38.0963	94.8385	-492	PKC	4.6	2	8.8	0	1.0	-1	0.527	2	4.791	3	9.087	1	2300	59	3.2
3285.9	10000	38.0968	94.8385	-493	PKC	4.6	2	9.1	0	1.0	-1	0.511	2	4.612	2	9.027	1	2332	59	3.2
3286.0	10000	38.0974	94.8386	-494	PKC	4.4	2	9.3	0	1.1	0	0.476	1	4.127	2	8.668	0	2377	46	3.2
3286.1	10000	38.0979	94.8386	-495	PKC	4.4	2	9.3	0	1.1	0	0.478	1	3.964	1	8.285	0	2413	48	3.2
3286.2	10000	38.0985	94.8386	-497	PKC	4.5	2	9.3	0	1.2	0	0.487	2	3.847	1	7.906	0	2438	54	3.2
3286.3	10000	38.0990	94.8386	-500	PKC	4.5	2	9.7	0	1.2	0	0.459	1	3.865	1	8.423	0	2452	41	3.2
3286.4	10000	38.0996	94.8387	-503	PKC	4.3	2	9.9	0	1.2	0	0.437	1	3.691	1	8.447	0	2453	43	3.2
3286.5	10000	38.1002	94.8387	-505	PKC	4.4	2	9.8	0	1.2	0	0.445	1	3.740	1	8.414	0	2446	38	3.2
3286.6	10000	38.1007	94.8387	-508	PKC	4.4	2	9.5	0	1.1	0	0.467	1	3.946	1	8.456	0	2428	42	3.2
3286.7	10000	38.1013	94.8387	-510	PKC	4.6	2	9.4	0	1.1	0	0.495	1	4.270	2	8.632	0	2410	47	3.2
3286.8	10000	38.1018	94.8388	-513	PKC	4.8	2	9.4	0	1.1	0	0.511	2	4.521	2	8.841	0	2406	50	3.2
3286.9	10000	38.1024	94.8388	-516	PKC	5.0	2	8.9	-1	1.0	-1	0.569	3	4.832	3	8.494	0	2410	41	3.2
3287.0	10000	38.1029	94.8388	-518	PKC	5.0	2	8.7	-1	1.1	0	0.577	3	4.756	3	8.237	0	2413	35	3.2
3287.1	10000	38.1035	94.8388	-519	PKC	4.7	2	8.9	0	1.1	0	0.528	2	4.373	2	8.280	0	2417	42	3.2
3287.2	10000	38.1041	94.8389	-522	PKC	4.8	2	9.3	0	1.1	0	0.519	2	4.578	2	8.813	0	2437	49	3.2
3287.3	10000	38.1046	94.8389	-524	PKC	4.7	2	9.5	0	1.1	0	0.499	2	4.477	2	8.968	0	2435	51	3.2
3287.4	10000	38.1052	94.8389	-526	PKC	4.8	2	9.4	0	1.1	0	0.509	2	4.517	2	8.878	0	2452	37	3.2
3287.5	10000	38.1057	94.8389	-528	PKC	4.8	2	9.1	0	1.0	-1	0.534	2	4.672	2	8.754	1	2460	45	3.2
3287.6	10000	38.1063	94.8389	-530	PKC	4.8	2	9.5	0	1.0	-1	0.507	2	4.706	3	9.276	1	2475	50	3.2
3287.7	10000	38.1068	94.8390	-532	PKC	4.5	2	8.8	0	1.1	0	0.528	2	4.159	2	8.770	1	2497	57	3.2
3287.8	10000	38.1074	94.8390	-535	PKC	4.2	2	8.3	0	1.1	0	0.567	2	4.361	2	8.450	1	2524	34	3.2
3287.9	10000	38.1079	94.8390	-537	PKC	4.1	2	8.2	0	1.1	0	0.555	2	4.844	2	8.727	1	2556	42	3.2
3288.0	10000	38.1085	94.8390	-541	PKC	4.1	2	8.2	0	1.1	0	0.537	2	4.768	2	8.873	1	2597	51	3.2
3288.1	10000	38.1090	94.8391	-544	PP	4.1	2	8.1	0	1.1	0	0.516	2	4.557	2	8.836	1	2632	38	3.2
3288.2	10000	38.1096	94.8391	-547	PP	4.1	2	8.1	0	1.1	0	0.493	2	4.584	2	8.308	1	2670	60	3.2
3288.3	10000	38.1102	94.8391	-551	PP	4.1	2	8.1	0	1.1	0	0.457	2	4.172	2	8.131	1	2718	53	3.2
3288.4	10000	38.1107	94.8391	-554	PP	4.1	2	8.1	0	1.1	0	0.456	2	3.865	2	8.483	1	2768	41	3.2
3288.5	10000	38.1113	94.8392	-557	PP	4.1	2	8.1	0	1.1	0	0.435	2	3.702	2	8.559	1	2808	51	3.2
3288.6	10000	38.1118	94.8392	-561	PP	4.1	2	8.1	0	1.1	0	0.445	2	3.794	2	8.530	1	2814	37	3.2
3288.7	10000	38.1124	94.8392	-564	PP	4.1	2	8.1	0	1.1	0	0.468	2	3.777	2	8.063	1	2807	39	3.2
3288.8	10000	38.1129	94.8392	-568	PP	4.1	2	8.1	0	1.1	0	0.448	2	3.607	2	8.047	1	2758	49	3.2
3288.9	10000	38.1135	94.8392	-571	PP	4.1	2	8.1	0	1.1	0	0.428	2	3.650	2	8.503	1	2700	31	3.2
3289.0	10000	38.1141	94.8393	-574	PP	4.1	2	8.1	0	1.1	0	0.438	2	3.821	2	8.729	1	2602	58	3.2
3289.1	10000	38.1146	94.8393	-577	PP	4.1	2	8.1	0	1.1	0	0.446	2	3.857	2	8.104	1	2512	49	3.2
3289.2	10000	38.1152	94.8393	-579	PP	4.1	2	8.1	0	1.1	0	0.481	2	4.063	2	8.636	1	2417	47	3.2
3289.3	10000	38.1157	94.8393	-582	PP	4.1	2	8.1	0	1.1	0	0.421	2	4.057	2	8.097	1	2337	53	3.2
3289.4	10000	38.1163	94.8394	-584	PP	4.1	2	8.1	0	1.1	0	0.419	2	4.263	2	8.295	1	2274	49	3.2
3289.5	10000	38.1168	94.8394	-587	PP	4.1	2	8.1	0	1.1	0	0.452	2	4.350	2	8.392	1	2222	59	3.2
3289.6	10000	38.1174	94.8394	-589	PP	4.1	2	8.1	0	1.1	0	0.448	2	4.221	2	8.337	1	2170	43	3.2
3289.7	10000	38.1180	94.8394	-590	PP	4.1	2	8.1	0	1.1	0	0.441	2	4.119	2	8.187	1	2153	50	3.2
3289.8	10000	38.1185	94.8395	-591	PP	4.1	2	8.1	0	1.1	0	0.413	2	3.676	2	8.905	1	2130	50	3.2

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3289.9	10000	38.1191	94.8395	-592	PP	3.1	0	7.9	-1	1.0	-1	0.387	0	3.181	0	8.215	0	2113	49	3.3
3290.0	10000	38.1196	94.8395	-593	PP	3.1	0	7.9	-1	1.0	-1	0.393	0	3.237	0	8.242	0	2096	45	3.3
3290.1	10000	38.1202	94.8395	-595	PP	3.1	0	7.8	-1	1.0	-1	0.398	0	3.114	0	7.825	0	2103	47	3.3
3290.2	10000	38.1207	94.8396	-596	PP	3.0	-1	8.0	-1	1.0	-1	0.376	0	3.045	0	8.106	0	2120	60	3.3
3290.3	10000	38.1213	94.8396	-598	PP	2.9	-1	8.1	-1	1.0	-1	0.357	0	2.813	0	7.869	0	2141	47	3.3
3290.4	10000	38.1218	94.8396	-599	PP	2.8	-1	8.4	-1	1.1	0	0.331	0	2.617	-1	7.902	0	2158	46	3.3
3290.5	10000	38.1224	94.8396	-601	PP	3.0	-1	8.7	0	1.1	0	0.341	0	2.816	0	8.257	0	2190	40	3.3
3290.6	10000	38.1229	94.8396	-605	PP	3.0	-1	8.9	0	1.1	0	0.340	0	2.855	0	8.404	0	2212	51	3.3
3290.7	10000	38.1235	94.8397	-609	PP	3.1	0	9.4	0	1.1	0	0.327	-1	2.763	0	8.450	0	2264	51	3.3
3290.8	10000	38.1241	94.8397	-614	PP	3.0	-1	10.0	1	1.1	0	0.300	-1	2.740	0	9.121	1	2276	38	3.3
3290.9	10000	38.1246	94.8397	-619	PP	3.0	-1	10.1	1	1.1	0	0.293	-1	2.768	0	9.440	1	2268	44	3.3
3291.0	10000	38.1252	94.8397	-625	PP	3.1	0	10.2	1	1.0	-1	0.302	-1	3.006	0	9.953	1	2274	44	3.3
3291.1	10000	38.1258	94.8397	-632	PP	3.3	0	10.1	1	1.0	-1	0.330	0	3.281	0	9.956	1	2272	59	3.3
3291.2	10000	38.1264	94.8397	-639	PP	3.2	0	9.6	1	1.0	-1	0.332	0	3.293	0	9.912	1	2248	43	3.3
3291.3	10000	38.1270	94.8396	-646	PP	3.4	0	9.8	1	0.9	-1	0.345	0	3.577	1	10.365	2	2237	42	3.3
3291.4	10000	38.1276	94.8396	-654	PP	3.6	1	9.5	0	0.9	-1	0.379	0	3.974	1	10.474	2	2196	65	3.3
3291.5	10000	38.1282	94.8396	-661	PP	3.5	0	9.0	0	0.9	-1	0.384	0	3.757	1	9.780	1	2174	37	3.3
3291.6	10000	38.1288	94.8396	-669	PP	3.5	0	8.9	0	0.9	-1	0.394	0	3.824	1	9.716	1	2177	38	3.3
3291.7	10000	38.1293	94.8396	-675	PP	3.4	0	9.1	0	0.9	-1	0.373	0	3.679	1	9.860	1	2175	35	3.3
3291.8	10000	38.1299	94.8396	-681	PP	3.4	0	9.0	0	0.9	-1	0.383	0	3.856	1	10.077	1	2179	35	3.3
3291.9	10000	38.1305	94.8396	-687	QAL	3.5	1	9.6	0	0.9	-1	0.364	0	3.747	2	10.290	2	2215	52	3.3
3292.0	10000	38.1311	94.8396	-694	QAL	3.4	1	9.4	0	0.9	-1	0.365	0	3.668	2	10.046	2	2242	48	3.3
3292.1	10000	38.1317	94.8396	-701	QAL	3.7	1	9.6	0	0.9	-1	0.388	1	4.027	2	10.373	2	2297	44	3.3
3292.2	10000	38.1323	94.8396	-707	QAL	4.1	2	9.9	1	0.9	-1	0.420	1	4.567	3	10.878	2	2364	47	3.3
3292.3	10000	38.1329	94.8396	-713	QAL	4.4	3	9.9	1	0.9	-1	0.447	2	4.866	4	10.888	2	2400	43	3.4
3292.4	10000	38.1334	94.8396	-720	QAL	4.5	3	10.1	1	0.9	-1	0.441	2	4.944	4	11.201	2	2436	44	3.4
3292.5	10000	38.1340	94.8395	-725	QAL	4.6	3	10.3	1	0.9	-1	0.437	2	4.859	4	11.106	2	2474	49	3.4
3292.6	10000	38.1346	94.8395	-731	QAL	4.4	3	10.4	0	0.9	0	0.429	2	4.417	4	11.292	2	2493	42	3.4
3292.7	10000	38.1352	94.8395	-736	QAL	4.4	3	10.0	0	0.9	0	0.419	2	4.470	4	10.658	2	2494	54	3.4
3292.8	10000	38.1358	94.8395	-742	QAL	4.2	3	10.0	0	0.9	0	0.417	2	4.134	4	10.923	2	2476	39	3.4
3292.9	10000	38.1364	94.8395	-747	QAL	4.4	3	10.1	0	0.9	0	0.438	2	4.220	4	10.635	2	2458	45	3.4
3293.0	10000	38.1370	94.8395	-751	QAL	4.4	3	10.0	0	0.9	0	0.437	2	4.107	4	10.403	2	2443	38	3.4
3293.1	10000	38.1376	94.8395	-756	QAL	4.5	3	10.2	0	0.9	0	0.463	2	4.190	4	10.043	2	2415	47	3.4
3293.2	10000	38.1381	94.8395	-760	QAL	4.4	3	10.0	0	0.9	0	0.440	2	3.773	4	9.568	2	2384	45	3.4
3293.3	10000	38.1387	94.8395	-764	QAL	4.4	3	10.0	0	0.9	0	0.475	2	4.207	4	9.858	2	2355	47	3.4
3293.4	10000	38.1393	94.8395	-769	QAL	4.4	3	10.0	0	0.9	0	0.493	2	4.079	4	9.276	2	2331	53	3.4
3293.5	10000	38.1399	94.8395	-773	QAL	4.4	3	10.0	0	0.9	0	0.470	2	3.924	4	9.341	2	2338	48	3.4
3293.6	10000	38.1405	94.8394	-777	QAL	4.4	3	10.0	0	0.9	0	0.418	2	3.489	4	9.354	2	2310	37	3.4
3293.7	10000	38.1411	94.8394	-781	QAL	4.4	3	10.0	0	0.9	0	0.376	2	3.103	4	9.248	2	2304	58	3.4
3293.8	10000	38.1417	94.8394	-784	QAL	4.4	3	10.0	0	0.9	0	0.386	2	3.011	4	9.080	2	2316	37	3.4
3293.9	10000	38.1422	94.8394	-788	QAL	4.4	3	10.0	0	0.9	0	0.357	2	2.887	4	8.882	2	2307	46	3.4
3294.0	10000	38.1428	94.8394	-792	QAL	4.4	3	10.0	0	0.9	0	0.341	2	2.794	4	8.784	2	2290	44	3.4
3294.1	10000	38.1434	94.8394	-796	QAL	4.4	3	10.0	0	0.9	0	0.328	2	2.810	4	8.557	2	2316	38	3.4
3294.2	10000	38.1440	94.8394	-800	QAL	4.4	3	10.0	0	0.9	0	0.344	2	2.925	4	8.514	2	2307	42	3.4
3294.3	10000	38.1446	94.8394	-804	QAL	4.4	3	10.0	0	0.9	0	0.371	2	3.135	4	8.441	2	2321	53	3.4
3294.4	10000	38.1452	94.8394	-808	QAL	4.4	3	10.0	0	0.9	0	0.412	2	3.442	4	8.354	2	2327	46	3.4
3294.5	10000	38.1458	94.8394	-812	QAL	4.4	3	10.0	0	0.9	0	0.415	2	3.645	4	8.383	2	2319	44	3.4
3294.6	10000	38.1463	94.8394	-815	QAL	4.4	3	10.0	0	0.9	0	0.452	2	3.961	4	8.763	2	2341	37	3.4
3294.7	10000	38.1469	94.8394	-818	QAL	4.4	3	10.0	0	0.9	0	0.434	2	3.806	4	8.761	2	2363	40	3.4
3294.8	10000	38.1475	94.8394	-821	PM	4.4	3	10.0	0	0.9	0	0.420	2	3.667	4	8.732	2	2358	42	3.4
3294.9	10000	38.1481	94.8393	-824	PM	4.4	3	10.0	0	0.9	0	0.432	2	3.736	4	8.650	2	2354	38	3.4
3295.0	10000	38.1487	94.8393	-827	PM	4.4	3	10.0	0	0.9	0	0.412	2	3.567	4	8.655	2	2363	39	3.4

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3295.1	10000	38.1493	94.8393	-829	PM	3.8	1	10.1	1	0.9	-1	0.376	0	4.012	1	10.659	1	2370	46	3.4
3295.2	10000	38.1499	94.8393	-831	PM	3.8	1	10.4	1	0.9	-1	0.364	0	4.020	1	11.046	2	2370	46	3.4
3295.3	10000	38.1504	94.8393	-833	PM	3.7	1	10.5	1	0.9	-1	0.348	0	3.948	1	11.346	2	2347	41	3.4
3295.4	10000	38.1510	94.8393	-835	PM	3.6	1	10.3	1	0.9	-1	0.350	0	4.027	1	11.507	2	2309	43	3.4
3295.5	10000	38.1516	94.8393	-836	PM	3.7	1	10.4	1	0.8	-2	0.355	-1	4.439	2	12.496	3	2286	49	3.4
3295.6	10000	38.1522	94.8393	-837	PM	3.2	0	10.5	1	0.8	-2	0.301	0	3.787	1	12.573	3	2241	43	3.4
3295.7	10000	38.1528	94.8393	-837	PM	3.4	0	10.3	1	0.8	-2	0.327	0	4.124	2	12.605	3	2210	39	3.4
3295.8	10000	38.1534	94.8393	-837	PM	3.5	0	10.1	1	0.8	-2	0.344	0	4.125	2	11.991	2	2202	41	3.4
3295.9	10000	38.1540	94.8392	-837	PM	3.4	0	9.9	0	0.9	-1	0.344	0	3.952	1	11.477	2	2204	34	3.4
3296.0	10000	38.1545	94.8392	-837	PM	3.6	1	9.7	0	0.9	-1	0.372	0	4.069	1	10.928	1	2223	36	3.4
3296.1	10000	38.1551	94.8392	-836	PM	3.8	1	9.5	0	1.0	-1	0.399	1	3.831	1	9.603	1	2264	51	3.4
3296.2	10000	38.1557	94.8392	-835	PM	3.7	1	8.5	-1	1.0	0	0.429	1	3.550	1	8.284	0	2284	52	3.3
3296.3	10000	38.1563	94.8392	-832	PP	4.3	2	8.4	-1	1.1	0	0.512	2	3.888	1	7.589	-1	2350	47	3.3
3296.4	10000	38.1569	94.8392	-831	PP	4.5	2	8.6	0	1.2	0	0.522	2	3.850	1	7.381	-1	2403	32	3.3
3296.5	10000	38.1575	94.8392	-832	PP	4.5	2	8.8	0	1.1	0	0.509	1	3.926	1	7.717	0	2430	55	3.3
3296.6	10000	38.1581	94.8392	-834	PP	5.2	3	8.6	0	1.1	0	0.599	2	4.538	2	7.581	-1	2486	34	3.3
3296.7	10000	38.1587	94.8392	-833	PP	5.1	3	8.5	0	1.2	0	0.604	3	4.313	2	7.137	-1	2541	43	3.3
3296.8	10000	38.1592	94.8392	-831	PP	5.5	4	8.7	0	1.2	0	0.629	3	4.657	2	7.410	-1	2593	46	3.3
3296.9	10000	38.1598	94.8392	-830	PP	5.7	4	9.0	0	1.2	0	0.632	3	4.855	3	7.677	0	2642	53	3.3
3297.0	10000	38.1604	94.8392	-828	PP	5.6	4	9.1	0	1.2	0	0.628	3	4.749	2	7.560	-1	2669	39	3.3
3297.1	10000	38.1610	94.8392	-826	PP	5.6	4	9.1	0	1.2	0	0.619	3	4.880	3	7.882	0	2651	50	3.3
3297.2	10000	38.1616	94.8391	-825	PP	5.9	4	8.7	0	1.2	0	0.687	3	4.995	3	7.266	-1	2640	43	3.3
3297.3	10000	38.1622	94.8391	-823	PP	4.9	3	8.7	0	1.1	0	0.568	2	4.194	2	7.386	-1	2569	49	3.3
3297.4	10000	38.1628	94.8391	-821	PP	4.9	3	8.5	0	1.1	0	0.540	2	4.436	2	8.219	0	2496	36	3.3
3297.5	10000	38.1634	94.8391	-819	PP	4.8	3	8.7	0	1.1	0	0.556	2	4.471	2	8.040	0	2441	44	3.3
3297.6	10000	38.1639	94.8391	-816	PKC	4.3	2	8.5	0	1.1	0	0.498	2	3.974	2	7.982	0	2418	45	3.3
3297.7	10000	38.1645	94.8391	-814	PKC	4.5	2	8.7	0	1.1	0	0.501	2	4.039	2	8.067	0	2382	39	3.3
3297.8	10000	38.1651	94.8391	-810	PKC	4.2	2	8.5	0	1.1	0	0.498	2	3.901	1	7.839	0	2386	41	3.3
3297.9	10000	38.1657	94.8391	-807	PKC	4.0	2	8.7	0	1.2	0	0.460	1	3.484	1	7.567	-1	2389	43	3.3
3298.0	10000	38.1663	94.8391	-804	PKC	4.1	2	8.9	0	1.2	0	0.459	1	3.387	1	7.378	-1	2425	51	3.3
3298.1	10000	38.1669	94.8391	-800	PKC	4.0	2	8.8	0	1.3	0	0.457	1	3.125	0	6.840	-1	2453	48	3.3
3298.2	10000	38.1675	94.8391	-797	PKC	3.8	2	8.2	0	1.3	0	0.412	1	2.815	0	6.840	-1	2473	45	3.3
3298.3	10000	38.1680	94.8391	-793	PKC	4.4	2	9.3	0	1.3	0	0.477	1	3.398	1	7.129	-1	2478	42	3.3
3298.4	10000	38.1686	94.8391	-788	PKC	4.1	2	9.4	0	1.3	0	0.441	1	3.105	1	7.042	-1	2492	45	3.3
3298.5	10000	38.1692	94.8390	-783	PKC	4.0	2	9.3	0	1.3	0	0.435	1	2.916	1	6.709	-1	2488	42	3.3
3298.6	10000	38.1698	94.8390	-779	PKC	4.3	2	9.5	0	1.3	0	0.423	1	3.112	1	7.359	-1	2467	50	3.3
3298.7	10000	38.1704	94.8390	-774	PKC	4.3	2	9.5	0	1.3	0	0.463	1	3.502	1	7.565	-1	2431	48	3.3
3298.8	10000	38.1710	94.8390	-769	PKC	4.2	2	9.6	0	1.2	0	0.473	1	3.544	1	7.495	-1	2381	58	3.3
3298.9	10000	38.1716	94.8390	-765	PKC	4.2	2	9.3	0	1.2	0	0.491	2	3.666	1	7.458	-1	2315	57	3.3
3299.0	10000	38.1721	94.8390	-760	PKC	4.0	2	9.0	0	1.2	0	0.465	1	3.336	1	7.176	-1	2244	50	3.3
3299.1	10000	38.1727	94.8390	-753	PKC	3.9	2	8.7	0	1.1	0	0.485	2	3.692	1	7.640	-1	2187	47	3.3
3299.2	10000	38.1733	94.8390	-747	PKC	3.8	2	8.5	0	1.0	-1	0.472	1	3.639	1	8.564	0	2138	45	3.3
3299.3	10000	38.1739	94.8390	-741	PKC	3.8	2	8.8	0	1.0	-1	0.473	2	3.872	2	8.184	0	2112	49	3.3
3299.4	10000	38.1745	94.8390	-735	PKC	3.8	2	8.8	0	0.9	-1	0.474	2	3.905	2	8.234	0	2097	42	3.3
3299.5	10000	38.1751	94.8389	-729	PKC	3.8	2	8.8	0	0.9	-1	0.496	2	4.297	2	8.665	0	2090	54	3.3
3299.6	10000	38.1757	94.8389	-723	PKC	3.8	2	8.8	0	0.9	-1	0.491	2	4.362	2	8.891	0	2082	55	3.3
3299.7	10000	38.1763	94.8389	-718	PKC	3.8	2	8.8	0	0.9	-2	0.493	2	4.613	3	9.352	0	2072	47	3.3
3299.8	10000	38.1768	94.8389	-712	PKC	3.8	2	8.8	0	0.9	-2	0.481	2	4.323	2	8.988	0	2048	47	3.3
3299.9	10000	38.1774	94.8389	-707	PKC	3.8	2	8.8	0	0.9	-2	0.480	2	4.061	2	8.461	0	2026	46	3.3
3300.0	10000	38.1780	94.8389	-702	PKC	3.8	2	8.8	0	0.8	-2	0.482	2	4.355	2	9.031	0	2012	54	3.4
3300.1	10000	38.1786	94.8389	-697	PKC	3.8	2	8.8	0	0.8	-2	0.477	2	4.530	2	9.494	0	2000	47	3.4
3300.2	10000	38.1792	94.8389	-692	PKC	3.6	2	8.8	0	0.8	-2	0.479	2	4.392	2	9.169	1	2000	40	3.4

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
3300.3	10000	38.1798	94.8389	-688	PKC	3.8	1	7.2	-2	0.8	-2	0.520	2	4.813	3	9.260	1	2013	45	3.4
3300.4	10000	38.1804	94.8389	-686	PKC	3.8	1	7.3	-2	0.8	-2	0.512	2	4.916	3	9.600	1	2029	50	3.4
3300.5	10000	38.1809	94.8389	-685	PKC	4.0	1	7.6	-1	0.8	-2	0.528	2	5.126	3	9.702	1	2051	33	3.4
3300.6	10000	38.1815	94.8389	-686	PKC	4.2	2	7.5	-1	0.8	-2	0.558	2	5.394	3	9.673	1	2072	45	3.4
3300.7	10000	38.1821	94.8389	-685	PKC	4.4	2	6.9	-2	0.8	-2	0.644	4	5.720	4	8.882	0	2081	42	3.4
3300.8	10000	38.1827	94.8388	-685	PKC	4.6	2	6.5	-2	0.8	-2	0.702	4	5.667	4	8.077	0	2090	37	3.4
3300.9	10000	38.1833	94.8388	-685	PKC	4.7	3	6.3	-2	0.8	-2	0.748	4	5.906	4	7.894	0	2096	47	3.4
3301.0	10000	38.1839	94.8388	-685	PKC	4.7	3	6.2	-2	0.8	-2	0.760	5	5.834	4	7.674	-1	2099	55	3.4
3301.1	10000	38.1845	94.8388	-686	PKC	4.9	3	5.8	-3	0.8	-2	0.837	6	5.834	4	6.971	-1	2100	41	3.4
5462.3	10000	38.1848	94.8383	-697	PKC	3.5	1	9.1	0	1.0	-1	0.384	0	3.440	1	8.958	0	1968	44	1.3
5462.4	10000	38.1853	94.8384	-698	PKC	3.6	1	9.0	0	1.0	-1	0.406	0	3.599	1	8.869	0	1973	38	1.3
5462.5	10000	38.1859	94.8384	-700	PKC	3.6	1	9.1	0	1.0	-1	0.394	0	3.586	1	9.106	1	1980	51	1.3
5462.6	10000	38.1864	94.8385	-702	PKC	3.6	1	9.0	0	1.0	-1	0.397	0	3.577	1	9.015	1	1982	44	1.3
5462.7	10000	38.1870	94.8385	-703	PKC	3.6	1	9.1	0	1.0	-1	0.390	0	3.655	1	9.382	1	1982	46	1.3
5462.8	10000	38.1875	94.8386	-705	PKC	3.7	1	9.2	0	0.9	-1	0.401	1	3.954	1	9.856	1	1983	45	1.3
5462.9	10000	38.1881	94.8387	-708	PKC	4.0	1	9.5	0	0.9	-1	0.416	1	4.409	2	10.604	2	2000	45	1.3
5463.0	10000	38.1887	94.8387	-710	PKC	4.0	1	9.4	0	0.9	-2	0.419	1	4.561	2	10.884	2	2000	47	1.3
5463.1	10000	38.1892	94.8388	-713	PKC	3.7	1	9.8	0	0.9	-1	0.375	1	4.175	2	11.137	2	2007	47	1.3
5463.2	10000	38.1898	94.8388	-715	PKC	3.7	1	9.8	0	0.9	-1	0.373	1	4.191	2	11.230	2	2014	48	1.4
5463.3	10000	38.1903	94.8389	-718	PKC	3.7	1	10.0	0	0.9	-1	0.367	1	4.234	2	11.549	3	2018	45	1.4
5463.4	10000	38.1909	94.8389	-722	PKC	3.6	1	10.3	1	0.9	-1	0.345	1	3.954	1	11.467	2	2037	46	1.4
5463.5	10000	38.1914	94.8390	-725	PKC	3.4	1	10.6	1	1.0	-1	0.324	1	3.605	1	11.121	2	2049	41	1.4
5463.6	10000	38.1920	94.8390	-729	PKC	3.3	1	10.5	1	1.0	-1	0.315	-1	3.304	1	10.499	2	2052	51	1.4
5463.7	10000	38.1926	94.8391	-732	PKC	3.1	1	10.4	1	1.0	-1	0.299	-1	3.120	1	10.448	2	2043	48	1.4
5463.8	10000	38.1931	94.8391	-736	PKC	3.2	1	10.0	1	1.0	-1	0.325	0	3.298	1	10.148	1	2041	52	1.4
5463.9	10000	38.1937	94.8392	-739	PKC	3.3	1	10.1	1	1.0	-1	0.332	0	3.346	1	10.089	1	2034	47	1.4
5464.0	10000	38.1942	94.8393	-742	PKC	3.5	1	10.3	1	1.0	-1	0.338	0	3.505	1	10.381	2	2040	52	1.4
5464.1	10000	38.1948	94.8393	-745	PKC	3.7	1	9.9	0	1.0	-1	0.371	0	3.726	1	10.053	2	2029	37	1.4
5464.2	10000	38.1953	94.8394	-748	PKC	3.8	1	9.9	0	1.0	-1	0.382	0	3.936	1	10.311	2	2035	41	1.4
5464.3	10000	38.1959	94.8394	-751	PKC	3.9	1	9.5	0	1.0	-1	0.412	0	4.098	1	9.938	1	2054	44	1.4
5464.4	10000	38.1964	94.8395	-754	PKC	4.5	2	9.3	0	1.0	-1	0.472	0	4.559	1	9.659	1	2106	64	1.4
5464.5	10000	38.1970	94.8395	-756	PKC	4.5	2	9.5	0	1.0	-1	0.479	0	4.571	1	9.540	1	2128	56	1.4
5464.6	10000	38.1976	94.8396	-759	PKC	4.6	2	9.8	0	1.0	-1	0.501	0	4.648	1	9.286	1	2167	57	1.4
5464.7	10000	38.1981	94.8396	-762	PKC	4.6	2	9.8	0	1.0	-1	0.515	0	4.267	2	8.292	1	2193	49	1.4
5464.8	10000	38.1987	94.8397	-765	PKC	4.2	2	8.8	0	1.0	-1	0.469	0	3.922	2	8.364	1	2228	41	1.4
5464.9	10000	38.1992	94.8398	-767	PKC	4.3	2	8.9	0	1.0	-1	0.468	0	3.595	2	7.676	1	2230	52	1.4
5465.0	10000	38.1998	94.8398	-769	PKC	4.1	2	8.8	0	1.0	-1	0.477	0	3.776	2	7.918	1	2215	45	1.5
5465.1	10000	38.2003	94.8399	-770	PKC	4.0	2	8.5	0	1.0	-1	0.457	0	3.486	2	7.632	1	2178	40	1.5
5465.2	10000	38.2009	94.8399	-772	PKC	4.0	2	8.6	0	1.0	-1	0.453	0	3.441	2	7.594	1	2163	36	1.5
5465.3	10000	38.2015	94.8400	-773	PKC	4.0	2	8.6	0	1.0	-1	0.479	0	3.576	2	7.470	1	2139	46	1.5
5465.4	10000	38.2020	94.8400	-774	PKC	4.2	2	8.8	0	1.0	-1	0.495	0	3.890	2	7.863	1	2101	48	1.5
5465.5	10000	38.2026	94.8401	-774	PKC	4.2	2	8.8	0	1.0	-1	0.534	0	4.011	2	7.514	1	2071	55	1.5
5465.6	10000	38.2031	94.8401	-775	PKC	4.3	2	8.8	0	1.0	-1	0.569	0	4.456	2	7.837	1	2065	44	1.5
5465.7	10000	38.2037	94.8402	-776	PKC	4.3	2	8.8	0	1.0	-1	0.513	0	4.137	2	8.071	1	2083	56	1.5
5465.8	10000	38.2042	94.8403	-777	PKC	4.5	2	8.7	0	1.0	-1	0.508	0	4.017	2	7.906	1	2097	40	1.5
5465.9	10000	38.2048	94.8403	-777	PKC	4.3	2	8.6	0	1.0	-1	0.518	0	4.187	2	8.081	1	2111	52	1.5
5466.0	10000	38.2053	94.8404	-778	PKC	4.4	2	8.8	0	1.0	-1	0.498	0	3.893	2	8.822	1	2117	35	1.5
5466.1	10000	38.2059	94.8404	-778	PKC	4.7	2	8.8	0	1.0	-1	0.500	0	4.103	2	8.210	1	2148	59	1.5
5466.2	10000	38.2065	94.8405	-779	PKC	4.6	2	8.8	0	1.0	-1	0.521	0	4.144	2	7.955	1	2122	46	1.5
5466.3	10000	38.2070	94.8405	-779	PKC	4.7	2	8.7	0	1.0	-1	0.513	0	3.963	2	7.724	1	2216	40	1.5
5466.4	10000	38.2076	94.8406	-779	PKC	4.7	2	8.7	0	1.0	-1	0.542	0	4.112	2	7.589	1	2211	45	1.5
5466.5	10000	38.2081	94.8406	-778	PKC	4.7	2	8.6	0	1.0	-1	0.551	0	4.272	2	7.759	1	2193	47	1.5

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5466.6	10000	38.2087	94.8407	-778	PKC	4.7	3	8.2	-1	1.1	0	0.574	3	4.323	2	7.526	-1	2149	47	1.5
5466.7	10000	38.2092	94.8408	-777	PKC	4.7	3	8.2	-1	1.1	0	0.572	3	4.477	2	7.824	0	2112	40	1.5
5466.8	10000	38.2098	94.8408	-776	PKC	4.3	2	8.1	-1	1.1	0	0.531	2	3.809	1	7.179	-1	2076	45	1.5
5466.9	10000	38.2103	94.8409	-776	PKC	4.0	1	7.7	-1	1.1	0	0.523	2	3.832	1	7.327	-1	2023	40	1.6
5467.0	10000	38.2109	94.8409	-775	PKC	4.0	1	7.3	-2	1.0	-1	0.551	3	4.064	2	7.380	-1	1961	41	1.6
5467.1	10000	38.2115	94.8410	-774	PKC	4.1	1	7.1	-2	1.0	-1	0.580	3	4.059	2	7.003	-1	1939	58	1.6
5467.2	10000	38.2120	94.8410	-773	PKC	4.0	1	7.2	-2	1.0	-1	0.560	3	4.047	2	7.227	-1	1916	47	1.6
5467.3	10000	38.2126	94.8411	-772	PKC	4.0	1	7.3	-2	1.0	-1	0.545	2	3.945	1	7.241	-1	1925	49	1.6
5467.4	10000	38.2131	94.8411	-770	PKC	3.8	1	7.2	-2	1.0	-1	0.529	2	3.687	1	6.967	-1	1920	44	1.6
5467.5	10000	38.2137	94.8412	-769	PKC	3.9	1	7.1	-2	1.0	-1	0.549	2	4.016	2	7.314	-1	1921	56	1.6
5467.6	10000	38.2142	94.8412	-767	PKC	4.0	1	7.8	-1	1.0	-1	0.513	2	3.977	1	7.746	0	1932	46	1.6
5467.7	10000	38.2148	94.8413	-765	PKC	4.2	2	7.9	-1	1.0	-1	0.533	2	4.145	2	7.777	0	1951	44	1.6
5467.8	10000	38.2154	94.8413	-764	PKC	4.1	1	7.6	-1	1.0	-1	0.534	2	4.040	2	7.560	-1	1941	54	1.6
5467.9	10000	38.2159	94.8413	-762	PKC	4.1	1	7.8	-1	1.0	-1	0.522	2	4.182	2	8.007	0	1938	40	1.6
5468.0	10000	38.2165	94.8413	-761	PKC	3.9	1	8.0	-1	1.0	-1	0.489	2	4.018	2	8.221	0	1919	49	1.6
5468.1	10000	38.2170	94.8413	-759	PKC	3.9	1	8.2	-1	1.0	-1	0.483	2	4.230	2	8.763	0	1913	54	1.6
5468.2	10000	38.2176	94.8412	-758	PP	4.1	1	7.9	-1	1.0	-1	0.517	2	4.424	2	8.549	0	1913	46	1.6
5468.3	10000	38.2182	94.8412	-756	PP	4.1	2	7.6	-1	1.0	-1	0.544	2	4.638	2	8.529	0	1912	43	1.6
5468.4	10000	38.2187	94.8412	-755	PP	4.0	1	7.7	-1	1.0	-1	0.524	2	4.469	2	8.535	0	1903	59	1.6
5468.5	10000	38.2193	94.8412	-754	PP	3.9	1	8.0	-1	1.0	-1	0.486	1	4.408	2	9.075	1	1897	44	1.6
5468.6	10000	38.2198	94.8412	-754	PP	3.7	1	7.8	-1	1.0	-1	0.475	1	4.088	1	8.599	0	1874	45	1.6
5468.7	10000	38.2204	94.8412	-754	PP	3.6	1	7.7	-1	1.0	-1	0.471	1	4.058	1	8.625	0	1873	51	1.6
5468.8	10000	38.2210	94.8412	-754	PP	3.5	1	7.3	-1	1.0	-1	0.476	1	3.738	1	7.860	0	1865	42	1.6
5468.9	10000	38.2215	94.8412	-754	PP	3.3	1	7.5	-1	1.0	-1	0.441	1	3.545	1	8.047	0	1845	53	1.6
5469.0	10000	38.2221	94.8412	-755	PP	3.1	1	7.4	-1	1.0	-1	0.426	1	3.383	0	7.941	0	1819	39	1.6
5469.1	10000	38.2226	94.8411	-756	PP	3.3	1	7.3	-1	1.0	-1	0.428	1	3.494	1	8.156	0	1806	45	1.6
5469.2	10000	38.2232	94.8411	-757	PP	3.1	1	6.8	-2	1.0	-1	0.476	1	3.639	1	7.644	0	1793	51	1.6
5469.3	10000	38.2238	94.8411	-759	PP	3.4	1	6.9	-2	1.0	-1	0.486	1	3.626	1	7.455	-1	1822	43	1.6
5469.4	10000	38.2243	94.8411	-761	PP	3.6	1	7.0	-2	1.0	-1	0.517	2	3.907	1	7.553	-1	1834	38	1.6
5469.5	10000	38.2249	94.8411	-764	PP	3.8	1	7.1	-2	1.0	-1	0.529	2	4.031	1	7.614	-1	1852	47	1.6
5469.6	10000	38.2255	94.8411	-766	QAL	3.8	1	7.1	-2	1.0	-1	0.547	2	4.054	1	7.415	-1	1881	48	1.6
5469.7	10000	38.2260	94.8411	-769	QAL	3.6	1	6.8	-2	1.0	-1	0.536	2	3.720	1	6.942	-1	1925	40	1.6
5469.8	10000	38.2266	94.8411	-771	QAL	3.3	1	6.4	-2	1.0	-1	0.476	1	3.273	1	6.882	-1	1968	45	1.6
5469.9	10000	38.2271	94.8410	-773	QAL	3.2	1	6.3	-2	1.0	-1	0.413	1	2.862	0	6.935	-1	2006	34	1.6
5470.0	10000	38.2277	94.8410	-776	QAL	3.2	1	6.2	-2	1.0	-1	0.402	1	2.705	0	6.733	-1	2025	43	1.6
5470.1	10000	38.2283	94.8410	-778	QAL	3.0	1	6.0	-2	1.0	-1	0.386	1	2.446	0	6.336	-1	2064	47	1.6
5470.2	10000	38.2288	94.8410	-779	QAL	3.0	1	5.9	-2	1.0	-1	0.367	1	2.373	0	6.464	-1	2102	51	1.6
5470.3	10000	38.2294	94.8410	-780	QAL	2.9	1	5.8	-2	1.0	-1	0.337	1	2.127	0	6.311	-1	2128	44	1.6
5470.4	10000	38.2299	94.8410	-780	QAL	3.0	1	5.9	-2	1.0	-1	0.356	1	2.374	0	6.675	-1	2135	47	1.6
5470.5	10000	38.2305	94.8410	-781	QAL	3.0	1	5.9	-2	1.0	-1	0.366	1	2.442	0	6.675	-1	2146	56	1.6
5470.6	10000	38.2311	94.8410	-781	QAL	3.0	1	5.9	-2	1.0	-1	0.383	1	2.502	0	6.535	-1	2167	48	1.6
5470.7	10000	38.2316	94.8410	-782	QAL	3.0	1	5.9	-2	1.0	-1	0.395	1	2.629	0	6.659	-1	2182	51	1.6
5470.8	10000	38.2322	94.8409	-782	QAL	3.0	1	5.9	-2	1.0	-1	0.397	1	2.722	0	6.858	-1	2168	39	1.6
5470.9	10000	38.2328	94.8409	-781	QAL	3.0	1	5.9	-2	1.0	-1	0.359	1	2.518	0	7.015	-1	2167	50	1.6
5471.0	10000	38.2333	94.8409	-781	QAL	3.0	1	5.9	-2	1.0	-1	0.354	1	2.436	0	6.882	-1	2149	41	1.6
5471.1	10000	38.2339	94.8409	-781	QAL	3.0	1	5.9	-2	1.0	-1	0.357	1	2.227	0	6.236	-1	2150	43	1.6
5471.2	10000	38.2344	94.8409	-781	QAL	3.0	1	5.9	-2	1.0	-1	0.353	1	2.177	0	6.171	-1	2140	54	1.6
5471.3	10000	38.2350	94.8409	-781	QAL	3.0	1	5.9	-2	1.0	-1	0.338	1	2.216	0	6.553	-1	2144	39	1.6
5471.4	10000	38.2356	94.8409	-781	QAL	3.0	1	5.9	-2	1.0	-1	0.332	1	2.302	0	7.008	-1	2148	45	1.6
5471.5	10000	38.2361	94.8409	-783	QAL	3.0	1	5.9	-2	1.0	-1	0.340	1	2.423	0	7.121	-1	2153	53	1.6
5471.6	10000	38.2367	94.8409	-784	QAL	3.0	1	5.9	-2	1.0	-1	0.331	1	2.417	0	7.304	-1	2155	41	1.5
5471.7	10000	38.2372	94.8408	-785	QAL	3.0	1	5.9	-2	1.0	-1	0.346	1	2.642	0	7.634	-1	2175	36	1.5

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5471.8	10000	38.2378	94.8408	-787	QAL	3.3	0	10.3	1	1.2	0	0.320	0	2.796	0	8.727	1	2165	43	1.5
5471.9	10000	38.2384	94.8408	-788	QAL	3.4	1	10.4	1	1.2	0	0.331	0	2.924	1	8.847	1	2174	30	1.5
5472.0	10000	38.2389	94.8408	-791	QAL	3.6	1	10.6	1	1.1	0	0.342	0	3.189	1	9.330	1	2166	45	1.5
5472.1	10000	38.2395	94.8408	-793	QAL	3.8	1	10.6	1	1.2	0	0.359	0	3.241	1	9.018	1	2170	42	1.5
5472.2	10000	38.2401	94.8408	-795	QAL	3.7	1	10.4	1	1.2	0	0.354	0	3.156	1	8.919	1	2176	46	1.5
5472.3	10000	38.2406	94.8408	-798	QAL	3.8	1	10.0	1	1.2	0	0.382	1	3.191	1	8.353	0	2181	46	1.5
5472.4	10000	38.2412	94.8408	-800	QAL	3.7	1	10.1	1	1.2	0	0.365	0	3.031	1	8.299	0	2177	48	1.5
5472.5	10000	38.2417	94.8407	-802	QAL	3.8	1	10.0	1	1.3	0	0.381	1	3.027	1	7.944	0	2201	41	1.5
5472.6	10000	38.2423	94.8407	-804	QAL	3.6	1	9.9	1	1.3	0	0.368	0	2.902	1	7.886	0	2191	46	1.5
5472.7	10000	38.2429	94.8407	-805	QAL	3.6	1	9.5	0	1.3	0	0.376	1	2.848	1	7.568	0	2176	39	1.5
5472.8	10000	38.2434	94.8407	-806	QAL	3.4	1	8.9	0	1.3	0	0.384	1	2.656	0	6.919	0	2151	47	1.5
5472.9	10000	38.2440	94.8407	-807	QAL	3.3	1	9.3	0	1.3	0	0.354	0	2.538	0	7.171	0	2120	55	1.5
5473.0	10000	38.2445	94.8407	-807	QAL	3.5	1	8.9	0	1.2	0	0.390	1	2.794	0	7.163	0	2080	43	1.4
5473.1	10000	38.2451	94.8407	-807	QAL	3.7	1	8.6	0	1.2	0	0.429	1	3.174	1	7.396	0	2030	47	1.4
5473.2	10000	38.2457	94.8407	-806	QAL	3.8	1	8.5	-1	1.2	0	0.451	2	3.309	1	7.339	0	1969	48	1.4
5473.3	10000	38.2462	94.8407	-806	QAL	3.9	2	7.9	-1	1.1	-1	0.493	2	3.636	2	7.374	0	1910	52	1.4
5473.4	10000	38.2468	94.8406	-806	QAL	4.0	2	7.4	-1	1.0	-1	0.539	3	3.890	2	7.219	0	1872	54	1.4
5473.5	10000	38.2473	94.8406	-805	QAL	4.1	2	7.2	-2	0.9	-1	0.562	3	4.407	3	7.846	0	1825	45	1.4
5473.6	10000	38.2479	94.8406	-804	QAL	4.1	2	6.6	-2	0.9	-1	0.629	4	4.690	3	7.458	0	1789	42	1.4
5473.7	10000	38.2485	94.8406	-804	PKC	4.1	2	6.5	-2	0.8	-2	0.638	4	4.991	3	7.817	0	1760	46	1.4
5473.8	10000	38.2490	94.8406	-804	PKC	4.0	2	6.3	-2	0.8	-2	0.629	3	4.726	3	7.512	-1	1744	36	1.4
5473.9	10000	38.2496	94.8406	-803	PKC	4.0	2	6.3	-2	0.8	-2	0.588	3	4.617	2	7.847	0	1733	47	1.4
5474.0	10000	38.2502	94.8406	-803	PKC	4.0	2	6.7	-2	0.8	-2	0.546	2	4.558	2	8.349	0	1741	42	1.4
5474.1	10000	38.2507	94.8406	-802	PKC	4.0	1	7.0	-2	0.8	-2	0.508	2	4.211	2	8.286	0	1757	39	1.4
5474.2	10000	38.2513	94.8405	-802	PKC	4.0	1	7.6	-1	0.9	-2	0.476	1	4.194	2	8.810	0	1799	41	1.3
5474.3	10000	38.2518	94.8405	-802	PKC	4.0	1	7.7	-1	0.9	-2	0.447	1	4.180	2	9.349	1	1858	45	1.3
5474.4	10000	38.2524	94.8405	-801	PKC	4.0	1	8.3	-1	0.9	-2	0.433	1	3.905	2	9.022	1	1899	36	1.3
5474.5	10000	38.2530	94.8405	-800	PKC	4.0	1	8.5	-1	1.0	-2	0.434	1	3.905	2	8.991	0	1910	58	1.3
5474.6	10000	38.2535	94.8405	-801	PKC	4.0	1	8.5	-1	1.0	-2	0.459	1	3.921	2	8.549	0	1924	49	1.3
5474.7	10000	38.2541	94.8405	-801	PKC	4.0	1	8.8	-1	1.0	-2	0.498	1	3.997	2	8.023	0	1916	54	1.3
5474.8	10000	38.2547	94.8405	-801	PKC	4.0	1	8.8	-1	1.0	-2	0.520	2	4.079	2	7.845	1	1886	48	1.3
5474.9	10000	38.2552	94.8405	-802	PKC	4.0	1	8.8	-1	1.0	-2	0.563	2	4.083	2	7.259	-1	1859	40	1.3
5475.0	10000	38.2558	94.8405	-802	PKC	4.0	1	8.8	-1	1.0	-2	0.569	2	4.011	2	7.046	-1	1813	64	1.3
5475.1	10000	38.2563	94.8404	-801	PKC	4.0	1	8.8	-1	1.0	-2	0.568	2	4.224	2	7.431	-1	1779	46	1.3
5475.2	10000	38.2569	94.8404	-801	PKC	4.0	1	8.8	-1	1.0	-2	0.549	2	4.282	2	7.802	0	1772	49	1.3
5475.3	10000	38.2575	94.8404	-802	PKC	4.0	1	8.8	-1	1.0	-2	0.509	2	4.214	2	8.273	0	1780	49	1.3
5475.4	10000	38.2580	94.8404	-801	PKC	4.0	1	8.8	-1	1.0	-2	0.503	2	4.041	2	8.026	0	1797	48	1.3
5475.5	10000	38.2586	94.8404	-801	PKC	4.0	1	8.8	-1	1.0	-2	0.500	2	4.054	2	8.114	0	1808	51	1.3
5475.6	10000	38.2591	94.8404	-801	PKC	4.0	1	8.8	-1	1.0	-2	0.501	2	3.944	1	7.875	0	1816	44	1.3
5475.7	10000	38.2597	94.8404	-801	PKC	4.0	1	8.8	-1	1.0	-2	0.503	2	3.835	1	7.620	0	1837	70	1.3
5475.8	10000	38.2603	94.8404	-800	PKC	3.9	1	7.8	-1	1.0	-2	0.495	2	3.836	1	7.753	0	1867	40	1.3
5475.9	10000	38.2608	94.8403	-799	PKC	3.9	1	7.7	-1	1.0	-2	0.509	2	3.721	1	7.305	0	1907	45	1.3
5476.0	10000	38.2614	94.8403	-799	PKC	4.0	2	7.7	-1	1.1	-2	0.542	2	3.667	1	6.770	0	1941	42	1.3
5476.1	10000	38.2620	94.8403	-798	PKC	4.2	2	8.1	-1	1.1	-2	0.501	2	3.438	1	6.866	0	1989	50	1.3
5476.2	10000	38.2625	94.8403	-797	PKC	4.1	2	8.9	-1	1.2	-2	0.477	2	3.436	1	7.208	0	2041	53	1.3
5476.3	10000	38.2631	94.8403	-795	PKC	4.0	2	9.9	0	1.2	-2	0.424	2	3.243	1	7.644	0	2079	47	1.3
5476.4	10000	38.2636	94.8403	-794	QAL	4.1	2	10.1	0	1.2	-2	0.441	2	3.337	1	7.570	0	2110	46	1.3
5476.5	10000	38.2642	94.8403	-793	QAL	4.2	2	9.9	0	1.2	-2	0.442	2	3.387	1	7.658	0	2134	49	1.3
5476.6	10000	38.2648	94.8403	-792	QAL	4.2	2	9.9	0	1.2	-2	0.442	2	3.420	1	7.744	0	2159	54	1.3
5476.7	10000	38.2653	94.8403	-792	QAL	4.4	2	9.9	0	1.2	-2	0.417	2	3.430	1	7.712	0	2177	49	1.3
5476.8	10000	38.2659	94.8402	-792	QAL	4.5	2	9.9	0	1.2	-2	0.444	2	3.427	1	7.614	0	2159	33	1.3
5476.9	10000	38.2664	94.8402	-791	QAL	4.5	2	9.9	0	1.2	-2	0.450	2	3.659	1	7.130	0	2152	54	1.2

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5477.0	10000	38.2670	94.8402	-790	QAL	4.5	3	9.5	0	1.2	0	0.469	2	3.602	2	7.678	0	2137	49	1.2
5477.1	10000	38.2676	94.8402	-790	QAL	4.4	3	9.6	0	1.2	0	0.460	2	3.724	2	8.088	0	2124	51	1.2
5477.2	10000	38.2681	94.8402	-789	QAL	4.1	2	9.5	0	1.2	0	0.437	2	3.457	1	7.909	0	2109	57	1.2
5477.3	10000	38.2687	94.8402	-788	QAL	4.2	2	9.5	0	1.1	0	0.439	2	3.611	2	8.223	0	2088	51	1.2
5477.4	10000	38.2692	94.8402	-788	QAL	4.1	2	8.7	0	1.2	0	0.467	2	3.396	1	7.279	0	2077	40	1.2
5477.5	10000	38.2698	94.8401	-787	QAL	3.7	1	9.3	0	1.2	0	0.397	1	3.123	1	7.861	0	2078	38	1.2
5477.6	10000	38.2704	94.8401	-786	QAL	3.5	1	9.2	0	1.1	0	0.383	1	3.079	1	8.049	0	2066	37	1.2
5477.7	10000	38.2709	94.8401	-785	QAL	3.7	1	9.4	0	1.1	0	0.391	1	3.253	1	8.319	0	2047	45	1.2
5477.8	10000	38.2715	94.8401	-784	QAL	3.6	1	8.9	0	1.2	0	0.399	1	3.069	1	7.699	0	2019	48	1.2
5477.9	10000	38.2720	94.8401	-782	QAL	3.7	1	8.2	-1	1.2	0	0.455	2	3.209	1	7.051	0	1986	48	1.2
5478.0	10000	38.2726	94.8401	-781	QAL	4.0	2	7.5	-1	1.2	0	0.529	3	3.428	1	6.474	-1	1955	40	1.2
5478.1	10000	38.2732	94.8401	-779	QAL	4.0	2	7.2	-2	1.1	-1	0.556	3	3.643	2	6.549	-1	1911	47	1.2
5478.2	10000	38.2737	94.8401	-778	QAL	4.1	2	6.9	-2	1.1	-1	0.589	4	3.775	2	6.412	-1	1880	49	1.2
5478.3	10000	38.2743	94.8401	-776	QAL	4.2	2	6.8	-2	1.1	-1	0.622	4	4.007	2	6.448	-1	1847	57	1.2
5478.4	10000	38.2749	94.8400	-774	QAL	4.1	2	6.4	-2	1.0	-1	0.638	5	4.036	2	6.329	-1	1834	43	1.2
5478.5	10000	38.2754	94.8400	-771	QAL	4.1	2	6.8	-2	1.0	-1	0.605	4	4.111	2	6.799	-1	1836	38	1.2
5478.6	10000	38.2760	94.8400	-768	QAL	4.0	2	7.5	-1	1.0	-1	0.543	3	4.075	2	7.509	0	1852	43	1.2
5478.7	10000	38.2765	94.8400	-765	QAL	3.8	1	8.0	-1	1.0	-1	0.469	2	3.804	2	8.118	0	1880	48	1.2
5478.8	10000	38.2771	94.8400	-763	QAL	3.6	1	8.8	0	1.0	-1	0.415	1	3.617	2	8.726	1	1936	46	1.2
5478.9	10000	38.2777	94.8400	-760	QAL	3.7	1	9.0	0	1.0	-1	0.406	1	3.510	1	8.646	1	1985	40	1.2
5479.0	10000	38.2782	94.8400	-758	QAL	3.7	1	9.7	0	1.1	-1	0.377	1	3.406	1	9.044	1	2052	55	1.2
5479.1	10000	38.2788	94.8400	-756	PKC	3.7	1	10.4	1	1.1	0	0.351	0	3.269	0	9.302	1	2105	44	1.2
5479.2	10000	38.2794	94.8400	-753	PKC	3.8	1	10.5	1	1.2	0	0.367	0	3.270	0	8.912	0	2150	35	1.2
5479.3	10000	38.2799	94.8399	-752	PKC	3.8	1	10.2	1	1.2	0	0.370	0	3.122	0	8.435	0	2186	48	1.2
5479.4	10000	38.2805	94.8399	-750	PKC	3.9	1	10.5	1	1.2	1	0.376	0	3.151	0	8.389	0	2201	40	1.2
5479.5	10000	38.2810	94.8399	-749	PKC	3.9	1	10.2	1	1.3	1	0.377	0	2.969	0	7.884	0	2191	43	1.2
5479.6	10000	38.2816	94.8399	-748	PKC	3.9	1	10.3	1	1.3	1	0.375	0	2.966	0	7.899	0	2182	47	1.2
5479.7	10000	38.2822	94.8399	-746	PKC	3.7	1	9.9	0	1.3	1	0.372	0	2.884	0	7.747	0	2177	39	1.2
5479.8	10000	38.2827	94.8399	-746	PKC	3.7	1	9.6	0	1.3	1	0.380	0	2.885	0	7.590	-1	2154	39	1.2
5479.9	10000	38.2833	94.8399	-745	PKC	3.5	1	9.6	0	1.3	1	0.364	0	2.897	0	8.127	0	2139	48	1.2
5480.0	10000	38.2838	94.8399	-744	PKC	3.6	1	9.7	0	1.3	1	0.371	0	3.045	0	8.190	0	2129	45	1.2
5480.1	10000	38.2844	94.8398	-745	PKC	3.6	1	9.3	0	1.3	1	0.387	0	2.680	0	9.086	0	2102	57	1.2
5480.2	10000	38.2850	94.8398	-745	PKC	3.3	1	9.2	0	1.3	1	0.359	0	2.840	0	8.969	0	2083	43	1.2
5480.3	10000	38.2855	94.8398	-745	PKC	3.3	1	9.2	0	1.3	1	0.359	0	2.066	0	9.246	0	2062	33	1.2
5480.4	10000	38.2861	94.8398	-745	PKC	3.5	1	9.2	0	1.3	1	0.380	0	2.285	0	9.425	0	2034	52	1.2
5480.5	10000	38.2867	94.8398	-745	PKC	3.5	1	9.2	0	1.3	1	0.380	0	2.417	0	10.064	0	2040	64	1.2
5480.6	10000	38.2872	94.8398	-745	PKC	3.5	1	9.2	0	1.3	1	0.380	0	2.520	0	10.058	0	2031	49	1.2
5480.7	10000	38.2878	94.8398	-745	PKC	3.5	1	9.2	0	1.3	1	0.380	0	2.455	0	9.078	0	2015	44	1.2
5480.8	10000	38.2883	94.8398	-744	PKC	3.9	1	9.2	0	1.3	1	0.424	0	2.933	0	9.237	0	2014	45	1.2
5480.9	10000	38.2889	94.8398	-744	PKC	3.8	1	9.5	0	1.3	1	0.402	0	2.203	1	10.461	1	2003	39	1.2
5481.0	10000	38.2895	94.8397	-744	PKC	3.8	1	9.2	0	1.3	1	0.386	0	2.311	1	10.161	1	1999	42	1.2
5481.1	10000	38.2900	94.8397	-743	PKC	3.8	1	9.2	0	1.3	1	0.351	0	2.013	1	11.421	1	1992	30	1.2
5481.2	10000	38.2906	94.8397	-742	PKC	3.8	1	9.2	0	1.3	1	0.354	0	2.781	1	10.688	1	1960	39	1.2
5481.3	10000	38.2911	94.8397	-740	PKC	3.8	1	9.2	0	1.3	1	0.345	0	2.656	1	10.585	1	1928	42	1.2
5481.4	10000	38.2917	94.8397	-738	PKC	3.8	1	9.2	0	1.3	1	0.341	0	2.863	1	11.321	1	1907	43	1.2
5481.5	10000	38.2923	94.8397	-736	PKC	3.8	1	9.2	0	1.3	1	0.343	0	2.919	1	11.413	1	1882	34	1.2
5481.6	10000	38.2928	94.8397	-733	PKC	3.8	1	9.2	0	1.3	1	0.353	0	2.938	1	11.153	1	1862	37	1.2
5481.7	10000	38.2934	94.8397	-730	PKC	3.8	1	9.2	0	1.3	1	0.386	0	3.072	1	10.542	1	1855	37	1.2
5481.8	10000	38.2939	94.8396	-726	PKC	3.8	1	9.2	0	1.3	1	0.412	0	3.062	1	9.849	1	1837	34	1.2
5481.9	10000	38.2945	94.8396	-723	PKC	3.8	1	9.2	0	1.3	1	0.447	0	3.430	1	9.908	1	1847	57	1.2
5482.0	10000	38.2951	94.8396	-721	PKC	3.8	1	9.2	0	1.3	1	0.424	0	3.282	1	10.094	1	1883	54	1.2
5482.1	10000	38.2956	94.8396	-718	PKC	3.8	1	9.2	0	1.3	1	0.429	0	3.167	1	9.708	1	1909	42	1.2

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EJAIR PPM
5482.2	10000	38.2962	94.8396	-713	PKC	3.5	0	8.7	0	0.9	-1	0.403	1	3.924	1	9.743	1	1942	52	1.4
5482.3	10000	38.2968	94.8396	-708	PKC	3.5	0	8.5	-1	0.9	-1	0.412	1	3.724	1	9.044	1	1967	56	1.4
5482.4	10000	38.2973	94.8396	-705	PKC	3.2	0	8.9	0	1.0	-1	0.363	0	3.357	1	9.237	1	2004	53	1.5
5482.5	10000	38.2979	94.8396	-698	PKC	3.2	0	9.2	0	1.0	-1	0.351	0	3.322	0	9.455	1	2059	50	1.5
5482.6	10000	38.2984	94.8396	-692	PKC	3.4	0	9.8	0	1.0	-1	0.346	0	3.387	1	9.787	1	2105	45	1.5
5432.7	10000	38.2990	94.8395	-687	PKC	3.4	0	10.2	1	1.1	0	0.332	0	3.162	0	9.515	1	2123	48	1.5
5482.8	10000	38.2996	94.8395	-684	PKC	3.5	0	10.6	1	1.1	0	0.332	0	3.316	0	9.999	1	2157	55	1.5
5482.9	10000	38.3001	94.8395	-679	PKC	3.6	1	11.0	1	1.1	0	0.325	0	3.252	0	9.995	1	2183	51	1.5
5483.0	10000	38.3007	94.8395	-672	PKC	3.6	0	11.9	2	1.1	0	0.299	-1	3.113	0	10.421	2	2217	40	1.5
5483.1	10000	38.3012	94.8395	-665	PKC	3.7	1	11.8	2	1.2	0	0.312	-1	3.099	0	9.919	1	2221	41	1.5
5483.2	10000	38.3018	94.8395	-660	PKC	3.7	1	11.9	2	1.2	1	0.313	-1	2.998	0	9.570	1	2215	39	1.5
5483.3	10000	38.3024	94.8395	-657	PKC	3.4	1	11.9	2	1.3	1	0.283	-1	2.658	0	9.378	1	2209	47	1.5
5483.4	10000	38.3029	94.8394	-652	PKC	3.6	0	11.7	2	1.2	0	0.305	-1	2.956	0	9.703	1	2197	53	1.5
5483.5	10000	38.3035	94.8394	-648	PKC	3.5	0	11.6	2	1.2	0	0.304	-1	2.923	0	9.609	1	2161	49	1.6
5483.6	10000	38.3040	94.8394	-642	PKC	3.4	0	11.9	2	1.1	0	0.290	-1	3.021	0	10.432	2	2142	46	1.6
5483.7	10000	38.3046	94.8394	-638	PKC	3.4	0	11.4	2	1.1	0	0.300	-1	3.174	0	10.569	2	2105	36	1.6
5483.8	10000	38.3051	94.8394	-633	PKC	3.4	0	10.9	1	1.0	-1	0.312	-1	3.488	1	11.177	2	2068	49	1.6
5483.9	10000	38.3057	94.8393	-628	PKC	3.4	0	10.8	1	0.9	-1	0.317	-1	3.944	1	12.440	3	2037	36	1.6
5484.0	10000	38.3063	94.8393	-623	PKC	3.4	0	10.5	1	0.8	-2	0.326	0	4.260	2	13.051	4	1997	38	1.6
5484.1	10000	38.3068	94.8393	-618	PKC	3.6	1	10.4	1	0.8	-2	0.345	0	4.289	2	12.439	3	1986	42	1.6
5484.2	10000	38.3074	94.8393	-614	PKC	3.4	0	10.2	1	0.9	-2	0.336	0	3.987	1	11.851	3	1991	51	1.6
5484.3	10000	38.3079	94.8392	-610	PKC	3.5	0	9.5	1	1.0	-1	0.365	0	3.636	1	9.951	1	1999	46	1.6
5484.4	10000	38.3085	94.8392	-605	PKC	3.5	0	9.4	1	1.0	-1	0.373	0	3.538	1	9.492	1	2017	42	1.6
5484.5	10000	38.3090	94.8392	-601	PKC	3.5	0	9.6	1	1.1	0	0.360	0	3.229	1	8.971	0	2070	35	1.6
5484.6	10000	38.3096	94.8392	-597	PKC	3.6	1	9.9	1	1.1	0	0.361	0	3.127	0	8.650	0	2119	49	1.7
5484.7	10000	38.3101	94.8392	-593	PKC	3.4	0	10.4	1	1.2	0	0.326	0	2.833	0	8.699	0	2168	46	1.7
5484.8	10000	38.3107	94.8391	-590	PKC	3.3	0	10.5	1	1.2	0	0.314	-1	2.756	0	8.776	0	2201	41	1.7
5484.9	10000	38.3112	94.8391	-587	PKC	3.4	0	10.8	1	1.3	1	0.310	-1	2.670	0	8.623	0	2235	56	1.7
5485.0	10000	38.3118	94.8391	-584	PKC	3.3	0	11.4	2	1.2	1	0.291	-1	2.740	0	9.410	1	2258	35	1.7
5485.1	10000	38.3123	94.8391	-582	PKC	3.4	0	11.9	2	1.3	1	0.287	-1	2.665	0	9.284	1	2282	49	1.7
5485.2	10000	38.3129	94.8390	-581	PKC	3.3	0	11.6	2	1.3	1	0.283	-1	2.614	0	9.240	1	2285	46	1.7
5485.3	10000	38.3135	94.8390	-579	PKC	3.3	0	11.4	2	1.3	1	0.280	-1	2.541	0	9.091	1	2274	39	1.7
5485.4	10000	38.3140	94.8390	-579	PKC	3.3	0	11.0	2	1.3	1	0.304	-1	2.614	0	8.590	1	2259	61	1.7
5485.5	10000	38.3146	94.8390	-578	PKC	3.3	0	11.1	2	1.3	1	0.300	-1	2.539	0	8.475	1	2230	49	1.7
5485.6	10000	38.3151	94.8389	-579	PKC	3.3	0	11.1	2	1.3	1	0.303	-1	2.556	0	8.446	1	2206	37	1.7
5485.7	10000	38.3157	94.8389	-579	PKC	3.3	0	11.1	2	1.3	1	0.322	-1	2.536	0	7.884	1	2177	45	1.7
5485.8	10000	38.3162	94.8389	-582	PKC	3.3	0	11.1	2	1.3	1	0.335	-1	2.550	0	7.605	1	2150	43	1.7
5485.9	10000	38.3168	94.8389	-586	PKC	3.3	0	11.1	2	1.3	1	0.361	-1	2.656	0	7.349	1	2110	47	1.7
5486.0	10000	38.3173	94.8389	-589	PKC	3.3	0	11.1	2	1.3	1	0.404	-1	2.838	0	7.017	1	2079	36	1.7
5486.1	10000	38.3179	94.8388	-593	PKC	3.3	0	11.1	2	1.3	1	0.445	-1	3.000	0	6.738	1	2051	59	1.7
5486.2	10000	38.3184	94.8388	-597	PKC	3.3	0	11.1	2	1.3	1	0.490	-1	3.111	0	6.346	1	2021	52	1.7
5486.3	10000	38.3190	94.8388	-602	PKC	3.3	0	11.1	2	1.3	1	0.521	-1	3.294	0	6.327	1	1980	42	1.7
5486.4	10000	38.3195	94.8388	-606	PKC	3.3	0	11.1	2	1.3	1	0.560	-1	3.754	0	6.702	1	1970	44	1.7
5486.5	10000	38.3201	94.8387	-611	PKC	3.3	0	11.1	2	1.3	1	0.582	-1	4.038	0	6.945	1	1943	55	1.7
5486.6	10000	38.3207	94.8387	-616	PKC	3.3	0	11.1	2	1.3	1	0.560	-1	4.023	0	7.181	1	1927	50	1.8
5486.7	10000	38.3212	94.8387	-622	PKC	3.3	0	11.1	2	1.3	1	0.513	-1	3.912	0	7.626	1	1906	48	1.8
5486.8	10000	38.3218	94.8387	-627	PKC	3.3	0	11.1	2	1.3	1	0.495	-1	3.957	0	7.994	1	1886	43	1.8
5486.9	10000	38.3223	94.8387	-634	PKC	3.3	0	11.1	2	1.3	1	0.492	-1	3.974	0	8.070	1	1882	57	1.8
5487.0	10000	38.3229	94.8386	-639	PKC	3.3	0	11.1	2	1.3	1	0.464	-1	3.688	0	7.949	1	1877	55	1.8
5487.1	10000	38.3234	94.8386	-645	PKC	3.3	0	11.1	2	1.3	1	0.454	-1	3.773	0	8.317	1	1858	44	1.8
5487.2	10000	38.3240	94.8386	-651	PKC	3.3	0	11.1	2	1.3	1	0.448	-1	3.789	0	8.459	1	1865	52	1.8
5487.3	10000	38.3245	94.8386	-655	PKC	3.5	0	8.0	-1	0.9	-1	0.432	1	3.858	0	8.928	1	1866	47	1.7

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5487.4	10000	38.3251	94.8385	-659	PKC	3.5	0	8.2	-1	0.9	-1	0.429	1	3.818	1	8.903	0	1883	40	1.7
5487.5	10000	38.3257	94.8385	-661	PKC	3.5	0	7.9	-1	0.9	-1	0.443	1	3.725	1	8.413	0	1899	44	1.7
5487.6	10000	38.3262	94.8385	-666	PKC	3.4	0	8.2	-1	1.0	-1	0.418	1	3.544	1	8.480	0	1920	51	1.7
5487.7	10000	38.3268	94.8385	-675	PKC	3.6	1	8.3	-1	1.0	-1	0.437	1	3.797	1	8.685	0	1936	37	1.8
5487.8	10000	38.3273	94.8384	-682	PKC	3.3	0	7.9	-1	1.0	-1	0.421	1	3.351	1	7.962	0	1939	51	1.8
5487.9	10000	38.3279	94.8384	-688	PKC	3.5	0	7.7	-1	1.0	-1	0.451	1	3.488	1	7.730	0	1939	71	1.8
5488.0	10000	38.3284	94.8384	-691	PKC	3.4	0	7.2	-2	1.0	-1	0.476	1	3.441	1	7.233	-1	1939	47	1.8
5488.1	10000	38.3290	94.8384	-695	PKC	3.4	0	7.1	-2	1.0	-1	0.481	2	3.340	1	6.938	-1	1930	53	1.7
5488.2	10000	38.3295	94.8383	-697	PKC	3.5	0	7.4	-2	1.0	-1	0.472	1	3.514	1	7.446	-1	1933	39	1.7
5488.3	10000	38.3301	94.8383	-698	PKC	3.6	1	7.4	-1	1.0	-1	0.490	2	3.733	1	7.619	-1	1914	51	1.7
5488.4	10000	38.3306	94.8383	-700	PKC	3.6	1	7.4	-2	1.0	-1	0.486	2	3.652	1	7.522	-1	1906	55	1.7
5488.5	10000	38.3312	94.8383	-702	PKC	3.6	1	7.4	-2	1.0	-1	0.485	2	3.692	1	7.613	-1	1899	35	1.7
5488.6	10000	38.3317	94.8383	-705	PKC	3.3	0	7.5	-1	1.0	-1	0.436	1	3.358	1	7.701	-1	1870	38	1.7
5488.7	10000	38.3323	94.8382	-709	PKC	3.4	0	7.8	-1	1.0	-1	0.443	1	3.597	1	8.125	0	1853	42	1.7
5488.8	10000	38.3329	94.8382	-713	PKC	3.6	1	7.7	-1	0.9	-1	0.470	1	3.992	1	8.490	0	1843	40	1.7
5488.9	10000	38.3334	94.8382	-719	PKC	3.7	1	7.6	-1	0.9	-1	0.485	2	4.176	2	8.610	0	1821	43	1.7
5489.0	10000	38.3340	94.8382	-725	PKC	3.5	0	7.2	-1	0.9	-1	0.469	1	4.045	2	8.630	0	1809	51	1.7
5489.1	10000	38.3345	94.8382	-731	PKC	3.4	0	7.8	-1	0.8	-2	0.439	1	4.062	2	9.246	1	1800	44	1.7
5489.2	10000	38.3351	94.8381	-736	PKC	3.4	0	7.8	-1	0.9	-2	0.430	1	3.871	1	9.003	1	1794	34	1.7
5489.3	10000	38.3356	94.8381	-741	PKC	3.5	0	8.0	-1	0.9	-1	0.436	1	4.006	1	9.190	1	1811	43	1.7
5489.4	10000	38.3362	94.8381	-748	PKC	3.4	0	8.0	-1	0.9	-1	0.419	1	3.836	1	9.166	1	1816	48	1.7
5489.5	10000	38.3367	94.8381	-754	PKC	3.1	0	8.2	-1	0.9	-1	0.374	1	3.406	1	9.101	1	1837	44	1.7
5489.6	10000	38.3373	94.8380	-760	PKC	2.8	-1	8.6	-1	0.9	-1	0.330	0	3.064	1	9.284	1	1870	48	1.7
5489.7	10000	38.3379	94.8380	-767	PKC	3.0	-1	8.8	0	0.9	-1	0.344	0	3.198	1	9.307	1	1928	34	1.7
5489.8	10000	38.3384	94.8380	-774	PKC	3.1	0	9.1	0	1.0	-1	0.346	0	3.198	0	9.238	1	1988	46	1.7
5489.9	10000	38.3390	94.8380	-781	PKC	3.1	0	9.7	0	1.0	-1	0.322	0	3.062	0	9.517	1	2061	38	1.7
5490.0	10000	38.3395	94.8379	-787	PKC	3.2	1	10.0	1	1.1	0	0.316	-1	2.906	0	9.198	1	2132	46	1.7
5490.1	10000	38.3401	94.8379	-793	PKC	3.1	0	10.6	1	1.2	0	0.291	-1	2.653	0	9.128	1	2199	31	1.7
5490.2	10000	38.3406	94.8379	-799	PKC	3.4	0	11.1	1	1.3	1	0.304	-1	2.687	0	8.830	0	2249	53	1.7
5490.3	10000	38.3412	94.8379	-805	PKC	3.1	0	10.3	1	1.2	1	0.302	-1	2.536	-1	8.410	0	2277	40	1.7
5490.4	10000	38.3417	94.8378	-810	PKC	3.3	0	10.8	1	1.3	1	0.269	-1	2.305	-1	8.576	0	2273	45	1.7
5490.5	10000	38.3423	94.8378	-815	PKC	3.3	0	10.8	1	1.3	1	0.275	-1	2.305	-1	8.389	0	2275	44	1.6
5490.6	10000	38.3428	94.8378	-819	PKC	3.3	0	10.8	1	1.3	1	0.265	-1	2.215	-1	8.352	0	2264	38	1.6
5490.7	10000	38.3434	94.8378	-822	PKC	3.3	0	10.8	1	1.3	1	0.256	-1	2.152	-1	8.392	0	2233	42	1.6
5490.8	10000	38.3440	94.8378	-824	PKC	3.3	0	10.8	1	1.3	1	0.273	-1	2.252	-1	8.251	0	2216	42	1.6
5490.9	10000	38.3445	94.8377	-826	PKC	3.3	0	10.8	1	1.3	1	0.278	-1	2.331	-1	8.386	0	2199	54	1.6
5491.0	10000	38.3451	94.8377	-827	PKC	3.3	0	10.8	1	1.3	1	0.285	-1	2.393	-1	8.445	0	2196	46	1.6
5491.1	10000	38.3456	94.8377	-827	PKC	3.3	0	10.8	1	1.3	1	0.298	-1	2.448	-1	8.204	0	2211	52	1.6
5491.2	10000	38.3462	94.8377	-826	QAL	3.3	0	10.8	1	1.3	1	0.329	-1	2.662	-1	8.086	0	2214	51	1.6
5491.3	10000	38.3467	94.8376	-824	QAL	3.3	0	10.8	1	1.3	1	0.376	-1	2.979	-1	7.920	0	2218	41	1.6
5491.4	10000	38.3473	94.8376	-821	QAL	3.3	0	10.8	1	1.3	1	0.408	-1	3.237	-1	7.927	0	2239	42	1.6
5491.5	10000	38.3478	94.8376	-821	QAL	3.3	0	10.8	1	1.3	1	0.427	-1	3.415	-1	7.995	0	2260	38	1.6
5491.6	10000	38.3484	94.8376	-821	QAL	3.3	0	10.8	1	1.3	1	0.445	-1	3.491	-1	7.841	0	2257	43	1.6
5491.7	10000	38.3489	94.8376	-822	QAL	3.3	0	10.8	1	1.3	1	0.483	-1	3.689	-1	7.644	0	2245	52	1.6
5491.8	10000	38.3495	94.8375	-821	QAL	3.3	0	10.8	1	1.3	1	0.529	-1	3.921	-1	7.411	0	2223	47	1.6
5491.9	10000	38.3501	94.8375	-819	QAL	3.3	0	10.8	1	1.3	1	0.497	-1	3.612	-1	7.265	0	2203	56	1.6
5492.0	10000	38.3506	94.8375	-817	QAL	3.3	0	10.8	1	1.3	1	0.470	-1	3.520	-1	7.489	0	2172	42	1.6
5492.1	10000	38.3512	94.8375	-814	QAL	3.3	0	10.8	1	1.3	1	0.450	-1	3.319	-1	7.372	0	2154	43	1.6
5492.2	10000	38.3517	94.8374	-812	QAL	3.3	0	10.8	1	1.3	1	0.427	-1	3.046	-1	7.135	0	2124	48	1.6
5492.3	10000	38.3523	94.8374	-808	QAL	3.3	0	10.8	1	1.3	1	0.389	-1	2.880	-1	7.405	0	2132	49	1.6
5492.4	10000	38.3528	94.8374	-805	QAL	3.3	0	10.8	1	1.3	1	0.342	-1	2.541	-1	7.422	0	2135	59	1.6
5492.5	10000	38.3534	94.8374	-802	QAL	3.0	0	10.2	1	1.4	1	0.294	-1	2.170	-1	7.375	0	2150	54	1.6

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5492.6	10000	38.3539	94.8373	-799	QAL	2.9	0	10.0	1	1.4	1	0.286	-1	2.021	-1	7.076	0	2171	41	1.6
5492.7	10000	38.3545	94.8373	-796	QAL	3.0	0	9.8	1	1.4	1	0.304	0	2.146	-1	7.049	0	2176	41	1.6
5492.8	10000	38.3550	94.8373	-794	QAL	2.9	0	9.6	0	1.4	1	0.305	0	2.086	-1	6.849	0	2166	48	1.5
5492.9	10000	38.3556	94.8373	-792	QAL	3.0	0	9.8	0	1.4	1	0.312	0	2.150	-1	6.893	0	2147	45	1.5
5493.0	10000	38.3561	94.8372	-790	QAL	2.8	0	9.8	0	1.5	1	0.291	-1	1.957	-1	6.734	-1	2140	42	1.5
5493.1	10000	38.3567	94.8372	-787	QAL	2.8	0	9.7	0	1.4	1	0.290	-1	1.965	-1	6.766	-1	2129	43	1.5
5493.2	10000	38.3573	94.8372	-782	QAL	2.8	-1	9.5	0	1.4	0	0.295	-1	2.055	-1	6.967	0	2111	27	1.5
5493.3	10000	38.3578	94.8372	-775	QAL	2.9	0	10.1	1	1.4	0	0.283	-1	2.113	-1	7.461	0	2079	43	1.5
5493.4	10000	38.3584	94.8372	-764	QAL	2.8	-1	10.1	1	1.4	1	0.274	-1	1.994	-1	7.277	0	2084	52	1.5
5493.5	10000	38.3589	94.8371	-752	QAL	2.5	-1	10.1	1	1.4	0	0.251	-1	1.861	-1	7.406	0	2075	49	1.5
5493.6	10000	38.3595	94.8371	-738	QAL	2.4	-1	10.2	1	1.4	1	0.234	-2	1.705	-1	7.278	0	2088	49	1.5
5493.7	10000	38.3600	94.8371	-725	QAL	2.7	-1	10.2	1	1.4	1	0.261	-1	1.897	-1	7.268	0	2083	51	1.5
5493.8	10000	38.3606	94.8371	-713	QAL	2.8	-1	10.2	1	1.4	1	0.275	-1	2.024	-1	7.362	0	2097	41	1.5
5493.9	10000	38.3611	94.8371	-704	QAL	3.0	0	10.3	1	1.4	1	0.289	-1	2.136	-1	7.395	0	2103	42	1.5
5494.0	10000	38.3617	94.8370	-697	QAL	3.1	0	9.7	0	1.4	0	0.317	0	2.237	0	7.065	0	2120	56	1.5
5494.1	10000	38.3622	94.8370	-692	QAL	3.0	0	9.7	0	1.3	0	0.309	0	2.284	0	7.388	0	2114	51	1.5
5494.2	10000	38.3628	94.8370	-687	QAL	2.4	1	9.7	1	1.3	0	0.348	0	2.589	0	7.437	0	2116	37	1.5
5494.3	10000	38.3634	94.8370	-682	QAL	3.3	0	9.7	0	1.2	0	0.337	0	2.638	0	7.837	0	2101	55	1.5
5494.4	10000	38.3639	94.8369	-677	QAL	3.0	0	9.4	0	1.2	0	0.323	0	2.486	0	7.709	0	2088	51	1.5
5494.5	10000	38.3645	94.8369	-671	QAL	3.0	0	9.5	0	1.2	0	0.314	0	2.453	0	7.806	0	2063	47	1.5
5494.6	10000	38.3650	94.8369	-665	QAL	2.8	-1	9.0	0	1.2	0	0.311	0	2.330	0	7.501	0	2027	43	1.5
5494.7	10000	38.3656	94.8369	-660	PKC	2.7	-1	9.1	0	1.2	0	0.295	-1	2.239	-1	7.602	-1	1964	62	1.5
5494.8	10000	38.3661	94.8368	-654	PKC	2.6	-1	8.4	-1	1.2	0	0.311	-1	2.233	-1	7.168	-1	1884	46	1.5
5494.9	10000	38.3667	94.8368	-647	PKC	2.4	-2	8.0	-1	1.1	0	0.299	-1	2.231	-1	7.462	-1	1800	51	1.5
5495.0	10000	38.3672	94.8368	-640	PKC	2.7	-1	7.6	-1	1.0	-1	0.351	0	2.588	-1	7.365	-1	1727	45	1.5
5495.1	10000	38.3678	94.8368	-633	PKC	2.8	-1	7.0	-2	1.0	-1	0.400	1	2.928	0	7.322	-1	1642	46	1.5
5495.2	10000	38.3683	94.8367	-626	PKC	2.9	-1	6.3	-2	0.9	-1	0.455	1	3.232	0	7.104	-1	1577	41	1.5
5495.3	10000	38.3689	94.8367	-619	PKC	2.9	-1	6.2	-2	0.8	-2	0.477	1	3.676	1	7.708	0	1524	39	1.5
5495.4	10000	38.3695	94.8367	-612	PKC	2.9	-1	6.0	-3	0.8	-2	0.492	1	3.900	1	7.933	0	1496	33	1.5
5495.5	10000	38.3700	94.8367	-604	PKC	3.1	-1	6.0	-3	0.8	-2	0.513	1	3.881	1	7.564	-1	1513	44	1.5
5495.6	10000	38.3706	94.8367	-596	PKC	3.0	-1	6.1	-3	0.8	-2	0.490	1	3.648	1	7.446	-1	1551	43	1.5
5495.7	10000	38.3711	94.8366	-589	PKC	3.2	-1	6.2	-2	0.9	-2	0.519	1	3.730	1	7.188	-1	1601	43	1.5
5495.8	10000	38.3717	94.8366	-582	PKC	3.3	-1	6.3	-2	0.9	-2	0.533	1	3.632	1	6.814	-1	1661	41	1.5
5495.9	10000	38.3722	94.8366	-576	PKC	3.4	-1	6.5	-2	0.9	-2	0.519	1	3.536	1	6.812	-1	1703	42	1.5
5496.0	10000	38.3728	94.8366	-571	PKC	3.4	-1	6.6	-2	0.9	-2	0.522	1	3.487	1	6.684	-1	1748	45	1.5
5496.1	10000	38.3733	94.8365	-566	PKC	3.5	-1	6.7	-2	0.9	-2	0.526	1	3.517	1	6.688	-1	1798	54	1.5
5496.2	10000	38.3739	94.8365	-563	PKC	3.5	-1	7.4	-2	1.0	-2	0.475	1	3.563	1	7.508	-1	1842	43	1.5
5496.3	10000	38.3744	94.8365	-560	PKC	3.6	-1	7.7	-2	1.0	-2	0.465	1	3.630	1	7.801	-1	1858	42	1.5
5496.4	10000	38.3750	94.8365	-557	PKC	3.5	-1	8.0	-2	1.1	-1	0.439	1	3.739	1	8.520	-1	1858	51	1.5
5496.5	10000	38.3755	94.8365	-555	PKC	3.3	-1	8.5	-2	1.1	-1	0.392	1	3.580	1	9.126	-1	1863	37	1.5
5496.6	10000	38.3761	94.8364	-553	PKC	3.4	-1	8.7	-2	1.1	-1	0.386	1	3.725	1	9.648	-1	1871	54	1.5
5496.7	10000	38.3767	94.8364	-551	PKC	3.5	-1	8.8	-2	1.1	-1	0.371	1	3.532	1	9.509	-1	1886	51	1.5
5496.8	10000	38.3772	94.8364	-550	PKC	3.5	-1	8.8	-2	1.1	-1	0.396	1	3.737	1	9.439	-1	1890	47	1.5
5496.9	10000	38.3778	94.8364	-548	PKC	3.6	-1	8.8	-2	1.1	-1	0.438	1	3.830	1	8.749	-1	1884	60	1.5
5497.0	10000	38.3783	94.8363	-545	PKC	3.5	-1	8.8	-2	1.1	-1	0.461	1	3.610	1	8.902	-1	1900	43	1.5
5497.1	10000	38.3789	94.8363	-541	PKC	3.5	-1	8.8	-2	1.1	-1	0.443	1	3.469	1	8.083	-1	1944	54	1.5
5497.2	10000	38.3794	94.8363	-538	PKC	3.5	-1	8.8	-2	1.1	-1	0.433	1	3.397	1	8.003	-1	1975	40	1.5
5497.3	10000	38.3800	94.8363	-535	PKC	3.5	-1	8.8	-2	1.1	-1	0.421	1	3.302	1	8.563	-1	2027	51	1.5
5497.4	10000	38.3805	94.8362	-531	PKC	3.5	-1	8.8	-2	1.1	-1	0.368	1	3.088	1	7.735	-1	2079	45	1.5
5497.5	10000	38.3811	94.8362	-527	PKC	3.5	-1	8.8	-2	1.1	-1	0.357	1	3.050	1	7.907	-1	2136	58	1.5
5497.6	10000	38.3817	94.8362	-523	PKC	3.5	-1	8.8	-2	1.1	-1	0.357	1	3.050	1	7.907	-1	2136	58	1.5
5497.7	10000	38.3822	94.8362	-517	PKC	3.5	-1	8.8	-2	1.1	-1	0.357	1	3.050	1	7.907	-1	2136	58	1.5

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5497.8	10000	38.3828	94.8362	-513	PKC	3.9	1	10.5	1	1.2	1	0.373	0	3.156	0	8.470	0	2234	46	1.5
5497.9	10000	38.3833	94.8361	-509	PKC	4.4	2	10.3	1	1.2	1	0.428	1	3.603	1	8.410	0	2238	45	1.5
5498.0	10000	38.3839	94.8361	-503	PKC	4.4	2	10.2	1	1.2	1	0.432	1	3.753	1	8.697	0	2232	53	1.5
5498.1	10000	38.3844	94.8361	-497	PKC	4.5	2	10.1	1	1.1	1	0.444	1	3.982	1	8.966	0	2227	52	1.5
5498.2	10000	38.3850	94.8361	-492	PKC	4.3	2	9.8	1	1.1	1	0.438	1	3.766	1	8.602	0	2220	36	1.5
5498.3	10000	38.3855	94.8360	-486	PKC	4.0	1	9.4	0	1.1	0	0.420	1	3.509	1	8.364	0	2201	36	1.5
5498.4	10000	38.3861	94.8360	-480	PKC	3.5	1	9.2	0	1.2	0	0.380	1	2.943	0	7.745	0	2185	37	1.5
5498.5	10000	38.3866	94.8360	-474	PKC	3.5	0	9.4	0	1.2	0	0.372	0	2.876	0	7.732	0	2207	37	1.5
5498.6	10000	38.3872	94.8360	-468	PP	3.4	0	9.7	0	1.2	0	0.348	0	2.809	0	8.082	0	2201	51	1.5
5498.7	10000	38.3877	94.8360	-462	PP	3.6	0	9.8	0	1.2	0	0.365	0	3.011	0	8.256	0	2196	46	1.5
5498.8	10000	38.3883	94.8359	-455	PP	3.5	0	9.5	0	1.2	0	0.372	0	2.969	0	7.984	0	2181	54	1.6
5498.9	10000	38.3889	94.8359	-449	PP	3.9	1	9.3	1	1.2	1	0.417	0	3.219	0	7.723	0	2179	53	1.6
5499.0	10000	38.3894	94.8359	-442	PP	3.9	1	9.8	1	1.2	1	0.398	0	3.183	0	8.007	0	2161	44	1.6
5499.1	10000	38.3900	94.8359	-435	PP	4.1	2	9.7	1	1.2	1	0.425	1	3.535	1	8.325	0	2154	43	1.6
5499.2	10000	38.3905	94.8358	-428	PP	4.0	1	9.4	1	1.1	1	0.425	1	3.542	1	8.345	0	2104	62	1.6
5499.3	10000	38.3911	94.8358	-421	PP	3.6	1	9.3	0	1.1	0	0.391	1	3.225	1	8.245	0	2087	49	1.6
5499.4	10000	38.3916	94.8358	-414	PP	3.3	0	9.1	0	1.2	0	0.362	0	2.801	0	7.746	0	2062	55	1.6
5499.5	10000	38.3922	94.8358	-406	PP	3.1	0	8.9	0	1.2	0	0.348	1	2.521	-1	7.235	-1	2029	40	1.6
5499.6	10000	38.3927	94.8357	-399	PP	2.8	-1	8.7	0	1.2	0	0.326	-1	2.311	-1	7.086	-1	1977	44	1.6
5499.7	10000	38.3933	94.8357	-391	PP	3.0	-1	8.3	-1	1.2	0	0.362	0	2.548	-1	7.034	-1	1953	38	1.6
5499.8	10000	38.3938	94.8357	-384	PP	2.9	-1	8.1	-1	1.2	0	0.354	1	2.430	-1	6.866	-1	1925	46	1.6
5499.9	10000	38.3944	94.8357	-378	PP	2.6	-1	8.0	-1	1.2	0	0.327	-1	2.140	-1	6.547	-1	1926	52	1.6
5500.0	10000	38.3949	94.8357	-371	PP	2.8	-1	7.7	-1	1.2	1	0.369	0	2.359	-1	6.395	-1	1910	56	1.6
5500.1	10000	38.3955	94.8357	-364	PP	2.9	-1	7.6	-1	1.2	1	0.382	0	2.491	-1	6.527	-1	1887	39	1.6
5500.2	10000	38.3960	94.8357	-357	PP	2.8	-1	7.7	-1	1.1	0	0.357	0	2.472	-1	6.925	-1	1876	48	1.6
5500.3	10000	38.3965	94.8357	-351	PP	2.9	-1	7.8	-1	1.0	0	0.372	0	2.768	0	7.432	-1	1856	47	1.6
5500.4	10000	38.3971	94.8358	-344	PP	3.0	-1	7.6	-1	1.0	0	0.390	0	2.876	0	7.372	-1	1827	49	1.6
5500.5	10000	38.3976	94.8358	-338	PP	3.0	-1	7.3	-1	1.0	-1	0.416	0	2.955	0	7.096	-1	1794	44	1.6
5500.6	10000	38.3981	94.8358	-332	PP	3.1	0	7.3	-1	1.0	-1	0.426	1	3.254	0	7.630	-1	1749	44	1.6
5500.7	10000	38.3987	94.8358	-326	PP	2.9	-1	7.2	-2	0.9	-1	0.405	0	3.204	0	7.910	0	1703	49	1.6
5500.8	10000	38.3992	94.8358	-320	PP	3.0	-1	7.2	-2	0.8	-2	0.414	0	3.489	1	8.426	0	1677	56	1.6
5500.9	10000	38.3997	94.8358	-314	PP	3.0	-1	7.2	-2	0.8	-2	0.414	0	3.455	1	8.490	0	1665	54	1.6
5501.0	10000	38.4003	94.8358	-309	PP	3.0	-1	7.1	-2	0.8	-2	0.414	0	3.454	1	8.651	0	1670	58	1.6
5501.1	10000	38.4008	94.8358	-305	PP	3.0	-1	7.1	-2	0.8	-2	0.414	0	3.428	1	8.562	0	1677	46	1.6
5501.2	10000	38.4014	94.8358	-300	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.433	1	9.065	0	1688	44	1.6
5501.3	10000	38.4019	94.8358	-297	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.476	1	8.811	0	1702	46	1.6
5501.4	10000	38.4024	94.8358	-293	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.498	1	8.632	0	1733	47	1.6
5501.5	10000	38.4029	94.8358	-291	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.508	1	8.058	0	1741	55	1.6
5501.6	10000	38.4035	94.8358	-288	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.516	1	8.124	0	1736	38	1.6
5501.7	10000	38.4040	94.8359	-286	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.486	1	8.523	0	1737	38	1.6
5501.8	10000	38.4046	94.8359	-285	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.523	1	7.205	0	1730	42	1.6
5501.9	10000	38.4051	94.8359	-283	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.536	1	6.886	0	1720	41	1.6
5502.0	10000	38.4056	94.8359	-281	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.500	1	7.166	0	1713	41	1.6
5502.1	10000	38.4062	94.8359	-279	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.529	1	6.996	0	1708	42	1.6
5502.2	10000	38.4067	94.8359	-278	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.522	1	7.381	0	1710	50	1.6
5502.3	10000	38.4072	94.8359	-276	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.513	1	7.967	0	1722	51	1.6
5502.4	10000	38.4078	94.8359	-275	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.445	1	7.972	0	1740	39	1.6
5502.5	10000	38.4083	94.8359	-273	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.392	1	8.862	0	1786	40	1.6
5502.6	10000	38.4088	94.8359	-271	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.388	1	8.648	0	1814	47	1.6
5502.7	10000	38.4094	94.8359	-270	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.358	1	8.798	0	1866	36	1.6
5502.8	10000	38.4099	94.8360	-269	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.320	1	9.261	0	1922	44	1.6
5502.9	10000	38.4104	94.8360	-268	PKC	3.0	-1	7.3	-2	0.8	-2	0.414	0	3.146	1	9.823	0	1976	41	1.6

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5503.0	10000	38.4110	94.8360	-267	PKC	2.8	-1	9.9	0	1.1	0	0.286	-1	2.618	-1	9.152	1	2027	51	1.6
5503.1	10000	38.4115	94.8360	-266	PKC	2.9	-1	10.4	1	1.1	0	0.279	-1	2.532	-1	9.086	1	2072	48	1.6
5503.2	10000	38.4121	94.8360	-265	PKC	2.9	-1	10.3	1	1.2	0	0.278	-1	2.386	-1	8.583	0	2101	29	1.6
5503.3	10000	38.4126	94.8360	-264	PKC	3.1	0	10.7	1	1.2	0	0.290	-1	2.628	-1	9.075	1	2121	42	1.6
5503.4	10000	38.4131	94.8360	-264	PKC	3.0	-1	11.1	1	1.2	1	0.270	-1	2.445	-1	9.071	1	2123	39	1.6
5503.5	10000	38.4137	94.8360	-263	PKC	2.7	-1	11.1	1	1.2	0	0.238	-2	2.207	-1	9.255	1	2118	49	1.6
5503.6	10000	38.4142	94.8360	-262	PKC	2.9	-1	10.7	1	1.2	1	0.269	-1	2.325	-1	8.648	0	2110	38	1.6
5503.7	10000	38.4147	94.8360	-262	PKC	2.9	-1	10.3	1	1.2	0	0.282	-1	2.389	-1	8.477	0	2103	43	1.6
5503.8	10000	38.4153	94.8360	-261	PKC	2.9	-1	9.9	0	1.3	1	0.289	-1	2.241	-1	7.757	0	2103	44	1.6
5503.9	10000	38.4158	94.8360	-259	PKC	3.0	-1	9.6	0	1.3	1	0.314	-1	2.300	-1	7.318	-1	2100	52	1.6
5504.0	10000	38.4163	94.8360	-258	PKC	3.0	-1	9.6	0	1.3	1	0.307	-1	2.221	-1	7.231	-1	2113	42	1.6
5504.1	10000	38.4169	94.8361	-256	PKC	3.0	-1	9.3	0	1.3	1	0.320	-1	2.227	-1	6.954	-1	2125	48	1.6
5504.2	10000	38.4174	94.8361	-254	PKC	3.3	0	9.3	0	1.3	1	0.357	0	2.528	-1	7.077	-1	2132	42	1.6
5504.3	10000	38.4180	94.8361	-253	PKC	3.2	0	9.7	0	1.3	1	0.330	0	2.394	-1	7.251	-1	2154	42	1.6
5504.4	10000	38.4185	94.8361	-251	PKC	3.2	0	10.3	1	1.4	1	0.309	-1	2.338	-1	7.560	-1	2165	39	1.6
5504.5	10000	38.4190	94.8361	-249	PKC	3.4	0	10.4	1	1.3	1	0.325	0	2.591	-1	7.979	0	2170	42	1.6
5504.6	10000	38.4196	94.8361	-246	PKC	3.4	0	10.6	1	1.2	1	0.317	-1	2.715	0	8.565	0	2163	44	1.6
5504.7	10000	38.4201	94.8361	-244	PKC	3.3	0	10.5	1	1.3	1	0.317	-1	2.624	-1	8.271	0	2171	41	1.6
5504.8	10000	38.4206	94.8361	-242	CULTRL	3.6	999	10.6	999	1.3	999	0.337	999	2.793	999	8.299	999	2182	47	1.6
5504.9	10000	38.4212	94.8361	-242	CULTRL	3.5	999	10.8	999	1.3	999	0.327	999	2.720	999	8.326	999	2187	42	1.6
5505.0	10000	38.4217	94.8361	-242	CULTRL	3.4	999	10.6	999	1.3	999	0.321	999	2.633	999	8.193	999	2180	49	1.6
5505.1	10000	38.4222	94.8361	-241	CULTRL	3.7	999	9.8	999	1.3	999	0.375	999	2.737	999	7.305	999	2175	38	1.6
5505.2	10000	38.4228	94.8362	-239	CULTRL	3.5	999	10.2	999	1.3	999	0.346	999	2.670	999	7.705	999	2151	42	1.6
5505.3	10000	38.4233	94.8362	-239	CULTRL	3.4	999	10.0	999	1.3	999	0.342	999	2.531	999	7.408	999	2125	44	1.6
5505.4	10000	38.4238	94.8362	-238	CULTRL	3.4	999	9.8	999	1.3	999	0.353	999	2.609	999	7.400	999	2092	44	1.6
5505.5	10000	38.4244	94.8362	-236	CULTRL	3.3	999	9.6	999	1.3	999	0.348	999	2.537	999	7.298	999	2056	48	1.6
5505.6	10000	38.4249	94.8362	-236	CULTRL	3.4	999	9.5	999	1.3	999	0.363	999	2.663	999	7.336	999	2040	35	1.6
5505.7	10000	38.4255	94.8362	-236	CULTRL	3.5	999	9.2	999	1.3	999	0.379	999	2.728	999	7.197	999	2023	42	1.6
5505.8	10000	38.4260	94.8362	-236	CULTRL	3.5	999	9.6	999	1.2	999	0.366	999	2.808	999	7.676	999	2015	40	1.5
5505.9	10000	38.4265	94.8362	-236	CULTRL	3.6	999	9.0	999	1.3	999	0.387	999	2.730	999	7.057	999	2013	48	1.5
5506.0	10000	38.4271	94.8362	-235	CULTRL	3.5	999	9.5	999	1.3	999	0.383	999	2.878	999	7.522	999	2024	40	1.5
5506.1	10000	38.4276	94.8362	-232	CULTRL	3.6	999	9.4	999	1.2	999	0.369	999	2.796	999	7.570	999	2044	54	1.5
5506.2	10000	38.4281	94.8362	-231	CULTRL	3.6	999	9.7	999	1.3	999	0.385	999	2.941	999	7.648	999	2071	39	1.5
5506.3	10000	38.4287	94.8362	-230	CULTRL	3.6	999	9.8	999	1.2	999	0.334	999	2.644	999	7.908	999	2081	32	1.5
5506.4	10000	38.4292	94.8362	-229	PKC	3.6	1	9.8	1	1.3	1	0.366	0	2.823	0	7.713	0	2100	44	1.5
5506.5	10000	38.4297	94.8363	-227	PKC	3.4	0	9.8	0	1.2	0	0.338	0	2.738	0	8.098	0	2109	44	1.5
5506.6	10000	38.4303	94.8363	-224	PKC	3.4	0	10.3	1	1.2	0	0.336	0	2.799	0	8.333	0	2122	53	1.5
5506.7	10000	38.4308	94.8363	-221	PKC	3.4	0	10.2	1	1.2	0	0.348	0	2.880	0	8.267	0	2119	42	1.5
5506.8	10000	38.4313	94.8363	-218	PKC	3.6	1	10.2	1	1.2	1	0.360	0	3.126	0	8.673	0	2098	56	1.5
5506.9	10000	38.4319	94.8363	-215	PKC	3.4	0	10.1	1	1.2	1	0.331	0	2.946	0	8.911	0	2068	44	1.5
5507.0	10000	38.4324	94.8363	-212	PKC	3.6	1	10.2	1	1.2	1	0.364	0	3.218	0	8.832	0	2053	40	1.5
5507.1	10000	38.4329	94.8363	-209	PKC	3.5	1	10.1	1	1.2	1	0.351	0	2.982	0	8.100	0	2053	36	1.5
5507.2	10000	38.4335	94.8363	-207	PKC	3.7	1	10.1	1	1.2	1	0.366	0	3.192	0	8.702	0	2050	50	1.5
5507.3	10000	38.4340	94.8363	-206	PKC	3.7	1	10.1	1	1.2	1	0.381	0	3.333	0	8.752	0	2037	40	1.5
5507.4	10000	38.4345	94.8363	-204	PKC	3.7	1	10.1	1	1.2	1	0.378	0	3.164	0	8.369	0	2051	45	1.5
5507.5	10000	38.4351	94.8363	-201	PKC	3.7	1	10.1	1	1.2	1	0.363	0	3.095	0	8.537	0	2090	49	1.5
5507.6	10000	38.4356	94.8363	-198	PKC	3.7	1	10.1	1	1.2	1	0.377	0	3.062	0	8.982	0	2112	48	1.5
5507.7	10000	38.4362	94.8363	-196	PKC	3.6	1	9.9	1	1.2	1	0.365	0	3.012	0	8.711	0	2124	59	1.4
5507.8	10000	38.4367	94.8364	-194	PKC	3.5	1	9.9	1	1.2	1	0.353	0	2.882	0	7.930	0	2115	53	1.4
5507.9	10000	38.4372	94.8364	-191	PKC	3.5	1	9.9	1	1.2	1	0.353	0	2.886	0	8.115	0	2097	39	1.4
5508.0	10000	38.4378	94.8364	-190	PKC	3.5	1	9.9	1	1.2	1	0.353	0	2.885	0	8.872	0	2095	37	1.4
5508.1	10000	38.4383	94.8364	-188	PKC	3.3	1	9.9	1	1.2	1	0.337	0	2.671	0	7.929	0	2076	56	1.4

