

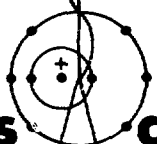
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**MASTER**

The Emission Spectrum of Uranium  
Between 19,080 and 30,261  $\text{cm}^{-1}$



**Los Alamos**  
**scientific laboratory**  
of the University of California  
LOS ALAMOS, NEW MEXICO 87544



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# The Emission Spectrum of Uranium between 19,080 and 30,261 $\text{cm}^{-1}$

by

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# THE EMISSION SPECTRUM OF URANIUM BETWEEN 19,080 AND 30,261 $\text{cm}^{-1}$

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## ABSTRACT

Wavenumber values for 39,659 lines of uranium between 19,080 and 30,261  $\text{cm}^{-1}$  are listed along with their log relative intensity values, a line shape code, and an estimate of the wavenumber accuracy. Also, when known, the classification of the line and its experimental assignment to U I or U II are given. The source used was a 99.75%  $^{238}\text{U}$  hollow cathode discharge tube with either neon or krypton carrier gas. The spectrographic resolution limit was better than 0.04  $\text{cm}^{-1}$  and the measurement accuracy for most lines was better than  $\pm 0.005 \text{ cm}^{-1}$ . The Los Alamos Scientific Laboratory's automatic comparator was used to find and measure each line on one to nine spectrograms. An additional computer program, which was used to prepare the final line list, is described.

## I. Introduction

The optical spectra of uranium are among the most complex of any element. With improving instrumentation, more and more lines can be observed and measured. Until now, the most complete list of experimental uranium lines was contained in a Los Alamos Scientific Laboratory (LASL) report.<sup>1</sup> It listed 25,325 lines, between 4,065 and 49,353  $\text{cm}^{-1}$ , as measured by several laboratories and with wavenumber accuracies that ranged from 0.003 to 0.5  $\text{cm}^{-1}$ .

The line list in the present report contains 39,659 lines within the restricted range of 19,080 to 30,261  $\text{cm}^{-1}$ . The instrumentation had a resolution limit of better than 0.04  $\text{cm}^{-1}$  and the measurement accuracy was better than 0.005  $\text{cm}^{-1}$  for all good single lines. All of the lines reported probably belong to U I or U II.

## II. Apparatus

The light source used for all the spectrograms was a liquid nitrogen cooled hollow cathode discharge tube. The

cathode was a solid piece of  $^{238}\text{U}$  (about 0.25%  $^{235}\text{U}$ ) with the cathode hole 1 in. long and 0.25 in. in diameter. The discharge current was 160 mA. Carrier gases of neon or krypton were used. With neon, the starting pressure was about 3.8 torr. This pressure slowly decreased during the series of exposures. With krypton, the pressure remained constant at about 1.2 torr. Two complete sets of spectrograms were made, one set with each carrier gas. During the data reduction phase of this work, it was found that the strong neon lines appeared weakly in the krypton set. No krypton lines were found in the neon set.

The spectrograph used was the original 5-m, two-mirror, plane-grating spectrograph.<sup>2,3</sup> A spectrograph of this type is now being manufactured as model No. 72-369 by the Jarrell-Ash Division of Fisher Scientific Co. It was used in air at the normal Los Alamos atmospheric pressure of approximately 585 torr. A 300 grooves/mm grating, 10 in. wide and with grooves masked to a height of 1 in. was used near  $60^\circ$  in the 11th through the 18th order. By means of a crossed prism predisperser, simultaneous exposures of these orders were made on two 4-by 10-in. 103a0 photographic plates. Exposure times ranged from 3 to 5 h. A total of 165 spectrograms was

made. Each spectrogram was 10 in. long and contained up to 2,100 lines with a measured resolution limit better than  $0.04 \text{ cm}^{-1}$ . Except for some interferences with the rare gas lines, each uranium line was recorded on two or more spectrograms. These grating spectra were more adaptable to routine measurement with a digital computer than the Fabry-Perot interferometer spectra<sup>1,4</sup> made previously with a similar resolution limit. In addition, the lower stray light made possible the measurement of many weak lines that were lost in the background from the Fabry-Perot interferometer. In some spectral regions up to four times as many lines were observed and measured.

### III. Data Reduction and Final Line List

The formidable task of measuring the spectrograms was one of the major reasons for the development of the Los Alamos automatic comparator.<sup>5</sup> Over 176,000 lines were to be measured at the highest practical accuracy. An attempt was made to measure these lines manually with a photoelectric comparator,<sup>6</sup> but it was soon obvious that the task was too large and the possibility of cumulative human errors was too great. The automatic comparator uses a digital computer to do the complete job of finding and measuring each spectral line for position, wavenumber, wavelength, log relative intensity, and a shape code number. The values are similar to those obtained by a skilled operator using a photoelectric comparator. In addition, they are more consistent than those obtained by manual methods and are made at a rate several orders of magnitude faster. The log relative intensity is given on a scale of  $100 \times \log_{10}$  (linear relative intensity). The shape or character of each line is recognized and tagged with the shape code number:

- 0 = a good line within all tolerances,
- 1 = line shaded toward smaller wavenumber values,
- 2 = line shaded toward larger wavenumber values,
- 4 = wide line,
- 6 = wide line with poor measurements (only from merging program)
- 8 = line with poor measurements--several causes.

An intensity standard deviation for the automatic comparator of less than 1% and a position standard deviation of better than 0.0005 mm have been demonstrated, but the present set of spectrograms increased these

standard deviations to approximately 10% for intensity and 0.006 mm (equal to about  $0.005 \text{ cm}^{-1}$ ) for position.

#### A. Spectrogram Data Reduction

1. *Automatic Comparator Apparatus Runs.* To correct for errors caused by blemishes on the spectrum plate, each of the 176,000 lines on the 165 spectrograms was read twice, once along the top 0.5 mm and then along the bottom 0.5 mm of the 1-mm-high spectrogram. Later in the data reduction, spectrum lines not read on both runs were either dropped or listed with a shape code number of 8. A reading interval of 0.005 mm was selected to insure that even the narrowest lines on the spectrogram (0.025 mm) would have five readings. The microphotometer line of light on the spectrogram was set to 0.4 by 0.005 mm and the linear (15 M $\Omega$ ) plus logarithmic photomultiplier tube output current range was used. With this range, even the darkest lines were recorded without a flat top.

2. *Automatic Comparator Computer Runs.* Only lines with five or more readings were kept. For line finding, one-fifth of the absolute value of the smoothed first derivative was subtracted from the smoothed second derivative of the data. Cubic smoothing of the data was done using four points on each side of the smoothed point. Potential lines with maximum values closer together than 0.030 mm were read as one line. A factor of 1.3 was used to find asymmetrical lines for shape code numbers 1 or 2. Lines with a computed width less than 0.016 mm were given a shape code number of 3, while lines with a width greater than 0.055 were given a shape code number of 4.

3. *Merging of the Two Runs on Each Spectrogram.* The punched cards from each automatic comparator run were used as input to a merging and correcting computer program, which is described in the Appendix. In addition to the wavenumber, log relative intensity, and shape code number for each spectral line, these cards also contained a count number to indicate the number of spectrograms on which the particular line was measured. The count number was set equal to one by the automatic comparator. For the output lines from this merging, it was held at one to indicate the only one spectrogram had been read. All pairs of lines with a wavenumber difference less than or equal to  $0.015 \text{ cm}^{-1}$  were merged together. Also all other pairs of lines with a wavenumber difference greater than 0.015 but less than or equal to 0.030 were also merged together, but the shape code number was set to either 6 or 8. The root mean square wavenumber difference between the two automatic comparator runs for good lines

was about  $0.005 \text{ cm}^{-1}$ . Also, each line with no matching line in the other list was dropped if the shape code number was greater than 4, or it was changed to 8 when the single line was kept in the output list. The uranium interval standard lines used were taken from LASL interferometric measurements with respect to the 198 Hg lines.<sup>1,4</sup>

Hand checking and corrections to these computer runs were made when necessary. The output from this merging program was a deck of punched cards.

**B. Preliminary Line Lists.** Two preliminary line lists on magnetic tape were made from the punched cards from the previous merging run. One list contained the uranium and neon lines, and the other list contained the uranium and krypton lines. The merging and correcting computer program is described in the Appendix. All pairs of lines with a wavenumber difference less than or equal to  $0.027 \text{ cm}^{-1}$  were merged together. The count number was allowed to increase to show the number of spectrograms on which the line had been read. All lines with no matching line in the other list were kept with no change to the shape code number. The resulting uranium plus neon list contained 44,977 lines and the uranium plus krypton list contained 58,330 lines.

**C. Final Line List.** The two preliminary line lists were merged to make the final line list on magnetic tape. The merging and correcting computer program was similar to the previous one. All pairs of lines with a wavenumber difference less than or equal to  $0.027 \text{ cm}^{-1}$  were kept. Each line had to be present in both preliminary line lists. An exception to this rule was made for lines masked by neon or krypton lines. These lines were put into the list by hand and are given in Table I. The LASL interferogram measurements<sup>1,4</sup> (within  $0.015 \text{ cm}^{-1}$ ) were also merged into the list. For these merges, the count number was used as the weighting factor and it was allowed to increase to a maximum of nine.

Values for the uranium lines were checked by comparing the stronger uranium lines to the thorium international secondary standards on simultaneous exposures. As a result a linear correction formula was applied to the uranium wavenumber values:

$$WN_c = WN - 0.0623 + 0.000003148 WN$$

where  $WN_c$  = the final corrected wavenumber value, and  $WN$  = the original wavenumber value. This correction was  $-0.0022 \text{ cm}^{-1}$  at  $19,080 \text{ cm}^{-1}$  and  $+0.0330$  at  $30,261 \text{ cm}^{-1}$ . From the standard deviation of the data used to calculate this formula, we conclude that an average of the final uranium wavenumber values would differ from the international secondary standard of length by

less than  $0.001 \text{ cm}^{-1}$ . The standard deviation of a single wavenumber determination on a line with a code number of 0, 1, or 2 is about  $0.005 \text{ cm}^{-1}$ , and from this a conservative estimate can be made of the wavenumber accuracy (overall measurement error, including an estimate of the standard deviation) for the lines in the final list:

Letter Value	Count Number		Shape Code	Accuracy
A	$\geq 3$	and	$\leq 2$	$0.003 \text{ cm}^{-1}$
B	$= 2$	and	$\leq 2$	0.005
C	$= 1$	or	$> 2$	0.01

The log intensity values were adjusted to agree with the previous experimental uranium line list. In addition to a downward shift for all lines, the log relative intensities of all lines at the ends of this spectrogram list were raised with respect to the lines at the center of the list. The scatter of intensity values was very large, and was surely caused by the use of different sources in the lists. The relative intensity values in the present spectrogram list are much more consistent because one basic source was used. Nevertheless, the intensities of some lines changed greatly between neon or krypton carrier gas in the uranium hollow cathode discharge tube. Because these differences may be physically significant, the lines with intensity differences of 30 or more (a factor of two on a linear scale) are given in Table II.

The final line list is given in Table III. Included for each line are the log relative intensity, shape code and accuracy indicators. Where known, the classification and experimental assignment to U I or U II are given also. With few exceptions, the levels are those presented in LA-4501.<sup>1</sup> The experimental assignment to U I or U II was made by comparing integrated absorption coefficients obtained in flash photolysis experiments with the hollow cathode emission intensities.<sup>7</sup> This comparison is complete only over the region  $24,000$  to  $30,061 \text{ cm}^{-1}$ , and provides information on 1947 of the stronger lines. The utility of this assignment is illustrated by reference to the line  $27,682.226 \text{ cm}^{-1}$ , which can be classified to either U I or U II, but is assigned by the absorption-emission comparison to U I.

The number of lines and the various count number and shape code values are given at the end of Table III.

#### IV. Discussion

Although the uranium hollow cathode source contained only about 0.25%  $^{235}\text{U}$ , lines of  $^{235}\text{U}$  are known to be in the final list. For example the line at

23,555.372  $\text{cm}^{-1}$  is a line of  $^{235}\text{U}$ , and the line at 23,553.977 is its companion line of  $^{238}\text{U}$ . This line and others that are known to be lines of  $^{235}\text{U}$  were not removed. This is consistent with our not being able to remove all the lines of  $^{235}\text{U}$  because the isotope shift for each of the strong lines is not known. Precision measurement of these isotope shifts remains a task for the future.

The extremes of this list contain only the stronger lines of uranium. This resulted from the decrease in exposure on the spectrograms at the ends of the wavenumber range recorded. The list should be complete from 21,000 to 29,000  $\text{cm}^{-1}$ .

**TABLE I**  
**URANIUM LINES IN THE FINAL LIST THAT WERE**  
**MASKED BY NEON OR KRYPTON LINES**

SIGMA: observed wavenumber in  $\text{cm}^{-1}$ .

SIGMA	MASKED BY	SIGMA	MASKED BY	SIGMA	MASKED BY
20938.9957	KR	23246.6501	KR	27087.4937	KR
20945.2844	KR	23275.2050	KR	27087.6970	KR
20977.0528	KR	23341.5916	KR	27087.9523	KR
20977.4891	KR	23341.6688	KR	27120.9283	KR
21230.5604	NE	23341.8448	KR	27121.1689	KR
21230.6766	NE	23419.4892	KR	27149.4915	NE
21250.7847	NE	23419.7731	KR	27163.6632	KR
20991.7250	KR	23470.7555	KR	27163.7468	KR
21272.4057	KR	23470.8722	KR	27248.1614	KR
21296.2312	KR	23702.0360	KR	27274.8657	KR
21296.3149	KR	23705.8192	NE	27288.9939	KR
21310.0013	KR	23706.0001	NE	27359.8592	KR
21359.7849	KR	23795.3911	KR	27360.0991	KR
21458.0010	KR	23887.4584	KR	27400.3604	KR
21458.1805	KR	24592.4619	KR	27400.5458	KR
21498.1879	KR	24641.6541	KR	27480.9489	KR
21573.9739	KR	24716.8097	KR	27483.8856	KR
21642.6305	KR	24942.6309	KR	27526.4833	KR
21642.8055	KR	24958.4855	KR	27650.8890	KR
21642.9182	KR	25006.1822	KR	27651.1308	KR
21740.6725	KR	25025.2035	KR	27684.9576	KR
21767.6792	KR	25043.4317	KR	27709.2399	KR
21814.8487	KR	25230.5036	KR	27768.4253	KR
22105.3957	NE	25260.0965	KR	27770.8060	KR
22204.4229	KR	25518.7361	KR	27776.3601	KR
22221.2396	NE	25519.0165	KR	27820.0899	NE
22339.8516	KR	25549.9153	KR	27850.3899	KR
22340.2079	KR	25551.1007	KR	28048.4976	KR
22396.6275	KR	25551.3579	KR	28117.6151	KR
22429.2645	KR	25668.9726	KR	28171.3612	KR
22445.7823	KR	25908.1487	KR	28204.9784	KR
22445.9322	KR	25908.2110	KR	28207.9199	KR
22532.1741	KR	25993.8652	KR	28208.0444	KR
22532.3752	KR	26004.8984	KR	28208.2221	KR
22532.5218	KR	26019.0468	KR	28440.0395	NE
22532.7324	KR	26019.2131	KR	28476.6625	NE
22558.2708	KR	26058.2702	KR	28502.7490	KR
22558.5582	KR	26190.7146	KR	28553.4866	NE
22672.8721	NE	26304.5855	KR	28586.7674	KR
22774.4144	KR	26329.9564	KR	28721.7164	NE
22797.5737	KR	26425.8814	KR	28731.1748	NE
22878.7790	KR	26461.1062	KR	28788.5032	NE
22915.4116	KR	26467.7441	NE	28788.9415	NE
22915.5374	KR	26467.8318	NE	28789.0370	NE
22952.9480	KR	26628.9264	KR	28838.5766	NE
22953.3308	KR	26696.1920	KR	28838.8170	NE
22953.6309	KR	26718.8596	KR	28856.9514	NE
22974.6619	KR	26725.2962	KR	28857.4647	NE
22976.5576	KR	26761.0366	KR	28889.1441	NE
23081.7197	KR	26783.4680	KR	28922.0505	NE
23125.9437	KR	26888.6367	KR	28970.9114	NE
23143.6584	KR	26888.7354	KR	29248.5689	NE
23143.8044	KR	26888.8959	KR	29593.0181	NE
23149.3024	KR	26949.1947	NE		
23246.3354	KR	27061.4568	NE		

TABLE II

URANIUM LINES WITH INTENSITY DIFFERENCES GREATER THAN 30  
(A FACTOR OF TWO) BETWEEN THE TWO PRELIMINARY LINE LISTS

SIGMA: observed wavenumber in  $\text{cm}^{-1}$ . INE: log relative intensity from the uranium plus neon line list. IKR: log relative intensity from the uranium plus krypton line list. The log relative intensity is given on a scale of  $100 \times \log_{10}$  (linear relative intensity).

SIGMA	IAE	IKR-INE	SIGMA	IAE	IKR-INE	SIGMA	INE	IKR-INE	SIGMA	INE	IKR-INE
19206.5039	374	-20	23408.5065	150	-46	24968.4219	239	-65	27339.1936	143	38
20034.8780	359	-82	23411.6467	146	-40	25012.8350	169	-38	27394.0439	235	-51
20332.6798	286	-44	23417.4656	165	-45	25021.4324	232	-90	27407.6187	204	-43
20364.2883	301	-56	23423.1349	146	-31	25029.1609	154	-30	27419.4103	212	-51
20512.5038	305	-64	23451.0490	207	-80	25056.4719	176	-36	27420.2515	267	-57
20515.5038	305	-64	23461.5788	204	-65	25070.9714	219	-67	27425.3615	208	-61
20550.8658	273	-64	23478.0876	142	-49	25075.3701	237	-39	27485.2054	161	-33
20588.1722	283	-63	23487.0529	141	-37	25078.1106	182	-45	27491.8278	215	-60
20660.6936	319	-70	23548.5606	109	-37	25130.4518	197	-61	27545.2729	199	-51
20671.7064	273	-34	23567.1952	181	-45	25155.4475	144	-36	27570.9723	303	-48
20893.7746	208	-31	23574.7539	198	-59	25157.3004	155	-33	27598.0836	244	-38
20991.0550	233	-39	23588.0354	100	-34	25180.0710	161	-57	27619.5856	174	-38
21003.2491	270	-49	23625.8694	112	-31	25206.1608	183	-38	27627.0606	297	-42
21017.3704	231	-27	23635.2755	106	-32	25262.2927	19	36	27877.7821	268	-49
21077.0295	249	-62	23694.2648	111	-37	25297.5260	183	-38	27888.0499	315	-50
21094.4465	204	-25	23703.9035	158	-46	25342.2645	114	-36	27915.1436	227	-44
21099.8967	203	-36	23724.0129	208	-59	25367.6780	181	-43	27926.2219	211	-38
21193.0322	260	-64	23734.3655	189	-78	25376.1199	169	-50	28004.0640	280	-48
21193.9324	194	-30	23775.1417	145	-31	25391.4705	187	-64	28036.7541	332	-39
21195.8005	220	-47	23778.7566	138	-42	25411.2409	87	41	28043.9629	234	-47
21335.3678	244	-34	23838.2668	140	-48	25423.6521	112	-41	28065.4033	205	-32
21374.9267	174	-54	23882.8578	149	-56	25470.8188	96	74	28069.0001	247	-41
21394.7454	169	-39	23941.8917	111	-33	25521.9853	182	-24	28095.2165	227	-41
21413.0450	219	-48	23985.1451	283	-74	25534.9631	154	-35	28142.3041	237	-33
21513.7523	282	-81	23994.8355	201	-73	25625.9707	245	-73	28145.0400	228	-39
21532.3753	233	-72	24014.5443	144	-37	25659.7925	201	-67	28226.1527	279	-56
21549.1498	195	-37	24024.7645	90	-73	25722.7154	145	-36	28275.6008	308	-69
21623.1404	158	-40	24027.2334	177	-55	25772.3555	241	-64	28281.9436	209	-37
21748.7417	162	-41	24042.4926	166	-65	25823.7232	123	50	28297.0967	326	-55
21807.2954	217	-77	24054.8191	105	-36	25877.0567	235	-61	28364.4236	267	-33
21892.7405	198	-57	24055.8401	162	-43	26057.9189	211	-70	28412.2864	747	-54
21942.6189	187	-55	24062.8915	149	-66	26069.9798	224	-32	28502.1223	314	-53
22019.1938	174	-35	24095.3313	153	-39	26097.5217	162	-52	28519.1638	297	-58
22027.2234	226	-69	24102.9647	148	-51	26107.9979	205	-59	28524.7619	294	-40
22044.3563	280	-89	24112.6057	138	-51	26112.7594	178	-48	28672.4802	234	-42
22044.8700	137	-39	24161.4475	165	-41	26266.4271	208	36	28895.8315	305	-61
22076.1865	225	-32	24173.8114	149	-77	26361.1364	259	-16	28891.5042	291	-50
22094.9352	135	-43	24203.2103	143	-50	26479.1337	221	-60	28879.6725	240	-32
22192.3395	152	-58	24204.5377	144	-50	26498.3698	110	79	29011.0942	245	-36
22243.2400	161	-38	24226.5536	137	-72	26716.7636	174	78	29324.6335	305	-37
22277.1742	176	-36	24266.0461	249	-56	26510.2114	175	-34	29488.0385	291	-31
22280.6991	232	-74	24310.1552	176	-53	2655.5299	204	-73	29492.7521	311	-36
22287.7297	159	-42	24329.1499	164	-40	26603.6301	162	-48	29735.9328	330	-36
22296.9469	136	-36	24416.8816	122	-55	26649.8264	160	48			
22342.7331	186	-42	24458.4084	187	-51	26673.7093	198	-47			
22393.8308	342	-79	24512.6641	189	-40	26690.1087	192	-37			
22426.0002	226	-70	24513.2799	148	-31	26738.7516	267	-60			
22558.9405	186	-50	24519.2147	99	-52	26745.4237	197	-42			
22635.6981	275	-76	24521.8036	151	-48	26751.8909	191	-34			
22645.6384	330	-60	24535.5848	199	-46	26781.9163	150	97			
22676.6752	179	-49	24537.9653	109	-30	26829.9046	220	-44			
22734.8437	151	-37	24561.6230	225	-74	26832.6181	299	-58			
22832.6843	149	-32	24573.6200	146	-36	26857.5125	235	-54			
22841.9619	170	-49	24644.3293	133	-30	26930.0610	164	-38			
23000.0743	205	-59	24666.9642	188	-43	26959.3426	175	-37			
23040.7037	182	-44	24717.4549	178	-49	26966.6130	224	-40			
23202.6523	139	-40	24726.0018	201	-48	27120.3490	163	-32			
23203.9148	226	-65	24726.2900	206	-48	27125.5052	141	39			
23339.1516	135	-38	24731.3509	201	-66	27153.4120	212	-33			
23339.6506	263	-68	24758.7977	231	49	27160.5180	137	-44			
23347.8524	196	-63	24776.5306	78	41	27194.8102	217	-40			
23360.6924	161	-53	24792.3058	321	-84	27206.1662	194	-40			
23366.8512	109	35	24806.0348	175	-58	27212.1233	165	-36			
23382.0109	218	-74	24817.5160	167	-48	27293.7981	263	-50			
23397.3730	164	-61	24832.9457	178	-58	27302.0002	249	-41			



### TABLE III

#### EMISSION SPECTRUM OF URANIUM BETWEEN 19,080 AND 30,261 $\text{cm}^{-1}$

SIGMA: observed wavelength in  $\text{cm}^{-1}$ .

WL: observed wavenumber in angstroms.

IPS: The first numbers represent the log relative intensity on a scale of 100 log (linear relative intensity). The letter stands for the accuracy of the wavenumber value, A =  $0.003 \text{ cm}^{-1}$ , B =  $0.005 \text{ cm}^{-1}$ , C =  $0.01 \text{ cm}^{-1}$ . The last numeral is the shape code number described in the text.

CLASSIFICATION: Even-level tags are in the first column, odd-level tags are in the second. The first five digits of the tag are the integer part of the level value, the last two are the J value. The 1/2 for U II lines is not entered. A J value greater than 20 is module 20 and is used to distinguish between levels with the same integer level value and J value. When multiple classifications are possible, all are listed in this column. The level list used is almost the same as that given in LA-4501.

ION: U I lines are designated by a 1, U II lines by 2. The digit in the left column is the spectrum predicted from the absorption-emission comparison. The digit in the right column is the spectrum to which the line is classified by the analysis.

I PS CLASSIFICATION ION			I PS CLASSIFICATION ION			I PS CLASSIFICATION ION		
SIGMA	WL	I PS	SIGMA	WL	I PS	SIGMA	WL	I PS
19080.94	5219.3587	3604	19524.200	5120.4219	30540	19651.608	5079.4697	27240
19099.947	5234.1366	35740	19527.705	5119.5059	33740	19684.564	5074.4899	27840
19104.897	5237.0033	36140	19533.246	5118.0567	29140	19686.533	5074.1989	29240
19107.209	5239.1702	33440	19535.876	5117.1615	29540	19688.058	5077.8056	32340
19132.994	5225.1421	33940	19536.345	5117.2389	24130	19690.162	5077.2630	28540
19144.797	5221.8974	37540	19537.533	5116.9277	30740	19691.227	5076.9883	30540
19144.908	5221.8670	33040	19541.732	5115.8241	30140	19692.144	5074.7519	38140
19163.010	5216.9343	38540	19542.569	5115.6089	30440	19695.052	5076.0101	28840
19169.457	5215.1798	34440	19542.885	5115.5243	30440	19697.867	5075.7669	26240
19194.670	5207.7868	34440	19556.051	5112.0821	27440	19699.674	5074.8115	26240
19203.245	5205.9981	31440	19558.436	5111.4549	27640	19699.959	5074.7637	33940
19204.344	5205.1631	39340	19561.365	5111.6982	32740	19700.582	5074.5775	27440
			19566.380	5109.1983	24940	19702.871	5073.9675	25340
			19567.692	5090.4807	33340	19705.202	5073.9878	26640
19206.504	5205.1203	36040	19572.915	5107.6776	34940	19706.151	5073.1460	28240
19209.444	5204.3127	33740	19574.261	5107.3283	30940	19706.595	5073.0290	28840
19255.029	5192.0026	33140	19576.455	5106.7539	29340	19707.515	5072.7923	28340
19256.882	5191.5136	36640	19577.533	5106.7337	30940	19707.657	5072.7557	31340
19265.419	5189.2024	32140	19578.933	5106.3685	27540	19709.492	5072.2835	27140
19282.027	5184.7141	30940	19579.711	5106.1655	27540	19711.070	5071.8723	27140
19282.628	5184.5712	34840	19579.151	5106.0508	28240	19715.033	5070.9719	25840
19294.373	5180.8780	36440	19582.318	5105.2249	27540	19719.466	5069.179	25840
19297.157	5180.6476	35340	19588.154	5103.7039	26440	19720.098	5069.5553	25540
19319.490	5174.6789	30940	19592.201	5102.6457	28140	19720.801	5069.3746	25580
19320.833	5174.3191	33940	19595.683	5101.7654	26440	19721.593	5069.712	27640
19349.185	5166.7424	31440	19599.795	5100.8725	24480	19723.037	5069.8000	25440
19358.920	5164.1388	38140	19602.049	5100.8518	27440	19723.993	5069.7835	25060
1937.958	5160.6686	32940	19625.877	5093.8940	29940	19730.275	5066.8120	28640
19373.020	5160.3356	35940	19628.948	5093.0971	34840	19731.319	5066.6723	29440
19389.359	5156.0319	30040	19635.928	5091.2866	28740	19733.512	5066.5148	26540
19389.801	5155.9143	30140	19637.155	5090.9684	28040	19733.525	5066.4661	25640
19396.176	5154.2196	32940	19637.155	5090.9684	28040	19734.179	5065.9380	25940
19397.722	5153.8089	30740	19640.293	5090.1550	29140	19734.650	5065.8172	25240
19401.643	5152.7671	31340	19646.367	5088.5812	28240	19736.599	5065.9939	25540
19403.072	5152.3876	31440	19647.322	5088.3339	27128	19736.598	5065.2376	26340
19403.920	5149.2435	32540	19647.669	5088.2843	28740	19738.543	5064.6181	28240
19415.989	5148.9800	31240	19648.953	5087.9114	27640	19740.032	5064.4350	28340
19423.435	5146.9860	34340	19650.367	5087.5453	27440	19741.567	5064.8422	25740
19424.268	5146.2353	29240	19653.166	5086.8208	29740	19742.268	5063.8547	25540
19430.616	5145.0838	30940	19656.923	5086.8486	32540	19743.675	5063.7580	40240
19432.717	5143.5143	35740	19659.380	5085.2129	29440	19744.264	5063.6917	25680
19436.581	5142.3110	31240	19660.378	5084.9548	27140	19745.162	5061.8384	27140
19440.75	5142.3522	36840	19663.994	5084.0197	27540	19750.255	5061.8146	25680
19445.926	5139.9552	36840	19664.334	5083.9319	27040	19750.494	5061.7532	30040
19452.320	5139.3406	31140	19666.842	5083.8005	26540	19751.382	5061.6256	26440
19461.020	5137.0457	31440	19667.644	5083.0246	26540	19751.496	5061.6960	29840
19471.858	5134.1862	30740	19667.844	5082.0246	26540	19751.533	5061.6201	33840
19476.315	5133.0113	28740	19669.321	5082.0447	26340	19751.533	5061.6201	33340
19477.819	5132.6151	29340	19674.321	5081.4252	26340	19752.031	5060.9490	35240
19479.428	5132.1911	30440	19674.141	5081.3915	32040	19752.031	5060.8721	26440
19485.452	5130.6044	29140	19675.240	5081.1137	27140	19753.075	5060.5794	29440
19496.910	5128.3609	31640	19677.180	5080.6189	27540	19753.391	5060.4526	25140
19499.438	5127.1356	30140	19677.595	5080.5066	27240	19754.337	5059.9746	27240
19500.536	5125.6842	30440	19677.692	5080.4807	33340	19755.926	5059.5932	25980
19505.886	5125.4918	33040	19677.915	5079.8237	31134	19756.307	5059.0079	25580
19505.980	5125.4386	29640	19677.915	5079.8237	31134	19757.437	5059.9746	27240
19506.973	5124.9440	30540	19677.915	5079.8237	31134	19758.926	5059.5932	25980
19510.252	5124.0926	32540						

SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
19759.037	5059.5521	29940	29590	19825.748	5042.5397	29140	29140	19885.338	5027.4287	32340	32340
19759.267	5059.5060	25590	25590	19826.142	5042.4396	29270	29270	19885.516	5027.3838	47241	47241
19760.305	5059.2402	28440	28440	19826.219	5042.3051	28040	28040	19885.594	5027.3386	32540	32540
				30747	7 10987	6	10987	30034	4 10738	4	10738
				27086	6 7326	7	7326	19885.781	5027.3166	27940	27940
				29316	5 9553	5	9553	19885.884	5027.2906	27380	27380
19762.011	5058.5730	27740	27740	19828.168	5041.9244	28340	28340	19885.927	5027.2799	26780	26780
19766.317	5057.7018	25190	25190	19828.047	5041.7009	24640	24640	19886.467	5027.0170	26340	26340
19768.363	5057.1779	30940	30940	19829.874	5041.4906	24640	24640	19887.110	5026.9809	28240	28240
19770.232	5056.6998	26840	26840	19830.822	5041.2494	23108	23108	19887.264	5026.9165	23882	23882
19771.111	5056.4750	30040	30040	19833.234	5040.6335	24181	24181	19888.226	5026.8267	29340	29340
19771.582	5056.4387	30340	30340	19833.640	5040.5365	24180	24180	19888.526	5026.8217	29340	29340
19772.122	5056.2163	30540	30540	19836.288	5039.4578	25840	25840	19889.556	5026.7825	30040	30040
19773.606	5055.8370	28040	28040	19836.280	5039.3696	27940	27940	19889.876	5026.7817	23480	23480
19774.750	5055.5443	26340	26340	19838.260	5039.3696	27940	27940	19890.718	5026.0688	25440	25440
19775.292	5055.4059	29240	29240	19840.143	5039.8811	25540	25540	19890.809	5026.0458	23280	23280
19777.533	5054.8075	27140	27140	19842.295	5038.3347	23640	23640	19891.298	5025.9223	26840	26840
19779.712	5054.2760	25540	25540	19842.640	5038.2470	25080	25080	19892.603	5025.5926	23540	23540
19782.469	5053.5166	26040	26040	19842.872	5038.1680	24740	24740	19893.237	5025.4324	33740	33740
19783.336	5053.3502	40040	40040	19844.535	5037.7660	29140	29140	19893.451	5025.1784	31640	31640
19783.502	5053.3079	27108	27108	19845.893	5037.4212	24740	24740	19894.034	5025.2311	23840	23840
19784.288	5053.1071	24980	24980	19846.666	5037.2251	25040	25040	19895.745	5024.7989	23880	23880
19784.527	5053.0461	25080	25080	19847.269	5037.0649	24280	24280	19896.054	5024.7209	23580	23580
19786.127	5052.6373	27940	27940	19848.731	5036.7009	24340	24340	19896.452	5024.6205	22982	22982
19786.454	5052.5540	24580	24580	19848.731	5036.7009	24340	24340	19896.452	5024.6205	22982	22982
19786.691	5052.4424	24668	24668	19849.418	5036.5266	34440	34440	19896.452	5024.6205	35840	35840
19787.905	5052.4131	27240	27240	19849.756	5036.4408	25640	25640	19896.968	5024.4900	24640	24640
19788.053	5051.9925	25340	25340	19850.516	5036.2481	29940	29940	19898.302	5024.1532	22940	22940
19789.444	5051.7854	25640	25640	19850.630	5036.2191	25940	25940	19898.843	5023.5117	26840	26840
19790.858	5051.4297	32540	32540	19850.974	5036.1317	23808	23808	19900.896	5023.5010	26008	26008
19791.013	5051.3900	24980	24980	19851.240	5035.5571	24540	24540	19901.030	5023.4646	25840	25840
19795.066	5050.3556	25840	25840	19851.416	5035.5123	27640	27640	19901.332	5023.3884	24840	24840
19795.616	5050.2152	27240	27240	19854.907	5035.2050	27040	27040	19901.457	5023.3567	24440	24440
19798.366	5049.5138	25180	25180	19854.907	5035.1342	25140	25140	19901.457	5023.3567	24440	24440
19800.194	5049.0477	35940	35940	19855.065	5035.0941	24640	24640	19902.890	5022.9950	26940	26940
19801.901	5048.6124	24980	24980	19858.105	5034.3233	25440	25440	19902.966	5022.9759	23080	23080
19802.254	5048.5224	26840	26840	19858.338	5034.2644	25740	25740	19904.090	5022.6923	23680	23680
19802.569	5048.4422	26040	26040	19859.300	5034.2505	25340	25340	19904.144	5022.6786	24180	24180
19804.377	5047.9812	25440	25440	19861.226	5033.5223	24940	24940	19904.252	5022.6512	23380	23380
19804.741	5047.8832	25440	25440	19863.677	5032.9112	24580	24580	19904.507	5022.6375	24980	24980
19804.984	5047.8237	28440	28440	19863.677	5032.9112	24580	24580	19904.467	5022.6375	24980	24980
19806.012	5047.5947	27840	27840	19867.089	5032.0441	30440	30440	19905.467	5022.6375	24980	24980
19806.342	5047.5041	32940	32940	19867.352	5031.4735	24280	24280	19905.452	5022.6375	24980	24980
19806.746	5047.3776	25668	25668	19870.482	5031.1474	25440	25440	19906.427	5022.1026	23480	23480
19807.830	5047.1012	25940	25940	19872.223	5030.7467	30240	30240	19907.681	5021.7357	27240	27240
19809.628	5046.7706	26440	26440	19872.223	5030.7467	30240	30240	19907.940	5021.4685	23008	23008
19809.699	5046.6253	26240	26240	19875.900	5030.1696	44440	44440	19909.572	5021.3092	23980	23980
19811.152	5046.2550	27440	27440	19876.900	5029.5402	24880	24880	19909.572	5021.3092	23980	23980
19812.058	5045.8203	24480	24480	19878.071	5029.0644	24140	24140	19911.091	5020.9252	26540	26540
19814.528	5045.3951	27340	27340	19878.592	5028.9843	24140	24140	19911.697	5020.7734	26140	26140
19815.647	5045.1104	24880	24880	19880.056	5028.7645	25140	25140	19914.462	5020.0761	28140	28140
19816.841	5044.8943	25640	25640	19881.445	5028.6662	25140	25140	19914.834	5019.9824	28440	28440
19817.674	5044.5063	24680	24680	19881.076	5028.5064	23940	23940	19915.186	5019.8936	31940	31940
19819.021	5044.5059	27440	27440	19881.246	5028.3434	25840	25840	19915.386	5019.8432	26540	26540
19819.331	5044.1712	26880	26880	19881.634	5028.3149	23580	23580	19919.386	5019.9196	23320	23320
19819.545	5044.1165	26880	26880	19883.088	5028.3149	23580	23580	19919.051	5019.9196	23320	23320
19820.324	5043.9198	24880	24880	19883.088	5028.3149	23580	23580	19920.519	5018.5498	25540	25540
19823.330	5043.1550	27940	27940	19883.262	5027.9537	25040	25040	19922.593	5018.0275	23580	23580
19823.755	5043.0467	24440	24440	19884.358	5027.9537	25040	25040	19922.995	5017.9280	26540	26540
19824.749	5042.7940	28440	28440	19884.451	5027.6445	23508	23508	19923.405	5017.8228	24640	24640
19825.875	5042.7804	25980	25980	19884.650	5027.4019	22680	22680	19923.559	5017.7840	26540	26540
19826.072	5042.7110	24940	24940	19884.760	5027.5749	25540	25540	19923.634	5017.7653	24108	24108
				19885.017	5027.5099	33740	33740	19924.008	5017.6709	24440	24440
				19885.017	5027.5099	33740	33740	19924.196	5017.6237	22508	22508

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
19925.008	5017.4191	26440	19972.595	5005.4644	25140	19972.595	5005.4644	25140
19925.323	5017.3399	26340	19973.139	5005.3280	27940	19973.139	5005.3280	27940
19925.787	5017.2230	22480	19973.518	5005.2332	26140	19973.518	5005.2332	26140
19926.261	5017.1037	23480	19974.621	5005.2072	25240	19974.621	5005.2072	25240
19926.933	5016.9345	24340	19976.106	5004.5847	25940	19976.106	5004.5847	25940
19927.097	5016.9332	23080	19976.518	5004.4815	24280	19976.518	5004.4815	24280
19929.566	5016.2717	23440	19977.320	5004.2780	23940	19977.320	5004.2780	23940
19929.715	5016.2342	22880	19977.762	5004.1697	24940	19977.762	5004.1697	24940
19930.053	5016.1491	22528	19978.026	5004.0871	26640	19978.026	5004.0871	26640
19931.359	5015.8202	24080	19978.236	5004.0536	23980	19978.236	5004.0536	23980
19934.202	5015.0491	26540	19978.423	5004.0241	38240	19978.423	5004.0241	38240
19935.593	5014.5256	25800	19978.667	5003.9580	25080	19978.667	5003.9580	25080
19937.907	5014.1730	22528	19978.724	5003.8036	25040	19978.724	5003.8036	25040
19938.372	5014.0560	23240	19979.516	5003.7306	25940	19979.516	5003.7306	25940
19940.961	5013.4051	26940	19979.870	5003.6417	23140	19979.870	5003.6417	23140
19941.091	5013.3724	25980	19980.585	5003.5958	21928	19980.585	5003.5958	21928
19941.782	5013.1987	23840	19981.569	5003.2162	25040	19981.569	5003.2162	25040
19942.992	5013.0445	26040	19981.968	5003.1165	21728	19981.968	5003.1165	21728
19942.997	5012.9185	31040	19982.370	5003.0159	22080	19982.370	5003.0159	22080
19944.496	5012.5166	24840	19983.752	5002.9202	27940	19983.752	5002.9202	27940
19944.783	5012.4443	23540	19984.154	5002.8171	23440	19984.154	5002.8171	23440
19944.939	5012.4052	31640	19984.428	5002.5005	25740	19984.428	5002.5005	25740
19946.693	5011.9645	23240	19988.236	5001.5475	27640	19988.236	5001.5475	27640
19947.061	5011.8720	23040	19988.971	5001.3636	32440	19988.971	5001.3636	32440
19947.298	5011.8273	20240	19991.608	5001.7039	25640	19991.608	5001.7039	25640
19947.973	5011.6429	26340	19991.704	5001.6799	27780	19991.704	5001.6799	27780
19948.731	5011.6524	28240	19991.905	5001.6296	25140	19991.905	5001.6296	25140
19948.902	5011.5094	30240	19992.159	5001.5662	23140	19992.159	5001.5662	23140
19949.074	5011.3661	25440	19992.341	5001.2705	22540	19992.341	5001.2705	22540
19949.555	5011.2453	23940	19993.612	4999.9526	28240	19993.612	4999.9526	28240
19951.022	5010.8769	23040	19994.740	4999.9206	26240	19994.740	4999.9206	26240
19953.234	5010.3214	23140	19995.151	4999.8178	22980	19995.151	4999.8178	22980
19953.707	5010.2025	24140	19995.749	4999.6683	21428	19995.749	4999.6683	21428
19954.585	5009.9822	25240	19995.970	4999.6130	29140	19995.970	4999.6130	29140
19955.380	5009.7825	25040	19996.276	4999.5366	26880	19996.276	4999.5366	26880
19955.804	5009.6762	24540	19996.464	4999.4895	27240	19996.464	4999.4895	27240
19956.909	5009.3988	31940	19997.368	4999.2636	21828	19997.368	4999.2636	21828
19957.877	5009.3781	25128	19997.782	4999.1050	25240	19997.782	4999.1050	25240
19958.263	5008.9234	28340	19998.408	4999.0940	25980	19998.408	4999.0940	25980
19958.793	5008.7250	23440	19998.488	4998.9834	24840	19998.488	4998.9834	24840
19959.773	5008.6800	37340	19999.141	4998.8203	24840	19999.141	4998.8203	24840
19960.331	5008.5400	22280	19999.489	4998.7332	23540	19999.489	4998.7332	23540
19961.259	5008.3070	22980	19999.640	4998.6956	21780	19999.640	4998.6956	21780
19961.454	5008.2571	23092	19999.910	4998.6281	29140	19999.910	4998.6281	29140
19961.824	5008.2103	39040	20000.439	4998.5517	24140	20000.439	4998.5517	24140
19962.022	5008.1157	25740	20000.791	4998.4079	23540	20000.791	4998.4079	23540
19962.180	5008.0759	24440	20001.456	4998.2817	21928	20001.456	4998.2817	21928
19962.397	5008.0214	23580	20001.583	4998.2111	23940	20001.583	4998.2111	23940
19964.864	5007.4017	23780	20001.748	4998.1688	25040	20001.748	4998.1688	25040
19965.723	5007.1873	25040	20002.019	4998.1011	23140	20002.019	4998.1011	23140
19966.157	5007.0785	27740	20002.253	4998.0400	22580	20002.253	4998.0400	22580
19967.337	5006.9325	27640	20002.717	4997.9267	25040	20002.717	4997.9267	25040
19970.111	5006.0871	24440	20003.442	4997.8132	32040	20003.442	4997.8132	32040
19970.816	5006.0107	30740	20003.772	4997.7432	32040	20003.772	4997.7432	32040
19970.974	5005.8707	22340	20004.991	4997.5864	22240	20004.991	4997.5864	22240
19971.334	5005.7806	23540	20005.302	4997.5207	23540	20005.302	4997.5207	23540
19971.534	5005.6997	26740	20005.355	4997.2677	24240	20005.355	4997.2677	24240



SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	
20332.440	4916.8763	376C8	26451 8	20402.653	4899.9553	23AA0	27506 2	7103 3	1	20459.277	4866.3936	22AA0
20333.753	4916.8004	27056	27499 5	20403.444	4899.5249	23AA0	28523 3	31940	1	20459.564	4866.3251	31940
20333.075	4916.7225	237R0	30588 6	20405.067	4899.3754	29AA0	30945 4	10540 3	1	20461.079	4885.9633	20AA0
20333.295	4916.6695	26AA0	30588 6	20405.440	4899.2859	27AA0	21328 3	914 2	2	20451.217	4885.9304	20AA0
20333.434	4916.6358	367A0	26324 5	20405.562	4899.2565	255C8				20461.306	4885.9092	226A0
20333.830	4916.5700	25AA0	24609 6	20406.017	4899.1173	220B0				20461.376	4885.8926	226A0
20334.357	4916.3448	219R0	30589 5	20407.816	4898.7156	197A0				20461.512	4885.8539	246A0
20334.636	4915.9264	232R0	30544 5	20408.044	4898.6408	24AA0				20462.035	4885.8147	235A0
20335.191	4915.8654	326A0	29223 6	20408.352	4898.6099	27AA0				20462.295	4885.7836	226A0
20335.548	4915.3946	253A0	24627 3	20408.372	4898.5939	29A0				20463.525	4885.7452	221B0
20337.713	4915.3598	237H0	27887 2	20409.079	4898.4130	25A0				20463.781	4885.7062	276A0
20340.143	4915.0163	258A0	27887 2	20409.079	4898.3836	210C8				20464.292	4885.6674	276A0
20341.583	4914.6662	258A0	25103 6	20409.278	4898.3956	24AA0	30490 5	10081 5	1	20464.525	4885.6284	411A0
20342.082	4914.3456	242R0	33703 6	20413.005	4897.4702	22AA0	20702 6	289 5	2	20464.814	4885.5916	229A0
20343.817	4914.1120	233R0		20414.727	4897.0370	211A0				20464.926	4885.5548	207R0
20344.287	4914.0129	270A0		20416.591	4896.6100	235A0	30672 6	10254 5	1	20465.001	4885.5176	207R0
20344.904	4913.8638	276A0		20417.049	4896.5001	235A0				20465.540	4885.4792	237A0
20345.077	4913.8220	266A0		20417.590	4896.3704	214B0				20466.276	4884.4227	205B0
20346.233	4913.5430	232R0	20635 4	20419.126	4896.0020	27AA0	30500 6	10081 5	1	20466.677	4884.6269	218A0
20346.448	4913.4911	262A0		20420.515	4895.5554	315A0	2020 6	0 6	1	20467.333	4884.5181	226A0
20347.372	4913.2678	259A0		20420.929	4895.5066	21AA0	30490 8	10069 7	1	20467.833	4884.4663	309A0
20347.792	4913.1688	375A0	22642 4	20421.601	4895.4086	21AA0				20469.786	4883.8851	219R0
20348.054	4913.1032	208R0	30436 6	20422.014	4895.0694	21AA0				20470.206	4883.7857	339A0
20348.235	4912.1422	265A0	29978 6	20422.068	4895.0518	21AA0				20473.068	4883.1021	214A0
20352.035	4912.1422	265A0	29978 6	20424.453	4894.7291	25AA0	25130 3	4706 2	2	20474.342	4882.7983	521B0
20352.993	4911.6695	369A0	2035 5	20424.882	4894.1575	276A0	28562 5	8193 4	1	20475.035	4882.6330	507R0
20353.513	4911.3023	268A0	30702 8	20429.346	4893.5328	276A0				20476.358	4882.3150	252A0
20355.637	4910.7903	214A0		20429.660	4893.4777	26AA0	32108 8	11877 7	1	20476.561	4882.2690	220B0
20359.254	4910.4076	241A0	30899 4	20431.430	4893.0536	228A0	26716 6	6283 6	2	20477.503	4882.0444	281A0
20359.455	4910.3519	492A0	25608 7	20431.690	4892.9914	218B0				20477.985	4881.9715	225A0
20359.637	4910.3056	217A0		20433.782	4892.4904	226A0				20477.979	4881.9533	235C8
20362.546	4909.7454	333A0	26125 4	20433.949	4892.4504	250A0				20478.138	4881.9311	214B0
20364.288	4909.1864	273A0		20435.346	4892.1112	25AA0				20478.271	4881.8613	221B0
20369.586	4907.9096	214A0	24172 6	20435.546	4892.0913	23AA0	30584 7	10889 7	1	20478.399	4881.8339	267A0
20371.536	4907.6399	266A0	24650 5	20435.717	4892.0570	27AA0	30993 5	10297 4	1	20478.788	4881.7389	506B0
20374.713	4906.6314	217A0		20435.916	4891.9570	22AA0	24892 3	4853 4	1	20479.035	4881.6792	501B0
20376.297	4906.2948	234A0	33778 6	20439.793	4891.0516	212A0				20479.374	4881.5748	547A0
20376.398	4906.2688	259A0	29255 3	20440.298	4890.9307	235B0	30323 3	9802 4	2	20480.105	4881.4050	210B0
20376.682	4906.5538	267A0	29255 3	20441.362	4890.6761	221B0				20480.459	4881.3411	237A0
20380.125	4905.3715	245A0	34861 9	20441.646	4890.6081	24AA0	29683 5	9241 4	2	20480.879	4881.2396	218B0
20381.251	4905.0934	249A0		20443.785	4890.1014	262A0				20481.123	4881.1816	224A0
20381.672	4904.9993	231A0	30636 6	20444.294	4889.9747	23AA0	27548 4	7103 3	1	20481.552	4881.0788	233A0
20382.148	4904.8847	210B0		20444.387	4889.9526	245B0				20484.324	4880.4188	312A0
20383.023	4904.6742	213A0	32326 2	20444.451	4889.9373	245B0				20484.727	4880.3226	239A0
20383.283	4904.6115	262A0	29936 5	20445.558	4889.6724	22AA0	33981 8	13335 8	1	20485.109	4880.2556	251A0
20383.570	4904.5425	232A0		20446.542	4889.4375	25AA0	28566 7	8114 7	1	20485.781	4880.1929	276A0
20384.970	4904.2050	295A0	24185 7	20446.829	4889.1875	27AA0				20486.129	4879.8459	229A0
20387.292	4903.6495	249A0	31945 5	20447.429	4888.7469	221A0	26444 5	5991 4	1	20487.118	4879.7532	25AA0
20388.886	4903.6551	197R0	27492 4	20448.429	4888.7669	248A0	25714 6	5259 7	2	20488.679	4879.4137	211B0
20391.308	4903.2218	266A0	24263 4	20449.554	4888.7080	28AA0	26444 5	5991 4	1	20488.943	4879.3915	506B0
20391.651	4903.1826	268A0		20453.681	4887.7306	28AA0				20489.012	4879.3022	520A0
20391.800	4903.1305	282A0	24671 6	20454.400	4887.5587	219B0	33282 6	12826 7	1	20489.736	4879.1297	508B0
20391.951	4903.0825	266A0	31215 4	20456.195	4887.1598	220B0	21078 5	620 5	1	20491.241	4878.7713	507B0
20392.969	4900.7361	252A0	30747 7	20457.085	4886.9172	219B0				20491.967	4878.5986	246A0
20400.592	4900.4598	231A0	30747 7	20458.407	4886.6015	303A0				20491.967	4878.5986	246A0
20400.671	4900.4312	267A0	26191 6	20459.175	4886.4161	254A0						
20402.011	4900.1094	253A0										

SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
20492.374	4878.5016	369A0	7326 7	20534.450	4860.4577	209B0	20731.336	4859.3021	217A0	22868 5	2294 5 2
20492.676	4878.3542	245A0	10685 6	20534.778	4868.4274	232A0	20573.592	4858.2523	194B0	28668 9	30842 7 10685 7 1
20493.038	4878.3454	261A0		20535.192	4868.3293	226A0	20576.771	4858.4318	230A0		
20493.824	4878.1550	249A0	10347 6	20535.871	4868.2193	232A0	20578.473	4858.0970	326A0	25163 6	4493 6 2
20494.007	4878.1129	201B0	7085 6	20535.917	4869.1573	198A0	20578.654	4858.0472	267A0	27023 4	6443 4 2
20494.539	4877.9681	313A0	26285 5	20537.147	4867.3183	205A0	20578.654	4858.0472	267A0	27023 4	6443 4 2
20495.091	4877.8548	224A0		20537.485	4867.7905	232A0	20579.244	4857.9079	212A0		
20496.970	4877.4077	247A0		20539.138	4867.3940	233A0	20580.455	4857.6221	187A0		
20497.404	4877.3039	217B0		20539.864	4867.2220	202A0	20580.904	4857.5162	273A0	24449 4	3688 3 1
20498.226	4877.1088	197A0		20541.193	4866.9069	232A0	20581.304	4857.4351	208B0		
20498.293	4877.0928	215A0		20542.218	4866.6641	231A0	20581.304	4857.4216	225A0	31871 6	11290 5 1
20498.603	4876.9716	217B0	14501 6	20542.520	4866.5927	237A0	20582.672	4857.0988	208B0		
20502.359	4876.1256	192B0		20543.827	4866.5672	202A0	20584.315	4856.7111	193B0		
20502.759	4876.0305	248A0	4420 5	20543.937	4866.4701	208A0	20584.315	4856.6562	345A0	31270 9	10685 6 1
20503.639	4876.0115	194C8		20545.781	4865.8201	218A0	20584.984	4856.5532	218A0		
20503.026	4875.9631	213B0		20546.287	4865.7002	207B0	20591.553	4855.9726	224A0	31995 5	11403 4 1
20503.333	4875.8948	235A0		20546.854	4865.5661	218A0	20591.553	4855.9726	224A0	31995 5	11403 4 1
20503.513	4875.8512	297A0		20547.189	4865.4915	217A0	20592.151	4855.8631	199A0	26593 5	5991 4 1
20503.649	4875.8108	208B0		20547.497	4865.4137	209A0	20592.373	4855.8107	199A0		
20504.551	4875.6044	252A0	5401 3	20548.643	4865.1423	232A0	20592.373	4855.8107	199A0		
20505.275	4875.4323	236A0		20549.946	4864.9340	235A0	20594.668	4855.3169	198B0	27600 7	7005 6 1
20507.259	4874.9605	289A0	10081 5	20550.796	4864.6327	204A0	20595.362	4855.1060	241A0	27600 7	7005 6 1
20507.541	4874.8934	265A0	30650 5	20550.886	4864.6115	215A0	20595.362	4855.1060	241A0	27600 7	7005 6 1
20508.796	4874.5951	278A0	8118 7	20552.144	4864.3136	229A0	20596.822	4853.7621	153B0	34164 6	13667 7 1
20509.558	4874.4140	241A0		20553.941	4863.8893	231A0	20597.667	4853.5157	237A0	30886 7	10288 6 1
20509.671	4874.3433	362A0	6249 6	20554.332	4863.7958	248A0	20597.667	4853.5157	237A0	30886 7	10288 6 1
20510.071	4874.2922	214B0		20554.756	4863.6950	213B0	20599.372	4853.4918	210A0	34000 6	13402 6 1
20511.440	4873.9668	230A0		20555.160	4863.6000	229A0	20599.372	4853.4918	210A0	34000 6	13402 6 1
20511.210	4873.7839	203A0		20555.234	4863.5824	248A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20512.504	4873.7141	274B0		20555.939	4863.4867	328A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20513.163	4873.5513	278A0	24968 3	20556.788	4863.2147	253A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20513.843	4873.3957	177B0		20557.055	4863.1491	195B0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20514.205	4873.3098	209A0	36758 7	20557.620	4863.0179	213B0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20515.533	4872.9943	234B0		20557.710	4862.9967	242A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20515.610	4872.9760	253A0	27421 6	20557.926	4862.9456	226A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20515.982	4872.8878	213B0		20558.391	4862.8356	220A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20516.404	4872.7875	221B0		20559.408	4862.5949	203B0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20516.950	4872.6578	220A0		20559.968	4862.5990	202B0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20517.498	4872.5277	218A0	30586 7	20560.360	4862.5507	254A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20518.994	4872.1725	212A0		20560.595	4862.5072	254A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20520.582	4871.7954	335A0	24974 4	20561.455	4862.1086	194B0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20521.260	4871.6343	253A0		20561.658	4862.1086	204A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20521.593	4871.5713	224A0		20562.698	4861.9241	322A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20521.758	4871.5153	203A0		20563.577	4861.6092	194A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20522.107	4871.4334	242A0	24322 6	20563.689	4861.5827	256A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20523.136	4871.0466	268A0	28367 4	20564.336	4861.4294	230A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20524.028	4870.9773	241A0		20565.473	4861.1609	305A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20524.469	4870.8727	221B0		20565.676	4861.1130	199B0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20525.394	4870.6533	289A0	20825 5	20565.744	4861.0948	205B0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20525.553	4870.6156	283A0		20565.785	4861.0872	207B0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20527.470	4870.1607	204B0	5762 5	20566.193	4860.9906	352A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20528.347	4869.9555	200B0		20567.009	4860.7940	193B0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20531.285	4869.2557	223A0		20567.163	4860.7615	233A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20532.174	4869.0448	313A0	24400 3	20568.172	4860.5230	251A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20532.622	4868.9395	237A0		20568.266	4860.5009	198B0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20532.727	4868.9136	216A0		20568.467	4860.4533	202B0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20532.961	4868.8533	174A0	24333 7	20571.258	4859.9499	277A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20533.233	4868.7837	237A0	5760 5	20571.658	4859.6122	366A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20533.373	4868.7666	237A0	26324 4	20572.032	4859.6111	201B0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20534.351	4868.4613	237A0	30455 5	20572.438	4859.3150	289A0	20600.322	4852.9374	237C8	27605 6	7005 6 1
20534.551	4868.4613	237A0	30455 5	20573.278	4859.3165	204B0	20600.322	4852.9374	237C8	27605 6	7005 6 1









SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
20943.115	4773.5042	21480		20963.668	4768.49241	19280		20986.821	4763.5630	17080	
20943.426	4773.4334	37240	20943 6 0 6 1	20963.771	4768.4907	17180		20987.362	4763.4403	20080	7 10280 6 1
20943.887	4773.3282	16880	31232 5 10288 6 1	20963.873	4768.7776	17880		20988.010	4763.3386	19880	28154 5 7166 4 2
20943.956	4773.3125	18980		20964.069	4768.7329	19508		20988.171	4763.2566	16980	
20944.252	4773.2451	17980		20964.368	4768.6450	37480	21594 6 620 5 1	20988.457	4763.1916	20740	29137 7 8118 7 1
20944.400	4773.2113	20780	33829 3 12884 4 1	20964.589	4768.6146	21880		20988.640	4763.1728	17680	31243 4 10254 5 1
20944.861	4773.1063	19980		20964.692	4768.5913	19480		20988.903	4763.0903	18780	28587 5 7598 5 2
20944.951	4773.0859	19380		20964.789	4768.5691	19480		20989.669	4763.0167	26440	
20945.284	4773.0098	22200	31630 7 10685 8 1	20964.878	4768.5489	16480		20989.927	4762.9905	32540	28635 8 7645 8 1
20945.069	4772.8311	17080		20964.974	4768.5247	32880	29476 6 8510 5 2	20990.377	4762.9581	19908	
20945.227	4772.7702	25880	21860 3 914 4 2	20964.992	4768.5046	16880		20990.520	4762.9347	17480	
20945.334	4772.6948	36440	33241 4 2294 5 2	20965.023	4768.48240	16880	31221 4 10254 5 1	20990.562	4762.9159	19780	
20945.687	4772.6008	36440	33241 5 2294 5 2	20965.298	4768.4240	15880	29099 5 8133 4 1	20990.831	4762.8938	18580	
20945.083	4772.6000	17880		20965.538	4768.3124	19880		20990.913	4762.8743	18580	
20945.270	4772.5529	19480		20965.955	4768.0766	19004		20991.055	4762.8543	23340	31199 3 10208 4 1
20945.743	4772.4495	25240	28811 6 7864 5 1	20966.132	4768.0464	23140		20991.125	4762.8344	23340	
20945.009	4772.3991	20840		20966.319	4767.9938	17880	27972 5 7005 6 1	20991.310	4762.8144	19980	
20945.271	4772.3596	20280		20966.639	4767.6937	18060		20991.389	4762.8265	19580	33353 5 12362 4 1
20945.686	4772.2340	19980		20966.742	4767.6703	21440	34315 8 13346 7 1	20991.725	4762.8502	18800	
20945.797	4772.2094	19480		20966.974	4767.5947	21408		20992.284	4762.8234	20140	
20945.111	4772.1380	17280		20969.143	4767.5791	22940		20992.554	4762.8261	17780	
20945.227	4772.1116	19880		20969.365	4767.5245	17180		20992.684	4762.8262	17580	
20945.434	4772.0639	19980		20970.139	4767.3527	17880		20992.848	4762.81954	18780	
20945.557	4772.0364	19180		20970.292	4767.3179	19480		20992.150	4762.8268	19080	35536 7 14543 6 1
20945.699	4772.0039	17480		20971.313	4767.0856	15908		20993.844	4761.9695	17680	
20950.839	4771.7450	21580	26713 5 5762 5 1	20971.451	4767.0543	22880		20994.288	4761.8869	17180	
20950.967	4771.7152	31240	28596 7 7645 5 1	20971.622	4767.0454	19880		20994.281	4761.8704	17780	
20951.453	4771.5590	17480		20972.136	4766.8987	19280	34507 9 13535 9 1	20994.369	4761.8504	18480	
20952.508	4771.3643	20940	33778 6 12826 7 1	20973.053	4766.6902	19580		20994.724	4761.7698	20480	
20952.503	4771.3516	20780		20973.322	4766.6290	19080		20994.908	4761.7282	16008	
20952.904	4771.2740	20940		20973.860	4766.5067	27140		20995.023	4761.7021	20180	
20953.042	4771.2426	24740	28817 5 7864 5 1	20974.105	4766.4510	28440	31182 5 10204 4 1	20995.060	4761.6890	21240	31736 6 10740 5 2
20953.148	4771.2185	21080	34080 9 13127 9 1	20974.343	4766.3971	19180		20995.213	4761.6591	18280	
20953.794	4771.0868	17740	29810 3 8856 2 1	20974.433	4766.3765	19480		20995.286	4761.6423	17680	
20953.894	4771.0481	19980	31301 7 10347 8 1	20974.746	4766.3053	19440		20995.503	4761.5932	16980	
20954.165	4770.9849	15808		20975.216	4766.1986	17480		20995.747	4761.5390	16780	
20954.615	4770.8844	19408		20975.483	4766.1379	18380		20995.911	4761.4962	18180	
20954.615	4770.8844	19408		20975.786	4766.0691	17480		20996.289	4761.4155	19780	
20954.673	4770.8713	17480		20976.176	4765.9597	20180	36688 7 15712 7 1	20977.893	4761.3102	13740	28860 6 7864 5 1
20954.822	4770.8374	19480	29476 6 8521 7 2	20976.279	4765.9370	17980	30859 3 9882 4 2	20978.695	4761.2549	16980	
20955.314	4770.8566	19980	31024 7 10069 7 1	20976.427	4765.8552	25140	28840 5 7864 5 1	20997.777	4761.0775	23840	26739 5 5762 5 1
20955.661	4770.8188	19980		20976.727	4765.7823	21980	34105 8 13127 9 1	20998.022	4761.0220	19380	34344 6 13345 7 1
20955.799	4770.8874	20640		20977.053	4765.7813	21980	31232 5 10254 5 1	20998.788	4760.9638	19080	26760 4 5762 5 1
20955.588	4769.9800	28740		20977.489	4765.6922	19400		21000.026	4760.9502	16580	
20955.848	4769.9079	19480		20978.309	4765.4960	19340		21000.766	4760.8542	17780	
20955.905	4769.9079	19480		20978.481	4765.4569	19180		21000.526	4760.8403	18980	
20955.905	4769.9079	19480	24760 7 3800 7 1	20979.766	4765.1650	17880		21000.746	4760.8043	19980	
20955.305	4769.9170	19608	24760 7 3800 7 1	20980.679	4764.9576	18380		21000.830	4760.8353	19980	
20955.667	4769.7345	21280	29288 7 7326 7 1	20980.822	4764.9251	19480		21001.055	4760.8343	28440	29119 8 8118 7 1
20959.923	4769.6762	20180		20981.615	4764.7451	17880		21002.148	4760.8365	16208	
20960.036	4769.5505	21340	25235 6 4275 5 1	20981.709	4764.7237	15880		21002.471	4760.8135	17180	
20960.205	4769.6122	23140	2151 3 7191 2 1	20982.116	4764.6311	17980	32615 6 11633 5 1	21002.875	4759.9218	17680	
20960.305	4769.5893	21680		20982.334	4764.5845	15880	31970 7 10987 6 1	21003.067	4759.8784	17980	
20960.385	4769.5712	22080	27965 7 7005 6 1	20983.526	4764.3545	15880		21003.249	4759.8371	24580	
20960.583	4769.5260	20380	32417 11487 6 1	20983.526	4764.3110	18180	27267 5 6283 6 2	21003.533	4759.7683	21840	33829 8 12826 7 1
20961.076	4769.4106	21360	32417 11487 6 1	20984.239	4764.1892	30840		21003.765	4759.7201	25280	
20961.718	4769.2678	35440	20961 3 0 4 2	20984.821	4763.9181	17080		21003.958	4759.6765	21080	25457 4 4453 4 1
20962.063	4769.1893	19980		20985.254	4763.9181	17080		21005.192	4759.3969	27640	31690 6 10685 8 1
20963.044	4768.9661	23680		20985.965	4763.7573	17080		21005.355	4759.3599	15480	
20963.400	4768.8851	16780		20986.436	4763.6503	17780	32955 6 11968 5 1	21005.576	4759.3098	17580	
				20986.745	4763.5804	17780					

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
21005.982	4759.2178	19280	21022.954	4755.3755	15380	21046.390	4750.0302	20240
21006.063	4759.1595	17188	21023.211	4755.3175	22080	21046.651	4750.0214	20940
21006.269	4759.1527	17480	21023.296	4755.2942	20040	21046.914	4749.9020	22240
21006.989	4758.8976	20340	21023.625	4755.2238	17480	21047.092	4749.9217	25740
21007.395	4758.8976	20340	21024.017	4755.1350	20340	21047.783	4749.7659	19840
21007.542	4758.8643	24580	21024.194	4755.0951	26940	21048.005	4749.7158	18040
21007.848	4758.7951	19980	21024.464	4755.0341	17480	21048.096	4749.6952	20340
21008.781	4758.5837	17440	21024.701	4754.9940	23640	21048.381	4749.6339	17940
21008.984	4758.5378	10780	21024.816	4754.9544	17480	21048.466	4749.6116	17540
21009.761	4758.3617	16780	21025.533	4754.7922	27040	21048.719	4749.5930	17840
21009.831	4758.3459	18540	21026.042	4754.6772	17080	21048.719	4749.5545	16980
21009.943	4758.3206	17480	21026.289	4754.6212	17680	21048.812	4749.5337	19740
21010.174	4758.2683	19880	21026.558	4754.5666	18380	21048.993	4749.4927	16980
21010.247	4758.2516	23140	21026.678	4754.5333	18280	21049.746	4749.3230	17440
21010.739	4758.1404	17080	21026.824	4754.4842	17580	21051.128	4749.0111	17380
21010.814	4758.1232	18280	21028.326	4754.0483	16080	21052.061	4748.8007	22440
21010.908	4758.1216	19480	21028.126	4753.9788	16480	21052.399	4748.7644	18240
21011.302	4758.0428	19140	21029.300	4753.9406	18140	21052.495	4748.7026	17240
21011.532	4757.9607	16840	21029.588	4753.8755	19340	21052.674	4748.6622	19540
21011.698	4757.9231	18480	21029.784	4753.8311	18340	21053.108	4748.5945	21140
21011.918	4757.8733	19480	21029.929	4753.7933	19340	21053.535	4748.5766	16180
21012.234	4757.8017	17440	21030.218	4753.7331	16980	21053.587	4748.4699	19140
21012.454	4757.7520	22840	21030.904	4753.6731	18780	21053.873	4748.3718	31540
21012.652	4757.7070	19180	21030.988	4753.5549	19540	21054.191	4748.3202	18240
21012.730	4757.6894	20280	21031.187	4753.5139	23480	21054.352	4748.2839	20640
21013.072	4757.6120	18180	21031.428	4753.4594	19340	21054.614	4748.2112	17440
21013.286	4757.5629	16580	21032.308	4753.2667	19140	21055.145	4748.1051	25340
21013.548	4757.5041	16680	21032.543	4753.2054	22740	21055.215	4748.0892	19780
21013.652	4757.4807	16580	21032.712	4753.1693	20040	21055.940	4747.8659	14080
21013.921	4757.4198	18980	21032.869	4753.1339	16680	21056.308	4747.8427	15840
21014.658	4757.2529	15840	21033.246	4753.0488	16680	21056.401	4747.8218	17140
21014.723	4757.2381	16080	21033.326	4753.0305	20040	21056.642	4747.7675	18240
21015.637	4757.0313	17880	21034.323	4752.8054	16880	21058.132	4747.4314	17980
21015.736	4757.0090	17040	21034.681	4752.7244	16360	21058.270	4747.4005	23940
21015.880	4756.9762	16140	21035.451	4752.5505	18040	21058.358	4747.3806	17780
21016.027	4756.9431	19480	21035.695	4752.4954	15768	21058.414	4747.3681	17740
21016.218	4756.8997	20980	21036.586	4752.2940	19440	21060.076	4746.9932	18640
21016.326	4756.8753	19080	21037.299	4752.1328	17980	21061.043	4746.7754	19340
21016.631	4756.8063	39240	21037.421	4752.1054	25140	21061.187	4746.7428	18340
21017.071	4756.7054	24580	21037.515	4752.0523	18080	21061.454	4746.6572	18340
21017.223	4756.6734	19780	21038.773	4751.8000	17480	21061.650	4746.6295	20240
21017.370	4756.6530	21280	21039.385	4751.6619	32640	21062.110	4746.5381	22140
21017.992	4756.6383	16840	21039.800	4751.5680	18240	21062.180	4746.4856	17140
21018.254	4756.4309	19380	21039.932	4751.5393	19340	21062.731	4746.3950	17680
21018.560	4756.2566	19380	21040.515	4751.4065	20140	21062.817	4746.3756	18340
21019.262	4756.2109	16380	21040.971	4751.3036	16480	21063.137	4746.3035	16740
21019.399	4756.1799	19880	21041.062	4751.2831	17480	21063.196	4746.2902	17040
21020.004	4756.0429	18980	21041.487	4751.1870	26840	21063.530	4746.2148	19040
21020.386	4755.9566	19780	21041.668	4751.1461	17480	21063.575	4746.2147	18380
21020.466	4755.9385	17780	21042.219	4751.0216	19040	21063.874	4746.1375	19840
21020.721	4755.8806	16480	21042.602	4750.9333	18380	21064.001	4746.1087	1940
21020.832	4755.8557	16180	21043.072	4750.8233	15880	21064.368	4746.0267	14440
21021.360	4755.7857	21740	21043.338	4750.7532	19340	21064.602	4745.9734	21640
21021.566	4755.6900	17980	21043.544	4750.7100	16980	21064.882	4745.9147	17640
21021.778	4755.6415	16880	21043.992	4750.6441	22640	21065.259	4745.8582	23440
21022.008	4755.5815	16880	21044.122	4750.5922	17380	21065.728	4745.7921	17080
21022.015	4755.5815	22580	21044.206	4750.5732	16680	21065.868	4745.6981	16440
21022.215	4755.5427	22440	21045.799	4750.2137	19764	21066.192	4745.6150	23340
21022.294	4755.5248	21580	21046.182	4750.1272	19268	21066.373	4745.5740	27740
21022.399	4755.5013	17480	21046.260	4750.1096	22740			

SIGMA	WL	I PS	CLASSIFICATION	ION	SIGMA	WL	I PS	CLASSIFICATION	ION	SIGMA	WL	I PS	CLASSIFICATION	ION
21066.451	4745.5567	192C8			21087.254	4740.9751	17980			21104.285	4737.0492	18340		
21066.681	4745.5046	17400			21087.428	4740.8341	17380			21105.513	4736.9480	18640		
21067.251	4745.3745	16740	31322	4 10254 5	21094.057	4740.6946	14940	31435	7 10347 6	21105.518	4736.7725	34640	24974	4 3860 3 1
21067.443	4745.3314	19140	28911	5 7864 5	21098.225	4740.6559	17700			21105.705	4736.7306	17740		
21067.556	4745.3078	17340			21098.474	4740.6004	9140			21105.907	4736.6851	17440		
21067.938	4745.2217	10740			21099.520	4740.5432	17340			21106.048	4736.6353	20840	24906	6 3800 7 1
21068.482	4745.0993	17740			21099.725	4740.4971	14680			21106.548	4736.5413	19040		
21069.229	4744.9310	18440	33176	2 12107 1	21099.840	4740.2938	23540			21106.724	4736.5018	18940		
21070.035	4744.7446	21040	33013	3 11943 3	21099.955	4740.2453	23140			21107.098	4736.4178	17780		
21070.127	4744.7298	20040	31358	7 10288 6	21099.886	4740.1445	22940	33916	6 12026 7	21107.209	4736.3930	17740		
21070.184	4744.7195	20240			21099.921	4740.0733	17140			21107.429	4736.3437	21940		
21070.434	4744.6598	19440			21092.340	4739.7319	17280			21107.550	4736.3164	22540		
21070.739	4744.5910	19440			21092.759	4739.6378	17640			21107.955	4736.2257	18840		
21070.801	4744.5770	18740			21092.821	4739.6278	19940			21108.265	4736.1561	17680		
21071.874	4744.3354	21490	29827	5 8755 6	21091.379	4739.6945	26040	28098	6 7005 6	21108.719	4736.0541	17040		
21072.052	4744.2934	33140	24940	4 3868 3	21091.463	4739.6796	18740			21108.871	4736.0201	18108		
			25492	5 4420 5	21091.550	4739.6599	17480			21108.945	4736.0034	21140	34644	8 13535 9 1
					21094.113	4739.5335	17540			21109.040	4735.9822	21440		
21072.126	4744.2781	22408			21094.270	4739.5262	21040	28739	8 7645 8	21109.175	4735.9519	19808		
21073.012	4744.0793	19690			21094.429	4739.2625	19340			21109.258	4735.9332	22740		
21073.130	4744.0527	26940	33899	8 12826 7	21094.599	4739.2469	18640			21109.345	4735.9136	21480		
21073.267	4744.0218	28240	25348	6 4275 6	21094.740	4739.1927	35140	31442	9 10347 6	21109.581	4735.8609	22540	31178	6 10069 7 1
21073.708	4743.9426	17690			21095.002	4739.1339	19340			21109.796	4735.8126	21240	28435	7 7326 7 1
21073.649	4743.8908	26140	27357	5 6283 6	21095.870	4738.9388	18280			21110.682	4735.6138	21040		
21074.574	4743.7277	18440			21096.451	4738.9083	18280			21111.429	4735.4462	17880		
21074.828	4743.6705	17240			21096.507	4738.7958	19940			21111.684	4735.3889	17740		
21075.499	4743.5194	35140	27324	7 6249 6	21096.968	4738.6922	21140	31166	7 10069 7	21112.308	4735.2596	20440	35656	7 14543 6 1
21075.699	4743.4744	19740			21097.957	4738.6725	21440			21112.781	4735.1829	17480		
21075.821	4743.4469	17840			21097.952	4738.6505	17440			21113.201	4735.0588	21140		
21075.947	4743.3637	20840			21097.810	4738.5928	21140	32387	5 11290 5	21113.308	4735.0448	20640	28118	7 7005 6 1
21076.491	4743.3037	19740	34844	8 13967 7	21097.886	4738.5759	20040			21114.078	4734.8820	18008		
21076.945	4743.1840	17140	31833	4 10557 3	21097.953	4738.4709	24508	31445	8 10347 6	21114.142	4734.8377	20640		
21077.026	4743.1750	21840			21098.098	4738.4384	35840	24986	3 3868 3	21114.652	4734.6786	18140		
21077.319	4743.1098	21040			21098.360	4738.3796	17680			21115.354	4734.5637	18140		
21077.939	4742.9703	17740			21098.568	4738.3104	31140	21078	5 0 6	21115.437	4734.5473	17840		
21078.737	4742.7916	25340			21098.870	4738.2649	19040			21117.132	4734.1672	19240		
21079.466	4742.6268	18140			21099.041	4738.2267	17840			21117.255	4734.1397	19840		
21079.630	4742.5899	21340			21099.112	4738.2107	20440			21117.443	4734.0976	20440	29236	6 8116 7 1
21079.850	4742.5404	19040			21099.206	4738.1896	17680			21117.614	4734.0593	22240	29236	6 6249 6 1
21080.098	4742.4845	23940	32537	7 11457 6	21099.414	4738.1428	17308			21117.743	4734.0303	17680	29236	7 8118 7 1
21080.191	4742.4637	19140			21099.496	4738.1243	18740			21117.935	4734.0023	23740		
21080.745	4742.3299	36240	25534	5 4453 4	21099.697	4738.0344	18640			21118.142	4733.9409	21640		
21081.037	4742.2733	17408	30323	3 9241 4	21099.810	4738.0080	20440			21119.386	4733.8620	20440		
21081.139	4742.2503	19140			21099.879	4737.9498	19240			21120.791	4733.8471	19540		
21081.373	4742.1976	21440			21100.279	4737.9485	19240			21120.866	4733.8304	17680		
21081.760	4742.1107	17840			21100.346	4737.9335	20840			21121.003	4733.2996	18140		
21082.344	4741.9792	18840			21101.694	4737.9104	17480			21121.403	4733.2100	19140		
21082.475	4741.9498	20840			21101.140	4737.7553	17180			21121.686	4733.1465	18740		
21082.592	4741.9234	17890			21101.242	4737.7323	18440			21122.559	4732.9509	18140	32412	6 11290 5 1
21082.988	4741.0345	19940			21101.324	4737.7140	17740			21122.679	4732.6999	17540		
21083.348	4741.7535	33440	24864	7 3600 7	21101.570	4737.6586	20080	31162	5 10081 5	21124.149	4732.5948	25440		
21083.946	4741.6189	19640	34486	5 13402 6	21101.750	4737.6194	33840			21124.304	4732.5599	28540	25577	4 4453 4 1
21084.546	4741.4819	20840	32392	8 11308 9	21101.833	4737.5996	23208			21124.953	4732.4145	29040	28451	8 7326 7 1
21084.771	4741.4334	17780	31339	5 10354 5	21102.023	4737.5570	18440			21125.066	4732.3893	19308		
21085.348	4741.3037	24540	28963	3 8878 3	21102.167	4737.5247	17180			21125.212	4732.3564	23840		
21085.456	4741.2794	23340			21102.284	4737.4994	19440			21125.347	4732.3174	19340	32802	6 11677 7 1
21085.695	4741.2256	28740			21102.872	4737.4337	17880	31206	2 10103 1	21125.526	4732.2462	19140		
21086.463	4741.0830	16940			21103.592	4737.2047	17680			21126.145	4732.1875	17640		
21086.864	4740.9427	18840			21103.667	4737.1834	19240			21126.318	4732.1687	21240		
21087.154	4740.8977	18240			21104.197	4737.0669	20440							

SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
21125.969	4731.9630	248A0		21148.624	4727.1176	39A0		21168.780	4722.6166	21A0	
21127.280	4731.8933	17A0		21148.880	4721.0803	17A0		21168.979	4722.5752	170A0	
21127.450	4731.8542	171A0		21148.485	4726.9252	170B0		21169.044	4722.5578	17A0	
21127.554	4731.8519	201A0		21148.841	4726.8457	250A0		21169.270	4722.5073	19A0	32802 6 11633 5 1
21127.687	4731.7574	177A0		21150.732	4726.6466	191A0		21169.439	4722.4696	173A0	29033 6 7864 5 1
21128.616	4731.5942	365A0	25714 6 4585 6 2	21151.372	4725.5035	183A0		21169.681	4722.4157	169A0	
21128.826	4731.5471	260A0		21151.480	4726.4793	173A0	31232 5 10081 5 1	21169.839	4722.3804	190A0	
21129.044	4731.4993	235A0		21151.694	4726.3891	239A0		21169.992	4722.3463	203A0	25445 7 4273 6 1
21129.357	4731.3396	171A0		21151.994	4726.3646	208A0	29285 4 8133 4 1	21170.164	4722.3079	168B0	
21130.329	4731.2106	204A0		21152.352	4726.2822	175A0	29256 3 7103 3 1	21170.341	4722.2683	17A0	
21130.830	4731.0992	170A0		21151.242	4726.1856	214A0	28798 7 7645 8 1	21170.615	4722.2073	230A0	
21131.074	4731.0436	181C8		21153.846	4725.9508	238A0		21170.697	4722.1891	169C8	
21131.274	4730.9988	332A0	31339 5 10208 4 1	21154.007	4725.9147	189A0		21171.292	4722.0564	205A0	34706 9 13535 9 1
21132.046	4730.8216	334A0		21154.485	4725.8080	191C8		21171.273	4725.0159	204A0	31728 4 10557 4 1
21132.566	4730.7740	179A0		21154.544	4725.7903	222A0	21154 4 0 4 2	21171.581	4721.9919	192A0	
21132.722	4730.7050	5A2C8		21154.906	4725.7138	170A0		21172.057	4721.8856	181A0	
21132.722	4730.6747	300A0	21753 4 620 5 1	21155.208	4725.6465	250A0		21172.444	4721.7993	188A0	32731 5 11556 4 1
21132.905	4730.6339	196C8	31490 6 10347 6 1	21155.413	4725.6007	251A0	33981 8 12926 7 1	21172.747	4721.7317	228A0	29683 5 8510 5 2
21132.969	4730.6195	187C8		21156.100	4725.4337	181A0	30034 4 8878 3 1	21173.287	4721.6114	191A0	
21133.051	4730.6012	177B0		21156.240	4725.4159	169C8		21173.373	4721.5921	176A0	
21133.405	4730.5219	173B0		21156.345	4725.3925	169A0		21173.569	4721.5440	163B0	
21133.533	4730.4932	184A0		21156.421	4725.3754	170B0		21173.716	4721.5156	192C8	
21134.683	4730.2358	217A0		21157.410	4725.1546	175A0		21173.798	4721.4974	241A0	
21135.151	4730.1311	262A0	31958 4 10819 3 1	21157.653	4725.1002	202A0		21173.905	4721.4735	175A0	
21135.342	4729.9820	174A0		21157.996	4725.0236	202A0		21174.183	4721.4116	202A0	34000 6 12826 7 1
21136.342	4729.8644	217A0		21158.048	4725.0121	190B0		21174.549	4721.3300	168A0	
21137.025	4729.7118	184A0		21158.508	4725.0111	181A0		21174.732	4721.2890	228A0	
21138.068	4729.5532	188A0		21158.642	4724.8794	254A0	28920 5 5762 5 1	21174.933	4721.2482	198A0	28341 4 7166 4 2
21138.068	4729.5256	210A0	24938 7 3800 7 1	21158.166	4724.7669	190A0		21175.002	4721.2289	179B0	
21138.173	4729.4548	181A0		21158.216	4724.7525	199A0	32562 4 11403 4 1	21175.103	4721.2085	174A0	
21138.583	4729.4303	179B0		21159.515	4724.4844	171A0		21175.426	4721.1344	186C8	
21138.385	4729.4073	183A0		21159.696	4724.6441	185A0		21175.516	4721.1143	4A2A0	
21138.451	4729.3926	176B0		21160.196	4724.5325	252A0		21176.081	4720.9884	194A0	
21138.777	4729.3198	208A0	28784 9 7645 8 1	21160.272	4724.5155	193A0		21176.227	4720.9557	170A0	
21139.209	4729.2230	175B0		21160.643	4724.4327	180A0		21176.546	4720.8848	183A0	
21139.788	4729.0935	204A0		21160.772	4724.4039	212A0		21176.758	4720.8374	179A0	29932 7 8755 6 2
21139.942	4729.0591	198A0		21160.998	4724.3534	186A0		21177.137	4720.7529	20A0	
21140.095	4729.0249	194A0		21161.078	4724.3354	213A0		21177.656	4720.6350	173A0	
21140.165	4729.0092	206A0		21161.142	4724.3212	190B0		21177.947	4720.5724	175B0	
21141.813	4728.7300	185A0		21161.307	4724.2845	191A0		21178.022	4720.5557	183A0	
21142.504	4728.6860	199A0		21161.471	4724.2479	207A0		21178.264	4720.5017	232A0	
21142.631	4728.6575	281A0		21161.564	4724.2269	175A0		21178.941	4720.3508	175A0	
21143.504	4728.2694	160A0		21161.700	4724.1967	176A0		21179.309	4720.2511	177B0	32469 5 11290 5 1
21143.531	4727.9538	194A0		21161.566	4724.0034	172A0		21179.457	4720.2337	189A0	
21145.741	4727.7621	189A0		21162.974	4723.9124	179C8		21179.673	4720.1876	182A0	
21145.807	4727.7473	206A0	27394 5 6249 6 1	21163.049	4723.8955	211A0		21180.102	4720.0920	207A0	34812 6 13632 5 1
21145.918	4727.7225	226A0		21163.123	4723.8789	184C8		21180.420	4720.0213	300A0	26581 4 5401 3 2
21146.208	4727.6578	351A0	21766 6 620 5 1	21164.084	4723.6645	200A0		21180.601	4719.9808	253A0	28347 3 7166 4 2
21146.483	4727.5963	199A0		21165.294	4723.3945	188A0	32842 6 11677 7 1	21180.684	4719.9623	189C8	
21146.605	4727.5690	201A0		21166.000	4723.3269	184A0		21180.827	4719.9304	170A0	29936 5 8755 6 2
21146.784	4727.5289	280A0	31435 7 10288 6 1	21166.115	4723.3112	185B0		21180.962	4719.9004	173A0	
21146.929	4727.4965	211A0		21166.910	4723.2620	177A0		21181.116	4719.8662	183A0	
21147.121	4727.4536	73B0		21167.114	4723.2360	176A0		21181.411	4719.8776	208A0	
21147.609	4727.4340	173B0	28152 7 7005 6 1	21167.286	4723.2343	195A0		21182.533	4719.8504	241A0	
21147.644	4727.3367	348A0		21167.303	4723.2016	184A0		21182.688	4719.8109	193A0	
21147.725	4727.3185	287C8		21167.900	4723.1828	264A0	31853 8 10645 8 1	21183.030	4719.7936	216A0	32472 6 11290 5 1
21147.838	4727.2934	186A0		21167.991	4723.1727	203C8		21183.133	4719.7416	167A0	
21147.861	4727.2658	181A0	34715 7 13567 7 1	21168.330	4723.1710	363A0	22917 5 1749 6 2	21183.406	4719.7358	168B0	
21148.369	4727.1745	183A0		21168.528	4723.1629	199B0		21183.667	4719.2976	243A0	
				21168.670	4723.1641	176B0		21183.761	4719.2767	168C8	

SIGMA	WL	I PS CLASSIFICATION ION	SI. MA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
21184.444	4719.226	18540	21198.345	4716.029	17080	21213.894	4712.372	18538
21184.564	4719.037	17340	21198.939	4715.877	21140	21214.018	4712.547	17040
21184.705	4719.064	22040	21199.054	4715.872	17140	21214.090	4712.528	17440
21184.993	4719.002	21940	21199.421	4715.706	19140	21214.229	4712.488	18040
21185.424	4718.905	24740	21199.493	4715.746	19140	21214.580	4712.428	16280
21185.917	4718.794	17680	21199.624	4715.754	22140	21215.178	4712.288	32340
21185.960	4718.789	18190	21199.741	4715.754	20940	21215.256	4712.270	23338
21186.050	4718.769	19038	21199.967	4715.691	34740	21215.589	4712.173	20638
21186.122	4718.758	24140	21200.187	4715.620	21740	21215.657	4712.181	25740
21186.761	4718.608	16538	21200.478	4715.555	20040	21215.938	4712.192	26140
21186.843	4718.567	20940	21200.706	4715.528	16740	21216.008	4712.097	19038
21186.953	4718.567	25240	21200.758	4715.432	20140	21216.345	4712.028	16440
21187.099	4718.532	16940	21200.948	4715.453	20181	21216.627	4711.968	16340
21187.239	4718.502	21940	21201.491	4715.302	17980	21216.825	4711.921	21340
21187.599	4718.420	27340	21201.655	4715.293	17640	21217.151	4711.889	26640
21188.242	4718.278	26040	21201.899	4715.234	27640	21217.290	4711.819	16780
			31728	4 10540	3 1	21217.362	4711.809	17040
						21217.468	4711.779	16540
21189.376	4718.247	20940	21202.335	4715.124	19780	21217.622	4711.745	21140
21188.710	4718.1745	21540	21202.518	4715.1018	19540	21219.534	4711.3206	21140
21188.774	4718.1603	19238	21202.938	4715.083	17440	21219.824	4711.2562	20340
21188.877	4718.1373	19140	21203.061	4714.9811	17380	21220.090	4711.1972	17740
21189.038	4718.1014	16740	21203.114	4714.962	17440	21221.252	4710.993	18540
21189.701	4717.9338	18238	21204.221	4714.7230	18940	21221.311	4710.9261	19540
21189.864	4717.9176	23580	21204.842	4714.5849	29440	21221.657	4710.8493	17440
21189.934	4717.9020	18880	21204.921	4714.5875	20138	21221.868	4710.8034	27740
21190.109	4717.8629	20838	21204.999	4714.5501	19980	21221.942	4710.7860	19438
21190.255	4717.8394	33940	21205.090	4714.5366	19380	21222.495	4710.6634	18140
21190.532	4717.7689	21040	21205.195	4714.5088	19140	21222.700	4710.6178	21640
21190.689	4717.7339	21040	21205.692	4714.4160	19738	21222.928	4710.5672	20240
21190.879	4717.6916	19640	21206.073	4714.3114	19740	21223.149	4710.5180	17540
21190.959	4717.6738	19840	21206.515	4714.2131	20138	21224.189	4710.2873	20340
21191.221	4717.6153	20440	21206.574	4714.1999	22540	21224.620	4710.1917	28740
21191.306	4717.5965	19240	21206.908	4714.1259	17440	21224.815	4710.1483	19640
21191.714	4717.5077	17740	21207.354	4714.0264	16740	21224.933	4710.1323	16140
21191.800	4717.4865	16740	21207.739	4713.9449	30340	21225.123	4710.1115	19440
21192.519	4717.3200	17480	21207.904	4713.8043	18840	21225.354	4710.0287	17881
21192.609	4717.3004	17340	21207.960	4713.8918	18680			
21192.677	4717.2913	17040	21208.220	4713.8673	21940	21225.737	4709.9439	18140
21192.845	4717.259	21440	21208.285	4713.8341	18238	21225.915	4709.9443	18340
21193.032	4717.2122	22840	21208.295	4713.8196	22340	21226.418	4709.728	21338
21193.623	4717.0806	17390	21208.439	4713.7854	19140	21226.487	4709.7773	26940
21193.741	4717.0545	17940	21208.510	4713.7697	19140	21226.566	4709.7597	18438
21193.880	4717.0235	16690	21208.865	4713.6907	19640	21226.885	4709.6891	17840
21193.932	4717.0119	18440	21208.927	4713.6769	19140	21227.454	4709.5628	18940
21194.232	4716.9452	19340	21209.230	4713.6096	20640	21227.726	4709.5024	22640
21194.292	4716.9319	19740	21209.356	4713.5816	17340	21228.094	4709.4208	16740
21194.373	4716.9137	21250	21209.614	4713.5241	17040	21228.384	4709.3565	29940
21194.637	4716.8106	21140	21209.654	4713.4487	21840	21228.556	4709.3184	22640
21195.055	4716.7620	19738	21210.159	4713.4032	19680	21229.182	4709.1795	17240
21195.124	4716.7467	23840	21210.234	4713.3863	21840	21229.640	4709.0734	19440
21195.600	4716.5961	20940	21210.302	4713.3713	19538	21229.761	4709.0510	20440
21196.404	4716.418	17780	21210.677	4713.2613	1940	21229.971	4709.0032	21740
21196.330	4716.338	24940	21210.877	4713.0657	17340	21230.041	4708.9800	19538
21196.533	4716.3693	18140	21211.922	4712.9980	25240	21230.172	4708.9599	18140
21196.984	4716.3327	26940	21212.620	4712.8074	19240	21230.560	4708.8737	17280
21197.214	4716.2616	16890	21212.840	4712.8074	19240	21230.677	4708.8479	19080
21197.524	4716.2125	17440	21213.219	4712.7231	18240	21231.523	4708.4852	17640
21197.931	4716.1220	18040	21213.398	4712.6926	19340	21233.047	4708.3223	21740
21198.224	4716.0568	16740	21213.810	4712.5918	27840	21233.196	4708.2891	19740

I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION	
SIGMA	WL	SIGMA	WL	SIGMA	WL	SIGMA	WL
21233.275	4706.2717	21248.073	4704.9926	21264.792	4701.2933	21265.092	4701.2933
21233.391	4706.2861	21248.410	4704.9179	21265.092	4701.2933	21265.092	4701.2933
21233.594	4706.2010	21249.847	4704.8212	21265.317	4701.1772	21265.317	4701.1772
21233.802	4706.1548	21249.915	4704.8061	21265.622	4701.1442	21265.622	4701.1442
21233.897	4706.1337	21249.014	4704.7841	21265.622	4701.1099	21265.622	4701.1099
21234.103	4706.0881	21249.293	4704.7236	21265.776	4701.0757	21265.776	4701.0757
21234.220	4706.0621	21249.575	4704.7068	21265.968	4701.0334	21265.968	4701.0334
21235.351	4707.8070	21249.747	4704.6555	21266.131	4700.9973	21266.131	4700.9973
21235.491	4707.7803	21249.987	4704.6219	21266.235	4700.9743	21266.235	4700.9743
21236.052	4707.6561	21250.987	4704.5689	21266.235	4700.9615	21266.235	4700.9615
21236.303	4707.6003	21250.416	4704.4739	21266.450	4700.9269	21266.450	4700.9269
21236.430	4707.5701	21250.494	4704.4565	21266.747	4700.8611	21266.747	4700.8611
21236.489	4707.5391	21250.785	4704.3923	21266.822	4700.8447	21266.822	4700.8447
21236.697	4707.5173	21251.237	4704.2921	21267.311	4700.7366	21267.311	4700.7366
21236.947	4707.4576	21251.318	4704.2741	21267.311	4700.7051	21267.311	4700.7051
21237.045	4707.4360	21251.396	4704.2593	21267.535	4700.6871	21267.535	4700.6871
21237.100	4707.4237	21251.590	4704.2125	21267.737	4700.6424	21267.737	4700.6424
21237.181	4707.4058	21251.654	4704.1986	21268.109	4700.5602	21268.109	4700.5602
21237.279	4707.3841	21251.654	4704.1986	21268.402	4700.4953	21268.402	4700.4953
21237.407	4707.3557	21252.827	4703.9401	21268.402	4700.4513	21268.402	4700.4513
21237.498	4707.3353	21253.159	4703.8466	21268.935	4700.3997	21268.935	4700.3997
21237.629	4707.3065	21253.566	4703.8466	21269.250	4700.3997	21269.250	4700.3997
21237.726	4707.2869	21253.971	4703.6870	21270.255	4700.3660	21270.255	4700.3660
21238.455	4707.1234	21254.331	4703.6073	21270.355	4700.3660	21270.355	4700.3660
21238.703	4707.0683	21254.461	4703.5785	21270.450	4700.3362	21270.450	4700.3362
21239.370	4706.9206	21254.702	4703.5251	21270.838	4699.9571	21270.838	4699.9571
21240.050	4706.7698	21255.005	4703.4582	21271.490	4699.8130	21271.490	4699.8130
21240.209	4706.7346	21255.454	4703.3587	21271.619	4699.7844	21271.619	4699.7844
21240.290	4706.7166	21255.662	4703.3128	21271.697	4699.7673	21271.697	4699.7673
21240.507	4706.6695	21255.813	4703.2794	21271.757	4699.7541	21271.757	4699.7541
21240.624	4706.6378	21257.242	4702.9632	21272.117	4699.6577	21272.117	4699.6577
21240.904	4706.5806	21257.416	4702.9247	21272.193	4699.6577	21272.193	4699.6577
21240.972	4706.5676	21257.579	4702.8886	21272.274	4699.6107	21272.274	4699.6107
21241.023	4706.5542	21258.494	4702.6862	21272.406	4699.6107	21272.406	4699.6107
21241.192	4706.5147	21258.737	4702.6325	21272.915	4699.5982	21272.915	4699.5982
21241.527	4706.4426	21259.281	4702.5131	21273.016	4699.5759	21273.016	4699.5759
21241.743	4706.3950	21259.487	4702.4955	21273.057	4699.5759	21273.057	4699.5759
21242.395	4706.2503	21259.921	4702.3708	21273.788	4699.5044	21273.788	4699.5044
21242.926	4706.1326	21259.921	4702.3708	21274.979	4699.4423	21274.979	4699.4423
21243.012	4706.1002	21260.131	4702.3241	21275.403	4699.4423	21275.403	4699.4423
21243.308	4706.0829	21260.367	4702.2719	21275.496	4699.4280	21275.496	4699.4280
21243.692	4706.0860	21260.520	4702.2575	21275.961	4699.4280	21275.961	4699.4280
21243.841	4706.9300	21260.520	4702.2379	21276.125	4699.7891	21276.125	4699.7891
21244.143	4706.8630	21260.615	4702.1727	21276.231	4699.7656	21276.231	4699.7656
21244.609	4706.8040	21261.005	4702.1307	21276.439	4699.7199	21276.439	4699.7199
21245.000	4706.6717	21261.158	4702.0970	21277.037	4699.5876	21277.037	4699.5876
21245.333	4706.5993	21261.291	4702.0675	21277.808	4699.4173	21277.808	4699.4173
21245.412	4706.5919	21261.423	4702.0320	21277.860	4699.4061	21277.860	4699.4061
21245.631	4706.5334	21261.649	4701.9441	21278.058	4699.3621	21278.058	4699.3621
21245.699	4706.5185	21261.941	4701.9238	21278.391	4699.2688	21278.391	4699.2688
21245.794	4706.4744	21262.080	4701.8931	21278.625	4699.2346	21278.625	4699.2346
21245.897	4706.4374	21262.173	4701.8747	21278.691	4699.2346	21278.691	4699.2346
21245.958	4706.4161	21262.600	4701.7337	21279.594	4699.1841	21279.594	4699.1841
21246.071	4706.2853	21263.135	4701.6596	21279.898	4699.9312	21279.898	4699.9312
21247.091	4706.2088	21263.397	4701.6018	21279.988	4699.9361	21279.988	4699.9361
21247.145	4706.1981	21263.612	4701.5943	21280.048	4699.9186	21280.048	4699.9186
21247.390	4706.1439	21264.403	4701.5793	21280.352	4699.8779	21280.352	4699.8779
21247.431	4706.1303	21264.480	4701.5654	21280.366	4699.8528	21280.366	4699.8528
21247.955	4706.0188	21264.627	4701.5297	21280.366	4699.8528	21280.366	4699.8528



SIGMA	WL	I	PS	CLASSIFICATION	ION	SIGMA	WL	I	PS	CLASSIFICATION	ION	SIGMA	WL	I	PS	CLASSIFICATION	ION
21281.224	4697.6632	206A0		29557	5 8276 6	2	21296.377	4694.3206	205A0			21310.307	4691.2520	314A0		27072	6 5762 5 1
21282.127	4697.4640	161R0					21296.718	4694.2456	185A0			21310.402	4691.2311	215C8			
21282.273	4697.4318	203A0		29400	6 8118 7	1	21296.929	4694.1991	173A0			21310.652	4691.1762	166A0			
21282.357	4697.4132	176A0					21297.066	4694.1649	166A0			21310.853	4691.1319	222A0			
21282.474	4697.3864	160CA					21297.224	4694.1341	145A0		34644	8 13346 7	1	21311.118	4691.0736	187A0	
21282.871	4697.2497	164R0					21297.409	4694.0932	183A0			21311.350	4691.0225	190A0			
21283.024	4697.2460	171CA					21297.510	4694.0710	145A0		31837	3 10540 3	1	21311.504	4690.9895	165A0	
21283.099	4697.2493	221A0					21297.680	4694.0335	203A0		27581	6 6283 6	2	21311.726	4690.9398	162A0	34846 9 13535 9 1
21283.273	4697.2220	184A0					21298.036	4693.9550	152B0			21311.801	4690.9233	159A0		32944 5 11633 5 1	
21283.369	4697.1899	223A0					21298.137	4693.9329	167A0			21311.881	4690.9057	169A0			
21284.020	4697.0462	213A0		28387	4 7103 3	1	21298.258	4693.9060	164R0			21312.074	4690.8832	195A0			
21284.174	4697.0114	165A0					21298.753	4693.7970	212A0		27860	4 5762 5	1	21312.286	4690.8166	175A0	
21284.333	4694.9770	149B0		32574	5 11290 5	1	21298.845	4693.7768	174A0			21312.597	4690.7480	191C8			
21284.407	4696.9607	182A0					21298.983	4693.7464	174A0			21312.656	4690.7350	218A0			
21284.602	4696.9178	183A0		38712	9 17428 8	1	21299.194	4693.6999	314A0			21312.772	4690.7095	196A0			
21284.941	4696.8429	166A0					21299.287	4693.6764	207C8			21313.070	4690.6438	163A0			
21285.144	4696.7481	222A0					21299.390	4693.6567	165R0			21313.241	4690.6062	163A0			
21285.244	4696.7750	181A0		32742	5 11457 6	1	21299.448	4693.6439	167B0			21313.507	4690.5477	187A0			
21285.516	4696.7160	199A0					21299.505	4693.6312	165A0			21313.856	4690.4709	210A0		33282 6 11968 5 1	
21285.952	4696.6199	178A0					21299.659	4693.5973	203A0			21314.200	4690.3952	175A0			
21286.111	4696.5847	208A0					21300.022	4693.5174	170B0			21314.607	4690.3057	162B0			
21286.464	4696.5060	205A0					21300.127	4693.4942	205A0			21314.692	4690.2849	153B0			
21286.544	4696.4883	210A0					21300.251	4693.4668	191A0			21314.831	4690.2564	162A0			
21286.765	4696.4403	161R0					21300.337	4693.4449	203A0			21315.174	4690.1808	231A0			
21287.151	4696.3552	160B0					21300.448	4693.4235	161B0		32777	7 11677 7	1	21315.498	4690.1095	225A0	30941 7 9626 6 2
21287.239	4696.3359	174A0					21301.111	4693.2774	230A0			21315.946	4690.0109	199A0			
21287.925	4696.1845	216A0					21301.708	4693.2339	188A0		28627	6 7324 7	1	21316.137	4689.9690	167A0	
21288.336	4696.0938	163CA					21302.036	4693.0737	179A0			21316.281	4689.9373	182A0			
21288.444	4696.0691	236A0		28455	3 7166 4	2	21302.408	4692.9916	238A0			21316.442	4689.9020	182A0			
21288.564	4696.0436	203A0		31974	8 10685 8	1	21302.857	4692.8928	197A0			21316.645	4689.8572	248A0		29827 5 8510 5 2	
21288.704	4696.0117	173A0					21302.980	4692.8657	158A0			21316.811	4689.8208	156C8			
21289.545	4695.8183	179A0					21303.919	4692.6549	219A0		29683	5 8379 4	2	21316.888	4689.8037	178A0	
21289.941	4695.7398	138CA					21304.061	4692.6275	142A0			21317.053	4689.7674	160R0			
21290.154	4695.6920	237A0					21304.561	4692.5174	193A0			21317.131	4689.7502	180A0			
21290.417	4695.6349	311A0		28936	9 7645 8	1	21304.908	4692.4448	204A0		29684	3 8379 4	2	21317.682	4689.6291	175B0	
21290.409	4695.5483	197A0					21305.040	4692.4120	268A0		25580	6 4274 6	1	21317.740	4689.6162	184A0	
21290.891	4695.5302	215A0					21305.105	4692.3976	200C8			21318.023	4689.5541	147C8			
21291.012	4695.5036	173A0					21305.267	4692.3619	182A0			21318.349	4689.4824	162B0			
21291.122	4695.4794	168A0					21305.399	4692.3329	163B0			21318.565	4689.4348	167A0			
21291.404	4695.4163	196A0					21305.711	4692.2642	178A0			21318.630	4689.4205	176A0			
21291.523	4695.3910	156R0					21305.895	4692.2237	164A0			21319.028	4689.3330	160B0			
21291.684	4695.3549	179A0					21305.987	4692.2033	145A0			21319.195	4689.2963	218A0			
21291.829	4695.3235	272A0		25745	5 4453 4	1	21306.101	4692.1783	152C8			21319.264	4689.2811	259A0			
21291.911	4695.3053	190CA					21306.361	4692.1208	190A0			21319.424	4689.2460	167A0			
21292.043	4695.2719	202CA					21306.525	4692.0849	177A0			21319.582	4689.2111	161A0			
21292.287	4695.2225	351A0		25140	3 3868 3	1	21306.565	4692.0761	177A0			21319.724	4689.1799	190A0			
21292.527	4695.1650	197R0					21306.674	4692.0519	193A0			21319.965	4689.1313	206C8			
21292.604	4695.1526	226A0					21306.935	4691.9944	225A0		30860	5 9553 5	2	21320.027	4689.1132	239B0	
21292.763	4695.1175	244A0		25713	4 4420 5	2	21307.333	4691.9068	167A0			21320.204	4689.0744	369A0		21320 3 0 4 2	
21292.828	4695.1031	208B0					21307.458	4691.8794	187A0			21320.294	4689.0545	257C8			
21293.184	4695.0246	241A0		25714	6 4420 5	2	21307.723	4691.8211	186A0		34669	5 13361 6	1	21320.394	4689.0326	218A0	
21294.114	4694.8195	193A0					21307.922	4691.7772	159C8			21320.429	4689.0248	195B0			
21294.224	4694.7954	168A0					21308.305	4691.6751	172A0		30550	5 9241 4	2	21320.577	4689.9924	214A0	32997 6 11677 7 1
21294.352	4694.7671	165B0					21308.528	4691.6437	168A0			21320.767	4689.9461	172A0			
21294.483	4694.7381	197CA					21308.782	4691.5877	189A0			21321.774	4689.7292	204A0			
21294.653	4694.7007	331A0		29413	8 8118 7	1	21309.317	4691.4701	272A0		28635	8 7324 7	1	21322.516	4689.5659	165A0	
21295.665	4694.6777	176A0					21309.498	4691.4302	180C8			21322.728	4689.5192	259A0		32310 7 10987 6 1	
21295.750	4694.4588	178A0					21309.640	4691.3988	203A0		31518	5 10204 4	1	21322.871	4689.4877	163B0	
21296.231	4694.3528	195A0					21309.792	4691.3655	187A0			21323.443	4689.3620	198A0			
21296.315	4694.3344	205A0					21310.001	4691.3194	163A0			21323.564	4689.3354	248A0		29442 7 8116 7 1	

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
21323.914	4688.2586	16340	21338.126	4685.1358	16640	21349.526	4682.6361	17240
21324.011	4688.2531	17240	21338.240	4685.1108	16440	21349.743	4682.5865	20540
21324.203	4688.1949	15840	21338.310	4685.0954	16240	21349.913	4682.5493	15640
21324.490	4688.1318	15400	21338.410	4684.9857	15840	21350.029	4682.5238	17940
21324.560	4688.1208	16140	21338.485	4684.9253	19140	21350.131	4682.5015	16240
21324.712	4688.0830	17740	21339.178	4684.9049	19240	21350.602	4682.3982	18440
21325.014	4688.0166	21540	21339.423	4684.8510	18140	21350.652	4682.3871	18440
21325.220	4687.9714	18540	21339.495	4684.8354	18340	21350.723	4682.3716	17240
21325.394	4687.9331	19240	21339.695	4684.7914	15880	21350.894	4682.3341	20140
21325.466	4687.9172	15180	21339.835	4684.7606	15200	21351.045	4682.3009	20540
21325.833	4687.8367	19040	21339.977	4684.7295	16340	21351.210	4682.2647	16640
21325.977	4687.8050	22440	21340.054	4684.7126	15880	21351.271	4682.2515	16000
21326.340	4687.7251	13280	21341.331	4684.6518	8240	21351.359	4682.2327	15140
21326.662	4687.6646	23740	21341.501	4684.6235	9400	21351.359	4682.1967	17140
21327.222	4687.5973	19640	21341.557	4684.6044	10540	21351.689	4682.1598	20640
21327.422	4687.5295	16080	21341.800	4684.5246	13780	21351.862	4682.1219	24440
21327.466	4687.4633	21540	21341.988	4684.5076	19340	21352.116	4682.0857	19540
21327.669	4687.4330	25040	21341.984	4684.4953	15600	21352.245	4682.0379	21080
21327.866	4687.3988	16340	21341.219	4684.4569	25400	21352.422	4681.9990	34740
21328.000	4687.3693	18340	21341.291	4684.4410	19500	21352.516	4681.9783	25100
21328.257	4687.3038	14880	21341.507	4684.3840	16540	21352.612	4681.9573	18580
21328.481	4687.2545	22740	21341.807	4684.3278	15740	21352.846	4681.9060	14940
21328.705	4687.2054	16780	21341.896	4684.3082	17240	21353.020	4681.8679	17040
21328.770	4687.1910	15880	21342.007	4684.2839	14300	21353.272	4681.8126	19740
21329.204	4687.0957	15140	21342.122	4684.2586	16840	21353.341	4681.7976	24140
21329.362	4687.0610	15940	21342.253	4684.2299	17740	21353.477	4681.7808	18580
21329.815	4686.9415	22080	21342.501	4684.2104	17280	21353.625	4681.7551	16940
21329.985	4686.9233	35440	21342.706	4684.1304	13000	21353.625	4681.7129	25340
21330.167	4686.8680	20480	21343.026	4684.0502	23240	21354.067	4681.6384	15980
21330.232	4686.8533	19840	21343.186	4684.0252	17840	21354.262	4681.5957	19440
21330.307	4686.8393	19840	21343.358	4683.9654	18740	21354.474	4681.5492	17240
21330.536	4686.8031	21240	21343.636	4683.9263	30340	21354.597	4681.5221	13600
21330.593	4686.7906	18840	21343.859	4683.8774	15280	21354.828	4681.4716	20740
21330.719	4686.7628	16580	21343.934	4683.8609	14980	21355.059	4681.4208	16340
21330.925	4686.7176	18840	21343.965	4683.8533	15700	21355.244	4681.3802	17640
21331.147	4686.6589	24840	21344.127	4683.8186	16240	21355.495	4681.3254	14080
21331.416	4686.6098	18840	21344.393	4683.7702	16040	21355.587	4681.3050	17400
21331.999	4686.4816	18040	21344.769	4683.6780	16240	21355.705	4681.2794	28740
21332.474	4686.3771	18040	21345.120	4683.6006	17440	21355.864	4681.2445	21440
21332.690	4686.3297	16340	21345.219	4683.5749	22240	21355.933	4681.2192	22940
21332.752	4686.3162	16240	21345.443	4683.5219	5640	21356.239	4681.1623	18080
21333.453	4686.1142	17040	21346.048	4683.3972	65280	21356.357	4681.1363	26940
21334.693	4685.8897	19740	21346.198	4683.3664	17440	21356.453	4681.1154	16000
21335.044	4685.8128	30140	21346.372	4683.3256	17640	21356.742	4681.0520	30740
21335.199	4685.7787	21440	21346.538	4683.2896	19240	21356.816	4681.0358	21400
21335.443	4685.7200	30240	21346.604	4683.2750	15740	21356.961	4681.0040	15180
21335.631	4685.6838	27840	21346.738	4683.2457	16940	21357.230	4680.9450	25540
21335.859	4685.6337	19240	21347.067	4683.1736	15340	21357.361	4680.9163	23340
21336.240	4685.5501	17240	21347.382	4683.1045	15940	21357.416	4680.9042	21080
21336.368	4685.5220	22140	21347.468	4683.0855	16740	21357.614	4680.8609	14780
21336.696	4685.4954	24240	21347.714	4683.0317	21940	21358.438	4680.6902	18540
21336.696	4685.4499	18440	21348.164	4682.9229	14300	21358.610	4680.6426	15740
21336.916	4685.4015	15240	21348.322	4682.8929	15740	21358.729	4680.6169	17140
21337.033	4685.3760	16040	21348.488	4682.8179	5180	21359.765	4680.3951	26440
21337.385	4685.3053	16940	21348.588	4682.8037	3840	21390.001	4680.3577	16380
21337.452	4685.2905	16940	21348.753	4682.8037	3840	21360.200	4680.2764	17740
21337.723	4685.2283	17000	21349.022	4682.7447	13400	21360.861	4680.1493	27340
21337.866	4685.1631	31640	21349.123	4682.7225	17400	21360.938	4680.1324	17600
21337.936	4685.1775	22700	21349.216	4682.7022	19240	21361.059	4680.1058	15540
			21349.317	4682.6801	14380			

SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
21361.309	4680.0511	20540		21377.230	4676.5654	17140		21370.521	4673.6597	15540	
21361.713	4679.9625	19490		21377.317	4676.5466	16340		21391.616	4673.4205	14740	
21361.806	4679.9422	16740		21377.473	4676.5124	22400		21391.632	4673.4039	14480	
21362.293	4679.8355	15440		21377.582	4676.4866	16400		21391.722	4673.3821	14880	
21362.585	4679.7716	19640		21377.688	4676.4655	20540		21392.753	4673.1720	16340	
21362.757	4679.7330	17240		21378.033	4676.3900	12380		21392.971	4673.1245	20540	31083 5 9690 4 2
21362.999	4679.6800	15040		21378.286	4676.3146	17140		21393.267	4673.0599	18440	
21363.080	4679.6676	15440		21378.554	4676.2759	26140		21393.663	4672.9294	13980	
21363.242	4679.6277	18840		21378.749	4676.2333	17260	27370 4	5991 4	1		
21363.318	4679.6110	16840		21378.941	4676.1913	16680		21394.154	4672.8661	15440	
21363.567	4679.5565	16440		21379.293	4676.1483	16140		21394.333	4672.8270	15440	
21363.797	4679.5061	17740		21379.403	4676.0903	16740	34507 9	13127 9	1		
21364.045	4679.4517	19240		21379.639	4676.0366	13980		21395.235	4672.6299	18368	
21364.453	4679.3624	19540		21379.743	4676.0158	17940	32870 6	11290 5	1		
21364.681	4679.3124	17980		21379.826	4675.9977	16340		21395.300	4672.6158	23240	
21364.794	4679.2649	20240		21380.102	4675.9373	25140		21395.579	4672.5548	16940	
21364.955	4679.2525	17640		21380.243	4675.9064	27740		21396.000	4672.4628	18868	20490 4 7103 3 1
21365.201	4679.0454	19040		21380.498	4675.8500	15440		21396.182	4672.4232	14840	
21365.294	4678.9740	15440		21380.908	4675.7611	14180		21396.374	4672.3813	14680	
21365.294	4678.9740	15440		21381.227	4675.6914	17240		21396.420	4672.3711	16440	
21365.431	4678.9245	15840		21381.416	4675.6495	19440		21396.758	4672.2971	28000	26472 7 4275 6 1
21365.737	4678.8557	22440		21381.698	4675.5984	16440		21397.150	4672.2119	13868	29550 4 8133 4 1
21365.332	4678.7318	19340		21381.908	4675.5424	15940		21397.273	4672.1649	18740	
21365.453	4678.7054	17180		21382.321	4675.4821	23140		21397.466	4672.1428	19340	
21365.621	4678.6687	31540	29013 8	7645 8	1	21382.702	4675.3687	18140			
21365.863	4678.6157	13880		21382.906	4675.3241	19340		21397.519	4672.1094	16540	
21366.014	4678.5628	16940		21382.974	4675.3094	21140		21397.756	4672.0794	14568	
21366.356	4678.5078	16640		21393.070	4675.2974	19480		21397.815	4672.0665	16540	
21366.454	4678.4863	19640	29232 5	7864 5	1	21393.127	4675.2758	14180			
21366.512	4678.4603	17140		21393.954	4675.0951	17140		21398.206	4671.9811	15168	
21366.996	4678.3677	20640		21394.409	4674.9956	18640	27033 5	6249 6	1		
21367.132	4678.3339	22240		21394.587	4674.9545	19840	29503 7	8114 7	1		
21367.322	4678.2962	23040		21394.816	4674.9046	14168		21398.582	4671.8992	16840	
21367.550	4678.2222	19640		21394.970	4674.8729	16940		21398.685	4671.8330	18340	32366 6 10987 6 1
21370.557	4678.0267	14380		21395.188	4674.8252	12440		21399.184	4671.7676	20840	31487 6 10286 6 1
21370.891	4677.9524	15340		21395.299	4674.8009	19240		21399.324	4671.6695	18340	
21371.001	4677.9287	18440		21395.476	4674.7624	15280		21399.746	4671.6459	15740	
21371.139	4677.8993	25940		21395.595	4674.7363	13680		21399.895	4671.6125	16340	
21371.261	4677.8716	17440		21395.714	4674.7103	16140		21400.198	4671.5863	15340	
21371.384	4677.8447	13168		21395.840	4674.6827	15668		21400.470	4671.5670	17940	
21371.515	4677.8162	15464		21395.960	4674.6534	27340	27148 4	5762 5	1		
21371.651	4677.7863	22440		21396.269	4674.5990	19340	29250 4	7864 5	1		
21371.870	4677.7385	31440	29236 6	7864 5	1	21396.269	4674.5990	19340	32944 5	11598 4	
21372.023	4677.7049	17080		21396.588	4674.5191	13980	31467 6	10081 5	1		
21372.104	4677.6872	15980		21396.736	4674.4868	14080		21401.308	4671.3039	17100	
21372.534	4677.5931	14568		21396.842	4674.4637	15440		21401.621	4671.2579	16140	
21372.822	4677.5301	29040		21397.217	4674.3918	14340		21401.921	4671.2357	23640	27450 6 4249 6 1
21372.993	4677.4949	16940		21397.454	4674.3599	21940	37031 9	16244 8	1		
21373.093	4677.4708	15740		21397.732	4674.2991	17540		21402.879	4671.0484	23640	27450 6 4249 6 1
21373.306	4677.4124	18140		21397.943	4674.2330	26840	31814 5	9626 6	2		
21373.410	4677.4000	14440		21398.023	4674.2064	24440		21403.429	4670.9875	20240	
21373.476	4677.3771	18440		21398.151	4674.1777	18140		21403.622	4670.8208	21540	27394 5
21373.526	4677.3510	14164		21398.321	4674.1494	15840	38286 4	8878 3	1		
21373.584	4677.3264	20940		21398.443	4674.1138	15880		21403.929	4670.7319	22440	
21373.788	4677.1065	23040	31722 7	10347 8	1	21398.305	4673.9255	14680	21404.152	4670.6854	12968
21373.927	4677.0695	18340		21398.473	4673.8897	23480		21404.378	4670.6345	15840	
21374.060	4676.8697	18840		21398.977	4673.7787	17440		21404.562	4670.5981	17240	
21374.105	4676.8116	24340	31448 8	10069 7	1	21399.195	4673.7316	21440	21404.886	4670.5232	17688
21374.476	4676.7306	14440		21399.381	4673.6903	16840		21405.122	4670.4717	15380	
21374.642	4676.6265	17440		21399.462	4673.6726	15880		21405.597	4670.3681	21040	

SIGMA		I PS CLASSIFICATION ION		SIGMA		I PS CLASSIFICATION ION		SIGMA		I PS CLASSIFICATION ION	
21405.746	4670.2310	16940		21419.839	4647.4805	15380		21431.194	4664.7897	15780	
21405.989	4670.2028	16240		21419.971	4647.4517	16140		21431.308	4664.7475	19440	
21406.079	4670.2628	17240		21419.957	4647.5091	18840		21431.750	4664.6675	16340	
21406.256	4670.2221	17940		21419.437	4647.3503	15180		21431.911	4664.6037	23940	
21406.572	4670.1661	16140		21419.594	4647.3228	15440	30276 3	21432.060	4664.6011	17540	
21406.864	4670.0713	16940		21419.707	4647.2909	16180		21432.185	4664.5740	14940	
21406.957	4670.0713	16540		21419.867	4647.2784	15480		21432.399	4664.5275	21840	
21407.110	4670.0382	21240		21419.853	4647.2595	15740		21432.692	4664.4837	14880	
21407.192	4670.0280	16180	31498 5	21419.942	4647.2401	17240		21432.959	4664.4056	14440	
21407.452	4669.9632	13528		21420.158	4647.1931	24540	34049 6	21433.102	4664.3744	18740	
21407.554	4669.9402	14540		21420.434	4647.0894	14940	28587 5	21433.352	4664.3201	14940	
21407.745	4669.8995	15740		21420.599	4647.0753	17440		21434.142	4664.1480	17140	
21408.262	4669.7845	14480		21420.782	4647.0703	15440		21434.291	4664.1156	20540	
21408.505	4669.7137	20940		21420.989	4646.9603	15740	29285 4	21434.434	4664.0447	20740	34344 6
21408.665	4669.6986	18224		21421.253	4646.8492	23280		21434.536	4664.0425	15428	
21408.720	4669.6844	16840		21421.723	4646.7521	35240	21716 6	21434.742	4664.0394	18440	
21408.855	4669.6572	14181		21421.950	4646.6921	19428		21434.915	4664.0398	17840	25235 6
21409.021	4669.6211	17040		21422.074	4646.6866	16840	30366 3	21434.975	4664.0386	16980	3860 7 1
21409.327	4669.5543	19540		21422.272	4646.7326	14540		21435.198	4664.0184	30880	
21409.382	4669.5314	18740		21422.456	4646.6925	15480		21435.354	4664.0184	21040	
21409.573	4669.5006	14370		21422.504	4646.6821	15728		21435.561	4664.0184	17140	
21409.695	4669.4741	16640		21422.682	4646.6433	29240	38188 8	21435.799	4664.0177	27390	
21410.018	4669.4037	14928		21423.025	4646.5686	17740		21435.975	4664.0177	27390	22656 6
21410.090	4669.3880	16340		21423.176	4646.5355	17440		21436.168	4664.0172	22480	620 5 1
21410.302	4669.3416	16640		21423.284	4646.5121	16340		21436.216	4664.0169	22540	35004 7
21410.573	4669.3043	28440		21423.493	4646.4666	19740		21436.316	4664.0169	20180	13567 7 1
21410.579	4669.2594	22240		21423.591	4646.4452	14340		21436.390	4664.0169	18240	
21411.059	4669.2340	19140	29932 7	21423.774	4646.4054	16840		21436.523	4664.0169	16840	
21411.569	4669.0654	23640	31468 8	21423.944	4646.3879	16840		21436.592	4664.0169	14880	
21411.618	4669.0517	15280	32097 9	21424.074	4646.3821	17540		21436.708	4664.0169	14580	
21411.693	4669.0384	17320		21424.301	4646.2908	13780		21436.828	4664.0169	17140	
21412.090	4668.9584	19328		21424.892	4646.1747	15940		21437.015	4664.0169	23540	
21412.167	4668.9349	17328		21424.832	4646.1747	15940		21437.098	4664.0169	21740	31518 5
21412.249	4668.9179	20780	32098 7	21424.892	4646.1614	19340		21437.230	4664.0169	13680	10081 2 1
21412.450	4668.8685	24440		21425.193	4646.0666	14440		21437.822	4664.0169	18340	
21412.624	4668.8732	17228		21425.359	4646.0666	21740	34827 7	21438.114	4664.0169	19040	31995 5
21413.045	4668.8353	18340		21425.471	4646.0358	19840		21438.299	4664.0169	19040	10957 4 1
21413.136	4668.7435	19440		21425.599	4646.0078	26640	29936 5	21438.540	4664.0169	14680	
21413.136	4668.7237	14070		21425.716	4646.0023	17280		21438.628	4664.0169	14180	
21413.265	4668.6956	16240		21425.881	4646.0465	19540		21438.673	4664.0169	16240	
21413.591	4668.6244	13070	33357 8	21426.010	4646.0529	19428		21438.965	4664.0169	16440	28444 5
21413.791	4668.5809	25440	28739 8	21426.210	4646.0156	37940	21426 7	21439.383	4664.0169	19440	7805 6 1
21413.947	4668.5449	14080		21426.478	4646.0156	17180		21439.471	4664.0169	23340	12513 5
21414.064	4668.5213	17740		21426.746	4646.0156	17180		21439.671	4664.0169	23340	28543 4
21414.127	4668.5213	18465		21426.818	4646.0156	14440		21439.671	4664.0169	23340	7103 3 1
21414.513	4668.5213	18840		21427.137	4646.0156	14482		21439.671	4664.0169	18240	
21414.858	4668.5114	15740		21427.168	4646.0156	13880		21439.790	4664.0169	17928	
21414.872	4668.5060	14480	31958 4	21427.434	4646.0156	19540		21439.866	4664.0169	24040	
21414.962	4668.3257	13028		21428.151	4646.0156	18740		21440.216	4664.0169	28440	29558 6
21415.005	4668.3257	13028		21428.431	4646.0156	19888	35930 9	21440.412	4664.0169	14582	8110 7 1
21415.605	4668.1885	19040		21428.354	4646.0156	15840		21440.564	4664.0169	16940	
21415.680	4668.1680	18940		21428.354	4646.0156	15840		21440.735	4664.0169	15980	
21415.815	4668.1397	16540		21428.454	4646.0156	17548		21440.871	4664.0169	17440	32731 5
21417.373	4667.8217	13180		21428.362	4646.0156	17548		21440.988	4664.0169	24440	11290 5 1
21417.444	4667.7846	16398		21428.454	4646.0156	17548		21441.592	4664.0169	24148	27725 5
21417.594	4667.7709	16148		21428.454	4646.0156	17548		21441.592	4664.0169	24148	6293 6 2
21417.712	4667.7261	17748		21428.454	4646.0156	17548		21441.592	4664.0169	24148	
21417.947	4667.6768	21948		21428.454	4646.0156	17548		21442.951	4664.0169	15748	
21418.000	4667.6606	21840		21428.454	4646.0156	17548		21443.240	4664.0169	22940	
21418.514	4667.5661	17240		21428.454	4646.0156	17548		21443.461	4664.0169	13380	

SIGMA	ML	I	PS CLASSIFICATION	ION	SIGMA	ML	I	PS CLASSIFICATION	ION	SIGMA	ML	I	PS CLASSIFICATION	ION
21443.832	4662.0839	166A0			21456.944	4459.1914	247A0			21472.102	4655.8850	148B0		
21444.113	4661.9795	140R0			21457.034	4659.1719	127A0			21472.384	4455.8411	125C0		
21444.345	4661.9290	157A0			21457.221	4459.1313	149A0			21472.766	4655.7583	148A0	28798	7 7326 7 1
21444.545	4661.8855	165A0			21457.477	4659.0759	165A0			21472.912	4655.7267	149A0		
21444.624	4661.8679	167A0			21457.830	4658.9991	172A0			21473.011	4655.7053	166C0		
21445.002	4661.7862	173A0			21458.001	4658.9620	162D0			21473.290	4455.6647	157A0		
21445.257	4661.7307	206A0			21458.082	4658.9444	175A0			21473.424	4655.6157	168A0		
21445.339	4661.7128	197R0			21458.140	4658.9230	192A0			21473.502	4455.5988	153A0		
21445.437	4661.6916	212A0			21458.233	4658.9117	175C0			21473.713	4455.5531	136B0		
21445.644	4661.6641	322A0	32902	7 11457 6 1	21458.460	4658.8189	149H0			21473.890	4655.5166	189A0		
21445.845	4661.6030	159A0			21458.749	4658.7996	232A0	27124	4 5867 3 2	21474.045	4455.4811	181A0	29119	8 7445 8 1
21445.999	4661.5693	186A0			21459.045	4658.7353	171A0			21474.243	4455.4381	176A0		
21446.073	4661.5573	153A0			21459.144	4658.7139	193C0			21474.318	4655.4220	155A0		
21446.339	4661.4996	128CA			21459.313	4658.6772	165A0			21474.670	4655.3457	205A0		
21446.427	4661.4830	179B0			21459.382	4658.6623	144C0			21474.808	4655.3157	259A0	27389	5 914 4 2
21447.004	4661.3509	136A0			21459.690	4658.5952	178A0			21474.942	4655.2866	161A0		
21447.344	4661.2742	143R0			21459.742	4658.5841	174A0			21475.047	4655.2638	149R0	32294	3 10619 3 1
21447.494	4661.2441	193A0			21460.022	4658.4146	165A0			21475.113	4655.2495	155B0		
21447.719	4661.1956	218A0			21460.036	4658.3900	190B0			21475.176	4655.2358	164A0		
21447.810	4661.1758	190A0	29827	5 8379 4 2	21460.917	4658.3289	169A0			21475.316	4655.2055	152A0		
21447.914	4661.1485	210A0	33124	8 11677 7 1	21461.108	4658.2874	133C0			21475.699	4655.1226	223A0	27002	6 7526 6 2
21448.084	4661.1158	141B0			21461.385	4658.2275	179A0			21475.992	4655.0591	201A0	35887	4 14411 4 1
21448.503	4661.0252	137R0			21461.437	4658.2162	196A0	29187	7 7645 8 1	21476.443	4655.0613	154A0		
21448.712	4660.9798	154A0	32852	3 11403 4 1	21461.717	4658.1553	218A0			21476.543	4655.0397	153A0		
21448.959	4660.9241	207A0			21461.795	4658.1194	194C0			21476.666	4655.0129	159B0		
21449.121	4660.8909	151A0			21461.954	4658.1031	192A0			21476.772	4655.0000	174C0		
21449.353	4660.8404	204A0			21462.231	4658.0430	135R0			21476.841	4655.0750	215A0	29610	4 8133 4 1
21449.494	4660.8098	274A0			21462.501	4657.9851	134C0			21477.032	4655.0335	320A0	27267	5 5796 5 2
21449.564	4660.7943	196C0			21462.717	4657.9393	192B0			21477.284	4655.0791	144C0		
21449.764	4660.7512	281A0	33008	4 11558 4 1	21462.885	4657.9019	130A0			21477.355	4655.0714	147R0		
21450.002	4660.6994	173A0	30691	5 9241 4 2	21463.140	4657.8465	131A0			21477.444	4655.0444	142R0		
21450.190	4660.6589	141R0			21463.389	4657.7924	176R0			21477.573	4655.0764	164A0		
21450.264	4660.6416	167A0			21463.610	4657.7445	135R0			21477.654	4655.0987	145A0		
21450.404	4660.6116	161A0			21464.084	4657.6415	133B0			21477.897	4655.0661	141A0		
21450.762	4660.5343	140R0			21464.416	4657.5695	144A0			21478.087	4655.0050	163A0		
21450.929	4660.4990	157A0			21464.556	4657.5391	224A0			21478.168	4455.5875	156A0		
21451.374	4660.4119	158A0			21464.637	4647.5216	177A0			21478.224	4655.5752	162A0		
21451.390	4660.3978	156A0			21464.695	4647.5112	177A0			21478.288	4655.5615	165A0		
21451.549	4660.3634	199A0			21465.005	4647.4417	141D0			21478.941	4655.4199	149B0		
21452.103	4660.2847	223A0	27443	5 5991 4 1	21465.329	4647.3716	197A0			21479.089	4655.3879	175A0		
21452.303	4660.1996	184A0	32742	5 11290 5 1	21465.493	4647.3425	192A0			21479.284	4655.3456	206A0		
21452.354	4660.1845	183A0			21465.740	4647.2823	172A0			21479.495	4655.2998	156A0		
21452.547	4660.1445	156R0			21465.844	4647.2598	143R0			21479.742	4455.2464	189A0		
21452.724	4660.1076	293A0	25906	5 4453 4 1	21466.045	4647.2162	172A0			21479.974	4655.1960	140A0		
21452.783	4660.0953	209CA			21466.471	4647.1236	162A0	34827	7 13361 6 1	21480.186	4655.1500	146C0	27729	5 6249 6 1
21453.183	4660.0983	192A0			21466.635	4647.0811	143R0			21480.304	4655.1246	231A0		
21453.424	4659.9556	212A0			21466.764	4647.0597	139R0	33829	3 12362 4 1	21480.608	4455.0587	168A0		
21453.483	4659.8931	177CA	27244	4 8798 5 2	21467.793	4646.9847	171A0			21480.812	4655.0144	175A0		
21453.724	4659.8909	164A0	34338	6 12884 4 1	21468.057	4646.7795	162A0			21480.916	4653.9920	165A0		
21453.853	4659.8829	194A0			21468.744	4646.6298	149A0			21480.990	4651.9759	151C4		
21454.043	4659.8216	230A0			21468.854	4646.6063	142A0			21481.149	4653.9415	144A0		
21454.207	4659.7859	137A0			21469.349	4646.4993	167A0			21481.269	4653.9155	130B0		
21454.265	4659.7733	158A0			21469.635	4646.4374	167A0			21481.524	4653.8803	159A0		
21454.447	4659.7337	220A0			21469.946	4646.3698	187A0			21481.663	4653.8301	196A0		
21454.598	4659.7010	144CA			21470.370	4646.2779	191A0			21481.869	4653.7854	165A0		
21455.780	4659.4443	130B0			21471.156	4646.1876	131C0			21481.920	4653.7744	165A0	28673	3 7191 2 1
21456.020	4659.3921	162A0			21471.342	4646.0672	185A0			21482.065	4653.7431	163A0	32449	5 10987 6 1
21456.085	4659.3781	181B0			21471.852	4645.9566	171A0	29665	5 8133 4 1	21482.124	4653.7303	151C0		
21456.214	4659.3501	191A0	29978	6 8821 7 2	21471.939	4645.9378	142B0			21482.291	4653.6940	165A0		
21456.580	4659.2707	195A0			21472.080	4645.9114	168A0			21482.362	4653.6787	164A0	31551	6 10069 7 1

SIGMA	W/L	I P4 CLASSIFICATION	ION	SIGMA	W/L	I P5 CLASSIFICATION	ION	SIGMA	W/L	I P5 CLASSIFICATION	ION
21482.668	4453.6125	124CN		21494.352	4441.0837	163AO		21506.130	446A.1015	161P0	324Y5 5 10987 6 1
21482.422	4453.4180	134CN		21494.744	4450.9904	137B1		21506.307	446A.0650	203AO	25961 3 4453 4 1
21480.214	4453.9813	177AO		21494.913	4450.9929	134AO		21506.639	4467.9033	15770	
21480.976	4453.4934	164A:		21495.021	4450.8798	122CA		21506.983	4467.9189	14990	
21480.327	4453.4837	164AO		21495.567	4450.8198	170AO		21506.148	4467.8833	284AO	20094 4 4595 6 2
21480.814	4453.4372	207AO	23778 5 2794 5 2	21495.508	4450.7493	177AO		21506.389	4467.7728	136CA	
21480.554	4453.6247	267AO		21495.906	4450.7445	157AO		21506.659	4467.7129	136CA	
21480.652	4453.3942	179AO		21496.007	4450.7245	154AO	34842 8 13346 7 1	21506.948	4467.7319	115AO	31798 7 10288 6 1
21480.719	4453.3833	147AO		21496.124	4450.6974	174AO		21506.982	4467.7030	115AO	
21480.172	4453.2894	220AO		21496.124	4450.6974	174AO		21510.445	4467.5944	167AO	
21480.212	4453.2894	220AO		21496.124	4450.6974	174AO		21510.445	4467.5944	167AO	
21480.667	4453.1751	171AO		21496.660	4450.5401	161AO		21510.566	4467.5768	141AO	
21480.454	4453.1141	161AO	33118 6 11833 5 1	21496.984	4450.5132	174AO		21511.027	4467.4771	171AO	
21480.774	4453.1044	214AO	25906 4 4420 5 2	21497.127	4450.4823	157AO		21511.561	4467.4050	132AO	
21485.344	4453.0284	154AO	32472 6 10987 6 1	21497.470	4450.4081	240AO	3503210 13534 9 1	21511.641	4467.3445	144AO	
21485.449	4453.0076	139AO		21497.921	4450.3164	154AO	28903 5 7094 6 1	21512.029	4467.2604	159AO	
21485.693	4453.9871	221AO	23236 6 1749 6 2	21497.974	4450.2982	145AO		21512.094	4467.2466	163AO	
21485.828	4453.9740	212AO	28811 6 7326 7 1	21498.085	4450.2729	154AO		21512.404	4467.1366	123AO	32802 6 11290 5 1
21485.964	4453.9004	151AO		21498.188	4450.2758	157AO		21512.937	4467.1078	127AO	
21485.244	4453.8373	212AO		21498.253	4450.2202	143AO		21513.928	4467.0864	129AO	
21485.504	4453.7814	212AO		21498.403	4450.1611	143AO		21513.028	4467.0407	138AO	
21485.764	4453.7244	13190		21498.603	4450.1016	143AO		21513.236	4466.9949	139AO	
21485.204	4453.7180	134AO		21498.847	4450.0876	137AO		21513.393	4466.9603	138AO	
21485.324	4453.5949	137AO		21499.044	4450.0816	137AO		21513.663	4466.9077	131AO	
21485.474	4453.5469	224AO	32307 4 10819 3 1	21499.187	4450.0398	161AO	21980 4 18081 5 1	21513.877	4466.8615	204AO	33457 4 11943 3 1
21487.474	4453.5336	169AO	32944 5 11457 6 1	21499.356	4450.0082	264AO	26084 5 4584 6 2	21514.193	4466.7954	150AO	
21487.739	4453.5141	151AO		21499.448	4449.9749	198AO	27241 6 3762 5 2	21514.265	4466.7776	157AO	
21487.963	4453.4657	213AO		21499.691	4449.9276	190AO	31784 3 18284 2 1	21514.346	4466.7403	142CA	
21488.226	4453.4125	152AO		21500.045	4449.8932	149AO		21514.477	4466.7319	148AO	
21488.266	4453.4001	161AO	32796 6 11308 9 1	21500.413	4449.8264	184AO		21514.558	4466.7145	139CA	
21488.378	4453.3159	145AO		21500.613	4449.7764	164AO		21514.657	4466.6932	143AO	
21488.462	4453.3574	162AO		21500.843	4449.6672	135AO		21514.827	4466.6563	251AO	
21488.837	4453.2798	143AO		21501.097	4449.6237	159AO		21514.915	4466.6377	232AO	
21489.177	4453.2029	167AO	33457 4 11948 5 1	21501.483	4449.5630	192AO	27492 4 5981 4 1	21515.087	4466.5981	388AO	22429 4 914 4 2
21489.272	4453.1670	210AO	33313 8 12828 7 1	21502.012	4449.4927	134AO		21515.341	4466.5453	174AO	
21489.581	4453.1153	164AO		21502.238	4449.4374	257AO		21515.448	4466.5223	165AO	
21489.609	4453.0935	157AO		21502.538	4449.3124	149AO		21515.639	4466.4811	180AO	
21490.009	4453.0139	247AO	21252 4 5762 5 1	21502.945	4449.2241	161AO		21515.750	4466.4570	180AO	
21490.271	4453.0415	237AO	21258 5 5762 5 1	21503.021	4449.2076	172AO		21515.878	4466.4293	229AO	21894 5 10288 6 1
21490.411	4453.0356	229AO		21503.221	4449.1644	143AO		21516.094	4466.3928	194AO	28650 4 7103 9 1
21490.426	4453.0491	8736		21503.324	4449.1421	141AO		21516.209	4466.3588	242AO	34644 8 13127 9 1
21490.494	4453.0736	178AO		21503.536	4449.0593	261AO		21516.583	4466.2772	153AO	
21490.854	4453.0393	234AO		21503.752	4449.0445	241AO		21517.007	4466.1955	157AO	
21491.135	4453.7801	168AO		21503.982	4448.9984	184AO		21517.105	4466.1645	228AO	30395 4 8878 3 1
21491.305	4453.7421	153AO		21504.279	4448.9357	174AO		21517.185	4466.1472	197AO	
21491.414	4453.7166	152AO		21504.632	4448.8747	191AO		21517.364	4466.1095	188AO	
21491.481	4453.7020	154AO		21504.986	4448.8242	151AO		21517.543	4466.0698	288AO	28523 7 7095 6 1
21491.491	4453.6790	177AO		21505.198	4448.7348	190AO	27247 5 5762 5 1	21517.611	4466.0550	191CA	
21491.724	4453.6488	124AO		21505.477	4448.6766	148AO		21517.789	4466.0189	264AO	
21491.824	4453.6297	134AO		21505.691	4448.6304	129AO		21517.940	4465.9842	150AO	
21491.994	4453.5931	167AO		21505.812	4448.6041	136AO		21518.115	4465.9462	150AO	
21492.001	4453.5785	156AO		21505.934	4448.5749	135AO		21518.224	4465.9225	150AO	
21492.203	4453.5372	298AO	21241 5 1749 6 2	21506.058	4448.5591	132AO		21518.624	4465.8365	166AO	34344 6 18262 7 1
21492.609	4453.4537	153AO		21506.334	4448.4882	164AO	31953 8 18347 8 1	21518.740	4465.8070	158AO	
21492.817	4453.4280	194AO		21506.822	4448.3988	139AO		21518.988	4465.7723	111AO	
21493.107	4453.3523	137AO		21507.067	4448.3389	121AO		21519.199	4465.7124	184AO	
21493.284	4453.3116	163AO		21507.264	4448.2978	154AO		21519.495	4465.6488	130AO	
21493.418	4453.2416	282AO	25294 8 3800 7 1	21507.349	4448.2726	164AO		21519.566	4465.6303	134AO	
21493.944	4453.1706	72AO		21507.479	4448.2457	220AO		21519.877	4465.6092	182AO	
21499.132	4453.1302	314AO	29412 8 8318 7 1	21507.778	4448.1744	152AO		21520.023	4465.5344	192CA	31728 4 10206 4 1

SIGMA	HL	I PS	CLASSIFICATION	ION	SIGMA	HL	I PS	CLASSIFICATION	ION	SIGMA	HL	I PS	CLASSIFICATION	ION
21520.091	6643.5198	23340		1	21522.249	4442.8966	16140		1	21544.626	4640.2294	15740		1
21520.174	6645.4018	16840	32977	7 11457	21522.375	4442.8664	19440		1	21544.694	4640.2147	15740	34429	5 12884
21520.331	6645.4678	13580		1	21522.730	4442.7930	14640		1	21544.842	4640.1827	15180		1
21520.417	6645.4443	13580		1	21523.024	4442.7296	19440		1	21544.904	4640.1694	16940		1
21521.082	6645.3058	13580		1	21523.162	4442.6698	12940		1	21545.132	4640.1203	14080		1
21521.389	6645.2396	13940		1	21523.424	4442.6199	14040		1	21545.212	4640.1031	15440		1
21521.472	6645.2217	13490		1	21523.551	4442.5642	15840		1	21545.408	4640.0438	16440		1
21521.622	6645.1869	16240	33154	6 11633	21523.619	4442.5012	16140		1	21545.711	4639.9957	27340		2
21521.764	6645.1543	15540		1	21523.844	4442.4482	15040		1	21546.413	4639.8445	16440		1
21521.806	6645.1301	13640		1	21523.994	4442.3924	15068		1	21546.697	4639.7833	19540		1
21522.323	6645.0380	22340	25975	4 4453	21524.144	4442.3461	25040		1	21546.784	4639.7645	14140		1
21522.487	6645.0004	16240		1	21524.256	4442.3026	16668		1	21546.862	4639.7477	13440		1
21522.559	6645.0869	18440	32928	4 11403	21524.420	4442.2626	12968		1	21546.986	4639.7264	15440		1
21522.613	6645.9322	26340	23417	4 2284	21524.467	4442.2629	22240	37779	9 16244	21547.719	4639.5931	12240		1
21522.708	6645.9149	19340		2	21524.572	4442.2230	16240		1	21548.192	4639.5175	12940		1
21523.042	6645.0827	17540		1	21524.631	4442.1801	17440		1	21548.510	4639.3930	15580		1
21523.243	6645.8395	14740		1	21524.787	4442.1398	21440	31744	5 10208	21548.639	4639.3451	20440	29194	9 7645
21523.417	6645.8019	20740		1	21524.890	4442.1116	14468		1	21548.799	4639.3308	22040		1
21523.620	6645.7149	13840		1	21524.978	4442.0711	26740		1	21549.102	4639.2657	16740		1
21524.001	6645.6758	14140		1	21525.338	4442.0182	13940		1	21549.190	4639.2466	11640		1
21524.310	6645.6073	14340		1	21525.490	4442.0023	13280		1	21549.271	4639.2291	13880		1
21524.487	6645.5709	13640		1	21525.639	4441.9676	14140		1	21549.435	4639.1939	13740	29682	4 8133
21524.677	6645.5297	23740		1	21525.766	4441.9373	22540	29000	6 7864	21549.667	4639.1567	18940		1
21524.730	6645.5186	20380		1	21525.925	4441.8864	23640	20542	6 7005	21549.769	4639.1219	18080		1
21525.058	6645.4412	20340		1	21527.077	4441.8058	16540		1	21549.858	4639.1026	27640	30060	5 8510
21525.367	6645.3811	13940		1	21527.301	4441.8075	13440		1	21550.235	4639.0217	18440		2
21525.667	6645.3162	16740		1	21527.381	4441.7923	12280		1	21550.281	4639.0018	18440		2
21525.728	6645.1961	13440		1	21527.567	4441.7502	11440		1	21550.421	4639.0118	18440		2
21526.442	6645.1993	21240		1	21527.737	4441.7141	21940		1	21550.512	4639.0220	12380		1
21527.169	6643.9922	21540		1	21527.930	4441.6893	16440		1	21550.560	4639.0511	12940		1
21527.390	6643.9445	21040		1	21528.032	4441.6499	31340	29932	7 8394	21550.719	4639.0544	22640	29827	5 8276
21527.742	6643.8686	15840		1	21528.223	4441.6089	13460		1	21551.009	4639.0550	11640		2
21527.847	6643.8802	15840		1	21528.423	4441.5273	13040		1	21551.144	4639.0259	15440	32108	5 10937
21528.014	6643.8092	24440		1	21528.601	4441.5273	13040		1	21551.285	4639.0956	13090		1
21528.154	6643.7793	15340		1	21528.744	4441.4873	21940		1	21551.456	4639.0758	16040		1
21528.395	6643.7278	18040		1	21528.924	4441.4265	21640		1	21552.090	4639.0224	27040		1
21528.543	6643.6969	14440		1	21529.094	4441.3273	14680		1	21552.379	4639.0601	16640		1
21528.741	6643.6531	21180		1	21529.268	4441.2642	13964		1	21552.527	4639.0282	15140		1
21528.800	6643.6403	21180		1	21529.460	4441.1247	11968		1	21552.673	4639.0468	15940		1
21528.974	6643.6025	32340		1	21529.693	4441.0766	21220		1	21552.801	4639.0498	15980		1
21529.177	6643.5581	16840		1	21529.904	4441.0599	17180		1	21553.042	4639.04174	15340		1
21529.417	6643.5804	16740		1	21530.048	4441.0001	12640		1	21553.567	4639.0243	13240		1
21529.484	6643.5023	13140		1	21530.166	4440.9747	16040		1	21553.707	4639.0343	12440		1
21529.595	6643.4549	13140		1	21530.282	4440.9447	16040		1	21553.845	4639.0283	21340		1
21529.809	6643.4228	13280		1	21530.408	4440.9222	14780		1	21554.042	4639.0730	14140		1
21529.945	6643.3511	14464		1	21530.500	4440.9027	17040	32944	5 11403	21554.211	4639.0483	19440		1
21530.141	6643.3143	20940		1	21531.624	4440.8261	13440		1	21554.444	4639.0493	19440		1
21530.312	6643.3143	20940		1	21531.824	4440.7799	22840	21831	4 208	21554.607	4639.0660	13940		1
21530.449	6643.2948	21340	31083	5 9853	21532.105	4440.7222	16340	2791	5 4248	21554.957	4639.0792	15940		1
21530.715	6643.2875	14240		1	21532.317	4440.6540	7266	1670	2	21555.083	4639.0860	13940		1
21530.871	6643.1938	13240	33144	3 11943	21532.439	4440.6003	13482		1	21555.142	4639.0735	13080		1
21530.971	6643.1722	14440		1	21532.740	4440.5386	13482		1	21555.211	4639.0735	13080		1
21531.231	6643.1161	13068		1	21533.129	4440.5518	14140		1	21555.444	4639.0893	19440		1
21531.314	6643.0982	16840		1	21533.517	4440.4683	14240		1	21555.610	4639.0472	12280	29936	5 8379
21531.549	6643.0476	12880		1	21533.826	4440.4017	14340		1	21555.910	4639.0817	12280	29936	5 8379
21531.886	6643.0180	16640		1	21534.091	4440.3681	14940		1	21556.078	4639.0877	20340	27548	4 591
21532.085	6643.9794	16140		1	21534.403	4440.3440	21240	25907	3 4453	21557.057	4639.0533	12240		1
21532.018	6643.9265	15440	23040	3 11958	21534.460	4440.2846	21240	25907	3 4453	21557.235	4639.0511	16740		1
21532.082	6643.9327	15040	29665	4 8133	21534.504	4440.2596	15480		1					

SIGMA	WL	I	PS	CLASSIFICATION	ION	SIGMA	WL	I	PS	CLASSIFICATION	ION	SIGMA	WL	I	PS	CLASSIFICATION	ION
21557.421	4637.6751	12480				21572.255	4631.2941	16740				21584.145	4631.7333	21440			PS CLASSIFICATION ION
21557.747	4637.3965	12780				21572.350	4631.2633	16740				21584.289	4631.7023	21440			32141 4 10557 4 1
21557.913	4637.3612	12980				21572.594	4631.2133	14440				21584.516	4631.6537	30440			
21558.182	4637.3115	13540				21573.462	4631.0870	19540				21584.692	4631.6158	39242			21584 6 0 6 1
21558.854	4637.1669	17140			32378	21573.607	4633.9958	16040				21584.881	4631.5754	28980			
21558.976	4637.1406	14040				21573.723	4633.9708	18940				21584.935	4631.5636	24180			
21559.176	4637.1083	13840				21573.890	4633.9351	20240				21585.029	4631.5435	24740			
21559.231	4637.0857	14040			33921 4	21573.974	4633.9170	17240				21585.122	4631.5237	21440			
21559.595	4637.0290	22840				21574.364	4633.8331	15140				21585.259	4631.4941	19540			
21559.766	4636.9707	13640				21574.539	4633.7955	15240				21585.387	4631.4667	23340			
21560.189	4636.8748	13640				21574.966	4633.7039	13480				21585.558	4631.4300	15640			
21560.416	4636.8309	15940				21575.083	4633.6787	11708				21585.640	4631.4126	14940			35217 4 13632 5 1
21560.846	4636.6784	21340			26566 7	21575.390	4633.6235	23040				21585.733	4631.3766	13740			
21561.143	4636.6746	15140				21575.612	4633.5522	15740				21585.836	4631.3705	14204			
21561.345	4636.6312	17840				21575.824	4633.5131	26040			31923 8	21585.950	4631.3459	15040			
21561.561	4636.5847	26040			31638 7	21575.958	4633.4908	24540				21586.205	4631.2912	13140			
21561.757	4636.5434	23740				21576.008	4633.4802	22308				21586.256	4631.2803	15280			
21561.821	4636.5286	20208				21576.196	4633.4396	14540				21586.379	4631.2539	16640			
21562.096	4636.4697	12540				21576.475	4633.3798	13640				21586.706	4631.1838	15140			
21562.357	4636.4136	18440				21576.806	4633.3098	13308				21586.814	4631.1605	15040			
21562.782	4636.3221	15140				21576.888	4633.2912	18640				21587.124	4631.0940	13640			
21563.014	4636.2724	13340				21577.012	4633.2644	19440				21587.210	4631.0756	13940			
21563.109	4636.2519	13740				21577.173	4633.2299	15240				21587.313	4631.0534	14180			
21563.286	4636.2139	15040				21577.558	4633.1673	12580				21587.461	4631.0219	15640			
21563.398	4636.1896	18240				21577.671	4633.1229	12340				21587.574	4630.9976	20140			27349 5 5762 5 1
21563.633	4636.1393	15040				21577.884	4633.0767	15040				21587.750	4630.9598	14140			
21564.034	4636.0520	17240				21578.326	4632.9822	13540				21587.855	4630.9372	15740			
21564.132	4636.0319	14240				21578.441	4632.9577	15440				21588.038	4630.8960	20440			25388 8 3800 7 1
21564.360	4635.9829	13040				21578.733	4632.8950	13440				21588.321	4630.8374	18140			
21564.605	4635.9302	14640				21578.788	4632.8831	13008				21588.364	4630.8280	19240			
21564.816	4635.8848	21440				21578.960	4632.8661	18940				21588.456	4630.8084	13480			
21565.056	4635.8332	18440				21579.064	4632.8219	19008				21588.879	4630.7175	16440			
21565.189	4635.8046	14281				21579.422	4632.7470	13640				21589.652	4630.5518	18740			
21566.045	4635.6206	15240				21579.918	4632.6606	14540				21589.742	4630.5325	13808			
21566.446	4635.5344	21940				21579.987	4632.6258	14340				21590.110	4630.4535	11680			
21566.639	4635.4930	25640			27357 5	21580.208	4632.5783	12480				21590.209	4630.4323	22640			
21566.917	4635.4332	14840			3115 7	21580.365	4632.5446	13440				21590.922	4630.2794	25740			29236 7 7345 8 1
21567.375	4635.3562	14040				21580.544	4632.5039	14240				21591.074	4630.2468	25640			25596 7 7005 6 1
21567.580	4635.2908	17040				21580.648	4632.4937	14640				21591.332	4630.1914	16240			
21567.969	4635.2077	22940			33025 7	21580.955	4632.4179	15080				21591.394	4630.1782	16680			
21568.280	4635.1403	23740				21581.177	4632.3704	15840				21591.485	4630.1587	21240			
21568.394	4635.1158	16140				21581.399	4632.3164	15840				21591.578	4630.1388	19008			
21568.663	4635.1010	14080				21581.744	4632.2486	21540				21591.679	4630.1171	17040			
21568.653	4635.0601	25840			31649 6	21581.887	4632.2179	14540				21591.742	4630.1036	17040			
21568.727	4635.0413	17108				21582.016	4632.1902	16140				21591.838	4630.0831	14940			
21568.882	4635.0110	12840				21582.353	4632.1178	14540				21592.034	4630.0410	23040			33150 5 11588 4 1
21569.060	4634.9726	15040				21582.440	4632.0991	19940				21592.350	4629.9733	12808			
21569.213	4634.9397	13040				21582.738	4632.0352	14740				21592.440	4629.9538	15940			
21569.373	4634.9034	13100				21582.815	4632.0188	12708				21592.591	4629.9214	13140			
21569.571	4634.8843	19740			26895 7	21582.815	4632.0188	12708				21592.991	4629.8357	13240			
21569.744	4634.8257	11680				21582.952	4631.9892	17340			31671 6	21593.102	4629.8119	14440			31219 5 9826 6 2
21570.055	4634.7568	13580				21583.117	4631.9536	15340				21593.260	4629.7780	16940			
21570.191	4634.7296	20440			32255 7	21583.214	4631.9330	15840				21593.481	4629.7306	23940			
21570.461	4634.6710	14540				21583.266	4631.9220	14040				21593.639	4629.6869	21140			
21570.611	4634.5963	15440				21583.343	4631.9053	13180				21593.780	4629.6666	14280			
21570.898	4634.5798	17940				21583.462	4631.8799	12940				21593.973	4629.6252	13081			
21571.003	4634.5552	16340				21583.544	4631.8623	13908				21594.179	4629.5811	12780			
21571.135	4634.5286	19140				21583.612	4631.8477	13540				21594.300	4629.5550	13240			
21571.927	4634.3566	14940				21583.881	4631.8131	23740			26978 6	21594.450	4629.4371	12940			
21572.114	4634.3165	17040				21584.084	4631.7463	22440			3762410	21595.161	4629.3706	13240			



SIGMA	1 PS CLASSIFICATION ION	SIGMA	1 PS CLASSIFICATION ION	SIGMA	1 PS CLASSIFICATION ION
21595.590	4629.2745 15340	21607.242	4629.7921 13140	21619.983	4624.0555 16240
21595.702	4629.2566 10140	21609.010	4629.6177 14540	21620.099	4624.0306 17740
21599.002	4629.1901 21140	21609.058	4629.6074 14440	21620.218	4624.0053 14240
21599.264	4629.1340 22740	21609.319	4629.5514 13440	21620.267	4623.9946 14940
21599.454	4629.0934 16240	21609.442	4629.4395 23940	21620.403	4623.9656 22940
21599.720	4629.0346 13440	21609.019	4629.4016 24800	21620.549	4623.9355 23840
21599.769	4629.0216 13640	21609.331	4629.3348 13940	21620.600	4623.9235 23840
21599.970	4629.0914 16340	21609.435	4629.3125 14440	21620.734	4623.8949 27940
21597.288	4628.9146 10140	21609.622	4629.2125 15240	21621.236	4623.8794 14640
21597.410	4628.8805 12440	21609.604	4629.2336 15240	21621.581	4623.8651 15840
21597.813	4628.7401 15140	21610.105	4629.1492 17440	21621.608	4623.8651 16240
21598.102	4628.6401 15740	21610.159	4629.1578 15840	21621.692	4623.8672 15940
21598.526	4628.6422 15940	21610.313	4629.1425 12440	21621.778	4623.8600 13640
21598.664	4628.6189 13940	21610.500	4629.0945 14440	21622.580	4623.8000 14740
21598.790	4628.5927 15140	21610.745	4629.0322 13440	21622.720	4623.8702 15340
21599.034	4628.5610 14740	21610.878	4629.0037 17740	21622.912	4623.8291 27840
21599.064	4628.5341 12740	21610.946	4629.0941 14040	21623.205	4623.8664 12840
21599.174	4628.5096 16140	21611.212	4629.0321 20740	21623.281	4623.8502 12940
21599.334	4628.4752 13680	21611.358	4629.0908 20440	21623.440	4623.8101 14940
21599.453	4628.4505 20440	21611.556	4629.0566 12526	21623.564	4623.8206 14740
21599.520	4628.4362 16140	21611.622	4629.0643 13040	21623.734	4623.8125 14440
21599.757	4628.3919 12940	21611.957	4629.0727 14440	21624.026	4623.8190 12240
21599.864	4628.3642 14540	21612.045	4629.0745 19440	21624.240	4623.8150 15440
21599.924	4628.3497 14540	21612.249	4629.0752 12480	21624.533	4623.8075 16540
21599.973	4628.3317 15440	21612.580	4629.0375 14840	21624.758	4623.8349 20440
21600.164	4628.2902 17440	21612.525	4629.0540 15440	21624.955	4623.8135 20340
21600.240	4628.2819 16440	21613.100	4629.0529 17440	21625.100	4629.0614 12140
21600.334	4628.2395 19440	21613.176	4629.0899 31240	21625.410	4629.0751 12940
21700.534	4628.2146 21240	21613.278	4629.0525 15840	21625.591	4629.0563 12140
21600.881	4628.1446 17040	21613.462	4629.0442 15840	21625.786	4629.0146 11680
21601.220	4628.0719 17240	21613.536	4629.0375 14374	21625.861	4629.0146 16440
21601.413	4628.0306 13540	21613.716	4629.0343 22740	21626.226	4629.0206 16140
21601.627	4627.9848 16340	21613.845	4629.0345 15480	21626.590	4629.0427 13440
21602.094	4627.9860 20140	21613.909	4629.0350 15440	21626.738	4629.0112 12740
21602.269	4627.9472 15940	21614.633	4629.0201 12380	21626.861	4629.0346 11740
21602.354	4627.9351 15440	21614.752	4629.0225 1745 13440	21627.007	4629.0317 20040
21602.609	4627.9280 17040	21614.685	4629.0140 13440	21627.132	4629.0316 19140
21602.683	4627.9285 15140	21614.730	4629.0174 21440	21627.198	4629.0314 19140
21602.822	4627.9280 17340	21615.484	4629.0174 19140	21627.443	4629.0303 19540
21602.944	4627.9237 14240	21615.671	4629.0179 21440	21627.601	4629.0229 30940
21603.013	4627.9278 13940	21615.770	4629.0247 15180	21627.686	4629.0358 14940
21603.145	4627.9251 13040	21615.913	4629.0242 13440	21627.856	4629.0358 14940
21603.319	4627.9224 16040	21616.114	4629.0242 17540	21627.944	4629.0333 13740
21603.432	4627.9241 16040	21616.216	4629.0242 14140	21628.044	4629.0333 13740
21603.472	4627.9241 16040	21616.374	4629.0242 14040	21628.119	4629.0359 10740
21604.062	4627.9211 17440	21616.451	4629.0242 14540	21628.364	4629.0203 11080
21604.393	4627.9222 15440	21616.532	4629.0242 17640	21628.512	4629.0320 12740
21604.544	4627.9237 15340	21616.779	4629.0242 18940	21628.651	4629.0320 15640
21604.814	4627.9017 10140	21616.925	4629.0242 20440	21629.048	4629.0320 12780
21604.990	4627.8643 15740	21617.179	4629.0242 20440	21629.048	4629.0320 12780
21605.114	4627.8643 15740	21617.179	4629.0242 20440	21629.048	4629.0320 12780
21605.214	4627.8643 15740	21617.179	4629.0242 20440	21629.048	4629.0320 12780
21605.252	4627.8643 15740	21617.179	4629.0242 20440	21629.048	4629.0320 12780
21605.355	4627.8643 15740	21617.179	4629.0242 20440	21629.048	4629.0320 12780
21605.455	4627.8643 15740	21617.179	4629.0242 20440	21629.048	4629.0320 12780
21605.497	4627.8643 15740	21617.179	4629.0242 20440	21629.048	4629.0320 12780
21605.675	4627.8643 15740	21617.179	4629.0242 20440	21629.048	4629.0320 12780
21605.870	4627.8643 15740	21617.179	4629.0242 20440	21629.048	4629.0320 12780
21606.126	4627.8643 15740	21617.179	4629.0242 20440	21629.048	4629.0320 12780
21606.303	4627.8643 15740	21617.179	4629.0242 20440	21629.048	4629.0320 12780
21606.497	4627.8643 15740	21617.179	4629.0242 20440	21629.048	4629.0320 12780
21606.830	4627.8643 15740	21617.179	4629.0242 20440	21629.048	4629.0320 12780
21607.104	4627.8643 15740	21617.179	4629.0242 20440	21629.048	4629.0320 12780
21607.104	4627.8643 15740	21617.179	4629.0242 20440	21629.048	4629.0320 12780











SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
2190r.615	4543	1355 159A0	21931.051	4558.4673	15340	21953.761	4553.7516	16340
2190r.712	4562	1153 158R0	21931.132	4558.4503	11980	21954.250	4551.6530	135C8
2190r.767	4562	9798 128R0	21931.568	4558.3547	14482	21954.338	4551.6320	19340
2190r.852	4562	6778 171A0	21931.762	4568.1994	2780	21954.453	4551.6120	128A0
2190r.958	4562	8559 191A0	21932.064	4568.0904	18500	21954.565	4551.5851	16580
21910.269	4562	7910 176A0	21933.095	4568.0424	33540	21954.936	4551.5079	14880
21910.451	4562	5232 167A0	21933.359	4557.9875	15080	21955.073	4553.4538	12680
21911.206	4562	5959 161A0	21933.660	4557.9249	14380	21955.101	4553.4737	124A0
21911.412	4562	5530 128A0	21934.280	4557.8002	28740	21955.258	4553.2338	125C8
21912.042	4562	4218 152A2	21934.366	4557.7735	14528	21955.322	4553.2205	194A0
21912.303	4562	3675 176A0	21934.699	4557.7092	14080	21955.553	4551.1726	11080
21914.435	4561	9235 148C4	21934.945	4557.6580	12080	21957.185	4553.0416	188A0
21914.534	4561	9029 283A0	21935.053	4557.6355	20440	21957.305	4553.0026	16780
21914.865	4561	8341 161R0	21935.822	4557.4757	15980	21957.373	4553.0026	193C8
21914.950	4561	8153 132R0	21936.460	4557.3681	14480	21957.631	4553.9490	17980
21915.390	4561	7249 159A0	21937.519	4557.2233	21840	21957.961	4553.8807	13880
21916.770	4561	6319 268A0	21937.901	4557.0846	17540	21958.109	4553.8033	31640
21917.166	4561	4377 158R0	21938.216	4556.9160	18940	21958.432	4553.7702	2240
21917.366	4561	3135 161R0	21938.599	4556.8781	19540	21958.638	4552.7408	15480
21917.404	4561	3066 16080	21939.093	4556.7962	13640	21959.288	4552.6054	15980
21917.712	4561	2415 128C8	21939.466	4556.6814	13680	21959.824	4552.4943	18880
21917.821	4561	2189 252A0	21940.243	4556.5574	12640	21960.056	4552.4442	11880
21918.448	4561	0884 185A0	21940.996	4556.4011	15240	21960.304	4552.3949	283A0
21918.518	4561	0737 121R0	21941.170	4556.3650	19240	21960.573	4552.3391	205A0
21918.998	4561	0740 127R0	21941.240	4556.3503	15040	21960.946	4552.2613	19240
21919.227	4560	9263 143A0	21941.572	4556.2606	238A0	21961.136	4552.2224	127R0
21919.361	4560	8993 149A0	21942.165	4556.1583	16940	21961.235	4552.1956	13680
21919.694	4560	8291 148R0	21942.519	4556.0840	16040	21961.438	4552.1971	10780
21920.036	4560	7560 179A0	21942.825	4556.0173	26640	21961.666	4552.1826	175A0
21920.154	4560	7333 230A0	21942.837	4556.0173	12260	21961.751	4552.0748	17380
21920.548	4560	6514 141R0	21943.477	4555.9815	16640	21961.801	4552.0679	11882
21921.329	4560	4490 201R0	21943.016	4555.9815	16640	21962.104	4552.0218	22880
21922.234	4560	3066 139A0	21943.929	4555.7921	10540	21962.328	4551.9752	370C4
21922.364	4560	2737 138C4	21944.243	4555.7268	15140	21962.592	4551.9405	22180
21922.535	4560	2379 16580	21944.681	4555.6359	16340	21962.675	4551.8895	14380
21922.614	4560	2217 193A0	21945.061	4555.5570	14440	21962.742	4551.8895	14380
21923.054	4560	1301 140A0	21945.126	4555.5436	12780	21962.967	4551.8430	216A0
21923.551	4560	0267 117C8	21945.237	4555.4039	22580	21963.600	4551.6930	16340
21923.991	4560	9348 233A0	21946.727	4555.2051	18540	21963.772	4551.6760	137A0
21924.421	4559	8458 210A0	21947.126	4555.1283	14680	21964.038	4551.6210	17580
21924.659	4559	7993 215A0	21947.311	4555.0900	30040	21964.264	4551.5736	334A0
21924.957	4559	7343 287A0	21947.500	4555.0508	18340	21964.539	4551.5170	11840
21925.174	4559	6680 179A0	21948.525	4554.9802	15940	21965.345	4551.3718	14880
21925.397	4559	6429 338A0	21948.511	4554.9469	12680	21965.490	4551.3200	15880
21925.982	4559	5210 178R0	21949.734	4554.5671	27540	21966.237	4551.1852	124A0
21926.111	4559	4943 169A0	21949.800	4554.4739	13780	21966.609	4551.0862	204A0
21926.528	4559	4076 238A0	21950.378	4554.2336	19140	21966.718	4551.0657	14480
21926.672	4559	3777 162A0	21950.532	4554.2155	13340	21967.139	4551.0261	13880
21926.825	4559	3459 153A0	21950.632	4554.2007	13740	21967.139	4551.0261	13880
21927.438	4559	2183 150A0	21951.340	4554.2522	10140	21967.613	4550.8662	12940
21927.636	4559	1772 17180	21951.685	4554.2236	13280	21968.505	4550.6954	128A0
21927.746	4559	1542 135A0	21952.310	4554.0509	12580	21968.608	4550.6201	13640
21928.070	4558	9414 243A0	21952.310	4554.0509	12580	21968.987	4550.5955	11850
21930.728	4558	5946 13080	21953.088	4553.9122	13080	21968.987	4550.5955	11850
21930.738	4558	5345 194A0	21953.474	4553.8112	13380	21970.058	4550.3137	16340
21930.922	4558	4941 14080	21953.514	4553.7988	14080	21970.284	4550.3264	217A0
			21953.719	4553.7911	12380	21970.534	4550.2752	15282