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5508.2	10000	38.4388	94.8364	-186	PKC	3.4	0	9.5	0	1.2	0	0.359	0	2.786	0	7.771	0	2042	67	1.4
5508.3	10000	38.4394	94.8364	-184	PKC	3.4	0	9.4	0	1.2	0	0.363	0	2.917	0	8.038	0	2024	46	1.4
5508.4	10000	38.4399	94.8364	-183	PKC	3.6	1	9.3	0	1.2	0	0.386	0	3.052	0	7.912	0	2017	47	1.4
5508.5	10000	38.4404	94.8364	-183	PKC	3.5	0	9.3	0	1.2	0	0.378	0	2.891	0	7.652	-1	2024	51	1.4
5508.6	10000	38.4410	94.8364	-183	PKC	3.6	1	9.7	0	1.2	0	0.376	0	2.994	0	7.960	0	2049	51	1.4
5508.7	10000	38.4415	94.8364	-183	PKC	3.7	1	10.1	1	1.2	0	0.370	0	3.058	0	8.268	0	2086	36	1.4
5508.8	10000	38.4421	94.8364	-183	PKC	3.9	1	10.5	1	1.2	0	0.372	0	3.275	0	8.802	0	2115	34	1.4
5508.9	10000	38.4426	94.8365	-183	PKC	3.9	1	10.3	1	1.3	1	0.376	0	3.079	0	8.196	0	2140	56	1.4
5509.0	10000	38.4431	94.8365	-185	PKC	4.0	1	10.4	1	1.3	1	0.389	0	3.118	0	8.023	0	2166	45	1.4
5509.1	10000	38.4437	94.8365	-186	PKC	4.1	1	10.3	1	1.3	1	0.396	0	3.219	0	8.126	0	2168	42	1.3
5509.2	10000	38.4442	94.8365	-189	PKC	4.0	1	9.7	0	1.2	0	0.417	1	3.337	1	8.012	0	2142	60	1.3
5509.3	10000	38.4447	94.8365	-192	PKC	4.0	1	9.0	0	1.2	0	0.440	1	3.384	1	7.696	-1	2121	45	1.3
5509.4	10000	38.4453	94.8365	-196	PKC	3.8	1	8.5	-1	1.1	0	0.454	1	3.367	1	7.415	-1	2080	43	1.3
5509.5	10000	38.4458	94.8365	-200	PKC	4.1	1	7.9	-1	1.2	0	0.521	2	3.550	1	6.808	-1	2047	46	1.3
5509.6	10000	38.4463	94.8365	-205	PKC	4.0	1	7.7	-1	1.1	0	0.514	2	3.613	1	7.032	-1	2021	43	1.3
5509.7	10000	38.4469	94.8365	-210	PKC	4.0	1	7.4	-2	1.1	0	0.544	2	3.830	1	7.036	-1	1986	57	1.3
5509.8	10000	38.4474	94.8365	-215	PKC	3.8	1	7.2	-2	1.0	0	0.523	2	3.613	1	6.905	-1	1950	56	1.3
5509.9	10000	38.4480	94.8365	-221	PKC	3.8	1	7.5	-1	1.0	0	0.511	2	3.656	1	7.159	-1	1916	48	1.3
5510.0	10000	38.4485	94.8365	-228	QAL	3.7	1	7.1	-2	1.0	-1	0.518	3	3.574	2	6.898	0	1862	54	1.3
5510.1	10000	38.4490	94.8366	-234	QAL	3.8	1	6.8	-2	1.0	-1	0.560	3	3.725	2	6.657	-1	1824	42	1.3
5510.2	10000	38.4496	94.8366	-240	QAL	3.6	1	6.9	-2	1.0	-1	0.523	3	3.576	2	6.840	0	1801	37	1.3
5510.3	10000	38.4501	94.8366	-247	QAL	3.6	1	7.2	-2	1.0	-1	0.523	3	3.459	1	6.613	-1	1775	51	1.3
5510.4	10000	38.4506	94.8366	-255	QAL	3.4	1	7.3	-2	1.0	-1	0.468	2	3.266	1	6.979	0	1774	48	1.3
5510.5	10000	38.4511	94.8366	-263	QAL	3.5	1	7.4	-2	1.0	-1	0.478	2	3.331	1	6.970	0	1777	40	1.3
5510.6	10000	38.4517	94.8366	-270	QAL	3.4	1	7.4	-1	1.0	-1	0.464	2	3.287	1	7.088	0	1796	46	1.3
5510.7	10000	38.4522	94.8366	-278	QAL	3.4	1	7.8	-1	1.1	-1	0.437	2	3.184	1	7.283	0	1814	51	1.3
5510.8	10000	38.4528	94.8366	-287	QAL	3.4	1	8.0	-1	1.1	-1	0.426	2	3.106	1	7.298	0	1820	43	1.2
5510.9	10000	38.4533	94.8366	-297	QAL	3.2	1	8.1	0	1.1	-1	0.398	1	2.990	1	7.517	0	1814	55	1.2
5511.0	10000	38.4538	94.8366	-307	QAL	3.3	1	8.4	0	1.0	-1	0.391	1	3.162	1	8.084	0	1801	45	1.2
5511.1	10000	38.4544	94.8366	-318	QAL	3.2	1	8.3	0	1.1	-1	0.388	1	2.999	1	7.727	0	1796	44	1.2
5511.2	10000	38.4549	94.8367	-329	QAL	3.0	1	8.6	0	1.1	-1	0.346	1	2.778	1	8.020	0	1821	44	1.2
5511.3	10000	38.4555	94.8367	-340	QAL	2.9	1	8.8	0	1.1	-1	0.336	1	2.601	1	7.736	0	1849	44	1.2
5511.4	10000	38.4560	94.8367	-352	QAL	3.0	1	8.9	0	1.1	-1	0.362	1	2.874	1	7.944	0	1874	50	1.2
5511.5	10000	38.4566	94.8367	-363	QAL	2.9	1	8.9	0	1.1	-1	0.318	1	2.576	1	8.111	0	1896	52	1.2
5511.6	10000	38.4571	94.8367	-373	QAL	3.0	1	9.1	0	1.1	-1	0.337	1	2.530	1	7.508	0	1934	34	1.2
5511.7	10000	38.4577	94.8367	-383	QAL	2.9	1	9.6	0	1.1	-1	0.333	1	2.323	1	6.969	0	1967	56	1.2
5511.8	10000	38.4582	94.8367	-392	QAL	2.7	1	9.7	0	1.1	-1	0.305	1	2.099	1	6.874	0	1972	53	1.2
5511.9	10000	38.4588	94.8367	-401	QAL	2.6	1	9.8	0	1.1	-1	0.323	1	2.076	1	6.433	-1	1957	47	1.2
5512.0	10000	38.4593	94.8367	-409	QAL	2.7	1	9.8	0	1.1	-1	0.327	1	2.122	1	6.485	-1	1961	49	1.2
5512.1	10000	38.4599	94.8367	-418	QAL	2.6	1	9.8	0	1.1	-1	0.309	1	2.051	1	6.635	-1	1961	39	1.2
5512.2	10000	38.4604	94.8367	-425	QAL	2.6	1	9.8	0	1.1	-1	0.315	1	2.155	1	6.833	-1	1963	33	1.2
5512.3	10000	38.4610	94.8367	-433	QAL	2.6	1	9.8	0	1.1	-1	0.293	1	2.142	1	7.317	-1	1958	32	1.2
5512.4	10000	38.4615	94.8367	-440	QAL	2.6	1	9.8	0	1.1	-1	0.277	1	2.081	1	7.506	-1	1978	53	1.2
5512.5	10000	38.4621	94.8367	-446	QAL	2.6	1	9.8	0	1.1	-1	0.280	1	2.106	1	7.517	-1	1979	57	1.2
5512.6	10000	38.4626	94.8367	-451	QAL	2.6	1	9.8	0	1.1	-1	0.269	1	2.180	1	8.094	-1	1977	43	1.2
5512.7	10000	38.4632	94.8367	-457	QAL	2.6	1	9.8	0	1.1	-1	0.262	1	2.117	1	8.097	-1	1963	42	1.2
5512.8	10000	38.4637	94.8367	-463	QAL	2.5	1	9.8	0	1.1	-1	0.247	1	1.935	1	7.828	-1	1958	36	1.2
5512.9	10000	38.4643	94.8367	-468	QAL	2.5	1	9.8	0	1.1	-1	0.255	1	1.940	1	7.604	-1	1954	49	1.2
5513.0	10000	38.4648	94.8367	-473	QAL	2.5	1	9.7	0	1.1	-1	0.251	1	1.833	1	7.295	-1	1942	53	1.2
5513.1	10000	38.4654	94.8367	-479	QAL	2.6	1	9.7	0	1.1	-1	0.273	1	2.193	1	8.019	-1	1906	51	1.2
5513.2	10000	38.4659	94.8367	-485	QAL	2.9	1	9.8	0	1.2	-1	0.291	1	2.484	1	8.529	-1	1901	57	1.2
5513.3	10000	38.4665	94.8367	-491	QAL	3.0	1	9.6	0	1.1	-1	0.309	1	2.612	1	8.464	-1	1887	34	1.2

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5513.4	10000	38.4670	94.8367	-496	QAL	3.1	0	9.6	0	1.0	-1	0.321	0	2.971	1	9.251	1	1873	40	1.2
5513.5	10000	38.4676	94.8367	-502	QAL	3.3	0	9.8	0	1.0	-1	0.340	0	3.273	1	9.640	1	1865	40	1.2
5513.6	10000	38.4681	94.8367	-509	QAL	3.4	1	10.2	1	0.9	-1	0.329	0	3.549	2	10.783	2	1864	47	1.2
5513.7	10000	38.4687	94.8367	-516	QAL	3.5	1	10.6	1	0.9	-1	0.329	0	3.932	2	11.937	3	1863	35	1.2
5513.8	10000	38.4693	94.8367	-524	QAL	3.5	1	10.6	1	0.9	-1	0.331	0	3.974	2	12.002	3	1869	50	1.2
5513.9	10000	38.4698	94.8367	-532	QAL	3.5	1	10.9	1	0.8	-2	0.320	0	4.314	3	13.479	4	1873	47	1.2
5514.0	10000	38.4704	94.8367	-540	QAL	3.5	1	10.9	1	0.8	-2	0.326	0	4.605	3	14.121	4	1879	57	1.2
5514.1	10000	38.4709	94.8367	-549	QAL	3.7	1	10.8	1	0.8	-2	0.346	0	4.729	3	13.665	4	1891	37	1.2
5514.2	10000	38.4715	94.8367	-557	QAL	3.7	1	10.8	1	0.8	-2	0.340	0	4.658	3	13.714	4	1892	57	1.2
5514.3	10000	38.4720	94.8367	-566	PKC	3.6	1	10.5	1	0.8	-2	0.344	0	4.528	2	13.145	4	1890	52	1.2
5514.4	10000	38.4726	94.8367	-574	PKC	3.4	0	10.7	1	0.8	-2	0.323	0	4.256	2	13.198	4	1886	41	1.2
5514.5	10000	38.4731	94.8367	-584	PKC	3.2	0	10.7	1	0.9	-2	0.300	-1	3.725	1	12.412	3	1896	41	1.2
5514.6	10000	38.4737	94.8367	-594	PKC	3.2	0	10.5	1	0.9	-1	0.305	-1	3.506	1	11.499	2	1904	40	1.2
5514.7	10000	38.4742	94.8367	-602	PKC	3.2	0	10.3	1	1.0	-1	0.307	-1	3.322	1	10.812	2	1910	44	1.2
5514.8	10000	38.4748	94.8367	-611	PKC	2.8	-1	10.2	1	1.0	-1	0.280	-1	2.872	0	10.269	2	1905	40	1.2
5514.9	10000	38.4753	94.8367	-621	PKC	2.9	-1	10.0	1	1.0	-1	0.292	-1	2.932	0	10.039	1	1915	45	1.2
5515.0	10000	38.4759	94.8367	-631	PKC	3.0	-1	9.8	1	1.0	-1	0.303	-1	3.000	0	9.900	1	1906	46	1.2
5515.1	10000	38.4764	94.8367	-640	PKC	3.0	0	9.4	0	1.0	-1	0.323	0	2.998	0	9.288	1	1915	43	1.2
5515.2	10000	38.4770	94.8367	-651	PKC	3.1	0	9.5	0	1.0	-1	0.329	0	3.152	0	9.591	1	1918	44	1.2
5515.3	10000	38.4775	94.8367	-661	PKC	3.0	-1	9.3	0	1.0	-1	0.320	-1	2.888	0	9.022	1	1918	47	1.2
5515.4	10000	38.4781	94.8367	-672	PKC	3.0	-1	9.3	0	1.0	-1	0.323	0	2.918	0	9.045	1	1921	38	1.2
5515.5	10000	38.4786	94.8367	-682	PKC	2.9	-1	9.3	0	1.0	-1	0.315	-1	2.828	0	8.966	0	1911	58	1.2
5515.6	10000	38.4792	94.8367	-693	PKC	3.1	0	9.1	0	1.0	-1	0.339	0	3.015	0	8.882	0	1880	50	1.2
5515.7	10000	38.4797	94.8367	-704	PKC	2.9	-1	8.8	0	1.0	-1	0.330	0	2.834	0	8.601	0	1833	50	1.2
5515.8	10000	38.4803	94.8367	-715	PKC	2.9	-1	8.4	-1	1.0	-1	0.347	0	3.018	0	8.699	0	1765	40	1.2
5515.9	10000	38.4808	94.8367	-725	PKC	2.8	-1	8.0	-1	1.0	-1	0.356	0	2.858	0	8.034	0	1714	51	1.2
5516.0	10000	38.4814	94.8367	-736	PKC	2.8	-1	8.1	-1	1.0	-1	0.344	0	2.863	0	8.323	0	1684	50	1.2
5516.1	10000	38.4819	94.8367	-745	PKC	2.6	-1	7.9	-1	1.0	-1	0.336	0	2.684	0	7.983	0	1657	56	1.2
5516.2	10000	38.4825	94.8367	-753	PKC	2.7	-1	7.9	-1	1.0	-1	0.339	0	2.766	0	8.146	0	1661	51	1.2
5516.3	10000	38.4830	94.8367	-761	PKC	2.3	-2	8.4	-1	1.0	-1	0.270	-1	2.251	-1	8.346	0	1696	42	1.2
5516.4	10000	38.4836	94.8367	-774	PKC	2.5	-1	8.6	0	1.0	-1	0.277	-1	2.225	-1	8.040	0	1767	44	1.2
5516.5	10000	38.4842	94.8367	-785	PKC	2.6	-1	8.8	0	1.0	-1	0.274	-1	2.119	-1	7.725	0	1849	45	1.2
5516.6	10000	38.4847	94.8367	-793	PKC	2.6	-1	9.0	0	1.0	-1	0.289	-1	2.158	-1	7.459	-1	1918	44	1.2
5516.7	10000	38.4853	94.8367	-800	PKC	2.6	-1	9.2	0	1.0	-1	0.328	-1	2.406	-1	7.330	-1	1978	33	1.2
5516.8	10000	38.4858	94.8367	-808	PKC	2.4	-1	9.5	0	1.0	-1	0.308	-1	2.345	-1	7.618	-1	2029	49	1.2
5516.9	10000	38.4864	94.8367	-815	PKC	2.4	-1	9.8	0	1.0	-1	0.292	-1	2.253	-1	7.712	-1	2081	44	1.2
5517.0	10000	38.4869	94.8367	-822	PKC	2.4	-1	10.1	0	1.0	-1	0.310	-1	2.457	-1	7.914	-1	2111	49	1.2
5517.1	10000	38.4875	94.8367	-829	PKC	2.4	-1	10.4	0	1.0	-1	0.305	-1	2.614	-1	8.570	-1	2144	50	1.2
5517.2	10000	38.4880	94.8367	-836	PKC	2.5	-1	10.8	0	1.0	-1	0.329	-1	2.850	-1	8.652	-1	2165	51	1.2
5517.3	10000	38.4886	94.8367	-843	PKC	2.7	-1	10.8	0	1.0	-1	0.319	-1	2.987	-1	8.361	-1	2175	48	1.2
5517.4	10000	38.4891	94.8367	-850	PKC	2.4	-1	10.5	0	1.0	-1	0.297	-1	2.765	-1	9.300	-1	2178	45	1.2
5517.5	10000	38.4897	94.8367	-856	QAL	2.4	-1	10.4	0	1.0	-1	0.300	-1	2.760	-1	9.206	-1	2189	50	1.2
5517.6	10000	38.4902	94.8367	-862	QAL	2.6	-1	10.2	0	1.0	-1	0.319	-1	3.021	-1	9.466	-1	2187	48	1.2
5517.7	10000	38.4908	94.8367	-868	QAL	2.4	-1	10.1	0	1.0	-1	0.334	-1	3.014	-1	9.032	-1	2203	45	1.2
5517.8	10000	38.4913	94.8367	-875	QAL	2.4	-1	9.9	0	1.0	-1	0.320	-1	2.795	-1	8.727	-1	2204	50	1.2
5517.9	10000	38.4919	94.8367	-882	QAL	2.4	-1	9.7	0	1.0	-1	0.338	-1	3.038	-1	8.601	-1	2200	47	1.2
5518.0	10000	38.4924	94.8367	-887	QAL	2.4	-1	9.6	0	1.0	-1	0.329	-1	2.952	-1	8.836	-1	2220	46	1.2
5518.1	10000	38.4930	94.8367	-893	QAL	2.4	-1	9.4	0	1.0	-1	0.332	-1	2.952	-1	8.707	-1	2224	46	1.2
5518.2	10000	38.4935	94.8367	-899	QAL	2.5	-1	9.3	0	1.0	-1	0.354	-1	3.157	-1	8.790	-1	2218	46	1.2
5518.3	10000	38.4941	94.8367	-905	QAL	2.4	-1	9.2	0	1.0	-1	0.337	-1	3.043	-1	8.684	-1	2200	42	1.2
5518.4	10000	38.4946	94.8367	-910	QAL	2.4	-1	9.1	0	1.0	-1	0.357	-1	3.286	-1	8.548	-1	2176	41	1.2
5518.5	10000	38.4952	94.8367	-916	QAL	2.8	-1	9.7	0	1.3	-1	0.392	-1	2.956	-1	7.548	-1	2158	39	1.3

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5518.6	10000	38.4958	94.8367	-921	QAL	3.7	1	10.3	1	1.2	0	0.359	0	2.945	1	8.202	0	2148	43	1.3
5518.7	10000	38.4963	94.8367	-926	QAL	3.6	1	10.0	1	1.2	0	0.359	0	2.981	1	8.308	0	2130	42	1.3
5518.8	10000	38.4968	94.8367	-931	QAL	3.5	1	10.0	1	1.2	0	0.353	0	2.969	1	8.418	1	2113	39	1.3
5518.9	10000	38.4974	94.8367	-937	QAL	3.7	1	10.1	1	1.2	0	0.363	0	3.137	1	8.634	1	2104	47	1.3
5519.0	10000	38.4980	94.8367	-941	QAL	3.4	1	10.3	1	1.2	0	0.330	0	2.807	0	8.518	1	2097	42	1.3
5519.1	10000	38.4985	94.8367	-947	QAL	3.1	0	10.3	1	1.3	0	0.302	-1	2.405	0	7.973	0	2074	51	1.3
5519.2	10000	38.4991	94.8367	-951	QAL	2.6	-1	10.1	1	1.3	0	0.260	-1	2.056	-1	7.923	0	2035	45	1.4
5519.3	10000	38.4996	94.8367	-956	QAL	2.6	-1	9.9	1	1.3	0	0.262	-1	2.030	-1	7.742	0	2006	51	1.4
5519.4	10000	38.5002	94.8367	-960	QAL	2.4	-1	9.6	0	1.3	0	0.247	-1	1.883	-1	7.627	0	1941	41	1.4
5519.5	10000	38.5007	94.8367	-965	QAL	2.2	-2	9.4	0	1.2	0	0.234	-2	1.826	-1	7.811	0	1890	47	1.4
5519.6	10000	38.5013	94.8367	-969	QAL	2.1	-2	9.3	0	1.1	0	0.229	-2	1.857	-1	8.117	0	1827	55	1.4
5519.7	10000	38.5018	94.8367	-973	QAL	2.3	-2	9.0	0	1.1	-1	0.250	-1	2.126	-1	8.521	1	1761	49	1.4
5519.8	10000	38.5024	94.8367	-977	QAL	2.2	-2	9.0	0	1.0	-1	0.248	-1	2.242	0	9.023	1	1697	36	1.4
5519.9	10000	38.5029	94.8367	-981	QAL	2.3	-2	8.6	0	1.0	-1	0.265	-1	2.310	0	8.727	1	1674	37	1.4
5520.0	10000	38.5035	94.8367	-984	QAL	2.4	-1	8.3	-1	1.0	-1	0.284	-1	2.320	0	8.162	0	1651	50	1.4
5520.1	10000	38.5040	94.8367	-987	QAL	2.6	-1	8.2	-1	1.0	-1	0.313	0	2.459	0	7.867	0	1656	30	1.4
5520.2	10000	38.5046	94.8367	-990	QAL	2.7	-1	8.2	-1	1.1	-1	0.331	0	2.563	0	7.747	0	1677	39	1.4
5520.3	10000	38.5051	94.8367	-993	QAL	2.7	-1	7.9	-1	1.1	-1	0.348	0	2.457	0	7.062	0	1705	48	1.4
5520.4	10000	38.5057	94.8367	-995	QAL	2.8	0	7.5	-1	1.1	-1	0.378	1	2.527	0	6.693	-1	1737	54	1.4
5520.5	10000	38.5062	94.8367	-998	QAL	2.8	-1	7.5	-1	1.1	0	0.374	1	2.461	0	6.583	-1	1780	51	1.4
5520.6	10000	38.5068	94.8367	-1001	QAL	2.8	-1	7.8	-1	1.1	0	0.358	0	2.450	0	6.849	0	1799	54	1.4
5520.7	10000	38.5073	94.8367	-1004	QAL	2.8	-1	7.9	-1	1.1	-1	0.348	0	2.501	0	7.187	0	1811	42	1.4
5520.8	10000	38.5079	94.8367	-1006	QAL	2.6	-1	8.3	-1	1.1	-1	0.308	0	2.405	0	7.805	0	1813	51	1.4
5520.9	10000	38.5085	94.8367	-1007	QAL	2.3	-1	8.3	-1	1.1	-1	0.278	-1	2.081	-1	7.480	0	1814	58	1.4
5521.0	10000	38.5090	94.8367	-1009	QAL	2.1	-2	9.0	0	1.1	0	0.229	-2	1.834	-1	8.008	0	1826	48	1.4
5521.1	10000	38.5096	94.8367	-1010	QAL	2.0	-2	9.2	0	1.2	0	0.213	-2	1.691	-1	7.944	0	1860	38	1.4
5521.2	10000	38.5101	94.8367	-1012	QAL	2.1	-2	9.1	0	1.2	0	0.229	-2	1.744	-1	7.616	0	1894	56	1.4
5521.3	10000	38.5107	94.8367	-1014	QAL	2.0	-2	9.7	0	1.3	0	0.204	-2	1.559	-1	7.642	0	1950	48	1.4
5521.4	10000	38.5112	94.8367	-1015	QAL	2.0	-2	9.7	0	1.3	0	0.209	-2	1.523	-2	7.303	0	1994	31	1.4
5521.5	10000	38.5118	94.8367	-1016	QAL	2.2	-2	9.5	0	1.4	0	0.229	-2	1.590	-1	6.941	0	2047	43	1.4
5521.6	10000	38.5123	94.8367	-1017	QAL	2.5	-1	9.9	0	1.4	0	0.270	-2	1.961	-1	7.269	0	2098	38	1.4
5521.7	10000	38.5129	94.8367	-1018	QAL	2.7	-1	10.0	0	1.4	0	0.282	-1	2.028	-1	7.183	0	2130	50	1.4
5521.8	10000	38.5134	94.8367	-1019	QAL	2.8	-1	10.5	0	1.4	0	0.287	-1	2.035	-1	7.103	0	2141	48	1.5
5521.9	10000	38.5140	94.8367	-1019	QAL	2.9	-1	10.2	0	1.4	0	0.272	-1	2.055	-1	7.546	0	2135	45	1.5
5522.0	10000	38.5145	94.8367	-1021	QAL	2.9	-1	10.0	0	1.4	0	0.302	-1	2.269	0	7.526	0	2141	52	1.5
5522.1	10000	38.5151	94.8367	-1022	PKC	2.8	-1	9.9	0	1.4	0	0.284	-1	2.120	-1	7.471	0	2131	53	1.5
5522.2	10000	38.5156	94.8367	-1023	PKC	2.5	-2	9.5	0	1.4	0	0.274	-1	1.998	-1	7.295	0	2132	41	1.5
5522.3	10000	38.5162	94.8367	-1024	PKC	2.3	-2	9.3	0	1.4	0	0.239	-2	1.764	-2	7.384	0	2104	53	1.5
5522.4	10000	38.5167	94.8367	-1025	PKC	2.2	-2	9.0	0	1.4	0	0.256	-2	1.872	-2	7.305	0	2086	53	1.5
5522.5	10000	38.5173	94.8367	-1025	PKC	2.2	-2	9.1	0	1.4	0	0.255	-2	1.910	-2	7.477	0	2080	59	1.5
5522.6	10000	38.5178	94.8367	-1026	PKC	2.2	-2	9.0	0	1.4	0	0.259	-2	1.836	-2	7.087	0	2079	45	1.5
5522.7	10000	38.5184	94.8367	-1027	PKC	2.2	-2	9.1	0	1.4	0	0.241	-2	1.703	-2	7.069	0	2073	56	1.5
5522.8	10000	38.5189	94.8367	-1028	PKC	2.2	-2	9.3	0	1.4	0	0.242	-2	1.737	-2	7.183	0	2106	45	1.5
5522.9	10000	38.5195	94.8367	-1028	PKC	2.2	-2	9.7	0	1.4	0	0.250	-2	1.900	-2	7.603	0	2131	48	1.5
5523.0	10000	38.5200	94.8367	-1028	PKC	2.2	-2	11.5	0	1.4	0	0.243	-2	1.877	-2	7.732	0	2147	37	1.5
5523.1	10000	38.5206	94.8367	-1029	PKC	2.2	-2	11.4	0	1.4	0	0.227	-2	1.781	-2	8.004	0	2191	48	1.5
5523.2	10000	38.5211	94.8367	-1029	PKC	2.2	-2	11.6	0	1.4	0	0.225	-2	1.732	-2	8.963	0	2225	33	1.5
5523.3	10000	38.5217	94.8367	-1030	PKC	2.2	-2	11.7	0	1.4	0	0.229	-2	1.838	-2	8.170	0	2264	54	1.5
5523.4	10000	38.5222	94.8367	-1031	PKC	2.2	-2	11.7	0	1.4	0	0.225	-2	1.860	-2	8.133	0	2275	32	1.5
5523.5	10000	38.5228	94.8367	-1031	PKC	2.2	-2	11.6	0	1.4	0	0.218	-2	1.727	-2	7.936	0	2278	44	1.5
5523.6	10000	38.5233	94.8367	-1032	PKC	2.2	-2	11.2	0	1.4	0	0.211	-2	1.660	-2	7.870	0	2263	32	1.5
5523.7	10000	38.5239	94.8367	-1032	PKC	2.4	-2	11.5	0	1.5	0	0.211	-2	1.587	-2	7.535	0	2260	42	1.5

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5523.8	10000	38.5245	94.8367	-1032	PKC	2.6	-1	11.0	1	1.5	2	0.237	-2	1.728	-2	7.290	-1	2246	54	1.5
5523.9	10000	38.5250	94.8367	-1031	PKC	2.8	-1	11.1	1	1.5	2	0.251	-1	1.832	-2	7.307	-1	2228	42	1.5
5524.0	10000	38.5256	94.8367	-1030	PKC	2.5	-1	10.4	1	1.5	2	0.242	-1	1.692	-2	6.983	-1	2198	39	1.5
5524.1	10000	38.5261	94.8367	-1030	PKC	2.6	-1	10.0	1	1.4	2	0.258	-1	1.787	-2	6.916	-1	2155	47	1.5
5524.2	10000	38.5267	94.8367	-1029	PKC	3.0	-1	9.5	0	1.4	1	0.315	-1	2.209	-1	7.011	-1	2103	55	1.5
5524.3	10000	38.5272	94.8367	-1028	PKC	3.1	0	9.1	0	1.3	1	0.337	0	2.327	-1	6.900	-1	2067	48	1.5
5524.4	10000	38.5278	94.8367	-1027	PKC	2.9	-1	8.6	-1	1.3	1	0.330	0	2.186	-1	6.617	-1	2035	51	1.5
5524.5	10000	38.5283	94.8367	-1026	PKC	2.7	-1	8.4	-1	1.3	1	0.326	0	2.148	-1	6.594	-1	1981	42	1.5
5524.6	10000	38.5289	94.8367	-1025	PKC	2.7	-1	8.0	-1	1.2	0	0.333	0	2.206	-1	6.618	-1	1935	53	1.5
5524.7	10000	38.5294	94.8367	-1024	PKC	2.8	-1	8.1	-1	1.2	0	0.348	0	2.337	-1	6.720	-1	1912	55	1.5
5524.8	10000	38.5300	94.8367	-1023	PKC	2.7	-1	8.6	-1	1.2	0	0.320	-1	2.247	-1	7.031	-1	1918	47	1.5
5524.9	10000	38.5305	94.8367	-1021	PKC	2.4	-2	8.7	0	1.2	0	0.280	-1	2.043	-1	7.286	-1	1927	37	1.5
5525.0	10000	38.5311	94.8367	-1020	PKC	2.7	-1	8.9	0	1.2	0	0.307	-1	2.335	-1	7.608	-1	1957	38	1.5
5525.1	10000	38.5316	94.8367	-1018	PKC	2.9	-1	9.5	0	1.1	0	0.304	-1	2.539	-1	8.363	0	1964	47	1.5
5525.2	10000	38.5322	94.8367	-1016	PKC	3.0	-1	9.6	0	1.1	0	0.310	-1	2.610	-1	8.417	0	1985	48	1.5
5525.3	10000	38.5327	94.8367	-1014	PKC	3.0	-1	10.2	1	1.1	0	0.292	-1	2.656	0	9.109	1	2003	36	1.5
5525.4	10000	38.5333	94.8367	-1013	PKC	2.7	-1	10.3	1	1.1	0	0.260	-1	2.400	-1	9.222	1	2016	40	1.5
5525.5	10000	38.5338	94.8367	-1011	PKC	2.7	-1	10.5	1	1.2	0	0.260	-1	2.372	-1	9.132	1	2035	49	1.5
5525.6	10000	38.5344	94.8367	-1008	PKC	3.0	-1	10.4	1	1.2	0	0.286	-1	2.533	-1	8.862	0	2035	45	1.5
5525.7	10000	38.5349	94.8367	-1006	PKC	2.7	-1	10.3	1	1.2	1	0.261	-1	2.187	-1	8.375	0	2045	45	1.5
5525.8	10000	38.5354	94.8367	-1004	PKC	2.8	-1	10.2	1	1.3	1	0.273	-1	2.217	-1	8.122	0	2048	43	1.5
5525.9	10000	38.5360	94.8367	-1002	PKC	2.9	-1	10.0	1	1.2	1	0.288	-1	2.325	-1	8.080	0	2053	42	1.5
5526.0	10000	38.5365	94.8367	-1000	PKC	2.9	-1	9.6	1	1.3	1	0.307	-1	2.196	-1	7.156	-1	2068	45	1.5
5526.1	10000	38.5370	94.8367	-998	PKC	3.0	-1	9.7	1	1.4	1	0.309	-1	2.206	-1	7.137	-1	2079	37	1.5
5526.2	10000	38.5375	94.8367	-999	PKC	3.1	0	9.4	1	1.4	1	0.331	0	2.283	-1	6.891	-1	2064	43	1.5
5526.3	10000	38.5381	94.8368	-1001	PKC	2.8	-1	9.4	1	1.4	1	0.299	-1	2.084	-1	6.963	-1	2060	50	1.5
5526.4	10000	38.5386	94.8368	-1002	PKC	3.0	0	9.8	1	1.3	1	0.312	-1	2.296	-1	7.363	-1	2040	45	1.5
5526.5	10000	38.5391	94.8368	-1000	PKC	2.7	-1	9.8	1	1.3	1	0.275	-1	2.015	-1	7.333	-1	2036	51	1.5
5526.6	10000	38.5396	94.8368	-999	PKC	2.5	-2	10.6	1	1.4	1	0.232	-2	1.770	-2	7.621	-1	2061	38	1.5
5526.7	10000	38.5401	94.8368	-1005	PKC	2.4	-2	10.8	1	1.4	1	0.219	-2	1.736	-2	7.930	0	2077	45	1.5
5526.8	10000	38.5407	94.8368	-1011	PKC	2.5	-2	10.7	1	1.4	1	0.232	-2	1.806	-2	7.603	-1	2092	52	1.5
5526.9	10000	38.5412	94.8368	-1011	PKC	2.6	-2	10.9	1	1.4	1	0.238	-2	1.903	-2	7.981	0	2122	54	1.5
5527.0	10000	38.5417	94.8369	-1006	PKC	2.8	-2	11.1	1	1.4	1	0.243	-2	1.968	-2	8.084	0	2174	56	1.5
5527.1	10000	38.5423	94.8369	-1000	PKC	2.8	-2	11.1	1	1.4	1	0.240	-2	1.896	-2	7.897	-1	2233	38	1.5
5527.2	10000	38.5428	94.8369	-996	PKC	2.8	-2	11.1	1	1.4	1	0.258	-2	1.982	-2	7.685	-1	2292	52	1.5
5527.3	10000	38.5433	94.8369	-991	PKC	2.8	-2	11.1	1	1.4	1	0.267	-2	1.968	-2	7.360	-1	2314	41	1.5
5527.4	10000	38.5438	94.8369	-987	PKC	2.8	-2	11.1	1	1.4	1	0.267	-2	1.997	-2	7.469	-1	2328	44	1.5
5527.5	10000	38.5444	94.8369	-983	PKC	2.8	-2	11.1	1	1.4	1	0.260	-2	2.030	-2	7.799	0	2332	52	1.5
5527.6	10000	38.5449	94.8369	-979	PKC	2.8	-2	11.1	1	1.5	1	0.279	-2	2.055	-2	7.357	-1	2320	48	1.5
5527.7	10000	38.5454	94.8369	-975	PKC	2.8	-2	11.1	1	1.5	1	0.301	-2	2.218	-2	7.379	-1	2288	35	1.5
5527.8	10000	38.5459	94.8370	-973	PKC	2.8	-2	11.1	1	1.5	1	0.323	-2	2.300	-2	7.125	-1	2225	42	1.5
5527.9	10000	38.5464	94.8370	-969	PKC	2.8	-2	11.1	1	1.5	1	0.332	-2	2.415	-2	7.272	-1	2171	44	1.5
5528.0	10000	38.5470	94.8370	-966	PKC	2.8	-2	11.1	1	1.5	1	0.345	-2	2.538	-2	7.350	-1	2108	38	1.5
5528.1	10000	38.5475	94.8370	-963	PKC	2.8	-2	11.1	1	1.5	1	0.357	-2	2.500	-2	7.010	-1	2058	56	1.5
5528.2	10000	38.5480	94.8370	-960	PKC	2.8	-2	11.1	1	1.5	1	0.375	-2	2.538	-2	7.076	-1	2013	46	1.5
5528.3	10000	38.5485	94.8370	-956	PKC	2.8	-2	11.1	1	1.5	1	0.372	-2	2.526	-2	7.063	-1	1977	43	1.5
5528.4	10000	38.5491	94.8370	-954	PKC	2.8	-2	11.1	1	1.5	1	0.367	-2	2.635	-2	7.173	-1	1963	51	1.5
5528.5	10000	38.5496	94.8371	-950	PKC	2.8	-2	11.1	1	1.5	1	0.368	-2	2.759	-2	7.490	-1	1961	38	1.5
5528.6	10000	38.5501	94.8371	-947	PKC	2.8	-2	11.1	1	1.5	1	0.390	-2	2.909	-2	7.466	-1	1966	45	1.5
5528.7	10000	38.5506	94.8371	-944	PKC	2.8	-2	11.1	1	1.5	1	0.401	-2	2.979	-2	7.429	-1	1993	52	1.5
5528.8	10000	38.5512	94.8371	-941	PKC	2.8	-2	11.1	1	1.5	1	0.387	-2	3.104	-2	8.026	0	2026	45	1.5
5528.9	10000	38.5517	94.8371	-937	PKC	3.0	-2	11.1	1	1.5	1	0.372	-2	3.155	-2	8.471	0	2072	43	1.5

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5529.0	10000	38.5522	94.8371	-934	PKC	3.5	0	10.0	1	1.2	0	0.346	0	2.947	0	8.522	0	2116	47	1.4
5529.1	10000	38.5527	94.8371	-931	PKC	3.4	0	10.4	1	1.3	1	0.329	0	2.722	0	8.266	0	2139	50	1.4
5529.2	10000	38.5533	94.8371	-928	PKC	3.4	0	10.5	1	1.3	1	0.321	0	2.662	0	8.293	0	2167	45	1.4
5529.3	10000	38.5538	94.8372	-924	PKC	3.1	0	11.1	1	1.3	1	0.284	-1	2.378	-1	8.386	0	2178	54	1.4
5529.4	10000	38.5543	94.8372	-921	PKC	3.0	-1	11.4	2	1.3	1	0.262	-1	2.296	-1	8.768	0	2196	40	1.4
5529.5	10000	38.5548	94.8372	-918	PKC	3.0	-1	11.5	2	1.3	1	0.260	-1	2.266	-1	8.710	0	2192	38	1.4
5529.6	10000	38.5554	94.8372	-915	PKC	2.9	-1	11.3	2	1.3	1	0.255	-1	2.181	-1	8.562	0	2184	37	1.4
5529.7	10000	38.5559	94.8372	-912	PKC	3.0	-1	11.2	1	1.3	1	0.264	-1	2.325	-1	8.819	0	2184	35	1.4
5529.8	10000	38.5564	94.8372	-910	PKC	2.9	-1	11.2	1	1.3	1	0.262	-1	2.318	-1	8.859	0	2177	57	1.4
5529.9	10000	38.5569	94.8372	-907	PKC	2.8	-1	10.9	1	1.3	1	0.253	-1	2.124	-1	8.385	0	2151	33	1.3
5530.0	10000	38.5575	94.8372	-905	PKC	2.9	-1	10.5	1	1.3	1	0.277	-1	2.314	-1	8.363	0	2142	52	1.3
5530.1	10000	38.5580	94.8373	-903	PKC	3.0	-1	10.0	1	1.2	0	0.302	-1	2.493	-1	8.259	0	2118	39	1.3
5530.2	10000	38.5585	94.8373	-900	PKC	3.2	0	9.8	1	1.2	0	0.326	0	2.673	0	8.199	0	2098	56	1.3
5530.3	10000	38.5590	94.8373	-897	PKC	3.7	1	9.6	1	1.2	0	0.386	0	3.198	0	8.292	0	2091	54	1.3
5530.4	10000	38.5596	94.8373	-895	PKC	3.8	1	9.5	1	1.1	0	0.401	1	3.319	0	8.287	0	2065	34	1.3
5530.5	10000	38.5601	94.8373	-892	PKC	3.9	1	9.4	1	1.1	0	0.414	1	3.588	1	8.657	0	2051	41	1.3
5530.6	10000	38.5606	94.8373	-890	PKC	4.2	2	9.5	1	1.0	-1	0.441	1	4.055	2	9.200	1	2064	56	1.3
5530.7	10000	38.5611	94.8374	-888	QAL	4.1	2	9.6	1	1.0	-1	0.427	1	4.023	2	9.433	1	2053	48	1.3
5530.8	10000	38.5617	94.8374	-886	QAL	4.1	2	9.6	1	1.0	-1	0.422	1	3.915	2	9.289	1	2035	36	1.3
5530.9	10000	38.5622	94.8374	-883	QAL	4.0	2	9.7	1	1.1	-1	0.411	1	3.673	2	8.937	1	2044	29	1.3
5531.0	10000	38.5627	94.8374	-881	QAL	3.6	1	9.9	1	1.1	-1	0.361	0	3.231	1	8.944	1	2024	62	1.3
5531.1	10000	38.5632	94.8374	-878	QAL	3.4	1	9.8	1	1.2	0	0.341	0	2.830	0	8.295	0	2020	47	1.2
5531.2	10000	38.5638	94.8374	-876	QAL	3.3	1	9.9	1	1.2	0	0.335	0	2.681	0	8.003	0	2009	41	1.2
5531.3	10000	38.5643	94.8374	-875	QAL	3.0	0	9.7	1	1.3	1	0.308	0	2.349	0	7.632	0	1997	43	1.2
5531.4	10000	38.5648	94.8374	-872	QAL	3.0	0	9.7	1	1.3	1	0.309	0	2.335	0	7.565	0	1982	48	1.2
5531.5	10000	38.5653	94.8375	-871	QAL	2.9	0	9.9	1	1.3	1	0.298	-1	2.269	-1	7.623	0	1978	41	1.2
5531.6	10000	38.5659	94.8375	-869	QAL	3.0	0	9.5	1	1.3	1	0.310	0	2.329	0	7.522	0	1964	44	1.2
5531.7	10000	38.5664	94.8375	-868	QAL	2.9	0	9.7	1	1.2	0	0.299	-1	2.310	-1	7.736	0	1939	37	1.2
5531.8	10000	38.5669	94.8375	-866	QAL	2.9	0	9.5	1	1.2	0	0.304	-1	2.396	-1	7.876	0	1918	33	1.2
5531.9	10000	38.5674	94.8375	-865	QAL	2.8	0	9.5	1	1.2	0	0.294	-1	2.273	-1	7.720	0	1912	54	1.2
5532.0	10000	38.5679	94.8375	-863	QAL	2.8	0	9.7	1	1.2	0	0.292	-1	2.337	-1	8.007	0	1883	44	1.2
5532.1	10000	38.5685	94.8375	-862	QAL	2.7	0	9.4	1	1.2	0	0.285	-1	2.188	-1	7.672	0	1857	44	1.2
5532.2	10000	38.5690	94.8376	-860	QAL	2.6	0	9.0	1	1.2	0	0.295	-1	2.203	-1	7.479	0	1819	59	1.2
5532.3	10000	38.5695	94.8376	-858	QAL	2.5	0	8.7	1	1.1	0	0.277	-1	2.182	-1	7.869	0	1757	47	1.1
5532.4	10000	38.5700	94.8376	-856	QAL	2.5	0	8.9	1	1.1	0	0.289	-1	2.277	-1	7.882	0	1722	43	1.1
5532.5	10000	38.5706	94.8376	-856	QAL	2.5	0	8.8	1	1.1	0	0.294	-1	2.410	-1	8.207	0	1702	51	1.1
5532.6	10000	38.5711	94.8376	-856	QAL	2.5	0	8.8	1	1.1	0	0.302	-1	2.617	-1	8.662	0	1667	46	1.1
5532.7	10000	38.5716	94.8376	-858	QAL	2.7	0	8.8	1	1.1	0	0.330	-1	2.862	-1	8.676	0	1661	52	1.1
5532.8	10000	38.5721	94.8376	-857	QAL	2.6	0	8.8	1	1.1	0	0.327	-1	2.953	-1	9.020	0	1667	41	1.1
5532.9	10000	38.5727	94.8376	-856	QAL	2.8	0	8.8	1	1.1	0	0.343	-1	3.204	-1	9.346	0	1684	45	1.1
5533.0	10000	38.5732	94.8377	-856	QAL	2.8	0	8.8	1	1.1	0	0.357	-1	3.335	-1	9.350	0	1730	44	1.1
5533.1	10000	38.5737	94.8377	-855	QAL	2.8	0	8.8	1	1.1	0	0.370	-1	3.195	-1	9.632	0	1773	44	1.1
5533.2	10000	38.5742	94.8377	-855	QAL	2.8	0	8.8	1	1.1	0	0.362	-1	3.969	-1	9.202	0	1787	40	1.1
5533.3	10000	38.5748	94.8377	-855	QAL	2.8	0	8.8	1	1.1	0	0.350	-1	3.836	-1	9.106	0	1813	45	1.1
5533.4	10000	38.5753	94.8377	-855	QAL	2.8	0	8.8	1	1.1	0	0.347	-1	3.751	-1	9.921	0	1823	50	1.1
5533.5	10000	38.5758	94.8377	-855	QAL	2.8	0	8.8	1	1.1	0	0.355	-1	3.862	-1	9.070	0	1843	55	1.1
5533.6	10000	38.5763	94.8377	-858	PKC	2.8	0	8.8	1	1.1	0	0.328	-1	3.663	-1	8.128	0	1868	41	1.1
5533.7	10000	38.5769	94.8378	-862	PKC	2.8	0	8.8	1	1.1	0	0.304	-1	3.498	-1	8.206	0	1876	49	1.1
5533.8	10000	38.5774	94.8378	-867	PKC	2.8	0	8.8	1	1.1	0	0.295	-1	3.504	-1	8.488	0	1873	38	1.1
5533.9	10000	38.5779	94.8378	-871	PKC	2.8	0	8.8	1	1.1	0	0.272	-1	3.386	-1	8.760	0	1880	36	1.1
5534.0	10000	38.5784	94.8378	-875	PKC	2.8	0	8.8	1	1.1	0	0.290	-1	3.527	-1	8.717	0	1885	39	1.1
5534.1	10000	38.5790	94.8378	-879	PKC	2.8	0	8.8	1	1.1	0	0.266	-1	3.274	-1	8.559	0	1885	34	1.1

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5534.2	10000	38.5795	94.8378	-884	PKC	2.4	-2	9.4	0	1.1	0	0.258	-1	2.130	-1	8.268	0	1861	49	1.1
5534.3	10000	38.5800	94.8378	-887	PKC	2.6	-1	8.8	0	1.1	0	0.300	-1	2.342	-1	7.809	0	1832	36	1.1
5534.4	10000	38.5805	94.8378	-891	PKC	2.7	-1	8.4	-1	1.1	0	0.322	0	2.418	-1	7.519	-1	1817	39	1.1
5534.5	10000	38.5811	94.8379	-895	PKC	2.7	-1	8.4	-1	1.1	0	0.325	0	2.433	-1	7.490	-1	1812	51	1.0
5534.6	10000	38.5816	94.8379	-898	PKC	2.9	-1	7.9	-1	1.1	0	0.361	0	2.618	-1	7.243	-1	1807	44	1.0
5534.7	10000	38.5821	94.8379	-901	PKC	2.7	-1	7.9	-1	1.1	0	0.348	0	2.486	-1	7.142	-1	1776	41	1.0
5534.8	10000	38.5826	94.8379	-903	PKC	2.9	-1	7.5	-1	1.1	0	0.382	0	2.665	0	6.972	-1	1769	52	1.0
5534.9	10000	38.5832	94.8379	-905	PKC	3.0	0	7.4	-1	1.1	0	0.406	1	2.774	0	6.826	-1	1771	37	1.0
5535.0	10000	38.5837	94.8379	-906	PKC	3.0	-1	7.8	-1	1.1	0	0.381	0	2.649	0	6.954	-1	1773	51	1.0
5535.1	10000	38.5842	94.8380	-908	PKC	3.0	-1	7.9	-1	1.1	0	0.376	0	2.688	0	7.149	-1	1770	39	1.0
5535.2	10000	38.5847	94.8380	-910	PKC	3.1	0	7.9	-1	1.1	0	0.388	0	2.665	0	6.875	-1	1778	49	1.0
5535.3	10000	38.5853	94.8380	-913	PKC	3.2	0	8.1	-1	1.2	0	0.395	0	2.773	0	7.019	-1	1788	44	1.0
5535.4	10000	38.5858	94.8380	-914	PKC	3.1	0	7.9	-1	1.2	0	0.393	0	2.623	-1	6.679	-1	1806	44	1.0
5535.5	10000	38.5863	94.8380	-914	PKC	3.1	0	8.3	-1	1.2	0	0.376	0	2.695	0	7.171	-1	1807	43	1.0
5535.6	10000	38.5868	94.8380	-914	PKC	3.2	0	8.2	-1	1.1	0	0.385	0	2.773	0	7.208	-1	1825	49	1.0
5535.7	10000	38.5874	94.8380	-915	PKC	3.2	0	8.3	-1	1.1	0	0.389	0	2.837	0	7.288	-1	1834	63	1.1
5535.8	10000	38.5879	94.8380	-915	PKC	3.2	0	8.2	-1	1.2	0	0.394	0	2.818	0	7.146	-1	1844	54	1.1
5535.9	10000	38.5884	94.8381	-915	PKC	3.1	0	8.4	-1	1.1	0	0.372	0	2.805	0	7.545	-1	1841	41	1.1
5536.0	10000	38.5889	94.8381	-914	PKC	3.7	-1	8.4	-1	1.1	0	0.327	0	2.399	-1	7.347	-1	1855	38	1.1
5536.1	10000	38.5895	94.8381	-914	PKC	3.8	-1	8.6	-1	1.2	0	0.327	0	2.440	-1	7.454	-1	1882	49	1.1
5536.2	10000	38.5900	94.8381	-914	PKC	3.6	-1	9.3	0	1.2	0	0.282	-1	2.217	-1	7.867	0	1916	37	1.1
5536.3	10000	38.5905	94.8381	-914	PKC	3.7	-1	9.6	0	1.2	0	0.276	-1	2.192	-1	7.931	0	1937	38	1.1
5536.4	10000	38.5910	94.8381	-914	PKC	3.7	-1	9.8	0	1.2	1	0.273	-1	2.194	-1	8.039	0	1956	34	1.1
5536.5	10000	38.5916	94.8381	-913	PKC	3.8	-1	9.8	1	1.2	1	0.285	-1	2.254	-1	7.920	0	1974	51	1.1
5536.6	10000	38.5921	94.8382	-912	PKC	3.9	-1	10.1	1	1.3	1	0.289	-1	2.251	-1	7.784	0	2006	44	1.1
5536.7	10000	38.5926	94.8382	-911	PKC	4.0	-1	10.3	1	1.3	1	0.290	-1	2.290	-1	7.884	0	2006	40	1.1
5536.8	10000	38.5931	94.8382	-912	PKC	4.3	0	10.3	1	1.3	1	0.320	-1	2.485	-1	7.760	0	2008	42	1.1
5536.9	10000	38.5936	94.8382	-913	PKC	4.7	0	9.9	0	1.3	1	0.370	0	2.754	0	7.448	-1	2020	41	1.1
5537.0	10000	38.5942	94.8382	-914	PKC	4.5	0	10.4	1	1.3	1	0.338	0	2.669	0	7.893	0	2034	56	1.1
5537.1	10000	38.5947	94.8382	-914	PKC	4.5	0	10.7	1	1.3	1	0.324	0	2.606	-1	8.047	0	2047	51	1.1
5537.2	10000	38.5952	94.8382	-913	PKC	4.5	0	10.5	1	1.3	1	0.332	0	2.606	-1	7.729	0	2059	41	1.1
5537.3	10000	38.5957	94.8382	-913	PKC	4.5	0	10.3	1	1.3	1	0.331	0	2.606	-1	7.737	0	2056	46	1.1
5537.4	10000	38.5963	94.8383	-913	PKC	4.5	0	10.3	1	1.3	1	0.336	0	2.606	-1	7.694	0	2073	52	1.1
5537.5	10000	38.5968	94.8383	-912	PKC	4.5	0	9.8	1	1.3	1	0.341	0	2.606	-1	7.993	0	2079	47	1.1
5537.6	10000	38.5973	94.8383	-911	PKC	4.5	0	9.8	1	1.3	1	0.341	0	2.606	-1	7.841	0	2069	45	1.1
5537.7	10000	38.5978	94.8383	-910	PKC	4.5	0	9.8	1	1.3	1	0.375	0	2.606	-1	7.305	0	2064	52	1.1
5537.8	10000	38.5984	94.8383	-910	PKC	4.5	0	9.8	1	1.3	1	0.377	0	2.606	-1	6.885	0	2064	43	1.1
5537.9	10000	38.5989	94.8383	-910	PKC	4.5	0	9.8	1	1.3	1	0.362	0	2.606	-1	7.332	0	2058	44	1.1
5538.0	10000	38.5994	94.8383	-909	PKC	4.5	0	9.8	1	1.3	1	0.347	0	2.606	-1	7.455	0	2051	43	1.1
5538.1	10000	38.5999	94.8383	-909	PKC	4.5	0	9.8	1	1.3	1	0.332	0	2.606	-1	8.099	0	2032	41	1.2
5538.2	10000	38.6005	94.8384	-908	PKC	4.5	0	9.8	1	1.3	1	0.315	0	2.606	-1	7.854	0	2010	48	1.2
5538.3	10000	38.6010	94.8384	-908	PKC	4.5	0	9.8	1	1.3	1	0.329	0	2.606	-1	7.715	0	2008	40	1.2
5538.4	10000	38.6015	94.8384	-908	PKC	4.5	0	9.8	1	1.3	1	0.329	0	2.606	-1	7.132	0	1993	48	1.2
5538.5	10000	38.6020	94.8384	-907	PKC	4.5	0	9.8	1	1.3	1	0.331	0	2.606	-1	7.381	0	1989	46	1.2
5538.6	10000	38.6026	94.8384	-906	PKC	4.5	0	9.8	1	1.3	1	0.334	0	2.606	-1	7.592	0	1975	43	1.2
5538.7	10000	38.6031	94.8384	-906	PKC	4.5	0	9.8	1	1.3	1	0.340	0	2.606	-1	7.542	0	1956	45	1.2
5538.8	10000	38.6036	94.8384	-906	PKC	4.5	0	9.8	1	1.3	1	0.342	0	2.606	-1	7.559	0	1944	31	1.2
5538.9	10000	38.6041	94.8385	-904	PKC	4.5	0	9.8	1	1.3	1	0.342	0	2.606	-1	7.350	0	1941	58	1.2
5539.0	10000	38.6047	94.8385	-902	PKC	4.5	0	9.8	1	1.3	1	0.355	0	2.606	-1	7.343	0	1923	49	1.2
5539.1	10000	38.6052	94.8385	-899	PKC	4.5	0	9.8	1	1.3	1	0.395	0	2.606	-1	7.455	0	1914	47	1.2
5539.2	10000	38.6057	94.8385	-900	PKC	4.5	0	9.8	1	1.3	1	0.411	0	2.606	-1	7.045	0	1895	37	1.2
5539.3	10000	38.6062	94.8385	-904	PKC	4.6	0	9.8	1	1.3	1	0.411	0	2.606	-1	7.094	0	1869	40	1.2

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5539.4	10000	38.6068	94.8385	-905	PKC	3.5	0	8.7	-1	1.1	0	0.405	1	3.265	0	8.053	0	1863	54	1.2
5539.5	10000	38.6073	94.8385	-905	PKC	3.2	0	8.6	-1	1.1	0	0.374	0	2.997	0	8.007	0	1872	38	1.2
5539.6	10000	38.6078	94.8385	-905	PKC	3.3	0	8.7	0	1.1	0	0.381	0	2.907	0	7.623	-1	1891	51	1.2
5539.7	10000	38.6083	94.8385	-905	PKC	3.3	0	8.6	-1	1.1	0	0.390	0	3.130	0	8.033	0	1900	48	1.2
5539.8	10000	38.6088	94.8384	-904	PKC	3.5	0	8.4	-1	1.1	0	0.411	1	3.121	0	7.592	-1	1906	59	1.3
5539.9	10000	38.6094	94.8384	-904	PKC	3.2	0	8.8	0	1.1	0	0.358	0	2.792	0	7.798	0	1914	45	1.3
5540.0	10000	38.6099	94.8384	-904	PKC	3.0	0	8.8	0	1.2	0	0.347	0	2.610	-1	7.523	-1	1926	48	1.3
5540.1	10000	38.6104	94.8384	-905	PKC	3.1	0	8.9	0	1.2	0	0.346	0	2.647	0	7.658	-1	1926	55	1.3
5540.2	10000	38.6109	94.8384	-905	PKC	3.3	0	9.0	0	1.1	0	0.363	0	2.884	0	7.955	0	1917	51	1.3
5540.3	10000	38.6115	94.8384	-905	PKC	3.1	0	9.0	0	1.1	0	0.340	0	2.752	0	8.084	0	1902	47	1.3
5540.4	10000	38.6120	94.8384	-906	PKC	3.0	-1	9.1	0	1.2	0	0.324	0	2.502	-1	7.715	0	1884	52	1.3
5540.5	10000	38.6125	94.8384	-906	PKC	2.8	-1	9.7	0	1.2	0	0.289	-1	2.342	-1	8.093	0	1887	60	1.3
5540.6	10000	38.6130	94.8384	-906	PKC	2.9	-1	9.7	0	1.2	0	0.304	-1	2.454	-1	8.078	0	1895	42	1.3
5540.7	10000	38.6135	94.8384	-906	PKC	3.0	-1	9.4	0	1.2	0	0.314	-1	2.432	-1	7.749	0	1911	45	1.3
5540.8	10000	38.6141	94.8384	-906	PKC	3.1	0	9.5	0	1.2	0	0.323	0	2.556	-1	7.914	0	1929	51	1.3
5540.9	10000	38.6146	94.8384	-907	PKC	2.9	-1	10.1	1	1.3	1	0.292	-1	2.328	-1	7.979	0	1926	52	1.3
5541.0	10000	38.6151	94.8384	-907	PKC	2.8	-1	9.7	0	1.2	0	0.288	-1	2.302	-1	7.990	0	1917	51	1.3
5541.1	10000	38.6156	94.8384	-907	PKC	2.9	-1	9.6	0	1.2	0	0.305	-1	2.393	-1	7.848	0	1920	55	1.3
5541.2	10000	38.6161	94.8384	-906	PKC	2.8	-1	8.8	0	1.2	0	0.319	-1	2.381	-1	7.460	-1	1897	44	1.3
5541.3	10000	38.6167	94.8384	-905	PKC	2.9	-1	8.9	0	1.2	0	0.322	0	2.378	-1	7.388	-1	1894	49	1.3
5541.4	10000	38.6172	94.8384	-904	PKC	2.9	-1	9.1	0	1.2	0	0.324	0	2.423	-1	7.482	-1	1891	54	1.3
5541.5	10000	38.6177	94.8383	-902	PKC	2.8	-1	8.6	-1	1.3	1	0.324	0	2.223	-1	6.860	-1	1874	42	1.3
5541.6	10000	38.6182	94.8383	-900	PKC	2.8	-1	8.0	-1	1.2	1	0.345	0	2.233	-1	6.468	-1	1867	44	1.3
5541.7	10000	38.6188	94.8383	-897	PKC	2.8	-1	8.2	-1	1.3	1	0.345	0	2.273	-1	6.578	-1	1868	37	1.3
5541.8	10000	38.6193	94.8383	-893	PKC	2.8	-1	8.3	-1	1.3	1	0.340	0	2.233	-1	6.570	-1	1861	43	1.3
5541.9	10000	38.6198	94.8383	-890	PKC	2.8	-1	8.3	-1	1.3	1	0.330	0	2.160	-1	6.543	-1	1859	43	1.3
5542.0	10000	38.6203	94.8383	-893	PKC	2.7	-1	8.2	-1	1.3	1	0.331	0	2.205	-1	6.656	-1	1828	45	1.3
5542.1	10000	38.6209	94.8383	-892	PKC	2.6	-1	8.2	-1	1.2	1	0.318	0	2.143	-1	6.743	-1	1807	46	1.3
5542.2	10000	38.6214	94.8383	-889	PKC	2.6	-1	8.1	-1	1.2	1	0.303	0	2.216	-1	7.306	-1	1801	44	1.3
5542.3	10000	38.6219	94.8383	-887	PKC	2.7	-1	8.2	-1	1.2	1	0.311	0	2.428	-1	7.810	0	1803	50	1.3
5542.4	10000	38.6224	94.8383	-885	PKC	2.7	-1	8.0	-1	1.2	1	0.318	0	2.439	-1	7.662	-1	1793	43	1.3
5542.5	10000	38.6229	94.8383	-882	PKC	2.9	-1	8.1	-1	1.2	1	0.339	0	2.691	-1	7.944	0	1795	45	1.3
5542.6	10000	38.6235	94.8383	-880	PKC	3.0	-1	8.2	-1	1.2	1	0.352	0	2.924	-1	8.300	0	1799	44	1.3
5542.7	10000	38.6240	94.8383	-879	PKC	2.8	-1	8.0	-1	1.2	1	0.318	0	2.847	-1	8.941	0	1824	49	1.3
5542.8	10000	38.6245	94.8383	-877	PKC	2.8	-1	8.0	-1	1.2	1	0.307	0	2.916	-1	9.502	0	1827	37	1.3
5542.9	10000	38.6250	94.8383	-876	PKC	2.8	-1	8.0	-1	1.2	1	0.310	0	2.855	-1	9.218	0	1827	36	1.3
5543.0	10000	38.6256	94.8383	-876	PKC	2.7	-1	7.9	-1	1.2	1	0.288	0	2.489	-1	8.642	0	1812	50	1.3
5543.1	10000	38.6261	94.8383	-874	PKC	2.6	-1	7.8	-1	1.2	1	0.288	0	2.464	-1	8.554	0	1808	48	1.3
5543.2	10000	38.6266	94.8383	-872	PKC	2.5	-1	7.8	-1	1.2	1	0.278	0	2.375	-1	8.535	0	1825	36	1.3
5543.3	10000	38.6271	94.8382	-872	PKC	2.6	-1	7.8	-1	1.2	1	0.290	0	2.382	-1	8.222	0	1829	45	1.3
5543.4	10000	38.6276	94.8382	-871	PKC	2.6	-1	7.8	-1	1.2	1	0.283	0	2.254	-1	7.956	0	1823	41	1.3
5543.5	10000	38.6282	94.8382	-869	PKC	2.5	-1	7.8	-1	1.2	1	0.299	0	2.127	-1	7.114	-1	1838	47	1.3
5543.6	10000	38.6287	94.8382	-867	PKC	2.6	-1	7.8	-1	1.2	1	0.308	0	2.219	-1	7.209	-1	1845	54	1.3
5543.7	10000	38.6292	94.8382	-862	PKC	2.6	-1	7.8	-1	1.2	1	0.312	0	2.318	-1	7.407	-1	1867	50	1.3
5543.8	10000	38.6297	94.8382	-851	PKC	2.7	-1	7.8	-1	1.2	1	0.302	0	2.255	-1	7.475	-1	1893	58	1.3
5543.9	10000	38.6303	94.8382	-841	PKC	2.6	-1	7.8	-1	1.2	1	0.283	0	2.107	-1	7.454	-1	1886	66	1.3
5544.0	10000	38.6308	94.8382	-847	PKC	2.7	-1	7.8	-1	1.2	1	0.271	0	1.994	-1	7.361	-1	1894	53	1.3
5544.1	10000	38.6313	94.8382	-867	PKC	2.8	-1	7.8	-1	1.2	1	0.302	0	2.120	-1	7.947	-1	1893	43	1.3
5544.2	10000	38.6318	94.8382	-877	PKC	2.8	-1	7.8	-1	1.2	1	0.298	0	2.184	-1	7.221	-1	1897	45	1.3
5544.3	10000	38.6323	94.8382	-876	PKC	2.8	-1	7.8	-1	1.2	1	0.309	0	2.126	-1	7.143	-1	1908	46	1.3
5544.4	10000	38.6329	94.8382	-874	PKC	2.8	-1	7.8	-1	1.2	1	0.326	0	2.223	-1	7.198	-1	1911	44	1.3
5544.5	10000	38.6334	94.8382	-871	PKC	3.0	-1	7.9	-1	1.2	1	0.326	0	2.335	-1	7.162	-1	1920	48	1.3

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5544.6	10000	38.6339	94.8382	-866	PKC	3.0	-1	9.0	0	1.3	1	0.335	0	2.378	-1	7.101	-1	1916	44	1.3
5544.7	10000	38.6344	94.8382	-864	PKC	3.0	-1	9.2	0	1.2	1	0.325	0	2.409	-1	7.422	-1	1917	50	1.3
5544.8	10000	38.6350	94.8382	-870	PKC	3.1	0	9.1	0	1.2	1	0.341	0	2.508	-1	7.349	-1	1928	39	1.3
5544.9	10000	38.6355	94.8382	-881	PKC	3.1	0	9.2	0	1.2	0	0.338	0	2.559	-1	7.581	-1	1932	52	1.3
5545.0	10000	38.6360	94.8382	-891	PKC	3.1	0	9.0	0	1.2	0	0.339	0	2.527	-1	7.452	-1	1918	44	1.3
5545.1	10000	38.6365	94.8382	-893	PKC	2.9	-1	8.9	0	1.2	1	0.331	0	2.378	-1	7.179	-1	1911	35	1.2
5545.2	10000	38.6371	94.8381	-880	PKC	3.0	-1	8.7	0	1.2	0	0.341	0	2.453	-1	7.190	-1	1892	42	1.2
5545.3	10000	38.6376	94.8381	-867	PKC	3.2	0	8.9	0	1.2	0	0.365	0	2.661	0	7.291	-1	1891	44	1.2
5545.4	10000	38.6381	94.8381	-860	PKC	3.1	0	8.6	-1	1.2	0	0.354	0	2.653	0	7.500	-1	1885	40	1.2
5545.5	10000	38.6386	94.8381	-855	PKC	3.0	-1	8.7	0	1.1	0	0.346	0	2.732	0	7.903	0	1876	62	1.2
5545.6	10000	38.6391	94.8381	-853	PKC	3.1	0	8.4	-1	1.1	0	0.371	0	2.858	0	7.706	0	1862	47	1.2
5545.7	10000	38.6397	94.8381	-851	PKC	3.0	-1	8.6	-1	1.1	0	0.352	0	2.803	0	7.960	0	1866	53	1.2
5545.8	10000	38.6402	94.8381	-848	PKC	2.9	-1	8.6	-1	1.1	0	0.337	0	2.698	0	8.003	0	1885	42	1.2
5545.9	10000	38.6407	94.8381	-846	PKC	2.9	-1	8.7	0	1.2	0	0.337	0	2.551	-1	7.563	-1	1900	59	1.2
5546.0	10000	38.6412	94.8381	-844	PKC	2.8	-1	8.7	0	1.2	0	0.321	0	2.373	-1	7.395	-1	1917	43	1.2
5546.1	10000	38.6418	94.8381	-842	PKC	2.9	-1	8.5	-1	1.3	1	0.341	0	2.306	-1	6.766	-1	1924	41	1.2
5546.2	10000	38.6423	94.8381	-840	PKC	2.9	-1	8.7	0	1.3	1	0.333	0	2.283	-1	6.860	-1	1934	47	1.2
5546.3	10000	38.6428	94.8381	-837	PKC	3.0	-1	9.1	0	1.3	1	0.328	0	2.293	-1	7.000	-1	1952	40	1.2
5546.4	10000	38.6433	94.8381	-836	PKC	3.0	0	9.0	0	1.3	1	0.340	0	2.325	-1	6.843	-1	1968	58	1.2
5546.5	10000	38.6438	94.8381	-834	PKC	3.3	0	9.3	0	1.3	1	0.361	0	2.537	-1	7.037	-1	1977	52	1.2
5546.6	10000	38.6444	94.8381	-833	PKC	3.1	0	9.2	0	1.2	1	0.338	0	2.489	-1	7.359	-1	1974	45	1.2
5546.7	10000	38.6449	94.8381	-832	PKC	3.1	0	9.5	0	1.3	1	0.322	0	2.407	-1	7.477	-1	1971	51	1.2
5546.8	10000	38.6454	94.8380	-831	PKC	2.9	-1	9.7	0	1.2	1	0.304	-1	2.368	-1	7.783	0	1972	50	1.2
5546.9	10000	38.6459	94.8380	-830	PKC	2.8	-1	9.7	0	1.3	1	0.293	-1	2.200	-1	7.508	-1	1965	43	1.2
5547.0	10000	38.6465	94.8380	-829	PKC	2.6	-1	9.7	0	1.3	1	0.270	-1	2.033	-1	7.526	-1	1956	44	1.2
5547.1	10000	38.6470	94.8380	-829	PKC	2.5	-1	9.7	0	1.3	1	0.263	-1	1.914	-2	7.290	-1	1962	35	1.2
5547.2	10000	38.6475	94.8380	-827	PKC	2.4	-2	9.7	0	1.3	1	0.242	-1	1.779	-2	7.361	-1	1949	43	1.2
5547.3	10000	38.6480	94.8380	-826	PKC	2.6	-1	10.2	1	1.3	1	0.251	-1	1.899	-2	7.565	-1	1958	38	1.2
5547.4	10000	38.6485	94.8380	-826	PKC	2.5	-1	9.8	0	1.3	1	0.259	-1	1.956	-1	7.555	-1	1973	53	1.2
5547.5	10000	38.6491	94.8380	-826	PKC	2.8	-1	9.9	0	1.4	1	0.281	-1	2.021	-1	7.181	-1	1999	52	1.1
5547.6	10000	38.6496	94.8380	-826	PKC	2.8	-1	9.7	0	1.4	1	0.294	-1	2.100	-1	7.149	-1	2020	49	1.1
5547.7	10000	38.6501	94.8380	-825	PKC	2.9	-1	9.9	0	1.4	1	0.309	-1	2.137	-1	6.922	-1	2058	56	1.1
5547.8	10000	38.6506	94.8380	-826	PKC	3.2	-1	9.9	0	1.4	1	0.310	-1	2.309	-1	7.441	-1	2089	58	1.1
5547.9	10000	38.6512	94.8380	-825	PKC	3.3	-1	9.9	0	1.4	1	0.339	-1	2.328	-1	6.873	-1	2135	33	1.1
5548.0	10000	38.6517	94.8380	-825	PKC	3.2	-1	9.9	0	1.4	1	0.336	-1	2.255	-1	6.709	-1	2159	42	1.1
5548.1	10000	38.6522	94.8380	-826	PKC	3.2	-1	9.9	0	1.4	1	0.324	-1	2.192	-1	6.773	-1	2179	39	1.1
5548.2	10000	38.6527	94.8380	-826	PKC	3.2	-1	9.9	0	1.4	1	0.327	-1	2.280	-1	6.976	-1	2178	54	1.1
5548.3	10000	38.6532	94.8380	-826	PKC	3.2	-1	9.9	0	1.4	1	0.318	-1	2.153	-1	6.770	-1	2180	37	1.1
5548.4	10000	38.6538	94.8380	-826	PKC	3.2	-1	9.9	0	1.4	1	0.320	-1	2.191	-1	6.840	-1	2168	52	1.1
5548.5	10000	38.6543	94.8380	-826	PKC	3.2	-1	9.9	0	1.4	1	0.335	-1	2.247	-1	6.700	-1	2138	46	1.1
5548.6	10000	38.6548	94.8380	-826	PKC	3.2	-1	9.9	0	1.4	1	0.296	-1	2.027	-1	6.842	-1	2109	46	1.1
5548.7	10000	38.6553	94.8379	-826	PKC	3.2	-1	9.9	0	1.4	1	0.274	-1	1.890	-2	6.907	-1	2073	39	1.1
5548.8	10000	38.6558	94.8379	-826	PKC	3.2	-1	9.9	0	1.4	1	0.275	-1	1.872	-2	6.811	-1	2038	39	1.1
5548.9	10000	38.6564	94.8379	-826	PKC	3.2	-1	9.9	0	1.4	1	0.267	-1	1.875	-2	7.027	-1	2016	43	1.1
5549.0	10000	38.6569	94.8379	-826	PKC	3.2	-1	9.9	0	1.4	1	0.288	-1	2.132	-1	7.392	-1	1994	58	1.1
5549.1	10000	38.6574	94.8379	-826	PKC	3.2	-1	9.9	0	1.4	1	0.274	-1	2.130	-1	7.771	0	1960	36	1.1
5549.2	10000	38.6579	94.8379	-826	PKC	3.2	-1	9.9	0	1.4	1	0.253	-1	1.971	-1	7.798	0	1955	62	1.1
5549.3	10000	38.6585	94.8379	-826	PKC	3.2	-1	9.9	0	1.4	1	0.272	-1	2.080	-1	7.388	0	1930	40	1.1
5549.4	10000	38.6590	94.8379	-826	PKC	3.2	-1	9.9	0	1.4	1	0.294	-1	2.430	-1	8.261	0	1922	46	1.1
5549.5	10000	38.6595	94.8379	-825	PKC	3.2	-1	9.9	0	1.4	1	0.307	-1	2.561	-1	8.337	0	1898	49	1.1
5549.6	10000	38.6600	94.8379	-825	PKC	3.2	-1	9.9	0	1.4	1	0.305	-1	2.423	-1	7.935	0	1877	46	1.1
5549.7	10000	38.6606	94.8379	-825	PKC	2.8	-1	9.4	0	1.2	1	0.302	-1	2.332	-1	7.725	0	1861	55	1.1

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5549.8	10000	38.6611	94.8379	-825	PKC	2.9	-1	9.2	0	1.2	0	0.316	-1	2.445	-1	7.739	0	1847	50	1.1
5549.9	10000	38.6616	94.8379	-824	PKC	3.0	0	8.9	0	1.2	0	0.342	0	2.576	-1	7.525	-1	1821	53	1.1
5550.0	10000	38.6621	94.8379	-822	PKC	2.8	-1	8.8	0	1.2	1	0.314	-1	2.253	-1	7.168	-1	1827	51	1.1
5550.1	10000	38.6626	94.8379	-821	PKC	2.7	-1	8.6	-1	1.2	0	0.319	-1	2.248	-1	7.047	-1	1829	51	1.1
5550.2	10000	38.6632	94.8379	-823	PKC	2.8	-1	8.9	0	1.3	1	0.308	-1	2.169	-1	7.046	-1	1868	43	1.1
5550.3	10000	38.6637	94.8379	-824	PKC	2.8	-1	9.6	0	1.3	1	0.297	-1	2.256	-1	7.605	-1	1906	44	1.1
5550.4	10000	38.6642	94.8378	-823	PKC	2.9	-1	9.9	0	1.3	1	0.295	-1	2.319	-1	7.854	0	1965	39	1.1
5550.5	10000	38.6647	94.8378	-822	PKC	3.1	0	10.1	1	1.3	1	0.305	-1	2.295	-1	7.514	-1	2032	42	1.1
5550.6	10000	38.6652	94.8378	-821	PKC	3.4	0	10.3	1	1.4	2	0.328	0	2.395	-1	7.311	-1	2099	66	1.1
5550.7	10000	38.6658	94.8378	-820	PKC	3.7	1	10.3	1	1.5	2	0.357	0	2.505	-1	7.024	-1	2147	49	1.1
5550.8	10000	38.6663	94.8378	-819	PKC	3.8	1	10.7	1	1.5	2	0.350	0	2.455	-1	7.009	-1	2203	39	1.1
5550.9	10000	38.6668	94.8378	-818	PKC	3.8	1	10.6	1	1.6	2	0.361	0	2.431	-1	6.738	-1	2235	42	1.1
5551.0	10000	38.6673	94.8378	-818	PKC	3.7	1	10.5	1	1.6	3	0.357	0	2.307	-1	6.472	-1	2249	44	1.1
5551.1	10000	38.6679	94.8378	-817	PKC	3.6	1	10.9	1	1.6	3	0.334	0	2.222	-1	6.648	-1	2264	48	1.1
5551.2	10000	38.6684	94.8378	-815	PKC	3.4	0	11.1	1	1.6	3	0.306	-1	2.063	-1	6.736	-1	2254	55	1.1
5551.3	10000	38.6689	94.8378	-814	PKC	3.2	0	10.9	1	1.7	3	0.295	-1	1.916	-2	6.500	-1	2250	36	1.1
5551.4	10000	38.6694	94.8378	-813	PKC	3.2	0	10.9	1	1.6	3	0.294	-1	1.969	-1	6.699	-1	2234	41	1.1
5551.5	10000	38.6700	94.8378	-812	PKC	3.1	0	10.2	1	1.6	2	0.302	-1	1.980	-1	6.560	-1	2212	42	1.1
5551.6	10000	38.6705	94.8378	-811	PKC	3.2	0	10.1	1	1.5	2	0.313	-1	2.080	-1	6.643	-1	2193	52	1.1
5551.7	10000	38.6710	94.8378	-809	PKC	3.5	0	10.1	1	1.5	2	0.340	0	2.307	-1	6.776	-1	2172	47	1.1
5551.8	10000	38.6715	94.8378	-807	PKC	3.4	0	9.4	1	1.4	2	0.359	0	2.337	-1	6.509	-1	2129	38	1.1
5551.9	10000	38.6720	94.8378	-806	PKC	3.4	0	9.3	1	1.4	2	0.363	0	2.357	-1	6.497	-1	2107	39	1.1
5552.0	10000	38.6726	94.8378	-806	PKC	3.2	0	9.4	1	1.3	2	0.344	0	2.408	-1	7.003	-1	2059	53	1.1
5552.1	10000	38.6731	94.8378	-805	PKC	3.3	0	9.1	1	1.3	1	0.363	0	2.581	-1	7.112	-1	2017	53	1.1
5552.2	10000	38.6736	94.8377	-803	PKC	3.4	0	9.5	1	1.3	1	0.356	0	2.543	-1	7.135	-1	1981	42	1.1
5552.3	10000	38.6741	94.8377	-801	PKC	3.0	-1	9.3	1	1.3	1	0.318	-1	2.323	-1	7.307	-1	1933	36	1.1
5552.4	10000	38.6747	94.8377	-799	PKC	2.6	-1	9.0	1	1.3	1	0.293	-1	2.111	-1	7.195	-1	1894	55	1.1
5552.5	10000	38.6752	94.8377	-798	PKC	2.6	-1	9.1	1	1.3	2	0.288	-1	2.133	-1	7.405	-1	1861	48	1.1
5552.6	10000	38.6757	94.8377	-797	PKC	2.8	-1	8.8	1	1.2	2	0.328	0	2.377	-1	7.253	-1	1830	46	1.1
5552.7	10000	38.6762	94.8377	-796	PKC	2.9	-1	8.6	1	1.2	2	0.337	0	2.488	-1	7.385	-1	1808	48	1.1
5552.8	10000	38.6767	94.8377	-794	PKC	2.7	-1	8.6	1	1.2	2	0.313	-1	2.229	-1	7.125	-1	1802	40	1.1
5552.9	10000	38.6773	94.8377	-792	PKC	2.7	-1	8.8	1	1.2	1	0.305	-1	2.350	-1	7.692	-1	1794	43	1.1
5553.0	10000	38.6778	94.8377	-791	PKC	3.0	0	8.7	1	1.3	1	0.350	0	2.665	-1	7.609	-1	1814	54	1.1
5553.1	10000	38.6783	94.8377	-789	PKC	3.2	1	9.0	1	1.3	1	0.357	0	2.892	0	8.101	0	1823	31	1.1
5553.2	10000	38.6788	94.8377	-787	PKC	3.1	1	9.0	1	1.3	1	0.349	0	2.766	0	7.925	0	1823	37	1.1
5553.3	10000	38.6794	94.8377	-785	PKC	3.1	1	9.0	1	1.3	1	0.333	0	2.752	0	8.255	0	1837	46	1.1
5553.4	10000	38.6799	94.8377	-784	PKC	3.2	1	9.0	1	1.3	1	0.349	0	2.824	0	8.096	0	1850	44	1.2
5553.5	10000	38.6804	94.8377	-781	PKC	3.3	1	9.0	1	1.3	1	0.371	0	3.105	0	8.375	0	1862	50	1.2
5553.6	10000	38.6809	94.8377	-779	PKC	3.3	1	9.0	1	1.3	1	0.342	0	2.863	0	8.384	0	1880	49	1.2
5553.7	10000	38.6814	94.8377	-777	PKC	3.2	1	9.0	1	1.3	1	0.317	0	2.731	0	8.614	0	1857	43	1.2
5553.8	10000	38.6820	94.8377	-775	PKC	3.1	1	9.0	1	1.3	1	0.296	-1	2.437	-1	8.220	0	1850	58	1.2
5553.9	10000	38.6825	94.8376	-771	PKC	2.9	1	8.7	1	1.3	1	0.329	0	2.557	-1	7.767	0	1841	41	1.2
5554.0	10000	38.6830	94.8376	-766	PKC	2.8	1	8.7	1	1.3	1	0.339	0	2.502	-1	7.378	-1	1820	45	1.2
5554.1	10000	38.6835	94.8376	-760	PKC	2.7	1	8.7	1	1.3	1	0.326	0	2.444	-1	7.492	-1	1814	50	1.2
5554.2	10000	38.6841	94.8376	-759	PKC	2.7	1	8.7	1	1.3	1	0.320	0	2.392	-1	7.482	-1	1799	45	1.2
5554.3	10000	38.6846	94.8376	-758	PKC	2.7	1	8.7	1	1.3	1	0.325	0	2.553	-1	7.188	-1	1772	48	1.2
5554.4	10000	38.6851	94.8376	-748	PKC	2.8	1	8.7	1	1.3	1	0.342	0	2.467	-1	7.216	-1	1775	45	1.2
5554.5	10000	38.6856	94.8376	-738	PKC	2.8	1	8.7	1	1.3	1	0.368	0	2.673	-1	7.270	-1	1795	61	1.2
5554.6	10000	38.6862	94.8376	-750	PKC	2.7	1	8.7	1	1.3	1	0.301	0	2.404	-1	7.997	0	1819	48	1.2
5554.7	10000	38.6868	94.8376	-763	PKC	2.5	1	8.7	1	1.3	1	0.258	-1	2.090	-1	8.112	0	1839	44	1.2
5554.8	10000	38.6873	94.8376	-766	PKC	2.3	1	8.7	1	1.3	1	0.245	-1	1.948	-1	7.955	0	1864	47	1.2
5554.9	10000	38.6879	94.8376	-764	PKC	2.2	-2	8.7	1	1.2	1	0.223	-2	1.780	-2	7.980	0	1895	51	1.2

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5555.0	10000	38.6884	94.8376	-763	PKC	2.3	-2	10.0	1	1.3	1	0.227	-2	1.783	-2	7.851	0	1920	42	1.2
5555.1	10000	38.6889	94.8376	-762	PKC	2.3	-2	9.8	0	1.3	1	0.232	-2	1.826	-2	7.872	0	1931	42	1.2
5555.2	10000	38.6895	94.8376	-761	PKC	2.4	-2	10.0	1	1.3	1	0.241	-1	1.919	-2	7.962	0	1922	42	1.2
5555.3	10000	38.6901	94.8376	-760	PKC	2.3	-2	9.5	0	1.3	1	0.245	-1	1.861	-2	7.581	-1	1908	52	1.2
5555.4	10000	38.6906	94.8376	-758	PKC	2.6	-1	9.3	0	1.2	1	0.284	-1	2.153	-1	7.593	-1	1906	46	1.2
5555.5	10000	38.6912	94.8376	-757	PKC	2.5	-1	9.4	0	1.2	1	0.265	-1	2.072	-1	7.826	0	1895	60	1.2
5555.6	10000	38.6917	94.8375	-753	PKC	2.6	-1	9.1	0	1.1	1	0.287	-1	2.351	-1	8.185	0	1873	57	1.2
5555.7	10000	38.6923	94.8375	-756	PKC	2.5	-1	9.3	0	1.1	1	0.273	-1	2.371	-1	8.679	0	1856	47	1.2
5555.8	10000	38.6928	94.8375	-761	PKC	2.7	-1	9.4	0	1.1	1	0.281	-1	2.396	-1	8.538	0	1851	40	1.2
5555.9	10000	38.6934	94.8375	-763	PKC	2.6	-1	9.3	0	1.1	1	0.274	-1	2.382	-1	8.709	0	1851	38	1.2
5556.0	10000	38.6939	94.8375	-762	PKC	2.7	-1	9.5	0	1.1	1	0.285	-1	2.543	-1	8.921	0	1868	50	1.3
5556.1	10000	38.6945	94.8375	-762	PKC	2.7	-1	9.9	0	1.1	1	0.269	-1	2.459	-1	9.148	1	1873	41	1.3
5556.2	10000	38.6950	94.8375	-763	PKC	2.7	-1	9.8	0	1.1	1	0.279	-1	2.517	-1	9.007	1	1859	37	1.3
5556.3	10000	38.6956	94.8375	-764	PKC	2.7	-1	9.5	0	1.2	1	0.288	-1	2.357	-1	8.196	0	1858	41	1.3
5556.4	10000	38.6961	94.8375	-765	PKC	2.7	-1	9.5	0	1.2	1	0.286	-1	2.286	-1	7.983	0	1874	50	1.3
5556.5	10000	38.6967	94.8375	-766	PKC	2.6	-1	9.5	0	1.2	1	0.276	-1	2.270	-1	8.225	0	1868	46	1.3
5556.6	10000	38.6972	94.8375	-767	PKC	2.5	-1	9.3	0	1.2	1	0.273	-1	2.122	-1	7.775	0	1871	50	1.3
5556.7	10000	38.6978	94.8375	-767	PKC	2.5	-1	9.6	0	1.2	1	0.264	-1	2.093	-1	7.919	0	1872	31	1.3
5556.8	10000	38.6983	94.8375	-769	PKC	2.4	-2	9.4	0	1.2	1	0.253	-1	2.036	-1	8.050	0	1859	52	1.3
5556.9	10000	38.6989	94.8375	-770	PKC	2.5	-1	9.5	0	1.2	1	0.261	-1	2.090	-1	8.019	0	1869	55	1.3
5557.0	10000	38.6994	94.8375	-771	PKC	2.4	-2	9.9	0	1.1	1	0.237	-2	2.053	-1	8.651	0	1875	48	1.3
5557.1	10000	38.7000	94.8374	-772	PKC	2.3	-2	9.9	0	1.1	1	0.237	-2	2.086	-1	8.811	0	1862	27	1.3
5557.2	10000	38.7005	94.8374	-772	PKC	2.3	-2	9.8	0	1.1	1	0.236	-2	2.064	-1	8.748	0	1859	43	1.3
5557.3	10000	38.7011	94.8374	-773	PKC	2.5	-1	9.9	0	1.1	1	0.251	-1	2.262	-1	9.008	1	1851	51	1.3
5557.4	10000	38.7016	94.8374	-774	PKC	2.6	-1	9.5	0	1.1	1	0.270	-1	2.353	-1	8.703	0	1834	51	1.3
5557.5	10000	38.7022	94.8374	-775	PKC	2.6	-1	9.2	0	1.1	1	0.284	-1	2.454	-1	8.645	0	1819	53	1.3
5557.6	10000	38.7027	94.8374	-776	PKC	2.6	-1	9.0	0	1.0	-1	0.289	-1	2.532	-1	8.754	0	1807	43	1.3
5557.7	10000	38.7033	94.8374	-777	PKC	2.6	-1	8.8	0	1.0	-1	0.293	-1	2.490	-1	8.503	0	1784	45	1.3
5557.8	10000	38.7038	94.8374	-778	PKC	2.5	-1	9.0	0	1.0	0	0.282	-1	2.412	-1	8.538	0	1777	55	1.3
5557.9	10000	38.7044	94.8374	-780	PKC	2.6	-1	8.8	0	1.1	1	0.301	-1	2.502	-1	8.314	0	1782	50	1.3
5558.0	10000	38.7049	94.8374	-781	PKC	2.5	-1	8.7	0	1.1	1	0.288	-1	2.370	-1	8.229	0	1771	58	1.3
5558.1	10000	38.7055	94.8374	-783	PKC	2.5	-2	8.8	0	1.1	1	0.288	-1	2.484	-1	8.621	0	1728	45	1.3
5558.2	10000	38.7060	94.8374	-785	PKC	2.5	-2	8.5	-1	1.1	1	0.300	-1	2.527	-1	8.420	0	1676	54	1.3
5558.3	10000	38.7066	94.8374	-787	PKC	2.2	-2	8.2	-1	1.1	1	0.269	-1	2.226	-1	8.289	0	1623	47	1.3
5558.4	10000	38.7071	94.8374	-788	PKC	2.0	-2	7.9	-1	1.1	1	0.257	-1	2.149	-1	8.370	0	1603	43	1.3
5558.5	10000	38.7077	94.8374	-790	PKC	2.2	-2	8.3	-1	1.1	1	0.298	-1	2.362	-1	7.919	0	1588	53	1.3
5558.6	10000	38.7082	94.8374	-793	PKC	2.1	-2	8.1	-1	1.1	1	0.285	-1	2.268	-1	7.952	0	1566	40	1.3
5558.7	10000	38.7088	94.8374	-795	PLP	2.0	-2	7.9	-1	1.1	1	0.267	-1	2.243	-1	7.401	0	1575	45	1.3
5558.8	10000	38.7093	94.8373	-797	PLP	2.1	-2	8.0	-1	1.1	1	0.259	-1	2.159	-1	8.345	0	1615	47	1.3
5558.9	10000	38.7099	94.8373	-800	PLP	2.1	-2	8.0	-1	1.1	1	0.245	-2	2.025	-1	8.250	0	1690	50	1.3
5559.0	10000	38.7104	94.8373	-803	PLP	2.3	-2	8.7	-1	1.1	1	0.273	-1	2.113	-1	7.728	-1	1756	30	1.4
5559.1	10000	38.7110	94.8373	-806	PLP	2.5	-2	8.8	-1	1.1	1	0.283	-1	2.179	-1	7.701	-1	1811	49	1.4
5559.2	10000	38.7115	94.8373	-810	PLP	2.4	-2	8.5	-1	1.1	1	0.267	-1	2.127	-1	7.971	0	1849	45	1.4
5559.3	10000	38.7121	94.8373	-813	PLP	2.6	-1	9.1	0	1.2	1	0.273	-1	2.226	-1	8.165	0	1908	38	1.4
5559.4	10000	38.7126	94.8373	-817	PLP	2.7	-1	9.2	0	1.2	1	0.278	-1	2.187	-1	7.869	0	1945	46	1.4
5559.5	10000	38.7132	94.8373	-821	PLP	2.6	-1	9.3	0	1.2	1	0.275	-1	2.063	-1	7.493	-1	1985	52	1.4
5559.6	10000	38.7137	94.8373	-825	PLP	2.7	-1	9.4	0	1.2	1	0.279	-1	2.065	-1	7.397	-1	2005	63	1.4
5559.7	10000	38.7143	94.8373	-830	PLP	2.8	-1	9.7	0	1.2	1	0.287	-1	2.233	-1	7.794	-1	2034	49	1.4
5559.8	10000	38.7148	94.8373	-834	PLP	2.9	-1	9.7	0	1.2	1	0.300	-1	2.342	-1	7.811	-1	2043	46	1.4
5559.9	10000	38.7154	94.8373	-839	PLP	3.0	-1	9.7	0	1.3	1	0.295	-1	2.328	-1	7.894	-1	2059	36	1.4
5560.0	10000	38.7159	94.8373	-843	PLP	2.7	-1	10.1	0	1.3	1	0.274	-1	2.107	-1	7.698	-1	2065	47	1.4
5560.1	10000	38.7165	94.8373	-847	PLP	2.8	-1	10.1	0	1.3	1	0.279	-1	2.150	-1	7.701	-1	2069	44	1.4

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5560.2	10000	38.7170	94.8372	-850	PLP	3.1	0	10.1	0	1.3	1	0.310	0	2.417	-1	7.804	-1	2066	52	1.4
5560.3	10000	38.7176	94.8372	-855	PLP	3.0	0	9.7	0	1.3	1	0.314	0	2.388	-1	7.614	-1	2057	44	1.4
5560.4	10000	38.7181	94.8372	-858	PLP	3.2	0	10.0	0	1.3	1	0.322	0	2.561	0	7.951	0	2054	33	1.4
5560.5	10000	38.7187	94.8372	-861	PLP	3.1	0	9.9	0	1.2	1	0.313	0	2.524	-1	8.061	0	2039	49	1.3
5560.6	10000	38.7193	94.8372	-863	PLP	3.1	0	9.7	0	1.2	0	0.320	0	2.524	-1	7.897	0	2035	62	1.3
5560.7	10000	38.7198	94.8372	-866	PLP	3.2	0	9.4	0	1.2	0	0.339	0	2.669	0	7.886	0	2012	37	1.3
5560.8	10000	38.7203	94.8372	-866	PLP	3.3	0	9.3	0	1.2	0	0.352	0	2.757	0	7.834	-1	1996	39	1.3
5560.9	10000	38.7209	94.8372	-871	PLP	3.1	0	9.4	0	1.2	0	0.330	0	2.573	0	7.801	-1	1977	55	1.3
5561.0	10000	38.7214	94.8372	-873	PLP	3.2	0	9.4	0	1.2	0	0.342	0	2.709	0	7.915	0	1973	59	1.3
5561.1	10000	38.7220	94.8372	-875	PLP	2.9	-1	9.2	0	1.2	0	0.311	0	2.388	-1	7.680	-1	1958	53	1.3
5561.2	10000	38.7225	94.8372	-877	PLP	2.8	-1	9.3	0	1.2	0	0.305	-1	2.345	-1	7.699	-1	1955	54	1.3
5561.3	10000	38.7231	94.8372	-876	PLP	2.9	-1	9.4	0	1.2	0	0.311	0	2.394	-1	7.698	-1	1938	46	1.3
5561.4	10000	38.7236	94.8372	-877	PLP	2.9	-1	9.3	0	1.2	0	0.316	0	2.462	-1	7.781	-1	1923	57	1.3
5561.5	10000	38.7242	94.8372	-879	PLP	3.0	-1	9.1	-1	1.2	0	0.326	0	2.499	-1	7.659	-1	1915	42	1.3
5561.6	10000	38.7247	94.8372	-883	PLP	3.2	0	8.9	-1	1.1	0	0.356	0	2.802	0	7.865	0	1895	54	1.3
5561.7	10000	38.7253	94.8372	-885	PLP	3.0	0	8.8	-1	1.1	0	0.348	0	2.852	0	8.194	0	1858	46	1.3
5561.8	10000	38.7259	94.8372	-887	PLP	3.1	0	8.3	-1	1.0	-1	0.371	1	2.998	0	8.088	0	1803	46	1.3
5561.9	10000	38.7264	94.8371	-888	PLP	2.9	-1	7.9	-2	1.0	-1	0.401	1	3.066	0	7.640	-1	1777	58	1.3
5562.0	10000	38.7270	94.8371	-888	PLP	2.9	-1	7.8	-2	1.0	-1	0.377	1	2.846	0	7.550	-1	1762	53	1.3
5562.1	10000	38.7275	94.8371	-889	PLP	2.9	-1	7.9	-2	1.0	-1	0.361	0	2.747	0	7.606	-1	1753	50	1.3
5562.2	10000	38.7281	94.8371	-890	PLP	2.6	-1	7.9	-2	1.1	-1	0.330	0	2.475	-1	7.491	-1	1738	57	1.3
5562.3	10000	38.7286	94.8371	-891	PLP	2.3	-2	8.0	-2	1.1	0	0.292	-1	2.102	-1	7.192	-1	1747	40	1.3
5562.4	10000	38.7292	94.8371	-892	PLP	2.4	-2	8.3	-1	1.1	0	0.291	-1	2.133	-1	7.340	-1	1766	42	1.3
5562.5	10000	38.7297	94.8371	-893	PLP	2.6	-1	8.6	-1	1.1	0	0.301	-1	2.292	-1	7.624	-1	1789	43	1.3
5562.6	10000	38.7303	94.8371	-894	PLP	2.5	-2	8.6	-1	1.1	0	0.285	-1	2.241	-1	7.854	0	1782	42	1.2
5562.7	10000	38.7308	94.8371	-895	PLP	2.6	-1	8.3	-1	1.1	-1	0.315	0	2.474	-1	7.856	0	1762	50	1.2
5562.8	10000	38.7314	94.8371	-895	PLP	2.6	-1	8.1	-1	1.0	-1	0.319	0	2.510	-1	7.863	0	1739	63	1.2
5562.9	10000	38.7319	94.8371	-894	PLP	2.5	-1	8.0	-2	1.0	-1	0.318	0	2.597	0	8.160	0	1709	37	1.2
5563.0	10000	38.7325	94.8371	-894	PLP	2.7	-1	7.7	-2	0.9	-1	0.344	0	2.951	0	8.577	0	1673	38	1.2
5563.1	10000	38.7330	94.8371	-892	PLP	2.5	-1	7.7	-2	0.9	-1	0.352	0	2.812	0	7.979	0	1652	50	1.2
5563.2	10000	38.7336	94.8371	-891	PLP	2.6	-1	7.8	-2	0.9	-1	0.350	0	2.852	0	8.154	0	1654	41	1.2
5563.3	10000	38.7341	94.8371	-892	PLP	2.9	-1	7.8	-2	0.9	-1	0.383	0	3.094	0	8.086	0	1665	63	1.2
5563.4	10000	38.7347	94.8371	-894	PLP	2.8	-1	7.7	-2	0.9	-1	0.347	0	2.942	0	8.487	0	1679	37	1.2
5563.5	10000	38.7352	94.8371	-893	PLP	2.8	-1	7.8	-2	0.9	-1	0.343	0	2.896	0	8.434	0	1709	40	1.2
5563.6	10000	38.7358	94.8370	-893	PLP	2.8	-1	7.7	-2	0.9	-1	0.362	0	3.052	0	8.427	0	1747	45	1.2
5563.7	10000	38.7363	94.8370	-890	PLP	2.8	-1	7.7	-2	0.9	-1	0.352	0	2.945	0	8.370	0	1791	34	1.2
5563.8	10000	38.7369	94.8370	-887	PLP	2.8	-1	7.8	-2	0.9	-1	0.362	0	3.029	0	8.376	0	1825	45	1.2
5563.9	10000	38.7374	94.8370	-889	PLP	2.8	-1	7.8	-2	0.9	-1	0.362	0	3.052	0	8.384	0	1873	56	1.2
5564.0	10000	38.7380	94.8370	-890	PLP	2.8	-1	7.8	-2	0.9	-1	0.357	0	2.887	0	8.085	0	1915	47	1.2
5564.1	10000	38.7385	94.8370	-889	PLP	2.8	-1	7.8	-2	0.9	-1	0.357	0	2.643	0	7.413	0	1960	50	1.2
5564.2	10000	38.7391	94.8370	-888	PLP	2.8	-1	7.8	-2	0.9	-1	0.364	0	2.540	0	6.978	0	1991	57	1.2
5564.3	10000	38.7396	94.8370	-887	PLP	2.8	-1	7.8	-2	0.9	-1	0.362	0	2.511	0	6.927	0	2037	53	1.2
5564.4	10000	38.7402	94.8370	-886	PLP	2.8	-1	7.8	-2	0.9	-1	0.343	0	2.475	0	7.213	0	2086	45	1.2
5564.5	10000	38.7407	94.8370	-885	PLP	2.8	-1	7.8	-2	0.9	-1	0.338	0	2.535	0	7.495	0	2119	38	1.2
5564.6	10000	38.7413	94.8370	-884	PLP	2.8	-1	7.8	-2	0.9	-1	0.336	0	2.552	0	7.598	0	2121	38	1.2
5564.7	10000	38.7418	94.8370	-883	PLP	2.8	-1	7.8	-2	0.9	-1	0.324	0	2.367	0	7.298	0	2137	38	1.2
5564.8	10000	38.7424	94.8370	-882	PLP	2.8	-1	7.8	-2	0.9	-1	0.324	0	2.367	0	7.214	0	2145	38	1.2
5564.9	10000	38.7429	94.8370	-880	PLP	2.8	-1	7.8	-2	0.9	-1	0.324	0	2.367	0	7.312	0	2163	38	1.2
5565.0	10000	38.7435	94.8369	-879	PLP	2.8	-1	7.8	-2	0.9	-1	0.324	0	2.367	0	7.290	0	2149	38	1.2
5565.1	10000	38.7440	94.8369	-878	PLP	2.8	-1	7.8	-2	0.9	-1	0.324	0	2.367	0	7.856	0	2114	38	1.2
5565.2	10000	38.7446	94.8369	-876	PLP	2.8	-1	7.8	-2	0.9	-1	0.324	0	2.367	0	8.140	0	2097	38	1.2
5565.3	10000	38.7451	94.8369	-874	PLP	2.8	-1	7.8	-2	0.9	-1	0.324	0	2.367	0	8.840	0	2077	42	1.2

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5565.4	10000	38.7457	94.8369	-872	PLP	3.6	1	9.5	0	1.3	1	0.379	1	2.800	0	7.387	-1	2045	55	1.0
5565.5	10000	38.7462	94.8369	-871	PLP	3.4	1	9.8	0	1.3	1	0.347	0	2.705	0	7.787	-1	2002	50	1.0
5565.6	10000	38.7468	94.8369	-870	PLP	3.3	0	9.7	0	1.2	0	0.342	0	2.865	0	8.366	0	1943	47	1.0
5565.7	10000	38.7473	94.8369	-869	PLP	3.3	0	9.4	0	1.1	0	0.355	0	3.031	0	8.545	0	1897	58	1.0
5565.8	10000	38.7479	94.8369	-868	PLP	3.4	-1	8.9	-1	1.0	-1	0.387	1	3.264	1	8.439	0	1844	46	1.0
5565.9	10000	38.7484	94.8369	-866	PLP	3.4	-1	8.9	-1	1.0	-1	0.381	1	3.457	1	9.082	0	1815	65	1.0
5566.0	10000	38.7490	94.8369	-863	PLP	3.3	-1	8.5	-1	0.9	-1	0.389	1	3.552	1	9.141	0	1781	44	0.9
5566.1	10000	38.7495	94.8369	-862	PLP	3.2	-1	8.3	-1	1.0	-1	0.389	1	3.359	1	8.631	0	1766	53	0.9
5566.2	10000	38.7501	94.8369	-860	PLP	3.1	-2	8.0	-1	0.9	-1	0.385	1	3.294	1	8.556	0	1762	47	0.9
5566.3	10000	38.7506	94.8369	-858	PLP	3.3	-2	7.9	-2	0.9	-1	0.419	1	3.538	1	8.440	0	1779	54	0.9
5566.4	10000	38.7512	94.8369	-855	PLP	3.3	-2	8.0	-2	1.0	-1	0.409	1	3.320	1	8.125	0	1809	44	0.9
5566.5	10000	38.7517	94.8369	-853	PLP	3.3	-1	8.7	-1	1.0	-1	0.378	1	3.274	1	8.673	0	1866	43	0.9
5566.6	10000	38.7523	94.8369	-851	PLP	3.2	-1	8.2	-1	1.1	0	0.394	1	3.020	1	7.656	-1	1894	63	0.9
5566.7	10000	38.7528	94.8369	-849	PLP	3.1	-1	8.5	-1	1.1	0	0.370	1	2.856	0	7.708	-1	1927	52	0.9
5566.8	10000	38.7534	94.8368	-849	PLP	3.2	-1	8.2	-1	1.1	0	0.387	1	2.839	0	7.337	-1	1941	48	0.9
5566.9	10000	38.7539	94.8368	-850	PLP	3.2	-1	8.7	-1	1.2	0	0.364	1	2.723	0	7.490	-1	1968	40	0.9
5567.0	10000	38.7545	94.8368	-849	PLP	3.9	-1	8.7	-1	1.2	0	0.336	1	2.455	-1	7.306	-1	1969	52	0.9
5567.1	10000	38.7550	94.8368	-849	PKC	3.0	-1	8.9	-1	1.2	0	0.340	1	2.556	-1	7.509	-1	1975	34	0.9
5567.2	10000	38.7556	94.8368	-849	PKC	3.2	-1	8.7	-1	1.2	0	0.366	1	2.577	-1	7.038	-1	1971	31	0.9
5567.3	10000	38.7561	94.8368	-849	PKC	3.2	-1	9.2	0	1.2	0	0.349	1	2.669	-1	7.654	-1	1981	48	0.9
5567.4	10000	38.7567	94.8368	-848	PKC	3.3	-1	9.4	0	1.3	0	0.350	1	2.672	-1	7.462	-1	2010	43	0.8
5567.5	10000	38.7572	94.8368	-848	PKC	3.3	-1	9.9	0	1.3	0	0.333	1	2.612	-1	7.838	0	2032	45	0.8
5567.6	10000	38.7578	94.8368	-849	PKC	3.5	-1	10.0	0	1.3	0	0.347	1	2.659	-1	7.673	-1	2046	51	0.8
5567.7	10000	38.7583	94.8368	-849	PKC	3.8	-1	10.2	0	1.3	0	0.375	1	2.887	-1	7.704	0	2083	22	0.8
5567.8	10000	38.7589	94.8368	-849	PKC	3.7	-1	10.4	0	1.4	0	0.360	1	2.724	-1	7.566	-1	2104	42	0.8
5567.9	10000	38.7594	94.8368	-849	PKC	3.6	-1	10.7	0	1.4	1	0.335	1	2.533	-1	7.561	-1	2141	48	0.8
5568.0	10000	38.7600	94.8368	-848	PKC	3.6	-1	10.7	0	1.5	1	0.339	1	2.388	-1	7.041	-1	2185	70	0.8
5568.1	10000	38.7606	94.8368	-850	PKC	3.7	-1	10.6	0	1.5	1	0.352	1	2.440	-1	6.931	-1	2208	54	0.8
5568.2	10000	38.7611	94.8367	-852	PKC	4.0	-1	10.6	0	1.6	1	0.372	1	2.551	-1	6.850	-1	2248	48	0.8
5568.3	10000	38.7616	94.8367	-853	PKC	4.1	-1	10.6	0	1.5	1	0.388	1	2.713	-1	6.991	-1	2279	44	0.8
5568.4	10000	38.7622	94.8367	-856	PKC	4.0	-1	10.5	0	1.5	1	0.379	1	2.605	-1	6.874	-1	2295	42	0.8
5568.5	10000	38.7627	94.8367	-857	PKC	4.1	-1	10.5	0	1.5	1	0.393	1	2.665	-1	6.775	-1	2290	50	0.8
5568.6	10000	38.7633	94.8367	-858	PKC	4.2	-1	10.3	0	1.5	1	0.408	1	2.841	-1	6.961	-1	2283	46	0.8
5568.7	10000	38.7639	94.8367	-858	PKC	4.2	-1	10.0	0	1.4	1	0.413	1	3.058	-1	7.401	-1	2242	61	0.8
5568.8	10000	38.7644	94.8367	-859	PKC	4.4	-1	9.9	0	1.3	1	0.438	1	3.332	-1	7.607	-1	2184	44	0.8
5568.9	10000	38.7649	94.8367	-862	PKC	4.1	-1	9.9	0	1.3	1	0.414	1	3.202	-1	7.738	0	2127	48	0.8
5569.0	10000	38.7655	94.8367	-863	PLP	3.7	-1	9.9	0	1.2	1	0.371	1	2.956	-1	7.961	0	2063	46	0.8
5569.1	10000	38.7660	94.8367	-864	PLP	3.5	-1	9.7	0	1.1	1	0.365	1	2.981	-1	7.176	0	1991	37	0.8
5569.2	10000	38.7666	94.8367	-863	PLP	3.1	-1	9.9	0	1.1	1	0.312	1	2.863	-1	7.171	1	1951	52	0.8
5569.3	10000	38.7672	94.8367	-861	PLP	3.1	-1	9.9	0	1.1	1	0.310	1	2.855	-1	7.204	1	1913	57	0.8
5569.4	10000	38.7677	94.8367	-860	PLP	2.8	-1	9.7	0	1.1	1	0.290	1	2.552	-1	7.785	1	1882	53	0.8
5569.5	10000	38.7682	94.8367	-859	PLP	2.5	-1	9.7	0	1.1	1	0.252	1	2.190	-1	7.763	1	1889	51	0.8
5569.6	10000	38.7687	94.8367	-859	PLP	2.6	-1	9.7	0	1.1	1	0.276	1	2.240	-1	7.877	1	1900	48	0.8
5569.7	10000	38.7693	94.8367	-857	PLP	2.7	-1	9.4	0	1.1	1	0.257	1	2.161	-1	7.111	1	1916	40	0.8
5569.8	10000	38.7698	94.8367	-856	PLP	2.7	-1	9.4	0	1.2	1	0.312	1	2.399	-1	7.393	1	1945	52	0.8
5569.9	10000	38.7703	94.8367	-855	PLP	2.7	-1	9.3	0	1.2	1	0.316	1	2.589	-1	7.678	1	1976	34	0.8
5570.0	10000	38.7708	94.8366	-853	PLP	2.8	-1	9.2	0	1.2	1	0.314	1	2.729	-1	7.883	1	1994	31	0.8
5570.1	10000	38.7713	94.8366	-850	PLP	2.5	-1	9.1	0	1.2	1	0.302	1	2.734	-1	7.953	1	2024	48	0.8
5570.2	10000	38.7719	94.8366	-848	PLP	2.3	-1	9.0	0	1.2	1	0.321	1	2.876	-1	7.132	1	2057	38	0.8
5570.3	10000	38.7724	94.8366	-844	PLP	2.4	-1	8.9	0	1.2	1	0.326	1	2.982	-1	7.227	1	2072	41	0.8
5570.4	10000	38.7729	94.8366	-843	PLP	2.6	-1	8.8	0	1.2	1	0.334	1	3.085	-1	9.227	1	2099	42	0.8
5570.5	10000	38.7734	94.8366	-842	PLP	2.8	-1	8.8	0	1.2	1	0.334	1	3.085	-1	9.227	1	2124	45	0.8