SIGMA	WL	I P S CLASSIFICATION ION	SIGMA	WL	I P S CLASSIFICATION ION	SIGMA	WL	I P S CLASSIFICATION ION
21972.091	4549.9527	12290	21993.731	4545.4759	15280	21993.731	4545.4759	15280
21972.040	4549.8816	16500	21993.819	4545.4576	12900	21993.819	4545.4576	12900
21972.634	4549.8402	10840	21993.866	4545.4438	12980	21993.866	4545.4438	12980
21972.901	4549.7856	14540	21993.912	4545.4310	13580	21993.912	4545.4310	13580
21973.221	4549.7180	17140	21994.258	4545.3707	26640	21994.258	4545.3707	26640
21973.588	4549.6568	17140	21994.268	4545.3516	16400	21994.268	4545.3516	16400
21973.959	4549.5976	15940	21994.470	4545.3189	17000	21994.470	4545.3189	17000
21974.955	4549.5397	19140	21994.925	4545.2290	13780	21994.925	4545.2290	13780
21975.021	4549.5349	19480	21995.607	4545.0880	13680	21995.607	4545.0880	13680
21975.328	4549.2804	11880	21996.470	4544.9098	12080	21996.470	4544.9098	12080
21975.456	4549.2510	14540	21996.534	4544.8966	11780	21996.534	4544.8966	11780
21975.544	4549.2316	13840	21996.809	4544.8397	15280	21996.809	4544.8397	15280
21975.945	4549.1505	12880	21996.893	4544.8224	14480	21996.893	4544.8224	14480
21976.090	4549.1211	12540	21997.103	4544.7791	14980	21997.103	4544.7791	14980
21977.162	4548.9029	12840	21997.327	4544.7307	16280	21997.327	4544.7307	16280
21977.572	4548.8119	13441	21998.094	4544.6124	13580	21998.094	4544.6124	13580
21978.068	4548.5539	16280	21998.236	4544.5004	17180	21998.236	4544.5004	17180
21980.113	4548.2721	25040	21999.135	4544.3551	31740	21999.135	4544.3551	31740
21980.193	4548.2754	21090	21999.285	4544.3283	25440	21999.285	4544.3283	25440
21980.798	4548.1593	12480	21999.419	4544.3005	16580	21999.419	4544.3005	16580
21981.384	4548.0291	19180	21999.826	4544.2146	19980	21999.826	4544.2146	19980
21981.533	4547.9992	13540	22000.520	4544.0732	20640	22000.520	4544.0732	20640
21981.674	4547.9276	21040	22000.921	4543.9903	12980	22000.921	4543.9903	12980
21981.946	4547.9128	15280	22000.997	4543.9745	12780	22000.997	4543.9745	12780
21982.478	4547.8028	13840	22001.107	4543.9520	12580	22001.107	4543.9520	12580
21983.147	4547.6653	16740	22001.344	4543.9029	21340	22001.344	4543.9029	21340
21983.593	4547.5720	12540	22001.548	4543.8608	20240	22001.548	4543.8608	20240
21983.668	4547.5595	15740	22002.118	4543.7473	11580	22002.118	4543.7473	11580
21984.242	4547.4318	13440	22002.289	4543.7076	16380	22002.289	4543.7076	16380
21984.670	4547.3907	20180	22002.484	4543.6719	19180	22002.484	4543.6719	19180
21984.568	4547.3766	13980	22002.684	4543.6243	39500	22002.684	4543.6243	39500
21985.209	4547.3110	13080	22002.953	4543.5708	21480	22002.953	4543.5708	21480
21986.531	4546.9688	13940	22003.048	4543.5511	19300	22003.048	4543.5511	19300
21987.059	4546.8532	12340	22003.097	4543.5410	19280	22003.097	4543.5410	19280
21987.368	4546.7413	12280	22003.277	4543.5038	13580	22003.277	4543.5038	13580
21988.102	4546.6395	15800	22003.453	4543.4680	11780	22003.453	4543.4680	11780
21988.202	4546.6108	29840	22003.509	4543.4352	21140	22003.509	4543.4352	21140
21988.280	4546.6028	22480	22004.436	4543.2645	22440	22004.436	4543.2645	22440
21988.330	4546.5924	20700	22004.518	4543.2476	19480	22004.518	4543.2476	19480
21989.270	4546.5930	11940	22004.983	4543.2133	13180	22004.983	4543.2133	13180
21989.663	4546.5107	13280	22005.443	4543.0545	13780	22005.443	4543.0545	13780
21989.739	4546.5059	12440	22005.627	4543.0189	16480	22005.627	4543.0189	16480
21989.949	4546.4259	29840	22005.917	4542.9587	10980	22005.917	4542.9587	10980
21990.128	4546.4289	22180	22006.055	4542.9303	19280	22006.055	4542.9303	19280
21990.274	4546.4193	12980	22007.070	4542.8967	17480	22007.070	4542.8967	17480
21990.362	4546.4081	14740	22007.744	4542.8816	11280	22007.744	4542.8816	11280
21990.561	4546.3392	13780	22008.044	4542.8155	19340	22008.044	4542.8155	19340
21990.764	4546.0880	31140	22008.159	4542.8959	11480	22008.159	4542.8959	11480
21990.973	4546.0450	15180	22008.811	4542.8313	13480	22008.811	4542.8313	13480
21991.053	4546.0294	14980	22009.327	4542.7547	17940	22009.327	4542.7547	17940
21991.437	4545.9500	13680	22009.685	4542.6438	20040	22009.685	4542.6438	20040
21991.616	4545.9130	12080	22010.041	4542.61075	22880	22010.041	4542.61075	22880
21992.248	4545.7824	11980	22010.922	4542.5917	13480	22010.922	4542.5917	13480
21992.685	4545.7333	16080	22011.382	4542.5247	13880	22011.382	4542.5247	13880
21992.572	4545.7184	14180	22011.787	4542.4637	13880	22011.787	4542.4637	13880
21992.744	4545.6788	18880	22011.948	4542.4511	15840	22011.948	4542.4511	15840
21992.924	4545.6455	2512	22011.924	4542.4511	15840	22011.924	4542.4511	15840
21993.163	4545.5937	34040	22012.046	4542.4189	27840	22012.046	4542.4189	27840
21993.307	4545.5635	31940	22012.046	4542.4189	27840	22012.046	4542.4189	27840



SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
22029.455	4538.1046	26490	22047.735	4534.3416	15940	22067.849	4530.2089	13640
22030.103	4537.9711	17140	22047.949	4534.2077	10480	22068.314	4530.1134	13640
22030.483	4537.8928	11940	22048.070	4534.2710	12090	22069.372	4530.1015	11640
22030.681	4537.8521	14240	22048.055	4534.1528	13590	22069.537	4530.0877	11640
22030.794	4537.8290	14080	22049.041	4534.0733	26440	22069.725	4529.9304	11880
22031.007	4537.7849	22340	22049.339	4534.0129	11480	22069.703	4529.8285	13440
22031.586	4537.6658	15180	22049.499	4533.9868	13990	22069.959	4529.7159	16340
22031.721	4537.6378	17240	22050.358	4533.9025	12440	22070.082	4529.7506	14180
22032.434	4537.5706	26440	22050.508	4533.7109	22740	22070.184	4529.7294	20040
22033.453	4537.4260	10640	22050.950	4533.6808	14480	22070.312	4529.7033	30140
22033.466	4537.1898	10640	22051.093	4533.5515	14940	22070.381	4529.6872	20930
22034.274	4537.1116	20340	22051.375	4533.5522	22240	22070.924	4529.5778	12440
22034.306	4537.0269	12840	22051.814	4533.5031	10580	22071.154	4529.5285	16040
22034.622	4537.0473	13440	22052.173	4533.4264	16540	22071.248	4529.5032	12380
22035.289	4536.9031	12740	22052.410	4533.3395	11740	22071.349	4529.4706	14280
22035.610	4536.8370	17840	22052.748	4533.3055	16140	22071.697	4529.3781	19540
22035.603	4536.7912	14240	22054.077	4533.0381	16040	22072.278	4529.2988	16380
22035.900	4536.7712	15050	22054.209	4532.9108	20440	22072.699	4529.2544	12440
22036.442	4536.6857	13164	22054.325	4532.9870	17240	22072.803	4529.1800	16040
22036.750	4536.6014	30440	22054.377	4532.9743	15260	22072.803	4529.1800	16040
22037.034	4536.5566	12480	22054.910	4532.8647	17940	22073.303	4529.0732	15140
22037.263	4536.4989	13240	22054.944	4532.8463	12460	22073.795	4528.9886	15540
22037.566	4536.4362	12440	22054.113	4532.8196	17480	22074.151	4528.9156	13040
22037.659	4536.4152	13140	22054.302	4532.7907	31440	22074.229	4528.8995	15340
22037.865	4536.3687	16840	22054.549	4532.7246	12940	22074.287	4528.8876	13560
22038.004	4536.3439	18540	22054.758	4532.6849	15570	22074.518	4528.8403	11940
22038.291	4536.3191	24240	22054.805	4532.6773	17140	22075.006	4528.7403	10540
22039.484	4536.0347	21480	22054.889	4532.6600	13340	22075.187	4528.7112	13140
22039.954	4535.9423	13340	22055.217	4532.5925	11540	22075.731	4528.5915	15140
22040.154	4535.9015	23240	22055.740	4532.5610	12440	22076.428	4528.5115	12480
22040.792	4535.7703	19140	22055.879	4532.5424	12200	22076.164	4528.4480	21040
22041.061	4535.7560	14640	22057.010	4532.4503	14740	22076.288	4528.4152	16340
22041.703	4535.5893	15840	22058.224	4532.1858	11240	22076.824	4528.3868	16540
22041.884	4535.5685	27440	22058.002	4532.0376	13040	22077.957	4528.3169	15240
22042.080	4535.5038	19440	22059.134	4531.9684	16740	22078.248	4528.0751	17440
22042.734	4535.3678	9442	22059.311	4531.9224	13740	22078.680	4527.9455	20740
22042.824	4535.3514	10140	22060.434	4531.7313	14140	22078.995	4527.7170	15260
22043.063	4535.3031	16840	22060.560	4531.7059	15060	22080.112	4527.6329	26940
22043.122	4535.2767	15640	22060.449	4531.6876	23740	22080.393	4527.6352	11740
22043.237	4535.2471	20640	22061.001	4531.6153	12940	22080.542	4527.6047	23280
22043.364	4535.2003	11140	22061.810	4531.4286	16140	22080.695	4527.5134	16040
22044.144	4535.0761	13100	22062.052	4531.3992	17780	22081.258	4527.4563	21040
22044.368	4535.0349	10240	22062.511	4531.3571	17440	22081.337	4527.4417	17040
22045.460	4534.9516	11640	22062.744	4531.3291	13840	22081.574	4527.3820	10140
22045.746	4534.8556	12670	22062.920	4531.2796	12340	22081.789	4527.3499	9080
22045.867	4534.8268	22440	22063.002	4531.1857	13090	22081.992	4527.3074	14440
22045.967	4534.8084	12360	22063.324	4531.1371	30440	22082.133	4527.2820	10940
22045.980	4534.7846	10890	22063.413	4531.1147	20440	22082.309	4527.2524	10340
22045.903	4534.7480	11280	22063.593	4531.0820	11880	22082.782	4527.1454	18781
22046.499	4534.5960	26340	22063.886	4531.0227	16140	22083.015	4527.0976	6380
22046.602	4534.5750	17440	22064.444	4530.8941	12740	22083.101	4527.0891	12540
22046.807	4534.5192	13580	22065.081	4530.8036	17740	22083.210	4527.0377	14940
22047.067	4534.4793	10941	22065.081	4530.8036	14440	22083.131	4526.9998	13040
22047.214	4534.4491	15140	22064.585	4530.5446	31140	22083.378	4526.8688	12920
22047.325	4534.4262	12480	22064.985	4530.4541	12640	22084.374	4526.8192	10840
22047.612	4534.3673	13440	22064.784	4530.4272	16940	22084.408	4526.7916	13080
			22067.028	4530.3776	13780	22084.582	4526.7144	10820





SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION
22166.131	4506.0684	136A0	22186.696	4505.3355	11180	22203.511	4507.5293	147A0
22176.291	4508.0559	106A0	22188.935	4505.6870	140A0	22203.732	4507.4844	9580
22176.431	4508.0275	136A0	22189.213	4503.4305	121A0	22203.866	4502.4572	186A0
22176.542	4508.0049	147A0	22189.610	4505.3449	96C8	22203.946	4502.4410	12360
22176.599	4507.9933	158A0	22190.020	4505.3073	139A0	22204.122	4502.4052	187A0
22177.056	4507.9005	11980	22190.063	4505.2580	146A0	22204.423	4502.3443	19380
22177.410	4507.8285	131A0	22190.392	4505.1913	240A0	22204.797	4502.2885	252A0
22177.565	4507.7928	136A0	22190.573	4505.1747	139C8	22204.880	4502.2515	161C8
22178.023	4507.7078	126A0	22190.674	4505.1338	151A0	22204.961	4502.2303	198A0
22178.326	4507.6423	12380	22190.854	4505.0974	110A0	22205.036	4502.1509	191A0
22179.187	4507.4572	158A0	22191.325	4505.0606	152A0	22205.347	4502.1509	130A0
22179.264	4507.4516	159A0	22191.752	4504.9150	109C8	22205.548	4502.1167	116A0
22180.029	4507.4291	92A0	22191.821	4504.9011	135A0	22205.778	4502.0695	131A0
22180.532	4507.1938	98A0	22191.999	4504.8649	258A0	22205.857	4502.0535	166A0
22180.711	4507.1575	115A0	22192.079	4504.8447	195C8	22206.271	4501.9696	11380
22180.938	4507.1114	189A0	22192.339	4504.7958	123A0	22206.524	4501.9184	179A0
22181.004	4507.0991	161A0	22192.591	4504.7245	206A0	22206.599	4501.9031	154A0
22181.120	4507.0745	136A0	22192.949	4504.6722	124A0	22206.701	4501.8824	116A0
22181.252	4507.0476	12280	22193.224	4504.6162	169A0	22207.012	4501.8194	106A0
22181.372	4507.0233	203A0	22193.525	4504.5350	142A0	22207.457	4501.7392	114A0
22181.759	4506.9147	6580	22193.897	4504.4798	127A0	22208.147	4501.5892	8680
22181.993	4506.8970	11280	22194.333	4504.4912	12380	22208.736	4501.4699	276A0
22182.072	4506.8806	101A0	22194.596	4504.4743	123A0	22209.741	4501.3676	2080
22182.256	4506.8437	125A0	22194.722	4504.4122	11980	22209.699	4501.3152	179A0
22182.489	4506.7792	118A0	22194.909	4504.3742	13980	22209.503	4501.2334	6680
22182.588	4506.7591	108A0	22194.979	4504.3600	118A0	22210.020	4501.2096	185A0
22182.704	4506.7266	187A0	22195.092	4504.2372	131A0	22210.467	4501.1190	10280
22182.795	4506.7140	134A0	22195.234	4504.2084	124A0	22210.538	4501.1046	11080
22182.864	4506.7140	11280	22195.281	4504.1583	224A0	22210.766	4501.0584	152A0
22183.059	4506.6805	169A0	22195.573	4504.1396	128C8	22211.207	4500.9691	126A0
22183.273	4506.6369	136C8	22195.718	4504.1101	118A0	22211.603	4500.9111	9580
22183.415	4506.6091	133A0	22195.994	4504.0541	106A0	22211.969	4500.8006	82C8
22183.509	4506.5880	137A0	22196.117	4504.0291	129A0	22212.332	4500.7412	10480
22183.751	4506.5348	144A0	22196.564	4503.9365	180A0	22212.409	4500.7255	119A0
22183.964	4506.4982	181A0	22196.860	4503.8783	130C8	22212.559	4500.6951	12480
22184.041	4506.4810	111C8	22197.153	4503.8189	131C8	22212.652	4500.6764	151A0
22184.181	4506.4526	94C8	22197.324	4503.8045	162A0	22212.919	4500.6223	128A0
22184.371	4506.4252	145A0	22197.441	4503.7547	122A0	22213.378	4500.5823	152A0
22184.472	4506.3763	125A0	22197.974	4503.6681	199A0	22213.993	4500.4846	156A0
22184.735	4506.3501	101A0	22198.180	4503.6106	12280	22214.187	4500.3652	101A0
22185.138	4506.2561	9480	22198.298	4503.5867	171A0	22214.324	4500.3376	11480
22185.334	4506.1790	239A0	22198.463	4503.5531	10180	22214.662	4500.2691	103C8
22185.524	4506.1797	235A0	22198.584	4503.5285	161A0	22214.733	4500.2568	119A0
22185.955	4506.1450	137A0	22199.081	4503.4277	9480	22214.911	4500.2167	133A0
22186.045	4506.0878	191A0	22199.245	4503.3943	124A0	22215.067	4500.1870	9280
22186.209	4506.0407	196A0	22199.722	4503.2978	108A0	22215.156	4500.1591	10580
22186.518	4505.9779	134A0	22199.887	4503.2642	10480	22215.488	4500.1017	125A0
22186.666	4505.9477	10380	22200.631	4503.1133	64A0	22215.602	4500.0787	165A0
22186.810	4505.9185	174A0	22200.687	4503.1133	328A0	22215.931	4500.0120	107A0
22186.960	4505.8881	104A0	22200.964	4503.0453	10880	22216.115	4499.9748	10880
22187.193	4505.8458	10380	22201.177	4503.0026	37A0	22216.308	4499.9232	270A0
22187.783	4505.7808	128A0	22201.391	4502.9592	9960	22216.440	4499.9089	169C8
22187.879	4505.7014	150A0	22201.981	4502.8797	99A0	22216.702	4499.8559	143A0
22187.964	4505.6842	10980	22202.030	4502.8297	135A0	22216.810	4499.8339	143A0
22188.531	4505.5691	161A0	22202.026	4502.7088	156A0	22216.970	4499.8015	153A0
22188.616	4505.5518	118A0	22202.994	4502.6341	446A0	22217.159	4499.7633	167A0
			22203.182	4502.6020	102A0	22217.245	4499.7458	129C8
						22217.777	4499.6381	197A0

SIGMA	ML	I PS	CLASSIFICATION	ION	SIGMA	ML	I PS	CLASSIFICATION	ION	SIGMA	ML	I PS	CLASSIFICATION	ION
22217.979	4499.5972	11040			22233.991	4499.3770	19180			22241.591	4499.4161	16640		
22218.042	4499.5844	9880			22234.135	4496.3217	14440			22243.666	4499.4009	10880		
22218.339	4499.5243	10740			22234.205	4496.3135	13140			22244.105	4499.3123	12380		
22218.705	4499.4503	15440			22234.335	4496.2971	16040			22244.169	4499.2994	13240		
22219.325	4499.3247	11740			22234.416	4496.2707	10980			22244.763	4499.1792	14440		
22219.555	4499.2761	13440			22234.586	4496.2365	26340			22245.550	4499.0821	11880		
22219.753	4499.2390	13140			22234.663	4496.2209	15708			22245.747	4499.0806	17140		
22219.944	4499.1909	10540			22234.895	4496.1739	11580			22245.904	4499.0687	15140		
22220.168	4499.1327	25840			22235.165	4496.1192	12940			22246.164	4499.0663	22740		
22220.273	4499.1327	25840			22236.382	4496.0733	12340			22246.608	4499.0666	15008		
22220.553	4499.0760	9880			22236.854	4495.8182	13440			22246.718	4499.0643	26340		
22220.705	4499.0452	11240			22236.954	4495.7893	15980			22247.012	4499.07250	11580		
22221.149	4499.9554	17740			22237.041	4495.7723	20140			22247.122	4499.07028	15740		
22221.240	4499.9370	12490			22237.041	4495.7723	20140			22247.755	4499.15750	9090		
22221.240	4499.9370	12490			22237.070	4495.7342	13740			22248.313	4499.0623	11240		
22222.025	4498.7718	8440			22237.348	4495.6778	13540			22249.727	4499.3785	13140		
22222.255	4498.7314	26140			22237.348	4495.6778	13540			22249.790	4499.3658	15440		
22222.375	4498.7071	13408			22237.524	4495.5624	13540			22249.886	4499.1445	15440		
22222.637	4498.6540	13940			22237.524	4495.5624	13540			22249.907	4499.1422	9280		
22223.081	4498.5641	8980			22237.534	4495.6025	11908			22249.963	4499.1308	11940		
22223.194	4498.5413	11280			22237.585	4495.6299	14308			22249.963	4499.1308	11940		
22223.500	4498.4784	17040			22237.738	4495.6183	19340			22249.963	4499.1308	11940		
22223.620	4498.4590	11840			22237.738	4495.5992	13540			22249.963	4499.1308	11940		
22223.695	4498.4399	11140			22237.919	4495.5364	13540			22249.963	4499.1308	11940		
22224.175	4498.3427	9880			22238.058	4495.5364	13540			22249.963	4499.1308	11940		
22224.462	4498.2847	17408			22238.236	4495.4945	17540			22250.147	4499.0878	16440		
22224.511	4498.2748	19408			22238.270	4495.4914	16640			22250.291	4499.0929	20240		
22224.574	4498.2599	16240			22238.397	4495.4651	19540			22250.399	4499.0410	30140		
22224.774	4498.2215	9380			22238.700	4495.4651	19540			22250.541	4499.0123	16508		
22224.891	4498.1978	13440			22238.824	4495.3796	16440			22250.620	4499.0963	13580		
22225.114	4498.1523	2108			22239.031	4495.3777	15640			22250.828	4499.0923	11240		
22225.169	4498.1416	12440			22239.031	4495.3777	15640			22250.917	4499.0923	11240		
22226.149	4497.9038	16740			22239.087	4495.2839	19240			22251.015	4499.0923	11240		
22226.352	4497.8819	25440			22239.650	4495.2530	2740			22251.239	4499.0923	11240		
22226.704	4497.8308	7808			22239.843	4495.2140	17140			22251.297	4499.0897	25840		
22227.125	4497.7436	18640			22239.843	4495.2140	17140			22251.374	4499.0840	19380		
22227.574	4497.6548	10840			22240.103	4495.1210	14440			22251.514	4499.08158	13380		
22227.686	4497.6321	15240			22240.168	4495.1078	13640			22251.663	4499.07898	12440		
22227.937	4497.5814	16740			22240.873	4495.0463	15040			22251.831	4499.07317	15240		
22228.290	4497.5100	24740			22240.524	4495.0340	15140			22252.148	4499.06878	13140		
22228.604	4497.4494	11408			22240.826	4495.0096	15140			22252.387	4499.06396	31140		
22228.643	4497.4394	12140			22241.039	4494.9748	4580			22252.515	4499.06138	17880		
22228.839	4497.3989	10840			22241.136	4494.9318	10708			22252.515	4499.05856	11040		
22228.917	4497.3830	12440			22241.263	4494.8864	13940			22252.807	4499.05468	11080		
22229.155	4497.3349	15340			22241.263	4494.8864	13940			22253.111	4499.04933	11780		
22229.222	4497.3213	12740			22241.426	4494.8536	11880			22253.455	4499.04239	15040		
22229.336	4497.2944	15440			22241.516	4494.8355	13540			22253.541	4499.04065	19040		
22229.866	4497.1911	9080			22241.606	4494.8173	13840			22253.734	4499.03676	14140		
22230.530	4497.0560	18040			22241.733	4494.7910	11740			22254.172	4499.02791	13640		
22230.885	4496.9890	12480			22241.733	4494.7910	11740			22254.278	4499.02579	10680		
22231.025	4496.9507	16740			22242.125	4494.7125	36940			22254.415	4499.02301	10380		
22231.553	4496.8499	12140			22242.397	4494.6257	17840			22255.011	4499.01998	9940		
22232.369	4496.6847	10108			22242.554	4494.6257	13840			22255.067	4499.01984	9580		
22232.467	4496.6850	15240			22242.677	4494.6008	13540			22255.251	4499.01998	15040		
22232.732	4496.6113	22540			22242.789	4494.5782	17308			22255.471	4499.01711	11740		
22232.879	4496.5816	13840			22242.905	4494.5547	27740			22255.649	4499.01911	16740		
22233.287	4496.4991	10480			22242.905	4494.5547	27740			22255.782	4499.01942	12240		
22233.386	4496.4791	11240			22243.079	4494.5398	20280			22256.162	4499.01942	12240		
22233.705	4496.4145	10406			22243.240	4494.4871	14340			22256.426	4499.01841	13640		
22233.828	4496.3898	15440			22243.508	4494.4328	12508			22256.780	4499.017528	9440		
					22243.508	4494.4328	12508			22256.963	4499.017159	8208		





SIGMA	WL	I	PS	CLASSIFICATION	ION	SIGMA	WL	I	PS	CLASSIFICATION	ION	SIGMA	WL	I	PS	CLASSIFICATION	ION	
22327.73R	4475.4732	13240	32562	4	1020R	4	1	22375.966	4667.8230	17640	30240	6	7064	5	1			
22327.73R	4475.4535	11440	32562	3	1020R	4	1	22376.077	4467.8048	14538	32723	7	10367	6	1			
22328.109	4475.3949	12900	29936	5	7598	5	2	22376.148	4467.7906	15340	34344	6	11968	5	1			
22328.109	4475.3673	12540	29936	5	7598	5	2	22376.267	4467.7829	13180	34344	6	11968	5	1			
22328.385	4475.3956	12540						22376.343	4467.7704	12580								
22328.624	4475.2956	15840						22376.343	4467.7704	12580								
22328.761	4475.2692	18740						22376.983	4467.6538	15140								
22328.847	4475.2590	17440	26207	4	5068	3	1	22377.068	4467.6069	13440	34739	4	12362	4	1			
22328.870	4475.2284	11780						22377.764	4467.4681	19440	22377	5	0	6	1			
22329.064	4475.2074	11040						22378.098	4467.4013	19440								
22329.166	4475.1870	13040						22378.175	4467.3859	14480								
22329.339	4475.1630	15740						22378.516	4467.3179	18940								
22329.507	4475.1187	17340	26207	3	3068	3	1	22379.526	4467.1161	13580								
22329.652	4475.0497	14580						22379.787	4467.0642	23740	29978	6	7598	5	2			
22330.028	4474.9784	16740	33797	5	11457	6	1	22380.336	4466.9545	13380								
22330.611	4474.8976	15340						22380.565	4466.9049	15180	32441	4	10081	5	1			
22330.780	4474.8638	14280						22380.825	4466.8570	14340								
22330.868	4474.8442	15040						22380.925	4466.8490	11780								
22331.540	4474.7716	16140	30663	6	8521	2	2	22381.271	4466.7957	15480								
22331.540	4474.7274	18840						22381.342	4466.7857	15340								
22332.290	4474.5674	15690						22381.526	4466.7171	22840	30500	6	8116	7	1			
22332.522	4474.5389	17540	31199	3	8856	2	1	22381.623	4466.6977	14438								
22332.675	4474.4842	14940	31221	4	8878	3	1	22382.005	4466.6215	11780								
22332.733	4474.4726	16540						22382.445	4466.5337	13480								
22332.847	4474.4497	15540						22382.599	4466.5028	15240								
22333.780	4474.2628	18040						22382.868	4466.4492	13540	36059	7	11677	7	1			
22334.088	4474.2017	14140						22383.090	4466.4049	13840	34016	4	11633	5	1			
22334.284	4474.1621	13540						22383.431	4466.3369	15180								
22334.466	4474.1256	14280						22383.653	4466.2927	23240	29487	2	7103	3	1			
22334.819	4474.0549	16740						22384.126	4466.1943	13740								
22335.174	4473.7837	13490						22384.256	4466.1443	13740								
22336.295	4473.7594	16140						22384.684	4466.0927	13180								
22336.607	4473.7049	16480						22384.893	4466.0452	14280								
22336.561	4473.7041	16480						22384.773	4465.9923	12840								
22337.613	4473.4955	18740						22385.754	4465.9736	15040	32926	4	10540	3	1			
22338.297	4473.3586	20840						22386.266	4465.7712	13240	30504	7	8118	7	1			
22338.612	4473.2394	19240						22386.455	4465.7336	16180								
22339.015	4473.2149	15540						22386.525	4465.7197	16940								
22339.257	4473.1694	17040						22386.633	4465.6981	14080	29934	3	7547	3	2			
22339.226	4472.9784	16840	31206	2	8956	2	1	22386.972	4465.6304	13780								
22339.433	4472.9310	13740	30860	5	8510	5	2	22387.083	4465.6083	12540								
22339.567	4472.9043	11180	28341	4	5991	4	1	22387.414	4465.5422	18140	26840	4	4453	4	1			
22339.643	4472.8890	12240						22387.692	4465.4868	13380								
22339.839	4472.8497	13680						22388.997	4465.3119	14140								
22341.293	4472.7589	14980						22389.176	4465.2655	13180								
22341.422	4472.7322	12180						22389.434	4465.1595	13680								
22341.779	4472.6618	14940						22389.576	4465.1111	29540	24684	4	2294	5	2			
22341.941	4472.6294	15940						22390.228	4464.9708	13480	22389	5	0	4	2			
22342.267	4472.5640	17040						22390.352	4464.9563	17640								
22342.741	4472.4970	12370	50663	6	8510	5	2	22390.596	4464.9676	11480								
22342.692	4472.4692	16940	26114	5	5742	5	1	22391.348	4464.7577	14580								
22343.037	4472.4101	13780						22391.403	4464.7467	13538								
22343.191	4472.3791	21880						22391.527	4464.7220	14644								
22343.436	4472.3301	40364	22642	4	269	5	2	22391.591	4464.7192	15540								
			26636	6	6293	6	2	22391.726	4464.6884	14040								
22343.574	4472.3026	29938						22391.836	4464.6685	15840								
22343.710	4472.2764	20080						22392.165	4464.5967	13840								
22343.684	4472.2461	16580						22392.309	4464.5661	18640								
22344.039	4472.2074	13480																



SIGMA	I	PS	CLASSIFICATION	ION	WL	SIGMA	I	PS	CLASSIFICATION	ION	WL	SIGMA	I	PS	CLASSIFICATION	ION
22392.396	466A	5488	15340		22411.275	4460	7878	14340		22429.592	4457	1448	11580			
22392.596	466A	5088	13761		22411.566	4460	7299	20440		22429.864	4457	0909	25940			
22392.876	466A	4530	26640		22412.582	4460	5276	22440		22430.305	4457	0032	12580			
22393.213	466A	3857	16640		22413.433	4460	3562	13440		22430.431	4457	0782	12208			
22393.576	466A	3134	14540		22414.700	4460	1061	15440		22430.679	4456	9286	23980			
22393.831	466A	2627	20340		22415.005	4460	1044	16940		22430.839	4456	8971	26640			
22394.395	466A	1521	14740		22415.113	4460	0240	14580		22430.924	4456	8801	18008			
22394.472	466A	1348	13180		22415.263	4459	0941	12780		22431.237	4456	8179	13262			
22394.707	466A	0981	14640		22416.085	4459	8306	19640		22431.873	4456	7711	39400			
22394.872	466A	0521	13880		22416.254	4459	7970	14180		22431.559	4456	7540	15608			
22394.974	466A	0348	13740		22416.320	4459	7838	17280		22431.661	4456	7377	12580			
22395.370	466A	958	17340		22417.003	4459	6478	15680		22431.913	4456	6936	19140			
22396.000	466A	8503	16040		22417.076	4459	6330	14040		22432.147	4456	6372	13480			
22396.421	466A	7484	25240		22417.337	4459	5816	11980		22432.219	4456	6229	14240			
22396.627	466A	7052	13800		22417.545	4459	5491	12480		22432.468	4456	5594	12840			
22397.461	466A	5131	13680		22418.964	4459	4567	12480		22432.760	4456	5153	15440			
22397.622	466A	5071	14642		22418.555	4459	3391	12280		22433.118	4456	4443	10440			
22398.475	466A	3370	13480		22419.290	4459	1931	13480		22433.555	4456	3575	20440			
22398.694	466A	2933	17840		22419.579	4459	1355	15340		22433.643	4456	3400	12608			
22398.836	466A	2650	16880		22419.660	4459	1194	18140		22433.992	4456	2707	12580			
22399.070	466A	2194	13180		22420.289	4458	0943	19040		22434.109	4456	2574	13780			
22399.337	466A	1672	15240		22420.384	4458	0754	13580		22434.206	4456	2282	1180			
22399.655	466A	1019	13540		22420.472	4458	0579	12580		22434.327	4456	2041	13640			
22400.077	466A	0179	15180		22420.555	4458	0214	12580		22434.526	4456	1647	12380			
22400.325	466A	0484	37240		22420.758	4458	0010	12940		22434.857	4456	1048	13040			
22400.586	466A	844	13904		22421.116	4458	8299	14880		22435.440	4456	9830	11680			
22400.892	466A	8574	15640		22421.281	4458	7944	12280		22435.629	4456	9455	17040			
22401.271	466A	7739	25840		22421.301	4458	7812	12480		22435.781	4456	9154	14280			
22401.429	466A	7435	23740		22421.506	4458	7594	19280		22435.946	4456	8825	25740			
22401.703	466A	6938	16140		22421.759	4458	7019	40140		22436.185	4456	8350	13840			
22401.775	466A	6795	16240		22422.037	4458	6467	16580		22436.621	4456	7486	13180			
22402.034	466A	6279	27840		22422.195	4458	6153	20140		22436.822	4456	7086	14840			
22402.119	466A	6110	15408		22422.374	4458	5797	12980		22436.955	4456	6821	11780			
22402.451	466A	5449	15280		22422.505	4459	5537	19480		22437.133	4456	6467	16440			
22402.687	466A	4979	14540		22422.897	4458	4757	11780		22437.340	4456	6057	22740			
22402.957	466A	4440	13980		22423.192	4458	4170	14408		22438.140	4456	4468	26140			
22403.190	466A	3977	15580		22423.278	4458	3998	19040		22438.306	4456	3961	12780			
22403.491	466A	3377	21940		22423.559	4458	3440	13980		22438.708	4456	3345	11780			
22403.697	466A	2986	27480		22424.206	4458	2791	13240		22439.028	4456	3101	13640			
22403.905	466A	2552	16580		22424.293	4458	2155	27440		22439.185	4456	2993	23340			
22403.914	466A	2535	16440		22424.293	4458	1980	15008		22439.275	4456	2815	13308			
22404.002	466A	2359	21940		22424.734	4458	1094	23340		22439.481	4456	1805	14280			
22405.127	466A	0119	13140		22424.872	4458	0859	12480		22440.007	4456	0760	15380			
22405.188	466A	0997	12380		22425.603	4457	9377	16540		22440.137	4456	0502	15280			
22405.537	466A	9302	14880		22426.000	4457	8587	19240		22440.223	4456	0332	11280			
22406.557	466A	8146	22240		22426.274	4457	8044	19440		22440.913	4456	5963	12780			
22406.557	466A	7833	21540		22426.374	4457	7845	13940		22441.573	4456	4765	19140			
22407.516	466A	5361	12280		22427.045	4457	6710	15480		22442.524	4456	3765	14340			
22407.726	466A	4543	14080		22427.220	4457	6560	13980		22442.596	4456	3621	15140			
22408.974	466A	4449	35940		22427.111	4457	6379	14240		22443.786	4456	2644	10580			
22408.238	466A	3923	27440		22427.577	4457	5533	12608		22443.041	4456	2739	11180			
22408.646	466A	3509	14280		22427.612	4457	5304	13180		22443.142	4456	2538	11240			
22408.770	466A	2864	16580		22427.795	4457	5019	14880		22443.618	4456	3394	12980			
22409.188	466A	2032	15140		22428.045	4457	4527	36740		22443.721	4456	3390	13308			
22409.258	466A	1992	12280		22428.333	4457	3991	13804		22443.859	4456	3114	23140			
22409.595	466A	1522	13280		22428.501	4457	3617	13180		22444.361	4456	2079	18480			
22409.821	466A	0772	15580		22428.603	4457	3414	15240		22444.677	4456	1492	11080			
22410.321	466A	0776	12680		22428.763	4457	3095	11480		22444.793	4456	1261	9780			
22410.575	466A	0970	30740		22429.264	4457	2100	16280		22445.198	4456	0458	14180			
22410.825	466A	0873	13380		22429.498	4457	1635	12880		22445.782	4456	0299	15200			

SIGMA	ML	I PS	CLASSIFICATION	ION	SIGMA	ML	I PS	CLASSIFICATION	ION	SIGMA	ML	I PS	CLASSIFICATION	ION	
22455.932	4453.401	1460			22478.789	4447.3897	13980			22480.096	4447.094	1538			
22455.263	4453.433	16740	35807 6	13361 6	1	22479.130	4447.3222	12780		22480.302	4447.094	1538			
22446.370	4453.619	12780			22479.175	4447.3134	12408			22480.552	4447.0410	13240			
22446.467	4453.7939	13190			22479.747	4447.2002	17740	30859 3	8379 4	2	22480.775	4446.9668	17440		
22446.631	4453.7615	18540			22479.949	4447.1602	10880			22480.976	4446.9570	13780			
22446.887	4453.7105	16640			22480.096	4447.1312	12880			22481.294	4446.8841	13680			
22447.071	4453.6747	13280			22480.302	4447.094	1538			22481.521	4446.8693	11380			
22447.271	4453.6345	11380			22480.552	4447.0410	13240			22481.977	4446.7591	14580			
22448.033	4453.4833	11940			22480.775	4446.9668	17440			22482.716	4446.6129	15480			
22448.137	4453.4625	12340			22480.976	4446.9570	13780			22482.927	4446.5712	13181			
22448.218	4453.4470	14080			22481.294	4446.8841	13680			22483.177	4446.5218	34440	26758 7	4275 6	1
22449.153	4453.3831	14080			22481.521	4446.8693	11380			22483.459	4446.4659	13780			
22449.378	4453.2614	16480			22481.977	4446.7591	14580			22483.698	4446.4187	28440			
22449.834	4453.1260	12480			22482.716	4446.6129	15480			22483.890	4446.3808	13380			
22449.892	4453.1148	13680			22482.927	4446.5712	13181			22484.150	4446.3394	33940	26759 5	4275 6	1
22450.006	4453.0919	12780			22483.177	4446.5218	34440			22484.425	4446.2750	12180			
22450.407	4453.0183	15740			22483.459	4446.4659	13780			22484.757	4446.2093	16180			
22450.571	4452.9798	12190			22483.698	4446.4187	28440			22484.862	4446.1885	13580			
22450.820	4452.9304	13150			22483.890	4446.3808	13380			22485.047	4446.1521	12980			
22451.064	4452.8819	13280			22484.150	4446.3394	33940			22485.532	4446.0562	14940			
22451.228	4452.8495	12780			22484.425	4446.2750	12180			22485.750	4446.0129	10780			
22451.480	4452.7977	20940			22484.757	4446.2093	16180			22486.001	4445.9634	22540	27887 2	8401 3	2
22452.039	4452.6895	11980			22484.862	4446.1885	13580			22486.798	4445.8058	19880	26287 6	3800 7	2
22452.173	4452.6620	12880			22485.047	4446.1521	12980			22486.991	4445.7675	13680			
22452.295	4452.6379	13840			22485.532	4446.0562	14940			22487.415	4445.737	14980	30085 5	7898 5	2
22452.612	4452.6147	11480			22485.750	4446.0129	10780			22487.559	4445.6954	12380	32742 5	10254 5	1
22452.722	4452.5532	11281			22485.963	4445.6590	17440			22487.759	4445.6158	11880	34046 3	11558 4	1
22452.969	4452.5081	14640			22486.001	4445.6158	11880			22488.350	4445.5802	14240			
22453.056	4452.4989	12380			22486.798	4445.4525	14880			22488.529	4445.4525	14880			
22453.113	4452.4756	12980			22486.991	4445.4242	16140			22488.926	4445.3850	16840	30622 5	8133 4	1
22453.282	4452.4420	11040			22487.415	4445.397	14980			22489.193	4445.3293	10380			
22453.361	4452.4265	12640			22487.559	4445.374	16040			22489.360	4445.2805	10480	30353 5	7864 5	1
22453.941	4452.3115	12840			22487.759	4445.3494	15040			22489.658	4445.2405	10980			
22454.133	4452.2734	13640			22487.991	4445.3242	16140			22489.930	4445.1866	12880			
22454.230	4452.2541	11480			22488.350	4445.1802	14240			22490.017	4445.1694	13080			
22454.301	4452.2401	12080			22488.529	4445.1426	14880			22490.179	4445.1374	16040			
22454.450	4452.2105	10480			22488.926	4445.1057	11280			22490.253	4445.1228	13380			
22454.581	4452.1845	14440	32709 6	10254 5	1	22489.193	4445.0574	11280		22490.430	4445.0878	12580			
22455.297	4452.1497	11980			22489.360	4445.0574	11280			22490.580	4445.0574	11280			
22455.750	4451.9757	16080			22489.658	4445.0205	10980			22491.218	4444.9321	11880			
22455.758	4451.9513	11208			22489.930	4445.0129	10780			22491.823	4444.8376	14640			
22456.915	4451.9201	12080			22490.017	4445.0129	10780			22491.647	4444.8473	11280			
22456.942	4451.8934	15440			22490.179	4445.0129	10780			22491.788	4444.8194	11280			
22456.797	4451.7453	13640			22490.253	4445.0129	10780			22492.056	4444.7664	11880			
22456.969	4451.7112	12680			22490.430	4445.0129	10780			22492.225	4444.7331	14480			
22457.272	4451.6511	12980			22490.580	4445.0129	10780			22492.472	4444.6842	36640	30138 9	7645 0	1
22457.828	4451.5408	12680			22491.218	4444.9321	11880			22492.740	4444.6312	14080			
22458.064	4451.4940	29840	35585 9	13127 9	1	22491.823	4444.8376	14640							
22458.066	4451.4665	12380			22491.647	4444.8194	11280								
22458.874	4451.3336	14740			22491.788	4444.8194	11280								
22459.161	4451.2109	12480			22492.056	4444.7664	11880								
22459.491	4451.1909	12880			22492.225	4444.7331	14480								
22459.563	4451.1823	12880			22492.472	4444.6842	36640								
22459.637	4451.1683	11980													
22460.128	4451.0850	13740													
22460.748	4450.9620	13080													
22460.834	4450.9450	10780													
22461.041	4450.9040	14680													

SIGMA	WL	I P5 CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
2292.928	4444.5962	14580	22512.461	4440.7375	39840	22530.100	4437.2609	11680
2293.074	4444.5613	13080	22512.791	4440.6825	15880	22530.524	4437.1175	17840
2293.272	4444.5261	15840	22512.891	4440.6522	12380	22530.605	4437.1615	13080
2293.582	4444.4659	13840	22513.083	4440.6150	15480	22531.036	4437.0766	14340
2294.177	4444.3473	11280	22513.350	4440.5623	12680	22531.173	4437.0495	13140
2294.429	4444.2976	11880	22513.424	4440.5478	17880	22531.269	4437.0307	13090
2294.579	4444.2679	12080	22513.583	4440.5164	13480	22531.721	4436.9416	27240
2294.961	4444.2517	14280	22513.912	4440.4712	15240	22531.812	4436.9236	18440
2295.347	4444.1161	12880	22513.901	4440.4537	12980	22532.174	4436.8525	14080
2295.569	4444.0723	14340	22513.989	4440.4364	10380	22532.375	4436.8129	20080
2296.931	4443.8032	11080	22514.444	4440.3450	28240	22532.522	4436.7840	20080
2297.514	4443.6877	10480	22515.042	4440.2286	11280	22532.732	4436.7426	12080
2297.688	4443.6538	21640	22515.952	4440.0791	15340	22532.963	4436.6971	14740
2297.896	4443.6137	15480	22516.262	4439.9268	23480	22533.553	4436.5809	11580
2298.056	4443.5866	14880	22517.843	4439.6763	13480	22533.601	4436.5714	11680
2298.404	4443.5118	13980	22517.843	4439.6763	13480	22534.581	4436.3787	13740
2298.817	4443.4308	13540	22517.843	4439.6763	13480	22535.134	4436.2697	12180
2299.287	4443.3389	15840	22517.843	4439.6763	13480	22535.435	4436.2105	10480
2299.658	4443.2666	18340	22517.843	4439.6763	13480	22536.058	4436.0878	12680
22500.385	4443.1210	12080	22518.046	4439.6363	13780	22536.462	4436.0084	9880
22500.611	4443.0761	11780	22518.477	4439.5513	13480	22536.732	4435.9551	13680
22502.168	4442.7690	15640	22518.573	4439.5324	11880	22537.008	4435.9009	25640
22502.299	4442.7431	19140	22518.853	4439.4771	14240	22537.408	4435.8220	14340
22502.436	4442.7160	14180	22519.311	4439.3869	14940	22537.607	4435.7828	12280
22502.801	4442.6440	16280	22519.632	4439.3236	10780	22537.805	4435.7439	9480
22503.969	4442.6109	15780	22519.877	4439.2754	14880	22538.077	4435.6905	17140
22503.184	4442.5759	16280	22520.591	4439.1503	11180	22538.313	4435.6428	12780
22503.454	4442.5151	13080	22520.952	4439.0831	12741	22538.421	4435.6328	12180
22503.726	4442.4857	12480	22520.952	4439.0831	12741	22538.633	4435.5509	11680
22504.616	4442.4287	14480	22521.975	4439.0589	11880	22538.882	4435.5320	30840
22505.119	4442.1864	11880	22521.720	4438.9120	15140	22539.320	4435.4858	12280
22505.207	4442.1600	12480	22521.844	4438.8876	13280	22539.434	4435.4234	13880
22506.106	4441.9917	17780	22522.114	4438.8344	11780	22539.557	4435.3795	12380
22506.210	4441.9712	23540	22522.114	4438.8344	11780	22540.592	4435.3154	17180
22506.481	4441.9176	12880	22522.243	4438.8090	15940	22540.728	4435.1687	24740
22506.821	4441.8505	15940	22522.533	4438.7321	16640	22540.813	4435.1521	15780
22506.950	4441.8233	14140	22523.919	4438.6756	20840	22541.028	4435.1098	11880
22507.605	4441.6937	17640	22523.058	4438.6483	11680	22541.801	4434.9576	15840
22508.067	4441.6046	9480	22523.281	4438.6046	17940	22541.964	4434.9252	22640
22508.545	4441.5103	25140	22523.921	4438.5782	14580	22542.088	4434.9012	26440
22508.630	4441.4935	14180	22524.347	4438.5338	26840	22542.258	4434.8606	20440
22508.847	4441.4506	16840	22524.392	4438.3954	11480	22542.538	4434.8126	20440
22509.008	4441.4189	11680	22524.832	4438.3776	11780	22542.626	4434.7916	14880
22509.263	4441.3685	11580	22524.649	4438.3347	10980	22542.797	4434.7516	13480
22509.391	4441.3434	11980	22524.790	4438.3070	1180	22543.191	4434.6841	12380
22509.539	4441.3229	14180	22525.016	4438.2626	14380	22543.474	4434.6284	10880
22509.458	4441.3144	12080	22525.163	4438.2335	11580	22543.720	4434.5801	16580
22509.839	4441.2549	14880	22525.485	4438.1701	12640	22543.964	4434.5321	37140
22510.149	4441.1937	26440	22526.526	4438.0959	12940	22544.249	4434.4759	14780
22510.449	4441.1347	25740	22526.526	4438.0959	12940	22544.408	4434.4447	12380
22510.629	4441.1097	22940	22526.971	4437.9647	15240	22544.489	4434.4288	10580
22510.788	4441.0677	33240	22527.355	4437.9167	11580	22545.014	4434.3256	19840
22511.027	4441.0205	14580	22527.587	4437.8422	16940	22545.189	4434.2911	13580
22511.212	4440.9840	14440	22527.587	4437.8422	16940	22545.4297	4434.2499	13480
22511.626	4440.8659	12880	22528.074	4437.8907	16840	22545.676	4434.1984	11980
22512.060	4440.8188	12880	22528.589	4437.8589	13380	22545.796	4434.1577	10080
22512.125	4440.8039	19340	22529.184	4437.8413	11780	22546.171	4434.0794	10880
22512.211	4440.7871	19280	22529.598	4437.3599	12380	22546.285	4434.0756	9880
			22529.598	4437.3599	12380	22546.738	4433.9864	12940













SIGMA	WL	I PS CLASSIFICATION ION	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	WL	I PS CLASSIFICATION ION		
22799.148	4384	8968	11880	22799.148	4384	8968	11880	22825.796	4379	7776	28140
22799.647	4384	8968	11880	22812.337	4382	3616	25180	22826.064	4379	7761	11090
22799.903	4384	7517	17580	22812.470	4382	31540	23432 5	22826.154	4379	7089	10540
22800.125	4384	7039	15840	22812.798	4382	2731	17540	22826.546	4379	6336	21040
22800.549	4384	6274	10480	22813.057	4381	2233	11640	22826.777	4379	5893	21140
22800.793	4384	5895	19340	22813.178	4382	2001	11540	22827.136	4379	5205	26140
22801.114	4384	5184	18640	22813.256	4382	1852	11924	22827.370	4379	4756	11180
22801.310	4384	4810	11040	22813.410	4382	1555	12940	22827.673	4379	4176	11480
22801.441	4384	4558	11140	22813.545	4382	1257	13640	22827.775	4379	3778	14680
22801.990	4384	3502	13540	22813.658	4382	1095	30740	22827.847	4379	3382	11680
22802.130	4384	3234	17740	22813.995	4382	0431	18240	22829.137	4378	1366	13240
22802.283	4384	2940	12140	22814.138	4382	0157	11940	22829.391	4379	0878	19540
22802.686	4384	2166	12440	22814.286	4381	9873	13640	22829.420	4379	0856	11440
22802.899	4384	1755	15540	22814.591	4381	9247	10440	22830.428	4378	8889	15540
22803.044	4384	1476	10480	22814.870	4381	8751	13740	22830.502	4378	8749	12440
22803.369	4384	0852	19640	22815.125	4381	8261	21540	22831.321	4378	7177	14740
22803.753	4384	0113	10780	22815.514	4381	7514	10640	22831.400	4378	7026	11640
22803.873	4383	9883	11240	22815.641	4381	7271	12040	22831.824	4378	6212	12040
22803.988	4383	9662	11740	22815.881	4381	6810	11640	22832.106	4378	5671	15240
22804.197	4383	9259	10780	22816.081	4381	6425	11040	22832.257	4378	5382	17640
22804.301	4383	9061	10480	22816.275	4381	6053	11740	22832.437	4378	5095	23840
22804.701	4383	8591	15140	22816.907	4381	4839	11140	22832.666	4378	4559	13340
22804.998	4383	7721	11840	22817.977	4381	4704	11180	22832.922	4378	4107	11640
22805.073	4383	7576	12340	22817.117	4381	4445	12340	22833.024	4378	3711	11040
22805.177	4383	7376	10590	22817.200	4381	4277	13240	22833.208	4378	3558	11240
22805.301	4383	7137	12640	22817.358	4381	3974	18580	22833.546	4378	2911	13140
22805.412	4383	6923	11740	22817.415	4381	3864	21840	22833.655	4378	2701	12740
22805.622	4383	6520	18140	22817.543	4381	3618	15840	22833.788	4378	2466	19640
22805.759	4383	6257	15340	22817.724	4381	3270	14140	22833.859	4378	2310	15740
22805.953	4383	5884	18040	22817.828	4381	3071	11040	22834.086	4378	1876	12640
22806.192	4383	5425	15140	22818.046	4381	2552	19540	22834.204	4378	1668	16840
22806.375	4383	5074	15140	22818.214	4381	2325	13340	22834.300	4378	1666	11780
22806.948	4383	4836	10780	22818.368	4381	2048	14140	22834.590	4378	0709	10964
22806.905	4383	4054	22140	22818.569	4381	1725	16840	22834.999	4378	0124	10980
22807.038	4383	3799	12540	22818.661	4381	1471	10480	22835.258	4377	9627	11540
22807.131	4383	3621	11480	22819.094	4381	0640	10740	22835.464	4377	9234	13440
22807.263	4383	3367	12240	22819.274	4381	0295	12540	22835.545	4377	9178	11480
22807.653	4383	2617	33340	22819.545	4380	9774	13840	22835.820	4377	8550	12840
22807.734	4383	2460	27640	22819.636	4380	9598	10880	22836.088	4377	8037	15040
22807.928	4383	2093	16140	22819.805	4380	9273	12540	22836.361	4377	7512	13640
22808.054	4383	1947	16240	22819.858	4380	9172	11940	22837.013	4377	6262	12340
22808.154	4383	1654	14940	22820.924	4380	7126	15540	22837.323	4377	5669	17340
22808.321	4383	1333	14740	22821.369	4380	6572	12640	22837.872	4377	4816	12840
22808.507	4383	075	11040	22821.866	4380	5310	10480	22839.352	4377	3696	10940
22808.692	4383	0620	10280	22821.935	4380	5186	10380	22839.518	4377	3378	12540
22809.117	4382	9804	11240	22822.194	4380	4489	13740	22839.914	4377	2619	12640
22809.287	4382	9477	13040	22822.572	4380	3963	11840	22840.162	4377	0228	10580
22809.852	4382	8390	28440	22822.697	4380	3723	15840	22840.313	4376	9938	11340
22809.927	4382	8247	20580	22822.800	4380	3525	12640	22840.736	4376	9128	18040
22810.141	4382	7835	17440	22822.906	4380	3321	12440	22840.854	4376	8701	10980
22810.425	4382	7289	12540	22823.255	4380	2560	26040	22840.963	4376	8693	11040
22810.600	4382	6954	15140	22823.436	4380	2490	24940	22841.142	4376	8350	11340
22810.871	4382	6433	17640	22823.718	4380	1763	10680	22841.377	4376	7900	25540
22811.143	4382	5911	11540	22823.842	4380	1525	10540	22841.511	4376	7643	14940
22811.443	4382	5337	11640	22823.997	4380	1128	11740	22841.679	4376	7320	11440
22811.574	4382	5083	12140	22824.574	4380	0822	16740	22841.962	4376	6779	18440
22811.709	4382	4822	10840	22824.732	4379	9818	11940	22842.110	4376	6496	15840
22811.761	4382	4686	11040	22824.811	4379	9666	12140	22842.224	4376	6276	11840
22811.858	4382	4537	11940	22825.289	4379	8748	11940	22842.466	4376	5812	11440
				22825.613	4379	8126	12380	22842.533	4376	5685	12840

SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
2842.741	4376.5286	10590		2855.651	4373.9840	9740		2866.522	4371.9770	179C8	
2845.874	4376.4035	14940		2856.323	4373.9279	15440		2866.618	4371.9586	156A0	
2845.919	4376.4930	11740		2856.444	4373.9047	13340		2866.745	4371.9343	134A0	
2845.317	4376.4162	10740		2856.724	4373.9512	13240		2866.805	4371.9229	128A0	
2845.513	4376.3807	11340	34812 6 11968 5 1	2856.938	4373.9101	14540		2866.995	4371.8865	120R0	
2845.735	4376.3382	15040		2857.460	4373.7103	14940		2867.108	4371.8649	134A0	
2845.902	4376.3041	20840		2857.638	4373.6763	14940		2867.256	4371.8365	106A0	
2846.056	4376.2767	12640		2857.919	4373.6225	132R0		2867.527	4371.7848	232C8	
2846.521	4376.1876	20240	30490 8 7645 8	2858.050	4373.5955	24740	29107 7 6249 6 1	2867.656	4371.7582	321A0	30986 8 8118 7 1
2846.784	4376.1372	28580		2858.236	4373.5618	14440		2867.744	4371.7433	266R0	
2846.856	4376.0468	16740		2858.523	4373.6879	12540		2867.919	4371.7099	15040	
2845.571	4375.9564	13840		2858.944	4373.6071	30040	24608 5 1749 6 2	2868.049	4371.6850	14840	
2845.728	4375.9564	11240		2859.212	4373.3751	18458		2868.257	4371.6395	111A0	
2845.939	4375.9370	11140		2859.392	4373.3400	16140		2868.437	4371.6109	12940	
2846.366	4375.8344	1138R	30979 4 8133 4 1	2859.520	4373.3161	24040	32928 8 10069 7 1	2868.613	4371.5765	14940	
2846.508	4375.7874	11280		2859.753	4373.2715	22440		2868.817	4371.5390	10940	
2846.802	4375.7200	21940	27267 5 4420 5 2	2859.942	4373.2545	19240		2869.221	4371.4610	14540	
2846.952	4375.6718	1134R		2859.974	4373.2293	23140	29963 3 7103 3 1	2869.386	4371.4295	10840	
2847.139	4375.6860	14440		2860.223	4373.1816	12740		2869.759	4371.3581	102R0	
2847.700	4375.6769	23040		2860.371	4373.1533	15640		2870.137	4371.2859	11740	
2848.024	4375.6166	10640		2860.805	4373.0703	25440	29109 6 6249 6 1	2870.245	4371.2653	116R0	
2848.202	4375.4824	11240		2860.881	4373.0557	15940		2870.445	4371.2337	12940	
2848.341	4375.4560	17140		2861.075	4373.0187	19440		2870.610	4371.1954	111R0	
2848.472	4375.4309	11040		2861.234	4372.9883	14740		2870.944	4371.1239	11980	
2848.775	4375.3729	14240		2861.529	4372.9509	12240		2871.057	4371.1090	13040	29316 5 6445 4 2
2848.995	4375.3306	22640	34407 5 11558 4 1	2861.515	4372.9344	10940		2871.503	4371.0248	18740	
2849.098	4375.3109	12940		2861.748	4372.8999	15540		2871.689	4370.9892	10940	
2849.188	4375.2935	12840		2861.830	4372.8742	14240		2871.945	4370.9403	12040	
2849.379	4375.2572	12740		2862.063	4372.8354	17040		2872.029	4370.9243	123A0	
2849.499	4375.2342	103R0		2862.246	4372.7947	23768		2872.226	4370.8866	170A0	
2849.623	4375.2104	13040	28840 5 5991 4 1	2862.313	4372.7819	27268		2872.591	4370.8169	120A0	27148 6 4275 6 1
2849.998	4375.1387	12540		2862.447	4372.7562	33840	22862 6 0 6 1	2872.877	4370.7621	11840	
2850.153	4375.1089	10940		2862.548	4372.7408	30380		2873.378	4370.6665	18040	
2850.543	4375.0343	12340	29099 5 6249 6 1	2862.545	4372.7298	27580		2873.870	4370.5725	11940	
2850.676	4375.0088	10640		2862.709	4372.7061	20640		2874.108	4370.5269	12240	
2851.147	4374.9185	13740		2862.809	4372.6869	17181		2874.284	4370.5010	11880	
2851.280	4374.8932	21640	26652 8 3800 7 1	2862.870	4372.6752	15868		2874.783	4370.3981	13040	
2851.356	4374.8785	17480		2863.006	4372.6492	17440	33118 6 10254 5 1	2874.918	4370.3722	11840	
2851.922	4374.8525	11780		2863.087	4372.6338	16440		2875.286	4370.3019	11940	
2851.921	4374.7705	18140		2863.409	4372.5723	32040	23778 5 914 4 2	2875.658	4370.2308	12440	
2852.056	4374.7446	16940		2863.496	4372.5574	26660		2875.808	4370.2022	113R0	
2852.216	4374.7140	13140	30716 4 7864 5 1	2863.650	4372.5242	15940		2876.212	4370.1250	15240	30994 6 8118 7 1
2852.385	4374.6815	20140		2863.785	4372.5003	13380		2876.351	4370.0985	10840	
2852.522	4374.6554	15440		2863.930	4372.4727	15340		2876.638	4370.0437	13440	
2852.711	4374.6192	119R2		2864.116	4372.4370	11040	32944 5 10081 5 1	2877.111	4369.9532	29740	29126 6 6249 6 1
2852.885	4374.5859	13040		2864.348	4372.3926	15240		2877.385	4369.9042	208R0	
2853.007	4374.5625	22440		2864.428	4372.3744	16740		2877.595	4369.8147	12340	
2853.234	4374.5190	13340		2864.601	4372.3444	12840		2877.859	4369.7804	11840	
2853.379	4374.4914	12240		2864.750	4372.3157	10940		2878.018	4369.7504	20240	
2853.612	4374.4467	11380		2864.880	4372.2810	11040	34155 4 11290 5 1	2878.112	4369.7421	13140	
2853.699	4374.4300	11040		2865.000	4372.2680	10840		2878.212	4369.7422	121A0	
2853.972	4374.3778	11160		2865.381	4372.1950	15968		2878.476	4369.6926	11740	
2854.112	4374.3511	19540	31364 4 8510 9 2	2865.573	4372.1775	15968		2878.557	4369.6770	116A0	
2854.459	4374.2846	10940		2865.624	4372.1440	12240		2878.779	4369.6347	16480	31757 2 8878 3 1
2854.647	4374.2486	13040		2865.704	4372.1333	11940		2878.932	4369.6055	17080	
2854.798	4374.2197	15540		2865.811	4372.1130	11640		2879.121	4369.5694	22240	
2854.906	4374.1990	15940		2865.810	4372.1024	15100	33154 6 10288 6 1	2879.540	4369.4893	13480	
2855.467	4374.0916	14440		2866.369	4372.0062	30140	23486 5 620 5 1	2879.781	4369.4434	11440	
2855.679	4374.0510	11440									
2855.841	4374.0201	10980									



I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION	
SIGMA	ML	SIGMA	ML	SIGMA	ML	SIGMA	ML
22919.164	4361.9349	22930.359	4355.8054	22942.241	4357.5473	22942.241	4357.5473
22919.252	4361.9183	22930.586	4359.7622	22942.442	4357.5092	22942.442	4357.5092
22919.291	4361.9107	22930.711	4359.7394	22942.508	4357.4967	22942.508	4357.4967
22919.408	4361.8683	22930.892	4359.7040	22942.685	4357.4630	22942.685	4357.4630
22919.482	4361.8743	22930.978	4359.6876	22942.909	4357.4204	22942.909	4357.4204
22919.562	4361.8592	22931.327	4359.6403	22943.317	4357.3430	22943.317	4357.3430
22919.663	4361.8362	22931.660	4359.5619	22943.435	4357.3205	22943.435	4357.3205
22919.777	4361.8183	22932.036	4359.5419	22943.822	4357.2652	22943.822	4357.2652
22919.902	4361.7944	22932.352	4359.4864	22944.005	4357.2124	22944.005	4357.2124
22920.028	4361.7748	22932.658	4359.4467	22944.060	4357.2019	22944.060	4357.2019
22920.201	4361.7575	22932.357	4359.4199	22944.213	4357.1728	22944.213	4357.1728
22920.352	4361.7088	22932.885	4359.3851	22944.644	4357.0909	22944.644	4357.0909
22920.521	4361.6767	22933.170	4359.3520	22945.414	4356.9448	22945.414	4356.9448
22920.664	4361.6495	22933.252	4359.3539	22945.467	4356.9346	22945.467	4356.9346
22920.989	4361.5991	22933.377	4359.3236	22945.545	4356.9198	22945.545	4356.9198
22921.285	4361.5352	22933.733	4359.1639	22945.732	4356.8843	22945.732	4356.8843
22921.430	4361.5057	22933.878	4359.1363	22945.897	4356.8530	22945.897	4356.8530
22921.517	4361.4872	22933.935	4359.1256	22945.978	4356.8376	22945.978	4356.8376
22921.592	4361.4730	22933.956	4359.1256	22946.491	4356.7403	22946.491	4356.7403
22921.730	4361.4466	22934.356	4359.0652	22946.863	4356.6697	22946.863	4356.6697
22921.826	4361.4326	22934.577	4359.0092	22946.938	4356.6652	22946.938	4356.6652
22922.259	4361.3459	22934.934	4358.9356	22947.273	4356.5917	22947.273	4356.5917
22922.357	4361.3574	22935.038	4358.9121	22947.524	4356.5441	22947.524	4356.5441
22922.452	4361.3073	22935.116	4358.8997	22947.642	4356.5218	22947.642	4356.5218
22922.452	4361.3073	22935.321	4358.8621	22947.715	4356.5079	22947.715	4356.5079
22922.538	4361.2929	22935.470	4358.8338	22947.803	4356.4912	22947.803	4356.4912
22922.710	4361.2601	22935.560	4358.8166	22947.847	4356.4828	22947.847	4356.4828
22923.272	4361.1532	22936.292	4358.6776	22948.379	4356.3918	22948.379	4356.3918
22923.600	4361.0795	22936.411	4358.6550	22948.764	4356.3087	22948.764	4356.3087
22923.803	4361.0523	22936.682	4358.6035	22948.869	4356.2488	22948.869	4356.2488
22923.883	4361.0370	22937.428	4358.4617	22949.039	4356.2565	22949.039	4356.2565
22924.116	4360.9928	22937.690	4358.4119	22949.172	4356.2312	22949.172	4356.2312
22924.240	4360.9691	22937.899	4358.3722	22949.343	4356.1989	22949.343	4356.1989
22924.513	4360.9172	22937.983	4358.3563	22949.513	4356.1665	22949.513	4356.1665
22924.773	4360.8657	22938.280	4358.3074	22949.570	4356.1556	22949.570	4356.1556
22924.939	4360.8324	22938.380	4358.2808	22949.704	4356.1402	22949.704	4356.1402
22925.183	4360.7897	22938.705	4358.2190	22949.825	4356.1072	22949.825	4356.1072
22925.273	4360.7725	22938.874	4358.1469	22949.935	4356.0865	22949.935	4356.0865
22925.407	4360.7472	22938.953	4358.1720	22950.061	4356.0625	22950.061	4356.0625
22925.693	4360.6926	22939.032	4358.1568	22950.255	4356.0256	22950.255	4356.0256
22925.991	4360.6361	22939.202	4358.1246	22950.363	4356.0052	22950.363	4356.0052
22926.076	4360.6199	22939.482	4358.0714	22950.424	4355.9937	22950.424	4355.9937
22926.319	4360.5736	22939.844	4358.0027	22950.567	4355.9664	22950.567	4355.9664
22926.513	4360.5368	22939.701	4358.0598	22950.710	4355.9455	22950.710	4355.9455
22926.623	4360.5157	22939.912	4357.9968	22950.810	4355.9285	22950.810	4355.9285
22926.717	4360.4933	22940.086	4357.9567	22950.789	4355.9244	22950.789	4355.9244
22927.578	4360.3623	22940.133	4357.9478	22950.830	4355.9165	22950.830	4355.9165
22927.716	4360.3036	22940.308	4357.9142	22950.905	4355.9024	22950.905	4355.9024
22927.738	4360.3048	22940.509	4357.8763	22950.988	4355.8867	22950.988	4355.8867
22927.795	4360.2929	22940.587	4357.8614	22951.075	4355.8700	22951.075	4355.8700
22927.878	4360.2771	22940.679	4357.8441	22951.142	4355.8574	22951.142	4355.8574
22928.058	4360.2429	22940.758	4357.8291	22951.257	4355.8356	22951.257	4355.8356
22928.229	4360.2104	22941.064	4357.7963	22951.363	4355.8154	22951.363	4355.8154
22928.463	4360.1658	22941.064	4357.7768	22951.538	4355.7421	22951.538	4355.7421
22928.559	4360.1476	22941.201	4357.7449	22951.538	4355.7421	22951.538	4355.7421
22928.836	4360.0950	22941.064	4357.7037	22951.758	4355.7405	22951.758	4355.7405
22928.989	4360.0650	22941.583	4357.6724	22951.994	4355.6957	22951.994	4355.6957
22929.066	4360.0511	22941.583	4357.6724	22952.324	4355.6330	22952.324	4355.6330
22929.937	4359.8855	22941.840	4357.6530	22952.417	4355.6154	22952.417	4355.6154
22930.091	4359.8563	22942.089	4357.5763	22952.588	4355.5930	22952.588	4355.5930



SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
22986.354	4349.1846	121A0	22997.126	4347.1475	178A0	23010.036	4344.7084	126A0
22986.529	4349.1518	136A0	22997.359	4347.9959	153A0	23010.187	4344.6788	133A0
22986.620	4349.1343	119A0	22997.497	4347.9773	137A0	23010.339	4344.6584	129A0
22986.720	4349.1154	121A0	22997.646	4347.9492	130A0	23010.472	4344.6261	113A0
22986.814	4349.0973	116A0	22997.572	4346.9541	143A0	23010.607	4344.6095	108A0
22986.949	4349.0663	217A0	22997.583	4346.9532	122A0	23010.721	4344.5789	112A0
22987.047	4349.0570	191A0	22997.125	4346.7697	106A0	23010.820	4344.5603	119A0
22987.236	4348.9177	262A0	22997.254	4346.7451	116A0	23010.931	4344.5393	187A0
22987.406	4348.8957	105CA	22997.445	4346.7091	166A0	23011.008	4344.5248	110A0
22987.539	4348.8605	167A0	22997.541	4346.6909	113A0	23011.375	4344.4555	109A0
22987.679	4348.8319	127A0	22997.749	4346.6516	104A0	23011.638	4344.4060	201A0
22987.793	4348.8124	120A0	22997.896	4346.6238	139A0	23011.737	4344.3872	144A0
22987.954	4348.8820	120A0	23000.074	4346.5902	178A0	23011.804	4344.3746	159A0
22988.201	4348.8352	130A0	23000.181	4346.5699	131A0	23011.969	4344.3397	108A0
22988.304	4348.8158	119A0	23000.432	4346.5276	109A0	23012.112	4344.3164	117A0
22988.778	4348.7260	132A0	23000.600	4346.4907	108A0	23012.207	4344.2985	152A0
22988.962	4348.6912	110A0	23000.740	4346.4643	111A0	23012.289	4344.2833	1116A0
22989.046	4348.6754	99A0	23000.890	4346.4266	121A0	23012.485	4344.2498	116A0
22989.154	4348.6548	105A0	23000.950	4346.4246	1158A0	23012.720	4344.2916	150A0
22989.236	4348.6281	113A0	23001.197	4346.3936	145A0	23012.846	4344.1790	209A0
22989.434	4348.6201	147A0	23001.237	4346.3704	113A0	23013.039	4344.1415	154A0
22989.665	4348.5527	140A0	23001.451	4346.3395	101B0	23013.310	4344.0902	100A0
22989.898	4348.5142	249A0	23001.473	4346.3258	102A0	23013.437	4344.0663	111A0
22989.980	4348.4968	152A0	23001.788	4346.2663	164A0	23013.542	4344.0465	105A0
22990.113	4348.4735	143A0	23001.892	4346.2486	134A0	23013.719	4344.0131	109A0
22990.227	4348.4519	114A0	23002.068	4346.2133	194A0	23013.925	4343.9742	135A0
22990.377	4348.4236	106A0	23002.252	4346.1780	109A0	23014.057	4343.9493	194A0
22990.663	4348.3695	113A0	23002.472	4346.1370	111A0	23014.119	4343.9224	27A0
22990.837	4348.3385	187A0	23002.874	4346.0610	110A0	23014.421	4343.8805	147A0
22991.038	4348.3095	107B0	23003.023	4346.0330	152A0	23014.621	4343.8393	111A0
22991.165	4348.2746	134A0	23003.188	4346.0018	134A0	23014.803	4343.8085	157A0
22991.312	4348.2468	151A0	23003.287	4345.9807	167A0	23015.225	4343.7289	109A0
22991.522	4348.2108	137CA	23003.395	4345.9544	109A0	23015.355	4343.7024	191A0
22991.578	4348.1969	177A0	23003.447	4345.9529	118A0	23015.514	4343.6742	153A0
22991.665	4348.1799	240A0	23003.517	4345.9396	120A0	23015.586	4343.6607	113CA
22991.756	4348.1627	138A0	23003.809	4345.8845	161A0	23015.749	4343.6298	117A0
22992.030	4348.1109	187A0	23003.980	4345.8521	110A0	23015.956	4343.5909	132A0
22992.112	4348.0755	149A0	23004.222	4345.8064	108B0	23016.084	4343.5667	126A0
22992.182	4348.0821	143A0	23004.654	4345.7229	108A0	23016.305	4343.5250	214A0
22992.261	4348.0634	111A0	23004.860	4345.6859	103B0	23016.475	4343.4928	121A0
22992.615	4348.0004	117A0	23004.991	4345.6630	40A0	23016.535	4343.4815	124A0
22992.808	4347.9637	150A0	23005.055	4345.6491	121A0	23016.600	4343.4693	110A0
22992.950	4347.9370	109A0	23005.342	4345.5948	109A0	23016.975	4343.3985	124A0
22993.226	4347.8847	98CA	23005.611	4345.5410	98A0	23017.026	4343.3890	130A0
22993.567	4347.8165	115CA	23005.784	4345.5113	107A0	23017.154	4343.3647	184A0
22993.684	4347.7977	83A0	23005.961	4345.4779	109A0	23017.274	4343.3421	139A0
22993.860	4347.7648	83A0	23006.203	4345.4321	116A0	23017.482	4343.3028	129A0
22994.576	4347.6206	83A0	23006.741	4345.3306	105A0	23017.599	4343.2908	145A0
22994.719	4447.6022	95CA	23007.315	4345.2222	119A0	23017.792	4343.2443	231A0
22995.164	4347.5184	139B0	23007.510	4345.1853	1178A0	23018.041	4343.1974	108A0
22995.207	4347.5102	142A0	23007.599	4345.1724	134A0	23018.137	4343.1793	107CA
22995.317	4347.4895	113A0	23007.779	4345.1346	119A0	23018.438	4343.1225	168A0
22995.666	4347.4235	242A0	23008.098	4345.0743	108A0	23018.664	4343.0439	108A0
22996.092	4347.3428	215A0	23008.618	4344.9742	149A0	23018.915	4343.0325	113A0
22996.156	4347.3308	158CA	23009.949	4344.9136	111A0	23019.139	4342.9802	130A0
22996.371	4347.2902	109A0	23009.400	4344.8284	110A0	23019.565	4342.9095	104A0
22996.529	4347.2603	120A0	23009.587	4344.7931	157A0	23019.712	4342.8689	118A0
22996.713	4347.2256	165B0	23009.656	4344.7600	123CA	23019.844	4342.8572	116A0
22996.870	4347.1957	101A0	23009.782	4344.7560	106A0	23020.184	4342.8292	116A0
22997.009	4347.1695	212A0	23009.946	4344.7249	116B0	23020.251	4342.7805	121A0



SIGMA	WL	I P S CLASSIFICATION ION	SIGMA	WL	I P S CLASSIFICATION ION	SIGMA	WL	I P S CLASSIFICATION ION
23054.127	4336.3990	124C8	23063.355	4334.6640	127A0	23076.251	4332.2413	113A0
23054.205	4336.3842	172A0	23063.862	4334.6640	106A0	23076.432	4332.2074	179A0
23054.310	4336.3646	134A0	23064.095	4334.5259	99A0	23076.532	4332.1886	152A0
23054.440	4336.3400	155A0	23064.438	4334.4504	198A0	23076.644	4332.1677	117A0
23054.517	4336.3256	140A0	23064.543	4334.4407	159A0	23077.621	4331.9842	9680
23054.569	4336.3157	137A0	23064.811	4334.3901	119A0	23077.693	4331.9706	10780
23054.670	4336.2958	122A0	23064.951	4334.3639	134A0	23077.773	4331.9558	11280
23054.742	4336.2738	113A0	23065.219	4334.3135	134A0	23077.837	4331.9324	106A0
23055.031	4336.2289	146A0	23065.449	4334.2704	104A0	23078.017	4331.9100	158A0
23055.141	4336.2082	114A0	23065.703	4334.2226	99A0	23078.329	4331.8514	158A0
23055.179	4336.1815	124A0	23066.132	4334.1825	156A0	23078.383	4331.8413	124A0
23055.429	4336.1447	103A0	23066.250	4334.1122	104A0	23078.513	4331.8167	224A0
23055.528	4336.1074	107A0	23066.483	4334.0761	109A0	23078.600	4331.8005	159A0
23055.790	4336.0662	148A0	23066.863	4334.0047	127A0	23078.699	4331.7819	105A0
23055.943	4336.0273	149A0	23067.131	4333.9543	263A0	23078.838	4331.7558	116A0
23056.104	4336.0262	9980	23067.206	4333.9402	15980	23078.989	4331.7274	107A0
23056.342	4335.9823	153A0	23067.487	4333.8874	199A0	23079.109	4331.7050	1244C
23056.492	4335.9541	10680	23067.821	4333.8247	174A0	23079.178	4331.6920	118A0
23056.621	4335.9299	122A0	23067.977	4333.8048	134A0	23079.282	4331.6725	101A0
23056.769	4335.9021	222A0	23068.068	4333.7782	108A0	23079.677	4331.5408	9780
23056.957	4335.8667	205A0	23068.661	4333.6668	148A0	2308.010	4331.5359	106A0
23057.054	4335.8475	16180	23068.778	4333.6417	124A0	2308.099	4331.5182	15680
23057.625	4335.8195	274A0	23069.210	4333.5838	107A0	2308.336	4331.4749	974A0
23057.752	4335.712	358A0	23069.312	4333.5446	10180	2308.500	4331.4439	274A0
23057.837	4335.7012	252C8	23069.459	4333.5152	219A0	2308.722	4331.3928	170A0
23057.943	4335.6813	175A0	23069.716	4333.4845	261A0	2308.904	4331.3680	109A0
23058.039	4335.6632	14790	23069.789	4333.4550	157C9	23091.111	4331.3292	177A0
23058.098	4335.6522	138A0	23070.283	4333.3660	143A0	23091.545	4331.2403	10791
23058.258	4335.6220	12980	23070.427	4333.3351	117A0	23081.720	4331.2150	158A0
23058.207	4335.6317	111A0	23070.545	4333.3129	113A0	23081.968	4331.1683	160A0
23058.296	4335.6150	136A0	23070.843	4333.2569	145C4	23082.128	4331.1383	150A0
23058.342	4335.6063	133C4	23071.065	4333.2152	135A0	23082.593	4331.0512	147A0
23058.402	4335.5950	155C4	23071.307	4333.1617	137A0	23082.759	4331.0199	157A0
23058.491	4335.5783	229A0	23071.399	4333.1525	98C8	23082.826	4331.0048	144A0
23058.634	4335.5510	138A0	23071.551	4333.1240	193A0	23082.898	4330.9938	154A0
23058.821	4335.5163	122A0	23071.691	4333.0576	114A0	23083.269	4330.9264	163A0
23058.821	4335.5163	122A0	23071.926	4333.0516	108A0	23083.539	4330.8736	142A0
23059.112	4335.4614	151A0	23072.070	4333.0248	120A0	23083.812	4330.8225	102A0
23059.112	4335.4614	151A0	23072.199	4333.0023	130A0	23083.926	4330.8010	109A0
23059.276	4335.4307	11280	23072.273	4332.9984	114A0	23084.234	4330.7432	132A0
23059.358	4335.4153	124A0	23072.337	4332.9764	127A0	23084.320	4330.7271	12280
23059.695	4335.3518	117A0	23072.452	4332.9548	126A0	23084.450	4330.7026	231A0
23059.825	4335.3275	106C8	23072.760	4332.8970	112A0	23084.539	4330.6767	205A0
23059.969	4335.3004	159A0	23072.956	4332.8601	151A0	23084.744	4330.6475	11880
23060.126	4335.2708	296A0	23073.166	4332.8208	200A0	23084.867	4330.6245	179A0
23060.283	4335.2414	174C8	23073.716	4332.7174	7880	23085.137	4330.5738	136A0
23060.510	4335.1987	227A0	23073.769	4332.7075	7880	23085.306	4330.5421	112A0
23060.897	4335.1259	115A0	23073.950	4332.6735	249A0	23085.612	4330.4438	164A0
23060.995	4335.1075	108A0	23074.018	4332.6507	175C8	23085.679	4330.4222	160A0
23061.479	4335.0165	10780	23074.386	4332.5916	100A0	23085.760	4330.4570	121A0
23061.674	4334.9789	11280	23074.623	4332.5659	99A0	23085.898	4330.4312	9452
23061.834	4334.9498	143C8	23074.804	4332.5507	110A0	23086.079	4330.3970	118A0
23061.913	4334.9349	203A0	23075.022	4332.4834	11080	23086.313	4330.3531	11080
23061.917	4334.9211	145C8	23075.027	4332.4713	118A0	23086.393	4330.3381	131A0
23062.273	4334.8873	177A0	23075.173	4332.4438	97A0	23086.452	4330.3271	115C8
23062.723	4334.7826	114A0	23075.415	4332.3985	100B0	23086.781	4330.2655	154A0
23062.814	4334.7656	119C8	23075.661	4332.3522	168A0	23086.840	4330.2543	187A0
23062.855	4334.7578	126A0	23075.770	4332.3354	124A0	23087.157	4330.1949	114A0
23063.078	4334.7159	153A0	23075.912	4332.3050	130A0	23087.275	4330.1727	103A0
23063.246	4334.6843	99A0	23075.001	4332.2884	10480			



I PS CLASSIFICATION IOI		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION	
SIGMA	WL	SIGMA	WL	SIGMA	WL
23087.740	4330.0356	16240	23097.647	4328.2283	17140
23087.860	4330.0530	12940	23097.746	4328.2098	17040
23087.963	4330.0738	12140	23098.161	4328.1320	16040
23088.169	4330.0950	13940	23098.474	4328.0734	15240
23088.408	4329.6004	10090	23098.548	4328.0595	13540
23088.673	4329.9106	10440	23098.796	4328.0130	24440
23088.753	4329.8956	10740	23098.842	4328.0043	24440
23088.961	4329.8566	13440	23098.998	4327.9752	10340
23089.305	4329.7921	19140	23099.216	4327.9342	18940
23089.625	4329.7320	9690	23099.471	4327.9149	15340
23089.834	4329.6928	10540	23099.672	4327.8865	16240
23090.098	4329.6434	11840	23099.836	4327.8489	15640
23090.218	4329.6209	15640	23099.974	4327.8180	14840
23090.446	4329.5782	26440	23100.087	4327.7899	10340
23090.577	4329.5535	16640	23100.320	4327.7274	11640
23090.875	4329.5582	11640	23100.393	4327.7138	11680
23090.971	4329.5377	10840	23100.446	4327.7038	11840
23091.031	4329.4685	11940	23100.633	4327.6687	10540
23091.161	4329.4440	9408	23100.736	4327.6494	10540
23091.309	4329.4143	11040	23101.050	4327.5806	10940
23091.461	4329.3878	4540	23101.189	4327.5643	10290
23091.669	4329.3498	25440	23101.362	4327.5323	13540
23091.952	4329.2953	11040	23101.600	4327.4876	11508
23092.056	4329.2763	11540	23101.671	4327.4744	16440
23092.182	4329.2526	9308	23101.884	4327.4345	10140
23092.361	4329.2191	17940	23102.072	4327.3993	11340
23092.751	4329.1457	13240	23102.194	4327.3764	13440
23092.870	4329.1337	11840	23102.249	4327.3662	13640
23093.070	4329.0921	10640	23102.535	4327.3282	15640
23093.123	4329.0762	16240	23102.735	4327.2751	17440
23093.190	4329.0636	9680	23102.916	4327.2412	12240
23093.401	4329.0640	9180	23103.060	4327.2141	11040
23093.626	4328.9819	14040	23103.224	4327.1894	15340
23093.775	4328.9340	14440	23103.397	4327.1510	11940
23093.967	4328.9180	12240	23103.519	4327.1293	14540
23094.156	4328.8826	11940	23103.691	4327.0940	12240
23094.245	4328.8659	10880	23103.894	4327.0580	15840
23094.340	4328.8480	11880	23104.031	4327.0323	21140
23094.440	4328.8293	12480	23104.104	4327.0186	19440
23094.542	4328.8101	11980	23104.259	4326.9997	17340
23094.686	4328.7832	19240	23104.348	4326.9729	13340
23094.751	4328.7710	20780	23104.501	4326.9423	18440
23094.801	4328.7616	20840	23104.638	4326.9183	24440
23094.961	4328.7309	32040	23104.833	4326.8821	15340
23095.192	4328.6983	18980	23104.944	4326.8613	13040
23095.245	4328.6784	15608	23105.128	4326.8269	10640
23095.317	4328.6650	13880	23105.277	4326.7990	16440
23095.587	4328.6143	13880	23105.416	4326.7729	10508
23095.700	4328.5931	22840	23105.693	4326.6835	19140
23095.844	4328.5874	18840	23105.951	4326.6539	13440
23096.227	4328.5318	11908	23106.475	4326.5877	24540
23096.173	4328.5044	13140	23106.74	4326.5749	15008
23096.327	4328.4757	14340	23106.655	4326.5409	41140
23096.404	4328.4612	14040	23106.796	4326.5146	10640
23096.504	4328.4426	10540	23106.987	4326.4787	8680
23096.616	4328.4214	9380	23107.044	4326.4681	10840
23096.714	4328.4032	9580	23107.187	4326.4413	10840
23097.081	4328.3716	10940	23107.340	4326.4126	21240
23097.481	4328.2594	12740	23107.397	4326.4019	14908
23097.568	4328.2432	13540	23107.498	4326.3831	13440

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
23119.376	4324.1602	1440	23124.824	4322.2069	1030	23140.953	4320.2903	1690
23119.460	4324.1445	1440	23129.998	4322.1745	1400	23140.479	4320.2168	1550
23119.617	4324.1154	1370	23130.132	4322.1495	1590	23140.618	4320.1909	1170
23119.781	4324.0846	1470	23130.454	4322.0892	1620	23140.746	4320.1670	1260
23119.957	4324.0516	1170	23130.639	4322.0586	1620	23140.851	4320.1474	1410
23120.164	4324.0199	1200	23130.798	4322.0250	1220	23140.952	4320.1284	1930
23120.291	4323.9862	2240	23130.857	4322.0139	1940	23141.236	4320.0754	1040
23120.440	4323.9612	1310	23130.933	4321.9998	1280	23141.732	4319.9829	1040
23120.669	4323.9185	1850	23131.041	4321.9780	1880	23141.968	4319.9389	1150
23120.851	4323.8844	980	23131.553	4321.8652	990	23142.193	4319.8968	1140
23120.959	4323.8683	1040	23131.768	4321.8448	1110	23142.325	4319.8721	1150
23121.059	4323.8455	990	23131.935	4321.8195	1050	23142.401	4319.8579	1480
23121.214	4323.8165	1340	23132.058	4321.7895	1710	23142.422	4319.8352	1270
23121.285	4323.7933	1410	23132.232	4321.7476	2000	23142.619	4319.8172	1080
23121.434	4323.7634	2720	23132.431	4321.7011	1030	23142.699	4319.8023	1260
23121.525	4323.7593	2540	23132.695	4321.6716	1310	23142.865	4319.7714	2540
23121.727	4323.7207	2120	23133.089	4321.5989	1160	23143.034	4319.7498	1300
23121.795	4323.7080	1660	23133.201	4321.5759	1290	23143.123	4319.7331	1350
23122.078	4323.6549	1080	23133.376	4321.5619	1740	23143.186	4319.7114	1390
23122.095	4323.6332	1200	23133.660	4321.4716	1210	23143.353	4319.6746	1940
23122.273	4323.6136	1620	23133.807	4321.4513	1000	23143.477	4319.6572	1640
23122.462	4323.5831	1420	23134.077	4321.4086	1250	23143.658	4319.6233	1750
23122.752	4323.5289	1240	23134.199	4321.3896	1170	23143.804	4319.5960	1350
23122.887	4323.5037	1400	23134.317	4321.3674	1370	23144.083	4319.5441	1590
23122.979	4323.4884	2600	23134.411	4321.3500	970	23144.280	4319.5073	2610
23123.121	4323.4599	1410	23134.663	4321.3403	910	23144.523	4319.4619	1300
23123.273	4323.4316	940	23134.597	4321.3152	1200	23144.728	4319.4237	1790
23123.813	4323.3305	1080	23134.724	4321.2915	2160	23144.909	4319.3899	1060
23123.955	4323.3040	1840	23135.009	4321.2393	990	23145.102	4319.3539	1210
23124.161	4323.2655	1080	23135.117	4321.2182	1300	23145.156	4319.3433	1220
23124.304	4323.2380	1040	23135.349	4321.1747	1040	23145.348	4319.3087	1050
23124.644	4323.1752	1430	23135.632	4321.1592	1640	23145.619	4319.2920	1060
23124.760	4323.1535	1000	23135.825	4321.1421	1860	23146.050	4319.1750	1500
23124.821	4323.1432	1100	23135.905	4321.0710	830	23146.131	4319.1617	980
23125.010	4323.1072	1190	23136.254	4321.0056	1340	23146.248	4319.1400	1080
23125.300	4323.0525	2100	23136.340	4320.9897	1190	23146.686	4319.0587	1700
23125.944	4322.9322	1250	23136.462	4320.9668	1210	23146.795	4319.0380	1500
23126.020	4322.9180	1270	23136.563	4320.9481	1320	23146.920	4319.0147	1280
23126.201	4322.8842	1790	23136.645	4320.9327	1150	23147.117	4319.9778	3040
23126.293	4322.8670	1210	23136.798	4320.9042	1020	23147.300	4319.9437	1690
23126.389	4322.8489	1110	23137.064	4320.8545	1580	23147.373	4319.9301	1860
23126.671	4322.7983	1030	23137.142	4320.8398	1580	23147.466	4319.9127	1300
23126.734	4322.7844	1440	23137.359	4320.7993	1010	23147.684	4319.8721	1110
23126.847	4322.7434	1460	23137.509	4320.7900	1050	23147.794	4319.8510	1020
23127.003	4322.7341	1210	23137.870	4320.6852	2240	23147.987	4319.8152	1080
23127.070	4322.7211	1140	23138.046	4320.6710	1020	23148.125	4319.7897	1580
23127.330	4322.6731	1310	23138.249	4320.6331	1340	23148.210	4319.7739	1090
23127.492	4322.6421	1270	23138.346	4320.6140	1050	23148.907	4319.6438	1050
23127.683	4322.6072	1150	23138.462	4320.5963	1560	23149.302	4319.5701	1200
23128.017	4322.5447	1010	23138.634	4320.5613	1040	23149.375	4319.5566	1170
23128.465	4322.4609	980	23138.892	4320.5131	960	23149.585	4319.4173	2300
23128.658	4322.4249	1550	23138.981	4320.4966	1180	23149.874	4319.4635	1090
23128.716	4322.4140	1590	23139.146	4320.4657	1160	23150.017	4319.4368	880
23129.054	4322.4509	1530	23139.196	4320.4564	1140	23150.151	4319.4744	1590
23129.145	4322.3338	1400	23139.336	4320.4306	1420	23150.351	4319.3573	970
23129.292	4322.3064	1640	23139.662	4320.3366	2540	23150.653	4319.3210	1240
23129.416	4322.2836	2060	23139.882	4320.3882	2040	23150.794	4319.2618	1150
23129.446	4322.2738	2160	23139.729	4320.3574	2840	23150.890	4319.2739	1600
23129.539	4322.2602	1720	23140.027	4320.3012	610	23151.002	4319.2531	2040
			23140.211	4320.2666	980	23151.206	4319.2150	1140



SIGMA	WL	I PS CLASSIFICATION IOM	SIGMA	WL	I PS CLASSIFICATION ICM	SIGMA	WL	I PS CLASSIFICATION IOM
23183.174	4312.2604	15040	23195.948	4309.8856	14440	23205.415	4308.1273	13340
23183.218	4312.2523	13680	23196.162	4309.8856	10440	23205.535	4308.1050	9940
23183.353	4312.2270	11640	23196.319	4309.8167	17940	23205.687	4308.0767	11440
23183.498	4312.2019	11340	23196.440	4309.7942	11380	23205.861	4308.0444	10440
23183.742	4312.1548	15040	23196.476	4309.7875	2280	23206.266	4307.9692	12240
23183.981	4312.1103	16440	23196.518	4309.7763	14640	23206.472	4307.9310	15140
23184.152	4312.0785	9740	23196.674	4309.7507	18240	23206.543	4307.9179	12640
23184.278	4312.0550	19240	23196.769	4309.7331	18180	23206.615	4307.9045	11240
23184.668	4311.9825	11740	23196.838	4309.7203	20040	23206.786	4307.8727	10140
23185.317	4311.8613	11940	23197.007	4309.6888	31440	23206.860	4307.8570	10640
23185.394	4311.8475	11340	23197.178	4309.6570	18140	23207.192	4307.7974	12940
23185.800	4311.7719	11980	23197.280	4309.6380	14940	23207.350	4307.7680	15140
23185.974	4311.7495	26540	23197.354	4309.6242	13480	23207.574	4307.7284	10440
23186.091	4311.7178	13180	23197.478	4309.6013	16040	23207.784	4307.6875	15840
23186.221	4311.6927	13840	23197.620	4309.5731	10400	23207.971	4307.6528	9308
23186.342	4311.6712	13840	23197.676	4309.5644	10640	23208.220	4307.6068	13140
23186.449	4311.6512	11140	23197.791	4309.5431	10440	23208.371	4307.5785	10940
23186.543	4311.6237	10780	23197.909	4309.5044	9640	23208.443	4307.5651	10340
23186.710	4311.6026	23640	23198.119	4309.4637	11940	23208.542	4307.5468	9840
23186.907	4311.5660	12440	23198.216	4309.4401	9940	23208.693	4307.5187	11140
23187.146	4311.5217	9740	23198.346	4309.4200	14740	23208.847	4307.4902	13040
23187.603	4311.4367	9640	23198.491	4309.4130	12740	23208.937	4307.4735	9008
23187.788	4311.4024	17540	23198.710	4309.3724	12740	23209.098	4307.4437	9640
23187.966	4311.3692	12040	23198.795	4309.3547	14640	23209.237	4307.4067	11240
23188.203	4311.3250	15040	23198.902	4309.3347	19640	23209.338	4307.3833	10008
23188.315	4311.3044	15040	23199.174	4309.2863	20840	23209.538	4307.3433	10008
23188.966	4311.2707	10740	23199.269	4309.2542	10880	23209.701	4307.3317	12780
23189.960	4311.1844	16640	23199.645	4309.1947	17540	23209.831	4307.3132	18740
23189.332	4311.1151	18640	23199.814	4309.1674	30840	23209.939	4307.2875	14140
23189.577	4311.0696	9340	23200.001	4309.1325	17540	23210.107	4307.2562	10940
23189.899	4311.0099	17940	23200.079	4309.1190	16040	23210.448	4307.1931	9780
23190.107	4310.9711	19540	23200.204	4309.0950	13040	23210.875	4307.1137	10840
23190.290	4310.9372	12240	23200.421	4309.0545	10140	23211.524	4306.9935	15340
23190.489	4310.9002	10680	23200.514	4309.0373	10740	23211.825	4306.9376	16140
23190.581	4310.8830	9840	23200.619	4309.0179	13440	23211.873	4306.9286	11340
23190.737	4310.8541	14940	23200.820	4308.9805	13840	23212.007	4306.9038	10680
23190.886	4310.8262	16440	23201.118	4308.9251	16440	23212.164	4306.8746	15840
23191.012	4310.8028	13940	23201.388	4308.8750	9104	23212.248	4306.8590	17740
23191.155	4310.7764	13840	23201.456	4308.8624	10340	23212.324	4306.8449	19340
23191.323	4310.7452	9580	23201.544	4308.8451	10640	23212.493	4306.8137	31040
23191.564	4310.7004	9840	23201.665	4308.8236	11140	23212.669	4306.7910	19240
23191.956	4310.6275	10508	23201.866	4308.7862	10540	23212.745	4306.7668	18240
23192.008	4310.6177	11140	23202.212	4308.7420	11080	23212.909	4306.7363	29840
23192.079	4310.6054	10580	23202.248	4308.7142	11240	23213.109	4306.6992	16040
23192.347	4310.5548	23340	23202.434	4308.6608	13540	23213.335	4306.6573	16040
23192.468	4310.5322	11280	23202.652	4308.6402	12440	23213.585	4306.6109	12008
23192.809	4310.4688	10640	23202.742	4308.6235	12240	23213.657	4306.5976	16140
23193.003	4310.4328	11940	23202.803	4308.6123	10580	23214.123	4306.5112	25140
23193.169	4310.4020	23440	23203.105	4308.5621	11640	23214.263	4306.4815	11540
23193.317	4310.3753	27840	23203.326	4308.5351	9640	23214.407	4306.4584	11540
23193.467	4310.3428	1880	23203.515	4308.4801	10440	23214.593	4306.4314	10182
23193.665	4310.3098	1880	23203.964	4308.3966	12640	23214.635	4306.4162	10702
23193.792	4310.2862	18840	23204.122	4308.3673	26740	23214.673	4306.4092	11440
23194.113	4310.2696	11240	23204.294	4308.3354	11680	23214.803	4306.3851	9940
23194.345	4310.1833	12540	23204.525	4308.2925	10480	23214.920	4306.3632	10140
23194.462	4310.1517	10740	23204.731	4308.2542	11340	23215.092	4306.3315	12940
23194.886	4310.0929	16240	23204.867	4308.2269	12740	23215.169	4306.3135	13540
23195.285	4310.0087	9380	23205.039	4308.1970	29140	23215.392	4306.2750	15240
23195.726	4309.9267	17240	23205.205	4308.1663	12840	23215.648	4306.2653	13008
23195.848	4309.9041	23340	23205.294	4308.1497	11740	23215.554	4306.2456	9361

23212 5 0 6 1

33282 6 10069 7 1

33699 6 10488 8 1

31736 6 8821 7 2



SIGMA		I PS CLASSIFICATION ION		SIGMA		I PS CLASSIFICATION ION		SIGMA		I PS CLASSIFICATION ION	
23248.371	4300.1277	9990		23258.268	4298.3371	13260		23268.497	4296.4474	9940	
23248.583	4300.1277	15540		23258.342	4298.3371	10640		23268.708	4296.4086	10440	
23248.745	4300.0978	10580		23258.606	4298.3747	13140		23268.794	4296.3981	11340	
23248.927	4300.0456	17880		23258.993	4298.5030	15140		23268.912	4296.3709	10140	
23249.567	4299.9975	19780		23259.182	4298.1863	12540		23269.124	4296.3518	10540	
23249.563	4299.9445	10940		23259.279	4298.1502	10140		23269.388	4296.2829	12440	
23249.698	4299.7345	10442		23259.422	4298.1233	10140	34662 3 11403 4 1	23269.528	4296.2572	12540	
23249.734	4299.9149	9740		23259.521	4298.1055	9740		23270.224	4296.1287	13440	
23249.834	4299.8763	11140		23259.603	4298.0905	10340		23270.557	4296.0671	9840	
23250.048	4299.8569	19040		23259.783	4298.0571	15240		23270.822	4296.0182	10940	
23250.438	4299.7847	14940		23259.830	4298.0300	10640		23271.305	4295.9291	10840	
23250.671	4299.7415	10340		23260.213	4297.9777	9640		23271.349	4295.9210	11040	
23250.881	4299.7028	14740		23260.379	4297.9471	11540	30586 7 7326 7 1	23271.569	4295.8863	24540	29033 6 5762 5 1
23251.030	4299.6812	15940		23260.556	4297.9143	11540		23271.619	4295.8711	23540	
23251.145	4299.6539	10840		23260.732	4297.8818	10980		23271.748	4295.8473	12040	
23251.316	4299.6223	15440		23260.829	4297.8439	10140		23271.832	4295.8225	14740	
23251.429	4299.6013	13140		23260.950	4297.8415	11740		23271.874	4295.7871	9840	
23251.699	4299.5885	12840		23261.160	4297.8027	9140		23272.175	4295.7684	11140	33829 3 10557 4 1
23251.854	4299.5597	11740		23261.288	4297.7831	12040		23272.307	4295.7442	12540	
23251.763	4299.5366	16240		23261.398	4297.7587	9780		23272.497	4295.7091	12140	
23251.956	4299.5039	11140		23261.652	4297.7118	11640		23272.655	4295.6781	11540	33341 6 10069 7 1
23252.058	4299.4851	11840		23261.734	4297.6966	10740		23272.809	4295.6513	23340	33353 5 10081 5 1
23252.338	4299.4148	13240		23262.173	4297.6156	20140	30588 6 7326 7 1	23273.471	4295.5292	9728	
23252.494	4299.4046	22248		23262.284	4297.5951	21140		23273.619	4295.5020	19940	
23252.577	4299.3891	17740		23262.399	4297.5739	11880		23273.709	4295.4854	15040	
23252.702	4299.3661	94140		23262.517	4297.5520	11440		23273.768	4295.4745	15040	
23252.884	4299.3325	9590		23262.633	4297.5305	14540		23273.847	4295.4229	12940	
23252.942	4299.3180	9480		23262.708	4297.5166	11180		23274.051	4295.3354	25740	29557 5 6283 6 2
23253.070	4299.2979	9840		23262.878	4297.4854	8960		23274.698	4295.3028	10728	
23253.271	4299.2608	13740		23263.083	4297.4475	11340		23274.812	4295.2818	12140	
23253.335	4299.2490	11280		23263.592	4297.3700	9080		23274.983	4295.2501	9080	
23253.564	4299.2066	10340		23263.696	4297.3342	23940	29255 3 5991 4 1	23275.205	4295.2092	11940	
23253.717	4299.1784	11228		23263.888	4297.2947	11340		23275.363	4295.1900	10440	
23253.815	4299.1603	16840		23263.927	4297.2915	10840		23275.644	4295.1283	15140	
23253.962	4299.1331	11540		23264.086	4297.2621	9740		23275.805	4295.0978	29240	27729 5 4453 4 1
23254.194	4299.0902	21540	29503 7 6249 5 1	23264.452	4297.1946	9780		23276.053	4295.0583	17340	
23254.413	4299.0496	24540	3871 9 15456 6 1	23264.595	4297.1681	10380		23276.114	4295.0415	13680	
23254.657	4298.9986	3340		23264.770	4297.1358	16140		23276.172	4295.0308	11728	
23254.736	4298.9900	33280		23264.935	4297.1052	92240	33553 5 289 5 2	23276.250	4295.0164	16240	
23254.833	4298.9721	10040		23265.105	4297.0739	14940	30883 6 7598 5 2	23276.403	4294.9882	11640	
23254.971	4298.9421	8840		23265.210	4297.0545	14340		23276.493	4294.9741	11640	
23255.169	4298.9062	5740		23265.359	4297.0045	13440		23276.692	4294.9348	8640	
23255.367	4298.8734	6640		23265.612	4296.9820	10240		23276.825	4294.9102	9840	
23255.627	4298.8252	13228		23265.843	4296.9745	10180	34669 5 11403 4 1	23277.053	4294.8883	22340	33962 9 10665 8 1
23255.695	4298.8127	16240		23265.874	4296.9319	9840		23277.136	4294.8529	14440	27698 4 4420 5 2
23255.850	4298.7840	10740		23266.028	4296.9034	11040		23277.226	4294.8363	11240	
23255.850	4298.7840	10740		23266.113	4296.8878	9680		23277.402	4294.8039	14440	37779 9 14591 8 1
23256.065	4298.7443	9840		23266.184	4296.8746	9340		23277.814	4294.7279	16140	
23256.146	4298.7292	9840		23266.322	4296.8491	8668		23278.246	4294.6482	16440	32353 4 9075 3 2
23256.255	4298.7091	9340		23266.424	4296.8265	12240	33474 4 10208 4 1	23278.509	4294.5995	15240	
23256.506	4298.6759	12940	30252 5 7005 6 1	23266.610	4296.7520	9180		23278.603	4294.5822	14340	
23256.946	4298.5814	2340		23267.099	4296.7058	9740		23278.707	4294.5631	15040	
23257.208	4298.5329	16442		23267.209	4296.6758	11440		23278.797	4294.5351	15040	
23257.443	4298.4859	9840		23267.361	4296.6308	10228		23278.908	4294.5171	16840	
23257.615	4298.4417	10628		23267.590	4296.5411	10340		23279.058	4294.4932	12340	
23257.702	4298.4171	13460		23267.861	4296.5095	10340		23279.760	4294.3761	10040	
23257.815	4298.4015	10580		23268.231	4296.4965	10140		23280.056	4294.3143	10840	
23258.029	4298.3913	11240		23268.332	4296.4779	13140		23280.256	4294.2773	11040	
23258.155	4298.3561	16740		23268.420	4296.4617	16840		23280.350	4294.2655	11840	

I PS CLASSIFICATION ION			I PS CLASSIFICATION ION			I PS CLASSIFICATION ION		
SIGMA	WL		SIGMA	WL		SIGMA	WL	
2280.474	4294.2371	13640	23290.277	4292.4295	8880	23302.299	4290.2151	12140
2280.572	4294.2189	11340	23290.745	4292.3434	9440	23302.372	4290.2016	8780
2280.773	4294.1819	13740	23290.921	4292.3109	8340	23302.561	4290.1669	8808
2280.865	4294.1649	15940	23291.205	4292.2596	9740	23302.823	4290.1186	19140
2281.050	4294.1308	9940	23291.531	4292.1985	11240	23303.065	4290.0740	13740
2281.757	4294.0005	10440	23291.664	4292.1740	13340	23303.230	4290.0437	17040
2281.928	4293.9689	11090	23291.770	4292.1544	9440	23303.411	4290.0103	17940
2282.068	4293.9468	16740	23292.017	4292.1088	10340	23303.633	4289.9695	10540
2282.131	4293.9315	9240	23292.359	4292.0459	9040	23303.908	4289.9189	11740
2282.272	4293.9055	9440	23292.604	4292.0008	11140	23303.987	4289.9043	12040
2282.718	4293.8647	10640	23292.951	4291.9368	6840	23304.162	4289.8721	28740
2282.851	4293.8497	13240	23293.072	4291.9145	9940	23304.498	4289.8102	22240
2282.869	4293.7584	16140	23293.177	4291.8951	10140	23304.780	4289.7583	18440
2283.386	4293.7000	11540	23293.324	4291.8682	9080	23304.935	4289.7297	19540
2283.529	4293.6736	15440	23293.629	4291.8119	13040	23305.017	4289.7147	12680
2283.574	4293.6653	17640	23293.733	4291.7927	9240	23305.105	4289.6985	10240
2283.650	4293.6512	13140	23294.219	4291.7031	11040	23305.349	4289.6536	9440
2283.791	4293.6253	14940	23294.486	4291.6533	21740	23305.577	4289.6207	9740
2283.812	4293.5845	12040	23294.681	4291.6180	15140	23305.670	4289.5945	9740
2283.924	4293.5694	10240	23294.938	4291.5707	11940	23305.757	4289.5640	10380
2284.148	4293.5594	9908	23295.128	4291.5357	11280	23305.97	4289.5509	25840
2284.233	4293.5438	9840	23295.180	4291.5282	13240	23306.074	4289.5200	9540
2284.344	4293.5233	11240	23295.322	4291.4999	12140	23306.175	4289.5015	8740
2284.418	4293.5096	10140	23295.447	4291.4769	9940	23306.364	4289.4667	10340
2284.576	4293.4806	19040	23295.754	4291.4204	9340	23306.528	4289.4365	13880
2284.799	4293.4395	10780	23295.871	4291.3988	8280	23306.593	4289.4246	16840
2284.865	4293.4272	10540	23296.158	4291.3459	9680	23306.872	4289.3733	9080
2284.939	4293.4136	10640	23296.261	4291.3270	8740	23307.177	4289.3170	9280
2285.062	4293.3909	14140	23296.344	4291.3118	14480	23307.425	4289.2715	9940
2285.192	4293.3670	11090	23296.522	4291.2790	13540	23307.636	4289.2326	9840
2285.330	4293.3415	16440	23296.622	4291.2604	10040	23307.823	4289.1982	11040
2285.438	4293.3217	19940	23296.770	4291.2331	18440	23307.932	4289.1854	10080
2285.593	4293.2931	9640	23296.849	4291.2113	8808	23308.125	4289.1430	9240
2285.764	4293.2615	15480	23297.088	4291.1746	3840	23308.337	4289.1037	9840
2285.982	4293.2298	1440	23297.323	4291.1314	15940	23308.652	4289.0384	9808
2286.358	4293.2257	13740	23297.440	4291.1098	16940	23308.773	4289.0233	10882
2286.625	4293.2133	10840	23297.870	4291.0574	8360	23308.948	4288.9911	25840
2286.711	4293.1792	12540	23297.867	4291.0311	12080	23309.097	4288.9656	12280
2286.857	4293.1618	11840	23297.946	4291.0165	19940	23309.184	4288.9477	12440
2286.979	4293.1338	16940	23298.347	4290.9428	18240	23309.245	4288.9366	11380
2287.579	4293.1112	13840	23298.541	4290.9070	13040	23309.291	4288.9281	12540
2287.798	4293.0710	14440	23298.712	4290.8755	9540	23309.380	4288.9117	12340
2287.929	4293.0210	9640	23298.913	4290.8395	13840	23309.432	4288.9022	9380
2287.999	4292.9232	9440	23299.057	4290.8121	14840	23309.596	4288.8720	18708
2288.183	4292.8155	10240	23299.189	4290.7877	11440	23309.652	4288.8617	21040
2288.34	4292.7914	11440	23299.268	4290.7437	15640	23309.833	4288.8302	31240
2288.475	4292.7617	9340	23299.503	4290.7209	3240	23309.967	4288.8165	27608
2288.645	4292.7304	9940	23299.716	4290.6904	6740	23309.990	4288.7994	19940
2288.764	4292.7084	9940	23299.843	4290.6672	17040	23310.091	4288.7808	16040
2288.929	4292.6789	12240	23299.992	4290.6398	11040	23310.182	4288.7640	14540
2289.022	4292.6609	13540	23300.142	4290.6121	17640	23310.258	4288.7482	12080
2289.117	4292.6433	10640	23300.250	4290.5923	14540	23310.350	4288.7330	11940
2289.211	4292.6261	11240	23300.452	4290.5552	9040	23310.550	4288.6963	27340
2289.363	4292.5981	17140	23300.605	4290.5269	9490	23310.718	4288.6656	10280
2289.498	4292.5731	10740	23300.835	4290.4845	10740	23310.828	4288.6453	9840
2289.662	4292.5392	10980	23301.175	4290.4219	19740	23310.978	4288.6177	10840
2289.738	4292.5290	11540	23301.311	4290.3969	11680	23311.277	4288.5626	10540
2289.803	4292.5170	13140	2331.566	4290.3500	11740	23311.477	4288.5259	9404
2290.000	4292.4806	12640	23301.869	4290.2943	10740	23312.083	4288.4144	21640
2290.180	4292.4474	9240	23302.023	4290.2659	11940	23312.382	4288.3631	14540

SIGMA	ML	I PS CLASSIFICATION	ION	SIGMA	ML	I PS CLASSIFICATION	ION	SIGMA	ML	I PS CLASSIFICATION	ION
23312.527	4288.328	28940	23322.315	4286.5595	9440	23332.936	4284.7654	9342			
23312.613	4288.3169	23580	23322.315	4286.5329	13640	23332.246	4284.7084	15840			
23312.794	4288.2837	10458	23322.387	4286.5198	11780	23332.372	4284.6853	9640			
23313.059	4288.2717	11940	23322.480	4286.5027	15140	23332.956	4284.5836	10240			
23313.004	4288.2449	13140	23322.715	4286.4594	12440	23333.050	4284.5608	11440			
23313.070	4288.2291	11440	23322.941	4286.4363	9080	23333.103	4284.5510	11640			
23313.235	4288.2022	9840	23322.920	4286.4218	10940	23333.210	4284.5299	11540			
23313.347	4288.1820	15940	23323.190	4286.3721	8940	23333.353	4284.5051	18840			
23313.474	4288.1676	13540	23323.325	4286.3473	9940	23333.333	4284.4901	13040			
23313.595	4288.1363	9540	23323.520	4286.3115	11264	23333.561	4284.4668	13540			
23313.695	4288.1179	9268	23323.602	4286.2867	13080	23333.673	4284.4429	10740			
23313.800	4288.0986	12568	23323.576	4286.2627	1168	23333.259	4284.4287	11540			
23313.872	4288.0854	16140	23323.742	4286.2706	23640	23334.366	4284.4191	8940			
23314.063	4288.0502	14840	23323.921	4286.2377	9440	23334.709	4284.2561	10840			
23314.310	4288.0047	10140	23324.175	4286.1911	12140	23334.868	4284.2270	13940			
23314.491	4287.9714	19840	23324.247	4286.1779	11940	23335.009	4284.2010	10540			
23314.683	4287.9362	9768	23324.451	4286.1404	16640	23335.127	4284.1794	12580			
23314.923	4287.8520	16540	23324.677	4286.0949	10240	23335.168	4284.1719	12490			
23315.091	4287.8610	11540	23324.826	4286.0715	10740	23335.310	4284.1457	11340			
23315.263	4287.8296	15840	23325.010	4286.0376	10940	23335.521	4284.1070	12440			
23315.366	4287.8125	13140	23325.149	4286.0047	27440	23335.780	4284.0596	10940			
23315.464	4287.7924	13380	23325.353	4285.9930	20268	23336.262	4283.9710	16340			
23315.754	4287.7539	27040	23325.522	4285.9431	30440	23336.567	4283.9224	16740			
23315.854	4287.7204	16580	23325.632	4285.9271	9768	23336.686	4283.9001	15740			
23315.950	4287.6837	8240	23325.845	4285.8859	10340	23336.929	4283.8486	12840			
23316.040	4287.6624	12940	23326.105	4285.8254	9740	23337.222	4283.8315	9568			
23316.233	4287.6512	14340	23326.223	4285.7780	9668	23337.233	4283.7928	8868			
23316.542	4287.5944	11040	23326.423	4285.7069	9740	23337.329	4283.7751	9240			
23316.656	4287.5734	12568	23326.517	4285.6707	12768	23337.420	4283.7584	10290			
23316.771	4287.5322	15940	23326.555	4285.7354	16862	23337.562	4283.7325	11840			
23316.966	4287.5162	9780	23326.754	4285.7173	16862	23337.716	4283.7041	10440			
23317.043	4287.5022	16640	23326.935	4285.6840	16340	23337.820	4283.6850	13040			
23317.271	4287.4603	11140	23327.142	4285.6459	14340	23338.337	4283.5901	10880			
23317.369	4287.4422	12540	23327.305	4285.6160	14040	23338.417	4283.5755	11540			
23317.465	4287.4246	9740	23327.655	4285.5866	82840	23338.497	4283.5608	10480			
23317.925	4287.3789	9940	23327.605	4285.5609	8340	23339.151	4283.4406	12340			
23318.064	4287.3144	9540	23327.938	4285.4966	8940	23339.266	4283.4251	11440			
23318.300	4287.2709	12540	23328.106	4285.4688	26440	23339.330	4283.4078	12940			
23318.371	4287.2543	15840	23328.432	4285.4090	15840	23339.350	4283.3994	9040			
23318.503	4287.2336	9340	23328.705	4285.3588	10240	23339.421	4283.3829	20440			
23318.688	4287.1997	13840	23328.883	4285.3260	10240	23340.116	4283.2669	18040			
23318.817	4287.1760	11740	23329.118	4285.2830	10240	23340.316	4283.2263	11390			
23319.002	4287.1419	9740	23329.268	4285.2553	14040	23340.441	4283.2003	11390			
23319.301	4287.0870	10140	23329.333	4285.2251	59440	23340.515	4283.1852	10968			
23319.411	4287.0667	9540	23329.413	4285.1919	13840	23340.790	4283.1399	6740			
23319.758	4287.0030	10240	23329.613	4285.1475	21840	23340.922	4283.1152	10480			
23319.797	4286.9958	11140	23329.940	4285.1098	12940	23341.069	4283.0992	15840			
23319.893	4286.9781	9340	23330.060	4285.0793	10940	23341.254	4283.0836	15840			
23319.977	4286.9628	8680	23330.424	4285.0431	15340	23341.204	4283.0640	10440			
23320.148	4286.8313	10240	23330.566	4285.0279	11480	23341.336	4283.0398	14880			
23320.526	4286.8218	13940	23330.622	4284.9700	15740	23341.404	4283.0272	16440			
23320.667	4286.7990	16140	23330.822	4284.9553	17740	23341.591	4282.9929	11740			
23320.952	4286.7835	15740	23330.901	4284.9406	11480	23341.669	4282.9787	13040			
23321.129	4286.7347	10040	23331.590	4284.9289	19040	23341.845	4282.9464	9940			
23321.217	4286.7100	10040	23331.576	4284.9131	12180	23341.925	4282.9316	8940			
23321.360	4286.7048	13040	23331.791	4284.7919	10040						
23321.651	4286.6532	9340									
23321.888	4286.6115	9240									



SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
23342.078	4282.9035	17940	23352.605	4290.9729	11640	23365.562	4274.5988	12240
23342.444	4282.6345	9880	23352.693	4280.9548	16440	23365.472	4274.5788	11140
23342.543	4282.8183	10740	23352.788	4280.9394	11140	23365.946	4274.5248	10640
23342.701	4282.7893	9840	23352.877	4280.9230	13140	23365.988	4274.5026	13940
23343.065	4282.7225	13940	23353.568	4280.7944	8740	23366.242	4274.4744	11440
23343.437	4282.6542	8300	23353.718	4280.7698	8740	23366.353	4274.4540	10240
23343.608	4282.6229	7400	23354.057	4280.7057	13780	23366.591	4274.4105	9680
23343.767	4282.5937	10840	23354.190	4280.6823	12780	23366.723	4274.3863	10040
23343.913	4282.5669	8480	23354.361	4280.6519	28540	23366.851	4274.3628	12640
23344.330	4282.4904	19040	23354.575	4280.6118	18940	23367.061	4274.3244	12340
23344.491	4282.4638	30040	23354.804	4280.5699	14540	23367.208	4274.2974	10740
23344.806	4282.4031	29240	23354.947	4280.5260	14240	23367.373	4274.2673	10440
23344.974	4282.3723	12308	23354.932	4280.5463	12740	23367.480	4274.2478	11040
23345.079	4282.3530	9401	23355.016	4280.5309	9980	23367.614	4274.2231	9340
23345.119	4282.3383	9980	23355.687	4280.4447	7140	23367.919	4274.1674	25740
23345.394	4282.3137	12440	23355.604	4280.4231	10540	23368.323	4274.1116	19440
23345.465	4282.2822	9440	23355.672	4280.4107	10640	23368.356	4274.0970	16940
23345.841	4282.2499	14240	23356.116	4280.3250	21340	23368.354	4274.0510	12780
23345.862	4282.2204	18540	23356.230	4280.3085	20640	23368.672	4274.0294	10108
23345.923	4282.1983	16140	23356.399	4280.2774	10140	23368.757	4274.0139	10640
23346.017	4282.1810	13740	23356.802	4280.2036	23040	23369.126	4277.9463	9540
23346.192	4282.1489	9140	23356.964	4280.1739	18940	23369.201	4277.9326	9840
23346.307	4282.1278	10640	23357.013	4280.1650	16708	23369.530	4277.8724	9640
23346.470	4282.0979	12540	23357.134	4280.1428	12240	23369.436	4277.8531	9140
23346.714	4282.0532	9440	23357.365	4280.1095	10640	23370.355	4277.7397	10040
23346.980	4282.0271	11441	23357.645	4280.1074	11980	23370.583	4277.6980	9840
2337.949	4281.9917	1740	23357.728	4280.0339	24440	23370.846	4277.6864	10480
2337.949	4281.9746	14940	23357.961	4279.0037	1580	23370.829	4277.6314	12540
2337.922	4281.9599	1430	23358.508	4279.0037	2340	23370.829	4277.6314	12540
2337.922	4281.9445	12480	23358.718	4279.8535	12140	23371.198	4277.5611	16440
2337.952	4281.8993	15480	23358.766	4279.8437	12880	23371.393	4277.5313	23040
2337.925	4281.8676	22340	23359.115	4279.7799	10080	23371.542	4277.5041	12540
2338.031	4281.8116	23640	23359.838	4279.6474	10640	23371.637	4277.4868	10680
2338.116	4281.7960	14490	23360.116	4279.5964	9740	23371.759	4277.4644	11308
2338.240	4281.7733	10440	23360.315	4279.5600	12440	23371.839	4277.4498	14840
2338.339	4281.7552	11140	23360.587	4279.5102	10940	23372.007	4277.4191	8980
2338.501	4281.7254	20040	23360.713	4279.4870	11440	23372.142	4277.3943	9240
2338.544	4281.7174	19590	23360.789	4279.4732	9480	23372.261	4277.3726	9740
2338.752	4281.6793	12340	23360.992	4279.4359	13440	23372.412	4277.3449	12640
2338.991	4281.6356	19940	23361.121	4279.4123	10140	23372.467	4277.2982	10240
2339.525	4281.5377	23040	23361.377	4279.3664	14640	23372.866	4277.2582	9380
2339.707	4281.5043	26340	23361.629	4279.3460	19180	23373.238	4277.2136	19140
2339.787	4281.4865	6190	23361.608	4279.3231	29440	23373.341	4277.1384	13340
2339.827	4281.4685	6640	23361.874	4279.2744	12040	23373.785	4277.0737	12940
2339.861	4281.3806	12640	23361.955	4279.2598	16640	23373.826	4277.0679	11240
2339.915	4281.3552	18440	23362.063	4279.2398	9980	23374.121	4277.0321	11540
2339.913	4281.3381	12640	23362.141	4279.2255	9280	23374.354	4274.9896	10640
2339.913	4281.3192	11440	23362.757	4279.1126	8880	23374.573	4274.9494	12280
2339.996	4281.2680	11380	23362.843	4279.0968	9240	23374.625	4274.9400	11308
2331.211	4281.2285	28540	23363.168	4279.0374	9280	23374.896	4274.8904	13340
23351.391	4281.1954	12380	23363.326	4279.0084	10380	23375.341	4274.8089	13740
23351.471	4281.1807	14240	23363.393	4278.9960	9080	23375.502	4274.7794	9240
23351.680	4281.1424	25240	23363.790	4278.9234	15840	23375.635	4274.7552	9680
23351.926	4281.1091	10780	23363.643	4278.8954	12640	23375.737	4274.7364	10340
23351.926	4281.0973	10080	23364.062	4278.8735	10140	23375.737	4274.7364	10340
23351.972	4281.0849	10180	23364.495	4278.7942	11440	23376.306	4274.6542	8460
23352.065	4281.0714	11680	23364.729	4278.7514	7740	23376.409	4274.6324	10380
23352.284	4281.0373	26140	23365.309	4278.6452	14440	23376.505	4274.5960	22240
23352.429	4281.0053	10880	23365.367	4278.6310	18840	23376.592	4274.5601	17740

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
23376.737	4276.5536	20040	23391.398	4273.8731	19340	23403.305	4271.6985	10940	23407.772	4270.8833	27940
23376.947	4276.5151	15940	23391.495	4273.8553	16480	23403.367	4271.6873	8768	23408.506	4270.7284	8780
23377.232	4276.4610	29440	23391.562	4273.8430	17740	23403.462	4271.6699	9480	23408.622	4270.6630	12540
23377.405	4276.4314	15940	23391.711	4273.8158	12640	23403.905	4271.5892	22340	23409.076	4270.6456	19540
23377.496	4276.4146	10940	23391.810	4273.7978	12640	23404.037	4271.5649	14140	23409.238	4270.6180	14140
23377.599	4276.3958	10440	23391.915	4273.7749	13940	23404.106	4271.5525	11880	23409.452	4270.5769	9040
23377.701	4276.3772	10240	23392.041	4273.7555	13340	23404.179	4271.5390	9768	23409.682	4270.5349	15140
23377.896	4276.3414	10340	23392.195	4273.7375	9480	23404.406	4271.4976	10340	23410.010	4270.4751	13940
23378.144	4276.2961	14540	23392.476	4273.6781	13440	23404.547	4271.4719	10540	23410.080	4270.4623	12040
23378.192	4276.2973	14540	23392.645	4273.6452	9480	23404.683	4271.4410	9580	23410.540	4270.3784	11640
23378.620	4276.2500	10180	23392.793	4273.6181	11940	23404.868	4271.4134	24140	23410.689	4270.3512	8240
23378.828	4276.1711	8980	23392.943	4273.5708	9140	23405.250	4271.3336	10080	23410.893	4270.3139	9340
23378.970	4276.1451	15940	23393.291	4273.5272	10040	23405.295	4271.3353	10680	23411.121	4270.2724	15240
23379.219	4276.0994	22040	23393.651	4273.4614	13440	23405.879	4271.2288	31940	23411.283	4270.2459	16040
23379.336	4276.0781	14640	23393.783	4273.4374	19340	23406.517	4271.1824	24940	23411.516	4270.2156	11740
23379.657	4276.0195	10940	23394.103	4273.3789	9340	23406.568	4271.1866	10968	23411.516	4270.2094	10040
23379.846	4275.9848	22440	23394.383	4273.2912	12040	23406.742	4271.1714	9840	23412.028	4270.1070	11940
23379.910	4275.9731	24240	23395.177	4273.1827	33940	23406.988	4271.1025	9180	23412.444	4270.0311	8780
23380.632	4275.8411	13740	23395.367	4273.1479	15440	23407.173	4270.9927	23740	23412.963	4269.9304	8940
23380.826	4275.8057	12440	23395.522	4273.1196	10240	23407.336	4270.9659	11240	23413.170	4269.8978	12468
23381.292	4275.7203	2240	23395.736	4273.0866	8168	23407.591	4270.9164	10280	23413.230	4269.8978	14640
23381.555	4275.6653	8240	23395.911	4273.0493	11740	23407.772	4270.8833	27940	23413.522	4269.8345	8440
23381.571	4275.6653	8668	23396.128	4273.0090	9840	23407.943	4270.8521	12640	23413.740	4269.7948	16140
23382.011	4275.5869	18240	23396.244	4272.9878	9880	23408.043	4270.8340	11940	23413.796	4269.7845	12968
23382.444	4275.5097	9240	23396.369	4272.9650	10680	23408.506	4270.7494	11740	23414.003	4269.7468	25840
23382.885	4275.4291	8780	23396.472	4272.9482	15440	23408.622	4270.7284	8780	23414.251	4269.7016	17340
23383.018	4275.4087	9840	23396.511	4272.9391	14880	23408.980	4270.6630	12540			
23383.197	4275.3721	9480	23396.749	4272.8956	22440	23409.076	4270.6456	19540			
23383.641	4275.2908	11640	23396.910	4272.8662	12140	23409.238	4270.6180	14140			
23383.719	4275.2766	12640	23397.032	4272.8440	9480	23409.452	4270.5769	9040			
23384.018	4275.2219	17340	23397.295	4272.7959	11040	23409.682	4270.5349	15140			
23384.094	4275.2091	13390	23397.373	4272.7816	13540	23410.010	4270.4751	13940			
23384.563	4275.1323	20740	23397.692	4272.7234	13540	23410.080	4270.4623	12040			
23384.747	4275.0854	12980	23397.832	4272.6978	12340	23410.540	4270.3784	11640			
23384.828	4275.0739	14240	23398.021	4272.6634	18740	23410.689	4270.3512	8240			
23384.957	4275.0502	17840	23398.320	4272.6086	15940	23410.893	4270.2967	8768			
23385.088	4275.0263	14440	23398.413	4272.5918	9280	23411.121	4270.2724	15240			
23385.611	4274.9307	26440	23398.674	4272.5441	13240	23411.283	4270.2459	16040			
23385.897	4274.8784	23240	23398.730	4272.5338	12640	23411.516	4270.2156	11740			
23386.192	4274.8245	13440	23398.950	4272.4937	11740	23411.811	4270.1766	14680			
23386.334	4274.7985	10380	23399.066	4272.4795	9240	23411.939	4270.1597	18540			
23386.436	4274.7798	8580	23399.297	4272.4302	10540	23412.028	4270.1070	11940			
23386.663	4274.7395	15940	23399.375	4272.4160	9540	23412.444	4270.0311	8780			
23386.823	4274.7091	11640	23399.510	4272.3914	10940	23412.963	4269.9304	8940			
23386.879	4274.6999	12740	23399.644	4272.3364	10940	23413.170	4269.8978	12468			
23387.032	4274.6749	15940	23400.010	4272.3082	11840	23413.230	4269.8978	14640			
23387.500	4274.5953	9380	23400.165	4272.2865	19740	23413.522	4269.8345	8440			
23388.267	4274.4453	9840	23400.329	4272.2419	9280	23413.740	4269.7948	16140			
23388.393	4274.4222	10940	23400.503	4272.2015	9340	23413.796	4269.7845	12968			
23388.470	4274.4021	8668	23400.620	4272.1888	11340	23414.003	4269.7468	25840			
23388.535	4274.3902	10080	23400.850	4272.1015	9340						
23388.719	4274.3626	8940	23401.247	4272.0743	10040						
23388.977	4274.3154	9580	23401.599	4272.0161	10240						
23389.109	4274.2914	9280	23401.743	4271.9836	11740						
23389.825	4274.1605	10380	23401.651	4271.9640	15740						
23389.997	4274.1291	10180	23401.950	4271.9444	13940						
23390.657	4274.0153	15080	23402.370	4271.8692	15240						
23390.957	4273.9719	29380	23402.567	4271.8333	9340						
23391.202	4273.9099	12580	23402.674	4271.7733	8580						
			23402.968	4271.7600	8340						



I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		
SIGMA	WL	SIGMA	WL	SIGMA	WL	SIGMA	WL	
23447.207	4263.7002	166A0	23452.990	4260.9578	102B0	23452.990	4260.9578	102B0
23447.379	4263.6690	105B0	23462.424	4260.9348	95C3	23475.569	4259.5489	123C8
23447.646	4263.6204	84B0	23462.474	4260.9269	95C3	23475.569	4258.5334	161A0
23447.752	4263.6011	100B0	23463.015	4260.9215	104B0	23475.595	4258.4897	153A0
23447.927	4263.5692	100B0	23463.205	4260.9200	173A0	23475.993	4258.4720	123B0
23448.020	4263.5595	98B0	23463.501	4260.9177	135B0	23476.107	4258.4513	87B0
23448.181	4263.5287	97B0	23463.824	4260.9151	112A0	23476.369	4258.4038	159A0
23448.224	4263.5153	87B0	23463.781	4260.9133	145B0	23476.603	4258.3913	122B2
23448.431	4263.4773	164B0	23463.845	4260.9127	155B0	23476.715	4258.3811	130B0
23448.539	4263.4599	154B0	23464.051	4260.9104	125B0	23476.918	4258.3042	116B0
23448.766	4263.4168	243A0	23464.348	4260.9085	122A0	23477.090	4258.2730	126B0
23449.036	4263.3676	123B0	23464.421	4260.9071	126C0	23477.621	4258.1768	140B0
23449.083	4263.3591	120F0	23464.941	4260.9078	109B0	23477.927	4258.1212	137A0
23449.190	4263.3396	86C4	23465.096	4260.9066	110B0	23478.087	4258.0921	118B0
23449.296	4263.3205	142B0	23465.242	4260.9046	124B0	23478.223	4258.0493	124B0
23449.386	4263.3039	192A0	23465.269	4260.9041	183B0	23478.471	4258.0224	110B0
23450.034	4263.1859	89B0	23465.526	4260.9015	175A0	23478.430	4257.9937	81B1
23450.435	4263.1139	172A0	23465.840	4260.8998	87C8	23478.799	4257.9817	102B0
23450.512	4263.0933	135A0	23465.940	4260.8989	67C8	23480.028	4257.7401	148A0
23450.593	4263.0846	119B0	23465.976	4260.8982	97B0	23480.178	4257.7129	135B0
23450.799	4263.0471	137B0	23465.976	4260.8989	139B0	23480.258	4257.6985	145B0
23451.049	4263.0017	164B0	23466.584	4260.8957	171C8	23480.358	4257.6582	90B0
23451.360	4262.9451	134B0	23466.815	4260.8946	85B0	23480.592	4257.5582	90B0
23451.658	4262.8909	276A0	23467.054	4260.8941	114B0	23480.866	4257.5893	122A0
23451.902	4262.8467	175A0	23467.278	4260.8934	211A0	23480.997	4257.5645	149A0
23452.200	4262.7925	112B0	23467.536	4260.8926	242A0	23481.211	4257.5258	130B0
23452.776	4262.6878	95B0	23467.893	4259.9419	100B0	23481.336	4257.5039	236A0
23453.076	4262.6454	107B0	23468.030	4259.9187	95C4	23481.499	4257.4735	120B0
23453.339	4262.5855	123B0	23468.237	4259.8784	291A0	23481.893	4257.4020	115B0
23453.441	4262.5669	133C8	23468.629	4259.8466	112B0	23482.248	4257.3679	94B0
23453.521	4262.5533	206A0	23468.679	4259.8139	162B0	23482.378	4257.3451	130A0
23453.680	4262.4800	95B0	23468.680	4259.7974	116B0	23482.775	4257.2604	119B0
23453.919	4262.4498	128B0	23468.974	4259.7274	116B0	23483.566	4257.2495	91B0
23454.085	4262.4208	92B0	23469.230	4259.6992	148B0	23483.953	4257.1916	93B0
23454.858	4262.3094	92B0	23469.411	4259.6664	178B0	23483.320	4257.1775	86B0
23455.078	4262.1947	92B0	23469.444	4259.6693	186A0	23483.473	4257.1156	77C8
23455.689	4262.1584	164A0	23469.685	4259.6167	154B0	23483.595	4257.0935	119B0
23455.894	4262.1208	111B0	23469.878	4259.5634	173A0	23483.672	4257.0795	137B0
23456.114	4262.0812	146B0	23470.385	4259.4895	119B0	23483.861	4257.0422	141A0
23456.534	4262.0049	102B0	23470.580	4259.4542	300B0	23484.083	4257.0050	239A0
23456.792	4261.9590	110B0	23470.755	4259.4233	125C0	23484.221	4256.9800	189B0
23457.163	4261.8990	124B0	23470.972	4259.4012	110C0	23484.403	4256.9470	174B0
23457.547	4261.8207	74B0	23471.115	4259.3571	217B0	23484.439	4256.9080	182B0
23457.749	4261.7841	103B0	23471.233	4259.3194	186A0	23484.764	4256.8814	182B0
23458.045	4261.7302	215A0	23471.468	4259.2546	121B0	23484.982	4256.8421	91C0
23458.439	4261.6587	134A0	23471.608	4259.2546	121B0	23485.281	4256.7879	173A0
23459.011	4261.5911	200A0	23471.808	4259.2312	103B0	23485.416	4256.7634	94B0
23459.310	4261.5084	263A0	23471.979	4259.2093	424A0	23485.781	4256.6973	123B0
23459.496	4261.4668	93B0	23472.232	4259.1544	157B0	23486.297	4256.6037	113C8
23459.592	4261.4493	136B0	23472.505	4259.1049	139B0	23486.346	4256.5949	129B0
23459.643	4261.4399	120C8	23472.792	4259.0527	155A0	23486.479	4256.5707	114B0
23459.726	4261.4249	121B0	23473.199	4259.0789	115B0	23486.879	4256.5318	267A0
23460.175	4261.3434	114B0	23473.372	4259.0411	90B6	23486.872	4256.4995	86B0
23460.398	4261.3027	206A0	23473.761	4259.0733	113B0	23486.965	4256.4826	117B0
23460.649	4261.2572	120C8	23473.887	4259.0542	132A0	23487.053	4256.4668	122B0
23460.721	4261.2442	166B0	23473.993	4259.0348	143B0	23487.176	4256.4444	91B0
23461.331	4261.1334	108B0	23474.316	4259.0772	75B0	23487.379	4256.4075	103B0
23461.579	4261.0884	172B0	23474.636	4259.0667	86B0	23487.699	4256.3858	188A0
23461.862	4261.0370	95B0	23474.944	4259.0351	187A0	23487.961	4256.3021	96B0
23462.047	4261.0034	236A0	23475.071	4259.0668	86B0	23488.232	4256.2530	93B0

I PS CLASSIFICATION ION SIGMA WL I PS CLASSIFICATION ION SIGMA WL I PS CLASSIFICATION ION SIGMA WL I PS CLASSIFICATION ION SIGMA WL

23488.379	4256.228	204A0	29250 4	5762 5	1	23500.678	4253.974	11780	23511.661	4252.017	171A0
23488.995	4256.114	8180	29934 3	6445 4	2	23501.072	4253.924	10780	23511.841	4251.979	9490
23489.077	4256.100	8980				23501.317	4253.861	9780	23511.896	4251.962	8180
23489.161	4256.081	11480				23501.487	4253.854	277A0	23512.109	4251.936	241A0
23489.599	4256.0035	13A40				23501.747	4253.802	76C8	23512.283	4251.892	8790
23490.330	4255.6787	8980				23502.105	4253.7492	9780	23512.502	4251.8596	9780
23490.739	4255.7957	9390				23502.298	4253.706	299A0	23513.017	4251.7663	12190
23490.857	4255.7775	11680				23502.461	4253.6762	13780	23513.176	4251.7376	167A0
23490.976	4255.7598	8980				23502.632	4253.6452	12980	23513.291	4251.7169	10780
23491.085	4255.7360	11290				23502.812	4253.6127	9780	23513.457	4251.6868	16290
23491.261	4255.7042	229A0				23502.954	4253.5868	9682	23513.525	4251.6746	13480
23491.531	4255.6553	86C8				23503.090	4253.5423	149A0	23513.593	4251.6622	104C8
23491.617	4255.6397	12480				23503.304	4253.5265	7780	23513.710	4251.6412	12080
23491.826	4255.6018	9380				23503.593	4253.4713	9880	23514.006	4251.5876	9580
23492.190	4255.5358	8180				23503.604	4253.4530	8980	23514.272	4251.5395	11780
23492.511	4255.4777	7540				23503.913	4253.4134	64C8	23514.668	4251.5041	10980
23492.591	4255.4633	10390				23504.037	4253.3909	84C8	23514.586	4251.485	10680
23492.647	4255.4531	10580				23504.236	4253.3566	9280	23514.790	4251.445	162A0
23492.704	4255.4439	9780							23515.045	4251.3998	271A0
23492.870	4255.4169	183A0	29484 5	5991 4	1	23504.630	4253.2936	141C8	23515.236	4251.3651	14280
23492.981	4255.3927	115C8				23504.691	4253.2725	16980	23515.435	4251.3292	296A0
23493.163	4255.3596	136A0				23504.932	4253.2290	11780	23515.604	4251.2986	12190
23493.384	4255.3197	194A0				23504.999	4253.2169	11480	23515.714	4251.2788	10280
23493.951	4255.2391	10380				23505.062	4253.2055	9180	23515.798	4251.2637	9380
23493.953	4255.2165	13980				23505.264	4253.1649	10880	23517.098	4251.0287	10680
23494.033	4255.2021	12380				23505.740	4253.0937	186A0	23517.687	4250.9583	160A0
23494.478	4255.1215	13480				23505.975	4253.0432	169A0	23517.693	4250.9210	167A0
23494.624	4255.0950	29A0	30500 6	7005 6	1	23506.077	4253.0217	10780	23517.835	4250.8954	127A0
23494.811	4255.0612	12280				23506.071	4253.0217	8780	23517.929	4250.8777	9780
23494.991	4255.0286	1190				23506.413	4252.9609	10780	23518.119	4250.8440	12280
23495.081	4255.0132	17780				23506.577	4252.9313	10980	23518.434	4250.7956	17300
23495.165	4254.9970	169A0				23506.628	4252.8811	156A0	23518.519	4250.777	9180
23495.327	4254.9637	12380				23506.886	4252.8753	133C8	23518.586	4250.7596	11590
23495.333	4254.9435	9680				23507.146	4252.8283	92C8	23519.481	4250.7425	12690
23495.629	4254.9131	8380				23507.358	4252.7900	13480	23519.814	4250.6099	163C8
23495.885	4254.8646	11880				23507.502	4252.7640	162A0	23519.831	4250.5768	180C8
23495.942	4254.8544	85C4				23507.765	4252.7164	12280	23519.892	4250.5236	227A0
23496.123	4254.8236	13980				23508.119	4252.6523	8980	23520.177	4250.4720	155A0
23496.659	4254.7246	159A0				23508.340	4252.6123	9480	23520.372	4250.4368	11290
23496.923	4254.6787	13590				23508.619	4252.5619	12780	23520.587	4250.3979	11390
23497.193	4254.6298	198A0	31361 6	7864 5	1	23508.609	4252.5235	8280	23520.877	4250.3250	15690
23497.367	4254.5943	8980				23508.904	4252.5104	13780	23520.991	4250.2204	10290
23497.655	4254.5441	8780				23509.194	4252.4518	1480	23521.296	4250.1795	236A0
23497.809	4254.5133	8980				23509.370	4252.4261	307A0	23521.330	4250.1554	215A0
23498.352	4254.4300	9180				23509.644	4252.3785	10680	23522.100	4250.1285	12190
23498.485	4254.3958	13480				23509.644	4252.3785	96C4	23522.368	4250.0601	222A0
23498.603	4254.3744	95C8				23509.716	4252.3635	96C4	23522.568	4250.0401	222A0
23498.693	4254.3586	138A0				23509.874	4252.3349	14880	23522.780	4250.0017	10480
23498.891	4254.3223	10090	34486 5	10987 6	1	23510.146	4252.2856	10480	23522.877	4249.9842	9480
23499.057	4254.2922	13080				23510.442	4252.2332	214A0	23523.014	4249.9595	112A0
23499.198	4254.2667	134A0				23510.614	4252.2039	9580	23523.211	4249.9236	12690
23499.358	4254.2378	20A0	30504 7	7005 6	1	23510.687	4252.1878	8480	23523.495	4249.8364	259A0
23499.486	4254.2146	13680				23510.791	4252.1649	6580	23523.518	4249.8112	165C4
23499.713	4254.1736	174A0				23510.943	4252.1415	13180	23523.700	4249.7764	133C8
23499.804	4254.1571	129A0				23511.053	4252.1215	13180	23524.026	4249.7262	11180
23499.988	4254.1237	176C8				23511.308	4252.0795	227A0	23524.899	4249.6282	11980
23500.235	4254.0790	216A0	32376 4	8878 3	1	23511.360	4252.0661	20580	23525.271	4249.5516	129A0
23500.420	4254.0274	14980				23511.477	4252.0449	123C8	23525.354	4249.5367	1436A
23500.681	4253.9981	12980	31633 4	8133 4	1	23511.589	4252.0246	12490	23525.453	4249.5188	16290

I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION	
SIGMA	WL	SIGMA	WL	SIGMA	WL	SIGMA	WL
23525.519	4249.3069	23538.390	4247.1886	23544.263	4245.7630	23544.263	4245.7630
23525.726	4249.6696	23538.442	4247.1736	23544.393	4245.7396	23544.393	4245.7396
23526.200	4249.3838	23538.574	4247.1500	23546.517	4245.7173	23546.517	4245.7173
23526.452	4249.3383	23538.655	4247.1336	23546.759	4245.6736	23546.759	4245.6736
23526.637	4249.3049	23538.754	4247.1176	23547.045	4245.6567	23547.045	4245.6567
23526.902	4249.2570	23538.888	4247.0933	23547.311	4245.6270	23547.311	4245.6270
23526.981	4249.2428	23538.931	4247.0675	23547.581	4245.6101	23547.581	4245.6101
23527.205	4249.2058	23539.031	4247.0675	23547.851	4245.5932	23547.851	4245.5932
23527.281	4249.1867	23539.157	4247.0508	23548.121	4245.5763	23548.121	4245.5763
23527.457	4249.1568	23539.282	4247.0340	23548.391	4245.5594	23548.391	4245.5594
23527.577	4249.1351	23539.408	4247.0172	23548.661	4245.5425	23548.661	4245.5425
23527.700	4249.1129	23539.534	4246.9999	23548.931	4245.5256	23548.931	4245.5256
23527.771	4249.1002	23539.660	4246.9830	23549.201	4245.5087	23549.201	4245.5087
23527.866	4249.0830	23539.786	4246.9661	23549.471	4245.4918	23549.471	4245.4918
23527.941	4249.0694	23539.912	4246.9492	23549.741	4245.4749	23549.741	4245.4749
23528.093	4249.0419	23540.038	4246.9323	23549.991	4245.4580	23549.991	4245.4580
23528.366	4248.9927	23540.164	4246.9154	23550.261	4245.4411	23550.261	4245.4411
23528.466	4248.9747	23540.290	4246.8985	23550.531	4245.4242	23550.531	4245.4242
23528.774	4248.9187	23540.416	4246.8816	23550.801	4245.4073	23550.801	4245.4073
23528.924	4248.8919	23540.542	4246.8647	23551.071	4245.3904	23551.071	4245.3904
23529.257	4248.8300	23540.668	4246.8478	23551.341	4245.3735	23551.341	4245.3735
23529.324	4248.8137	23540.794	4246.8309	23551.611	4245.3566	23551.611	4245.3566
23529.656	4248.7537	23540.920	4246.8140	23551.881	4245.3397	23551.881	4245.3397
23530.304	4248.6427	23541.046	4246.7971	23552.151	4245.3228	23552.151	4245.3228
23530.437	4248.6168	23541.172	4246.7802	23552.421	4245.3059	23552.421	4245.3059
23530.485	4248.6100	23541.298	4246.7633	23552.691	4245.2890	23552.691	4245.2890
23530.639	4248.5822	23541.424	4246.7464	23552.961	4245.2721	23552.961	4245.2721
23531.053	4248.5074	23541.550	4246.7295	23553.231	4245.2552	23553.231	4245.2552
23531.202	4248.4807	23541.676	4246.7126	23553.501	4245.2383	23553.501	4245.2383
23531.334	4248.4761	23541.802	4246.6957	23553.771	4245.2214	23553.771	4245.2214
23532.631	4248.2226	23541.928	4246.6788	23554.041	4245.2045	23554.041	4245.2045
23532.952	4248.1647	23542.054	4246.6619	23554.311	4245.1876	23554.311	4245.1876
23533.202	4248.1196	23542.180	4246.6450	23554.581	4245.1707	23554.581	4245.1707
23533.336	4248.0965	23542.306	4246.6281	23554.851	4245.1538	23554.851	4245.1538
23533.597	4248.0590	23542.432	4246.6112	23555.121	4245.1369	23555.121	4245.1369
23533.727	4248.0247	23542.558	4246.5943	23555.391	4245.1200	23555.391	4245.1200
23533.846	4248.0033	23542.684	4246.5774	23555.661	4245.1031	23555.661	4245.1031
23533.922	4247.9495	23542.810	4246.5605	23555.931	4245.0862	23555.931	4245.0862
23534.024	4247.9712	23542.936	4246.5436	23556.201	4245.0693	23556.201	4245.0693
23534.115	4247.9547	23543.062	4246.5267	23556.471	4245.0524	23556.471	4245.0524
23534.201	4247.9391	23543.188	4246.5098	23556.741	4245.0355	23556.741	4245.0355
23534.411	4247.9077	23543.314	4246.4929	23557.011	4245.0186	23557.011	4245.0186
23534.601	4247.8670	23543.440	4246.4760	23557.281	4245.0017	23557.281	4245.0017
23534.703	4247.8486	23543.566	4246.4591	23557.551	4244.9848	23557.551	4244.9848
23534.832	4247.8362	23543.692	4246.4422	23557.821	4244.9679	23557.821	4244.9679
23534.967	4247.8130	23543.818	4246.4253	23558.091	4244.9510	23558.091	4244.9510
23534.959	4247.7952	23543.944	4246.4084	23558.361	4244.9341	23558.361	4244.9341
23535.048	4247.7853	23544.070	4246.3915	23558.631	4244.9172	23558.631	4244.9172
23535.277	4247.7450	23544.196	4246.3746	23558.901	4244.9003	23558.901	4244.9003
23535.379	4247.7265	23544.322	4246.3577	23559.171	4244.8834	23559.171	4244.8834
23535.607	4247.6854	23544.448	4246.3408	23559.441	4244.8665	23559.441	4244.8665
23535.862	4247.6394	23544.574	4246.3239	23559.711	4244.8496	23559.711	4244.8496
23536.332	4247.5545	23544.700	4246.3070	23560.001	4244.8327	23560.001	4244.8327
23536.796	4247.4708	23544.826	4246.2901	23560.271	4244.8158	23560.271	4244.8158
23536.958	4247.4416	23544.952	4246.2732	23560.541	4244.7989	23560.541	4244.7989
23537.098	4247.4163	23545.078	4246.2563	23560.811	4244.7820	23560.811	4244.7820
23537.268	4247.3857	23545.204	4246.2394	23561.081	4244.7651	23561.081	4244.7651
23537.411	4247.3599	23545.330	4246.2225	23561.351	4244.7482	23561.351	4244.7482
23537.647	4247.3172	23545.456	4246.2056	23561.621	4244.7313	23561.621	4244.7313
23538.030	4247.2482	23545.615	4246.1887	23561.891	4244.7144	23561.891	4244.7144



I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION	
SIGMA	WL	SIGMA	WL	SIGMA	WL
23594.039	4237.1655	23608.416	4234.5852	23619.305	4232.6330
23594.517	4237.0798	23608.608	4234.5507	23619.495	4232.5989
23594.576	4237.0698	23608.722	4234.5300	23619.580	4232.5836
23594.650	4237.0558	23608.913	4234.4940	23619.678	4232.5124
23594.819	4237.0255	23609.121	4234.4597	23620.313	4232.4523
23595.256	4236.9470	23609.226	4234.4400	23620.490	4232.4224
23595.656	4236.9045	23609.354	4234.4218	23620.571	4232.4060
23595.793	4236.8859	23609.476	4234.3946	23620.722	4232.3789
23596.163	4236.8559	23609.596	4234.3754	23620.861	4232.3541
23596.251	4236.8400	23609.678	4234.3599	23621.164	4232.2998
23596.415	4236.8390	23609.797	4234.3374	23621.228	4232.2884
23596.734	4236.8117	23609.855	4234.3271	23621.336	4232.2591
23596.821	4236.6660	23610.013	4234.2987	23621.509	4232.2380
23597.425	4236.5576	23610.216	4234.2694	23621.890	4232.1698
23597.637	4236.5195	23610.275	4234.2517	23622.016	4232.1472
23598.016	4236.4514	23610.530	4234.2041	23622.107	4232.1306
23598.129	4236.4312	23610.776	4234.1618	23622.220	4232.1107
23598.207	4236.4172	23610.882	4234.1458	23622.268	4232.0822
23598.293	4236.4018	23611.126	4234.0942	23622.595	4232.0333
23598.328	4236.3257	23611.347	4234.0594	23622.791	4232.0082
23599.092	4236.2547	23611.608	4234.0128	23622.979	4231.9747
23599.422	4236.1990	23612.101	4233.9244	23623.071	4231.9582
23599.971	4236.1092	23612.606	4233.8338	23623.264	4231.9235
23600.078	4236.0778	23612.875	4233.8213	23623.338	4231.9104
23600.333	4236.0355	23612.975	4233.7996	23623.448	4231.8548
23600.543	4235.9906	23613.002	4233.7658	23623.525	4231.8208
23600.674	4235.9744	23613.042	4233.7529	23623.624	4231.8045
23600.816	4235.9488	23613.302	4233.7099	23624.024	4231.7875
23600.917	4235.9307	23613.447	4233.6849	23624.111	4231.7718
23601.045	4235.9078	23613.683	4233.6379	23624.270	4231.7523
23601.102	4235.8975	23613.827	4233.6147	23624.371	4231.7363
23601.215	4235.8712	23613.983	4233.5868	23624.458	4231.7099
23601.683	4235.7933	23614.225	4233.5434	23624.588	4231.6885
23601.793	4235.7734	23614.402	4233.5117	23624.662	4231.6373
23602.236	4235.6940	23614.494	4233.4952	23624.663	4231.6191
23602.679	4235.6144	23614.677	4233.4625	23625.057	4231.6023
23602.840	4235.5856	23614.891	4233.4259	23625.148	4231.5862
23602.915	4235.5721	23614.959	4233.4120	23625.293	4231.5601
23603.145	4235.5308	23615.493	4233.3161	23625.379	4231.5447
23603.427	4235.4802	23615.688	4233.2812	23625.465	4231.4906
23603.470	4235.4736	23615.823	4233.2570	23625.564	4231.4399
23603.691	4235.4329	23615.942	4233.2367	23625.664	4231.4268
23603.760	4235.4205	23616.164	4233.1958	23625.805	4231.4102
23603.890	4235.3911	23616.488	4233.1708	23625.944	4231.3500
23603.950	4235.3864	23616.516	4233.1328	23626.037	4231.3268
2364.477	4235.2667	23616.685	4233.1024	23626.191	4231.3048
23605.517	4235.2667	23616.798	4233.0822	23626.438	4231.3548
23605.395	4235.1271	23616.894	4233.0650	23626.498	4231.3443
23605.442	4235.1187	23616.997	4233.0466	23626.561	4231.3330
23605.808	4235.0530	23617.507	4232.9552	23626.644	4231.3181
23606.066	4235.0067	23617.727	4232.9158	23626.777	4231.2942
23606.161	4234.9897	23617.968	4232.8755	23627.127	4231.2316
23606.311	4234.9627	23618.101	4232.8487	23627.345	4231.2105
23607.490	4234.7513	23618.333	4232.8071	23627.553	4231.1912
23607.629	4234.7264	23618.415	4232.7944	23627.667	4231.1719
23607.753	4234.7041	23618.619	4232.7648	23627.805	4231.1102
23607.847	4234.6873	23618.823	4232.7192	23627.885	4231.1002
23608.003	4234.6593	23618.923	4232.7065	23628.026	4231.0403
23608.104	4234.6365	23618.950	4232.6965	23628.182	4231.0349
23608.277	4234.6102	23619.024	4232.6833	23628.268	4230.9353
		23619.024	4232.6833	23628.426	4230.9274
				23628.626	4230.9180



SIGMA	WL	I P S CLASSIFICATION ION	SIGMA	WL	I P S CLASSIFICATION ION	SIGMA	WL	I P S CLASSIFICATION ION
23629.054	4230.8866	7880	23641.515	4228.4545	9958	23654.409	4226.3514	17240
23629.429	4230.8372	7208	23641.583	4228.4444	2540	23654.477	4226.2590	1340
23629.394	4230.8257	1160	23642.213	4228.5416	9180	23655.183	4226.2171	11880
23629.633	4230.7829	11780	23642.510	4228.4896	9580	23655.328	4226.1622	11880
23629.705	4230.7101	10280	23642.792	4228.4291	32240	23655.428	4226.1694	21740
23629.777	4230.7571	11480	23642.922	4228.3941	18480	23655.703	4226.1802	7680
23629.873	4230.7400	21240	23643.077	4228.3736	20640	23655.914	4226.0816	20340
23630.172	4230.6865	7580	23643.317	4228.3342	11680	23656.059	4226.0566	25840
23630.334	4230.6567	13180	23643.317	4228.3342	11680	23656.210	4226.0297	11680
23630.395	4230.6465	13780	23643.608	4228.2821	12680	23656.891	4225.9079	13080
23630.906	4230.5549	9180	23644.038	4228.2053	10680	23657.367	4225.8230	14440
23631.134	4230.5142	26240	23644.383	4228.1435	9280	23657.432	4225.8113	12280
23631.425	4230.4620	9980	23644.496	4228.1234	16440	23657.770	4225.7510	20540
23631.545	4230.4406	10680	23644.813	4228.0647	10280	23657.932	4225.7420	7380
23631.611	4230.4288	8680	23644.952	4228.0419	10880	23658.243	4225.6487	14380
23631.721	4230.3727	9080	23645.007	4228.0319	9480	23658.512	4225.6184	10740
23632.254	4230.3134	24440	23645.950	4227.8814	12440	23658.611	4225.5007	18240
23632.444	4230.2492	7580	23645.330	4227.7866	15880	23658.794	4225.5581	19480
23632.974	4230.2280	11480	23647.228	4227.6344	8780	23659.021	4225.5275	12780
23632.927	4230.1861	9380	23647.314	4227.6195	8480	23659.272	4225.4927	8280
23633.195	4230.1452	9180	23647.422	4227.6001	15340	23659.505	4225.4410	25140
23633.486	4230.0931	13540	23647.623	4227.5642	7480	23659.687	4225.4087	11480
23633.545	4230.0790	8180	23647.623	4227.5642	7480	23659.920	4225.3670	27940
23633.870	4230.0316	11740	23648.294	4227.4442	9580	23660.180	4225.3206	24840
23633.899	4230.0191	13780	23648.366	4227.4314	10480	23660.418	4225.2780	12180
23634.173	4229.9702	9280	23648.625	4227.3951	14380	23660.510	4225.2616	9980
23634.393	4229.9326	27540	23648.734	4227.3856	13180	23660.734	4225.2215	10580
23634.608	4229.8922	7880	23648.963	4227.3847	28840	23661.058	4225.1727	25440
23634.722	4229.8718	10080	23649.150	4227.2813	10680	23661.156	4225.1464	5680
23634.911	4229.8381	10080	23649.352	4227.2744	13780	23661.287	4225.1229	8080
23635.017	4229.8191	21340	23649.352	4227.2744	13780	23661.398	4225.1031	17840
23635.374	4229.7783	10880	23649.533	4227.2824	12380	23661.800	4225.0312	12780
23635.677	4229.7283	10880	23649.750	4227.1940	29540	23661.918	4225.0102	17780
23635.802	4229.6787	14340	23649.958	4227.1468	12980	23662.349	4224.9333	15540
23636.050	4229.6342	16340	23650.032	4227.1300	13980	23662.409	4224.9225	12380
23636.352	4229.5801	9080	23650.170	4227.1090	6680	23662.482	4224.9094	12880
23636.445	4229.5599	10180	23650.334	4227.0797	9480	23662.822	4224.8487	13680
23636.854	4229.4903	11780	23650.435	4227.0516	10480	23663.156	4224.7892	8380
23637.244	4229.4206	18440	23650.582	4227.0406	14580	23663.391	4224.7472	10980
23637.411	4229.3907	7880	23650.610	4227.0323	10480	23663.971	4224.6437	8780
23637.502	4229.3743	8580	23650.933	4227.0224	12880	23664.610	4224.5395	8980
23637.854	4229.3114	10980	23651.510	4226.8695	10680	23665.000	4224.4889	10980
23638.087	4229.2608	21940	23651.791	4226.8192	15440	23665.239	4224.4473	29140
23638.237	4229.2429	14440	23652.004	4226.7811	7280	23665.543	4224.3900	28840
23638.514	4229.1910	12880	23652.085	4226.7668	7580	23665.730	4224.3295	10580
23638.643	4229.1719	9380	23652.154	4226.7544	7980	23666.003	4224.2809	17980
23638.823	4229.1381	11080	23652.302	4226.7173	8780	23666.144	4224.2557	13490
23639.202	4229.0783	9780	23652.440	4226.7015	10780	23666.217	4224.2427	17440
23639.269	4229.0594	11480	23652.645	4226.6666	9280	23666.509	4224.1706	11880
23639.319	4229.0494	11480	23652.727	4226.6519	9180	23666.687	4224.1588	8880
23639.593	4229.0003	9880	23652.817	4226.6369	10380	23666.797	4224.1391	9280
23639.664	4229.9877	9880	23653.036	4226.5968	20740	23666.936	4224.1143	10980
23640.401	4229.8558	8780	23653.238	4226.5824	15880	23667.071	4224.0923	12540
23640.501	4229.8380	11380	23653.353	4226.5833	23840	23667.224	4224.0729	13080
23640.742	4229.7948	18880	23653.650	4226.4923	10480	23667.400	4224.0515	10680
23640.947	4229.7563	29840	23653.746	4226.4699	15940	23667.486	4224.0302	13680
23641.133	4229.7248	16480	23654.034	4226.4185	12580	23667.660	4224.0051	23640
23641.249	4229.7040	9180	23654.160	4226.3950	12080	23667.775	4223.9846	10780
23641.330	4229.6946	9380						
23641.400	4229.6771	11280						

SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
23668.235	4223.8826	85R0		23677.995	4222.1414	213A0		23691.179	4219.7917	1*180	
23668.312	4223.8687	102R0		23678.180	4222.1084	6A80		23691.415	4219.7497	245A0	29682 4 5991 4 1
23668.748	4223.7945	143A0	3099A 6 7326 7 1	23678.277	4222.0912	101R0		23691.617	4219.7138	267A0	25986 6 2294 5 2
23668.923	4223.7596	104R0	35612 4 11943 3 1	23678.352	4222.0778	104B0		23691.959	4219.6529	138R0	
23668.973	4223.7508	107R0		23678.434	4222.0632	164B0		23692.056	4219.6356	130R0	
23669.163	4223.7168	135R0		23678.502	4222.0511	123B0		23692.171	4219.6150	108R0	
23669.285	4223.6950	137R0		23678.661	4222.0226	218A0		23692.362	4219.5811	82R0	
23669.523	4223.6526	270A0	1	23678.854	4221.9883	129A0		23692.412	4219.5731	75R0	
23669.798	4223.6225	140C8		23679.118	4221.9412	130R0		23692.669	4219.5259	117R0	
23670.013	4223.6143	150A0		23679.201	4221.9265	100R0		23692.850	4219.5094	274A0	30889 3 7166 4 2
23670.329	4223.5988	107B0		23679.451	4221.8810	102B0		23693.071	4219.4548	180R0	
23670.489	4223.5803	105B0		23679.515	4221.8526	198C8		23693.173	4219.4387	70R0	
23670.631	4223.5546	107B0		23679.729	4221.8322	244A0	27548 4 3868 3 1	23693.404	4219.3955	236A0	24638 5 914 4 2
23670.861	4223.5303	210A0		23679.832	4221.8138	287A0	31798 7 8118 7 11	23693.724	4219.3385	100R0	
23671.067	4223.5171	73R0		23679.948	4221.7931	234A0	29206 5 5526 6 2	23693.952	4219.2978	125R0	
23671.202	4223.5030	138R0	31804 5 8133 4 1	23680.103	4221.7655	177A0		23694.088	4219.2736	66R0	
23671.267	4223.4814	94R0		23680.338	4221.7237	164B0		23694.148	4219.2629	76R0	
23671.377	4223.4619	100R0		23681.134	4221.6818	112B0		23694.265	4219.2422	92R0	
23671.469	4223.3055	159R0	35128 7 11457 6 1	23681.224	4221.6547	99B0		23694.398	4219.2185	75R0	
23671.548	4223.2913	176A0		23681.303	4221.6516	111B0		23694.665	4219.1708	294A0	34042 8 10347 8 1
23671.763	4223.2495	69R0		23681.530	4221.6111	107B0		23694.857	4219.1367	72R0	
23671.949	4223.2197	113R0		23681.694	4221.6116	128B0		23694.956	4219.1190	68R0	
23672.054	4223.2010	156R0		23681.894	4221.6460	168B0	34238 4 10557 4 1	23694.962	4219.1102	176A0	
23672.274	4223.1582	114B0		23682.109	4221.6090	167B0	30687 6 1005 6 11	23695.813	4219.0922	164A0	
23672.373	4223.1441	131B0		23682.684	4221.6037	214A0	29674 5 5991 4 11	23696.076	4219.9197	88R0	
23672.541	4223.1142	114R0		23682.865	4221.6232	99B0		23696.304	4219.8792	231A0	
23672.659	4223.0731	117R0		23683.040	4221.6420	178B0		23696.435	4219.8558	170A0	
23672.874	4223.0634	74C8		23683.590	4221.1440	96B0		23696.600	4219.8263	69R0	
23672.873	4223.0549	91R0		23683.794	4221.1077	186A0		23696.685	4219.8112	131R0	
23673.074	4223.0192	80R0		23683.969	4221.0765	77B0		23697.146	4219.7292	174B0	27972 5 4275 6 1
23673.201	4222.9965	103R0		23684.148	4221.0445	171A0		23697.456	4219.6741	93R0	
23673.507	4222.9418	204A0		23684.221	4221.0314	178C8		23697.510	4219.6643	78C8	
23673.684	4222.9103	162A0		23684.466	4220.9878	97R0		23697.828	4219.6077	128R0	29459 4 5762 5 1
23673.942	4222.8642	121R0		23684.844	4220.9202	194A0		23698.350	4219.5095	131R0	
23674.056	4222.8439	193A0	29665 4 5991 4 1	23685.115	4220.8721	81C8		23698.469	4219.4937	146B0	89151 3 4483 4 1
23674.158	4222.8257	92B0		23685.230	4220.8516	117B0		23698.677	4219.4566	280A0	31024 7 7328 7 1
23674.273	4222.8053	92B0		23686.105	4220.8250	204A0	29476 6 5790 5 2	23698.677	4219.4566	280A0	31024 7 7328 7 1
23674.459	4222.7720	116R0		23686.378	4220.8471	131A0		23698.882	4219.4201	165R0	
23674.690	4222.7309	295A0	27475 7 3800 7 11	23686.686	4220.8976	121B0		23699.110	4219.3795	128R0	
23675.015	4222.6729	121R0		23686.750	4220.8809	99B0		23699.163	4219.3701	148A0	
23675.122	4222.6538	115R0		23686.977	4220.8404	102B0		23699.348	4219.3372	133A0	
23675.396	4222.6049	142R0		23687.535	4220.8409	038B0		23699.465	4219.3163	178A0	
23675.530	4222.5809	108R0		23687.606	4220.8284	80B0		23699.672	4219.2795	96B0	
23675.851	4222.5238	84R0		23687.923	4220.8718	89B0		23700.150	4219.1944	166A0	
23675.943	4222.5073	79B0		23688.052	4220.8435	149A0		23700.379	4219.1539	97C8	
23676.053	4222.4859	115R0		23688.614	4220.8487	84B0		23700.455	4219.1401	192A0	32211 6 8910 5 2
23676.151	4222.4703	140R0		23688.832	4220.8116	93B0		23700.576	4219.1187	95C8	
23676.268	4222.4495	116R0		23688.889	4220.8197	102B0		23700.712	4219.0944	218A0	
23676.338	4222.4370	146R0	28129 4 4453 4 1	23689.175	4220.8480	101B0		23700.912	4219.0589	52A0	
23676.495	4222.4088	248R0		23689.382	4220.8119	252A0	32211 6 8921 7 2	23701.002	4219.0428	85B0	
23676.723	4222.3682	338A0	27477 8 3800 7 11	23689.610	4220.0713	154A0		23701.561	4219.9433	114B0	
23676.901	4222.3364	217B0		23689.755	4220.0455	139B0		23701.757	4219.9085	91C8	
23677.010	4222.3171	187B0		23689.852	4220.0281	121B0		23701.851	4219.8717	91B0	
23677.101	4222.3008	163B0		23689.929	4220.0043	172B0		23702.036	4219.8588	95C0	
23677.204	4222.2825	118C8		23689.986	4220.0044	172B0		23702.036	4219.8588	95C0	
23677.332	4222.2596	107B0		23690.215	4219.9634	318A0	27965 7 4275 6 1	23702.301	4219.7954	265R0	
23677.464	4222.2366	182B0		23690.537	4219.9318	143B0		23702.610	4219.7547	384A0	24322 6 620 5 1
23677.620	4222.2084	162A0		23690.567	4219.9114	168B0		23702.732	4219.7242	184B0	
23677.850	4222.1673	89C8		23690.596	4219.8953	106C8		23702.902	4219.7047	149B0	

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
23702.996	4217.6880	12480	23717.221	4215.1582	15080	23730.423	4212.8133	11880
23703.087	4217.6719	10280	23717.510	4215.1246	10780	23730.675	4212.7685	12780
23703.210	4217.6499	10780	23717.511	4215.1047	11880	23730.794	4212.7473	15340
23703.344	4217.6280	12080	23717.877	4215.0417	7480	23730.982	4212.7140	9580
23703.718	4217.5595	7280	23718.005	4215.0189	11580	23731.075	4212.6974	16340
23703.903	4217.5265	15980	23718.105	4215.0011	23240	23731.520	4212.6185	7981
23704.172	4217.4787	18540	23718.297	4214.9671	9180	23731.710	4212.5847	8480
23704.364	4217.4445	16640	23718.448	4214.9403	3180	23732.150	4212.5066	7880
23704.474	4217.4250	9180	23718.712	4214.8933	7980	23732.292	4212.4815	16580
23704.873	4217.3540	7880	23718.807	4214.8764	17440	23732.373	4212.4670	21540
23705.167	4217.3016	7880	23718.918	4214.8565	10280	23732.576	4212.4309	3180
23705.819	4217.1957	8680	23719.173	4214.8114	10780	23733.165	4212.3265	15680
23706.000	4217.1535	10280	23719.299	4214.7889	18940	23733.347	4212.2942	14580
23706.193	4217.1192	14740	23720.078	4214.6506	19340	23733.593	4212.2505	27140
23706.493	4217.0453	14240	23720.985	4214.6315	1480	23733.804	4212.2130	10480
23706.998	4216.9882	11280	23720.977	4214.6062	9580	23733.887	4212.1984	8580
23707.157	4216.9449	14840	23720.439	4214.5684	12980	23734.125	4212.1541	19440
23707.285	4216.9149	6580	23720.868	4214.5428	10080	23734.365	4212.1134	15380
23707.489	4216.8886	12280	23721.200	4214.5121	12680	23734.561	4212.0788	18340
23707.967	4216.8036	19940	23721.426	4214.4111	27640	23734.704	4212.0534	14180
23708.643	4216.6833	9280	23721.599	4214.3803	13480	23734.830	4212.0310	7380
23708.830	4216.6501	11380	23721.717	4214.3593	10080	23735.157	4211.9729	8380
23708.976	4216.6242	19280	23721.860	4214.3339	9480	23735.513	4211.9098	9280
23709.051	4216.6107	26740	23722.113	4214.2889	24780	23735.567	4211.9001	9580
23709.281	4216.5700	20040	23722.171	4214.2752	27040	23735.840	4211.8518	9840
23709.365	4216.5550	13180	23722.372	4214.2430	9880	23736.106	4211.8046	7680
23709.446	4216.5405	9880	23722.539	4214.2133	14880	23736.258	4211.7774	9380
23709.641	4216.5058	11980	23722.936	4214.1427	14240	23736.475	4211.7391	13480
23709.843	4216.4699	11280	23722.984	4214.1343	13580	23736.697	4211.6906	15380
23709.919	4216.4545	12080	23723.109	4214.1121	10480	23736.927	4211.6509	20540
23710.377	4216.3749	12180	23723.504	4214.0418	7880	23737.060	4211.6353	20580
23710.473	4216.3580	9480	23723.700	4214.0071	8480	23737.288	4211.5949	32640
23710.530	4216.3478	9480	23723.837	4213.9827	11380	23737.467	4211.5630	16880
23710.712	4216.3154	8780	23724.013	4213.9515	17980	23737.589	4211.5414	16180
23710.930	4216.2767	24140	23724.268	4213.9062	14280	23737.691	4211.5232	23540
23711.226	4216.2241	8580	23724.499	4213.8651	30340	23737.964	4211.4749	9480
23711.852	4216.1656	14980	23724.687	4213.8317	13380	23738.118	4211.4476	11280
23712.395	4216.0162	16440	23724.783	4213.8147	10380	23738.370	4211.3993	15240
23712.565	4215.9859	26640	23724.919	4213.7906	9480	23738.777	4211.3413	11780
23712.754	4215.9523	12680	23725.152	4213.7491	9080	23738.946	4211.3006	24740
23712.889	4215.9283	6380	23725.368	4213.7109	19440	23739.124	4211.2600	8080
23713.032	4215.9029	13580	23725.534	4213.6812	14840	23739.124	4211.2600	8080
23713.127	4215.8861	26640	23725.745	4213.6439	8980	23739.341	4211.2306	6480
23713.301	4215.8551	15780	23725.844	4213.6263	9080	23739.440	4211.2129	13280
23713.633	4215.7961	8280	23725.974	4213.6032	17340	23739.568	4211.1902	16640
23713.801	4215.7662	9480	23726.681	4213.4775	11380	23740.624	4211.0030	11880
23714.728	4215.6014	24440	23726.816	4213.4536	9080	23740.890	4210.9558	15380
23715.060	4215.5424	12380	23727.217	4213.3824	11280	23741.031	4210.9307	8080
23715.199	4215.5177	17880	23727.735	4213.2904	6480	23741.108	4210.9170	8080
23715.268	4215.5018	26640	23727.837	4213.2741	9180	23741.344	4210.8752	23540
23715.471	4215.4693	9380	23728.119	4213.2522	8481	23741.497	4210.8481	18640
23715.816	4215.4080	12180	23728.297	4213.1906	6180	23741.597	4210.8305	13980
23715.937	4215.3865	16080	23728.366	4213.1748	10780	23741.838	4210.7876	17080
23716.024	4215.3710	9880	23728.635	4213.1306	8280	23742.003	4210.7442	6280
23716.255	4215.2661	10680	23728.858	4213.0837	14880	23742.281	4210.7233	8280
23716.589	4215.2884	26540	23729.012	4213.0530	12680	23742.365	4210.6942	13480
23716.673	4215.2556	10080	23729.342	4213.0052	9480	23742.694	4210.6357	11780
23716.828	4215.2580	9080	23729.500	4212.9771	23140	23742.852	4210.6078	10780
23717.119	4215.1763	17440	23729.946	4212.8978	8280	23743.072	4210.5688	27940
23717.119	4215.1763	17440	23730.181	4212.8668	10280	23743.250	4210.5372	12080