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5570.6	10000	38.7740	94.8366	-838	PLP	3.9	1	12.2	2	1.3	1	0.319	0	3.054	0	9.583	1	2147	45	0.8
5570.7	10000	38.7745	94.8366	-835	PLP	3.5	1	11.8	2	1.3	1	0.296	-1	2.667	0	9.000	1	2170	41	0.8
5570.8	10000	38.7750	94.8366	-832	PLP	3.6	1	11.7	2	1.3	1	0.305	-1	2.690	0	8.809	0	2177	26	0.8
5570.9	10000	38.7755	94.8366	-829	PLP	3.7	1	11.1	1	1.3	1	0.334	0	2.799	0	8.373	0	2168	34	0.8
5571.0	10000	38.7760	94.8366	-826	PLP	3.5	1	10.9	1	1.3	1	0.320	0	2.661	0	8.308	0	2139	38	0.8
5571.1	10000	38.7766	94.8366	-824	PLP	3.3	0	10.6	1	1.3	1	0.313	0	2.611	0	8.355	0	2086	43	0.8
5571.2	10000	38.7771	94.8366	-822	PLP	3.4	0	10.5	1	1.3	1	0.323	0	2.587	0	8.002	0	2037	47	0.8
5571.3	10000	38.7776	94.8366	-820	PLP	3.0	0	10.0	0	1.3	1	0.304	-1	2.380	-1	7.818	-1	1978	52	0.8
5571.4	10000	38.7781	94.8365	-818	PLP	3.2	0	10.2	1	1.3	1	0.314	0	2.530	-1	8.070	0	1934	47	0.8
5571.5	10000	38.7786	94.8365	-816	PLP	3.2	0	10.0	1	1.2	0	0.314	0	2.567	0	8.165	0	1923	54	0.9
5571.6	10000	38.7792	94.8365	-814	PLP	3.1	0	10.1	0	1.2	0	0.305	-1	2.503	-1	8.206	0	1908	47	0.9
5571.7	10000	38.7797	94.8365	-814	PLP	3.1	0	10.1	1	1.2	1	0.312	0	2.523	-1	8.085	0	1920	47	0.9
5571.8	10000	38.7802	94.8365	-813	PLP	3.0	0	10.7	1	1.3	1	0.285	-1	2.434	-1	8.549	0	1959	36	0.9
5571.9	10000	38.7807	94.8365	-812	PLP	3.0	-1	10.2	1	1.3	1	0.292	-1	2.322	-1	7.937	0	1992	35	0.9
5572.0	10000	38.7813	94.8365	-812	PLP	3.2	0	10.2	1	1.3	1	0.315	0	2.472	-1	7.838	0	2015	40	0.9
5572.1	10000	38.7818	94.8365	-812	PLP	3.3	0	9.7	0	1.3	1	0.338	0	2.559	0	7.579	-1	2006	51	0.9
5572.2	10000	38.7823	94.8365	-811	PLP	3.2	0	9.8	0	1.3	1	0.330	0	2.542	0	7.698	-1	1976	47	0.9
5572.3	10000	38.7828	94.8365	-811	PLP	3.1	0	9.6	0	1.2	0	0.325	0	2.580	0	7.929	0	1930	52	0.9
5572.4	10000	38.7833	94.8365	-811	PLP	3.2	0	9.5	0	1.1	0	0.333	0	2.811	0	8.436	0	1890	52	0.9
5572.5	10000	38.7839	94.8365	-811	PLP	3.3	0	9.0	-1	1.1	0	0.369	1	3.105	0	8.414	0	1839	49	0.9
5572.6	10000	38.7844	94.8365	-812	PLP	3.3	0	9.3	0	1.0	-1	0.352	0	3.255	1	9.244	1	1795	44	0.9
5572.7	10000	38.7849	94.8365	-812	PLP	3.1	0	8.9	-1	1.0	-1	0.350	0	3.154	0	8.999	0	1774	43	0.9
5572.8	10000	38.7854	94.8365	-812	PLP	2.9	-1	8.8	-1	1.0	-1	0.330	0	2.854	0	8.649	0	1774	36	0.9
5572.9	10000	38.7859	94.8365	-813	PLP	2.9	-1	8.6	-1	1.0	-1	0.339	0	2.816	0	8.313	0	1784	56	0.9
5573.0	10000	38.7865	94.8365	-813	PLP	3.1	0	9.0	-1	1.0	-1	0.337	0	2.915	0	8.637	0	1817	45	0.9
5573.1	10000	38.7870	94.8365	-814	PLP	3.0	-1	9.1	0	1.1	0	0.325	0	2.715	0	8.363	0	1836	51	1.0
5573.2	10000	38.7875	94.8364	-814	PLP	2.7	-1	9.3	0	1.1	0	0.292	-1	2.371	-1	8.127	0	1867	55	1.0
5573.3	10000	38.7880	94.8364	-815	PLP	2.9	0	9.4	0	1.1	0	0.305	-1	2.526	-1	8.285	0	1889	38	1.0
5573.4	10000	38.7886	94.8364	-817	PLP	3.0	0	9.5	0	1.1	0	0.299	-1	2.602	-1	8.689	0	1898	44	1.0
5573.5	10000	38.7891	94.8364	-817	PLP	3.0	0	9.5	0	1.1	0	0.299	-1	2.728	-1	9.116	0	1895	45	1.0
5573.6	10000	38.7896	94.8364	-818	PLP	3.0	0	9.6	0	1.1	0	0.296	-1	2.746	-1	9.462	0	1878	39	1.0
5573.7	10000	38.7901	94.8364	-818	PLP	2.9	0	9.4	0	1.1	0	0.302	-1	2.648	-1	8.936	0	1858	50	1.0
5573.8	10000	38.7906	94.8364	-818	PLP	2.8	0	9.3	0	1.1	0	0.302	-1	2.648	-1	8.779	0	1843	54	1.0
5573.9	10000	38.7912	94.8364	-819	PLP	2.8	0	9.2	0	1.1	0	0.279	-1	2.771	-1	9.188	0	1804	41	1.0
5574.0	10000	38.7917	94.8364	-819	PLP	2.6	0	9.0	0	1.1	0	0.267	-1	2.595	-1	9.292	0	1778	44	1.0
5574.1	10000	38.7922	94.8364	-819	PLP	2.4	0	8.8	0	1.1	0	0.273	-1	2.368	-1	9.873	0	1738	44	1.0
5574.2	10000	38.7927	94.8364	-819	PLP	2.4	0	8.8	0	1.1	0	0.298	-1	2.457	-1	9.013	0	1708	38	1.0
5574.3	10000	38.7932	94.8364	-819	PLP	2.5	0	8.8	0	1.1	0	0.315	-1	2.585	-1	9.687	0	1690	43	1.0
5574.4	10000	38.7938	94.8364	-818	PLP	2.4	0	8.8	0	1.1	0	0.306	-1	2.675	-1	9.498	0	1671	34	1.0
5574.5	10000	38.7943	94.8364	-818	PLP	2.6	0	8.8	0	1.1	0	0.313	-1	2.546	-1	9.330	0	1664	43	1.0
5574.6	10000	38.7948	94.8364	-817	PLP	2.7	0	8.8	0	1.1	0	0.325	-1	2.576	-1	9.241	0	1674	48	1.0
5574.7	10000	38.7953	94.8363	-816	PLP	2.7	0	8.8	0	1.1	0	0.313	-1	2.614	-1	9.967	0	1683	52	1.0
5574.8	10000	38.7958	94.8363	-816	PLP	2.8	0	8.8	0	1.1	0	0.318	-1	2.601	-1	9.805	0	1711	46	1.0
5574.9	10000	38.7964	94.8363	-815	PLP	2.8	0	8.8	0	1.1	0	0.318	-1	2.568	-1	9.681	0	1733	59	1.0
5575.0	10000	38.7969	94.8363	-814	PLP	2.8	0	8.8	0	1.1	0	0.318	-1	2.436	-1	9.387	0	1760	5[illegible]	1.0
5575.1	10000	38.7974	94.8363	-813	PLP	2.8	0	8.8	0	1.1	0	0.318	-1	2.405	-1	9.586	0	1772	54	1.0
5575.2	10000	38.7979	94.8363	-812	PLP	2.8	0	8.8	0	1.1	0	0.318	-1	2.440	-1	9.338	0	1792	40	1.0
5575.3	10000	38.7984	94.8363	-811	PLP	2.8	0	8.8	0	1.1	0	0.318	-1	2.373	-1	9.919	0	1804	42	1.0
5575.4	10000	38.7990	94.8363	-809	PLP	2.8	0	8.8	0	1.1	0	0.318	-1	2.311	-1	9.778	0	1810	36	1.0
5575.5	10000	38.7995	94.8363	-807	PLP	2.8	0	8.8	0	1.1	0	0.318	-1	2.[illegible]	-1	9.997	0	1816	45	1.0
5575.6	10000	38.8000	94.8363	-806	PLP	2.8	0	8.8	0	1.1	0	0.318	-1	2.441	-1	9.538	0	1807	35	1.0
5575.7	10000	38.8005	94.8363	-804	PLP	2.9	0	8.8	0	1.1	0	0.329	-1	2.504	-1	9.917	0	1790	36	1.0

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5575.8	10000	38.8010	94.8363	-802	PLP	2.7	-1	8.3	-1	1.2	0	0.329	0	2.301	-1	6.986	-1	1780	33	1.1
5575.9	10000	38.8016	94.8363	-798	PLP	2.8	-1	8.6	-1	1.2	0	0.327	0	2.452	-1	7.498	-1	1776	37	1.1
5576.0	10000	38.8021	94.8363	-796	PLP	2.9	-1	8.8	-1	1.2	0	0.327	0	2.498	-1	7.630	-1	1794	55	1.1
5576.1	10000	38.8026	94.8363	-797	PLP	3.0	0	8.9	-1	1.2	0	0.336	0	2.567	0	7.631	-1	1803	38	1.1
5576.2	10000	38.8031	94.8363	-797	PLP	2.9	-1	8.9	-1	1.2	0	0.328	0	2.449	-1	7.460	-1	1806	41	1.1
5576.3	10000	38.8036	94.8363	-795	PLP	2.9	-1	9.5	0	1.2	0	0.308	-1	2.497	-1	8.108	0	1833	56	1.1
5576.4	10000	38.8042	94.8362	-793	PLP	3.0	0	9.6	0	1.2	0	0.310	0	2.530	-1	8.152	0	1869	42	1.1
5576.5	10000	38.8047	94.8362	-791	PLP	3.0	0	9.8	0	1.2	0	0.331	0	2.711	0	8.184	0	1911	43	1.1
5576.6	10000	38.8052	94.8362	-789	PLP	2.9	-1	9.6	0	1.2	0	0.297	-1	2.339	-1	7.882	0	1924	46	1.2
5576.7	10000	38.8057	94.8362	-788	PLP	3.1	0	9.5	0	1.1	0	0.323	0	2.677	0	8.296	0	1921	46	1.2
5576.8	10000	38.8063	94.8362	-786	PLP	3.1	0	9.5	0	1.1	0	0.328	0	2.832	0	8.629	0	1914	55	1.2
5576.9	10000	38.8068	94.8362	-785	PLP	3.0	0	9.9	0	1.1	0	0.303	-1	2.635	0	8.690	0	1918	45	1.2
5577.0	10000	38.8073	94.8362	-783	PLP	2.9	-1	9.7	0	1.2	0	0.296	-1	2.508	-1	8.474	0	1912	39	1.2
5577.1	10000	38.8078	94.8362	-782	PLP	2.7	-1	9.8	0	1.2	0	0.277	-1	2.302	-1	8.311	0	1897	44	1.2
5577.2	10000	38.8083	94.8362	-780	PLP	2.5	-2	9.9	0	1.2	0	0.251	-2	2.113	-1	8.408	0	1905	53	1.2
5577.3	10000	38.8089	94.8362	-778	PLP	2.7	-1	10.0	0	1.2	0	0.273	-1	2.326	-1	8.508	0	1910	41	1.2
5577.4	10000	38.8094	94.8362	-777	PLP	2.7	-1	10.2	1	1.2	0	0.264	-1	2.236	-1	8.460	0	1916	41	1.2
5577.5	10000	38.8099	94.8362	-776	PLP	2.6	-1	10.1	0	1.3	1	0.254	-1	1.997	-1	7.853	0	1953	48	1.2
5577.6	10000	38.8104	94.8362	-774	PLP	2.7	-1	10.0	0	1.3	1	0.267	-1	2.075	-1	7.761	-1	1973	41	1.2
5577.7	10000	38.8109	94.8362	-772	PLP	2.8	-1	9.8	0	1.3	1	0.287	-1	2.129	-1	7.407	-1	1992	49	1.2
5577.8	10000	38.8115	94.8362	-770	PLP	2.8	-1	9.7	0	1.3	1	0.285	-1	2.089	-1	7.321	-1	2003	41	1.2
5577.9	10000	38.8120	94.8362	-768	PLP	2.9	-1	9.1	-1	1.3	1	0.323	0	2.197	-1	6.810	-1	1995	47	1.2
5578.0	10000	38.8125	94.8362	-764	PD	3.1	0	9.1	0	1.3	1	0.345	0	2.367	-1	6.865	-1	1992	43	1.2
5578.1	10000	38.8130	94.8361	-763	PD	3.0	0	9.4	0	1.3	1	0.318	0	2.225	-1	6.995	-1	1994	42	1.2
5578.2	10000	38.8135	94.8361	-759	PD	2.9	-1	9.6	0	1.3	1	0.303	-1	2.237	-1	7.384	-1	1987	53	1.2
5578.3	10000	38.8141	94.8361	-756	PD	2.9	-1	9.8	0	1.3	1	0.293	-1	2.246	-1	7.659	-1	1992	42	1.2
5578.4	10000	38.8146	94.8361	-753	PD	2.8	-1	10.0	0	1.3	1	0.283	-1	2.181	-1	7.700	-1	1995	44	1.2
5578.5	10000	38.8151	94.8361	-750	PD	3.1	0	10.1	1	1.3	1	0.306	0	2.331	-1	7.610	-1	2010	45	1.2
5578.6	10000	38.8156	94.8361	-746	PD	3.1	0	10.5	1	1.3	1	0.292	-1	2.324	-1	7.964	-1	2020	43	1.2
5578.7	10000	38.8162	94.8361	-742	PD	3.1	0	10.8	0	1.4	1	0.255	-2	2.006	-1	7.881	-1	2046	39	1.2
5578.8	10000	38.8167	94.8361	-737	PD	3.0	0	10.2	0	1.4	1	0.290	-1	2.151	-1	7.407	-1	2066	46	1.2
5578.9	10000	38.8172	94.8361	-733	PD	3.1	0	10.5	1	1.4	1	0.314	-1	2.318	-1	7.383	-1	2067	45	1.2
5579.0	10000	38.8177	94.8361	-728	PD	3.1	0	10.3	1	1.4	1	0.295	-1	2.192	-1	7.424	-1	2064	43	1.2
5579.1	10000	38.8182	94.8361	-722	PD	3.1	0	10.4	1	1.4	1	0.304	-1	2.355	-1	7.734	-1	2067	44	1.2
5579.2	10000	38.8188	94.8361	-717	PD	3.1	0	10.4	1	1.4	1	0.302	-1	2.403	-1	7.960	-1	2056	31	1.2
5579.3	10000	38.8193	94.8361	-711	PD	3.1	0	10.4	1	1.3	1	0.305	-1	2.448	-1	8.015	-1	2048	41	1.2
5579.4	10000	38.8198	94.8361	-704	PD	3.1	0	10.3	1	1.3	1	0.296	-1	2.457	-1	8.316	-1	2028	47	1.2
5579.5	10000	38.8203	94.8361	-698	PD	3.0	0	10.2	1	1.3	1	0.262	-2	2.249	-1	8.590	0	2005	51	1.2
5579.6	10000	38.8208	94.8360	-692	PD	2.7	-1	10.2	1	1.3	1	0.237	-2	2.112	-1	8.895	0	1988	58	1.2
5579.7	10000	38.8214	94.8360	-685	PD	2.5	-2	10.1	1	1.3	1	0.247	-2	2.197	-1	8.879	0	1958	51	1.2
5579.8	10000	38.8219	94.8360	-678	PD	2.6	-1	10.0	1	1.3	1	0.244	-2	2.189	-1	8.957	0	1934	40	1.2
5579.9	10000	38.8224	94.8360	-672	PD	2.6	-1	10.0	1	1.3	1	0.240	-2	2.075	-1	8.665	0	1904	41	1.2
5580.0	10000	38.8229	94.8360	-665	PD	2.4	-2	9.9	1	1.3	1	0.242	-2	2.121	-1	8.686	0	1882	47	1.2
5580.1	10000	38.8235	94.8360	-659	PD	2.4	-2	9.9	1	1.3	1	0.253	-2	2.126	-1	8.369	0	1850	45	1.2
5580.2	10000	38.8240	94.8360	-653	PD	2.4	-2	9.8	1	1.3	1	0.256	-2	2.239	-1	8.292	0	1806	38	1.2
5580.3	10000	38.8245	94.8360	-648	PD	2.4	-2	9.8	1	1.3	1	0.276	-2	2.502	-1	8.111	0	1793	43	1.2
5580.4	10000	38.8250	94.8360	-643	PD	2.6	-1	9.8	1	1.3	1	0.315	-2	2.412	-1	7.944	-1	1777	32	1.2
5580.5	10000	38.8255	94.8360	-638	PD	2.6	-1	9.8	1	1.3	1	0.317	-2	2.696	-1	7.600	-1	1756	53	1.2
5580.6	10000	38.8261	94.8360	-634	PD	2.7	-1	9.8	1	1.3	1	0.355	-2	2.485	-1	7.605	-1	1766	42	1.2
5580.7	10000	38.8266	94.8360	-630	PD	2.7	-1	9.8	1	1.3	1	0.327	-2	2.562	-1	7.612	-1	1780	44	1.2
5580.8	10000	38.8271	94.8360	-627	PLP	2.8	-1	9.8	1	1.3	1	0.350	-2	2.616	-1	7.323	-1	1798	52	1.2
5580.9	10000	38.8276	94.8360	-624	PLP	3.1	0	9.8	1	1.2	1	0.369	-2	2.616	-1	7.086	-1	1864	46	1.2

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5581.0	10000	38.8281	94.8360	-621	PLP	3.1	0	8.7	-1	1.3	1	0.356	0	2.446	-1	6.861	-1	1907	40	1.2
5581.1	10000	38.8287	94.8360	-619	PLP	3.3	0	8.7	-1	1.3	1	0.376	1	2.506	-1	6.657	-1	1968	52	1.2
5581.2	10000	38.8292	94.8360	-618	PLP	3.4	0	9.5	0	1.3	1	0.353	1	2.517	-1	7.134	-1	2030	45	1.2
5581.3	10000	38.8297	94.8360	-616	PLP	3.2	0	9.8	0	1.4	1	0.325	1	2.295	-1	7.070	-1	2076	45	1.2
5581.4	10000	38.8302	94.8359	-615	PLP	3.2	0	10.0	0	1.5	2	0.323	0	2.220	-1	6.877	-1	2117	31	1.1
5581.5	10000	38.8307	94.8359	-615	PLP	3.4	0	10.3	1	1.5	2	0.333	0	2.354	-1	7.081	-1	2172	44	1.1
5581.6	10000	38.8313	94.8359	-614	PLP	3.4	0	10.3	1	1.4	1	0.329	0	2.411	-1	7.338	-1	2188	51	1.1
5581.7	10000	38.8318	94.8359	-614	PLP	3.4	0	10.0	0	1.4	1	0.344	0	2.518	-1	7.330	-1	2190	51	1.1
5581.8	10000	38.8323	94.8359	-615	PLP	3.5	1	10.5	1	1.4	1	0.332	0	2.537	0	7.639	-1	2183	46	1.1
5581.9	10000	38.8328	94.8359	-614	PLP	3.6	1	9.9	0	1.4	1	0.362	0	2.657	0	7.330	-1	2171	45	1.1
5582.0	10000	38.8333	94.8359	-614	PLP	3.5	1	9.8	0	1.4	1	0.358	0	2.536	0	7.093	-1	2157	30	1.1
5582.1	10000	38.8339	94.8359	-613	PLP	3.5	1	9.4	0	1.3	1	0.375	0	2.660	0	7.095	-1	2132	44	1.1
5582.2	10000	38.8344	94.8359	-613	PLP	3.3	1	9.7	0	1.3	1	0.335	0	2.452	-1	7.316	-1	2085	38	1.1
5582.3	10000	38.8349	94.8359	-612	PLP	3.2	0	9.7	0	1.4	1	0.333	0	2.382	-1	7.154	-1	2042	49	1.1
5582.4	10000	38.8354	94.8359	-611	PLP	3.1	0	9.5	0	1.3	1	0.328	0	2.359	-1	7.190	-1	1997	45	1.1
5582.5	10000	38.8360	94.8359	-611	PLP	2.8	-1	9.0	-1	1.3	1	0.308	-1	2.125	-1	6.907	-1	1946	36	1.1
5582.6	10000	38.8365	94.8359	-614	PLP	2.7	-1	8.6	-1	1.2	1	0.311	0	2.156	-1	6.934	-1	1893	55	1.1
5582.7	10000	38.8370	94.8359	-615	PLP	2.9	-1	8.8	-1	1.1	0	0.332	0	2.555	0	7.697	-1	1850	47	1.1
5582.8	10000	38.8375	94.8359	-615	PLP	3.0	0	8.7	-1	1.0	-1	0.346	0	2.855	0	8.253	0	1804	39	1.1
5582.9	10000	38.8380	94.8358	-615	PLP	3.1	0	7.9	-2	1.0	-1	0.387	0	3.046	0	7.861	0	1768	58	1.1
5583.0	10000	38.8386	94.8358	-616	PLP	3.3	0	7.6	-2	1.0	-1	0.434	1	3.440	1	7.934	0	1737	50	1.1
5583.1	10000	38.8391	94.8358	-619	PLP	3.4	0	7.6	-2	1.0	-1	0.453	1	3.567	1	7.884	0	1719	42	1.1
5583.2	10000	38.8396	94.8358	-621	PLP	3.6	1	7.6	-2	0.9	-1	0.473	1	3.931	2	8.304	0	1708	34	1.1
5583.3	10000	38.8401	94.8358	-620	PLP	3.6	1	7.5	-2	0.9	-1	0.484	2	3.982	2	8.232	0	1692	49	1.1
5583.4	10000	38.8406	94.8358	-620	PLP	3.4	0	7.2	-3	0.9	-1	0.474	1	3.697	2	7.807	-1	1670	31	1.1
5583.5	10000	38.8412	94.8358	-621	PLP	3.3	0	6.8	-3	0.9	-1	0.478	1	3.466	1	7.253	-1	1635	44	1.1
5583.6	10000	38.8417	94.8358	-621	PD	3.0	0	6.5	-3	0.9	-1	0.468	1	3.410	1	7.280	-1	1605	43	1.2
5583.7	10000	38.8422	94.8358	-623	PD	2.8	-1	6.3	-3	0.9	-1	0.442	1	3.192	1	7.228	-1	1579	40	1.2
5583.8	10000	38.8427	94.8358	-625	PD	2.5	-1	6.0	-3	0.8	-2	0.427	0	3.045	0	7.133	-1	1566	49	1.2
5583.9	10000	38.8432	94.8358	-625	PD	2.5	-1	5.7	-3	0.8	-1	0.435	0	2.971	0	6.828	-1	1557	52	1.2
5584.0	10000	38.8438	94.8358	-625	PD	2.4	-1	6.1	-3	0.9	-1	0.407	0	2.821	0	6.929	-1	1565	48	1.1
5584.1	10000	38.8443	94.8358	-626	PD	2.5	-1	6.4	-3	0.9	-1	0.415	0	2.891	0	6.972	-1	1584	56	1.2
5584.2	10000	38.8448	94.8358	-627	PD	2.7	-1	6.6	-3	0.9	-1	0.409	0	3.034	0	7.427	-1	1630	44	1.2
5584.3	10000	38.8453	94.8358	-628	PD	2.9	-1	6.7	-3	0.9	-1	0.406	0	3.084	0	7.603	-1	1679	36	1.2
5584.4	10000	38.8459	94.8358	-630	PD	3.0	-1	7.0	-3	0.9	-1	0.379	0	3.052	0	7.528	-1	1737	29	1.1
5584.5	10000	38.8464	94.8358	-631	PD	3.1	-1	7.1	-3	0.9	-1	0.317	-1	3.532	-1	7.991	-1	1767	36	1.1
5584.6	10000	38.8469	94.8357	-632	PD	3.2	-1	7.3	-3	0.9	-1	0.286	-1	3.309	-1	8.066	-1	1780	58	1.1
5584.7	10000	38.8474	94.8357	-633	PLP	3.2	-1	7.4	-3	0.9	-1	0.288	-1	3.380	-1	8.267	-1	1798	59	1.1
5584.8	10000	38.8479	94.8357	-632	PLP	3.2	-1	7.4	-3	0.9	-1	0.278	-1	3.303	-1	8.279	-1	1820	47	1.1
5584.9	10000	38.8485	94.8357	-632	PLP	3.2	-1	7.4	-3	0.9	-1	0.272	-1	3.167	-1	7.974	-1	1836	41	1.1
5585.0	10000	38.8490	94.8357	-633	PLP	3.2	-1	7.4	-3	0.9	-1	0.262	-1	3.083	-1	7.950	-1	1852	46	1.1
5585.1	10000	38.8495	94.8357	-635	PLP	3.2	-1	7.4	-3	0.9	-1	0.294	-1	3.346	-1	7.989	-1	1853	53	1.1
5585.2	10000	38.8500	94.8357	-636	PLP	3.2	-1	7.4	-3	0.9	-1	0.352	-1	3.598	-1	7.373	-1	1881	55	1.1
5585.3	10000	38.8505	94.8357	-636	PLP	3.2	-1	7.4	-3	0.9	-1	0.363	-1	3.661	-1	7.322	-1	1916	45	1.1
5585.4	10000	38.8511	94.8357	-636	PD	3.2	-1	7.4	-3	0.9	-1	0.369	-1	3.672	-1	7.236	-1	1947	38	1.1
5585.5	10000	38.8516	94.8357	-637	PD	3.2	-1	7.4	-3	0.9	-1	0.370	-1	3.849	-1	7.690	-1	1973	47	1.1
5585.6	10000	38.8521	94.8357	-638	PD	3.2	-1	7.4	-3	0.9	-1	0.367	-1	3.719	-1	7.412	-1	1998	49	1.1
5585.7	10000	38.8526	94.8357	-639	PD	3.2	-1	7.4	-3	0.9	-1	0.379	-1	3.682	-1	7.074	-1	2014	36	1.1
5585.8	10000	38.8531	94.8357	-640	PD	3.2	-1	7.4	-3	0.9	-1	0.332	-1	3.331	-1	7.017	-1	2050	49	1.1
5585.9	10000	38.8537	94.8357	-640	PD	3.2	-1	7.4	-3	0.9	-1	0.337	-1	3.393	-1	7.105	-1	2062	50	1.1
5586.0	10000	38.8542	94.8357	-640	PD	3.2	-1	7.4	-3	0.9	-1	0.321	-1	3.256	-1	7.032	-1	2083	46	1.1
5586.1	10000	38.8547	94.8356	-640	PD	2.7	-1	7.4	-3	0.9	-1	0.285	-1	2.044	-2	7.177	-1	2078	47	1.1

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5586.2	10000	38.8552	94.8356	-638	PD	2.5	-1	9.6	0	1.4	2	0.260	-1	1.768	-2	6.799	-2	2065	43	1.1
5586.3	10000	38.8558	94.8356	-636	PD	2.6	-1	9.5	0	1.3	1	0.271	-1	1.936	-2	7.137	-1	2035	48	1.1
5586.4	10000	38.8563	94.8356	-634	PD	2.8	-1	9.3	0	1.3	1	0.299	-1	2.140	-1	7.153	-1	2009	57	1.1
5586.5	10000	38.8568	94.8356	-637	PD	2.9	-1	9.1	0	1.3	1	0.314	0	2.263	-1	7.202	-1	1969	47	1.1
5586.6	10000	38.8573	94.8356	-645	PD	2.7	-1	9.1	0	1.2	1	0.300	-1	2.295	-1	7.662	-1	1927	39	1.1
5586.7	10000	38.8578	94.8356	-656	PD	2.8	-1	9.0	-1	1.2	0	0.310	0	2.363	-1	7.627	-1	1888	58	1.1
5586.8	10000	38.8584	94.8356	-662	PLP	2.9	-1	8.5	-1	1.2	0	0.345	0	2.490	-1	7.212	-1	1865	69	1.1
5586.9	10000	38.8589	94.8356	-659	PLP	3.5	1	8.2	-1	1.1	0	0.430	2	3.233	1	7.524	-1	1833	56	1.1
5587.0	10000	38.8594	94.8356	-647	PLP	3.6	1	8.1	-1	1.1	0	0.442	2	3.277	1	7.408	-1	1809	46	1.1
5587.1	10000	38.8599	94.8356	-627	PLP	3.3	0	8.1	-1	1.1	0	0.404	1	2.992	0	7.397	-1	1779	48	1.1
5587.2	10000	38.8605	94.8356	-613	PLP	3.2	0	8.2	-1	1.1	0	0.398	1	2.854	0	7.170	-1	1749	41	1.1
5587.3	10000	38.8610	94.8356	-624	PLP	3.1	0	7.6	-2	1.1	0	0.416	1	2.778	0	6.677	-1	1739	45	1.1
5587.4	10000	38.8616	94.8356	-654	PLP	3.4	0	7.4	-2	1.1	0	0.464	2	3.179	1	6.853	-1	1713	29	1.1
5587.5	10000	38.8621	94.8356	-666	PLP	3.4	0	7.1	-2	1.1	-1	0.481	3	3.249	1	6.741	-1	1694	43	1.1
5587.6	10000	38.8627	94.8356	-661	PLP	3.1	0	6.9	-3	1.1	0	0.454	2	2.868	0	6.321	-2	1681	46	1.1
5587.7	10000	38.8632	94.8356	-653	PLP	3.0	-1	6.8	-3	1.1	0	0.436	2	2.679	0	6.149	-2	1696	58	1.1
5587.8	10000	38.8638	94.8356	-646	PLP	3.2	0	7.3	-2	1.1	0	0.441	2	2.884	0	6.542	-1	1735	55	1.1
5587.9	10000	38.8643	94.8356	-656	PLP	3.2	0	7.0	-3	1.1	0	0.450	2	2.943	0	6.545	-1	1736	52	1.1
5588.0	10000	38.8649	94.8356	-675	PD	3.1	0	7.4	-2	1.1	0	0.422	2	2.893	0	6.849	-1	1749	56	1.1
5588.1	10000	38.8654	94.8355	-679	PD	3.0	0	7.5	-2	1.1	0	0.394	1	2.684	0	6.817	-1	1763	42	1.1
5588.2	10000	38.8659	94.8355	-672	PD	3.2	0	7.9	-1	1.1	0	0.403	1	2.811	0	6.985	-1	1787	54	1.1
5588.3	10000	38.8665	94.8355	-666	PD	3.1	0	7.8	-2	1.1	0	0.404	1	2.805	0	6.951	-1	1813	49	1.1
5588.4	10000	38.8671	94.8355	-673	PD	3.3	0	7.9	-1	1.0	0	0.422	2	3.243	0	7.688	-1	1808	51	1.1
5588.5	10000	38.8676	94.8355	-681	PD	3.0	0	8.0	-1	1.0	0	0.380	1	2.964	0	7.803	-1	1798	46	1.1
5588.6	10000	38.8681	94.8355	-684	PD	3.1	0	8.6	-1	1.1	0	0.361	1	2.957	0	8.194	-1	1808	42	1.1
5588.7	10000	38.8687	94.8355	-685	PD	3.1	0	8.4	-1	1.1	0	0.366	1	2.901	0	7.929	-1	1782	39	1.1
5588.8	10000	38.8692	94.8355	-684	PD	3.0	0	8.2	-1	1.1	0	0.366	1	2.853	0	7.794	-1	1764	51	1.1
5588.9	10000	38.8698	94.8355	-684	PD	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1729	47	1.1
5589.0	10000	38.8703	94.8355	-685	PD	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1686	50	1.1
5589.1	10000	38.8709	94.8355	-687	PD	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1662	43	1.1
5589.2	10000	38.8714	94.8355	-689	PLP	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1629	58	1.1
5589.3	10000	38.8720	94.8355	-690	PLP	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1598	45	1.1
5589.4	10000	38.8725	94.8355	-692	PLP	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1587	40	1.1
5589.5	10000	38.8731	94.8355	-694	PLP	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1565	51	1.1
5589.6	10000	38.8736	94.8355	-695	PLP	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1554	48	1.1
5589.7	10000	38.8742	94.8355	-694	PLP	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1537	37	1.1
5589.8	10000	38.8747	94.8355	-694	PLP	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1515	51	1.1
5589.9	10000	38.8753	94.8355	-693	PLP	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1500	41	1.1
5590.0	10000	38.8758	94.8355	-695	PLP	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1516	49	1.1
5590.1	10000	38.8764	94.8354	-700	PLP	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1518	56	1.1
5590.2	10000	38.8769	94.8354	-705	CULTRL	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1541	37	1.1
5590.3	10000	38.8774	94.8354	-707	CULTRL	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1551	45	1.1
5590.4	10000	38.8780	94.8354	-708	CULTRL	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1560	55	1.1
5590.5	10000	38.8785	94.8354	-707	CULTRL	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1574	56	1.1
5590.6	10000	38.8791	94.8354	-706	CULTRL	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1576	45	1.1
5590.7	10000	38.8796	94.8354	-705	CULTRL	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1553	47	1.1
5590.8	10000	38.8802	94.8354	-705	CULTRL	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1528	36	1.1
5590.9	10000	38.8807	94.8354	-706	CULTRL	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1488	55	1.1
5591.0	10000	38.8813	94.8354	-706	CULTRL	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1470	46	1.1
5591.1	10000	38.8818	94.8354	-707	CULTRL	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1482	42	1.1
5591.2	10000	38.8824	94.8354	-712	CULTRL	2.9	-1	8.0	-1	1.1	0	0.361	1	2.853	0	7.794	-1	1473	49	1.1
5591.3	10000	38.8829	94.8354	-719	CULTRL	3.0	0	8.0	-1	1.1	0	0.375	1	2.853	0	7.794	-1	1476	41	1.1

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5591.4	10000	38.8835	94.8354	-722	CULTRL	3.2	999	6.0	999	0.9	999	0.531	999	3.401	999	6.406	999	1496	44	0.9
5591.5	10000	38.8840	94.8354	-723	CULTRL	3.0	999	6.5	999	1.0	999	0.458	999	3.083	999	6.737	999	1530	58	0.9
5591.6	10000	38.8846	94.8354	-723	CULTRL	3.0	999	6.5	999	1.0	999	0.466	999	2.998	999	6.436	999	1570	45	0.9
5591.7	10000	38.8851	94.8354	-723	CULTRL	3.0	999	6.9	999	1.0	999	0.433	999	2.933	999	6.773	999	1598	55	0.9
5591.8	10000	38.8857	94.8354	-723	CULTRL	2.8	999	6.6	999	1.0	999	0.423	999	2.718	999	6.428	999	1601	48	0.9
5591.9	10000	38.8862	94.8354	-722	CULTRL	2.8	999	6.8	999	1.1	999	0.410	999	2.534	999	6.177	999	1640	46	0.9
5592.0	10000	38.8868	94.8354	-724	CULTRL	2.8	999	7.3	999	1.1	999	0.383	999	2.535	999	6.618	999	1670	43	0.9
5592.1	10000	38.8873	94.8354	-725	CULTRL	2.7	999	7.6	999	1.1	999	0.351	999	2.341	999	6.677	999	1703	38	0.9
5592.2	10000	38.8879	94.8354	-725	CULTRL	2.9	999	7.5	999	1.1	999	0.387	999	2.522	999	6.514	999	1723	56	0.9
5592.3	10000	38.8884	94.8354	-726	CULTRL	2.8	999	8.1	999	1.2	999	0.348	999	2.427	999	6.973	999	1747	43	0.9
5592.4	10000	38.8890	94.8354	-726	CULTRL	2.8	999	7.9	999	1.2	999	0.353	999	2.396	999	6.787	999	1760	59	0.9
5592.5	10000	38.8895	94.8353	-726	CULTRL	2.8	999	8.1	999	1.2	999	0.344	999	2.345	999	6.813	999	1774	47	0.9
5592.6	10000	38.8901	94.8353	-727	CULTRL	2.9	999	8.2	999	1.2	999	0.349	999	2.472	999	7.084	999	1765	51	0.9
5592.7	10000	38.8906	94.8353	-727	CULTRL	2.9	999	7.9	999	1.2	999	0.360	999	2.468	999	6.850	999	1775	48	0.9
5592.8	10000	38.8912	94.8353	-728	CULTRL	2.8	999	7.8	999	1.2	999	0.355	999	2.392	999	6.729	999	1767	54	0.8
5592.9	10000	38.8917	94.8353	-728	CULTRL	2.7	999	8.0	999	1.1	999	0.342	999	2.413	999	7.054	999	1776	41	0.8
5593.0	10000	38.8922	94.8353	-725	CULTRL	2.8	999	7.7	999	1.2	999	0.363	999	2.432	999	6.701	999	1792	48	0.8
5593.1	10000	38.8928	94.8353	-724	PKC	3.1	0	8.2	-1	1.2	0	0.374	0	2.620	-1	7.005	-1	1819	43	0.8
5593.2	10000	38.8933	94.8353	-728	PKC	3.1	0	8.5	-1	1.2	0	0.363	0	2.590	-1	7.126	-1	1842	48	0.8
5593.3	10000	38.8939	94.8353	-730	PKC	2.9	-1	8.7	-1	1.2	0	0.335	0	2.393	-1	7.150	-1	1880	57	0.8
5593.4	10000	38.8944	94.8353	-729	PKC	3.1	0	9.1	0	1.2	1	0.343	0	2.537	-1	7.401	-1	1894	38	0.8
5593.5	10000	38.8950	94.8353	-728	PKC	3.1	0	9.5	0	1.2	1	0.329	0	2.554	-1	7.755	0	1916	47	0.8
5593.6	10000	38.8955	94.8353	-728	PKC	3.0	-1	9.3	0	1.2	1	0.320	-1	2.432	-1	7.609	-1	1925	45	0.8
5593.7	10000	38.8961	94.8353	-727	PKC	3.2	0	9.9	0	1.2	1	0.321	0	2.607	-1	8.132	0	1932	46	0.8
5593.8	10000	38.8966	94.8353	-726	PKC	2.9	-1	9.6	0	1.2	1	0.301	-1	2.349	-1	7.802	0	1929	36	0.8
5593.9	10000	38.8972	94.8353	-725	PKC	2.8	-1	9.6	0	1.3	1	0.291	-1	2.208	-1	7.586	-1	1934	43	0.8
5594.0	10000	38.8977	94.8353	-725	PKC	2.9	-1	9.7	0	1.2	1	0.298	-1	2.329	-1	7.825	0	1926	56	0.8
5594.1	10000	38.8983	94.8353	-726	PKC	2.7	-1	9.9	0	1.2	1	0.276	-1	2.245	-1	8.123	0	1915	39	0.8
5594.2	10000	38.8988	94.8353	-727	PKC	2.9	-1	9.6	0	1.2	1	0.299	-1	2.464	-1	8.251	0	1901	42	0.8
5594.3	10000	38.8994	94.8353	-728	PKC	2.9	-1	9.5	0	1.2	1	0.316	-1	2.570	-1	8.144	0	1886	47	0.8
5594.4	10000	38.8999	94.8353	-729	PKC	2.9	-1	9.9	0	1.2	1	0.320	-1	2.503	-1	7.823	0	1858	41	0.8
5594.5	10000	38.9005	94.8353	-730	PLP	2.9	-1	9.9	0	1.2	1	0.362	-1	2.014	-1	8.330	0	1827	47	0.8
5594.6	10000	38.9010	94.8353	-731	PLP	2.9	-1	9.9	0	1.2	1	0.401	-1	2.596	-1	8.962	0	1781	45	0.8
5594.7	10000	38.9016	94.8353	-733	PLP	2.9	-1	9.9	0	1.2	1	0.425	-1	2.804	-1	8.942	0	1728	54	0.8
5594.8	10000	38.9021	94.8353	-733	PLP	2.9	-1	9.9	0	1.2	1	0.465	-1	2.739	-1	8.049	0	1683	44	0.8
5594.9	10000	38.9026	94.8352	-735	PLP	2.9	-1	9.9	0	1.2	1	0.498	-1	2.737	-1	7.507	-1	1635	43	0.7
5595.0	10000	38.9032	94.8352	-736	PLP	2.9	-1	9.9	0	1.2	1	0.475	-1	2.629	-1	7.642	-1	1616	47	0.7
5595.1	10000	38.9038	94.8352	-737	PLP	2.9	-1	9.9	0	1.2	1	0.502	-1	2.902	-1	7.769	-1	1612	41	0.7
5595.2	10000	38.9043	94.8352	-739	PLP	2.9	-1	9.9	0	1.2	1	0.438	-1	2.219	-1	7.356	-1	1623	39	0.7
5595.3	10000	38.9048	94.8352	-740	PLP	2.9	-1	9.9	0	1.2	1	0.391	-1	2.931	-1	7.493	-1	1664	47	0.7
5595.4	10000	38.9054	94.8352	-741	PLP	2.9	-1	9.9	0	1.2	1	0.348	-1	2.570	-1	7.379	-1	1713	44	0.7
5595.5	10000	38.9059	94.8352	-741	PLP	2.9	-1	9.9	0	1.2	1	0.352	-1	2.620	-1	7.437	-1	1769	50	0.7
5595.6	10000	38.9065	94.8352	-742	PLP	2.9	-1	9.9	0	1.2	1	0.305	-1	2.315	-1	7.648	-1	1825	49	0.7
5595.7	10000	38.9070	94.8352	-743	PLP	2.9	-1	9.9	0	1.2	1	0.304	-1	2.335	-1	7.040	-1	1849	44	0.7
5595.8	10000	38.9076	94.8352	-744	PLP	2.9	-1	9.9	0	1.2	1	0.325	-1	2.491	-1	7.188	-1	1868	42	0.7
5595.9	10000	38.9081	94.8352	-745	PLP	2.9	-1	9.9	0	1.2	1	0.323	-1	2.737	-1	7.419	-1	1904	59	0.7
5596.0	10000	38.9087	94.8352	-746	PLP	2.9	-1	9.9	0	1.2	1	0.325	-1	2.765	-1	7.125	-1	1908	41	0.7
5596.1	10000	38.9092	94.8352	-746	PLP	2.9	-1	9.9	0	1.2	1	0.323	-1	2.794	-1	7.912	-1	1904	51	0.7
5596.2	10000	38.9098	94.8352	-746	PLP	2.9	-1	9.9	0	1.2	1	0.325	-1	2.795	-1	7.919	-1	1892	52	0.7
5596.3	10000	38.9103	94.8352	-746	PLP	2.9	-1	9.9	0	1.2	1	0.326	-1	2.878	-1	7.876	-1	1889	48	0.7
5596.4	10000	38.9109	94.8352	-746	PLP	2.9	-1	9.9	0	1.2	1	0.337	-1	2.889	-1	7.692	-1	1904	42	0.7
5596.5	10000	38.9114	94.8352	-748	PLP	2.9	-1	9.9	0	1.2	1	0.337	-1	2.467	-1	7.321	-1	1919	42	0.7

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5596.6	10000	38.9120	94.8352	-749	PLP	3.2	0	8.8	-1	1.3	1	0.366	1	2.566	0	7.007	-1	1920	46	0.7
5596.7	10000	38.9125	94.8352	-750	PLP	3.5	1	9.0	-1	1.3	1	0.385	1	2.715	0	7.057	-1	1941	36	0.7
5596.8	10000	38.9131	94.8352	-750	PLP	3.4	0	9.0	-1	1.2	0	0.376	1	2.756	0	7.337	-1	1961	42	0.7
5596.9	10000	38.9136	94.8352	-751	PLP	3.6	1	9.1	-1	1.3	1	0.391	1	2.771	0	7.080	-1	1994	55	0.7
5597.0	10000	38.9142	94.8351	-750	PLP	3.6	1	9.2	0	1.3	1	0.390	1	2.762	0	7.083	-1	2006	40	0.7
5597.1	10000	38.9147	94.8351	-750	PLP	3.6	1	9.4	0	1.3	1	0.388	1	2.738	0	7.060	-1	2028	50	0.7
5597.2	10000	38.9153	94.8351	-752	PLP	4.0	2	9.8	0	1.3	1	0.406	1	2.996	0	7.374	-1	2042	39	0.7
5597.3	10000	38.9158	94.8351	-754	PLP	3.9	1	10.0	0	1.3	1	0.390	1	2.946	0	7.552	-1	2042	42	0.7
5597.4	10000	38.9164	94.8351	-755	PLP	3.7	1	9.9	0	1.3	1	0.369	1	2.706	0	7.324	-1	2030	51	0.7
5597.5	10000	38.9169	94.8351	-755	PLP	4.0	2	9.8	0	1.4	1	0.403	1	2.832	0	7.030	-1	2031	69	0.7
5597.6	10000	38.9174	94.8351	-755	PLP	3.7	1	10.5	1	1.4	1	0.356	0	2.687	0	7.555	-1	2025	44	0.7
5597.7	10000	38.9180	94.8351	-755	PLP	3.6	1	10.9	1	1.3	1	0.326	0	2.659	0	8.154	0	2025	54	0.7
5597.8	10000	38.9185	94.8351	-755	PLP	3.5	1	10.6	1	1.4	1	0.331	0	2.599	0	7.848	0	2027	50	0.7
5597.9	10000	38.9191	94.8351	-755	PLP	3.2	0	10.2	1	1.3	1	0.311	0	2.377	-1	7.635	-1	2008	55	0.7
5598.0	10000	38.9196	94.8351	-755	PLP	3.0	0	10.2	1	1.3	1	0.296	-1	2.239	-1	7.575	-1	2004	51	0.7
5598.1	10000	38.9202	94.8351	-755	PLP	3.0	0	10.1	1	1.3	1	0.298	-1	2.258	-1	7.583	-1	2014	53	0.7
5598.2	10000	38.9207	94.8351	-756	PLP	2.9	-1	10.3	1	1.3	1	0.286	-1	2.207	-1	7.719	-1	2008	50	0.7
5598.3	10000	38.9213	94.8351	-757	PLP	2.9	-1	10.0	0	1.4	1	0.291	-1	2.117	-1	7.265	-1	2006	49	0.7
5598.4	10000	38.9218	94.8351	-759	PLP	3.2	0	9.9	0	1.4	2	0.325	0	2.244	-1	6.908	-1	1998	54	0.7
5598.5	10000	38.9224	94.8351	-760	PLP	3.2	0	9.7	0	1.4	1	0.330	0	2.333	-1	7.058	-1	1966	43	0.7
5598.6	10000	38.9229	94.8351	-761	PLP	3.3	0	9.5	0	1.4	1	0.349	0	2.408	-1	6.907	-1	1952	49	0.7
5598.7	10000	38.9235	94.8351	-762	PLP	3.2	0	9.4	0	1.4	1	0.341	0	2.356	-1	6.917	-1	1920	42	0.7
5598.8	10000	38.9240	94.8351	-763	PLP	3.2	0	9.5	0	1.3	1	0.337	0	2.434	-1	7.224	-1	1887	39	0.7
5598.9	10000	38.9246	94.8351	-765	PLP	3.0	0	9.4	0	1.3	1	0.324	0	2.351	-1	7.267	-1	1875	43	0.7
5599.0	10000	38.9251	94.8351	-766	PLP	3.3	1	9.4	0	1.2	0	0.347	0	2.707	0	7.803	-1	1857	52	0.7
5599.1	10000	38.9257	94.8351	-767	PLP	3.1	1	9.4	0	1.2	0	0.332	0	2.570	0	7.745	-1	1861	39	0.7
5599.2	10000	38.9262	94.8351	-767	PLP	3.0	1	9.4	0	1.2	0	0.334	0	2.449	-1	7.338	-1	1884	46	0.7
5599.3	10000	38.9268	94.8350	-768	PLP	3.1	1	9.4	0	1.2	0	0.314	0	2.352	-1	7.500	-1	1894	45	0.7
5599.4	10000	38.9273	94.8350	-770	PLP	3.2	1	9.4	0	1.3	1	0.330	0	2.427	-1	7.358	-1	1916	60	0.7
5599.5	10000	38.9279	94.8350	-771	PLP	3.2	1	9.4	0	1.3	1	0.339	0	2.487	-1	7.342	-1	1920	42	0.7
5599.6	10000	38.9284	94.8350	-771	PLP	3.1	1	9.4	0	1.3	1	0.337	0	2.407	-1	7.133	-1	1912	54	0.7
5599.7	10000	38.9290	94.8350	-772	PLP	3.1	1	9.4	0	1.3	1	0.352	0	2.436	-1	6.912	-1	1905	47	0.7
5599.8	10000	38.9295	94.8350	-772	PLP	3.1	1	9.4	0	1.3	1	0.371	0	2.420	-1	6.532	-1	1881	32	0.7
5599.9	10000	38.9300	94.8350	-771	PLP	3.1	1	9.4	0	1.3	1	0.371	0	2.445	-1	6.583	-1	1860	57	0.7
5600.0	10000	38.9306	94.8350	-774	PLP	3.1	1	9.4	0	1.3	1	0.397	0	2.615	-1	6.585	-1	1862	43	0.7
5600.1	10000	38.9312	94.8350	-777	PLP	3.1	1	9.4	0	1.3	1	0.400	0	2.565	-2	6.406	-2	1865	58	0.7
5600.2	10000	38.9317	94.8350	-778	PLP	3.1	1	9.4	0	1.3	1	0.383	0	2.418	-2	6.320	-2	1873	48	0.7
5600.3	10000	38.9322	94.8350	-778	PLP	3.1	1	9.4	0	1.3	1	0.377	0	2.365	-2	6.280	-2	1889	41	0.7
5600.4	10000	38.9328	94.8350	-777	PKC	3.1	1	9.4	0	1.3	1	0.355	0	2.195	-2	6.182	-2	1913	52	0.7
5600.5	10000	38.9333	94.8350	-778	PKC	3.1	1	9.4	0	1.3	1	0.349	0	2.226	-2	6.383	-2	1933	43	0.7
5600.6	10000	38.9339	94.8350	-778	PKC	3.1	1	9.4	0	1.3	1	0.333	0	2.217	-1	6.663	-1	1939	46	0.7
5600.7	10000	38.9344	94.8350	-778	PKC	3.1	1	9.4	0	1.3	1	0.309	0	2.044	-1	6.624	-1	1945	51	0.7
5600.8	10000	38.9350	94.8350	-778	PKC	3.1	1	9.4	0	1.3	1	0.292	0	2.008	-1	6.875	-1	1959	39	0.7
5600.9	10000	38.9355	94.8350	-778	PKC	3.1	1	9.4	0	1.3	1	0.285	0	1.886	-1	6.615	-1	1987	46	0.7
5601.0	10000	38.9361	94.8350	-779	PKC	3.1	1	9.4	0	1.3	1	0.296	0	1.968	-1	6.655	-1	1995	52	0.7
5601.1	10000	38.9366	94.8350	-778	PKC	3.1	1	9.4	0	1.3	1	0.293	0	1.965	-1	6.694	-1	1986	54	0.7
5601.2	10000	38.9372	94.8350	-777	PKC	3.1	1	9.4	0	1.3	1	0.306	0	2.072	-1	6.759	-1	1991	53	0.7
5601.3	10000	38.9377	94.8350	-776	PKC	3.1	1	9.4	0	1.3	1	0.322	0	2.200	-1	6.827	-1	2008	56	0.7
5601.4	10000	38.9383	94.8349	-774	PKC	3.1	1	9.4	0	1.3	1	0.335	0	2.236	-1	6.681	-1	2009	48	0.7
5601.5	10000	38.9388	94.8349	-772	PKC	3.1	1	9.4	0	1.3	1	0.337	0	2.387	-2	6.420	-1	2005	45	0.7
5601.6	10000	38.9394	94.8349	-771	PKC	3.1	1	9.4	0	1.3	1	0.372	0	2.733	-1	6.790	-1	2003	38	0.7
5601.7	10000	38.9399	94.8349	-771	PKC	3.1	1	9.4	0	1.3	1	0.403	0	2.849	-1	6.847	-1	2011	32	0.7

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5601.8	10000	38.9405	94.8349	-770	PKC	3.7	1	9.5	0	1.4	1	0.393	0	2.724	0	6.935	-1	2025	48	0.7
5601.9	10000	38.9410	94.8349	-768	PKC	3.7	1	9.9	0	1.4	2	0.373	0	2.644	0	7.087	-1	2053	53	0.7
5602.0	10000	38.9416	94.8349	-767	PKC	3.6	1	9.9	0	1.4	2	0.362	0	2.528	-1	6.978	-1	2066	49	0.7
5602.1	10000	38.9422	94.8349	-764	PKC	3.6	1	10.3	1	1.5	2	0.351	0	2.498	-1	7.114	-1	2084	39	0.7
5602.2	10000	38.9427	94.8349	-761	PKC	3.3	1	10.7	1	1.4	1	0.311	-1	2.393	-1	7.688	-1	2093	48	0.7
5602.3	10000	38.9433	94.8348	-760	PKC	3.4	1	10.6	1	1.4	2	0.319	-1	2.356	-1	7.397	-1	2098	43	0.7
5602.4	10000	38.9438	94.8348	-758	PKC	3.2	1	10.5	1	1.4	1	0.303	-1	2.323	-1	7.659	-1	2101	54	0.7
5602.5	10000	38.9444	94.8348	-756	PKC	3.7	1	10.2	1	1.3	1	0.362	0	2.769	0	7.651	-1	2086	39	0.7
5602.6	10000	38.9450	94.8348	-754	PKC	3.6	1	9.4	1	1.3	1	0.385	0	2.754	0	7.147	-1	2071	52	0.7
5602.7	10000	38.9455	94.8348	-753	PKC	3.6	1	9.1	1	1.2	1	0.398	0	2.925	0	7.350	-1	2038	52	0.7
5602.8	10000	38.9461	94.8348	-752	PKC	3.6	1	8.8	1	1.2	1	0.413	0	3.163	0	7.666	-1	2015	50	0.7
5602.9	10000	38.9467	94.8347	-750	PKC	3.9	1	8.7	1	1.1	0	0.442	1	3.379	1	7.641	-1	1987	42	0.7
5603.0	10000	38.9472	94.8347	-749	PKC	3.9	1	9.0	0	1.1	0	0.434	1	3.472	1	7.995	0	1957	41	0.7
5603.1	10000	38.9478	94.8347	-748	PLP	3.7	1	8.7	-1	1.1	0	0.424	1	3.232	1	7.619	-1	1923	37	0.7
5603.2	10000	38.9484	94.8347	-747	PLP	3.5	1	9.0	-1	1.1	0	0.388	1	3.038	0	7.838	0	1922	44	0.7
5603.3	10000	38.9489	94.8347	-746	PLP	3.5	1	9.0	-1	1.1	0	0.384	1	3.081	0	8.013	0	1900	43	0.7
5603.4	10000	38.9495	94.8347	-746	PLP	3.6	1	9.3	1	1.2	0	0.385	1	2.959	0	7.678	-1	1914	37	0.7
5603.5	10000	38.9501	94.8346	-744	PLP	3.5	1	9.6	0	1.3	0	0.358	1	2.736	0	7.639	-1	1928	50	0.7
5603.6	10000	38.9506	94.8346	-744	PLP	3.4	1	9.7	0	1.3	1	0.349	0	2.515	-1	7.214	-1	1970	38	0.7
5603.7	10000	38.9512	94.8346	-743	PLP	3.3	1	9.7	0	1.4	2	0.341	0	2.341	-1	6.875	-1	2016	39	0.8
5603.8	10000	38.9517	94.8346	-742	PLP	3.4	1	10.0	0	1.4	2	0.342	0	2.359	-1	6.906	-1	2064	40	0.8
5603.9	10000	38.9523	94.8346	-742	PLP	3.5	1	10.3	1	1.5	2	0.337	0	2.277	-1	6.754	-1	2109	51	0.8
5604.0	10000	38.9529	94.8345	-741	PLP	3.4	1	10.7	1	1.6	2	0.320	0	2.191	-1	6.845	-1	2151	53	0.8
5604.1	10000	38.9534	94.8345	-740	PLP	3.3	1	10.8	1	1.6	2	0.311	0	2.121	-1	6.827	-1	2170	52	0.8
5604.2	10000	38.9540	94.8345	-739	PLP	3.5	1	11.2	2	1.6	3	0.309	0	2.187	-1	7.068	-1	2190	57	0.8
5604.3	10000	38.9546	94.8345	-738	PLP	3.6	1	11.2	2	1.6	3	0.319	0	2.198	-1	6.886	-1	2207	50	0.8
5604.4	10000	38.9551	94.8345	-738	PLP	3.4	1	10.8	1	1.6	3	0.314	0	2.087	-1	6.642	-1	2207	55	0.8
5604.5	10000	38.9557	94.8345	-737	PLP	3.5	1	11.0	1	1.6	3	0.317	0	2.141	-1	6.749	-1	2213	48	0.8
5604.6	10000	38.9563	94.8344	-736	PLP	3.2	1	11.0	1	1.6	3	0.291	-1	1.966	-1	6.757	-1	2195	42	0.8
5604.7	10000	38.9568	94.8344	-734	PLP	3.2	1	11.0	1	1.6	3	0.297	-1	2.058	-1	6.933	-1	2192	40	0.8
5604.8	10000	38.9574	94.8344	-733	PLP	3.2	1	11.0	1	1.6	3	0.296	-1	2.084	-1	7.034	-1	2186	60	0.8
5604.9	10000	38.9579	94.8344	-732	PLP	3.1	1	11.0	1	1.6	3	0.310	-1	2.033	-1	6.552	-1	2165	38	0.8
5605.0	10000	38.9585	94.8344	-731	PLP	3.1	1	11.0	1	1.6	3	0.296	-1	2.054	-1	6.935	-1	2096	43	0.8
5605.1	10000	38.9591	94.8344	-730	PLP	3.1	1	10.9	1	1.6	3	0.314	-1	2.294	-1	7.300	-1	2012	48	0.8
5605.2	10000	38.9596	94.8343	-729	PLP	3.1	1	10.9	1	1.5	3	0.327	-1	2.392	-1	7.312	-1	1921	48	0.8
5605.3	10000	38.9602	94.8343	-728	PLP	3.1	1	10.9	1	1.5	3	0.364	-1	2.678	-1	7.349	-1	1837	41	0.8
5605.4	10000	38.9608	94.8343	-727	PKC	3.0	1	10.8	1	1.5	3	0.375	-1	2.645	-1	7.050	-1	1741	42	0.8
5605.5	10000	38.9613	94.8343	-725	PKC	3.0	1	10.7	1	1.4	3	0.417	-1	2.929	-1	7.029	-1	1653	40	0.8
5605.6	10000	38.9619	94.8343	-724	PKC	3.0	1	10.7	1	1.4	3	0.451	-1	3.186	-1	7.064	-1	1553	46	0.8
5605.7	10000	38.9624	94.8343	-723	PKC	3.0	1	10.7	1	1.4	3	0.499	-1	3.454	-1	7.064	-1	1491	36	0.8
5605.8	10000	38.9630	94.8342	-722	PKC	3.0	1	10.7	1	1.4	3	0.476	-1	3.445	-1	7.244	-1	1446	39	0.8
5605.9	10000	38.9636	94.8342	-721	PKC	3.0	1	10.7	1	1.4	3	0.504	-1	3.363	-1	6.675	-1	1412	43	0.8
5606.0	10000	38.9641	94.8342	-721	PKC	3.0	1	10.7	1	1.4	3	0.522	-1	3.315	-2	6.334	-1	1381	52	0.8
5606.1	10000	38.9647	94.8342	-720	PKC	3.0	1	10.7	1	1.4	3	0.498	-1	3.422	-1	6.876	-1	1359	43	0.8
5606.2	10000	38.9653	94.8342	-718	PKC	3.0	1	10.7	1	1.4	3	0.460	-1	3.224	-1	7.003	-1	1348	46	0.8
5606.3	10000	38.9658	94.8342	-717	PKC	3.0	1	10.7	1	1.4	3	0.446	-1	3.195	-1	7.172	-1	1372	38	0.8
5606.4	10000	38.9664	94.8341	-715	PKC	3.0	1	10.7	1	1.4	3	0.433	-1	3.138	-1	7.187	-1	1396	52	0.8
5606.5	10000	38.9670	94.8341	-713	PKC	3.0	1	10.7	1	1.4	3	0.428	-1	3.124	-1	7.454	-1	1426	54	0.8
5606.6	10000	38.9675	94.8341	-712	PKC	3.0	1	10.7	1	1.4	3	0.395	-1	3.113	-1	7.127	-1	1454	42	0.8
5606.7	10000	38.9681	94.8341	-709	PKC	3.0	1	10.7	1	1.4	3	0.378	-1	3.083	-1	7.129	-1	1493	48	0.8
5606.8	10000	38.9687	94.8341	-707	PKC	3.0	1	10.7	1	1.4	3	0.395	-1	3.113	-1	7.509	-1	1532	42	0.8
5606.9	10000	38.9692	94.8340	-704	PKC	2.9	1	10.7	1	1.4	3	0.395	-1	3.113	-1	7.370	-1	1552	42	0.8

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5607.0	10000	38.9698	94.8340	-701	PKC	2.9	-1	7.1	-2	1.0	-1	0.414	1	2.955	0	7.139	-1	1575	55	0.9
5607.1	10000	38.9703	94.8340	-700	PKC	3.1	0	7.4	-2	1.0	-1	0.418	1	2.996	0	7.170	-1	1609	49	0.9
5607.2	10000	38.9709	94.8340	-700	PKC	2.9	-1	7.3	-2	1.1	0	0.390	0	2.574	-1	6.604	-1	1650	45	0.9
5607.3	10000	38.9715	94.8340	-699	PKC	3.0	-1	7.6	-1	1.2	0	0.391	0	2.530	-1	6.473	-1	1686	44	0.9
5607.4	10000	38.9720	94.8340	-699	PKC	2.9	-1	7.7	-1	1.2	0	0.374	0	2.484	-1	6.646	-1	1706	47	0.9
5607.5	10000	38.9726	94.8339	-698	PKC	3.0	-1	7.8	-1	1.2	0	0.386	0	2.565	-1	6.637	-1	1723	42	0.9
5607.6	10000	38.9732	94.8339	-696	PKC	2.8	-1	7.5	-1	1.2	0	0.368	0	2.328	-1	6.321	-2	1752	28	0.9
5607.7	10000	38.9737	94.8339	-694	PKC	2.6	-1	7.7	-1	1.2	0	0.340	0	2.136	-1	6.278	-2	1749	47	0.9
5607.8	10000	38.9743	94.8339	-692	PKC	2.4	-2	7.9	-1	1.2	0	0.301	-1	1.971	-1	6.541	-1	1747	56	0.9
5607.9	10000	38.9748	94.8339	-688	PKC	2.7	-1	7.9	-1	1.1	0	0.345	0	2.357	-1	6.833	-1	1753	42	0.9
5608.0	10000	38.9754	94.8338	-682	PKC	2.6	-1	8.1	-1	1.2	0	0.327	0	2.230	-1	6.812	-1	1779	46	0.9
5608.1	10000	38.9760	94.8338	-677	PKC	2.9	-1	8.3	-1	1.2	1	0.348	0	2.328	-1	6.696	-1	1841	42	0.9
5608.2	10000	38.9765	94.8338	-675	PKC	3.1	0	8.9	0	1.2	1	0.350	0	2.551	-1	7.297	-1	1895	40	0.9
5608.3	10000	38.9771	94.8338	-675	PKC	3.3	0	9.5	0	1.2	1	0.345	0	2.680	0	7.760	0	1961	42	0.9
5608.4	10000	38.9777	94.8338	-674	PKC	3.4	0	10.2	1	1.2	1	0.334	0	2.794	0	8.362	0	2031	50	0.9
5608.5	10000	38.9782	94.8338	-670	PLP	3.5	1	10.4	1	1.3	1	0.341	0	2.759	0	8.089	0	2083	47	0.9
5608.6	10000	38.9788	94.8337	-668	PLP	3.3	0	10.6	1	1.3	1	0.313	0	2.501	-1	8.001	0	2088	40	0.9
5608.7	10000	38.9794	94.8337	-667	PLP	3.3	0	10.1	0	1.3	1	0.322	0	2.578	0	8.000	0	2078	46	0.9
5608.8	10000	38.9799	94.8337	-666	PLP	2.9	-1	10.0	0	1.2	1	0.285	-1	2.300	-1	8.063	0	2037	43	0.9
5608.9	10000	38.9805	94.8337	-662	PLP	2.9	-1	9.3	0	1.2	0	0.312	0	2.378	-1	7.614	-1	1996	52	0.9
5609.0	10000	38.9811	94.8337	-659	PLP	2.8	-1	9.2	0	1.2	0	0.305	-1	2.360	-1	7.734	-1	1932	41	0.9
5609.1	10000	38.9816	94.8337	-655	PLP	2.7	-1	8.6	-1	1.2	0	0.311	0	2.172	-1	6.993	-1	1860	55	0.9
5609.2	10000	38.9822	94.8336	-651	PLP	2.5	-1	7.9	-2	1.2	0	0.321	0	2.106	-1	6.563	-1	1782	46	0.9
5609.3	10000	38.9827	94.8336	-647	PLP	2.3	-2	7.7	-2	1.1	0	0.305	-1	2.058	-1	6.757	-1	1716	53	0.9
5609.4	10000	38.9833	94.8336	-644	PLP	2.4	-2	7.3	-2	1.2	0	0.335	0	2.110	-1	6.307	-2	1662	64	0.9
5609.5	10000	38.9839	94.8336	-641	PLP	2.6	-1	6.8	-3	1.1	0	0.376	1	2.284	-1	6.067	-2	1601	34	0.9
5609.6	10000	38.9844	94.8336	-637	PLP	2.3	-2	6.3	-3	1.1	-1	0.361	0	2.155	-1	5.971	-2	1537	47	0.9
5609.7	10000	38.9850	94.8335	-634	PKC	2.4	-2	6.3	-3	1.0	-1	0.377	0	2.272	-1	6.020	-2	1487	58	0.9
5609.8	10000	38.9856	94.8335	-631	PKC	2.2	-2	6.2	-3	1.0	-1	0.361	0	2.155	-1	5.971	-2	1448	41	0.9
5609.9	10000	38.9861	94.8335	-628	PKC	2.3	-2	6.2	-3	1.1	-1	0.377	0	2.272	-1	6.020	-2	1404	48	0.9
5610.0	10000	38.9867	94.8335	-623	PKC	2.4	-2	6.2	-3	1.1	-1	0.389	0	2.272	-1	6.020	-2	1379	41	0.9
5610.1	10000	38.9873	94.8335	-618	PKC	2.4	-2	6.2	-3	1.1	-1	0.393	0	2.272	-1	6.020	-2	1354	53	0.9
5610.2	10000	38.9878	94.8335	-615	PKC	2.4	-2	6.2	-3	1.1	-1	0.387	0	2.272	-1	6.020	-2	1346	41	0.9
5610.3	10000	38.9884	94.8335	-612	PKC	2.4	-2	6.2	-3	1.1	-1	0.374	0	2.272	-1	6.020	-2	1360	45	0.9
5610.4	10000	38.9890	94.8334	-607	PKC	2.4	-2	6.2	-3	1.1	-1	0.369	0	2.272	-1	6.020	-2	1370	44	0.9
5610.5	10000	38.9895	94.8334	-604	PKC	2.4	-2	6.2	-3	1.1	-1	0.366	0	2.272	-1	6.020	-2	1380	52	0.9
5610.6	10000	38.9901	94.8334	-601	PKC	2.4	-2	6.2	-3	1.1	-1	0.339	0	2.272	-1	6.020	-2	1406	47	0.9
5610.7	10000	38.9906	94.8334	-598	PKC	2.4	-2	6.2	-3	1.1	-1	0.321	0	2.272	-1	6.020	-2	1459	40	0.9
5610.8	10000	38.9912	94.8334	-595	PKC	2.4	-2	6.2	-3	1.1	-1	0.286	0	2.272	-1	6.020	-2	1508	35	0.9
5610.9	10000	38.9918	94.8333	-592	PKC	2.4	-2	6.2	-3	1.1	-1	0.287	0	2.272	-1	6.020	-2	1577	43	0.9
5611.0	10000	38.9923	94.8333	-590	PKC	2.4	-2	6.2	-3	1.1	-1	0.315	0	2.272	-1	6.020	-2	1618	61	0.9
5611.1	10000	38.9929	94.8333	-586	PKC	2.4	-2	6.2	-3	1.1	-1	0.385	0	2.272	-1	6.020	-2	1688	47	0.9
5611.2	10000	38.9935	94.8333	-582	PKC	2.4	-2	6.2	-3	1.1	-1	0.377	0	2.272	-1	6.020	-2	1768	61	0.9
5611.3	10000	38.9940	94.8333	-580	PKC	2.4	-2	6.2	-3	1.1	-1	0.436	1	2.272	-1	6.020	-2	1839	47	0.9
5611.4	10000	38.9946	94.8332	-580	PKC	2.4	-2	6.2	-3	1.1	-1	0.441	1	2.272	-1	6.020	-2	1844	39	0.9
5611.5	10000	38.9951	94.8332	-579	PKC	2.4	-2	6.2	-3	1.1	-1	0.436	1	2.272	-1	6.020	-2	1840	51	0.9
5611.6	10000	38.9957	94.8332	-577	PKC	2.4	-2	6.2	-3	1.1	-1	0.436	1	2.272	-1	6.020	-2	1793	40	0.9
5611.7	10000	38.9963	94.8332	-575	PKC	2.4	-2	6.2	-3	1.1	-1	0.436	1	2.272	-1	6.020	-2	1757	37	0.9
5611.8	10000	38.9968	94.8332	-576	PKC	2.4	-2	6.2	-3	1.1	-1	0.436	1	2.272	-1	6.020	-2	1690	45	0.9
5611.9	10000	38.9974	94.8332	-575	PKC	2.4	-2	6.2	-3	1.1	-1	0.436	1	2.272	-1	6.020	-2	1616	46	0.9
5612.0	10000	38.9980	94.8332	-575	PKC	2.4	-2	6.2	-3	1.1	-1	0.436	1	2.272	-1	6.020	-2	1570	47	0.9
5612.1	10000	38.9985	94.8331	-573	PKC	2.4	-2	6.2	-3	1.1	-1	0.436	1	2.272	-1	6.020	-2	1571	47	0.9

LINE 1040 DATA ACQUIRED 80253 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
5612.2	10000	38.9991	94.8331	-572	PKC	2.8	-1	7.0	-2	1.1	0	0.401	1	2.617	-1	6.524	-1	1580	40	0.9
5612.3	10000	38.9997	94.8331	-570	PKC	2.9	-1	7.3	-2	1.1	0	0.398	0	2.666	0	6.692	-1	1602	60	0.9
5612.4	10000	39.0002	94.8331	-569	PKC	2.8	-1	7.3	-2	1.2	0	0.388	0	2.447	-1	6.313	-2	1633	46	0.9

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9389.9	10000	38.0002	94.5169	-796	PC	3.1	0	10.2	1	1.1	0	0.302	-1	2.763	0	9.155	0	2006	59	1.6
9390.0	10000	38.0008	94.5168	-797	PC	3.1	0	10.4	1	1.1	0	0.299	-1	2.754	0	9.204	0	2013	46	1.6
9390.1	10000	38.0014	94.5167	-799	PC	3.3	0	10.2	1	1.1	0	0.323	0	2.886	0	8.936	0	2020	55	1.6
9390.2	10000	38.0020	94.5166	-800	PM	3.5	0	10.0	1	1.1	0	0.347	0	3.084	0	8.881	0	2015	48	1.6
9390.3	10000	38.0026	94.5166	-801	PM	3.9	1	9.6	0	1.1	0	0.405	1	3.404	0	8.407	0	2023	55	1.5
9390.4	10000	38.0032	94.5165	-802	PM	4.3	2	9.0	0	1.2	0	0.479	2	3.723	1	7.769	-1	2033	41	1.5
9390.5	10000	38.0038	94.5164	-802	PM	4.7	3	8.3	-1	1.1	0	0.565	3	4.218	2	7.470	-1	2017	42	1.5
9390.6	10000	38.0044	94.5163	-802	PM	4.7	3	7.9	-1	1.1	0	0.595	4	4.382	2	7.362	-1	1968	55	1.5
9390.7	10000	38.0050	94.5162	-802	PM	4.4	2	7.3	-2	1.0	0	0.601	4	4.275	2	7.108	-1	1903	47	1.5
9390.8	10000	38.0056	94.5162	-802	PM	4.0	1	7.0	-2	1.0	0	0.575	4	4.029	1	7.012	-1	1837	52	1.5
9390.9	10000	38.0063	94.5161	-805	PM	3.8	0	6.7	-3	1.0	0	0.567	3	3.730	1	6.577	-2	1788	42	1.5
9391.0	10000	38.0069	94.5160	-806	PM	3.2	0	6.7	-3	1.0	0	0.474	2	3.146	0	6.634	-2	1734	46	1.5
9391.1	10000	38.0075	94.5159	-806	PM	2.7	-1	6.8	-2	1.0	-1	0.400	1	2.861	0	7.144	-1	1705	58	1.5
9391.2	10000	38.0081	94.5158	-805	PM	2.6	-1	7.0	-2	1.0	-1	0.367	1	2.621	-1	7.134	-1	1724	46	1.5
9391.3	10000	38.0087	94.5158	-803	PM	2.6	-1	7.5	-2	1.0	0	0.341	1	2.444	-1	7.158	-1	1794	54	1.5
9391.4	10000	38.0093	94.5157	-803	PM	3.0	0	7.8	-2	1.1	0	0.388	1	2.686	-1	6.926	-1	1879	44	1.5
9391.5	10000	38.0099	94.5156	-802	PM	3.3	0	8.2	-1	1.1	0	0.402	1	2.910	0	7.243	-1	1964	51	1.5
9391.6	10000	38.0105	94.5155	-801	PM	3.4	1	8.6	-1	1.2	1	0.397	1	2.821	0	7.105	-1	2043	32	1.5
9391.7	10000	38.0111	94.5154	-800	PM	3.7	1	8.8	-1	1.2	1	0.420	1	3.043	0	7.238	-1	2108	55	1.5
9391.8	10000	38.0117	94.5154	-798	PM	3.8	1	8.8	-1	1.3	1	0.452	2	3.003	0	6.650	-2	2127	53	1.5
9391.9	10000	38.0123	94.5153	-797	PM	3.7	1	8.8	-1	1.3	1	0.439	2	2.885	0	6.573	-2	2129	35	1.5
9392.0	10000	38.0130	94.5152	-796	PM	4.0	1	8.8	-1	1.2	1	0.469	2	3.265	0	6.956	-1	2117	45	1.5
9392.1	10000	38.0136	94.5151	-794	PM	3.9	1	8.8	-1	1.2	1	0.469	2	3.329	0	7.094	-1	2093	51	1.5
9392.2	10000	38.0142	94.5150	-792	PM	3.9	1	8.8	-1	1.2	1	0.482	2	3.281	0	6.813	-1	2065	54	1.5
9392.3	10000	38.0148	94.5150	-789	PM	3.9	1	8.8	-1	1.1	0	0.484	2	3.564	1	7.368	-1	2024	55	1.5
9392.4	10000	38.0154	94.5149	-786	PM	3.8	1	8.8	-1	1.0	0	0.475	2	3.665	1	7.717	-1	1989	49	1.5
9392.5	10000	38.0160	94.5148	-786	PM	3.8	1	8.8	-1	1.0	0	0.430	1	3.778	1	8.778	0	1960	47	1.5
9392.6	10000	38.0166	94.5147	-786	PM	3.7	1	8.9	0	1.0	-1	0.408	1	3.675	1	9.005	0	1926	51	1.5
9392.7	10000	38.0172	94.5146	-785	PM	3.3	1	8.8	0	1.0	0	0.368	1	3.290	1	8.946	0	1878	61	1.5
9392.8	10000	38.0178	94.5146	-784	PM	3.1	1	8.8	0	1.0	0	0.331	1	3.129	1	8.451	0	1854	54	1.4
9392.9	10000	38.0184	94.5145	-782	PM	3.0	1	8.8	0	1.0	0	0.311	1	2.967	1	8.551	0	1868	39	1.4
9393.0	10000	38.0190	94.5144	-781	PM	2.9	1	8.8	0	1.0	0	0.314	1	2.990	1	8.531	0	1892	49	1.4
9393.1	10000	38.0196	94.5143	-779	PM	2.9	1	8.8	0	1.0	0	0.309	1	2.856	1	8.256	0	1912	53	1.4
9393.2	10000	38.0203	94.5142	-778	PM	2.8	1	8.8	0	1.0	0	0.316	1	2.806	1	8.884	0	1949	39	1.4
9393.3	10000	38.0209	94.5141	-778	PM	2.8	1	8.8	0	1.0	0	0.312	1	2.822	1	9.044	0	1970	39	1.4
9393.4	10000	38.0215	94.5141	-777	PM	2.8	1	8.8	0	1.0	0	0.307	1	2.758	1	8.976	0	1984	47	1.4
9393.5	10000	38.0221	94.5140	-777	PM	2.8	1	8.8	0	1.0	0	0.313	1	2.744	1	8.776	0	1983	49	1.4
9393.6	10000	38.0227	94.5139	-776	PM	2.8	1	8.8	0	1.0	0	0.294	1	2.623	1	8.909	0	1941	42	1.4
9393.7	10000	38.0233	94.5138	-777	PM	2.8	1	8.8	0	1.0	0	0.268	1	2.339	1	8.717	0	1909	50	1.4
9393.8	10000	38.0239	94.5137	-776	PM	2.8	1	8.8	0	1.0	0	0.261	1	2.317	1	8.873	0	1901	59	1.4
9393.9	10000	38.0245	94.5137	-776	PM	2.8	1	8.8	0	1.0	0	0.254	1	2.285	1	8.987	0	1884	44	1.4
9394.0	10000	38.0251	94.5136	-776	PM	2.8	1	8.8	0	1.0	0	0.279	1	2.457	1	8.818	0	1880	40	1.4
9394.1	10000	38.0257	94.5135	-776	PM	2.8	1	8.8	0	1.0	0	0.301	1	2.609	1	8.675	0	1884	63	1.4
9394.2	10000	38.0263	94.5134	-776	PM	2.8	1	8.8	0	1.0	0	0.295	1	2.575	1	8.735	0	1886	55	1.4
9394.3	10000	38.0270	94.5134	-777	PM	2.8	1	8.8	0	1.0	0	0.320	1	2.872	1	8.968	0	1901	55	1.4
9394.4	10000	38.0276	94.5133	-777	PM	2.8	1	8.8	0	1.0	0	0.318	1	2.930	1	9.211	0	1895	42	1.4
9394.5	10000	38.0282	94.5132	-778	PM	2.8	1	8.8	0	1.0	0	0.330	1	2.943	1	8.920	0	1887	64	1.4
9394.6	10000	38.0288	94.5131	-779	PM	2.8	1	8.8	0	1.0	0	0.338	1	2.992	1	8.858	0	1900	60	1.4
9394.7	10000	38.0294	94.5130	-781	PM	2.8	1	8.8	0	1.0	0	0.305	1	2.777	1	9.028	0	1900	47	1.5
9394.8	10000	38.0300	94.5129	-781	PM	2.8	1	8.8	0	1.0	0	0.299	1	2.775	1	8.886	0	1908	51	1.5
9394.9	10000	38.0306	94.5129	-782	PM	2.8	1	8.8	0	1.0	0	0.305	1	2.809	1	9.206	0	1924	44	1.5
9395.0	10000	38.0312	94.5128	-784	PM	2.9	1	8.8	0	1.0	0	0.310	1	2.763	1	8.901	0	1946	53	1.5

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9395.1	10000	38.0318	94.5127	-787	PM	3.2	0	9.3	0	1.0	0	0.347	0	3.153	0	9.079	0	1976	49	1.5
9395.2	10000	38.0324	94.5126	-793	PM	3.5	0	9.3	0	1.1	0	0.375	0	3.294	0	8.780	0	2019	54	1.5
9395.3	10000	38.0331	94.5125	-797	PM	3.9	1	8.9	0	1.1	0	0.434	1	3.565	1	8.208	0	2061	44	1.5
9395.4	10000	38.0337	94.5125	-802	PM	4.3	2	8.7	-1	1.1	0	0.497	2	3.894	1	7.827	-1	2122	41	1.5
9395.5	10000	38.0343	94.5124	-805	PM	4.7	3	8.6	-1	1.2	0	0.546	3	4.065	1	7.451	-1	2162	56	1.5
9395.6	10000	38.0349	94.5123	-809	PM	4.9	3	8.8	-1	1.1	0	0.559	3	4.305	2	7.697	-1	2196	37	1.5
9395.7	10000	38.0355	94.5122	-813	PM	5.1	3	8.9	0	1.1	0	0.571	3	4.539	2	7.944	-1	2222	58	1.5
9395.8	10000	38.0361	94.5121	-817	PM	5.1	4	9.1	0	1.2	1	0.563	3	4.360	2	7.745	-1	2248	43	1.5
9395.9	10000	38.0367	94.5121	-821	PM	5.1	4	9.2	0	1.2	1	0.557	3	4.446	2	7.975	-1	2243	46	1.5
9396.0	10000	38.0373	94.5120	-825	PM	4.8	3	9.5	0	1.1	0	0.501	2	4.168	2	8.324	0	2226	40	1.5
9396.1	10000	38.0379	94.5119	-828	PC	4.7	2	9.4	0	1.1	0	0.497	2	4.156	1	8.357	0	2200	30	1.5
9396.2	10000	38.0385	94.5118	-831	PC	4.5	2	9.4	0	1.1	0	0.476	2	4.054	1	8.519	0	2171	55	1.5
9396.3	10000	38.0391	94.5117	-834	PC	4.2	1	8.9	0	1.1	0	0.468	1	3.768	1	8.049	0	2155	39	1.5
9396.4	10000	38.0397	94.5117	-837	PC	4.3	1	8.8	0	1.1	0	0.484	2	3.770	1	7.795	-1	2116	48	1.5
9396.5	10000	38.0404	94.5116	-839	PC	3.8	1	8.6	-1	1.1	0	0.447	1	3.477	1	7.784	-1	2087	55	1.6
9396.6	10000	38.0410	94.5115	-841	PC	3.8	1	8.3	-1	1.1	0	0.457	2	3.497	1	7.656	-1	2060	39	1.6
9396.7	10000	38.0416	94.5114	-842	PC	4.0	1	8.4	-1	1.0	0	0.476	2	3.811	1	8.002	0	2037	47	1.6
9396.8	10000	38.0422	94.5113	-842	PC	4.1	1	7.8	-1	1.1	0	0.531	2	3.924	1	7.384	-1	2009	38	1.6
9396.9	10000	38.0428	94.5113	-843	PC	4.2	1	7.6	-1	1.0	0	0.559	3	4.129	1	7.390	-1	1993	46	1.6
9397.0	10000	38.0434	94.5112	-842	PC	4.4	2	7.3	-2	1.0	0	0.603	3	4.412	2	7.314	-1	1950	48	1.6
9397.1	10000	38.0440	94.5111	-842	PC	4.1	1	7.1	-2	1.0	0	0.576	3	4.070	1	7.064	-1	1914	49	1.6
9397.2	10000	38.0446	94.5111	-841	PC	4.1	1	6.8	-2	1.0	0	0.601	3	4.159	1	6.916	-1	1883	38	1.6
9397.3	10000	38.0453	94.5111	-840	PC	4.0	1	7.4	-2	1.0	0	0.543	2	4.124	1	7.591	-1	1874	45	1.6
9397.4	10000	38.0459	94.5110	-839	PC	3.8	1	7.7	-1	1.0	-1	0.497	2	3.957	1	7.964	-1	1873	62	1.6
9397.5	10000	38.0466	94.5110	-838	PC	3.5	0	8.2	-1	1.0	-1	0.424	1	3.612	1	8.522	0	1896	36	1.6
9397.6	10000	38.0472	94.5110	-837	PC	3.3	0	9.2	0	1.0	0	0.357	0	3.177	0	8.892	0	1945	44	1.6
9397.7	10000	38.0479	94.5110	-837	PC	3.2	0	9.7	0	1.1	0	0.330	0	3.006	0	9.111	0	1992	59	1.6
9397.8	10000	38.0485	94.5110	-837	PC	3.2	0	10.4	1	1.1	0	0.305	-1	2.829	0	9.275	0	2052	72	1.6
9397.9	10000	38.0492	94.5110	-837	PC	3.2	0	11.1	2	1.2	0	0.290	-1	2.796	0	9.658	1	2102	60	1.7
9398.0	10000	38.0498	94.5110	-838	PC	3.3	0	10.8	1	1.2	0	0.308	0	2.756	0	8.945	0	2125	56	1.7
9398.1	10000	38.0505	94.5110	-839	PC	3.3	0	10.6	1	1.2	0	0.310	0	2.630	-1	8.487	0	2130	49	1.7
9398.2	10000	38.0511	94.5109	-841	PC	3.3	0	10.2	1	1.2	0	0.324	0	2.630	-1	8.115	0	2115	39	1.7
9398.3	10000	38.0517	94.5109	-844	PM	3.3	0	9.8	1	1.2	0	0.337	0	2.630	-1	7.810	0	2087	43	1.7
9398.4	10000	38.0524	94.5109	-847	PM	3.3	0	9.5	1	1.2	0	0.347	0	2.630	-1	7.560	0	2071	61	1.7
9398.5	10000	38.0530	94.5109	-850	PM	3.3	0	9.3	1	1.2	0	0.355	0	2.630	-1	7.356	0	2055	46	1.7
9398.6	10000	38.0537	94.5109	-853	PM	3.3	0	9.2	1	1.2	0	0.362	0	2.630	-1	7.189	0	2073	48	1.7
9398.7	10000	38.0543	94.5109	-856	PM	3.3	0	9.1	1	1.2	0	0.367	0	2.630	-1	7.052	0	2091	45	1.7
9398.8	10000	38.0550	94.5108	-859	PM	3.3	0	9.0	1	1.2	0	0.371	0	2.630	-1	6.939	0	2093	53	1.7
9398.9	10000	38.0556	94.5108	-862	PM	3.3	0	8.9	1	1.2	0	0.374	0	2.630	-1	6.846	0	2097	36	1.7
9399.0	10000	38.0563	94.5108	-864	PM	3.3	0	8.8	1	1.2	0	0.376	0	2.630	-1	6.769	0	2097	44	1.7
9399.1	10000	38.0569	94.5108	-866	PM	3.3	0	8.8	1	1.2	0	0.377	0	2.630	-1	6.705	0	2112	56	1.7
9399.2	10000	38.0575	94.5108	-868	PM	3.3	0	8.7	1	1.2	0	0.378	0	2.630	-1	6.653	0	2089	42	1.7
9399.3	10000	38.0582	94.5108	-868	PM	3.3	0	8.7	1	1.2	0	0.379	0	2.630	-1	6.610	0	2054	44	1.7
9399.4	10000	38.0588	94.5108	-868	PM	3.3	0	8.7	1	1.2	0	0.379	0	2.630	-1	6.573	0	2051	55	1.7
9399.5	10000	38.0595	94.5107	-868	PM	3.3	0	8.7	1	1.2	0	0.379	0	2.630	-1	6.542	0	2052	52	1.7
9399.6	10000	38.0601	94.5107	-868	PM	3.3	0	8.7	1	1.2	0	0.379	0	2.630	-1	6.515	0	2056	60	1.7
9399.7	10000	38.0608	94.5107	-866	PM	3.3	0	8.7	1	1.2	0	0.379	0	2.630	-1	6.492	0	2055	55	1.7
9399.8	10000	38.0614	94.5107	-864	PM	3.3	0	8.7	1	1.2	0	0.379	0	2.630	-1	6.472	0	2056	56	1.7
9399.9	10000	38.0620	94.5107	-862	PM	3.3	0	8.7	1	1.2	0	0.379	0	2.630	-1	6.455	0	2059	39	1.7
9400.0	10000	38.0627	94.5107	-860	PM	3.3	0	8.7	1	1.2	0	0.379	0	2.630	-1	6.440	0	2054	56	1.7
9400.1	10000	38.0633	94.5107	-857	PM	3.3	0	8.7	1	1.2	0	0.379	0	2.630	-1	6.427	0	2051	39	1.7
9400.2	10000	38.0640	94.5107	-854	PM	3.3	0	8.7	1	1.2	0	0.379	0	2.630	-1	6.415	0	2053	56	1.7

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9400.3	10000	38.0646	94.5106	-850	PM	2.7	-1	8.8	-1	1.1	0	0.302	-1	2.524	-1	8.364	0	1987	55	1.8
9400.4	10000	38.0653	94.5106	-847	PM	2.8	-1	9.3	0	1.0	0	0.298	-1	2.704	-1	9.063	0	1972	51	1.8
9400.5	10000	38.0659	94.5106	-843	PM	2.6	-1	9.1	0	1.0	-1	0.285	-1	2.615	-1	9.186	0	1936	48	1.8
9400.6	10000	38.0666	94.5106	-839	PM	2.4	-2	9.2	0	1.0	-1	0.264	-1	2.486	-1	9.412	0	1926	37	1.8
9400.7	10000	38.0672	94.5106	-836	PM	2.3	-2	9.4	0	0.9	-1	0.247	-2	2.439	-1	9.880	1	1919	54	1.8
9400.8	10000	38.0679	94.5106	-832	PM	2.5	-2	9.0	0	1.0	-1	0.278	-1	2.615	-1	9.410	0	1901	45	1.8
9400.9	10000	38.0685	94.5105	-828	PM	2.7	-1	9.0	0	0.9	-1	0.300	-1	2.933	0	9.784	1	1892	56	1.8
9401.0	10000	38.0692	94.5105	-824	PM	2.6	-1	9.5	0	0.9	-1	0.273	-1	2.875	0	10.515	1	1906	35	1.8
9401.1	10000	38.0698	94.5105	-820	PM	2.6	-1	9.2	0	0.9	-1	0.285	-1	2.902	0	10.181	1	1899	48	1.8
9401.2	10000	38.0704	94.5105	-817	PM	2.6	-1	9.4	0	0.9	-1	0.282	-1	2.845	0	10.081	1	1891	56	1.8
9401.3	10000	38.0711	94.5105	-813	PM	2.4	-2	9.0	0	0.9	-1	0.271	-1	2.635	-1	9.739	1	1856	44	1.8
9401.4	10000	38.0717	94.5105	-809	PM	2.7	-1	8.8	-1	0.9	-1	0.305	-1	2.979	0	9.781	1	1824	34	1.8
9401.5	10000	38.0724	94.5105	-805	PM	2.7	-1	8.6	-1	0.9	-1	0.317	-1	3.043	0	9.612	1	1819	58	1.8
9401.6	10000	38.0730	94.5104	-801	PM	2.6	-1	8.8	-1	0.9	-1	0.294	-1	2.901	0	9.870	1	1805	50	1.8
9401.7	10000	38.0737	94.5104	-798	PM	2.6	-1	9.0	0	0.9	-1	0.284	-1	2.970	0	10.443	1	1789	51	1.8
9401.8	10000	38.0743	94.5104	-796	PM	2.8	-1	9.2	0	0.9	-1	0.304	-1	3.190	0	10.494	1	1803	51	1.8
9401.9	10000	38.0750	94.5104	-792	PM	2.7	-1	9.3	0	0.9	-1	0.284	-1	3.054	0	10.738	1	1821	37	1.8
9402.0	10000	38.0756	94.5104	-789	PM	2.9	-1	9.8	0	0.9	-1	0.292	-1	3.330	0	11.424	2	1842	39	1.8
9402.1	10000	38.0762	94.5104	-785	PM	2.6	-1	10.0	1	0.9	-1	0.257	-2	2.942	0	11.442	2	1855	29	1.8
9402.2	10000	38.0769	94.5104	-781	PM	2.7	-1	10.2	1	0.8	-2	0.261	-1	3.145	0	12.074	2	1852	50	1.8
9402.3	10000	38.0775	94.5103	-777	PM	2.7	-1	10.2	1	0.9	-1	0.262	-1	3.127	0	11.936	2	1844	49	1.8
9402.4	10000	38.0782	94.5103	-773	PM	2.7	-1	10.0	1	0.9	-1	0.273	-1	3.185	0	11.651	2	1848	43	1.8
9402.5	10000	38.0788	94.5103	-770	PM	2.8	-1	10.4	1	0.8	-2	0.267	-1	3.314	0	12.392	3	1874	51	1.8
9402.6	10000	38.0795	94.5103	-766	PM	2.9	-1	9.9	1	0.9	-1	0.287	-1	3.292	0	11.469	2	1916	55	1.8
9402.7	10000	38.0801	94.5103	-763	PM	3.1	0	10.1	1	0.9	-1	0.303	-1	3.436	1	11.327	2	1976	48	1.8
9402.8	10000	38.0807	94.5103	-759	PM	3.4	0	10.4	1	0.9	-1	0.326	0	3.628	1	11.135	2	2030	32	1.8
9402.9	10000	38.0814	94.5103	-756	PM	3.1	0	10.8	1	1.0	-1	0.292	-1	3.313	1	11.336	2	2068	53	1.8
9403.0	10000	38.0820	94.5102	-752	PM	3.2	0	10.7	1	1.0	-1	0.297	-1	3.336	0	11.219	2	2123	45	1.8
9403.1	10000	38.0827	94.5102	-749	PM	3.1	0	10.7	1	1.0	0	0.289	-1	3.014	0	10.423	1	2154	40	1.8
9403.2	10000	38.0833	94.5102	-745	PM	2.7	-1	10.6	1	1.0	0	0.255	-1	2.527	0	9.918	1	2163	54	1.8
9403.3	10000	38.0840	94.5102	-741	PM	2.7	-1	10.6	1	1.0	0	0.244	-1	2.509	0	10.295	1	2167	37	1.8
9403.4	10000	38.0846	94.5102	-738	PM	2.6	-1	10.4	1	1.0	0	0.238	-1	2.425	0	10.171	1	2145	42	1.8
9403.5	10000	38.0853	94.5102	-735	PM	2.8	-1	10.6	1	1.0	0	0.266	-1	2.783	0	10.461	1	2118	49	1.8
9403.6	10000	38.0859	94.5101	-732	PM	2.9	-1	10.6	1	1.0	0	0.274	-1	2.904	0	10.581	1	2111	52	1.8
9403.7	10000	38.0866	94.5101	-729	PM	2.9	-1	10.4	1	1.0	0	0.280	-1	2.972	0	10.610	1	2105	44	1.8
9403.8	10000	38.0872	94.5101	-726	PM	2.9	-1	10.7	1	1.0	0	0.299	-1	3.529	0	10.796	1	2087	47	1.8
9403.9	10000	38.0879	94.5101	-724	PM	2.9	-1	10.7	1	1.0	0	0.315	-1	3.585	0	10.365	1	2061	54	1.8
9404.0	10000	38.0885	94.5101	-722	PM	2.9	-1	10.7	1	1.0	0	0.327	-1	3.661	0	10.201	1	2046	48	1.8
9404.1	10000	38.0891	94.5101	-721	PM	2.9	-1	10.7	1	1.0	0	0.353	-1	3.846	0	10.882	1	2041	54	1.8
9404.2	10000	38.0898	94.5101	-720	PM	2.9	-1	10.7	1	1.0	0	0.351	-1	3.662	0	10.434	1	2042	48	1.8
9404.3	10000	38.0904	94.5101	-720	PM	2.9	-1	10.7	1	1.0	0	0.363	-1	3.615	0	9.954	1	2037	52	1.8
9404.4	10000	38.0911	94.5100	-720	PM	2.9	-1	10.7	1	1.0	0	0.377	-1	3.686	0	9.782	1	2029	52	1.8
9404.5	10000	38.0917	94.5100	-721	PM	2.9	-1	10.7	1	1.0	0	0.362	-1	3.345	0	9.235	1	2045	41	1.8
9404.6	10000	38.0924	94.5100	-722	PM	2.9	-1	10.7	1	1.0	0	0.373	-1	3.450	0	9.259	1	2050	46	1.8
9404.7	10000	38.0930	94.5100	-724	PM	2.9	-1	10.7	1	1.0	0	0.346	-1	3.417	0	9.867	1	2056	47	1.8
9404.8	10000	38.0936	94.5100	-726	PM	2.9	-1	10.7	1	1.0	0	0.331	-1	3.143	0	9.966	1	2053	46	1.8
9404.9	10000	38.0943	94.5100	-727	PM	2.9	-1	10.7	1	1.0	0	0.332	-1	3.206	0	9.307	1	2056	52	1.8
9405.0	10000	38.0949	94.5099	-730	PM	2.9	-1	10.7	1	1.0	0	0.329	-1	3.300	0	9.168	1	2065	45	1.8
9405.1	10000	38.0956	94.5099	-731	PM	2.9	-1	10.7	1	1.0	0	0.288	-1	3.150	0	8.869	1	2057	55	1.8
9405.2	10000	38.0962	94.5099	-733	PM	2.9	-1	10.7	1	1.0	0	0.272	-1	2.818	0	8.802	1	2046	36	1.8
9405.3	10000	38.0969	94.5099	-734	PM	2.9	-1	10.7	1	1.0	0	0.272	-1	2.635	0	8.132	1	2041	53	1.8
9405.4	10000	38.0975	94.5099	-736	PM	2.9	-1	10.8	1	1.0	0	0.272	-1	2.612	0	8.589	1	2029	44	1.8

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9405.5	10000	38.0982	94.5099	-737	PM	3.1	0	10.5	1	1.1	0	0.298	-1	2.779	-1	9.320	0	2028	52	1.6
9405.6	10000	38.0988	94.5099	-739	PM	2.9	-1	10.5	1	1.1	0	0.280	-1	2.595	-1	9.268	0	2026	61	1.6
9405.7	10000	38.0994	94.5098	-740	PM	2.7	-1	10.2	1	1.1	0	0.261	-1	2.359	-1	9.023	0	2002	41	1.6
9405.8	10000	38.1001	94.5098	-741	PM	2.8	-1	9.8	0	1.1	0	0.280	-1	2.413	-1	8.623	0	2008	43	1.6
9405.9	10000	38.1007	94.5098	-743	PM	2.9	-1	10.1	1	1.0	0	0.290	-1	2.793	0	9.617	1	2006	51	1.6
9406.0	10000	38.1014	94.5098	-744	PM	3.0	-1	9.8	0	1.0	0	0.306	-1	2.902	0	9.474	0	2004	50	1.6
9406.1	10000	38.1020	94.5098	-745	PM	3.2	0	9.9	0	1.0	0	0.318	-1	3.007	0	9.446	0	2002	44	1.6
9406.2	10000	38.1027	94.5098	-747	PM	3.3	0	9.8	0	1.1	0	0.335	0	3.010	0	8.978	0	1998	36	1.6
9406.3	10000	38.1033	94.5098	-748	PM	3.1	0	9.6	0	1.1	0	0.322	0	2.788	0	8.647	0	2000	47	1.6
9406.4	10000	38.1040	94.5098	-749	PM	3.1	0	9.7	0	1.1	0	0.323	0	2.748	-1	8.506	0	2008	46	1.6
9406.5	10000	38.1046	94.5097	-749	PM	3.2	0	9.8	0	1.1	0	0.330	0	2.834	0	8.591	0	2003	45	1.6
9406.6	10000	38.1053	94.5097	-749	PM	3.1	0	9.6	0	1.2	1	0.325	0	2.690	-1	8.284	0	1992	47	1.6
9406.7	10000	38.1059	94.5097	-749	PM	3.3	0	9.8	0	1.2	1	0.339	0	2.767	-1	8.161	-1	1993	60	1.5
9406.8	10000	38.1065	94.5097	-748	PM	3.3	0	9.6	0	1.2	1	0.339	0	2.798	0	8.245	0	1989	47	1.5
9406.9	10000	38.1072	94.5097	-745	PM	3.2	0	10.1	1	1.1	0	0.316	-1	2.945	0	9.329	0	1994	32	1.5
9407.0	10000	38.1078	94.5097	-740	PM	3.4	0	10.3	1	1.1	0	0.327	0	3.045	0	9.312	0	2003	42	1.5
9407.1	10000	38.1085	94.5096	-740	PM	3.2	0	10.8	1	1.1	0	0.296	-1	2.894	0	9.713	1	2018	47	1.5
9407.2	10000	38.1091	94.5096	-743	PM	3.1	0	10.5	1	1.1	0	0.292	-1	2.688	-1	9.222	0	2025	51	1.5
9407.3	10000	38.1098	94.5096	-740	PM	3.0	-1	10.3	1	1.1	0	0.288	-1	2.591	-1	8.990	0	2033	46	1.5
9407.4	10000	38.1104	94.5096	-737	PM	3.1	-1	10.2	1	1.1	0	0.294	-1	2.614	-1	8.883	0	2051	50	1.5
9407.5	10000	38.1111	94.5096	-733	PM	2.9	-1	10.0	1	1.2	1	0.290	-1	2.447	-1	8.429	0	2065	40	1.5
9407.6	10000	38.1117	94.5096	-729	PM	2.8	-1	10.2	1	1.2	1	0.278	-1	2.356	-1	8.485	0	2075	57	1.5
9407.7	10000	38.1123	94.5096	-726	PM	2.9	-1	10.1	1	1.1	0	0.289	-1	2.586	-1	8.963	0	2079	44	1.5
9407.8	10000	38.1130	94.5095	-721	PM	3.3	0	10.0	1	1.1	0	0.326	0	2.944	0	9.022	0	2087	47	1.4
9407.9	10000	38.1136	94.5095	-718	PM	3.2	0	10.4	1	1.1	0	0.311	-1	2.958	0	9.508	0	2094	62	1.4
9408.0	10000	38.1143	94.5095	-715	PM	3.3	0	10.8	1	1.1	0	0.308	-1	3.123	0	10.142	1	2099	42	1.4
9408.1	10000	38.1149	94.5095	-711	PM	3.3	0	11.2	2	1.0	0	0.294	-1	3.182	0	10.840	1	2094	41	1.4
9408.2	10000	38.1156	94.5095	-709	PM	3.6	-1	11.2	2	1.0	-1	0.318	-1	3.645	1	11.455	1	2080	44	1.4
9408.3	10000	38.1162	94.5095	-707	PM	3.7	-1	11.4	2	1.0	-1	0.327	0	3.720	1	11.389	2	2085	51	1.4
9408.4	10000	38.1169	94.5095	-705	PM	3.5	-1	11.3	2	1.0	-1	0.309	-1	3.585	1	11.589	2	2062	57	1.4
9408.5	10000	38.1175	94.5094	-703	PM	3.4	-1	11.5	2	1.0	-1	0.294	-1	3.549	1	12.062	2	2042	40	1.4
9408.6	10000	38.1181	94.5094	-701	PM	3.5	-1	11.5	2	1.0	-1	0.295	-1	3.769	1	12.786	2	2053	49	1.4
9408.7	10000	38.1188	94.5094	-700	PM	3.5	-1	11.5	2	1.0	-1	0.291	-1	3.902	1	13.421	2	2052	47	1.4
9408.8	10000	38.1194	94.5094	-698	PM	3.5	-1	11.5	2	1.0	-1	0.303	-1	4.063	1	13.401	2	2057	40	1.4
9408.9	10000	38.1201	94.5094	-696	PM	3.3	-1	11.5	2	1.0	-1	0.291	-1	3.686	1	12.650	2	2075	46	1.4
9409.0	10000	38.1207	94.5094	-694	PM	3.5	-1	11.5	2	1.0	-1	0.298	-1	3.574	1	11.981	2	2069	60	1.4
9409.1	10000	38.1214	94.5094	-691	PM	3.5	-1	11.5	2	1.0	-1	0.310	-1	3.870	1	12.488	2	2084	29	1.4
9409.2	10000	38.1220	94.5093	-689	PM	3.7	-1	11.5	2	1.0	-1	0.321	-1	4.002	1	12.450	2	2106	45	1.4
9409.3	10000	38.1227	94.5093	-686	PM	3.8	-1	11.5	2	1.0	-1	0.343	-1	4.382	1	12.596	2	2097	41	1.4
9409.4	10000	38.1233	94.5093	-683	PM	3.5	-1	11.5	2	1.0	-1	0.342	-1	4.466	1	13.131	2	2099	45	1.4
9409.5	10000	38.1240	94.5093	-681	PM	3.5	-1	11.5	2	1.0	-1	0.355	-1	4.420	1	12.641	2	2090	59	1.4
9409.6	10000	38.1246	94.5093	-678	PM	3.5	-1	11.5	2	1.0	-1	0.337	-1	4.396	1	13.085	2	2071	39	1.4
9409.7	10000	38.1252	94.5093	-676	PM	3.5	-1	11.5	2	1.0	-1	0.316	-1	4.289	1	13.413	2	2061	88	1.4
9409.8	10000	38.1259	94.5092	-674	PM	3.5	-1	11.5	2	1.0	-1	0.301	-1	4.268	1	13.394	2	2058	88	1.4
9409.9	10000	38.1265	94.5092	-672	PM	3.5	-1	11.5	2	1.0	-1	0.316	-1	4.268	1	13.164	2	2036	50	1.4
9410.0	10000	38.1272	94.5092	-670	PM	3.5	-1	11.5	2	1.0	-1	0.332	-1	4.451	1	13.521	2	2035	51	1.4
9410.1	10000	38.1278	94.5092	-668	PM	3.5	-1	11.5	2	1.0	-1	0.349	-1	4.225	1	12.891	2	2035	88	1.4
9410.2	10000	38.1285	94.5092	-667	PM	3.5	-1	11.5	2	1.0	-1	0.319	-1	4.319	1	13.113	2	2025	53	1.4
9410.3	10000	38.1291	94.5092	-666	PM	3.5	-1	11.5	2	1.0	-1	0.328	-1	4.319	1	13.123	2	2025	53	1.4
9410.4	10000	38.1297	94.5092	-665	PM	3.5	-1	11.5	2	1.0	-1	0.376	-1	4.645	1	13.886	2	2036	53	1.4
9410.5	10000	38.1304	94.5092	-664	PM	3.5	-1	11.5	2	1.0	-1	0.401	-1	4.977	1	14.910	2	2036	53	1.4
9410.6	10000	38.1310	94.5091	-663	PM	3.5	-1	11.5	2	1.0	-1	0.395	-1	4.988	1	14.094	2	1993	53	1.4