34293 4 10557 4 1  
4585 6 2  
29322 5  
29986 6 6249 6 1  
28159 6 4420 5 2  
28194 4 4453 4 1  
7005 6 1  
36747 7



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23780.740	4203.8943	11640	23792.456	4201.6201	9649	23804.404	4199.7201	12540
23781.070	4203.8408	8740	23792.628	4201.7998	13480	23804.545	4199.952	13340
23781.131	4203.8301	8640	23792.717	4201.7829	15240	23804.648	4199.6770	17400
23781.484	4203.7677	7780	23792.971	4201.7361	11540	23804.715	4199.6651	13408
23781.587	4203.7495	12340	23793.287	4201.6824	15040	23804.941	4199.6253	31440
23781.708	4203.7292	11840	23793.464	4201.6510	13840	23805.098	4199.5974	14240
23782.213	4203.6741	7980	23793.586	4201.6395	13440	23805.224	4199.5754	9180
23782.257	4203.6311	23440	23793.755	4201.6597	10680	23805.308	4199.5606	9240
23782.556	4203.5742	11480	23793.873	4201.5768	18940	23805.550	4199.5161	11440
23782.652	4203.5613	16240	23794.114	4201.5364	9440	23805.707	4199.4901	9640
23782.657	4203.5251	7840	23794.336	4201.4972	7840	23805.826	4199.4692	8008
23783.057	4203.4896	8780	23794.611	4201.4485	14240	23805.879	4199.4599	8880
23783.144	4203.4743	10440	23794.681	4201.4362	11680	23807.163	4199.2333	16140
23783.272	4203.4517	11240	23794.863	4201.4041	29440	23807.245	4199.2188	12240
23783.397	4203.4297	11740	23795.050	4201.3711	11080	23807.621	4199.1526	8180
23783.489	4203.4133	10440	23795.144	4201.3545	17240	23807.764	4199.1274	15940
23783.571	4203.3811	11140	23795.255	4201.3347	12140	23807.924	4199.0991	11240
23783.717	4203.3730	11080	23795.391	4201.3108	11780	23808.150	4199.0592	18140
23783.810	4203.3566	7980	23795.540	4201.2869	16240	23808.178	4199.0191	12940
23783.904	4203.3400	10540	23795.696	4201.2216	19240	23808.514	4198.9951	11140
23784.064	4203.3117	7140	23796.037	4201.1547	13440	23808.747	4198.9539	22440
23784.134	4203.2963	6580	23796.198	4201.1683	19440	23808.950	4198.9181	8880
23784.244	4203.2792	8640	23796.437	4201.1282	32440	23809.039	4198.9025	9340
23784.540	4203.2508	10240	23796.613	4201.0951	15240	23809.269	4198.8619	9140
23785.056	4203.1364	6608	23796.723	4201.0757	13840	23809.584	4198.8064	9910
23785.324	4203.0883	21940	23796.818	4201.0588	11640	23809.817	4198.7653	7008
23785.481	4203.0613	11740	23796.933	4201.0281	11840	23809.944	4198.7429	10040
23786.193	4202.9354	9140	23797.295	4200.9746	16840	23810.073	4198.7202	11740
23786.357	4202.9065	12440	23797.416	4200.9533	13040	23810.163	4198.7043	8980
23786.640	4202.8566	6380	23797.592	4200.9252	20640	23810.395	4198.6633	15240
23786.711	4202.8440	8840	23797.774	4200.8990	6780	23810.467	4198.6506	11940
23786.823	4202.8241	12440	23798.126	4200.8290	8840	23810.962	4198.5633	8640
23786.994	4202.7935	12140	23798.367	4200.8170	9440	23811.101	4198.5388	12508
23767.107	4202.7740	15040	23798.714	4200.7253	16140	23811.196	4198.5230	24540
23767.234	4202.7515	9440	23798.914	4200.6940	15440	23811.325	4198.4869	13140
23767.530	4202.7169	12508	23799.035	4200.6678	15840	23811.480	4198.4721	7480
23767.507	4202.7033	16640	23799.225	4200.6340	8740	23811.585	4198.4535	7540
23767.649	4202.6748	26440	23799.408	4200.6017	10640	23811.682	4198.4364	7540
23767.792	4202.6530	15940	23799.491	4200.5871	10440	23811.819	4198.4123	9740
23767.934	4202.6271	15240	23799.639	4200.5610	15140	23811.937	4198.3915	7580
23768.168	4202.5865	8340	23799.907	4200.5136	18940	23812.200	4198.3451	15640
23768.731	4202.4871	16240	23800.063	4200.4461	21540	23812.280	4198.3309	12940
23768.945	4202.4473	9480	23801.113	4200.3007	8280	23812.349	4198.3188	12740
23769.110	4202.4202	12408	23801.297	4200.2683	17640	23812.660	4198.2992	10290
23769.172	4202.4091	14640	23801.474	4200.2371	13640	23812.841	4198.2646	10240
23769.344	4202.3787	16140	23801.612	4200.2127	7440	23812.992	4198.2584	23740
23769.403	4202.3603	14440	23801.719	4200.1536	11340	23813.932	4198.2188	36340
23769.526	4202.3366	9280	23802.096	4200.1273	11960	23813.111	4198.1845	20340
23769.759	4202.3034	22840	23802.329	4200.0862	29440	23813.220	4198.1652	16340
23790.091	4202.2468	23840	23802.509	4200.0564	9440	23813.319	4198.1478	14740
23790.554	4202.1843	11840	23802.669	4200.0262	12440	23813.571	4198.1033	12940
23790.644	4202.1491	19440	23802.866	4199.9914	25440	23813.656	4198.0864	10008
23791.144	4202.0605	8140	23802.957	4199.9754	16440	23813.758	4198.0704	8940
23791.270	4202.0385	9740	23803.040	4199.9607	10508	23814.086	4198.0125	7508
23791.364	4202.0219	6280	23803.254	4199.9230	19240	23814.187	4197.9947	13940
23791.561	4201.9871	11740	23803.507	4199.8783	4240	23814.338	4197.9681	7180
23791.630	4201.9750	13440	23803.794	4199.8237	10440	23814.491	4197.9411	7108
23791.967	4201.9154	6940	23803.919	4199.8057	13140	23814.580	4197.9245	7480
23792.035	4201.9435	7508	23804.052	4199.7682	8840	23814.716	4197.9016	7280
23792.229	4201.8692	10740	23804.154	4199.7682	5808	23814.877	4197.8730	14240

I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION	
SIGMA	WL	SIGMA	WL	SIGMA	WL
23815.967	4197.8573 209A0	23825.427	4196.0143 104A0	23837.300	4193.9138 121A0
23815.041	4197.8442 164A0	23825.518	4195.9942 165A0	23837.476	4193.8933 64C8
23815.140	4197.8268 114A0	23825.956	4195.9211 179A0	23837.712	4193.8518 174A0
23815.283	4197.8015 148A0	23826.136	4195.8491 154B0	23837.864	4193.8250 124B0
23815.434	4197.7750 70R0	23826.507	4195.8241 94B0	23837.913	4193.8163 115B0
23815.605	4197.7448 95A0	23826.668	4195.7992 185A0	23838.159	4193.7731 106A0
23815.897	4197.6938 98A0	23826.777	4195.7745 114A0	23838.287	4193.7541 117A0
23816.075	4197.6619 87A0	23826.927	4195.7501 134A0	23838.603	4193.6950 111A0
23816.272	4197.6273 71R0	23826.994	4195.7342 132A0	23838.886	4193.6451 59A0
23816.466	4197.5940 129A0	23827.216	4195.6993 106A0	23839.013	4193.6229 131R0
23816.720	4197.5462 124A0	23827.346	4195.6763 92A0	23839.113	4193.6053 256A0
23816.957	4197.5064 307A0	23827.487	4195.6516 125A0	23839.221	4193.5862 143A0
23817.127	4197.4766 107A0	23827.613	4195.6292 167C8	23839.482	4193.5403 62B0
23817.252	4197.4544 135A0	23827.708	4195.6126 248A0	23839.866	4193.4728 118A0
23817.507	4197.4096 310A0	23827.999	4195.5614 82B0	23839.926	4193.4622 119A0
23817.571	4197.4036 107A0	23828.234	4195.5199 70R0A	23840.263	4193.4031 165A0
23817.793	4197.3591 101A0	23828.665	4195.4440 60R0	23840.643	4193.3713 118A0
23817.975	4197.3447 110R0	23829.063	4195.3740 201A0	23840.631	4193.3382 142B0
23817.961	4197.3295 138A0	23829.227	4195.3451 92A0	23840.685	4193.3287 155A0
23818.094	4197.3058 124A0	23829.393	4195.3177 87A0	23840.950	4193.2803 80A0
23818.214	4197.2849 108A0	23829.546	4195.2890 124A0	23841.037	4193.2669 104A0
23818.357	4197.2590 97A0	23829.692	4195.2650 133A0	23841.099	4193.2560 110A0
23818.539	4197.2277 138A0	23829.835	4195.2381 136A0	23841.160	4193.2451 105B0
23818.899	4197.1765 246A0	23829.928	4195.2217 144A0	23841.337	4193.2140 64C8
23819.001	4197.1463 230A0	23830.163	4195.1803 294A0	23841.480	4193.1890 34C8
23819.141	4197.1211 125A0	23830.346	4195.1441 94A0	23841.563	4193.1743 144A0
23819.262	4197.1004 134A0	23830.506	4195.1199 115A0	23841.979	4193.1011 151A0
23819.334	4197.0876 147A0	23830.697	4195.0843 81A0	23842.069	4193.0854 143A0
23820.272	4196.9224 124A0	23830.904	4195.0450 119A0	23842.136	4193.0735 137A0
23820.326	4196.9128 104C8	23830.989	4195.0319 161A0	23842.309	4193.0431 132A0
23820.381	4196.9031 100A0	23831.052	4195.0234 148A0	23842.522	4193.0057 115A0
23820.540	4196.8575 103C8	23831.254	4194.9879 148B0	23842.768	4192.9730 88B0
23820.712	4196.8447 148A0	23831.457	4194.9524 158A0	23842.965	4192.9278 251A0
23821.014	4196.7808 72R0	23831.896	4194.8753 74B0	23843.136	4192.8677 300A0
23821.218	4196.7556 177A0	23832.319	4194.8007 121A0	23843.312	4192.8668 92A0
23821.304	4196.7406 126A0	23832.377	4194.7906 111A0	23843.423	4192.8472 74A0
23821.444	4196.7158 161C8	23832.840	4194.7091 87B0	23843.561	4192.8229 86A0
23821.538	4196.6993 293A0	23833.089	4194.6652 174A0	23843.708	4192.7970 91A0
23821.620	4196.6848 185B0	23833.175	4194.6501 104C8	23843.839	4192.6686 100B0
23821.792	4196.6546 291A0	23833.338	4194.6214 94A0	23845.048	4192.5616 85A0
23821.970	4196.6233 66C8	23833.607	4194.5742 210A0	23845.138	4192.5457 107A0
23822.089	4196.6022 85R0	23833.893	4194.5344 137A0	23845.212	4192.5326 103C8
23822.420	4196.5439 95B0	23834.134	4194.4813 99A0	23845.291	4192.5188 118A0
23822.551	4196.5208 164A0	23834.282	4194.4554 100A0	23845.576	4192.4687 103A0
23822.668	4196.4966 152A0	23834.567	4194.4008 204A0	23845.685	4192.4495 96B0
23822.789	4196.4789 145A0	23834.805	4194.3632 169A0	23845.813	4192.4270 136A0
23822.996	4196.4425 124A0	23835.025	4194.3245 149A0	23845.894	4192.4128 107A0
23823.240	4196.3975 314A0	23835.157	4194.3014 96B0	23845.914	4192.3741 90A0
23823.424	4196.3671 121A0	23835.620	4194.2199 126A0	23846.276	4192.3455 102C8
23823.539	4196.3467 177A0	23835.735	4194.1996 112A0	23846.379	4192.3274 179A0
23823.593	4196.3374 192A0	23835.917	4194.1676 124A0	23846.485	4192.3088 153A0
23823.778	4196.3047 91A0	23836.130	4194.1301 178A0	23846.604	4192.2880 102A0
23824.000	4196.2655 155A0	23836.292	4194.1057 172A0	23846.995	4192.2192 96C8
23824.220	4196.2268 129A0	23836.332	4194.0946 164A0	23847.045	4192.2104 116A0
23824.452	4196.1860 120A0	23836.585	4194.0550 85A0	23847.144	4192.1894 100A0
23824.708	4196.1410 50A0	23836.674	4194.0343 82B0	23847.421	4192.1442 257A0
23824.824	4196.1204 65R0	23836.781	4194.0208 105A0	23847.621	4192.1091 111A0
23824.946	4196.0990 70A0	23836.862	4194.0118 102A0	23847.718	4192.0920 164A0
23825.111	4196.0700 111A0	23837.129	4193.9545 125A0	23848.045	4192.0346 143A0

SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I S5 CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
23844.104	4192.0137	103A0		23859.237	4190.0681	99A0		23870.836	4189.0322	126B0	
23848.382	4191.9753	197A0		23859.523	4190.0179	57C8		23870.923	4188.0168	152A0	
23848.622	4191.9332	347A0	23848 7	23859.682	4189.9899	84B0		23871.141	4187.9786	169A0	
23848.798	4191.9023	171A0		23859.929	4189.9466	251A0		23871.329	4187.9456	133A0	
23848.944	4191.8765	177A0		23860.025	4189.9298	172A0		23871.492	4187.9169	135A0	
23849.104	4191.8478	101C8		23860.122	4189.9127	96C8		23871.599	4187.8982	102A0	
23849.265	4191.8201	126A0		23860.228	4189.8941	99A0		23871.648	4187.8896	96C8	
23849.312	4191.8120	120P0		23860.537	4189.8399	79R0		23871.854	4187.8518	224A0	34612 4 10740 5 2
23849.545	4191.7710	253A0		23860.666	4189.8172	89A0		23872.059	4187.8123	107A0	
23849.700	4191.7437	140A0	27650 6 3800 7 1	23861.237	4189.7747	148A0		23872.238	4187.7886	81A0	
23849.817	4191.7231	211A0		23861.547	4189.6625	101A0		23872.455	4187.7481	85A0	
23849.990	4191.6928	163A0		23861.722	4189.6318	101A0		23872.787	4187.6898	116A0	34429 5 10537 4 1
23850.094	4191.6744	122A0		23861.859	4189.6078	139A0	31995 5 8133 4 1	23872.934	4187.6641	164A0	
23850.213	4191.6535	150A0		23862.077	4189.5694	119A0		23873.097	4187.6354	97C8	
23850.351	4191.6293	134A0		23862.139	4189.5585	123A0		23873.194	4187.6185	150A0	
23850.517	4191.6091	97C4		23862.603	4189.4771	153A0		23873.271	4187.6050	121A0	
23850.651	4191.5766	119A0	34407 5 10557 4 1	23863.028	4189.4025	113A0		23873.513	4187.5620	151A0	
23850.786	4191.5528	166A0		23863.178	4189.3762	92A0		23873.655	4187.5376	85A0	
23850.874	4191.4987	98A0		23863.308	4189.3533	103A0		23873.847	4187.5039	85C8	
23851.094	4191.4987	98A0		23863.488	4189.3217	165B0		23874.008	4187.4757	93A0	
23851.197	4191.4806	86B0		23863.519	4189.3162	164B0		23874.090	4187.4613	88A0	
23851.277	4191.4683	74R0		23863.763	4189.2734	333A0	24132 5 289 5 22	23874.415	4187.4043	138A0	
23851.491	4191.4289	92A0		23863.941	4189.2492	152A0		23874.438	4187.3897	96A0	
23851.640	4191.4028	74B0		23864.200	4189.1967	301A0		23874.691	4187.3558	124A0	
23851.162	4191.3111	123A0		23864.372	4189.1665	125B0		23875.076	4187.2984	92A0	
23852.423	4191.2852	142A0		23864.673	4189.1207	293A0		23875.104	4187.2729	74A0	
23852.521	4191.2444	117C8	7326 7 1	23864.813	4189.0891	99A0		23875.252	4187.2575	78A0	
23852.661	4191.2268	216A0	31178 8	23865.004	4189.0555	76C8		23875.398	4187.2319	81B0	
23853.061	4191.1530	143A0		23865.109	4189.0372	121A0		23875.583	4187.1994	80A0	
23853.185	4191.1313	111A0		23865.254	4189.0117	81B0		23875.741	4187.1716	163A0	30979 4 7103 3 1
23853.461	4191.0828	87B0		23865.369	4188.9915	82B0		23875.949	4187.1353	98A0	
23853.652	4191.0492	74B0		23865.453	4188.9768	107A0		23876.151	4187.0998	143A0	30979 4 7103 3 1
23853.889	4191.0075	224A0	31087 4 8133 4 1	23865.594	4188.9643	111A0		23876.366	4187.0620	109A0	34164 6 10208 6 1
23854.025	4190.9836	104A0		23865.684	4188.9358	117A0		23876.452	4187.0471	110A0	
23854.210	4190.9511	147A0		23865.897	4188.9110	123C8		23876.568	4187.0284	89A0	
23854.348	4190.9191	162A0		23866.931	4188.8720	239A0	1	23876.794	4187.0028	189A0	
23854.928	4190.8285	89B0		23866.012	4188.8481	255A0		23876.849	4186.9598	347A0	28182 7 4275 6 11
23855.159	4190.7844	152A0		23866.217	4188.8321	151A0		23876.949	4186.9506	387A0	28182 7 4275 6 11
23855.306	4190.7586	101A0		23866.393	4188.8118	73C8		23877.101	4186.9332	228A0	
23855.448	4190.7336	182A0		23866.509	4188.7738	159A0		23877.229	4186.9107	154A0	
23855.520	4190.7053	95C8		23866.865	4188.7289	82A0		23877.315	4186.8956	135A0	
23855.723	4190.6853	191A0	31974 8 8118 7 1	23866.962	4188.7119	72B0		23877.543	4186.8658	130A0	
23855.839	4190.6650	217A0		23867.079	4188.6913	106A0		23877.714	4186.8257	139A0	
23856.029	4190.6363	77A0		23867.195	4188.6763	87B0	34075 5 10266 4 1	23877.829	4186.8055	220B0	
23856.252	4190.5941	183A0	28441 6 4585 6 2	23867.557	4188.6058	139A0	34075 5 10266 4 1	23877.920	4186.7895	256A1	
23856.807	4190.4950	109A0		23867.804	4188.5632	95B0	38712 9 1484510 1	23878.072	4186.7629	239A0	30323 3 6445 4 2
23856.875	4190.4829	112A0		23867.894	4188.5483	137A0		23878.248	4186.7321	127A0	
23856.966	4190.4635	159A0		23868.187	4188.4951	84A0		23878.345	4186.7151	85B0	
23857.156	4190.4336	82A0		23868.865	4188.3780	100A0		23878.642	4186.6629	160A0	
23857.376	4190.3926	206A0		23869.962	4188.3610	148A0		23878.615	4186.6326	206A0	
23857.660	4190.3450	84A0		23869.083	4188.3432	151A0		23878.198	4186.5870	87B0	
23857.780	4190.3240	114A0		23869.246	4188.3111	62C8		23878.333	4186.5419	62B2	
23857.868	4190.3068	119A0		23869.540	4188.2594	127A0		23878.516	4186.5098	141A0	
23857.913	4190.3003	122A0		23869.793	4188.2151	73B0		23878.757	4186.4675	236A0	
23858.024	4190.2812	106A0		23869.897	4188.1969	133B0		23878.936	4186.4362	93A0	
23858.115	4190.2451	98A0		23870.052	4188.1696	194A0	30875 6 7005 6 1	23879.072	4186.4123	156A0	31744 5 7886 5 1
23858.394	4190.2161	57B0		23870.241	4188.1365	107A0		23880.265	4186.3860	74A0	
23858.776	4190.1491	91A0		23870.415	4188.1059	166A0		23880.376	4186.3677	137A0	
23858.864	4190.1301	146A0		23870.656	4188.0637	327A0	24139 6 289 5 22	23880.414	4186.3524	92A0	







SIGMA	WL	I PS	CLASSIFICATION	ION	SIGMA	WL	I PS	CLASSIFICATION	ION	SIGMA	WL	I PS	CLASSIFICATION	ION
23950.170	4174.1591	15140			23971.380	4170.4657	15240			23971.380	4170.4657	15240		
23950.278	4174.1404	11740			23971.495	4170.4457	9540			23971.495	4170.4457	9540		
23950.377	4174.1231	9340			23971.918	4170.3722	9940			23971.918	4170.3722	9940		
23950.651	4174.0754	104C8			23972.077	4170.3445	10540			23972.077	4170.3445	10540		
23950.750	4174.0581	11240			23972.237	4170.3164	10540			23972.237	4170.3164	10540		
23950.982	4174.0176	17440			23972.562	4170.2601	18940			23972.562	4170.2601	18940		
23951.137	4173.9907	12440			23972.840	4170.2117	24240		34042 8	10069 7 1				
23951.284	4173.9650	86C8			23972.940	4170.1944	14440							
23951.472	4173.9322	86C8			23973.115	4170.1640	16840							
23951.610	4173.9082	11740			23973.208	4170.1478	15240							
23951.743	4173.8851	13840			23973.388	4170.1165	8040							
23951.874	4173.8622	16040			23973.631	4170.0742	21240		32852 3	8678 3 1				
23952.007	4173.8390	13340			23973.935	4170.0212	24740							
23952.286	4173.7904	25740			23974.277	4169.9618	25940		32353 4	8378 4 2				
23952.520	4173.7437	13640			23974.560	4169.9299	114C8							
23952.690	4173.7199	8190			23974.509	4169.9216	12440							
23952.762	4173.7075	11540			23974.704	4169.8876	24840							
23952.869	4173.6888	18340			23974.957	4169.8436	26440							
23953.012	4173.6639	29440			23975.135	4169.8126	9940							
23953.192	4173.6395	9240			23975.268	4169.7926	13540							
23953.323	4173.6096	13240			23975.599	4169.7144	14440							
23953.427	4173.5916	19540			23975.769	4169.6994	11840							
23953.792	4173.5240	11840			23975.963	4169.6686	12340							
23953.896	4173.5049	9840			23976.074	4169.6492	125C8							
23954.074	4173.4789	11440			23976.158	4169.6365	19140		29987 4	5991 4 11				
23954.321	4173.4359	19840			23976.317	4169.6069	11440							
23954.514	4173.4021	10070			23976.586	4169.5603	10240							
23954.602	4173.3869	16340			23976.686	4169.5427	15840							
23954.781	4173.3597	12440			23976.820	4169.5195	26140							
23954.984	4173.3353	191C8			23977.176	4169.4859	120C8							
23954.985	4173.3202	17540			23977.313	4169.4677	28040		27778 7	3800 7 11				
23955.283	4173.2683	12240			23977.558	4169.4260	7490							
23955.624	4173.2087	8840			23977.857	4169.3740	6290							
23955.826	4173.1716	9540			23977.857	4169.3691	7940							
23956.180	4173.1120	13940			23978.046	4169.3063	8540							
23956.316	4173.0882	17440			23978.295	4169.2648	9440							
23956.435	4173.0675	10486			23978.382	4169.2480	8980							
23956.544	4173.0485	18040			23978.467	4169.2331	4140							
23956.769	4173.0093	15240			23978.582	4169.1957	12840							
23956.965	4172.9717	31040		30240 5	23978.692	4169.1593	10740							
23957.179	4172.9379	12740			23979.020	4169.1200	15240		38456 7	11677 7 1				
23957.581	4172.8679	6440			23979.049	4169.1130	15240							
23957.986	4172.7973	10940			23979.536	4169.0473	32340		32028 7	5118 7 11				
23958.141	4172.7704	11740			23979.599	4169.0188	10740							
23958.345	4172.7348	23440			23979.874	4168.9886	17140							
23958.636	4172.6841	11840			23980.120	4168.9577	10940							
23958.793	4172.6549	16140			23980.269	4168.9199	1640							
23958.868	4172.6437	11440			23980.441	4168.8900	9440							
23959.078	4172.6040	12140			23980.559	4168.8695	8840							
23959.315	4172.5660	19140			23980.645	4168.8545	10190							
23959.689	4172.5088	14640			23980.704	4168.8442	11240							
23959.777	4172.4854	9490			23980.801	4168.8274	16340							
23959.846	4172.4734	9540			23980.920	4168.8067	10440							
23960.164	4172.4181	10940			23980.978	4168.7966	9340							
23960.303	4172.3939	5080			23981.164	4168.7642	14840							
23960.370	4172.3822	7540			23981.304	4168.7424	12140							
23960.693	4172.3259	10540			23981.410	4168.6845	11740							
23960.844	4172.2997	10440			23981.922	4168.6324	6440							
23960.955	4172.2802	16340			23982.233	4168.5764	8940							
23961.110	4172.2533	10740												

SIGMA	WL	1 PS CLASSIFICATION ION	SIGMA	WL	1 PS CLASSIFICATION ION	SIGMA	WL	1 PS CLASSIFICATION ION		
23982.729	4188.6921	7490	23991.429	4166.3333	32940	24613.4	620 5 11	24003.154	4164.9450	10240
23982.761	4188.6671	7940	23991.527	4166.3987	8780			24003.457	4164.8725	11740
23982.784	4188.6470	9140	23991.720	4166.3626	12480			24003.535	4164.8788	86C8
23983.355	4168.3833	10440	23992.814	4166.5664	11480			24003.661	4164.8571	11740
23983.600	4168.4407	8140	23994.026	4166.5295	9240			24003.821	4164.8293	1140
23983.656	4168.4310	9940	23994.156	4166.5070	11340			24003.053	4164.7891	37340
23983.775	4168.4106	12640	23994.302	4166.4816	19440			24004.229	4164.7584	12340
23983.911	4168.2948	11440	23994.509	4166.4456	10240			24004.345	4164.7384	8840
23984.056	4168.2615	8240	23994.611	4166.4279	10480			24004.466	4164.7209	10480
23984.315	4168.2165	13940	23994.712	4166.4104	14940	29756.6	5762 5 1	24004.593	4164.6954	16980
23984.491	4168.1857	11340	23994.835	4166.3890	16540			24004.665	4164.6822	20040
23984.668	4168.1517	13140	23995.184	4166.3284	10140	32832.3	8056 2 1	24004.858	4164.6493	103C8
23985.169	4168.0716	98480	23995.395	4166.2917	17740			24005.117	4164.6044	9180
23985.327	4168.0406	9480	23995.545	4166.2659	19640			24005.620	4164.5172	9740
23985.529	4168.0230	14940	23995.905	4166.2041	7740			24005.763	4164.4724	10040
23985.533	4168.0049	9240	23996.088	4166.1711	7640			24005.910	4164.3321	15440
23985.799	4167.9566	10640	23996.168	4166.1575	6140			24006.104	4164.4332	16440
23985.901	4167.9409	8640	23996.282	4166.1379	11240			24006.530	4164.3593	15440
23986.011	4167.9217	59C8	23996.316	4166.0972	14040			24006.631	4164.3417	15440
23986.239	4167.8722	8790	23996.650	4166.0739	7740			24006.810	4164.3107	14840
23986.458	4167.8442	16240	23996.822	4166.0441	17440	20262.5	4275 6 11	24007.102	4164.2500	8540
23986.504	4167.8187	11640	23997.170	4166.0052	12040			24007.356	4164.2143	23440
23986.716	4167.7994	69C8	23997.466	4165.9836	10540			24007.564	4164.1830	13340
23986.863	4167.7737	8140	23997.267	4165.9468	8740			24007.982	4164.1074	15940
23986.982	4167.7531	19640	23997.648	4165.9006	9440			24008.157	4164.0720	21240
23987.074	4167.7372	23940	23997.828	4165.8693	14140			24008.470	4164.0229	9390
23987.133	4167.7234	18540	23998.096	4165.8229	7540			24008.660	4163.9899	9340
23987.248	4167.7034	13940	23998.300	4165.7875	13440			24008.789	4163.9674	11340
23987.575	4167.6501	20940	23998.379	4165.7737	12540			24009.015	4163.9457	8840
23987.916	4167.5908	11240	23998.585	4165.7379	7140			24009.277	4163.8828	7640
23988.313	4167.5219	7080	23998.719	4165.7147	15640			24009.370	4163.8633	9340
23988.740	4167.4462	6790	23998.964	4165.6723	32440	24288.5	289 5 22	24009.437	4163.8464	11540
23988.853	4167.4290	4140	23999.139	4165.6418	14440			24009.601	4163.8267	12440
23988.951	4167.4110	21440	23999.339	4165.6220	11440			24009.656	4163.7842	19780
23989.309	4167.3662	30140	23999.353	4165.6045	11528			24010.046	4163.7442	32440
23989.401	4167.3327	23140	23999.423	4165.5945	8440			24010.246	4163.7146	19780
23989.515	4167.3130	11040	23999.468	4165.5754	13128			24010.458	4163.6742	3740
23989.603	4167.2978	8040	23999.567	4165.5641	100C8			24010.683	4163.6256	13740
23989.772	4167.2857	74C8	23999.714	4165.5421	8840			24010.760	4163.6256	13740
23989.894	4167.2716	6240	23999.875	4165.5140	13740			24010.959	4163.5712	15440
23989.920	4167.2603	5440	23999.944	4165.4930	13940			24011.067	4163.5723	9780
23989.940	4167.2516	5240	24000.024	4165.4830	13940			24011.225	4163.5449	8180
23989.948	4167.2376	9540	24000.299	4165.4406	23340			24011.568	4163.4855	11680
23990.293	4167.1778	9140	24000.421	4165.4194	15740	34741.4	10740 5 2	24011.668	4163.4882	10590
23990.481	4167.1452	20340	24000.520	4165.4022	17140			24011.759	4163.4525	9080
23990.732	4167.1017	8440	24000.597	4165.3887	13928	28454.4	4453 4 1	24011.974	4163.4151	12140
23990.820	4167.0689	15040	24000.833	4165.3478	8440			24012.277	4163.3626	11940
23991.154	4167.0282	31940	24000.936	4165.3478	8440			24012.451	4163.3324	10140
23991.339	4166.9962	12640	24001.394	4165.2505	12440			24012.590	4163.3084	9780
23991.443	4166.9782	12640	24001.585	4165.2172	19640			24012.785	4163.2744	16240
23991.520	4166.9648	11140	24001.825	4165.1757	22840	28587.5	4858 6 2	24012.988	4163.2220	22540
23991.694	4166.9345	16140	24002.062	4165.1345	6180			24013.309	4163.1836	11640
23991.885	4166.9011	13040	24002.175	4165.1150	11140			24013.412	4163.1957	13840
23992.009	4166.8799	140C8	24002.241	4165.1034	11040			24013.513	4163.1482	9040
23992.102	4166.8636	24240	24002.320	4165.0898	10940			24013.697	4163.1163	13640
23992.295	4166.8319	19440	24002.531	4165.0531	13040			24013.790	4163.1003	14340
23992.527	4166.7899	17140	24002.624	4165.0370	10740			24013.956	4163.0715	9740
23992.607	4166.7758	11480	24002.700	4165.0238	12540			24014.064	4163.0527	15040
23992.849	4166.7338	29140	24002.874	4164.9936	9140			24014.326	4163.0057	23340
23993.044	4166.7001	14140	24002.963	4164.9747	13140			24014.544	4162.9695	12640
23993.179	4166.6767	19740	24003.075	4164.9587	9440					

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
24014.737	4162.9361	13840	24025.035	4161.1517	5080	24037.378	4159.0148	11740
24014.940	4162.9009	6980	24025.423	4161.0844	6940	24037.592	4158.9780	9940
24015.174	4162.8611	12840	24025.523	4161.0672	10280	24037.797	4158.9425	12480
24015.254	4162.8465	9180	24025.593	4161.0550	11540	24037.862	4158.9312	14440
24015.362	4162.8277	6040	24025.729	4161.0315	10040	24038.013	4158.9051	15940
24015.651	4162.7777	7240	24025.793	4161.0204	9480	24038.086	4158.8924	11880
24015.876	4162.7387	17240	24025.953	4160.9926	19840	24038.172	4158.8776	15040
24016.044	4162.7091	7980	24026.200	4160.9499	31040	24038.485	4158.8233	11540
24016.283	4162.6681	20840	24026.400	4160.8996	15140	24038.702	4158.7858	13240
24016.459	4162.6377	23340	24026.596	4160.8814	13240	24038.834	4158.7630	5680
24016.594	4162.6157	25440	24026.881	4160.8371	21140	24038.927	4158.7516	15640
24016.764	4162.5844	9840	24026.993	4160.8126	11280	24039.349	4158.6739	5380
24016.871	4162.5680	12340	24027.233	4160.7710	15040	24039.524	4158.6437	17440
24016.972	4162.5497	10740	24027.376	4160.7462	7180	24039.702	4158.6129	8340
24017.046	4162.5289	14480	24028.071	4160.6259	9040	24039.833	4158.5902	11040
24017.203	4162.5086	24940	24028.418	4160.5658	7680	24039.965	4158.5673	16440
24017.270	4162.4971	23540	24028.693	4160.5252	23940	24039.965	4158.5537	17640
24017.433	4162.4722	20840	24029.104	4160.4470	7740	24040.044	4158.5537	17640
24017.662	4162.4292	34740	24029.319	4160.4099	20640	24040.173	4158.5314	13240
24017.811	4162.3981	19140	24029.440	4160.3884	15140	24040.294	4158.5104	8740
24017.952	4162.3789	18540	24029.655	4160.3516	9180	24040.342	4158.5021	8380
24018.048	4162.3622	13440	24029.754	4160.3344	9740	24040.568	4158.4665	15440
24018.147	4162.3451	15880	24029.892	4160.3163	12040	24041.001	4158.3881	15580
24018.253	4162.3280	9840	24030.075	4160.2755	2540	24041.110	4158.3692	15340
24018.37	4162.3096	12540	24030.190	4160.2590	17280	24041.937	4158.2262	5680
24018.573	4162.2799	18240	24030.443	4160.2152	9240	24042.052	4158.2046	12840
24018.914	4162.2115	9540	24030.724	4160.1663	6680	24042.275	4158.1878	18440
24019.043	4162.1963	12380	24030.884	4160.1389	10740	24042.154	4158.1678	18440
24019.124	4162.1756	14640	24031.088	4160.1140	8840	24042.492	4158.1302	15440
24019.279	4162.1489	16640	24031.348	4160.0586	7180	24042.704	4158.0937	9240
24019.532	4162.1051	28740	24031.460	4160.0392	15340	24042.887	4158.0620	9740
24019.705	4162.0750	7140	24031.621	4160.0112	19340	24043.130	4158.0199	27140
24019.810	4162.0569	11040	24031.812	4159.9782	11440	24043.392	4158.9746	27940
24019.910	4162.0380	8540	24032.010	4159.9439	6280	24043.567	4158.9443	9140
24020.131	4162.0012	6740	24032.243	4159.9036	6280	24043.731	4158.9160	9280
24020.447	4161.9465	10740	24032.355	4159.8843	11740	24043.731	4158.8538	6480
24020.604	4161.9048	2740	24032.527	4159.8545	15340	24044.021	4158.8278	9980
24020.843	4161.8744	25240	24032.819	4159.7935	14740	24044.241	4158.8278	9980
24021.152	4161.8246	11740	24033.055	4159.7630	4240	24044.330	4158.8123	15080
24021.388	4161.7835	25640	24033.231	4159.7326	8640	24044.414	4158.7979	22940
24021.589	4161.7486	13480	24033.390	4159.7047	10040	24044.566	4158.7716	14540
24021.657	4161.7369	14140	24033.709	4159.6498	21040	24044.670	4158.7536	9540
24021.763	4161.7185	6680	24034.247	4159.5568	15140	24044.841	4158.7241	18840
24021.893	4161.6959	6680	24034.375	4159.5345	10340	24045.024	4158.6907	7140
24021.993	4161.6803	13940	24034.571	4159.5066	11440	24045.100	4158.6792	8840
24022.090	4161.6635	13040	24034.844	4159.5006	10840	24045.337	4158.6383	27440
24022.244	4161.6352	24340	24034.954	4159.4843	6180	24045.512	4158.6070	9540
24022.439	4161.6014	5680	24035.198	4159.3921	2540	24045.798	4158.5586	8240
24022.732	4161.5506	13040	24035.182	4159.3620	10140	24046.054	4158.5195	12240
24022.816	4161.5321	12340	24035.382	4159.3430	10140	24046.198	4158.4895	12240
24023.182	4161.4866	12740	24035.585	4159.3252	10240	24046.441	4158.4474	20840
24023.269	4161.4696	6140	24035.693	4159.3056	15940	24046.581	4158.4232	18240
24023.547	4161.4095	11640	24035.861	4159.2775	9540	24046.726	4158.3981	12040
24024.011	4161.3290	13640	24035.958	4159.2607	4680	24046.880	4158.3715	8080
24024.189	4161.2981	9380	24036.103	4159.2356	4280	24047.091	4158.3350	21440
24024.266	4161.2849	18940	24036.428	4159.1793	10840	24047.245	4158.3085	12240
24024.348	4161.2707	8980	24036.478	4159.1707	10280	24047.457	4158.2686	14740
24024.461	4161.2511	4980	24036.570	4159.1547	13540	24047.745	4158.2198	12440
24024.547	4161.2363	5880	24036.870	4159.1029	24840	24047.879	4158.1988	12440
24024.764	4161.1985	6640	24037.008	4159.0790	23440	24048.118	4158.1574	10380
			24037.221	4159.0420	5340	24048.184	4158.1461	12940



SIGMA	I PS CLASSIFICATION ION	HL	I PS CLASSIFICATION ION	SIGMA	HL	I PS CLASSIFICATION ION	SIGMA	HL	I PS CLASSIFICATION ION
24095.054	1149.0591	18460	24115.124	1145.6061	10480	24132.289	4142.6574	9480	32410 6 8276 6 2
24095.214	1149.0317	18040	24115.216	1145.5900	13740	24132.685	4142.6237	9580	
24095.331	1149.0116	13140	24115.402	1145.5584	15180	24132.619	4142.6008	13682	
24095.428	1149.0261	14640	24115.514	1145.5302	10480	24133.019	4142.5531	11780	
24096.627	1148.7885	7676	24115.793	1145.4913	17580	24133.162	4142.5075	10980	
24096.762	1148.7655	11080	24115.983	1145.4585	12680	24133.623	4142.4625	18440	
24096.874	1148.7460	15440	24116.798	1145.3871	29240	24133.774	4142.4025	13580	
24097.181	1148.6931	11480	24116.705	1145.3364	16440	24133.848	4142.3997	12580	
24097.956	1148.5597	23480	24117.255	1145.2999	15180	24134.092	4142.3308	15280	
24098.161	1148.5245	11480	24117.378	1145.2748	19140	24134.192	4142.3308	15280	
24098.363	1148.4845	28040	24118.147	1145.0845	9480	24134.702	4142.2432	13380	
24098.897	1148.4028	13080	24118.449	1145.0347	15580	24134.878	4142.2129	16980	
24099.424	1148.3070	11474	24119.043	1144.9326	21840	24135.087	4142.1771	22940	
24100.395	1148.1916	6180	24119.168	1144.9111	16480	24135.371	4142.1265	17280	
24100.675	1148.1022	14580	24119.503	1144.8536	13780	24135.517	4142.1033	24640	
24100.797	1148.0706	12980	24119.681	1144.8230	14680	24135.687	4142.0742	6780	
24101.037	1148.0293	35440	24119.922	1144.7816	8580	24136.341	4141.9620	13580	
24101.327	1148.0195	12840	24120.239	1144.7271	16178	24136.466	4141.9405	9880	
24101.609	1147.9720	11480	24120.423	1144.6955	33540	24136.698	4141.9006	18680	
24101.807	1147.9464	17340	24120.610	1144.6633	13080	24136.946	4141.8581	38441	24757 4 620 5 11
24102.310	1147.8102	11480	24120.922	1144.6097	29240	24137.121	4141.8280	18380	
24102.612	1147.7593	6480	24121.094	1144.5801	12080	24137.239	4141.7807	16380	
24102.985	1147.6976	12280	24121.203	1144.5613	7578	24137.350	4141.7807	20380	
24103.468	1147.6105	22740	24122.157	1144.3974	14480	24137.823	4141.7076	9580	
24104.533	1147.4702	13980	24122.431	1144.3504	15740	24138.122	4141.6564	16340	
24104.728	1147.4342	26140	24122.560	1144.3282	13080	24138.416	4141.6059	11080	
24104.894	1147.3942	26140	24122.775	1144.2912	12480	24138.539	4141.5847	11280	
24105.074	1147.3646	10481	24122.981	1144.2550	16040	24138.785	4141.5426	17040	
24105.336	1147.3319	9880	24123.272	1144.2059	7140	24139.380	4141.4445	13580	
24105.569	1147.2895	8580	24123.775	1144.1539	21180	24139.880	4141.3968	18540	
24105.855	1147.2003	6980	24123.992	1144.1167	11980	24139.894	4141.3923	13280	
24106.070	1147.1715	13480	24124.462	1144.0912	15680	24140.042	4141.3268	11480	
24106.453	1147.0974	17580	24124.618	1144.9748	11480	24140.166	4141.3056	12080	
24106.578	1147.0758	17140	24124.722	1144.9568	9480	24140.422	4141.2517	28140	27941 6 3800 7 11
24106.767	1147.0433	12340	24124.970	1144.9143	30740	24140.656	4141.1872	14180	32535 6 894% 7 22
24107.180	1146.9723	20540	24125.156	1144.8822	9780	24141.061	4141.1521	9480	
24107.581	1146.9033	9480	24125.364	1144.8466	11480	24141.186	4141.1306	8880	35128 7 10987 6 1
24108.000	1146.8312	11780	24125.629	1144.7846	12480	24141.539	4141.0752	20440	31467 6 7326 7 1
24108.320	1146.7763	11980	24125.925	1144.7502	8680	24141.782	4141.0284	22440	
24109.072	1146.6537	13680	24126.185	1144.7056	10480	24141.849	4141.0169	22540	
24109.257	1146.6119	35440	24126.289	1144.6807	8980	24142.077	4141.0178	16140	34827 7 10685 6 1
24109.567	1146.5749	12280	24127.169	1144.5366	9980	24142.440	4140.9154	19340	
24110.201	1146.4827	16140	24127.356	1144.5044	16378	24142.543	4140.8979	13280	
24110.521	1146.3856	11080	24127.456	1144.4872	25940	24142.696	4140.8715	8180	
24110.826	1146.3056	11080	24127.646	1144.4545	11980	24142.868	4140.8421	9180	
24111.037	1146.2229	10580	24127.797	1144.4246	11080	24142.994	4140.8206	9780	
24111.653	1146.2030	17380	24128.100	1144.3767	17340	24143.499	4140.7339	23040	
24111.757	1146.1852	19240	24128.298	1144.3427	9780	24143.827	4140.6777	12280	
24112.101	1146.1697	10980	24128.427	1144.3205	14380	24144.431	4140.5741	11380	
24112.607	1146.1260	14580	24128.757	1144.3038	11680	24144.523	4140.5583	14240	34885 5 10740 5 2
24113.011	1146.0595	14480	24129.439	1144.1947	8682	24145.280	4140.4285	16640	
24113.315	1145.9172	13340	24129.669	1144.1073	8682	24145.523	4140.3808	11180	
24113.670	1145.8562	11078	24129.920	1144.0641	16140	24145.635	4140.3332	13440	
24113.749	1145.8273	11580	24130.032	1144.0469	9280	24146.051	4140.2942	12980	
24114.148	1145.7705	16440	24130.242	1144.0092	9280	24146.131	4140.2893	9580	
24114.379	1145.7405	16440	24130.611	1144.9455	9280	24146.369	4140.2539	15580	
24114.674	1145.6824	11140	24130.801	1144.9129	17640	24146.747	4140.1769	6080	
24114.739	1145.6724	11140	24131.420	1144.8053	12880	24147.069	4140.1218	7780	
24115.059	1145.6241	11480	24131.603	1144.7409	12080	24147.217	4140.0963	12980	

SIGMA	ML	1 PS CLASSIFICATION ION	SIGMA	ML	1 PS CLASSIFICATION ION	SIGMA	ML	1 PS CLASSIFICATION ION
2417.463	4140.0542	15040	24162.633	4117.4545	17440	24176.871	4135.0666	8780
2417.510	4140.0290	11490	24162.656	4117.4171	11480	24176.769	4135.0357	9780
2417.452	4139.9875	11490	24163.293	4117.3435	11500	24177.052	4134.9856	10940
2417.976	4139.9642	10340	24163.512	4117.3064	7680	24177.266	4134.9507	11154
2418.636	4139.8534	9080	24163.591	4117.2909	4780	24177.542	4134.8966	15780
2418.013	4139.8227	7580	24163.670	4117.2773	4080	24177.709	4134.8750	22340
2418.011	4139.8188	9080	24163.919	4117.2344	42740	24177.921	4134.8396	9190
2418.204	4139.7568	20740	24164.016	4117.2177	17440	24178.097	4134.8096	7250
2418.000	4139.7221	11740	24164.392	4117.1517	12410	24178.182	4134.7940	11490
2418.574	4139.6922	6740	24164.698	4117.1012	10940	24178.421	4134.7532	10340
2418.917	4139.6341	9274	24165.093	4117.0317	30140	24178.555	4134.7303	12980
2418.050	4139.6106	11440	24165.280	4117.0016	6480	24179.108	4134.6356	12980
2418.254	4139.5766	11080	24165.603	4116.9086	9080	24179.286	4134.6053	13880
2418.334	4139.5619	10080	24165.527	4116.8584	5480	24179.826	4134.4957	20140
2418.038	4139.4612	7754	24165.819	4116.7093	9180	24180.026	4134.4786	13480
2418.094	4139.4317	9480	24166.074	4116.6657	18740	24180.286	4134.4342	6880
2418.597	4139.3434	11140	24166.390	4116.6117	32040	24180.503	4134.3972	9880
2418.843	4139.3023	32940	24166.602	4116.5753	31940	24180.644	4134.3731	12680
2418.210	4139.2439	7040	24166.763	4116.5474	26140	24181.121	4134.2415	18940
2418.334	4139.2149	12590	24167.062	4116.4966	16280	24181.597	4134.2613	8080
2418.263	4139.1799	14980	24167.283	4116.4587	10480	24181.846	4134.1676	9580
2418.204	4139.1387	16280	24167.533	4116.5948	14280	24181.953	4134.1493	9780
2418.798	4139.7645	0	24167.919	4116.5499	7780	24182.110	4134.1223	13380
2418.984	4139.1074	13980	24168.194	4116.5028	20340	24182.323	4134.0859	9480
2418.991	4139.0804	14480	24168.410	4116.4458	32540	24182.485	4134.0583	10080
2418.223	4139.0668	13280	24168.608	4116.4320	35840	24182.618	4134.0255	14540
2418.534	4139.0621	33680	24168.911	4116.3973	14080	24182.978	4133.9740	20840
2418.227	4138.9488	12480	24169.249	4116.3223	10180	24183.407	4133.8835	7680
2418.494	4138.9446	8780	24169.522	4116.2755	11480	24183.613	4133.8655	11940
2418.033	4138.9223	12480	24169.720	4116.2477	14940	24183.696	4133.8513	12540
2418.621	4138.7930	14340	24170.067	4116.1823	12480	24183.917	4133.8135	9180
2418.222	4138.7242	8880	24170.305	4116.1416	16740	24184.028	4133.7946	13780
2418.555	4138.6843	22440	24170.627	4116.0864	11780	24184.208	4133.7638	8380
2418.530	4138.6545	30940	24170.889	4116.0415	16340	24184.305	4133.7460	15280
2418.800	4138.6253	14480	24171.239	4115.9817	17940	24184.405	4133.7311	16680
2418.202	4138.5564	10480	24171.525	4115.9338	10480	24184.501	4133.7161	16680
2418.646	4138.4326	11280	24171.842	4115.8497	15580	24184.596	4133.7011	16680
2417.134	4138.3906	11280	24172.071	4115.8169	8440	24184.692	4133.6861	16680
2417.381	4138.3543	14480	24172.375	4115.7873	14380	24184.789	4133.6711	16680
2417.637	4138.3193	15440	24172.674	4115.7584	30240	24184.886	4133.6561	16680
2417.754	4138.2905	14380	24172.972	4115.7333	17440	24184.983	4133.6411	16680
2418.000	4138.2650	14380	24173.270	4115.7109	17440	24185.080	4133.6261	16680
2418.094	4138.2494	8880	24173.568	4115.6882	17780	24185.177	4133.6111	16680
2418.640	4138.1044	13780	24173.866	4115.6652	12780	24185.274	4133.5961	16680
2418.057	4138.0673	15480	24174.164	4115.6422	15380	24185.371	4133.5811	16680
2418.248	4138.0278	14480	24174.462	4115.6191	11080	24185.468	4133.5661	16680
2418.532	4138.0031	24540	24174.760	4115.5959	15440	24185.565	4133.5511	16680
2418.941	4137.9159	26340	24175.058	4115.5724	15440	24185.662	4133.5361	16680
2418.013	4137.8603	26440	24175.356	4115.5484	14580	24185.759	4133.5211	16680
2418.502	4137.8108	10080	24175.654	4115.5244	14580	24185.856	4133.5061	16680
2418.000	4137.7736	14880	24175.952	4115.5004	15880	24185.953	4133.4911	16680
2418.124	4137.7132	31240	24176.250	4115.4764	16380	24186.050	4133.4761	16680
2418.647	4137.6579	14480	24176.548	4115.4524	16380	24186.147	4133.4611	16680
2418.156	4137.6393	11180	24176.846	4115.4284	16380	24186.244	4133.4461	16680
2418.174	4137.6140	14880	24177.144	4115.4044	16380	24186.341	4133.4311	16680
2418.035	4137.5915	5780	24177.442	4115.3804	16380	24186.438	4133.4161	16680
2418.108	4137.5446	14480	24177.740	4115.3564	16380	24186.535	4133.4011	16680

I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION	
SIGMA	WL	SIGMA	WL	SIGMA	WL	SIGMA	WL
24190.622	4132.6677	9980		24205.630	4130.1053	1840	
24190.733	4132.6587	10780		24205.901	4130.0590	15580	
24191.304	4132.5508	10780		24206.411	4129.9420	16640	
24191.464	4132.5235	14640		24206.577	4129.9437	12580	
24191.894	4132.4497	13280		24206.762	4129.9121	11780	
24192.096	4132.4158	10180		24206.870	4129.8937	9480	
24192.209	4132.3866	16540		24207.054	4129.8624	10180	
24192.490	4132.3470	15280		24207.215	4129.8340	17040	
24192.821	4132.2920	10280		24207.501	4129.7861	10180	
24193.112	4132.2164	11180		24207.563	4129.7755	10480	
24193.312	4132.2061	9780		24207.778	4129.7387	11380	
24193.574	4132.1626	20140		24208.048	4129.6924	18780	
24193.694	4132.1426	19080		24208.115	4129.6813	17480	
24193.981	4132.0939	25040		24208.303	4129.6595	19540	
24194.215	4132.0540	33580		24208.384	4129.6388	17780	
24194.471	4132.0122	34340	28470 6 4275 6 11	24208.632	4129.5932	18028	
24194.650	4131.9746	11280		24208.753	4129.5724	17640	
24194.952	4131.9281	6180		24208.942	4129.5403	13380	
24195.167	4131.8913	7080		24209.302	4129.4788	21240	
24195.436	4131.8453	15180		24209.473	4129.4494	24440	
24195.555	4131.8251	15680		24210.191	4129.3272	15180	
24195.681	4131.8035	15380		24210.294	4129.3097	11080	
24195.815	4131.7806	26540		24210.406	4129.2905	9980	
24196.139	4131.7254	21780	34881 9 10685 8 1	24210.685	4129.2430	11180	
24196.354	4131.6879	13980		24211.098	4129.1743	13080	
24196.472	4131.6701	12880		24211.157	4129.1624	12480	
24197.193	4131.5453	16880	28650 5 4453 4 1	24211.460	4129.1274	9780	
24197.324	4131.5226	6994		24211.831	4129.0304	19540	36203 4 5991 4 1
24197.585	4131.4818	10180		24212.089	4129.0069	17540	
24197.899	4131.4299	18180	34486 5 10288 6 1	24212.385	4128.9588	14880	
24198.184	4131.3755	16880		24212.452	4128.9416	15280	
24198.366	4131.3466	26740	31364 4 7166 4 2	24212.582	4128.9177	11280	
24198.777	4131.2750	11680	35656 7 11457 6 1	24212.776	4128.8864	24540	32331 8 8118 7 11
24199.931	4131.2487	16480		24212.888	4128.8572	17280	
24199.201	4131.2025	11780		24213.491	4128.7643	17280	
24199.745	4131.1097	14440		24213.569	4128.7511	16480	
24199.844	4131.0923	14040		24213.751	4128.7201	9280	
24200.113	4131.0468	7480		24213.867	4128.7002	8280	
24200.644	4130.9559	9080		24214.036	4128.6702	16640	
24200.843	4130.9222	13140		24214.357	4128.6245	12480	
24201.052	4130.8797	11740		24214.543	4128.6146	9280	
24201.230	4130.8562	11740		24214.829	4128.6004	9280	
24201.310	4130.8425	18180		24214.768	4128.5761	15780	
24201.474	4130.8112	18340		24214.907	4128.5353	37240	28636 6 4420 5 22
24202.174	4130.6943	17340		24215.192	4128.5039	15280	
24202.384	4130.6584	33740	30451 6 6249 6 11	24215.309	4128.4859	13980	
24202.567	4130.6280	9780		24215.398	4128.4687	14580	
24202.756	4130.5956	14580		24215.550	4128.4428	14480	
24202.869	4130.5764	12580		24215.739	4128.4106	12380	
24203.143	4130.5297	11080		24215.847	4128.3922	11180	
24203.210	4130.5182	14480		24216.194	4128.3672	12028	
24203.880	4130.4038	16940		24216.088	4128.3511	15680	29476 6 5259 7 2
24204.057	4130.3737	10380		24216.262	4128.3215	10480	
24204.170	4130.3545	14382		24216.562	4128.2119	10880	
24204.308	4130.3309	14582		24216.584	4128.1740	12480	31322 4 7103 3 11
24204.532	4130.3017	16980		24216.739	4128.1378	12480	
24204.666	4130.2697	8780		24216.867	4128.1119	16540	
24205.204	4130.1774	9180		24216.946	4128.0844	11980	
24205.370	4130.1496	11590		24216.599	4128.0351	4580	
24205.453	4130.1355	11380		24216.946	4128.0351	11980	





SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION
24274.874	4116.3234	17480	24288.990	4115.9304	17040	24302.044	4113.7195	10080
24275.046	4118.2948	16140	24289.589	4115.4007	16840	24302.640	4113.6112	6390
24275.134	4118.2798	15780	24289.756	4115.4007	16840	24303.193	4113.5250	20040
24275.314	4118.2099	8640	24289.901	4115.3741	9840	24303.398	4113.4903	8590
24275.552	4119.2099	25340	24290.085	4115.3444	12240	24303.576	4113.4602	14670
24275.951	4119.1413	23340	24290.247	4115.3174	10140	24303.651	4113.4475	17540
24276.645	4119.0235	10780	24290.347	4115.3004	12440	24303.656	4113.3790	18040
24276.668	4117.9856	12280	24290.434	4115.2850	14740	24303.622	4113.2832	17040
24277.130	4117.9412	17680	24290.675	4115.2449	35440	24303.678	4113.2398	13640
24277.373	4117.9001	29040	24290.649	4115.2154	14580	24305.629	4113.1128	32440
24277.550	4117.8700	11180	24290.879	4115.1944	10940	24305.874	4113.0713	19440
24277.694	4117.8109	19740	24291.215	4115.1594	10940	24306.000	4113.0500	18740
24278.067	4117.7823	14180	24291.424	4115.1400	15840	24306.283	4112.9025	12640
24278.214	4117.7533	13680	24291.623	4115.1142	12840	24306.340	4112.9425	10808
24278.495	4117.7097	13080	24291.879	4115.0809	11140	24306.537	4112.9591	16340
24278.596	4117.6632	12440	24292.117	4115.0407	17340	24306.772	4112.9194	26840
24278.939	4117.6346	23740	24292.316	4115.1649	9840	24307.154	4112.8547	17140
24279.130	4117.6050	18780	24292.590	4115.1205	7240	24307.505	4112.7953	14240
24279.395	4117.5570	14280	24292.634	4115.2792	13840	24307.634	4112.7734	13140
24279.506	4117.5382	16480	24292.945	4115.2603	15540	24308.026	4112.7070	14740
24279.777	4117.4923	15980	24293.067	4115.2306	14340	24308.129	4112.6896	15240
24279.930	4117.4664	16780	24293.277	4115.2042	11540	24308.359	4112.6507	10380
24280.012	4117.4534	13904	24293.645	4115.1689	9240	24308.433	4112.5755	18340
24280.216	4117.4173	27140	24293.872	4115.1032	13940	24308.697	4112.5032	25240
24280.430	4117.3816	15680	24293.976	4115.0476	9740	24308.855	4112.5285	18540
24280.731	4117.3382	7981	24294.229	4115.0029	15140	24310.155	4112.3669	14140
24280.937	4117.2993	14680	24294.596	4114.9805	19240	24310.284	4112.3251	11340
24281.167	4117.2585	10080	24294.710	4114.9113	11640	24310.478	4112.2923	12940
24281.347	4117.2260	14708	24294.974	4114.9336	8680	24310.567	4112.2772	13040
24281.432	4117.2216	17440	24295.115	4114.8924	26240	24310.807	4112.2367	12240
24281.622	4117.1795	9480	24295.352	4114.8556	15440	24311.216	4112.1674	18240
24282.624	4117.0094	11280	24295.544	4114.8201	9840	24311.728	4112.0808	16140
24283.184	4116.9173	24340	24295.651	4114.8030	10940	24312.233	4111.9955	6540
24283.168	4116.8783	34240	24295.327	4114.6475	10080	24312.620	4111.9301	20840
24283.398	4116.8783	34240	24296.464	4114.6668	18440	24312.870	4111.8876	9280
24283.613	4116.8418	17440	24296.594	4114.6462	19040	24313.244	4111.8008	20840
24283.800	4116.8095	17440	24296.787	4114.6055	30840	24313.531	4111.7654	16040
24283.984	4116.7770	10540	24297.056	4114.5640	18940	24313.938	4111.7011	7008
24284.281	4116.7286	11740	24297.241	4114.5337	10308	24314.016	4111.6938	10008
24284.612	4116.6785	12740	24297.384	4114.5086	21340	24314.226	4111.6584	10008
24284.841	4116.6336	13440	24297.757	4114.4806	11580	24314.314	4111.6434	14280
24285.130	4116.5847	14840	24297.834	4114.4323	13440	24314.381	4111.6321	17390
24285.246	4116.5646	21540	24298.074	4114.3916	19540	24314.662	4111.5847	18840
24285.320	4116.5524	23840	24298.535	4114.3136	19540	24314.868	4111.5498	11508
24285.593	4116.5056	15440	24298.808	4114.2677	11080	24315.341	4111.5227	19240
24285.799	4116.4712	12980	24299.024	4114.2470	14540	24315.749	4111.4699	10380
24285.017	4116.4343	28640	24299.206	4114.2470	14540	24315.956	4111.3658	20440
24286.313	4116.3841	16140	24299.684	4114.2366	16940	24316.470	4111.3505	15280
24286.652	4116.3437	36640	24299.245	4114.1808	20840	24316.670	4111.3126	12980
24286.919	4116.2814	21440	24299.553	4114.1412	11240	24316.665	4111.2541	14780
24287.228	4116.2290	13740	24300.024	4114.0294	19440	24316.669	4111.2492	14980
24287.403	4116.1994	14440	24300.216	4114.0210	12180	24317.193	4111.1587	20340
24287.525	4116.1384	21840	24300.295	4114.0157	14740	24317.403	4111.1212	9480
24287.802	4116.0979	11840	24300.491	4113.9850	15740	24318.012	4111.0183	36940
24288.002	4116.0979	11840	24300.761	4113.9164	21840	24318.203	4110.9859	14108
24288.221	4116.0607	25740	24300.669	4113.9164	21840	24318.571	4110.9238	15180
24288.402	4116.0300	15640	24301.351	4113.8308	14640	24318.673	4110.9044	15840
24288.617	4115.9937	13940	24301.524	4113.8073	12840	24318.775	4110.8893	13780
24288.728	4115.9746	11280	24301.970	4113.7330	12540	24319.126	4110.8288	32840
24288.867	4115.9412	13440						

SIGMA	ML	I PS CLASSIFICATION	ION	SIGMA	ML	I PS CLASSIFICATION	ION	SIGMA	ML	I PS CLASSIFICATION	ION
24319.374	4110.7944	12980		24334.034	4108.1743	9180		24349.748	4105.6600	7080	
24319.619	4110.7447	12980		24335.033	4108.1430	9180		24350.449	4105.5580	7080	
24319.911	4110.6272	12980		24335.122	4108.1251	11560		24350.955	4105.4560	7080	
24320.215	4110.6456	33440	24940 4	24335.226	4108.1098	17760		24351.217	4105.3540	12480	
24320.533	4110.5760	12980		24335.665	4108.0791	12880	26084 5	24351.302	4105.3494	12480	
24320.761	4110.5295	16780		24336.363	4107.9187	22040	32489 5	24351.590	4105.3494	17980	
24320.961	4110.5295	30940	28596 7	24336.663	4107.8678	13470		24351.720	4105.3275	26440	26627 6
24321.073	4110.5007	11480		24336.826	4107.8400	14980		24351.825	4105.3099	30440	28192 7
24321.259	4110.4696	11480		24337.029	4107.8058	11480		24352.065	4105.2894	16080	
24321.409	4110.4441	22840		24337.250	4107.7685	20240	24758 5	24352.219	4105.2435	15780	
24321.561	4110.4353	22840		24337.335	4107.7373	12380		24352.318	4105.0420	16040	
24321.694	4110.3958	15080		24337.644	4107.7021	15780	30586 6	24353.116	4105.0585	11280	
24321.621	4110.3744	22240		24338.004	4107.6612	7180		24353.372	4105.0492	10080	
24322.161	4110.3149	16880		24338.260	4107.5981	14882		24353.521	4105.0240	10580	
24322.286	4110.2842	16880		24338.444	4107.5684	14880		24353.684	4104.9965	15680	24974 4
24322.509	4110.2551	13180	35612 4	24338.703	4107.5233	32740	26414 5	24353.823	4104.9680	34340	620 5 11
24322.742	4110.2441	12480		24338.889	4107.4820	12080		24354.219	4104.8894	21440	32472 6
24322.931	4110.2441	12480	0 6 11	24339.260	4107.4282	24340	30588 6	24354.463	4104.8652	14380	32472 6
24323.309	4110.1230	15680		24339.569	4107.3771	31740		24354.548	4104.8508	11680	
24323.404	4110.1066	15680		24339.734	4107.3493	12480		24354.809	4104.8070	13980	
24323.561	4110.0974	14940		24340.324	4107.2498	14780		24354.867	4104.7937	18280	
24323.667	4110.0794	9480	31649 6	24340.404	4107.2363	16740		24355.071	4104.7627	11980	
24323.742	4110.0698	9380		24340.616	4107.2004	12480	30588 5	24355.125	4104.7537	12280	
24323.943	4110.0091	14540		24340.775	4107.1749	10480		24355.253	4104.7321	14580	
24324.094	4109.9920	11780		24341.044	4107.1282	19940		24355.666	4104.6625	13080	
24324.512	4109.9137	13780		24341.246	4107.1041	13180		24355.866	4104.6321	14480	
24325.148	4109.8055	10480		24341.326	4107.0798	11180		24356.108	4104.5880	12080	
24325.249	4109.7884	11080		24341.528	4107.0534	9080		24356.233	4104.5669	14580	
24325.622	4109.7084	10480		24341.793	4107.0034	9080		24356.296	4104.5560	14280	
24326.006	4109.5828	14480	26184 4	24342.198	4106.9346	36240	24342 3	24356.620	4104.5016	13280	
24326.792	4109.5345	33040		24342.847	4106.8241	9980		24356.685	4104.4907	15680	
24327.080	4109.5011	15680		24343.262	4106.7540	14680		24357.003	4104.4372	21440	
24327.251	4109.4549	14080	34335 4	24343.459	4106.7268	16180		24357.322	4104.3834	12680	
24327.944	4109.3997	15380		24343.564	4106.6997	9480		24357.458	4104.3604	19040	
24328.704	4109.2115	23480	31974 6	24343.722	4106.6745	10580		24357.568	4104.3386	18040	
24329.955	4109.1522	13080		24343.906	4106.6453	17180		24358.156	4104.2428	15080	
24329.150	4109.1342	14480		24344.071	4106.5978	15280		24358.351	4104.2108	13780	
24329.485	4109.0799	12580		24344.401	4106.5474	9480		24358.584	4104.1873	12680	
24329.088	4109.0453	12280	32193 6	24344.601	4106.5044	14780		24358.846	4104.1603	16380	
24329.800	4108.9949	13080		24344.864	4106.4537	12480		24359.110	4104.1158	10680	
24330.504	4108.9071	10480		24345.026	4106.4052	14980	36107 4	24359.271	4104.0788	24140	34706 9
24330.970	4108.8793	13180		24345.462	4106.3623	35540	26094 6	24359.514	4104.0539	42340	1
24330.745	4108.8600	12080		24345.986	4106.2777	36240		24359.714	4103.9804	33640	26228 3
24330.992	4108.8251	10280		24346.271	4106.2464	14280		24359.977	4103.9361	13190	
24331.074	4108.8113	12580		24346.402	4106.2223	14480		24360.233	4103.8828	23640	
24331.249	4108.7816	10980	34071 4	24346.536	4106.2018	16480	33972 6	24360.524	4103.8608	15580	34767 7
24331.433	4108.7508	17480		24346.755	4106.1749	14280		24360.828	4103.8432	14440	
24331.635	4108.6827	25240		24347.134	4106.1405	17140		24361.096	4103.8148	14980	
24332.424	4108.5249	10480		24347.471	4106.0948	13580		24361.388	4103.7983	12080	
24332.764	4108.4817	10480		24347.820	4106.0481	15780		24361.685	4103.7684	18640	
24333.024	4108.4617	22040	31498 3	24347.883	4106.0244	13780		24361.953	4103.7349	18180	
24333.195	4108.4531	14780		24348.035	4105.9498	10280		24362.144	4103.7028	13580	
24333.597	4108.4130	15180		24348.181	4105.9253	16580		24362.358	4103.6532	14880	
24333.789	4108.3528	37146	24333 7	24348.324	4105.8979	20440		24362.478	4103.6147	17140	
24333.949	4108.3211	16780		24348.524	4105.8664	17980	33104 6	24362.639	4103.4876	15440	
24334.205	4108.2823	14480		24348.755	4105.8279	12700		24362.808	4103.4591	11480	
24334.352	4108.2574	11780		24349.097	4105.7844	16940		24362.920	4103.4402	14680	
24334.478	4108.2027	10480	33213 3	24349.561	4105.6915	16640		24362.970	4103.4319	15580	

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
24303.073	4103.4146	12980	24377.000	4101.0701	19640	24395.560	4097.9500	22440
24303.623	4103.3556	12980	24377.715	4100.9439	9500	24395.723	4097.9226	16580
24303.694	4103.3094	10900	24377.974	4100.9000	17440	24395.965	4097.8785	26850
24303.781	4103.2927	11780	24378.841	4100.7994	12260	24396.322	4097.8219	6450
24304.247	4103.2191	11800	24378.862	4100.7598	17040	24396.785	4097.7442	37040
24304.342	4103.1923	17500	24379.677	4100.6197	10780	24396.974	4097.7124	16450
24304.663	4103.1130	36550	24380.039	4100.5555	12180	24397.101	4097.6911	15680
24305.241	4103.0493	22190	24380.208	4100.5304	16440	24397.200	4097.6746	13780
24305.615	4103.0203	11940	24380.500	4100.4813	15260	24397.259	4097.6644	10360
24305.584	4102.9917	11470	24380.673	4100.4523	16540	24397.591	4097.6087	10360
24306.321	4102.8674	21540	24380.972	4100.4108	10280	24397.756	4097.5811	9900
24306.651	4102.8119	13180	24381.080	4100.3837	16440	24398.003	4097.5397	10680
24306.794	4102.7873	17240	24381.234	4100.3579	6300	24398.266	4097.4955	17080
24307.509	4102.6539	27440	24381.787	4100.2640	13480	24398.345	4097.4822	17180
24307.749	4102.6232	9400	24382.333	4100.2732	9480	24398.479	4097.4597	12480
24308.152	4102.5593	8280	24382.333	4100.2732	12680	24398.622	4097.4356	15080
24308.224	4102.5682	11970	24382.950	4100.1932	20440	24398.841	4097.3989	23840
24308.993	4102.4908	28940	24382.764	4100.1107	9780	24399.124	4097.3514	12880
24309.666	4102.4235	17340	24382.903	4100.0772	11080	24399.364	4097.3111	23840
24309.728	4102.3613	19740	24383.121	4100.0406	10580	24399.693	4097.2559	11780
24309.728	4102.3613	19740	24383.426	4099.9893	10380	24399.854	4097.2208	8680
24309.995	4102.2994	13680	24383.440	4099.9534	11520	24400.021	4097.2008	13380
24309.781	4102.2850	13880	24383.784	4099.9291	23240	24400.036	4097.1310	11380
24309.980	4102.2513	13880	24383.985	4099.8952	11380	24400.021	4097.1000	13980
24370.201	4102.2143	16440	24384.198	4099.8594	15380	24400.090	4097.0884	12580
24370.377	4102.1847	15880	24384.615	4099.8231	18940	24400.077	4097.0570	12980
24370.591	4102.1486	24340	24385.507	4099.6795	12780	24400.553	4097.0443	17280
24370.621	4102.1103	10480	24385.333	4099.5886	11480	24401.147	4097.0114	10680
24371.114	4102.0687	12580	24386.120	4099.5398	13880	24401.209	4097.0012	11280
24371.624	4102.0093	10580	24386.375	4099.5053	15780	24401.294	4096.9744	9880
24371.570	4101.9621	11880	24386.917	4099.4598	13108	24401.697	4096.9344	9880
24371.718	4101.9599	18640	24386.988	4099.4038	17240	24401.726	4096.9144	19180
24372.537	4101.9032	36942	24387.044	4099.3777	10680	24402.033	4096.8929	14680
24372.722	4101.8740	16480	24387.329	4099.3330	16580	24402.131	4096.8515	9380
24372.350	4101.8525	13440	24387.411	4099.3194	18180	24402.055	4096.7753	11080
24372.661	4101.8339	15040	24387.520	4099.3009	20040	24402.072	4096.7537	14680
24372.970	4101.8155	11140	24387.799	4099.2563	33740	24402.029	4096.7125	31240
24372.625	4101.7735	12480	24387.987	4099.2225	12480	24402.358	4096.6709	23140
24372.917	4101.7532	11900	24388.120	4099.2052	11480	24402.785	4096.6300	14680
24373.090	4101.7250	10880	24388.279	4099.1733	15480	24403.599	4096.5004	7180
24373.173	4101.7000	10880	24388.664	4099.1424	15040	24403.838	4096.5594	7180
24373.216	4101.6747	18900	24388.953	4099.1092	16040	24404.305	4096.4814	14380
24373.436	4101.6496	10740	24389.068	4099.0841	16800	24404.471	4096.4537	14380
24373.528	4101.6443	10800	24389.504	4099.0683	29540	24404.652	4096.4232	15380
24373.602	4101.6082	14980	24389.713	4099.0324	14880	24404.769	4096.4036	18380
24373.997	4101.5754	9140	24390.009	4099.0000	12780	24405.067	4096.3503	36940
24376.065	4101.5439	13080	24391.758	4098.9807	10180	24405.065	4096.3203	16240
24374.191	4101.5427	8760	24393.384	4098.9152	12780	24405.395	4096.2985	13580
24374.504	4101.4765	15440	24393.524	4098.8790	16780	24405.619	4096.2610	14480
24374.720	4101.4537	13880	24393.688	4098.8250	22440	24406.024	4096.1930	11380
24375.084	4101.4059	16840	24393.988	4098.7563	23740	24406.259	4096.1703	20640
24375.274	4101.3865	14880	24394.149	4098.7288	12580	24406.451	4096.1213	13980
24375.680	4101.3481	10580	24394.319	4098.6988	12580	24406.615	4096.0798	9780
24375.720	4101.2853	10580	24394.519	4098.6787	21880	24406.756	4096.0701	21680
24376.016	4101.2337	17380	24394.731	4098.6082	24240	24406.901	4096.0452	21440
24376.376	4101.1717	18880	24395.057	4098.5285	30140	24407.119	4096.0052	25480
24376.915	4101.0846	15780	24395.457	4098.4672	28840	24407.334	4095.9553	14680

SIGMA	ML	I PS	CLASSIFICATION ION	SIGMA	ML	I PS	CLASSIFICATION ION	SIGMA	ML	I PS	CLASSIFICATION ION
24408.547	4095.1696	30440	30691 5 4203 6 82	24422.980	4093.4162	10480		24436.676	4091.0549	11980	
24409.664	4095.1759	11940	2	24423.115	4093.3432	14260		24436.761	4091.0408	10680	31442 5 7005 6 1
24409.050	4095.6691	13480		24423.181	4093.3156	10480	30872 6 6249 6 1	24436.876	4091.0213	10680	
24409.344	4095.6357	14480		24423.566	4093.2542	10380		24437.343	4090.9432	13180	
24409.483	4095.6125	13680		24423.601	4093.2114	10440		24437.517	4090.9043	21440	36070 6 11633 5 1
24409.719	4095.5730	25240	20936 W 5926 6 2	24423.905	4093.1940	12680		24437.977	4090.8639	9380	
24409.888	4095.5445	12780		24424.077	4093.1267	15780		24438.287	4090.7851	10740	
24410.054	4095.5163	9680		24424.295	4093.1042	13780	32288 6 7864 5 1	24438.512	4090.7386	25440	30687 6 6249 6 11
24410.210	4095.4905	12480		24424.584	4093.0863	16480		24438.545	4090.7047	10580	
24410.370	4095.4602	12980		24425.092	4092.9951	11780		24439.524	4090.5614	8980	
24410.645	4095.4354	18580		24425.478	4092.9385	9080		24439.726	4090.5442	10380	
24410.834	4095.4098	11380		24425.789	4092.8744	4908		24439.906	4090.5182	13180	
24410.974	4095.3821	15980		24426.083	4092.8280	13480		24440.377	4090.4353	13180	
24411.270	4095.3127	15980		24426.326	4092.7883	9880		24440.452	4090.4228	14980	
24411.474	4095.2787	18740		24426.491	4092.7577	12680		24440.720	4090.3779	10640	28694 5 4453 4 11
24411.645	4095.2439	12140		24426.692	4092.7270	13740		24441.168	4090.3029	17080	30203 4 5762 5 1
24412.137	4095.1872	12480		24426.921	4092.7054	17680		24441.323	4090.2770	17980	32574 5 8133 4 1
24412.277	4095.1637	17140		24427.035	4092.6694	9680		24441.573	4090.2351	17780	
24412.474	4095.1397	22940		24427.321	4092.6511	14780		24441.688	4090.2158	15980	
24412.645	4095.0753	11480	1	24428.429	4092.4541	14780		24442.190	4090.1319	16240	26191 6 1749 6 22
24413.032	4095.0131	13480	32546 3 8133 4 1	24428.629	4092.4359	17480		24442.377	4090.1095	21780	
24413.184	4094.9913	10580		24429.561	4092.4172	11780		24442.504	4090.0794	17880	
24413.783	4094.9418	10580		24429.952	4092.3544	17280		24442.597	4090.0638	16480	
24413.786	4094.9205	30240		24429.135	4092.3177	17340		24442.858	4090.0205	18080	
24413.974	4094.8990	20240	2	24429.285	4092.2928	22040		24442.982	4090.0094	12880	35128 7 10685 8 1
24414.350	4094.8901	21840		24429.427	4092.2648	16280		24443.171	4090.0676	12480	
24414.555	4094.8618	9340		24429.871	4092.1943	24240	31435 7 7805 6 11	24443.309	4090.0446	10680	32307 4 7066 5 1
24414.674	4094.8409	12480		24430.054	4092.1638	10480		24443.792	4090.0639	4280	
24414.913	4094.7915	13980		24430.276	4092.1246	11080		24444.018	4090.0260	13180	
24415.044	4094.6721	24740	30860 5 6445 4 2	24430.491	4092.0905	13480		24444.125	4090.0091	5980	
24415.280	4094.6401	14680		24431.174	4091.9742	14980		24444.597	4090.0292	16740	30435 5 5091 4 11
24415.464	4094.6098	21740		24431.380	4091.9416	17440		24444.939	4090.0719	12480	
24415.520	4094.5908	20680	35960 4 11544 6 2	24431.606	4091.9223	11480		24445.102	4090.0446	17140	
24415.793	4094.5543	13980		24432.023	4091.8730	24540		24445.315	4090.0090	10940	
24416.019	4094.5161	15480	30407 4 5991 4 1	24432.175	4091.8083	11580		24445.440	4090.0090	10680	
24416.210	4094.4849	14880		24432.363	4091.8093	4980		24445.732	4090.0093	10880	
24416.492	4094.4591	14880		24432.486	4091.7564	10780		24446.207	4090.0597	11880	
24416.682	4094.4311	9240		24432.657	4091.7278	15380		24446.331	4090.0390	13780	
24416.844	4094.3807	13580		24432.785	4091.7043	15480		24446.563	4090.0399	12680	
24417.044	4094.3507	13580		24433.194	4091.6379	34480		24446.776	4090.0090	26540	
24417.550	4094.2594	10680		24433.256	4091.6275	37480		24447.143	4090.0332	10380	1
24417.821	4094.2138	16080		24433.452	4091.5946	24880		24447.393	4090.0215	10780	
24418.393	4094.1179	13140		24433.652	4091.5748	17480		24447.559	4090.0336	9780	
24418.777	4094.0536	24440	32537 7 8118 7 11	24433.876	4091.5748	17480		24447.988	4090.1952	44480	
24419.003	4093.9705	27140		24434.054	4091.5508	17340		24448.031	4090.1517	34940	24468 5 0 6 11
24419.153	4093.9406	14480		24434.244	4091.5341	14940	2	24448.516	4090.1234	13980	
24419.294	4093.9166	14480	34767 7 10288 6 11	24434.414	4091.5146	12680		24448.559	4090.0909	12580	
24419.495	4093.8807	14380		24434.584	4091.4946	14040		24448.822	4090.0726	19080	
24419.833	4093.8766	17780		24434.981	4091.3598	14040		24448.783	4090.0250	11740	
24420.191	4093.8768	16380		24435.022	4091.3317	12480		24449.085	4090.0764	11540	
24420.351	4093.8595	11680		24435.184	4091.3080	21240		24449.278	4090.0090	14380	
24420.640	4093.8177	10480		24435.359	4091.2752	21540		24449.631	4090.0571	14080	
24421.064	4093.8098	16440		24435.751	4091.2597	14880		24449.897	4090.0090	28140	
24421.216	4093.8030	13280		24435.957	4091.1919	16880		24449.070	4090.0136	16480	
24421.399	4093.8152	17440		24435.962	4091.1746	15480		24450.198	4090.0723	15480	
24421.519	4093.8276	15180	35879 6 11457 6 1	24436.136	4091.1463	10780		24450.330	4090.1757	9280	
24421.997	4093.8139	10240	26716 6 2894 5 2	24436.333	4091.1133	8750		24450.806	4090.0728	17540	
24422.438	4093.8398	14680	35881 3 11558 4 1	24436.478	4091.0880	12480		24451.001	4090.0590	13180	



SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
2445.936	401.3245	17780	2450.872	409.0035	12080	2452.518	407A.0412	15280
2445.821	401.5135	21480	2450.117	407B.0627	24240	2452.767	407A.3931	13780
2445.588	401.1170	33240	2450.166	407B.0512	19480	2452.896	407A.3143	10480
2445.799	401.1805	18580	2450.930	407B.0678	13780	2452.028	407A.3164	14580
2446.030	401.1420	22740	2450.687	407B.0678	9480	2452.360	407A.2811	12380
2446.564	401.0526	20980	2450.930	407B.0678	25440	2452.514	407A.2356	15080
2449.659	401.0371	20940	2451.027	407B.7779	15280	2452.587	407A.2234	14880
2449.863	401.0031	10480	2451.348	407B.7579	13080	2452.652	407A.2126	15680
2449.079	400.9673	9480	2451.601	407A.7158	9880	2452.962	407A.1612	10680
2449.272	400.9351	20440	2451.505	407A.6550	9880	2452.295	407A.1074	25240
2449.377	400.9176	17500	2451.248	407B.6080	12780	2452.612	407A.0697	12280
2449.537	400.8908	17780	2451.365	407B.5887	13480	2452.659	407A.0503	12680
2449.714	400.8614	15080	2451.957	407B.5400	16042	2452.932	407B.9999	21240
2449.571	400.8346	13880	2451.961	407B.4911	13080	2452.250	407A.8471	11180
2449.780	400.8205	12380	2451.113	407B.3725	5780	2452.350	407A.8249	16180
2449.078	400.7974	6480	2451.643	407B.3725	5780	2452.512	407A.8436	34340
2449.281	400.7669	11980	2451.817	407B.3479	9780	2452.787	407B.8578	12980
2449.447	400.7393	13280	2451.280	407B.2700	13380	2452.984	407A.8417	10480
2449.628	400.7042	14780	2451.335	407B.2443	13280	2452.010	407B.8207	11280
2449.847	400.6693	16780	2451.551	407B.2246	14340	2452.320	407B.7693	15580
2449.943	400.6493	22440	2451.631	407B.2116	14440	2452.486	407B.7421	14440
2449.254	400.6044	31940	2451.771	407B.1942	15380	2452.728	407B.7014	11680
2449.563	400.5534	23780	2451.648	407B.1822	23740	2452.871	407B.6778	18580
2449.812	400.5119	15280	2451.365	407B.0935	10980	2452.019	407B.6531	20440
2450.017	400.4778	15580	2451.582	407B.0535	14440	2452.210	407B.6214	11680
2450.134	400.4593	10380	2451.809	407B.0056	13180	2452.513	407B.5066	16280
2450.534	400.3910	13480	2451.967	407B.9195	13480	2452.052	407B.4816	28140
2450.118	400.3645	19780	2451.502	407B.8471	13380	2453.052	407B.4897	11680
2450.1291	400.3657	10980	2451.991	407B.8505	15060	2453.053	407B.4897	11680
2450.452	400.3366	10480	2451.198	407B.7849	30240	2453.743	407B.3663	7380
2450.1673	400.2026	12080	2451.623	407B.7471	14380	2453.956	407B.3313	9980
2450.2113	400.1288	16680	2451.596	407B.7143	13380	2453.088	407B.3193	9080
2450.2392	400.0823	11880	2451.872	407B.6725	14480	2453.100	407B.2575	15980
2450.2806	400.0128	31440	2451.134	407B.6283	15180	2453.1702	407B.2073	15280
2450.3002	409.9808	11180	2451.270	407B.6064	24040	24532.024	407B.1539	14980
2450.3158	409.9549	61780	2451.750	407B.5614	12980	24532.510	407B.0732	23240
2450.3241	409.9409	12780	2451.645	407B.5479	14980	24533.783	407B.7679	13180
2450.3371	409.9190	13240	2451.828	407B.4817	11280	24533.993	407A.9645	12180
2450.3222	409.8943	10544	2451.600	407B.4117	11280	24533.065	407A.9842	13880
2450.016	409.8119	27840	2451.509	407B.3936	14980	24533.287	407A.8424	11880
2450.487	409.7334	14280	2451.815	407B.3629	7480	24533.874	407A.8632	25840
2450.663	409.7042	14170	2451.935	407B.2829	7480	24533.147	407A.8012	11780
2450.791	409.6829	25040	2451.926	407B.1979	19480	24533.308	407A.7746	12280
2450.031	409.6628	17780	2452.000	407B.1460	10880	24533.400	407A.7591	14680
2450.5739	409.5250	15140	2452.105	407B.9586	10880	24533.585	407A.7286	15580
2450.628	409.5102	13480	2452.366	407B.9251	16540	24533.109	407A.6550	17880
2450.6114	409.4626	11780	2452.148	407B.8213	12380	24533.278	407A.6134	35040
2450.6381	409.4131	12280	2452.803	407B.8524	12880	24533.595	407A.5625	17780
2450.6580	409.3835	16080	2452.374	407B.7743	13380	24533.865	407A.5159	19380
2450.6764	409.3543	16080	2452.577	407B.7404	20180	24533.054	407A.4845	34140
2450.6901	409.3316	10980	2452.701	407B.7032	10480	24533.267	407A.4525	32340
2450.7017	409.3122	11780	2452.785	407B.6876	38540	24533.564	407A.4181	16580
2450.7232	409.2746	12580	2452.941	407B.6214	39340	24533.078	407A.3144	19780
2450.7463	409.2083	13840	2452.389	407B.5589	17480	24533.212	407A.2823	12680
2450.7440	409.1753	22840	2452.662	407B.4969	13080	24533.593	407A.2339	28840
2450.8289	409.1605	14080	2452.942	407B.4342	19680	24533.868	407A.1899	10880
2450.8427	409.0775	21140	2452.187	407B.4542	19680	24533.985	407A.1872	9580
2450.6736	409.0261	12780	2452.315	407B.4342	30240	24533.106	407A.1437	12980





SIGMA	WL	I PS CLASSIFICATION IOM	SIGMA	WL	I PS CLASSIFICATION IOM	SIGMA	WL	I PS CLASSIFICATION IOM
24571.803	4046.9432	11240	24591.076	4045.5332	17140	24591.076	4045.5332	17140
24572.051	4046.9155	10440	24591.176	4045.5166	14740	24591.176	4045.5166	14740
24572.194	4046.9047	14740	24591.670	4045.4680	11840	24591.670	4045.4680	11840
24572.384	4046.8901	10040	24591.510	4045.4504	11040	24591.510	4045.4504	11040
24572.636	4046.8753	11040	24591.607	4045.4453	11740	24591.607	4045.4453	11740
24572.886	4046.8722	28400	24591.668	4045.4328	11400	24591.668	4045.4328	11400
24573.077	4046.8666	12440	24591.743	4045.4228	8004	24591.743	4045.4228	8004
24573.210	4046.8632	4540	24591.872	4045.4115	12008	24591.872	4045.4115	12008
24573.453	4046.8590	18740	24591.948	4045.3899	19140	24591.948	4045.3899	19140
24573.551	4046.8555	12040	24591.013	4045.3781	14100	24591.013	4045.3781	14100
24573.620	4046.8532	12040	24591.146	4045.3545	17040	24591.146	4045.3545	17040
24573.720	4046.8537	11140	24591.168	4045.3228	11940	24591.168	4045.3228	11940
24573.922	4046.8507	13040	24591.486	4045.3000	25740	24591.486	4045.3000	25740
24574.000	4046.8490	14104	24591.572	4045.2857	13004	24591.572	4045.2857	13004
24574.144	4046.8469	11140	24591.734	4045.2590	16840	24591.734	4045.2590	16840
24574.234	4046.8468	17808	24591.822	4045.2465	12700	24591.822	4045.2465	12700
24574.374	4046.8465	12440	24591.922	4045.2372	11140	24591.922	4045.2372	11140
24574.446	4046.8464	13740	24592.025	4045.1761	20440	24592.025	4045.1761	20440
24574.549	4046.8461	11740	24592.462	4045.1387	11440	24592.462	4045.1387	11440
24574.722	4046.8432	14140	24592.768	4045.0880	11140	24592.768	4045.0880	11140
24574.874	4046.8419	16440	24593.256	4045.0073	19240	24593.256	4045.0073	19240
24574.969	4046.8360	19440	24593.569	4044.9556	16440	24593.569	4044.9556	16440
24575.214	4046.8318	12740	24593.663	4044.9401	10900	24593.663	4044.9401	10900
24575.374	4046.8292	20440	24593.881	4044.9040	14940	24593.881	4044.9040	14940
24575.508	4046.8281	17340	24593.974	4044.8887	12100	24593.974	4044.8887	12100
24575.621	4046.8261	15440	24594.151	4044.8594	16440	24594.151	4044.8594	16440
24575.757	4046.8245	9004	24594.513	4044.7894	13140	24594.513	4044.7894	13140
24575.809	4046.8245	10840	24594.042	4044.7254	10840	24594.042	4044.7254	10840
24576.090	4046.8247	9740	24595.120	4044.6493	11040	24595.120	4044.6493	11040
24576.318	4046.8247	20040	24595.373	4044.6074	11840	24595.373	4044.6074	11840
24576.513	4046.8247	16004	24595.740	4044.5576	13840	24595.740	4044.5576	13840
24576.730	4046.8247	24040	24595.922	4044.5608	9140	24595.922	4044.5608	9140
24576.970	4046.8247	13040	24595.766	4044.5493	12700	24595.766	4044.5493	12700
24577.060	4046.8247	14004	24595.965	4044.5161	14740	24595.965	4044.5161	14740
24577.131	4046.8245	16440	24596.229	4044.4643	11000	24596.229	4044.4643	11000
24577.519	4046.8103	12840	24596.447	4044.4443	11000	24596.447	4044.4443	11000
24577.607	4046.8058	8440	24596.733	4044.4327	14740	24596.733	4044.4327	14740
24577.751	4046.8019	8004	24596.843	4044.4112	15240	24596.843	4044.4112	15240
24577.999	4046.8017	15240	24597.081	4044.3752	32240	24597.081	4044.3752	32240
24578.154	4046.8017	15240	24597.273	4044.3435	14440	24597.273	4044.3435	14440
24578.410	4046.8017	15240	24597.473	4044.3105	14540	24597.473	4044.3105	14540
24578.513	4046.8017	16240	24597.547	4044.2983	14100	24597.547	4044.2983	14100
24578.604	4046.8017	16240	24597.720	4044.2697	30440	24597.720	4044.2697	30440
24578.713	4046.8017	16240	24598.011	4044.2215	13000	24598.011	4044.2215	13000
24578.804	4046.8017	11004	24598.129	4044.2023	16240	24598.129	4044.2023	16240
24578.904	4046.8017	11004	24598.237	4044.1843	27440	24598.237	4044.1843	27440
24579.074	4046.8017	14840	24598.325	4044.1686	27440	24598.325	4044.1686	27440
24579.189	4046.8017	19440	24598.403	4044.1568	29740	24598.403	4044.1568	29740
24579.372	4046.8017	19440	24598.468	4044.1411	18640	24598.468	4044.1411	18640
24579.416	4046.8017	22440	24598.549	4044.1328	16200	24598.549	4044.1328	16200
24579.534	4046.8017	27640	24598.621	4044.1208	13500	24598.621	4044.1208	13500
24579.794	4046.8017	19740	24598.745	4044.1004	11640	24598.745	4044.1004	11640
24580.023	4046.8017	29540	24598.840	4044.0866	14040	24598.840	4044.0866	14040
24580.158	4046.8017	17340	24598.992	4044.0595	12600	24598.992	4044.0595	12600
24580.234	4046.8017	19704	24599.057	4044.0487	12000	24599.057	4044.0487	12000
24580.324	4046.8017	16504	24599.224	4044.0211	31440	24599.224	4044.0211	31440
24580.433	4046.8017	14504	24599.316	4044.0048	18000	24599.316	4044.0048	18000
24580.511	4046.8017	12840	24599.396	4043.9827	13000	24599.396	4043.9827	13000
24580.734	4046.8017	28140	24599.467	4043.9740	10240	24599.467	4043.9740	10240
24580.810	4046.8017	17204	24599.646	4043.9518	9300	24599.646	4043.9518	9300





SIGMA	ML	I <sup>NS</sup> CLASSIFICATION ION	SIGMA	ML	I <sup>PS</sup> CLASSIFICATION ION	SIGMA	ML	I <sup>PS</sup> CLASSIFICATION ION
24658.379	4054.2715	15040	24668.235	4052.6516	11940	24677.291	4051.1659	16480
24659.474	4054.2395	19740	24669.496	4052.4103	30140	24677.362	4051.1527	20140
24659.590	4054.2367	21640	24669.672	4052.4798	16840	24677.457	4051.1420	19940
24659.658	4054.2257	19640	24669.852	4052.5502	10440	24677.526	4051.1257	14440
24659.800	4054.2022	9180	24669.989	4052.6310	12040	24677.623	4051.1081	13140
24659.904	4054.1846	14440	24669.952	4052.6440	19140	24677.805	4051.0800	30240
24659.971	4054.1244	13940	24669.815	4052.6576	17760	24678.001	4051.0478	11040
24659.953	4054.09.9	10440	24669.568	4052.6326	24740	24678.153	4051.0228	7260
24659.920	4054.067.7	11140	24669.656	4052.6141	16260	24678.275	4051.0027	10740
24659.683	4054.0571	10940	24669.921	4052.6745	9940	24678.404	4050.9816	15740
24659.913	4054.0193	11640	24670.103	4052.6447	11440	24678.486	4050.9690	16740
24660.035	4053.9991	14040	24670.161	4052.6351	10780	24678.707	4050.9316	23040
24660.214	4053.9694	12340	24670.233	4052.6233	11980	24678.836	4050.9107	15340
24660.393	4053.9493	10140	24670.304	4052.6117	15440	24678.974	4050.8861	13840
24660.559	4053.9131	16040	24670.731	4052.6415	14980	24679.375	4050.8221	12140
24660.659	4053.8967	20440	24670.870	4052.6187	10740	24679.579	4050.7888	11340
24661.099	4053.8242	12140	24671.392	4052.6330	19540	24679.671	4050.7736	14740
24661.734	4053.8833	12180	24671.436	4052.6257	19440	24679.955	4050.7271	13040
24661.308	4053.7900	13740	24671.489	4052.6171	17500	24680.091	4050.7048	13940
24661.365	4053.7806	15240	24671.712	4052.6804	37140	24680.647	4050.6134	9680
24661.641	4053.7352	10440	24671.796	4052.6667	6160	24680.765	4050.5941	7460
24661.702	4053.7252	8460	24671.985	4052.6521	17360	24681.019	4050.5474	9240
24662.217	4053.6578	13540	24671.958	4052.6461	24540	24681.200	4050.5226	16540
24662.554	4053.6174	11740	24672.030	4052.6282	15360	24681.355	4050.4973	11540
24662.513	4053.5919	11740	24672.153	4052.6120	11140	24681.838	4050.4180	18340
24662.588	4053.5795	18660	24672.426	4051.9916	10760	24682.248	4050.3475	26440
24663.665	4053.5608	27640	24672.595	4051.9370	20140	24682.431	4050.3107	12040
24663.842	4053.5378	10740	24672.744	4051.9109	34640	24682.657	4050.2836	28440
24663.101	4053.4952	10380	24672.932	4051.8680	17140	24682.931	4050.2387	19340
24663.214	4053.4766	14440	24673.063	4051.8546	13640	24683.022	4050.2236	11340
24663.259	4053.4692	16740	24673.148	4051.8446	12440	24683.258	4050.1850	18200
24663.571	4053.4180	11140	24673.223	4051.8322	10440	24683.435	4050.1558	16740
24663.709	4053.3953	14240	24673.458	4051.7937	10360	24683.518	4050.1424	18240
24664.014	4053.3452	13240	24673.597	4051.7708	10360	24683.653	4050.1202	31140
24664.219	4053.3115	27340	24673.834	4051.7320	29240	24683.798	4050.0963	27540
24664.389	4053.2835	13440	24673.812	4051.6862	17140	24683.972	4050.0806	23060
24664.431	4053.2733	14940	24674.218	4051.6695	23540	24684.133	4050.0613	34740
24664.514	4053.2623	13240	24674.285	4051.6578	17460	24684.320	4050.0306	21440
24664.662	4053.2367	15140	24674.390	4051.6423	11460	24684.461	4049.9976	16640
24664.945	4053.1889	10540	24674.773	4051.5777	10480	24684.539	4049.9748	15480
24665.056	4053.1739	10740	24674.908	4051.5556	28840	24684.610	4049.9631	21940
24665.193	4053.1530	9360	24675.043	4051.5335	11380	24684.734	4049.9394	13640
24665.285	4053.1364	12260	24675.283	4051.4939	12240	24684.864	4049.9215	18140
24665.372	4053.1220	18040	24675.447	4051.4604	10440	24684.922	4049.9120	16540
24665.434	4053.1118	16940	24675.553	4051.4496	6680	24685.057	4049.8898	11640
24665.765	4053.0574	14660	24675.716	4051.4229	12440	24685.136	4049.8768	13140
24665.992	4053.0202	33040	24675.845	4051.4229	10540	24685.237	4049.8602	16240
24666.174	4052.9902	3740	24675.822	4051.4216	10540	24685.325	4049.8426	11540
24666.312	4052.9676	13740	24676.189	4051.3453	25360	24685.551	4049.8067	18440
24666.588	4052.9255	14880	24676.273	4051.3314	17140	24685.760	4049.7744	32140
24666.751	4052.8953	31840	24676.341	4051.3204	12040	24685.931	4049.7432	15340
24666.864	4052.8804	16940	24676.514	4051.2919	10080	24686.196	4049.7029	23940
24667.137	4052.8319	18640	24676.687	4051.2634	14460	24686.380	4049.6727	11040
24667.349	4052.7972	32040	24676.761	4051.2512	21640	24686.471	4049.6578	18240
24667.546	4052.7648	11440	24676.909	4051.2270	31940	24686.595	4049.6375	15940
24667.727	4052.7351	17740	24676.982	4051.2150	21340	24686.908	4049.5861	9060
24668.078	4052.6773	14340	24677.090	4051.2022	12060	24687.033	4049.5656	11340
			24677.208	4051.1780	9440	24687.314	4049.5195	21340



SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION
24715.054	4044.9739	10890	24714.876	4043.3473	9480	24734.582	4041.7807	18540
24715.191	4044.9518	18740	24724.983	4043.3499	10740	24734.966	4041.7179	11940
24715.358	4044.9245	22640	24725.179	4043.3179	15628	24735.090	4041.6977	9440
24715.545	4044.8939	32040	24725.272	4043.3026	17640	24735.165	4041.6854	11340
			24725.394	4043.2845	17740	24735.467	4041.6351	13140
24715.737	4044.8624	14454	24725.708	4043.2711	13340	24735.560	4041.6226	15140
24715.849	4044.8462	19840	24726.002	4043.1913	14140	24735.629	4041.6096	12140
24715.929	4044.8166	9390	24726.008	4043.1875	16240	24735.744	4041.5905	10640
24716.568	4044.7266	11540	24726.098	4043.1875	16240	24735.983	4041.5518	22340
24716.661	4044.7113	11140	24726.200	4043.1341	19140	24736.051	4041.5406	14680
24716.721	4044.7015	12844	24726.361	4043.1245	17080	24736.216	4041.5136	6080
24716.810	4044.6870	9780	24726.442	4043.1112	22940	24736.398	4041.4840	11240
24717.070	4044.6444	18640	24726.555	4043.0929	12928	24736.474	4041.4715	16420
24717.362	4044.5945	18040	24726.614	4043.0831	10580	24736.538	4041.4611	16640
24717.455	4044.5814	16240	24726.702	4043.0547	9440	24736.619	4041.4478	8640
24717.677	4044.5450	19140	24726.996	4043.0207	9280	24736.756	4041.4239	11140
24717.732	4044.5160	18540	24727.567	4042.9274	13440	24736.838	4041.4120	10140
24717.988	4044.5823	15640	24727.954	4042.9137	12540	24736.943	4041.3749	13840
24717.988	4044.5823	15640	24727.724	4042.9017	11680	24737.073	4041.3737	12640
24718.139	4044.4894	15240	24727.874	4042.8772	12980	24737.219	4041.3407	11140
24718.491	4044.4119	33740	24727.877	4042.8636	16140	24737.290	4041.3382	10240
24718.749	4044.3663	23740	24728.035	4042.8506	14240	24737.620	4041.2882	9760
24718.948	4044.3370	19740	24728.230	4042.8177	25740	24737.754	4041.2824	9760
24719.101	4044.3121	14140	24728.439	4042.7848	27680	24737.981	4041.2254	20540
24719.204	4044.2948	13140	24728.483	4042.7775	29428	24738.086	4041.2092	12528
24719.364	4044.2686	19440	24728.655	4042.7485	31140	24738.197	4041.1900	13040
24719.537	4044.2407	10540	24728.738	4042.7195	25940	24738.323	4041.1695	8240
24719.632	4044.2251	9840	24728.991	4042.6845	30640	24738.503	4041.1401	10624
24719.758	4044.2046	10300	24729.144	4042.6494	15480	24738.668	4041.1132	23340
24719.891	4044.1824	17640	24729.187	4042.6425	15240	24738.809	4041.0700	12040
24719.950	4044.1731	17740	24729.273	4042.6244	15540	24738.879	4041.0477	13240
24720.031	4044.1599	13140	24729.377	4042.6114	15240	24739.027	4041.0545	17240
24720.230	4044.1558	12440	24729.482	4042.6142	13140	24739.091	4041.0440	20840
24720.388	4044.1015	18440	24729.613	4042.5929	10740	24739.166	4041.0318	12560
24720.776	4044.0375	19340	24729.692	4042.5799	9480	24739.312	4041.0079	20840
24720.865	4044.0184	20140	24729.846	4042.5514	12480	24739.366	4040.9901	18240
24721.037	4043.9953	8740	24730.002	4042.5282	13140	24739.450	4040.9853	10640
24721.193	4043.9698	15340	24730.093	4042.5144	16780	24739.610	4040.9266	14980
24721.395	4043.9467	15240	24730.290	4042.4821	17740	24739.667	4040.9173	18640
24721.544	4043.9123	13440	24730.427	4042.4597	29940	24740.139	4040.8729	11740
24721.598	4043.9034	11424	24730.656	4042.4323	27040	24740.241	4040.8496	13040
24721.700	4043.8848	13740	24730.839	4042.3824	11040	24740.452	4040.8217	11140
24721.785	4043.8734	10240	24731.138	4042.3616	25440	24740.529	4040.7511	16040
24721.862	4043.8603	18240	24731.351	4042.3088	17440	24740.682	4040.7515	29440
24722.045	4043.8303	19540	24731.495	4042.2852	20440	24740.682	4040.7515	29440
24722.116	4043.8188	11524	24731.682	4042.2547	14440	24741.070	4040.6922	33540
24722.189	4043.8058	10440	24731.862	4042.2252	12440	24741.245	4040.6522	33540
24722.257	4043.7957	9440	24732.261	4042.1600	17480	24741.432	4040.6616	10640
24722.273	4043.7812	10440	24732.326	4042.1493	11480	24741.516	4040.6479	15328
24722.785	4043.7093	9980	24732.612	4042.1354	13440	24741.613	4040.6291	19440
24722.916	4043.6879	9124	24732.747	4042.0960	19440	24741.773	4040.6060	17440
24722.989	4043.6743	10540	24732.892	4042.0549	11340	24741.838	4040.5903	11028
24723.110	4043.6562	10940	24733.037	4042.0337	16540	24742.011	4040.5677	11740
24723.143	4043.6425	9980	24733.241	4042.0048	20480	24742.071	4040.5572	14640
24723.632	4043.5708	9124	24733.368	4041.9757	9840	24742.071	4040.5572	14640
24723.703	4043.5592	13540	24733.548	4041.9494	13040	24742.229	4040.5317	11840
24723.921	4043.5213	13340	24733.852	4041.9000	22440	24742.229	4040.5317	11840
24724.421	4043.4617	11240	24734.017	4041.8750	12344	24742.595	4040.4884	9428
24724.709	4043.3946	9840	24734.186	4041.8594	10728	24742.642	4040.4641	11840
24724.811	4043.3780	11640	24734.350	4041.8188	9748	24742.760	4040.4448	15340

SIGMA	ML	I PS CLASSIFICATION	ION	SIGMA	ML	I PS CLASSIFICATION	ION	SIGMA	ML	I PS CLASSIFICATION	ION
26742.911	400.0201	5540	1	26752.034	4018.0308	7408		26760.674	4037.5214	1710	
26742.974	400.0201	5540		26752.187	4018.0308	7408		26760.842	4037.4942	1750	2003A 5 4275 6 1
26743.044	400.3961	5040		26752.244	4018.0333	1650		26760.924	4037.4608	1640	
26743.394	400.3912	1370		26752.408	4018.0408	5408		26761.123	4037.4943	1500	
26743.510	400.3228	2610		26752.505	4018.0540	1740		26761.179	4037.4392	1950	
26743.730	400.2843	1810		26752.765	4018.0693	2580		26761.250	4037.4275	1940	
26743.807	400.2738	1290		26752.948	4018.0773	1900		26761.361	4037.4128	1180	
26743.977	400.2441	1700	3000 5 6249 6 11	26753.035	4018.0785	1640		26761.474	4037.3968	1120	
26744.000	400.2084	1050		26753.266	4018.0788	1830		26761.615	4037.3680	1660	
26744.339	400.1869	1030		26753.349	4018.1144	2270		26761.770	4037.3428	1160	1
26744.583	400.1471	1200		26753.612	4018.1040	2010		26761.890	4037.3232	1730	
26744.760	400.1132	1170		26753.582	4018.0794	1430		26761.983	4037.3080	1210	
26744.854	400.1029	1600		26753.755	4018.0500	940		26762.195	4037.2735	1780	
26744.924	400.0747	4720		26754.002	4018.0698	1040		26762.348	4037.2452	1600	
26745.249	400.0394	2080		26754.167	4018.0841	2710		26762.452	4037.2315	1000	
26745.221	400.0248	1540		26754.357	4018.0518	2740		26762.498	4037.1830	1200	
26745.507	400.0125	890		26754.522	4018.0613	2140		26762.735	4037.1832	1690	
26745.583	400.0087	1060		26754.597	4018.0274	1740		26762.850	4037.1014	2310	
26745.647	400.0033	1840		26754.894	4018.0698	1970		26763.360	4037.0834	1840	
26745.819	400.0433	1040	3000 6 6249 6 1	26754.912	4018.0616	1920		26763.593	4037.0456	1640	
26745.953	400.0236	930		26755.192	4018.0172	1720		26763.771	4037.0166	2110	
26746.021	400.0123	1040		26755.258	4018.0049	1400		26763.973	4034.9838	1380	
26746.107	400.0093	1510		26755.309	4018.0945	1680		26764.226	4034.9423	1250	
26746.158	400.0089	1540		26755.374	4018.0697	1200		26764.451	4034.9056	2310	
26746.245	400.0725	1170		26755.524	4018.0451	2740	7500 5 2	26764.534	4034.8921	1870	
26746.295	400.0607	1000		26755.690	4018.0330	1740		26764.609	4034.8653	3210	
26746.428	400.0450	970		26755.804	4018.0147	1150		26764.749	4034.8539	2510	1
26746.644	400.0108	2140		26755.849	4018.0595	920		26764.898	4034.8328	2100	
26746.802	400.0078	2970	32302 6 7405 6 11	26756.204	4018.0374	1240		26765.088	4034.8021	2540	
26747.045	400.0235	3140		26756.397	4018.0105	1190		26765.251	4034.7590	1930	
26747.147	400.0285	1910		26756.481	4018.1572	2420		26765.556	4034.7211	3040	2003A 7 3000 7 11
26747.351	400.0451	7430		26756.76	4018.1572	3300		26765.732	4034.6948	1270	
26747.440	400.0006	1690		26756.942	4018.1302	1720		26765.880	4034.6713	2640	
26747.725	400.0341	2150		26757.105	4018.1035	1070		26766.043	4034.6429	1150	
26747.854	400.0465	1400		26757.335	4018.0334	1450		26766.332	4034.6165	2740	
26748.202	400.0542	1900		26757.532	4018.0095	1500		26766.588	4034.5900	1500	3000 8 2 10103 1 1
26748.300	400.0403	900		26757.743	4017.9842	1540		26766.825	4034.5736	1270	
26748.659	400.0141	1040		26757.823	4017.9642	1540		26767.044	4034.5645	1250	
26748.679	400.0078	2010		26757.938	4017.9478	2260		26767.613	4034.5208	2340	
26748.749	400.0066	1310		26758.009	4017.9541	2590		26767.908	4034.5052	1900	
26748.884	400.0041	1840		26758.124	4017.9370	1740		26768.032	4034.4952	1840	
26749.014	400.0028	1840	30511 4 5702 5 1	26758.204	4017.9230	1940		26768.114	4034.4716	1170	
26749.171	400.0013	1470		26758.291	4017.9101	1570		26768.255	4034.4627	2140	
26749.271	400.0018	1230		26758.375	4017.8965	1140		26768.443	4034.4315	1610	
26749.404	400.0355	1300		26758.498	4017.8743	1480		26768.643	4034.3971	1640	
26749.607	400.0249	1010		26758.602	4017.8546	1970		26768.871	4034.3711	1640	
26749.674	400.0311	1240		26758.691	4017.8449	2040	36827 7 1000 7 1	26769.000	4034.3635	980	2
26749.774	400.0097	1090		26758.798	4017.8275	2310	280 5 2	26769.052	4034.3350	950	
26749.854	400.0284	1600		26758.912	4017.7926	1720		26769.477	4034.2169	940	
26750.104	400.2459	1640		26759.050	4017.7836	1510		26769.677	4034.2169	940	
26750.384	400.2128	1190	3500 5 10200 6 1	26759.114	4017.6780	2310	38550 5 5700 3 2	26769.887	4034.1957	1640	
26750.550	400.2057	1230		26759.086	4017.6271	1100		26769.903	4034.1900	1080	
26750.529	400.1745	1370		26759.957	4017.6384	1600		26769.945	4034.1667	1520	
26750.944	400.1404	2170		26759.820	4017.6202	1800		26769.932	4034.1644	1520	
26751.079	400.0808	2190	32015 6 7004 5 1	26759.874	4017.6149	1840		26769.918	4034.1333	1230	1
26751.181	400.0647	2430		26759.833	4017.6041	1200		26769.867	4034.1241	1210	
26751.298	400.0408	1930		26759.804	4017.5941	1130		26769.858	4034.1063	1950	
26751.323	400.0128	2510	28020 4 3000 5 11	26759.812	4017.5806	1260		26769.847	4034.0902	1940	
26751.365	400.0047	2110		26759.871	4017.5710	1940		26769.856	4034.0740	1680	
26751.612	400.0071	1840		26759.953	4017.5613	1360		26769.874	4034.0655	1190	





SIGMA	ML	I PS CLASSIFICATION IOM	SIGMA	ML	I PS CLASSIFICATION IOM	SIGMA	ML	I PS CLASSIFICATION IOM
24800.274	4010.0737	151CA	24800.486	4020.8775	116C7	24818.917	4025.0663	164A0
24800.432	4011.0488	120A0	24800.578	4025.8627	111C7	24819.174	4025.0663	164A0
24800.733	4016.9698	121A0	24800.880	4026.4137	132A0	24819.327	4027.9794	099A0
24800.790	4030.3905	118A0	24810.044	4026.9837	202A0	24819.410	4027.9502	154A0
24800.948	4030.9484	115A0	24810.745	4026.8521	062C8	24819.890	4027.8901	133A0
24801.178	4030.9460	117C8	24810.933	4029.4400	102C8	24820.075	4027.8265	208A0
24801.180	4030.9272	130A0	24810.419	4029.4261	131A0	24820.187	4027.8390	150A0
24801.376	4030.8755	126A0	24810.578	4029.4003	131A0	24820.373	4027.8100	303A0
24801.587	4030.8410	200A8	24810.778	4029.3678	124A0	24820.558	4027.7806	144A0
24801.787	4030.8707	112A0	24810.934	4029.3424	154A0	24820.708	4027.7560	107A0
24801.872	4030.8606	112A0	24811.124	4029.3112	124A0	24821.038	4027.7027	109A0
24802.038	4030.7878	126A0	24811.633	4029.2814	064C8	24821.284	4027.6698	203A0
24802.164	4030.7471	174C8	24811.540	4029.2374	104A0	24821.492	4027.6286	117A0
24802.211	4030.7596	183A0	24811.687	4029.2213	115A0	24821.628	4027.6044	209A0
24802.361	4030.7320	237A0	24811.924	4029.1817	120A0	24821.831	4027.5736	122A0
24802.441	4030.7190	203C8	24812.095	4029.1579	226A0	24822.038	4027.5499	186A0
24802.557	4030.6566	094A0	24812.255	4029.1279	135A0	24822.122	4027.5203	111C8
24802.615	4030.6298	119A0	24812.417	4029.1017	182A0	24822.235	4027.5079	103A0
24802.687	4030.6140	186A0	24812.488	4029.0833	172A0	24822.431	4027.4741	125A0
24803.268	4030.5966	098A0	24812.645	4029.0613	112A0	24822.556	4027.4458	107A0
24803.602	4030.5660	103A0	24812.861	4029.0327	080A0	24822.816	4027.4136	212A0
24803.754	4030.5087	107A0	24813.006	4029.0227	120A0	24822.954	4027.3912	200A0
24803.897	4030.4803	214A0	24813.191	4029.0906	114A0	24823.137	4027.3616	136A0
24804.086	4030.4752	250A0	24813.213	4029.0720	098A0	24823.239	4027.3450	129A0
24804.181	4030.4794	174A0	24813.371	4029.0258	227A0	24823.304	4027.3364	126A0
24804.264	4030.4220	142A0	24813.626	4028.9945	124A0	24823.645	4027.2758	098A0
24804.419	4030.4008	072C8	24813.829	4028.9723	132A0	24823.878	4027.2513	130A0
24804.553	4030.3791	192C8	24813.952	4028.9424	163A0	24824.050	4027.2122	104A0
24804.614	4030.3687	190A0	24814.362	4028.9058	119B0	24824.151	4027.1970	131A0
24804.718	4030.3449	131A0	24814.611	4028.8770	110A0	24824.348	4027.1651	100A0
24804.847	4030.3279	164A0	24814.877	4028.8428	117B0	24824.597	4027.1347	204A0
24804.947	4030.3150	164A0	24814.742	4028.8128	117B0	24824.747	4027.1103	185A0
24805.125	4030.2860	322A0	24814.544	4028.7742	134A0	24824.840	4027.0953	122A0
24805.214	4030.2552	124A0	24814.923	4028.7498	186A0	24824.981	4027.0788	126A0
24805.407	4030.2410	132A0	24815.024	4028.7482	110A0	24825.117	4027.0504	136A0
24805.501	4030.2250	158A0	24815.174	4028.7420	094A0	24825.201	4027.0268	135C4
24805.624	4030.2048	134A0	24815.204	4028.7465	176A0	24825.404	4027.9939	284A0
24805.798	4030.1749	163A0	24815.346	4028.7231	203A0	24825.625	4027.9579	213A0
24806.035	4030.1363	169A0	24815.479	4028.7045	156A0	24825.716	4028.9435	127A0
24806.408	4030.0777	094A0	24815.550	4028.6970	125A0	24825.885	4028.9158	112A0
24806.802	4030.0462	194A0	24815.766	4028.6570	094C8	24825.974	4028.9014	167A0
24806.784	4030.0141	164A0	24816.435	4028.6447	107A0	24826.211	4028.8629	284A0
24807.024	4029.9771	098A0	24816.497	4028.6286	114A0	24826.318	4028.8324	124A0
24807.024	4029.9771	098A0	24816.015	4028.6174	098A0	24826.458	4028.8002	259A0
24807.073	4029.9466	104A0	24816.131	4028.6096	111C8	24826.730	4028.7788	176A0
24807.244	4029.9284	274A0	24816.204	4028.6045	164A0	24826.810	4028.7643	264A0
24807.242	4029.9096	235A0	24816.337	4028.6418	211A0	24826.899	4028.7513	151C8
24807.571	4029.8886	262A0	24816.794	4028.5907	264A0	24826.970	4028.7398	114A0
24807.632	4029.8787	144B0	24816.894	4028.5828	374C8	24827.327	4028.6814	111A0
24807.799	4029.8519	167A0	24816.994	4028.5743	167A0	24827.327	4028.6814	111A0
24808.009	4029.8175	127A0	24816.994	4028.5743	167A0	24827.648	4028.6623	136B0
24808.155	4029.7930	231A0	24817.172	4028.5296	298A0	24827.581	4028.6539	226A0
24808.447	4029.7466	138A0	24817.328	4028.5043	164A0	24827.652	4028.6492	230A0
24808.530	4029.7320	117A0	24817.514	4028.4838	151A0	24827.923	4028.5953	207A0
24808.640	4029.7118	114A0	24817.671	4028.4638	150A0	24828.077	4028.5570	143A0
24808.872	4029.6773	174A0	24817.844	4028.4392	109A0	24828.211	4028.5386	120A0
24809.404	4029.6559	153A0	24817.978	4028.4197	115A0	24828.338	4028.5194	119A0
24809.186	4029.6393	157C8	24818.115	4028.3968	189B0	24828.401	4028.5078	160A0
24809.195	4029.6240	223A0	24818.289	4028.3746	189B0	24828.401	4028.5078	160A0
24809.335	4029.5940	272A0	24818.502	4028.3673	104A0	24828.584	4028.4780	108A0
24809.335	4029.5940	272A0	24818.711	4028.3749	198A0	24828.777	4028.4488	316A0

SIGMA	I PS	CLASSIFICATION	ION	SIGMA	I PS	CLASSIFICATION	ION	SIGMA	I PS	CLASSIFICATION	ION	
24828.963	4026	6165	14940	24827.927	4024	9634	11940	24827.397	4021	6293	13340	
24829.044	4024	4933	11680	24828.179	4024	9224	12240	24827.831	4021	3590	12240	
24829.205	4026	3774	14740	24828.423	4024	8624	12940	24828.021	4021	3253	10640	
24829.476	4026	3034	13240	24828.550	4024	8624	12940	24828.173	4021	2782	10640	
24829.551	4026	3211	10490	24828.848	4024	8161	14140	24828.330	4021	2498	15140	
24829.788	4026	2827	23840	24828.967	4024	8161	14140	24828.506	4021	2498	15140	
24830.088	4026	2241	9940	24829.019	4024	7864	10680	24828.696	4023	2191	22640	
24830.222	4024	2124	13440	24829.110	4024	7717	19400	24829.015	4023	1673	23440	
24830.575	4026	1552	22440	24829.200	4024	7571	8608	24829.215	4021	1349	14440	
24830.666	4026	1405	14940	24829.309	4024	7394	15540	24829.287	4021	1233	11940	
24830.745	4026	1243	15360	24829.562	4024	6994	10240	24829.355	4021	1123	10640	
24830.834	4026	1125	13840	24829.691	4024	6776	19440	24829.439	4021	0988	10540	
24830.914	4026	1001	12140	24829.808	4024	6595	13940	24829.529	4021	0841	10540	
24831.064	4024	0788	11440	24829.849	4024	6195	9380	24829.654	4021	0315	14240	
24831.206	4024	0529	22140	24829.906	4024	6195	9380	24829.869	4021	0128	17040	
24831.346	4026	0221	36740	24830.084	4024	5914	13840	24829.953	4021	0493	13740	
24831.561	4025	9921	19840	24831.251	4024	4248	12840	24830.168	4022	9808	12940	
24831.735	4025	9871	16840	24831.335	4024	4113	9940	24830.229	4022	9708	12940	
24831.866	4025	9458	21940	24831.492	4024	3847	10040	24830.303	4022	9568	15908	
24832.044	4025	9166	14440	24831.657	4024	3267	11540	24830.437	4022	9372	30740	
24832.445	4025	8520	8780	24831.866	4024	2993	10940	24830.615	4022	9083	14440	
24832.664	4025	8159	20340	24832.044	4024	2944	12290	24830.762	4022	8845	27440	
24832.735	4025	8049	20440	24832.163	4024	2771	16940	24830.932	4022	8570	16140	
24832.814	4025	7914	21840	24832.338	4024	2497	11240	24831.132	4022	8247	28740	
24832.944	4025	7708	16140	24832.471	4024	2271	14908	24831.268	4022	8024	18540	
24833.058	4025	7524	12740	24832.573	4024	2104	18240	24831.454	4022	7714	9240	
24833.137	4025	7398	11740	24832.685	4024	1944	16740	24831.641	4022	7423	19008	
24833.241	4025	7229	10440	24832.809	4024	1794	18440	24831.778	4022	7200	17340	
24833.356	4025	7043	14482	24832.997	4024	1591	9480	24831.847	4022	7089	15140	
24833.402	4025	6948	15640	24833.094	4024	1421	10740	24831.988	4022	6861	12940	
24833.544	4025	6738	9740	24833.093	4024	1280	12240	24832.163	4022	6577	20940	
24833.694	4025	6517	11640	24833.192	4024	1103	15440	24832.320	4022	6323	13240	
24833.977	4025	6036	14440	24833.282	4024	0947	12740	24832.507	4022	6020	13140	
24834.126	4025	5790	27440	24833.504	4024	0598	14440	24832.713	4022	5697	12540	
24834.241	4025	5568	16940	24833.612	4024	0453	14940	24832.956	4022	5455	13140	
24834.441	4025	5277	13040	24833.801	4024	0177	27940	24833.201	4022	4735	12140	
24834.494	4025	5195	15940	24833.918	4023	0947	14008	24833.318	4022	4546	12140	
24834.625	4025	4916	13440	24844.036	4023	9734	15840	24833.530	4022	4365	14040	
24834.667	4025	4755	12840	24844.284	4023	9334	10140	24833.611	4022	4224	16240	
24834.952	4025	4455	23240	24844.364	4023	9169	11740	24833.954	4022	3679	19840	
24835.132	4025	4164	11404	24844.583	4023	8691	16440	24834.140	4022	3379	18440	
24835.283	4025	3919	25940	24844.795	4023	8527	16940	24834.204	4022	3274	15608	
24835.367	4025	3742	13804	24844.944	4023	8259	20740	24834.504	4022	2951	13940	
24835.514	4025	3545	11640	24845.097	4023	8140	19440	24834.588	4022	2652	11140	
24835.624	4025	3366	14640	24845.374	4023	7563	10440	24834.658	4022	2539	10680	
24835.889	4025	2937	14540	24845.514	4023	7159	11240	24834.849	4022	2229	25740	
24836.024	4025	2714	14140	24845.616	4023	7177	11440	24834.911	4022	2129	19908	
24836.134	4025	2539	14640	24845.773	4023	6923	12940	24835.224	4022	1632	17640	
24836.214	4025	2410	14640	24845.914	4023	6695	13440	24835.500	4022	1500	11940	
24836.464	4025	2201	26140	24846.009	4023	6581	10740	24835.583	4022	1043	11040	
24836.816	4025	1526	15940	24846.157	4023	6301	14940	24835.792	4022	0784	22840	
24836.861	4025	1362	18440	24846.341	4023	6004	14340	24836.050	4022	0286	10440	
24837.055	4025	1047	32440	24846.392	4023	5922	16408	24836.196	4022	0050	11940	
24837.139	4025	0911	23808	24846.467	4023	5800	10740	24836.278	4021	9918	12808	
24837.206	4025	0802	17580	24846.655	4023	5496	14240	24836.419	4021	9620	26040	
24837.392	4025	0501	24640	24846.775	4023	5301	13040	24836.519	4021	9528	22740	
24837.480	4025	0359	26740	24846.910	4023	5082	10380	24836.615	4021	9388	13608	
24837.604	4025	0152	32440	1	24847.006	4023	4926	10680	24836.708	4021	9222	12640
24837.600	4024	0840	13240	1	24847.164	4023	4471	10380	24836.865	4021	8947	21240
24837.855	4024	0745	11040	24847.320	4023	4419	19440	24837.019	4021	8719	13940	

SIGMA	WL	I PS	CLASSIFICATION ION	SIGMA	WL	I OS	CLASSIFICATION ION	SIGMA	WL	I PS	CLASSIFICATION ION
24857.109	4021.8573	11140		24866.371	4020.3917	16640		24876.410	4019.7367	19240	
24857.292	4021.8276	14040		24866.325	4020.4667	11640		24876.886	4019.6599	15040	
24857.365	4021.8159	12740		24866.651	4020.3463	11340		24877.958	4019.6483	18040	
24857.573	4021.7824	26740		24866.534	4020.3229	11240		24877.161	4019.6154	20340	28745 4 3668 3 1
24857.801	4021.7453	26940		24866.601	4020.3221	11240		24877.472	4019.5652	17840	
24857.952	4021.7209	12540		24866.711	4020.3043	12240		24877.673	4019.5328	12140	
24858.038	4021.7070	12240		24866.784	4020.2925	15040		24877.749	4019.5204	13640	
24858.399	4021.6446	15640		24867.337	4020.2030	20240		24877.925	4019.4921	18440	
24858.777	4021.5874	9940		24867.543	4020.1616	21940		24878.123	4019.4601	11040	
24858.965	4021.5731	12240	32977 7 8118 7 1	24867.904	4020.1114	10380		24878.293	4019.4325	15040	
24859.963	4021.5573	12640		24868.240	4020.0570	9480		24878.362	4019.4215	17240	32742 5 7864 9 1
24859.169	4021.5240	14140		24868.415	4020.0772	7840		24878.664	4019.3726	13240	
24859.252	4021.5105	16740		24868.540	4020.0570	9480		24878.732	4019.3618	13740	
24859.450	4021.4786	21840		24868.694	4020.0322	11428		24878.995	4019.3192	23540	
24859.792	4021.4232	21540		24868.739	4019.9764	10740		24879.136	4019.2964	32540	
24859.869	4021.4108	21340		24868.846	4019.9591	11640		24879.390	4019.2570	21340	
24859.976	4021.3934	11058		24868.954	4019.9416	12140		24879.547	4019.2301	10780	
24860.070	4021.3783	10558		24869.149	4019.9102	16328		24879.718	4019.2025	9080	
24860.163	4021.3633	15340		24869.241	4019.8952	24740		24879.831	4019.1941	12640	
24860.248	4021.3495	10940		24869.394	4019.8867	24540		24879.980	4019.1602	17340	
24860.544	4021.3015	10040		24869.441	4019.8630	10940		24880.233	4019.1192	22840	
24860.556	4021.2835	11340		24869.567	4019.8426	9180		24880.468	4019.0812	11140	
24860.795	4021.2610	17640		24869.691	4019.8225	13040		24880.767	4019.0330	11040	
24860.889	4021.2458	24440		24869.773	4019.8092	9480		24881.005	4017.9947	12040	
24860.966	4021.2333	16280		24869.995	4019.7572	10440		24881.260	4017.9535	12040	
24861.064	4021.2175	12140		24870.238	4019.7341	18340		24881.466	4017.9202	11080	
24861.287	4021.1813	17440		24870.554	4019.6830	14540		24881.530	4017.9099	12040	
24861.354	4021.1705	14280		24870.691	4019.6609	16740		24881.736	4017.8765	19140	33738 3 6856 2 1
24861.394	4021.1635	13458		24870.859	4019.6296	15140		24882.024	4017.8301	13540	
24861.477	4021.1506	10580		24870.956	4019.6504	19040		24882.115	4017.8153	11440	
24861.695	4021.1153	13740		24870.736	4019.6212	16140		24882.459	4017.7597	14640	
24861.933	4021.0769	10440		24871.080	4019.5981	8880		24882.544	4017.7441	17940	
24862.104	4021.0492	7858		24871.213	4019.5745	14540		24882.729	4017.7161	33440	5716 4 30599 4 2
24862.339	4021.0274	10540		24871.429	4019.5416	13440		24882.904	4017.6876	16240	
24862.344	4021.0194	12840		24871.751	4019.4896	13440		24882.990	4017.6741	13680	
24862.461	4020.9915	19640	30263 4 5401 3 2	24871.854	4019.4729	11080		24883.071	4017.6609	13540	
24862.530	4020.9642	14340	34443 4 10091 9 1	24872.233	4019.4117	19840		24883.138	4017.6502	13840	
24862.707	4020.9517	16640		24872.404	4019.3841	10480		24883.260	4017.6304	13840	31987 4 7103 3 1
24862.966	4020.9098	10240		24872.500	4019.3645	15140		24883.580	4017.5782	17940	
24863.208	4020.8708	11040		24872.659	4019.3426	14240		24883.679	4017.5627	10380	
24863.426	4020.8355	17240		24872.793	4019.3211	11040		24883.947	4017.5196	16840	
24863.653	4020.7968	22540		24873.025	4019.2837	10440		24884.132	4017.4897	29740	
24863.822	4020.7714	16940		24873.333	4019.2339	12240		24884.366	4017.4519	26840	
24863.681	4020.7619	14540		24873.550	4019.1988	27140		24884.653	4017.3990	10940	
24864.187	4020.7123	17540		24873.751	4019.1665	10280		24884.898	4017.3563	10180	
24864.270	4020.6920	22140		24873.661	4019.1593	11740		24885.065	4017.3391	10040	
24864.321	4020.6907	22340	34490 6 9626 6 2	24874.049	4019.1182	22740		24885.190	4017.3188	11240	
24864.520	4020.6505	12240		24874.188	4019.0950	15240		24885.310	4017.2995	11140	
24864.672	4020.6350	14740		24874.319	4019.0842	13160		24885.365	4017.2873	6940	
24864.833	4020.6079	22740		24874.319	4019.0747	13040		24885.676	4017.2404	12640	
24864.978	4020.5866	9440		24874.594	4019.0587	14340		24885.835	4017.2148	22540	
24865.165	4020.5542	10240		24874.862	4019.0302	30640	30636 6 5769 5 11	24886.072	4017.1765	15040	
24865.237	4020.5426	10940		24875.049	4019.0069	33640	25163 6 289 5 22	24886.167	4017.1643	18840	34439 5 9553 5 2
24865.332	4020.5272	9780		24875.117	4018.9866	15840		24886.330	4017.1348	18740	
24865.475	4020.5041	11340		24875.190	4018.9477	14140		24886.446	4017.1162	15840	29339 5 4453 4 1
24865.570	4020.4873	11940		24875.490	4018.9339	12700		24886.656	4017.0823	10440	
24865.728	4020.4632	12140		24875.477	4018.9206	13240		24887.193	4016.9955	12740	
24865.782	4020.4545	12440		24875.717	4018.8847	14340		24887.378	4016.9656	14640	
24865.934	4020.4299	22740		24876.131	4018.8219	10180		24887.504	4016.9454	10740	
24866.021	4020.4159	12780		24876.314	4018.7523	13680		24887.715	4016.9113	10280	

SIGMA	WL	I	PS CLASSIFICATION	ION	SIGMA	WL	I	PS CLASSIFICATION	ION	SIGMA	WL	I	PS CLASSIFICATION	ION
24887.820	4016.8943	13540			24899.045	4014.4650	13140			24909.085	4014.4650	13140		
24887.958	4016.8720	11740			24909.293	4013.4316	15340			24909.293	4013.4316	15340		
24888.143	4016.8422	20540			24909.364	4013.4069	17640			24909.364	4013.4069	17640		
24888.326	4016.8127	14240			24909.449	4013.3803	16840			24909.449	4013.3803	16840		
24888.510	4016.7949	14440			24909.510	4013.3523	17840		6283 6 2	24909.510	4013.3523	17840		31193 7
24888.585	4016.7709	10740			24909.573	4013.3219	20440			24909.573	4013.3219	20440		
24888.747	4016.7467	19440			24910.220	4013.2822	21440			24910.220	4013.2822	21440		
24888.883	4016.7228	16640			24910.425	4013.2492	15440			24910.425	4013.2492	15440		
24888.844	4016.6966	14740			24910.601	4013.2207	15640			24910.601	4013.2207	15640		
24889.210	4016.6700	14940			24910.673	4013.2091	13940			24910.673	4013.2091	13940		
24889.598	4016.6557	15540			24910.768	4013.1906	14940			24910.768	4013.1906	14940		
24889.899	4016.6412	13640			24910.894	4013.1736	10040			24910.894	4013.1736	10040		
24889.889	4016.6244	12740			24911.276	4013.1105	17140			24911.276	4013.1105	17140		
24890.112	4016.6244	19140			24911.401	4013.0919	15240			24911.401	4013.0919	15240		
24890.198	4016.6105	10740			24911.687	4013.0657	17740			24911.687	4013.0657	17740		
24890.337	4016.6081	10140			24911.968	4013.0365	21240			24911.968	4013.0365	21240		
24890.523	4016.6040	9940			24912.019	4013.0125	25240		289 5 2	24912.019	4013.0125	25240		289 5 2
24890.601	4016.6455	10840			24912.019	4013.0125	25240			24912.019	4013.0125	25240		
24891.052	4016.6228	20040			24912.216	4012.9905	9440			24912.216	4012.9905	9440		
24891.216	4016.6463	23740			24912.728	4012.8781	13640			24912.728	4012.8781	13640		
24891.315	4016.6363	25940		29476 6 4585 6 2	24912.837	4012.8606	13130			24912.837	4012.8606	13130		
24891.379	4016.6200	22340			24912.892	4012.8517	12640			24912.892	4012.8517	12640		
24891.578	4016.6278	25940			24913.000	4012.8514	27840			24913.000	4012.8514	27840		
24891.640	4016.6779	21740		35879 6 10987 6 1	24913.420	4012.7867	21040			24913.420	4012.7867	21040		
24891.742	4016.6591	19140		32537 7 7845 6 1	24913.617	4012.7350	10440			24913.617	4012.7350	10440		
24892.009	4016.6143	10740			24913.778	4012.7090	19040			24913.778	4012.7090	19040		
24892.192	4016.6188	16440			24914.118	4012.6542	11840			24914.118	4012.6542	11840		
24892.282	4016.6173	11240			24914.257	4012.6346	14740			24914.257	4012.6346	14740		
24892.334	4016.6149	11240			24914.359	4012.6089	11740			24914.359	4012.6089	11740		
24892.741	4016.6738	12540			24914.716	4012.5576	10340			24914.716	4012.5576	10340		
24892.905	4016.6738	15440			24915.340	4012.4374	10340			24915.340	4012.4374	10340		
24893.106	4016.6412	24740			24915.520	4012.4285	9640			24915.520	4012.4285	9640		
24893.263	4016.6031	16240			24915.730	4012.3946	16040			24915.730	4012.3946	16040		
24893.476	4016.6816	15340			24915.939	4012.3609	11440			24915.939	4012.3609	11440		
24893.678	4016.6490	16140			24916.000	4012.3511	11840			24916.000	4012.3511	11840		
24893.867	4016.6145	13840			24916.201	4012.3188	10540			24916.201	4012.3188	10540		
24894.196	4016.6655	10540			24916.342	4012.2960	10440			24916.342	4012.2960	10440		
24894.517	4016.6454	13040			24916.575	4012.2585	15040			24916.575	4012.2585	15040		
24894.614	4016.7940	15440			24916.714	4012.2330	9140			24916.714	4012.2330	9140		
24894.771	4016.7726	15840			24916.947	4012.1986	11940			24916.947	4012.1986	11940		
24894.819	4016.7650	15840			24917.012	4012.1981	12040			24917.012	4012.1981	12040		
24894.955	4016.7431	10440		29316 5 4420 5 2	24917.209	4012.1545	25240		31166 7 4249 6 1	24917.209	4012.1545	25240		31166 7 4249 6 1
24895.227	4016.6591	14940			24917.284	4012.1444	21140			24917.284	4012.1444	21140		
24895.486	4016.6252	14340			24917.512	4012.1077	15440			24917.512	4012.1077	15440		
24895.901	4016.5906	9940			24917.616	4012.0956	15440			24917.616	4012.0956	15440		
24896.046	4016.6671	13180			24918.299	4011.9809	12040			24918.299	4011.9809	12040		
24896.096	4016.5561	14040			24918.432	4011.9595	11740			24918.432	4011.9595	11740		
24896.210	4016.5341	9081			24918.717	4011.9136	10140			24918.717	4011.9136	10140		
24896.494	4016.6945	14440			24918.796	4011.9010	13740			24918.796	4011.9010	13740		
24896.851	4016.6372	20540			24918.801	4011.8905	13540			24918.801	4011.8905	13540		
24896.949	4016.6215	16140			24918.821	4011.8847	9480			24918.821	4011.8847	9480		
24897.142	4016.5903	24040			24918.138	4011.8450	11880			24918.138	4011.8450	11880		
24897.315	4016.6624	15040			24918.253	4011.8357	20640			24918.253	4011.8357	20640		
24897.339	4016.6252	11440			24918.325	4011.8157	18640			24918.325	4011.8157	18640		
24897.584	4016.6252	16740			24918.530	4011.7911	30440		30681 5 3782 5 1	24918.530	4011.7911	30440		30681 5 3782 5 1
24897.738	4016.6245	16340			24918.740	4011.7506	17940			24918.740	4011.7506	17940		
24897.814	4016.6215	19340			24918.640	4011.7394	9540			24918.640	4011.7394	9540		
24897.824	4016.6241	17580			24918.935	4011.6891	13040			24918.935	4011.6891	13040		

SIGMA	WL	I PS CLASSIFICATION ION	M1	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
24920.172	4011.6270	15140	24930.510	4010.0156	10940	24940.859	4008.351P
24920.285	4011.6627	14340	24930.689	4009.9569	13940	24941.467	4008.2541
24920.429	4011.6310	91CA	24930.964	4009.9428	20C8	24941.763	4008.2066
24920.607	4011.6101	14140	24931.071	4009.9345	15340	24941.917	4008.1819
24920.900	4011.5693	12040	24931.207	4009.9328	12440	24942.075	4008.1564
24921.086	4011.5326	16240	24931.477	4009.8623	11440	24942.264	4008.1280
24921.240	4011.5075	11940	24931.672	4009.7947	12940	24942.440	4008.0978
24921.617	4011.4740	16040	24932.216	4009.7414	19540	24942.631	4008.0671
24921.606	4011.4448	31040	24932.308	4009.7245	11780	24942.904	4008.0233
24921.786	4011.4175	10740	24932.440	4009.7045	13440	24943.984	4008.0104
24921.994	4011.3874	12740	24932.942	4009.6246	15440	24943.198	4008.0159
24922.132	4011.3638	12940	24933.012	4009.6136	20440	24943.200	4008.0159
24922.250	4011.3444	10940	24933.147	4009.5917	11440	24943.408	4008.0159
24922.630	4011.2831	17140	24933.420	4009.5493	11440	24943.653	4008.0159
24922.704	4011.2717	14340	24933.520	4009.5307	11440	24943.986	4008.0159
24922.838	4011.2603	15840	24933.574	4009.5231	161CA	24944.068	4008.0159
24923.068	4011.2130	124CA	24933.691	4009.5120	29440	24944.259	4008.0159
24923.126	4011.2019	15040	24933.908	4009.4920	11580	24944.459	4008.0159
24923.191	4011.1915	13440	24934.051	4009.4844	12840	24944.607	4008.0159
24923.671	4011.1161	15740	24934.243	4009.4455	24340	24944.811	4008.0159
24923.940	4011.0890	11740	24934.428	4009.3857	12740	24945.002	4008.0159
24924.442	4010.9856	20740	24934.795	4009.3247	12440	24945.130	4008.0159
24924.629	4010.9620	13340	24934.983	4009.2965	29440	24945.347	4008.0159
24924.825	4010.9305	23040	24935.174	4009.2858	10780	24945.826	4008.0159
24925.029	4010.9076	11180	24935.240	4009.2551	10680	24946.043	4008.0159
24925.316	4010.8515	14340	24935.339	4009.2391	11540	24946.139	4008.0159
24925.373	4010.8423	173CA	24935.543	4009.2045	112C8	24946.311	4008.0159
24925.573	4010.8117	32340	24935.598	4009.1976	13640	24946.459	4008.0159
24925.753	4010.7811	16440	24935.789	4009.1870	30840	24946.607	4008.0159
24925.923	4010.7699	13640	24935.977	4009.1366	11840	24946.811	4008.0159
24925.694	4010.7578	12040	24936.219	4009.0977	12840	24947.002	4008.0159
24925.977	4010.7451	12840	24936.447	4009.0610	12440	24947.287	4008.0159
24926.113	4010.7272	11580	24936.570	4009.0412	14740	24947.397	4008.0159
24926.214	4010.7066	16440	24936.671	4009.0250	20340	24947.492	4008.0159
24926.360	4010.6835	18740	24936.854	4008.9955	11040	24947.690	4008.0159
24926.547	4010.6561	14040	24936.971	4008.9749	17340	24947.849	4008.0159
24926.630	4010.6399	14940	24937.144	4008.9483	13140	24948.048	4008.0159
24926.780	4010.6145	22640	24937.343	4008.9170	29440	24948.248	4008.0159
24926.994	4010.5811	14140	24937.553	4008.8823	17940	24948.448	4008.0159
24927.184	4010.5502	13040	24937.751	4008.8423	152C8	24948.648	4008.0159
24927.262	4010.5383	12840	24937.954	4008.8040	11740	24948.848	4008.0159
24927.444	4010.5093	10540	24938.048	4008.8036	14440	24949.048	4008.0159
24927.589	4010.4875	15040	24938.048	4008.7976	15840	24949.248	4008.0159
24927.700	4010.4576	22640	24938.226	4008.7740	29640	24949.448	4008.0159
24927.892	4010.4349	16440	24938.500	4008.7310	22440	24949.648	4008.0159
24928.038	4010.4114	12740	24938.673	4008.7031	163C8	24949.848	4008.0159
24928.105	4010.4026	14540	24938.737	4008.6929	18740	24949.948	4008.0159
24928.467	4010.3444	17640	24938.867	4008.6721	30440	24950.148	4008.0159
24928.650	4010.3151	19440	24939.082	4008.6375	23040	24950.348	4008.0159
24928.739	4010.3007	15040	24939.280	4008.6056	11180	24950.548	4008.0159
24929.020	4010.2555	16340	24939.461	4008.5746	15240	24950.748	4008.0159
24929.279	4010.2138	11440	24939.535	4008.5446	16840	24950.948	4008.0159
24929.446	4010.1838	20740	24939.603	4008.5537	18340	24951.148	4008.0159
24929.581	4010.1652	15240	24939.702	4008.5282	16040	24951.348	4008.0159
24929.864	4010.1197	15840	24939.911	4008.5041	14140	24951.548	4008.0159
24930.096	4010.0824	15140	24940.105	4008.4834	31140	24951.748	4008.0159
24930.232	4010.0686	12540	24940.377	4008.4493	29240	24951.948	4008.0159
24930.335	4010.0438	13540	24940.558	4008.4002	14940	24952.148	4008.0159
24930.410	4010.0306	12540	24940.703	4008.3770	17940	24952.348	4008.0159

30936 5 8091 4 1

33224 7 8276 6 2

27244 6 2294 5 2

33829 3 8070 3 1

SIGMA	I	PS	CLASSIFICATION	ION	WL	I	PS	CLASSIFICATION	ION	WL	I	PS	CLASSIFICATION	ION	WL	I	PS	CLASSIFICATION	ION
24951.937	4006	5727	213A0		24962.540	4004	6071	197A0		24973.257	4003	1517	286A0						
24951.970	4006	5626	177H0		24962.789	4004	6305	135B0		24973.541	4003	1061	227A0						
24952.002	4008	5473	167A0		24962.933	4004	6072	275A0		24973.691	4003	0822	121A0						
24952.308	4006	5126	184A0	31235 7 6283 6 2	24964.172	4004	7689	94C8		24973.780	4003	0666	169A0						
24952.574	4006	4760	108A0		24963.256	4004	7594	92B0		24973.976	4003	0496	136C4						
24952.728	4006	4451	128A0		24963.460	4004	6586	127C8		24974.119	4003	0135	138A0						
24952.907	4005	4172	147A0		24963.860	4004	6586	127C8		24974.307	4002	9533	284A0						
24953.088	4006	3874	243A0	33475 6 8521 7 2	24964.143	4004	6131	250A0	33475 6 8510 5 2	24974.558	4002	9431	128A0						
24953.454	4006	3286	103C8		24964.532	4004	5507	117B0		24974.791	4002	9057	133A0						
24953.685	4006	2915	184C8		24964.596	4004	5404	122A0		24975.068	4002	8613	99A0						
24953.761	4006	2793	289A0		24964.745	4004	5134	242A0		24975.220	4002	8370	98A0						
24954.016	4006	2394	253A0	30945 4 5991 4 1	24964.886	4004	4941	151A0		24975.464	4002	7980	93A0						
24954.434	4006	2094	98C8		24965.001	4004	4756	112A0		24975.664	4002	7780	93A0						
24954.636	4006	1710	131A0		24965.173	4004	4479	203A0		24976.094	4002	6970	154A0						
24954.806	4006	1630	129B0		24965.369	4004	4319	294A0	31970 7 7005 6 1	24976.346	4002	6565	174A0						
24954.869	4006	1336	165A0		24965.487	4004	3975	245A0	32611 7 7645 8 1	24976.616	4002	6132	154A0						
24954.966	4006	0827	109A0		24965.681	4004	3664	118A0		24976.793	4002	5849	301A0						
24955.122	4006	0608	93C8		24965.772	4004	3519	104B0		24976.982	4002	5546	126A0						
24955.459	4006	0087	109A0		24966.243	4004	2764	112A0		24977.060	4002	5422	152A0						
24955.574	4005	9883	126A0		24966.487	4004	2373	131A0		24977.366	4002	4932	107A0						
24955.652	4005	9758	121A0		24966.633	4004	2138	131A0		24977.478	4002	4752	101A0						
24956.227	4005	8035	113A0		24966.771	4004	1916	115A0		24977.661	4002	4458	136A0						
24956.393	4005	8568	85B0		24967.014	4004	1526	126A0		24977.710	4002	4380	144A0						
24956.544	4005	8325	110R7		24967.260	4004	1132	197A0	37586 5 12420 6 2	24977.780	4002	4247	139A0						
24956.609	4005	8221	124A1		24967.365	4004	0921	188A0		24977.980	4002	3947	114A0						
24956.721	4005	8041	112A0		24967.578	4004	0628	317A0	20716 6 1749 6 2	24978.132	4002	3704	203A0						
24956.782	4005	7944	159B0		24967.820	4004	0234	127B0		24978.333	4002	3382	297A0						
24956.944	4005	7684	171A0	29232 3 6275 6 1	24967.926	4004	0063	150A0		24978.664	4002	3172	164A0						
24957.216	4005	7448	246A0		24967.926	4004	0063	150A0		24978.664	4002	2898	130A0						
24957.401	4005	6949	359A0	28577 4 620 5 11	24968.155	4003	9497	307A0		24978.949	4002	2594	144B0						
24957.593	4005	6661	257A0		24968.351	4003	9383	161A0		24979.221	4002	2207	227A0						
24957.728	4005	6425	174R0		24968.422	4003	9263	211A0		24979.369	4002	1722	161A0						
24957.842	4005	6243	166A0		24968.732	4003	8772	114B1		24979.655	4002	1264	194A0						
24958.131	4005	5779	117A0		24968.913	4003	8344	174A0		24979.839	4002	0968	101A0						
24958.131	4005	5779	117A0		24969.292	4003	7873	186A0		24980.095	4002	0558	117A0						
24958.485	4005	5210	150A0		24969.508	4003	7527	143A0		24980.196	4002	0397	175A0						
24958.549	4005	5108	169A0		24969.736	4003	7281	142A0		24980.280	4002	0262	189A0						
24958.773	4005	4748	110A0		24969.960	4003	6931	151A0		24980.428	4001	9757	223A0						
24959.001	4005	4391	113A0		24970.299	4003	6259	235A0	38656 7 10685 8 1	24980.595	4001	9499	114A0						
24959.149	4005	4144	154A0		24970.473	4003	5979	165A0		24981.036	4001	9047	124A0						
24959.317	4005	3875	220H0		24970.693	4003	5627	211A0		24981.111	4001	8931	141A0						
24959.487	4005	3682	98H0		24970.849	4003	5377	164A0		24981.260	4001	8692	164A0						
24959.562	4005	3482	110C4		24970.950	4003	5215	144A0		24981.359	4001	8533	152A0						
24959.746	4005	3186	140A0		24971.024	4003	5097	135A0		24981.417	4001	8440	139A0						
24959.820	4005	3088	159B0		24971.199	4003	4817	105A0		24981.556	4001	8217	105A0						
24959.857	4005	3009	171A0		24971.322	4003	4619	132A0		24981.716	4001	7861	92A0						
24960.032	4005	2727	277A0		24971.462	4003	4394	135B0		24982.197	4001	7190	115A0						
24960.235	4005	2502	269A0		24971.541	4003	4235	153A0		24982.332	4001	6874	96A0						
24960.424	4005	2099	385A0	25580 6 620 5 11	24971.693	4003	4086	266A0		24982.385	4001	6490	98C4						
24960.619	4005	1785	249A0		24971.929	4003	3846	129C4		24982.630	4001	6098	188A0						
24960.685	4005	1640	224C8		24972.056	4003	3641	105B0		24982.832	4001	6173	197A0						
24960.855	4005	1407	320A0	29236 7 4275 6 11	24972.223	4003	3175	164A0	33829 3 8856 2 1	24983.126	4001	5703	130A0						
24961.167	4005	0906	154A0		24972.305	4003	3043	144B0		24983.194	4001	5593	124A0						
24961.255	4005	0764	159A0		24972.525	4003	2869	251A0	29557 5 4584 6 2	24983.458	4001	5170	112A0						
24961.313	4005	0673	137C8		24972.694	4003	2819	226A0		24983.547	4001	5028	108B0						
24961.539	4005	0310	111C4		24972.978	4003	1963	284A0	27267 5 2284 5 2										
24961.724	4005	0013	254A0																
24961.857	4004	9890	140C8																
24961.933	4004	9677	176A0																
24962.100	4004	9409	187A0																
24962.383	4004	8956	269A0																

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
24983.776	4001.6662	151A0	24995.396	3997.6059	110A0	25005.515	3997.9874	94A0
24983.909	4001.6650	171A0	24995.752	3999.5369	143A0	25005.649	3997.9558	102C6
24984.002	4001.6300	137B0	24996.828	3999.5388	167A0	25005.899	3997.9259	129A0
24984.195	4001.5971	272A0	24996.008	3999.5080	145A0	25006.182	3997.8807	100A0
24984.393	4001.5673	121F0	24996.124	3999.4894	182A0	25006.385	3997.8483	179A0
24984.492	4001.5514	123A0	24996.261	3999.4675	104C8	25006.679	3997.8013	93A0
24984.676	4001.5220	218A0	24996.441	3999.4388	87B0	25006.847	3997.7744	137A0
24984.751	4001.5100	190C9	24996.589	3999.4150	101A0	25006.931	3997.7609	93C8
24984.936	4001.2804	312A0	24996.777	3995.3850	136A0	25007.101	3997.7337	100A0
24985.099	4001.2543	176A0	24997.116	3989.3306	102F0	25007.180	3997.7217	119B0
24985.209	4001.2367	163A0	24997.348	3999.2935	100B0	25007.243	3997.7112	130A0
24985.574	4001.1942	253A0	24997.670	3999.2741	130A0	25007.321	3997.6987	180A0
24985.795	4001.1428	205A0	24997.573	3999.2575	125A0	25007.487	3997.6721	117A0
24986.068	4001.0992	109A0	24997.795	3999.2258	152C8	25007.755	3997.6292	152A0
24986.243	4001.0710	121A0	24997.872	3999.2089	177A0	25007.924	3997.5775	123A0
24986.435	4001.0403	91B0	24998.054	3999.1807	317A0	25008.156	3997.5651	130A0
24986.591	4001.0153	127A0	24998.246	3999.1499	104B0	25008.486	3997.5124	117A0
24986.707	4000.9968	136A0	24998.369	3999.1303	194B0	25009.106	3997.4129	123A0
24986.794	4000.9829	175A0	24998.557	3999.0841	152A0	25009.239	3997.3667	163A0
24987.031	4000.9449	105A0	24998.767	3999.0665	228A0	25009.420	3997.3631	143A0
24987.264	4000.9077	241A0	24998.836	3999.0525	160B0	25009.539	3997.3641	124A0
24987.346	4000.8944	194A0	24999.032	3999.0242	145A0	25009.722	3997.3148	277A0
24987.445	4000.8787	135F0	24999.280	3998.9845	167A0			
24987.663	4000.8436	99A0	24999.376	3998.9691	204A0			
24988.166	4000.7632	107A0	24999.541	3998.9437	117A0			
24988.347	4000.7441	271A0	24999.734	3998.9119	144A0			
24988.823	4000.7051	199A0	24999.852	3998.8930	123A0			
24988.873	4000.6788	106A0	25000.272	3998.8228	237A0			
24989.407	4000.6606	151A0	25000.422	3998.8018	146A0			
24989.948	4000.6379	147A0	25000.525	3998.7883	119A0			
24989.204	4000.5970	148A0	25000.677	3998.7610	117A0			
24989.406	4000.5647	147A0	25000.770	3998.7442	100B0			
24989.617	4000.5308	173A0	25000.886	3998.7276	129A0			
24990.056	4000.4606	113A0	25001.103	3998.6930	247A0			
24990.247	4000.4299	133F2	25001.187	3998.6795	198A0			
24990.369	4000.4104	141A0	25001.375	3998.6493	258A0			
24990.624	4000.3696	142A0	25001.692	3998.5986	189A0			
24990.880	4000.3287	126C8	25002.057	3998.5443	170A0			
24991.065	4000.3154	179A0	25002.189	3998.5191	132A0			
24991.085	4000.2990	141A0	25002.387	3998.4876	111A0			
24991.376	4000.2657	253A0	25002.551	3998.4614	248A0			
24991.373	4000.2496	184B0	25002.780	3998.4286	119C4			
24991.639	4000.2071	135A0	25002.961	3998.3957	265A0			
24992.410	4000.0837	119A0	25003.176	3998.3613	134B0			
24992.728	4000.0327	140A0	25003.262	3998.3476	144A0			
24992.628	4000.0168	118A0	25003.364	3998.3313	222A0			
24992.978	3999.9929	150A0	25003.445	3998.3163	134B0			
24993.195	3999.9591	235A0	25003.676	3998.2814	134A0			
24993.419	3999.9222	194F0	25003.786	3998.2659	175A0			
24993.519	3999.9062	209A0	25003.957	3998.2365	293A0			
24993.800	3999.8613	101A0	25004.201	3998.1975	121B0			
24993.904	3999.8447	103A0	25004.322	3998.1781	114A0			
24994.308	3999.7800	110C8	25004.403	3998.1647	99A0			
24994.402	3999.7650	184A0	25004.582	3998.1397	125A0			
24994.447	3999.7577	180A0	25004.712	3998.1158	106A0			
24994.596	3999.7339	101A0	25004.787	3998.1038	145A0			
24994.823	3999.6977	213A0	25004.900	3998.0857	149A0			
24995.094	3999.6543	101A0	25005.076	3998.0576	107A0			
24995.203	3999.6368	103B0	25005.170	3998.0425	118A0			
24995.264	3999.6270	106A0	25005.297	3998.0221	140A0			

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
25016.298	396.2656	11A40	25026.272	399.6712	11B0	25037.577	399.2676	21A40
25016.474	396.2353	21A40	25026.356	399.6542	12C8	25037.765	399.8376	30A20
25016.551	396.2237	12CA	25026.538	399.6289	11A40	25037.860	399.8224	18C8
25016.788	396.1858	15A40	25026.812	399.5962	131A0	25037.947	399.8086	12A40
25017.040	396.1424	18A40	25026.961	399.5629	26A40	25038.014	399.7979	127B0
25017.149	396.1281	22A40	25027.143	399.5322	15A40	25038.137	399.7793	117C4
25017.344	396.1033	14A40	25027.324	399.5034	12A40	25038.340	399.7459	15B40
25017.381	396.0911	16C4	25027.476	399.4791	19A40	25038.547	399.7050	25A40
25017.434	396.0822	17A40	25027.589	399.4611	19B0	25038.905	399.6558	17A40
25017.786	396.0264	101B0	25027.630	399.4546	11A40	25039.175	399.6128	11A40
25017.900	396.0082	15A40	25027.720	399.4401	11A40	25039.466	399.5661	15B0
25017.523	396.9948	192P-	25027.882	399.4143	11A40	25039.667	399.5343	31A0
25018.089	396.9779	240-V	25028.170	399.3694	121A0	25039.861	399.5033	17A40
25018.245	396.9531	285A0	25028.273	399.3519	161A0	25039.924	399.4933	176A0
25018.510	396.9107	18A40	25028.462	399.3217	16B0	25040.091	399.4666	117A0
25018.640	396.8999	16A40	25028.650	399.2902	307A0	25040.338	399.4273	203A0
25018.766	396.897	11A40	25028.845	399.2607	142B0	25040.591	399.3870	14A40
25019.057	396.8318	15A40	25028.918	399.2409	142B0	25040.605	399.3626	177A0
25019.174	396.8043	128B0	25029.013	399.2239	195A0	25040.872	399.3262	162A0
25019.349	396.7735	274A0	25029.161	399.2103	14A40	25041.375	399.2820	135B0
25019.623	396.7229	103CA	25029.354	399.1794	129B0	25041.573	399.2304	273A0
25019.724	396.7168	133A0	25029.617	399.1374	17C8	25041.761	399.2005	153A0
25020.074	396.6602	112A0	25029.724	399.1244	16A40	25041.842	399.1876	125B0
25020.247	396.6333	16A40	25029.800	399.1082	231A0	25042.014	399.1701	147A0
25020.312	396.6229	139A0	25030.248	399.0336	119A0	25042.101	399.1462	121A0
25020.627	396.5726	117A0	25030.349	399.0206	14A40	25042.208	399.1293	108B0
25020.714	396.5584	123B0	25030.500	399.9945	116A0	25042.541	399.0761	178A0
25020.907	396.5279	289A0	25030.570	399.9853	116A0	25042.588	399.0686	18A40
25021.004	396.4996	115A0	25030.766	399.9641	196A0	25042.959	399.0094	126A0
25021.213	396.4791	130A0	25030.992	399.9181	12A0	25043.169	399.9197	135A0
25021.318	396.4591	131B0	25031.173	399.8660	159A0	25043.253	399.9126	132B0
25021.432	396.4440	182A0	25031.314	399.8466	168A0	25043.432	399.8921	169B0
25021.660	396.4076	154A0	25031.466	399.8223	259A0	25043.655	399.8985	168A0
25021.768	396.3793	164A0	25031.801	399.7890	245A0	25043.854	399.8668	103B0
25022.030	396.3486	92A0	25032.425	399.6694	159A0	25043.978	399.8470	119B0
25022.134	396.3319	93CA	25032.708	399.6442	133B0	25044.154	399.8190	147A0
25022.269	396.3104	143B0	25032.843	399.6195	117B0	25044.486	399.7661	185A0
25022.394	396.2794	23A0	25033.997	399.5981	119A0	25044.570	399.7526	13A80
25022.440	396.2798	174CA	25033.320	399.5467	212A0	25044.894	399.7010	117A0
25022.559	396.2641	109A0	25033.616	399.4994	151A0	25044.971	399.6887	110B0
25022.714	396.2386	98CA	25033.692	399.4689	141A0	25045.132	399.6631	125A0
25022.944	396.2026	151CA	25034.230	399.4014	117A0	25045.280	399.6395	216A0
25023.077	396.1914	262A0	25034.378	399.3779	140P9	25045.453	399.6120	256A0
25023.324	396.1420	140A0	25034.588	399.3444	126A0	25045.640	399.5821	102C8
25023.336	396.1337	136B0	25034.988	399.2806	214A0	25045.888	399.5427	118A0
25023.605	396.0970	235A0	25035.157	399.2535	183A0	25046.085	399.5112	139A0
25023.777	396.0907	165A0	25035.270	399.2356	203A0	25046.245	399.4857	225A0
25023.870	396.0567	134B0	25035.443	399.2080	115A0	25046.447	399.4535	107B0
25024.059	396.0246	213A0	25035.629	399.1742	129B0	25046.611	399.4274	136A0
25024.203	396.0216	115C8	25035.701	399.1669	156A0	25046.856	399.3883	153A0
25024.370	396.9749	266A0	25035.930	399.1302	123A0	25046.866	399.3693	185A0
25024.577	396.9419	112A0	25036.157	399.0941	211A0	25047.179	399.3369	185A0
25024.751	396.9142	121C8	25036.278	399.0748	193A0	25047.599	399.2700	117C8
25024.815	396.9039	148A0	25036.311	399.0647	142B0	25047.774	399.2420	136C8
25025.203	396.8419	111B0	25036.500	399.0393	200A0	25047.834	399.2322	136A0
25025.437	396.8061	139A0	25036.565	399.0290	166A0	25047.947	399.2144	112A0
25025.565	396.7857	110A0	25036.890	399.9852	168B0	25048.040	399.1984	195C8
25025.832	396.7654	108A0	25036.995	399.9604	199A0	25048.467	399.1332	112A0
25025.923	396.7607	205A0	25037.280	399.9185	179A0	25048.523	399.1127	149A0
25026.089	396.7008	168A0	25037.352	399.9035	167A0	25048.578	399.1139	126A0





SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
25083.549	1985.5496	107A0	25095.618	3993.4326	16A0	25107.369	3981.7692	110B0
25083.724	1985.5214	159A0	25095.686	3983.8220	16A0	25107.495	3981.7483	113A0
25083.786	1985.5118	162A0	25095.829	3983.5991	19A0	25107.622	3981.7281	108A0
25084.015	1985.4755	111R0	25095.902	3983.5877	203A0	25107.904	3981.6834	199A0
25084.287	1985.4422	143A0	25096.120	3983.4530	31A0	25108.050	3981.6588	115A0
25084.465	1985.4040	107A0	25096.479	3983.4802	16A0	25108.236	3981.6212	107B0
25084.661	1985.3729	129A0	25096.937	3983.4233	11A0	25108.520	3981.5857	153A0
25084.940	1985.3400	119A0	25097.124	3983.3936	14A0	25108.705	3981.5563	271A0
25085.071	1985.3076	166A0	25097.274	3983.3699	23A0	25108.959	3981.5161	240A0
25085.207	1985.2861	124A0	25097.544	3983.3270	119A0	25109.223	3981.4762	159A0
25085.400	1985.2584	195A0	25097.778	3983.2899	14A0	25109.443	3981.4392	16A0
25085.819	1985.1949	203A0	25097.910	3983.2684	111A0	25109.628	3981.4100	216A0
25086.115	1985.1417	121R0	25098.132	3983.2337	157A0	25109.691	3981.4000	236A0
25086.320	1985.1093	166A0	25098.194	3983.2239	108A0	25110.124	3981.3314	111R0
25086.768	1985.0477	285A0	25098.268	3983.2068	108B0	25110.348	3981.2959	132R0
25086.930	1985.0123	174A0	25098.517	3983.1726	179A0	25110.530	3981.2882	319B0
25086.994	1985.0019	152R0	25098.633	3983.1542	21A0	25110.550	3981.2870	136A0
25087.152	1984.9771	134A0	25098.771	3983.1302	147A0	25110.667	3981.2452	147A0
25087.485	1984.9242	154A0	25098.917	3983.1020	126A0	25110.884	3981.2109	132A0
25087.728	1984.8856	113R0	25099.058	3983.0846	189A0	25111.012	3981.1906	140A0
25087.930	1984.8535	250A0	25099.122	3983.0744	153B0	25111.060	3981.197	122R0
25088.171	1984.8152	134A0	25099.187	3983.0647	124C0	25111.243	3981.1540	174A0
25088.311	1984.7826	200A0	25099.265	3983.0538	133A0	25111.321	3981.1416	127R0
25088.527	1984.7586	117A0	25099.437	3983.0111	25A0	25111.612	3981.0837	113A0
25088.837	1984.7095	199A0	25099.748	3982.9709	217A0	25111.929	3981.0452	134A0
25089.007	1984.6824	143A0	25099.932	3982.9440	122A0	25112.184	3981.0047	107B0
25089.218	1984.6490	287A0	25100.250	3982.8976	132A0	25112.369	3980.9754	236A0
25089.596	1984.5989	150A0	25100.492	3982.8591	148A0	25112.551	3980.9466	112A0
25089.687	1984.5744	119A0	25100.543	3982.8511	142A0	25112.713	3980.9208	104C0
25089.871	1984.5452	100R0	25100.631	3982.8371	104B0	25112.901	3980.8911	195A0
25090.952	1984.5223	114A0	25100.892	3982.7950	122A0	25112.936	3980.8855	197A0
25091.059	1984.5154	124A0	25101.064	3982.7684	19A0	25113.081	3980.8925	115A0
25090.239	1984.4868	9A0	25101.385	3982.7174	114B0	25113.222	3980.8243	202A0
25090.431	1984.4563	168A0	25101.690	3982.6691	113A0	25113.502	3980.7951	311A0
25090.621	1984.4345	174A0	25102.186	3982.5913	174A0	25113.499	3980.7654	146A0
25090.759	1984.4090	194A0	25102.402	3982.5942	101A0	25113.559	3980.7451	140R0
25090.882	1984.3890	220A0	25102.654	3982.6161	16A0	25113.842	3980.7149	124A0
25091.491	1984.2874	114C0	25102.832	3982.4879	16A0	25114.070	3980.7057	204A0
25091.567	1984.2759	164C0	25103.002	3982.4410	111B0	25114.241	3980.6786	109A0
25091.687	1984.2568	102B0	25103.131	3982.4401	112A0	25114.315	3980.6669	103C0
25092.010	1984.2055	145R0	25103.493	3982.3646	14A0	25114.750	3980.5980	109B0
25092.160	1984.1785	291A0	25104.905	3982.3177	126A0	25114.945	3980.5670	134A0
25092.291	1984.1609	194C0	25104.271	3982.2596	142A0	25115.181	3980.5296	139R0
25092.485	1984.1301	257A0	25104.600	3982.2075	129A0	25115.374	3980.4991	294A0
25092.614	1984.1301	257A0	25104.865	3982.1653	155A0	25115.564	3980.4689	120A0
25092.808	1984.0788	141C0	25104.966	3982.1493	124C0	25115.657	3980.4543	126A0
25092.873	1984.0685	163A0	25105.172	3982.1301	181A0	25116.060	3980.3704	116A0
25093.242	1984.0100	123A0	25105.258	3982.0986	258A0	25116.441	3980.3299	117R0
25093.402	1983.9645	122A0	25105.470	3982.0684	119A0	25116.518	3980.3177	161A0
25093.650	1983.9442	169A0	25105.544	3982.0497	113A0	25116.631	3980.2861	106B0
25093.946	1983.8982	272A0	25105.765	3982.0226	124B0	25116.920	3980.2541	129A0
25094.220	1983.8567	156A0	25105.831	3982.0121	113A0	25116.985	3980.2436	12410
25094.474	1983.8140	174A0	25106.970	3981.9501	114B0	25117.287	3980.1959	10610
25094.555	1983.8015	164R0	25106.391	3981.9283	112R0	25117.373	3980.1823	105B0
25094.763	1983.7665	311A0	25106.521	3981.9027	131B0	25117.613	3980.1443	176A0
25095.000	1983.7308	152A0	25106.570	3981.8918	172A0	25118.316	3980.0329	154A0
25095.089	1983.7166	132A0	25106.921	3981.8392	118A0	25118.949	3979.9340	280A0
25095.284	1983.6889	163A0	25107.148	3981.8030	113A0	25119.347	3979.8675	126A0
			25107.305	3981.7784	129A0	25119.514	3979.8431	129C0