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9410.7	10000	38.1317	94.5091	-662	PM	3.9	1	10.2	1	1.0	-1	0.387	1	4.064	1	10.491	1	1988	51	1.3
9410.8	10000	38.1323	94.5091	-661	PM	3.7	1	9.6	1	1.0	-1	0.391	1	3.831	1	9.805	1	1984	49	1.3
9410.9	10000	38.1330	94.5091	-659	PM	4.0	1	9.5	0	1.0	-1	0.421	1	4.090	2	9.713	1	1999	53	1.3
9411.0	10000	38.1336	94.5091	-658	PM	4.0	1	9.6	0	1.0	-1	0.411	1	3.982	1	9.696	1	2018	44	1.3
9411.1	10000	38.1343	94.5091	-656	PM	3.5	0	9.7	0	1.0	-1	0.367	1	3.620	1	9.863	1	2021	55	1.3
9411.2	10000	38.1349	94.5090	-654	PM	3.5	0	10.0	1	1.0	0	0.355	0	3.484	1	9.811	1	2036	61	1.3
9411.3	10000	38.1356	94.5090	-652	PM	3.4	0	10.1	1	1.1	0	0.336	0	3.218	0	9.576	1	2045	43	1.3
9411.4	10000	38.1362	94.5090	-650	PM	3.3	0	9.8	0	1.1	0	0.334	0	3.010	0	9.004	0	2019	48	1.2
9411.5	10000	38.1368	94.5090	-648	PM	3.3	0	9.6	0	1.1	0	0.341	0	2.914	0	8.544	0	2013	44	1.2
9411.6	10000	38.1375	94.5090	-646	PM	3.2	0	9.6	0	1.2	0	0.331	0	2.563	-1	7.738	-1	2025	51	1.2
9411.7	10000	38.1381	94.5090	-644	PM	3.3	0	9.9	0	1.3	1	0.331	0	2.541	-1	7.666	-1	2046	49	1.2
9411.8	10000	38.1388	94.5090	-641	PM	3.2	0	10.0	1	1.4	2	0.320	-1	2.276	-1	7.118	-1	2057	51	1.2
9411.9	10000	38.1394	94.5089	-639	PM	3.3	0	9.6	0	1.5	2	0.344	0	2.271	-1	6.595	-2	2074	56	1.2
9412.0	10000	38.1401	94.5089	-637	PM	3.3	0	9.5	0	1.5	3	0.346	0	2.126	-2	6.149	-2	2092	51	1.2
9412.1	10000	38.1407	94.5089	-634	PM	3.3	0	9.3	0	1.6	3	0.355	0	2.116	-2	5.957	-2	2117	51	1.2
9412.2	10000	38.1414	94.5089	-632	PM	3.1	0	9.4	0	1.6	4	0.333	0	1.934	-2	5.815	-2	2132	54	1.2
9412.3	10000	38.1420	94.5089	-629	PM	3.1	0	9.4	0	1.6	4	0.326	0	1.880	-2	5.777	-2	2132	46	1.2
9412.4	10000	38.1427	94.5089	-627	PM	3.0	-1	8.8	-1	1.6	3	0.325	0	1.788	-2	5.507	-2	2098	53	1.2
9412.5	10000	38.1433	94.5089	-625	PM	3.0	-1	8.5	-1	1.6	3	0.346	0	1.879	-2	5.427	-2	2071	36	1.2
9412.6	10000	38.1439	94.5089	-622	PM	3.0	-1	8.2	-1	1.5	3	0.346	0	1.873	-2	5.418	-2	2026	43	1.2
9412.7	10000	38.1446	94.5088	-619	PM	2.9	-1	8.0	-1	1.4	2	0.350	0	1.931	-2	5.520	-2	1982	59	1.2
9412.8	10000	38.1452	94.5088	-617	PM	2.8	-1	7.7	-2	1.4	2	0.350	0	1.872	-2	5.354	-3	1946	51	1.2
9412.9	10000	38.1459	94.5088	-614	PM	2.8	-1	7.9	-1	1.4	2	0.359	0	2.028	-2	5.657	-2	1917	46	1.2
9413.0	10000	38.1466	94.5087	-611	PM	2.7	-1	7.7	-2	1.3	1	0.349	0	2.033	-2	5.822	-2	1873	40	1.2
9413.1	10000	38.1472	94.5087	-609	PM	2.9	-1	7.5	-2	1.3	1	0.380	-1	2.200	-1	5.782	-2	1843	41	1.2
9413.2	10000	38.1479	94.5087	-606	PM	2.8	-1	7.2	-2	1.2	1	0.396	-1	2.336	-1	5.892	-2	1806	41	1.2
9413.3	10000	38.1485	94.5087	-604	PM	2.7	-1	7.4	-2	1.3	1	0.366	-2	2.095	-2	5.725	-2	1790	36	1.2
9413.4	10000	38.1492	94.5086	-602	PM	2.9	-1	7.2	-2	1.3	1	0.407	-1	2.330	-1	5.731	-2	1785	43	1.2
9413.5	10000	38.1499	94.5086	-600	PM	2.9	-1	7.2	-2	1.3	1	0.407	-1	2.360	-1	5.804	-2	1770	43	1.2
9413.6	10000	38.1505	94.5086	-598	PD	2.9	-1	6.9	-2	1.2	1	0.424	-1	2.449	-1	5.769	-2	1740	56	1.2
9413.7	10000	38.1512	94.5085	-596	PD	2.9	-1	6.6	-2	1.2	1	0.439	-1	2.549	-1	5.428	-2	1728	41	1.2
9413.8	10000	38.1518	94.5085	-594	PD	2.9	-1	6.6	-2	1.2	1	0.430	-1	2.363	-1	5.384	-2	1732	48	1.2
9413.9	10000	38.1525	94.5085	-593	PD	2.9	-1	6.6	-2	1.2	1	0.428	-1	2.264	-2	5.265	-3	1736	46	1.2
9414.0	10000	38.1532	94.5085	-591	PD	2.9	-1	6.8	-2	1.2	1	0.428	-2	2.298	-2	5.369	-3	1769	43	1.2
9414.1	10000	38.1538	94.5084	-590	PD	2.9	-1	6.6	-2	1.2	1	0.438	-2	2.002	-2	5.247	-3	1823	40	1.2
9414.2	10000	38.1545	94.5084	-587	PD	2.9	-1	6.6	-2	1.2	1	0.437	-2	2.007	-2	5.330	-3	1872	52	1.2
9414.3	10000	38.1551	94.5084	-585	PD	2.9	-1	6.6	-2	1.2	1	0.433	-2	2.048	-2	5.476	-3	1907	45	1.2
9414.4	10000	38.1558	94.5083	-584	PD	2.9	-1	6.6	-2	1.2	1	0.433	-2	2.025	-2	6.024	-3	1924	45	1.2
9414.5	10000	38.1565	94.5083	-583	PD	2.9	-1	6.6	-2	1.2	1	0.433	-2	2.119	-2	6.436	-3	1909	40	1.2
9414.6	10000	38.1571	94.5083	-581	PD	2.9	-1	6.6	-2	1.2	1	0.433	-2	2.300	-1	6.922	-3	1886	35	1.2
9414.7	10000	38.1578	94.5083	-579	PD	2.9	-1	6.6	-2	1.2	1	0.433	-2	2.454	-1	7.441	-3	1839	54	1.2
9414.8	10000	38.1584	94.5082	-578	PM	2.9	-1	6.6	-2	1.2	1	0.433	-2	2.783	-1	8.406	-3	1759	58	1.2
9414.9	10000	38.1591	94.5082	-576	PM	2.9	-1	6.6	-2	1.2	1	0.433	-2	3.052	-1	9.531	-3	1677	52	1.2
9415.0	10000	38.1598	94.5082	-575	PM	2.9	-1	6.6	-2	1.2	1	0.433	-2	3.145	-1	10.018	-3	1610	42	1.2
9415.1	10000	38.1604	94.5082	-572	PM	2.9	-1	6.6	-2	1.2	1	0.433	-2	3.222	-1	10.288	-3	1550	45	1.2
9415.2	10000	38.1611	94.5081	-569	PM	2.9	-1	6.6	-2	1.2	1	0.433	-2	3.367	-1	9.770	-3	1521	56	1.2
9415.3	10000	38.1617	94.5081	-566	PM	2.9	-1	6.6	-2	1.2	1	0.433	-2	3.353	-1	9.543	-3	1516	44	1.2
9415.4	10000	38.1624	94.5081	-564	PM	2.9	-1	6.6	-2	1.2	1	0.433	-2	3.536	-1	9.343	-3	1524	45	1.2
9415.5	10000	38.1630	94.5080	-561	WATER	999	999	999	999	999	999	0.433	-2	3.268	-1	9.494	-3	1550	58	1.2
9415.6	10000	38.1637	94.5080	-558	WATER	999	999	999	999	999	999	0.433	-2	3.178	-1	9.928	-3	1600	44	1.2
9415.7	10000	38.1644	94.5080	-554	WATER	999	999	999	999	999	999	0.433	-2	3.339	-1	9.337	-3	1638	43	1.2
9415.8	10000	38.1650	94.5080	-550	WATER	999	999	999	999	999	999	0.433	-2	3.549	-1	8.453	-3	1676	43	1.3

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9415.9	10000	38.1657	94.5079	-545	WATER	3.1	999	7.5	999	0.9	999	0.415	999	3.503	999	8.445	999	1708	56	1.3
9416.0	10000	38.1663	94.5079	-538	WATER	3.0	999	7.9	999	0.9	999	0.378	999	3.231	999	8.558	999	1740	40	1.4
9416.1	10000	38.1670	94.5079	-530	WATER	2.9	999	8.0	999	1.0	999	0.359	999	3.021	999	8.409	999	1768	36	1.4
9416.2	10000	38.1677	94.5078	-522	PM	2.9	-1	8.0	-1	1.0	0	0.360	0	2.875	0	7.996	-1	1802	52	1.4
9416.3	10000	38.1683	94.5078	-515	PM	2.9	-1	8.1	-1	1.0	0	0.354	0	2.850	0	8.040	-1	1827	45	1.4
9416.4	10000	38.1690	94.5078	-510	PM	2.9	-1	8.1	-1	1.1	0	0.355	0	2.678	-1	7.546	-1	1867	44	1.4
9416.5	10000	38.1696	94.5078	-500	PM	2.8	-1	8.3	-1	1.1	0	0.339	0	2.451	-1	7.236	-1	1912	40	1.4
9416.6	10000	38.1703	94.5077	-489	PM	3.0	-1	8.5	-1	1.2	1	0.351	0	2.493	-1	7.099	-1	1960	52	1.4
9416.7	10000	38.1710	94.5077	-477	PM	3.2	0	8.6	-1	1.2	1	0.367	0	2.631	-1	7.173	-1	1996	38	1.4
9416.8	10000	38.1716	94.5077	-464	PM	3.4	0	8.7	-1	1.2	1	0.387	1	2.817	0	7.286	-1	2028	47	1.4
9416.9	10000	38.1723	94.5076	-450	PM	3.5	0	9.1	0	1.1	0	0.381	0	3.115	0	8.168	0	2036	47	1.4
9417.0	10000	38.1729	94.5076	-436	PM	3.6	1	9.5	0	1.1	0	0.381	0	3.177	0	8.343	0	2033	38	1.4
9417.1	10000	38.1736	94.5076	-423	PM	3.4	0	9.9	1	1.1	0	0.343	0	3.120	0	9.104	0	2026	58	1.4
9417.2	10000	38.1743	94.5076	-409	PM	3.4	0	10.6	1	1.0	0	0.318	-1	3.313	0	10.411	1	2010	40	1.4
9417.3	10000	38.1749	94.5075	-395	PM	3.2	0	10.7	1	1.0	-1	0.303	-1	3.322	0	10.969	2	1987	44	1.4
9417.4	10000	38.1756	94.5075	-381	PM	3.4	0	10.4	1	0.9	-1	0.325	0	3.594	1	11.057	2	1966	40	1.4
9417.5	10000	38.1762	94.5075	-367	PM	3.3	0	10.5	1	0.9	-1	0.312	-1	3.566	1	11.428	2	1944	46	1.4
9417.6	10000	38.1769	94.5074	-353	PC	3.2	0	10.6	1	0.9	-1	0.302	-1	3.417	1	11.334	2	1923	37	1.4
9417.7	10000	38.1776	94.5074	-339	PC	3.2	0	10.1	1	1.0	0	0.315	0	3.259	0	10.333	1	1924	48	1.4
9417.8	10000	38.1782	94.5074	-326	PC	3.5	0	9.6	0	1.0	0	0.361	0	3.350	0	9.280	0	1928	32	1.4
9417.9	10000	38.1789	94.5074	-312	PC	3.6	1	8.8	0	1.0	0	0.411	1	3.500	1	8.525	0	1936	47	1.5
9418.0	10000	38.1795	94.5073	-299	PC	3.6	1	8.9	0	1.1	0	0.428	1	3.568	1	8.342	0	1958	57	1.5
9418.1	10000	38.1802	94.5073	-286	PC	3.5	0	8.8	0	1.1	0	0.406	1	3.316	0	8.177	0	1969	40	1.5
9418.2	10000	38.1809	94.5073	-276	PC	3.5	0	8.8	0	1.1	0	0.401	1	3.205	0	7.994	-1	1964	46	1.5
9418.3	10000	38.1815	94.5072	-266	PC	3.5	0	8.3	-1	1.1	0	0.418	1	3.138	0	7.502	-1	1970	45	1.5
9418.4	10000	38.1822	94.5072	-257	PC	3.5	0	8.6	0	1.1	0	0.406	1	3.132	0	7.713	-1	1976	52	1.5
9418.5	10000	38.1828	94.5072	-248	PC	3.5	0	8.8	0	1.2	0	0.396	0	2.761	0	7.624	-1	1982	51	1.5
9418.6	10000	38.1835	94.5072	-241	PC	3.5	0	8.8	0	1.2	0	0.396	0	2.504	0	7.676	-1	2007	47	1.5
9418.7	10000	38.1841	94.5071	-236	PC	3.5	0	8.8	0	1.2	0	0.396	0	2.165	0	7.347	-1	2021	56	1.5
9418.8	10000	38.1848	94.5071	-232	PC	3.5	0	8.8	0	1.2	0	0.396	0	2.139	0	7.254	-1	2046	49	1.5
9418.9	10000	38.1855	94.5071	-229	PC	3.5	0	8.8	0	1.2	0	0.396	0	1.901	0	7.311	-1	2086	44	1.5
9419.0	10000	38.1861	94.5071	-227	PC	3.5	0	8.8	0	1.2	0	0.396	0	1.865	0	7.006	-1	2115	34	1.5
9419.1	10000	38.1868	94.5070	-227	PC	3.5	0	8.8	0	1.2	0	0.396	0	1.792	0	7.410	-1	2111	51	1.5
9419.2	10000	38.1874	94.5070	-228	PC	3.5	0	8.8	0	1.2	0	0.396	0	1.149	0	7.611	-1	2107	58	1.5
9419.3	10000	38.1881	94.5070	-230	PC	3.5	0	8.8	0	1.2	0	0.396	0	2.241	0	7.904	-1	2071	43	1.5
9419.4	10000	38.1888	94.5069	-235	PM	3.5	0	8.8	0	1.2	0	0.396	0	2.598	0	8.419	-1	2051	67	1.5
9419.5	10000	38.1894	94.5069	-240	PM	3.5	0	8.8	0	1.2	0	0.396	0	2.747	0	8.783	-1	2032	48	1.5
9419.6	10000	38.1901	94.5069	-247	PM	3.5	0	8.8	0	1.2	0	0.396	0	2.083	0	9.231	-1	2013	47	1.5
9419.7	10000	38.1907	94.5069	-254	PM	3.5	0	8.8	0	1.2	0	0.396	0	2.237	0	9.750	-1	1980	38	1.5
9419.8	10000	38.1914	94.5068	-263	PM	3.5	0	8.8	0	1.2	0	0.396	0	2.458	0	9.908	-1	1982	45	1.5
9419.9	10000	38.1921	94.5068	-273	PM	3.5	0	8.8	0	1.2	0	0.396	0	2.362	0	9.926	-1	1977	53	1.5
9420.0	10000	38.1927	94.5068	-283	PM	3.5	0	8.8	0	1.2	0	0.396	0	2.130	0	9.711	-1	2003	46	1.5
9420.1	10000	38.1934	94.5067	-293	PM	3.5	0	8.8	0	1.2	0	0.396	0	1.905	0	9.216	-1	2022	58	1.5
9420.2	10000	38.1940	94.5067	-304	PM	3.5	0	8.8	0	1.2	0	0.396	0	1.744	0	8.899	-1	2043	47	1.5
9420.3	10000	38.1947	94.5067	-314	PM	3.5	0	8.8	0	1.2	0	0.396	0	1.852	0	8.731	-1	2052	41	1.5
9420.4	10000	38.1954	94.5067	-325	PM	3.5	0	8.8	0	1.2	0	0.396	0	2.060	0	9.421	-1	2078	53	1.5
9420.5	10000	38.1960	94.5066	-336	PM	3.5	0	8.8	0	1.2	0	0.396	0	2.092	0	9.233	-1	2086	44	1.5
9420.6	10000	38.1967	94.5066	-346	PM	3.5	0	8.8	0	1.2	0	0.396	0	2.333	0	9.961	-1	2114	55	1.5
9420.7	10000	38.1973	94.5066	-358	PM	3.5	0	8.8	0	1.2	0	0.396	0	2.024	0	9.802	-1	2115	45	1.5
9420.8	10000	38.1980	94.5065	-369	PM	3.5	0	8.8	0	1.2	0	0.396	0	1.985	0	9.529	-1	2103	46	1.5
9420.9	10000	38.1987	94.5065	-381	PC	3.5	0	8.8	0	1.2	0	0.396	0	1.807	0	8.419	-1	2088	45	1.5
9421.0	10000	38.1993	94.5065	-393	PC	3.4	0	8.8	0	1.2	0	0.396	0	1.807	0	8.419	-1	2097	45	1.5

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9421.1	10000	38.2000	94.5065	-404	PC	3.4	0	10.2	1	1.3	1	0.330	0	2.659	0	8.063	0	2111	38	1.4
9421.2	10000	38.2006	94.5064	-416	PC	3.4	0	10.2	1	1.3	1	0.333	0	2.640	-1	7.922	-1	2128	45	1.4
9421.3	10000	38.2013	94.5064	-427	PC	3.3	0	10.2	1	1.2	1	0.324	0	2.656	0	8.186	0	2120	53	1.4
9421.4	10000	38.2020	94.5064	-437	PC	3.2	0	10.1	1	1.3	1	0.321	0	2.496	-1	7.766	-1	2123	53	1.4
9421.5	10000	38.2026	94.5063	-447	PC	3.0	0	10.4	1	1.4	1	0.285	-1	2.189	-1	7.681	-1	2126	49	1.4
9421.6	10000	38.2033	94.5063	-456	PC	3.0	0	10.7	1	1.4	1	0.281	-1	2.154	-1	7.661	-1	2125	51	1.4
9421.7	10000	38.2039	94.5063	-463	PC	2.9	0	10.8	1	1.3	1	0.271	-1	2.175	-1	8.017	0	2104	46	1.4
9421.8	10000	38.2046	94.5063	-470	PC	2.6	-1	10.3	1	1.3	1	0.256	-1	2.002	-1	7.830	-1	2038	54	1.4
9421.9	10000	38.2053	94.5062	-475	PC	2.5	-1	10.2	1	1.2	1	0.245	-1	2.021	-1	8.251	0	1989	52	1.4
9422.0	10000	38.2059	94.5062	-480	PC	2.7	-1	9.7	1	1.3	1	0.283	-1	2.184	-1	7.730	-1	1975	42	1.4
9422.1	10000	38.2066	94.5062	-484	PC	2.9	0	9.6	1	1.2	1	0.302	-1	2.350	-1	7.775	-1	1977	38	1.4
9422.2	10000	38.2072	94.5061	-486	PC	2.9	0	9.5	1	1.2	1	0.301	-1	2.355	-1	7.820	-1	1985	36	1.4
9422.3	10000	38.2079	94.5061	-489	PC	3.2	0	9.3	1	1.2	1	0.349	0	2.539	-1	7.267	-1	2010	50	1.3
9422.4	10000	38.2085	94.5061	-489	PC	3.0	0	9.3	1	1.3	1	0.318	0	2.316	-1	7.281	-1	2033	51	1.3
9422.5	10000	38.2092	94.5061	-490	PC	2.9	0	9.8	1	1.4	1	0.295	-1	2.060	-1	6.973	-1	2087	43	1.3
9422.6	10000	38.2099	94.5060	-490	PC	2.8	0	9.8	1	1.5	2	0.288	-1	1.850	-2	6.414	-2	2128	47	1.3
9422.7	10000	38.2105	94.5060	-489	PC	2.7	-1	9.8	1	1.6	2	0.267	-1	1.651	-2	6.193	-2	2147	43	1.3
9422.8	10000	38.2112	94.5060	-488	PC	2.7	-1	9.9	1	1.6	2	0.269	-1	1.699	-2	6.311	-2	2149	40	1.3
9422.9	10000	38.2118	94.5060	-486	PC	2.8	0	10.0	1	1.6	2	0.282	-1	1.806	-2	6.414	-2	2137	54	1.3
9423.0	10000	38.2125	94.5059	-484	PC	2.5	-1	10.3	1	1.5	2	0.229	-1	1.600	-2	6.991	-1	2094	58	1.3
9423.1	10000	38.2132	94.5059	-482	PC	2.7	-1	10.2	1	1.5	2	0.245	-1	1.725	-2	7.049	-1	2062	44	1.3
9423.2	10000	38.2138	94.5059	-479	PC	2.7	-1	9.7	1	1.4	1	0.274	-1	2.007	-1	7.318	-1	2033	44	1.3
9423.3	10000	38.2145	94.5058	-476	PC	2.6	-1	9.7	1	1.3	1	0.271	-1	1.994	-1	7.360	-1	2013	50	1.3
9423.4	10000	38.2151	94.5058	-473	PC	2.7	-1	10.2	1	1.3	1	0.261	-1	2.071	-1	7.941	-1	2006	34	1.3
9423.5	10000	38.2158	94.5058	-470	PC	2.6	-1	10.1	1	1.3	1	0.257	-1	2.010	-1	7.824	-1	1979	43	1.3
9423.6	10000	38.2165	94.5058	-467	PC	2.5	-1	9.7	1	1.3	1	0.256	-1	1.953	-1	7.625	-1	1984	46	1.3
9423.7	10000	38.2171	94.5057	-464	PC	2.8	0	9.7	1	1.3	1	0.292	-1	2.138	-1	7.334	-1	2006	50	1.2
9423.8	10000	38.2178	94.5057	-462	PC	2.8	0	9.5	1	1.3	1	0.295	-1	2.138	-1	7.237	-1	2028	44	1.2
9423.9	10000	38.2184	94.5057	-460	PC	3.2	0	9.1	1	1.3	1	0.346	0	2.449	-1	7.079	-1	2018	48	1.2
9424.0	10000	38.2191	94.5056	-458	PC	3.3	0	9.2	1	1.2	1	0.354	0	2.634	-1	7.434	-1	2006	34	1.2
9424.1	10000	38.2198	94.5056	-456	PC	3.3	0	9.6	1	1.2	1	0.344	0	2.730	-1	7.171	-1	1987	55	1.2
9424.2	10000	38.2204	94.5056	-454	PC	3.4	0	9.7	1	1.2	1	0.381	0	2.952	-1	7.534	-1	2005	46	1.2
9424.3	10000	38.2211	94.5056	-453	PC	3.5	0	9.8	1	1.2	1	0.392	0	3.003	-1	7.293	-1	1994	46	1.2
9424.4	10000	38.2217	94.5055	-453	PC	3.6	0	9.8	1	1.2	1	0.412	0	3.085	-1	7.173	-1	1984	45	1.2
9424.5	10000	38.2224	94.5055	-452	PM	3.8	0	9.8	1	1.2	1	0.430	0	3.289	-1	7.134	-1	1977	46	1.2
9424.6	10000	38.2231	94.5055	-453	PM	3.6	0	9.8	1	1.2	1	0.461	0	3.030	-1	7.164	-1	1988	55	1.2
9424.7	10000	38.2237	94.5054	-454	PM	3.9	0	9.8	1	1.2	1	0.423	0	3.389	-1	6.828	-1	1997	41	1.2
9424.8	10000	38.2243	94.5055	-457	PM	4.1	0	9.8	1	1.2	1	0.496	0	3.558	-1	6.631	-2	2010	39	1.2
9424.9	10000	38.2250	94.5055	-460	PM	4.1	0	9.8	1	1.2	1	0.531	0	3.491	-1	6.580	-2	2006	44	1.2
9425.0	10000	38.2256	94.5055	-464	PM	4.1	0	9.8	1	1.2	1	0.508	0	3.611	-1	7.109	-1	2017	41	1.2
9425.1	10000	38.2262	94.5055	-469	PM	4.1	0	9.8	1	1.2	1	0.502	0	3.777	-1	7.520	-1	2046	41	1.2
9425.2	10000	38.2268	94.5055	-474	PM	4.1	0	9.8	1	1.2	1	0.488	0	3.629	-1	7.509	-1	2068	53	1.2
9425.3	10000	38.2274	94.5056	-480	PM	4.2	0	9.8	1	1.2	1	0.452	0	3.808	-1	7.847	-1	2110	44	1.2
9425.4	10000	38.2281	94.5056	-486	PM	4.3	0	9.8	1	1.2	1	0.419	0	3.715	-1	8.225	-1	2153	35	1.2
9425.5	10000	38.2287	94.5056	-493	PM	4.1	0	9.8	1	1.2	1	0.398	0	3.631	-1	8.659	-1	2158	56	1.2
9425.6	10000	38.2293	94.5056	-500	PM	4.2	0	9.8	1	1.2	1	0.382	0	3.736	-1	8.712	-1	2162	53	1.2
9425.7	10000	38.2299	94.5056	-507	PM	4.1	0	9.8	1	1.2	1	0.382	0	3.629	-1	8.178	-1	2154	53	1.2
9425.8	10000	38.2305	94.5056	-514	PM	4.1	0	9.8	1	1.2	1	0.382	0	3.408	-1	8.771	-1	2131	53	1.2
9425.9	10000	38.2311	94.5056	-522	PM	4.1	0	9.8	1	1.2	1	0.382	0	3.340	-1	8.749	-1	2112	41	1.2
9426.0	10000	38.2318	94.5057	-530	PM	4.1	0	9.8	1	1.2	1	0.382	0	3.466	-1	8.554	-1	2083	46	1.2
9426.1	10000	38.2324	94.5057	-539	PM	4.1	0	9.8	1	1.2	1	0.384	0	3.270	-1	8.408	-1	2033	44	1.2
9426.2	10000	38.2330	94.5057	-547	PM	3.5	0	9.8	1	1.2	1	0.359	0	3.078	-1	8.020	-1	1999	48	1.2

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9426.3	10000	38.2336	94.5057	-555	PM	3.2	0	8.9	0	1.1	0	0.363	0	2.917	0	8.032	-1	1959	50	1.1
9426.4	10000	38.2343	94.5057	-563	PM	3.4	0	8.3	-1	1.1	0	0.413	1	3.062	0	7.420	-1	1933	49	1.1
9426.5	10000	38.2349	94.5058	-571	PM	3.3	0	8.3	-1	1.1	0	0.405	1	3.016	0	7.443	-1	1910	51	1.1
9426.6	10000	38.2355	94.5058	-579	PM	3.4	0	8.0	-1	1.1	0	0.426	1	3.018	0	7.085	-1	1895	42	1.1
9426.7	10000	38.2361	94.5058	-587	PM	3.2	0	8.4	-1	1.2	1	0.385	1	2.725	-1	7.077	-1	1905	52	1.1
9426.8	10000	38.2367	94.5058	-594	PM	3.3	0	8.6	-1	1.2	1	0.381	0	2.833	0	7.433	-1	1935	43	1.1
9426.9	10000	38.2374	94.5058	-600	PM	3.5	0	8.7	-1	1.2	1	0.400	1	2.965	0	7.419	-1	2001	38	1.1
9427.0	10000	38.2380	94.5058	-607	PM	3.6	1	8.5	-1	1.2	1	0.425	1	2.972	0	6.993	-1	2076	48	1.1
9427.1	10000	38.2386	94.5058	-613	PM	3.9	1	8.9	-1	1.2	1	0.437	1	3.181	0	7.287	-1	2128	37	1.1
9427.2	10000	38.2392	94.5059	-619	PM	3.9	1	8.8	-1	1.2	1	0.441	1	3.160	0	7.171	-1	2163	49	1.1
9427.3	10000	38.2398	94.5059	-624	PM	4.0	1	9.5	0	1.2	1	0.421	1	3.325	0	7.895	-1	2177	42	1.1
9427.4	10000	38.2404	94.5059	-630	PM	3.9	1	10.1	1	1.2	1	0.389	1	3.276	0	8.427	0	2176	51	1.1
9427.5	10000	38.2411	94.5059	-634	PM	4.0	1	10.3	1	1.2	1	0.384	0	3.265	0	8.510	0	2170	50	1.1
9427.6	10000	38.2417	94.5059	-638	PM	3.8	1	10.5	1	1.2	1	0.361	0	3.173	0	8.785	0	2129	45	1.1
9427.7	10000	38.2423	94.5060	-643	PM	4.0	1	10.7	1	1.2	1	0.371	0	3.380	0	9.116	0	2089	44	1.1
9427.8	10000	38.2429	94.5060	-647	PM	3.7	1	10.4	1	1.2	1	0.355	0	3.141	0	8.850	0	2058	58	1.1
9427.9	10000	38.2435	94.5060	-651	PM	3.7	1	10.6	1	1.1	0	0.351	0	3.317	0	9.459	0	2036	36	1.1
9428.0	10000	38.2442	94.5060	-654	PM	3.7	1	10.1	1	1.1	0	0.364	0	3.272	0	8.984	0	2022	39	1.1
9428.1	10000	38.2448	94.5060	-658	PM	3.7	1	9.7	0	1.1	0	0.375	0	3.266	0	8.711	0	2005	45	1.1
9428.2	10000	38.2454	94.5060	-661	PM	3.3	0	9.4	0	1.1	0	0.351	0	3.001	0	8.539	0	1994	46	1.1
9428.3	10000	38.2460	94.5061	-665	PM	3.5	0	9.4	0	1.1	0	0.370	0	3.222	0	8.703	0	2006	49	1.1
9428.4	10000	38.2466	94.5061	-669	PM	3.3	0	9.4	0	1.1	0	0.350	0	3.065	0	8.763	0	2007	50	1.2
9428.5	10000	38.2473	94.5061	-671	PM	3.1	0	9.4	0	1.1	0	0.330	0	2.892	0	8.755	0	2006	59	1.2
9428.6	10000	38.2479	94.5061	-674	PM	2.9	-1	9.7	0	1.2	0	0.300	-1	2.514	-1	8.388	0	2020	34	1.2
9428.7	10000	38.2485	94.5061	-676	PM	2.8	-1	9.8	0	1.2	1	0.286	-1	2.352	-1	8.236	0	2036	51	1.2
9428.8	10000	38.2491	94.5061	-677	PM	2.8	-1	9.7	0	1.2	1	0.289	-1	2.352	-1	8.139	-1	2043	54	1.2
9428.9	10000	38.2497	94.5061	-678	PM	3.2	0	9.7	0	1.2	1	0.326	0	2.555	-1	7.831	-1	2047	47	1.2
9429.0	10000	38.2504	94.5062	-680	PM	2.9	-1	10.0	1	1.2	1	0.288	-1	2.334	-1	8.091	-1	2028	56	1.2
9429.1	10000	38.2510	94.5062	-680	PM	2.9	-1	9.9	1	1.2	1	0.294	-1	2.413	-1	8.193	-1	2029	49	1.2
9429.2	10000	38.2516	94.5062	-681	PM	2.8	-1	9.8	0	1.2	1	0.350	0	2.818	-1	8.040	-1	2034	54	1.2
9429.3	10000	38.2522	94.5062	-681	PM	2.8	-1	9.8	0	1.2	1	0.411	1	3.314	0	8.056	-1	2035	39	1.2
9429.4	10000	38.2528	94.5062	-681	PM	2.7	-1	9.8	0	1.2	1	0.432	1	3.421	0	7.926	-1	2007	61	1.2
9429.5	10000	38.2535	94.5063	-681	PM	2.7	-1	9.8	0	1.2	1	0.430	1	3.350	0	7.794	-1	1989	47	1.2
9429.6	10000	38.2541	94.5063	-681	PM	2.6	-1	9.8	0	1.2	1	0.414	1	3.243	0	7.843	-1	1966	45	1.2
9429.7	10000	38.2547	94.5063	-680	PM	2.6	-1	9.8	0	1.2	1	0.394	1	3.967	0	7.524	-1	1951	38	1.2
9429.8	10000	38.2553	94.5063	-679	PM	2.7	-1	9.8	0	1.2	1	0.371	1	3.731	0	7.354	-1	1933	42	1.2
9429.9	10000	38.2559	94.5063	-678	PM	2.9	-1	9.8	0	1.2	1	0.334	1	3.597	0	7.786	-1	1930	52	1.2
9430.0	10000	38.2566	94.5063	-677	PM	2.6	-1	9.8	0	1.2	1	0.282	1	3.306	0	7.166	-1	1928	43	1.2
9430.1	10000	38.2572	94.5063	-677	PM	2.6	-1	9.8	0	1.2	1	0.255	1	3.291	0	7.975	0	1949	54	1.2
9430.2	10000	38.2578	94.5064	-676	PM	2.7	-1	9.8	0	1.2	1	0.253	1	3.443	0	8.660	0	1965	45	1.2
9430.3	10000	38.2584	94.5064	-675	PM	2.5	-1	9.8	0	1.2	1	0.224	0	3.267	0	8.125	0	1992	54	1.2
9430.4	10000	38.2590	94.5064	-673	PM	2.7	-1	9.8	0	1.2	1	0.240	0	3.486	0	8.365	0	2040	48	1.2
9430.5	10000	38.2597	94.5064	-672	PM	2.7	-1	9.8	0	1.2	1	0.259	0	3.749	0	8.631	0	2072	52	1.2
9430.6	10000	38.2603	94.5064	-670	PM	2.6	-1	9.8	0	1.2	1	0.243	0	3.614	0	8.768	0	2091	50	1.2
9430.7	10000	38.2609	94.5065	-668	PM	2.5	-1	9.8	0	1.2	1	0.265	0	3.961	0	9.190	0	2081	64	1.2
9430.8	10000	38.2615	94.5065	-665	PM	2.5	-1	9.8	0	1.2	1	0.269	0	4.051	0	9.358	0	2081	53	1.2
9430.9	10000	38.2621	94.5065	-664	PM	2.5	-1	9.8	0	1.2	1	0.279	0	4.029	0	9.850	0	2081	66	1.2
9431.0	10000	38.2627	94.5065	-662	PM	2.6	-1	9.8	0	1.2	1	0.330	0	4.399	0	9.302	0	2089	60	1.2
9431.1	10000	38.2634	94.5065	-658	PM	2.6	-1	9.8	0	1.2	1	0.357	0	4.574	0	9.013	0	2062	37	1.2
9431.2	10000	38.2640	94.5065	-656	PM	2.7	-1	9.8	0	1.2	1	0.344	0	4.416	0	9.025	0	2089	61	1.2
9431.3	10000	38.2646	94.5066	-652	PM	2.6	-1	9.8	0	1.2	1	0.379	0	4.503	0	9.253	0	2062	38	1.2
9431.4	10000	38.2652	94.5066	-648	PM	2.4	-1	9.8	0	1.2	1	0.353	0	4.070	0	8.701	0	2019	55	1.2

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9431.5	10000	38.2658	94.5066	-644	PM	3.1	0	9.3	0	1.1	0	0.334	0	2.696	-1	8.063	-1	2006	47	1.2
9431.6	10000	38.2665	94.5066	-639	PM	3.1	0	9.2	0	1.1	0	0.337	0	2.719	-1	8.077	-1	1983	51	1.2
9431.7	10000	38.2671	94.5066	-634	PM	3.1	0	9.8	0	1.1	0	0.313	-1	2.668	-1	8.534	0	1963	59	1.2
9431.8	10000	38.2677	94.5066	-632	PM	2.8	-1	10.2	1	1.1	0	0.278	-1	2.511	-1	9.033	0	1960	45	1.2
9431.9	10000	38.2683	94.5067	-628	PM	2.9	-1	9.8	0	1.2	1	0.296	-1	2.424	-1	8.201	0	1967	47	1.2
9432.0	10000	38.2689	94.5067	-623	PM	2.9	-1	9.9	0	1.2	1	0.291	-1	2.383	-1	8.186	0	1991	45	1.2
9432.1	10000	38.2696	94.5067	-618	PM	3.1	0	9.8	0	1.2	1	0.313	-1	2.503	-1	7.989	-1	2026	67	1.2
9432.2	10000	38.2702	94.5067	-613	PM	3.3	0	10.0	1	1.2	1	0.329	0	2.765	-1	8.396	0	2039	45	1.2
9432.3	10000	38.2708	94.5067	-608	PM	3.3	0	10.3	1	1.2	1	0.318	-1	2.669	-1	8.399	0	2066	41	1.3
9432.4	10000	38.2714	94.5067	-603	PM	3.3	0	10.1	1	1.2	1	0.325	0	2.662	-1	8.200	0	2080	48	1.3
9432.5	10000	38.2720	94.5068	-598	PM	3.5	0	9.7	0	1.2	1	0.363	0	2.839	0	7.826	-1	2083	51	1.3
9432.6	10000	38.2727	94.5068	-593	PM	3.4	0	10.3	1	1.2	1	0.328	0	2.821	0	8.611	0	2084	47	1.3
9432.7	10000	38.2733	94.5068	-587	PM	3.3	0	10.7	1	1.2	1	0.310	-1	2.748	-1	8.873	0	2095	55	1.3
9432.8	10000	38.2739	94.5068	-582	PM	3.4	0	11.1	2	1.2	1	0.309	-1	2.871	0	9.290	0	2109	48	1.3
9432.9	10000	38.2745	94.5068	-576	PM	3.5	0	10.7	1	1.2	1	0.327	0	2.915	0	8.905	0	2113	38	1.3
9433.0	10000	38.2751	94.5068	-572	PM	3.6	1	10.6	1	1.2	1	0.338	0	3.088	0	9.136	0	2111	51	1.3
9433.1	10000	38.2758	94.5069	-568	PM	3.6	1	10.7	1	1.2	1	0.335	0	3.093	0	9.229	0	2100	51	1.3
9433.2	10000	38.2764	94.5069	-563	PM	3.4	1	10.4	1	1.2	1	0.329	0	2.922	0	8.868	0	2083	42	1.3
9433.3	10000	38.2770	94.5069	-559	PM	3.4	0	9.9	0	1.2	1	0.340	0	2.924	0	8.592	0	2054	36	1.3
9433.4	10000	38.2776	94.5069	-556	PM	3.1	0	9.8	0	1.1	0	0.318	-1	2.729	-1	8.572	0	2017	45	1.3
9433.5	10000	38.2782	94.5069	-552	PM	3.1	0	9.7	0	1.2	1	0.323	0	2.689	-1	8.318	0	1989	31	1.3
9433.6	10000	38.2789	94.5069	-549	PM	3.1	0	9.7	0	1.1	0	0.321	-1	2.728	-1	8.504	0	1979	52	1.3
9433.7	10000	38.2795	94.5070	-546	PM	2.9	-1	9.7	0	1.1	0	0.302	-1	2.637	-1	8.733	0	1955	43	1.3
9433.8	10000	38.2801	94.5070	-543	PM	2.9	-1	9.4	0	1.1	0	0.305	-1	2.611	-1	8.573	0	1940	51	1.3
9433.9	10000	38.2807	94.5070	-540	PM	2.7	-1	10.1	1	1.1	0	0.269	-1	2.540	-1	9.445	0	1951	47	1.3
9434.0	10000	38.2813	94.5070	-538	PM	2.9	-1	10.0	1	1.0	0	0.290	-1	2.808	0	9.688	1	1957	46	1.3
9434.1	10000	38.2820	94.5070	-536	PM	3.1	0	9.9	0	1.0	0	0.313	-1	3.058	0	9.768	1	1984	56	1.3
9434.2	10000	38.2826	94.5070	-533	PM	3.4	0	9.9	0	1.0	0	0.344	0	3.376	0	9.816	1	2003	56	1.3
9434.3	10000	38.2832	94.5071	-531	PM	3.3	0	9.9	0	1.0	0	0.335	0	3.218	0	9.607	1	2031	53	1.3
9434.4	10000	38.2838	94.5071	-528	PM	3.4	0	10.2	1	1.1	0	0.331	0	3.078	0	9.287	1	2069	46	1.3
9434.5	10000	38.2844	94.5071	-526	PM	3.5	0	10.1	1	1.1	0	0.336	0	3.084	0	9.184	1	2107	41	1.3
9434.6	10000	38.2851	94.5071	-523	PM	3.9	1	10.2	1	1.2	1	0.386	0	3.414	0	8.854	1	2133	46	1.3
9434.7	10000	38.2857	94.5071	-520	PM	3.8	0	10.1	1	1.1	0	0.374	0	3.251	0	8.704	1	2151	66	1.3
9434.8	10000	38.2863	94.5071	-517	PM	3.7	0	10.1	1	1.1	0	0.342	0	3.145	0	9.190	1	2146	48	1.3
9434.9	10000	38.2869	94.5072	-514	PM	3.2	0	9.9	0	1.1	0	0.294	-1	2.785	-1	9.465	1	2146	49	1.3
9435.0	10000	38.2875	94.5072	-510	PM	3.4	0	10.2	1	1.1	0	0.302	0	2.994	0	9.905	1	2132	40	1.3
9435.1	10000	38.2882	94.5072	-507	PM	3.5	0	10.2	1	1.1	0	0.314	0	3.181	0	10.120	1	2111	56	1.3
9435.2	10000	38.2888	94.5072	-504	PM	3.3	0	10.1	1	1.1	0	0.288	-1	3.163	-1	10.973	1	2093	45	1.3
9435.3	10000	38.2894	94.5072	-502	PM	3.3	0	10.2	1	1.1	0	0.266	-1	3.889	-1	10.858	1	2059	61	1.3
9435.4	10000	38.2900	94.5072	-499	PM	3.2	0	10.1	1	1.1	0	0.243	-1	3.763	-1	11.358	1	2040	47	1.3
9435.5	10000	38.2906	94.5073	-496	PM	3.0	0	10.1	1	1.1	0	0.287	-1	3.247	-1	11.332	2	2036	50	1.3
9435.6	10000	38.2913	94.5073	-493	PM	3.0	0	10.1	1	1.1	0	0.275	-1	3.067	-1	11.165	2	2025	44	1.3
9435.7	10000	38.2919	94.5073	-491	PM	2.8	0	10.1	1	1.1	0	0.263	-1	2.863	-1	10.897	2	2014	48	1.3
9435.8	10000	38.2925	94.5073	-488	PM	2.8	0	10.1	1	1.1	0	0.248	-1	2.631	-1	10.604	1	2017	47	1.3
9435.9	10000	38.2931	94.5073	-486	PM	2.8	0	10.1	1	1.1	0	0.266	-1	2.712	-1	10.201	1	2009	48	1.3
9436.0	10000	38.2937	94.5073	-484	PM	2.8	0	10.1	1	1.1	0	0.265	-1	2.630	-1	9.910	1	2003	49	1.3
9436.1	10000	38.2943	94.5074	-481	PM	2.8	0	10.1	1	1.1	0	0.286	-1	2.800	-1	9.790	1	2003	47	1.3
9436.2	10000	38.2950	94.5074	-479	PM	2.8	0	10.1	1	1.1	0	0.263	-1	2.538	-1	9.640	1	1991	42	1.3
9436.3	10000	38.2956	94.5074	-477	PM	2.8	0	10.1	1	1.1	0	0.282	-1	2.725	-1	9.662	1	1979	48	1.3
9436.4	10000	38.2962	94.5074	-475	PM	2.8	0	10.1	1	1.1	0	0.276	-1	2.768	-1	10.025	1	1975	47	1.3
9436.5	10000	38.2968	94.5074	-473	PM	2.8	0	10.1	1	1.1	0	0.294	-1	2.937	0	9.997	1	1965	56	1.3
9436.6	10000	38.2974	94.5074	-472	PM	3.0	0	9.8	0	1.1	0	0.306	-1	2.990	0	9.775	1	1960	52	1.3

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9436.7	10000	38.2981	94.5075	-471	PM	3.2	0	10.0	1	1.0	-1	0.317	-1	3.294	0	10.408	1	1958	51	1.4
9436.8	10000	38.2987	94.5075	-470	PM	3.4	0	10.4	1	0.9	-1	0.327	0	3.630	1	11.095	2	1973	64	1.4
9436.9	10000	38.2993	94.5075	-469	PM	3.3	0	10.2	1	0.9	-1	0.327	0	3.518	1	10.747	1	1957	54	1.4
9437.0	10000	38.2999	94.5075	-469	PM	3.2	0	10.1	1	0.9	-1	0.321	-1	3.554	1	11.084	2	1945	45	1.4
9437.1	10000	38.3006	94.5075	-469	PM	3.3	0	10.0	1	0.9	-1	0.333	0	3.588	1	10.781	1	1934	47	1.4
9437.2	10000	38.3012	94.5075	-469	PM	3.2	0	9.8	0	0.9	-1	0.329	0	3.539	1	10.756	1	1923	40	1.4
9437.3	10000	38.3018	94.5076	-469	PM	3.1	0	9.9	0	0.9	-1	0.309	-1	3.406	0	11.019	2	1905	60	1.4
9437.4	10000	38.3024	94.5076	-468	PM	3.1	0	9.8	0	0.9	-1	0.319	-1	3.436	1	10.786	1	1907	43	1.4
9437.5	10000	38.3030	94.5076	-468	PM	2.8	-1	9.4	0	0.9	-1	0.296	-1	3.024	0	10.217	1	1880	49	1.4
9437.6	10000	38.3036	94.5076	-468	PM	2.8	-1	9.8	0	0.9	-1	0.290	-1	3.234	0	11.155	2	1876	48	1.4
9437.7	10000	38.3043	94.5076	-468	PM	3.0	-1	9.9	1	0.9	-1	0.298	-1	3.253	0	10.900	1	1891	58	1.4
9437.8	10000	38.3049	94.5076	-468	PM	3.0	-1	10.1	1	0.9	-1	0.296	-1	3.512	1	11.854	2	1899	43	1.4
9437.9	10000	38.3055	94.5077	-469	PM	3.3	0	10.0	1	0.8	-2	0.331	0	3.905	1	11.796	2	1906	45	1.5
9438.0	10000	38.3061	94.5077	-468	PM	3.3	0	10.0	1	0.9	-1	0.332	0	3.872	1	11.680	2	1918	48	1.5
9438.1	10000	38.3067	94.5077	-468	PM	3.1	0	10.3	1	0.8	-2	0.297	-1	3.855	1	12.970	3	1917	35	1.5
9438.2	10000	38.3074	94.5077	-468	PM	3.2	0	10.3	1	0.8	-2	0.306	-1	3.936	1	12.861	3	1925	62	1.5
9438.3	10000	38.3080	94.5077	-468	PM	3.4	0	10.1	1	0.9	-1	0.336	0	3.908	1	11.645	2	1937	56	1.5
9438.4	10000	38.3086	94.5078	-467	PM	3.2	0	9.9	0	0.9	-1	0.320	-1	3.670	1	11.485	2	1916	45	1.5
9438.5	10000	38.3092	94.5078	-467	PM	3.3	0	9.5	0	0.9	-1	0.345	0	3.717	1	10.765	1	1897	51	1.5
9438.6	10000	38.3098	94.5078	-467	PM	2.9	-1	10.0	1	0.9	-1	0.291	-1	3.248	0	11.161	2	1878	49	1.5
9438.7	10000	38.3105	94.5078	-467	PM	3.0	-1	9.9	0	0.8	-2	0.303	-1	3.523	1	11.634	2	1850	49	1.5
9438.8	10000	38.3111	94.5078	-467	PM	2.8	-1	9.3	0	0.9	-1	0.306	-1	3.230	0	10.566	1	1820	41	1.5
9438.9	10000	38.3117	94.5078	-467	PM	2.8	-1	9.2	0	0.9	-1	0.308	-1	3.267	0	10.592	1	1786	37	1.5
9439.0	10000	38.3123	94.5078	-467	PM	2.6	-1	9.2	0	0.8	-2	0.278	-1	3.035	0	10.907	1	1769	47	1.5
9439.1	10000	38.3129	94.5079	-467	PM	2.7	-1	9.2	0	0.8	-2	0.296	-1	3.337	0	11.264	2	1759	48	1.5
9439.2	10000	38.3136	94.5079	-467	PM	2.6	-1	9.5	0	0.9	-1	0.274	-1	3.013	0	11.014	2	1768	50	1.5
9439.3	10000	38.3142	94.5079	-468	PM	2.8	-1	9.3	0	0.9	-1	0.300	-1	3.356	1	11.170	2	1765	54	1.5
9439.4	10000	38.3148	94.5079	-469	PM	2.7	-1	9.3	0	0.8	-2	0.292	-1	3.134	1	10.723	2	1777	38	1.5
9439.5	10000	38.3154	94.5079	-469	PM	3.0	-1	9.1	0	0.9	-1	0.327	0	3.436	1	10.521	1	1801	49	1.5
9439.6	10000	38.3160	94.5079	-472	PM	2.8	-1	9.3	0	0.9	-1	0.319	-1	3.322	1	10.409	1	1815	38	1.5
9439.7	10000	38.3167	94.5080	-474	PM	2.8	-1	9.3	0	0.9	-1	0.298	-1	3.099	1	10.051	1	1840	44	1.5
9439.8	10000	38.3173	94.5080	-478	PM	2.8	-1	9.3	0	0.9	-1	0.299	-1	2.993	1	9.092	0	1875	60	1.6
9439.9	10000	38.3179	94.5080	-482	PM	2.8	-1	9.3	0	0.9	-1	0.308	-1	2.722	1	8.590	0	1877	52	1.6
9440.0	10000	38.3185	94.5080	-486	PM	2.8	-1	9.3	0	0.9	-1	0.302	-1	2.649	1	8.724	0	1901	52	1.6
9440.1	10000	38.3191	94.5080	-491	PM	2.8	-1	9.3	0	0.9	-1	0.290	-1	2.633	1	8.735	0	1919	38	1.6
9440.2	10000	38.3198	94.5080	-495	PM	2.7	-1	9.3	0	0.9	-1	0.281	-1	2.535	1	8.539	0	1931	42	1.6
9440.3	10000	38.3204	94.5081	-499	PM	2.7	-1	9.3	0	0.9	-1	0.281	-1	2.403	1	8.201	0	1954	51	1.6
9440.4	10000	38.3210	94.5081	-503	PM	2.7	-1	9.3	0	0.9	-1	0.281	-1	2.306	1	7.730	0	1953	48	1.6
9440.5	10000	38.3216	94.5081	-505	PM	2.7	-1	9.3	0	0.9	-1	0.350	0	2.704	1	8.432	0	1954	55	1.6
9440.6	10000	38.3222	94.5081	-507	PM	2.7	-1	9.3	0	0.9	-1	0.345	0	2.913	1	8.423	0	1948	50	1.6
9440.7	10000	38.3229	94.5081	-507	PM	2.7	-1	9.3	0	0.9	-1	0.335	0	2.990	1	8.874	0	1937	44	1.6
9440.8	10000	38.3235	94.5081	-507	PM	2.7	-1	9.3	0	0.9	-1	0.335	0	2.641	1	7.658	0	1937	52	1.6
9440.9	10000	38.3241	94.5082	-506	PM	2.7	-1	9.3	0	0.9	-1	0.363	0	2.776	1	7.763	0	1935	43	1.6
9441.0	10000	38.3247	94.5082	-504	PM	2.7	-1	9.3	0	0.9	-1	0.341	0	2.645	1	7.778	0	1935	53	1.6
9441.1	10000	38.3253	94.5082	-501	PM	2.7	-1	9.3	0	0.9	-1	0.338	0	2.627	1	7.481	0	1936	41	1.6
9441.2	10000	38.3260	94.5082	-498	PM	2.7	-1	9.3	0	0.9	-1	0.327	0	2.769	1	8.177	0	1932	46	1.6
9441.3	10000	38.3266	94.5082	-494	PM	2.7	-1	9.3	0	0.9	-1	0.322	0	2.636	1	8.540	0	1936	53	1.6
9441.4	10000	38.3272	94.5082	-490	PM	2.7	-1	9.3	0	0.9	-1	0.325	0	2.778	1	8.486	0	1936	57	1.6
9441.5	10000	38.3279	94.5081	-485	PM	2.7	-1	9.3	0	0.9	-1	0.363	0	3.079	1	8.350	0	1947	50	1.6
9441.6	10000	38.3285	94.5081	-480	PM	2.7	-1	9.3	0	0.9	-1	0.342	0	2.858	1	7.922	0	1943	49	1.6
9441.7	10000	38.3292	94.5081	-475	PM	2.7	-1	9.3	0	0.9	-1	0.369	0	2.920	1	7.998	0	1941	47	1.6
9441.8	10000	38.3298	94.5081	-469	PM	2.9	-1	9.3	0	0.9	-1	0.358	0	2.861	1	7.486	0	1930	54	1.6

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9441.9	10000	38.3305	94.5081	-464	PM	3.1	0	8.6	-1	1.1	0	0.361	0	2.758	-1	7.638	-1	1926	54	1.6
9442.0	10000	38.3311	94.5080	-460	PM	2.9	-1	8.8	-1	1.2	1	0.333	0	2.514	-1	7.544	-1	1938	60	1.6
9442.1	10000	38.3318	94.5080	-455	PM	2.9	-1	9.2	0	1.2	1	0.314	-1	2.481	-1	7.904	-1	1947	48	1.6
9442.2	10000	38.3324	94.5080	-451	PM	3.3	0	9.1	0	1.2	1	0.360	0	2.815	0	7.829	-1	1943	40	1.6
9442.3	10000	38.3331	94.5080	-447	PM	3.3	0	9.0	0	1.1	0	0.372	0	2.929	0	7.871	-1	1929	41	1.6
9442.4	10000	38.3337	94.5079	-443	PM	3.5	0	8.7	-1	1.1	0	0.402	1	3.164	0	7.872	-1	1940	42	1.6
9442.5	10000	38.3344	94.5079	-440	PM	3.4	0	8.7	-1	1.1	0	0.386	1	2.981	0	7.716	-1	1961	50	1.6
9442.6	10000	38.3350	94.5079	-438	PM	3.2	0	8.7	-1	1.2	1	0.367	0	2.741	-1	7.470	-1	1966	48	1.6
9442.7	10000	38.3357	94.5079	-437	PM	3.1	0	8.5	-1	1.2	1	0.370	0	2.644	-1	7.151	-1	1977	57	1.6
9442.8	10000	38.3363	94.5079	-436	PM	3.0	-1	8.4	-1	1.2	1	0.358	0	2.427	-1	6.773	-2	1995	50	1.6
9442.9	10000	38.3370	94.5078	-438	PM	2.9	-1	8.4	-1	1.3	1	0.342	0	2.214	-1	6.483	-2	2015	48	1.6
9443.0	10000	38.3376	94.5078	-440	PM	3.0	-1	8.8	-1	1.3	2	0.337	0	2.244	-1	6.664	-2	2050	38	1.6
9443.1	10000	38.3383	94.5078	-443	PM	3.2	0	9.1	0	1.4	2	0.350	0	2.352	-1	6.718	-2	2069	33	1.6
9443.2	10000	38.3389	94.5078	-448	PM	3.2	0	9.3	0	1.3	2	0.343	0	2.415	-1	7.032	-1	2069	37	1.6
9443.3	10000	38.3396	94.5077	-453	PM	3.2	0	9.7	0	1.3	2	0.328	0	2.355	-1	7.174	-1	2082	51	1.6
9443.4	10000	38.3402	94.5077	-459	PM	3.1	0	10.0	1	1.3	2	0.314	-1	2.381	-1	7.586	-1	2080	38	1.6
9443.5	10000	38.3409	94.5077	-465	PM	3.3	0	10.0	1	1.2	1	0.328	0	2.637	-1	8.040	-1	2074	40	1.6
9443.6	10000	38.3415	94.5077	-471	PM	3.4	0	10.4	1	1.1	0	0.330	0	3.016	0	9.137	0	2067	42	1.6
9443.7	10000	38.3421	94.5076	-477	PM	3.3	0	10.6	1	1.1	0	0.316	-1	3.079	0	9.741	1	2047	49	1.6
9443.8	10000	38.3428	94.5076	-482	PM	3.0	-1	10.1	1	1.1	0	0.292	-1	2.770	-1	9.482	0	2016	59	1.6
9443.9	10000	38.3434	94.5076	-487	PM	3.0	-1	10.2	1	1.1	0	0.293	-1	2.812	0	9.608	1	2001	45	1.6
9444.0	10000	38.3441	94.5076	-491	PM	2.8	-1	10.1	1	1.0	0	0.276	-1	2.757	-1	9.993	1	1984	54	1.6
9444.1	10000	38.3447	94.5076	-495	PM	2.9	-1	9.9	0	1.0	-1	0.295	-1	3.002	0	10.181	1	1974	50	1.6
9444.2	10000	38.3454	94.5075	-499	PM	2.7	-1	10.0	1	1.0	0	0.276	-1	2.716	-1	9.854	1	1974	52	1.6
9444.3	10000	38.3460	94.5075	-502	PM	2.7	-1	9.9	0	1.0	0	0.275	-1	2.585	-1	9.403	0	1979	51	1.5
9444.4	10000	38.3467	94.5075	-505	PM	2.7	-1	10.0	1	1.1	0	0.274	-1	2.573	-1	9.391	0	1983	53	1.5
9444.5	10000	38.3473	94.5075	-508	PM	2.9	-1	10.3	1	1.0	0	0.286	-1	2.838	0	9.926	1	1992	47	1.5
9444.6	10000	38.3480	94.5074	-511	PM	3.1	0	10.2	1	1.0	0	0.304	-1	3.019	0	9.929	1	1996	37	1.5
9444.7	10000	38.3486	94.5074	-513	PM	3.1	0	10.1	1	1.0	0	0.311	-1	3.030	0	9.732	1	1999	47	1.5
9444.8	10000	38.3493	94.5074	-515	PM	3.1	0	10.1	1	1.0	0	0.313	-1	3.067	0	9.804	1	1989	46	1.5
9444.9	10000	38.3499	94.5074	-517	PM	3.2	0	10.3	1	1.0	0	0.315	-1	3.252	0	10.313	1	1978	53	1.5
9445.0	10000	38.3506	94.5074	-519	PM	3.3	0	10.2	1	1.0	0	0.333	-1	3.437	0	10.329	1	1959	37	1.5
9445.1	10000	38.3512	94.5073	-521	PM	3.4	0	10.1	1	1.0	0	0.334	-1	3.457	0	10.347	1	1960	42	1.5
9445.2	10000	38.3519	94.5073	-522	PM	3.3	0	10.1	1	1.0	0	0.338	-1	3.467	0	10.259	1	1951	40	1.5
9445.3	10000	38.3525	94.5073	-524	PM	3.3	0	10.1	1	1.0	0	0.325	-1	3.500	0	10.757	1	1949	39	1.5
9445.4	10000	38.3532	94.5073	-524	PM	3.4	0	9.8	1	0.9	0	0.349	-1	3.767	0	10.805	1	1928	47	1.5
9445.5	10000	38.3538	94.5072	-524	PM	3.4	0	9.7	1	0.9	0	0.374	-1	4.087	0	10.929	1	1937	44	1.5
9445.6	10000	38.3545	94.5072	-524	PM	3.4	0	9.3	1	0.9	0	0.403	-1	4.293	0	10.640	1	1941	37	1.5
9445.7	10000	38.3551	94.5072	-523	PM	3.4	0	9.9	1	0.9	0	0.360	-1	3.952	0	10.979	1	1945	48	1.5
9445.8	10000	38.3558	94.5072	-522	PM	3.4	0	9.6	1	0.9	0	0.359	-1	3.853	0	10.718	1	1937	53	1.5
9445.9	10000	38.3564	94.5072	-521	PM	3.4	0	9.6	1	0.9	0	0.383	-1	4.164	0	10.878	1	1940	38	1.5
9446.0	10000	38.3570	94.5071	-520	PM	3.4	0	9.5	1	0.9	0	0.385	-1	4.163	0	10.802	1	1953	53	1.5
9446.1	10000	38.3577	94.5071	-517	PM	3.4	0	9.7	1	0.9	0	0.410	-1	4.353	0	10.612	1	1994	51	1.5
9446.2	10000	38.3583	94.5071	-515	PM	3.4	0	9.6	1	0.9	0	0.399	-1	4.114	0	10.298	1	1996	57	1.5
9446.3	10000	38.3590	94.5071	-512	PM	3.4	0	9.7	1	0.9	0	0.378	-1	4.037	0	10.675	1	1989	54	1.5
9446.4	10000	38.3596	94.5070	-508	PM	3.4	0	9.6	1	0.9	0	0.389	-1	4.003	0	10.279	1	1989	44	1.5
9446.5	10000	38.3603	94.5070	-504	PM	3.4	0	9.7	1	0.9	0	0.380	-1	3.799	0	9.996	1	1990	47	1.5
9446.6	10000	38.3609	94.5070	-498	PM	3.4	0	9.6	1	0.9	0	0.359	-1	3.475	0	9.678	1	1998	43	1.5
9446.7	10000	38.3616	94.5070	-493	PM	3.4	0	9.6	1	0.9	0	0.366	-1	3.461	0	9.444	0	1992	47	1.5
9446.8	10000	38.3622	94.5070	-487	PM	3.4	0	9.6	1	0.9	0	0.354	-1	3.026	0	9.054	0	1975	47	1.5
9446.9	10000	38.3629	94.5069	-481	PM	3.4	0	9.6	1	0.9	0	0.312	-1	2.858	0	9.153	0	1964	51	1.5
9447.0	10000	38.3635	94.5069	-474	PM	3.0	0	10.1	1	1.1	0	0.300	-1	2.655	-1	8.844	0	1971	49	1.5

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9447.1	10000	38.3642	94.5069	-468	PM	2.9	-1	10.1	1	1.1	0	0.282	-1	2.511	-1	8.911	0	1974	57	1.5
9447.2	10000	38.3648	94.5069	-462	PM	2.6	-1	10.2	1	1.1	0	0.253	-2	2.383	-1	9.401	0	1975	41	1.5
9447.3	10000	38.3655	94.5068	-456	PM	2.4	-2	10.7	1	1.0	0	0.225	-2	2.343	-1	10.391	1	1966	51	1.5
9447.4	10000	38.3661	94.5068	-448	PM	2.2	-2	10.7	1	1.0	0	0.204	-2	2.119	-2	10.379	1	1954	56	1.5
9447.5	10000	38.3668	94.5068	-441	PM	2.4	-2	10.7	1	1.0	-1	0.225	-2	2.438	-1	10.823	1	1937	40	1.5
9447.6	10000	38.3674	94.5068	-434	PM	2.4	-2	10.7	1	1.0	-1	0.222	-2	2.430	-1	10.966	2	1922	36	1.5
9447.7	10000	38.3681	94.5067	-426	PM	2.2	-2	9.9	0	0.9	-1	0.220	-2	2.523	-1	11.455	2	1843	31	1.5
9447.8	10000	38.3687	94.5067	-417	PM	2.1	-2	9.5	0	0.8	-2	0.227	-2	2.758	-1	12.155	2	1739	44	1.5
9447.9	10000	38.3694	94.5067	-408	PM	2.3	-2	8.6	-1	0.7	-2	0.270	-1	3.280	0	12.141	2	1632	56	1.6
9448.0	10000	38.3700	94.5067	-400	PM	2.3	-2	7.8	-2	0.7	-3	0.301	-1	3.547	1	11.766	2	1549	50	1.6
9448.1	10000	38.3707	94.5067	-390	PM	2.6	-1	7.4	-2	0.6	-3	0.346	0	4.062	1	11.739	2	1512	52	1.5
9448.2	10000	38.3713	94.5066	-380	PM	2.4	-2	7.3	-2	0.6	-3	0.335	0	4.023	1	11.995	2	1497	44	1.5
9448.3	10000	38.3719	94.5066	-371	PM	2.5	-2	7.2	-2	0.6	-3	0.349	0	3.874	1	11.109	2	1504	35	1.6
9448.4	10000	38.3726	94.5066	-362	PM	2.6	-1	7.5	-2	0.7	-2	0.354	0	3.701	1	10.451	1	1563	50	1.6
9448.5	10000	38.3732	94.5066	-353	PM	2.7	-1	7.7	-2	0.8	-2	0.349	0	3.339	0	9.562	1	1659	51	1.6
9448.6	10000	38.3739	94.5065	-347	PM	2.8	-1	8.3	-1	0.9	-1	0.337	0	3.208	0	9.513	0	1778	43	1.6
9448.7	10000	38.3745	94.5065	-341	PM	2.7	-1	8.9	-1	1.0	-1	0.305	-1	2.753	-1	9.017	0	1881	51	1.6
9448.8	10000	38.3752	94.5065	-337	PM	2.8	-1	9.2	0	1.0	0	0.300	-1	2.740	-1	9.127	0	1936	52	1.6
9448.9	10000	38.3758	94.5065	-335	PM	2.6	-1	9.5	0	1.0	0	0.280	-1	2.612	-1	9.322	0	1966	43	1.6
9449.0	10000	38.3765	94.5065	-335	PM	2.7	-1	9.8	0	1.0	0	0.269	-1	2.628	-1	9.779	1	1983	45	1.6
9449.1	10000	38.3771	94.5064	-337	PM	2.7	-1	10.4	1	1.0	-1	0.262	-1	2.754	-1	10.528	1	2005	51	1.6
9449.2	10000	38.3778	94.5064	-340	PM	2.8	-1	10.9	1	1.0	-1	0.261	-1	2.974	0	11.393	1	2016	47	1.6
9449.3	10000	38.3784	94.5064	-344	PM	3.1	0	10.7	1	1.0	-1	0.289	-1	3.182	0	11.027	2	2024	57	1.6
9449.4	10000	38.3791	94.5064	-348	PM	3.3	0	10.7	1	0.9	-1	0.313	-1	3.570	1	11.398	2	2025	50	1.6
9449.5	10000	38.3797	94.5063	-351	PM	3.3	0	10.5	1	1.0	-1	0.317	-1	3.353	0	10.585	1	2024	65	1.6
9449.6	10000	38.3804	94.5063	-354	PM	3.3	0	10.4	1	1.0	0	0.320	-1	3.163	0	9.889	1	2036	44	1.6
9449.7	10000	38.3810	94.5063	-357	PM	3.1	0	10.5	1	1.1	0	0.300	-1	2.969	0	9.910	1	2031	51	1.6
9449.8	10000	38.3817	94.5063	-358	PM	3.2	0	9.9	0	1.1	0	0.327	0	2.937	0	8.988	0	2037	43	1.6
9449.9	10000	38.3823	94.5063	-359	PM	3.2	0	9.4	0	1.1	0	0.344	0	2.857	0	8.309	0	2052	55	1.6
9450.0	10000	38.3830	94.5062	-358	PM	3.5	0	9.7	0	1.1	0	0.364	0	3.134	0	8.600	0	2065	49	1.6
9450.1	10000	38.3836	94.5062	-357	PM	3.5	0	9.5	0	1.1	0	0.372	0	3.179	0	8.553	0	2072	34	1.6
9450.2	10000	38.3843	94.5062	-355	PM	3.6	0	9.6	0	1.1	0	0.374	0	3.138	0	8.397	0	2087	55	1.6
9450.3	10000	38.3849	94.5062	-353	PM	3.8	0	9.8	0	1.1	0	0.368	0	3.223	0	8.757	0	2081	46	1.6
9450.4	10000	38.3856	94.5061	-350	PM	3.7	0	9.9	0	1.1	0	0.409	0	3.363	0	8.233	0	2089	37	1.6
9450.5	10000	38.3862	94.5061	-347	PM	3.7	0	9.9	0	1.1	0	0.381	0	3.345	0	8.778	0	2083	48	1.6
9450.6	10000	38.3868	94.5061	-343	PP	3.7	0	9.9	0	1.1	0	0.378	0	3.237	0	8.564	0	2082	51	1.6
9450.7	10000	38.3875	94.5061	-339	PP	3.7	0	9.9	0	1.1	0	0.301	0	2.502	0	8.318	0	2073	43	1.6
9450.8	10000	38.3881	94.5061	-335	PP	3.6	0	9.8	0	1.1	0	0.270	-1	2.194	0	8.120	0	2070	46	1.7
9450.9	10000	38.3888	94.5060	-330	PP	3.6	0	9.8	0	1.1	0	0.259	-1	2.061	-1	7.947	0	2067	52	1.7
9451.0	10000	38.3894	94.5060	-324	PP	3.6	0	9.8	0	1.1	0	0.262	-1	2.051	-1	7.827	0	2084	48	1.7
9451.1	10000	38.3901	94.5060	-319	PP	3.6	0	9.8	0	1.1	0	0.259	-1	2.062	-1	7.829	0	2091	40	1.7
9451.2	10000	38.3907	94.5060	-314	PP	3.5	0	9.8	0	1.1	0	0.247	-1	2.039	-2	7.840	0	2102	40	1.7
9451.3	10000	38.3914	94.5059	-308	PP	3.5	0	9.8	0	1.1	0	0.258	-1	2.058	-2	7.852	0	2102	50	1.7
9451.4	10000	38.3920	94.5059	-304	PP	3.5	0	9.8	0	1.1	0	0.277	-1	2.124	-1	7.659	0	2107	49	1.7
9451.5	10000	38.3927	94.5059	-299	PP	3.5	0	9.8	0	1.1	0	0.310	-1	2.347	-1	7.561	0	2106	52	1.7
9451.6	10000	38.3933	94.5059	-294	PP	3.5	0	9.8	0	1.1	0	0.313	-1	2.530	-1	7.076	0	2099	44	1.7
9451.7	10000	38.3940	94.5058	-291	PP	3.5	0	9.8	0	1.1	0	0.324	-1	2.503	-1	7.792	0	2085	54	1.7
9451.8	10000	38.3946	94.5058	-288	PP	3.5	0	9.8	0	1.1	0	0.309	-1	2.465	-1	7.602	0	2072	48	1.7
9451.9	10000	38.3953	94.5058	-285	PP	3.5	0	9.8	0	1.1	0	0.287	-1	2.342	-1	7.588	0	2055	41	1.7
9452.0	10000	38.3959	94.5058	-282	PP	3.5	0	9.8	0	1.1	0	0.278	-1	2.384	-1	7.313	0	2029	46	1.7
9452.1	10000	38.3966	94.5058	-279	PP	3.5	0	9.8	0	1.1	0	0.272	-1	2.335	-1	7.389	0	2002	58	1.7
9452.2	10000	38.3972	94.5057	-277	PP	3.5	0	9.8	0	1.1	0	0.272	-1	2.394	-1	7.809	0	1982	56	1.7

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9452.3	10000	38.3979	94.5057	-276	PP	2.6	-1	9.7	1	1.1	0	0.264	-1	2.360	-1	8.948	1	1987	45	1.7
9452.4	10000	38.3985	94.5057	-273	PP	2.6	-1	10.2	1	1.1	0	0.255	-1	2.418	-1	9.482	1	1984	62	1.7
9452.5	10000	38.3992	94.5057	-271	PP	2.7	-1	10.0	1	1.0	0	0.275	-1	2.643	-1	9.628	1	1985	38	1.7
9452.6	10000	38.3998	94.5056	-270	PP	2.8	-1	9.7	0	1.1	0	0.284	-1	2.571	-1	9.053	1	1987	59	1.7
9452.7	10000	38.4005	94.5056	-266	PP	2.5	-1	9.7	1	1.1	0	0.260	-1	2.312	-1	8.887	0	2006	55	1.7
9452.8	10000	38.4011	94.5056	-263	PP	2.7	-1	10.2	1	1.1	0	0.267	-1	2.379	-1	8.925	0	2029	49	1.7
9452.9	10000	38.4017	94.5056	-260	PP	2.6	-1	10.3	1	1.2	0	0.254	-1	2.234	-1	8.798	0	2047	40	1.7
9453.0	10000	38.4024	94.5056	-256	PP	2.7	-1	10.3	1	1.2	0	0.264	-1	2.359	-1	8.943	1	2033	65	1.7
9453.1	10000	38.4030	94.5055	-252	PP	2.7	-1	10.0	1	1.1	0	0.269	-1	2.380	-1	8.852	0	2021	45	1.7
9453.2	10000	38.4037	94.5055	-248	PP	2.7	-1	10.3	1	1.2	0	0.263	-1	2.328	-1	8.851	0	2039	54	1.7
9453.3	10000	38.4043	94.5055	-244	PP	2.6	-1	10.4	1	1.1	0	0.249	-1	2.308	-1	9.257	1	2048	42	1.7
9453.4	10000	38.4050	94.5055	-239	PP	2.7	-1	10.7	1	1.2	0	0.251	-1	2.325	-1	9.255	1	2074	44	1.7
9453.5	10000	38.4056	94.5054	-235	PP	2.4	-2	10.8	1	1.2	0	0.219	-2	2.015	-1	9.207	1	2079	44	1.7
9453.6	10000	38.4063	94.5054	-230	PP	2.3	-2	10.6	1	1.2	0	0.215	-2	1.945	-2	9.032	1	2077	44	1.7
9453.7	10000	38.4069	94.5054	-226	PP	2.4	-2	10.5	1	1.2	0	0.229	-2	2.053	-1	8.963	1	2090	39	1.7
9453.8	10000	38.4076	94.5054	-222	PM	2.4	-2	10.7	1	1.2	1	0.229	-2	1.996	-2	8.728	0	2122	49	1.7
9453.9	10000	38.4082	94.5054	-218	PM	2.6	-1	10.6	1	1.2	1	0.243	-2	2.167	-1	8.932	0	2109	49	1.7
9454.0	10000	38.4089	94.5053	-214	PM	2.5	-1	10.5	1	1.2	1	0.241	-2	2.185	-1	9.065	0	2088	43	1.7
9454.1	10000	38.4095	94.5053	-210	PM	2.8	-1	10.3	1	1.1	0	0.271	-1	2.456	-1	9.050	0	2057	56	1.7
9454.2	10000	38.4102	94.5053	-208	PM	3.0	-1	10.1	1	1.1	0	0.299	-1	2.726	-1	9.119	0	2022	40	1.7
9454.3	10000	38.4108	94.5053	-205	PM	2.9	-1	10.0	1	1.1	0	0.293	-1	2.659	-1	9.066	0	1998	51	1.7
9454.4	10000	38.4115	94.5052	-203	PM	2.8	-1	9.8	0	1.1	0	0.281	-1	2.412	-1	8.591	0	1971	53	1.7
9454.5	10000	38.4121	94.5052	-202	PM	2.8	-1	9.7	0	1.1	0	0.286	-1	2.546	-1	8.889	0	1927	54	1.7
9454.6	10000	38.4128	94.5052	-201	PM	2.7	-1	9.4	0	1.1	0	0.284	-1	2.442	-1	8.586	0	1913	43	1.7
9454.7	10000	38.4134	94.5052	-201	PM	2.6	-1	9.1	0	1.1	0	0.290	-1	2.351	-1	8.115	-1	1923	40	1.7
9454.8	10000	38.4141	94.5052	-200	PM	2.6	-1	9.2	0	1.1	0	0.279	-1	2.299	-1	8.250	0	1904	55	1.7
9454.9	10000	38.4147	94.5051	-202	PM	2.7	-1	9.6	0	1.1	0	0.279	-1	2.420	-1	7.808	-1	1914	57	1.7
9455.0	10000	38.4154	94.5051	-206	PM	2.7	-1	9.5	0	1.1	0	0.284	-1	2.411	-1	7.665	-1	1918	52	1.7
9455.1	10000	38.4160	94.5051	-209	PM	2.7	-1	9.8	0	1.1	0	0.276	-1	2.127	-1	7.644	-1	1929	46	1.7
9455.2	10000	38.4166	94.5051	-212	PP	2.7	-2	9.8	0	1.1	0	0.276	-1	1.988	-2	7.372	-1	1939	46	1.7
9455.3	10000	38.4173	94.5050	-214	PP	2.7	-2	9.8	0	1.1	0	0.276	-1	2.081	-1	7.295	-1	1928	42	1.7
9455.4	10000	38.4179	94.5050	-217	PP	2.7	-2	9.8	0	1.1	0	0.276	-1	2.330	-1	7.461	-1	1922	42	1.7
9455.5	10000	38.4186	94.5050	-221	PP	2.7	-2	9.8	0	1.1	0	0.276	-1	2.333	-1	7.235	-1	1924	34	1.7
9455.6	10000	38.4192	94.5050	-225	PP	2.7	-2	9.8	0	1.1	0	0.276	-1	2.236	-1	7.162	-1	1923	45	1.7
9455.7	10000	38.4199	94.5049	-228	PP	2.7	-2	9.8	0	1.1	0	0.276	-1	2.458	-1	7.437	-1	1936	49	1.7
9455.8	10000	38.4205	94.5049	-232	PP	2.7	-2	9.8	0	1.1	0	0.276	-1	2.581	-1	7.809	0	1938	48	1.7
9455.9	10000	38.4212	94.5049	-235	PP	2.7	-2	9.8	0	1.1	0	0.276	-1	2.891	-1	7.071	0	1954	38	1.7
9456.0	10000	38.4218	94.5049	-239	PP	2.7	-2	9.8	0	1.1	0	0.276	-1	2.869	-1	7.724	0	1978	55	1.7
9456.1	10000	38.4225	94.5049	-243	PP	2.7	-2	9.8	0	1.1	0	0.276	-1	2.700	-1	8.095	0	1992	40	1.7
9456.2	10000	38.4231	94.5048	-246	PP	2.7	-2	9.8	0	1.1	0	0.276	-1	2.781	-1	8.488	0	1994	54	1.7
9456.3	10000	38.4238	94.5048	-249	PP	2.7	-2	9.8	0	1.1	0	0.276	-1	2.779	-1	8.384	0	1992	52	1.7
9456.4	10000	38.4244	94.5048	-252	PP	2.7	-2	9.8	0	1.1	0	0.276	-1	2.551	-1	8.116	1	1993	64	1.7
9456.5	10000	38.4251	94.5048	-256	PP	2.7	-2	9.8	0	1.1	0	0.276	-1	2.906	-1	8.267	1	1995	46	1.7
9456.6	10000	38.4257	94.5047	-258	PP	2.7	-2	9.8	0	1.1	0	0.276	-1	2.732	-1	8.423	1	1993	64	1.7
9456.7	10000	38.4264	94.5047	-260	PK	2.7	-2	9.8	0	1.1	0	0.276	-1	2.561	-1	9.897	1	2001	49	1.7
9456.8	10000	38.4270	94.5047	-263	PK	2.7	-2	9.8	0	1.1	0	0.276	-1	2.727	-1	9.917	1	2007	47	1.7
9456.9	10000	38.4277	94.5047	-265	PK	2.7	-2	9.8	0	1.1	0	0.276	-1	2.911	-1	9.475	1	2025	58	1.7
9457.0	10000	38.4283	94.5047	-266	PK	2.7	-2	9.8	0	1.1	0	0.276	-1	2.924	-1	9.672	1	2032	45	1.7
9457.1	10000	38.4290	94.5046	-268	PK	2.7	-2	9.8	0	1.1	0	0.276	-1	2.926	-1	9.925	1	2029	62	1.7
9457.2	10000	38.4296	94.5046	-269	PK	2.7	-2	9.8	0	1.1	0	0.276	-1	2.687	-1	9.687	1	2032	43	1.7
9457.3	10000	38.4303	94.5046	-273	PK	2.7	-2	9.8	0	1.1	0	0.276	-1	2.628	-1	9.628	1	2036	51	1.7
9457.4	10000	38.4309	94.5046	-275	PK	2.7	-2	9.8	0	1.1	0	0.276	-1	2.682	-1	9.682	1	2032	52	1.6

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9457.5	10000	38.4315	94.5046	-277	PKC	3.5	0	8.9	0	1.0	-1	0.393	0	3.343	1	8.498	0	2027	41	1.6
9457.6	10000	38.4321	94.5047	-277	PKC	3.6	0	8.9	0	1.1	0	0.402	1	3.370	1	8.389	0	2031	43	1.6
9457.7	10000	38.4327	94.5048	-279	PKC	3.5	0	9.1	0	1.1	0	0.387	0	3.306	1	8.533	0	2032	55	1.6
9457.8	10000	38.4333	94.5049	-280	PKC	3.4	0	9.2	0	1.1	0	0.375	0	3.238	0	8.624	0	2045	49	1.6
9457.9	10000	38.4339	94.5049	-281	PKC	3.2	0	9.6	0	1.1	0	0.328	0	2.983	0	9.087	1	2035	45	1.6
9458.0	10000	38.4345	94.5050	-282	PKC	3.3	0	9.7	0	1.1	0	0.340	0	3.059	0	9.003	1	2027	51	1.6
9458.1	10000	38.4351	94.5051	-284	PKC	3.3	0	10.1	1	1.1	0	0.329	0	2.977	0	9.043	1	2029	48	1.6
9458.2	10000	38.4357	94.5052	-285	PKC	3.5	0	10.1	1	1.1	0	0.350	0	3.081	0	8.792	0	2028	54	1.6
9458.3	10000	38.4363	94.5052	-286	PKC	3.2	0	10.1	1	1.1	0	0.318	-1	2.828	0	8.881	0	2014	39	1.6
9458.4	10000	38.4369	94.5053	-287	PKC	3.2	0	10.2	1	1.1	0	0.317	-1	2.829	0	8.935	0	2015	53	1.6
9458.5	10000	38.4375	94.5054	-288	PKC	3.0	-1	10.0	1	1.2	0	0.298	-1	2.564	-1	8.601	0	2006	51	1.6
9458.6	10000	38.4381	94.5054	-290	PKC	3.1	0	9.7	0	1.1	0	0.324	0	2.719	0	8.497	0	2014	48	1.6
9458.7	10000	38.4387	94.5055	-291	PKC	3.1	0	9.4	0	1.1	0	0.328	0	2.743	0	8.367	0	2008	60	1.5
9458.8	10000	38.4393	94.5056	-292	PKC	3.0	-1	9.1	0	1.1	0	0.325	0	2.710	0	8.349	0	2011	47	1.5
9458.9	10000	38.4399	94.5057	-295	PKC	3.0	-1	9.2	0	1.1	0	0.322	0	2.727	0	8.473	0	2022	47	1.5
9459.0	10000	38.4405	94.5058	-296	PKC	3.1	0	9.6	0	1.1	0	0.322	0	2.871	0	8.913	0	2027	46	1.5
9459.1	10000	38.4411	94.5058	-298	PKC	3.1	0	9.8	0	1.1	0	0.314	-1	2.845	0	9.049	1	2026	41	1.5
9459.2	10000	38.4417	94.5059	-300	PKC	3.1	0	9.7	0	1.1	0	0.325	0	2.926	0	9.016	1	2008	45	1.5
9459.3	10000	38.4423	94.5060	-302	PKC	3.0	-1	10.0	1	1.1	0	0.300	-1	2.778	0	9.270	1	2008	41	1.5
9459.4	10000	38.4429	94.5060	-304	PKC	3.0	-1	10.4	1	1.1	0	0.289	-1	2.781	0	9.607	1	2011	39	1.5
9459.5	10000	38.4435	94.5061	-305	PKC	3.2	0	10.5	1	1.1	0	0.305	-1	2.924	0	9.591	1	2010	38	1.5
9459.6	10000	38.4441	94.5062	-307	PKC	3.1	0	10.2	1	1.1	0	0.303	-1	2.868	0	9.458	1	2009	57	1.5
9459.7	10000	38.4447	94.5063	-308	PKC	2.9	-1	10.2	1	1.1	0	0.285	-1	2.739	0	9.593	1	2025	46	1.5
9459.8	10000	38.4453	94.5063	-309	PKC	2.9	-1	10.0	1	1.1	0	0.291	-1	2.657	0	9.145	1	2037	38	1.4
9459.9	10000	38.4459	94.5064	-310	PKC	3.1	0	10.0	1	1.1	0	0.307	-1	2.773	0	9.028	1	2069	41	1.4
9460.0	10000	38.4465	94.5065	-310	PKC	3.2	0	9.9	1	1.2	0	0.339	0	2.743	0	8.103	0	2068	38	1.4
9460.1	10000	38.4471	94.5066	-312	PKC	3.2	0	9.8	1	1.2	0	0.376	0	2.832	0	7.530	0	2086	39	1.4
9460.2	10000	38.4477	94.5066	-314	PKC	3.4	0	9.8	1	1.2	0	0.380	0	2.730	0	7.188	0	2089	52	1.4
9460.3	10000	38.4483	94.5067	-315	PKC	3.4	0	9.8	1	1.2	0	0.388	0	2.872	0	7.407	0	2089	46	1.4
9460.4	10000	38.4489	94.5068	-317	PKC	3.6	0	9.8	1	1.2	0	0.421	0	2.988	0	7.099	0	2076	57	1.4
9460.5	10000	38.4495	94.5069	-318	PKC	3.7	0	9.8	1	1.2	0	0.448	0	3.228	0	7.211	0	2067	49	1.4
9460.6	10000	38.4501	94.5069	-319	PKC	3.8	0	9.8	1	1.2	0	0.431	0	3.349	0	7.776	0	2058	42	1.4
9460.7	10000	38.4507	94.5070	-321	PKC	3.8	0	9.8	1	1.2	0	0.449	0	3.437	0	7.648	0	2049	48	1.4
9460.8	10000	38.4513	94.5071	-321	PKC	3.8	0	9.8	1	1.2	0	0.433	0	3.362	0	7.765	0	2044	44	1.4
9460.9	10000	38.4519	94.5072	-322	PKC	3.8	0	9.8	1	1.2	0	0.466	0	3.629	0	7.810	0	2047	46	1.3
9461.0	10000	38.4525	94.5072	-324	PKC	3.8	0	9.8	1	1.2	0	0.455	0	3.567	0	7.837	0	2038	33	1.3
9461.1	10000	38.4531	94.5073	-324	PKC	3.8	0	9.8	1	1.2	0	0.439	0	3.438	0	7.603	0	2028	38	1.3
9461.2	10000	38.4537	94.5074	-325	PKC	3.8	0	9.8	1	1.2	0	0.414	0	3.241	0	7.554	0	2022	63	1.3
9461.3	10000	38.4543	94.5074	-326	PKC	3.8	0	9.8	1	1.2	0	0.416	0	3.127	0	7.054	0	2006	42	1.3
9461.4	10000	38.4550	94.5075	-327	PKC	3.8	0	9.8	1	1.2	0	0.388	0	3.041	0	7.564	0	2011	68	1.3
9461.5	10000	38.4557	94.5075	-328	PKC	3.8	0	9.8	1	1.2	0	0.379	0	2.935	0	7.028	0	1986	49	1.3
9461.6	10000	38.4564	94.5075	-328	PKC	3.8	0	9.8	1	1.2	0	0.344	0	2.942	0	8.397	0	1949	55	1.3
9461.7	10000	38.4570	94.5075	-328	PKC	3.8	0	9.8	1	1.2	0	0.344	0	3.046	0	8.578	0	1932	47	1.3
9461.8	10000	38.4577	94.5075	-327	PM	3.8	0	9.8	1	1.2	0	0.349	0	3.085	0	8.212	0	1938	45	1.3
9461.9	10000	38.4584	94.5075	-325	PM	3.8	0	9.8	1	1.2	0	0.344	0	3.021	0	8.299	0	1933	52	1.3
9462.0	10000	38.4591	94.5076	-328	PM	3.8	0	9.8	1	1.2	0	0.355	0	3.195	0	8.439	0	1935	57	1.3
9462.1	10000	38.4597	94.5076	-329	PM	3.8	0	9.8	1	1.2	0	0.355	0	3.138	0	8.526	0	1936	43	1.3
9462.2	10000	38.4604	94.5076	-328	PM	3.8	0	9.8	1	1.2	0	0.336	0	2.912	0	8.525	0	1951	51	1.3
9462.3	10000	38.4611	94.5076	-327	PM	3.8	0	9.8	1	1.2	0	0.336	0	2.912	0	8.525	0	1972	44	1.3
9462.4	10000	38.4618	94.5076	-326	PM	3.8	0	9.8	1	1.2	0	0.336	0	2.912	0	8.525	0	1972	36	1.3
9462.5	10000	38.4624	94.5076	-325	PM	3.8	0	9.8	1	1.2	0	0.336	0	2.912	0	8.525	0	1962	54	1.3
9462.6	10000	38.4631	94.5076															1965		

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9462.7	10000	38.4638	94.5076	-324	PM	3.8	1	9.1	0	1.0	0	0.420	1	3.686	1	8.772	0	1960	55	1.2
9462.8	10000	38.4645	94.5077	-324	PM	3.8	1	8.9	-1	1.0	-1	0.428	1	3.870	1	9.033	0	1947	42	1.2
9462.9	10000	38.4651	94.5077	-324	PP	3.8	1	8.9	0	0.9	-1	0.423	1	4.024	1	9.512	1	1929	45	1.2
9463.0	10000	38.4658	94.5077	-323	PP	3.9	1	8.7	0	0.9	-1	0.446	1	4.176	2	9.356	1	1932	46	1.2
9463.1	10000	38.4665	94.5077	-324	PP	3.1	1	8.7	0	0.9	-1	0.468	1	4.443	2	9.486	1	1931	52	1.2
9463.2	10000	38.4672	94.5077	-324	PP	3.9	1	8.9	0	1.0	-1	0.445	1	4.080	1	9.174	1	1947	49	1.2
9463.3	10000	38.4678	94.5077	-325	PP	3.8	1	9.1	0	1.0	-1	0.422	1	3.772	1	8.939	1	1957	40	1.2
9463.4	10000	38.4685	94.5078	-326	PP	3.6	1	8.9	0	1.1	0	0.410	0	3.433	1	8.375	0	1960	41	1.2
9463.5	10000	38.4692	94.5078	-327	PP	3.6	1	9.1	0	1.1	0	0.393	0	3.175	0	8.089	0	1979	46	1.2
9463.6	10000	38.4699	94.5078	-329	PP	3.6	1	9.1	0	1.2	0	0.400	0	3.064	0	7.656	0	2006	50	1.2
9463.7	10000	38.4705	94.5078	-332	PP	3.5	1	8.9	0	1.2	0	0.396	0	2.971	0	7.510	-1	2006	48	1.2
9463.8	10000	38.4712	94.5078	-335	PP	3.3	1	9.1	0	1.2	1	0.366	0	2.756	0	7.522	-1	2018	58	1.2
9463.9	10000	38.4719	94.5078	-339	PP	3.5	1	8.9	0	1.2	1	0.396	0	2.888	0	7.287	-1	2037	51	1.2
9464.0	10000	38.4726	94.5078	-343	PP	3.4	1	8.9	0	1.2	1	0.385	0	2.831	0	7.344	-1	2050	64	1.2
9464.1	10000	38.4732	94.5079	-346	PP	3.5	1	9.5	0	1.2	0	0.366	0	3.009	0	8.218	0	2079	48	1.2
9464.2	10000	38.4739	94.5079	-350	PP	3.5	0	9.2	0	1.2	0	0.382	0	2.988	0	7.821	0	2077	56	1.2
9464.3	10000	38.4746	94.5079	-355	PP	3.8	1	9.4	0	1.1	0	0.407	0	3.431	1	8.435	0	2072	44	1.2
9464.4	10000	38.4753	94.5079	-359	PP	4.0	1	9.8	0	1.1	0	0.410	0	3.778	1	9.211	1	2088	62	1.2
9464.5	10000	38.4760	94.5079	-363	PP	4.1	1	9.9	1	1.0	-1	0.411	0	3.969	1	9.659	1	2109	54	1.2
9464.6	10000	38.4766	94.5079	-368	PP	3.9	1	9.9	1	1.0	-1	0.393	0	3.839	1	9.764	1	2084	54	1.2
9464.7	10000	38.4773	94.5079	-372	PP	3.9	1	9.8	1	1.0	0	0.398	0	3.744	1	9.397	1	2081	55	1.1
9464.8	10000	38.4780	94.5079	-376	PP	3.8	1	9.3	0	1.1	0	0.408	0	3.459	1	8.474	0	2090	33	1.1
9464.9	10000	38.4787	94.5080	-380	PP	4.0	1	9.7	1	1.1	0	0.408	0	3.636	1	8.920	0	2115	51	1.1
9465.0	10000	38.4793	94.5080	-384	PP	3.8	1	9.7	1	1.1	0	0.390	0	3.359	1	8.607	0	2121	40	1.2
9465.1	10000	38.4800	94.5080	-388	PP	3.7	1	9.6	1	1.2	0	0.385	0	3.131	0	8.125	0	2140	52	1.2
9465.2	10000	38.4807	94.5080	-391	PP	3.7	1	9.6	1	1.3	0	0.388	0	2.990	0	7.699	0	2143	52	1.2
9465.3	10000	38.4814	94.5080	-394	PP	3.9	1	9.7	1	1.3	1	0.398	0	3.076	0	7.724	0	2167	49	1.2
9465.4	10000	38.4820	94.5080	-398	PKC	3.9	1	10.2	1	1.2	-1	0.386	0	3.172	0	8.214	0	2190	47	1.2
9465.5	10000	38.4827	94.5081	-401	PKC	3.8	1	10.7	1	1.2	-1	0.360	0	3.174	0	8.827	0	2175	48	1.2
9465.6	10000	38.4834	94.5081	-403	PKC	3.6	1	10.6	1	1.2	0	0.343	0	3.004	0	8.763	0	2161	59	1.2
9465.7	10000	38.4841	94.5081	-406	PKC	3.3	1	10.8	1	1.2	0	0.308	0	2.749	0	8.913	0	2173	34	1.2
9465.8	10000	38.4847	94.5081	-409	PKC	3.4	1	10.9	1	1.2	0	0.312	0	2.659	0	8.811	0	2164	48	1.2
9465.9	10000	38.4854	94.5081	-411	PKC	3.5	1	10.9	1	1.2	0	0.321	0	2.735	0	8.859	0	2179	51	1.2
9466.0	10000	38.4861	94.5081	-414	PKC	3.6	1	10.9	1	1.2	0	0.330	0	2.653	0	8.849	0	2191	41	1.2
9466.1	10000	38.4868	94.5081	-417	PKC	3.7	1	10.9	1	1.2	0	0.338	0	2.682	0	8.875	0	2206	50	1.2
9466.2	10000	38.4874	94.5082	-420	PKC	3.7	1	10.9	1	1.2	0	0.335	0	2.779	0	8.623	0	2209	67	1.2
9466.3	10000	38.4881	94.5082	-424	PKC	3.8	1	10.9	1	1.2	0	0.346	0	2.862	0	9.015	0	2202	33	1.2
9466.4	10000	38.4888	94.5082	-427	PKC	3.8	1	10.9	1	1.2	0	0.346	0	2.862	0	9.015	0	2202	33	1.2
9466.5	10000	38.4895	94.5082	-430	PKC	3.8	1	10.9	1	1.2	0	0.346	0	2.862	0	9.015	0	2202	33	1.2
9466.6	10000	38.4901	94.5082	-434	PKC	3.8	1	10.9	1	1.2	0	0.346	0	2.862	0	9.015	0	2202	33	1.2
9466.7	10000	38.4908	94.5082	-437	PKC	3.8	1	10.9	1	1.2	0	0.346	0	2.862	0	9.015	0	2202	33	1.2
9466.8	10000	38.4915	94.5082	-441	PKC	3.8	1	10.9	1	1.2	0	0.346	0	2.862	0	9.015	0	2202	33	1.2
9466.9	10000	38.4922	94.5083	-445	PKC	3.8	1	10.9	1	1.2	0	0.346	0	2.862	0	9.015	0	2202	33	1.2
9467.0	10000	38.4928	94.5083	-449	PKC	3.8	1	10.9	1	1.2	0	0.346	0	2.862	0	9.015	0	2202	33	1.2
9467.1	10000	38.4935	94.5083	-453	PKC	3.8	1	10.9	1	1.2	0	0.346	0	2.862	0	9.015	0	2202	33	1.2
9467.2	10000	38.4942	94.5083	-457	PKC	3.8	1	10.9	1	1.2	0	0.346	0	2.862	0	9.015	0	2202	33	1.2
9467.3	10000	38.4949	94.5083	-461	PKC	3.8	1	10.9	1	1.2	0	0.346	0	2.862	0	9.015	0	2202	33	1.2
9467.4	10000	38.4955	94.5083	-465	PKC	3.8	1	10.9	1	1.2	0	0.346	0	2.862	0	9.015	0	2202	33	1.2
9467.5	10000	38.4962	94.5084	-469	PKC	3.8	1	10.9	1	1.2	0	0.346	0	2.862	0	9.015	0	2202	33	1.2
9467.6	10000	38.4969	94.5084	-473	PKC	3.8	1	10.9	1	1.2	0	0.346	0	2.862	0	9.015	0	2202	33	1.2
9467.7	10000	38.4976	94.5084	-476	PKC	3.8	1	10.9	1	1.2	0	0.346	0	2.862	0	9.015	0	2202	33	1.2
9467.8	10000	38.4983	94.5084	-481	PKC	3.8	1	10.9	1	1.2	0	0.346	0	2.862	0	9.015	0	2202	33	1.2

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9467.9	10000	38.4989	94.5084	-484	PKC	4.0	1	10.7	1	1.2	0	0.373	0	3.375	1	9.052	1	2199	51	1.3
9468.0	10000	38.4996	94.5084	-487	PKC	3.9	1	10.8	1	1.2	0	0.362	0	3.353	1	9.266	1	2204	43	1.4
9468.1	10000	38.5003	94.5084	-491	PKC	4.0	1	11.0	1	1.2	0	0.361	0	3.392	1	9.399	1	2215	49	1.4
9468.2	10000	38.5010	94.5084	-494	PKC	3.7	1	10.8	1	1.2	1	0.338	0	2.977	0	8.803	0	2223	55	1.4
9468.3	10000	38.5016	94.5085	-497	PKC	3.5	0	10.5	1	1.2	0	0.333	0	2.984	0	8.967	0	2218	48	1.4
9468.4	10000	38.5023	94.5085	-501	PKC	3.8	1	10.3	1	1.1	0	0.363	0	3.304	0	9.099	1	2199	56	1.4
9468.5	10000	38.5030	94.5085	-504	PKC	3.8	1	10.5	1	1.2	0	0.358	0	3.266	0	9.121	1	2201	40	1.4
9468.6	10000	38.5037	94.5085	-506	PKC	3.6	1	9.9	0	1.1	0	0.368	0	3.259	0	8.854	0	2167	39	1.4
9468.7	10000	38.5043	94.5085	-509	PKC	3.7	1	10.3	1	1.1	0	0.361	0	3.374	1	9.335	1	2144	48	1.4
9468.8	10000	38.5050	94.5085	-511	PKC	4.0	1	10.1	1	1.1	0	0.393	0	3.581	1	9.106	1	2125	43	1.4
9468.9	10000	38.5057	94.5085	-513	PKC	3.9	1	10.1	1	1.1	0	0.386	0	3.702	1	9.602	1	2098	47	1.4
9469.0	10000	38.5064	94.5086	-515	PKC	3.8	1	10.3	1	1.1	0	0.371	0	3.611	1	9.745	1	2099	46	1.4
9469.1	10000	38.5070	94.5086	-518	PKC	3.5	0	10.0	1	1.1	0	0.354	0	3.141	0	8.881	0	2103	41	1.4
9469.2	10000	38.5077	94.5086	-519	PKC	3.7	1	10.1	1	1.2	0	0.369	0	3.137	0	8.501	0	2124	59	1.5
9469.3	10000	38.5084	94.5086	-521	PKC	3.7	1	10.2	1	1.3	1	0.359	0	2.928	0	8.158	0	2134	58	1.5
9469.4	10000	38.5091	94.5086	-522	PKC	3.3	0	9.9	0	1.3	1	0.336	0	2.576	-1	7.661	-1	2149	53	1.5
9469.5	10000	38.5097	94.5086	-524	PKC	3.0	-1	10.1	1	1.4	1	0.294	-1	2.186	-1	7.430	-1	2171	34	1.5
9469.6	10000	38.5104	94.5087	-525	PKC	3.0	-1	10.1	1	1.4	1	0.296	-1	2.148	-1	7.264	-1	2158	57	1.5
9469.7	10000	38.5111	94.5087	-526	PKC	3.0	-1	10.1	1	1.4	2	0.299	-1	2.115	-1	7.066	-1	2154	48	1.5
9469.8	10000	38.5118	94.5087	-527	PKC	3.0	0	10.4	1	1.4	2	0.292	-1	2.102	-1	7.201	-1	2166	52	1.5
9469.9	10000	38.5124	94.5087	-528	PKC	2.8	-1	10.2	1	1.4	2	0.278	-1	1.977	-1	7.110	-1	2154	43	1.5
9470.0	10000	38.5131	94.5087	-529	PKC	2.9	-1	10.5	1	1.4	1	0.279	-1	2.106	-1	7.542	-1	2170	51	1.5
9470.1	10000	38.5138	94.5087	-531	PKC	3.0	-1	10.7	1	1.4	2	0.282	-1	2.154	-1	7.650	-1	2190	53	1.5
9470.2	10000	38.5144	94.5087	-533	PKC	3.1	0	10.5	1	1.4	2	0.299	-1	2.234	-1	7.465	-1	2187	45	1.5
9470.3	10000	38.5150	94.5087	-535	PKC	3.3	0	10.9	1	1.4	2	0.307	-1	2.372	-1	7.734	0	2219	43	1.5
9470.4	10000	38.5156	94.5086	-538	PKC	3.4	0	10.7	1	1.4	1	0.322	0	2.520	-1	7.839	0	2230	56	1.5
9470.5	10000	38.5163	94.5086	-540	PKC	3.7	1	10.5	1	1.3	1	0.352	0	2.743	0	7.801	0	2235	46	1.5
9470.6	10000	38.5169	94.5086	-544	PKC	3.8	1	10.5	1	1.3	1	0.359	0	2.862	0	7.974	0	2241	56	1.5
9470.7	10000	38.5175	94.5086	-547	PKC	3.6	1	10.4	1	1.3	1	0.341	0	2.598	0	7.617	0	2232	45	1.5
9470.8	10000	38.5182	94.5086	-551	PKC	3.6	1	10.2	1	1.3	1	0.385	0	2.924	0	7.597	0	2236	53	1.5
9470.9	10000	38.5188	94.5086	-555	PKC	3.6	1	10.2	1	1.3	1	0.399	0	3.090	0	7.750	0	2236	57	1.5
9471.0	10000	38.5194	94.5085	-560	PKC	3.6	1	10.2	1	1.3	1	0.395	0	3.064	0	7.754	0	2231	45	1.6
9471.1	10000	38.5201	94.5085	-564	PKC	3.6	1	10.2	1	1.3	1	0.372	0	2.885	0	7.750	0	2234	54	1.6
9471.2	10000	38.5207	94.5085	-569	PKC	3.6	1	10.2	1	1.3	1	0.339	0	2.604	-1	7.679	-1	2218	43	1.6
9471.3	10000	38.5214	94.5085	-575	PKC	3.6	1	10.2	1	1.3	1	0.328	0	2.451	-1	7.483	-1	2207	45	1.6
9471.4	10000	38.5220	94.5085	-579	PKC	3.6	1	10.2	1	1.3	1	0.323	0	2.474	-1	7.661	-1	2178	52	1.6
9471.5	10000	38.5226	94.5085	-584	PKC	3.6	1	10.2	1	1.3	1	0.303	0	2.279	-1	7.532	-1	2160	45	1.6
9471.6	10000	38.5233	94.5084	-589	PKC	3.6	1	10.2	1	1.3	1	0.297	0	2.253	-1	7.597	-1	2143	41	1.6
9471.7	10000	38.5239	94.5084	-596	PKC	3.6	1	10.2	1	1.3	1	0.301	0	2.171	-1	7.208	-1	2129	44	1.6
9471.8	10000	38.5245	94.5084	-601	PKC	3.6	1	10.2	1	1.3	1	0.294	0	2.189	-1	7.437	-1	2128	60	1.6
9471.9	10000	38.5252	94.5084	-605	PKC	3.6	1	10.2	1	1.3	1	0.316	0	2.335	-1	7.387	-1	2133	45	1.6
9472.0	10000	38.5258	94.5084	-610	PKC	3.6	1	10.2	1	1.3	1	0.305	0	2.323	-1	7.628	-1	2142	51	1.6
9472.1	10000	38.5264	94.5084	-614	PKC	3.6	1	10.2	1	1.3	1	0.319	0	2.443	-1	7.653	-1	2166	46	1.6
9472.2	10000	38.5271	94.5083	-618	PKC	3.6	1	10.2	1	1.3	1	0.287	0	2.360	-1	7.221	-1	2154	52	1.6
9472.3	10000	38.5277	94.5083	-623	PKC	3.6	1	10.2	1	1.3	1	0.247	0	2.072	-1	7.379	-1	2140	54	1.6
9472.4	10000	38.5283	94.5083	-627	PKC	3.6	1	10.2	1	1.3	1	0.243	0	2.096	-1	7.632	-1	2100	55	1.6
9472.5	10000	38.5290	94.5083	-631	PKC	3.6	1	10.2	1	1.3	1	0.273	0	2.323	-1	7.510	-1	2049	36	1.6
9472.6	10000	38.5296	94.5083	-635	PKC	3.6	1	10.2	1	1.3	1	0.288	0	2.406	-1	7.349	-1	2007	45	1.6
9472.7	10000	38.5302	94.5083	-638	PKC	3.6	1	10.2	1	1.3	1	0.350	0	2.972	-1	7.454	-1	1975	41	1.5
9472.8	10000	38.5309	94.5082	-641	PKC	3.6	1	10.2	1	1.3	1	0.429	0	3.438	-1	7.499	-1	1931	43	1.5
9472.9	10000	38.5315	94.5082	-645	PKC	3.6	1	10.2	1	1.3	1	0.522	0	4.195	-1	7.920	-1	1892	52	1.5
9473.0	10000	38.5321	94.5082	-650	PKC	3.5	1	10.2	1	1.3	1	0.637	0	5.037	-1	8.037	-1	1853	49	1.5