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SIGMA	HL	I PS CLASSIFICATION IOM	SIGMA	HL	I PS CLASSIFICATION IOM	SIGMA	HL	I PS CLASSIFICATION IOM
25110.585	1970.4319	16940	25130.145	3976.1594	29040	25140.047	3976.5924	14390
25110.663	1976.8194	1470A	25130.316	3976.1322	29040	25140.225	3976.5644	25140
25110.739	1979.4074	13740	25130.452	3976.1108	17740	25140.446	3976.5493	11940
25110.804	1979.7875	12120	25130.659	3976.0780	22080	25140.592	3976.5062	12640
25120.040	1979.7566	27840	25130.723	3976.0678	22080	25140.663	3976.4950	11640
25120.220	1979.7311	21440	25130.902	3976.0395	12740	25140.899	3976.4577	12140
25120.351	1979.7182	17540	25131.003	3976.0236	15140	25141.101	3976.4568	12340
25120.627	1979.6667	15040	25131.085	3976.0105	13480	25141.255	3976.3898	26340
25120.694	1979.6558	12900	25131.174	3976.0964	13640	25141.553	3976.3262	11040
25120.789	1979.6411	13140	25131.367	3976.0629	19640	25141.836	3976.3095	12240
25120.900	1979.6275	12140	25131.470	3976.0496	13380	25142.070	3976.2725	17740
25121.239	1979.5698	19540	25131.614	3976.0911	22040	25142.197	3976.2524	15140
25121.598	1979.5129	21140	25131.688	3976.0874	11880	25142.300	3976.2388	16640
25121.719	1979.4938	12940	25132.033	3976.0510	16880	25142.514	3976.2023	14840
25121.760	1979.4824	11840	25132.239	3976.0279	19740	25142.632	3976.1835	22540
25121.907	1979.4640	13500	25132.426	3976.0762	26240	25142.100	3976.1096	10240
25122.015	1979.4447	20640	25132.619	3976.0770	11080	25143.294	3976.0789	12340
25122.247	1979.4049	18640	25132.947	3976.07159	10140	25143.602	3976.0402	13240
25122.710	1979.3367	12280	25133.218	3976.0514	14540	25143.772	3976.0034	15040
25122.775	1979.3264	14540	25133.276	3976.0669	13240	25143.972	3976.0117	11940
25122.952	1979.3014	12440	25133.415	3976.0418	12840	25144.086	3976.0433	13340
25123.268	1978.2455	11740	25133.542	3976.0217	13040	25144.261	3976.0228	12080
25123.469	1978.2164	13440	25133.621	3976.0076	10480	25144.350	3976.0119	12640
25123.544	1978.2066	18840	25133.798	3976.0911	12240	25144.665	3976.0621	10140
25123.614	1978.1932	16080	25133.827	3976.0533	11840	25144.827	3976.0397	11640
25123.772	1978.1653	11080	25134.423	3976.0423	18640	25144.959	3976.0156	21540
25123.865	1978.1539	12800	25134.474	3976.0422	15940	25145.140	3976.0780	12340
25123.942	1978.1416	15840	25134.623	3976.0506	12180	25145.546	3976.0727	12540
25124.107	1978.1155	24440	25134.736	3976.0327	11440	25145.733	3976.0433	13240
25124.345	1978.0778	23040	25134.859	3976.0316	12200	25145.047	3976.0752	11640
25124.931	1978.0849	24040	25135.059	3976.0305	28740	25146.075	3976.0392	17440
25125.218	1978.9394	10080	25135.399	3976.0378	19440	25146.222	3976.0140	12740
25125.346	1978.9129	17180	25135.465	3976.0374	14200	25146.573	3976.0405	15400
25125.457	1978.9016	22440	25135.591	3976.0374	10240	25146.765	3976.0269	14340
25125.750	1978.8553	12440	25135.831	3976.0295	12440	25146.853	3976.0114	11440
25125.825	1978.8433	17240	25135.925	3976.0445	16880	25147.131	3976.0722	16740
25125.968	1978.8208	13740	25135.984	3976.0452	11940	25147.196	3976.0419	13080
25126.180	1978.7872	29440	25136.140	3976.0706	12840	25147.309	3976.0441	11190
25126.451	1978.7439	17140	25136.338	3976.0702	10480	25147.520	3976.0107	12540
25126.834	1978.6829	16040	25136.680	3976.0251	12940	25148.302	3976.0871	11040
25126.951	1978.6651	20140	25136.866	3976.0954	12740	25148.417	3976.0689	16340
25127.270	1978.6146	14540	25137.092	3976.0500	25740	25148.525	3976.0519	21740
25127.363	1978.5998	15080	25137.355	3976.0423	24640	25148.702	3976.0239	13740
25127.414	1978.5911	18840	25137.583	3976.0423	21840	25148.945	3976.0128	18140
25127.591	1978.5637	21240	25137.703	3976.0423	21840	25149.277	3976.0130	13340
25127.702	1978.5461	16480	25137.831	3976.0423	12080	25149.344	3976.0124	12340
25127.891	1978.5162	30040	25137.882	3976.0449	17540	25149.500	3976.0078	16440
25128.077	1978.4847	13240	25137.921	3976.0349	14480	25149.678	3976.0096	15840
25128.202	1978.4670	12240	25137.951	3976.0220	13340	25149.766	3976.0557	19140
25128.474	1978.4279	23240	25138.160	3976.0908	22440	25149.824	3976.0456	16640
25128.683	1978.3971	31340	25138.499	3976.0373	17640	25149.925	3976.0306	13980
25128.834	1978.3576	14180	25138.615	3976.0783	10580	25150.081	3976.0058	17241
25128.979	1978.3440	13240	25138.697	3976.0744	11040	25150.303	3976.0709	24640
25129.095	1978.3257	11480	25139.194	3976.0771	12640	25150.503	3976.0391	14040
25129.206	1978.3080	14480	25139.301	3976.0710	10940	25150.578	3976.0287	14640
25129.285	1978.2956	14280	25139.388	3976.0465	11880	25150.780	3976.0054	10140
25129.446	1978.2646	29840	25139.520	3976.0465	11880	25150.983	3976.0034	14440
25129.664	1978.2354	11840	25139.588	3976.0007	11140	25151.175	3976.0030	11240
25129.956	1978.1897	12880	25139.920	3976.0125	12340	25151.421	3976.0761	15840

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SIGMA	I	PS	CLASSIFICATION	ION	SIGMA	I	PS	CLASSIFICATION	ION	SIGMA	I	PS	CLASSIFICATION	ION
25151.525	1974	7776	16140		25175.026	3971	6678	16240		25175.026	3971	6678	16240	
25151.725	1974	7461	17040		25175.124	3971	5517	17340		25175.124	3971	5517	17340	
25151.981	1974	7215	15540		25175.250	3971	6257	16140		25175.250	3971	6257	16140	
25152.705	1974	5912	14240		25175.493	3970	4934	11540		25175.493	3970	4934	11540	
25153.322	1974	4970	11040		25176.620	3970	4735	11440		25176.620	3970	4735	11440	
25153.303	1974	4966	11040		25176.233	3970	4767	11040		25176.233	3970	4767	11040	
25153.497	1974	4660	12040		25176.600	3970	4149	11640		25176.600	3970	4149	11640	
25153.309	1974	4493	16040		25176.889	3970	7165	15740		25176.889	3970	7165	15740	
25153.809	1974	4167	14040		25176.980	3970	7590	15040		25176.980	3970	7590	15040	
25154.033	1974	3813	20040	1	25177.161	3970	7304	12740		25177.161	3970	7304	12740	
25154.298	1974	3396	22140		25177.255	3970	7155	18740		25177.255	3970	7155	18740	
25154.525	1974	3036	10740		25177.492	3970	6782	13140		25177.492	3970	6782	13140	
25154.908	1974	2431	11940		25177.703	3970	6648	19740		25177.703	3970	6648	19740	
25154.970	1974	2433	12040		25177.874	3970	6179	57180		25177.874	3970	6179	57180	
25155.352	1974	1776	10940		25178.069	3970	5872	31540	55170 5	25178.069	3970	5872	31540	
25155.447	1974	1579	12040		25178.330	3970	5941	21040		25178.330	3970	5941	21040	
25155.481	1974	1410	11840		25178.448	3970	5217	19040		25178.448	3970	5217	19040	
25155.753	1974	1090	13940		25178.645	3970	4869	11440		25178.645	3970	4869	11440	
25155.843	1974	8954	12740		25179.102	3970	4242	15740		25179.102	3970	4242	15740	
25155.905	1974	8955	13240		25179.209	3970	4074	17240		25179.209	3970	4074	17240	
25156.127	1974	8506	12440		25179.491	3971	3630	99040		25179.491	3971	3630	99040	
25156.240	1974	8327	18740		25179.586	3970	3480	11540		25179.586	3970	3480	11540	
25156.414	1974	8052	19540	30918 4	25179.720	3970	3248	19340		25179.720	3970	3248	19340	
25156.719	1973	9570	59740	29610 4	25179.807	3970	3131	187040		25179.807	3970	3131	187040	
25156.874	1973	9323	16880		25179.867	3970	3025	24540		25179.867	3970	3025	24540	
25157.024	1973	9088	21840		25180.074	3970	3110	15240		25180.074	3970	3110	15240	
25157.300	1973	8652	13840		25180.204	3970	2505	15440		25180.204	3970	2505	15440	
25157.457	1973	8404	11140		25180.352	3970	2200	11540		25180.352	3970	2200	11540	
25157.546	1973	8263	11240		25180.582	3970	1735	11840		25180.582	3970	1735	11840	
25157.860	1973	7625	17140		25180.834	3970	1512	21740		25180.834	3970	1512	21740	
25158.078	1973	7423	15440		25180.943	3970	1339	21040		25180.943	3970	1339	21040	
25158.350	1973	7181	15140		25181.099	3970	1094	15740		25181.099	3970	1094	15740	
25158.490	1973	6780	19040		25181.256	3970	8044	10540		25181.256	3970	8044	10540	
25158.919	1973	6094	24440		25181.525	3970	6423	12786		25181.525	3970	6423	12786	
25159.117	1973	5782	12940		25181.695	3970	6154	22440		25181.695	3970	6154	22440	
25159.387	1973	5356	13540		25181.948	3969	9755	124040		25181.948	3969	9755	124040	
25159.649	1973	4942	15440		25182.062	3969	9566	16340		25182.062	3969	9566	16340	
25159.717	1973	4835	19940		25182.287	3969	9252	17440		25182.287	3969	9252	17440	
25159.834	1973	4649	19240		25182.545	3969	9129	13040		25182.545	3969	9129	13040	
25159.962	1973	4448	10881		25182.581	3969	8757	11040		25182.581	3969	8757	11040	
25160.282	1973	4037	12740		25182.710	3969	8554	10240		25182.710	3969	8554	10240	
25160.301	1973	4037	13340		25182.709	3969	8082	18840		25182.709	3969	8082	18840	
25160.769	1973	3171	11180		25183.108	3969	7429	18640		25183.108	3969	7429	18640	
25160.962	1973	2849	10340		25183.262	3969	7684	15940		25183.262	3969	7684	15940	
25161.065	1973	2674	12340		25183.369	3969	7514	11240		25183.369	3969	7514	11240	
25161.203	1973	2449	15040		25183.621	3969	7118	16440		25183.621	3969	7118	16440	
25161.304	1973	2328	23940		25183.769	3969	6894	16640		25183.769	3969	6894	16640	
25161.542	1973	1952	16340		25184.008	3969	6507	21740		25184.008	3969	6507	21740	
25161.691	1973	1244	10580		25184.493	3969	4528	11240		25184.493	3969	4528	11240	
25162.049	1973	1099	10980		25184.815	3969	5235	12340		25184.815	3969	5235	12340	
25162.216	1973	9889	10840		25184.977	3969	4961	13040		25184.977	3969	4961	13040	
25162.262	1973	9784	10940		25184.070	3969	4834	11400		25184.070	3969	4834	11400	
25162.435	1973	9201	10940		25184.213	3969	4409	15788		25184.213	3969	4409	15788	
25162.649	1973	8205	11040		25184.322	3969	4436	13788		25184.322	3969	4436	13788	
25162.807	1973	8955	11740		25184.519	3969	4126	31640	25805 5	25184.519	3969	4126	31640	25805 5
25162.912	1973	8790	11540		25184.704	3969	3934	16940		25184.704	3969	3934	16940	
25163.082	1973	8462	10540		25184.727	3971	1143	13740		25184.727	3971	1143	13740	
25163.135	1973	8071	11940		25184.831	3971	1079	11440		25184.831	3971	1079	11440	
25163.309	1973	7163	14640											

SIGMA	I PS CLASSIFICATION IOM	WL	SIGMA	I PS CLASSIFICATION IOM	WL	SIGMA	I PS CLASSIFICATION IOM	WL	SIGMA	I PS CLASSIFICATION IOM	WL
25186.159	1949	3117	14440	25197.693	3967	4940	21390	25209.390	3965	6530	12140
25186.375	1949	2777	27240	25198.096	3967	4627	31754	25209.755	3945	5944	13040
25186.561	1949	2326	10440	25199.064	3967	4314	46440	25209.963	3945	5195	10680
25187.000	1949	1793	19180	25199.137	3967	4248	19880	25209.957	3945	5847	12340
25187.108	1949	1622	11940	25199.223	3967	4114	15140	25210.025	3945	5539	11240
25187.344	1949	1250	29340	25199.319	3947	3943	15180	25210.230	3965	5218	12340
25187.477	1949	1045	14840	25199.353	3947	3949	4100	25210.347	3965	5033	11340
25187.726	1949	0848	29540	25199.357	3967	3947	4140	25210.477	3965	4829	11040
25187.774	1949	0941	17740	25199.744	3967	3293	16140	25210.462	3965	5369	11140
25188.007	1949	0541	29440	25199.824	3967	3147	16840	25210.454	3965	4435	9840
25188.258	1949	0610	12440	25199.955	3947	2697	10440	25211.066	3965	3902	10340
25188.525	1949	0949	22440	25199.926	3967	2934	9140	25211.158	3965	3757	11740
25188.704	1949	9106	11440	25199.991	3947	2118	13240	25211.295	3945	3542	16940
25188.874	1949	8918	12040	25199.745	3967	1646	10640	25211.616	3965	3038	14040
25189.021	1949	8907	19540	25199.919	3967	1444	13140	25211.822	3965	2713	27040
25189.204	1949	8193	15940	25200.316	3947	1540	11278	25212.147	3945	2502	20840
25189.464	1949	7709	22240	25200.275	3947	0843	24940	25212.369	3945	1872	21678
25189.595	1949	7718	18270	25200.561	3947	0532	31140	25212.437	3965	1767	20478
25190.113	1949	6847	17440	25200.771	3947	0101	26940	25212.707	3965	1322	18040
25190.443	1949	6304	14240	25201.035	3946	9847	12060	25213.108	3965	0890	17340
25190.544	1949	6204	17140	25201.174	3946	9467	14570	25213.178	3965	0580	13278
25190.657	1949	6030	13778	25201.404	3946	9106	19140	25213.238	3965	0487	11440
25190.857	1949	5715	29140	25201.743	3946	8573	19940	25213.544	3965	0005	14040
25191.092	1949	5392	17440	25201.993	3946	8178	15940	25213.793	3964	9913	28440
25191.145	1949	5260	18174	25202.373	3946	7580	10440	25213.790	3964	9303	13440
25191.250	1949	5096	26240	25202.678	3946	7100	17140	25214.075	3944	9149	11178
25191.684	1949	4412	10780	25202.796	3946	6754	12440	25214.269	3944	8802	10440
25191.830	1949	4182	9780	25202.898	3946	6754	11040	25214.223	3944	8641	10800
25191.917	1949	4644	13740	25203.082	3946	6454	14240	25214.265	3944	8527	12440
25192.125	1949	3725	27540	25203.395	3946	6113	17540	25214.171	3964	7847	10840
25192.168	1949	3619	21174	25203.435	3946	4788	14680	25215.431	3964	6738	20240
25192.424	1949	3176	10480	25203.700	3946	4492	11340	25215.445	3964	6517	21140
25192.663	1949	2570	14440	25203.870	3946	4211	30980	25215.694	3964	6624	29040
25192.868	1949	2347	24940	25203.934	3946	4124	30440	25215.948	3964	6225	15240
25192.923	1949	2460	23178	25204.372	3946	4475	20540	25216.021	3964	6110	11090
25193.066	1949	2135	14140	25204.545	3946	4162	14140	25216.234	3964	5774	10078
25193.250	1949	1945	19140	25204.693	3946	3930	27440	25216.323	3964	5835	16040
25193.335	1949	1911	14480	25204.791	3946	3775	20280	25216.446	3964	5442	12480
25193.569	1949	1443	10474	25205.045	3946	3375	15680	25216.539	3964	5495	18240
25193.753	1949	1152	10474	25205.176	3946	3169	24524	25216.714	3964	5194	16340
25193.842	1949	0942	11074	25205.240	3946	3048	29440	25216.914	3964	4704	15440
25193.842	1949	0942	11074	25205.466	3946	2712	19440	25217.015	3964	4467	16740
25194.057	1949	0876	15280	25205.693	3946	2745	25240	25217.019	3964	4466	15840
25194.112	1949	0548	16800	25205.970	3946	1919	13740	25217.254	3964	4465	26040
25194.214	1949	0315	25440	25206.161	3946	1619	16440	25217.425	3964	3963	12040
25194.424	1949	0496	02740	25206.347	3946	1359	12840	25217.499	3964	3786	11240
25194.645	1949	0946	02740	25206.540	3946	1010	11840	25217.583	3964	3655	11440
25194.816	1949	9436	13340	25206.675	3946	0809	20340	25217.725	3964	3431	11440
25195.049	1949	9111	13640	25206.883	3946	0683	14540	25217.828	3964	3249	13640
25195.167	1949	4925	16240	25207.201	3945	9943	9478	25218.011	3964	2982	10778
25195.434	1949	4505	16240	25207.405	3945	9661	19740	25218.075	3964	2860	14140
25196.000	1949	7614	12640	25207.546	3945	9440	13340	25218.272	3944	2572	11580
25196.306	1949	7132	15040	25207.724	3945	9159	13440	25218.444	3944	2246	25840
25196.432	1949	6933	12140	25207.975	3945	8765	11674	25218.595	3944	2044	25840
25196.550	1949	6748	12640	25208.148	3945	8462	23440	25218.666	3944	1903	15378
25196.811	1949	6337	22440	25208.321	3945	8520	10080	25218.788	3964	1760	14140
25196.974	1949	6040	11180	25208.478	3945	7973	12440	25218.869	3964	1633	12440
25197.176	1949	5742	18440	25208.713	3945	7604	12340	25219.061	3964	1330	13948
25197.304	1949	5341	13180	25208.348	3945	7392	39948	25219.261	3964	1048	26840
25197.485	1949	5276	13140	25209.014	3945	7131	10740	25219.447	3964	0725	10780

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SIGMA	I PS CLASSIFICATION	ION	WL	SIGMA	I PS CLASSIFICATION	ION	WL	SIGMA	I PS CLASSIFICATION	ION	WL	SIGMA	I PS CLASSIFICATION	ION
25254.330	1958.5968	14880	25264.525	3955.3730	21840	25283.051	3958.0998	27640	32928 8	7645 8 1				
25254.401	1959.5858	14078	25268.858	3956.3209	16680	25284.086	3959.9379	13280						
25254.502	1959.5698	11090	25268.934	3956.7689	15880	25284.337	3959.8987	22540						
25254.957	1958.4986	24940	25269.990	3956.3002	15780	25284.601	3959.8575	10790						
25255.329	1958.4403	11280	25269.103	3956.32340	31518 5	25284.797	3959.8259	12190						
25255.504	1958.4128	17680	25269.475	3956.3243	16880	25284.870	3959.8154	15480						
25255.611	1958.3334	12080	25269.644	3956.3279	25540	25285.024	3959.7914	22940	32611 7	7326 7 1				
25255.344	1958.2809	12380	25269.817	3956.3170	17780	25285.264	3959.7537	11680						
25256.482	1958.3595	18580	25270.104	3956.3258	11080	25285.366	3959.7409	11680						
25256.748	1958.2178	19980	25270.210	3956.3092	17880	25285.598	3959.7014	17480						
25257.047	1958.1750	17500	25270.303	3956.0946	11880	25285.825	3959.6661	32340	25906 5	620 5 11				
25257.310	1958.1298	22240	25270.447	3956.0720	11982	25286.010	3959.6104	22080						
25257.533	1958.0948	10640	25270.701	3956.0324	26140	25286.181	3959.5304	30540	27581 6	4294 5 22				
25257.765	1958.0585	25240	25271.126	3955.9657	11380	25286.408	3959.5364	16380						
25257.993	1958.0227	21080	25271.609	3955.8901	17580	25286.654	3959.5366	14380						
25258.194	1957.9913	21880	25271.739	3955.8698	14780	25286.826	3959.5096	14380						
25258.290	1957.9762	19280	25272.261	3955.7882	13180	25286.931	3959.4931	16490						
25258.420	1957.9558	13780	25272.416	3955.7439	19042	25287.050	3959.4746	26840						
25258.542	1957.9366	16594	25272.656	3955.7243	15480	25287.265	3959.4409	21980	32932 9	7645 8 1				
25258.625	1957.9237	14780	25272.748	3955.7119	22940	25287.424	3959.4160	13280						
25258.699	1957.9120	15194	25272.793	3955.6720	15482	25287.941	3959.3852	12580						
25259.196	1957.8406	12494	25273.172	3955.6455	17880	25288.163	3959.3006	12980						
25259.273	1957.8191	23180	25273.299	3955.6256	17880	25288.422	3959.2501	12780						
25259.360	1957.8085	21940	25273.860	3955.5378	11780	25288.694	3959.2175	12480						
25259.555	1957.7790	15180	25273.929	3955.5271	17580	25289.171	3959.1830	16980	32615 6	7326 7 1				
25259.640	1957.7646	16480	25273.982	3955.5187	11480	25289.388	3959.1090	13880						
25260.096	1957.6931	11700	25274.158	3955.4912	18280	25289.450	3959.0944	13380						
25260.764	1957.6850	10594	25274.490	3955.4392	12980	25289.814	3959.0425	13080						
25261.022	1957.6681	11880	25274.606	3955.4311	12980	25290.044	3959.0064	28040	25910 4	620 5 11				
25261.275	1957.6086	13980	25274.761	3955.3949	17680	25290.234	3959.0167	18590						
25261.324	1957.5807	17704	25274.945	3955.3680	27940	25290.343	3959.0397	29740	29158 4	3868 3 11				
25261.444	1957.5820	12480	25275.114	3955.3416	21280	25290.584	3959.0220	29140	33154 6	7645 8 1				
25261.672	1957.4462	17180	25275.353	3955.3041	17080	25290.769	3959.0332	22080						
25262.293	1957.3491	21580	25275.703	3955.2494	12380	25290.890	3959.0173	13380						
25262.546	1957.3093	13394	25276.415	3955.1379	11080	25291.072	3959.0457	15780						
25262.546	1957.3093	13394	25276.612	3955.1072	15980	25291.339	3959.0804	17380						
25262.655	1957.2923	21340	25276.663	3955.0901	15290	25291.576	3959.0761	10390						
25262.765	1957.2732	20240	25276.732	3955.0894	13180	25291.976	3959.0745	13480						
25263.301	1957.1817	10580	25277.299	3955.0027	11480	25292.059	3959.0515	12180						
25263.560	1957.1506	12180	25277.597	3954.9843	18480	25292.364	3959.0608	18694						
25263.764	1957.1155	12580	25277.628	3954.9442	15680	25292.980	3959.0361	27040	31083 5	5790 3 22				
25264.078	1957.0691	10294	25278.320	3954.8400	12880	25292.929	3959.0361	27040	31284 5	5991 4 1				
25264.213	1957.0483	13680	25278.491	3954.8131	11480	25293.191	3959.0546	14780						
25264.329	1957.0301	24140	25278.601	3954.7959	13980	25293.290	3959.0499	19780						
25264.427	1957.0147	25440	25278.751	3954.7724	13480	25293.372	3959.0464	14490						
25264.703	1956.9715	11480	25279.426	3954.6999	17680	25293.614	3959.0485	28840	33412 6	8118 7 1				
25264.833	1956.9512	15694	25279.426	3954.6669	31040	25293.721	3959.0318	21580	29747 3	4453 4 1				
25264.931	1956.9358	24340	25279.761	3954.6177	26340	25293.872	3959.0482	16580	34049 6	8755 6 2				
25265.086	1956.9115	17680	25279.965	3954.6825	13862	25294.159	3959.0634	10790						
25265.156	1956.9006	15394	25280.212	3954.6439	12680	25294.574	3959.0286	20140						
25265.482	1956.8621	13480	25280.248	3954.6726	22640	25294.807	3959.0261	24440						
25265.589	1956.8374	22240	25280.688	3954.6519	11880	25294.919	3959.0246	10080						
25266.072	1956.7830	13180	25280.803	3954.6515	11880	25295.198	3959.0210	15480						
25266.072	1956.7830	14980	25281.195	3954.6401	14680	25295.272	3959.0195	11490						
25266.830	1956.6383	9780	25281.474	3954.3465	10580	25295.454	3959.0160	14280						
25267.007	1956.6107	21140	25281.701	3954.3111	15380	25295.523	3959.0153	14580						
25267.184	1956.5829	10380	25282.031	3954.2594	16080	25295.574	3959.0123	12880						
25267.295	1956.5655	11390	25282.210	3954.2314	25380	25295.778	3959.0104	14580	29749 3	4453 4 1				
25267.447	1956.5418	14980	25282.283	3954.3200	22540	25296.012	3959.0092	18680						
25268.052	1956.4407	12980	25282.612	3954.3373	13380	25296.109	3959.0062	18680						

I P S CLASSIFICATION ION		I P S CLASSIFICATION ION		I P S CLASSIFICATION ION		I P S CLASSIFICATION ION	
SIGMA	WL	SIGMA	WL	SIGMA	WL	SIGMA	WL
25296.257	952.0356	25308.426	3950.1353	25322.410	3947.9537	25331.209	3946.5024
25296.372	1750.1750	25308.479	3950.1270	25322.683	3947.9113	25331.695	3946.5066
25297.024	9151.9158	25308.647	3950.1008	25322.876	3947.8811	25332.112	3946.4418
25297.117	951.9028	25308.741	3950.0840	25322.927	3947.8732	25332.686	3946.3523
25297.444	951.8470	25308.942	3950.0515	25323.065	3947.8642	25333.159	3946.2474
25297.526	951.8373	25309.112	3950.0282	25323.160	3947.8569	25333.658	3946.1398
25297.774	951.7970	25309.400	3949.9843	25323.270	3947.8197	25334.442	3946.0787
25297.961	951.7693	25309.589	3949.9537	25323.365	3947.8050	25334.830	3946.0183
25298.192	951.7332	25309.994	3949.8905	25323.515	3947.7815	25335.161	3945.9985
25298.320	951.7133	25310.250	3949.8506	25323.657	3947.7682	25335.318	3945.9423
25298.512	951.6832	25310.325	3949.8389	25324.176	3947.6785	25335.682	3945.8857
25298.603	951.6691	25310.780	3949.7679	25324.428	3947.6392	25336.041	3945.8397
25298.744	951.6471	25310.940	3949.7428	25324.546	3947.6208	25336.322	3945.7859
25298.950	951.6149	25311.027	3949.7594	25324.993	3947.5512	25336.753	3945.7188
25299.348	951.5599	25311.193	3949.7034	25325.072	3947.5388	25337.139	3946.6337
25299.527	951.5227	25311.613	3949.6579	25325.136	3947.5008	25337.695	3946.5244
25299.680	951.5087	25311.793	3949.6119	25325.663	3947.4400	25338.289	3946.4758
25299.857	951.4732	25312.039	3949.5714	25326.246	3947.3559	25339.442	3946.8578
25300.072	951.4336	25312.438	3949.5091	25326.526	3947.3122	25339.608	3946.8318
25300.144	951.4294	25312.725	3949.4655	25326.568	3947.3384	25339.765	3946.8075
25300.384	951.3709	25312.834	3949.4473	25327.419	3947.1730	25339.946	3946.7858
25300.435	951.3629	25312.987	3949.4236	25327.923	3947.0945	25340.289	3946.7082
25300.928	951.3059	25313.226	3949.3863	25328.680	3946.9765	25340.552	3946.6847
25301.069	951.2939	25313.404	3949.3594	25328.763	3946.9616	25340.747	3946.6544
25301.172	951.2678	25313.637	3949.3221	25329.003	3946.9262	25341.139	3946.5934
25301.377	951.2359	25313.864	3949.2867	25329.268	3946.8845	25341.633	3946.5244
25301.553	951.2084	25314.087	3949.2520	25329.442	3946.8578	25342.003	3946.8678
25301.685	951.1977	25314.467	3949.1927	25329.608	3946.8318	25342.442	3946.8578
25301.983	951.1412	25314.598	3949.1722	25329.944	3946.8118	25342.944	3946.8318
25302.372	951.0804	25314.944	3949.1182	25330.289	3946.7858	25343.442	3946.8118
25302.513	951.0584	25315.221	3949.0750	25330.552	3946.7082	25343.695	3946.7858
25302.576	951.0486	25315.326	3949.0585	25330.747	3946.6544	25343.946	3946.7188
25302.770	951.0152	25315.558	3949.0224	25331.139	3946.6337	25344.209	3946.6544
25303.109	951.9653	25315.789	3948.9864	25331.695	3946.5244	25344.695	3946.5934
25303.425	951.9161	25316.064	3948.9434	25332.897	3946.3194	25345.139	3946.5244
25303.735	951.8676	25316.525	3948.8716	25333.255	3946.2637	25345.695	3946.4758
25304.203	951.7945	25316.950	3948.8053	25333.658	3946.2474	25346.139	3946.4544
25304.200	951.7809	25317.355	3948.7420	25334.057	3946.1887	25346.633	3946.4200
25304.539	951.7421	25317.427	3948.7308	25334.340	3946.1620	25347.139	3946.3523
25304.712	951.7151	25317.702	3948.6880	25334.442	3946.1487	25347.633	3946.2850
25304.777	951.7049	25317.911	3948.6553	25334.830	3946.1183	25348.139	3946.2637
25304.905	951.6850	25318.082	3948.6287	25335.161	3945.9985	25348.633	3946.2474
25304.970	951.6748	25318.245	3948.6033	25335.318	3945.9423	25349.139	3946.2260
25305.186	951.6410	25318.439	3948.5730	25335.682	3945.8857	25349.633	3946.2080
25305.364	951.6127	25318.647	3948.5407	25336.041	3945.8397	25350.139	3946.1887
25305.464	951.5977	25318.866	3948.5064	25336.322	3945.7859	25350.633	3946.1620
25305.710	951.5593	25319.040	3948.4793	25336.753	3945.7188	25351.139	3946.1487
25305.955	951.5210	25319.294	3948.4428	25337.139	3945.6666	25351.633	3946.1270
25306.039	951.5079	25319.561	3948.3949	25337.695	3945.6111	25352.139	3946.1080
25306.261	951.4733	25319.788	3948.3752	25338.289	3945.5599	25352.633	3945.5840
25306.521	951.4326	25319.857	3948.3519	25338.658	3945.5214	25353.139	3945.5624
25306.628	951.4160	25320.002	3948.3292	25339.041	3945.4840	25353.633	3945.5410
25306.745	951.3977	25320.228	3948.2940	25339.442	3945.4418	25354.139	3945.5214
25306.942	951.3670	25320.444	3948.2604	25339.946	3945.3946	25354.633	3945.5008
25307.134	951.3369	25320.572	3948.2404	25340.442	3945.3520	25355.139	3945.4840
25307.222	951.3223	25320.684	3948.2329	25340.946	3945.3260	25355.633	3945.4633
25307.343	951.3043	25320.998	3948.1738	25341.442	3945.2980	25356.139	3945.4418
25307.546	951.2727	25321.299	3948.1270	25341.946	3945.2760	25356.633	3945.4200
25307.637	951.2584	25321.364	3948.1149	25342.442	3945.2584	25357.139	3945.4008
25307.874	951.2214	25322.062	3948.0179	25342.946	3945.2410	25357.633	3945.3840



SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
25337.033	1945.672	18280		25349.704	3943.7030	11180		25363.171	3941.6089	12690	
25337.200	1945.642	14280		25349.806	3943.4871	11480		25363.269	3941.5937	10480	
25337.315	1945.6313	20080	29790 5 4453 4 1	25350.195	3943.6245	17180		25363.363	3941.4859	12980	
25337.542	1945.5960	11368		25350.411	3943.5930	24140		25364.129	3941.4601	24240	31031 2 5667 3 2
25337.652	1945.5789	17140		25350.721	3943.5448	12480		25364.205	3941.4482	15668	
25337.917	1945.5395	13980	31100 4 5762 5 1	25350.748	3943.5327	12680		25364.331	3941.4287	13680	
25338.307	1945.4748	9380		25351.032	3943.6963	17240	29936 6 2	25364.756	3941.3627	14280	
25338.581	1945.4342	14580		25351.159	3943.6766	14668		25364.909	3941.3389	14280	33229 4 7864 5 1
25338.684	1945.4192	14280		25351.313	3943.6566	11980		25365.742	3941.3094	12568	
25339.206	1945.3349	11680		25351.317	3943.3743	11080		25365.808	3941.1992	14580	
25339.493	1945.2922	8180		25352.035	3943.3404	9880		25365.878	3941.1882	10180	
25339.729	1945.2594	12080	31784 3 6445 4 2	25352.123	3943.3267	14168		25366.134	3941.1484	12980	
25339.836	1945.2348	10180		25352.371	3943.2881	12080		25366.567	3941.0812	17480	33877 6 8510 5 2
25339.948	1945.2214	10480		25352.627	3943.2443	14668		25367.014	3941.0118	14380	
25340.024	1945.2095	8480		25352.871	3943.2103	10268		25367.120	3940.9954	13580	
25340.338	1945.1765	16680		25352.973	3943.1945	16780		25367.398	3940.9521	15380	31129 5 5762 5 1
25341.393	1944.9943	90680		25353.322	3943.1402	16080		25367.518	3940.9335	9680	
25341.521	1944.9765	15780		25353.495	3943.1132	10580		25367.620	3940.9177	13168	
25341.748	1944.9411	10668	33474 4 8133 4 1	25353.579	3943.1003	8180		25367.876	3940.9049	18280	
25341.820	1944.9249	14280		25353.871	3943.0548	13280		25367.952	3940.8972	13168	
25342.016	1944.8994	15280		25354.229	3942.9991	7480	31603 6 6249 6 1	25368.113	3940.8911	17880	
25342.161	1944.8944	15280		25354.473	3942.9612	9580		25368.202	3940.8272	10268	
25342.173	1944.8719	9680		25354.875	3942.8765	13780		25368.307	3940.8108	11180	
25342.264	1944.8607	9480		25355.256	3942.8393	29240	2	25368.787	3940.7364	9080	
25342.682	1944.7957	8268		25355.422	3942.8136	85240	25975 4	25369.043	3940.6965	13880	
25342.840	1944.7712	13280		25355.500	3942.8014	22880	620 5 11	25369.388	3940.6429	18180	
25342.967	1944.7513	9380		25355.878	3942.7738	8468	8521 7 2	25369.628	3940.6057	23640	
25343.324	1944.6958	9080		25356.848	3942.7474	7468		25369.866	3940.5781	16680	
25343.387	1944.6880	10180		25356.913	3942.7042	14280		25369.902	3940.5631	21880	
25343.507	1944.6673	11380		25356.969	3942.6663	12580		25370.191	3940.5199	14780	
25343.648	1944.6453	11180		25356.980	3942.6367	14568		25370.413	3940.4838	30440	26295 5 914 4 22
25343.684	1944.6088	7280	32670 6 7326 7 1	25356.983	3942.6248	17480		25370.595	3940.4555	17380	
25343.895	1944.5898	16168		25356.726	3942.6108	24740	29810 3 4453 4 1	25370.668	3940.4441	15680	
25344.005	1944.5821	9380		25357.177	3942.5719	20080	25356 5 0 4 2	25370.859	3940.4146	14180	34612 4 9241 4 2
25344.546	1944.5056	10380	34201 3 8856 2 1	25357.976	3942.5108	27040	34112 5 8745 6 2	25370.944	3940.4014	16480	
25344.826	1944.4485	12980		25357.436	3942.5004	11480	32461 4 7103 3 1	25371.342	3940.3395	8980	
25345.323	1944.3847	10580		25357.972	3942.4638	20140		25371.576	3940.3032	13580	
25345.366	1944.3780	10268		25357.798	3942.4441	11368		25371.889	3940.2546	19340	
25345.601	1944.3414	8680		25357.910	3942.4267	11580		25372.014	3940.2352	12480	
25345.851	1944.3035	7480		25358.145	3942.3839	14880		25372.248	3940.2050	7880	
25345.936	1944.2832	10580		25358.583	3942.3221	7268		25372.528	3940.1688	19880	
25346.046	1944.2721	16580		25358.788	3942.2903	12980		25372.967	3940.1871	14780	
25346.137	1944.2579	15480		25359.056	3942.2445	22840		25373.065	3940.0719	21040	
25346.322	1944.2282	16480		25359.178	3942.2294	12848		25373.471	3940.0089	12080	
25346.594	1944.1859	12380		25359.349	3942.2030	7568		25373.652	3939.9746	10980	
25346.927	1944.1652	15580	29932 7 4585 6 22	25359.463	3942.1852	9280		25374.608	3939.8323	8280	
25347.125	1944.1246	30240		25360.118	3942.0835	19180		25374.817	3939.7998	18780	
25347.332	1944.0720	12280		25360.380	3942.0427	27240		25374.904	3939.7863	13568	
25347.787	1944.0013	10180		25360.451	3942.0302	18868		25375.109	3939.7545	24440	
25348.100	1943.9525	7168		25360.656	3941.9998	9980		25375.278	3939.7282	12980	
25348.400	1943.9058	19180		25361.185	3941.9796	10980		25375.430	3939.7047	9080	
25348.450	1943.8940	20480		25361.486	3941.8708	14880		25375.558	3939.6848	11880	
25348.576	1943.8784	15480	31339 5 5991 4 1	25361.609	3941.8518	11368		25375.693	3939.6638	16480	
25348.743	1943.8525	256680		25361.809	3941.8518	11368		25375.771	3939.6518	13380	
25348.978	1943.8160	14064	25348 6 0 6 11	25361.932	3941.8016	11582		25375.992	3939.6174	10080	
25349.235	1943.7760	21680		25362.159	3941.7642	26540	32367 7 7005 6 1	25376.070	3939.6053	10780	
25349.314	1943.7656	16668		25362.401	3941.7266	16380		25376.741	3939.5012	7480	
25349.384	1943.7527	13868		25362.692	3941.6834	9380		25376.936	3939.4708	15480	
25349.454	1943.7419	13480		25362.920	3941.6479	17580		25377.157	3939.4365	20940	
25349.555	1943.7261	13280		25362.985	3941.6378	16180					



I P S CLASSIFICATION ION		I P S CLASSIFICATION ION		I P S CLASSIFICATION ION		I P S CLASSIFICATION ION		
SIGMA	WL	SIGMA	WL	SIGMA	WL	SIGMA	WL	
25418.716	1932.9955	11480	25431.537	3931.0127	28140	25445.133	3928.9122	12380
25418.844	1932.9758	75CA	25431.764	3930.9777	28140	25445.176	3928.9056	128A0
25419.095	1932.9369	194A0	25432.059	3930.9259	17280	25445.220	3928.8941	105A0
25419.464	1932.8798	148B0	25432.237	3930.8660	13580	25445.272	3928.8600	192A0
25419.692	1932.8445	15780	25432.521	3930.8069	12780	25445.326	3928.8246	206A0
25419.845	1932.8209	134CA	25432.523	3930.8062	14880	25445.395	3928.7930	159A0
25419.946	1932.8053	184A0	25432.719	3930.8300	12780	25445.465	3928.7838	155A0
25420.263	1932.7562	10080	25433.048	3930.7791	189A0	25446.033	3928.7733	130C8
25420.355	1932.7419	10380	25433.156	3930.7624	125C8	25446.119	3928.7601	11080
25420.516	1932.7171	17080	25433.448	3930.7173	81C8	25446.281	3928.7349	165A0
25420.830	1932.6695	15380	25433.638	3930.6879	11680	25446.521	3928.6980	9280
25421.008	1932.6410	19580	25434.332	3930.6208	14980	25446.663	3928.6750	131A0
25421.211	1932.6095	8380	25434.393	3930.6174	13780	25447.072	3928.6129	128A0
25421.795	1932.5501	9180	25434.493	3930.5559	10780	25447.152	3928.6005	12380
25421.723	1932.5303	11180	25434.712	3930.5220	12680	25447.448	3928.5560	119A0
25421.922	1932.4949	16080	25434.865	3930.4984	13680	25447.939	3928.4790	125A0
25422.163	1932.4622	113C8	25435.017	3930.4749	16880	25448.112	3928.4431	216A0
25422.262	1932.4469	176A0	25435.245	3930.4395	294A0	25448.456	3928.3992	171A0
25422.830	1932.3591	12480	25435.434	3930.4105	22780	25448.757	3928.3527	9981
25423.014	1932.3306	14680	25435.739	3930.3634	301A0	25448.665	3928.3360	103A0
25423.652	1932.2319	11280	25435.930	3930.3338	18880	25448.972	3928.3195	153A0
25423.896	1932.2035	9680	25436.332	3930.2717	231A0	25449.240	3928.2782	231A0
25424.011	1932.1763	17680	25436.556	3930.2371	11780	25449.241	3928.2626	155C8
25424.170	1932.1518	16980	25436.919	3930.1825	11080	25449.454	3928.2451	124A0
25424.244	1932.1404	184A0	25437.252	3930.1295	14580	25449.557	3928.2277	127A0
25424.351	1932.1237	15980	25437.584	3930.0813	215A0	25449.883	3928.11789	9082
25424.436	1932.1106	18780	25438.014	3930.0119	200A0	25450.206	3928.1691	86C8
25424.598	1932.0956	22380	25438.246	3929.9760	85CA	25450.451	3928.0913	184A0
25424.782	1932.0722	24480	25438.355	3929.9591	9580	25450.572	3928.0726	181A0
25425.007	1932.0224	348A0	25438.611	3929.9195	13580	25450.736	3928.0472	147A0
25425.201	1931.9924	20080	25438.662	3929.9117	13380	25450.859	3928.0283	133C8
25425.269	1931.9818	20480	25438.861	3929.8809	14280	25450.978	3928.0099	218A0
25425.335	1931.9717	18480	25438.941	3929.8685	149C8	25451.100	3927.9910	173A0
25425.404	1931.9610	18180	25439.051	3929.8515	10080	25451.347	3927.9530	188A0
25425.684	1931.9486	16380	25439.289	3929.8147	233A0	25451.563	3927.9196	100A0
25425.890	1931.9308	13680	25439.448	3929.7871	21880	25451.812	3927.8811	115A0
25425.970	1931.9121	123CA	25439.717	3929.7481	187CA	25451.970	3927.8577	114A0
25425.977	1931.8923	14880	25439.908	3929.7198	17180	25452.031	3927.8374	194A0
25425.977	1931.8723	14380	25439.995	3929.7057	204A0	25452.135	3927.8214	234A0
25426.353	1931.8142	16080	25440.101	3929.6893	123C8	25452.380	3927.7936	154A0
25426.545	1931.7845	10180	25440.447	3929.6359	13080	25452.613	3927.7575	252A0
25426.609	1931.7747	10480	25440.615	3929.6100	15480	25452.766	3927.7293	126A0
25426.908	1931.7161	8580	25440.902	3929.5657	19380	25452.876	3927.7170	106C8
25427.070	1931.7034	9880	25441.046	3929.5435	16180	25453.090	3927.6840	177A0
25427.305	1931.6671	8482	25441.468	3929.4782	15680	25453.307	3927.6504	134A0
25427.785	1931.5927	79C8	25441.670	3929.4470	10980	25453.462	3927.6266	143C8
25428.040	1931.5533	17380	25441.774	3929.4310	9780	25453.566	3927.6105	242A0
25428.118	1931.5413	169CA	25441.872	3929.4158	11980	25453.806	3927.5735	193A0
25428.336	1931.5070	254A0	25442.117	3929.3719	13580	25454.429	3927.4773	198A0
25428.551	1931.4607	255A0	25442.410	3929.3228	14780	25454.666	3927.4407	115C8
25428.781	1931.4361	12280	25442.717	3929.2854	17480	25454.782	3927.4228	212A0
25428.757	1931.4279	14880	25442.955	3929.2466	16980	25454.988	3927.3911	84C8
25428.872	1931.4201	12680	25443.157	3929.2173	17880	25455.119	3927.3709	73C8
25428.914	1931.2636	12180	25443.604	3929.1463	12280	25455.450	3927.3198	182A0
25430.101	1931.2347	11280	25443.775	3929.1220	16680	25455.694	3927.2821	10580
25430.328	1931.1997	265A0	25443.946	3929.0955	9680	25455.787	3927.2678	113A0
25430.623	1931.1540	14280	25443.985	3929.0895	9180	25455.866	3927.2557	137A0
25430.853	1931.1185	18380	25444.208	3929.0550	259A0	25456.122	3927.2162	261A0
25431.081	1931.0831	17180	25444.499	3929.0102	119A0	25456.378	3927.1766	134A0
25431.152	1931.0723	15580	25444.932	3929.9433	197A0	25456.609	3927.1410	274A0

Table with columns: SIGMA, I PS CLASSIFICATION ION, W, I PS CLASSIFICATION ION, SIGMA, W, I PS CLASSIFICATION ION, SIGMA, W, I PS CLASSIFICATION ION. Rows contain numerical data for various ion classifications.

SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
25493.198	921.5045	16740		25504.602	3919.7510	11180		25515.675	3918.0499	185C8	
25493.415	921.412	96CA		25504.827	3919.7164	22440		25515.786	3918.0329	105C8	
25493.590	921.4441	18740		25504.893	3919.7063	174C8		25515.856	3918.0221	10140	
25493.798	921.4123	10140		25505.297	3919.6442	11140	26125 4	25516.110	3917.9831	183C8	
25494.159	921.3867	94CA		25505.603	3919.5972	16440		25516.216	3917.9669	27400	32642 6 7326 7 11
25494.530	921.2996	10440		25505.755	3919.5738	18740		25516.295	3917.9547	175C8	
25494.589	921.2906	100CA		25505.962	3919.5420	15440		25516.427	3917.9344	12040	
25494.763	921.2638	173CA		25506.024	3919.5324	14140		25516.684	3917.8950	11640	
25495.003	921.2268	27240	27244 6	25506.156	3919.5121	17340		25516.959	3917.8527	13140	
25495.247	921.1893	26340		25506.609	3919.4425	10380		25517.166	3917.8209	25840	
25495.357	921.1724	19240	31744 5	25506.727	3919.4344	10180		25517.244	3917.8044	154C8	
25495.499	921.1506	18240	25495 3	25507.058	3919.3735	8480		25517.363	3917.7907	10280	
25495.993	921.0761	26940		25507.324	3919.3327	19440		25517.421	3917.7818	86C8	
25496.144	921.0514	16540		25507.396	3919.3217	134C8		25517.723	3917.7354	17440	
25496.376	921.0157	21840	1	25507.841	3919.2533	12440		25517.901	3917.7081	89C8	
25496.459	921.0029	152C8		25508.075	3919.2174	28400		25518.152	3917.6696	12340	
25496.575	920.9851	12740		25508.153	3919.2053	184C8		25518.220	3917.6591	12740	
25496.706	920.9649	16340		25508.444	3919.1605	9580		25518.296	3917.6474	13440	
25496.974	920.9217	19440		25508.705	3919.1206	11640		25518.342	3917.6404	14240	
25497.126	920.9003	9440		25508.944	3919.0808	21940		25518.440	3917.6284	162C8	
25497.434	920.8529	9480		25509.118	3919.0570	14740		25518.553	3917.6081	28740	27267 5 1749 6 2
25497.569	920.8324	16140		25509.217	3919.0418	18440		25518.632	3917.5959	291C8	
25498.107	920.7474	87CA		25509.296	3919.0298	114C8		25518.736	3917.5799	17840	
25498.433	920.5993	18540		25509.382	3919.0165	11140		25519.016	3917.5369	17440	
25498.582	920.6795	11240		25509.518	3918.9956	10340		25519.233	3917.5076	15940	
25498.745	920.6514	10940		25509.609	3918.9815	12640		25519.452	3917.4700	28540	
25498.947	920.6203	9540		25509.842	3918.9458	28140		25519.528	3917.4493	195C8	
25499.103	920.5964	94CA		25509.920	3918.9338	189C8		25519.729	3917.4274	10480	
25499.316	920.5635	18240		25510.238	3918.8849	11180		25519.771	3917.4211	11380	
25499.406	920.5497	15640		25510.283	3918.8780	11140		25519.698	3917.4016	116C8	
25499.485	920.5376	137CA	34741 4	25510.474	3918.8487	25400	29963 3	25520.000	3917.3864	21340	
25499.599	920.5201	17140	9241 4	25510.641	3918.7823	12440		25520.239	3917.3692	10240	
25499.728	920.5002	25040		25510.949	3918.7758	13540		25520.359	3917.3508	139C8	
25499.789	920.4908	22040		25511.101	3918.7524	10180		25520.475	3917.3130	22740	
25500.042	920.4519	15540		25511.196	3918.7378	13240		25520.604	3917.2931	27240	
25500.131	920.4392	17340		25511.336	3918.7163	18140		25520.821	3917.2599	183C8	
25500.335	920.4059	16080		25511.485	3918.6934	13740		25520.932	3917.2429	28540	
25500.390	920.3984	11540	30085 5	25511.718	3918.6577	109C8	4585 6	25521.023	3917.2289	25640	
25500.447	920.3866	134CA		25511.786	3918.6473	13040		25521.264	3917.1919	13840	
25500.586	920.3643	85CA		25511.895	3918.6304	16780		25521.604	3917.1704	19140	
25500.849	920.3279	15540		25511.948	3918.6223	17540		25521.501	3917.1556	27440	
25500.941	920.3137	10680		25512.558	3918.5692	14280		25521.750	3917.1172	106C8	
25501.177	920.2775	11240		25512.635	3918.5167	23440	29313 6	25521.818	3917.1069	12640	
25501.399	920.2543	11440		25512.715	3918.5045	138C8		25521.985	3917.0812	16640	
25501.785	920.1870	10940		25512.912	3918.4743	10080		25522.115	3917.0613	171C8	
25501.885	920.1847	11440		25513.074	3918.4493	13840		25522.220	3917.0451	28440	
25501.991	920.1523	11640		25513.289	3918.4163	10880		25522.436	3917.0119	20840	
25502.124	920.1318	13740		25513.483	3918.3866	19440		25522.677	3916.9750	20440	
25502.333	920.0997	14480		25513.661	3918.3591	11580		25522.774	3916.9601	15780	
25502.681	920.0463	9980		25514.052	3918.2992	24740	20967 4	25522.975	3916.9493	15740	
25502.970	920.0019	11780		25514.133	3918.2848	153C8		25523.105	3916.9493	15740	
25503.204	919.9655	15340		25514.292	3918.2623	19440		25523.325	3916.8755	11840	
25503.694	919.8935	13140		25514.466	3918.2355	13840	36501 7	25523.753	3916.8098	16440	
25503.789	919.8759	21240		25514.590	3918.2212	9480		25523.818	3916.7999	134C8	
25503.874	919.8629	9180		25514.779	3918.1853	12540		25523.897	3916.7878	11840	
25504.017	919.8410	13140		25515.032	3918.1447	26140	29790 5	25524.292	3916.7272	10640	
25504.086	919.8285	12880		25515.361	3918.0981	12740		25524.551	3916.6873	12340	
25504.244	919.8091	21940		25515.468	3918.0818	156C8		25524.622	3916.6766	11340	
25504.511	919.7850	11940		25515.594	3918.0623	27640	20936 5	25524.875	3916.6377	15540	



I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION	
SIGMA	WL	SIGMA	WL	SIGMA	WL	SIGMA	WL
2563.570	1910.7090 18440	2575.250	3908.9230 25240	2586.911	3907.1515 21840	35656 7	10069 7 1
2563.627	1910.7003 17380	2575.459	3908.8915 10580	2587.016	3907.1554 25940	26207 4	620 5 11
2563.849	1910.6864 12408	2575.757	3908.8455 13240	2587.319	3907.0791 11104		
2563.938	1910.6528 21100	2575.825	3908.8351 11680	2587.451	3907.0591 13708		
2564.000	1910.6432 21100	2575.761	3908.7901 14640	2587.567	3907.0413 23240		
2564.280	1910.6005 11040	2575.643	3908.7445 8740	2587.768	3907.0106 26640		
2564.751	1910.5283 12640	2575.643	3908.7112 11240	2587.940	3906.9844 14240		
2564.861	1910.5115 13340	2575.782	3908.6781 19740	2588.647	3906.8764 11940	31580 4	5991 4 11
2565.044	1910.4833 15040	2575.771	3908.6446 13340	2588.910	3906.8362 27140		
2565.243	1910.4501 14208	2575.771	3908.6289 10808	2589.123	3906.8037 10508		
2565.328	1910.4404 18840	2575.748	3908.6177 9780	2589.162	3906.7979 10490		
2565.395	1910.4299 15840	2575.533	3908.5722 14440	2589.304	3906.7761 15340		
2565.609	1910.3970 20340	2575.673	3908.5526 14140	2589.390	3906.7630 13040		
2565.963	1910.3435 14440	2575.924	3908.5144 17340	2589.672	3906.7199 24340		
2566.089	1910.3238 11080	2575.817	3908.5001 12008	2589.741	3906.7109 25140		
2566.211	1910.3050 13140	2575.785	3908.4592 26240	2589.842	3906.6940 27840	29865 6	4275 6 11
2566.292	1910.2926 11640	2575.754	3908.4254 14240	2589.906	3906.6537 11390		
2566.371	1910.2806 11840	2575.890	3908.3648 11340	2590.129	3906.6349 14440		
2566.572	1910.2499 11540	2575.717	3908.3321 24340	2590.479	3906.5967 21340		
2566.717	1910.2277 9840	2575.727	3908.3076 30640	2590.700	3906.5630 13880		
2566.923	1910.1895 18240	2575.471	3908.2780 12280	2590.784	3906.5501 14140		
2567.160	1910.1599 11040	2575.576	3908.2619 14040	2590.968	3906.5220 26640		
2567.355	1910.1301 12540	2575.744	3908.2363 13640	2591.190	3906.4881 16390		
2567.634	1910.0877 21540	2575.793	3908.2058 14540	2591.482	3906.4528 31140	29459 4	3868 3 11
2568.085	1910.0214 15140	2580.194	3908.1674 13940	2591.694	3906.4113 13140		
2568.173	1910.0150 16740	2580.479	3908.1239 15340	2591.821	3906.3924 18040		
2568.433	1909.9652 14240	2580.754	3908.0820 28740	2592.021	3906.3613 9808		
2568.604	1909.8623 17040	2580.950	3908.0520 10280	2592.144	3906.3425 15240		
2568.630	1909.8219 8408	2581.014	3908.0422 10940	2592.240	3906.3279 12340		
2568.692	1909.7880 9380	2581.077	3908.0326 9280	2592.519	3906.2762 12280		
2568.715	1909.7692 11340	2581.284	3908.0010 20940	2592.694	3906.2586 15740		
2568.857	1909.7520 14740	2581.507	3907.9668 9780	2592.981	3906.2168 13480		
2568.955	1909.7355 25440	2581.767	3907.9348 13740	2593.458	3906.1469 15940		
2570.176	1909.6987 26440	2581.768	3907.9240 13508	2593.578	3906.1237 14440		
2570.348	1909.6723 9680	2582.058	3907.8828 9408	2593.761	3906.0957 11840		
2570.533	1909.6440 10940	2582.152	3907.8684 11608	2593.915	3906.0723 13908		
2570.746	1909.6115 14640	2582.310	3907.8443 20540	2593.979	3906.0624 17540		
2570.990	1909.5743 12540	2582.389	3907.8321 15080	2594.161	3906.0347 11340		
2571.225	1909.5383 19940	2582.446	3907.8235 15080	2594.373	3906.0024 10340		
2571.456	1909.5027 13240	2582.679	3907.7879 23840	2594.648	3905.9619 16340		
2571.755	1909.4573 17540	2582.892	3907.7553 11640	2594.847	3905.9300 11680		
2572.063	1909.4101 21340	2582.997	3907.7393 10540	2595.056	3905.8981 24940		
2572.451	1909.3509 15140	2583.165	3907.7142 12140	2595.177	3905.8776 23840		
2572.589	1909.3297 14908	2583.236	3907.7025 10440	2595.733	3905.7917 11040		
2572.647	1909.3209 12840	2583.486	3907.6707 13040	2595.993	3905.7889 9940		
2572.705	1909.3171 11240	2583.553	3907.6543 15140	2596.274	3905.7123 11380		
2572.940	1909.2781 15140	2583.627	3907.6430 12640	2596.531	3905.6731 12180		
2573.045	1909.2601 25040	2583.827	3907.5514 24540	2596.932	3905.6119 10640		
2573.119	1909.2487 13808	2584.304	3907.4397 16008	2596.992	3905.6027 10980		
2573.241	1909.2200 11840	2584.516	3907.5073 15140	2597.240	3905.5835 22240		
2573.345	1909.2142 14340	2584.621	3907.4913 16140	2597.596	3905.5102 13040		
2573.561	1909.1812 10208	2584.840	3907.4577 13208	2597.961	3905.4548 13540		
2573.656	1909.1667 13808	2584.976	3907.4370 22040	2598.102	3905.4334 18640		
2573.789	1909.1463 23840	2585.191	3907.4042 17780	2598.326	3905.3991 16440		
2574.160	1909.0895 15640	2585.642	3907.3046 11080	2598.455	3905.3841 19440		
2574.340	1909.0620 28040	2585.862	3907.2851 11208	2598.544	3905.3675 14540	32604 5	7005 6 1
2574.405	1909.0523 24660	2586.102	3907.2851 11208	2598.584	3905.3541 19440		
2574.450	1909.0523 24660	2586.168	3907.2549 13540	2598.801	3905.3267 10140		
2574.64	1909.0246 14640	2586.585	3907.1912 22140	2598.985	3905.3016 10508		
2574.931	1908.9718 13340	2586.675	3907.1775 21440	2599.102	3905.2808 19840		
2575.112	1908.9441 18040	2586.732	3907.1688 19508	2599.178	3905.2692 14380		







SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
25661.926	3894.8093	109A0	25677.968	3893.2861	231A0	25690.126	3891.4834	113A0
25667.999	3894.7993	122A0	25678.087	3893.7680	144C8	25690.231	3891.4276	102A0
25668.361	3894.7431	205A0	25678.323	3893.2321	102C8	25690.518	3891.3841	176A0
25668.530	3894.7176	144A0	25678.366	3893.2556	107A0	25690.634	3891.3362	134A0
25668.816	3894.6742	151B0	25678.611	3893.1850	134A0	25691.127	3891.2919	185A0
25668.972	3894.6504	124A0	25678.815	3893.1576	132A0	25691.501	3891.2351	118A0
25669.125	3894.6273	144B0	25679.226	3893.1953	117A0	25691.772	3891.1941	139A0
25669.205	3894.6151	120A0	25679.665	3893.0287	156A0	25692.046	3891.1535	187A0
25669.407	3894.5845	198A0	25679.781	3893.0172	118A0	25692.116	3891.1421	136B0
25669.528	3894.5662	178A0	25679.797	3893.0087	114B0	25692.237	3891.1236	131A0
25669.572	3894.5595	181A0	25679.936	3892.9847	110B0	25692.471	3891.0883	273A0
25669.803	3894.5243	107B0	25680.178	3892.9510	161A0	25692.554	3891.0757	197C8
25669.727	3894.5057	145A0	25680.264	3892.9379	201A0	25692.658	3891.0600	184A0
25669.978	3894.4979	142A0	25681.453	3892.9225	302A0	25692.721	3891.0505	168A0
25670.391	3894.4352	89B0	25680.641	3892.8807	249C8	25692.812	3891.0367	132B0
25670.499	3894.4188	101A0	25680.740	3892.8654	145C8	25693.000	3891.0081	942B
25670.619	3894.4006	134A0	25680.844	3892.8500	147A0	25693.131	3890.9898	148A0
25670.712	3894.3865	134A0	25681.083	3892.8138	161A0	25693.337	3890.9471	194A0
25671.097	3894.3282	95B0	25681.210	3892.7945	130A0	25693.427	3890.9435	137C8
25671.177	3894.3152	90B0	25681.371	3892.7701	116A0	25693.728	3890.8979	156A0
25671.271	3894.3018	108A0	25681.483	3892.7532	121A0	25693.824	3890.8834	176A0
25671.500	3894.2669	206A0	25681.646	3892.7285	209A0	25693.914	3890.8697	159A0
25671.788	3894.2232	135A0	25681.715	3892.7179	274R0	25694.096	3890.8421	123A0
25671.882	3894.2090	156A0	25681.958	3892.6812	319A0	25694.525	3890.7772	159A0
25672.036	3894.1856	191A0	25682.231	3892.6398	204A0	30941.7	5259.7.22	30941.7
25672.220	3894.1577	263A0	25682.369	3892.6188	133B0	29958.7	4274.6.1	29958.7
25672.465	3894.1206	346A0	25682.471	3892.6033	111A0	25694.976	3890.7090	151A0
25672.544	3894.1086	318C8	25683.138	3892.5822	157A0	25694.166	3890.6801	146A0
25672.729	3894.1005	228A0	25683.275	3892.5822	157A0	25695.316	3890.6574	111A0
25672.879	3894.0578	167A0	25683.515	3892.5412	211A0	25695.415	3890.6424	103B0
25672.939	3894.0486	136C8	25683.582	3892.5412	211A0	25695.431	3890.6309	118A0
25673.051	3894.0417	143A0	25683.775	3892.4857	213A0	25695.600	3890.6144	178C8
25673.201	3894.0349	127A0	25683.842	3892.4955	274R0	25695.919	3890.5862	121A0
25673.466	3893.9718	83B0	25683.935	3892.3815	142B0	25696.076	3890.5394	126A0
25673.668	3893.9382	142A0	25684.109	3892.3551	103B0	25696.217	3890.5210	164A0
25673.787	3893.9200	110C8	25684.275	3892.3299	143A0	25696.430	3890.4888	166A0
25674.017	3893.8851	144A0	25684.378	3892.3144	107A0	25696.520	3890.4751	124B0
25674.173	3893.8615	118C8	25684.547	3892.2888	162A0	25696.692	3890.4490	144A0
25674.413	3893.8250	283A0	25684.791	3892.2518	278A0	25696.801	3890.4325	146C8
25674.494	3893.8128	284A0	25684.815	3892.2336	142A0	25696.952	3890.4097	255A0
25674.678	3893.7849	142A0	25684.826	3892.2155	145A0	25697.057	3890.3983	251C8
25674.751	3893.7738	125B0	25684.730	3892.2163	212A0	25697.257	3890.3635	333A0
25674.921	3893.7466	192B0	25684.839	3892.0729	275A0	25697.529	3890.3223	204B0
25675.102	3893.7115	307A0	25684.944	3892.0467	193A0	25697.732	3890.3068	150A0
25675.334	3893.6824	152C8	25684.991	3892.0092	195A0	25697.884	3890.2716	143A0
25675.425	3893.6716	128B0	25684.952	3891.9803	103B0	25698.059	3890.2422	177A0
25675.796	3893.6154	135A0	25684.815	3891.9451	171A0	25698.156	3890.2274	190A0
25675.897	3893.6001	158A0	25684.997	3891.9236	142A0	25698.230	3890.2162	167B0
25676.038	3893.5786	128A0	25684.517	3891.8387	192A0	25698.492	3890.1766	113A0
25676.181	3893.5570	116A0	25684.761	3891.8017	321A0	25698.622	3890.1569	149A0
25676.254	3893.5458	99B0	25684.824	3891.7419	145A0	25698.819	3890.1271	265A0
25676.342	3893.5326	106C8	25684.180	3891.7382	199A0	25698.948	3890.1136	192C8
25676.435	3893.5199	191A0	25684.309	3891.7109	149A0	25699.167	3890.0744	127A0
25676.653	3893.4885	172A0	25684.607	3891.6736	311A0	25699.280	3890.0573	212A0
25676.756	3893.4697	193A0	25684.867	3891.6342	114A0	25699.357	3890.0456	144C8
25677.099	3893.4177	99C8	25684.982	3891.6214	97B0	25699.630	3890.0043	224A0
25677.197	3893.4029	162A0	25684.330	3891.5640	200A0	25699.913	3889.9614	225A0
25677.394	3893.3727	100A0	25684.498	3891.5386	129B0	25700.168	3889.9229	96B0
25677.585	3893.3442	140A0	25684.738	3891.5022	295A0	25700.361	3889.8937	189A0
25677.733	3893.3216	116A0	25684.983	3891.4652	115A0	25700.640	3889.8514	226A0

SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
25700.863	3899.8177	11090		25713.728	3887.8715	220A0	2	25795.166	3884.1428	25A00	
25701.249	3889.7562	116C8		25713.974	3887.8343	117C8		25725.433	3885.1025	13A00	
25701.407	3889.7353	20A00		25714.114	3887.8131	17A00		25725.631	3885.0771	157A0	32731 5 7005 6 1
25701.590	3889.7076	14A00		25714.256	3887.7716	105B0		25725.806	3885.0561	135B0	
25702.152	3889.6626	149A0		25714.585	3887.7428	157A0		25725.911	3885.0302	150B0	
25702.389	3889.6368	301A0	29503 7 3800 7 11	25714.831	3887.7048	25A00		25726.148	3885.0045	300A0	31488 5 5762 5 11
25702.652	3889.5470	10A00		25714.988	3887.6931	257A0		25726.518	3885.0286	246B0	
25702.940	3889.5034	119B0		25714.983	3887.6817	24A00		25726.631	3885.0216	21A00	35807 6 10081 5 1
25703.080	3889.4922	13A00		25715.130	3887.6596	209A0		25726.725	3885.0073	24A00	
25703.325	3889.4451	14A00		25715.413	3887.6168	151A0		25727.075	3885.0545	116B0	
25703.548	3889.4114	225A0		25715.577	3887.5919	135A0		25727.207	3885.0345	99B0	
25703.801	3889.3731	165A0		25715.763	3887.5638	169A0		25727.376	3885.0089	119B0	
25704.044	3889.3363	256A0	32709 6 7005 6 1	25716.053	3887.5200	129A0		25727.944	3885.0721	14A00	
25704.134	3889.3228	195A0		25716.192	3887.5009	112C8		25728.023	3885.0711	158A0	
25704.473	3889.2790	315A0	26324 5 620 5 11	25716.429	3887.4809	144C8		25728.313	3885.0615	202A0	33373 7 7648 8 1
25704.781	3889.2608	211A0		25716.354	3887.4746	171B0		25728.389	3885.0559	191C8	
25704.880	3889.2608	134C8		25716.459	3887.4586	226C8		25728.549	3885.0318	15A00	
25705.193	3889.1625	112A0		25716.583	3887.4399	308A0	1	25728.776	3885.0576	172A0	
25705.315	3889.1440	139A0		25716.854	3887.3990	146A0		25729.025	3885.0599	208A0	
25705.577	3889.1044	284A0		25717.021	3887.3736	116B0		25729.147	3885.0516	136A0	
25705.783	3889.0732	215A0		25717.685	3887.2734	222A0		25729.299	3885.0516	161A0	
25705.992	3889.0415	120B0		25717.966	3887.2308	162A0		25729.774	3885.0468	133A0	
25706.124	3889.0216	14A00		25718.114	3887.2085	172A0		25729.878	3885.0312	13A00	
25706.347	3888.9879	99B0		25718.382	3887.1879	167A0		25730.009	3885.0113	11A00	
25706.521	3888.9615	102A0		25718.595	3887.1679	101B0		25730.257	3885.0719	16A00	
25706.991	3888.8964	119A0		25718.747	3887.1528	154A0		25730.320	3885.0343	159A0	
25707.115	3888.8716	171A0		25718.883	3887.0923	232A0		25730.416	3885.0399	152A0	
25707.389	3888.8302	132A0		25719.066	3887.0645	103B0		25730.681	3885.0309	157C8	
25707.530	3888.8049	125C8		25719.185	3887.0446	129A0		25730.742	3885.0307	177A0	
25707.595	3888.7991	155A0		25719.477	3887.0024	99A0		25731.008	3885.0265	265A0	
25707.999	3888.7379	136A0		25719.643	3886.9774	111A0		25731.150	3885.0291	149C8	
25708.321	3888.6892	133A0		25720.003	3886.9229	238A0		25731.224	3885.0279	140A0	
25708.674	3888.6359	169A0		25720.267	3886.8831	116A0		25731.348	3885.0292	107B0	
25708.917	3888.5991	29A00		25720.497	3886.8482	116C8		25731.555	3885.1779	162A0	
25709.199	3888.5584	167A0		25720.602	3886.8325	129A0		25731.653	3885.1615	146A0	
25709.310	3888.5396	146A0		25720.683	3886.8262	10A00		25731.732	3885.1511	126C8	
25709.581	3888.4987	210A0		25720.790	3886.8140	118A0		25732.111	3885.0939	117B0	
25709.709	3888.4792	200A0		25720.980	3886.7753	13A00		25732.203	3885.0800	122A0	
25709.948	3888.4432	150C8		25721.174	3886.7460	178A0		25732.444	3885.0437	87B0	
25710.015	3888.4331	178A0		25721.600	3886.6816	127B0		25732.833	3884.9950	972B	
25710.466	3888.3647	107B0		25721.693	3886.6676	161A0		25732.950	3884.9673	154A0	
25710.522	3888.3563	108C8		25721.898	3886.6366	169A0	31970 7 6249 6 1	25733.111	3884.9429	212A0	34112 5 8379 4 2
25710.633	3888.3395	165A0		25721.986	3886.6233	138B0	32166 5 6445 4 2	25733.118	3884.8966	193A0	
25710.828	3888.3100	142A0		25722.215	3886.5886	129A0		25733.609	3884.8678	104A0	
25710.990	3888.2856	97B0		25722.215	3886.5886	129A0		25733.711	3884.8524	158A0	
25711.239	3888.2480	23A00	33029 8 8118 7 1	25722.577	3886.5516	118A0		25734.002	3884.8057	105C8	
25711.542	3888.2020	271A0		25722.677	3886.5340	12A00		25734.117	3884.7917	161A0	
25711.685	3888.1804	197B0		25722.677	3886.5189	121A0		25734.438	3884.7426	1692B	
25711.873	3888.1520	135A0		25722.783	3886.5029	166A0		25734.562	3884.7040	208A0	
25711.957	3888.1394	108C8		25722.916	3886.4828	176A0		25734.726	3884.6992	158A0	
25712.241	3888.0963	87C8		25723.084	3886.4574	219A0		25734.867	3884.6779	237A0	
25712.369	3888.0770	117A0		25723.245	3886.4331	219A0		25734.974	3884.6617	194A0	
25712.629	3888.0378	111A0		25723.565	3886.3846	92B0		25735.189	3884.6293	204A0	
25712.808	3888.0106	169A0		25723.842	3886.3429	196A0		25735.450	3884.5899	141A0	
25712.960	3887.9877	97B0		25724.030	3886.3145	166A0		25735.605	3884.5664	157A0	
25713.065	3887.9718	93B0		25724.245	3886.2820	149A0		25735.738	3884.5464	108A0	
25713.146	3887.9594	114C8		25724.609	3886.2370	133A0		25736.002	3884.5066	100C8	31826 5 5790 5 2
25713.290	3887.9377	161A0		25724.698	3886.2136	112B0		25736.052	3884.4989	105A0	
25713.462	3887.9117	113A0		25724.814	3886.1961	108B0		25736.106	3884.4764	107A0	
25713.640	3887.8847	163A0	25713 4 2	25724.920	3886.1800	117A0		25736.411	3884.4448	115A0	

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
25736.612	3884.144	12R90	25747.978	3982.6997	107R2	25763.058	3880.8789	155C8
25736.666	3864.4064	12740	25748.256	3982.4578	16R40	25764.139	3880.8667	200A0
25736.727	3864.3972	139R0	25748.538	3982.6153	251A0	25760.192	3880.8587	175B0
25736.774	3864.3901	136A0	25748.669	3982.5955	227A0	25760.375	3880.8312	129B0
25737.038	3884.3502	149A0	25748.752	3982.5831	146C8	25760.471	3880.8168	199A0
25737.199	3884.3259	245A0	25748.874	3982.5646	104B0	25760.551	3880.8047	121C8
25737.477	3884.2840	120A0	25748.982	3982.5483	107B0	25760.552	3880.7894	108A0
25737.603	3884.2649	158A0	25749.203	3982.5151	107B0	25761.290	3880.6933	109A0
25737.873	3884.2242	152A0	25749.388	3982.4901	106A3	25761.422	3880.6735	139A0
25738.037	3884.1996	113F0	25749.430	3982.4809	106A0	25761.533	3880.6571	173A0
25738.169	3884.1795	102B0	25749.540	3982.4642	140A8	25761.686	3880.6337	174A0
25738.427	3884.1406	124A0	25749.682	3982.4428	138C8	25761.993	3880.5875	177A0
25738.532	3884.1246	137A0	25749.823	3982.4216	227A0	25762.155	3880.5631	169A0
25738.707	3884.0943	111A0	25749.918	3982.3922	174A0	25762.236	3880.5508	125A0
25738.812	3884.0825	107A0	25750.262	3982.3535	309A0	25762.532	3880.5062	95B0
25739.196	3884.0246	198A0	25750.519	3982.3166	142A0	25762.630	3880.4915	112A0
25739.354	3884.0006	142A0	25750.680	3982.2924	126A0	25762.854	3880.4577	137A0
25739.443	3883.9873	157A0	25750.912	3982.2573	102A0	25762.961	3880.4417	184A0
25739.716	3883.9461	175A0	25751.255	3982.2055	103A0	25763.405	3880.3657	218A0
25739.834	3883.9281	107C8	25751.310	3982.1672	126A0	25764.201	3880.2549	110A0
25740.115	3883.8852	123A0	25751.782	3982.1262	137A0	25764.470	3880.2143	182B0
25740.484	3883.8302	118A0	25751.940	3982.1024	171A0	25764.535	3880.2046	212A0
25740.985	3883.7546	231A0	25752.216	3982.0608	94B0	25764.835	3880.1594	138A0
25741.240	3883.7161	151A0	25752.394	3982.0340	139A0	25764.926	3880.1457	123A0
25741.409	3883.6906	125B0	25752.742	3981.9814	210A0	25765.037	3880.1290	125A0
25741.649	3883.6584	272A0	25752.958	3981.9449	129A0	25765.113	3880.1176	152A0
25741.851	3883.6239	598A0	25753.106	3981.9266	149A0	25765.244	3880.0977	127A0
25741.927	3883.6124	236C8	25753.489	3981.8668	169A0	25765.817	3880.0116	200A0
25742.114	3883.5843	119A0	25753.733	3981.8321	140A0	25765.998	3879.9843	147A0
25742.320	3883.5531	162A0	25753.854	3981.8158	101A0	25766.147	3879.9618	119A0
25742.432	3883.5061	118R2	25754.042	3981.7855	77C8	25766.411	3879.9220	98B0
25742.643	3883.4742	218A0	25754.313	3981.7446	133A0	25766.527	3879.8946	120A0
25743.030	3883.4461	168A0	25754.411	3981.7299	125A0	25766.593	3879.8789	88C8
25743.479	3883.3782	104R0	25755.242	3981.6046	199A0	25766.784	3879.8659	105B0
25743.598	3883.3603	141A0	25755.391	3981.5821	142A0	25766.903	3879.8479	151A0
25743.871	3883.3192	93C8	25755.466	3981.5709	107B0	25767.052	3879.8239	130A0
25744.133	3883.2796	223A0	25755.663	3981.5412	140A0	25767.179	3879.8064	121A0
25744.277	3883.2579	220A0	25755.812	3981.5188	186A0	25767.357	3879.7796	107R0
25744.670	3883.1987	182A0	25755.998	3981.4904	178A0	25767.475	3879.7618	145A0
25744.993	3883.1499	167A0	25756.239	3981.4534	215A0	25767.595	3879.7438	210A0
25745.125	3883.1300	237B0	25756.312	3981.4434	274B0	25767.687	3879.7289	235B0
25745.250	3883.1112	295A0	25756.474	3981.4190	233A0	25767.813	3879.7209	306A0
25745.268	3883.0912	249A0	25756.557	3981.4065	162C8	25767.893	3879.6989	249C8
25745.953	3883.0639	166A0	25756.657	3981.3914	114B0	25768.015	3879.6805	151A0
25745.785	3883.0305	168A0	25756.835	3981.3646	124A0	25768.086	3879.6698	150B0
25745.900	3883.0132	156A0	25756.943	3981.3423	166A0	25768.205	3879.6520	228A0
25746.059	3882.9892	122A0	25757.328	3981.2903	106A0	25768.285	3879.6398	164C8
25746.120	3882.9800	120A0	25757.554	3981.2562	129A0	25768.429	3879.6182	179A0
25746.386	3882.9398	261A0	25757.735	3981.2289	107A0	25768.565	3879.5977	164A0
25746.459	3882.9299	204B0	25758.024	3981.1854	179A0	25768.755	3879.5692	179B0
25746.609	3882.9092	111B0	25758.160	3981.1649	200A0	25768.883	3879.5529	244A0
25746.708	3882.8910	105A0	25758.315	3981.1415	168A0	25768.988	3879.5340	311A0
25746.798	3882.8776	97A0	25758.394	3981.1267	176C8	25769.346	3879.4801	118C8
25746.958	3882.8536	114A0	25758.601	3981.0964	166A0	25769.346	3879.4801	118C8
25747.092	3882.8333	117A0	25758.817	3981.0664	201A0	25769.560	3879.4480	111A0
25747.154	3882.8240	112B0	25759.007	3981.0373	99A0	25769.656	3879.4334	127A0
25747.238	3882.8113	119A0	25759.385	3980.9803	101A0	25770.112	3879.3649	102C8
25747.391	3882.7882	203A0	25759.742	3980.9266	181A0	25770.277	3879.3399	130B0
25747.457	3882.7783	162B0	25759.818	3980.9151	131C8	25770.466	3879.3114	148A0
25747.733	3882.7367	164A0	25759.937	3980.8971	160A0			

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SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
25770.915	3879.2239	14840		25781.680	3877.6242	15880		25795.460	3875.5526	12080	
25771.099	3879.2163	14840		25781.798	3877.6053	11280		25795.539	3875.5408	11180	
25771.203	3879.2005	11680		25782.642	3877.4720	21480		25795.753	3875.5046	16680	26084 5 289 5 2
25771.256	3879.1926	11780		25782.845	3877.4489	13680		25796.067	3875.4915	19540	
25771.470	3879.1604	17540		25783.367	3877.3704	12180		25796.055	3875.4832	15580	
25771.692	3879.1270	15840	30047 6 4275 6 1	25783.494	3877.3513	12080		25796.896	3875.3369	27540	32802 6 7005 6 11
25771.840	3879.1047	15240		25783.681	3877.3323	17080		25797.168	3875.2460	17480	
25771.893	3879.0968	14640		25783.791	3877.3047	17080		25797.233	3875.2463	16880	
25771.949	3879.0882	13340		25784.006	3877.2743	27340		25797.361	3875.2071	11280	
25772.027	3879.0765	10980		25784.135	3877.2549	15880		25797.499	3875.2093	12080	
25772.268	3879.0372	17640		25784.337	3877.2245	23440	34662 3	25797.661	3875.2219	18280	
25772.439	3879.0165	10240		25784.518	3877.1371	13880		25797.905	3875.1853	11680	
25772.649	3879.9829	17740	35981 3 10208 4 1	25785.067	3877.1148	16080	31776 5	25798.169	3875.1456	27340	33916 6 8110 7 11
25772.778	3878.9835	23140	34049 6 8276 6 2	25785.330	3877.0752	27240		25798.463	3875.1007	14280	
25772.958	3878.9363	21040		25785.785	3877.0049	12780		25798.643	3875.0744	12880	
25773.137	3878.9094	20640		25785.954	3876.9815	11980		25798.856	3875.0425	17280	33124 6 7326 7 1
25773.293	3878.8960	18740		25786.155	3876.9512	14080		25798.988	3875.0427	17080	
25773.604	3878.8391	11740		25786.306	3876.9285	19680		25799.136	3875.0004	13280	
25773.964	3878.7850	16040		25786.731	3876.8645	16280		25799.267	3874.9808	17480	
25774.204	3878.7483	19640		25787.312	3876.7772	17280		25799.691	3874.9171	19440	
25774.373	3878.7234	15640		25787.463	3876.7645	10180		25800.035	3874.8654	13580	
25774.443	3878.7130	18040		25787.675	3876.7226	15980		25800.106	3874.8547	13980	
25774.742	3878.6480	12340		25787.771	3876.7083	14780		25800.180	3874.8436	15780	
25774.866	3878.6492	17840		25787.883	3876.6914	20880		25800.395	3874.8129	15880	
25774.950	3878.6321	20340		25788.070	3876.6633	15780		25800.626	3874.7767	18540	
25775.144	3878.6074	23940		25788.400	3876.6137	19480	33921 4	25801.201	3874.6903	12580	
25775.367	3878.5739	29440	32780 7 7005 6 11	25788.562	3876.5946	28240		25801.667	3874.6202	12080	
25775.616	3878.5365	13340		25788.833	3876.5486	21260		25801.962	3874.5760	24540	
25775.726	3878.5198	14440		25788.985	3876.5257	15780		25802.279	3874.5284	19780	
25775.789	3878.5103	13580		25789.319	3876.4755	18480		25802.206	3874.5094	18280	
25775.928	3878.4894	15640		25789.464	3876.4537	25440	31551 6	25802.747	3874.4581	30640	
25776.169	3878.4532	30940	29644 3 3668 3 11	25789.879	3876.3913	13580		25803.002	3874.4198	11940	
25776.358	3878.4247	17240	32880 2 7103 3 1	25790.045	3876.3646	14980		25803.200	3874.3901	16540	
25776.428	3878.4142	15440		25790.284	3876.3335	26740		25803.458	3874.3514	32740	29604 7 3800 7 11
25776.692	3878.3681	18440		25790.564	3876.2885	19480		25803.722	3874.3117	17980	
25776.699	3878.3734	22840		25790.925	3876.2341	12580		25803.865	3874.2902	11280	
25777.015	3878.3259	21540		25791.013	3876.2209	10880		25804.045	3874.2832	12180	
25777.225	3878.2843	9080		25791.192	3876.1940	13780		25804.294	3874.2258	13680	
25777.348	3878.2759	13640		25791.596	3876.1332	34240	25791 6 7326 7 11	25804.695	3874.1957	9580	
25777.444	3878.2614	9980		25791.883	3876.0702	24880	33110 6	25804.948	3874.1277	10180	
25777.574	3878.2418	12780		25792.125	3876.0697	15080		25805.295	3874.0755	19980	
25777.671	3878.2272	19240		25792.188	3876.0538	11340		25805.543	3874.0383	32140	26094 6 289 5 22
25778.029	3878.1734	13780		25792.288	3876.0444	11340		25805.843	3873.9933	32040	25805 5 0 6 11
25778.149	3878.1552	20740		25792.368	3876.0302	11380		25806.106	3873.9538	15680	
25778.353	3878.1246	18240		25792.548	3876.0020	12280		25806.276	3873.9483	16480	
25778.618	3878.0848	31440		25792.486	3876.0996	14280		25806.408	3873.9084	11980	
25778.874	3878.0462	12540		25792.618	3875.9979	20780		25806.740	3873.8587	14180	
25779.160	3878.0033	13440		25792.683	3875.9699	20680		25806.999	3873.8197	29840	
25779.231	3877.9925	14580		25793.011	3875.9206	16280		25807.276	3873.7781	11680	
25779.347	3877.9751	21040		25793.318	3875.8745	12680		25807.511	3873.7429	10880	
25779.509	3877.9507	14780		25793.561	3875.8379	17480		25807.754	3873.7064	13480	
25779.835	3877.9017	11180		25793.720	3875.8141	13780		25808.023	3873.6660	24742	
25780.142	3877.8555	12480		25793.873	3875.7910	15080		25808.329	3873.6200	14680	
25780.230	3877.8422	11280		25793.985	3875.7742	15880		25808.594	3873.5815	12380	
25780.374	3877.8206	13780		25794.118	3875.7544	12880		25808.821	3873.5463	20980	30262 5 4453 4 11
25780.563	3877.7922	13180		25794.223	3875.7385	17580		25809.145	3873.4978	17080	
25780.811	3877.7549	20440		25794.477	3875.7004	11580		25809.234	3873.4843	12480	
25780.893	3877.7425	13040	33899 8 8110 7 1	25794.616	3875.6794	13680		25809.663	3873.4274	23780	
25781.062	3877.7171	13040		25794.842	3875.6455	10780		25810.050	3873.3618	21640	35679 6 10069 7 1
25781.495	3877.6519	15080		25795.097	3875.6072	17480	32044 6 6249 6 1	25810.148	3873.3372	24440	