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9473.1	10000	38.5328	94.5082	-653	PKC	3.8	1	6.4	-2	0.8	-2	0.584	3	4.585	2	7.845	0	1836	57	1.5
9473.2	10000	38.5334	94.5082	-657	PKC	3.9	1	6.1	-3	0.8	-2	0.638	4	5.016	3	7.864	0	1795	43	1.5
9473.3	10000	38.5340	94.5081	-660	PKC	4.1	1	5.7	-3	0.7	-2	0.712	4	5.683	4	7.979	0	1735	52	1.5
9473.4	10000	38.5347	94.5081	-663	PKC	4.8	1	5.3	-3	0.7	-2	0.708	4	5.445	4	7.691	-1	1675	51	1.5
9473.5	10000	38.5353	94.5081	-666	PKC	4.9	1	5.3	-3	0.7	-2	0.734	5	5.394	3	7.344	-1	1646	49	1.5
9473.6	10000	38.5359	94.5081	-669	PKC	4.6	1	5.6	-3	0.7	-2	0.646	4	4.899	3	7.578	-1	1641	43	1.5
9473.7	10000	38.5365	94.5081	-672	PKC	4.7	1	6.2	-3	0.8	-2	0.605	3	4.583	2	7.582	-1	1659	49	1.5
9473.8	10000	38.5372	94.5081	-675	PKC	4.7	1	6.4	-2	0.9	-2	0.583	3	4.305	2	7.385	-1	1687	29	1.5
9473.9	10000	38.5378	94.5081	-678	PKC	4.6	1	6.7	-2	0.9	-1	0.545	2	4.088	2	7.497	-1	1733	58	1.5
9474.0	10000	38.5385	94.5080	-681	PKC	4.4	1	7.1	-2	0.9	-1	0.484	2	3.711	1	7.665	-1	1766	67	1.5
9474.1	10000	38.5391	94.5080	-684	PKC	4.6	1	7.3	-2	0.9	-1	0.500	2	3.826	1	7.657	-1	1810	44	1.5
9474.2	10000	38.5397	94.5080	-687	PP	4.5	1	7.5	-1	1.0	-1	0.470	1	3.664	1	7.789	0	1839	47	1.5
9474.3	10000	38.5404	94.5080	-689	PP	4.6	1	7.4	-1	1.0	-1	0.484	1	3.711	1	7.664	0	1855	52	1.5
9474.4	10000	38.5410	94.5080	-692	PP	4.5	1	7.2	-2	1.0	-1	0.483	1	3.626	1	7.507	-1	1855	62	1.5
10588.8	10000	38.5421	94.5093	-895	PP	4.6	1	6.8	-2	0.9	-1	0.534	2	3.904	1	7.305	-1	1839	39	1.2
10588.9	10000	38.5427	94.5093	-897	PP	4.4	1	6.7	-2	0.9	-1	0.499	1	3.705	1	7.423	-1	1813	53	1.2
10589.0	10000	38.5433	94.5092	-899	PP	4.5	1	6.8	-2	0.9	-1	0.497	1	3.655	1	7.356	-1	1827	38	1.2
10589.1	10000	38.5439	94.5092	-901	PP	4.5	1	6.9	-2	0.9	-1	0.514	2	3.730	1	7.263	-1	1851	46	1.2
10589.2	10000	38.5445	94.5092	-903	PP	4.5	1	7.0	-2	1.0	-1	0.506	1	3.577	1	7.069	-1	1874	57	1.2
10589.3	10000	38.5451	94.5091	-905	PP	4.7	1	7.2	-1	1.1	0	0.508	1	3.443	1	6.784	-1	1919	43	1.2
10589.4	10000	38.5458	94.5091	-906	PP	4.8	1	7.6	-1	1.3	0	0.492	1	3.316	0	6.745	-1	1967	46	1.2
10589.5	10000	38.5464	94.5091	-908	PP	5.7	1	7.9	-1	1.3	1	0.419	0	2.627	-1	6.267	-2	1999	52	1.2
10589.6	10000	38.5470	94.5090	-909	PP	6.6	1	8.2	-1	1.3	1	0.454	1	2.821	0	6.219	-2	2065	51	1.2
10589.7	10000	38.5476	94.5090	-910	PP	6.7	1	8.4	-1	1.3	1	0.431	1	2.783	0	6.451	-1	2075	46	1.2
10589.8	10000	38.5482	94.5090	-910	PP	6.8	1	8.3	-1	1.3	1	0.440	1	2.800	0	6.362	-1	2064	55	1.2
10589.9	10000	38.5488	94.5089	-912	PP	6.8	1	8.0	-1	1.3	1	0.467	1	2.884	0	6.180	-2	2057	48	1.2
10590.0	10000	38.5495	94.5089	-913	PP	6.8	1	8.1	-1	1.3	1	0.474	1	2.988	0	6.299	-2	2039	49	1.2
10590.1	10000	38.5501	94.5089	-913	PP	6.7	1	8.1	-1	1.2	1	0.455	1	3.053	0	6.716	-1	2007	60	1.2
10590.2	10000	38.5507	94.5088	-913	PP	7.0	1	8.0	-1	1.1	0	0.500	1	3.507	1	7.011	-1	1993	43	1.2
10590.3	10000	38.5513	94.5088	-914	PP	6.8	1	7.8	-1	1.1	0	0.470	1	3.239	1	6.884	-1	1988	46	1.2
10590.4	10000	38.5519	94.5088	-917	PP	6.9	1	7.7	-1	1.1	0	0.492	1	3.165	1	6.437	-1	2003	41	1.2
10590.5	10000	38.5525	94.5087	-920	PP	6.6	1	7.6	-1	1.1	0	0.430	1	2.862	1	6.653	-1	2003	38	1.2
10590.6	10000	38.5531	94.5087	-920	PP	6.6	1	7.6	-1	1.1	0	0.409	1	2.888	1	7.066	-1	2013	43	1.2
10590.7	10000	38.5538	94.5087	-919	PP	6.6	1	7.6	-1	1.1	0	0.412	1	3.079	1	7.476	-1	2012	50	1.2
10590.8	10000	38.5544	94.5086	-919	PP	6.6	1	7.6	-1	1.1	0	0.419	1	2.952	1	7.049	-1	2030	50	1.2
10590.9	10000	38.5550	94.5086	-918	PP	6.6	1	7.6	-1	1.1	0	0.385	1	2.878	1	7.475	-1	2036	57	1.2
10591.0	10000	38.5556	94.5086	-918	PP	6.6	1	7.6	-1	1.1	0	0.354	1	2.825	1	7.977	-1	2008	42	1.2
10591.1	10000	38.5562	94.5085	-918	PP	6.6	1	7.6	-1	1.1	0	0.331	1	2.765	1	7.853	0	1970	55	1.2
10591.2	10000	38.5568	94.5085	-917	PP	6.6	1	7.6	-1	1.1	0	0.313	1	2.810	1	7.948	0	1967	56	1.2
10591.3	10000	38.5575	94.5085	-917	PP	6.6	1	7.6	-1	1.1	0	0.303	1	2.797	1	7.885	0	1968	52	1.2
10591.4	10000	38.5581	94.5084	-916	PP	6.6	1	7.6	-1	1.1	0	0.289	1	2.524	1	7.335	0	1956	44	1.2
10591.5	10000	38.5587	94.5084	-916	PP	6.6	1	7.6	-1	1.1	0	0.296	1	2.582	1	7.939	0	1951	53	1.2
10591.6	10000	38.5593	94.5084	-915	PP	6.6	1	7.6	-1	1.1	0	0.327	1	2.686	1	8.075	0	1940	53	1.2
10591.7	10000	38.5599	94.5083	-914	PP	6.6	1	7.6	-1	1.1	0	0.352	1	2.923	1	8.945	0	1946	51	1.2
10591.8	10000	38.5605	94.5083	-913	PP	6.6	1	7.6	-1	1.1	0	0.335	1	2.861	1	8.098	0	1947	42	1.2
10591.9	10000	38.5612	94.5083	-912	PP	6.6	1	7.6	-1	1.1	0	0.315	1	2.664	1	8.312	0	1945	49	1.2
10592.0	10000	38.5618	94.5082	-911	PP	6.6	1	7.6	-1	1.1	0	0.309	1	2.977	1	9.720	0	1920	50	1.2
10592.1	10000	38.5624	94.5082	-910	PP	6.6	1	7.6	-1	1.1	0	0.286	1	2.931	1	9.554	0	1924	56	1.2
10592.2	10000	38.5630	94.5082	-909	PP	6.6	1	7.6	-1	1.1	0	0.275	1	2.725	1	9.222	0	1919	41	1.2
10592.3	10000	38.5636	94.5081	-908	PP	6.6	1	7.6	-1	1.1	0	0.275	1	2.442	1	8.823	0	1925	50	1.2
10592.4	10000	38.5642	94.5081	-908	PP	6.6	1	7.6	-1	1.1	0	0.275	1	2.169	1	8.541	0	1924	50	1.2
10592.5	10000	38.5648	94.5081	-908	PP	6.6	1	7.6	-1	1.2	0	0.275	1	2.169	1	8.889	0	1943	40	1.2

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10592.6	10000	38.5655	94.5080	-907	PP	2.5	-2	9.0	0	1.2	1	0.275	-1	2.055	-1	7.484	-1	1954	58	1.2
10592.7	10000	38.5661	94.5080	-906	PP	2.7	-1	9.1	0	1.3	1	0.300	-1	2.179	-1	7.253	-1	1974	53	1.2
10592.8	10000	38.5667	94.5079	-905	PP	2.8	-1	9.2	0	1.2	1	0.306	-1	2.287	-1	7.467	-1	1993	55	1.2
10592.9	10000	38.5673	94.5079	-904	PP	2.8	-1	9.3	0	1.2	1	0.307	-1	2.315	-1	7.539	-1	2009	42	1.2
10593.0	10000	38.5679	94.5079	-903	PP	2.9	-1	9.3	0	1.2	1	0.313	-1	2.425	-1	7.744	0	2012	43	1.2
10593.1	10000	38.5685	94.5079	-902	PP	3.1	0	9.4	0	1.2	1	0.333	0	2.586	-1	7.767	0	2040	51	1.2
10593.2	10000	38.5692	94.5078	-900	PP	3.5	0	9.6	0	1.2	1	0.367	0	2.899	0	7.898	0	2074	50	1.2
10593.3	10000	38.5698	94.5078	-899	PP	3.8	1	9.6	0	1.2	0	0.396	0	3.233	0	8.172	0	2093	39	1.2
10593.4	10000	38.5704	94.5078	-897	PP	3.6	1	9.7	1	1.2	0	0.374	0	3.157	0	8.438	0	2097	66	1.2
10593.5	10000	38.5710	94.5077	-896	PP	3.7	1	9.8	1	1.1	0	0.379	0	3.280	0	8.664	0	2095	45	1.2
10593.6	10000	38.5716	94.5077	-894	PP	3.9	1	9.8	1	1.1	0	0.397	0	3.456	1	8.700	0	2093	42	1.2
10593.7	10000	38.5722	94.5076	-892	PP	4.0	1	9.7	1	1.1	0	0.407	0	3.652	1	8.980	1	2080	53	1.2
10593.8	10000	38.5728	94.5076	-889	PP	4.2	2	9.5	0	1.0	-1	0.448	1	4.340	2	9.696	1	2045	49	1.2
10593.9	10000	38.5735	94.5076	-886	PP	4.0	1	9.3	0	0.9	-1	0.426	1	4.427	2	10.388	2	2001	42	1.2
10594.0	10000	38.5741	94.5076	-883	PP	4.0	1	9.4	0	0.9	-1	0.425	1	4.392	2	10.332	2	1980	43	1.2
10594.1	10000	38.5747	94.5075	-879	PP	4.1	2	9.0	0	0.9	-1	0.457	1	4.691	2	10.262	2	1969	51	1.2
10594.2	10000	38.5753	94.5075	-876	PP	4.3	2	8.8	0	0.9	-1	0.502	1	4.970	3	9.901	1	1972	53	1.2
10594.3	10000	38.5759	94.5074	-874	PP	4.4	2	8.8	0	0.8	-2	0.506	1	5.288	3	10.442	2	1952	50	1.2
10594.4	10000	38.5765	94.5074	-871	PP	4.3	2	8.4	-1	0.9	-1	0.514	2	4.936	3	9.605	1	1972	53	1.2
10594.5	10000	38.5772	94.5074	-867	PP	4.0	1	8.5	0	0.9	-1	0.468	1	4.248	2	9.083	1	1991	52	1.2
10594.6	10000	38.5778	94.5073	-862	PP	3.9	1	8.8	0	1.0	-1	0.458	1	4.002	1	8.739	0	2012	56	1.2
10594.7	10000	38.5784	94.5073	-858	PP	3.9	1	8.9	0	1.0	-1	0.437	1	4.031	1	9.231	1	2015	52	1.2
10594.8	10000	38.5790	94.5073	-854	PP	4.0	1	9.3	0	1.0	-1	0.432	1	4.113	2	9.514	1	2021	47	1.2
10594.9	10000	38.5796	94.5072	-850	PKC	4.0	1	9.6	0	1.0	-1	0.418	1	4.094	2	9.799	1	2021	37	1.2
10595.0	10000	38.5802	94.5072	-845	PKC	3.7	1	9.5	0	1.0	-1	0.393	0	3.640	1	9.272	1	2035	45	1.2
10595.1	10000	38.5809	94.5072	-841	PKC	3.7	1	9.4	0	1.0	-1	0.417	0	3.941	1	9.447	1	2033	56	1.2
10595.2	10000	38.5815	94.5071	-836	PKC	3.7	1	9.4	0	1.0	-1	0.417	0	3.931	1	9.413	1	2024	52	1.2
10595.3	10000	38.5821	94.5071	-831	PKC	3.7	1	9.4	0	1.0	-1	0.402	0	3.845	1	9.305	1	2022	39	1.2
10595.4	10000	38.5827	94.5071	-826	PKC	3.8	1	9.4	0	1.0	-1	0.382	0	3.697	1	8.950	1	2024	45	1.2
10595.5	10000	38.5833	94.5070	-821	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.830	1	8.220	1	2038	47	1.2
10595.6	10000	38.5839	94.5070	-816	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	8.939	1	2044	42	1.2
10595.7	10000	38.5845	94.5070	-811	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	8.849	1	2057	48	1.2
10595.8	10000	38.5852	94.5069	-806	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	8.015	1	2078	63	1.2
10595.9	10000	38.5858	94.5069	-801	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	8.131	1	2089	39	1.2
10596.0	10000	38.5864	94.5069	-795	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.953	1	2100	45	1.2
10596.1	10000	38.5870	94.5068	-790	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.633	1	2117	36	1.2
10596.2	10000	38.5876	94.5068	-785	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.925	1	2109	54	1.2
10596.3	10000	38.5882	94.5068	-780	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.586	1	2109	53	1.2
10596.4	10000	38.5889	94.5067	-774	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.519	1	2105	50	1.2
10596.5	10000	38.5895	94.5067	-769	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.297	1	2104	56	1.2
10596.6	10000	38.5901	94.5067	-763	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.121	1	2117	51	1.2
10596.7	10000	38.5907	94.5066	-759	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.299	1	2094	52	1.2
10596.8	10000	38.5913	94.5066	-753	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.181	1	2079	45	1.2
10596.9	10000	38.5919	94.5066	-748	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.026	1	2060	44	1.2
10597.0	10000	38.5926	94.5065	-742	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.161	1	2054	48	1.2
10597.1	10000	38.5932	94.5065	-736	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.437	1	2053	51	1.2
10597.2	10000	38.5938	94.5065	-730	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.386	1	2047	44	1.2
10597.3	10000	38.5944	94.5064	-725	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.096	1	2036	53	1.2
10597.4	10000	38.5950	94.5064	-719	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.125	1	2055	45	1.2
10597.5	10000	38.5956	94.5064	-714	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.089	1	2049	39	1.2
10597.6	10000	38.5962	94.5063	-707	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.059	1	2073	44	1.2
10597.7	10000	38.5969	94.5063	-701	PKC	3.8	1	9.4	0	1.0	-1	0.398	0	3.824	1	7.321	1	2078	56	1.2

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10597.8	10000	38.5975	94.5063	-696	PKC	3.2	0	9.3	0	1.3	1	0.348	0	2.474	-1	7.115	-1	2076	47	1.2
10597.9	10000	38.5981	94.5062	-691	PKC	3.5	0	9.4	0	1.3	1	0.369	0	2.699	0	7.317	-1	2072	48	1.2
10598.0	10000	38.5987	94.5062	-685	PKC	3.2	0	9.4	0	1.3	1	0.338	0	2.444	-1	7.238	-1	2064	47	1.2
10598.1	10000	38.5993	94.5062	-679	PKC	3.3	0	9.7	0	1.3	1	0.339	0	2.596	-1	7.667	-1	2057	52	1.2
10598.2	10000	38.5999	94.5061	-674	PKC	3.2	0	9.6	0	1.3	1	0.336	0	2.556	-1	7.614	-1	2090	43	1.2
10598.3	10000	38.6006	94.5061	-667	PKC	3.3	0	9.7	0	1.2	1	0.346	0	2.702	0	7.808	0	2107	53	1.2
10598.4	10000	38.6012	94.5061	-660	PKC	3.3	0	9.3	0	1.3	1	0.354	0	2.601	-1	7.344	-1	2111	47	1.2
10598.5	10000	38.6018	94.5060	-653	PKC	3.4	0	9.4	0	1.3	1	0.363	0	2.664	0	7.344	-1	2117	41	1.2
10598.6	10000	38.6024	94.5060	-647	PKC	3.4	0	9.2	0	1.3	1	0.373	0	2.627	-1	7.051	-1	2133	59	1.2
10598.7	10000	38.6030	94.5060	-641	PKC	3.8	1	9.4	0	1.3	1	0.403	1	2.939	0	7.295	-1	2135	55	1.2
10598.8	10000	38.6036	94.5059	-636	PKC	3.9	1	9.0	0	1.3	1	0.435	1	3.119	0	7.163	-1	2148	48	1.2
10598.9	10000	38.6042	94.5059	-629	PKC	4.3	2	8.5	-1	1.3	1	0.505	2	3.414	1	6.766	-1	2129	49	1.2
10599.0	10000	38.6049	94.5059	-622	PKC	4.1	1	8.5	-1	1.2	1	0.484	2	3.285	0	6.786	-1	2110	51	1.2
10599.1	10000	38.6055	94.5058	-616	PKC	3.9	1	8.6	-1	1.2	1	0.459	1	3.202	0	6.976	-1	2094	40	1.2
10599.2	10000	38.6061	94.5058	-609	PKC	3.8	1	8.5	-1	1.2	0	0.462	1	3.274	0	7.079	-1	2066	43	1.2
10599.3	10000	38.6067	94.5058	-603	PKC	3.8	1	8.7	0	1.2	0	0.436	1	3.231	0	7.406	-1	2062	55	1.2
10599.4	10000	38.6073	94.5057	-598	PKC	3.9	1	8.1	-1	1.1	0	0.479	2	3.453	1	7.211	-1	2069	41	1.2
10599.5	10000	38.6079	94.5057	-594	PKC	3.8	1	8.2	-1	1.1	0	0.472	1	3.520	1	7.460	-1	2050	53	1.2
10599.6	10000	38.6086	94.5057	-590	PKC	3.8	1	8.4	-1	1.1	0	0.450	1	3.371	1	7.484	-1	2035	47	1.2
10599.7	10000	38.6092	94.5056	-586	PKC	4.1	1	7.9	-1	1.1	0	0.492	2	3.658	1	7.439	-1	2007	49	1.2
10599.8	10000	38.6098	94.5056	-581	PKC	4.2	2	7.5	-1	1.1	0	0.558	3	3.968	1	7.107	-1	1990	46	1.2
10599.9	10000	38.6104	94.5056	-576	PKC	4.2	2	7.7	-2	1.1	0	0.552	3	3.908	1	7.079	-1	1991	73	1.2
10600.0	10000	38.6110	94.5055	-571	PKC	4.3	2	7.2	-2	1.1	0	0.597	3	3.946	1	6.611	-1	1963	44	1.2
10600.1	10000	38.6116	94.5055	-565	PKC	4.3	2	7.3	-2	1.1	0	0.597	3	3.925	1	6.578	-1	1951	56	1.2
10600.2	10000	38.6123	94.5055	-561	PKC	4.1	2	6.9	-2	1.1	0	0.604	3	3.728	1	6.174	-2	1946	50	1.2
10600.3	10000	38.6129	94.5054	-559	PKC	4.3	2	6.9	-2	1.1	0	0.628	4	3.956	1	6.301	-2	1950	47	1.2
10600.4	10000	38.6135	94.5054	-560	PP	4.6	2	6.8	-2	1.2	0	0.680	4	4.164	2	6.122	-2	1958	53	1.2
10600.5	10000	38.6141	94.5054	-563	PP	4.3	2	7.1	-2	1.2	0	0.601	3	3.600	1	5.986	-2	1973	50	1.2
10600.6	10000	38.6147	94.5053	-568	PP	4.3	2	7.2	-2	1.3	0	0.583	3	3.420	1	5.864	-2	1986	36	1.2
10600.7	10000	38.6153	94.5053	-574	PP	4.3	2	7.4	-2	1.3	0	0.577	3	3.401	1	5.889	-2	1989	48	1.2
10600.8	10000	38.6159	94.5052	-579	PP	4.3	2	7.9	-2	1.2	0	0.544	3	3.427	1	6.295	-2	1974	49	1.2
10600.9	10000	38.6166	94.5052	-585	PP	4.3	2	7.3	-2	1.2	0	0.493	3	3.333	1	6.760	-1	1945	53	1.1
10601.0	10000	38.6172	94.5052	-591	PP	4.3	2	7.4	-2	1.2	0	0.441	3	3.176	1	7.197	-1	1909	47	1.1
10601.1	10000	38.6178	94.5052	-597	PP	4.3	2	7.4	-2	1.2	0	0.398	3	3.798	1	7.037	-1	1889	69	1.1
10601.2	10000	38.6184	94.5051	-603	PP	4.3	2	7.6	-2	1.2	0	0.438	3	3.273	1	7.478	-1	1849	49	1.1
10601.3	10000	38.6190	94.5051	-608	PP	4.3	2	7.5	-2	1.2	0	0.501	3	3.768	1	7.520	-1	1811	42	1.1
10601.4	10000	38.6196	94.5051	-615	PP	4.3	2	7.3	-2	1.2	0	0.492	3	3.828	1	7.788	0	1774	52	1.1
10601.5	10000	38.6202	94.5052	-622	PP	4.3	2	7.4	-2	1.2	0	0.489	3	3.583	1	7.325	-1	1762	50	1.1
10601.6	10000	38.6208	94.5052	-630	PP	4.3	2	7.6	-2	1.2	0	0.511	3	3.627	1	7.102	-1	1783	51	1.1
10601.7	10000	38.6214	94.5052	-638	PP	4.3	2	7.6	-2	1.2	0	0.558	4	3.785	1	6.784	-1	1810	60	1.1
10601.8	10000	38.6220	94.5052	-645	PP	4.3	2	7.4	-2	1.2	0	0.528	3	3.885	1	7.358	-1	1833	53	1.1
10601.9	10000	38.6225	94.5052	-652	PP	4.3	2	7.6	-2	1.2	0	0.526	3	3.860	1	7.339	-1	1877	46	1.1
10602.0	10000	38.6231	94.5052	-659	PP	4.3	2	7.6	-2	1.2	0	0.489	3	3.490	1	7.137	-1	1894	45	1.1
10602.1	10000	38.6237	94.5052	-665	PP	4.3	2	7.4	-2	1.2	0	0.477	3	3.315	1	6.944	-1	1929	45	1.1
10602.2	10000	38.6243	94.5052	-670	PP	4.3	2	7.5	-2	1.2	0	0.489	3	3.552	1	7.259	-1	1960	39	1.1
10602.3	10000	38.6249	94.5052	-675	PP	4.3	2	7.2	-2	1.2	0	0.513	3	3.787	1	7.382	-1	1958	48	1.1
10602.4	10000	38.6255	94.5052	-680	PP	4.3	2	7.1	-2	1.2	0	0.521	3	3.765	1	7.233	-1	1978	53	1.1
10602.5	10000	38.6261	94.5053	-684	PP	4.3	2	7.2	-2	1.2	0	0.494	3	3.542	1	7.174	-1	1993	51	1.1
10602.6	10000	38.6267	94.5053	-688	PP	4.3	2	7.3	-2	1.2	0	0.469	3	3.489	1	7.433	-1	1994	51	1.1
10602.7	10000	38.6273	94.5053	-691	PP	4.3	2	7.3	-2	1.2	0	0.466	3	3.664	1	7.867	0	2007	44	1.1
10602.8	10000	38.6279	94.5053	-694	PP	4.3	2	7.3	-2	1.2	0	0.462	3	3.822	1	8.267	0	2007	57	1.1
10602.9	10000	38.6284	94.5053	-697	PP	4.3	2	7.3	-2	1.2	0	0.448	3	3.759	1	8.390	0	2000	35	1.1

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10603.0	10000	38.6290	94.5053	-699	PP	3.8	1	8.5	0	1.0	0	0.442	1	3.630	1	8.217	0	1998	47	1.1
10603.1	10000	38.6296	94.5053	-701	PP	3.5	0	8.8	0	1.0	-1	0.401	0	3.546	1	8.842	0	1954	47	1.1
10603.2	10000	38.6302	94.5053	-702	PP	3.7	1	8.9	0	1.0	-1	0.421	1	3.707	1	8.803	0	1948	49	1.1
10603.3	10000	38.6308	94.5054	-703	PP	3.8	1	9.1	0	1.0	-1	0.415	0	3.822	1	9.202	1	1934	46	1.1
10603.4	10000	38.6314	94.5054	-703	PP	3.6	1	9.2	0	1.0	-1	0.393	0	3.531	1	8.978	1	1926	54	1.1
10603.5	10000	38.6320	94.5054	-703	PP	3.7	1	9.0	0	1.0	-1	0.415	0	3.752	1	9.032	1	1924	46	1.1
10603.6	10000	38.6326	94.5054	-703	PP	3.5	0	9.1	0	1.1	0	0.384	0	3.307	0	8.604	0	1928	51	1.1
10603.7	10000	38.6332	94.5054	-701	PP	3.5	0	9.0	0	1.1	0	0.382	0	3.197	0	8.371	0	1925	44	1.1
10603.8	10000	38.6338	94.5054	-699	PP	3.6	1	8.8	0	1.2	0	0.410	0	3.071	0	7.486	-1	1930	41	1.1
10603.9	10000	38.6343	94.5054	-698	PP	3.4	0	8.5	0	1.2	0	0.404	0	2.890	0	7.150	-1	1912	41	1.1
10604.0	10000	38.6349	94.5054	-699	PP	3.2	0	8.0	-1	1.2	1	0.397	0	2.646	-1	6.664	-1	1894	51	1.1
10604.1	10000	38.6355	94.5054	-705	PP	3.4	0	7.9	-1	1.2	0	0.425	1	2.853	0	6.713	-1	1897	37	1.1
10604.2	10000	38.6361	94.5054	-706	PP	3.3	0	7.7	-1	1.2	1	0.430	1	2.658	-1	6.181	-2	1885	54	1.1
10604.3	10000	38.6367	94.5055	-703	PP	3.3	0	7.0	-2	1.2	1	0.469	1	2.719	0	5.799	-2	1872	60	1.1
10604.4	10000	38.6373	94.5055	-701	PP	3.2	0	6.9	-2	1.2	1	0.472	1	2.669	-1	5.654	-2	1860	60	1.1
10604.5	10000	38.6379	94.5055	-699	PP	3.2	0	6.8	-2	1.2	1	0.470	1	2.635	-1	5.602	-2	1865	40	1.1
10604.6	10000	38.6385	94.5055	-698	PP	3.3	0	6.7	-2	1.2	0	0.500	1	2.832	0	5.660	-2	1867	42	1.1
10604.7	10000	38.6391	94.5055	-696	PP	3.6	1	6.6	-2	1.2	0	0.544	2	3.089	0	5.677	-2	1876	47	1.1
10604.8	10000	38.6397	94.5055	-694	PP	3.4	0	6.5	-2	1.2	0	0.529	2	2.936	0	5.545	-2	1875	53	1.1
10604.9	10000	38.6403	94.5055	-692	PP	3.3	0	7.1	-2	1.1	0	0.472	1	2.907	0	6.163	-2	1878	49	1.1
10605.0	10000	38.6408	94.5055	-690	PP	3.3	0	7.5	-1	1.2	0	0.441	1	2.816	0	6.390	-1	1884	56	1.1
10605.1	10000	38.6414	94.5056	-688	PP	3.3	0	8.0	-1	1.2	0	0.415	0	2.851	0	6.868	-1	1901	42	1.0
10605.2	10000	38.6420	94.5056	-687	PP	3.2	0	7.9	-1	1.2	0	0.409	0	2.737	0	6.687	-1	1915	45	1.0
10605.3	10000	38.6426	94.5056	-685	PP	3.4	0	8.3	-1	1.2	1	0.405	0	2.767	0	6.825	-1	1922	50	1.0
10605.4	10000	38.6432	94.5056	-683	PP	3.1	0	8.8	0	1.3	1	0.352	0	2.460	-1	6.999	-1	1930	53	1.0
10605.5	10000	38.6438	94.5056	-682	PP	3.3	0	8.7	0	1.3	1	0.384	0	2.656	-1	6.921	-1	1948	45	1.0
10605.6	10000	38.6444	94.5056	-680	PP	3.4	0	8.7	0	1.2	1	0.392	0	2.759	0	7.031	-1	1952	50	1.0
10605.7	10000	38.6450	94.5056	-679	PP	3.4	0	8.8	0	1.2	1	0.381	0	2.727	0	7.162	-1	1954	54	1.0
10605.8	10000	38.6456	94.5056	-678	PP	3.3	0	8.8	0	1.2	1	0.391	0	2.629	0	6.729	-1	1962	49	1.1
10605.9	10000	38.6462	94.5056	-678	PP	3.4	0	8.8	0	1.2	1	0.393	0	2.813	0	7.150	-1	1966	46	1.1
10606.0	10000	38.6467	94.5057	-677	PP	3.3	0	8.8	0	1.2	1	0.407	0	2.680	0	6.587	-1	1978	60	1.1
10606.1	10000	38.6473	94.5057	-676	PP	3.2	0	8.8	0	1.2	1	0.492	0	2.909	0	5.912	-2	1991	47	1.1
10606.2	10000	38.6479	94.5057	-673	PP	3.4	0	8.8	0	1.2	1	0.452	0	2.803	0	6.197	-2	1996	40	1.1
10606.3	10000	38.6485	94.5057	-670	PP	3.4	0	8.8	0	1.2	1	0.462	0	2.931	0	6.339	-1	2001	46	1.1
10606.4	10000	38.6491	94.5057	-665	PP	3.4	0	8.8	0	1.2	1	0.458	0	2.997	0	6.550	-1	1999	46	1.1
10606.5	10000	38.6497	94.5057	-663	PP	3.4	0	8.8	0	1.2	1	0.492	0	3.252	0	6.610	-1	2002	41	1.1
10606.6	10000	38.6503	94.5057	-661	PP	3.5	0	8.8	0	1.2	1	0.512	0	3.475	0	6.784	-1	2008	39	1.1
10606.7	10000	38.6509	94.5057	-660	PP	3.4	0	8.8	0	1.2	1	0.470	0	3.527	0	7.502	-1	2009	40	1.1
10606.8	10000	38.6515	94.5057	-657	PP	3.4	0	8.8	0	1.2	1	0.433	0	3.563	0	8.226	0	1989	47	1.1
10606.9	10000	38.6521	94.5058	-651	PP	3.4	0	8.8	0	1.2	1	0.454	0	3.761	0	8.285	0	1967	46	1.1
10607.0	10000	38.6526	94.5058	-647	PP	3.4	0	8.8	0	1.2	1	0.475	0	3.524	0	7.420	-1	1926	52	1.1
10607.1	10000	38.6532	94.5058	-647	PP	3.4	0	8.8	0	1.2	1	0.489	0	3.564	0	7.293	-1	1882	45	1.1
10607.2	10000	38.6538	94.5058	-648	PP	3.4	0	8.8	0	1.2	1	0.437	0	3.220	0	7.372	-1	1821	52	1.1
10607.3	10000	38.6544	94.5058	-648	PP	3.4	0	8.8	0	1.2	1	0.422	0	3.012	0	7.146	-1	1743	43	1.1
10607.4	10000	38.6550	94.5058	-649	PP	3.4	0	8.8	0	1.2	1	0.463	0	3.198	0	6.901	-1	1667	43	1.1
10607.5	10000	38.6556	94.5058	-649	PP	3.4	0	8.8	0	1.2	1	0.466	0	3.132	0	6.717	-1	1608	50	1.1
10607.6	10000	38.6562	94.5058	-649	PP	3.4	0	8.8	0	1.2	1	0.460	0	3.925	0	6.365	-1	1575	47	1.1
10607.7	10000	38.6568	94.5058	-649	PP	3.4	0	8.8	0	1.2	1	0.416	0	2.847	0	6.850	-1	1603	50	1.1
10607.8	10000	38.6574	94.5059	-650	PP	3.4	0	8.8	0	1.2	1	0.441	0	3.046	0	6.914	-1	1645	41	1.1
10607.9	10000	38.6580	94.5059	-650	PP	3.4	0	8.8	0	1.2	1	0.480	0	3.415	0	7.117	-1	1695	51	1.1
10608.0	10000	38.6586	94.5059	-653	PP	3.4	0	8.8	0	1.2	1	0.422	0	3.268	0	7.740	0	1770	54	1.1
10608.1	10000	38.6591	94.5059	-658	PP	3.3	0	8.5	0	1.1	0	0.385	0	2.962	0	7.693	0	1847	47	1.0

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10608.2	10000	38.6597	94.5059	-659	PP	3.7	1	9.0	0	1.2	0	0.406	0	3.097	0	7.621	0	1930	50	1.0
10608.3	10000	38.6603	94.5059	-656	PP	3.8	1	9.0	0	1.2	0	0.427	1	3.257	0	7.634	0	1982	49	1.0
10608.4	10000	38.6609	94.5059	-653	PP	4.0	1	9.0	0	1.2	0	0.447	1	3.465	1	7.753	0	1996	50	1.0
10608.5	10000	38.6615	94.5059	-649	PP	3.9	1	8.9	0	1.2	0	0.441	1	3.315	0	7.520	-1	2012	45	1.0
10608.6	10000	38.6621	94.5060	-645	PP	4.0	1	8.9	0	1.2	1	0.447	1	3.305	0	7.396	-1	2024	42	1.0
10608.7	10000	38.6627	94.5060	-642	PP	3.8	1	8.5	0	1.2	0	0.453	1	3.229	0	7.131	-1	2022	43	1.0
10608.8	10000	38.6633	94.5060	-640	PP	4.1	2	8.3	-1	1.2	0	0.494	1	3.542	1	7.174	-1	2030	49	1.0
10608.9	10000	38.6639	94.5060	-638	PP	4.1	2	8.5	0	1.1	0	0.481	1	3.664	1	7.610	-1	2036	44	1.0
10609.0	10000	38.6645	94.5060	-634	PP	4.1	1	8.8	0	1.1	0	0.462	1	3.733	1	8.077	0	2033	44	1.0
10609.1	10000	38.6650	94.5060	-631	PP	4.0	1	9.1	0	1.1	0	0.434	1	3.490	1	8.038	0	2049	42	1.0
10609.2	10000	38.6656	94.5060	-627	PP	3.8	1	9.3	0	1.1	0	0.411	1	3.475	1	8.459	0	2055	54	1.0
10609.3	10000	38.6662	94.5060	-623	PP	3.6	1	10.0	1	1.1	0	0.362	0	3.273	0	9.033	1	2054	52	1.1
10609.4	10000	38.6668	94.5060	-618	PP	3.6	1	9.8	1	1.1	0	0.371	0	3.332	0	8.980	1	2059	47	1.1
10609.5	10000	38.6674	94.5060	-614	PP	3.5	1	9.9	0	1.1	0	0.358	0	3.181	0	8.897	0	2049	58	1.1
10609.6	10000	38.6680	94.5061	-609	PP	3.4	1	9.8	0	1.1	0	0.343	0	2.965	0	8.651	0	2046	48	1.1
10609.7	10000	38.6686	94.5061	-605	PP	3.2	1	9.5	0	1.2	0	0.332	0	2.668	-1	8.040	0	2051	56	1.1
10609.8	10000	38.6692	94.5061	-601	PP	3.2	1	9.3	0	1.2	1	0.344	0	2.780	0	8.088	0	2049	56	1.1
10609.9	10000	38.6698	94.5061	-596	PP	3.1	1	9.7	0	1.2	1	0.328	-1	2.621	-1	8.000	0	2064	48	1.1
10610.0	10000	38.6704	94.5061	-591	PKC	3.1	1	9.4	0	1.2	1	0.327	-1	2.524	-1	7.715	0	2090	49	1.1
10610.1	10000	38.6709	94.5061	-586	PKC	3.1	1	9.3	0	1.3	1	0.332	-1	2.436	-1	7.338	-1	2111	47	1.1
10610.2	10000	38.6715	94.5061	-582	PKC	3.1	1	9.5	0	1.3	1	0.329	-1	2.485	-1	7.544	-1	2139	50	1.1
10610.3	10000	38.6721	94.5061	-577	PKC	3.1	1	9.8	0	1.3	1	0.298	-1	2.253	-1	7.572	-1	2150	54	1.1
10610.4	10000	38.6727	94.5061	-572	PKC	3.2	1	10.2	1	1.3	1	0.304	-1	2.414	-1	7.953	0	2166	51	1.1
10610.5	10000	38.6733	94.5061	-567	PKC	3.2	1	10.4	1	1.3	1	0.316	-1	2.564	-1	8.122	0	2174	47	1.1
10610.6	10000	38.6739	94.5062	-562	PKC	3.2	1	10.1	1	1.2	1	0.315	-1	2.544	-1	8.081	0	2150	58	1.1
10610.7	10000	38.6745	94.5062	-556	PKC	3.3	1	10.2	1	1.2	1	0.326	0	2.685	0	8.234	0	2126	51	1.1
10610.8	10000	38.6751	94.5062	-551	PKC	3.4	1	10.3	1	1.2	1	0.332	0	2.886	0	8.697	0	2097	45	1.1
10610.9	10000	38.6757	94.5062	-546	PKC	3.5	1	10.7	1	1.2	1	0.348	0	3.014	0	8.653	0	2080	33	1.1
10611.0	10000	38.6763	94.5062	-542	PKC	3.7	1	9.7	0	1.1	0	0.383	0	3.281	0	8.563	0	2062	52	1.1
10611.1	10000	38.6769	94.5062	-537	PKC	3.8	1	9.7	0	1.1	0	0.389	0	3.287	0	8.439	0	2052	55	1.1
10611.2	10000	38.6774	94.5062	-531	PKC	3.7	1	9.5	0	1.1	0	0.387	0	3.246	0	8.396	0	2031	53	1.1
10611.3	10000	38.6780	94.5062	-525	PKC	4.1	1	9.2	0	1.1	0	0.446	1	3.706	0	8.307	0	2021	38	1.1
10611.4	10000	38.6786	94.5063	-519	PKC	4.1	2	8.6	0	1.1	0	0.481	1	3.839	-1	7.976	0	2008	42	1.1
10611.5	10000	38.6792	94.5063	-514	PKC	4.2	2	8.0	0	1.1	0	0.522	1	3.835	-1	7.346	-1	1994	38	1.1
10611.6	10000	38.6798	94.5063	-509	PKC	4.0	2	7.6	0	1.1	0	0.529	1	3.729	-1	7.052	-1	1965	52	1.1
10611.7	10000	38.6804	94.5063	-504	PKC	4.0	2	7.3	-1	1.1	0	0.552	1	3.660	-1	6.627	-1	1959	53	1.1
10611.8	10000	38.6810	94.5063	-499	PKC	3.9	2	7.1	-1	1.1	0	0.550	1	3.613	-2	6.573	-1	1947	61	1.1
10611.9	10000	38.6816	94.5063	-494	PKC	3.8	2	7.1	-2	1.1	0	0.528	1	3.273	-2	6.197	-2	1953	56	1.1
10612.0	10000	38.6822	94.5063	-488	PKC	3.6	2	7.5	-2	1.2	0	0.488	1	2.980	-2	6.171	-2	1965	42	1.1
10612.1	10000	38.6828	94.5063	-482	PKC	3.7	2	7.5	-1	1.2	0	0.495	1	2.978	-2	6.020	-2	1984	49	1.1
10612.2	10000	38.6833	94.5063	-476	PKC	3.7	2	7.2	-1	1.3	0	0.453	1	2.974	-1	6.563	-1	2001	52	1.1
10612.3	10000	38.6839	94.5064	-470	PKC	3.7	2	6.8	-1	1.3	0	0.425	1	2.859	-1	6.736	-1	2025	49	1.1
10612.4	10000	38.6845	94.5064	-464	PKC	3.8	2	6.6	-1	1.3	0	0.421	1	3.022	-1	7.175	-1	2026	47	1.1
10612.5	10000	38.6851	94.5064	-458	PKC	3.8	2	6.5	-1	1.3	0	0.433	1	3.077	-1	7.106	-1	1992	38	1.1
10612.6	10000	38.6857	94.5064	-451	PKC	3.7	2	6.3	-1	1.3	0	0.434	1	3.242	-1	7.467	-1	1969	43	1.1
10612.7	10000	38.6863	94.5064	-445	PXC	3.8	2	6.2	-1	1.3	0	0.447	1	3.410	-1	7.624	-1	1945	29	1.1
10612.8	10000	38.6869	94.5064	-437	PKC	3.8	2	6.1	-1	1.3	0	0.477	1	3.856	-1	8.080	-1	1897	47	1.1
10612.9	10000	38.6875	94.5064	-431	PKC	3.8	2	6.0	-1	1.3	0	0.496	1	4.102	-1	8.266	0	1874	46	1.2
10613.0	10000	38.6881	94.5064	-424	PKC	3.8	2	5.8	-2	1.3	0	0.500	1	4.011	-1	8.017	0	1852	35	1.2
10613.1	10000	38.6887	94.5064	-418	PKC	3.7	2	5.7	-1	1.3	0	0.486	1	3.598	-1	7.401	-1	1841	51	1.2
10613.2	10000	38.6892	94.5065	-412	PKC	3.6	2	5.6	-1	1.3	0	0.474	1	3.577	-1	7.547	-1	1860	56	1.2
10613.3	10000	38.6898	94.5065	-407	PKC	3.6	2	5.6	-1	1.3	0	0.464	1	3.489	-1	7.524	-1	1881	56	1.2

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10613.4	10000	38.6904	94.5065	-402	PKC	3.5	0	8.0	-1	1.0	0	0.444	1	3.373	1	7.596	-1	1899	59	1.2
10613.5	10000	38.6910	94.5065	-398	PKC	3.2	0	8.1	-1	1.2	0	0.391	0	2.740	0	7.012	-1	1929	57	1.2
10613.6	10000	38.6916	94.5065	-394	PKC	3.0	-1	8.5	-1	1.2	1	0.353	0	2.425	-1	6.877	-1	1959	54	1.2
10613.7	10000	38.6922	94.5065	-389	PKC	3.1	0	9.2	0	1.2	1	0.333	0	2.474	-1	7.423	-1	1974	48	1.2
10613.8	10000	38.6928	94.5065	-385	PKC	3.1	0	9.5	0	1.2	1	0.327	0	2.539	-1	7.760	0	1984	57	1.2
10613.9	10000	38.6934	94.5065	-382	PKC	2.8	-1	9.6	0	1.3	1	0.296	-1	2.226	-1	7.526	-1	1998	63	1.2
10614.0	10000	38.6940	94.5065	-377	PKC	2.8	-1	9.3	0	1.3	1	0.301	-1	2.187	-1	7.258	-1	1987	54	1.2
10614.1	10000	38.6946	94.5066	-374	PKC	2.8	-1	9.6	0	1.3	1	0.292	-1	2.188	-1	7.485	-1	1983	45	1.2
10614.2	10000	38.6951	94.5066	-370	PKC	3.0	-1	9.8	0	1.3	1	0.301	-1	2.338	-1	7.768	0	1980	49	1.2
10614.3	10000	38.6957	94.5066	-366	PKC	3.1	0	9.3	0	1.2	0	0.330	0	2.527	-1	7.652	-1	1976	41	1.2
10614.4	10000	38.6963	94.5066	-361	PKC	3.0	-1	9.3	0	1.2	1	0.319	-1	2.404	-1	7.546	-1	1982	51	1.2
10614.5	10000	38.6969	94.5066	-356	PKC	3.1	0	9.3	0	1.3	1	0.333	0	2.427	-1	7.287	-1	1990	52	1.2
10614.6	10000	38.6975	94.5066	-352	PKC	3.3	0	9.3	0	1.2	1	0.349	0	2.606	-1	7.465	-1	2004	53	1.2
10614.7	10000	38.6981	94.5065	-349	PKC	3.2	0	9.2	0	1.2	1	0.355	0	2.632	0	7.407	-1	2029	59	1.2
10614.8	10000	38.6987	94.5065	-343	PKC	3.1	0	8.7	0	1.3	1	0.366	0	2.444	-1	6.680	-1	2035	50	1.2
10614.9	10000	38.6993	94.5065	-337	PKC	3.2	0	8.8	0	1.3	1	0.358	0	2.357	-1	6.579	-1	2052	46	1.2
10615.0	10000	38.7000	94.5065	-332	PKC	3.2	0	9.1	0	1.4	2	0.346	0	2.240	-1	6.471	-1	2057	53	1.2
10615.1	10000	38.7006	94.5065	-327	PKC	3.2	0	8.8	0	1.4	2	0.368	0	2.291	-1	6.229	-2	2066	47	1.2
10615.2	10000	38.7012	94.5065	-321	PKC	3.1	0	8.9	0	1.4	1	0.345	0	2.225	-1	6.442	-1	2059	58	1.2
10615.3	10000	38.7018	94.5065	-315	PKC	3.2	0	8.9	0	1.4	2	0.357	0	2.209	-1	6.185	-2	2061	49	1.2
10615.4	10000	38.7024	94.5064	-308	PKC	3.1	0	8.9	0	1.5	2	0.347	0	2.111	-1	6.077	-2	2059	45	1.2
10615.5	10000	38.7030	94.5064	-302	PKC	3.1	0	9.3	0	1.4	2	0.329	0	2.123	-1	6.447	-1	2057	56	1.2
10615.6	10000	38.7036	94.5064	-296	PKC	3.1	0	9.2	0	1.5	2	0.339	0	2.108	-1	6.220	-2	2060	49	1.2
10615.7	10000	38.7042	94.5064	-290	PKC	3.0	-1	9.2	0	1.5	2	0.325	0	2.023	-1	6.232	-2	2053	38	1.3
10615.8	10000	38.7048	94.5064	-283	PKC	2.9	-1	8.8	0	1.5	2	0.332	0	1.954	-1	5.882	-2	2041	42	1.3
10615.9	10000	38.7054	94.5064	-277	PKC	2.9	-1	8.4	-1	1.5	2	0.350	0	1.950	-1	5.577	-2	2042	55	1.3
10616.0	10000	38.7060	94.5063	-270	PKC	2.6	-1	8.7	-1	1.5	2	0.297	-1	1.735	-2	5.842	-2	2010	41	1.3
10616.1	10000	38.7066	94.5063	-263	PKC	2.5	-1	8.6	-1	1.4	2	0.297	-1	1.755	-2	5.918	-2	1985	41	1.3
10616.2	10000	38.7072	94.5063	-256	PKC	2.6	-1	8.2	-1	1.5	2	0.323	-1	1.809	-2	5.594	-2	1988	49	1.3
10616.3	10000	38.7078	94.5063	-249	PKC	2.3	-2	8.1	-1	1.4	2	0.283	-1	1.652	-2	5.838	-2	1954	39	1.3
10616.4	10000	38.7084	94.5063	-241	PKC	2.4	-2	8.0	-1	1.5	2	0.299	-1	1.768	-2	5.909	-2	1936	40	1.3
10616.5	10000	38.7090	94.5063	-233	PKC	2.2	-2	7.6	-2	1.4	2	0.261	-1	1.589	-2	6.078	-1	1923	59	1.3
10616.6	10000	38.7096	94.5063	-225	PKC	2.5	-2	8.2	-1	1.4	2	0.257	-1	1.661	-2	6.469	-1	1916	41	1.3
10616.7	10000	38.7102	94.5063	-219	PKC	2.2	-2	7.8	-1	1.4	2	0.302	-1	1.985	-2	6.576	-1	1909	53	1.3
10616.8	10000	38.7108	94.5062	-210	PKC	2.5	-2	8.1	-1	1.5	2	0.317	-1	2.154	-1	6.787	-1	1909	69	1.3
10616.9	10000	38.7114	94.5062	-201	PKC	2.7	-2	8.3	-1	1.5	2	0.286	-1	1.998	-2	6.995	-1	1916	55	1.3
10617.0	10000	38.7120	94.5062	-192	PKC	2.4	-2	8.1	-1	1.4	2	0.301	-1	2.168	-1	7.194	-1	1939	66	1.3
10617.1	10000	38.7126	94.5062	-184	PKC	2.5	-2	8.1	-1	1.4	2	0.266	-1	1.970	-2	7.396	-1	1972	58	1.3
10617.2	10000	38.7132	94.5062	-174	PKC	2.6	-2	8.1	-1	1.4	2	0.278	-1	2.165	-1	7.789	-1	1983	52	1.3
10617.3	10000	38.7138	94.5062	-168	PKC	2.7	-2	8.2	-1	1.4	2	0.270	-1	2.120	-1	7.851	-1	1999	53	1.3
10617.4	10000	38.7144	94.5061	-158	PKC	2.5	-2	8.1	-1	1.4	2	0.258	-1	1.990	-2	7.727	-1	2015	44	1.3
10617.5	10000	38.7150	94.5061	-149	PKC	2.4	-2	8.1	-1	1.4	2	0.242	-1	1.883	-2	7.781	-1	2021	53	1.3
10617.6	10000	38.7156	94.5061	-140	PKC	2.4	-2	8.1	-1	1.4	2	0.232	-1	1.841	-2	7.930	-1	2019	55	1.3
10617.7	10000	38.7162	94.5061	-130	PKC	2.5	-2	8.1	-1	1.4	2	0.226	-1	1.815	-2	8.046	-1	2005	45	1.3
10617.8	10000	38.7169	94.5061	-121	PKC	2.4	-2	8.1	-1	1.4	2	0.244	-1	1.976	-2	8.088	-1	1986	53	1.3
10617.9	10000	38.7175	94.5061	-116	PKC	2.5	-2	8.1	-1	1.4	2	0.238	-1	1.916	-2	8.056	-1	1971	55	1.3
10618.0	10000	38.7181	94.5061	-106	PKC	2.6	-2	8.1	-1	1.4	2	0.250	-1	1.981	-2	8.030	-1	1952	45	1.3
10618.1	10000	38.7187	94.5060	-102	PKC	2.5	-2	8.1	-1	1.4	2	0.264	-1	2.102	-1	7.969	-1	1944	49	1.3
10618.2	10000	38.7193	94.5060	-96	PKC	2.7	-1	8.1	-1	1.4	2	0.252	-1	1.979	-2	7.841	-1	1943	52	1.3
10618.3	10000	38.7199	94.5060	-90	PKC	2.7	-1	8.1	-1	1.4	2	0.280	-1	2.275	-1	8.113	-1	1926	52	1.3
10618.4	10000	38.7205	94.5060	-84	PKC	2.7	-1	8.1	-1	1.4	2	0.280	-1	2.256	-1	8.054	-1	1950	52	1.3
10618.5	10000	38.7211	94.5060	-80	PKC	2.6	-1	8.1	-1	1.4	2	0.283	-1	2.210	-1	7.811	-1	1948	41	1.3

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10618.6	10000	38.7217	94.5060	-76	PKC	2.8	-1	9.4	0	1.2	1	0.296	-1	2.280	-1	7.709	0	1942	31	1.3
10618.7	10000	38.7223	94.5060	-72	PKC	2.6	-1	9.2	0	1.3	1	0.279	-1	2.018	-1	7.225	-1	1959	56	1.3
10618.8	10000	38.7229	94.5059	-69	PKC	2.3	-2	9.1	0	1.3	1	0.257	-1	1.805	-2	7.029	-1	1959	54	1.3
10618.9	10000	38.7235	94.5059	-67	PKC	2.4	-2	9.3	0	1.3	1	0.253	-1	1.857	-2	7.345	-1	1941	57	1.3
10619.0	10000	38.7241	94.5059	-66	PKC	2.2	-2	8.9	0	1.2	1	0.253	-1	1.833	-2	7.236	-1	1926	55	1.3
10619.1	10000	38.7247	94.5059	-64	PKC	2.4	-2	9.1	0	1.2	1	0.258	-1	1.910	-2	7.388	-1	1895	48	1.3
10619.2	10000	38.7253	94.5059	-64	PKC	2.3	-2	9.0	0	1.2	0	0.256	-1	1.899	-2	7.414	-1	1891	51	1.3
10619.3	10000	38.7259	94.5059	-64	PKC	2.4	-2	9.1	0	1.2	0	0.265	-1	1.995	-1	7.532	-1	1902	49	1.3
10619.4	10000	38.7265	94.5058	-65	PKC	2.6	-1	9.4	0	1.2	0	0.275	-1	2.172	-1	7.899	0	1895	44	1.3
10619.5	10000	38.7271	94.5058	-66	PKC	2.7	-1	9.5	0	1.2	0	0.288	-1	2.329	-1	8.076	0	1901	56	1.3
10619.6	10000	38.7277	94.5058	-66	PKC	2.8	-1	9.6	0	1.2	0	0.291	-1	2.356	-1	8.107	0	1926	49	1.3
10619.7	10000	38.7283	94.5058	-66	PKC	2.8	-1	9.7	0	1.2	1	0.292	-1	2.282	-1	7.818	0	1950	35	1.3
10619.8	10000	38.7289	94.5058	-66	PKC	2.8	-1	9.3	0	1.2	1	0.305	-1	2.286	-1	7.487	-1	1974	48	1.3
10619.9	10000	38.7295	94.5058	-67	PKC	2.9	-1	9.6	0	1.3	1	0.306	-1	2.354	-1	7.680	-1	1996	60	1.3
10620.0	10000	38.7301	94.5058	-67	PKC	3.0	-1	9.6	0	1.3	1	0.313	-1	2.368	-1	7.574	-1	2001	48	1.3
10620.1	10000	38.7307	94.5057	-67	PKC	2.9	-1	9.4	0	1.2	0	0.306	-1	2.377	-1	7.770	0	1995	55	1.3
10620.2	10000	38.7313	94.5057	-67	PKC	2.9	-1	9.4	0	1.2	0	0.306	-1	2.357	-1	7.694	-1	1992	54	1.3
10620.3	10000	38.7319	94.5057	-67	PKC	2.9	-1	9.1	0	1.2	0	0.317	-1	2.444	-1	7.700	-1	1970	52	1.3
10620.4	10000	38.7325	94.5057	-66	PKC	3.0	0	9.6	0	1.2	0	0.317	-1	2.522	-1	7.965	0	1982	44	1.3
10620.5	10000	38.7331	94.5057	-66	PKC	3.0	0	9.8	0	1.2	0	0.310	-1	2.569	-1	8.290	0	1977	57	1.3
10620.6	10000	38.7337	94.5057	-65	PKC	2.9	-1	10.1	1	1.2	0	0.291	-1	2.490	-1	8.555	0	1961	39	1.3
10620.7	10000	38.7344	94.5056	-64	PKC	2.6	-1	9.9	0	1.2	0	0.264	-1	2.236	-1	8.460	0	1933	54	1.3
10620.8	10000	38.7350	94.5056	-63	PKC	2.8	-1	9.9	0	1.2	0	0.283	-1	2.392	-1	8.453	0	1909	47	1.3
10620.9	10000	38.7356	94.5056	-62	PKC	2.8	-1	9.9	0	1.1	0	0.278	-1	2.419	-1	8.692	0	1899	54	1.3
10621.0	10000	38.7362	94.5056	-61	PKC	2.8	-1	9.6	0	1.1	0	0.296	-1	2.479	-1	8.382	0	1905	47	1.3
10621.1	10000	38.7368	94.5056	-60	PKC	2.7	-1	9.4	0	1.1	0	0.291	-1	2.554	-1	8.766	0	1866	53	1.3
10621.2	10000	38.7374	94.5056	-58	PKC	2.7	-1	9.0	0	1.1	0	0.306	-1	2.531	-1	8.280	0	1840	49	1.3
10621.3	10000	38.7380	94.5056	-56	PKC	2.8	-1	9.0	0	1.1	0	0.308	-1	2.607	-1	8.451	0	1832	60	1.3
10621.4	10000	38.7386	94.5056	-55	PKC	2.9	-1	8.9	0	1.0	-1	0.321	0	2.814	0	8.757	0	1842	45	1.3
10621.5	10000	38.7392	94.5055	-53	PKC	2.6	-1	9.4	1	1.1	-1	0.282	-1	2.481	-1	8.791	0	1854	40	1.3
10621.6	10000	38.7398	94.5055	-51	PKC	2.6	-1	9.7	1	1.1	-1	0.283	-1	2.340	-1	8.278	0	1854	42	1.3
10621.7	10000	38.7404	94.5055	-49	PKC	2.5	-1	9.3	1	1.1	-1	0.261	-1	2.191	-1	8.389	0	1864	46	1.3
10621.8	10000	38.7410	94.5055	-47	PKC	2.4	-2	9.3	1	1.1	-1	0.254	-1	2.015	-1	7.947	0	1880	58	1.3
10621.9	10000	38.7416	94.5055	-45	PKC	2.3	-2	9.6	1	1.1	-1	0.238	-1	1.981	-1	8.330	0	1904	44	1.3
10622.0	10000	38.7422	94.5055	-43	PKC	2.5	-1	9.7	1	1.1	-1	0.269	-1	2.120	-1	7.877	0	1919	49	1.3
10622.1	10000	38.7428	94.5054	-41	PKC	2.5	-1	10.0	1	1.1	-1	0.279	-1	2.106	-1	7.544	0	1928	55	1.3
10622.2	10000	38.7434	94.5054	-40	PKC	2.5	-1	9.7	1	1.1	-1	0.283	-1	2.054	-1	7.252	-1	1941	47	1.3
10622.3	10000	38.7440	94.5054	-38	PKC	2.6	-1	9.9	1	1.1	-1	0.292	-1	2.212	-1	7.585	-1	1953	55	1.3
10622.4	10000	38.7446	94.5054	-36	PKC	2.9	-1	9.8	1	1.1	-1	0.327	-1	2.522	-1	7.725	-1	1958	50	1.3
10622.5	10000	38.7452	94.5054	-34	PKC	2.6	-1	9.8	1	1.1	-1	0.355	-1	2.792	-1	7.856	-1	1975	39	1.3
10622.6	10000	38.7458	94.5054	-33	PKC	2.8	-1	9.8	1	1.1	-1	0.360	-1	2.879	-1	8.006	-1	1970	43	1.3
10622.7	10000	38.7464	94.5054	-32	PKC	2.8	-1	9.8	1	1.1	-1	0.358	-1	2.802	-1	7.827	-1	1964	46	1.3
10622.8	10000	38.7470	94.5053	-30	PKC	2.8	-1	9.8	1	1.1	-1	0.352	-1	2.754	-1	7.821	-1	1970	42	1.3
10622.9	10000	38.7476	94.5053	-28	PKC	2.8	-1	9.8	1	1.1	-1	0.353	-1	2.813	-1	7.962	-1	1969	70	1.3
10623.0	10000	38.7482	94.5053	-26	PKC	2.8	-1	9.8	1	1.1	-1	0.337	-1	2.580	-1	7.659	-1	1976	47	1.3
10623.1	10000	38.7488	94.5053	-25	PKC	2.8	-1	9.8	1	1.1	-1	0.294	-1	2.214	-1	7.533	-1	1971	46	1.3
10623.2	10000	38.7494	94.5053	-24	PKC	2.7	-1	9.8	1	1.1	-1	0.274	-1	2.102	-1	7.662	-1	1980	49	1.3
10623.3	10000	38.7500	94.5053	-22	PKC	2.4	-2	9.8	1	1.1	-1	0.257	-1	1.940	-2	7.542	-1	1975	47	1.3
10623.4	10000	38.7506	94.5052	-21	PKC	2.4	-2	9.8	1	1.1	-2	0.247	-1	1.857	-2	7.515	-1	1974	67	1.3
10623.5	10000	38.7513	94.5052	-20	PKC	2.3	-2	9.8	1	1.1	-2	0.240	-1	1.932	-2	8.042	-1	1959	50	1.3
10623.6	10000	38.7519	94.5052	-18	PKC	2.6	-1	9.8	1	1.1	-1	0.276	-1	2.270	-1	8.233	-1	1942	39	1.3
10623.7	10000	38.7525	94.5052	-18	PKC	2.7	-1	9.8	1	1.1	-1	0.278	-1	2.479	-1	8.926	-1	1931	38	1.3

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10623.8	10000	38.7531	94.5052	-16	PKC	2.7	-1	9.3	0	1.1	0	0.287	-1	2.528	-1	8.815	0	1926	55	1.3
10623.9	10000	38.7537	94.5052	-16	PKC	2.5	-1	8.8	0	1.1	0	0.282	-1	2.343	-1	8.312	0	1907	44	1.3
10624.0	10000	38.7543	94.5052	-16	PKC	2.7	-1	9.0	0	1.1	0	0.300	-1	2.497	-1	8.321	0	1934	46	1.3
10624.1	10000	38.7549	94.5051	-17	PKC	2.7	-1	9.1	0	1.1	0	0.300	-1	2.486	-1	8.284	0	1960	40	1.3
10624.2	10000	38.7555	94.5051	-17	PKC	2.8	-1	8.9	0	1.1	0	0.310	-1	2.413	-1	7.783	0	2000	56	1.3
10624.3	10000	38.7561	94.5051	-18	PKC	2.7	-1	9.2	0	1.2	0	0.295	-1	2.231	-1	7.562	-1	2037	52	1.3
10624.4	10000	38.7567	94.5051	-19	PKC	2.8	-1	9.2	0	1.3	1	0.308	-1	2.210	-1	7.180	-1	2057	51	1.3
10624.5	10000	38.7573	94.5051	-20	PKC	2.9	-1	9.5	0	1.3	1	0.304	-1	2.250	-1	7.390	-1	2071	52	1.3
10624.6	10000	38.7579	94.5051	-21	PKC	3.0	-1	9.9	0	1.3	1	0.300	-1	2.289	-1	7.618	-1	2068	47	1.3
10624.7	10000	38.7585	94.5051	-23	PKC	3.0	-1	9.6	0	1.3	1	0.307	-1	2.324	-1	7.563	-1	2046	53	1.3
10624.8	10000	38.7591	94.5050	-25	PKC	2.8	-1	9.2	0	1.2	1	0.310	-1	2.321	-1	7.482	-1	2003	50	1.3
10624.9	10000	38.7597	94.5050	-27	PKC	2.9	-1	9.4	0	1.2	0	0.304	-1	2.428	-1	7.995	0	1986	45	1.3
10625.0	10000	38.7603	94.5050	-29	PKC	2.7	-1	9.6	0	1.1	0	0.283	-1	2.387	-1	8.362	0	1965	51	1.3
10625.1	10000	38.7609	94.5050	-32	PKC	2.5	-1	9.3	0	1.1	0	0.271	-1	2.252	-1	8.301	0	1945	46	1.3
10625.2	10000	38.7615	94.5050	-34	PKC	2.8	-1	9.0	0	1.1	0	0.309	-1	2.518	-1	7.832	0	1953	47	1.3
10625.3	10000	38.7621	94.5050	-38	PKC	2.7	-1	9.0	0	1.2	0	0.296	-1	2.218	-1	7.486	-1	1970	45	1.2
10625.4	10000	38.7627	94.5049	-40	PKC	2.8	-1	9.3	0	1.2	0	0.304	-1	2.436	-1	8.019	0	1988	53	1.2
10625.5	10000	38.7633	94.5049	-43	PKC	3.0	-1	9.9	0	1.2	0	0.301	-1	2.541	-1	8.440	0	2022	38	1.2
10625.6	10000	38.7639	94.5049	-46	PKC	3.1	0	9.7	0	1.2	0	0.320	-1	2.559	-1	8.002	0	2018	55	1.2
10625.7	10000	38.7645	94.5049	-49	PKC	3.2	0	9.7	0	1.2	0	0.324	0	2.617	-1	8.088	0	2026	48	1.2
10625.8	10000	38.7651	94.5049	-52	PKC	3.4	0	9.9	0	1.2	0	0.344	0	2.923	0	8.500	0	2044	38	1.2
10625.9	10000	38.7657	94.5049	-55	PKC	3.5	0	10.0	1	1.2	0	0.345	0	3.004	0	8.716	0	2039	54	1.2
10626.0	10000	38.7663	94.5049	-58	PKC	3.7	1	10.2	1	1.1	0	0.360	0	3.270	0	9.089	1	2051	56	1.2
10626.1	10000	38.7669	94.5049	-62	PKC	3.6	1	10.0	1	1.2	0	0.358	0	3.073	0	8.589	0	2049	50	1.2
10626.2	10000	38.7675	94.5048	-65	PKC	3.7	1	10.1	1	1.2	0	0.364	0	3.122	0	8.578	0	2036	60	1.2
10626.3	10000	38.7682	94.5048	-68	PKC	3.5	0	9.8	1	1.2	0	0.357	0	3.016	0	8.447	0	2012	36	1.2
10626.4	10000	38.7688	94.5048	-70	PKC	3.5	0	9.5	1	1.1	0	0.369	0	3.090	0	8.366	0	1987	53	1.2
10626.5	10000	38.7694	94.5048	-73	PKC	3.5	0	9.1	0	1.2	0	0.387	0	3.052	0	7.881	0	1966	57	1.2
10626.6	10000	38.7700	94.5048	-76	PKC	3.3	0	8.8	0	1.2	0	0.366	0	2.871	0	7.850	0	1945	47	1.2
10626.7	10000	38.7706	94.5048	-79	PKC	3.2	0	8.5	0	1.2	0	0.378	0	2.872	0	7.598	-1	1925	44	1.2
10626.8	10000	38.7712	94.5048	-82	PKC	3.1	0	8.3	0	1.2	0	0.381	0	2.670	0	7.015	-1	1924	48	1.2
10626.9	10000	38.7718	94.5048	-84	PKC	3.1	0	8.2	0	1.2	0	0.371	0	2.545	-1	6.853	-1	1923	48	1.2
10627.0	10000	38.7724	94.5048	-85	PKC	3.2	0	8.5	0	1.2	0	0.386	0	2.714	-1	7.022	-1	1941	39	1.2
10627.1	10000	38.7730	94.5048	-85	PKC	3.2	0	8.6	0	1.2	0	0.360	0	2.525	-1	7.020	-1	1958	41	1.2
10627.2	10000	38.7736	94.5048	-85	PKC	3.3	1	8.8	0	1.2	0	0.340	0	2.425	-1	7.124	-1	1954	54	1.2
10627.3	10000	38.7741	94.5048	-84	PKC	3.3	1	8.8	0	1.2	0	0.351	0	2.647	-1	7.535	-1	1962	49	1.2
10627.4	10000	38.7747	94.5048	-81	PKC	3.3	1	8.8	0	1.2	0	0.324	0	2.479	-1	7.654	-1	1962	42	1.2
10627.5	10000	38.7754	94.5048	-80	PKC	3.3	1	8.8	0	1.2	0	0.291	-1	2.383	-1	7.201	0	1943	46	1.2
10627.6	10000	38.7759	94.5048	-81	PKC	3.3	1	8.8	0	1.2	0	0.281	-1	2.362	-1	7.393	0	1938	50	1.2
10627.7	10000	38.7765	94.5048	-79	PKC	3.3	1	8.8	0	1.2	0	0.254	-1	2.148	-1	7.444	0	1926	47	1.2
10627.8	10000	38.7771	94.5048	-77	PKC	3.3	1	8.8	0	1.2	0	0.256	-1	2.138	-1	7.350	0	1925	44	1.2
10627.9	10000	38.7777	94.5048	-75	PKC	3.3	1	8.8	0	1.2	0	0.255	-1	2.189	-1	7.587	0	1939	53	1.2
10628.0	10000	38.7783	94.5048	-72	PKC	3.3	1	8.8	0	1.2	0	0.261	-1	2.126	-1	7.144	0	1949	48	1.2
10628.1	10000	38.7789	94.5048	-70	PKC	3.3	1	8.8	0	1.2	0	0.295	-1	2.466	-1	7.348	0	1952	45	1.2
10628.2	10000	38.7795	94.5048	-68	PKC	3.3	1	8.8	0	1.2	0	0.338	-1	2.831	-1	7.373	0	1962	44	1.1
10628.3	10000	38.7801	94.5048	-67	PKC	3.3	1	8.8	0	1.2	0	0.351	-1	2.933	-1	7.366	0	1971	51	1.1
10628.4	10000	38.7807	94.5048	-66	PKC	3.3	1	8.8	0	1.2	0	0.367	-1	2.917	-1	7.949	0	1982	48	1.1
10628.5	10000	38.7813	94.5048	-65	PKC	3.3	1	8.8	0	1.2	0	0.374	-1	2.993	-1	8.001	0	1971	54	1.1
10628.6	10000	38.7819	94.5048	-64	PKC	3.3	1	8.8	0	1.2	0	0.331	-1	2.674	-1	7.880	0	1971	52	1.1
10628.7	10000	38.7825	94.5048	-64	PKC	3.3	1	8.8	0	1.2	0	0.313	-1	2.473	-1	7.899	0	1970	52	1.1
10628.8	10000	38.7831	94.5048	-64	PKC	3.3	1	8.8	0	1.2	0	0.304	-1	2.242	-1	7.385	-1	1966	55	1.1
10628.9	10000	38.7837	94.5048	-64	PKC	3.3	1	8.8	0	1.2	0	0.306	-1	2.224	-1	7.257	-1	1973	35	1.1

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10629.0	10000	38.7843	94.5048	-64	PKC	2.9	-1	9.7	0	1.3	1	0.304	-1	2.228	-1	7.336	-1	1979	51	1.1
10629.1	10000	38.7849	94.5048	-66	PKC	2.9	-1	9.6	0	1.3	1	0.305	-1	2.286	-1	7.502	-1	1965	48	1.1
10629.2	10000	38.7855	94.5048	-66	PKC	3.0	-1	9.5	0	1.3	1	0.316	-1	2.270	-1	7.174	-1	1971	42	1.1
10629.3	10000	38.7861	94.5048	-67	PKC	3.0	-1	9.1	0	1.3	1	0.330	0	2.252	-1	6.820	-1	1954	50	1.1
10629.4	10000	38.7867	94.5048	-67	PKC	3.1	0	8.9	0	1.2	1	0.345	0	2.463	-1	7.144	-1	1945	55	1.1
10629.5	10000	38.7873	94.5048	-68	PKC	3.3	0	9.5	0	1.3	1	0.347	0	2.588	-1	7.460	-1	1955	50	1.1
10629.6	10000	38.7879	94.5048	-68	PKC	3.0	0	9.5	0	1.2	1	0.318	-1	2.428	-1	7.646	-1	1943	66	1.1
10629.7	10000	38.7885	94.5048	-69	PKC	3.0	-1	9.2	0	1.2	0	0.326	0	2.465	-1	7.570	-1	1928	45	1.1
10629.8	10000	38.7891	94.5048	-69	PKC	3.0	-1	9.5	0	1.2	1	0.314	-1	2.414	-1	7.685	-1	1921	44	1.1
10629.9	10000	38.7897	94.5048	-70	PKC	2.8	-1	9.4	0	1.2	0	0.300	-1	2.326	-1	7.764	0	1909	57	1.1
10630.0	10000	38.7903	94.5048	-71	PKC	3.1	0	9.4	0	1.2	0	0.329	0	2.561	-1	7.780	0	1901	68	1.1
10630.1	10000	38.7909	94.5048	-71	PKC	2.9	-1	9.4	0	1.2	0	0.305	-1	2.365	-1	7.763	0	1870	48	1.1
10630.2	10000	38.7915	94.5048	-72	PKC	2.5	-1	9.1	0	1.2	0	0.276	-1	2.090	-1	7.580	-1	1848	38	1.1
10630.3	10000	38.7921	94.5048	-73	PKC	2.4	-2	9.2	0	1.2	0	0.263	-1	1.982	-1	7.545	-1	1841	50	1.1
10630.4	10000	38.7927	94.5048	-73	PKC	2.1	-2	9.5	0	1.2	0	0.219	-2	1.732	-2	7.895	0	1843	61	1.1
10630.5	10000	38.7933	94.5048	-74	PKC	2.1	-2	9.1	0	1.2	0	0.231	-2	1.783	-2	7.733	0	1851	49	1.1
10630.6	10000	38.7939	94.5048	-75	PKC	2.3	-2	9.1	0	1.2	0	0.256	-1	1.979	-1	7.731	0	1864	32	1.1
10630.7	10000	38.7945	94.5048	-76	PKC	2.3	-2	9.2	0	1.1	0	0.246	-1	2.007	-1	8.164	0	1880	52	1.1
10630.8	10000	38.7951	94.5048	-77	PKC	2.4	-2	9.0	0	1.2	0	0.269	-1	2.072	-1	7.704	0	1910	56	1.1
10630.9	10000	38.7957	94.5049	-79	PKC	2.4	-2	9.1	0	1.2	0	0.268	-1	2.110	-1	7.873	0	1926	58	1.1
10631.0	10000	38.7962	94.5049	-81	PKC	2.6	-1	9.1	0	1.2	0	0.290	-1	2.242	-1	7.721	0	1921	46	1.1
10631.1	10000	38.7969	94.5049	-84	PKC	2.8	-1	8.6	-1	1.2	0	0.331	0	2.348	-1	7.097	-1	1917	52	1.1
10631.2	10000	38.7974	94.5049	-87	PKC	2.9	-1	8.7	-1	1.2	0	0.335	0	2.446	-1	7.301	-1	1920	56	1.1
10631.3	10000	38.7980	94.5049	-90	PKC	2.9	-1	8.8	0	1.2	0	0.334	0	2.429	-1	7.281	-1	1907	57	1.1
10631.4	10000	38.7986	94.5049	-94	PKC	2.9	-1	8.7	0	1.2	0	0.332	0	2.404	-1	7.252	-1	1888	56	1.1
10631.5	10000	38.7992	94.5049	-99	PKC	2.8	-1	8.6	-1	1.2	0	0.326	0	2.407	-1	7.386	-1	1865	56	1.1
10631.6	10000	38.7998	94.5049	-105	PKC	3.0	0	8.6	-1	1.1	0	0.356	0	2.715	0	7.632	-1	1846	50	1.1
10631.7	10000	38.8004	94.5049	-111	PKC	3.2	0	8.8	0	1.2	0	0.363	0	2.715	0	7.632	-1	1846	50	1.1
10631.8	10000	38.8010	94.5049	-118	PKC	3.4	0	8.8	0	1.2	0	0.391	0	2.934	0	7.934	-1	1848	44	1.1
10631.9	10000	38.8016	94.5049	-125	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10632.0	10000	38.8022	94.5049	-133	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10632.1	10000	38.8028	94.5049	-141	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10632.2	10000	38.8034	94.5049	-150	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10632.3	10000	38.8040	94.5049	-159	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10632.4	10000	38.8046	94.5049	-169	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10632.5	10000	38.8052	94.5049	-179	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10632.6	10000	38.8058	94.5049	-189	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10632.7	10000	38.8064	94.5049	-200	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10632.8	10000	38.8070	94.5049	-211	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10632.9	10000	38.8076	94.5049	-221	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10633.0	10000	38.8082	94.5049	-232	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10633.1	10000	38.8088	94.5049	-243	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10633.2	10000	38.8094	94.5049	-254	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10633.3	10000	38.8100	94.5049	-265	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10633.4	10000	38.8106	94.5049	-276	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10633.5	10000	38.8112	94.5049	-287	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10633.6	10000	38.8118	94.5049	-299	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10633.7	10000	38.8124	94.5049	-309	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10633.8	10000	38.8130	94.5049	-319	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10633.9	10000	38.8136	94.5049	-332	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10634.0	10000	38.8142	94.5049	-350	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1
10634.1	10000	38.8148	94.5049	-367	PKC	3.4	0	8.8	0	1.2	0	0.386	0	2.934	0	7.934	-1	1848	44	1.1

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10634.2	10000	38.8154	94.5049	-381	PKC	2.9	-1	7.5	-1	1.0	-1	0.387	0	2.804	0	7.238	-1	1710	36	1.1
10634.3	10000	38.8160	94.5049	-394	PKC	2.8	-1	8.0	-1	1.0	0	0.353	0	2.702	0	7.662	-1	1748	51	1.1
10634.4	10000	38.8166	94.5049	-407	PKC	2.8	-1	8.3	-1	1.1	0	0.336	0	2.450	-1	7.282	-1	1786	53	1.1
10634.5	10000	38.8172	94.5049	-420	PKC	2.7	-1	8.4	-1	1.2	0	0.322	0	2.273	-1	7.064	-1	1817	52	1.1
10634.6	10000	38.8178	94.5049	-435	PKC	2.5	-1	8.6	-1	1.2	0	0.292	-1	2.161	-1	7.393	-1	1832	44	1.1
10634.7	10000	38.8184	94.5049	-450	PKC	2.5	-1	8.7	-1	1.1	0	0.287	-1	2.247	-1	7.836	0	1850	44	1.1
10634.8	10000	38.8190	94.5049	-464	PKC	2.6	-1	8.7	0	1.1	0	0.296	-1	2.288	-1	7.719	0	1844	50	1.1
10634.9	10000	38.8196	94.5049	-477	PKC	2.6	-1	8.4	-1	1.1	0	0.308	-1	2.464	-1	7.991	0	1803	62	1.1
10635.0	10000	38.8202	94.5049	-489	PKC	2.5	-1	8.2	-1	1.0	-1	0.308	-1	2.485	-1	8.068	0	1757	54	1.2
10635.1	10000	38.8208	94.5049	-500	PKC	2.6	-1	8.1	-1	1.0	-1	0.325	0	2.759	0	8.495	0	1720	43	1.2
10635.2	10000	38.8214	94.5049	-515	PKC	2.5	-1	7.6	-1	1.0	-1	0.330	-1	2.621	-1	7.937	0	1692	57	1.2
10635.3	10000	38.8219	94.5049	-532	PKC	2.7	-1	7.2	-2	1.0	-1	0.382	0	2.791	0	7.314	-1	1674	52	1.2
10635.4	10000	38.8225	94.5049	-548	PKC	2.7	-1	7.0	-2	1.0	-1	0.389	0	2.685	0	6.894	-1	1681	49	1.2
10635.5	10000	38.8231	94.5049	-561	PKC	3.1	0	6.6	-2	1.0	-1	0.464	0	3.089	0	6.659	-1	1714	62	1.2
10635.6	10000	38.8237	94.5049	-575	PKC	3.3	0	6.9	-2	1.1	0	0.480	1	3.122	0	6.504	-1	1755	54	1.2
10635.7	10000	38.8243	94.5049	-585	PKC	3.6	0	7.3	-2	1.1	0	0.497	1	3.352	1	6.741	-1	1815	57	1.2
10635.8	10000	38.8249	94.5049	-593	PKC	3.4	0	7.7	-1	1.0	0	0.443	1	3.247	0	7.335	-1	1843	47	1.2
10635.9	10000	38.8255	94.5049	-598	PKC	3.8	0	8.0	-1	1.1	0	0.476	1	3.589	1	7.534	-1	1885	56	1.2
10636.0	10000	38.8261	94.5050	-603	PKC	3.7	0	7.8	-1	1.1	0	0.472	1	3.476	1	7.367	-1	1896	42	1.2
10636.1	10000	38.8267	94.5050	-607	PKC	3.9	0	7.9	-1	1.0	-1	0.498	1	3.973	1	7.984	0	1885	61	1.2
10636.2	10000	38.8273	94.5050	-611	PKC	3.6	0	8.2	-1	1.0	-1	0.443	1	3.594	1	8.115	0	1864	72	1.2
10636.3	10000	38.8279	94.5050	-613	PKC	3.3	0	8.2	-1	1.0	-1	0.402	1	3.413	1	8.500	0	1837	46	1.2
10636.4	10000	38.8285	94.5050	-614	PKC	3.2	0	8.3	-1	0.9	-1	0.381	1	3.362	1	8.823	0	1810	58	1.2
10636.5	10000	38.8291	94.5050	-615	PKC	3.3	0	8.3	-1	1.0	-1	0.391	1	3.212	1	8.211	0	1908	52	1.2
10636.6	10000	38.8297	94.5050	-616	PKC	2.9	-1	8.4	-1	1.0	-1	0.344	0	2.990	0	8.679	0	1764	48	1.2
10636.7	10000	38.8303	94.5050	-617	PKC	3.1	0	8.8	0	0.9	-1	0.348	0	3.223	0	9.262	1	1762	41	1.2
10636.8	10000	38.8309	94.5050	-617	PKC	2.9	-1	8.8	0	1.0	-1	0.333	0	3.009	0	9.028	1	1765	52	1.2
10636.9	10000	38.8315	94.5050	-617	PKC	3.0	-1	9.2	0	1.0	-1	0.325	0	2.934	0	9.020	1	1776	45	1.2
10637.0	10000	38.8321	94.5050	-616	PKC	2.8	-1	9.2	0	1.1	0	0.304	-1	2.627	-1	8.631	0	1797	41	1.2
10637.1	10000	38.8327	94.5050	-615	PKC	2.5	-1	9.0	0	1.1	0	0.279	-1	2.140	-1	7.683	-1	1825	45	1.2
10637.2	10000	38.8333	94.5050	-615	PKC	2.5	-1	8.9	0	1.1	0	0.278	-1	2.128	-1	7.646	-1	1839	59	1.2
10637.3	10000	38.8339	94.5050	-614	PKC	2.7	-1	9.2	0	1.1	0	0.292	-1	2.173	-1	7.447	-1	1878	48	1.2
10637.4	10000	38.8345	94.5050	-612	PKC	3.3	0	9.2	0	1.1	0	0.256	-1	1.878	-2	7.333	-1	1898	53	1.2
10637.5	10000	38.8351	94.5050	-611	PKC	3.4	0	9.2	0	1.1	0	0.250	-1	1.816	-2	7.261	-1	1910	60	1.2
10637.6	10000	38.8357	94.5050	-610	PKC	3.3	0	9.2	0	1.1	0	0.246	-1	1.774	-2	7.222	-1	1915	50	1.2
10637.7	10000	38.8363	94.5050	-608	PKC	3.3	0	9.2	0	1.1	0	0.266	-1	1.945	-2	7.308	-1	1926	62	1.2
10637.8	10000	38.8369	94.5050	-608	PKC	3.3	0	9.2	0	1.1	0	0.278	-1	2.190	-1	7.883	0	1922	48	1.2
10637.9	10000	38.8375	94.5050	-607	PKC	3.3	0	9.2	0	1.1	0	0.314	-1	2.352	-1	7.478	-1	1926	47	1.2
10638.0	10000	38.8381	94.5050	-607	PKC	3.3	0	9.2	0	1.1	0	0.330	-1	2.494	-1	7.548	-1	1926	41	1.2
10638.1	10000	38.8387	94.5050	-608	PKC	3.3	0	9.2	0	1.1	0	0.341	-1	2.578	-1	7.550	-1	1930	53	1.2
10638.2	10000	38.8393	94.5050	-609	PKC	3.3	0	9.2	0	1.1	0	0.355	-1	2.543	-1	7.162	-1	1940	57	1.2
10638.3	10000	38.8399	94.5050	-610	PKC	3.3	0	9.2	0	1.1	0	0.398	0	2.910	0	7.313	-1	1938	48	1.2
10638.4	10000	38.8405	94.5050	-612	PKC	3.3	0	9.2	0	1.1	0	0.390	0	2.945	0	7.548	-1	1915	66	1.2
10638.5	10000	38.8411	94.5050	-615	PKC	3.3	0	9.2	0	1.1	0	0.413	0	3.057	0	7.398	-1	1902	42	1.2
10638.6	10000	38.8417	94.5050	-618	PKC	3.3	0	9.2	0	1.1	0	0.374	0	2.944	0	7.878	0	1874	53	1.2
10638.7	10000	38.8423	94.5050	-622	PKC	3.3	0	9.2	0	1.1	0	0.372	0	2.841	0	7.633	-1	1849	58	1.2
10638.8	10000	38.8429	94.5050	-627	PKC	3.3	0	9.2	0	1.1	0	0.396	0	3.030	0	7.651	-1	1849	56	1.2
10638.9	10000	38.8435	94.5050	-631	PKC	3.3	0	9.2	0	1.1	0	0.356	0	2.883	0	8.590	0	1840	53	1.2
10639.0	10000	38.8441	94.5050	-636	PKC	3.3	0	9.2	0	1.1	0	0.339	0	2.884	0	8.367	0	1833	48	1.2
10639.1	10000	38.8447	94.5050	-641	PKC	3.3	0	9.2	0	1.1	0	0.371	0	2.873	0	7.778	-1	1856	60	1.2
10639.2	10000	38.8452	94.5050	-647	PKC	3.3	0	9.2	0	1.1	0	0.372	0	2.961	0	7.726	-1	1870	42	1.2
10639.3	10000	38.8458	94.5050	-652	PKC	3.3	0	9.2	0	1.1	0	0.398	0	2.961	0	7.436	-1	1914	57	1.3

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10639.4	10000	38.8464	94.5050	-657	PKC	3.6	1	9.5	0	1.2	0	0.382	0	3.018	0	7.902	0	1944	46	1.3
10639.5	10000	38.8470	94.5050	-663	PKC	3.3	0	9.6	0	1.2	0	0.349	0	2.787	0	7.981	0	1954	49	1.3
10639.6	10000	38.8476	94.5050	-670	PKC	3.6	1	9.2	0	1.2	0	0.390	0	3.005	0	7.705	0	1969	48	1.3
10639.7	10000	38.8482	94.5050	-675	PKC	3.4	0	9.1	0	1.2	1	0.379	0	2.807	0	7.405	-1	2000	45	1.3
10639.8	10000	38.8488	94.5050	-681	PKC	3.4	0	9.7	0	1.2	1	0.354	0	2.768	0	7.819	0	1992	51	1.3
10639.9	10000	38.8494	94.5050	-687	PKC	3.0	-1	9.5	0	1.2	0	0.315	-1	2.502	-1	7.935	0	1978	45	1.3
10640.0	10000	38.8500	94.5050	-693	PKC	2.9	-1	9.9	0	1.2	0	0.291	-1	2.487	-1	8.548	0	1954	46	1.3
10640.1	10000	38.8506	94.5050	-699	PKC	2.6	-1	9.8	0	1.2	0	0.265	-1	2.206	-1	8.332	0	1938	56	1.3
10640.2	10000	38.8512	94.5050	-705	PKC	2.4	-2	9.4	0	1.2	0	0.258	-1	2.053	-1	7.949	0	1905	43	1.3
10640.3	10000	38.8518	94.5051	-711	PKC	2.3	-2	8.8	0	1.2	0	0.264	-1	1.999	-1	7.568	-1	1868	52	1.3
10640.4	10000	38.8524	94.5051	-717	PKC	2.5	-1	8.7	0	1.1	0	0.284	-1	2.225	-1	7.821	0	1825	53	1.3
10640.5	10000	38.8530	94.5051	-723	PKC	2.5	-1	8.6	-1	1.1	0	0.291	-1	2.344	-1	8.064	0	1793	45	1.3
10640.6	10000	38.8536	94.5051	-727	PKC	2.9	-1	8.1	-1	1.1	0	0.363	0	2.749	0	7.569	-1	1777	55	1.3
10640.7	10000	38.8542	94.5051	-732	PKC	3.1	0	7.6	-1	1.1	0	0.405	1	2.837	0	7.001	-1	1767	43	1.3
10640.8	10000	38.8548	94.5051	-737	PKC	3.2	0	7.4	-2	1.1	0	0.431	1	2.985	0	6.923	-1	1761	47	1.3
10640.9	10000	38.8554	94.5051	-742	PKC	3.4	0	7.9	-1	1.0	-1	0.434	1	3.412	1	7.862	0	1775	55	1.3
10641.0	10000	38.8561	94.5050	-748	PKC	3.4	0	8.2	-1	1.0	-1	0.418	1	3.347	1	8.016	0	1805	63	1.3
10641.1	10000	38.8567	94.5050	-754	PKC	3.7	0	8.1	-1	1.1	0	0.456	1	3.423	1	7.515	-1	1842	48	1.3
10641.2	10000	38.8573	94.5050	-759	PKC	3.5	0	7.4	-2	1.1	0	0.476	1	3.133	0	6.579	-1	1872	37	1.3
10641.3	10000	38.8579	94.5050	-763	PKC	3.3	0	8.0	-1	1.2	0	0.414	1	2.773	0	6.694	-1	1901	49	1.3
10641.4	10000	38.8585	94.5050	-767	PKC	3.3	0	8.2	-1	1.2	1	0.406	1	2.729	0	6.719	-1	1946	42	1.3
10641.5	10000	38.8591	94.5050	-771	PKC	3.3	0	8.3	-1	1.3	1	0.399	0	2.632	0	6.596	-1	1979	46	1.3
10641.6	10000	38.8598	94.5050	-774	PKC	3.3	0	7.9	-1	1.4	1	0.415	1	2.423	-1	5.838	-2	1970	53	1.3
10641.7	10000	38.8604	94.5050	-777	PKC	3.2	0	7.8	-1	1.3	1	0.409	1	2.393	-1	5.847	-2	1941	58	1.3
10641.8	10000	38.8610	94.5050	-780	PKC	2.9	-1	8.2	-1	1.3	1	0.350	0	2.222	-1	6.341	-2	1912	49	1.4
10641.9	10000	38.8616	94.5050	-783	PKC	3.1	0	8.4	-1	1.3	1	0.367	0	2.452	-1	6.674	-1	1896	55	1.4
10642.0	10000	38.8623	94.5050	-786	PKC	3.0	0	8.2	-1	1.3	1	0.360	0	2.490	-1	6.926	-1	1897	42	1.4
10642.1	10000	38.8629	94.5050	-789	PKC	3.0	0	8.4	-1	1.3	1	0.334	0	2.503	-1	7.492	-1	1878	49	1.4
10642.2	10000	38.8635	94.5050	-790	PKC	2.8	-1	8.2	-1	1.3	1	0.302	0	2.382	-1	7.894	0	1874	44	1.4
10642.3	10000	38.8641	94.5050	-792	PKC	2.8	-1	8.2	-1	1.3	1	0.293	0	2.413	-1	8.232	0	1890	49	1.4
10642.4	10000	38.8647	94.5050	-792	PKC	2.8	-1	8.2	-1	1.3	1	0.275	0	2.369	-1	8.613	0	1910	51	1.4
10642.5	10000	38.8654	94.5049	-793	PKC	2.8	-1	8.2	-1	1.3	1	0.281	0	2.357	-1	8.164	1	1912	41	1.4
10642.6	10000	38.8660	94.5049	-793	PKC	2.8	-1	8.2	-1	1.3	1	0.275	0	2.287	-1	8.986	1	1919	53	1.4
10642.7	10000	38.8666	94.5049	-794	PKC	2.8	-1	8.2	-1	1.3	1	0.287	0	2.352	-1	9.156	1	1904	54	1.4
10642.8	10000	38.8672	94.5049	-795	PKC	2.8	-1	8.2	-1	1.3	1	0.287	0	2.352	-1	9.539	1	1886	49	1.4
10642.9	10000	38.8678	94.5049	-795	PKC	2.8	-1	8.2	-1	1.3	1	0.352	0	2.402	-1	9.552	1	1873	51	1.4
10643.0	10000	38.8685	94.5049	-794	PKC	2.8	-1	8.2	-1	1.3	1	0.415	0	2.426	-1	9.119	1	1869	43	1.4
10643.1	10000	38.8691	94.5049	-794	PKC	2.8	-1	8.2	-1	1.3	1	0.426	0	2.403	-1	9.447	1	1859	45	1.4
10643.2	10000	38.8697	94.5049	-793	PKC	2.8	-1	8.2	-1	1.3	1	0.403	0	2.431	-1	7.553	0	1869	42	1.4
10643.3	10000	38.8703	94.5049	-792	PKC	2.8	-1	8.2	-1	1.3	1	0.431	0	2.463	-1	7.816	0	1881	58	1.4
10643.4	10000	38.8709	94.5049	-791	PKC	2.8	-1	8.2	-1	1.3	1	0.463	0	2.480	-1	7.173	0	1900	51	1.4
10643.5	10000	38.8716	94.5049	-789	PKC	2.8	-1	8.2	-1	1.3	1	0.480	0	2.468	-1	7.109	0	1927	38	1.4
10643.6	10000	38.8722	94.5049	-789	PKC	2.8	-1	8.2	-1	1.3	1	0.468	0	2.461	-1	7.078	0	1935	61	1.4
10643.7	10000	38.8728	94.5049	-787	PKC	2.8	-1	8.2	-1	1.3	1	0.461	0	2.433	-1	7.086	0	1939	48	1.4
10643.8	10000	38.8734	94.5049	-785	PKC	2.8	-1	8.2	-1	1.3	1	0.433	0	2.421	-1	7.086	0	1951	56	1.4
10643.9	10000	38.8740	94.5049	-783	PKC	2.8	-1	8.2	-1	1.3	1	0.421	0	2.446	-1	7.497	0	1938	69	1.4
10644.0	10000	38.8747	94.5049	-781	PKC	2.8	-1	8.2	-1	1.3	1	0.446	0	2.426	-1	7.548	0	1913	46	1.4
10644.1	10000	38.8753	94.5049	-778	PKC	2.8	-1	8.2	-1	1.3	1	0.426	0	2.440	-1	7.084	0	1879	47	1.4
10644.2	10000	38.8759	94.5048	-775	PKC	2.8	-1	8.2	-1	1.3	1	0.440	0	2.437	-1	7.037	0	1829	49	1.4
10644.3	10000	38.8765	94.5048	-773	PKC	2.8	-1	8.2	-1	1.3	1	0.437	0	2.482	-1	7.092	0	1787	46	1.4
10644.4	10000	38.8771	94.5048	-772	PKC	2.8	-1	8.2	-1	1.3	1	0.482	0	2.482	-1	7.075	0	1752	52	1.4
10644.5	10000	38.8778	94.5048	-770	PKC	2.8	-1	8.2	-1	1.3	1	0.482	0	2.482	-1	7.075	0	1739	48	1.4

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10644.6	10000	38.8784	94.5048	-769	PKC	3.4	0	6.9	-2	1.0	-1	0.490	2	3.454	1	7.053	-1	1719	48	1.4
10644.7	10000	38.8790	94.5048	-767	PKC	3.4	0	6.6	-2	1.0	-1	0.517	2	3.539	1	6.850	-1	1734	55	1.4
10644.8	10000	38.8796	94.5048	-766	PKC	3.4	0	7.3	-2	0.9	-1	0.469	1	3.748	1	7.995	0	1760	44	1.4
10644.9	10000	38.8803	94.5048	-764	PKC	3.7	1	7.6	-1	0.9	-2	0.492	2	4.363	2	8.858	0	1797	63	1.4
10645.0	11000	38.8809	94.5048	-763	PKC	3.8	1	7.7	-1	0.9	-1	0.498	2	4.140	2	8.311	0	1839	38	1.5
10645.1	11000	38.8815	94.5048	-761	PKC	4.1	1	8.2	-1	1.0	-1	0.497	2	4.218	2	8.495	0	1879	46	1.5
10645.2	11000	38.8821	94.5048	-759	PKC	3.7	1	7.9	-1	1.0	-1	0.474	1	3.630	1	7.663	-1	1899	48	1.5
10645.3	11000	38.8827	94.5048	-757	PKC	3.9	1	7.9	-1	1.1	0	0.496	2	3.631	1	7.315	-1	1925	50	1.5
10645.4	11000	38.8834	94.5048	-755	PKC	4.0	1	7.9	-1	1.1	0	0.509	2	3.577	1	7.027	-1	1914	54	1.5
10645.5	11000	38.8840	94.5048	-753	PKC	4.0	1	6.9	-2	1.1	0	0.574	3	3.518	1	6.132	-2	1918	52	1.5
10645.6	11000	38.8846	94.5048	-751	PKC	3.9	1	6.9	-2	1.2	0	0.564	3	3.326	1	5.900	-2	1913	54	1.5
10645.7	11000	38.8852	94.5047	-748	CULTRL	3.4	999	6.8	999	1.2	999	0.495	999	2.915	999	5.891	999	1902	54	1.5
10645.8	11000	38.8858	94.5047	-746	CULTRL	3.0	999	7.3	999	1.1	999	0.408	999	2.632	999	6.448	999	1881	57	1.5
10645.9	11000	38.8865	94.5047	-743	CULTRL	3.0	999	7.3	999	1.1	999	0.409	999	2.660	999	6.506	999	1856	57	1.5
10646.0	11000	38.8871	94.5047	-741	CULTRL	2.9	999	7.1	999	1.2	999	0.404	999	2.399	999	5.939	999	1852	45	1.5
10646.1	11000	38.8877	94.5047	-739	CULTRL	3.0	999	7.1	999	1.2	999	0.421	999	2.472	999	5.873	999	1861	74	1.5
10646.2	11000	38.8883	94.5047	-737	CULTRL	2.5	999	7.7	999	1.2	999	0.326	999	2.101	999	6.447	999	1861	71	1.5
10646.3	11000	38.8889	94.5047	-734	CULTRL	2.4	999	7.6	999	1.2	999	0.310	999	1.899	999	6.121	999	1849	51	1.5
10646.4	11000	38.8896	94.5047	-732	CULTRL	2.7	999	8.0	999	1.2	999	0.334	999	2.203	999	6.586	999	1835	45	1.5
10646.5	11000	38.8902	94.5047	-730	CULTRL	2.8	999	7.5	999	1.3	999	0.377	999	2.224	999	5.899	999	1829	47	1.5
10646.6	11000	38.8908	94.5047	-727	CULTRL	2.7	999	8.1	999	1.3	999	0.333	999	2.133	999	6.399	999	1842	48	1.5
10646.7	11000	38.8914	94.5047	-724	CULTRL	2.8	999	8.1	999	1.1	999	0.343	999	2.428	999	7.081	999	1852	44	1.5
10646.8	11000	38.8920	94.5047	-724	CULTRL	2.5	999	8.5	999	1.1	999	0.294	999	2.316	999	7.871	999	1861	62	1.5
10646.9	11000	38.8927	94.5047	-727	CULTRL	2.8	999	8.5	999	1.1	999	0.328	999	2.500	999	7.623	999	1885	54	1.5
10647.0	11000	38.8933	94.5047	-728	CULTRL	3.0	999	8.7	999	1.1	999	0.348	999	2.721	999	7.817	999	1929	54	1.5
10647.1	11000	38.8939	94.5047	-726	CULTRL	3.2	999	8.8	999	1.1	999	0.359	999	2.752	999	7.664	999	1985	57	1.5
10647.2	11000	38.8945	94.5047	-724	CULTRL	3.1	999	9.3	999	1.1	999	0.336	999	2.782	999	8.291	999	2024	60	1.5
10647.3	11000	38.8951	94.5047	-721	CULTRL	3.3	999	8.5	999	1.1	999	0.389	999	2.883	999	7.405	999	2044	61	1.5
10647.4	11000	38.8958	94.5046	-719	CULTRL	3.2	999	8.8	999	1.2	999	0.368	999	2.709	999	7.353	999	2068	41	1.5
10647.5	11000	38.8964	94.5046	-717	PKC	3.4	0	8.5	-1	1.2	1	0.401	1	2.790	0	6.949	-1	2090	41	1.5
10647.6	11000	38.8970	94.5046	-714	PKC	3.5	0	8.6	-1	1.3	1	0.406	1	2.771	0	6.828	-1	2092	55	1.5
10647.7	11000	38.8976	94.5046	-712	PKC	3.4	0	8.5	-1	1.2	1	0.397	1	2.803	0	7.056	-1	2084	35	1.5
10647.8	11000	38.8983	94.5046	-710	PKC	3.6	0	8.6	-1	1.3	1	0.416	1	3.187	0	7.664	-1	2059	56	1.5
10647.9	11000	38.8989	94.5046	-708	PKC	3.9	0	8.8	-1	1.2	1	0.503	2	3.399	0	6.758	-1	2056	66	1.5
10648.0	11000	38.8995	94.5046	-706	PKC	3.9	0	8.8	-1	1.2	1	0.476	2	3.594	0	7.549	-1	2059	37	1.5
10648.1	11000	38.9001	94.5046	-704	PKC	4.0	0	8.8	-1	1.2	1	0.495	2	3.676	0	7.433	-1	2036	46	1.5
10648.2	11000	38.9007	94.5046	-701	PKC	4.0	0	8.8	-1	1.2	1	0.444	2	3.285	0	7.400	-1	2020	46	1.5
10648.3	11000	38.9014	94.5046	-699	PKC	4.0	0	8.8	-1	1.2	1	0.480	2	3.328	0	6.938	-1	1981	55	1.5
10648.4	11000	38.9020	94.5046	-698	PKC	4.1	0	8.8	-1	1.2	1	0.510	2	3.467	0	6.798	-1	1963	54	1.5
10648.5	11000	38.9026	94.5046	-696	PKC	4.0	0	8.8	-1	1.2	1	0.484	2	3.293	0	6.808	-1	1951	60	1.5
10648.6	11000	38.9032	94.5046	-694	PKC	4.0	0	8.8	-1	1.2	1	0.398	2	2.828	0	7.103	-1	1923	53	1.5
10648.7	11000	38.9038	94.5046	-691	PKC	4.0	0	8.8	-1	1.2	1	0.441	2	2.710	0	6.142	-2	1905	45	1.5
10648.8	11000	38.9045	94.5046	-690	PKC	4.0	0	8.8	-1	1.2	1	0.473	2	2.937	0	6.202	-2	1878	51	1.5
10648.9	11000	38.9051	94.5045	-688	PKC	4.0	0	8.8	-1	1.2	1	0.576	2	3.529	0	6.127	-2	1857	41	1.5
10649.0	11000	38.9057	94.5045	-686	PKC	4.0	0	8.8	-1	1.2	1	0.540	2	3.437	0	6.367	-2	1850	54	1.5
10649.1	11000	38.9063	94.5045	-684	PKC	4.0	0	8.8	-1	1.2	1	0.548	2	3.217	0	5.874	-2	1817	49	1.5
10649.2	11000	38.9069	94.5045	-683	PKC	4.0	0	8.8	-1	1.2	1	0.558	2	3.978	0	7.336	-2	1793	44	1.5
10649.3	11000	38.9076	94.5045	-681	PKC	4.0	0	8.8	-1	1.2	1	0.651	2	3.376	0	5.189	-2	1793	57	1.5
10649.4	11000	38.9082	94.5045	-678	PKC	4.0	0	8.8	-1	1.2	1	0.643	2	4.138	0	6.433	-1	1765	42	1.5
10649.5	11000	38.9088	94.5045	-678	PKC	4.0	0	8.8	-1	1.2	1	0.608	2	4.052	0	6.665	-1	1762	55	1.5
10649.6	11000	38.9094	94.5045	-675	PKC	4.0	0	8.8	-1	1.2	1	0.672	2	4.229	0	6.295	-2	1762	49	1.5
10649.7	11000	38.9100	94.5045	-673	PKC	4.2	0	8.8	-1	1.2	1	0.752	2	4.624	0	6.150	-2	1769	54	1.5

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10649.8	11000	38.9107	94.5045	-671	PKC	4.5	2	5.9	-3	0.9	-1	0.76[illegible]	5	5.162	3	6.748	-1	1776	53	1.5
10649.9	11000	38.9113	94.5045	-669	PKC	4.3	2	5.9	-3	0.9	-1	0.740	5	4.818	3	6.510	-1	1768	56	1.5
10650.0	11000	38.9119	94.5045	-667	PKC	3.7	1	6.0	-3	0.9	-1	0.613	3	3.926	1	6.409	-2	1771	59	1.5
10650.1	11000	38.9125	94.5045	-665	PKC	3.7	1	6.2	-3	1.1	0	0.604	3	3.494	1	5.787	-2	1771	47	1.5
10650.2	11000	38.9132	94.5045	-662	PKC	3.7	1	5.7	-3	1.1	0	0.644	4	3.449	1	5.352	-2	1776	58	1.5
10650.3	11000	38.9138	94.5045	-659	PKC	3.4	0	5.9	-3	1.1	0	0.579	3	3.120	0	5.386	-2	1776	64	1.5
10650.4	11000	38.9145	94.5045	-657	PKC	3.1	0	6.0	-3	1.1	0	0.518	2	2.891	0	5.584	-2	1767	51	1.5
10650.5	11000	38.9152	94.5044	-654	PKC	2.8	-1	6.1	-3	1.1	0	0.459	1	2.534	-1	5.521	-2	1781	40	1.5
10650.6	11000	38.9158	94.5044	-653	PKC	3.2	0	5.9	-3	1.2	0	0.549	2	2.791	0	5.082	-3	1813	47	1.5
10650.7	11000	38.9165	94.5044	-651	CULTRL	3.4	999	5.7	999	1.1	999	0.593	999	3.189	999	5.375	999	1793	48	1.5
10650.8	11000	38.9171	94.5044	-648	CULTRL	3.1	999	6.1	999	1.0	999	0.505	999	2.953	999	5.852	999	1801	60	1.5
10650.9	11000	38.9178	94.5044	-645	CULTRL	3.1	999	6.2	999	1.0	999	0.495	999	3.179	999	6.424	999	1790	62	1.5
10651.0	11000	38.9184	94.5044	-641	CULTRL	3.1	999	6.7	999	1.0	999	0.465	999	3.202	999	6.880	999	1776	56	1.5
10651.1	11000	38.9191	94.5044	-638	CULTRL	2.9	999	6.7	999	0.9	999	0.437	999	3.221	999	7.374	999	1790	49	1.5
10651.2	11000	38.9198	94.5044	-635	CULTRL	3.3	999	6.5	999	0.9	999	0.500	999	3.691	999	7.381	999	1784	66	1.5
10651.3	11000	38.9204	94.5044	-633	CULTRL	2.6	999	6.4	999	0.9	999	0.403	999	3.026	999	7.515	999	1754	51	1.5
10651.4	11000	38.9211	94.5044	-631	CULTRL	2.9	999	6.3	999	0.9	999	0.463	999	3.314	999	7.161	999	1782	55	1.5
10651.5	11000	38.9218	94.5044	-629	CULTRL	3.5	999	5.6	999	0.9	999	0.630	999	3.882	999	6.167	999	1804	45	1.5
10651.6	11000	38.9224	94.5044	-626	CULTRL	3.9	999	6.1	999	1.0	999	0.643	999	3.757	999	5.842	999	1835	49	1.5
10651.7	11000	38.9231	94.5044	-624	CULTRL	3.7	999	5.8	999	1.1	999	0.638	999	3.450	999	5.406	999	1857	50	1.5
10651.8	11000	38.9237	94.5043	-621	CULTRL	3.8	999	5.6	999	1.1	999	0.685	999	3.387	999	4.948	999	1842	50	1.5
10651.9	11000	38.9244	94.5043	-619	CULTRL	3.6	999	5.7	999	1.2	999	0.632	999	3.071	999	4.860	999	1850	48	1.5
10652.0	11000	38.9250	94.5043	-617	CULTRL	4.0	999	5.6	999	1.2	999	0.719	999	3.398	999	4.728	999	1869	62	1.5
10652.1	11000	38.9257	94.5043	-615	CULTRL	4.0	999	5.9	999	1.1	999	0.681	999	3.549	999	5.215	999	1860	57	1.5
10652.2	11000	38.9264	94.5043	-612	CULTRL	3.7	999	6.5	999	1.1	999	0.565	999	3.348	999	5.927	999	1849	50	1.5
10652.3	11000	38.9270	94.5043	-609	CULTRL	3.4	999	6.4	999	1.1	999	0.537	999	3.179	999	5.924	999	1852	67	1.5
10652.4	11000	38.9277	94.5043	-607	CULTRL	3.3	999	6.7	999	1.1	999	0.495	999	3.042	999	6.142	999	1856	52	1.5
10652.5	11000	38.9283	94.5043	-604	CULTRL	3.5	999	7.0	999	1.1	999	0.504	999	3.059	999	6.069	999	1877	56	1.5
10652.6	11000	38.9290	94.5043	-601	CULTRL	3.5	999	7.1	999	1.1	999	0.500	999	3.324	999	6.647	999	1884	56	1.5
10652.7	11000	38.9296	94.5043	-597	CULTRL	3.6	999	7.6	999	1.0	999	0.470	999	3.515	999	7.483	999	1889	42	1.5
10652.8	11000	38.9303	94.5043	-593	CULTRL	3.4	999	7.5	999	1.2	999	0.460	999	3.914	999	6.337	999	1904	68	1.6
10652.9	11000	38.9310	94.5043	-589	CULTRL	3.4	999	7.2	999	1.2	999	0.475	999	3.865	999	6.034	999	1912	53	1.6
10653.0	11000	38.9316	94.5043	-584	CULTRL	3.3	999	6.7	999	1.2	999	0.490	999	3.731	999	5.570	999	1913	50	1.6
10653.1	11000	38.9323	94.5043	-580	CULTRL	3.4	999	6.9	999	1.3	999	0.500	999	3.745	999	5.494	999	1913	38	1.6
10653.2	11000	38.9329	94.5042	-576	CULTRL	3.3	999	6.7	999	1.2	999	0.485	999	3.743	999	5.652	999	1920	49	1.6
10653.3	11000	38.9336	94.5042	-571	CULTRL	2.8	999	6.7	999	1.2	999	0.420	999	3.253	999	5.368	999	1917	59	1.6
10653.4	11000	38.9343	94.5042	-567	CULTRL	2.8	999	6.9	999	1.4	999	0.406	999	3.025	999	4.992	999	1945	33	1.6
10653.5	11000	38.9349	94.5042	-563	CULTRL	2.8	999	6.9	999	1.3	999	0.403	999	3.172	999	5.393	999	1934	53	1.6
10653.6	11000	38.9356	94.5042	-559	CULTRL	3.1	999	7.3	999	1.3	999	0.422	999	3.366	999	5.601	999	1952	61	1.6
10653.7	11000	38.9362	94.5042	-556	CULTRL	2.7	999	7.6	999	1.3	999	0.353	999	3.000	999	5.663	999	1964	63	1.6
10653.8	11000	38.9369	94.5042	-552	CULTRL	2.7	999	7.5	999	1.3	999	0.365	999	3.092	999	5.728	999	2026	56	1.6
10653.9	11000	38.9376	94.5042	-548	CULTRL	3.1	999	7.7	999	1.3	999	0.397	999	3.369	999	5.968	999	2048	61	1.6
10654.0	11000	38.9382	94.5042	-544	CULTRL	3.3	999	7.7	999	1.4	999	0.430	999	3.420	999	5.622	999	2086	69	1.6
10654.1	11000	38.9389	94.5042	-540	CULTRL	3.4	999	7.5	999	1.3	999	0.453	999	3.530	999	5.586	999	2065	53	1.6
10654.2	11000	38.9395	94.5042	-535	CULTRL	3.6	999	7.9	999	1.3	999	0.461	999	3.795	999	6.066	999	2103	47	1.6
10654.3	11000	38.9402	94.5042	-532	CULTRL	3.5	999	7.5	999	1.3	999	0.459	999	3.677	999	5.827	999	2107	50	1.6
10654.4	11000	38.9408	94.5042	-528	CULTRL	4.1	999	7.6	999	1.3	999	0.538	999	3.259	999	6.059	999	2136	54	1.6
10654.5	11000	38.9415	94.5042	-524	CULTRL	4.3	999	7.6	999	1.2	999	0.564	999	3.509	999	6.221	999	2106	58	1.6
10654.6	11000	38.9422	94.5041	-520	CULTRL	3.9	999	7.5	999	1.2	999	0.523	999	3.197	999	6.114	999	2095	37	1.6
10654.7	11000	38.9428	94.5041	-517	CULTRL	4.2	999	7.7	999	1.2	999	0.553	999	3.622	999	6.553	999	2064	64	1.6
10654.8	11000	38.9435	94.5041	-512	CULTRL	3.7	999	7.8	999	1.1	999	0.481	999	3.469	999	7.213	999	2084	59	1.6
10654.9	11000	38.9441	94.5041	-508	CULTRL	4.1	999	7.8	999	1.1	999	0.528	999	3.869	999	7.327	999	2087	57	1.6

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10655.0	11000	38.9448	94.5041	-504	CULTRL	3.9	999	8.0	999	1.0	999	0.479	999	3.726	999	7.775	999	2084	37	1.6
10655.1	11000	38.9455	94.5041	-499	CULTRL	3.2	999	8.0	999	1.0	999	0.393	999	3.053	999	7.768	999	2057	60	1.6
10655.2	11000	38.9461	94.5041	-494	CULTRL	2.9	999	8.1	999	1.1	999	0.352	999	2.696	999	7.668	999	2072	55	1.6
10655.3	11000	38.9468	94.5041	-488	CULTRL	3.2	999	8.0	999	1.1	999	0.396	999	2.859	999	7.217	999	2081	58	1.6
10655.4	11000	38.9474	94.5041	-482	CULTRL	2.7	999	7.6	999	1.2	999	0.357	999	2.341	999	6.560	999	2113	42	1.6
10655.5	11000	38.9481	94.5041	-476	CULTRL	3.1	999	7.5	999	1.1	999	0.410	999	2.702	999	6.588	999	2100	61	1.6
10655.6	11000	38.9487	94.5041	-469	CULTRL	2.5	999	7.5	999	1.3	999	0.332	999	1.988	999	5.983	999	2082	68	1.6
10655.7	11000	38.9494	94.5041	-463	CULTRL	2.8	999	6.7	999	1.2	999	0.413	999	2.210	999	5.347	999	2079	56	1.6
10655.8	11000	38.9501	94.5041	-456	CULTRL	2.7	999	7.0	999	1.2	999	0.387	999	2.228	999	5.754	999	2061	56	1.6
10655.9	11000	38.9507	94.5040	-448	CULTRL	2.9	999	6.8	999	1.2	999	0.434	999	2.359	999	5.429	999	2027	54	1.6
10656.0	11010	38.9514	94.5040	-440	CULTRL	2.4	999	6.7	999	1.3	999	0.000	999	0.000	999	5.068	999	2018	54	1.6
10656.1	11010	38.9520	94.5040	-432	CULTRL	2.2	999	6.9	999	1.4	999	0.000	999	0.000	999	4.985	999	2010	51	1.7
10656.2	11010	38.9527	94.5040	-426	CULTRL	2.3	999	6.6	999	1.5	999	0.000	999	0.000	999	4.463	999	2012	50	1.7
10656.3	11010	38.9534	94.5040	-420	CULTRL	2.0	999	6.1	999	1.4	999	0.000	999	0.000	999	4.246	999	1999	54	1.7
10656.4	11010	38.9540	94.5040	-415	CULTRL	1.6	999	6.7	999	1.5	999	0.000	999	0.000	999	4.537	999	1991	48	1.7
10656.5	11010	38.9547	94.5040	-410	CULTRL	2.2	999	6.1	999	1.5	999	0.000	999	0.000	999	4.109	999	2002	52	1.7
10656.6	11010	38.9553	94.5040	-404	CULTRL	2.2	999	5.8	999	1.4	999	0.000	999	0.000	999	4.215	999	1995	43	1.7
10656.7	11010	38.9560	94.5040	-398	CULTRL	2.0	999	6.0	999	1.2	999	0.000	999	0.000	999	5.030	999	1996	60	1.7
10656.8	11010	38.9567	94.5040	-392	CULTRL	2.2	999	6.0	999	1.1	999	0.000	999	0.000	999	5.281	999	1980	43	1.7
10656.9	11010	38.9573	94.5040	-386	CULTRL	2.3	999	7.0	999	1.0	999	0.000	999	0.000	999	6.888	999	1999	55	1.7
10657.0	11000	38.9580	94.5040	-381	CULTRL	2.9	999	7.8	999	0.9	999	0.370	999	3.075	999	8.303	999	2049	44	1.7
10657.1	11000	38.9586	94.5040	-375	CULTRL	3.1	999	7.8	999	0.9	999	0.404	999	3.489	999	8.642	999	2042	51	1.7
10657.2	11000	38.9593	94.5040	-369	CULTRL	2.8	999	8.3	999	0.9	999	0.335	999	3.030	999	9.051	999	2062	56	1.7
10657.3	11000	38.9600	94.5039	-363	CULTRL	2.9	999	8.3	999	0.9	999	0.345	999	3.183	999	9.221	999	2086	62	1.7
10657.4	11000	38.9606	94.5039	-358	CULTRL	3.3	999	8.3	999	1.1	999	0.399	999	3.045	999	7.629	999	2068	63	1.7
10657.5	11000	38.9613	94.5039	-353	CULTRL	3.1	999	8.8	999	1.0	999	0.350	999	2.976	999	8.506	999	2064	57	1.7
10657.6	11000	38.9619	94.5039	-348	CULTRL	3.1	999	8.0	999	1.0	999	0.392	999	3.207	999	8.183	999	2030	53	1.7
10657.7	11000	38.9626	94.5039	-344	CULTRL	3.0	999	7.2	999	1.0	999	0.421	999	3.121	999	7.419	999	1978	63	1.7
10657.8	11000	38.9632	94.5039	-341	CULTRL	3.0	999	6.9	999	1.0	999	0.432	999	2.903	999	6.725	999	2000	63	1.7
10657.9	11000	38.9639	94.5039	-337	CULTRL	3.3	999	6.6	999	1.0	999	0.507	999	3.246	999	6.396	999	1967	49	1.7
10658.0	11000	38.9646	94.5039	-334	CULTRL	3.3	999	6.1	999	1.1	999	0.540	999	3.135	999	5.808	999	1946	60	1.7
10658.1	11000	38.9652	94.5039	-331	CULTRL	3.1	999	6.0	999	1.0	999	0.511	999	3.346	999	6.552	999	1929	61	1.7
10658.2	11000	38.9659	94.5039	-326	CULTRL	3.3	999	5.9	999	0.9	999	0.557	999	3.701	999	6.645	999	1923	55	1.7
10658.3	11000	38.9665	94.5039	-323	CULTRL	3.0	999	5.5	999	0.9	999	0.542	999	3.372	999	6.226	999	1901	47	1.7
10658.4	11000	38.9672	94.5039	-319	CULTRL	3.1	999	5.8	999	1.0	999	0.544	999	3.253	999	5.979	999	1911	57	1.7
10658.5	11000	38.9679	94.5039	-315	CULTRL	3.1	999	5.9	999	0.9	999	0.531	999	3.500	999	6.588	999	1894	57	1.7
10658.6	11000	38.9685	94.5038	-311	CULTRL	2.5	999	6.6	999	0.9	999	0.383	999	2.828	999	7.374	999	1934	56	1.7
10658.7	11010	38.9692	94.5038	-308	CULTRL	2.1	999	6.5	999	0.9	999	0.000	999	0.000	999	8.311	999	1971	50	1.7
10658.8	11000	38.9698	94.5038	-305	CULTRL	2.9	999	7.9	999	1.0	999	0.363	999	2.969	999	8.189	999	1990	58	1.7
10658.9	11000	38.9705	94.5038	-301	CULTRL	2.6	999	7.6	999	0.9	999	0.345	999	2.756	999	7.999	999	1987	52	1.7
10659.0	11000	38.9711	94.5038	-297	CULTRL	2.6	999	8.1	999	0.9	999	0.326	999	2.834	999	8.704	999	2016	58	1.7
10659.1	11000	38.9718	94.5038	-295	CULTRL	2.4	999	8.6	999	0.9	999	0.283	999	2.581	999	9.127	999	2023	58	1.7
10659.2	11010	38.9725	94.5038	-292	CULTRL	2.2	999	9.0	999	1.1	999	0.000	999	0.000	999	8.520	999	2040	46	1.7
10659.3	11000	38.9731	94.5038	-289	CULTRL	2.4	999	8.7	999	1.1	999	0.299	999	2.317	999	7.762	999	2006	55	1.7
10659.4	11000	38.9738	94.5038	-285	PKC	2.5	-1	8.8	-1	1.1	0	0.326	0	2.326	-1	7.140	-1	1971	55	1.7
10659.5	11010	38.9744	94.5038	-282	PKC	1.8	-3	8.8	-1	1.1	-1	0.000	-5	0.000	-4	7.042	-1	1987	54	1.7
10659.6	11010	38.9751	94.5038	-279	PKC	2.2	-2	8.8	-1	1.1	-1	0.000	-5	0.000	-4	7.102	-1	1997	52	1.7
10659.7	11010	38.9758	94.5038	-276	PKC	2.0	-2	8.8	-2	1.1	-2	0.000	-5	0.000	-4	6.871	-1	2011	51	1.7
10659.8	11010	38.9764	94.5038	-273	PKC	2.0	-1	8.7	-2	1.1	-2	0.000	-5	0.000	-4	6.343	-2	2002	49	1.7
10659.9	11000	38.9771	94.5038	-270	PKC	3.2	0	8.4	-2	1.1	-1	0.420	1	0.704	0	6.445	-1	2020	50	1.7
10660.0	11000	38.9777	94.5037	-267	PKC	3.2	0	8.0	-2	1.1	-1	0.481	2	0.997	0	6.231	-2	2039	52	1.7
10660.1	11000	38.9784	94.5037	-265	PKC	3.7	1	6.5	-2	1.1	0	0.574	3	3.543	1	6.170	-2	2053	68	1.7

LINE 1050 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
10660.2	11000	38.9790	94.5037	-262	PKC	3.6	1	6.0	-3	1.0	-1	0.605	3	3.589	1	5.931	-2	2052	48	1.7
10660.3	11000	38.9797	94.5037	-259	PKC	4.0	1	5.9	-3	1.1	0	0.676	4	3.795	1	5.617	-2	2075	53	1.7
10660.4	11000	38.9804	94.5037	-257	PKC	4.1	1	6.0	-3	1.2	1	0.676	4	3.311	1	4.895	-3	2094	59	1.7
10660.5	11000	38.9810	94.5037	-255	PKC	4.1	1	5.7	-3	1.2	1	0.707	4	3.287	0	4.653	-3	2118	52	1.7
10660.6	11000	38.9817	94.5037	-254	PKC	3.4	0	6.1	-3	1.2	1	0.563	3	2.777	0	4.935	-3	2079	54	1.7
10660.7	11000	38.9824	94.5037	-254	PKC	3.0	0	6.9	-2	1.2	1	0.441	1	2.443	-1	5.541	-2	2084	45	1.7
10660.8	11000	38.9831	94.5037	-253	PKC	3.0	-1	7.2	-2	1.3	1	0.417	1	2.338	-1	5.601	-2	2090	41	1.7
10660.9	11000	38.9838	94.5036	-253	PKC	3.0	-1	7.5	-1	1.3	1	0.400	1	2.357	-1	5.894	-2	2089	46	1.7
10661.0	11000	38.9845	94.5036	-254	PKC	2.4	-2	7.7	-1	1.3	1	0.316	-1	1.850	-2	5.858	-2	2073	69	1.7
10661.1	11010	38.9852	94.5036	-255	PKC	2.1	-2	7.9	-1	1.3	1	0.000	-5	0.000	-4	6.056	-2	2077	47	1.7
10661.2	11010	38.9859	94.5036	-256	PKC	2.3	-2	8.6	-1	1.3	1	0.000	-5	0.000	-4	6.611	-1	2089	60	1.7
10661.3	11010	38.9866	94.5036	-258	PKC	2.2	-2	8.7	-1	1.3	1	0.000	-5	0.000	-4	6.806	-1	2138	47	1.7
10661.4	11000	38.9873	94.5036	-258	PKC	2.7	-1	9.2	0	1.2	0	0.299	-1	2.258	-1	7.561	-1	2150	63	1.7
10661.5	11000	38.9880	94.5036	-260	PKC	2.5	-1	9.0	0	1.2	0	0.283	-1	2.116	-1	7.478	-1	2160	56	1.7
10661.6	11000	38.9887	94.5035	-261	PKC	3.0	-1	8.4	-1	1.2	0	0.355	0	2.548	-1	7.179	-1	2183	51	1.7
10661.7	11000	38.9893	94.5035	-262	PKC	3.3	0	8.4	-1	1.1	0	0.399	0	2.988	0	7.486	-1	2186	59	1.7
10661.8	11000	38.9901	94.5035	-264	PKC	3.4	0	8.3	-1	1.1	0	0.406	1	3.141	0	7.743	0	2189	53	1.7
10661.9	11000	38.9907	94.5035	-267	PKC	3.4	0	8.0	-1	1.0	-1	0.427	1	3.284	0	7.683	-1	2183	49	1.7
10662.0	11000	38.9914	94.5035	-268	PKC	3.5	0	7.2	-2	1.1	0	0.490	2	3.292	0	6.715	-1	2168	39	1.7
10662.1	11000	38.9921	94.5035	-270	PKC	3.7	0	6.4	-2	1.1	0	0.576	3	3.402	1	5.902	-2	2151	50	1.7
10662.2	11000	38.9928	94.5034	-273	PKC	3.5	0	6.3	-2	1.1	0	0.556	2	3.379	1	6.074	-2	2120	46	1.7
10662.3	11000	38.9935	94.5034	-276	PKC	3.2	0	6.9	-2	1.1	0	0.470	2	3.180	0	6.761	-1	2070	48	1.7
10662.4	11000	38.9942	94.5034	-279	PKC	3.1	0	6.5	-2	1.1	0	0.482	2	3.118	0	6.466	-1	2034	59	1.7
10662.5	11000	38.9949	94.5034	-283	PKC	3.3	0	6.7	-2	1.1	0	0.499	2	3.340	0	6.693	-1	2005	56	1.7
10662.6	11000	38.9956	94.5034	-287	PKC	3.3	0	6.6	-2	1.1	0	0.516	2	3.309	0	6.410	-2	1977	57	1.8
10662.7	11000	38.9963	94.5034	-290	PKC	3.2	0	6.6	-2	1.1	0	0.493	2	3.124	0	6.333	-2	1951	54	1.8
10662.8	11000	38.9970	94.5034	-293	PKC	3.2	0	6.6	-2	1.1	0	0.512	2	3.188	0	6.838	-2	1926	46	1.8
10662.9	11000	38.9977	94.5033	-295	PKC	3.5	0	7.1	-2	1.1	0	0.500	2	3.354	0	6.703	-1	1937	49	1.8
10663.0	11000	38.9984	94.5033	-298	PKC	3.8	0	7.6	-1	1.1	0	0.532	2	3.762	1	7.066	-1	1951	57	1.8
10663.1	11000	38.9991	94.5033	-301	PKC	4.0	1	7.6	-1	1.0	-1	0.533	2	4.177	2	7.833	0	1978	60	1.8
10663.2	11000	38.9998	94.5033	-303	PKC	4.1	1	7.6	-1	0.9	-1	0.536	2	4.549	2	8.493	0	1978	64	1.8

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9378.1	10000	38.0004	94.1853	-711	PC	3.5	0	9.6	0	0.9	-1	0.365	0	3.707	1	10.164	1	1996	44	1.4
9378.0	10000	38.0010	94.1853	-707	PC	3.5	0	9.5	0	0.9	-1	0.373	0	3.798	1	10.173	1	1992	47	1.4
9377.9	10000	38.0016	94.1853	-703	PC	3.5	0	9.4	0	0.9	-1	0.375	0	3.922	1	10.455	1	1997	49	1.4
9377.8	10000	38.0022	94.1853	-699	PC	3.6	0	9.3	0	1.0	-1	0.386	0	3.747	1	9.703	1	1987	39	1.4
9377.7	10000	38.0028	94.1852	-694	PC	3.6	0	9.1	0	1.0	0	0.393	1	3.547	1	9.035	0	1974	38	1.4
9377.6	10000	38.0034	94.1852	-690	PC	3.8	1	8.6	-1	1.0	0	0.440	1	3.670	1	8.335	0	1974	46	1.4
9377.5	10000	38.0039	94.1852	-686	PC	3.6	1	8.3	-1	1.0	0	0.440	1	3.644	1	8.272	0	1941	45	1.5
9377.4	10000	38.0045	94.1852	-681	PC	3.5	0	8.5	-1	1.0	0	0.411	1	3.380	0	8.219	0	1936	44	1.5
9377.3	10000	38.0051	94.1851	-676	PC	3.3	0	8.4	-1	1.0	0	0.395	1	3.255	0	8.245	0	1915	36	1.5
9377.2	10000	38.0057	94.1851	-671	PC	3.5	0	8.4	-1	1.0	0	0.412	1	3.374	0	8.192	0	1880	47	1.5
9377.1	10000	38.0063	94.1851	-666	PC	3.2	0	8.3	-1	0.9	-1	0.389	0	3.551	1	9.123	0	1835	44	1.5
9377.0	10000	38.0069	94.1851	-660	PC	3.3	0	8.3	-1	0.8	-1	0.400	1	3.923	1	9.817	1	1765	51	1.5
9376.9	10000	38.0075	94.1850	-653	PC	3.1	0	8.4	-1	0.8	-1	0.363	0	3.868	1	10.649	1	1694	39	1.5
9376.8	10000	38.0081	94.1850	-647	PC	2.8	-1	8.3	-1	0.8	-1	0.335	0	3.406	0	10.163	1	1646	46	1.5
9376.7	10000	38.0087	94.1850	-640	PC	2.7	-1	8.0	-1	0.8	-1	0.335	0	3.488	1	10.401	1	1605	53	1.5
9376.6	10000	38.0092	94.1850	-632	PC	2.7	-1	7.8	-1	0.8	-1	0.350	0	3.595	1	10.272	1	1591	46	1.5
9376.5	10000	38.0098	94.1849	-624	PC	2.7	-1	7.6	-1	0.8	-1	0.353	0	3.569	1	10.101	1	1588	43	1.5
9376.4	10000	38.0104	94.1849	-616	PC	2.6	-1	7.4	-2	0.8	-1	0.358	0	3.317	0	9.266	0	1606	46	1.5
9376.3	10000	38.0110	94.1849	-607	PC	2.8	0	7.5	-1	0.8	-1	0.379	0	3.474	1	9.175	0	1660	57	1.5
9376.2	10000	38.0116	94.1848	-599	PC	2.9	0	7.6	-1	0.8	-1	0.389	0	3.720	1	9.565	1	1696	48	1.5
9376.1	10000	38.0122	94.1848	-590	PC	3.1	0	7.7	-1	0.8	-1	0.412	1	3.964	1	9.629	1	1717	38	1.5
9376.0	10000	38.0128	94.1848	-581	PC	3.0	0	7.3	-2	0.8	-1	0.413	1	3.718	1	9.011	0	1712	42	1.5
9375.9	10000	38.0134	94.1848	-572	PC	2.8	0	7.4	-2	0.8	-1	0.382	0	3.402	0	8.914	0	1676	47	1.5
9375.8	10000	38.0140	94.1847	-563	PC	2.6	-1	7.2	-2	0.8	-1	0.364	0	3.294	0	9.052	0	1625	42	1.5
9375.7	10000	38.0146	94.1847	-554	PC	2.5	-1	7.1	-2	0.8	-1	0.352	0	3.252	0	9.231	0	1571	52	1.5
9375.6	10000	38.0152	94.1847	-545	PC	2.3	-1	6.9	-2	0.8	-1	0.342	0	3.053	0	8.925	0	1532	34	1.5
9375.5	10000	38.0157	94.1847	-536	PC	2.4	-1	6.5	-2	0.8	-1	0.368	0	3.252	0	8.152	0	1503	53	1.5
9375.4	10000	38.0163	94.1846	-527	PC	2.3	-1	6.1	-3	0.8	-1	0.378	0	3.252	0	8.062	0	1487	50	1.5
9375.3	10000	38.0169	94.1846	-518	PC	2.4	-1	6.2	-3	0.8	-1	0.395	0	3.395	0	8.581	0	1467	58	1.5
9375.2	10000	38.0175	94.1846	-509	PC	2.4	-1	6.1	-3	0.8	-1	0.395	0	3.441	0	8.768	0	1473	48	1.5
9375.1	10000	38.0181	94.1846	-500	PC	2.3	-1	6.3	-2	0.8	-1	0.365	0	3.451	0	8.395	0	1509	52	1.5
9375.0	10000	38.0187	94.1845	-491	PC	2.4	-1	6.4	-2	0.8	-1	0.376	0	3.465	0	8.276	0	1543	54	1.5
9374.9	10000	38.0193	94.1845	-481	PC	2.4	-1	6.7	-2	0.8	-1	0.358	0	3.429	0	8.714	0	1562	41	1.5
9374.8	10000	38.0199	94.1845	-472	PC	2.5	-1	7.2	-2	0.8	-1	0.347	0	3.419	0	9.272	0	1574	38	1.5
9374.7	10000	38.0205	94.1845	-463	PC	2.5	-1	7.4	-1	0.8	-1	0.340	0	3.409	0	9.362	0	1579	54	1.5
9374.6	10000	38.0210	94.1845	-453	PC	2.5	-1	7.6	-1	0.8	-1	0.329	0	3.390	0	9.384	0	1592	58	1.5
9374.5	10000	38.0216	94.1844	-444	PC	2.5	-1	7.8	-1	0.8	-1	0.321	0	3.367	0	9.475	0	1604	50	1.5
9374.4	10000	38.0222	94.1844	-436	PC	2.5	-1	7.8	-1	0.8	-1	0.321	0	3.346	0	9.849	0	1597	48	1.5
9374.3	10000	38.0228	94.1844	-429	PC	2.5	-1	7.8	-1	0.8	-1	0.315	0	3.315	0	9.505	0	1590	43	1.5
9374.2	10000	38.0234	94.1844	-421	PC	2.5	-1	7.8	-1	0.8	-1	0.326	0	3.326	0	9.885	0	1580	51	1.5
9374.1	10000	38.0239	94.1844	-414	PC	2.5	-1	7.6	-1	0.8	-1	0.330	0	3.303	0	9.212	0	1578	50	1.5
9374.0	10000	38.0245	94.1844	-408	PC	2.5	-1	7.7	-1	0.8	-1	0.330	0	3.303	0	9.590	0	1583	52	1.5
9373.9	10000	38.0251	94.1844	-402	PC	2.5	-1	7.7	-1	0.8	-1	0.326	0	3.326	0	9.768	0	1605	55	1.5
9373.8	10000	38.0257	94.1844	-398	PC	2.5	-1	7.8	-1	0.8	-1	0.326	0	3.326	0	9.573	0	1627	55	1.5
9373.7	10000	38.0263	94.1843	-394	PC	2.5	-1	7.8	-1	0.8	-1	0.330	0	3.330	0	9.345	0	1639	42	1.5
9373.6	10000	38.0269	94.1843	-391	PC	2.5	-1	7.8	-1	0.8	-1	0.330	0	3.330	0	9.642	0	1664	59	1.6
9373.5	10000	38.0274	94.1843	-388	PC	2.5	-1	7.8	-1	0.8	-1	0.330	0	3.330	0	9.682	0	1691	44	1.6
9373.4	10000	38.0280	94.1843	-386	PC	2.5	-1	7.8	-1	0.8	-1	0.330	0	3.330	0	9.102	0	1705	50	1.6
9373.3	10000	38.0286	94.1843	-386	PC	2.5	-1	7.8	-1	0.8	-1	0.330	0	3.330	0	9.897	0	1715	49	1.6
9373.2	10000	38.0292	94.1843	-388	PC	2.5	-1	7.8	-1	0.8	-1	0.330	0	3.330	0	9.562	0	1711	51	1.6
9373.1	10000	38.0298	94.1842	-391	PC	2.5	-1	7.8	-1	0.8	-1	0.330	0	3.330	0	9.860	0	1695	43	1.6
9373.0	10000	38.0304	94.1842	-394	PC	2.4	-1	7.8	-1	0.8	-1	0.314	0	3.294	0	9.788	0	1694	43	1.6

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9372.9	10000	38.0309	94.1842	-395	PC	2.5	-1	8.3	-1	0.9	-1	0.299	-1	2.755	0	9.211	0	1670	44	1.6
9372.8	10000	38.0315	94.1842	-399	PC	2.6	-1	8.2	-1	0.9	-1	0.320	0	3.054	0	9.549	1	1663	32	1.6
9372.7	10000	38.0321	94.1842	-405	PC	2.6	-1	8.0	-1	0.8	-1	0.322	0	3.070	0	9.523	1	1658	57	1.6
9372.6	10000	38.0327	94.1842	-411	PC	2.4	-1	8.2	-1	0.9	-1	0.295	-1	2.843	0	9.639	1	1671	42	1.6
9372.5	10000	38.0333	94.1842	-418	PC	2.6	-1	8.2	-1	0.8	-1	0.311	0	3.089	0	9.924	1	1668	48	1.6
9372.4	10000	38.0338	94.1842	-424	PC	2.6	-1	8.2	-1	0.9	-1	0.316	0	3.027	0	9.580	1	1674	55	1.6
9372.3	10000	38.0344	94.1842	-433	PC	2.6	-1	7.8	-1	0.8	-1	0.338	0	3.149	0	9.309	0	1653	49	1.6
9372.2	10000	38.0350	94.1841	-441	PC	2.8	-1	7.7	-1	0.8	-1	0.363	0	3.367	0	9.265	0	1639	47	1.6
9372.1	10000	38.0356	94.1841	-449	PC	2.5	-1	7.7	-1	0.8	-1	0.331	0	3.215	0	9.704	1	1594	44	1.6
9372.0	10000	38.0362	94.1841	-458	PC	2.6	-1	7.3	-2	0.8	-1	0.351	0	3.216	0	9.157	0	1559	40	1.6
9371.9	10000	38.0368	94.1841	-467	PC	2.6	-1	6.7	-2	0.8	-1	0.389	0	3.417	1	8.781	0	1511	52	1.6
9371.8	10000	38.0373	94.1841	-475	PC	2.6	-1	6.4	-2	0.7	-2	0.401	1	3.585	1	8.946	0	1493	57	1.6
9371.7	10000	38.0379	94.1841	-484	PC	2.6	-1	6.1	-3	0.7	-2	0.428	1	3.755	1	8.782	0	1486	43	1.6
9371.6	10000	38.0385	94.1841	-492	PC	2.9	0	6.6	-2	0.7	-2	0.445	1	4.231	2	9.518	1	1502	50	1.6
9371.5	10000	38.0391	94.1841	-499	PC	2.8	0	6.6	-2	0.7	-1	0.426	1	3.775	1	8.855	0	1536	52	1.7
9371.4	10000	38.0397	94.1841	-507	PC	2.9	0	7.0	-2	0.8	-1	0.418	1	3.569	1	8.528	0	1577	45	1.7
9371.3	10000	38.0403	94.1840	-514	PC	3.0	0	7.4	-2	0.8	-1	0.402	1	3.820	1	9.511	1	1600	48	1.7
9371.2	10000	38.0408	94.1840	-521	PC	3.1	0	7.6	-1	0.8	-1	0.409	1	4.007	1	9.799	1	1616	56	1.7
9371.1	10000	38.0414	94.1840	-528	PC	3.1	0	7.5	-1	0.8	-1	0.419	1	3.935	1	9.389	0	1604	45	1.7
9371.0	10000	38.0420	94.1840	-534	PC	2.9	0	7.6	-1	0.8	-1	0.380	0	3.706	1	9.755	1	1577	35	1.7
9370.9	10000	38.0426	94.1840	-540	PC	2.5	-1	7.4	-2	0.8	-1	0.335	0	3.230	0	9.650	1	1555	52	1.7
9370.8	10000	38.0432	94.1840	-546	PC	2.4	-1	7.2	-2	0.7	-2	0.339	0	3.326	0	9.804	1	1523	52	1.7
9370.7	10000	38.0438	94.1840	-551	PC	2.5	-1	6.7	-2	0.7	-2	0.368	0	3.545	1	9.624	1	1512	42	1.7
9370.6	10000	38.0443	94.1839	-557	PC	2.5	-1	6.4	-2	0.7	-1	0.390	1	3.400	0	8.719	0	1507	52	1.7
9370.5	10000	38.0449	94.1839	-562	PC	2.5	-1	6.5	-2	0.8	-1	0.384	0	3.218	0	8.375	0	1540	45	1.7
9370.4	10000	38.0455	94.1839	-567	PC	2.5	-1	7.2	-2	0.8	-1	0.349	0	2.952	0	8.460	0	1609	55	1.7
9370.3	10000	38.0461	94.1839	-572	PC	2.7	-1	7.2	-2	1.0	-1	0.379	0	2.834	0	7.475	-1	1689	42	1.7
9370.2	10000	38.0467	94.1839	-575	PC	2.9	0	7.6	-1	1.1	0	0.382	0	2.752	0	7.208	-1	1769	54	1.7
9370.1	10000	38.0473	94.1839	-580	PC	2.9	-1	7.8	-1	1.1	0	0.371	0	2.507	-1	7.900	-1	1841	45	1.7
9370.0	10000	38.0478	94.1839	-584	PC	2.8	-1	7.8	-1	1.1	0	0.358	0	2.403	-1	7.764	-1	1898	50	1.7
9369.9	10000	38.0484	94.1838	-587	PC	2.6	-1	7.9	-1	1.2	0	0.329	0	2.145	-1	7.820	-1	1953	43	1.7
9369.8	10000	38.0490	94.1838	-590	PC	2.6	-1	8.0	-1	1.2	0	0.325	0	2.070	-1	8.360	0	1981	56	1.7
9369.7	10000	38.0496	94.1838	-593	PC	2.7	-1	8.3	-1	1.2	0	0.325	0	2.268	-1	8.148	0	1986	43	1.7
9369.6	10000	38.0502	94.1838	-594	PC	2.7	-1	8.6	-1	1.2	0	0.314	0	2.591	-1	9.233	1	1977	41	1.7
9369.5	10000	38.0507	94.1838	-596	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.756	-1	10.136	1	1975	44	1.7
9369.4	10000	38.0513	94.1838	-597	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.918	-1	9.348	1	1965	54	1.7
9369.3	10000	38.0519	94.1838	-598	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.910	-1	9.357	1	1960	61	1.7
9369.2	10000	38.0525	94.1838	-598	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.477	-1	10.059	1	1957	42	1.7
9369.1	10000	38.0531	94.1837	-598	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.660	-1	10.017	1	1965	38	1.7
9369.0	10000	38.0536	94.1837	-597	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.718	-1	10.883	1	1961	57	1.7
9368.9	10000	38.0542	94.1837	-595	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.574	-1	10.867	1	1966	36	1.7
9368.8	10000	38.0548	94.1837	-593	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.682	-1	10.703	1	1965	43	1.7
9368.7	10000	38.0554	94.1837	-589	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.483	-1	10.979	1	1990	33	1.7
9368.6	10000	38.0560	94.1837	-584	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.883	-1	11.572	1	1993	35	1.7
9368.5	10000	38.0566	94.1837	-578	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.625	-1	11.122	1	1990	54	1.7
9368.4	10000	38.0572	94.1837	-571	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.429	-1	10.519	1	1958	45	1.7
9368.3	10000	38.0577	94.1837	-563	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.546	-1	11.026	1	1932	37	1.7
9368.2	10000	38.0583	94.1836	-554	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.414	-1	10.729	1	1910	53	1.7
9368.1	10000	38.0589	94.1836	-545	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.397	-1	10.360	1	1868	53	1.7
9368.0	10000	38.0595	94.1836	-534	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.090	-1	11.166	2	1817	45	1.7
9367.9	10000	38.0601	94.1836	-523	PC	2.9	-1	8.8	-1	1.2	0	0.330	0	2.416	-1	11.954	2	1788	45	1.7
9367.8	10000	38.0606	94.1836	-513	PC	3.1	0	8.8	-1	1.2	0	0.363	0	2.567	-1	12.565	3	1747	38	1.7

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9367.7	10000	38.0612	94.1836	-503	PC	3.1	0	8.8	0	0.6	-2	0.350	0	4.817	2	13.753	3	1733	58	1.7
9367.6	10000	38.0618	94.1836	-493	PC	2.8	0	8.3	-1	0.7	-2	0.340	0	4.351	2	12.780	3	1706	41	1.7
9367.5	10000	38.0624	94.1835	-483	PC	2.9	0	8.2	-1	0.6	-2	0.351	0	4.470	2	12.744	3	1675	43	1.7
9367.4	10000	38.0630	94.1835	-474	PC	2.8	0	8.3	-1	0.6	-2	0.344	0	4.576	2	13.294	3	1664	44	1.7
9367.3	10000	38.0636	94.1835	-466	PC	2.7	-1	7.9	-1	0.6	-2	0.346	0	4.256	2	12.315	2	1644	42	1.7
9367.2	10000	38.0641	94.1835	-457	PC	2.6	-1	7.6	-1	0.7	-2	0.340	0	3.679	1	10.808	1	1621	46	1.7
9367.1	10000	38.0647	94.1835	-449	PC	2.5	-1	7.5	-1	0.7	-1	0.336	0	3.394	0	10.090	1	1645	44	1.7
9367.0	10000	38.0653	94.1835	-441	PC	2.5	-1	7.5	-1	0.8	-1	0.334	0	3.182	0	9.539	1	1654	38	1.7
9366.9	10000	38.0659	94.1835	-433	PC	2.7	-1	7.3	-2	0.8	-1	0.365	0	3.328	0	9.112	0	1673	41	1.7
9366.8	10000	38.0665	94.1835	-426	PC	2.8	0	7.5	-1	0.8	-1	0.381	0	3.391	0	8.895	0	1690	55	1.7
9366.7	10000	38.0671	94.1834	-419	PC	2.6	-1	7.4	-2	0.9	-1	0.352	0	2.868	0	8.145	0	1689	50	1.7
9366.6	10000	38.0676	94.1834	-413	PC	2.5	-1	7.6	-1	0.9	-1	0.323	-1	2.637	-1	8.171	0	1702	53	1.7
9366.5	10000	38.0682	94.1834	-408	PC	2.5	-1	7.9	-1	0.9	-1	0.312	0	2.656	0	8.506	0	1719	52	1.7
9366.4	10000	38.0688	94.1834	-403	PC	2.6	-1	7.7	-1	0.9	-1	0.336	0	2.853	0	8.486	0	1719	53	1.7
9366.3	10000	38.0694	94.1834	-398	PC	2.6	-1	7.6	-1	0.9	-1	0.348	0	2.955	0	8.480	0	1722	50	1.7
9366.2	10000	38.0700	94.1834	-393	PC	2.6	-1	8.0	-1	0.9	-1	0.322	0	2.918	0	9.063	0	1721	55	1.7
9366.1	10000	38.0705	94.1834	-389	PC	2.4	-1	8.1	-1	0.8	-1	0.298	-1	2.855	0	9.576	1	1735	51	1.7
9366.0	10000	38.0711	94.1833	-385	PC	2.7	-1	8.2	-1	0.8	-1	0.326	0	3.205	0	9.824	1	1768	48	1.7
9365.9	10000	38.0717	94.1833	-380	PC	2.8	-1	8.3	-1	0.8	-1	0.334	0	3.453	1	10.341	1	1781	44	1.7
9365.8	10000	38.0723	94.1833	-376	PC	2.7	-1	8.4	-1	0.8	-1	0.319	0	3.193	0	10.000	1	1799	59	1.7
9365.7	10000	38.0729	94.1833	-373	PC	3.0	0	8.7	0	0.8	-1	0.337	0	3.487	1	10.338	1	1815	42	1.7
9365.6	10000	38.0735	94.1833	-371	PC	2.8	0	9.0	0	0.9	-1	0.311	0	3.106	0	9.982	1	1834	43	1.7
9365.5	10000	38.0741	94.1833	-369	PC	2.7	-1	8.8	0	0.9	-1	0.312	0	2.991	0	9.589	1	1835	43	1.7
9365.4	10000	38.0746	94.1833	-368	PC	2.7	-1	8.8	0	0.9	-1	0.309	0	2.908	0	9.410	0	1827	48	1.7
9365.3	10000	38.0752	94.1833	-367	PC	2.8	0	8.9	0	0.9	-1	0.320	0	3.183	0	9.942	1	1818	49	1.7
9365.2	10000	38.0758	94.1832	-367	PC	2.8	0	9.1	0	0.9	-1	0.310	0	3.083	0	9.936	1	1825	44	1.6
9365.1	10000	38.0764	94.1832	-369	PC	2.8	0	9.4	0	0.9	-1	0.298	-1	3.146	0	10.560	1	1835	42	1.6
9365.0	10000	38.0770	94.1832	-370	PC	2.5	-1	9.7	0	0.9	-1	0.261	-1	2.862	0	10.979	2	1843	49	1.6
9364.9	10000	38.0775	94.1832	-371	PC	2.7	-1	9.8	0	0.8	-1	0.275	-1	3.323	0	12.069	2	1836	38	1.6
9364.8	10000	38.0781	94.1832	-373	PC	2.8	0	9.8	0	0.8	-1	0.289	-1	3.427	0	11.859	2	1852	45	1.6
9364.7	10000	38.0787	94.1832	-375	PC	2.8	0	10.1	0	0.8	-1	0.289	-1	3.589	0	12.407	3	1876	47	1.6
9364.6	10000	38.0793	94.1832	-378	PC	2.8	0	10.6	1	0.8	-1	0.264	-1	3.319	0	12.580	3	1901	40	1.6
9364.5	10000	38.0799	94.1832	-382	PC	2.8	0	10.8	1	0.8	-1	0.253	-1	3.253	0	12.841	3	1933	50	1.6
9364.4	10000	38.0805	94.1832	-385	PC	2.8	0	10.5	0	0.8	-1	0.267	-1	3.372	0	12.651	3	1935	62	1.6
9364.3	10000	38.0810	94.1831	-390	PC	2.8	0	10.7	1	0.8	-1	0.263	-1	3.168	0	12.040	2	1944	50	1.6
9364.2	10000	38.0816	94.1831	-396	PC	2.8	0	10.6	1	0.8	-1	0.266	-1	3.024	0	11.370	2	1948	41	1.6
9364.1	10000	38.0822	94.1831	-401	PC	2.8	0	10.3	0	0.8	-1	0.262	-1	3.116	0	11.879	2	1957	52	1.6
9364.0	10000	38.0828	94.1831	-408	PC	2.8	0	10.1	0	0.8	-1	0.270	-1	3.240	0	11.985	2	1956	44	1.6
9363.9	10000	38.0834	94.1831	-416	PC	2.8	0	10.0	0	0.8	-1	0.266	-1	3.225	0	12.110	2	1948	47	1.5
9363.8	10000	38.0840	94.1831	-424	PC	2.8	0	9.9	0	0.8	-1	0.303	-1	3.544	1	11.710	2	1934	47	1.5
9363.7	10000	38.0845	94.1831	-432	PC	2.8	0	9.9	0	0.8	-1	0.288	-1	3.403	1	11.816	2	1937	53	1.5
9363.6	10000	38.0851	94.1830	-440	PC	2.8	0	9.9	0	0.8	-1	0.283	-1	3.312	1	12.014	2	1937	58	1.5
9363.5	10000	38.0857	94.1830	-449	PC	2.8	0	9.9	0	0.8	-1	0.294	-1	3.406	1	11.633	2	1942	48	1.5
9363.4	10000	38.0863	94.1830	-458	PC	2.8	0	9.9	0	0.8	-1	0.285	-1	3.397	1	11.564	2	1949	43	1.5
9363.3	10000	38.0869	94.1830	-466	PC	2.8	0	9.9	0	0.8	-1	0.283	-1	3.017	1	11.587	2	1950	51	1.5
9363.2	10000	38.0874	94.1830	-475	PC	2.8	0	9.9	0	0.8	-1	0.301	-1	3.993	1	9.869	1	1956	43	1.5
9363.1	10000	38.0880	94.1830	-484	PC	2.8	0	9.9	0	0.8	-1	0.316	-1	3.294	1	10.431	1	1952	45	1.5
9363.0	10000	38.0886	94.1830	-493	PC	2.8	0	9.9	0	0.8	-1	0.327	-1	3.748	1	10.937	1	1951	46	1.5
9362.9	10000	38.0892	94.1829	-501	PC	2.8	0	9.9	0	0.8	-1	0.322	-1	3.422	1	10.469	1	1936	41	1.5
9362.8	10000	38.0898	94.1829	-509	PC	2.8	0	9.9	0	0.8	-1	0.334	-1	3.691	1	10.463	1	1937	34	1.5
9362.7	10000	38.0903	94.1829	-515	PC	2.8	0	9.9	0	0.8	-1	0.347	-1	3.643	1	10.905	1	1929	49	1.5
9362.6	10000	38.0909	94.1829	-522	PC	2.8	0	9.9	0	0.8	-1	0.347	-1	3.974	2	11.460	2	1922	52	1.5

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9362.5	10000	38.0915	94.1829	-528	PC	3.4	0	10.1	1	0.8	-1	0.336	0	4.087	1	12.156	2	1930	59	1.5
9362.4	10000	38.0921	94.1829	-533	PC	3.1	0	10.1	1	0.9	-1	0.304	-1	3.442	1	11.339	2	1952	71	1.4
9362.3	10000	38.0927	94.1829	-537	PC	2.9	0	10.3	1	1.0	-1	0.282	-1	3.012	1	10.691	1	1968	59	1.4
9362.2	10000	38.0933	94.1829	-540	PC	3.2	0	10.6	1	0.9	-1	0.305	-1	3.410	0	11.194	2	1992	57	1.4
9362.1	10000	38.0938	94.1828	-543	PC	3.4	0	10.7	1	1.0	0	0.318	0	3.391	0	10.667	1	2003	36	1.4
9362.0	10000	38.0944	94.1828	-545	PC	3.1	0	11.1	2	1.0	0	0.283	-1	3.123	0	11.044	2	2011	49	1.4
9361.9	10000	38.0950	94.1828	-548	PC	3.0	0	11.2	2	1.0	0	0.268	-1	2.984	0	11.136	2	2024	46	1.4
9361.8	10000	38.0956	94.1828	-551	PC	3.1	0	11.0	2	1.0	0	0.287	-1	3.003	0	10.467	1	2023	50	1.4
9361.7	10000	38.0961	94.1828	-555	PC	3.0	0	11.1	2	1.0	0	0.272	-1	2.906	0	10.688	1	2009	47	1.4
9361.6	10000	38.0967	94.1828	-559	PC	3.1	0	10.8	1	1.1	0	0.287	-1	2.893	0	10.086	1	2001	57	1.4
9361.5	10000	38.0973	94.1828	-563	PC	2.9	0	10.5	1	1.1	0	0.274	-1	2.649	0	9.672	1	1982	43	1.4
9361.4	10000	38.0978	94.1827	-568	PC	2.9	0	9.9	1	1.0	0	0.290	-1	2.777	0	9.583	1	1964	42	1.4
9361.3	10000	38.0984	94.1827	-574	PC	3.1	0	9.6	0	1.0	0	0.320	0	2.962	0	9.267	0	1948	49	1.4
9361.2	10000	38.0990	94.1827	-580	PC	3.1	0	9.4	0	1.0	0	0.331	0	2.963	0	8.943	0	1947	59	1.4
9361.1	10000	38.0995	94.1827	-587	PC	3.1	0	9.6	0	1.0	0	0.321	0	3.003	0	9.354	0	1958	42	1.4
9361.0	10000	38.1001	94.1827	-594	PC	3.1	0	9.5	0	1.1	0	0.332	0	2.962	0	8.933	0	1971	58	1.4
9360.9	10000	38.1007	94.1827	-601	PC	3.3	0	9.5	0	1.1	0	0.347	0	3.125	0	9.018	0	1977	46	1.4
9360.8	10000	38.1013	94.1826	-609	PC	3.4	0	9.9	1	1.1	0	0.343	0	3.149	0	9.177	0	2008	46	1.4
9360.7	10000	38.1018	94.1826	-617	PC	3.3	0	10.3	1	1.1	0	0.317	0	2.900	0	9.161	0	2035	53	1.4
9360.6	10000	38.1024	94.1826	-625	PC	3.2	0	10.6	1	1.2	0	0.301	-1	2.686	0	8.931	0	2069	49	1.4
9360.5	10000	38.1030	94.1826	-633	PC	3.1	0	10.7	1	1.2	1	0.291	-1	2.576	-1	8.842	0	2082	42	1.4
9360.4	10000	38.1035	94.1826	-642	PC	3.0	0	10.6	1	1.3	1	0.283	-1	2.386	-1	8.443	0	2077	60	1.4
9360.3	10000	38.1041	94.1826	-650	PC	3.3	0	10.5	1	1.3	1	0.318	0	2.658	-1	8.362	0	2060	60	1.4
9360.2	10000	38.1047	94.1826	-658	PC	3.2	0	10.7	1	1.2	1	0.298	-1	2.577	-1	8.659	0	2056	50	1.4
9360.1	10000	38.1053	94.1825	-667	PC	3.1	0	10.2	1	1.2	0	0.309	0	2.626	-1	8.495	0	2034	43	1.4
9360.0	10000	38.1058	94.1825	-676	PC	3.4	0	9.9	1	1.2	0	0.338	0	2.787	0	8.252	0	2014	44	1.4
9359.9	10000	38.1064	94.1825	-684	PC	3.4	0	9.7	1	1.2	0	0.350	0	2.936	0	8.391	0	1987	45	1.4
9359.8	10000	38.1070	94.1825	-693	PC	3.4	0	9.5	1	1.2	0	0.361	0	2.975	0	8.235	0	1975	49	1.4
9359.7	10000	38.1075	94.1825	-702	PC	3.5	0	9.2	1	1.2	0	0.384	0	3.196	0	8.313	0	1960	58	1.4
9359.6	10000	38.1081	94.1825	-710	PC	3.3	0	9.3	1	1.1	0	0.344	0	2.953	0	8.574	0	1962	42	1.4
9359.5	10000	38.1087	94.1824	-718	PC	3.4	0	9.4	1	1.1	0	0.348	0	3.008	0	8.641	0	1962	52	1.4
9359.4	10000	38.1093	94.1824	-726	PC	3.3	0	9.4	1	1.1	0	0.348	0	2.977	0	8.641	0	1963	42	1.4
9359.3	10000	38.1098	94.1824	-735	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	1972	35	1.4
9359.2	10000	38.1104	94.1824	-744	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	1991	40	1.4
9359.1	10000	38.1110	94.1824	-752	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2006	45	1.4
9359.0	10000	38.1115	94.1824	-761	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2034	51	1.4
9358.9	10000	38.1121	94.1824	-770	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2039	52	1.4
9358.8	10000	38.1127	94.1824	-779	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2048	41	1.4
9358.7	10000	38.1133	94.1823	-789	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2048	51	1.4
9358.6	10000	38.1138	94.1823	-798	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2064	51	1.4
9358.5	10000	38.1144	94.1823	-807	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2067	49	1.4
9358.4	10000	38.1150	94.1823	-817	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2051	52	1.4
9358.3	10000	38.1155	94.1823	-827	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2043	42	1.4
9358.2	10000	38.1161	94.1823	-837	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2051	38	1.4
9358.1	10000	38.1167	94.1823	-847	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2046	41	1.4
9358.0	10000	38.1172	94.1822	-856	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2047	32	1.4
9357.9	10000	38.1178	94.1822	-865	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2047	58	1.4
9357.8	10000	38.1184	94.1822	-874	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2046	44	1.4
9357.7	10000	38.1189	94.1822	-882	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2058	50	1.5
9357.6	10000	38.1195	94.1822	-890	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2046	44	1.4
9357.5	10000	38.1201	94.1822	-897	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2039	58	1.4
9357.4	10000	38.1207	94.1821	-903	PC	3.3	0	9.4	1	1.1	0	0.353	0	2.973	0	8.641	0	2025	44	1.4

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9357.3	10000	38.1212	94.1821	-908	PC	3.5	0	10.7	1	0.9	-1	0.331	0	3.875	1	11.698	2	2024	31	1.5
9357.2	10000	38.1218	94.1821	-913	PC	3.6	1	10.5	1	0.9	-1	0.346	0	4.087	1	11.817	2	2024	52	1.5
9357.1	10000	38.1224	94.1821	-918	PC	3.4	0	10.2	1	0.9	-1	0.335	0	3.793	1	11.313	2	2023	48	1.5
9357.0	10000	38.1229	94.1821	-921	PC	3.5	0	9.7	0	0.9	-1	0.356	0	3.893	1	10.943	1	2021	49	1.5
9356.9	10000	38.1235	94.1821	-923	PC	3.5	0	9.7	0	1.0	-1	0.360	0	3.609	1	10.019	1	2026	55	1.5
9356.8	10000	38.1241	94.1821	-925	PC	3.5	0	10.1	1	1.0	-1	0.351	0	3.675	1	10.462	1	2020	45	1.5
9356.7	10000	38.1247	94.1820	-927	PC	3.4	0	10.3	1	1.0	0	0.335	0	3.538	1	10.573	1	2037	43	1.5
9356.6	10000	38.1252	94.1820	-928	PC	3.5	0	10.2	1	1.0	0	0.341	0	3.547	1	10.401	1	2048	49	1.5
9356.5	10000	38.1258	94.1820	-929	PC	3.3	0	10.2	1	1.0	0	0.321	0	3.318	0	10.324	1	2021	40	1.5
9356.4	10000	38.1264	94.1820	-930	PC	3.4	0	10.1	1	1.0	0	0.335	0	3.340	0	9.971	1	2029	46	1.5
9356.3	10000	38.1269	94.1820	-931	PC	3.4	0	10.3	1	1.1	0	0.328	0	3.165	0	9.648	1	2032	46	1.5
9356.2	10000	38.1275	94.1820	-931	PC	3.5	0	10.3	1	1.1	0	0.340	0	3.295	0	9.684	1	2029	43	1.5
9356.1	10000	38.1281	94.1819	-931	PC	3.3	0	10.3	1	1.2	0	0.320	0	2.847	0	8.904	0	2045	57	1.5
9356.0	10000	38.1287	94.1819	-931	PC	3.5	0	10.5	1	1.2	0	0.331	0	2.997	0	9.043	0	2050	48	1.5
9355.9	10000	38.1292	94.1819	-932	PC	3.4	0	10.5	1	1.2	0	0.322	0	2.891	0	8.977	0	2048	48	1.5
9355.8	10000	38.1298	94.1819	-931	PC	3.5	0	10.6	1	1.2	1	0.328	0	2.861	0	8.716	0	2066	45	1.5
9355.7	10000	38.1304	94.1819	-931	PC	3.4	0	10.4	1	1.2	1	0.326	0	2.758	0	8.464	0	2052	57	1.5
9355.6	10000	38.1310	94.1819	-930	PC	3.2	0	10.6	1	1.2	1	0.302	-1	2.642	-1	8.763	0	2047	38	1.5
9355.5	10000	38.1315	94.1819	-929	PC	3.2	0	10.2	1	1.2	1	0.316	0	2.687	0	8.504	0	2056	44	1.5
9355.4	10000	38.1321	94.1818	-927	PC	3.2	0	10.1	1	1.1	0	0.315	0	2.799	0	8.873	0	2043	42	1.5
9355.3	10000	38.1327	94.1818	-926	PC	3.0	0	10.1	1	1.1	0	0.300	-1	2.647	-1	8.831	0	2044	40	1.5
9355.2	10000	38.1332	94.1818	-924	PC	2.9	0	10.0	1	1.2	0	0.293	-1	2.430	-1	8.303	0	2047	44	1.6
9355.1	10000	38.1338	94.1818	-923	PC	2.7	-1	10.0	1	1.2	0	0.274	-1	2.277	-1	8.319	0	2047	58	1.6
9355.0	10000	38.1344	94.1818	-920	PC	2.6	-1	10.4	1	1.2	0	0.251	-1	2.122	-1	8.456	0	2056	36	1.6
9354.9	10000	38.1349	94.1818	-918	PC	2.9	0	10.3	1	1.2	0	0.284	-1	2.431	-1	8.555	0	2058	31	1.6
9354.8	10000	38.1355	94.1817	-914	PC	2.7	-1	10.4	1	1.2	0	0.257	-1	2.180	-1	8.473	0	2046	49	1.6
9354.7	10000	38.1361	94.1817	-912	PC	2.7	-1	10.4	1	1.2	0	0.256	-1	2.248	-1	8.769	0	2055	40	1.6
9354.6	10000	38.1367	94.1817	-908	PC	2.7	-1	10.4	1	1.2	0	0.252	-1	2.229	-1	8.832	0	2057	43	1.6
9354.5	10000	38.1372	94.1817	-904	PC	2.6	-1	10.4	1	1.2	0	0.250	-1	2.349	-1	8.394	0	2037	41	1.6
9354.4	10000	38.1378	94.1817	-900	PC	2.7	-1	10.4	1	1.2	0	0.272	-1	2.273	-1	8.468	0	2024	59	1.6
9354.3	10000	38.1384	94.1817	-897	PC	2.7	-1	10.4	1	1.2	0	0.317	-1	2.903	-1	8.173	0	2030	46	1.6
9354.2	10000	38.1389	94.1817	-893	PC	2.7	-1	10.4	1	1.2	0	0.320	-1	2.860	-1	8.938	0	2028	45	1.6
9354.1	10000	38.1395	94.1816	-889	PC	2.7	-1	10.4	1	1.2	0	0.349	-1	2.115	-1	8.175	0	2025	47	1.6
9354.0	10000	38.1401	94.1816	-885	PC	2.7	-1	10.4	1	1.2	0	0.349	-1	2.120	-1	8.937	0	2015	47	1.6
9353.9	10000	38.1406	94.1816	-882	PC	2.7	-1	10.4	1	1.2	0	0.355	-1	2.068	-1	8.758	0	2011	51	1.6
9353.8	10000	38.1412	94.1816	-878	PC	2.7	-1	10.4	1	1.2	0	0.367	-1	2.971	-1	8.360	0	2024	56	1.6
9353.7	10000	38.1418	94.1816	-874	PC	2.7	-1	10.4	1	1.2	0	0.332	-1	2.890	-1	8.879	0	2046	46	1.6
9353.6	10000	38.1424	94.1816	-871	PC	2.7	-1	10.4	1	1.2	0	0.330	-1	2.775	-1	8.369	0	2038	42	1.6
9353.5	10000	38.1429	94.1815	-868	PC	2.7	-1	10.4	1	1.2	0	0.335	-1	2.690	-1	8.143	0	2046	26	1.6
9353.4	10000	38.1435	94.1815	-864	PC	2.7	-1	10.4	1	1.2	0	0.335	-1	2.525	-1	8.296	0	2059	52	1.6
9353.3	10000	38.1441	94.1815	-860	PC	2.7	-1	10.4	1	1.2	0	0.339	-1	2.688	-1	8.017	0	2064	46	1.6
9353.2	10000	38.1446	94.1815	-857	PC	2.7	-1	10.4	1	1.2	0	0.339	-1	2.682	-1	8.218	0	2024	52	1.6
9353.1	10000	38.1452	94.1815	-853	PC	2.7	-1	10.4	1	1.2	0	0.335	-1	2.688	-1	8.336	0	1971	41	1.6
9353.0	10000	38.1458	94.1815	-850	PC	2.7	-1	10.4	1	1.2	0	0.335	-1	2.688	-1	8.072	0	1894	43	1.6
9352.9	10000	38.1464	94.1815	-847	PC	2.7	-1	10.4	1	1.2	0	0.335	-1	2.688	-1	8.534	0	1816	43	1.6
9352.8	10000	38.1469	94.1815	-843	PC	2.7	-1	10.4	1	1.2	0	0.335	-1	2.688	-1	8.501	-2	1751	54	1.6
9352.7	10000	38.1475	94.1814	-840	PC	2.7	-1	10.4	1	1.2	0	0.335	-1	2.688	-1	8.082	-2	1718	48	1.6
9352.6	10000	38.1481	94.1814	-836	PC	2.7	-1	10.4	1	1.2	0	0.335	-1	2.688	-1	8.907	-2	1696	46	1.6
9352.5	10000	38.1486	94.1814	-833	PC	2.7	-1	10.4	1	1.2	0	0.335	-1	2.688	-1	8.494	-2	1703	45	1.6
9352.4	10000	38.1492	94.1814	-830	PC	2.7	-1	10.4	1	1.2	0	0.335	-1	2.688	-1	8.490	-2	1734	38	1.6
9352.3	10000	38.1498	94.1814	-827	PC	2.7	-1	10.4	1	1.2	0	0.335	-1	2.688	-1	8.462	-2	1780	54	1.6
9352.2	10000	38.1504	94.1814	-823	PC	2.7	-1	10.4	1	1.2	0	0.335	-1	2.688	-1	8.439	-2	1855	36	1.6

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9352.1	10000	38.1509	94.1814	-820	PM	3.4	0	7.6	-2	1.1	0	0.447	2	3.004	0	6.722	-2	1908	40	1.6
9352.0	10000	38.1515	94.1813	-816	PM	3.7	1	7.9	-1	1.1	0	0.467	2	3.225	0	6.906	-1	1941	57	1.6
9351.9	10000	38.1521	94.1813	-812	PM	3.5	0	7.8	-2	1.1	0	0.451	2	3.093	0	6.866	-1	1961	54	1.6
9351.8	10000	38.1526	94.1813	-809	PM	3.9	1	8.1	-1	1.1	0	0.480	2	3.415	0	7.110	-1	1987	49	1.6
9351.7	10000	38.1532	94.1813	-804	PM	3.7	1	8.6	-1	1.1	0	0.430	1	3.317	0	7.718	-1	1997	48	1.6
9351.6	10000	38.1538	94.1813	-800	PM	3.4	0	8.9	0	1.1	0	0.375	0	2.983	0	7.962	-1	1985	46	1.6
9351.5	10000	38.1544	94.1813	-796	PM	3.6	1	8.9	0	1.1	0	0.399	1	3.345	0	8.383	0	1938	44	1.6
9351.4	10000	38.1549	94.1812	-792	PM	3.3	0	8.8	-1	1.0	0	0.373	0	3.194	0	8.564	0	1890	41	1.6
9351.3	10000	38.1555	94.1812	-787	PM	3.1	0	8.5	-1	1.0	-1	0.372	0	3.204	0	8.620	0	1839	44	1.6
9351.2	10000	38.1561	94.1812	-783	PM	3.1	0	8.6	-1	0.9	-1	0.364	0	3.338	0	9.180	0	1807	43	1.6
9351.1	10000	38.1566	94.1812	-779	PM	3.0	-1	8.5	-1	0.9	-1	0.353	0	3.385	0	9.592	1	1769	41	1.6
9351.0	10000	38.1572	94.1812	-775	PM	3.0	0	8.3	-1	0.9	-1	0.365	0	3.478	1	9.533	0	1740	54	1.6
9350.9	10000	38.1578	94.1812	-770	PM	2.4	0	7.7	-2	0.8	-2	0.440	1	3.987	1	9.070	0	1736	61	1.6
9350.8	10000	38.1583	94.1812	-766	PM	2.2	0	7.6	-2	0.8	-2	0.419	1	4.030	1	9.620	1	1726	46	1.5
9350.7	10000	38.1589	94.1811	-761	PM	2.3	0	7.5	-2	0.8	-2	0.436	1	4.183	2	9.596	1	1720	53	1.5
9350.6	10000	38.1595	94.1811	-757	PM	2.1	0	7.5	-2	0.8	-2	0.416	1	4.120	2	9.905	1	1717	44	1.5
9350.5	10000	38.1601	94.1811	-752	PM	2.1	0	7.4	-2	0.7	-2	0.422	1	4.307	2	10.196	1	1690	58	1.5
9350.4	10000	38.1606	94.1811	-747	PM	2.1	0	7.2	-2	0.7	-2	0.424	1	4.336	2	10.226	1	1661	56	1.5
9350.3	10000	38.1612	94.1811	-742	PM	2.0	-1	6.9	-2	0.7	-3	0.433	1	4.340	2	10.033	1	1636	71	1.5
9350.2	10000	38.1618	94.1811	-737	PM	2.8	-1	7.4	-2	0.7	-3	0.383	0	4.292	2	11.202	2	1613	49	1.5
9350.1	10000	38.1623	94.1810	-731	PM	2.8	-1	7.4	-2	0.7	-3	0.370	0	4.029	1	10.885	1	1597	49	1.5
9350.0	10000	38.1629	94.1810	-726	PM	2.8	-1	7.6	-2	0.7	-2	0.362	0	3.886	1	10.745	1	1618	37	1.5
9349.9	10000	38.1635	94.1810	-722	PM	2.8	-1	8.2	-1	0.7	-2	0.344	0	3.840	1	11.156	2	1652	47	1.5
9349.8	10000	38.1640	94.1810	-718	PM	2.6	-1	8.5	-1	0.8	-2	0.305	-1	3.388	1	11.091	2	1690	44	1.5
9349.7	10000	38.1646	94.1810	-714	PM	2.7	-1	8.6	-1	0.8	-2	0.312	-1	3.262	1	10.463	1	1736	52	1.5
9349.6	10000	38.1652	94.1810	-710	PM	2.8	-1	8.7	-1	0.9	-2	0.304	-1	3.237	1	10.634	1	1795	47	1.5
9349.5	10000	38.1658	94.1810	-705	PM	2.7	-1	8.7	0	0.9	-2	0.294	-1	2.945	1	10.001	1	1835	51	1.5
9349.4	10000	38.1663	94.1809	-703	PM	3.0	1	8.8	0	0.9	-2	0.328	-1	3.234	1	9.871	1	1875	44	1.5
9349.3	10000	38.1669	94.1809	-700	PM	3.0	1	8.8	0	0.9	-2	0.334	-1	3.228	1	9.665	1	1883	48	1.5
9349.2	10000	38.1675	94.1809	-698	PM	3.1	1	8.8	0	0.9	-2	0.357	-1	3.326	1	9.314	1	1868	61	1.5
9349.1	10000	38.1681	94.1809	-696	PM	3.1	1	8.8	0	0.9	-2	0.395	-1	3.587	1	9.082	1	1854	59	1.5
9349.0	10000	38.1686	94.1809	-695	PM	3.1	1	8.8	0	0.9	-2	0.407	-1	3.752	1	9.214	1	1811	36	1.5
9348.9	10000	38.1692	94.1809	-695	PM	3.1	1	8.8	0	0.9	-2	0.395	-1	3.851	1	9.741	1	1766	48	1.5
9348.8	10000	38.1698	94.1808	-695	PM	3.1	1	8.8	0	0.9	-2	0.411	-1	4.160	1	10.131	1	1745	45	1.5
9348.7	10000	38.1703	94.1808	-696	PM	3.1	1	8.8	0	0.9	-2	0.404	-1	4.087	1	10.112	1	1748	45	1.5
9348.6	10000	38.1709	94.1808	-697	PM	3.1	1	8.8	0	0.9	-2	0.416	-1	4.107	1	9.878	1	1770	55	1.5
9348.5	10000	38.1715	94.1808	-700	PM	3.1	1	8.8	0	0.9	-2	0.412	-1	4.748	1	9.090	1	1812	44	1.5
9348.4	10000	38.1720	94.1808	-704	PM	3.1	1	8.8	0	0.9	-2	0.444	-1	4.792	1	9.548	1	1848	41	1.5
9348.3	10000	38.1726	94.1808	-707	PM	3.1	1	8.8	0	0.9	-2	0.445	-1	4.932	1	9.843	1	1907	47	1.5
9348.2	10000	38.1732	94.1808	-710	PM	3.1	1	8.8	0	0.9	-2	0.449	-1	4.923	1	9.734	1	1943	56	1.5
9348.1	10000	38.1738	94.1807	-714	PM	3.1	1	8.8	0	0.9	-2	0.446	-1	4.893	1	9.728	1	1964	47	1.5
9348.0	10000	38.1743	94.1807	-717	PM	3.1	1	8.8	0	0.9	-2	0.443	-1	4.920	1	9.845	1	1972	36	1.5
9347.9	10000	38.1749	94.1807	-720	PM	3.1	1	8.8	0	0.9	-2	0.417	-1	4.769	1	9.029	1	1968	47	1.5
9347.8	10000	38.1755	94.1807	-723	PM	3.1	1	8.8	0	0.9	-2	0.405	-1	4.882	1	9.598	1	1958	42	1.5
9347.7	10000	38.1760	94.1807	-726	PM	3.1	1	8.8	0	0.9	-2	0.376	-1	4.362	1	9.050	1	1937	53	1.5
9347.6	10000	38.1766	94.1807	-729	PM	3.1	1	8.8	0	0.9	-2	0.338	-1	4.040	1	8.937	1	1931	47	1.5
9347.5	10000	38.1772	94.1806	-731	PM	3.1	1	8.8	0	0.9	-2	0.321	-1	3.701	1	9.464	1	1936	49	1.5
9347.4	10000	38.1777	94.1806	-731	PM	3.1	1	8.8	0	0.9	-2	0.292	-1	3.566	1	9.266	1	1942	44	1.5
9347.3	10000	38.1783	94.1806	-735	PM	3.1	1	8.8	0	0.9	-2	0.286	-1	3.693	1	9.967	1	1963	50	1.5
9347.2	10000	38.1789	94.1806	-738	PM	3.1	1	8.8	0	0.9	-2	0.301	-1	3.579	1	9.956	1	1973	40	1.5
9347.1	10000	38.1795	94.1806	-739	PM	3.1	1	8.8	0	0.9	-2	0.289	-1	3.466	1	9.916	1	1976	45	1.5
9347.0	10000	38.1800	94.1806	-739	PM	2.8	1	8.8	0	0.8	-2	0.301	-1	3.301	1	9.186	1	2020	45	1.5

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9346.9	10000	38.1806	94.1806	-738	PM	2.8	-1	9.3	0	1.2	1	0.301	-1	2.380	-1	7.912	-1	2040	52	1.5
9346.8	10000	38.1812	94.1805	-738	PM	2.8	-1	9.5	0	1.2	1	0.291	-1	2.258	-1	7.758	-1	2058	43	1.5
9346.7	10000	38.1817	94.1805	-742	PM	3.0	-1	9.5	0	1.3	1	0.314	-1	2.328	-1	7.407	-1	2078	44	1.5
9346.6	10000	38.1823	94.1805	-743	PM	2.7	-1	9.6	0	1.3	1	0.284	-1	2.090	-2	7.372	-1	2079	54	1.5
9346.5	10000	38.1829	94.1805	-743	PM	2.4	-2	9.6	0	1.3	1	0.253	-2	1.872	-2	7.388	-1	2103	44	1.5
9346.4	10000	38.1835	94.1805	-742	PM	2.6	-1	9.9	0	1.3	1	0.264	-1	1.995	-2	7.556	-1	2125	56	1.5
9346.3	10000	38.1840	94.1805	-741	PM	2.6	-1	10.2	1	1.3	1	0.256	-2	2.063	-2	8.050	-1	2123	46	1.5
9346.2	10000	38.1846	94.1805	-740	PM	2.9	-1	10.0	1	1.3	1	0.287	-1	2.272	-1	7.913	-1	2130	46	1.5
9346.1	10000	38.1852	94.1804	-739	PM	3.4	0	9.7	0	1.2	1	0.348	0	2.763	-1	7.946	-1	2142	51	1.6
9346.0	10000	38.1857	94.1804	-737	PM	3.3	0	10.1	1	1.2	1	0.324	0	2.734	-1	8.428	0	2153	47	1.6
9345.9	10000	38.1863	94.1804	-736	PM	3.5	0	9.8	0	1.2	1	0.359	0	2.959	0	8.250	0	2162	56	1.6
9345.8	10000	38.1869	94.1804	-735	PM	3.8	1	9.5	0	1.2	1	0.398	1	3.150	0	7.921	-1	2163	47	1.6
9345.7	10000	38.1875	94.1804	-734	PM	3.8	1	9.2	0	1.2	1	0.413	1	3.176	0	7.700	-1	2155	43	1.6
9345.6	10000	38.1880	94.1804	-732	PM	3.7	1	9.2	0	1.2	1	0.403	1	3.177	0	7.882	-1	2155	37	1.6
9345.5	10000	38.1886	94.1804	-731	PM	3.6	1	9.4	0	1.2	1	0.384	1	3.055	0	7.948	-1	2156	47	1.6
9345.4	10000	38.1892	94.1803	-731	PM	3.5	0	9.4	0	1.2	1	0.374	0	2.871	0	7.666	-1	2156	56	1.6
9345.3	10000	38.1897	94.1803	-729	PM	3.7	1	9.4	0	1.2	1	0.389	1	3.073	0	7.898	-1	2146	46	1.6
9345.2	10000	38.1903	94.1803	-728	PM	3.7	1	9.6	0	1.2	1	0.387	1	3.157	0	8.157	-1	2153	49	1.6
9345.1	10000	38.1909	94.1803	-727	PM	3.6	1	9.8	0	1.2	1	0.370	0	3.086	0	8.342	0	2138	37	1.6
9345.0	10000	38.1915	94.1803	-727	PM	3.5	0	10.1	1	1.2	1	0.344	0	2.861	0	8.310	0	2131	53	1.6
9344.9	10000	38.1920	94.1803	-725	PM	3.4	0	10.1	1	1.2	1	0.332	0	2.753	-1	8.297	0	2117	40	1.6
9344.8	10000	38.1926	94.1803	-725	PM	3.3	0	9.9	1	1.2	1	0.334	0	2.800	0	8.386	0	2085	48	1.6
9344.7	10000	38.1932	94.1802	-723	PM	3.1	0	10.0	1	1.1	0	0.306	-1	2.691	-1	8.791	0	2062	50	1.6
9344.6	10000	38.1937	94.1802	-722	PM	2.9	-1	10.4	1	1.1	0	0.283	-1	2.575	-1	9.110	0	2065	49	1.6
9344.5	10000	38.1943	94.1802	-723	PM	2.7	-1	10.6	1	1.1	0	0.259	-1	2.469	-1	9.530	0	2046	41	1.6
9344.4	10000	38.1949	94.1802	-724	PM	2.8	-1	10.4	1	1.1	0	0.269	-1	2.577	-1	9.592	1	2036	45	1.6
9344.3	10000	38.1954	94.1802	-724	PM	2.9	-1	9.8	1	1.1	0	0.297	-1	2.771	-1	9.325	0	2037	32	1.6
9344.2	10000	38.1960	94.1803	-724	PM	3.2	-1	9.9	1	1.1	0	0.330	0	3.178	0	9.620	1	2031	43	1.6
9344.1	10000	38.1965	94.1803	-723	PM	3.1	-1	10.0	1	1.1	0	0.319	-1	3.155	0	9.884	1	2051	59	1.6
9344.0	10000	38.1971	94.1803	-723	PM	3.2	-1	10.0	1	1.1	0	0.319	-1	3.335	0	10.456	1	2057	48	1.6
9343.9	10000	38.1976	94.1803	-723	PM	3.3	0	9.9	1	1.1	0	0.336	0	3.270	0	9.728	1	2043	50	1.6
9343.8	10000	38.1982	94.1803	-723	PM	3.3	0	10.0	1	1.1	0	0.353	0	3.193	0	9.047	1	2027	52	1.6
9343.7	10000	38.1987	94.1803	-723	PM	3.3	0	10.1	1	1.1	0	0.373	0	3.651	0	9.779	1	2030	60	1.6
9343.6	10000	38.1993	94.1803	-723	PM	3.4	0	10.1	1	1.1	0	0.349	0	3.712	0	10.627	1	2036	46	1.6
9343.5	10000	38.1998	94.1803	-723	PM	3.4	0	10.1	1	1.1	0	0.311	-1	3.254	0	10.464	1	2047	49	1.6
9343.4	10000	38.2004	94.1804	-724	PM	3.4	0	10.1	1	1.1	0	0.311	-1	3.332	0	10.708	2	2058	46	1.6
9343.3	10000	38.2009	94.1804	-724	PM	3.4	0	10.1	1	1.1	0	0.303	-1	3.328	0	10.969	2	2061	41	1.6
9343.2	10000	38.2015	94.1804	-723	PM	3.4	0	10.1	1	1.1	0	0.326	0	3.512	0	10.775	2	2060	43	1.6
9343.1	10000	38.2020	94.1804	-723	PM	3.4	0	10.1	1	1.1	0	0.352	0	4.005	0	11.366	2	2075	44	1.6
9343.0	10000	38.2026	94.1804	-724	PM	3.4	0	10.1	1	1.1	0	0.330	0	3.565	0	10.795	2	2065	59	1.6
9342.9	10000	38.2032	94.1804	-725	PM	3.4	0	10.1	1	1.1	0	0.335	0	3.481	0	10.540	2	2055	39	1.6
9342.8	10000	38.2037	94.1805	-726	PM	3.4	0	10.1	1	1.1	0	0.369	0	3.477	0	10.368	2	2044	48	1.6
9342.7	10000	38.2043	94.1805	-727	PM	3.4	0	10.1	1	1.1	0	0.382	0	3.725	0	10.099	2	2025	45	1.6
9342.6	10000	38.2048	94.1805	-727	PM	3.4	0	10.1	1	1.1	0	0.358	0	3.774	0	9.885	2	2023	63	1.6
9342.5	10000	38.2054	94.1805	-727	PM	3.4	0	10.1	1	1.1	0	0.334	0	3.824	0	10.686	2	2037	53	1.6
9342.4	10000	38.2059	94.1805	-727	PM	3.4	0	10.1	1	1.1	0	0.323	0	3.668	0	10.976	2	2035	49	1.6
9342.3	10000	38.2065	94.1805	-727	PM	3.4	0	10.1	1	1.1	0	0.337	0	3.711	0	11.484	2	2033	51	1.6
9342.2	10000	38.2070	94.1805	-727	PM	3.4	0	10.1	1	1.1	0	0.339	0	3.959	0	11.969	2	2017	49	1.6
9342.1	10000	38.2076	94.1806	-727	PM	3.4	0	10.1	1	1.1	0	0.321	0	4.542	0	13.217	3	2015	45	1.6
9342.0	10000	38.2081	94.1806	-727	PM	3.4	0	10.1	1	1.1	0	0.339	0	4.346	0	13.544	3	2014	42	1.6
9341.9	10000	38.2087	94.1806	-727	PM	3.4	0	10.1	1	1.1	0	0.359	0	4.449	0	13.105	3	2001	52	1.6
9341.8	10000	38.2092	94.1806	-727	PM	3.4	0	10.1	1	1.1	0	0.359	0	4.324	0	12.059	2	1978	47	1.6

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9341.7	10000	38.2098	94.1806	-727	PM	3.5	0	9.9	0	0.8	-2	0.352	0	4.374	2	12.420	3	1979	41	1.6
9341.6	10000	38.2103	94.1806	-727	PM	3.4	0	9.5	0	0.8	-2	0.356	0	4.201	2	11.793	2	1989	66	1.6
9341.5	10000	38.2109	94.1806	-727	PM	3.3	0	9.4	0	0.9	-2	0.354	0	3.935	1	11.102	2	2005	49	1.6
9341.4	10000	38.2114	94.1807	-727	PM	3.3	0	9.1	0	0.9	-1	0.367	0	3.739	1	10.177	1	1998	34	1.6
9341.3	10000	38.2120	94.1807	-727	PM	3.5	0	9.2	0	0.9	-1	0.379	0	3.749	1	9.879	1	1987	50	1.6
9341.2	10000	38.2126	94.1807	-728	PM	3.2	0	9.0	0	0.9	-1	0.353	0	3.393	1	9.608	1	1975	45	1.6
9341.1	10000	38.2131	94.1807	-729	PM	3.1	0	9.0	0	0.9	-1	0.344	0	3.349	0	9.731	1	1973	51	1.6
9341.0	10000	38.2137	94.1807	-731	PM	3.1	0	8.6	-1	0.9	-1	0.360	0	3.334	0	9.272	0	1949	49	1.6
9340.9	10000	38.2142	94.1807	-733	PM	3.3	0	8.6	-1	1.0	-1	0.381	0	3.428	0	9.008	0	1933	52	1.6
9340.8	10000	38.2148	94.1808	-734	PM	3.3	0	8.5	-1	1.0	-1	0.385	0	3.357	0	8.722	0	1894	49	1.6
9340.7	10000	38.2153	94.1808	-735	PM	3.0	-1	8.1	-1	0.9	-1	0.367	0	3.227	0	8.788	0	1856	69	1.6
9340.6	10000	38.2159	94.1808	-736	PM	3.1	0	8.1	-1	0.9	-1	0.379	0	3.379	0	8.916	0	1834	46	1.6
9340.5	10000	38.2164	94.1808	-737	PM	3.3	0	8.5	-1	0.9	-1	0.391	0	3.790	1	9.701	1	1826	53	1.6
9340.4	10000	38.2170	94.1808	-740	PM	3.4	0	8.6	-1	0.9	-1	0.398	0	3.909	1	9.832	1	1803	43	1.6
9340.3	10000	38.2175	94.1808	-745	PM	3.1	0	8.4	-1	0.8	-2	0.373	0	3.700	1	9.908	1	1778	50	1.6
9340.2	10000	38.2181	94.1808	-749	PM	2.9	-1	8.0	-1	0.8	-2	0.366	0	3.660	1	10.010	1	1750	47	1.6
9340.1	10000	38.2186	94.1809	-753	PM	3.0	0	8.2	-1	0.8	-2	0.371	0	3.682	1	9.935	1	1765	41	1.6
9340.0	10000	38.2192	94.1809	-756	PM	3.1	0	8.4	-1	0.8	-2	0.370	0	3.675	1	9.941	1	1792	70	1.6
9339.9	10000	38.2197	94.1809	-759	PM	2.9	-1	8.5	-1	0.9	-1	0.336	0	3.286	1	9.765	1	1820	59	1.6
9339.8	10000	38.2203	94.1809	-762	PM	2.8	-1	8.5	-1	0.9	-1	0.329	0	3.050	0	9.257	0	1843	48	1.6
9339.7	10000	38.2209	94.1809	-765	PM	2.8	-1	8.7	-1	1.0	-1	0.324	0	2.958	0	9.140	0	1884	49	1.6
9339.6	10000	38.2214	94.1809	-768	PM	3.0	-1	8.8	-1	1.0	0	0.338	0	2.984	0	8.819	0	1930	51	1.6
9339.5	10000	38.2220	94.1810	-771	PM	3.1	0	9.5	0	1.0	0	0.324	0	2.987	0	9.211	0	1977	45	1.6
9339.4	10000	38.2225	94.1810	-774	PM	3.1	1	9.9	1	1.0	0	0.313	-1	3.000	1	9.585	1	2016	38	1.5
9339.3	10000	38.2231	94.1810	-776	PM	3.2	1	9.9	1	1.1	0	0.319	-1	2.947	0	9.230	0	2037	58	1.5
9339.2	10000	38.2236	94.1810	-777	PM	3.2	0	10.1	1	1.1	0	0.316	-1	2.954	0	9.359	0	2052	51	1.5
9339.1	10000	38.2242	94.1810	-779	PM	3.1	0	9.9	1	1.1	0	0.319	-1	2.838	0	9.250	0	2057	60	1.5
9339.0	10000	38.2247	94.1810	-781	PM	3.1	0	9.9	1	1.1	0	0.307	-1	2.923	0	9.436	0	2055	49	1.5
9338.9	10000	38.2253	94.1810	-782	PM	3.1	0	9.9	1	1.1	0	0.310	-1	2.830	0	9.389	0	2049	42	1.5
9338.8	10000	38.2258	94.1810	-783	PM	3.2	0	10.0	1	1.1	0	0.301	-1	2.904	0	9.091	0	2022	44	1.5
9338.7	10000	38.2264	94.1811	-783	PM	3.2	0	10.1	1	1.1	0	0.319	-1	2.717	0	9.128	0	1992	54	1.5
9338.6	10000	38.2269	94.1811	-784	PM	3.1	0	9.9	1	1.1	0	0.298	-1	2.831	0	9.434	0	1973	47	1.5
9338.5	10000	38.2275	94.1811	-784	PM	3.1	0	9.9	1	1.1	0	0.300	-1	2.947	0	9.071	0	1949	49	1.5
9338.4	10000	38.2280	94.1811	-785	PM	3.2	0	9.9	1	1.1	0	0.325	-1	3.046	0	8.649	0	1925	43	1.5
9338.3	10000	38.2286	94.1811	-785	PM	3.2	0	9.9	1	1.1	0	0.352	-1	3.256	0	8.839	0	1900	44	1.5
9338.2	10000	38.2291	94.1811	-785	PM	3.2	0	9.9	1	1.1	0	0.368	-1	3.274	0	8.822	0	1898	45	1.5
9338.1	10000	38.2297	94.1812	-785	PM	3.2	0	9.9	1	1.1	0	0.371	-1	3.131	0	8.572	0	1927	48	1.5
9338.0	10000	38.2303	94.1812	-785	PM	3.2	0	9.9	1	1.1	0	0.365	-1	3.149	0	8.423	0	1935	58	1.5
9337.9	10000	38.2308	94.1812	-785	PM	3.2	0	9.9	1	1.1	0	0.374	-1	3.356	0	8.368	0	1948	55	1.5
9337.8	10000	38.2314	94.1812	-784	PM	3.2	0	9.9	1	1.1	0	0.356	-1	3.400	0	8.926	0	1964	57	1.5
9337.7	10000	38.2319	94.1812	-783	PM	3.2	0	9.9	1	1.1	0	0.328	-1	3.977	0	9.496	0	1994	53	1.5
9337.6	10000	38.2325	94.1812	-783	PM	3.2	0	9.9	1	1.1	0	0.297	-1	3.032	0	9.436	0	2014	51	1.5
9337.5	10000	38.2330	94.1813	-783	PM	3.2	0	9.9	1	1.1	0	0.290	-1	3.111	0	9.915	0	2030	55	1.4
9337.4	10000	38.2336	94.1813	-782	PM	3.2	0	9.9	1	1.1	0	0.300	-1	2.800	0	10.130	1	2049	44	1.4
9337.3	10000	38.2341	94.1813	-782	PM	3.2	0	9.9	1	1.1	0	0.301	-1	2.871	0	10.275	1	2076	42	1.4
9337.2	10000	38.2347	94.1813	-782	PM	3.2	0	9.9	1	1.1	0	0.311	-1	2.043	0	9.996	0	2101	53	1.4
9337.1	10000	38.2352	94.1813	-782	PM	3.2	0	9.9	1	1.1	0	0.311	-1	3.094	0	9.765	0	2115	54	1.4
9337.0	10000	38.2358	94.1813	-782	PM	3.2	0	9.9	1	1.1	0	0.310	-1	3.107	0	9.649	0	2121	49	1.4
9336.9	10000	38.2363	94.1813	-783	PM	3.2	0	9.9	1	1.1	0	0.308	-1	3.036	0	9.661	0	2124	60	1.4
9336.8	10000	38.2369	94.1814	-784	PM	3.2	0	9.9	1	1.1	0	0.324	-1	2.994	0	9.247	0	2128	58	1.4
9336.7	10000	38.2374	94.1814	-786	PM	3.2	0	9.9	1	1.1	0	0.301	-1	2.978	0	9.214	0	2101	56	1.4
9336.6	10000	38.2380	94.1814	-789	PM	3.0	-1	10.0	1	1.1	0	0.297	-1	2.996	0	9.189	0	2044	51	1.4

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9336.5	10000	38.2385	94.1814	-794	PM	3.0	-1	9.9	0	1.0	0	0.304	-1	2.883	0	9.491	0	2000	50	1.4
9336.4	10000	38.2391	94.1814	-799	PM	3.0	0	9.6	0	1.0	-1	0.315	-1	3.046	0	9.666	1	1975	45	1.4
9336.3	10000	38.2397	94.1814	-805	PM	3.2	0	9.5	0	1.0	-1	0.343	0	3.334	0	9.732	1	1950	41	1.4
9336.2	10000	38.2402	94.1814	-811	PM	3.3	0	9.4	0	1.0	-1	0.355	0	3.414	0	9.608	1	1950	44	1.4
9336.1	10000	38.2408	94.1815	-818	PC	3.3	0	9.4	0	1.0	0	0.347	0	3.333	0	9.611	1	1950	49	1.4
9336.0	10000	38.2413	94.1815	-824	PC	3.4	0	9.2	0	1.0	0	0.365	0	3.358	0	9.206	0	1991	62	1.4
9335.9	10000	38.2419	94.1815	-831	PC	3.6	1	9.6	0	1.1	0	0.376	0	3.337	0	8.869	0	2059	49	1.4
9335.8	10000	38.2424	94.1815	-837	PC	3.6	1	10.2	1	1.1	0	0.354	0	3.242	0	9.164	0	2119	41	1.4
9335.7	10000	38.2430	94.1815	-845	PC	3.7	1	10.5	1	1.2	0	0.350	0	3.031	0	8.669	0	2160	50	1.4
9335.6	10000	38.2435	94.1815	-852	PC	3.5	1	10.5	1	1.3	1	0.330	0	2.728	0	8.266	0	2181	54	1.4
9335.5	10000	38.2441	94.1815	-859	PC	3.4	1	10.3	1	1.3	1	0.334	0	2.716	0	8.120	0	2180	54	1.4
9335.4	10000	38.2446	94.1816	-866	PC	3.4	1	10.1	1	1.3	1	0.334	0	2.688	0	8.052	0	2135	42	1.4
9335.3	10000	38.2452	94.1816	-872	PC	3.2	1	9.6	1	1.2	1	0.335	0	2.673	0	7.980	-1	2066	36	1.3
9335.2	10000	38.2457	94.1816	-877	PC	3.3	1	9.1	0	1.1	0	0.366	0	2.900	0	7.925	-1	2002	49	1.3
9335.1	10000	38.2463	94.1816	-881	PC	3.2	1	8.3	-1	1.1	0	0.384	0	2.821	0	7.349	-1	1933	44	1.3
9335.0	10000	38.2468	94.1816	-885	PC	3.1	1	7.6	-1	1.1	0	0.412	0	2.873	0	6.978	-1	1873	56	1.3
9334.9	10000	38.2474	94.1816	-887	PC	2.9	1	7.2	-2	1.0	0	0.406	1	2.875	0	7.086	-1	1823	46	1.3
9334.8	10000	38.2479	94.1817	-889	PM	3.0	-1	6.7	-3	1.1	-1	0.440	1	2.968	0	6.752	-2	1790	49	1.3
9334.7	10000	38.2485	94.1817	-890	PM	3.3	0	6.6	-3	1.0	-1	0.495	2	3.305	1	6.684	-2	1800	42	1.3
9334.6	10000	38.2491	94.1817	-890	PM	3.6	1	6.7	-3	1.1	-1	0.538	3	3.693	1	6.860	-1	1819	58	1.3
9334.5	10000	38.2496	94.1817	-889	PM	3.6	1	6.8	-3	1.1	-1	0.528	3	3.784	1	7.164	-1	1842	48	1.3
9334.4	10000	38.2502	94.1817	-888	PM	3.8	2	7.0	-2	1.1	-1	0.549	3	3.987	1	7.265	-1	1881	52	1.3
9334.3	10000	38.2507	94.1817	-886	PM	4.0	2	7.4	-1	1.1	-1	0.546	3	4.095	2	7.507	-1	1934	50	1.3
9334.2	10000	38.2513	94.1817	-884	PM	4.5	2	8.0	-1	1.1	0	0.567	3	4.387	2	7.736	-1	1993	53	1.3
9334.1	10000	38.2518	94.1817	-882	PM	4.9	3	8.5	-1	1.1	0	0.569	3	4.679	2	8.220	0	2038	53	1.3
9334.0	10000	38.2524	94.1818	-880	PM	5.0	3	8.4	-1	1.1	1	0.593	4	4.712	2	7.951	-1	2091	51	1.3
9333.9	10000	38.2529	94.1818	-877	PM	4.9	3	8.5	-1	1.1	1	0.573	4	4.438	2	7.749	-1	2147	43	1.3
9333.8	10000	38.2535	94.1818	-875	PM	5.1	3	8.9	-1	1.2	1	0.575	4	4.271	2	7.431	-1	2199	50	1.3
9333.7	10000	38.2540	94.1818	-872	PM	5.2	3	9.3	-1	1.2	1	0.562	3	4.329	2	7.703	-1	2245	49	1.3
9333.6	10000	38.2546	94.1818	-870	PM	5.1	3	8.8	-1	1.2	1	0.525	3	4.234	2	8.065	-1	2283	51	1.3
9333.5	10000	38.2551	94.1818	-867	PM	5.1	3	8.5	-2	1.2	1	0.536	3	4.279	2	7.982	-1	2322	58	1.3
9333.4	10000	38.2557	94.1819	-865	PM	5.4	3	9.3	-1	1.2	1	0.554	3	4.145	2	7.464	-1	2369	45	1.3
9333.3	10000	38.2562	94.1819	-863	PM	5.4	3	9.6	-1	1.2	1	0.534	3	4.252	2	7.957	-1	2370	51	1.3
9333.2	10000	38.2568	94.1819	-860	PM	5.4	3	9.6	-1	1.2	1	0.534	3	4.289	2	8.037	-1	2355	45	1.3
9333.1	10000	38.2574	94.1819	-858	PM	5.4	3	9.4	-1	1.2	1	0.527	3	4.295	2	8.154	-1	2324	39	1.4
9333.0	10000	38.2579	94.1819	-856	PM	5.4	3	9.3	-1	1.2	1	0.534	3	4.433	2	8.295	0	2261	47	1.4
9332.9	10000	38.2585	94.1819	-854	PM	5.4	3	9.3	-1	1.2	1	0.575	3	4.780	2	8.313	0	2162	37	1.4
9332.8	10000	38.2590	94.1819	-853	PM	5.4	3	9.3	-1	1.2	1	0.595	3	4.705	2	7.909	-1	2046	48	1.4
9332.7	10000	38.2596	94.1820	-852	PC	5.4	3	9.3	-1	1.2	1	0.574	3	4.887	2	8.512	0	1930	46	1.4
9332.6	10000	38.2601	94.1820	-851	PC	5.4	3	9.3	-1	1.2	1	0.536	3	4.686	2	8.751	0	1854	39	1.4
9332.5	10000	38.2607	94.1820	-850	PC	5.4	3	9.3	-1	1.2	1	0.545	3	4.840	2	8.889	0	1785	53	1.4
9332.4	10000	38.2612	94.1820	-850	PC	5.4	3	9.3	-1	1.2	1	0.528	3	4.801	2	9.095	0	1715	53	1.4
9332.3	10000	38.2618	94.1820	-850	PC	5.4	3	9.3	-1	1.2	1	0.501	3	4.474	2	9.922	0	1672	63	1.4
9332.2	10000	38.2623	94.1820	-849	PC	5.4	3	9.3	-1	1.2	1	0.448	3	4.040	2	9.011	0	1647	48	1.4
9332.1	10000	38.2629	94.1821	-848	PC	5.4	3	9.3	-1	1.2	1	0.407	3	3.736	2	9.179	0	1656	47	1.4
9332.0	10000	38.2634	94.1821	-846	PC	5.4	3	9.3	-1	1.2	1	0.406	3	3.526	2	8.680	0	1704	39	1.4
9331.9	10000	38.2640	94.1821	-846	PC	5.4	3	9.3	-1	1.2	1	0.407	3	3.523	2	7.677	-1	1750	46	1.4
9331.8	10000	38.2645	94.1821	-844	PC	5.4	3	9.3	-1	1.2	1	0.412	3	3.533	2	7.363	-1	1810	49	1.4
9331.7	10000	38.2651	94.1821	-843	PC	5.4	3	9.3	-1	1.2	1	0.473	3	3.308	2	6.998	-1	1880	44	1.4
9331.6	10000	38.2656	94.1821	-842	PC	5.4	3	9.3	-1	1.2	1	0.498	3	3.382	2	6.786	-1	1938	39	1.4
9331.5	10000	38.2662	94.1821	-840	PC	5.4	3	9.3	-1	1.2	1	0.531	3	3.366	2	6.336	-2	1994	51	1.4
9331.4	10000	38.2668	94.1822	-838	PC	5.4	3	9.3	-1	1.2	1	0.505	3	3.413	2	6.758	-1	2009	40	1.4

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9331.3	10000	38.2673	94.1822	-836	PC	3.9	1	7.8	-1	1.1	0	0.504	2	3.573	1	7.091	-1	2001	40	1.4
9331.2	10000	38.2679	94.1822	-834	PC	4.2	1	7.7	-1	1.0	0	0.540	2	3.980	1	7.375	-1	1981	44	1.4
9331.1	10000	38.2684	94.1822	-833	PC	4.1	1	8.0	-1	1.0	0	0.512	2	4.191	2	8.184	0	1944	41	1.4
9331.0	10000	38.2690	94.1822	-831	PC	3.6	1	8.3	-1	1.0	-1	0.439	1	3.802	1	8.657	0	1900	58	1.4
9330.9	10000	38.2695	94.1822	-830	PC	3.3	0	8.9	0	1.0	-1	0.375	0	3.485	1	9.293	0	1876	55	1.4
9330.8	10000	38.2701	94.1823	-830	PC	3.3	0	9.8	0	1.0	-1	0.341	0	3.517	1	10.317	1	1881	54	1.4
9330.7	10000	38.2706	94.1823	-831	PC	3.4	0	9.9	1	0.9	-1	0.346	0	3.702	1	10.686	1	1916	38	1.4
9330.6	10000	38.2712	94.1823	-832	PC	3.3	0	10.5	1	1.0	-1	0.311	0	3.411	1	10.963	1	1945	45	1.4
9330.5	10000	38.2717	94.1823	-833	PM	2.9	-1	10.9	1	1.0	0	0.269	-1	2.894	0	10.766	1	1984	46	1.5
9330.4	10000	38.2723	94.1823	-836	PM	3.0	-1	11.4	2	1.0	0	0.265	-1	2.881	0	10.868	1	2026	56	1.5
9330.3	10000	38.2728	94.1823	-839	PM	3.3	0	11.5	2	1.1	0	0.290	-1	3.184	0	10.994	2	2062	52	1.5
9330.2	10000	38.2734	94.1823	-842	PM	3.5	0	10.9	1	1.1	0	0.322	0	3.192	0	9.923	1	2107	51	1.5
9330.1	10000	38.2739	94.1823	-846	PM	3.6	1	10.1	1	1.1	0	0.357	0	3.263	0	9.133	0	2112	44	1.5
9330.0	10000	38.2745	94.1824	-850	PM	3.4	0	9.5	0	1.1	0	0.360	0	3.025	0	8.397	0	2084	32	1.5
9329.9	10000	38.2750	94.1824	-855	PM	3.5	0	9.1	0	1.1	0	0.380	0	3.193	0	8.406	0	2033	49	1.5
9329.8	10000	38.2756	94.1824	-861	PM	3.5	0	8.8	-1	1.0	0	0.404	1	3.536	1	8.748	0	1967	47	1.5
9329.7	10000	38.2762	94.1824	-866	PM	3.0	-1	8.1	-1	1.0	-1	0.370	0	3.024	0	8.177	0	1903	50	1.5
9329.6	10000	38.2767	94.1824	-871	PM	2.8	-1	7.7	-2	0.9	-1	0.359	0	2.945	0	8.212	0	1843	42	1.5
9329.5	10000	38.2773	94.1824	-876	PM	2.7	-1	7.7	-2	0.9	-1	0.352	0	3.037	0	8.616	0	1769	60	1.5
9329.4	10000	38.2778	94.1824	-882	PM	2.5	-2	7.8	-2	0.8	-2	0.321	-1	2.982	0	9.297	0	1724	57	1.5
9329.3	10000	38.2784	94.1825	-888	PM	2.4	-2	8.2	-1	0.8	-2	0.299	-1	2.986	0	9.984	1	1705	46	1.5
9329.2	10000	38.2789	94.1825	-893	PM	2.4	-2	8.4	-1	0.8	-2	0.284	-1	2.937	0	10.327	1	1697	44	1.5
9329.1	10000	38.2795	94.1825	-898	PM	2.6	-1	8.6	-1	0.8	-2	0.305	-1	3.216	0	10.533	1	1707	55	1.5
9329.0	10000	38.2800	94.1824	-902	PM	2.9	-1	8.5	-1	0.8	-2	0.344	0	3.584	1	10.411	1	1715	42	1.5
9328.9	10000	38.2806	94.1824	-908	PM	2.8	-1	8.5	-1	0.9	-1	0.336	0	3.341	0	9.947	1	1733	47	1.5
9328.8	10000	38.2812	94.1824	-913	PM	3.0	0	8.4	-1	0.8	-2	0.360	0	3.590	0	9.983	1	1751	42	1.6
9328.7	10000	38.2817	94.1824	-916	PM	3.2	0	8.2	-1	0.8	-2	0.394	1	3.816	1	9.678	1	1762	62	1.6
9328.6	10000	38.2823	94.1824	-920	PM	3.4	0	8.3	-1	0.8	-2	0.408	1	4.033	1	9.879	1	1768	58	1.6
9328.5	10000	38.2829	94.1823	-924	PM	3.2	0	7.9	-1	0.8	-2	0.409	1	3.952	1	9.653	1	1771	54	1.6
9328.4	10000	38.2834	94.1823	-927	PM	3.1	0	8.0	-1	0.8	-2	0.386	1	3.646	1	9.450	0	1772	47	1.6
9328.3	10000	38.2840	94.1823	-930	PM	3.3	0	8.0	-1	0.8	-2	0.406	1	3.959	1	9.758	1	1777	53	1.6
9328.2	10000	38.2846	94.1823	-932	PM	3.3	0	8.1	-1	0.8	-2	0.404	1	4.300	1	10.639	1	1775	49	1.6
9328.1	10000	38.2851	94.1823	-934	PM	3.5	0	7.9	-1	0.8	-2	0.435	1	4.661	1	10.714	1	1774	39	1.6
9328.0	10000	38.2857	94.1822	-937	PM	3.6	1	7.7	-2	0.8	-2	0.460	1	4.682	1	10.173	1	1775	37	1.6
9327.9	10000	38.2862	94.1822	-938	PM	3.7	1	7.7	-2	0.8	-2	0.518	2	4.811	1	9.291	0	1787	37	1.6
9327.8	10000	38.2868	94.1822	-939	PM	3.9	1	7.3	-2	0.8	-2	0.538	2	4.805	1	8.937	0	1807	40	1.6
9327.7	10000	38.2874	94.1822	-940	PM	3.9	1	7.4	-2	0.8	-2	0.528	2	4.864	1	9.210	0	1815	38	1.6
9327.6	10000	38.2879	94.1821	-941	PM	4.0	1	7.5	-2	0.8	-2	0.530	2	5.100	1	9.621	1	1816	40	1.6
9327.5	10000	38.2885	94.1821	-941	PM	3.8	1	7.6	-2	0.8	-2	0.503	2	4.842	1	9.623	1	1822	46	1.6
9327.4	10000	38.2890	94.1821	-941	PM	3.6	1	8.3	-1	0.8	-2	0.431	2	4.570	1	10.597	2	1839	59	1.6
9327.3	10000	38.2896	94.1821	-941	PM	3.5	0	9.0	0	0.8	-2	0.362	1	4.113	1	11.373	2	1860	52	1.6
9327.2	10000	38.2902	94.1821	-940	PM	3.2	0	9.4	0	0.8	-2	0.345	1	4.073	1	11.810	2	1875	58	1.7
9327.1	10000	38.2907	94.1820	-940	PM	3.0	0	9.9	1	0.8	-2	0.322	1	3.926	1	12.195	2	1903	42	1.7
9327.0	10000	38.2913	94.1820	-939	PM	2.6	0	10.2	1	0.8	-2	0.300	1	3.650	1	12.187	2	1929	43	1.7
9326.9	10000	38.2919	94.1820	-938	PM	2.2	-1	10.4	1	0.9	-2	0.283	1	3.411	1	12.039	2	1956	43	1.7
9326.8	10000	38.2924	94.1820	-938	PM	1.9	-1	10.7	1	1.0	-1	0.306	1	3.446	1	11.261	2	1988	36	1.7
9326.7	10000	38.2930	94.1819	-937	PM	1.8	-1	10.6	1	1.0	-1	0.288	1	3.221	1	11.174	2	2002	52	1.7
9326.6	10000	38.2936	94.1819	-936	PM	1.8	-1	10.4	1	1.1	-1	0.281	1	3.019	1	10.742	2	2023	53	1.7
9326.5	10000	38.2941	94.1819	-936	PM	1.9	-1	10.4	1	1.1	-1	0.292	1	2.948	1	10.103	2	2046	52	1.7
9326.4	10000	38.2947	94.1819	-935	PM	2.1	0	10.4	1	1.1	-1	0.298	1	2.905	1	9.742	2	2033	57	1.7
9326.3	10000	38.2952	94.1819	-934	PM	2.3	0	10.4	1	1.1	-1	0.335	1	3.042	1	9.090	1	2051	65	1.7
9326.2	10000	38.2958	94.1818	-934	PM	2.6	0	9.8	0	1.1	0	0.311	-1	2.642	-1	8.505	0	2072	45	1.7

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9326.1	10000	38.2964	94.1818	-934	PM	3.1	0	9.7	0	1.2	1	0.320	-1	2.677	-1	8.361	0	2086	46	1.7
9326.0	10000	38.2969	94.1818	-934	PM	3.4	0	9.3	0	1.2	1	0.371	0	2.895	0	7.805	-1	2101	61	1.7
9325.9	10000	38.2975	94.1818	-934	PM	3.6	0	9.4	0	1.2	1	0.384	0	3.030	0	7.889	-1	2099	56	1.7
9325.8	10000	38.2980	94.1817	-934	PM	3.3	0	9.9	0	1.2	1	0.328	0	2.700	-1	8.222	0	2119	44	1.7
9325.7	10000	38.2986	94.1817	-934	PM	3.0	-1	10.0	1	1.2	1	0.298	-1	2.403	-1	8.075	-1	2156	42	1.7
9325.6	10000	38.2992	94.1817	-935	PM	3.0	-1	10.4	1	1.2	1	0.286	-1	2.417	-1	8.440	0	2169	45	1.7
9325.5	10000	38.2997	94.1817	-936	PM	3.4	0	10.5	1	1.2	1	0.328	0	2.802	0	8.546	0	2190	40	1.8
9325.4	10000	38.3003	94.1817	-937	PM	3.4	0	10.4	1	1.2	1	0.327	0	2.800	0	8.559	0	2214	50	1.8
9325.3	10000	38.3009	94.1816	-938	PM	3.3	0	10.5	1	1.2	1	0.311	-1	2.612	-1	8.398	0	2226	40	1.8
9325.2	10000	38.3014	94.1816	-939	PM	3.3	0	10.6	1	1.2	1	0.307	-1	2.622	-1	8.553	0	2243	47	1.8
9325.1	10000	38.3020	94.1816	-939	PM	3.5	0	10.4	1	1.2	1	0.333	0	2.930	0	8.792	0	2218	57	1.8
9325.0	10000	38.3026	94.1816	-940	PM	3.7	1	10.1	1	1.2	1	0.364	0	3.146	0	8.631	0	2198	40	1.8
9324.9	10000	38.3031	94.1816	-941	PM	3.6	1	9.8	1	1.2	1	0.365	0	3.036	0	8.307	0	2176	57	1.8
9324.8	10000	38.3037	94.1815	-942	PM	3.2	0	9.7	0	1.2	1	0.327	0	2.711	-1	8.301	0	2130	33	1.8
9324.7	10000	38.3042	94.1815	-943	PM	3.0	-1	9.6	0	1.2	1	0.309	-1	2.557	-1	8.271	0	2079	46	1.8
9324.6	10000	38.3048	94.1815	-944	PM	3.1	0	9.8	0	1.1	0	0.320	-1	2.863	0	8.943	0	2054	51	1.8
9324.5	10000	38.3054	94.1815	-944	PM	3.0	-1	9.8	0	1.0	0	0.303	-1	2.829	0	9.346	0	2029	51	1.8
9324.4	10000	38.3059	94.1814	-945	PM	3.2	0	9.8	0	1.1	0	0.325	0	3.017	0	9.272	0	2013	47	1.8
9324.3	10000	38.3065	94.1814	-945	PM	3.2	0	10.0	1	1.0	0	0.325	0	3.179	0	9.792	1	2008	52	1.8
9324.2	10000	38.3071	94.1814	-945	PM	3.4	0	10.0	1	1.0	-1	0.335	0	3.476	1	10.367	1	1997	40	1.8
9324.1	10000	38.3076	94.1814	-945	PM	3.4	0	9.9	1	0.9	-1	0.347	0	3.691	1	10.631	1	2007	46	1.8
9324.0	10000	38.3082	94.1814	-945	PM	3.4	0	10.2	1	0.9	-1	0.335	0	3.703	1	11.063	2	2031	39	1.8
9323.9	10000	38.3087	94.1813	-946	PM	3.2	0	10.4	1	0.9	-1	0.309	-1	3.439	1	11.142	2	2031	36	1.8
9323.8	10000	38.3093	94.1813	-946	PM	3.4	0	10.2	1	0.9	-1	0.329	0	3.633	1	11.030	2	2025	43	1.8
9323.7	10000	38.3099	94.1813	-946	PM	3.1	0	10.3	1	0.9	-1	0.305	-1	3.486	1	11.423	2	2016	55	1.8
9323.6	10000	38.3104	94.1813	-945	PM	3.0	-1	10.3	1	0.9	-1	0.293	-1	3.468	1	11.838	2	2004	40	1.8
9323.5	10000	38.3110	94.1813	-945	PM	2.8	-1	10.5	1	0.9	-1	0.266	-1	3.179	1	11.937	2	2004	36	1.8
9323.4	10000	38.3116	94.1812	-945	PM	2.7	-1	10.8	1	0.9	-1	0.251	-2	2.996	0	11.946	2	2002	55	1.8
9323.3	10000	38.3121	94.1812	-944	PM	2.7	-1	10.9	1	0.9	-1	0.250	-2	2.917	0	11.679	2	1991	49	1.8
9323.2	10000	38.3127	94.1812	-944	PM	2.5	-2	10.8	1	0.9	-1	0.231	-2	2.626	-1	11.383	2	1998	55	1.8
9323.1	10000	38.3133	94.1812	-942	PM	2.5	-1	11.0	1	0.9	-1	0.225	-2	2.599	-1	11.700	2	2003	47	1.8
9323.0	10000	38.3138	94.1811	-941	PM	2.6	-1	11.2	1	0.9	-1	0.233	-2	2.613	-1	11.140	2	2016	38	1.8
9322.9	10000	38.3144	94.1811	-941	PM	2.5	-1	11.0	1	0.9	-1	0.234	-2	2.497	-1	10.697	2	2019	52	1.8
9322.8	10000	38.3149	94.1811	-939	PM	2.5	-1	10.9	1	0.9	-1	0.229	-2	2.379	-1	10.189	2	2016	47	1.8
9322.7	10000	38.3155	94.1811	-939	PM	2.5	-1	10.6	1	0.9	-1	0.234	-2	2.352	-1	10.255	2	2028	56	1.8
9322.6	10000	38.3161	94.1811	-937	PM	2.5	-1	10.8	1	0.9	-1	0.232	-2	2.427	-1	10.355	2	2037	59	1.8
9322.5	10000	38.3166	94.1810	-936	PM	2.5	-1	10.8	1	0.9	-1	0.229	-2	2.425	-1	10.933	2	2035	51	1.8
9322.4	10000	38.3172	94.1810	-935	PM	2.5	-1	10.8	1	0.9	-1	0.229	-2	2.425	-1	10.733	2	2033	41	1.8
9322.3	10000	38.3177	94.1810	-934	PM	2.5	-1	10.8	1	0.9	-1	0.229	-2	2.425	-1	10.835	2	2030	44	1.8
9322.2	10000	38.3183	94.1810	-933	PM	2.5	-1	10.8	1	0.9	-1	0.229	-2	2.425	-1	10.327	2	2023	46	1.8
9322.1	10000	38.3189	94.1810	-932	PM	2.5	-1	10.8	1	0.9	-1	0.229	-2	2.425	-1	10.563	2	2023	50	1.8
9322.0	10000	38.3194	94.1809	-929	PM	2.5	-1	10.8	1	0.9	-1	0.229	-2	2.425	-1	10.196	2	2006	47	1.8
9321.9	10000	38.3200	94.1809	-928	PM	2.5	-1	10.8	1	0.9	-1	0.229	-2	2.425	-1	10.312	2	2002	53	1.8
9321.8	10000	38.3206	94.1809	-930	PM	2.5	-1	10.8	1	0.9	-1	0.229	-2	2.425	-1	10.343	2	2011	37	1.8
9321.7	10000	38.3211	94.1809	-929	PM	2.5	-1	10.8	1	0.9	-1	0.229	-2	2.425	-1	10.338	2	2031	47	1.8
9321.6	10000	38.3217	94.1808	-927	PM	2.5	-1	10.8	1	0.9	-1	0.229	-2	2.425	-1	10.298	2	2054	51	1.8
9321.5	10000	38.3223	94.1808	-926	PM	2.5	-1	10.8	1	0.9	-1	0.229	-2	2.425	-1	9.677	2	2075	35	1.8
9321.4	10000	38.3228	94.1808	-924	PM	2.5	-1	10.8	1	0.9	-1	0.229	-2	2.425	-1	9.435	2	2109	41	1.8
9321.3	10000	38.3234	94.1808	-923	PM	2.5	-1	10.8	1	0.9	-1	0.229	-2	2.425	-1	9.168	2	2137	51	1.8
9321.2	10000	38.3239	94.1807	-921	PM	2.5	-1	10.8	1	0.9	-1	0.229	-2	2.425	-1	8.636	2	2157	49	1.8
9321.1	10000	38.3245	94.1807	-920	PM	2.5	-1	10.8	1	0.9	-1	0.229	-2	2.425	-1	8.298	2	2176	45	1.8
9321.0	10000	38.3251	94.1807	-918	PM	2.5	-1	10.8	1	0.9	-1	0.229	-2	2.425	-1	8.783	2	2176	45	1.8

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9320.9	10000	38.3256	94.1807	-916	PM	3.5	0	9.5	0	1.3	2	0.368	0	2.627	-1	7.148	-1	2189	44	1.9
9320.8	10000	38.3262	94.1807	-914	PM	3.4	0	9.5	0	1.3	2	0.358	0	2.558	-1	7.138	-1	2205	49	1.9
9320.7	10000	38.3268	94.1806	-912	PM	3.5	0	9.5	0	1.3	1	0.365	0	2.667	-1	7.304	-1	2227	42	1.9
9320.6	10000	38.3273	94.1806	-910	PM	3.6	1	9.3	0	1.2	1	0.385	1	2.871	0	7.448	-1	2224	40	1.9
9320.5	10000	38.3279	94.1806	-907	PM	3.6	1	9.4	0	1.2	1	0.387	1	2.996	0	7.746	-1	2220	39	1.9
9320.4	10000	38.3284	94.1806	-904	PM	3.7	1	9.3	0	1.1	0	0.401	1	3.263	0	8.146	-1	2216	45	1.9
9320.3	10000	38.3290	94.1806	-901	PM	3.6	1	9.3	0	1.1	0	0.391	1	3.177	0	8.129	-1	2216	51	1.9
9320.2	10000	38.3296	94.1805	-898	PM	3.6	1	9.5	0	1.1	0	0.372	0	3.281	0	8.809	0	2212	51	1.9
9320.1	10000	38.3301	94.1805	-894	PM	3.5	0	9.3	0	1.1	0	0.376	0	3.219	0	8.552	0	2198	43	1.9
9320.0	10000	38.3307	94.1805	-891	PM	3.5	0	9.4	0	1.2	1	0.369	0	2.970	0	8.041	-1	2174	51	1.9
9319.9	10000	38.3312	94.1805	-887	PM	3.2	0	9.5	0	1.2	1	0.337	0	2.628	-1	7.794	-1	2158	56	1.9
9319.8	10000	38.3318	94.1805	-882	PM	3.0	0	8.9	0	1.3	1	0.339	0	2.406	-1	7.093	-1	2142	38	1.9
9319.7	10000	38.3324	94.1804	-877	PM	3.3	0	8.9	-1	1.3	1	0.375	0	2.622	-1	6.991	-1	2144	41	1.9
9319.6	10000	38.3329	94.1804	-873	PM	3.3	0	9.5	0	1.3	1	0.349	0	2.545	-1	7.282	-1	2145	49	1.9
9319.5	10000	38.3335	94.1804	-869	PM	3.4	0	9.5	0	1.3	2	0.355	0	2.563	-1	7.217	-1	2137	51	1.9
9319.4	10000	38.3341	94.1804	-865	PM	3.4	0	9.7	0	1.3	2	0.348	0	2.525	-1	7.260	-1	2144	62	1.9
9319.3	10000	38.3346	94.1803	-860	PM	3.1	0	9.6	0	1.3	1	0.327	0	2.458	-1	7.517	-1	2148	50	1.9
9319.2	10000	38.3352	94.1803	-855	PM	3.3	0	9.5	0	1.3	1	0.346	0	2.586	-1	7.484	-1	2162	52	1.9
9319.1	10000	38.3358	94.1803	-850	PM	3.5	0	10.3	1	1.2	1	0.339	0	2.882	0	8.494	0	2177	44	1.9
9319.0	10000	38.3363	94.1803	-845	PM	3.4	0	10.2	1	1.2	1	0.336	0	2.858	0	8.502	0	2184	41	1.9
9318.9	10000	38.3369	94.1803	-840	PM	3.4	0	9.9	0	1.1	0	0.346	0	2.972	0	8.586	0	2181	51	1.9
9318.8	10000	38.3374	94.1802	-834	PM	3.3	0	10.3	1	1.2	1	0.317	-1	2.763	-1	8.726	0	2187	53	1.9
9318.7	10000	38.3380	94.1802	-829	PM	3.3	0	10.5	1	1.2	1	0.312	-1	2.774	-1	8.891	0	2187	37	1.9
9318.6	10000	38.3386	94.1802	-824	PM	3.4	0	11.0	2	1.2	1	0.304	-1	2.747	-1	9.041	0	2209	43	1.9
9318.5	10000	38.3391	94.1802	-819	PM	3.5	0	11.4	2	1.2	1	0.305	-1	2.898	0	9.493	0	2214	46	1.9
9318.4	10000	38.3397	94.1802	-814	PM	3.6	1	11.1	2	1.3	1	0.322	0	2.851	0	8.853	0	2219	38	1.9
9318.3	10000	38.3403	94.1801	-809	PM	3.6	1	11.2	2	1.3	1	0.300	-1	2.662	-1	8.888	0	2217	31	1.9
9318.2	10000	38.3408	94.1801	-805	PM	3.6	1	11.2	2	1.3	1	0.285	-1	2.479	-1	8.687	0	2225	51	1.9
9318.1	10000	38.3414	94.1801	-801	PM	3.6	1	11.2	2	1.3	1	0.316	0	2.720	0	8.612	0	2234	36	1.9
9318.0	10000	38.3419	94.1801	-798	PM	3.6	1	11.2	2	1.3	1	0.319	0	2.663	0	8.335	0	2242	47	1.9
9317.9	10000	38.3425	94.1801	-795	PM	3.6	1	11.2	2	1.3	1	0.350	0	2.763	0	8.892	0	2230	35	1.9
9317.8	10000	38.3431	94.1800	-791	PM	3.6	1	11.2	2	1.3	1	0.360	0	2.882	0	8.999	0	2229	43	1.9
9317.7	10000	38.3436	94.1800	-790	PM	3.6	1	11.2	2	1.3	1	0.358	0	2.880	0	8.653	0	2224	47	1.9
9317.6	10000	38.3442	94.1800	-789	PM	3.6	1	11.2	2	1.3	1	0.356	0	2.881	0	8.108	0	2225	45	1.9
9317.5	10000	38.3448	94.1800	-788	PM	3.6	1	11.2	2	1.3	1	0.395	0	2.882	0	8.175	0	2208	42	1.9
9317.4	10000	38.3453	94.1799	-786	PM	3.6	1	11.2	2	1.3	1	0.365	0	2.883	0	8.159	0	2187	48	1.9
9317.3	10000	38.3459	94.1799	-784	PM	3.6	1	11.2	2	1.3	1	0.354	0	2.884	0	8.715	0	2176	48	1.9
9317.2	10000	38.3464	94.1799	-782	PM	3.6	1	11.2	2	1.3	1	0.361	0	2.885	0	8.019	0	2157	41	1.9
9317.1	10000	38.3470	94.1799	-780	PM	3.6	1	11.2	2	1.3	1	0.326	0	2.886	0	8.035	0	2145	38	1.9
9317.0	10000	38.3476	94.1799	-778	PM	3.6	1	11.2	2	1.3	1	0.329	0	2.887	0	8.094	0	2139	53	1.9
9316.9	10000	38.3481	94.1798	-776	PM	3.6	1	11.2	2	1.3	1	0.346	0	2.888	0	8.087	0	2146	44	1.9
9316.8	10000	38.3487	94.1798	-774	PM	3.6	1	11.2	2	1.3	1	0.340	0	2.888	0	8.042	0	2140	42	1.9
9316.7	10000	38.3493	94.1798	-771	PM	3.6	1	11.2	2	1.3	1	0.362	0	2.888	0	8.088	0	2162	43	1.9
9316.6	10000	38.3498	94.1798	-767	PM	3.6	1	11.2	2	1.3	1	0.336	0	2.888	0	8.026	0	2157	45	1.9
9316.5	10000	38.3504	94.1797	-763	PM	3.6	1	11.2	2	1.3	1	0.349	0	2.888	0	8.064	0	2143	48	1.9
9316.4	10000	38.3509	94.1797	-762	PM	3.6	1	11.2	2	1.3	1	0.327	0	2.888	0	8.029	0	2133	43	1.9
9316.3	10000	38.3515	94.1797	-759	PM	3.6	1	11.2	2	1.3	1	0.325	0	2.888	0	8.029	0	2125	52	1.9
9316.2	10000	38.3521	94.1797	-756	PM	3.6	1	11.2	2	1.3	1	0.354	0	2.888	0	8.029	0	2117	55	1.9
9316.1	10000	38.3526	94.1796	-753	PM	3.6	1	11.2	2	1.3	1	0.332	0	2.888	0	8.029	0	2104	53	1.9
9316.0	10000	38.3532	94.1796	-749	PM	3.6	1	11.2	2	1.3	1	0.364	0	2.888	0	8.029	0	2086	55	1.9
9315.9	10000	38.3538	94.1796	-746	PM	3.6	1	11.2	2	1.3	1	0.364	0	2.888	0	8.029	0	2086	55	1.9
9315.8	10000	38.3543	94.1796	-746	PM	3.6	1	11.2	2	1.3	1	0.364	0	2.888	0	8.029	0	2086	55	1.9

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9315.7	10000	38.3549	94.1796	-742	PM	3.6	1	9.5	0	1.1	0	0.374	0	3.378	0	9.027	0	2087	62	1.8
9315.6	10000	38.3555	94.1796	-739	PM	3.5	0	9.1	0	1.1	0	0.378	0	3.093	0	8.183	0	2088	38	1.8
9315.5	10000	38.3560	94.1795	-736	PM	3.6	1	8.9	0	1.1	0	0.398	1	3.235	0	8.118	-1	2093	61	1.8
9315.4	10000	38.3566	94.1795	-733	PM	3.6	1	9.0	0	1.2	0	0.397	1	3.105	0	7.816	-1	2111	43	1.8
9315.3	10000	38.3571	94.1795	-730	PM	3.6	1	9.2	0	1.1	0	0.386	1	3.131	0	8.111	-1	2125	63	1.8
9315.2	10000	38.3577	94.1795	-726	PM	3.6	1	9.0	0	1.1	0	0.403	1	3.153	0	7.820	-1	2152	40	1.8
9315.1	10000	38.3583	94.1794	-723	PM	3.9	1	8.9	0	1.1	0	0.435	1	3.487	1	8.019	-1	2151	42	1.8
9315.0	10000	38.3588	94.1794	-720	PM	4.0	1	9.0	0	1.1	0	0.448	2	3.535	1	7.892	-1	2152	48	1.8
9314.9	10000	38.3594	94.1794	-717	PM	3.7	1	9.0	0	1.1	0	0.409	1	3.275	0	7.999	-1	2159	56	1.8
9314.8	10000	38.3600	94.1794	-714	PM	3.6	1	8.9	-1	1.1	0	0.408	1	3.306	0	8.109	-1	2144	53	1.8
9314.7	10000	38.3605	94.1794	-711	PM	3.6	1	9.0	0	1.1	0	0.401	1	3.408	0	8.504	0	2128	47	1.8
9314.6	10000	38.3611	94.1793	-708	PM	3.4	0	8.8	-1	1.1	0	0.384	1	3.164	0	8.236	0	2099	45	1.8
9314.5	10000	38.3616	94.1793	-705	PM	3.4	0	8.8	-1	1.1	0	0.383	1	3.165	0	8.273	0	2051	41	1.8
9314.4	10000	38.3622	94.1793	-702	PM	3.3	0	9.0	0	1.1	0	0.364	0	2.973	0	8.169	0	2052	48	1.8
9314.3	10000	38.3628	94.1793	-699	PM	3.2	0	8.9	0	1.1	0	0.364	0	3.065	0	8.419	0	2033	51	1.8
9314.2	10000	38.3633	94.1792	-697	PM	3.5	0	9.3	0	1.0	0	0.377	1	3.445	0	9.143	0	2021	56	1.8
9314.1	10000	38.3639	94.1792	-694	PM	3.5	0	9.4	0	1.0	0	0.370	0	3.358	0	9.076	0	2029	50	1.8
9314.0	10000	38.3644	94.1792	-691	PM	3.4	0	9.5	0	1.0	0	0.353	0	3.286	0	9.306	0	2015	51	1.8
9313.9	10000	38.3650	94.1792	-688	PM	3.4	0	9.3	0	1.0	0	0.364	0	3.342	0	9.175	0	2021	42	1.8
9313.8	10000	38.3656	94.1792	-685	PM	3.3	0	9.5	0	1.1	0	0.343	0	3.015	0	8.780	0	2037	50	1.8
9313.7	10000	38.3661	94.1791	-682	PM	3.1	0	9.5	0	1.1	0	0.329	0	2.931	0	8.916	0	2028	43	1.8
9313.6	10000	38.3667	94.1791	-678	PM	3.0	-1	10.1	1	1.1	0	0.297	-1	2.754	-1	9.267	0	2050	43	1.8
9313.5	10000	38.3673	94.1791	-674	PM	2.9	-1	9.9	1	1.1	0	0.290	-1	2.707	-1	9.345	0	2059	59	1.8
9313.4	10000	38.3678	94.1791	-671	PM	3.0	0	10.3	1	1.0	0	0.297	-1	2.980	0	10.024	1	2068	52	1.8
9313.3	10000	38.3684	94.1790	-667	PM	3.4	0	10.3	1	1.0	0	0.332	0	3.351	0	10.080	1	2071	50	1.8
9313.2	10000	38.3690	94.1790	-664	PM	3.5	0	10.2	1	1.1	0	0.345	0	3.304	0	9.562	1	2074	45	1.8
9313.1	10000	38.3695	94.1790	-660	PM	3.5	0	10.2	1	1.1	0	0.345	0	3.195	0	9.644	1	2092	47	1.8
9313.0	10000	38.3701	94.1790	-657	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.619	0	9.756	1	2091	42	1.8
9312.9	10000	38.3707	94.1790	-653	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.798	0	9.521	1	2081	36	1.8
9312.8	10000	38.3712	94.1789	-648	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.916	0	9.030	1	2070	58	1.8
9312.7	10000	38.3718	94.1789	-645	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.787	0	9.562	1	2066	52	1.8
9312.6	10000	38.3724	94.1789	-641	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.579	0	9.032	1	2079	48	1.8
9312.5	10000	38.3729	94.1789	-637	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.637	0	9.097	1	2087	46	1.8
9312.4	10000	38.3735	94.1788	-633	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.639	0	9.533	1	2068	42	1.8
9312.3	10000	38.3741	94.1788	-629	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.026	0	9.509	1	2075	54	1.8
9312.2	10000	38.3746	94.1788	-625	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.590	0	9.916	1	2078	40	1.8
9312.1	10000	38.3752	94.1788	-621	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.567	0	9.161	1	2099	50	1.8
9312.0	10000	38.3758	94.1787	-617	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.341	0	9.554	1	2090	45	1.8
9311.9	10000	38.3763	94.1787	-614	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.578	0	9.296	1	2109	42	1.8
9311.8	10000	38.3769	94.1787	-610	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.515	0	9.113	1	2108	55	1.8
9311.7	10000	38.3775	94.1787	-606	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.792	0	9.961	1	2135	42	1.8
9311.6	10000	38.3780	94.1786	-603	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.697	0	9.096	1	2127	56	1.8
9311.5	10000	38.3786	94.1786	-600	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.237	0	9.903	1	2148	50	1.8
9311.4	10000	38.3792	94.1786	-596	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.232	0	9.116	1	2142	62	1.8
9311.3	10000	38.3798	94.1786	-593	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.580	0	9.054	1	2157	48	1.8
9311.2	10000	38.3803	94.1786	-590	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.408	0	8.526	1	2147	37	1.8
9311.1	10000	38.3809	94.1785	-588	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.448	0	9.567	1	2166	47	1.8
9311.0	10000	38.3815	94.1785	-585	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.529	0	9.949	1	2158	50	1.8
9310.9	10000	38.3820	94.1785	-582	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.774	0	9.701	1	2163	43	1.8
9310.8	10000	38.3826	94.1785	-580	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.661	0	9.897	1	2140	39	1.8
9310.7	10000	38.3832	94.1784	-578	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.675	0	9.711	1	2139	33	1.8
9310.6	10000	38.3837	94.1784	-576	PM	3.6	0	10.2	1	1.1	0	0.353	0	3.496	0	9.711	1	2126	38	1.8

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9310.5	10000	38.3843	94.1784	-574	PM	3.8	1	9.6	0	1.1	0	0.396	1	3.596	1	9.075	0	2132	50	1.8
9310.4	10000	38.3849	94.1784	-573	PM	3.7	1	9.9	0	1.1	0	0.372	1	3.564	1	9.569	0	2126	41	1.8
9310.3	10000	38.3854	94.1783	-572	PM	3.8	1	10.1	1	1.1	0	0.379	1	3.636	1	9.602	1	2129	49	1.8
9310.2	10000	38.3860	94.1783	-571	PM	3.8	1	10.0	1	1.1	0	0.377	1	3.488	1	9.243	0	2147	46	1.8
9310.1	10000	38.3866	94.1783	-570	PM	3.7	1	10.3	1	1.1	0	0.358	1	3.387	1	9.450	0	2171	45	1.8
9310.0	10000	38.3872	94.1783	-570	PM	3.6	1	10.2	1	1.1	0	0.348	1	3.144	0	9.026	0	2185	45	1.8
9309.9	10000	38.3877	94.1782	-569	PM	3.6	1	10.3	1	1.1	0	0.347	1	3.201	0	9.220	0	2193	55	1.9
9309.8	10000	38.3883	94.1782	-571	PM	3.7	1	10.5	1	1.2	0	0.347	1	3.134	0	9.021	0	2195	38	1.9
9309.7	10000	38.3889	94.1782	-572	PM	3.5	1	10.3	1	1.2	0	0.338	1	2.919	0	8.650	0	2172	40	1.9
9309.6	10000	38.3894	94.1782	-573	PM	3.3	1	10.5	1	1.2	0	0.310	-1	2.814	0	9.067	0	2153	46	1.9
9309.5	10000	38.3900	94.1781	-574	PM	3.3	1	10.5	1	1.1	0	0.311	-1	2.847	0	9.143	0	2120	51	1.9
9309.4	10000	38.3906	94.1781	-575	PM	3.2	1	10.6	1	1.2	0	0.306	-1	2.776	-1	9.080	0	2103	45	1.9
9309.3	10000	38.3911	94.1781	-575	PM	3.2	1	10.5	1	1.2	0	0.305	-1	2.765	-1	9.073	0	2078	64	1.9
9309.2	10000	38.3917	94.1781	-578	PM	3.1	1	10.1	1	1.1	0	0.310	-1	2.740	-1	8.833	0	2065	40	1.9
9309.1	10000	38.3923	94.1781	-579	PM	3.0	1	9.7	1	1.1	0	0.307	-1	2.764	-1	9.004	0	2045	33	1.9
9309.0	10000	38.3928	94.1780	-580	PM	3.2	1	9.7	1	1.2	0	0.330	0	3.094	0	9.364	0	2046	45	1.9
9308.9	10000	38.3934	94.1780	-580	PM	3.3	1	9.9	1	1.2	0	0.342	0	3.052	0	8.928	0	2033	55	1.9
9308.8	10000	38.3940	94.1780	-581	PM	3.3	1	9.9	1	1.2	0	0.350	0	3.213	0	9.182	0	2044	43	1.9
9308.7	10000	38.3946	94.1779	-582	PM	3.3	1	9.9	1	1.2	0	0.355	1	3.445	0	9.710	1	2034	52	1.9
9308.6	10000	38.3951	94.1779	-582	PM	3.4	1	9.9	1	1.2	0	0.378	1	3.670	1	9.712	1	2035	54	1.9
9308.5	10000	38.3957	94.1779	-582	PM	3.6	1	9.9	1	1.2	0	0.379	1	3.862	1	10.181	1	2050	49	1.9
9308.4	10000	38.3963	94.1779	-582	PM	3.7	1	9.9	1	1.2	0	0.397	1	3.983	1	10.040	1	2048	28	1.9
9308.3	10000	38.3968	94.1779	-581	PM	3.6	1	9.9	1	1.2	0	0.397	1	4.034	1	10.155	1	2041	51	1.9
9308.2	10000	38.3974	94.1778	-581	PM	3.7	1	9.9	1	1.2	0	0.382	1	4.197	2	10.984	2	2054	46	1.9
9308.1	10000	38.3980	94.1778	-580	PM	3.8	1	9.9	1	1.2	0	0.405	1	4.139	2	10.219	1	2047	47	1.9
9308.0	10000	38.3985	94.1778	-579	PM	3.6	1	9.8	1	1.2	0	0.406	1	3.867	1	9.520	0	2016	54	1.9
9307.9	10000	38.3991	94.1778	-578	PM	3.4	1	9.8	1	1.1	0	0.371	1	3.627	1	9.774	1	1981	40	1.9
9307.8	10000	38.3997	94.1777	-577	PM	3.2	1	9.8	1	1.1	0	0.375	1	3.506	1	9.339	0	1932	52	1.9
9307.7	10000	38.4003	94.1777	-576	PM	3.1	1	9.8	1	1.1	0	0.373	1	3.526	1	9.463	0	1887	50	1.9
9307.6	10000	38.4008	94.1777	-574	PM	3.0	1	9.8	1	1.1	0	0.374	1	3.531	1	9.431	0	1841	57	1.9
9307.5	10000	38.4014	94.1777	-572	PM	2.9	1	9.8	1	1.1	0	0.383	1	3.316	0	8.649	0	1779	50	1.9
9307.4	10000	38.4020	94.1776	-571	PM	2.9	1	9.8	1	1.1	0	0.376	1	3.424	0	9.107	0	1720	39	1.9
9307.3	10000	38.4025	94.1776	-569	PM	2.9	1	9.8	1	1.1	0	0.386	1	3.603	0	9.333	0	1684	61	1.9
9307.2	10000	38.4031	94.1776	-568	PM	2.9	1	9.8	1	1.1	0	0.424	1	3.841	0	9.048	0	1650	45	1.9
9307.1	10000	38.4037	94.1776	-567	PM	2.9	1	9.8	1	1.1	0	0.423	1	3.870	0	9.151	0	1639	53	1.9
9307.0	10000	38.4042	94.1776	-566	PM	2.9	1	9.8	1	1.1	0	0.425	1	3.687	0	8.671	0	1657	49	1.9
9306.9	10000	38.4048	94.1775	-564	PM	2.9	1	9.8	1	1.1	0	0.417	1	3.418	0	8.202	0	1696	38	1.9
9306.8	10000	38.4054	94.1775	-562	PM	2.9	1	9.8	1	1.1	0	0.515	1	3.843	0	7.464	-1	1769	53	1.9
9306.7	10000	38.4059	94.1775	-560	PM	2.9	1	9.8	1	1.1	0	0.509	1	3.845	0	7.549	-1	1840	52	1.9
9306.6	10000	38.4065	94.1774	-558	PM	2.9	1	9.8	1	1.1	0	0.567	1	4.038	0	7.126	-1	1906	50	1.9
9306.5	10000	38.4071	94.1774	-557	PM	2.9	1	9.8	1	1.1	0	0.590	1	4.125	0	6.990	-1	1975	40	1.9
9306.4	10000	38.4076	94.1774	-555	PM	2.9	1	9.8	1	1.1	0	0.605	1	4.073	0	6.734	-2	2023	41	1.9
9306.3	10000	38.4082	94.1774	-553	PM	2.9	1	9.8	1	1.1	0	0.597	1	4.136	0	6.932	-1	2045	47	1.9
9306.2	10000	38.4088	94.1774	-552	PM	2.9	1	9.8	1	1.1	0	0.620	1	4.378	0	7.059	-1	2048	45	1.9
9306.1	10000	38.4094	94.1773	-550	PM	2.9	1	9.8	1	1.1	0	0.556	1	4.310	0	7.756	-1	2023	59	1.9
9306.0	10000	38.4099	94.1773	-548	PM	2.9	1	9.8	1	1.1	0	0.533	1	4.139	0	7.761	-1	2003	50	1.9
9305.9	10000	38.4105	94.1773	-546	PM	2.9	1	9.8	1	1.1	0	0.513	1	4.179	0	8.145	-1	1967	39	1.9
9305.8	10000	38.4111	94.1773	-545	PM	2.9	1	9.8	1	1.1	0	0.468	1	4.253	0	8.091	0	1925	42	1.9
9305.7	10000	38.4116	94.1772	-543	PM	2.9	1	9.8	1	1.1	0	0.491	1	4.458	0	8.077	0	1886	35	1.9
9305.6	10000	38.4122	94.1772	-540	PM	2.9	1	9.8	1	1.1	0	0.531	1	4.499	0	8.465	0	1847	50	1.9
9305.5	10000	38.4128	94.1772	-539	PM	2.9	1	9.8	1	1.1	0	0.548	1	4.824	0	8.799	0	1813	42	1.9
9305.4	10000	38.4133	94.1772	-536	PM	2.9	1	9.8	1	1.1	0	0.537	1	4.640	0	8.643	0	1784	47	1.9

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9305.3	10000	38.4139	94.1771	-535	PM	3.6	1	6.7	-3	0.8	-2	0.537	3	4.570	2	8.515	0	1757	49	1.9
9305.2	10000	38.4145	94.1771	-534	PM	3.5	0	6.4	-3	0.8	-2	0.548	3	4.304	2	7.849	-1	1765	38	1.9
9305.1	10000	38.4150	94.1771	-534	PM	3.6	1	6.2	-3	0.9	-1	0.575	4	4.141	2	7.204	-1	1778	31	1.9
9305.0	10000	38.4156	94.1771	-531	PM	3.6	1	6.3	-3	0.9	-1	0.567	3	3.981	1	7.022	-1	1810	44	1.9
9304.9	10000	38.4162	94.1770	-529	PM	3.8	1	6.7	-3	0.9	-1	0.565	3	4.186	2	7.409	-1	1858	45	1.9
9304.8	10000	38.4168	94.1770	-526	PM	3.7	1	6.8	-3	0.9	-1	0.544	3	3.902	1	7.179	-1	1891	34	1.9
9304.7	10000	38.4173	94.1770	-523	PM	3.7	1	6.8	-3	0.9	-1	0.544	3	3.914	1	7.196	-1	1928	42	1.9
9304.6	10000	38.4179	94.1770	-519	PC	3.6	1	6.8	-2	1.0	-1	0.531	2	3.762	1	7.079	-1	1940	38	1.9
9304.5	10000	38.4185	94.1769	-516	PC	3.7	1	7.1	-2	1.0	-1	0.523	2	3.839	1	7.341	-1	1940	45	1.9
9304.4	10000	38.4190	94.1769	-512	PC	3.6	1	7.1	-2	0.9	-1	0.508	2	3.916	1	7.707	-1	1935	38	1.9
9304.3	10000	38.4196	94.1769	-508	PC	3.7	1	7.1	-2	0.9	-1	0.525	2	4.048	1	7.712	-1	1945	46	1.9
9304.2	10000	38.4202	94.1769	-503	PC	3.5	0	7.3	-2	0.9	-1	0.484	2	3.833	1	7.921	-1	1942	46	1.9
9304.1	10000	38.4207	94.1768	-498	PC	3.5	0	7.5	-1	0.9	-1	0.465	1	3.761	1	8.096	0	1945	51	1.9
9304.0	10000	38.4213	94.1768	-492	PC	3.6	0	7.9	-1	1.0	-1	0.456	1	3.743	1	8.207	0	1948	44	1.9
9303.9	10000	38.4219	94.1768	-486	PC	3.8	1	7.7	-1	1.0	-1	0.493	2	3.942	1	7.995	-1	1974	45	1.9
9303.8	10000	38.4224	94.1768	-478	PC	3.8	1	7.6	-1	1.0	0	0.505	2	3.898	1	7.715	-1	2001	57	1.9
9303.7	10000	38.4230	94.1768	-472	PC	4.0	1	7.5	-1	1.0	0	0.537	2	4.088	1	7.613	-1	2024	55	1.9
9303.6	10000	38.4236	94.1767	-467	PC	4.0	1	7.9	-1	1.0	0	0.505	2	3.960	1	7.842	-1	2038	49	1.9
9303.5	10000	38.4241	94.1767	-461	PC	4.1	1	7.7	-1	1.0	0	0.525	2	3.900	1	7.422	-1	2052	34	1.9
9303.4	10000	38.4247	94.1767	-455	PC	4.5	2	7.8	-1	1.1	0	0.575	3	4.220	2	7.344	-1	2101	47	1.9
9303.3	10000	38.4253	94.1767	-448	PC	4.7	2	8.2	-1	1.1	0	0.577	3	4.354	2	7.549	-1	2149	44	1.9
9303.2	10000	38.4259	94.1766	-441	PC	4.6	2	8.7	0	1.1	0	0.526	2	4.082	1	7.757	-1	2191	44	1.9
9303.1	10000	38.4264	94.1766	-434	PC	4.7	2	9.0	0	1.1	0	0.519	2	4.105	1	7.911	-1	2229	36	1.9
9303.0	10000	38.4270	94.1766	-427	PC	4.7	2	9.3	0	1.2	1	0.505	2	3.874	1	7.677	-1	2268	49	1.9
9302.9	10000	38.4276	94.1766	-420	PC	4.7	2	9.3	0	1.2	1	0.501	2	3.827	1	7.639	-1	2286	45	1.9
9302.8	10000	38.4281	94.1765	-413	PC	4.6	2	9.4	0	1.3	1	0.492	2	3.649	1	7.412	-1	2302	44	1.9
9302.7	10000	38.4287	94.1765	-406	PC	4.6	2	9.3	0	1.3	1	0.496	2	3.683	1	7.424	-1	2297	39	1.9
9302.6	10000	38.4293	94.1765	-399	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2282	54	1.9
9302.5	10000	38.4298	94.1765	-391	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2270	43	1.9
9302.4	10000	38.4304	94.1764	-384	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2254	46	1.9
9302.3	10000	38.4310	94.1764	-377	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2230	54	1.9
9302.2	10000	38.4315	94.1764	-369	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2201	47	1.9
9302.1	10000	38.4321	94.1764	-361	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2166	44	1.9
9302.0	10000	38.4327	94.1763	-352	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2133	39	1.9
9301.9	10000	38.4333	94.1763	-344	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2101	48	1.9
9301.8	10000	38.4338	94.1763	-336	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2068	42	1.9
9301.7	10000	38.4344	94.1763	-327	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2045	59	1.9
9301.6	10000	38.4350	94.1762	-319	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2056	38	1.9
9301.5	10000	38.4355	94.1762	-311	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2054	55	1.9
9301.4	10000	38.4361	94.1762	-303	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2060	27	1.9
9301.3	10000	38.4367	94.1762	-296	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2073	52	1.9
9301.2	10000	38.4372	94.1761	-289	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2087	53	1.9
9301.1	10000	38.4378	94.1761	-282	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2107	44	1.9
9301.0	10000	38.4384	94.1761	-277	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2126	60	1.9
9300.9	10000	38.4390	94.1761	-272	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2127	55	1.9
9300.8	10000	38.4395	94.1761	-268	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2145	64	1.9
9300.7	10000	38.4401	94.1760	-265	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2179	56	1.9
9300.6	10000	38.4407	94.1760	-264	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2174	52	1.9
9300.5	10000	38.4412	94.1760	-263	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2175	44	1.9
9300.4	10000	38.4418	94.1760	-264	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2180	48	1.9
9300.3	10000	38.4424	94.1759	-264	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2171	52	1.9
9300.2	10000	38.4429	94.1759	-267	PC	4.6	2	9.3	0	1.3	1	0.495	2	3.674	1	7.412	-1	2165	45	1.9

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9300.1	10000	38.4435	94.1759	-270	PC	3.6	1	9.5	0	1.3	1	0.378	0	2.809	0	7.427	-1	2142	48	1.8
9300.0	10000	38.4441	94.1759	-274	PC	3.6	1	9.3	0	1.2	1	0.383	0	2.842	0	7.423	-1	2109	30	1.8
9299.9	10000	38.4446	94.1758	-280	PC	3.4	0	9.0	0	1.2	1	0.380	0	2.805	0	7.388	-1	2096	53	1.8
9299.8	10000	38.4452	94.1758	-287	PC	3.5	0	9.1	0	1.3	1	0.380	0	2.773	0	7.297	-1	2097	44	1.8
9299.7	10000	38.4458	94.1758	-295	PC	3.3	0	9.3	0	1.3	1	0.354	0	2.587	-1	7.316	-1	2108	53	1.8
9299.6	10000	38.4463	94.1758	-304	PC	3.3	0	9.9	1	1.3	1	0.333	0	2.592	-1	7.776	-1	2123	54	1.8
9299.5	10000	38.4469	94.1757	-313	PC	3.3	0	9.9	1	1.3	1	0.335	0	2.568	-1	7.664	-1	2134	42	1.8
9299.4	10000	38.4475	94.1757	-321	PC	3.3	0	9.6	1	1.3	1	0.348	0	2.565	-1	7.367	-1	2147	38	1.8
9299.3	10000	38.4481	94.1757	-330	PC	2.9	0	9.4	1	1.3	1	0.308	0	2.181	-1	7.077	-1	2143	37	1.8
9299.2	10000	38.4486	94.1757	-339	PC	3.0	0	9.5	1	1.4	1	0.310	0	2.178	-1	7.021	-1	2140	50	1.8
9299.1	10000	38.4492	94.1756	-349	PC	3.0	0	9.1	1	1.3	1	0.330	0	2.298	-1	6.968	-1	2109	45	1.8
9299.0	10000	38.4498	94.1756	-359	PC	3.2	0	8.7	0	1.3	1	0.364	0	2.416	-1	6.640	-1	2066	45	1.8
9298.9	10000	38.4503	94.1756	-368	PC	3.1	-1	8.0	-1	1.2	1	0.385	0	2.493	-1	6.474	-2	2009	44	1.8
9298.8	10000	38.4509	94.1756	-378	PC	3.2	-1	7.5	-1	1.2	0	0.420	1	2.681	0	6.375	-2	1960	46	1.8
9298.7	10000	38.4515	94.1756	-388	PC	3.4	-1	7.4	-1	1.2	0	0.463	1	2.943	0	6.357	-2	1954	45	1.8
9298.6	10000	38.4520	94.1755	-397	PC	3.8	1	7.7	-1	1.1	0	0.490	2	3.345	0	6.825	-1	1957	48	1.8
9298.5	10000	38.4526	94.1755	-405	PC	3.9	1	7.7	-1	1.1	0	0.506	2	3.634	1	7.186	-1	1966	46	1.8
9298.4	10000	38.4532	94.1755	-415	PC	3.9	1	8.2	-1	1.1	0	0.479	2	3.549	1	7.413	-1	1997	32	1.8
9298.3	10000	38.4538	94.1754	-423	PC	4.0	1	8.3	-1	1.1	0	0.478	2	3.503	1	7.323	-1	2038	49	1.8
9298.2	10000	38.4543	94.1754	-431	PC	4.3	1	8.8	0	1.2	0	0.493	2	3.724	1	7.550	-1	2124	52	1.7
9298.1	10000	38.4549	94.1754	-439	PC	4.5	2	9.0	0	1.2	0	0.494	2	3.741	1	7.572	-1	2223	44	1.7
9298.0	10000	38.4555	94.1754	-446	PC	4.4	1	9.5	0	1.2	0	0.459	1	3.610	1	7.873	-1	2290	43	1.8
9297.9	10000	38.4560	94.1754	-451	PC	4.6	2	9.2	0	1.2	0	0.506	2	3.787	1	7.490	-1	2342	44	1.8
9297.8	10000	38.4566	94.1753	-457	PC	4.7	2	9.0	0	1.3	0	0.527	2	3.664	1	6.954	-1	2376	46	1.8
9297.7	10000	38.4572	94.1753	-463	PC	4.7	2	8.9	0	1.3	0	0.532	2	3.598	1	6.763	-1	2393	61	1.8
9297.6	10000	38.4577	94.1753	-471	PC	4.6	2	8.8	0	1.3	0	0.519	2	3.566	1	6.865	-1	2403	57	1.8
9297.5	10000	38.4583	94.1753	-475	PC	4.6	2	8.8	0	1.3	0	0.518	2	3.508	1	6.771	-1	2390	60	1.8
9297.4	10000	38.4589	94.1752	-478	PC	4.4	2	8.8	0	1.3	0	0.504	2	3.481	1	6.904	-1	2343	47	1.8
9297.3	10000	38.4594	94.1752	-480	PC	4.0	2	8.8	0	1.3	0	0.474	2	3.339	1	6.394	-2	2290	34	1.8
9297.2	10000	38.4600	94.1752	-483	PC	4.0	2	8.8	0	1.3	0	0.460	2	3.038	1	6.412	-2	2232	46	1.8
9297.1	10000	38.4606	94.1752	-484	PC	4.0	2	8.8	0	1.3	0	0.463	2	3.275	1	7.115	-1	2195	47	1.8
9297.0	10000	38.4612	94.1751	-485	PC	4.0	2	8.8	0	1.3	0	0.494	2	3.446	1	7.443	-1	2133	46	1.8
9296.9	10000	38.4617	94.1751	-486	PC	4.0	2	8.8	0	1.3	0	0.465	2	3.693	1	7.470	-1	2084	48	1.8
9296.8	10000	38.4623	94.1751	-486	PC	4.0	2	8.8	0	1.3	0	0.447	2	3.629	1	7.812	-1	2039	50	1.8
9296.7	10000	38.4629	94.1751	-486	PC	4.0	2	8.8	0	1.3	0	0.433	2	3.594	1	8.049	-1	2027	55	1.8
9296.6	10000	38.4634	94.1750	-485	PC	4.0	2	8.8	0	1.3	0	0.434	2	3.624	1	8.361	-1	2027	41	1.8
9296.5	10000	38.4640	94.1750	-484	PC	4.0	2	8.8	0	1.3	0	0.440	2	3.624	1	8.340	-1	2049	60	1.8
9296.4	10000	38.4646	94.1750	-483	PC	4.0	2	8.8	0	1.3	0	0.453	2	3.680	1	7.913	-1	2069	45	1.8
9296.3	10000	38.4651	94.1750	-481	PC	4.0	2	8.8	0	1.3	0	0.465	2	3.752	1	7.770	-1	2101	55	1.8
9296.2	10000	38.4657	94.1749	-480	PC	4.0	2	8.8	0	1.3	0	0.491	2	3.880	1	7.657	-1	2122	54	1.8
9296.1	10000	38.4663	94.1749	-477	PC	4.0	2	8.8	0	1.3	0	0.499	2	3.945	1	7.900	-1	2118	43	1.8
9296.0	10000	38.4668	94.1749	-475	PC	4.0	2	8.8	0	1.3	0	0.466	2	3.685	1	7.230	-1	2102	39	1.8
9295.9	10000	38.4674	94.1749	-472	PC	4.0	2	8.8	0	1.3	0	0.453	2	3.574	1	7.472	-1	2074	40	1.8
9295.8	10000	38.4680	94.1749	-470	PC	4.0	2	8.8	0	1.3	0	0.432	2	3.355	1	7.892	-1	2028	47	1.8
9295.7	10000	38.4686	94.1749	-467	PC	4.0	2	8.8	0	1.3	0	0.411	2	3.188	1	7.759	-1	1972	33	1.8
9295.6	10000	38.4692	94.1749	-465	PC	4.0	2	8.8	0	1.3	0	0.382	2	3.094	1	7.465	-1	1947	39	1.8
9295.5	10000	38.4698	94.1750	-463	PC	4.0	2	8.8	0	1.3	0	0.361	2	3.153	1	7.547	-1	1922	40	1.8
9295.4	10000	38.4704	94.1750	-460	PC	4.0	2	8.8	0	1.3	0	0.355	2	3.188	1	7.149	-1	1936	47	1.8
9295.3	10000	38.4710	94.1750	-458	PC	4.0	2	8.8	0	1.3	0	0.345	2	3.145	1	7.181	-1	1934	33	1.8
9295.2	10000	38.4716	94.1750	-456	PC	4.0	2	8.8	0	1.3	0	0.359	2	3.322	1	7.216	-1	1968	39	1.8
9295.1	10000	38.4722	94.1750	-455	PC	4.0	2	8.8	0	1.3	0	0.359	2	3.322	1	7.216	-1	2017	33	1.8
9295.0	10000	38.4728	94.1751	-453	PC	4.0	2	8.8	0	1.3	0	0.359	2	3.322	1	7.216	-1	2062	43	1.8

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9294.9	10000	38.4734	94.1751	-451	PC	3.1	0	9.1	0	1.2	0	0.342	0	2.687	0	7.863	-1	2095	53	1.9
9294.8	10000	38.4740	94.1751	-451	PC	3.2	0	9.1	0	1.2	0	0.352	0	2.727	0	7.749	-1	2129	54	1.9
9294.7	10000	38.4746	94.1751	-452	PC	3.2	0	9.2	0	1.2	1	0.352	0	2.614	-1	7.424	-1	2152	42	1.9
9294.6	10000	38.4752	94.1752	-451	PC	3.2	0	9.1	0	1.3	1	0.356	0	2.550	-1	7.163	-1	2174	55	1.9
9294.5	10000	38.4758	94.1752	-451	PC	3.3	0	9.0	0	1.2	1	0.368	0	2.681	0	7.274	-1	2164	60	1.9
9294.4	10000	38.4764	94.1752	-451	PM	3.3	0	8.6	-1	1.2	1	0.386	1	2.689	-1	6.974	-1	2143	44	1.9
9294.3	10000	38.4770	94.1752	-452	PM	3.4	0	8.6	-1	1.2	1	0.392	1	2.757	-1	7.026	-1	2140	60	1.9
9294.2	10000	38.4776	94.1752	-452	PM	3.5	0	8.7	-1	1.3	1	0.396	1	2.743	-1	6.928	-1	2140	51	1.9
9294.1	10000	38.4782	94.1753	-453	PM	3.4	0	8.6	-1	1.2	1	0.390	1	2.744	-1	7.040	-1	2148	33	2.0
9294.0	10000	38.4788	94.1753	-454	PM	3.4	0	8.4	-1	1.2	1	0.406	1	2.763	-1	6.799	-1	2137	49	2.0
9293.9	10000	38.4793	94.1753	-455	PM	3.5	0	8.2	-1	1.2	1	0.421	1	2.890	0	6.858	-1	2124	41	2.0
9293.8	10000	38.4799	94.1753	-455	PM	3.8	1	7.9	-1	1.2	1	0.476	2	3.105	0	6.523	-2	2108	48	2.0
9293.7	10000	38.4805	94.1754	-455	PM	3.7	1	7.8	-2	1.2	1	0.475	2	3.184	0	6.709	-2	2093	42	2.0
9293.6	10000	38.4811	94.1754	-456	PM	3.3	0	7.8	-2	1.1	0	0.431	1	2.914	0	6.761	-2	2056	45	2.0
9293.5	10000	38.4817	94.1754	-456	PM	3.5	0	7.5	-2	1.1	0	0.460	2	3.155	0	6.851	-1	2030	46	2.0
9293.4	10000	38.4823	94.1754	-456	PM	3.5	0	7.5	-2	1.1	0	0.471	2	3.305	0	7.015	-1	1982	47	2.0
9293.3	10000	38.4829	94.1754	-456	PM	3.3	0	7.9	-1	1.0	0	0.421	1	3.280	0	7.783	-1	1938	54	2.0
9293.2	10000	38.4835	94.1755	-456	PM	3.1	0	7.8	-2	1.0	0	0.398	1	2.977	0	7.482	-1	1883	46	2.0
9293.1	10000	38.4841	94.1755	-456	PM	2.9	-1	7.7	-2	1.0	-1	0.377	0	2.945	0	7.809	-1	1855	46	2.0
9293.0	10000	38.4847	94.1755	-455	PM	3.2	0	8.1	-1	1.0	-1	0.392	1	3.244	0	8.281	0	1848	46	2.0
9292.9	10000	38.4853	94.1755	-455	PM	3.5	0	7.9	-1	1.0	-1	0.444	1	3.587	1	8.071	-1	1886	42	2.0
9292.8	10000	38.4859	94.1756	-453	PM	3.6	1	7.8	-2	1.0	-1	0.463	2	3.663	1	7.907	-1	1902	52	2.0
9292.7	10000	38.4865	94.1756	-452	PM	3.4	0	7.5	-2	1.0	-1	0.453	2	3.519	1	7.762	-1	1915	54	2.0
9292.6	10000	38.4871	94.1756	-450	PM	3.6	1	7.3	-2	1.0	-1	0.498	2	3.714	1	7.460	-1	1943	47	2.0
9292.5	10000	38.4877	94.1756	-448	PM	3.8	1	7.6	-2	1.0	-1	0.503	2	3.937	1	7.829	-1	2015	48	2.0
9292.4	10000	38.4883	94.1756	-445	PM	4.1	2	7.7	-2	1.0	-1	0.529	3	4.094	2	7.744	-1	2063	54	2.1
9292.3	10000	38.4889	94.1757	-443	PM	3.7	1	7.1	-2	1.0	-1	0.457	2	3.542	1	7.757	-1	2094	44	2.1
9292.2	10000	38.4895	94.1757	-440	PM	4.0	1	7.3	-2	1.0	-1	0.483	2	3.982	1	8.250	-1	2082	36	2.1
9292.1	10000	38.4901	94.1757	-436	PM	3.8	1	7.5	-2	1.0	-1	0.505	2	3.805	1	8.505	-1	2076	50	2.1
9292.0	10000	38.4907	94.1757	-432	PM	3.9	1	7.6	-2	1.0	-1	0.513	2	3.910	1	8.731	-1	2068	39	2.1
9291.9	10000	38.4913	94.1757	-428	PM	3.5	1	7.3	-2	1.0	-1	0.480	2	3.723	1	8.942	-1	2035	49	2.1
9291.8	10000	38.4919	94.1758	-423	PM	3.4	0	7.1	-2	1.0	-1	0.479	2	3.752	1	9.077	-1	1993	53	2.1
9291.7	10000	38.4925	94.1758	-419	PM	3.1	0	7.0	-2	1.0	-1	0.443	2	3.406	1	9.344	-1	1944	49	2.1
9291.6	10000	38.4931	94.1758	-413	PM	3.0	0	6.8	-2	1.0	-1	0.441	2	3.367	1	9.481	-1	1916	55	2.1
9291.5	10000	38.4937	94.1758	-408	PM	3.5	0	7.7	-2	1.0	-1	0.455	2	3.623	1	9.217	-1	1884	42	2.1
9291.4	10000	38.4943	94.1759	-402	PM	3.5	0	7.9	-2	1.0	-1	0.441	2	3.721	1	9.260	-1	1887	39	2.1
9291.3	10000	38.4949	94.1759	-397	PM	3.5	0	8.0	-2	1.0	-1	0.436	2	3.467	1	8.947	-1	1894	50	2.1
9291.2	10000	38.4955	94.1759	-391	PM	3.5	0	8.0	-2	1.0	-1	0.439	2	3.364	1	8.714	-1	1920	55	2.1
9291.1	10000	38.4961	94.1759	-386	PM	3.5	0	8.0	-2	1.0	-1	0.436	2	3.465	1	8.758	-1	1933	45	2.1
9291.0	10000	38.4967	94.1759	-380	PM	3.5	0	8.0	-2	1.0	-1	0.439	2	3.570	1	8.760	-1	1954	57	2.1
9290.9	10000	38.4972	94.1760	-375	PM	3.5	0	8.0	-2	1.0	-1	0.436	2	3.061	1	8.635	-1	1961	50	2.1
9290.8	10000	38.4979	94.1760	-370	PM	3.5	0	8.0	-2	1.0	-1	0.439	2	3.282	1	8.653	-1	1948	57	2.1
9290.7	10000	38.4984	94.1760	-365	PM	3.5	0	8.0	-2	1.0	-1	0.436	2	3.128	1	8.363	-1	1919	54	2.1
9290.6	10000	38.4990	94.1760	-360	PM	3.5	0	8.0	-2	1.0	-1	0.439	2	3.367	1	8.831	-1	1879	46	2.1
9290.5	10000	38.4996	94.1760	-355	PM	3.5	0	8.0	-2	1.0	-1	0.436	2	3.427	1	8.311	-1	1845	36	2.1
9290.4	10000	38.5002	94.1761	-351	PM	3.5	0	8.0	-2	1.0	-1	0.439	2	3.425	1	8.985	-1	1847	44	2.1
9290.3	10000	38.5008	94.1761	-347	PM	3.5	0	8.0	-2	1.0	-1	0.436	2	3.429	1	8.214	-1	1867	35	2.1
9290.2	10000	38.5014	94.1761	-343	PM	3.5	0	8.0	-2	1.0	-1	0.439	2	3.298	1	8.445	-1	1876	45	2.1
9290.1	10000	38.5020	94.1761	-339	PM	3.5	0	8.0	-2	1.0	-1	0.436	2	3.227	1	8.575	-1	1928	47	2.1
9290.0	10000	38.5026	94.1761	-335	PM	3.5	0	8.0	-2	1.0	-1	0.439	2	3.322	1	8.269	-1	1956	61	2.1
9289.9	10000	38.5032	94.1762	-331	PM	3.5	0	8.0	-2	1.0	-1	0.436	2	3.188	1	8.034	-1	2002	51	2.1
9289.8	10000	38.5038	94.1762	-328	PM	3.5	0	8.0	-2	1.0	-1	0.439	2	3.336	1	7.500	-1	2046	38	2.1

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9289.7	10000	38.5044	94.1762	-324	PM	2.8	-1	9.1	0	1.2	1	0.310	-1	2.381	-1	7.669	-1	2061	48	2.1
9289.6	10000	38.5050	94.1762	-321	PM	2.8	-1	9.6	0	1.3	1	0.290	-1	2.212	-1	7.635	-1	2085	51	2.1
9289.5	10000	38.5056	94.1763	-319	PM	3.2	0	9.5	0	1.3	1	0.332	0	2.453	-1	7.377	-1	2120	37	2.1
9289.4	10000	38.5062	94.1763	-316	PM	3.5	0	9.1	0	1.2	1	0.378	0	2.829	0	7.478	-1	2133	51	2.1
9289.3	10000	38.5068	94.1763	-314	PM	3.6	1	9.4	0	1.1	0	0.383	0	3.136	0	8.195	0	2145	46	2.1
9289.2	10000	38.5074	94.1763	-312	PM	3.6	1	9.4	0	1.2	1	0.386	0	3.095	0	8.020	-1	2150	61	2.1
9289.1	10000	38.5080	94.1763	-310	PM	3.6	1	9.5	0	1.2	1	0.382	0	3.110	0	8.134	-1	2140	47	2.0
9289.0	10000	38.5086	94.1764	-309	PM	3.6	1	9.3	0	1.1	0	0.389	0	3.166	0	8.149	-1	2133	52	2.0
9288.9	10000	38.5092	94.1764	-309	PM	3.7	1	9.1	0	1.1	0	0.407	0	3.287	0	8.078	-1	2109	43	2.0
9288.8	10000	38.5098	94.1764	-309	PM	3.5	1	9.1	0	1.1	0	0.381	0	3.081	0	8.092	-1	2079	43	2.0
9288.7	10000	38.5104	94.1764	-311	PM	3.5	0	9.2	0	1.1	0	0.376	0	3.110	0	8.280	0	2074	44	2.0
9288.6	10000	38.5110	94.1765	-312	PM	3.3	0	9.3	0	1.1	0	0.353	0	2.915	0	8.252	0	2077	51	2.0
9288.5	10000	38.5116	94.1765	-315	PM	3.5	0	8.9	0	1.1	0	0.393	0	3.200	0	8.149	-1	2074	45	2.0
9288.4	10000	38.5122	94.1765	-318	PM	3.6	0	9.1	0	1.1	0	0.391	0	3.278	0	8.383	0	2083	48	2.0
9288.3	10000	38.5128	94.1765	-321	PM	3.5	0	9.2	0	1.1	0	0.385	0	3.159	0	8.214	0	2094	44	2.0
9288.2	10000	38.5134	94.1765	-325	PM	3.4	-1	8.8	0	1.1	0	0.382	0	3.021	0	7.917	-1	2101	46	2.0
9288.1	10000	38.5140	94.1766	-331	PM	3.4	-1	8.8	0	1.2	1	0.384	0	2.902	0	7.567	-1	2114	43	2.0
9288.0	10000	38.5146	94.1766	-336	PM	3.2	0	8.9	0	1.2	1	0.357	-1	2.591	-1	7.262	-1	2105	41	2.0
9287.9	10000	38.5151	94.1766	-341	PM	3.1	-1	8.5	-1	1.3	1	0.367	0	2.488	-1	6.776	-2	2093	43	2.0
9287.8	10000	38.5157	94.1766	-346	PM	2.8	-1	8.9	-1	1.3	1	0.313	-1	2.127	-2	6.790	-1	2099	52	2.0
9287.7	10000	38.5163	94.1767	-352	PM	2.8	-1	8.8	-1	1.3	1	0.322	0	2.188	-1	6.787	-1	2098	43	2.0
9287.6	10000	38.5169	94.1767	-358	PM	3.1	0	8.7	-1	1.3	1	0.354	0	2.349	-1	6.639	-2	2101	40	2.0
9287.5	10000	38.5175	94.1767	-363	PM	3.1	0	9.0	0	1.3	1	0.348	0	2.443	-1	7.020	-1	2103	56	2.0
9287.4	10000	38.5181	94.1767	-368	PM	3.1	0	9.0	0	1.3	1	0.341	0	2.442	-1	7.159	-1	2091	43	2.0
9287.3	10000	38.5187	94.1767	-373	PM	3.0	-1	8.9	-1	1.2	1	0.335	0	2.384	-1	7.119	-1	2098	38	2.0
9287.2	10000	38.5193	94.1768	-378	PM	3.1	0	9.4	0	1.3	1	0.326	0	2.375	-1	7.280	-1	2118	37	2.0
9287.1	10000	38.5199	94.1768	-382	PM	3.3	1	9.5	0	1.3	1	0.352	0	2.554	-1	7.265	-1	2122	53	1.9
9287.0	10000	38.5205	94.1768	-387	PM	3.1	0	9.5	0	1.3	1	0.320	0	2.310	-1	7.214	-1	2132	50	1.9
9286.9	10000	38.5211	94.1768	-392	PM	3.3	1	8.8	-1	1.3	1	0.304	0	2.334	-1	7.674	-1	2135	44	1.9
9286.8	10000	38.5217	94.1768	-397	PM	3.3	1	8.7	-1	1.3	1	0.319	0	2.357	-1	7.378	-1	2148	51	1.9
9286.7	10000	38.5223	94.1769	-402	PM	3.3	1	9.6	0	1.3	1	0.323	0	2.346	-1	7.258	-1	2160	49	1.9
9286.6	10000	38.5229	94.1769	-407	PM	3.3	1	8.8	-1	1.3	1	0.330	0	2.524	-1	7.648	-1	2160	52	1.9
9286.5	10000	38.5235	94.1769	-411	PM	3.3	1	8.8	-1	1.3	1	0.323	0	2.484	-1	7.698	-1	2144	70	1.9
9286.4	10000	38.5241	94.1769	-416	PM	3.3	1	8.8	-1	1.3	1	0.298	0	2.365	-1	7.939	-1	2143	40	1.9
9286.3	10000	38.5247	94.1770	-420	PM	3.3	1	8.8	-1	1.3	1	0.293	0	2.233	-1	7.623	-1	2143	46	1.9
9286.2	10000	38.5253	94.1770	-424	PM	3.3	1	8.8	-1	1.3	1	0.317	0	2.397	-1	7.571	-1	2136	45	1.9
9286.1	10000	38.5259	94.1770	-429	PM	3.3	1	8.8	-1	1.3	1	0.311	0	2.537	-1	7.152	-1	2129	49	1.9
9286.0	10000	38.5265	94.1770	-433	PM	3.3	1	8.8	-1	1.3	1	0.318	0	2.683	-1	8.432	0	2122	50	1.9
9285.9	10000	38.5271	94.1770	-437	PM	3.3	1	8.8	-1	1.3	1	0.329	0	2.932	-1	8.903	0	2125	37	1.9
9285.8	10000	38.5277	94.1771	-441	PM	3.3	1	8.8	-1	1.3	1	0.327	0	3.001	-1	9.178	0	2129	46	1.9
9285.7	10000	38.5283	94.1771	-445	PM	3.3	1	8.8	-1	1.3	1	0.333	0	2.915	-1	9.863	0	2129	66	1.9
9285.6	10000	38.5289	94.1771	-449	PM	3.3	1	8.8	-1	1.3	1	0.374	0	2.696	-1	10.469	0	2126	55	1.9
9285.5	10000	38.5295	94.1771	-453	PM	3.3	1	8.8	-1	1.3	1	0.363	0	2.558	-1	10.188	0	2138	43	1.9
9285.4	10000	38.5301	94.1772	-456	PM	3.3	1	8.8	-1	1.3	1	0.365	0	2.480	-1	9.752	1	2168	51	1.9
9285.3	10000	38.5307	94.1772	-459	PM	3.3	1	8.8	-1	1.3	1	0.362	0	2.480	-1	9.620	1	2189	42	1.9
9285.2	10000	38.5313	94.1772	-462	PM	3.3	1	8.8	-1	1.3	1	0.339	0	2.397	-1	9.763	0	2201	48	1.9
9285.1	10000	38.5319	94.1772	-465	PM	3.3	1	8.8	-1	1.3	1	0.343	0	2.503	-1	9.995	0	2207	55	1.9
9285.0	10000	38.5325	94.1772	-468	PM	3.3	1	8.8	-1	1.3	1	0.314	0	2.301	-1	9.787	0	2207	47	1.9
9284.9	10000	38.5331	94.1773	-469	PM	3.3	1	8.8	-1	1.3	1	0.317	0	2.317	-1	9.125	0	2195	43	1.9
9284.8	10000	38.5337	94.1773	-472	PM	3.3	1	8.8	-1	1.3	1	0.300	0	2.301	-1	9.513	0	2173	44	1.9
9284.7	10000	38.5342	94.1773	-473	PM	3.3	1	8.8	-1	1.3	1	0.284	0	2.301	-1	9.753	0	2125	53	1.9
9284.6	10000	38.5348	94.1773	-475	PM	3.2	1	8.8	-1	1.3	1	0.268	0	2.301	-1	10.146	0	2112	43	1.9

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9284.5	10000	38.5354	94.1774	-476	PM	3.2	0	10.9	1	1.0	0	0.298	-1	3.091	0	10.389	1	2076	48	1.8
9284.4	10000	38.5360	94.1774	-477	PM	3.2	0	10.4	1	1.0	0	0.309	-1	3.125	0	10.110	1	2060	54	1.8
9284.3	10000	38.5366	94.1774	-478	PM	3.1	0	10.3	1	1.0	0	0.304	-1	3.044	0	10.017	1	2039	34	1.8
9284.2	10000	38.5372	94.1774	-479	PM	3.1	0	9.7	0	1.0	0	0.321	-1	3.045	0	9.486	0	2036	53	1.8
9284.1	10000	38.5378	94.1774	-480	PM	3.3	0	9.6	0	1.0	0	0.338	0	3.138	0	9.289	0	2033	52	1.8
9284.0	10000	38.5384	94.1775	-480	PM	3.5	0	9.4	0	1.0	0	0.375	0	3.432	1	9.140	0	2035	53	1.8
9283.9	10000	38.5390	94.1775	-480	PM	3.4	0	9.3	0	1.0	0	0.369	0	3.379	1	9.154	0	2006	38	1.7
9283.8	10000	38.5396	94.1775	-481	PM	3.5	0	9.5	0	1.0	0	0.372	0	3.511	1	9.444	0	2010	42	1.7
9283.7	10000	38.5402	94.1775	-481	PM	3.4	0	9.3	0	1.0	0	0.366	0	3.353	1	9.163	0	2004	35	1.7
9283.6	10000	38.5408	94.1776	-481	PM	3.6	1	9.3	0	1.0	0	0.383	0	3.457	1	9.021	0	2004	57	1.7
9283.5	10000	38.5414	94.1776	-482	PM	3.7	1	9.4	0	1.0	0	0.391	0	3.543	1	9.058	0	1981	46	1.7
9283.4	10000	38.5420	94.1776	-482	PM	3.4	0	8.9	-1	1.0	-1	0.379	0	3.386	1	8.940	0	1932	56	1.7
9283.3	10000	38.5426	94.1776	-483	PM	3.2	0	8.5	-1	1.0	-1	0.375	0	3.307	1	8.822	0	1880	45	1.7
9283.2	10000	38.5432	94.1776	-483	PM	3.4	0	7.7	-2	0.9	-1	0.438	1	3.585	1	8.194	0	1844	44	1.7
9283.1	10000	38.5438	94.1777	-483	PM	3.2	0	7.4	-2	0.9	-1	0.436	1	3.478	1	7.970	-1	1789	56	1.7
9283.0	10000	38.5444	94.1777	-483	PM	3.3	0	7.3	-2	0.9	-1	0.451	2	3.694	1	8.191	0	1752	41	1.7
9282.9	10000	38.5450	94.1777	-484	PM	3.3	0	7.1	-2	0.8	-2	0.464	2	3.932	1	8.471	0	1698	51	1.7
9282.8	10000	38.5456	94.1777	-485	PM	3.1	0	7.0	-2	0.8	-2	0.441	2	3.773	1	8.550	0	1677	36	1.7
9282.7	10000	38.5462	94.1777	-485	PM	3.3	0	7.1	-2	0.8	-2	0.466	2	3.976	1	8.535	0	1702	42	1.7
9282.6	10000	38.5468	94.1778	-486	PM	3.2	0	7.1	-2	0.9	-1	0.455	2	3.768	1	8.280	0	1727	46	1.7
9282.5	10000	38.5474	94.1778	-487	PM	3.1	0	7.7	-2	0.9	-1	0.408	1	3.657	1	8.969	0	1760	57	1.7
9282.4	10000	38.5480	94.1778	-488	PM	3.3	0	7.8	-2	0.9	-1	0.425	1	3.635	1	8.547	0	1800	38	1.7
9282.3	10000	38.5486	94.1778	-488	PM	3.3	0	8.0	-1	0.9	-1	0.409	1	3.470	1	8.487	0	1829	47	1.7
9282.2	10000	38.5492	94.1779	-488	PM	3.2	0	8.4	-1	1.0	-1	0.385	1	3.212	0	8.348	0	1889	50	1.7
9282.1	10000	38.5498	94.1779	-490	PM	3.6	0	8.7	-1	1.0	-1	0.417	1	3.634	1	8.705	0	1929	50	1.7
9282.0	10000	38.5503	94.1779	-491	PM	3.3	0	8.7	-1	1.0	-1	0.382	0	3.411	0	8.926	0	1932	48	1.7
9281.9	10000	38.5510	94.1779	-493	PM	3.4	0	9.2	0	1.0	-1	0.370	0	3.568	1	9.644	1	1920	48	1.7
9281.8	10000	38.5516	94.1779	-494	PM	3.2	0	9.0	0	1.0	-1	0.359	0	3.386	1	9.438	0	1897	42	1.7
9281.7	10000	38.5521	94.1780	-495	PM	3.3	0	9.4	0	0.9	-1	0.353	0	3.701	1	10.474	1	1906	43	1.7
9281.6	10000	38.5527	94.1780	-496	PM	3.5	1	9.5	0	1.0	0	0.367	0	3.818	1	10.415	1	1923	34	1.7
9281.5	10000	38.5533	94.1780	-497	PM	3.4	1	9.4	0	1.0	0	0.362	0	3.782	1	10.446	1	1914	47	1.7
9281.4	10000	38.5539	94.1780	-497	PM	3.5	1	9.3	0	1.0	0	0.375	0	3.367	1	10.186	1	1935	43	1.7
9281.3	10000	38.5545	94.1780	-497	PM	3.4	1	9.5	0	1.0	0	0.358	0	3.304	1	10.166	1	1966	55	1.7
9281.2	10000	38.5551	94.1781	-500	PM	3.6	1	9.3	0	1.0	0	0.387	0	3.418	1	9.848	1	2015	45	1.7
9281.1	10000	38.5557	94.1780	-502	PM	3.7	1	9.3	0	1.0	0	0.399	0	3.730	1	9.005	1	2079	44	1.7
9281.0	10000	38.5563	94.1780	-503	PM	3.6	1	9.3	0	1.0	0	0.387	0	3.578	1	9.511	1	2112	42	1.7
9280.9	10000	38.5569	94.1780	-504	PM	3.5	1	9.2	0	1.0	0	0.380	0	3.623	1	9.234	1	2132	57	1.7
9280.8	10000	38.5574	94.1779	-505	PM	3.5	1	9.0	0	1.0	0	0.388	0	3.778	1	9.180	1	2165	51	1.7
9280.7	10000	38.5580	94.1779	-506	PM	3.5	1	9.4	0	0.9	-1	0.376	0	3.988	1	9.822	1	2163	53	1.7
9280.6	10000	38.5586	94.1779	-507	PM	3.4	1	9.3	0	0.9	-1	0.369	0	3.599	1	9.321	1	2171	53	1.7
9280.5	10000	38.5592	94.1779	-507	PM	3.4	1	9.3	0	0.9	-1	0.349	0	3.474	1	9.292	1	2177	39	1.7
9280.4	10000	38.5598	94.1778	-508	PM	3.3	1	9.3	0	0.9	-1	0.338	0	3.423	1	9.212	1	2167	52	1.7
9280.3	10000	38.5603	94.1778	-508	PM	3.3	1	9.2	0	0.9	-1	0.335	0	3.411	1	9.931	1	2155	55	1.8
9280.2	10000	38.5609	94.1778	-508	PM	3.3	1	9.2	0	0.9	-1	0.314	0	3.654	1	9.760	1	2123	41	1.8
9280.1	10000	38.5615	94.1777	-508	PM	3.3	1	9.2	0	0.9	-1	0.303	0	3.489	1	9.827	1	2089	50	1.8
9280.0	10000	38.5621	94.1777	-508	PM	3.3	1	9.2	0	0.9	-1	0.282	0	3.413	1	9.320	1	2070	32	1.8
9279.9	10000	38.5626	94.1777	-509	PM	3.3	1	9.2	0	0.9	-1	0.290	0	3.958	1	9.508	1	2050	43	1.8
9279.8	10000	38.5632	94.1777	-509	PM	3.3	1	9.2	0	0.9	-1	0.348	0	3.487	1	9.435	1	2025	58	1.8
9279.7	10000	38.5638	94.1776	-509	PM	3.3	1	9.2	0	0.9	-1	0.357	0	3.557	1	9.371	1	2024	51	1.8
9279.6	10000	38.5644	94.1776	-509	PM	3.3	1	9.2	0	0.9	-1	0.367	0	3.567	1	9.413	1	2033	51	1.8
9279.5	10000	38.5649	94.1776	-508	PM	3.3	1	9.2	0	0.9	-1	0.420	0	4.200	1	9.861	1	2066	37	1.8
9279.4	10000	38.5655	94.1776	-508	PM	3.4	1	9.2	0	1.0	0	0.430	0	4.307	1	9.791	1	2104	51	1.8

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9279.3	10000	38.5661	94.1775	-507	PM	4.4	2	9.3	0	1.0	0	0.474	2	4.218	2	8.891	0	2118	41	1.8
9279.2	10000	38.5667	94.1775	-506	PM	4.3	2	9.4	0	1.1	0	0.456	2	3.796	1	8.322	0	2140	63	1.8
9279.1	10000	38.5673	94.1775	-506	PM	4.2	2	9.4	0	1.2	0	0.443	2	3.597	1	8.121	-1	2163	44	1.8
9279.0	10000	38.5678	94.1774	-505	PM	3.9	1	9.5	0	1.2	1	0.405	1	3.255	1	8.036	-1	2158	60	1.8
9278.9	10000	38.5684	94.1774	-503	PM	3.4	0	9.7	0	1.2	1	0.352	1	2.844	0	8.080	-1	2146	43	1.8
9278.8	10000	38.5690	94.1774	-502	PM	3.5	2	9.8	0	1.2	1	0.358	1	2.963	0	8.267	0	2128	55	1.8
9278.7	10000	38.5696	94.1774	-502	PM	3.3	1	9.6	0	1.2	1	0.344	1	2.768	-1	8.036	-1	2108	43	1.8
9278.6	10000	38.5701	94.1773	-500	PM	3.4	0	9.2	0	1.2	1	0.368	1	2.769	-1	7.520	-1	2104	38	1.8
9278.5	10000	38.5707	94.1773	-498	PM	3.5	1	9.4	0	1.1	0	0.368	1	3.016	0	8.203	0	2085	54	1.8
9278.4	10000	38.5713	94.1773	-496	PM	3.6	1	9.5	0	1.1	0	0.376	1	3.173	0	8.433	0	2085	54	1.8
9278.3	10000	38.5719	94.1772	-495	PM	3.8	1	9.3	0	1.1	0	0.404	1	3.520	1	8.708	0	2094	52	1.8
9278.2	10000	38.5724	94.1772	-493	PM	3.8	1	9.4	0	1.1	0	0.403	1	3.528	1	8.755	0	2119	45	1.8
9278.1	10000	38.5730	94.1772	-491	PM	3.9	1	9.3	0	1.1	0	0.419	1	3.631	1	8.660	0	2131	34	1.8
9278.0	10000	38.5736	94.1772	-489	PM	3.7	1	9.4	0	1.1	0	0.389	1	3.434	1	8.825	0	2124	37	1.9
9277.9	10000	38.5742	94.1771	-488	PM	3.5	1	9.8	0	1.1	0	0.362	1	3.352	0	9.252	0	2118	42	1.9
9277.8	10000	38.5748	94.1771	-488	PM	3.5	1	9.6	0	1.1	0	0.366	1	3.245	0	8.867	0	2116	52	1.9
9277.7	10000	38.5753	94.1771	-488	PM	3.3	1	9.6	0	1.1	0	0.350	1	3.184	0	9.094	0	2096	37	1.9
9277.6	10000	38.5759	94.1770	-488	PM	3.1	1	9.7	0	1.1	0	0.338	1	2.923	0	8.652	0	2086	47	1.9
9277.5	10000	38.5765	94.1770	-488	PM	3.0	1	9.7	0	1.1	0	0.321	-1	2.830	0	8.808	0	2063	54	1.9
9277.4	10000	38.5771	94.1770	-489	PM	2.9	-1	9.6	0	1.1	0	0.304	-1	2.627	-1	8.633	0	2057	46	1.9
9277.3	10000	38.5777	94.1770	-490	PM	3.2	1	9.5	0	1.1	0	0.333	1	2.856	0	8.572	0	2067	51	1.9
9277.2	10000	38.5782	94.1769	-492	PM	3.2	1	9.5	0	1.1	0	0.341	1	2.999	0	8.801	0	2077	54	1.9
9277.1	10000	38.5788	94.1769	-494	PM	3.1	1	9.7	0	1.1	0	0.328	1	2.963	0	9.023	0	2089	55	1.9
9277.0	10000	38.5794	94.1769	-496	PM	3.1	1	9.4	0	1.1	0	0.329	1	2.790	0	8.469	0	2083	41	1.9
9276.9	10000	38.5800	94.1768	-498	PM	3.1	1	9.5	0	1.1	0	0.331	1	2.942	0	8.891	0	2076	43	1.9
9276.8	10000	38.5805	94.1768	-500	PM	3.4	1	9.6	0	1.1	0	0.360	1	3.193	0	8.879	0	2086	52	1.9
9276.7	10000	38.5811	94.1768	-503	PM	3.5	1	9.8	0	1.1	0	0.359	1	3.237	0	9.025	0	2084	48	2.0
9276.6	10000	38.5817	94.1768	-505	PM	3.4	0	10.0	0	1.2	1	0.340	1	2.888	0	8.496	0	2100	49	2.0
9276.5	10000	38.5823	94.1767	-507	PM	3.2	2	10.2	0	1.2	1	0.311	-1	2.635	-1	8.464	0	2110	41	2.0
9276.4	10000	38.5828	94.1767	-508	PM	3.3	2	10.3	0	1.2	1	0.314	-1	2.611	-1	8.310	0	2119	50	2.0
9276.3	10000	38.5834	94.1767	-511	PM	3.3	2	10.6	0	1.2	1	0.313	-1	2.701	-1	8.642	0	2143	56	2.0
9276.2	10000	38.5840	94.1767	-512	PM	3.3	2	10.5	0	1.2	1	0.312	-1	2.718	-1	8.720	0	2145	57	2.0
9276.1	10000	38.5846	94.1766	-514	PM	3.2	2	10.4	0	1.2	1	0.304	-1	2.693	-1	8.851	0	2133	64	2.0
9276.0	10000	38.5851	94.1766	-515	PM	3.2	2	10.7	0	1.2	1	0.311	-1	2.878	-1	9.266	0	2103	48	2.0
9275.9	10000	38.5857	94.1766	-516	PM	3.3	2	10.4	0	1.2	1	0.299	-1	3.104	-1	9.390	0	2085	49	2.0
9275.8	10000	38.5863	94.1765	-517	PM	3.4	2	10.2	0	1.2	1	0.310	-1	3.123	-1	9.064	0	2075	51	2.0
9275.7	10000	38.5869	94.1765	-516	PM	3.4	2	10.3	0	1.2	1	0.324	-1	3.340	-1	9.321	0	2069	46	2.0
9275.6	10000	38.5875	94.1765	-516	PM	3.5	2	10.4	0	1.2	1	0.317	-1	3.377	-1	9.669	0	2055	40	2.0
9275.5	10000	38.5880	94.1765	-516	PM	3.5	2	10.3	0	1.2	1	0.330	-1	3.375	-1	9.213	0	2055	63	2.0
9275.4	10000	38.5886	94.1764	-515	PM	3.5	2	10.4	0	1.2	1	0.347	-1	3.516	-1	9.125	0	2058	56	2.0
9275.3	10000	38.5892	94.1764	-513	PM	3.5	2	10.4	0	1.2	1	0.325	-1	3.068	-1	9.428	0	2087	57	2.0
9275.2	10000	38.5898	94.1764	-512	PM	3.5	2	10.4	0	1.2	1	0.336	-1	3.066	-1	9.669	0	2102	53	2.0
9275.1	10000	38.5903	94.1763	-510	PM	3.7	2	10.4	0	1.2	1	0.357	-1	3.244	-1	9.467	0	2093	56	2.0
9275.0	10000	38.5909	94.1763	-509	PM	3.7	2	10.5	0	1.2	1	0.358	-1	3.101	-1	9.376	0	2093	49	2.0
9274.9	10000	38.5915	94.1763	-507	PM	3.6	2	10.5	0	1.2	1	0.344	-1	3.287	-1	9.642	0	2111	33	2.0
9274.8	10000	38.5921	94.1763	-505	PM	3.4	2	10.4	0	1.2	1	0.327	-1	3.054	-1	9.262	0	2127	45	2.0
9274.7	10000	38.5927	94.1762	-503	PM	3.4	2	10.4	0	1.2	1	0.327	-1	3.082	-1	9.388	0	2143	39	2.0
9274.6	10000	38.5932	94.1762	-500	PM	3.4	2	10.4	0	1.2	1	0.327	-1	3.140	-1	9.591	0	2144	45	2.0
9274.5	10000	38.5938	94.1762	-498	PM	3.4	2	10.4	0	1.2	1	0.327	-1	3.090	-1	9.441	0	2135	57	2.0
9274.4	10000	38.5944	94.1761	-496	PM	3.4	2	10.4	0	1.2	1	0.327	-1	3.086	-1	9.441	0	2133	58	2.0
9274.3	10000	38.5950	94.1761	-494	PM	3.4	2	10.4	0	1.2	1	0.327	-1	3.086	-1	9.441	0	2122	58	2.0
9274.2	10000	38.5955	94.1761	-492	PM	3.4	2	10.4	0	1.2	1	0.327	-1	3.086	-1	9.441	0	2122	58	2.0

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9274.1	10000	38.5961	94.1761	-489	PM	3.1	0	10.5	1	1.1	0	0.292	-1	2.789	0	9.556	1	2109	43	2.2
9274.0	10000	38.5967	94.1760	-487	PM	3.0	-1	9.9	1	1.0	0	0.301	-1	2.884	0	9.567	1	2105	52	2.2
9273.9	10000	38.5973	94.1760	-484	PM	3.2	0	9.8	1	1.1	0	0.321	-1	2.855	0	8.888	0	2116	53	2.2
9273.8	10000	38.5979	94.1760	-432	PM	3.2	0	9.7	0	1.1	0	0.325	0	3.007	0	9.265	0	2128	47	2.2
9273.7	10000	38.5984	94.1759	-480	PM	3.3	0	9.9	1	1.0	0	0.334	0	3.177	0	9.509	0	2131	52	2.2
9273.6	10000	38.5990	94.1759	-478	PM	3.6	1	9.4	0	1.1	0	0.389	1	3.529	1	9.077	0	2134	43	2.2
9273.5	10000	38.5996	94.1759	-477	PM	3.5	0	9.2	0	1.1	0	0.381	0	3.275	0	8.589	0	2141	42	2.2
9273.4	10000	38.6002	94.1759	-476	PM	3.5	0	9.7	0	1.1	0	0.360	0	3.242	0	9.004	0	2140	45	2.2
9273.3	10000	38.6007	94.1758	-475	PM	3.5	0	9.8	0	1.1	0	0.359	0	3.231	0	8.993	0	2122	48	2.2
9273.2	10000	38.6013	94.1758	-474	PM	3.5	0	9.9	0	1.1	0	0.325	0	3.065	0	9.436	0	2125	42	2.2
9273.1	10000	38.6019	94.1758	-473	PM	3.2	0	10.4	1	1.1	0	0.313	-1	3.025	0	9.676	1	2141	47	2.2
9273.0	10000	38.6025	94.1758	-473	PM	3.2	0	10.1	1	1.1	0	0.320	-1	3.078	0	9.609	1	2140	49	2.3
9272.9	10000	38.6031	94.1757	-472	PM	3.3	0	10.5	1	1.0	0	0.314	-1	3.191	0	10.180	1	2144	49	2.3
9272.8	10000	38.6036	94.1757	-472	PM	3.3	0	10.6	1	1.0	0	0.316	-1	3.286	0	10.395	1	2156	45	2.3
9272.7	10000	38.6042	94.1757	-472	PM	3.4	0	10.5	1	1.0	0	0.321	-1	3.230	0	10.071	1	2180	47	2.3
9272.6	10000	38.6048	94.1756	-472	PM	3.3	0	11.3	2	1.0	0	0.297	-1	3.261	0	10.994	2	2180	51	2.3
9272.5	10000	38.6054	94.1756	-472	PM	3.4	0	11.7	2	1.0	0	0.288	-1	3.251	0	11.291	2	2164	51	2.3
9272.4	10000	38.6059	94.1756	-472	PM	3.0	-1	11.4	2	1.1	0	0.263	-1	2.809	0	10.667	1	2148	62	2.3
9272.3	10000	38.6065	94.1756	-473	PM	2.9	-1	11.4	2	1.1	0	0.256	-2	2.655	-1	10.363	1	2155	43	2.3
9272.2	10000	38.6071	94.1755	-473	PM	2.6	-1	11.4	2	1.1	0	0.224	-2	2.232	-1	9.986	1	2160	44	2.3
9272.1	10000	38.6077	94.1755	-474	PM	2.6	-1	11.0	2	1.1	0	0.240	-2	2.305	-1	9.596	1	2166	41	2.3
9272.0	10000	38.6082	94.1755	-476	PM	2.7	-1	10.6	1	1.2	0	0.256	-2	2.314	-1	9.027	0	2159	40	2.3
9271.9	10000	38.6088	94.1754	-478	PM	2.9	-1	10.3	1	1.2	0	0.286	-1	2.412	-1	8.429	0	2190	53	2.3
9271.8	10000	38.6094	94.1754	-480	PM	2.9	-1	9.9	1	1.2	0	0.290	-1	2.313	-1	7.969	-1	2217	36	2.3
9271.7	10000	38.6100	94.1754	-483	PM	3.0	-1	9.8	1	1.2	0	0.311	-1	2.537	-1	8.168	0	2210	51	2.3
9271.6	10000	38.6105	94.1754	-487	PM	3.0	-1	9.4	1	1.2	0	0.317	-1	2.481	-1	7.824	-1	2199	51	2.3
9271.5	10000	38.6111	94.1753	-491	PM	3.3	0	9.4	1	1.2	0	0.352	0	2.719	-1	7.717	-1	2191	53	2.3
9271.4	10000	38.6117	94.1753	-495	PM	3.2	0	9.6	1	1.2	0	0.331	0	2.609	-1	7.893	-1	2175	48	2.3
9271.3	10000	38.6123	94.1753	-499	PM	3.1	0	9.5	1	1.2	0	0.326	0	2.533	-1	7.759	-1	2152	51	2.3
9271.2	10000	38.6129	94.1753	-503	PM	2.9	-1	9.4	1	1.2	0	0.310	-1	2.386	-1	7.696	-1	2140	46	2.3
9271.1	10000	38.6135	94.1752	-507	PM	2.9	-1	9.5	1	1.2	0	0.306	-1	2.401	-1	7.840	-1	2108	51	2.3
9271.0	10000	38.6141	94.1752	-513	PM	3.1	0	9.5	1	1.2	0	0.326	0	2.542	-1	7.794	-1	2104	43	2.3
9270.9	10000	38.6147	94.1752	-517	PM	3.3	0	9.6	1	1.1	0	0.342	0	2.875	0	8.412	0	2087	53	2.3
9270.8	10000	38.6152	94.1752	-521	PM	3.2	0	9.6	1	1.1	0	0.322	0	2.753	0	8.539	0	2086	44	2.3
9270.7	10000	38.6158	94.1752	-524	PM	3.2	0	9.4	1	1.1	0	0.321	0	2.790	0	8.681	0	2085	46	2.3
9270.6	10000	38.6164	94.1752	-527	PM	3.2	0	9.9	1	1.1	0	0.324	0	2.982	0	9.206	0	2104	46	2.3
9270.5	10000	38.6170	94.1752	-530	PM	3.2	0	9.7	1	1.1	0	0.324	0	2.991	0	9.225	0	2108	43	2.3
9270.4	10000	38.6176	94.1752	-532	PM	3.2	0	9.9	1	1.1	0	0.344	0	3.315	0	9.636	0	2123	54	2.3
9270.3	10000	38.6182	94.1752	-534	PM	3.2	0	10.0	1	1.1	0	0.338	0	3.225	0	9.528	0	2136	41	2.3
9270.2	10000	38.6188	94.1752	-536	PM	3.4	0	9.9	1	1.1	0	0.323	0	2.958	0	9.155	0	2159	52	2.3
9270.1	10000	38.6194	94.1751	-537	PM	3.4	0	9.9	1	1.1	0	0.338	0	2.994	0	9.848	0	2166	51	2.3
9270.0	10000	38.6200	94.1751	-538	PM	3.5	0	9.4	1	1.1	0	0.347	0	3.188	0	9.186	0	2170	48	2.3
9269.9	10000	38.6206	94.1751	-539	PM	3.5	0	10.1	1	1.1	0	0.343	0	3.170	0	9.243	0	2184	68	2.3
9269.8	10000	38.6212	94.1751	-540	PM	3.7	0	10.7	1	1.1	0	0.350	0	3.400	0	9.195	0	2175	59	2.3
9269.7	10000	38.6218	94.1751	-541	PM	3.4	0	10.2	1	1.1	0	0.351	0	3.090	0	8.811	0	2173	57	2.3
9269.6	10000	38.6224	94.1751	-541	PM	3.3	0	9.9	1	1.1	0	0.326	0	3.076	0	9.432	0	2162	48	2.3
9269.5	10000	38.6229	94.1751	-541	PM	3.4	0	9.5	1	1.1	0	0.330	0	3.057	0	9.250	0	2171	51	2.3
9269.4	10000	38.6235	94.1751	-541	PM	3.3	0	9.4	1	1.1	0	0.346	0	3.174	0	9.186	0	2160	55	2.3
9269.3	10000	38.6241	94.1750	-542	PM	3.1	0	9.5	1	1.1	0	0.344	0	3.174	0	9.186	0	2161	60	2.3
9269.2	10000	38.6247	94.1750	-542	PM	2.9	-1	9.4	1	1.1	0	0.329	0	3.960	0	8.602	-1	2145	47	2.3
9269.1	10000	38.6253	94.1750	-542	PM	3.1	0	9.5	1	1.2	0	0.312	0	2.728	-1	8.285	-1	2148	47	2.3
9269.0	10000	38.6259	94.1750	-542	PM	3.2	0	9.4	1	1.2	0	0.343	0	2.537	-1	7.973	-1	2143	46	2.3

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9268.9	10000	38.6265	94.1750	-544	PM	3.1	0	9.0	0	1.2	1	0.349	0	2.562	-1	7.340	-1	2144	51	2.3
9268.8	10000	38.6271	94.1750	-544	PM	3.1	0	8.9	0	1.2	1	0.343	0	2.529	-1	7.364	-1	2131	52	2.3
9268.7	10000	38.6277	94.1750	-546	PM	2.9	-1	9.3	0	1.2	1	0.316	-1	2.403	-1	7.613	-1	2138	44	2.3
9268.6	10000	38.6283	94.1750	-547	PM	2.9	-1	9.3	0	1.2	1	0.315	-1	2.436	-1	7.723	-1	2142	44	2.3
9268.5	10000	38.6289	94.1750	-549	PM	3.3	0	9.0	0	1.2	1	0.371	0	2.723	-1	7.346	-1	2140	51	2.3
9268.4	10000	38.6295	94.1750	-550	PM	3.6	1	9.0	0	1.2	1	0.406	1	3.032	0	7.477	-1	2139	40	2.3
9268.3	10000	38.6301	94.1750	-552	PM	3.8	1	9.3	0	1.1	0	0.409	1	3.288	0	8.042	-1	2129	53	2.3
9268.2	10000	38.6307	94.1749	-553	PM	3.9	1	9.3	0	1.1	0	0.422	1	3.549	1	8.403	0	2118	48	2.3
9268.1	10000	38.6312	94.1749	-554	PM	4.0	1	9.1	0	1.1	0	0.438	1	3.597	1	8.211	0	2113	46	2.3
9268.0	10000	38.6318	94.1749	-556	PM	4.2	2	8.8	-1	1.1	0	0.487	2	3.768	1	7.740	-1	2119	57	2.2
9267.9	10000	38.6324	94.1749	-557	PM	4.2	1	9.3	-1	1.2	0	0.479	2	3.654	1	7.630	-1	2109	51	2.2
9267.8	10000	38.6330	94.1749	-558	PM	3.8	1	9.3	0	1.1	0	0.413	1	3.370	0	8.155	-1	2115	44	2.2
9267.7	10000	38.6336	94.1749	-559	PM	3.8	1	9.3	0	1.2	1	0.408	1	3.222	0	7.903	-1	2121	48	2.2
9267.6	10000	38.6342	94.1749	-559	PM	3.7	1	8.6	-1	1.2	1	0.434	1	3.080	0	7.100	-1	2134	54	2.2
9267.5	10000	38.6348	94.1749	-561	PM	3.8	1	9.0	0	1.2	1	0.419	1	3.046	0	7.274	-1	2135	42	2.2
9267.4	10000	38.6354	94.1749	-561	PM	3.8	1	9.1	0	1.2	1	0.427	1	3.299	0	7.725	-1	2132	62	2.2
9267.3	10000	38.6360	94.1749	-562	PM	3.7	1	9.1	0	1.1	0	0.405	1	3.245	0	8.016	-1	2112	47	2.2
9267.2	10000	38.6366	94.1748	-562	PM	3.8	1	8.9	-1	1.1	0	0.426	1	3.585	1	8.422	0	2099	48	2.2
9267.1	10000	38.6372	94.1748	-562	PM	3.8	1	8.7	-1	1.1	0	0.432	1	3.520	1	8.152	-1	2086	46	2.2
9267.0	10000	38.6378	94.1748	-562	PM	3.7	1	8.7	-1	1.0	0	0.422	1	3.551	1	8.408	0	2067	46	2.2
9266.9	10000	38.6384	94.1748	-562	PM	3.5	0	8.9	-1	1.1	0	0.389	1	3.243	0	8.327	0	2059	48	2.2
9266.8	10000	38.6389	94.1748	-562	PM	3.7	1	8.9	-1	1.1	0	0.415	1	3.494	1	8.412	0	2052	44	2.2
9266.7	10000	38.6395	94.1748	-562	PM	3.5	0	8.6	-1	1.1	0	0.410	1	3.328	0	8.118	-1	2044	45	2.2
9266.6	10000	38.6401	94.1748	-562	PM	3.5	0	8.8	-1	1.1	0	0.390	1	3.255	0	8.341	0	2035	48	2.1
9266.5	10000	38.6407	94.1748	-561	PM	3.5	0	8.9	0	1.1	0	0.392	1	3.262	0	8.321	0	2050	50	2.1
9266.4	10000	38.6413	94.1747	-561	PM	3.7	1	8.8	-1	1.1	0	0.421	1	3.469	1	8.243	0	2064	45	2.1
9266.3	10000	38.6419	94.1747	-560	PM	3.9	1	9.1	0	1.1	0	0.429	1	3.589	1	8.372	0	2080	49	2.1
9266.2	10000	38.6425	94.1747	-559	PM	3.9	1	9.1	0	1.0	0	0.441	1	3.759	1	8.533	0	2076	51	2.1
9266.1	10000	38.6431	94.1747	-558	PM	3.6	1	9.1	0	1.1	0	0.398	1	3.408	0	8.572	0	2079	46	2.1
9266.0	10000	38.6437	94.1747	-557	PM	3.5	0	9.3	0	1.1	0	0.376	1	3.164	0	8.416	0	2061	53	2.1
9265.9	10000	38.6443	94.1747	-556	PM	3.4	0	9.0	0	1.1	0	0.375	1	3.049	0	8.140	-1	2056	48	2.1
9265.8	10000	38.6449	94.1747	-555	PM	3.1	0	8.8	-1	1.1	0	0.355	1	2.827	0	7.971	-1	2017	46	2.1
9265.7	10000	38.6455	94.1747	-555	PM	2.9	-1	8.9	-1	1.1	0	0.330	1	2.629	-1	7.971	-1	1987	61	2.1
9265.6	10000	38.6461	94.1747	-554	PM	2.6	-1	8.8	-1	1.1	0	0.293	1	2.298	-1	7.852	-1	1962	43	2.1
9265.5	10000	38.6466	94.1747	-553	PM	2.5	-2	9.1	-1	1.2	1	0.275	1	2.160	-1	7.847	-1	1948	57	2.1
9265.4	10000	38.6472	94.1746	-552	PM	2.4	-2	8.6	-1	1.1	0	0.277	1	2.094	-2	7.545	-1	1952	45	2.1
9265.3	10000	38.6478	94.1746	-551	PM	2.7	-1	8.7	-1	1.1	0	0.309	1	2.412	-1	7.816	-1	1988	49	2.1
9265.2	10000	38.6484	94.1746	-550	PM	2.8	-1	9.3	-1	1.2	1	0.301	1	2.416	-1	8.037	-1	2018	37	2.1
9265.1	10000	38.6490	94.1746	-549	PM	2.9	-1	9.2	-1	1.1	0	0.319	1	2.400	-1	7.526	-1	2060	43	2.1
9265.0	10000	38.6496	94.1746	-548	PM	3.3	0	9.2	-1	1.2	1	0.362	1	2.729	-1	7.539	-1	2085	47	2.1
9264.9	10000	38.6502	94.1746	-547	PM	3.5	0	8.8	-1	1.2	1	0.394	1	2.860	-1	7.266	-1	2094	38	2.1
9264.8	10000	38.6508	94.1746	-547	PM	3.5	0	9.0	-1	1.2	1	0.390	1	2.947	-1	7.554	-1	2115	54	2.2
9264.7	10000	38.6514	94.1746	-546	PM	3.8	0	9.7	-1	1.2	1	0.433	1	3.161	-1	7.297	-1	2139	49	2.2
9264.6	10000	38.6520	94.1746	-545	PM	3.7	0	9.7	-1	1.2	1	0.447	1	3.163	-1	7.076	-1	2145	36	2.2
9264.5	10000	38.6526	94.1745	-545	PM	3.7	0	9.5	-1	1.2	1	0.429	1	3.284	-1	7.654	-1	2135	43	2.2
9264.4	10000	38.6532	94.1745	-544	PM	3.6	0	9.7	0	1.2	1	0.381	1	3.321	-1	8.718	0	2129	57	2.2
9264.3	10000	38.6538	94.1745	-544	PM	3.5	0	10.0	1	1.1	0	0.359	1	3.348	0	9.334	1	2132	47	2.2
9264.2	10000	38.6544	94.1745	-542	PM	3.5	0	10.3	1	1.1	0	0.327	1	3.305	0	10.092	1	2120	56	2.2
9264.1	10000	38.6549	94.1745	-541	PM	3.5	0	10.3	1	1.1	0	0.325	1	3.289	0	10.124	1	2121	46	2.2
9264.0	10000	38.6555	94.1745	-539	PM	3.4	0	10.3	1	1.1	0	0.332	1	3.372	0	10.150	1	2108	50	2.2
9263.9	10000	38.6561	94.1745	-539	PM	3.1	0	10.2	1	1.1	0	0.305	1	3.073	0	10.086	1	2106	46	2.2
9263.8	10000	38.6567	94.1745	-542	PM	3.3	0	10.2	1	1.1	0	0.326	1	3.160	0	9.687	1	2110	50	2.2

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9263.7	10000	38.6573	94.1745	-543	PM	3.5	0	9.6	0	1.1	0	0.365	0	3.285	0	8.997	0	2112	40	2.0
9263.6	10000	38.6579	94.1745	-542	PM	3.4	0	9.7	0	1.1	0	0.350	0	2.999	0	8.576	0	2113	58	2.0
9263.5	10000	38.6585	94.1744	-541	PM	3.5	0	9.8	1	1.2	1	0.359	0	2.958	0	8.250	0	2135	51	2.0
9263.4	10000	38.6591	94.1744	-540	PM	3.7	1	9.5	1	1.2	1	0.385	1	3.074	0	7.993	-1	2138	60	2.0
9263.3	10000	38.6597	94.1744	-539	PM	3.7	1	9.8	1	1.2	1	0.375	0	3.060	0	8.162	-1	2135	42	2.0
9263.2	10000	38.6603	94.1744	-538	PM	3.8	1	9.7	1	1.2	1	0.388	1	3.046	0	7.854	-1	2141	48	2.0
9263.1	10000	38.6609	94.1744	-536	PM	3.7	1	9.6	1	1.2	1	0.379	0	2.924	0	7.721	-1	2157	59	2.0
9263.0	10000	38.6615	94.1744	-534	PM	3.5	0	9.9	1	1.3	1	0.354	0	2.709	-1	7.646	-1	2161	47	2.0
9262.9	10000	38.6620	94.1744	-533	PM	3.5	0	9.6	1	1.3	1	0.367	0	2.731	-1	7.449	-1	2150	39	2.0
9262.8	10000	38.6626	94.1744	-532	PM	3.5	0	9.1	1	1.3	1	0.384	0	2.715	-1	7.078	-1	2149	44	2.0
9262.7	10000	38.6632	94.1744	-530	PM	3.3	0	9.3	1	1.2	1	0.356	0	2.676	-1	7.524	-1	2141	50	2.0
9262.6	10000	38.6638	94.1743	-528	PM	3.2	0	9.2	1	1.2	1	0.346	0	2.566	-1	7.423	-1	2124	41	2.0
9262.5	10000	38.6644	94.1743	-526	PM	3.3	0	9.6	1	1.2	1	0.349	0	2.757	-1	7.906	-1	2097	42	2.0
9262.4	10000	38.6650	94.1743	-524	PM	3.3	0	9.1	1	1.2	1	0.364	0	2.844	0	7.812	-1	2051	52	2.0
9262.3	10000	38.6656	94.1743	-523	PM	3.3	0	8.9	1	1.1	1	0.374	0	2.960	0	7.910	-1	2036	47	2.0
9262.2	10000	38.6662	94.1743	-521	PM	3.4	0	9.0	0	1.1	0	0.381	0	3.011	0	7.897	-1	2032	46	2.0
9262.1	10000	38.6668	94.1743	-519	PM	3.3	0	9.4	0	1.1	0	0.349	0	2.932	0	8.391	0	2015	40	2.0
9262.0	10000	38.6674	94.1743	-518	PM	3.3	0	9.4	1	1.2	1	0.356	0	2.879	0	8.094	-1	2021	47	2.0
9261.9	10000	38.6680	94.1743	-517	PM	3.3	0	9.2	0	1.1	0	0.363	0	2.989	0	8.232	0	2013	36	2.0
9261.8	10000	38.6686	94.1743	-516	PM	3.2	0	8.9	0	1.1	0	0.353	0	2.937	0	8.308	0	2006	50	2.0
9261.7	10000	38.6692	94.1743	-514	PM	3.3	0	9.0	0	1.1	0	0.373	0	3.073	0	8.241	0	2016	61	2.0
9261.6	10000	38.6697	94.1742	-513	PM	3.3	0	9.4	0	1.1	0	0.353	0	3.113	0	8.827	0	2014	50	2.0
9261.5	10000	38.6703	94.1742	-513	PM	3.4	0	9.6	0	1.0	0	0.351	0	3.336	0	9.500	0	2004	46	2.0
9261.4	10000	38.6709	94.1742	-512	PM	3.5	0	9.6	1	0.9	-1	0.360	0	3.654	1	10.137	1	2006	49	2.0
9261.3	10000	38.6715	94.1742	-510	PM	3.5	0	9.2	1	0.9	-1	0.377	1	3.767	1	9.990	1	1997	45	2.0
9261.2	10000	38.6721	94.1742	-510	PM	3.4	0	9.3	1	0.9	-1	0.363	0	3.599	1	9.907	1	2006	51	2.0
9261.1	10000	38.6727	94.1742	-510	PM	3.5	0	9.7	1	1.0	-1	0.361	0	3.621	1	10.041	1	2014	46	2.0
9261.0	10000	38.6733	94.1742	-510	PM	3.6	1	10.1	1	1.0	-1	0.354	0	3.736	1	10.540	1	2021	45	2.0
9260.9	10000	38.6739	94.1742	-510	PM	3.8	0	9.7	1	1.0	-1	0.393	0	3.937	1	10.012	1	2041	49	2.0
9260.8	10000	38.6745	94.1742	-511	PM	3.4	0	9.7	1	1.0	-1	0.356	0	3.514	1	9.883	1	2052	46	2.0
9260.7	10000	38.6751	94.1741	-510	PM	3.5	0	9.2	1	1.0	-1	0.384	0	3.383	1	8.813	1	2067	50	2.0
9260.6	10000	38.6757	94.1741	-510	PM	3.3	0	9.4	1	1.1	-1	0.355	0	3.057	1	8.605	1	2076	45	2.0
9260.5	10000	38.6763	94.1741	-508	PM	3.4	0	9.7	1	1.1	-1	0.349	0	3.063	1	8.788	1	2098	46	2.0
9260.4	10000	38.6769	94.1741	-507	PM	3.2	0	10.1	1	1.1	-1	0.318	0	2.915	1	9.155	1	2112	39	2.0
9260.3	10000	38.6775	94.1741	-506	PM	2.8	0	9.6	1	1.1	-1	0.296	0	2.510	1	8.479	1	2113	41	2.0
9260.2	10000	38.6780	94.1741	-504	PM	2.6	0	9.5	1	1.1	-1	0.274	0	2.278	1	8.302	1	2099	40	2.0
9260.1	10000	38.6786	94.1741	-502	PM	2.8	0	9.4	1	1.2	-1	0.295	0	2.350	1	7.955	1	2101	56	2.0
9260.0	10000	38.6792	94.1741	-501	PM	2.8	0	9.2	1	1.1	-1	0.299	0	2.479	1	8.279	1	2082	56	2.0
9259.9	10000	38.6798	94.1741	-498	PM	2.8	0	9.1	1	1.1	-1	0.310	0	2.611	1	8.426	1	2069	35	2.0
9259.8	10000	38.6804	94.1741	-495	PM	2.8	0	8.7	1	1.1	-1	0.326	0	2.606	1	7.989	1	2049	54	2.0
9259.7	10000	38.6810	94.1740	-494	PM	2.9	0	8.8	1	1.1	-1	0.354	0	2.666	1	7.537	1	2054	38	2.0
9259.6	10000	38.6816	94.1740	-494	PM	3.2	0	8.8	1	1.1	-1	0.380	0	2.950	1	7.762	1	2069	43	2.0
9259.5	10000	38.6822	94.1740	-493	PM	3.2	0	8.8	1	1.1	-1	0.373	0	2.910	1	7.807	1	2081	50	2.0
9259.4	10000	38.6828	94.1740	-491	PM	3.3	0	8.8	1	1.1	-1	0.387	0	3.064	1	7.911	1	2080	53	2.0
9259.3	10000	38.6834	94.1740	-489	PM	3.1	0	8.9	1	1.1	-1	0.365	0	2.847	1	7.809	1	2100	53	2.0
9259.2	10000	38.6840	94.1740	-487	PM	3.1	0	9.1	1	1.1	-1	0.353	0	2.744	1	7.774	1	2114	55	2.0
9259.1	10000	38.6846	94.1740	-485	PM	3.1	0	9.0	1	1.1	-1	0.338	0	2.737	1	8.086	1	2124	54	2.0
9259.0	10000	38.6851	94.1740	-484	PM	2.9	0	9.1	1	1.1	-1	0.341	0	2.694	1	7.893	1	2098	55	2.0
9258.9	10000	38.6857	94.1740	-484	PM	2.9	0	9.0	1	1.1	-1	0.320	0	2.583	1	8.073	1	2060	52	2.0
9258.8	10000	38.6863	94.1740	-484	PM	2.9	0	8.8	1	1.1	-1	0.321	0	2.684	1	8.373	1	2034	51	2.0
9258.7	10000	38.6869	94.1739	-483	PM	2.8	0	8.8	1	1.0	-1	0.313	0	2.696	1	8.604	1	2006	43	2.0
9258.6	10000	38.6875	94.1739	-482	PM	2.9	0	8.8	1	1.0	-1	0.334	0	2.991	1	8.949	1	1991	48	2.0

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9258.5	10000	38.6881	94.1739	-481	PM	3.3	0	8.9	0	0.9	-1	0.372	0	3.652	1	9.525	1	1966	48	2.1
9258.4	10000	38.6887	94.1739	-480	PM	3.3	0	8.7	-1	0.9	-1	0.377	0	3.665	1	9.724	1	1952	61	2.1
9258.3	10000	38.6893	94.1739	-480	PM	3.3	0	8.8	-1	0.9	-1	0.375	0	3.687	1	9.844	1	1955	53	2.1
9258.2	10000	38.6899	94.1739	-480	PM	3.4	0	8.4	-1	0.9	-1	0.407	1	3.871	1	9.518	0	1970	48	2.1
9258.1	10000	38.6905	94.1739	-480	PM	3.7	1	8.2	-1	0.9	-1	0.446	1	4.128	2	9.249	0	1997	52	2.1
9258.0	10000	38.6911	94.1739	-480	PM	3.9	1	8.5	-1	1.0	-1	0.463	2	4.115	2	8.886	0	2018	53	2.1
9257.9	10000	38.6917	94.1738	-480	PM	3.5	1	8.7	-1	1.0	-1	0.406	1	3.597	1	8.863	0	2021	41	2.1
9257.8	10000	38.6923	94.1738	-480	PM	3.3	0	8.8	-1	1.0	0	0.369	0	3.218	1	8.726	0	2043	49	2.1
9257.7	10000	38.6929	94.1738	-480	PM	3.4	0	9.2	0	1.0	0	0.376	0	3.404	1	9.047	0	2060	46	2.2
9257.6	10000	38.6934	94.1738	-479	PM	3.6	1	9.3	0	1.0	-1	0.388	1	3.637	1	9.385	0	2060	45	2.2
9257.5	10000	38.6940	94.1738	-480	PM	3.3	0	9.2	0	1.0	0	0.362	0	3.284	1	9.068	0	2069	41	2.2
9257.4	10000	38.6946	94.1738	-479	PM	3.1	0	9.4	0	1.0	0	0.334	0	3.075	0	9.209	0	2048	42	2.2
9257.3	10000	38.6952	94.1738	-479	PM	2.8	-1	9.7	0	1.0	-1	0.293	-1	2.850	0	9.719	1	2035	45	2.2
9257.2	10000	38.6958	94.1738	-478	PM	3.2	0	9.4	0	1.0	-1	0.338	0	3.265	1	9.649	1	2025	49	2.2
9257.1	10000	38.6964	94.1738	-478	PM	3.1	0	9.1	0	1.0	-1	0.337	0	3.195	1	9.472	0	2006	35	2.2
9257.0	10000	38.6970	94.1738	-479	PM	3.1	0	8.9	0	1.0	-1	0.351	0	3.242	1	9.238	0	1983	40	2.2
9256.9	10000	38.6976	94.1737	-479	PM	3.0	-1	8.6	-1	1.0	-1	0.350	0	3.016	0	8.625	0	1979	51	2.2
9256.8	10000	38.6982	94.1737	-480	PM	2.9	-1	8.7	-1	1.0	0	0.341	0	2.953	0	8.514	0	1978	48	2.2
9256.7	10000	38.6987	94.1737	-482	PM	2.9	-1	8.9	-1	1.0	0	0.331	0	2.873	0	8.674	0	1995	41	2.2
9256.6	10000	38.6993	94.1737	-483	PM	3.4	0	9.0	0	1.0	0	0.374	0	3.241	0	8.668	0	2023	45	2.2
9256.5	10000	38.6999	94.1737	-484	PM	3.4	0	9.1	0	1.0	0	0.374	0	3.332	0	8.901	0	2020	50	2.2
9256.4	10000	38.7005	94.1737	-484	PM	3.4	0	9.2	0	1.0	0	0.372	0	3.343	0	8.995	0	2037	37	2.2
9256.3	10000	38.7011	94.1737	-485	PM	3.3	0	9.5	1	1.0	-1	0.365	0	3.420	0	9.381	0	2052	53	2.2
9256.2	10000	38.7017	94.1737	-486	PM	3.3	1	9.5	1	0.9	-1	0.348	0	3.506	1	10.068	1	2047	49	2.3
9256.1	10000	38.7022	94.1737	-487	PM	3.8	1	9.5	1	0.9	-1	0.373	0	3.998	1	10.715	1	2030	59	2.3
9256.0	10000	38.7028	94.1737	-489	PM	4.0	1	9.2	0	0.9	-1	0.414	1	4.371	2	10.547	1	2020	47	2.3
9255.9	10000	38.7034	94.1737	-490	PM	3.8	1	8.8	0	0.9	-1	0.435	1	4.432	2	10.180	1	2003	39	2.3
9255.8	10000	38.7040	94.1737	-491	PM	3.7	1	8.8	0	0.9	-1	0.394	1	4.033	2	10.235	1	2006	37	2.3
9255.7	10000	38.7046	94.1737	-493	PM	3.5	1	8.7	0	0.9	-1	0.395	1	3.713	2	9.395	1	2010	55	2.3
9255.6	10000	38.7051	94.1737	-495	PM	3.5	1	8.6	0	0.9	-1	0.376	1	3.508	2	9.323	1	2007	52	2.3
9255.5	10000	38.7057	94.1737	-496	PM	3.6	1	8.8	0	0.9	-1	0.359	1	3.659	2	9.117	1	2018	39	2.3
9255.4	10000	38.7063	94.1737	-498	PM	3.2	1	8.8	0	0.9	-1	0.320	1	3.297	2	9.[illegible]	1	2017	52	2.3
9255.3	10000	38.7069	94.1737	-499	PM	2.8	1	8.8	0	0.9	-1	0.316	1	2.969	2	9.292	1	2016	56	2.3
9255.2	10000	38.7075	94.1737	-500	PM	2.8	1	8.8	0	0.9	-1	0.333	1	2.976	2	9.410	1	2014	52	2.3
9255.1	10000	38.7080	94.1737	-501	PM	3.0	1	8.8	0	0.9	-1	0.412	1	3.042	2	9.123	1	2009	41	2.3
9255.0	10000	38.7086	94.1737	-502	PM	3.2	1	8.8	0	0.9	-1	0.434	1	3.780	2	9.173	1	1992	48	2.3
9254.9	10000	38.7092	94.1737	-502	PM	3.4	1	8.8	0	0.9	-1	0.450	1	3.866	2	9.915	1	1993	47	2.3
9254.8	10000	38.7098	94.1737	-503	PM	3.5	1	8.8	0	0.9	-1	0.466	1	3.955	2	9.796	1	1996	39	2.3
9254.7	10000	38.7104	94.1737	-505	PM	3.6	1	8.8	0	0.9	-1	0.484	1	4.028	2	9.653	1	1997	55	2.3
9254.6	10000	38.7109	94.1737	-508	PM	3.6	1	8.8	0	0.9	-1	0.477	1	4.074	2	9.424	1	1997	49	2.3
9254.5	10000	38.7115	94.1737	-510	PM	3.4	1	8.8	0	0.9	-1	0.485	1	3.768	2	8.895	1	1994	47	2.3
9254.4	10000	38.7121	94.1737	-511	PM	3.3	1	8.8	0	0.9	-1	0.407	1	3.639	2	7.501	1	2014	58	2.3
9254.3	10000	38.7127	94.1737	-512	PM	3.2	1	8.8	0	0.9	-1	0.432	1	3.109	2	7.640	1	2023	42	2.3
9254.2	10000	38.7133	94.1737	-513	PM	3.2	1	8.8	0	0.9	-1	0.411	1	3.286	2	7.603	1	2028	55	2.3
9254.1	10000	38.7138	94.1737	-514	PM	3.2	1	8.8	0	0.9	-1	0.434	1	3.129	2	7.617	1	2020	45	2.3
9254.0	10000	38.7144	94.1737	-514	PM	3.2	1	8.8	0	0.9	-1	0.447	1	3.259	2	7.500	1	2026	43	2.3
9253.9	10000	38.7150	94.1737	-515	PM	3.2	1	8.8	0	0.9	-1	0.451	1	3.612	2	7.077	1	2037	39	2.3
9253.8	10000	38.7156	94.1737	-517	PM	3.2	1	8.8	0	0.9	-1	0.452	1	3.796	2	7.423	1	2045	51	2.3
9253.7	10000	38.7162	94.1737	-520	PM	3.2	1	8.8	0	0.9	-1	0.452	1	3.844	2	7.511	1	2032	45	2.3
9253.6	10000	38.7167	94.1737	-523	PM	3.2	1	8.8	0	0.9	-1	0.452	1	3.776	2	7.487	1	2042	51	2.3
9253.5	10000	38.7173	94.1737	-525	PM	3.2	1	8.8	0	0.9	-1	0.452	1	3.776	2	7.487	1	2033	45	2.3
9253.4	10000	38.7179	94.1736	-526	PM	3.2	1	8.8	0	0.9	-1	0.452	1	3.776	2	7.487	1	2035	32	2.3

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9253.3	10000	38.7185	94.1736	-525	PM	3.2	0	8.9	-1	1.1	0	0.362	0	2.932	0	8.094	-1	2041	36	2.4
9253.2	10000	38.7191	94.1736	-524	PM	3.1	0	8.2	-1	1.1	0	0.376	0	2.776	-1	7.382	-1	2036	40	2.4
9253.1	10000	38.7196	94.1736	-524	PM	3.2	0	8.5	-1	1.1	0	0.375	0	2.864	0	7.638	-1	2040	41	2.4
9253.0	10000	38.7202	94.1736	-523	PM	3.1	0	8.8	-1	1.1	0	0.348	0	2.745	-1	7.884	-1	2051	55	2.4
9252.9	10000	38.7208	94.1736	-523	PM	3.0	0	8.5	-1	1.0	0	0.356	0	2.921	0	8.215	0	2020	50	2.4
9252.8	10000	38.7214	94.1736	-523	PM	3.1	0	8.7	-1	1.0	0	0.360	0	3.097	0	8.600	0	2008	67	2.4
9252.7	10000	38.7220	94.1736	-524	PM	3.0	-1	8.9	0	1.0	0	0.337	0	2.886	0	8.561	0	2009	42	2.4
9252.6	10000	38.7225	94.1736	-524	PM	3.1	-1	8.8	-1	1.0	0	0.353	0	3.025	0	8.567	0	1997	39	2.4
9252.5	10000	38.7231	94.1736	-522	PM	3.1	-1	8.8	-1	1.0	0	0.355	0	3.029	0	8.541	0	1987	39	2.4
9252.4	10000	38.7237	94.1736	-521	PM	2.9	-1	8.4	-1	1.0	0	0.342	0	2.746	-1	8.024	-1	1978	62	2.4
9252.3	10000	38.7243	94.1736	-520	PM	3.1	-1	8.3	-1	1.1	0	0.379	0	2.906	0	7.661	-1	1970	51	2.4
9252.2	10000	38.7249	94.1736	-519	PM	3.3	-2	7.7	-2	1.2	1	0.421	1	2.769	-1	6.583	-2	1996	62	2.4
9252.1	10000	38.7254	94.1736	-518	PM	3.3	-2	7.6	-2	1.2	1	0.429	1	2.723	-1	6.354	-2	2026	47	2.4
9252.0	10000	38.7260	94.1736	-517	PM	3.4	-2	7.5	-2	1.2	1	0.457	1	2.821	0	6.177	-2	2047	48	2.4
9251.9	10000	38.7266	94.1736	-516	PM	3.5	-2	7.7	-2	1.3	1	0.487	2	2.756	-1	5.662	-2	2061	43	2.4
9251.8	10000	38.7272	94.1736	-514	PM	3.3	-2	7.3	-2	1.3	1	0.436	1	2.502	-1	5.744	-2	2066	50	2.4
9251.7	10000	38.7278	94.1736	-513	PM	3.5	-2	7.7	-2	1.3	1	0.452	2	2.542	-1	5.626	-2	2062	50	2.4
9251.6	10000	38.7283	94.1736	-512	PM	3.4	-2	7.9	-2	1.3	1	0.419	1	2.477	-1	5.918	-2	2053	43	2.4
9251.5	10000	38.7289	94.1736	-510	PM	3.1	-1	8.0	-1	1.2	1	0.374	0	2.412	-1	6.448	-2	2029	57	2.4
9251.4	10000	38.7295	94.1736	-510	PM	3.3	-1	8.1	-1	1.2	1	0.355	0	2.381	-1	6.706	-2	1994	36	2.4
9251.3	10000	38.7301	94.1736	-509	PM	3.1	-1	8.2	-1	1.1	0	0.318	-1	2.328	-1	7.322	-1	1954	50	2.4
9251.2	10000	38.7307	94.1736	-508	PM	3.0	-1	8.8	-1	1.1	0	0.330	0	2.564	-1	7.765	-1	1922	43	2.4
9251.1	10000	38.7312	94.1736	-507	PM	3.1	-1	8.9	-2	1.1	0	0.370	0	2.873	0	7.757	-1	1896	57	2.3
9251.0	10000	38.7318	94.1736	-506	PM	3.1	-1	8.6	-2	1.1	0	0.369	0	3.014	0	8.179	0	1895	51	2.3
9250.9	10000	38.7324	94.1736	-506	PM	3.0	-1	8.4	-2	1.0	-1	0.416	0	3.265	0	7.856	-1	1907	54	2.3
9250.8	10000	38.7330	94.1736	-506	PM	3.0	-1	8.6	-2	0.9	-1	0.419	0	3.321	0	7.928	-1	1919	42	2.3
9250.7	10000	38.7336	94.1736	-506	PM	3.1	-1	8.6	-2	1.0	0	0.412	0	3.200	0	7.776	-1	1949	34	2.3
9250.6	10000	38.7342	94.1736	-506	PM	3.1	-1	8.6	-2	1.0	0	0.409	0	3.067	0	7.496	-1	1974	58	2.3
9250.5	10000	38.7347	94.1736	-506	PM	3.2	-1	8.8	-2	1.1	0	0.397	0	3.024	0	7.625	-1	1997	54	2.3
9250.4	10000	38.7353	94.1736	-507	PM	3.1	-1	8.5	-1	1.1	0	0.380	0	2.807	0	7.391	-1	2031	44	2.3
9250.3	10000	38.7359	94.1736	-507	PM	3.1	-1	8.8	-1	1.1	0	0.365	0	2.746	-1	7.515	-1	2041	41	2.3
9250.2	10000	38.7365	94.1736	-508	PM	3.0	-1	8.2	-1	1.1	0	0.358	0	2.668	-1	7.884	-1	2051	46	2.3
9250.1	10000	38.7370	94.1736	-508	PM	3.3	-1	8.5	-1	1.1	0	0.354	0	2.872	0	8.103	-1	2069	35	2.3
9250.0	10000	38.7376	94.1736	-508	PM	3.3	-1	8.7	-1	1.2	0	0.372	0	2.887	0	7.768	-1	2081	58	2.3
9249.9	10000	38.7382	94.1736	-509	PM	3.5	-1	8.7	-1	1.2	0	0.427	1	3.172	0	7.426	-1	2095	45	2.3
9249.8	10000	38.7388	94.1736	-510	PM	3.3	-1	8.7	-1	1.2	0	0.398	0	2.800	-1	7.030	-1	2109	48	2.3
9249.7	10000	38.7394	94.1736	-511	PM	3.4	-1	8.7	-1	1.2	0	0.378	0	2.634	-1	6.975	-1	2116	56	2.3
9249.6	10000	38.7400	94.1736	-512	PM	3.2	-1	8.7	-1	1.3	0	0.383	0	2.593	-1	6.762	-2	2124	41	2.3
9249.5	10000	38.7405	94.1736	-513	PM	3.2	-1	8.6	-1	1.3	0	0.373	0	2.372	-1	6.358	-2	2121	42	2.3
9249.4	10000	38.7411	94.1736	-514	PM	3.2	-1	8.7	-1	1.3	0	0.365	0	2.331	-1	6.387	-2	2121	39	2.3
9249.3	10000	38.7417	94.1736	-515	PM	3.1	-1	8.7	-1	1.3	0	0.356	0	2.372	-1	6.660	-2	2109	38	2.3
9249.2	10000	38.7423	94.1735	-516	PM	3.0	-1	8.7	-1	1.3	0	0.327	0	2.407	-1	7.356	-2	2082	48	2.3
9249.1	10000	38.7429	94.1735	-517	PM	3.1	-1	8.5	-1	1.3	0	0.337	0	2.801	-1	8.305	-2	2066	51	2.3
9249.0	10000	38.7434	94.1735	-517	PM	3.1	-1	8.6	-1	1.3	0	0.324	0	2.819	-1	8.700	-2	2054	62	2.3
9248.9	10000	38.7440	94.1735	-518	PM	3.1	-1	8.6	-1	1.3	0	0.291	0	2.633	-1	9.042	-2	2060	47	2.3
9248.8	10000	38.7446	94.1735	-518	PM	3.1	-1	8.6	-1	1.3	0	0.301	0	2.831	-1	9.392	-2	2068	48	2.3
9248.7	10000	38.7452	94.1735	-518	PM	3.1	-1	8.6	-1	1.3	0	0.323	0	2.979	-1	9.215	-2	2084	42	2.3
9248.6	10000	38.7458	94.1735	-517	PM	3.1	-1	8.6	-1	1.3	0	0.346	0	3.143	-1	9.097	-2	2096	38	2.3
9248.5	10000	38.7463	94.1735	-517	PM	3.1	-1	8.6	-1	1.3	0	0.350	0	3.026	-1	8.657	-2	2134	51	2.3
9248.4	10000	38.7469	94.1735	-516	PM	3.1	-1	8.6	-1	1.3	0	0.372	0	3.948	-1	7.929	-1	2170	54	2.3
9248.3	10000	38.7475	94.1735	-515	PM	3.1	-1	8.6	-1	1.3	0	0.396	0	3.227	-1	8.147	-1	2192	47	2.3
9248.2	10000	38.7481	94.1735	-513	PM	3.1	-1	8.6	-1	1.3	0	0.419	0	3.410	-1	8.135	-1	2202	53	2.3

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9248.1	10000	38.7486	94.1735	-512	PM	4.2	2	9.6	0	1.2	1	0.437	1	3.482	1	7.959	-1	2224	47	2.3
9248.0	10000	38.7492	94.1735	-511	PM	4.0	1	9.4	0	1.2	1	0.421	1	3.212	1	7.630	-1	2235	44	2.3
9247.9	10000	38.7498	94.1735	-509	PM	3.9	1	9.6	0	1.2	1	0.406	1	3.153	0	7.766	-1	2241	50	2.3
9247.8	10000	38.7504	94.1735	-507	PM	4.0	1	9.6	0	1.2	1	0.421	1	3.355	0	7.976	-1	2243	52	2.3
9247.7	10000	38.7510	94.1735	-505	PM	4.1	2	9.3	0	1.2	1	0.439	1	3.432	1	7.814	-1	2233	47	2.3
9247.6	10000	38.7516	94.1735	-503	PM	4.0	1	9.1	0	1.2	1	0.444	1	3.245	0	7.312	-1	2224	39	2.3
9247.5	10000	38.7521	94.1735	-501	PM	3.7	1	8.7	-1	1.3	1	0.426	1	2.928	0	6.881	-1	2205	47	2.3
9247.4	10000	38.7527	94.1735	-499	PM	3.5	1	8.7	-1	1.3	1	0.399	1	2.776	-1	6.966	-1	2178	64	2.3
9247.3	10000	38.7533	94.1735	-497	PM	3.2	1	8.5	-1	1.2	1	0.375	0	2.690	-1	7.166	-1	2144	45	2.3
9247.2	10000	38.7539	94.1735	-496	PM	3.5	1	7.9	-1	1.2	0	0.439	1	3.010	0	6.853	-1	2131	44	2.3
9247.1	10000	38.7545	94.1735	-493	PM	3.4	1	7.6	-2	1.2	0	0.449	2	2.952	0	6.572	-2	2118	44	2.3
9247.0	10000	38.7550	94.1735	-491	PM	3.2	1	7.6	-2	1.1	0	0.420	1	2.874	0	6.837	-1	2110	62	2.3
9246.9	10000	38.7556	94.1735	-489	PM	3.3	1	7.8	-2	1.1	0	0.430	1	2.983	0	6.937	-1	2122	48	2.3
9246.8	10000	38.7562	94.1735	-487	PM	3.7	1	8.1	-1	1.1	0	0.455	2	3.257	0	7.161	-1	2141	35	2.3
9246.7	10000	38.7568	94.1735	-486	PM	3.8	1	7.7	-2	1.2	0	0.490	2	3.287	0	6.716	-2	2141	41	2.3
9246.6	10000	38.7574	94.1735	-484	PM	4.1	2	7.7	-2	1.2	1	0.535	3	3.528	1	6.600	-2	2145	45	2.3
9246.5	10000	38.7579	94.1735	-482	PM	3.9	1	8.2	-1	1.2	1	0.472	2	3.298	0	6.991	-1	2133	48	2.3
9246.4	10000	38.7585	94.1735	-480	PM	3.7	1	8.5	-1	1.2	1	0.440	1	3.190	0	7.253	-1	2120	45	2.3
9246.3	10000	38.7591	94.1735	-478	PM	3.6	1	8.4	-1	1.2	1	0.432	1	3.001	0	6.952	-1	2114	46	2.3
9246.2	10000	38.7597	94.1735	-477	PM	3.5	1	8.9	0	1.2	1	0.400	1	2.958	0	7.395	-1	2102	46	2.3
9246.1	10000	38.7603	94.1735	-476	PM	3.1	1	8.2	-1	1.2	1	0.379	0	2.729	-1	7.209	-1	2085	42	2.3
9246.0	10000	38.7608	94.1735	-475	PM	3.2	1	9.1	0	1.2	1	0.350	0	2.609	-1	7.455	-1	2073	52	2.4
9245.9	10000	38.7614	94.1735	-474	PM	3.1	1	8.9	0	1.2	1	0.354	0	2.693	-1	7.602	-1	2073	47	2.4
9245.8	10000	38.7620	94.1735	-472	PM	3.0	1	8.6	-1	1.2	1	0.348	0	2.610	-1	7.508	-1	2075	42	2.4
9245.7	10000	38.7626	94.1734	-473	PM	3.1	1	8.8	-1	1.2	1	0.352	0	2.544	-1	7.237	-1	2074	43	2.4
9245.6	10000	38.7632	94.1734	-473	PM	3.1	1	8.7	-1	1.2	1	0.355	0	2.595	-1	7.305	-1	2080	45	2.4
9245.5	10000	38.7637	94.1734	-473	PM	3.3	1	8.8	-1	1.2	1	0.378	1	2.583	-1	6.834	-1	2075	54	2.4
9245.4	10000	38.7643	94.1734	-473	PM	3.4	1	8.3	-1	1.2	1	0.414	1	2.950	0	7.130	-1	2080	40	2.4
9245.3	10000	38.7649	94.1734	-472	PM	3.9	1	8.6	-1	1.2	1	0.459	2	3.321	0	7.235	-1	2085	57	2.4
9245.2	10000	38.7655	94.1734	-472	PM	3.6	1	8.2	-1	1.2	1	0.441	2	3.160	0	7.169	-1	2087	46	2.4
9245.1	10000	38.7661	94.1734	-471	PM	3.8	1	8.4	-2	1.2	1	0.508	2	3.528	0	6.940	-1	2090	52	2.4
9245.0	10000	38.7666	94.1734	-470	PM	3.9	1	8.6	-1	1.2	1	0.550	2	3.665	0	6.663	-2	2084	52	2.4
9244.9	10000	38.7672	94.1734	-471	PM	3.8	1	8.5	-1	1.2	1	0.539	2	3.791	0	7.030	-1	2052	46	2.4
9244.8	10000	38.7678	94.1734	-470	PM	3.8	1	7.7	-1	1.2	1	0.523	2	3.744	0	7.158	-1	2035	38	2.4
9244.7	10000	38.7684	94.1734	-470	PM	3.7	1	7.5	-1	1.2	1	0.508	2	3.489	0	6.870	-1	2022	44	2.4
9244.6	10000	38.7690	94.1734	-469	PM	3.5	1	7.9	-2	1.1	1	0.436	2	3.119	0	7.150	-1	2011	55	2.4
9244.5	10000	38.7695	94.1734	-467	PM	3.2	1	7.2	-2	1.1	1	0.436	2	3.180	0	7.301	-1	1997	48	2.4
9244.4	10000	38.7701	94.1734	-467	PM	3.5	1	7.5	-2	1.1	1	0.376	2	2.699	-1	7.186	-1	1998	52	2.4
9244.3	10000	38.7707	94.1734	-465	PM	3.4	1	7.3	-2	1.1	1	0.346	2	2.403	-1	6.954	-1	1996	54	2.4
9244.2	10000	38.7713	94.1734	-463	PM	3.4	1	7.3	-2	1.1	1	0.330	2	2.332	-1	7.070	-1	2031	39	2.4
9244.1	10000	38.7719	94.1734	-462	PM	3.4	1	7.3	-2	1.1	1	0.334	2	2.436	-1	7.297	-1	2046	49	2.4
9244.0	10000	38.7725	94.1734	-460	PM	3.4	1	7.3	-2	1.1	1	0.326	2	2.420	-1	7.427	-1	2045	56	2.4
9243.9	10000	38.7730	94.1734	-458	PM	3.4	1	7.3	-2	1.1	1	0.335	2	2.405	-1	7.171	-1	2049	48	2.4
9243.8	10000	38.7736	94.1734	-456	PM	3.4	1	7.3	-2	1.1	1	0.310	2	2.287	-1	7.375	-1	2041	51	2.4
9243.7	10000	38.7742	94.1734	-454	PM	3.4	1	7.3	-2	1.1	1	0.316	2	2.297	-1	7.400	-1	2043	42	2.4
9243.6	10000	38.7748	94.1734	-452	PM	3.4	1	7.3	-2	1.1	1	0.328	2	2.595	-1	8.200	0	2060	49	2.4
9243.5	10000	38.7754	94.1734	-452	PM	3.4	1	7.3	-2	1.1	1	0.362	2	2.585	-1	7.883	-1	2045	60	2.4
9243.4	10000	38.7759	94.1734	-451	PM	3.4	1	7.3	-2	1.1	1	0.334	2	2.757	-1	7.608	-1	2059	45	2.4
9243.3	10000	38.7765	94.1734	-449	PM	3.4	1	7.3	-2	1.1	1	0.374	2	2.592	-1	7.763	-1	2062	62	2.4
9243.2	10000	38.7771	94.1734	-447	PM	3.4	1	7.3	-2	1.1	1	0.415	2	2.751	-1	7.361	-1	2072	52	2.4
9243.1	10000	38.7777	94.1734	-445	PM	3.4	1	7.3	-2	1.1	1	0.410	2	2.038	-1	7.313	-1	2100	46	2.4
9243.0	10000	38.7783	94.1734			3.5	1	7.3	-2	1.2	1	0.417	2	3.042	0	7.424	-1	2125	41	2.4

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9242.9	10000	38.7788	94.1734	-444	PM	3.7	1	8.8	-1	1.2	1	0.415	1	3.048	0	7.343	-1	2146	47	2.4
9242.8	10000	38.7794	94.1734	-444	PP	3.9	1	9.3	1	1.2	0	0.417	1	3.310	0	7.946	0	2165	46	2.4
9242.7	10000	38.7800	94.1734	-443	PP	3.7	1	9.2	0	1.2	0	0.407	0	3.177	0	7.815	0	2155	40	2.4
9242.6	10000	38.7806	94.1734	-442	PP	3.9	1	8.8	0	1.1	0	0.439	1	3.420	1	7.787	0	2148	38	2.4
9242.5	10000	38.7812	94.1734	-443	PP	3.7	1	9.1	0	1.1	0	0.409	1	3.507	1	8.565	0	2149	46	2.4
9242.4	10000	38.7817	94.1734	-443	PP	3.8	1	8.8	0	1.1	0	0.425	1	3.563	1	8.386	0	2153	45	2.4
9242.3	10000	38.7823	94.1734	-444	PP	3.7	1	9.4	0	1.0	-1	0.393	1	3.688	1	9.377	1	2141	42	2.4
9242.2	10000	38.7829	94.1734	-445	PP	3.5	1	9.3	0	1.0	-1	0.378	1	3.486	1	9.228	1	2133	53	2.4
9242.1	10000	38.7835	94.1734	-446	PP	3.4	1	9.0	0	1.0	-1	0.380	1	3.359	1	8.835	0	2144	55	2.5
9242.0	10000	38.7840	94.1734	-447	PP	3.4	0	9.6	0	1.1	0	0.354	0	3.170	0	8.948	1	2147	52	2.5
9241.9	10000	38.7846	94.1734	-449	PP	3.3	0	9.7	0	1.1	0	0.343	0	3.038	0	8.862	0	2166	56	2.5
9241.8	10000	38.7852	94.1734	-450	PP	3.2	0	9.5	0	1.2	0	0.343	0	2.801	0	8.158	0	2180	35	2.5
9241.7	10000	38.7858	94.1734	-453	PP	3.2	0	9.7	0	1.2	1	0.327	-1	2.566	-1	7.856	0	2188	42	2.5
9241.6	10000	38.7864	94.1733	-455	PP	3.4	0	9.2	0	1.3	1	0.366	0	2.585	-1	7.058	-1	2186	47	2.5
9241.5	10000	38.7869	94.1733	-459	PP	3.1	0	9.2	0	1.3	1	0.343	0	2.420	-1	7.065	-1	2173	35	2.5
9241.4	10000	38.7875	94.1733	-461	PP	3.1	0	9.3	0	1.3	1	0.332	0	2.307	-1	6.957	-1	2166	48	2.5
9241.3	10000	38.7881	94.1733	-464	PP	3.4	0	9.0	0	1.3	1	0.374	0	2.625	-1	7.010	-1	2177	47	2.5
9241.2	10000	38.7887	94.1733	-466	PP	3.4	0	9.0	0	1.3	1	0.379	0	2.685	-1	7.086	-1	2186	47	2.5
9241.1	10000	38.7893	94.1733	-469	PP	3.5	0	9.4	0	1.2	0	0.371	0	2.938	0	7.910	0	2178	43	2.5
9241.0	10000	38.7898	94.1733	-472	PP	3.7	1	9.2	0	1.2	0	0.397	0	3.168	0	7.971	0	2166	55	2.5
9240.9	10000	38.7904	94.1733	-475	PP	3.5	1	8.9	0	1.1	0	0.391	0	3.234	0	8.266	0	2157	46	2.5
9240.8	10000	38.7910	94.1733	-477	PP	3.8	1	8.5	0	1.0	-1	0.449	1	3.723	1	8.300	0	2161	60	2.5
9240.7	10000	38.7916	94.1733	-480	PP	3.8	1	8.6	0	1.0	-1	0.447	1	4.032	1	9.027	1	2148	39	2.5
9240.6	10000	38.7921	94.1733	-482	PP	3.7	1	8.8	0	0.9	-1	0.422	1	3.984	1	9.445	1	2135	62	2.5
9240.5	10000	38.7927	94.1733	-484	PP	3.8	1	9.2	0	0.9	-1	0.415	2	4.179	2	10.062	1	2144	51	2.5
9240.4	10000	38.7933	94.1733	-486	PP	3.7	1	9.0	0	1.0	-1	0.410	1	3.874	1	9.444	1	2142	45	2.5
9240.3	10000	38.7939	94.1733	-487	PP	3.7	1	9.3	0	0.9	-1	0.384	1	3.792	1	9.885	1	2137	40	2.5
9240.2	10000	38.7944	94.1733	-489	PP	3.6	1	9.2	0	0.9	-1	0.374	1	3.848	1	10.287	1	2141	47	2.5
9240.1	10000	38.7950	94.1733	-490	PP	3.5	1	9.2	0	0.9	-1	0.362	1	3.748	1	10.339	1	2125	44	2.5
9240.0	10000	38.7956	94.1733	-491	PP	3.6	1	9.3	0	0.9	-1	0.379	1	3.792	1	9.736	1	2117	48	2.5
9239.9	10000	38.7961	94.1733	-492	PP	3.5	1	9.3	0	0.9	-1	0.363	1	3.848	1	9.897	1	2112	40	2.5
9239.8	10000	38.7967	94.1733	-493	PP	3.5	1	9.2	0	0.9	-1	0.361	1	3.848	1	9.603	1	2093	46	2.5
9239.7	10000	38.7973	94.1733	-493	PP	3.5	1	9.4	0	0.9	-1	0.366	1	3.848	1	10.029	1	2101	43	2.5
9239.6	10000	38.7979	94.1732	-494	PP	3.5	1	9.3	0	0.9	-1	0.368	1	3.848	1	10.208	1	2104	38	2.5
9239.5	10000	38.7984	94.1732	-495	PP	3.4	1	9.4	0	0.9	-1	0.336	1	3.848	1	9.840	1	2111	48	2.5
9239.4	10000	38.7990	94.1732	-496	PP	3.4	1	9.6	0	0.9	-1	0.348	1	3.848	1	9.284	1	2142	50	2.5
9239.3	10000	38.7996	94.1732	-496	PP	3.4	1	9.7	0	0.9	-1	0.318	1	3.848	1	9.015	1	2173	44	2.6
9239.2	10000	38.8001	94.1732	-497	PP	3.2	1	9.5	0	0.9	-1	0.290	1	3.848	1	9.566	1	2189	46	2.6
9239.1	10000	38.8007	94.1732	-499	PP	3.2	1	9.7	0	0.9	-1	0.290	1	3.848	1	9.477	1	2203	40	2.6
9239.0	10000	38.8013	94.1732	-499	PP	3.4	1	9.2	0	0.9	-1	0.298	1	3.848	1	9.334	1	2187	37	2.6
9238.9	10000	38.8018	94.1732	-499	PP	3.1	1	9.3	0	0.9	-1	0.277	1	3.848	1	9.781	1	2181	54	2.6
9238.8	10000	38.8024	94.1732	-499	PP	3.1	1	9.0	0	0.9	-1	0.311	1	3.848	1	7.768	1	2178	45	2.6
9238.7	10000	38.8030	94.1732	-500	PP	3.5	1	9.4	0	0.9	-1	0.294	1	3.848	1	7.156	1	2164	46	2.6
9238.6	10000	38.8036	94.1732	-503	PP	3.5	1	9.2	0	0.9	-1	0.323	1	3.848	1	7.242	1	2154	51	2.6
9238.5	10000	38.8041	94.1732	-505	PP	3.7	1	9.2	0	0.9	-1	0.361	1	3.848	1	7.579	1	2144	45	2.6
9238.4	10000	38.8047	94.1732	-506	PP	3.5	1	9.2	0	0.9	-1	0.391	1	3.848	1	7.669	1	2134	56	2.6
9238.3	10000	38.8053	94.1732	-508	PP	3.5	1	9.2	0	0.9	-1	0.412	1	3.848	1	7.595	1	2140	55	2.6
9238.2	10000	38.8059	94.1732	-508	PP	3.5	1	9.2	0	0.9	-1	0.437	1	3.848	1	7.125	1	2146	50	2.6
9238.1	10000	38.8064	94.1732	-509	PP	3.5	1	9.2	0	0.9	-1	0.406	1	3.848	1	7.491	1	2156	59	2.6
9238.0	10000	38.8070	94.1732	-511	PP	3.5	1	9.2	0	0.9	-1	0.389	1	3.848	1	7.014	1	2150	49	2.6
9237.9	10000	38.8076	94.1732	-512	PP	3.5	1	9.2	0	0.9	-1	0.380	1	3.848	1	7.337	1	2170	50	2.7
9237.8	10000	38.8081	94.1732	-514	PP	3.6	1	9.2	0	0.9	-1	0.380	1	3.848	1	7.410	1	2170	50	2.7

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9237.7	10000	38.8087	94.1731	-515	PP	3.2	0	9.6	0	1.0	-1	0.335	0	3.124	0	9.331	1	2175	41	2.7
9237.6	10000	38.8093	94.1731	-516	PP	2.9	-1	9.6	0	1.0	-1	0.304	-1	2.836	0	9.318	1	2165	36	2.7
9237.5	10000	38.8099	94.1731	-518	PP	2.7	-1	9.7	0	1.1	0	0.275	-1	2.528	-1	9.188	1	2170	38	2.7
9237.4	10000	38.8104	94.1731	-519	PP	2.8	-1	9.6	0	1.1	0	0.286	-1	2.615	-1	9.141	1	2149	49	2.7
9237.3	10000	38.8110	94.1731	-520	PP	2.7	-1	10.0	1	1.0	-1	0.268	-1	2.636	-1	9.830	1	2126	46	2.7
9237.2	10000	38.8116	94.1731	-522	PP	2.6	-1	9.7	0	1.0	-1	0.274	-1	2.654	-1	9.691	1	2105	46	2.7
9237.1	10000	38.8121	94.1731	-523	PP	2.9	-1	9.1	0	1.0	-1	0.313	-1	2.868	0	9.167	1	2079	43	2.7
9237.0	10000	38.8127	94.1731	-524	PP	3.2	0	8.8	0	1.0	-1	0.363	0	3.241	0	8.919	0	2076	53	2.7
9236.9	10000	38.8133	94.1731	-525	PP	3.5	0	8.8	0	1.0	-1	0.396	0	3.498	1	8.833	0	2097	43	2.7
9236.8	10000	38.8138	94.1731	-525	PP	3.6	1	9.1	0	1.0	0	0.395	0	3.459	1	8.756	0	2107	48	2.7
9236.7	10000	38.8144	94.1731	-526	PP	3.8	1	8.8	0	1.1	0	0.429	1	3.492	1	8.137	0	2141	50	2.7
9236.6	10000	38.8150	94.1731	-528	PP	3.8	1	8.9	0	1.2	0	0.427	1	3.174	0	7.428	-1	2177	45	2.7
9236.5	10000	38.8156	94.1731	-529	PP	3.7	1	8.8	0	1.2	1	0.421	1	3.060	0	7.275	-1	2197	40	2.7
9236.4	10000	38.8161	94.1731	-531	PP	3.5	0	9.1	0	1.3	1	0.383	0	2.789	0	7.289	-1	2221	60	2.7
9236.3	10000	38.8167	94.1731	-533	PP	3.4	0	9.3	0	1.3	1	0.362	0	2.601	-1	7.179	-1	2227	40	2.7
9236.2	10000	38.8173	94.1731	-535	PP	3.2	0	9.0	0	1.3	1	0.352	0	2.408	-1	6.845	-1	2237	47	2.7
9236.1	10000	38.8179	94.1730	-537	PP	3.2	0	8.8	0	1.3	1	0.369	0	2.457	-1	6.666	-1	2235	47	2.7
9236.0	10000	38.8184	94.1730	-539	PP	3.0	-1	9.1	0	1.3	1	0.334	0	2.260	-1	6.772	-1	2226	50	2.7
9235.9	10000	38.8190	94.1730	-542	PP	2.9	-1	9.1	0	1.3	1	0.316	-1	2.161	-1	6.830	-1	2216	44	2.7
9235.8	10000	38.8196	94.1730	-545	PP	2.8	-1	9.5	0	1.4	1	0.299	-1	2.071	-1	6.921	-1	2225	53	2.8
9235.7	10000	38.8201	94.1730	-548	PP	2.8	-1	9.4	0	1.4	1	0.301	-1	2.078	-1	6.911	-1	2226	45	2.8
9235.6	10000	38.8207	94.1730	-551	PP	2.8	-1	9.6	0	1.4	2	0.287	-1	1.958	-2	6.817	-1	2232	52	2.8
9235.5	10000	38.8213	94.1730	-553	PP	2.8	-1	10.3	1	1.4	2	0.268	-1	1.938	-2	7.223	-1	2232	51	2.8
9235.4	10000	38.8219	94.1730	-555	PP	2.6	-1	10.4	1	1.4	2	0.254	-1	1.887	-2	7.421	-1	2234	62	2.8
9235.3	10000	38.8224	94.1730	-557	PP	2.6	-1	10.1	1	1.4	1	0.262	-1	1.945	-2	7.422	-1	2230	47	2.8
9235.2	10000	38.8230	94.1730	-558	PP	2.6	-1	10.2	1	1.4	2	0.291	-1	2.250	-2	7.736	-1	2235	50	2.8
9235.1	10000	38.8236	94.1730	-559	PP	2.6	-1	10.3	1	1.4	2	0.300	-1	2.349	-2	7.827	-1	2226	53	2.8
9235.0	10000	38.8241	94.1730	-560	PP	2.6	-1	10.1	1	1.4	2	0.284	-1	2.263	-2	7.982	-1	2216	61	2.8
9234.9	10000	38.8247	94.1730	-559	PP	2.6	-1	9.9	0	1.4	2	0.299	-1	2.528	-2	8.456	-1	2207	48	2.8
9234.8	10000	38.8253	94.1730	-559	PP	2.6	-1	9.9	0	1.4	2	0.310	-1	2.545	-2	8.214	-1	2207	50	2.8
9234.7	10000	38.8259	94.1730	-560	PKC	2.6	-1	9.9	0	1.4	2	0.320	-1	2.563	-2	8.013	-1	2215	52	2.8
9234.6	10000	38.8264	94.1730	-560	PKC	2.6	-1	9.9	0	1.4	2	0.329	-1	2.593	-2	7.893	-1	2228	53	2.8
9234.5	10000	38.8270	94.1730	-559	PKC	2.6	-1	9.9	0	1.4	2	0.302	-1	2.396	-2	7.926	-1	2223	39	2.8
9234.4	10000	38.8276	94.1730	-558	PKC	2.6	-1	9.9	0	1.4	2	0.325	-1	2.481	-2	7.635	-1	2236	45	2.8
9234.3	10000	38.8281	94.1730	-557	PKC	2.6	-1	9.9	0	1.4	2	0.308	-1	2.218	-2	7.213	-1	2240	60	2.8
9234.2	10000	38.8287	94.1729	-556	PKC	2.6	-1	9.9	0	1.4	2	0.308	-1	2.167	-2	7.041	-1	2260	44	2.8
9234.1	10000	38.8293	94.1729	-555	PKC	2.6	-1	9.9	0	1.4	2	0.312	-1	2.127	-2	6.810	-1	2257	43	2.8
9234.0	10000	38.8298	94.1729	-553	PKC	2.6	-1	9.9	0	1.4	2	0.303	-1	2.222	-2	7.339	-1	2260	53	2.8
9233.9	10000	38.8304	94.1729	-551	PKC	2.6	-1	9.9	0	1.4	2	0.294	-1	2.134	-2	7.262	-1	2270	62	2.8
9233.8	10000	38.8310	94.1729	-549	PKC	2.6	-1	9.9	0	1.4	2	0.307	-1	2.227	-2	7.263	-1	2282	36	2.8
9233.7	10000	38.8316	94.1729	-545	PKC	2.6	-1	9.9	0	1.4	2	0.282	-1	2.153	-2	7.631	-1	2280	46	2.8
9233.6	10000	38.8321	94.1729	-543	PKC	2.6	-1	9.9	0	1.4	2	0.310	-1	2.488	-2	8.016	0	2268	60	2.8
9233.5	10000	38.8327	94.1729	-541	PKC	2.6	-1	9.9	0	1.4	2	0.296	-1	2.340	-2	7.900	-1	2248	48	2.8
9233.4	10000	38.8333	94.1729	-539	PKC	2.6	-1	9.9	0	1.4	2	0.276	-1	2.212	-2	8.023	-1	2228	52	2.8
9233.3	10000	38.8339	94.1729	-535	PKC	2.6	-1	9.9	0	1.4	2	0.265	-1	1.913	-2	7.217	-1	2206	44	2.8
9233.2	10000	38.8344	94.1729	-532	PKC	2.5	-1	9.9	0	1.4	2	0.258	-1	1.804	-2	7.001	-1	2194	42	2.8
9233.1	10000	38.8350	94.1729	-528	PKC	2.5	-1	9.9	0	1.4	2	0.258	-1	1.669	-2	6.736	-1	2185	50	2.8
9233.0	10000	38.8356	94.1729	-524	PKC	2.5	-1	9.9	0	1.4	2	0.252	-1	1.684	-2	6.598	-1	2188	42	2.8
9232.9	10000	38.8361	94.1729	-519	PKC	2.5	-1	9.9	0	1.4	2	0.252	-1	1.564	-2	6.204	-1	2209	42	2.8
9232.8	10000	38.8367	94.1729	-514	PKC	2.5	-1	9.9	0	1.4	2	0.257	-1	1.566	-2	6.257	-1	2215	50	2.8
9232.7	10000	38.8373	94.1729	-510	PKC	2.5	-1	9.9	0	1.4	2	0.252	-1	1.610	-2	6.252	-1	2228	40	2.8
9232.6	10000	38.8379	94.1729	-505	PKC	2.5	-1	9.9	0	1.5	2	0.273	-1	1.713	-2	6.286	-2	2239	41	2.7
																			50	

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9232.5	10000	38.8384	94.1729	-500	PKC	2.7	-1	9.6	0	1.4	2	0.286	-1	1.941	-1	6.790	-1	2229	45	2.7
9232.4	10000	38.8390	94.1729	-496	PKC	3.0	-1	9.7	0	1.4	1	0.310	-1	2.230	-1	7.188	-1	2218	39	2.7
9232.3	10000	38.8396	94.1728	-492	PKC	3.0	0	9.5	0	1.3	1	0.319	-1	2.255	-1	7.072	-1	2180	37	2.7
9232.2	10000	38.8401	94.1728	-490	PKC	3.0	0	9.5	0	1.3	1	0.318	-1	2.356	-1	7.397	-1	2157	57	2.7
9232.1	10000	38.8407	94.1728	-492	PKC	3.1	0	9.4	0	1.3	1	0.326	0	2.381	-1	7.298	-1	2148	47	2.7
9232.0	10000	38.8413	94.1728	-500	PKC	3.1	0	9.3	0	1.2	1	0.329	0	2.466	-1	7.503	-1	2140	39	2.6
9231.9	10000	38.8419	94.1728	-501	PKC	3.3	0	9.6	0	1.2	1	0.344	0	2.869	0	8.338	0	2127	43	2.6
9231.8	10000	38.8424	94.1728	-493	PKC	3.4	0	9.4	0	1.1	0	0.366	0	2.998	0	8.181	0	2124	49	2.6
9231.7	10000	38.8430	94.1728	-483	PKC	3.4	0	9.0	0	1.2	0	0.377	0	2.928	0	7.774	0	2121	46	2.6
9231.6	10000	38.8436	94.1728	-473	PKC	3.4	0	9.0	0	1.1	0	0.382	0	3.006	0	7.867	0	2148	40	2.6
9231.5	10000	38.8441	94.1728	-466	PKC	3.4	0	9.1	0	1.1	0	0.376	0	3.065	0	8.152	0	2160	54	2.6
9231.4	10000	38.8447	94.1728	-460	PKC	3.4	0	8.8	0	1.1	0	0.377	0	3.136	0	8.328	0	2155	44	2.6
9231.3	10000	38.8453	94.1728	-454	PKC	3.6	0	9.4	-1	1.2	0	0.415	1	3.265	0	7.875	0	2180	44	2.6
9231.2	10000	38.8459	94.1728	-449	PKC	3.5	0	9.6	-1	1.2	0	0.422	1	2.954	-1	6.992	-1	2184	45	2.6
9231.1	10000	38.8464	94.1728	-445	PKC	3.5	0	9.1	0	1.2	0	0.402	1	2.964	-1	7.377	-1	2198	49	2.6
9231.0	10000	38.8470	94.1728	-440	PKC	3.7	0	9.2	0	1.2	0	0.409	1	3.167	0	7.746	0	2212	52	2.5
9230.9	10000	38.8476	94.1728	-435	PKC	3.8	0	9.2	0	1.2	0	0.414	1	3.301	0	7.967	0	2213	43	2.5
9230.8	10000	38.8481	94.1728	-429	PKC	3.9	0	9.2	0	1.2	0	0.427	1	3.363	1	7.881	0	2208	43	2.5
9230.7	10000	38.8487	94.1727	-423	PKC	4.2	1	9.2	0	1.2	0	0.471	1	3.578	1	7.596	-1	2224	41	2.5
9230.6	10000	38.8493	94.1727	-417	PKC	4.1	1	9.2	0	1.2	0	0.443	1	3.387	1	7.650	-1	2214	44	2.5
9230.5	10000	38.8498	94.1727	-412	PKC	3.9	1	9.3	0	1.2	0	0.415	1	3.278	0	7.891	0	2215	48	2.5
9230.4	10000	38.8504	94.1727	-406	PKC	3.9	1	9.3	0	1.2	0	0.421	1	3.206	0	7.607	-1	2209	42	2.5
9230.3	10000	38.8510	94.1727	-400	PKC	3.7	1	9.3	0	1.2	0	0.393	1	3.001	0	7.627	-1	2216	52	2.5
9230.2	10000	38.8516	94.1727	-395	PKC	3.3	1	9.5	0	1.2	0	0.350	1	2.678	0	7.662	-1	2204	48	2.4
9230.1	10000	38.8521	94.1727	-390	PKC	3.5	1	9.4	0	1.3	0	0.373	1	2.800	0	7.502	-1	2216	46	2.4
9230.0	10000	38.8527	94.1727	-385	PKC	3.4	1	9.6	0	1.3	0	0.349	1	2.620	-1	7.508	-1	2206	43	2.4
9229.9	10000	38.8533	94.1727	-380	PKC	3.3	1	9.5	0	1.3	0	0.352	1	2.580	-1	7.328	-1	2195	51	2.4
9229.8	10000	38.8538	94.1727	-375	PKC	3.6	1	9.5	0	1.3	0	0.376	1	2.762	0	7.344	-1	2190	58	2.4
9229.7	10000	38.8544	94.1727	-371	PKC	3.6	1	9.3	0	1.3	0	0.386	1	2.725	0	7.051	-1	2181	57	2.4
9229.6	10000	38.8550	94.1727	-367	PKC	3.8	1	9.2	0	1.3	0	0.390	1	2.744	0	7.034	-1	2154	44	2.4
9229.5	10000	38.8556	94.1727	-363	PKC	3.7	1	9.0	0	1.3	0	0.428	1	2.944	0	6.887	-1	2148	41	2.4
9229.4	10000	38.8561	94.1727	-358	PKC	3.9	1	9.0	0	1.2	0	0.410	1	2.879	0	7.018	-1	2136	56	2.3
9229.3	10000	38.8567	94.1727	-355	PKC	3.8	1	9.0	0	1.2	0	0.430	1	3.129	0	7.274	-1	2136	49	2.3
9229.2	10000	38.8573	94.1727	-351	PKC	3.9	1	9.5	0	1.1	0	0.459	1	3.423	0	7.455	-1	2141	41	2.3
9229.1	10000	38.8578	94.1727	-348	PKC	3.9	1	9.6	0	1.1	0	0.462	1	3.457	0	7.482	-1	2148	46	2.3
9229.0	10000	38.8584	94.1727	-344	PKC	3.9	1	9.7	0	1.1	0	0.446	1	3.424	0	7.680	-1	2144	42	2.3
9228.9	10000	38.8590	94.1727	-339	PKC	3.7	1	9.7	0	1.2	0	0.432	1	3.219	0	7.445	-1	2151	45	2.3
9228.8	10000	38.8596	94.1726	-333	PKC	3.5	1	9.8	0	1.2	0	0.391	1	2.888	0	7.379	-1	2162	47	2.3
9228.7	10000	38.8601	94.1726	-328	PKC	3.4	1	9.8	0	1.2	0	0.386	1	2.774	0	7.191	-1	2158	61	2.3
9228.6	10000	38.8607	94.1726	-321	PKC	3.4	1	9.8	0	1.2	0	0.377	1	2.718	0	7.201	-1	2176	59	2.3
9228.5	10000	38.8613	94.1726	-315	PKC	3.3	1	9.8	0	1.2	0	0.361	1	2.651	0	7.335	-1	2169	44	2.3
9228.4	10000	38.8619	94.1726	-309	PKC	3.2	1	9.8	0	1.2	0	0.358	1	2.563	0	7.165	-1	2160	52	2.3
9228.3	10000	38.8624	94.1726	-301	PKC	3.1	1	9.7	0	1.2	0	0.369	1	2.484	0	7.081	-1	2149	57	2.3
9228.2	10000	38.8630	94.1726	-291	PKC	3.2	1	9.7	0	1.2	0	0.405	1	2.527	0	6.854	-1	2136	49	2.3
9228.1	10000	38.8636	94.1726	-269	PKC	3.5	1	9.8	0	1.2	0	0.427	1	2.557	0	6.308	-2	2104	42	2.3
9228.0	10000	38.8641	94.1726	-251	PKC	3.5	1	9.8	0	1.2	0	0.411	1	2.539	0	6.653	-1	2075	62	2.3
9227.9	10000	38.8647	94.1726	-272	PKC	3.5	1	9.8	0	1.2	0	0.411	1	2.881	0	6.825	-1	2035	52	2.3
9227.8	10000	38.8653	94.1726	-270	PKC	3.5	1	9.8	0	1.2	0	0.411	1	2.841	0	6.847	-1	2003	52	2.3
9227.7	10000	38.8659	94.1726	-265	PKC	3.5	1	9.8	0	1.2	0	0.411	1	2.982	0	7.130	-1	1972	43	2.3
9227.6	10000	38.8664	94.1726	-259	PKC	3.4	1	9.8	0	1.2	0	0.435	1	3.090	0	7.129	-1	1959	39	2.2
9227.5	10000	38.8670	94.1726	-253	PKC	3.4	1	9.8	0	1.2	0	0.454	1	3.226	0	7.164	-1	1960	43	2.2
9227.4	10000	38.8676	94.1726	-246	PKC	3.6	1	8.0	-1	1.0	-1	0.454	1	3.531	1	7.783	0	1960	43	2.2

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9227.3	10000	38.8682	94.1726	-243	PKC	3.3	0	7.7	-1	1.0	-1	0.436	1	3.297	0	7.563	-1	1949	45	2.2
9227.2	10000	38.8688	94.1726	-244	PKC	3.5	0	7.5	-1	1.0	-1	0.463	1	3.433	1	7.419	-1	1932	43	2.2
9227.1	10000	38.8693	94.1726	-238	PKC	3.4	0	7.6	-1	1.0	-1	0.447	1	3.348	1	7.484	-1	1933	49	2.2
9227.0	10000	38.8699	94.1726	-233	PKC	3.4	0	7.5	-1	1.0	-1	0.455	1	3.283	0	7.218	-1	1941	43	2.2
9226.9	10000	38.8705	94.1726	-229	PKC	3.4	0	7.6	-1	1.1	0	0.443	1	3.155	0	7.122	-1	1933	52	2.2
9226.8	10000	38.8711	94.1726	-225	PKC	3.3	0	7.6	-1	1.1	0	0.435	1	3.105	0	7.144	-1	1912	44	2.2
9226.7	10000	38.8717	94.1726	-223	PKC	3.2	0	7.4	-1	1.0	-1	0.424	1	3.056	0	7.209	-1	1922	46	2.2
9226.6	10000	38.8723	94.1726	-222	PKC	3.2	0	7.5	-1	1.1	0	0.430	1	2.925	0	6.795	-1	1953	53	2.2
9226.5	10000	38.8729	94.1726	-221	PKC	3.4	0	7.5	-1	1.1	0	0.445	1	2.931	0	6.584	-1	1987	61	2.2
9226.4	10000	38.8735	94.1726	-217	PKC	3.6	1	7.6	-1	1.2	0	0.475	1	3.079	0	6.488	-1	2006	32	2.2
9226.3	10000	38.8740	94.1726	-213	PKC	3.5	0	7.8	-1	1.1	0	0.452	1	3.075	0	6.810	-1	2022	45	2.2
9226.2	10000	38.8746	94.1726	-208	PKC	3.7	1	7.9	-1	1.2	0	0.464	1	3.161	0	6.820	-1	2044	41	2.2
9226.1	10000	38.8752	94.1726	-204	PKC	3.9	1	7.9	-1	1.1	0	0.492	2	3.393	1	6.896	-1	2057	38	2.2
9226.0	10000	38.8758	94.1726	-200	PKC	3.8	1	7.9	-1	1.1	0	0.488	2	3.368	1	6.899	-1	2057	55	2.2
9225.9	10000	38.8764	94.1726	-197	PKC	4.2	2	7.9	-1	1.1	0	0.536	2	3.858	1	7.202	-1	2042	44	2.2
9225.8	10000	38.8770	94.1726	-194	PKC	4.1	1	8.1	-1	1.1	0	0.508	2	3.843	1	7.558	-1	2043	44	2.2
9225.7	10000	38.8776	94.1726	-190	PKC	3.8	1	7.7	-1	1.0	-1	0.489	2	3.663	1	7.485	-1	2030	64	2.2
9225.6	10000	38.8782	94.1726	-187	PKC	3.9	1	7.7	-1	1.0	0	0.498	2	3.685	1	7.405	-1	2017	54	2.2
9225.5	10000	38.8787	94.1726	-183	PKC	3.7	1	7.9	-1	1.1	0	0.469	1	3.518	1	7.505	-1	2023	48	2.3
9225.4	10000	38.8793	94.1726	-179	PKC	4.4	0	8.4	-1	1.1	0	0.407	1	3.228	0	7.936	0	2042	50	2.3
9225.3	10000	38.8799	94.1726	-175	PKC	4.5	0	8.3	-1	1.0	-1	0.419	1	3.376	0	8.047	0	2046	45	2.3
9225.2	10000	38.8805	94.1726	-171	PKC	4.4	0	8.4	-1	1.1	0	0.403	1	3.198	0	7.925	0	2061	56	2.3
9225.1	10000	38.8811	94.1726	-168	PKC	4.4	0	8.5	-1	1.1	0	0.399	0	3.201	0	8.027	0	2060	52	2.3
9225.0	10000	38.8817	94.1726	-164	PKC	4.5	0	8.4	-1	1.1	0	0.411	1	3.213	0	7.811	0	2069	59	2.3
9224.9	10000	38.8823	94.1727	-161	PKC	4.7	1	8.1	-1	1.1	0	0.450	1	3.316	0	7.364	-1	2079	45	2.3
9224.8	10000	38.8828	94.1727	-159	PKC	4.9	1	7.9	-1	1.1	0	0.487	2	3.634	1	7.467	-1	2070	47	2.3
9224.7	10000	38.8834	94.1727	-156	PKC	4.0	0	7.4	-2	1.1	0	0.542	2	3.718	1	6.853	-1	2068	55	2.4
9224.6	10000	38.8840	94.1727	-153	PKC	4.0	0	7.3	-2	1.1	0	0.551	2	3.591	1	6.517	-1	2069	48	2.4
9224.5	10000	38.8846	94.1727	-151	PKC	3.9	0	7.2	-2	1.1	0	0.551	2	3.605	1	6.544	-1	2061	54	2.4
9224.4	10000	38.8852	94.1727	-149	PKC	4.1	0	7.3	-2	1.1	0	0.533	2	3.666	1	6.882	-1	2055	47	2.4
9224.3	10000	38.8858	94.1727	-147	PKC	4.1	1	7.7	-1	1.1	0	0.537	2	3.879	1	7.223	-1	2064	42	2.4
9224.2	10000	38.8864	94.1727	-146	PKC	4.2	1	8.0	-1	1.1	0	0.517	2	3.896	1	7.528	-1	2076	44	2.4
9224.1	10000	38.8869	94.1727	-144	PKC	4.2	1	8.2	-1	1.1	0	0.517	2	3.806	1	7.369	-1	2095	50	2.4
9224.0	10000	38.8875	94.1727	-143	PKC	4.3	2	8.2	-1	1.1	0	0.532	2	3.763	1	7.078	-1	2095	45	2.4
9223.9	10000	38.8881	94.1727	-141	PKC	4.2	2	8.3	-1	1.1	0	0.526	2	3.864	1	7.342	-1	2108	55	2.4
9223.8	10000	38.8887	94.1727	-141	PKC	4.2	1	8.1	-1	1.1	0	0.507	2	3.635	1	7.167	-1	2115	46	2.4
9223.7	10000	38.8893	94.1727	-140	PKC	4.0	1	8.0	-1	1.1	0	0.496	2	3.249	1	6.547	-1	2138	35	2.4
9223.6	10000	38.8899	94.1727	-140	PKC	3.8	1	7.8	-1	1.1	0	0.452	2	3.092	1	6.842	-1	2156	42	2.5
9223.5	10000	38.8905	94.1727	-139	PKC	3.6	1	7.8	-1	1.1	0	0.402	2	2.850	1	6.982	-1	2188	55	2.5
9223.4	10000	38.8911	94.1727	-138	PKC	3.4	1	7.8	-1	1.1	0	0.373	2	2.720	1	7.298	-1	2204	48	2.5
9223.3	10000	38.8916	94.1727	-138	PKC	3.2	1	7.8	-1	1.1	0	0.338	2	2.561	1	7.573	-1	2210	50	2.5
9223.2	10000	38.8922	94.1727	-138	PKC	3.1	1	7.8	-1	1.1	0	0.324	2	2.395	1	7.398	-1	2231	48	2.5
9223.1	10000	38.8928	94.1727	-138	PKC	3.0	1	7.8	-1	1.1	0	0.298	2	2.156	1	7.235	-1	2257	48	2.5
9223.0	10000	38.8934	94.1727	-138	PKC	2.8	1	7.8	-1	1.1	0	0.310	2	2.183	1	7.052	-1	2258	51	2.5
9222.9	10000	38.8940	94.1727	-138	PKC	2.8	1	7.8	-1	1.1	0	0.321	2	2.175	1	6.474	-1	2257	42	2.5
9222.8	10000	38.8946	94.1727	-138	PKC	2.8	0	7.7	-1	1.1	0	0.360	2	2.149	1	6.045	-2	2242	55	2.6
9222.7	10000	38.8952	94.1727	-137	PKC	2.9	0	7.7	-1	1.1	0	0.382	2	2.181	1	6.632	-2	2229	46	2.6
9222.6	10000	38.8958	94.1727	-136	PKC	3.1	1	7.7	-1	1.1	0	0.386	2	2.323	1	6.652	-2	2235	44	2.6
9222.5	10000	38.8963	94.1727	-135	PP	3.3	1	7.7	-1	1.2	0	0.419	2	2.531	1	6.545	-2	2212	44	2.6
9222.4	10000	38.8969	94.1727	-135	PP	3.5	1	7.7	-1	1.2	0	0.432	2	2.807	1	6.858	-2	2188	43	2.6
9222.2	10000	38.8981	94.1727	-135	PP	3.5	1	7.7	-1	1.2	0	0.458	2	2.820	1	6.164	-2	2186	52	2.7

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9222.1	10000	38.8987	94.1727	-135	PP	3.3	0	7.8	-1	1.3	1	0.430	1	2.668	-1	6.204	-2	2162	40	2.7
9222.0	10000	38.8993	94.1727	-135	PP	3.4	0	7.7	-1	1.2	1	0.443	1	2.748	0	6.204	-2	2155	36	2.7
9221.9	10000	38.8999	94.1727	-135	PP	3.7	1	7.7	-1	1.2	1	0.475	1	2.987	0	6.284	-2	2144	48	2.7
9221.8	10000	38.9004	94.1727	-135	PP	3.8	1	8.0	-1	1.3	1	0.474	1	3.027	0	6.388	-1	2155	43	2.7
9221.7	10000	38.9010	94.1727	-135	PP	4.2	2	8.1	-1	1.3	1	0.510	1	3.271	0	6.415	-1	2171	41	2.7
9221.6	10000	38.9016	94.1727	-134	PP	4.0	1	8.7	0	1.3	1	0.456	1	3.145	0	6.891	-1	2188	44	2.8
9221.5	10000	38.9022	94.1727	-134	PP	3.8	1	8.3	-1	1.2	1	0.461	1	3.072	0	6.668	-1	2185	44	2.8
9221.4	10000	38.9028	94.1727	-135	PP	3.8	1	8.4	-1	1.2	1	0.454	1	3.112	0	6.850	-1	2192	40	2.8
9221.3	10000	38.9034	94.1728	-135	PM	3.8	1	8.7	-1	1.2	1	0.434	1	3.108	0	7.154	-1	2205	44	2.8
9221.2	10000	38.9040	94.1728	-136	PM	3.8	1	8.9	-1	1.2	1	0.424	1	3.038	0	7.169	-1	2217	45	2.8
9221.1	10000	38.9046	94.1728	-136	PM	3.6	1	8.8	-1	1.2	1	0.410	1	2.944	0	7.181	-1	2203	46	2.8
9221.0	10000	38.9051	94.1728	-137	PM	3.2	0	9.0	0	1.2	1	0.357	0	2.581	-1	7.226	-1	2190	43	2.8
9220.9	10000	38.9057	94.1728	-137	PM	3.5	0	8.5	-1	1.2	1	0.379	0	2.597	-1	6.852	-1	2180	61	2.9
9220.8	10000	38.9063	94.1728	-138	PM	3.5	0	8.5	-1	1.3	1	0.415	1	2.773	-1	6.677	-2	2176	43	2.9
9220.7	10000	38.9069	94.1728	-138	PM	3.3	0	8.6	-1	1.3	1	0.383	0	2.620	-1	6.837	-1	2180	58	2.9
9220.6	10000	38.9075	94.1728	-138	PM	3.3	0	8.5	-1	1.3	1	0.386	0	2.573	-1	6.668	-2	2179	53	2.9
9220.5	10000	38.9081	94.1728	-139	PM	3.3	0	9.0	0	1.3	2	0.368	0	2.523	-1	6.859	-1	2180	44	2.9
9220.4	10000	38.9087	94.1728	-139	PM	3.1	0	9.1	0	1.3	2	0.343	0	2.378	-1	6.935	-1	2170	45	2.9
9220.3	10000	38.9092	94.1728	-140	PM	3.0	0	9.2	0	1.2	1	0.337	0	2.528	-1	7.504	-1	2152	57	2.9
9220.2	10000	38.9098	94.1728	-140	PM	3.1	0	9.0	0	1.3	1	0.337	0	2.385	-1	7.073	-1	2137	42	2.9
9220.1	10000	38.9104	94.1728	-140	PM	3.0	0	8.6	-1	1.2	1	0.345	0	2.458	-1	7.131	-1	2113	40	2.9
9220.0	10000	38.9110	94.1728	-140	PM	3.2	0	8.9	-1	1.2	1	0.373	0	2.786	0	7.461	-1	2107	55	2.9
9219.9	10000	38.9116	94.1728	-141	PM	3.0	-1	8.7	-1	1.1	0	0.372	0	2.823	0	7.585	-1	2094	38	2.9
9219.8	10000	38.9122	94.1728	-142	PM	2.8	-1	8.4	-1	1.1	0	0.355	0	2.731	-1	7.694	-1	2071	40	3.0
9219.7	10000	38.9128	94.1728	-143	PM	3.0	-1	8.2	-1	1.1	0	0.396	1	2.947	0	7.434	-1	2090	42	3.0
9219.6	10000	38.9134	94.1728	-143	PM	3.4	0	8.1	-1	1.2	1	0.426	1	2.966	0	6.971	-1	2113	41	3.0
9219.5	10000	38.9139	94.1728	-143	PM	3.3	0	8.3	-1	1.1	0	0.402	1	3.085	0	7.664	-1	2102	44	3.0
9219.4	10000	38.9145	94.1728	-143	PM	3.0	-1	8.1	0	1.1	0	0.334	0	2.726	-1	8.164	-1	2118	47	3.0
9219.3	10000	38.9151	94.1728	-143	PM	2.8	-1	8.9	1	1.1	0	0.313	0	2.441	-1	7.795	-1	2119	51	3.0
9219.2	10000	38.9157	94.1728	-145	PM	2.9	-1	9.1	1	1.2	1	0.322	0	2.514	-1	7.806	-1	2128	44	3.0
9219.1	10000	38.9163	94.1728	-146	PM	3.0	-1	9.2	1	1.2	1	0.331	0	2.556	-1	7.718	-1	2129	48	3.0
9219.0	10000	38.9169	94.1728	-145	PM	2.7	-1	9.3	1	1.2	1	0.298	0	2.283	-1	7.673	-1	2120	52	3.0
9218.9	10000	38.9175	94.1728	-146	PM	2.8	-1	9.4	1	1.2	1	0.302	0	2.284	-1	7.557	-1	2105	41	3.0
9218.8	10000	38.9181	94.1728	-148	PM	2.8	-1	9.3	1	1.2	1	0.298	0	2.234	-1	7.485	-1	2122	41	3.0
9218.7	10000	38.9186	94.1728	-149	PM	2.9	-1	9.3	1	1.2	1	0.309	0	2.330	-1	7.529	-1	2108	45	3.0
9218.6	10000	38.9192	94.1728	-151	PM	2.8	-1	9.4	1	1.2	1	0.321	0	2.367	-1	7.363	-1	2102	53	3.0
9218.5	10000	38.9198	94.1728	-152	PM	2.8	-1	9.3	1	1.2	1	0.310	0	2.318	-1	7.468	-1	2094	45	3.0
9218.4	10000	38.9204	94.1728	-153	PM	2.7	-1	9.2	1	1.2	1	0.305	0	2.297	-1	7.524	-1	2107	62	3.0
9218.3	10000	38.9210	94.1728	-155	PM	2.9	-1	9.2	1	1.2	1	0.332	0	2.648	-1	7.985	-1	2091	41	3.0
9218.2	10000	38.9216	94.1729	-154	PM	2.7	-1	9.1	1	1.2	1	0.315	0	2.443	-1	7.750	-1	2093	47	3.0
9218.1	10000	38.9222	94.1729	-156	PM	2.6	-1	9.0	1	1.2	1	0.306	0	2.334	-1	7.625	-1	2093	42	3.0
9218.0	10000	38.9228	94.1729	-158	PM	2.7	-1	8.8	1	1.2	1	0.343	0	2.711	-1	7.906	-1	2102	47	3.0
9217.9	10000	38.9233	94.1729	-159	PM	2.7	-1	8.8	1	1.2	1	0.328	0	2.650	-1	8.079	-1	2111	39	3.0
9217.8	10000	38.9239	94.1729	-159	PM	2.7	-1	8.8	1	1.2	1	0.329	0	2.650	-1	8.079	0	2105	39	3.0
9217.7	10000	38.9245	94.1729	-160	PM	2.6	-1	8.8	1	1.2	1	0.321	0	2.503	-1	8.370	-1	2100	57	3.0
9217.6	10000	38.9251	94.1729	-160	PM	2.6	-1	8.8	1	1.2	1	0.328	0	2.684	-1	8.352	-1	2116	47	3.0
9217.5	10000	38.9257	94.1729	-160	PM	2.6	-1	8.8	1	1.2	1	0.328	0	2.684	-1	8.352	-1	2116	47	3.0
9217.4	10000	38.9263	94.1729	-159	PM	2.6	-1	8.8	1	1.2	1	0.328	0	2.684	-1	8.352	-1	2116	47	3.0
9217.3	10000	38.9269	94.1729	-159	PM	2.6	-1	8.8	1	1.2	1	0.328	0	2.684	-1	8.352	-1	2116	47	3.0
9217.2	10000	38.9275	94.1729	-156	PM	2.6	-1	8.8	1	1.2	1	0.328	0	2.684	-1	8.352	-1	2116	47	3.0
9217.1	10000	38.9280	94.1729	-155	PM	2.6	-1	8.8	1	1.2	1	0.328	0	2.684	-1	8.352	-1	2116	47	3.0
9217.0	10000	38.9286	94.1729	-157	PM	2.6	-1	8.8	1	1.2	1	0.328	0	2.684	-1	8.352	-1	2116	47	3.0

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9216.9	10000	38.9292	94.1729	-159	PM	3.3	0	8.0	-1	1.1	0	0.412	1	3.005	0	7.303	-1	2185	43	3.0
9216.8	10000	38.9298	94.1729	-159	PM	3.3	0	8.4	-1	1.1	0	0.395	1	2.949	0	7.473	-1	2204	52	3.0
9216.7	10000	38.9304	94.1729	-159	PM	3.2	0	8.4	-1	1.1	0	0.383	0	2.878	0	7.517	-1	2211	42	3.0
9216.6	10000	38.9310	94.1729	-158	PM	3.2	0	8.8	-1	1.2	1	0.365	0	2.763	-1	7.574	-1	2235	44	3.0
9216.5	10000	38.9316	94.1729	-157	PM	3.1	0	8.5	-1	1.2	1	0.361	0	2.604	-1	7.207	-1	2238	34	3.0
9216.4	10000	38.9322	94.1729	-157	PM	3.2	0	8.5	-1	1.2	1	0.380	0	2.710	-1	7.126	-1	2250	47	3.0
9216.3	10000	38.9327	94.1729	-157	PM	3.3	0	9.0	0	1.3	1	0.365	0	2.522	-1	6.916	-1	2265	61	3.0
9216.2	10000	38.9333	94.1729	-156	PM	3.0	0	8.8	-1	1.3	1	0.346	0	2.327	-1	6.718	-2	2281	49	3.0
9216.1	10000	38.9339	94.1729	-156	PM	2.9	-1	9.2	0	1.3	1	0.315	-1	2.250	-1	7.141	-1	2292	37	3.0
9216.0	10000	38.9345	94.1729	-156	PM	2.8	-1	9.5	0	1.3	1	0.300	-1	2.217	-1	7.393	-1	2297	53	3.0
9215.9	10000	38.9351	94.1729	-156	PM	3.0	-1	9.5	0	1.3	1	0.311	-1	2.327	-1	7.493	-1	2296	43	3.0
9215.8	10000	38.9357	94.1729	-156	PM	2.9	-1	10.0	1	1.3	1	0.290	-1	2.217	-1	7.641	-1	2319	47	3.0
9215.7	10000	38.9363	94.1729	-156	PM	2.5	-1	10.1	1	1.3	2	0.248	-2	1.921	-2	7.739	-1	2305	52	3.0
9215.6	10000	38.9368	94.1729	-156	PM	2.3	-2	9.8	0	1.3	2	0.233	-2	1.706	-2	7.318	-1	2312	59	3.0
9215.5	10000	38.9374	94.1729	-156	PM	2.3	-2	9.6	0	1.3	2	0.243	-2	1.741	-2	7.171	-1	2285	54	3.0
9215.4	10000	38.9380	94.1729	-156	PM	2.5	-2	9.5	0	1.3	2	0.261	-1	1.867	-2	7.153	-1	2272	58	3.0
9215.3	10000	38.9386	94.1729	-156	PM	2.4	-2	9.7	0	1.3	2	0.248	-2	1.793	-2	7.244	-1	2258	42	3.0
9215.2	10000	38.9392	94.1729	-156	PM	2.1	-2	9.5	0	1.3	2	0.222	-2	1.574	-2	7.100	-1	2241	44	3.0
9215.1	10000	38.9398	94.1729	-155	PM	2.0	-2	9.2	0	1.3	1	0.221	-2	1.568	-2	7.099	-1	2200	50	3.0
9215.0	10000	38.9404	94.1729	-156	PM	2.4	-2	9.0	0	1.3	1	0.262	-1	1.830	-2	6.992	-1	2192	42	3.0
9214.9	10000	38.9409	94.1729	-155	PM	2.5	-1	9.1	0	1.2	1	0.278	-1	2.027	-2	7.298	-1	2168	44	3.0
9214.8	10000	38.9415	94.1729	-155	PM	2.8	-1	9.3	0	1.2	1	0.297	-1	2.275	-1	7.653	-1	2155	49	3.0
9214.7	10000	38.9421	94.1729	-155	PM	2.6	-1	8.7	-1	1.2	1	0.300	-1	2.200	-1	7.328	-1	2134	48	3.0
9214.6	10000	38.9427	94.1730	-156	PM	2.6	-1	8.5	-1	1.2	1	0.302	-1	2.202	-1	7.293	-1	2111	47	3.0
9214.5	10000	38.9433	94.1730	-157	PM	2.8	-1	8.6	-1	1.1	0	0.330	0	2.482	-1	7.517	-1	2109	55	3.0
9214.4	10000	38.9439	94.1730	-157	PM	2.2	0	8.6	-1	1.1	0	0.371	0	2.784	-1	7.493	-1	2125	69	3.0
9214.3	10000	38.9445	94.1730	-157	PM	2.0	-1	8.8	-1	1.2	1	0.345	0	2.526	-1	7.310	-1	2129	40	3.0
9214.2	10000	38.9451	94.1730	-158	PM	2.9	-1	8.9	-1	1.2	1	0.322	0	2.412	-1	7.497	-1	2137	40	3.0
9214.1	10000	38.9456	94.1730	-158	PM	2.5	-1	9.1	-1	1.2	1	0.279	-1	2.124	-2	7.620	-1	2141	47	3.0
9214.0	10000	38.9462	94.1730	-158	PM	2.7	-1	9.2	-1	1.2	1	0.289	-1	2.179	-1	7.532	-1	2140	42	3.0
9213.9	10000	38.9468	94.1730	-158	PM	2.9	-1	9.2	-1	1.3	1	0.319	-1	2.372	-1	7.434	-1	2152	36	3.0
9213.8	10000	38.9474	94.1730	-158	PM	2.7	-1	9.2	-1	1.3	1	0.321	-1	2.278	-1	7.103	-1	2148	56	3.0
9213.7	10000	38.9480	94.1730	-158	PM	2.8	-1	9.2	-1	1.3	1	0.287	-1	2.133	-2	7.425	-1	2132	41	3.0
9213.6	10000	38.9486	94.1730	-158	PM	2.8	-1	9.2	-1	1.3	1	0.312	-1	2.329	-1	7.463	-1	2126	43	3.0
9213.5	10000	38.9492	94.1730	-158	PM	2.8	-1	9.2	-1	1.3	1	0.320	-1	2.355	-1	7.354	-1	2110	48	3.0
9213.4	10000	38.9498	94.1730	-158	PM	2.8	-1	9.2	-1	1.3	1	0.365	-1	2.769	-1	7.588	-1	2085	51	3.0
9213.3	10000	38.9503	94.1730	-158	PM	2.8	-1	9.2	-1	1.3	1	0.378	-1	2.845	-1	7.528	-1	2072	45	3.0
9213.2	10000	38.9509	94.1730	-158	PM	2.8	-1	9.2	-1	1.3	1	0.359	-1	2.714	-1	7.555	-1	2056	42	3.0
9213.1	10000	38.9515	94.1730	-157	PM	2.8	-1	9.2	-1	1.3	1	0.352	-1	2.798	-1	7.946	-1	2046	47	3.0
9213.0	10000	38.9521	94.1730	-157	PM	2.8	-1	9.2	-1	1.3	1	0.390	-1	2.115	-2	7.994	-1	2051	42	3.0
9212.9	10000	38.9527	94.1730	-157	PM	2.8	-1	9.2	-1	1.3	1	0.404	-1	2.262	-2	8.066	-1	2050	37	3.0
9212.8	10000	38.9533	94.1730	-157	PM	2.8	-1	9.2	-1	1.3	1	0.422	-1	2.237	-2	7.678	-1	2055	45	3.0
9212.7	10000	38.9539	94.1730	-157	PM	2.8	-1	9.2	-1	1.3	1	0.404	-1	2.897	-2	7.180	-1	2074	50	3.0
9212.6	10000	38.9544	94.1730	-157	PM	2.8	-1	9.2	-1	1.3	1	0.381	-1	2.848	-2	7.465	-1	2076	46	3.0
9212.5	10000	38.9550	94.1730	-157	PM	2.8	-1	9.2	-1	1.3	1	0.404	-1	2.888	-2	7.662	-1	2088	51	3.0
9212.4	10000	38.9556	94.1730	-157	PM	2.8	-1	9.2	-1	1.3	1	0.391	-1	2.837	-2	7.256	-1	2080	60	3.0
9212.3	10000	38.9562	94.1730	-157	PM	2.8	-1	9.2	-1	1.3	1	0.356	-1	2.561	-2	7.186	-1	2079	87	3.0
9212.2	10000	38.9568	94.1730	-157	PM	2.8	-1	9.2	-1	1.3	1	0.321	-1	2.369	-2	7.374	-1	2092	47	3.0
9212.1	10000	38.9574	94.1730	-157	PM	2.8	-1	9.2	-1	1.3	1	0.311	-1	2.354	-2	7.562	-1	2101	41	3.0
9212.0	10000	38.9580	94.1730	-158	PM	2.8	-1	9.2	-1	1.3	1	0.324	-1	2.460	-2	7.594	-1	2118	50	3.0
9211.9	10000	38.9586	94.1730	-159	PM	2.8	-1	9.2	-1	1.3	1	0.353	-1	2.513	-2	7.117	-1	2159	50	3.0
9211.8	10000	38.9591	94.1730	-160	PM	3.3	0	9.2	-1	1.3	1	0.363	-1	2.554	-2	7.028	-1	2185	50	3.0

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9211.7	10000	38.9597	94.1730	-161	PM	3.2	0	9.1	0	1.2	1	0.355	0	2.607	-1	7.340	-1	2205	40	2.9
9211.6	10000	38.9603	94.1730	-162	PM	3.2	0	8.9	0	1.3	1	0.360	0	2.555	-1	7.093	-1	2209	63	2.9
9211.5	10000	38.9609	94.1730	-164	PM	3.3	0	8.6	-1	1.3	1	0.383	0	2.569	-1	6.704	-2	2216	38	2.9
9211.4	10000	38.9615	94.1730	-165	PM	3.2	0	8.2	-1	1.3	1	0.389	1	2.506	-1	6.435	-2	2213	52	2.9
9211.3	10000	38.9621	94.1730	-167	PM	3.3	0	8.0	-1	1.2	1	0.415	1	2.678	-1	6.445	-2	2216	40	2.9
9211.2	10000	38.9627	94.1730	-169	PM	3.3	0	8.0	-1	1.2	1	0.410	1	2.691	-1	6.557	-2	2200	37	2.9
9211.1	10000	38.9632	94.1730	-172	PM	3.0	-1	7.9	-1	1.3	1	0.373	0	2.320	-1	6.215	-2	2200	49	2.9
9211.0	10000	38.9638	94.1731	-175	PM	3.1	0	7.9	-1	1.3	1	0.392	1	2.418	-1	6.167	-2	2214	47	2.9
9210.9	10000	38.9644	94.1731	-178	PM	3.1	0	7.9	-1	1.3	1	0.386	1	2.404	-1	6.228	-2	2230	31	2.9
9210.8	10000	38.9650	94.1731	-181	PM	3.1	0	7.9	-1	1.3	1	0.391	1	2.441	-1	6.245	-2	2214	56	2.9
9210.7	10000	38.9656	94.1731	-184	PM	3.1	0	8.1	-1	1.3	1	0.385	1	2.450	-1	6.357	-2	2212	47	2.9
9210.6	10000	38.9662	94.1731	-186	PM	3.0	0	8.5	-1	1.3	2	0.357	0	2.276	-1	6.378	-2	2211	47	2.9
9210.5	10000	38.9668	94.1731	-190	PM	2.8	-1	8.6	-1	1.3	2	0.330	0	2.109	-2	6.392	-2	2218	54	2.9
9210.4	10000	38.9674	94.1731	-192	PM	3.0	-1	8.5	-1	1.3	2	0.352	0	2.247	-1	6.379	-2	2198	46	2.9
9210.3	10000	38.9679	94.1731	-195	PM	3.0	-1	8.1	-1	1.4	2	0.364	0	2.158	-1	5.923	-2	2187	41	2.9
9210.2	10000	38.9685	94.1731	-198	PM	3.0	-1	7.7	-2	1.4	2	0.385	1	2.162	-1	5.623	-2	2177	54	2.9
9210.1	10000	38.9691	94.1731	-200	PM	2.9	-1	7.7	-2	1.4	2	0.373	0	2.058	-2	5.516	-2	2179	51	2.9
9210.0	10000	38.9697	94.1731	-203	PM	3.1	0	7.8	-2	1.4	2	0.394	1	2.235	-1	5.671	-2	2174	61	2.9
9209.9	10000	38.9703	94.1731	-206	PM	3.1	0	7.7	-2	1.3	2	0.406	1	2.353	-1	5.788	-2	2172	51	2.9
9209.8	10000	38.9709	94.1730	-208	PM	3.1	0	7.7	-2	1.3	2	0.404	1	2.335	-1	5.778	-2	2156	37	2.9
9209.7	10000	38.9715	94.1730	-210	PM	3.2	0	7.9	-1	1.3	2	0.403	1	2.413	-1	5.983	-2	2174	39	2.9
9209.6	10000	38.9721	94.1730	-212	PM	3.3	0	8.0	-1	1.3	1	0.405	1	2.482	-1	6.125	-2	2158	38	2.9
9209.5	10000	38.9727	94.1730	-213	PM	3.3	0	8.1	-1	1.2	1	0.409	1	2.643	-1	6.467	-2	2159	39	2.9
9209.4	10000	38.9733	94.1730	-215	PM	3.1	0	7.9	-1	1.2	1	0.393	1	2.543	-1	6.472	-2	2155	41	2.9
9209.3	10000	38.9739	94.1730	-215	PM	3.2	0	7.7	-2	1.2	1	0.409	1	2.662	-1	6.500	-2	2149	55	2.9
9209.2	10000	38.9745	94.1730	-216	PM	3.2	0	8.1	-1	1.2	1	0.394	1	2.689	-1	6.829	-1	2138	48	2.9
9209.1	10000	38.9751	94.1730	-216	PM	3.3	0	8.0	-1	1.1	0	0.415	1	2.982	0	7.182	-1	2136	53	2.9
9209.0	10000	38.9757	94.1730	-216	PM	3.1	0	7.7	-2	1.1	0	0.402	1	2.767	-1	6.878	-1	2102	56	2.9
9208.9	10000	38.9763	94.1730	-215	PM	2.9	-1	7.7	-2	1.2	1	0.374	0	2.477	-1	6.621	-2	2099	45	2.9
9208.8	10000	38.9769	94.1730	-215	PM	2.9	-1	7.5	-2	1.2	1	0.356	1	2.181	-1	6.125	-2	2085	64	2.9
9208.7	10000	38.9775	94.1729	-214	PM	3.0	-1	7.9	-1	1.2	1	0.373	1	2.429	-1	6.515	-2	2073	44	2.9
9208.6	10000	38.9781	94.1729	-213	PM	2.9	-1	8.3	-1	1.3	1	0.367	1	2.319	-1	6.314	-2	2092	41	2.9
9208.5	10000	38.9787	94.1729	-213	PM	2.8	-1	8.0	-1	1.4	1	0.382	1	2.139	-1	5.598	-2	2092	43	2.9
9208.4	10000	38.9793	94.1729	-212	PM	2.8	-1	7.6	-1	1.4	1	0.376	1	2.009	-1	5.337	-2	2102	50	2.9
9208.3	10000	38.9799	94.1729	-211	PM	2.8	-1	7.6	-1	1.4	1	0.390	1	2.111	-1	5.419	-2	2117	44	2.9
9208.2	10000	38.9805	94.1729	-210	PM	2.8	-1	7.6	-1	1.4	1	0.372	1	2.127	-1	5.710	-2	2126	39	2.9
9208.1	10000	38.9811	94.1729	-210	PM	2.8	-1	7.6	-1	1.4	1	0.378	1	2.300	-1	6.083	-2	2120	53	2.9
9208.0	10000	38.9817	94.1729	-210	PM	2.8	-1	7.6	-1	1.4	1	0.405	1	2.354	-1	5.806	-2	2131	51	2.9
9207.9	10000	38.9823	94.1729	-210	PM	2.8	-1	7.6	-1	1.4	1	0.391	1	2.409	-1	6.158	-2	2121	45	2.9
9207.8	10000	38.9829	94.1729	-210	PM	2.8	-1	7.6	-1	1.4	1	0.349	1	2.311	-1	6.618	-2	2092	46	2.9
9207.7	10000	38.9835	94.1729	-210	PM	2.8	-1	7.6	-1	1.4	1	0.339	1	2.376	-1	7.002	-2	2063	25	2.9
9207.6	10000	38.9841	94.1728	-211	PM	2.8	-1	7.6	-1	1.4	1	0.301	1	2.200	-1	7.296	-2	2053	37	2.9
9207.5	10000	38.9847	94.1728	-212	PM	2.8	-1	7.6	-1	1.4	1	0.341	1	2.356	-1	6.916	-2	2057	56	2.9
9207.4	10000	38.9853	94.1728	-213	PM	2.8	-1	7.6	-1	1.4	1	0.338	1	2.386	-1	7.060	-2	2068	40	2.9
9207.3	10000	38.9859	94.1728	-213	PM	2.8	-1	7.6	-1	1.4	1	0.329	1	2.225	-1	6.766	-2	2058	65	2.9
9207.2	10000	38.9865	94.1728	-215	PM	2.8	-1	7.6	-1	1.4	1	0.316	1	2.032	-1	6.427	-2	2054	55	2.9
9207.1	10000	38.9871	94.1728	-216	PM	2.8	-1	7.6	-1	1.4	1	0.329	1	2.098	-1	6.376	-2	2086	55	2.9
9207.0	10000	38.9877	94.1728	-216	PM	2.8	-1	7.6	-1	1.4	1	0.339	1	2.061	-1	6.087	-2	2119	43	2.9
9206.9	10000	38.9883	94.1728	-217	PM	2.8	-1	7.6	-1	1.4	1	0.362	1	2.298	-1	6.805	-2	2144	46	2.9
9206.8	10000	38.9889	94.1727	-218	PM	2.8	-1	7.6	-1	1.4	1	0.388	1	2.346	-1	6.148	-2	2181	52	2.9
9206.7	10000	38.9895	94.1727	-220	PM	2.8	-1	7.6	-1	1.4	1	0.372	1	2.322	-1	6.141	-2	2215	29	2.9
9206.6	10000	38.9901	94.1727	-221	PM	3.5	0	8.8	-1	1.3	2	0.405	1	2.618	-1	6.497	-2	2249	69	2.9

LINE 1060 DATA ACQUIRED 80255 LAWRENCE QUADRANGLE - NTMS NJ 15-4 AVERAGED RECORD LISTING - GEOMETRICS

FIDUCIAL NUMBER	QUAL SAKUT	N. LAT DEGREES	W. LONG DEGREES	MAG GAMMAS	GEOL UNIT	EU PPM	SD	ETH PPM	SD	K %	SD	EU/ETH	SD	EU/K	SD	ETH/K	SD	TOTAL CPS	COS CPS	EUAIR PPM
9206.5	10000	38.9907	94.1727	-222	PM	3.5	0	8.9	0	1.4	2	0.387	1	2.554	-1	6.596	-2	2286	44	3.0
9206.4	10000	38.9913	94.1727	-224	PM	3.7	1	9.0	0	1.4	2	0.413	1	2.637	-1	6.380	-2	2321	40	3.0
9206.3	10000	38.9919	94.1727	-225	PM	3.7	1	9.2	0	1.4	2	0.399	1	2.648	-1	6.642	-2	2354	61	3.0
9206.2	10000	38.9925	94.1727	-226	PM	3.5	0	9.3	0	1.3	2	0.374	0	2.636	-1	7.039	-1	2372	38	3.0
9206.1	10000	38.9931	94.1727	-228	PM	3.3	0	9.5	0	1.3	2	0.344	0	2.479	-1	7.215	-1	2359	35	3.0
9206.0	10000	38.9937	94.1727	-230	PM	3.1	0	8.9	0	1.3	2	0.351	0	2.378	-1	6.780	-1	2343	47	3.0
9205.9	10000	38.9943	94.1727	-231	PM	3.0	-1	9.0	0	1.3	2	0.330	0	2.198	-1	6.666	-2	2343	52	3.0
9205.8	10000	38.9949	94.1727	-233	PM	3.2	0	8.5	-1	1.3	1	0.371	0	2.512	-1	6.766	-2	2317	53	3.0
9205.7	10000	38.9955	94.1726	-235	PM	3.3	0	8.6	-1	1.2	1	0.386	1	2.731	-1	7.072	-1	2291	45	3.0
9205.6	10000	38.9961	94.1726	-236	PM	3.2	0	8.3	-1	1.2	1	0.385	1	2.748	-1	7.135	-1	2257	44	3.0
9205.5	10000	38.9967	94.1726	-238	PM	3.4	0	8.3	-1	1.1	0	0.404	1	2.971	0	7.356	-1	2216	47	3.0
9205.4	10000	38.9973	94.1726	-240	PM	3.4	0	7.9	-1	1.1	0	0.424	1	3.122	0	7.355	-1	2183	51	3.0
9205.3	10000	38.9979	94.1726	-241	PM	3.4	0	7.9	-1	1.1	0	0.427	1	3.222	0	7.538	-1	2167	69	3.0
9205.2	10000	38.9985	94.1726	-242	PM	3.4	0	7.7	-2	1.0	0	0.444	1	3.306	0	7.442	-1	2143	40	3.0
9205.1	10000	38.9991	94.1726	-243	PM	3.5	0	7.5	-2	1.1	0	0.461	2	3.255	0	7.068	-1	2135	50	3.0
9205.0	10000	38.9997	94.1726	-243	PM	3.4	0	7.2	-2	1.1	0	0.465	2	3.127	0	6.724	-2	2120	41	3.0
9204.9	10000	39.0003	94.1726	-244	PM	3.6	1	6.9	-2	1.1	0	0.519	3	3.226	0	6.212	-2	2107	48	3.0

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GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-	GRID	-LINE-
A 1	1010	E 5	1020	I 9	1040	M 13	1060								
B 1	1010	F 5	1020	J 9	1040										
C 1	1010	G 5	1020	K 9	1040	A 14	1060								
D 1	1010	H 5	1020	L 9	1040	B 14	1060								
E 1	1010	I 5	1020	M 9	1040	C 14	1060								
F 1	1010	J 5	1020			D 14	1060								
G 1	1010	K 5	1030	A 10	1040	E 14	1060								
H 1	1010	L 5	1030	B 10	1040	F 14	1060								
I 1	1010	M 5	1030	C 10	1040	G 14	1060								
J 1	1010			D 10	1040	H 14	1060								
K 1	1010	A 6	1030	E 10	1040	I 14	1060								
L 1	1010	B 6	1030	F 10	1040	J 14	1060								
M 1	1010	C 6	1030	G 10	1040	K 14	1060								
		D 6	1030	H 10	1040	L 14	1060								
A 2	1010	E 6	1030	I 10	1040	M 14	1060								
B 2	1010	F 6	1030	J 10	1040										
C 2	1010	G 6	1030	K 10	1040	A 15	1060								
D 2	1010	H 6	1030	L 10	1040	B 15	1060								
E 2	1010	I 6	1030	M 10	1050	C 15	1060								
F 2	1010	J 6	1030			D 15	1060								
G 2	1010	K 6	1030	A 11	1050	E 15	1060								
H 2	1010	L 6	1030	B 11	1050	F 15	1060								
I 2	1010	M 6	1030	C 11	1050	G 15	1060								
J 2	1010			D 11	1050	H 15	1060								
K 2	1010	A 7	1030	E 11	1050	I 15	1060								
L 2	1010	B 7	1030	F 11	1050	J 15	1060								
M 2	1010	C 7	1030	G 11	1050	K 15	1060								
		D 7	1030	H 11	1050	L 15	1060								
A 3	1010	E 7	1030	I 11	1050										
B 3	1010	F 7	1030	J 11	1050										
C 3	1010	G 7	1030	K 11	1050										
D 3	1010	H 7	1030	L 11	1050										
E 3	1020	I 7	1030	M 11	1050										
F 3	1020	J 7	1030												
G 3	1020	K 7	1030	A 12	1050										
H 3	1020	L 7	1030	B 12	1050										
I 3	1020	M 7	1030	C 12	1050										
J 3	1020			D 12	1050										
K 3	1020	A 8	1030	E 12	1050										
L 3	1020	B 8	1030	F 12	1050										
M 3	1020	C 8	1040	G 12	1050										
		D 8	1040	H 12	1050										
A 4	1020	E 8	1040	I 12	1050										
B 4	1020	F 8	1040	J 12	1050										
C 4	1020	G 8	1040	K 12	1050										
D 4	1020	H 8	1040	L 12	1050										
E 4	1020	I 8	1040	M 12	1050										
F 4	1020	J 8	1040												
G 4	1020	K 8	1040	A 13	1050										
H 4	1020	L 8	1040	B 13	1050										
I 4	1020	M 8	1040	C 13	1050										
J 4	1020			D 13	1050										
K 4	1020	A 9	1040	E 13	1060										
L 4	1020	B 9	1040	F 13	1060										
M 4	1020	C 9	1040	G 13	1060										
		D 9	1040	H 13	1060										
A 5	1020	E 9	1040	I 13	1060										
B 5	1020	F 9	1040	J 13	1060										
C 5	1020	G 9	1040	K 13	1060										
D 5	1020	H 9	1040	L 13	1060										