SIGMA	WL	I PS	CLASSIFICATION ION	SIGMA	WL	I PS	CLASSIFICATION ION	SIGMA	WL	I PS	CLASSIFICATION ION
25810.617	3737.3067	13990		25825.823	3870.9942	24390		25839.876	3869.8909	12490	
25811.273	3737.1793	11940		25826.963	3870.0772	19990		25839.988	3868.8741	12350	
25811.463	3737.1498	16990		25827.152	3870.9466	22190		25840.223	3868.8389	16990	
25811.671	3737.1195	18490		25828.435	3870.6595	19490		25840.432	3868.8076	26440	
25811.938	3737.0784	23390	29612 8 3800 7 11	25827.039	3870.8138	14190		25840.874	3868.7414	19590	
25812.198	3737.0395	15290		25827.239	3870.7839	13790		25841.173	3868.6967	31940	31603 6 5762 5 11
25812.272	3737.0264	14490		25827.483	3870.7473	13490		25841.435	3868.6575	15968	
25812.435	3737.0040	11790		25827.562	3870.7355	13140		25841.436	3868.6483	16290	
25812.690	3737.0657	15590		25827.684	3870.7172	11390		25841.646	3868.5258	23690	
25812.843	3737.9428	19590		25827.957	3870.6742	15490		25841.691	3868.5092	12290	
25813.179	3737.8922	22990	31804 5 5491 4 11	25828.073	3870.6589	11290		25842.053	3868.5668	11290	
25813.449	3737.4518	29040	30266 4 4453 4 11	25828.369	3870.6145	12690		25842.229	3868.5386	19290	
25813.721	3737.7811	18940		25828.632	3870.5791	24440		25842.351	3868.5158	26290	36528 8 10685 8 1
25813.900	3737.7811	13790		25828.831	3870.5483	19990		25842.624	3868.4794	18390	
25814.094	3737.7556	21140		25829.367	3870.4650	19590		25842.670	3868.4725	18990	
25814.199	3737.7326	14468		25829.620	3870.4270	11791		25843.109	3868.4058	29240	30263 4 4420 5 22
25814.457	3737.7003	16490		25830.183	3870.3427	22290		25843.473	3868.3523	20280	33707 5 7864 5 1
25814.733	3737.6591	11490		25830.317	3870.3226	17590		25843.733	3868.3059	12590	
25814.791	3737.6504	10468		25830.549	3870.2878	17190		25843.992	3868.2882	10268	
25815.345	3737.5614	13990		25831.057	3870.2118	21890		25844.149	3868.2511	13990	
25815.600	3737.5291	18140		25831.241	3870.1842	12990		25844.274	3868.2324	23040	
25815.695	3737.5148	16490		25831.406	3870.1594	11490		25844.386	3868.2156	14190	
25816.090	3737.4555	20740		25831.747	3870.1084	12690		25844.597	3868.1692	21690	
25816.254	3737.4309	15940	36501 7 10685 8 1 1	25831.987	3870.0725	27440	37581 6 1749 6 2	25844.762	3868.1594	16690	
25816.415	3737.4069	14390		25832.327	3870.0215	23440	31899 3 5667 3 22	25845.489	3868.0505	12390	
25816.584	3737.3815	14990		25832.677	3869.9684	12490		25845.709	3868.0177	31990	
25816.728	3737.3632	14390		25832.845	3869.9439	19590		25845.936	3867.9837	25490	
25819.955	3737.3257	23740		25832.946	3869.9247	19140		25846.271	3867.9335	12040	
25818.142	3737.2194	15090	31580 4 5762 5 11	25833.135	3869.9004	13290		25846.638	3867.8786	22940	
25818.142	3737.1478	21490		25833.275	3869.8795	12490		25847.016	3867.8221	13990	
25818.421	3737.1059	12540		25833.444	3869.8541	11490		25847.561	3867.7406	17790	
25818.548	3737.0969	13090		25833.679	3869.8090	10990		25848.095	3867.6606	11868	
25818.699	3737.0642	12590		25834.186	3869.7430	26740	36519 9 10685 8 1	25848.256	3867.6385	22140	
25818.831	3737.0444	16090		25834.397	3869.7113	21090		25848.437	3867.6094	14090	
25819.708	3737.9129	20090		25834.668	3869.6480	14790		25848.566	3867.5902	15790	
25819.999	3737.8693	27540		25835.105	3869.6053	13580		25848.752	3867.5622	11190	
25820.250	3737.8317	13190		25835.273	3869.5802	10990		25848.892	3867.5428	11890	
25820.594	3737.7939	19740		25835.396	3869.5618	9590		25849.143	3867.5039	69290	
25821.177	3737.6928	16490		25835.552	3869.5394	13390		25849.341	3867.4741	20890	
25821.382	3737.6619	11190		25836.065	3869.4616	14290	34112 5 8276 6 2	25849.556	3867.4421	10290	
25821.517	3737.6416	10690		25836.679	3869.3696	19490		25849.620	3867.4325	9290	
25821.837	3737.5937	12190		25836.745	3869.3597	15568		25850.000	3867.3756	13390	
25822.105	3737.5535	22040	32926 4 7103 3 1	25836.995	3869.3233	16890		25850.207	3867.3447	18990	
25822.192	3737.5404	16990		25837.268	3869.2813	16390		25850.381	3867.3185	14440	
25822.343	3737.5178	17990		25837.325	3869.2739	13490		25850.878	3867.2442	12190	
25822.605	3737.4766	17190		25837.485	3869.2468	14790		25851.131	3867.2064	22290	
25822.870	3737.4388	16490		25837.597	3869.2321	16490		25851.304	3867.1714	23340	
25823.125	3737.4006	10490	30276 3 4453 4 1	25837.592	3869.2178	12468		25851.586	3867.1384	23890	
25823.283	3737.3769	11190		25837.756	3869.2083	12168		25852.047	3867.0893	14490	
25823.490	3737.3456	17490		25838.001	3869.1716	17140		25852.175	3867.0503	22690	
25823.627	3737.3253	16090		25838.109	3869.1594	19190		25852.428	3867.0124	26140	
25823.768	3737.3042	10468		25838.213	3869.1399	14990		25852.736	3866.9573	29240	
25824.001	3737.2615	10168		25838.716	3869.0646	12790		25853.087	3866.9138	18090	
25824.186	3737.2415	13990		25838.900	3869.0370	13390		25853.492	3866.8532	13190	
25824.410	3737.2080	15790		25838.983	3869.0245	13490		25853.577	3866.8404	14290	
25824.673	3737.1684	32040	26444 5 620 5 11	25839.159	3868.9963	15680		25853.849	3866.7998	29240	
25824.979	3737.1376	20590		25839.281	3868.9799	18090	33703 6 7864 5 1	25853.849	3866.7551	26740	
25825.095	3737.1032	18990		25839.354	3868.9690	19590		25854.366	3866.7225	21890	
25825.308	3737.0733	26990		25839.550	3868.9397	16190		25854.558	3866.6938	13490	
25825.561	3737.0324	34468	1 25839.661 3868.9231 18280	1 25839.661 3868.9231 18280				25854.806	3866.6567	16490	

SIGMA	WL	I PS	CLASSIFICATION ION	SIGMA	WL	I PS	CLASSIFICATION ION	SIGMA	WL	I PS	CLASSIFICATION ION
25854.940	3866.6366	16280		25869.178	3864.5045	13980		25883.374	3862.3889	12890	
25855.022	3866.6243	12890		25869.441	3864.4691	30940		25884.083	3862.2831	17090	
25855.529	3866.5485	17540		25869.674	3864.4344	12328		25884.182	3862.2683	21840	
25855.659	3866.5291	11268		25869.856	3864.4071	21780		25884.330	3862.2463	16980	
25856.047	3866.4710	12880		25869.942	3864.3943	13328		25884.483	3862.2324	15680	
25856.109	3866.4619	12880		25870.562	3864.3017	27740	30455 5 4585 6 2	25884.588	3862.1376	12380	
25856.265	3866.4385	18180		25870.640	3864.2900	19928		25885.323	3862.0981	24940	
25856.502	3866.4031	10180		25871.338	3864.1857	17880		25885.634	3862.0516	26640	32801 5 7005 6 11
25856.773	3866.3923	13340		25871.436	3864.1711	16380		25886.038	3861.9917	14880	
25857.276	3866.2873	14680		25871.592	3864.1479	10228		25886.408	3861.9361	10580	
25857.388	3866.2705	11190		25871.776	3864.1204	19328		25887.043	3861.8415	11480	
25857.954	3866.1860	12480		25871.890	3864.1034	23140	31633 4 5762 5 11	25887.309	3861.8018	16080	
25858.081	3866.1669	17080		25872.128	3864.0678	15980		25887.604	3861.7577	29340	31649 6 5762 5 11
25858.769	3866.0641	12680		25872.333	3864.0372	13180		25887.757	3861.7350	20880	
25858.866	3866.0495	12880		25872.511	3864.0105	15880		25887.880	3861.7165	17580	
25859.169	3866.0042	18480	33723 4 7864 5 1	25872.797	3863.9679	15980		25887.985	3861.7009	13928	
25859.284	3865.9871	16080		25872.863	3863.9540	16480		25888.130	3861.6793	12080	
25859.357	3865.9761	15880		25873.067	3863.9376	10880		25888.388	3861.6408	1980	
25859.489	3865.9564	20480		25873.169	3863.9123	14580		25888.458	3861.6303	15880	
25859.751	3865.9172	33240	26154 5 2294 5 22	25873.508	3863.8427	10628		25888.755	3861.5861	11080	
25860.009	3865.8787	17080		25873.723	3863.8296	14980		25888.972	3861.5537	15980	
25860.185	3865.8523	15080		25873.921	3863.8000	19880		25889.051	3861.5420	14128	
25860.285	3865.8374	14580		25874.226	3863.7574	12480		25889.197	3861.5201	12780	
25860.446	3865.8134	19380		25874.324	3863.7399	16980		25889.908	3861.4141	11180	
25861.308	3865.6845	11580		25874.598	3863.6990	23740		25890.404	3861.3401	18580	
25861.492	3865.6570	15940		25875.086	3863.6261	11724		25890.536	3861.3204	15380	
25861.814	3865.6089	13580		25875.346	3863.5872	16180		25890.852	3861.2732	15080	
25862.242	3865.5449	13280		25875.637	3863.5437	17180		25891.303	3861.2060	16080	
25862.388	3865.5230	11880		25875.756	3863.5260	14180		25891.569	3861.1664	29740	
25862.464	3865.5117	11180		25875.970	3863.4976	14080		25891.964	3861.1104	31640	2
25862.877	3865.4949	13280		25876.098	3863.4152	23880		25892.107	3861.0772	22680	2
25863.148	3865.4098	19580		25876.662	3863.3908	16480		25892.416	3861.0401	25540	
25863.321	3865.3837	12428		25876.957	3863.3617	14480		25892.559	3861.0143	17580	
25863.578	3865.3452	13180		25877.057	3863.3318	14580		25893.050	3860.9439	27940	32122 5 6249 6 11
25863.755	3865.3337	13380		25877.347	3863.2885	22280		25893.280	3860.9112	24880	30168 6 4275 6 11
25863.852	3865.3192	14380		25877.534	3863.2605	12480		25893.673	3860.8525	11980	
25863.904	3865.2959	11454		25878.085	3863.1783	26040	29747 3 3868 3 11	25893.844	3860.8271	9580	1
25864.354	3865.2292	12980		25878.619	3863.1284	20580		25894.158	3860.7802	25180	
25864.524	3865.2038	14580		25878.653	3863.0935	31841		25894.504	3860.7286	10228	
25864.589	3865.1941	14570		25878.998	3863.0570	15480		25894.707	3860.6984	1980	
25864.889	3865.1493	11940		25879.096	3863.0273	14880		25894.695	3860.6704	11280	
25864.924	3865.1142	23940	28159 6 2294 5 2	25879.367	3863.0011	12580		25894.958	3860.6461	11580	
25865.200	3865.1028	17028		25879.503	3862.9667	19980		25895.194	3860.6251	13880	
25865.488	3865.0598	15080		25879.720	3862.9491	23440		25895.268	3860.6144	12480	
25865.672	3865.0333	16980		25879.704	3862.9366	14328		25895.725	3860.5467	13880	
25865.709	3864.9968	23240	1	25880.157	3862.8690	14680		25895.903	3860.5201	18180	
25865.992	3864.9845	13824		25880.565	3862.8074	15780		25896.066	3860.4958	15080	
25866.174	3864.9573	13880		25880.774	3862.7749	11580		25896.217	3860.4688	22940	32179 7 6283 6 2
25866.314	3864.9357	13580		25881.139	3862.7224	17880		25896.825	3860.3827	10680	
25866.442	3864.9172	15080		25881.283	3862.6018	15980		25897.426	3860.3259	14580	
25866.571	3864.8980	16080	33730 6 7864 5 1	25881.545	3862.6118	10881		25897.405	3860.2931	20680	
25866.794	3864.8640	16280		25881.541	3862.6127	25140	34000 6 8118 7 11	25897.757	3860.2437	14080	32902 7 7005 6 1
25867.065	3864.8242	10980	3373026 7864 5 1	25881.951	3862.5912	16228		25898.095	3860.1934	11680	
25867.454	3864.7660	18780		25882.132	3862.5742	10880		25898.318	3860.1601	16880	
25867.807	3864.7132	23340		25882.249	3862.5568	11581		25898.549	3860.1257	11680	
25868.239	3864.6487	12440		25882.627	3862.5004	17640		25898.761	3860.0940	10980	
25868.365	3864.6299	12780		25882.950	3862.4671	14080		25898.873	3860.0773	14480	
25868.581	3864.5976	16080		25882.967	3862.4496	13080	4016 4 8131 4 1	25899.032	3860.0536	16280	33090 3 7191 2 1
25868.878	3864.5573	14780		25883.105	3862.4291	12680		25899.204	3860.0280	16280	

I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION	
SIGMA	WL	SIGMA	WL	SIGMA	WL
25699.269	1860.0153 121R0	25912.139	3468.1011 127R0	25921.283	3855.8476 141R0
25699.705	1859.9534 149R0	25912.435	3458.0571 153R0	25927.415	3855.8279 205A0
25500.000	1859.7094 213R0	25912.734	3458.0125 160R0	25927.736	3855.7402 157R0
25500.143	1859.4881 233R0	25912.850	3457.9953 207R0	25927.817	3855.7682 177R0
25500.374	1859.4536 227A0	25913.121	3457.9846 170R0	25927.862	3855.7548 199R0
25500.546	1859.4280 151R0	25913.954	3457.9499 157R0	25928.378	3855.6948 210R0
25500.743	1859.3986 159R0	25913.343	3457.9159 164R0	25928.457	3855.6730 178R0
25501.084	1859.3741 135R0	25913.548	3457.8912 166R0	25928.729	3855.6326 168R0
25501.216	1859.3281 181R0	25913.647	3457.8765 149R0	25928.959	3855.5983 225A0
25501.349	1859.2684 161R0	25914.264	3457.7847 121R0	25929.111	3855.5758 185R0
25501.574	1859.6824 164R0	25914.470	3457.7541 141C8	25929.407	3855.5317 125R0
25501.669	1859.6636 210R0	25914.619	3457.7319 232A0	25929.577	3855.5064 170R0
25501.788	1859.6430 169R0	25914.747	3457.7128 202R0	25929.775	3855.4770 218R0
25502.016	1859.6090 203R0	25915.068	3457.6650 204R0	25929.988	3855.4454 270R0
25502.293	1859.5693 330R1	25915.499	3457.6008 257A0	25930.102	3855.4283 325A0
25502.538	1859.5312 241R0	25915.800	3457.5541 264A0	25930.347	3855.3990 156C4
25502.665	1859.5093 174R0	25916.009	3457.5250 128R0	25930.684	3855.3648 274R0
25502.849	1859.4819 157R0	25916.252	3457.4949 163R0	25930.976	3855.2948 226R0
25502.934	1859.4720 169R0	25916.378	3457.4701 225A0	25931.318	3855.2476 178R0
25503.017	1859.4599 137C8	25916.475	3457.4556 194R0	25931.858	3855.1872 203R0
25503.236	1859.4272 144R0	25917.125	3457.3589 171R0	25931.970	3855.1506 210A0
25503.391	1859.4041 143R0	25917.674	3457.2772 235R0	25932.136	3855.1260 157R0
25504.044	1859.3069 127C8	25917.810	3457.2570 254A0	25932.260	3855.1075 147R0
25504.268	1859.2824 243A0	25918.100	3457.2138 148R0	25932.358	3855.0929 166R0
25504.289	1859.2703 157C8	25918.273	3457.1850 134R0	25932.575	3855.0806 159R0
25504.555	1859.2307 257A0	25918.569	3457.1440 254A0	25932.706	3855.0413 208R0
25504.811	1859.1925 154R0	25918.821	3457.1044 165R0	25932.777	3855.0307 163C8
25504.951	1859.1717 184C8	25918.927	3457.9907 198R0	25933.015	3854.9953 128R0
25505.061	1859.1553 246A0	25919.264	3457.8494 147R0	25933.124	3854.9791 118R0
25505.428	1859.1007 220R0	25919.527	3457.8056 134R0	25933.256	3854.9595 118R0
25505.452	1859.0673 185C8	25919.800	3457.7640 146R0	25933.360	3854.9410 235R0
25505.798	1859.0470 203R0	25920.038	3457.7254 161R0	25933.597	3854.9088 228A0
25505.952	1859.0077 304A0	25920.095	3457.7169 140R0	25933.760	3854.8846 161R0
25506.145	1858.9938 297R0	25921.805	3456.8112 131P0	25933.916	3854.8613 233A0
25506.403	1858.9553 175R0	25921.003	3456.7818 161R0	25934.054	3854.8409 138C8
25506.513	1858.9389 146R0	25921.277	3456.7411 307A0	25934.353	3854.7965 222R0
25506.679	1858.9143 154R0	25921.556	3456.6995 159R0	25934.552	3854.7669 139R0
25506.812	1858.8944 124R0	25921.890	3456.6498 104R0	25934.703	3854.7445 141R0
25507.133	1858.8467 232R0	25922.136	3456.6132 225R0	25934.890	3854.7167 109R0
25507.308	1858.8205 260A0	25922.418	3456.5719 235R0	25935.150	3854.6824 240R0
25507.368	1858.7714 129R0	25922.538	3456.5534 173R0	25935.375	3854.6446 345A1
25507.709	1858.7208 126R0	25922.803	3456.5140 137R0	25935.689	3854.5978 223R0
25507.948	1858.7223 184A0	25922.929	3456.4952 104C8	25935.962	3854.5573 169R0
25508.149	1858.6954 159C0	25923.139	3456.4640 161R0	25936.177	3854.5253 197R0
25508.211	1858.6661 161C0	25923.260	3456.4460 137R0	25936.351	3854.4980 159R0
25508.394	1858.6588 221A0	25923.702	3456.4002 174R0	25936.470	3854.4818 136R0
25508.968	1858.5734 103R0	25923.851	3456.3580 124C8	25936.865	3854.4230 113R0
25509.060	1858.5597 132R0	25924.009	3456.3245 151R0	25936.940	3854.4089 131R0
25509.234	1858.5331 160R0	25924.206	3456.3052 114R0	25937.072	3854.3923 145R0
25509.507	1858.4930 236A0	25924.500	3456.2570 222R0	25937.287	3854.3603 199R0
25509.972	1858.4237 205R0	25924.735	3456.2266 116R0	25937.379	3854.3466 122C8
25510.194	1858.4008 156R0	25925.025	3456.1835 228A0	25937.556	3854.3203 158R0
25510.331	1858.3703 125R0	25925.247	3456.1505 133R0	25937.634	3854.3087 148R0
25510.476	1858.3488 348B 103C8	25925.463	3456.1183 176R0	25937.756	3854.2906 163R0
25510.564	1858.3327 136R0	25925.722	3456.0797 310A0	25937.821	3854.2810 170R0
25510.892	1858.2868 167R0	25926.003	3456.0379 176R0	25937.975	3854.2581 260R0
25511.063	1858.2614 212A0	25926.576	3456.0497 133R0	25938.228	3854.2205 340C4
25511.144	1858.2492 133C8	25926.732	3456.0355 171R0	25938.493	3854.1811 232R0
25511.534	1858.1743 166R0	25926.914	3456.0244 141R0	25938.642	3854.1589 239R0
25511.774	1858.1555 112R0	25927.150	3456.0014 133R0	25938.816	3854.1327 152R0



SIGMA	W/L	I PS CLASSIFICATION	ION	SIGMA	W/L	I PS CLASSIFICATION	ION	SIGMA	W/L	I PS CLASSIFICATION	ION
25938.979	1854.1182	13180		25973.922	1854.1182	13180		25978.922	1854.1182	13180	
25939.979	1854.1049	14180		25974.922	1854.1049	14180		25979.922	1854.1049	14180	
25940.979	1854.0936	17180		25980.922	1854.0936	17180		25985.922	1854.0936	17180	
25939.985	1854.0620	14080		25981.922	1854.0620	14080		25986.922	1854.0620	14080	
25939.977	1854.0454	17080		25982.922	1854.0454	17080		25987.922	1854.0454	17080	
25939.920	1854.0137	15280		25983.922	1854.0137	15280		25988.922	1854.0137	15280	
25939.799	1853.9870	12980		25984.922	1853.9870	12980		25989.922	1853.9870	12980	
25940.006	1853.9563	17380		25985.922	1853.9563	17380		25990.922	1853.9563	17380	
25940.629	1853.8638	17881		25991.922	1853.8638	17881		25995.922	1853.8638	17881	
25940.933	1853.8186	21880		25992.922	1853.8186	21880		25996.922	1853.8186	21880	
25941.346	1853.7573	20080		25993.922	1853.7573	20080		25997.922	1853.7573	20080	
25941.653	1853.7110	31140		25994.922	1853.7110	31140		25998.922	1853.7110	31140	
25942.021	1853.6584	28040		25995.922	1853.6584	28040		25999.922	1853.6584	28040	
25942.224	1853.6268	15980		25996.922	1853.6268	15980		26000.922	1853.6268	15980	
25942.758	1853.6049	13980		26001.922	1853.6049	13980		26002.922	1853.6049	13980	
25942.792	1853.5425	24180		26003.922	1853.5425	24180		26004.922	1853.5425	24180	
25943.388	1853.5020	15440		26005.922	1853.5020	15440		26006.922	1853.5020	15440	
25943.388	1853.4519	17480		26007.922	1853.4519	17480		26008.922	1853.4519	17480	
25944.005	1853.3623	24440		26009.922	1853.3623	24440		26010.922	1853.3623	24440	
25944.253	1853.3254	23080		26011.922	1853.3254	23080		26012.922	1853.3254	23080	
25944.359	1853.3096	17480		26013.922	1853.3096	17480		26014.922	1853.3096	17480	
25944.429	1853.2993	17780		26015.922	1853.2993	17780		26016.922	1853.2993	17780	
25944.568	1853.2787	11980		26017.922	1853.2787	11980		26018.922	1853.2787	11980	
25944.779	1853.2473	10980		26019.922	1853.2473	10980		26020.922	1853.2473	10980	
25945.103	1853.1992	11880		26021.922	1853.1992	11880		26022.922	1853.1992	11880	
25945.333	1853.1630	22540		26023.922	1853.1630	22540		26024.922	1853.1630	22540	
25945.675	1853.1439	22780		26025.922	1853.1439	22780		26026.922	1853.1439	22780	
25945.686	1853.1226	23680		26027.922	1853.1226	23680		26028.922	1853.1226	23680	
25945.880	1853.0938	10640		26029.922	1853.0938	10640		26030.922	1853.0938	10640	
25946.876	1852.9954	22080		26031.922	1852.9954	22080		26032.922	1852.9954	22080	
25946.898	1852.9771	29240		26033.922	1852.9771	29240		26034.922	1852.9771	29240	
25946.843	1852.9408	19640		26035.922	1852.9408	19640		26036.922	1852.9408	19640	
25947.083	1852.9052	10980		26037.922	1852.9052	10980		26038.922	1852.9052	10980	
25947.246	1852.8809	11108		26039.922	1852.8809	11108		26040.922	1852.8809	11108	
25947.687	1852.8154	23440		26041.922	1852.8154	23440		26042.922	1852.8154	23440	
25948.551	1852.6872	29840		26043.922	1852.6872	29840		26044.922	1852.6872	29840	
25948.792	1852.6515	12780		26045.922	1852.6515	12780		26046.922	1852.6515	12780	
25949.061	1852.6115	24080		26047.922	1852.6115	24080		26048.922	1852.6115	24080	
25949.805	1852.5603	21640		26049.922	1852.5603	21640		26050.922	1852.5603	21640	
25949.556	1852.5390	19480		26051.922	1852.5390	19480		26052.922	1852.5390	19480	
25949.780	1852.5047	10980		26053.922	1852.5047	10980		26054.922	1852.5047	10980	
25950.552	1852.3901	11480		26055.922	1852.3901	11480		26056.922	1852.3901	11480	
25950.737	1852.3626	12780		26057.922	1852.3626	12780		26058.922	1852.3626	12780	
25951.010	1852.3221	29240		26059.922	1852.3221	29240		26060.922	1852.3221	29240	
25951.409	1852.2649	21480		26061.922	1852.2649	21480		26062.922	1852.2649	21480	
25951.710	1852.2181	13980		26063.922	1852.2181	13980		26064.922	1852.2181	13980	
25951.874	1852.1918	13480		26065.922	1852.1918	13480		26066.922	1852.1918	13480	
25952.003	1852.1747	10608		26067.922	1852.1747	10608		26068.922	1852.1747	10608	
25952.272	1852.1348	12680		26069.922	1852.1348	12680		26070.922	1852.1348	12680	
25952.893	1852.1020	17980		26071.922	1852.1020	17980		26072.922	1852.1020	17980	
25952.905	1852.0834	20780		26073.922	1852.0834	20780		26074.922	1852.0834	20780	
25952.716	1852.0689	25440		26075.922	1852.0689	25440		26076.922	1852.0689	25440	
25953.239	1851.9913	14480		26077.922	1851.9913	14480		26078.922	1851.9913	14480	
25953.505	1851.9517	29140		26079.922	1851.9517	29140		26080.922	1851.9517	29140	
25953.594	1851.9386	26280		26081.922	1851.9386	26280		26082.922	1851.9386	26280	
25953.808	1851.9368	22480		26083.922	1851.9368	22480		26084.922	1851.9368	22480	
25953.902	1851.8929	17880		26085.922	1851.8929	17880		26086.922	1851.8929	17880	
25954.026	1851.8744	13208		26087.922	1851.8744	13208		26088.922	1851.8744	13208	
25954.410	1851.8174	19680		26089.922	1851.8174	19680		26090.922	1851.8174	19680	

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
25985.803	8447.1640	15780	25999.630	3945.1180	29640	26015.364	3942.7924	12880	26015.364	3942.7924	12880
25985.919	8447.1640	17480	26000.040	3945.0574	29640	26015.551	3942.7648	20480	26015.551	3942.7648	20480
25986.033	8447.1640	18280	26000.267	3945.0867	15680	26015.752	3942.7166	25040	26015.752	3942.7166	25040
25986.142	8447.1640	18980	26000.386	3945.0862	17880	26016.102	3942.6834	13180	26016.102	3942.6834	13180
25986.234	8447.1640	16980	26000.449	3944.9939	13480	26016.280	3942.6571	18440	26016.280	3942.6571	18440
25986.533	8447.0560	29940	26000.509	3944.9733	17180	26016.392	3942.6406	16240	26016.392	3942.6406	16240
			30262 5	4275 6	1	26000.859	3944.9363	32240	26016.474	3942.6284	15440
			33090 3	7103 3	11	26001.075	3944.9043	18480	26016.570	3942.6143	15640
						26001.292	3944.8722	12880	26016.744	3942.5885	19440
						26001.569	3944.8313	25940	26016.744	3942.5885	19440
						26001.847	3944.7902	11580	26016.874	3942.5718	22340
						26001.988	3944.7677	10580	26016.976	3942.5543	13680
						26002.405	3944.7076	11180	26017.209	3942.5199	10690
						26002.654	3944.6709	25340	26017.407	3942.4907	18640
						26002.961	3944.6294	15980	26017.630	3942.4578	23540
						26003.074	3944.6088	20280	26017.830	3942.4282	15940
						26003.207	3944.5891	20080	26018.014	3942.4010	14440
						26003.474	3944.5496	10480	26018.139	3942.3825	17140
						26003.566	3944.5360	17080	26018.232	3942.3688	14240
						26003.834	3944.4944	26940	26018.547	3942.3223	21840
			29790 7	3800 7	11	26004.247	3944.4353	11480	26018.861	3942.2760	13540
						26004.412	3944.4109	12680	26018.928	3942.2661	13280
						26004.498	3944.3390	21180	26019.047	3942.2485	16380
						26005.114	3944.3070	11680	26019.213	3942.2239	13480
						26005.279	3944.2827	14980	26019.478	3942.1848	23840
						26005.411	3944.2832	14280	26019.546	3942.1748	19680
						26005.567	3944.2801	17280	26019.758	3942.1435	14742
						26005.805	3944.2040	21040	26019.975	3942.1174	21842
			32997 6	7005 6	11	26005.944	3944.1843	16780	26020.192	3942.0793	15040
			31393 4	5401 3	2	26006.389	3944.1186	16480	26020.353	3942.0556	11140
						26006.518	3944.0996	13680	26020.460	3942.0399	10640
						26006.704	3944.0720	14280	26020.644	3942.0125	13940
						26007.245	3944.0596	14880	26021.002	3941.9598	11340
			34871 4	8878 3	1	26007.313	3943.9350	15980	26021.374	3941.9049	10380
						26007.731	3943.8502	14980	26021.549	3941.8790	20640
						26007.876	3943.8958	12180	26021.645	3941.8353	20440
						26008.473	3943.8106	25540	26021.915	3941.8249	19740
						26008.694	3943.7740	22380	26022.216	3941.7809	21440
						26009.018	3943.7301	24140	26022.398	3941.7537	15940
						26010.035	3943.5797	14780	26022.504	3941.7391	17440
						26010.171	3943.5597	14480	26022.630	3941.7194	16540
						26010.704	3943.4809	24040	26022.989	3941.6664	15840
						26011.087	3943.4244	30040	26023.186	3941.6374	19640
						26011.356	3943.3846	13580	26023.422	3941.6025	9680
						26011.541	3943.3572	17180	26023.504	3941.5904	12240
			26285 5	289 5	2	26012.068	3943.2794	17780	26023.682	3941.5871	9580
			15797 8	3600 7	11	26012.247	3943.2528	13061	26023.932	3941.5573	9680
						26012.528	3943.2114	17480	26024.174	3941.4415	16440
						26012.783	3943.1737	16780	26024.436	3941.4529	18440
						26012.879	3943.1596	13180	26024.537	3941.4379	21340
						26013.076	3943.1304	17480	26024.752	3941.4062	14840
						26013.442	3943.0763	14580	26025.201	3941.3399	15740
						26013.706	3943.0373	15480	26025.286	3941.3273	12040
						26013.836	3943.0181	11080	26025.631	3941.2765	11440
						26013.957	3943.0003	13280	26026.100	3941.2072	18340
						26014.061	3942.9849	12680	26026.297	3941.1781	17440
						26014.314	3942.9476	29840	26026.565	3941.1386	23440
						26014.518	3942.9174	11880	26026.714	3941.1164	14440
						26014.518	3942.9174	11880	26026.970	3941.1047	20440
						26014.518	3942.9174	11880	26027.047	3941.0875	16580





I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION	
SIGMA	WL	SIGMA	WL	SIGMA	WL	SIGMA	WL
26112.478	3228.5005	2740	33118	6	7005	6	11
26112.750	3228.4392	15480	26131.339	3225.7271	13180	26131.339	3225.7271
26113.089	3228.4110	15580	26131.482	3225.7161	14980	26131.482	3225.7161
26113.265	3228.3951	17080	26131.552	3225.7058	14980	26131.552	3225.7058
26113.436	3228.3808	16580	26131.647	3225.6920	18280	26131.647	3225.6920
26113.780	3228.3656	19080	26131.931	3225.6489	13480	26131.931	3225.6489
26114.001	3228.2772	20780	26132.430	3225.5774	13180	26132.430	3225.5774
26115.023	3228.1773	19880	26132.713	3225.5360	16280	26132.713	3225.5360
26115.395	3228.0729	18680	26132.945	3225.5020	21180	26132.945	3225.5020
26115.567	3228.0676	26740	26133.223	3225.4613	24440	26133.223	3225.4613
26115.871	3228.0565	31740	26133.959	3225.3553	10780	26133.959	3225.3553
26117.428	3227.749	20390	26134.219	3225.3154	19480	26134.219	3225.3154
26117.558	3227.7558	16880	26134.420	3225.2861	13380	26134.420	3225.2861
26117.820	3227.7174	14480	26134.557	3225.2660	21140	26134.557	3225.2660
26118.009	3227.6997	12280	26135.129	3225.1823	17680	26135.129	3225.1823
26119.461	3227.4769	24280	26135.306	3225.1564	31140	26135.306	3225.1564
26119.559	3227.4625	23980	26135.580	3225.1162	15180	26135.580	3225.1162
26119.904	3227.4115	16680	26135.925	3225.0857	15980	26135.925	3225.0857
26120.083	3227.3958	14580	26136.221	3225.0225	32880	26136.221	3225.0225
26120.254	3227.3807	12180	26136.300	3225.0109	31280	26136.300	3225.0109
26120.698	3227.2926	14580	26136.801	3224.9376	13180	26136.801	3224.9376
26120.800	3227.2897	19480	26137.275	3224.8683	13980	26137.275	3224.8683
26120.891	3227.2873	15180	26137.448	3224.8429	10780	26137.448	3224.8429
26121.049	3227.2842	14380	26137.585	3224.8228	21280	26137.585	3224.8228
26121.460	3227.1839	18280	26137.880	3224.7797	19380	26137.880	3224.7797
26121.633	3227.1586	20380	26138.101	3224.7473	14480	26138.101	3224.7473
26122.088	3227.0920	17480	26138.179	3224.7359	17380	26138.179	3224.7359
26122.285	3227.0632	20980	26138.356	3224.7101	26340	26138.356	3224.7101
26122.734	3226.9973	11282	26138.645	3224.6678	26580	26138.645	3224.6678
26123.09	3226.9452	19180	26138.916	3224.6269	12580	26138.916	3224.6269
26123.222	3226.9255	23140	26139.147	3224.5946	21980	26139.147	3224.5946
26123.400	3226.9097	15480	26139.532	3224.5374	32740	26139.532	3224.5374
26123.641	3226.8644	15040	26139.805	3224.4980	19480	26139.805	3224.4980
26124.108	3226.7960	16880	26140.049	3224.4623	30940	26140.049	3224.4623
26124.373	3226.7573	25740	26140.389	3224.4126	16580	26140.389	3224.4126
26124.666	3226.7144	15040	26140.576	3224.3852	16280	26140.576	3224.3852
26124.774	3226.6985	14780	26140.779	3224.3555	23140	26140.779	3224.3555
26125.194	3226.6369	27940	26141.153	3224.3071	21580	26141.153	3224.3071
26125.446	3226.6000	16880	26141.308	3224.2781	14580	26141.308	3224.2781
26126.072	3226.5064	35940	26141.612	3224.2337	10180	26141.612	3224.2337
26126.352	3226.4671	16580	26141.891	3224.1928	22880	26141.891	3224.1928
26126.440	3226.4545	15380	26142.004	3224.1744	15480	26142.004	3224.1744
26126.657	3226.4327	24840	26142.102	3224.1619	14480	26142.102	3224.1619
26126.832	3226.3971	18480	26142.320	3224.1301	15780	26142.320	3224.1301
26127.054	3226.3646	16180	26142.418	3224.1158	14280	26142.418	3224.1158
26127.320	3226.3255	17480	26143.204	3224.0008	15680	26143.204	3224.0008
26127.385	3226.3161	17080	26143.479	3223.9605	14780	26143.479	3223.9605
26127.733	3226.2651	13780	26143.638	3223.9373	15940	26143.638	3223.9373
26127.870	3226.2451	16180	26143.794	3223.9145	15980	26143.794	3223.9145
26128.176	3226.2121	20780	26144.060	3223.8756	29040	26144.060	3223.8756
26129.120	3226.0820	10340	26144.338	3223.8368	13380	26144.338	3223.8368
26129.488	3226.0822	16280	26144.558	3223.8123	15180	26144.558	3223.8123
26129.696	3225.9894	15180	26145.203	3223.7084	22240	26145.203	3223.7084
26129.891	3225.9484	26640	26145.453	3223.6625	14880	26145.453	3223.6625
26130.053	3225.9253	17480	26145.884	3223.6088	12480	26145.884	3223.6088
26130.346	3225.9103	16780	26146.086	3223.5792	10980	26146.086	3223.5792
26130.366	3225.9024	20180	26146.337	3223.5425	21940	26146.337	3223.5425
26130.555	3225.8519	12180	26146.582	3223.5067	16980	26146.582	3223.5067
26130.784	3225.8184	24040	26146.791	3223.4762	13980	26146.791	3223.4762
26131.014	3225.7846	15980	26147.046	3223.4399	27340	26147.046	3223.4399

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SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
26160.451	321.4650	1	26176.847	319.0840	9A80	26192.350	381A.8254	20640
26160.875	321.4177	13A80	26177.175	319.0381	14A80	26192.579	381A.7920	14780
26161.129	321.3806	16A80	26177.344	319.0135	169C4	26192.754	381A.7666	15140
26161.129	321.3599	26A80	26177.442	318.9992	20A80	26192.647	381A.7531	13440
26161.476	321.3299	19A80	26177.650	318.9699	121A80	26193.004	381A.7301	14490
26161.801	321.2824	211A80	26177.757	318.9533	118A80	26193.091	381A.7174	12308
26162.256	321.2160	20A40	26178.577	318.8335	14A80	26193.577	381.6466	16740
26162.612	321.1640	18A82	26178.724	318.8121	163A0	26193.728	381A.6246	16940
26162.743	321.1448	13A80	26178.830	318.7967	19A80	26193.906	381A.5948	29740
26163.155	321.0847	12A80	26178.944	318.7727	21A80	26194.054	381A.5772	17808
26163.380	321.0518	19A80	26179.139	318.7516	23A80	26194.446	381A.5492	19740
26163.613	321.0177	27A40	26179.337	318.7227	20A80	26194.628	381A.4935	20740
26163.796	320.9911	22A80	26179.517	318.6944	27A40	26194.707	381A.4819	16690
26164.088	320.9484	20A80	26180.062	318.6169	22A80	26194.995	381A.4401	19040
26164.377	320.9062	27A40	26180.290	318.5945	157B0	26195.139	381A.4190	13990
26164.866	320.8348	13A80	26180.490	318.5636	140B0	26195.212	381A.4028	12590
26165.105	320.7999	18A80	26180.642	318.5324	150B8	26195.361	381A.3867	15640
26165.515	320.7400	23A80	26180.803	318.5048	24A40	26195.626	381A.3481	20140
26165.719	320.7101	15A80	26181.116	318.4632	290B0	26195.775	381A.3264	17140
26166.019	320.6663	12A80	26181.565	318.3977	14A80	26196.049	381A.2864	16240
26166.232	320.6353	20A80	26181.879	318.3520	19A80	26196.501	381A.2207	16740
26166.306	320.6245	221A80	26181.972	318.3394	16A80	26196.636	381A.2009	16940
26166.427	320.6049	26A40	26182.128	318.3157	11A80	26197.025	381A.1443	21140
26166.733	320.5622	16A80	26182.535	318.2562	171A80	26197.350	381A.1240	21140
26167.041	320.5171	12A80	26182.730	318.2278	21A80	26197.372	381A.0995	27240
26167.193	320.4950	20A80	26182.887	318.2090	190B0	26197.870	381A.0216	24740
26167.666	320.4551	24A40	26183.208	318.1582	23A80	26198.154	381A.0199	10958
26167.649	320.4503	26A40	26183.401	318.1289	17A80	26198.213	381A.0712	12390
26167.906	320.3509	16A80	26183.708	318.0852	22A80	26198.416	381A.9416	25340
26168.117	320.3601	10A80	26183.895	318.0579	330A0	26198.644	381A.9085	29740
26168.362	320.3264	15A80	26184.225	318.0098	31A40	26198.870	381A.8755	15890
26168.615	320.2874	18A80	26184.555	318.9618	24A80	26199.138	381A.8364	24A40
26169.316	320.2600	27A40	26184.721	318.9375	157B0	26199.257	381A.8192	15668
26169.628	320.1994	21A40	26184.607	318.9249	13A80	26199.783	381A.7426	12180
26169.717	320.1245	20A80	26185.011	318.8662	23A40	26199.981	381A.7139	12390
26170.057	320.0768	16A80	26185.270	318.8574	13A80	26200.185	381A.6840	12340
26170.304	320.0409	14A80	26185.483	318.8244	169B0	26200.337	381A.6619	14940
26170.374	320.0304	181A80	26185.728	318.7927	251A0	26200.546	381A.6314	16440
26170.533	320.0073	9A80	26186.528	318.7088	251A0	26200.640	381A.6177	16540
26171.334	319.8995	30A80	26186.804	318.6338	201A80	26200.828	381A.5904	16390
26171.460	319.8721	22A40	26186.940	318.6140	16A80	26200.993	381A.5664	30940
26171.996	319.7939	14A80	26187.138	318.5950	25A40	26201.432	381A.5024	27340
26172.175	319.7677	16A80	26187.367	318.5517	97C8	26201.692	381A.4645	22740
26172.313	319.7476	21A80	26187.576	318.5213	10A80	26201.764	381A.4540	16068
26172.627	319.7017	23A80	26187.869	318.4745	15A80	26202.095	381A.4058	18240
26172.982	319.6500	261A80	26188.160	318.4361	20A40	26202.319	381A.3732	27540
26173.264	319.6088	23A80	26188.461	318.3992	13A80	26202.588	381A.3311	13440
26173.528	319.5703	19A80	26188.840	318.3371	12A80	26202.742	381A.3116	19940
26173.526	319.5560	18A80	26189.005	318.3139	12A80	26202.810	381A.3017	17590
26173.740	319.5393	219A80	26189.470	318.2452	12A80	26203.421	381A.2127	18840
26173.830	319.5262	17A80	26189.888	318.1842	13A80	26203.706	381A.1712	14780
26174.136	319.4815	16A80	26190.113	318.1514	29A40	26203.787	381A.1594	18240
26174.254	319.4637	131A80	26190.331	318.1197	141A80	26203.856	381A.1494	15540
26174.810	319.3831	18A80	26190.715	318.0648	9A80	26203.977	381A.1318	16340
26174.915	319.3678	19A80	26191.128	318.0105	24A40	26204.117	381A.1151	13680
26175.163	319.3287	25A40	26191.474	318.0004	13A80	26204.401	381A.0710	24A40
26175.468	319.2872	17A80	26191.897	318.0004	13A80	26204.998	381A.0540	15768
26175.711	319.2516	30A40	26192.262	318.0393	19A80	26205.237	381A.0484	20940
						26205.304	381A.0386	21540

I PS CLASSIFICATION ION

SIGMA	WL	I PS CLASSIFICATION ION	WL	I PS CLASSIFICATION ION	WL	I PS CLASSIFICATION ION	WL	
26205.456	381.9165	13280	26221.237	381.7659	180C8	26232.906	381.9245	201A0
26205.840	381.8606	11380	26220.308	381.7556	187A0	26233.077	381.9002	296A0
26206.107	381.8217	131A0	26220.626	381.7094	313A0	26233.409	381.8514	208A0
26206.282	381.7962	118C8	26220.909	381.6682	142A0	26233.494	381.8391	233A0
26206.552	381.7850	146A0	26221.345	381.6047	147R0	26233.876	381.7835	150A0
26206.538	381.7590	208A0	26221.553	381.5746	305A0	26233.966	381.7705	140R0
26207.164	381.6679	169R0	26221.720	381.5502	21780	26234.047	381.7588	126A0
26207.222	381.6594	187A0	26221.929	381.5199	244A0	26234.379	381.7104	150A0
26207.775	381.5789	319R0	26222.183	381.4829	140A0	26234.545	381.6792	142A0
26207.693	381.5617	160A0	26222.366	381.4564	137A0	26234.885	381.6371	174A0
26208.012	381.5444	175A0	26222.517	381.4344	130A0	26235.049	381.6132	159A0
26208.807	381.4287	178A0	26223.107	381.3486	139A0	26235.184	381.5936	174A0
26209.154	381.3742	188A0	26223.381	381.3088	147A0	26235.428	381.5582	136A0
26209.328	381.3540	128A0	26223.489	381.2930	13510	26235.596	381.5438	159A0
26209.639	381.3074	125A0	26223.625	381.2733	12880	26235.819	381.5014	195A0
26210.546	381.2694	172A0	26223.925	381.2529	260A0	26236.058	381.4666	194A0
26210.707	381.2522	148R0	26224.111	381.2339	198A0	26236.408	381.4358	157A0
26210.969	381.2151	133C4	26224.305	381.2144	239A0	26236.488	381.4042	125R0
26211.171	381.0847	271A0	26224.567	381.1532	198A0	26236.853	381.3511	13180
26211.322	381.0628	385A0	26224.587	381.1363	189A0	26237.040	381.3240	13780
26211.442	381.0453	23080	26224.723	381.1136	177A0	26237.630	381.2393	13590
26211.591	381.0235	16080	26224.967	381.0782	183A0	26237.771	381.0218	217A0
26211.974	381.0681	237A0	2625.105	381.2052	251A0	26237.865	381.0242	197A0
26212.146	381.9431	234A0	2625.415	381.0131	598B0	26238.094	381.0180	232A0
26212.382	381.9070	131A0	2625.566	381.0911	594A0	26238.174	381.0159	165R0
26212.444	381.8936	12680	2625.682	381.0742	317C8	26238.445	381.0163	171C8
26212.714	381.8601	12480	2625.836	381.0519	235A0	26238.448	381.0195	162R1
26212.787	381.8435	157A0	2626.019	381.0258	198R1	26238.617	381.0049	325A0
26213.003	381.8137	185R0	2626.137	381.0081	184B1	26238.862	381.0059	16680
26213.220	381.7894	377A0	2626.240	381.0812	207A0	26238.925	381.0003	17280
26213.423	381.7570	196A0	2626.460	381.0612	178B0	26239.161	381.0161	128R0
26213.706	381.7158	190A0	2626.723	381.0230	17880	26239.614	380.9902	175C8
26214.000	381.6731	124A0	2626.870	381.0088	14280	26239.663	380.9431	189R1
26214.078	381.6617	141A0	2627.122	381.0749	134A0	26239.826	380.9194	333A0
26214.248	381.6370	15280	2627.373	381.0385	14080	26239.927	380.9047	220C8
26214.588	381.5861	255A0	2627.452	381.0170	159A0	26240.097	380.8801	141A0
26214.687	381.5732	143C8	2627.545	381.0006	134A0	26240.249	380.8580	138A0
26214.895	381.5428	191A0	2627.741	381.0765	123A0	26240.546	380.8149	202A0
26215.223	381.4951	14280	2627.938	381.0504	326A0	26241.140	380.7287	133A0
26215.385	381.4803	179A0	2628.323	381.5903	229C8	26241.266	380.7104	11780
26215.376	381.4729	16780	2628.661	381.5263	212B2	26241.384	380.6932	119C8
26215.507	381.4539	160A0	2628.762	381.5266	217A0	26241.586	380.6639	250A0
26215.643	381.4341	175A0	2629.132	381.4641	300A0	26241.794	380.6336	130A0
26216.131	381.3630	118R0	2629.292	381.4553	318C8	26242.042	380.5978	11680
26216.331	381.3340	172A0	2629.383	381.4407	214C8	26242.169	380.5793	14380
26216.414	381.3218	163A0	2629.481	381.4221	14980	26242.267	380.5650	220A0
26217.069	381.2703	136A0	2629.638	381.3996	174A0	26242.397	380.5421	159R0
26217.007	381.2556	19780	2629.813	381.3302	185A0	26242.529	380.5253	124A0
26217.120	381.2193	285A0	2629.968	381.2906	157A0	26242.926	380.4693	19450
26217.498	381.1643	177A0	2629.767	381.2716	15680	26242.986	380.4606	200A0
26217.882	381.1084	141A0	2629.880	381.2188	166A0	26243.257	380.4213	18880
26217.965	381.0962	185A0	2629.961	381.2071	16180	26243.505	380.3854	187A0
26218.090	381.0782	171A0	2629.948	381.1538	134A0	26243.890	380.3294	319B0
26218.342	381.0415	219A0	2629.446	381.1366	151A0	26244.028	380.3095	201A0
26218.634	381.0089	157A0	2629.558	381.1203	158A0	26244.136	380.2937	227A0
26218.693	381.0004	16180	2629.186	381.0691	182A0	26244.369	380.2599	157C8
26218.807	381.0007	11480	2629.361	381.0036	195A0	26244.619	380.2336	334A0
26219.129	381.0036	156A0	2629.461	381.0082	151A0	26245.000	380.1683	191A0
26219.371	381.0018	13780	2629.693	381.0054	147A0	26245.842	380.0462	109C8
26220.054	381.0725	171A0				26245.920	380.0367	144C8

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
26246.037	3809.0176	20440	26258.227	3807.2249	16040	26271.682	3805.3575	13790
26246.203	3808.9937	16340	26258.434	3807.2184	15040	26271.421	3805.3374	23940
26246.415	3808.9629	20540	26258.602	3807.1982	26640	26271.776	3805.2859	10380
26246.574	3808.9339	34140	26258.883	3807.1584	13040	26272.014	3805.2514	18581
26246.706	3808.9207	32840	26258.978	3807.1405	14340	26272.177	3805.2279	31740
26246.800	3808.8925	17190	26259.279	3807.0970	20840	26272.442	3805.1895	14380
26247.058	3808.8656	17340	26259.351	3807.0865	17180	26272.636	3805.1614	15140
26247.190	3808.8505	20440	26259.634	3807.0454	17240	26272.697	3805.1525	15840
26247.446	3808.8195	14840	26259.763	3807.0268	17640	26272.798	3805.1139	13054
26247.579	3808.7940	11540	26259.988	3806.9932	12940	26272.967	3805.1134	16840
26247.736	3808.7713	16040	26260.202	3806.9631	14640	26273.400	3805.0507	21240
26247.856	3808.7538	17340	26260.266	3806.9539	13580	26273.539	3805.0306	14780
26247.939	3808.7417	14590	26260.416	3806.9322	15940	26273.639	3805.0162	14480
26248.253	3808.6982	17840	26260.883	3806.8645	29440	26273.678	3805.0105	14840
26248.512	3808.6587	11681	26260.953	3806.8542	22080	26273.810	3804.9914	14740
26248.695	3808.6322	17740	26261.545	3806.7684	12780	26274.171	3804.9391	18980
26248.848	3808.6099	12940	26262.038	3806.6970	18240	26274.403	3804.9055	31040
26248.951	3808.5920	12640	26262.284	3806.6614	14340	26274.690	3804.8664	27440
26249.102	3808.5730	16340	26262.477	3806.6334	19540	26274.857	3804.8337	17140
26249.227	3808.5580	13740	26263.176	3806.5360	24940	26275.035	3804.8139	12680
26249.325	3808.5407	14740	26263.471	3806.4893	13480	26275.168	3804.7746	14840
26249.488	3808.5171	13540	26263.594	3806.4589	13180	26275.336	3804.7704	26940
26249.978	3808.4480	14580	26263.784	3806.4440	17040	26275.531	3804.7421	17240
26250.302	3808.3989	12940	26263.878	3806.4303	13480	26275.752	3804.7172	15180
26250.619	3808.3530	17240	26264.416	3806.3523	16540	26275.813	3804.7013	15540
26250.874	3808.3159	18740	26264.792	3806.2979	11380	26275.916	3804.6863	20140
26251.255	3808.2606	17740	26264.881	3806.2850	12880	26276.056	3804.6661	15680
26251.467	3808.2299	13040	26265.038	3806.2621	23840	26276.128	3804.6557	16380
26251.706	3808.1923	15880	26265.327	3806.2303	21940	26276.293	3804.6317	28240
26251.976	3808.1500	23040	26265.449	3806.2027	14280	26276.416	3804.6140	19680
26252.367	3808.0954	11940	26265.720	3806.1654	16540	26276.979	3804.5535	18780
26252.711	3808.0495	15340	26265.882	3806.1388	13080	26277.342	3804.4768	12680
26252.817	3808.0361	10280	26265.945	3806.1308	13480	26277.418	3804.4689	17640
26252.986	3808.0095	13440	26266.107	3806.1073	16740	26277.539	3804.4514	14340
26253.546	3807.9293	19408	26266.427	3806.0609	23740	26277.733	3804.4233	16640
26253.625	3807.9169	24440	26266.973	3805.9917	13940	26277.806	3804.4127	14840
26253.797	3807.8920	23840	26267.045	3805.9714	14680	26278.033	3804.3798	21540
26254.208	3807.8323	16040	26267.210	3805.9475	21940	26278.268	3804.3459	13540
26254.389	3807.8060	13980	26267.380	3805.9227	15640	26278.515	3804.3101	20740
26254.561	3807.7812	20740	26267.450	3805.9126	14980	26278.563	3804.2886	29940
26254.714	3807.7589	18340	26267.651	3805.8835	20340	26278.860	3804.2601	14680
26255.137	3807.6975	13540	26267.820	3805.8590	16140	26278.924	3804.2568	12880
26255.261	3807.6797	15180	26268.094	3805.8193	22340	26279.023	3804.2385	11880
26255.527	3807.6700	14940	26268.469	3805.7651	13480	26279.167	3804.2157	18540
26255.380	3807.6623	15740	26268.543	3805.7543	14540	26279.654	3804.1452	20340
26255.503	3807.6445	23740	26268.696	3805.7322	16240	26279.830	3804.1197	19040
26255.705	3807.6151	20140	26268.902	3805.7023	19740	26280.100	3804.0806	13540
26255.881	3807.5897	13540	26269.073	3805.6776	15080	26280.276	3804.0551	14940
26255.971	3807.5766	14140	26269.153	3805.6660	19140	26280.402	3804.0369	18740
26256.360	3807.5202	11980	26269.223	3805.6558	18340	26280.627	3804.0044	24940
26256.775	3807.4600	13340	26269.390	3805.6315	14980	26280.750	3803.9885	17580
26257.000	3807.4274	12940	26269.468	3805.6203	20140	26280.750	3803.9885	17580
26257.200	3807.3993	19540	26269.545	3805.6091	14980	26280.940	3803.9518	21040
26257.264	3807.3864	15880	26269.724	3805.5833	11780	26281.163	3803.9239	17940
26257.611	3807.3678	15940	26270.124	3805.5253	15740	26281.400	3803.8925	17940
26257.548	3807.3479	15640	26270.363	3805.4906	11280	26281.655	3803.8556	27540
26257.731	3807.3214	14640	26270.592	3805.4575	15840	26281.888	3803.8218	17580
26257.784	3807.3138	13190	26270.731	3805.4374	16840	26282.053	3803.7979	31040
26257.926	3807.2932	16340	26270.960	3805.4042	22140	26282.263	3803.7675	25340
26258.073	3807.2719	19440	26271.214	3805.3674	14240	26282.332	3803.7575	22080



SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
26282.458	1803.7394	21440	26292.880	3802.2316	31340	26304.713	3800.6210	15840
26282.680	1803.7072	10580	26293.064	3802.2050	22440	26304.866	3800.4790	160C8
26282.876	1803.6846	13140	26293.313	3802.1649	16440	26304.969	3800.4470	20140
26283.037	1803.6555	20240	26293.546	3802.1353	15640	26305.114	3800.4632	32740
26283.500	1803.5885	12940	26293.777	3802.1143	10380	26305.392	3800.4230	14540
26283.689	1803.5611	16940	26293.750	3802.1058	11980	26305.453	3800.4142	13780
26283.819	1803.5424	16740	26294.123	3802.0519	15240	26305.591	3800.3942	12740
26283.891	1803.5319	16440	26294.220	3802.0378	19680	26305.655	3800.3850	11080
26284.023	1803.4838	17840	26294.299	3802.0263	12980	26305.818	3800.3614	17540
26284.221	1803.4580	12580	26294.464	3802.0025	19440	26305.933	3800.3449	19440
26284.570	1803.4336	20740	26294.846	3801.9702	21680	26306.447	3800.2706	19040
26284.555	1803.4214	161C8	26295.196	3801.8967	65440	26306.529	3800.2587	20240
26284.688	1803.4166	159C8	26295.338	3801.8742	21040	26306.662	3800.2467	12680
26284.813	1803.3695	163C4	26295.442	3801.8658	11940	26306.987	3800.1925	125C8
26285.179	1803.3454	31440	26295.982	3801.7831	31240	26307.150	3800.1691	154C8
26285.430	1803.3092	20540	26296.425	3801.7479	21040	26307.230	3800.1575	21540
26285.793	1803.2568	15540	26296.386	3801.7246	30040	26307.343	3800.1412	140C8
26285.898	1803.2415	19340	26296.522	3801.7050	198C8	26307.517	3800.1160	20440
26286.009	1803.2268	15340	26296.656	3801.6855	15640	26307.787	3800.0771	20240
26286.101	1803.2122	14040	26296.867	3801.6551	14440	26307.874	3800.0644	155C8
26286.291	1803.1847	13480	26297.014	3801.6338	14440	26307.988	3800.0479	11680
26286.418	1803.1663	19840	26297.136	3801.6162	17440	26308.137	3800.0280	13540
26286.552	1803.1469	162C8	26297.269	3801.5970	14280	26308.253	3800.0082	16440
26286.646	1803.1323	15740	26297.442	3801.5720	14280	26308.334	3799.9980	12840
26286.897	1803.0949	24780	26298.021	3801.4882	19540	26308.885	3799.9184	15140
26287.024	1803.0786	21740	26298.082	3801.4794	15740	26309.233	3799.8682	18740
26287.109	1803.0664	171C8	26298.759	3801.3815	11180	26309.804	3799.7857	10280
26287.235	1803.0441	124C4	26298.910	3801.3597	13340	26309.881	3799.7746	11540
26287.411	1803.0277	214C8	26299.096	3801.3173	15140	26310.140	3799.7372	11880
26287.465	1803.0149	220C4	26299.396	3801.2631	19340	26310.240	3799.7227	15640
26287.627	1802.9914	34540	26299.527	3801.2095	25340	26310.324	3799.7105	16840
26287.888	1802.9535	18840	26299.578	3801.2631	19340	26310.593	3799.6718	13540
26287.976	1802.9409	167C8	26299.692	3801.2467	14540	26310.822	3799.6387	12780
26288.192	1802.9097	15240	26299.878	3801.2198	19140	26310.965	3799.6180	23240
26288.353	1802.8863	17540	26299.984	3801.2039	15140	26311.095	3799.5993	17640
26288.578	1802.8547	27440	26300.182	3801.1758	235C8	26311.206	3799.5833	16840
26288.767	1802.8264	14180	26300.230	3801.1689	252C4	26311.307	3799.5666	22940
26288.905	1802.8045	14440	26300.394	3801.1445	35240	26311.413	3799.5534	151C8
26289.045	1802.7823	13240	26300.664	3801.1062	20540	26311.618	3799.5237	16640
26289.257	1802.7555	13540	26300.804	3801.0859	17940	26311.863	3799.4883	22440
26289.399	1802.7350	23440	26300.906	3801.0712	195C4	26312.130	3799.4497	14340
26289.635	1802.7009	17240	26301.169	3801.0333	17340	26312.323	3799.4219	19140
26289.985	1802.6502	18140	26301.322	3801.0111	14940	26312.413	3799.4089	172C4
26290.072	1802.6376	14240	26301.429	3800.9956	13040	26312.582	3799.3945	29840
26290.223	1802.6158	17540	26301.571	3800.9752	17040	26312.660	3799.3732	204C8
26290.302	1802.6044	15080	26301.814	3800.9400	14240	26312.946	3799.3419	14440
26290.476	1802.5792	25140	26301.976	3800.9100	12280	26313.151	3799.3023	16640
26290.505	1802.5660	18140	26302.050	3800.9059	11480	26313.248	3799.2863	17840
26290.706	1802.5460	82C8	26302.234	3800.8793	14640	26313.374	3799.2701	207C8
26290.876	1802.5211	31540	26302.501	3800.8408	13280	26313.440	3799.2560	25640
26290.876	1802.5109	247C8	26302.635	3800.8214	11080	26313.518	3799.2493	174C8
26291.204	1802.4739	21240	26302.984	3800.7709	18140	26313.757	3799.2148	20340
26291.414	1802.4435	13040	26303.112	3800.7524	18340	26313.864	3799.1965	29140
26291.497	1802.4316	12180	26303.464	3800.7016	12380	26314.023	3799.1764	164C8
26291.738	1802.3966	18440	26303.666	3800.6723	21740	26314.172	3799.1550	20140
26291.813	1802.3858	16080	26303.868	3800.6432	13440	26314.349	3799.1294	22640
26291.953	1802.3656	20140	26304.264	3800.5840	32280	26314.469	3799.1207	22840
26292.154	1802.3366	22040	26304.436	3800.5611	14440	26314.566	3799.1067	181C8
26292.386	1802.3029	17040	26304.536	3800.5394	10680	26314.615	3799.0910	16840

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
26314.751	3799.0714	13440	26324.530	3797.4601	10498	26334.758	3795.1850	30040
26314.940	3798.0427	10040	26324.745	3797.6290	27540	26335.027	3794.1463	16440
26315.077	3798.0242	14040	26324.840	3797.6167	15048	26335.091	3794.1371	15590
26315.174	3798.0049	16440	26324.974	3797.5960	13740	26335.394	3794.0933	18640
26315.341	3798.0042	12540	26325.186	3797.5654	23440	26335.743	3795.0719	17240
26315.497	3798.0436	19240	26325.289	3797.5505	21440	26335.711	3794.0476	14240
26315.574	3798.0536	15190	26325.546	3797.5083	27140	26335.921	3794.0174	18690
26315.697	3798.0347	12408	26325.666	3797.4741	22048	26336.090	3795.0945	30440
26315.855	3798.0120	21340	26325.918	3797.4544	18440	26336.162	3795.0827	21208
26315.928	3798.0014	14708	26326.075	3797.4371	17040	26336.304	3795.0616	22640
26316.174	3798.0656	16208	26326.169	3797.4236	15480	26336.584	3795.0979	13540
26316.271	3798.0518	20240	26326.247	3797.4066	15480	26336.750	3795.0979	13540
26316.430	3798.0264	33340	26326.366	3797.3942	17108	26336.855	3795.0814	11940
26316.519	3798.0171	24608	26326.512	3797.3742	30440	26337.014	3795.0814	11940
26316.648	3798.0740	17740	26326.712	3797.3653	21240	26337.332	3795.0816	12440
26316.745	3798.0608	15290	26327.004	3797.3432	15040	26337.531	3795.0853	15840
26316.872	3798.0652	15440	26327.122	3797.2941	12640	26337.743	3795.0548	19940
26317.082	3798.0749	19340	26327.212	3797.2731	15440	26337.487	3795.0741	17240
26317.189	3798.0793	21440	26327.551	3797.2243	14240	26338.058	3795.0794	11790
26317.330	3798.0591	17740	26327.632	3797.2126	15408	26338.234	3795.0840	18740
26317.542	3798.0635	13204	26327.706	3797.2019	20240	26338.587	3795.0432	15640
26317.861	3798.0623	14440	26327.780	3797.1912	14108	26338.666	3795.0218	17340
26317.983	3798.0647	16940	26327.981	3797.1622	10290	26338.795	3795.0631	23740
26318.314	3798.0567	12090	26328.109	3797.1518	12608	26338.940	3795.0523	14408
26318.554	3798.0427	13440	26328.185	3797.1329	17140	26339.023	3795.0524	13608
26318.835	3798.0414	16440	26328.347	3797.1044	20440	26339.147	3795.0524	21640
26318.962	3798.0435	19240	26328.448	3797.0891	18340	26339.454	3795.0542	23540
26319.163	3798.0365	13608	26328.631	3797.0645	11290	26339.526	3795.0478	23540
26319.941	3798.0321	14940	26328.617	3797.0416	11490	26339.614	3795.0452	19440
26320.095	3798.0300	19140	26328.706	3797.0296	10690	26340.341	3795.0404	11940
26320.254	3798.0269	21540	26328.829	3797.0164	19440	26340.589	3795.0447	21940
26320.328	3798.0263	19140	26329.363	3796.9629	15440	26340.692	3795.0298	16740
26320.394	3798.0255	16490	26329.956	3796.8774	13190	26340.688	3795.0316	16540
26320.749	3798.0227	15440	26330.202	3796.8420	24240	26340.968	3795.0280	15440
26321.019	3798.0165	13990	26330.430	3796.8060	9140	26341.048	3795.0286	15440
26321.071	3798.0152	16340	26330.563	3796.7899	21140	26341.314	3795.0202	17040
26321.271	3798.0132	16340	26330.802	3796.7544	13640	26341.460	3795.0212	17640
26321.363	3798.0110	18240	26330.948	3796.7343	17740	26341.460	3795.0212	17640
26321.466	3798.0122	13490	26331.332	3796.6749	17440	26341.654	3795.0113	26140
26321.643	3798.0746	18940	26331.556	3796.6467	13640	26341.795	3795.0109	25190
26321.953	3798.0663	18140	26331.777	3796.6145	21840	26341.945	3795.0193	34440
26321.935	3798.0344	19240	26331.989	3796.5843	21240	26342.186	3795.0145	21440
26322.173	3798.0001	14940	26332.081	3796.5709	20440	26342.386	3795.0145	21440
26322.250	3797.9890	19008	26332.165	3796.5588	16690	26342.539	3795.0517	14640
26322.464	3797.9549	16140	26332.388	3796.5267	32740	26342.627	3795.0511	15140
26322.698	3797.9243	14408	26332.583	3796.4946	19440	26342.803	3795.0455	16240
26322.763	3797.9149	17440	26332.691	3796.4831	16940	26342.950	3795.0455	16240
26322.964	3797.8860	12780	26332.903	3796.4524	17240	26343.016	3794.9448	17440
26323.183	3797.8564	20740	26333.105	3796.4233	21308	26343.111	3794.9614	14240
26323.273	3797.8414	16840	26333.242	3796.4036	30740	26343.268	3794.9586	12640
26323.445	3797.8166	13308	26333.330	3796.3910	19408	26343.482	3794.9279	17008
26323.645	3797.7876	23108	26333.519	3796.3636	13640	26343.556	3794.9172	21508
26323.717	3797.7773	21090	26333.519	3796.3636	13640	26343.641	3794.9049	27508
26323.785	3797.7676	31140	26333.659	3796.3339	14940	26343.718	3794.8938	33840
26323.856	3797.7572	24908	26333.901	3796.3084	10908	26343.846	3794.8467	25440
26323.922	3797.7478	20290	26334.051	3796.2814	10490	26344.131	3794.8344	16508
26324.022	3797.7333	21640	26334.115	3796.2677	16490	26344.287	3794.8120	16240
26324.098	3797.7224	24840	26334.243	3796.2395	19440	26344.441	3794.7897	15140
26324.214	3797.7056	15708	26334.406	3796.2357	10880	26344.506	3794.7603	15740
26324.390	3797.6817	15540	26334.572	3796.2118	27740	26344.765	3794.7430	16340

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26344.952	3794.7161	16440	26354.038	3793.4078	19140	26364.218	3791.9286	14140
26345.184	3794.6855	11990	26354.332	3793.3655	23640	26364.453	3791.9092	12840
26345.252	3794.6728	15640	26354.419	3793.3530	15640	26364.615	3791.8571	17140
26345.482	3794.6397	21140	26354.509	3793.3401	15980	26364.972	3791.8346	23640
26345.560	3794.6285	14590	26354.567	3793.3281	16408	26365.049	3791.8235	17008
26345.709	3794.6071	24240	26354.768	3793.3026	22608	26365.190	3791.8032	18540
26346.028	3794.5911	18780	26354.891	3793.2851	32640	26365.285	3791.7895	13040
26346.385	3794.5702	24940	26355.038	3793.2738	34440	26365.399	3791.7731	10890
26346.511	3794.4915	18340	26355.302	3793.2143	27240	26365.536	3791.7535	14340
26346.611	3794.4762	12308	26355.508	3793.1962	14680	26366.086	3791.6743	25440
26347.012	3794.4193	23440	26355.554	3793.1838	14040	26366.191	3791.6593	25140
26347.135	3794.4077	14108	26355.686	3793.1706	14504	26366.260	3791.6494	21108
26347.210	3794.3908	12880	26355.985	3793.1419	23540	26366.438	3791.6237	16640
26347.275	3794.3615	11508	26356.175	3793.1021	34740	26366.546	3791.6082	14040
26347.378	3794.3670	12240	26356.440	3793.0821	15240	26366.608	3791.5992	16708
26347.620	3794.3318	19540	26356.520	3793.0585	12608	26366.685	3791.5882	21240
26347.698	3794.3207	21940	26356.609	3793.0378	11408	26366.904	3791.5567	18881
26347.764	3794.3109	18190	26356.874	3792.9996	20740	26367.070	3791.5328	31340
26347.877	3794.2948	16440	26357.134	3792.9421	11780	26367.153	3791.5209	22308
26347.993	3794.2781	15740	26357.280	3792.9411	11608	26367.247	3791.5073	19140
26348.162	3794.2538	15640	26357.426	3792.9194	20940	26367.348	3791.4929	17190
26348.308	3794.2327	18640	26357.533	3792.9085	14908	26367.410	3791.4839	17940
26348.808	3794.1608	23240	26358.001	3792.8792	16940	26367.526	3791.4673	18340
26348.919	3794.1448	20004	26358.480	3792.8222	26740	26367.629	3791.4525	12440
26349.087	3794.1205	34240	26358.680	3792.7109	16908	26367.875	3791.4170	14640
26349.344	3794.0935	15340	26359.318	3792.6479	17280	26367.995	3791.3999	16040
26349.416	3794.0733	14890	26359.455	3792.6282	29440	26368.086	3791.3867	15308
26349.528	3794.0571	16240	26359.613	3792.6055	19108	26368.164	3791.3755	19340
26349.629	3794.0426	15340	26359.736	3792.5876	14240	26368.263	3791.3613	19940
26349.694	3794.0332	15240	26359.940	3792.5584	12740	26368.424	3791.3392	33040
26349.768	3794.0226	12940	26360.207	3792.5199	11280	26368.507	3791.3261	24208
26349.983	3793.9915	23940	26360.360	3792.4979	11280	26368.689	3791.3001	16604
26350.129	3793.9745	23940	26360.524	3792.4744	17240	26368.845	3791.2777	17440
26350.212	3793.9586	19104	26360.764	3792.4395	27240	26368.911	3791.2691	14608
26350.377	3793.9348	19240	26360.963	3792.4113	33940	26369.333	3791.2074	15440
26350.533	3793.9123	21540	26361.136	3792.3843	23640	26369.510	3791.1820	21440
26350.679	3793.8913	27240	26361.318	3792.3601	15040	26369.590	3791.1719	14208
26350.835	3793.8689	14608	26361.485	3792.3361	23940	26369.762	3791.1457	15640
26350.985	3793.8473	14540	26361.682	3792.3077	22240	26369.916	3791.1236	15940
26351.103	3793.8302	12990	26361.741	3792.2992	21080	26369.985	3791.1137	18040
26351.365	3793.7925	19140	26361.877	3792.2798	14840	26370.135	3791.0921	16540
26351.443	3793.7814	22440	26361.964	3792.2672	13408	26370.264	3791.0736	21340
26351.570	3793.7631	14408	26362.093	3792.2486	21240	26370.339	3791.0628	17308
26351.640	3793.7492	10290	26362.330	3792.2145	18440	26370.529	3791.0355	15140
26351.838	3793.7245	20740	26362.568	3792.1916	10608	26370.761	3791.0022	11440
26351.907	3793.7146	16890	26362.584	3792.1823	15640	26370.864	3790.9848	13340
26352.014	3793.6991	13440	26362.745	3792.1549	20740	26371.028	3790.9638	15640
26352.175	3793.6760	16990	26362.826	3792.1441	13408	26371.150	3790.9462	13240
26352.247	3793.6656	18940	26362.968	3792.1227	14140	26371.322	3790.9215	19440
26352.423	3793.6403	30640	26363.119	3792.1011	14540	26371.782	3790.8553	13740
26352.503	3793.6247	22008	26363.295	3792.0757	17140	26372.213	3790.7934	15390
26352.756	3793.5923	27540	26363.457	3792.0525	23640	26372.392	3790.7677	28540
26352.908	3793.5704	33940	26363.622	3792.0287	31440	26372.483	3790.7546	23340
26353.040	3793.5514	19204	26363.695	3792.0182	22608	26372.639	3790.7322	16440
26353.150	3793.5356	15640	26363.785	3792.0099	16608	26372.700	3790.7234	15008
26353.255	3793.5205	14004	26363.862	3791.9913	14240	26372.826	3790.7063	14040
26353.429	3793.5144	11740	26364.014	3791.9723	20340	26372.978	3790.6834	12540
26353.637	3793.4955	20640	26364.075	3791.9636	18680	26373.150	3790.6588	13340
26353.909	3793.4263	23140	26364.171	3791.9498	11680	26373.263	3790.6425	16140

32615 6 0249 6 1

30642 7 4275 6 11

30168 6 3800 7 1

31373 7 7005 6 11

30636 4 4275 6 11

34741 4 8379 4 2

26683 5 620 5 11

33674 4 7103 3 1

26683 5 620 5 11

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SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION
26373.655	3790.5862	169A0	26393.052	3789.2359	131A0	26394.185	3787.6377	151A0
26373.732	3790.5781	149B0	26393.191	3789.2160	203A0	26394.337	3787.6158	158C8
26373.887	3790.5528	217A0	26393.250	3789.2046	218A0	26394.405	3787.6041	198A0
26374.000	3790.5368	178B0	26393.340	3789.1947	190C8	26394.609	3787.5881	131A0
26374.133	3790.5175	158A0	26393.463	3789.1770	163A0	26394.921	3787.5321	143A0
26374.304	3790.4929	132B0	26393.540	3789.1659	155A0	26395.040	3787.5149	140A0
26374.399	3790.4792	158A0	26393.958	3789.1058	167A0	26395.103	3787.5059	144A0
26374.614	3790.4483	172A0	34085.5	8810.5	2	26395.294	3787.4785	161A0
26374.754	3790.4281	240A0	26394.310	3789.0553	204A0	26395.538	3787.4435	207A0
26374.824	3790.4182	176B0	26394.580	3789.0166	126A0	26395.680	3787.4231	171A0
26375.004	3790.3920	161A0	26394.815	3788.9827	116B0	26395.998	3787.3919	97B0
26375.132	3790.3737	186A0	26395.071	3788.9461	165A0	26395.993	3787.3782	128B0
26375.220	3790.3611	215B0	26395.272	3788.9171	123A0	26396.103	3787.3625	179A0
26375.374	3790.3390	327A0	26395.433	3788.8937	161A0	26396.190	3787.3499	216A0
26375.474	3790.3268	332A0	26395.505	3788.8837	151A0	26396.304	3787.3250	337A0
26375.563	3790.3119	252C8	26395.729	3788.8472	132A0	26396.509	3787.3042	187C8
26375.704	3790.2916	158A0	26395.923	3788.8237	206A0	26396.618	3787.2895	150A0
26375.883	3790.2859	214A0	26396.010	3788.8111	150A0	26396.723	3787.2735	156A0
26375.950	3790.2550	149B0	26396.616	3788.7241	173A0	26396.821	3787.2594	162A0
26376.084	3790.2368	165B0	26396.746	3788.7056	150A0	26396.995	3787.2345	288A0
26376.263	3790.2205	305A0	26396.903	3788.6830	178A0	26397.141	3787.2135	159C8
26376.478	3790.1804	192A0	26397.083	3788.6570	166A0	26397.126	3787.1849	209A0
26376.558	3790.1472	152C8	26397.236	3788.6351	151A0	26397.265	3787.1440	141A0
26376.861	3790.1326	219C4	26397.476	3788.6007	275A0	26397.695	3787.1051	151A0
26377.047	3790.0986	358A0	26397.866	3788.5447	191A0	26398.090	3787.0630	228A0
26377.342	3790.0563	238A0	26397.958	3788.5315	178A0	26398.217	3787.0591	145B0
26377.418	3790.0453	179C4	26398.058	3788.5172	195A0	26398.386	3787.0348	279A2
26377.520	3790.0307	141A0	26398.609	3788.4390	141A0	26398.470	3787.0228	185C8
26377.604	3790.0196	157A0	26398.780	3788.4135	126C8	26398.699	3786.9900	268A0
26377.653	3790.0116	14170	26398.846	3788.4040	133C8	26399.055	3786.9389	135C8
26377.859	3789.9819	174A0	26398.945	3788.3940	153A0	26399.133	3786.9278	179C8
26378.061	3789.9487	129B0	26399.025	3788.2435	135A0	26399.203	3786.9177	228A0
26378.298	3789.9189	157A0	26399.039	3788.2327	254A0	26399.276	3786.9072	201A0
26378.404	3789.9036	194A0	26399.124	3788.2205	170C8	26399.344	3786.8975	151C8
26378.544	3789.8852	301A0	26399.264	3788.1975	175C8	26399.535	3786.8700	169C8
26378.683	3789.8637	171C8	26399.368	3788.1855	204C4	26399.712	3786.8446	280A0
26378.875	3789.8354	168A0	26399.539	3788.1609	345A0	26399.843	3786.8259	344A0
26378.957	3789.8242	159A0	26399.670	3788.1422	269A0	26399.974	3786.8071	236C8
26379.105	3789.8029	288A0	26399.796	3788.1240	211B2	26400.064	3786.7941	184A0
26379.185	3789.7914	194C4	26399.878	3788.1124	159B0	26400.163	3786.7799	176A0
26379.234	3789.7845	167C4	26399.999	3788.0865	148C4	26400.229	3786.7705	162A0
26379.394	3789.7615	273A0	26399.200	3788.0661	248C4	26400.337	3786.7549	176A0
26379.460	3789.7520	224C4	26399.267	3788.0565	314A0	26400.441	3786.7400	171A0
26379.590	3789.7331	194A0	26399.418	3788.0348	229A0	26400.519	3786.7290	154A0
26380.011	3789.7122	174A0	26399.535	3788.0190	160A0	26400.655	3786.7091	216A0
26380.209	3789.6314	176A0	26399.658	3788.0003	197A0	26400.912	3786.6725	130A0
26380.474	3789.6082	261A0	26399.742	3787.9883	204A0	26401.067	3786.6502	221A0
26380.568	3789.5928	237A0	26399.880	3787.9685	294A0	26401.325	3786.6133	158A0
26380.671	3789.5779	150C8	26399.076	3787.9404	175C8	26401.442	3786.5966	147A0
26380.866	3789.5499	160A0	26399.236	3787.9174	275A0	26401.617	3786.5715	290A0
26380.938	3789.5396	139B0	26399.315	3787.9060	176C8	26401.869	3786.5353	130A0
26381.118	3789.5138	144A0	26399.462	3787.8850	116A0	26402.256	3786.4770	124B0
26381.423	3789.4700	172A0	26399.206	3787.7781	172A0	26402.456	3786.4511	211A0
26381.505	3789.4582	148A0	26399.322	3787.7615	161A0	26403.083	3786.3611	237A0
26381.583	3789.4470	137A0	26399.398	3787.7505	142B0	26403.321	3786.3271	110A0
26381.663	3789.4355	156A0	26399.590	3787.7231	210A0	26403.982	3786.2763	216B0
26381.862	3789.3825	132A0	26399.669	3787.7117	141C8	26403.759	3786.2682	132C8
26382.029	3789.3529	152A0	26399.954	3787.6709	123A0	26404.024	3786.2282	127B0
26382.612	3789.2763	160A0	26394.085	3787.6520	133A0	26404.185	3786.2031	104B0





SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
26403.675	3777.6916	3740	26473.749	3776.2512	17040	26481.237	3774.8010	33240
26403.755	3777.6892	17RCB	26473.654	3776.2391	14000	26481.352	3774.8040	266C8
26404.004	3777.6487	156A0	26473.997	3776.2187	14440	26483.523	3774.8604	18540
26404.065	3777.6359	14440	26474.108	3776.2028	14940	26483.683	3774.8425	15840
26404.194	3777.6175	14040	26474.295	3776.1776	13240	26483.783	3774.8233	12840
26404.628	3777.5556	14540	26474.416	3776.1549	14540	26483.912	3774.8048	13140
26404.823	3777.5278	12940	26474.495	3776.1477	14940	26484.114	3774.7760	16040
26404.950	3777.5096	15440	26474.653	3776.1250	12440	26484.208	3774.7627	18140
26405.081	3777.4909	25340	26474.847	3776.0831	15440	26484.380	3774.7262	13440
26405.202	3777.4607	27940	26475.071	3776.0617	104C8	26484.461	3774.7266	12890
26405.757	3777.3945	21640	26475.171	3776.0512	147C8	26484.535	3774.7161	14040
26405.895	3777.3748	29140	26475.240	3776.0416	14940	26484.650	3774.6940	19440
26406.043	3777.3532	16140	26475.440	3776.0128	17440	26484.770	3774.6828	13980
26406.117	3777.3430	13680	26475.615	3775.9819	32140	26484.928	3774.6615	15680
26406.260	3777.3213	16740	26475.681	3775.9613	39180	26484.986	3774.6518	15680
26406.390	3777.3040	20340	26475.888	3775.9400	13440	26484.950	3774.6391	10640
26406.496	3777.2809	17040	26475.924	3775.9419	127C4	26484.917	3774.6218	150C8
26406.766	3777.2505	21540	26476.011	3775.9314	17440	26484.925	3774.6115	19540
26406.874	3777.2350	13840	26476.150	3775.9116	14380	26484.961	3774.5983	15440
26407.045	3777.2095	14440	26476.224	3775.9010	15440	26484.938	3774.5874	14140
26407.744	3777.1108	16040	26476.393	3775.8770	24040	26484.957	3774.5690	12740
26407.832	3777.0983	14140	26476.490	3775.8345	17440	26485.745	3774.5637	16740
26407.921	3777.0891	15140	26476.476	3775.8040	11440	26485.803	3774.5354	16340
26408.046	3777.0605	14640	26476.942	3775.7922	100C8	26486.098	3774.4934	14840
26408.195	3777.0404	13350	26477.073	3775.7769	15340	26486.214	3774.4767	11540
26408.394	3777.0191	20240	26477.431	3775.7249	12740	26486.316	3774.4623	14840
26408.472	3777.0059	19240	26477.574	3775.7045	11740	26486.507	3774.4350	13140
26408.633	3776.9840	13540	26477.757	3775.6824	17240	26484.616	3774.4195	13840
26408.874	3776.9496	18940	26477.998	3775.6641	1340	26486.771	3774.3974	18240
26409.045	3776.9252	10590	26478.090	3775.6349	14940	26487.261	3774.3276	17440
26409.195	3776.9037	17740	26478.269	3775.6093	31640	26487.469	3774.2990	14240
26409.541	3776.8543	16440	26478.350	3775.5979	250C8	26487.576	3774.2827	20540
26409.848	3776.8106	17840	26478.531	3775.5720	24940	26487.651	3774.2720	14290
26409.936	3776.7980	15640	26478.815	3775.5315	13740	26487.769	3774.2552	12640
26420.074	3776.7794	19840	26478.948	3775.5098	32240	26487.936	3774.2311	10090
26420.179	3776.7633	21340	26479.134	3775.4861	16940	26488.172	3774.1978	12940
26420.326	3776.7484	26540	26479.210	3775.4646	20240	26488.370	3774.1696	10240
26420.397	3776.7323	27740	26479.452	3775.4407	26140	26488.846	3774.1017	12540
26420.485	3776.7198	184C8	26479.599	3775.4212	22740	26489.019	3774.0771	118C8
26420.761	3776.6803	19640	26479.750	3775.3982	19740	26489.085	3774.0677	15440
26420.880	3776.6634	15146	26479.941	3775.3619	19440	26489.142	3774.0595	16140
26420.912	3776.6597	167C4	26480.054	3775.3549	163C8	26489.424	3774.0194	11140
26421.039	3776.6378	29540	26480.353	3775.3123	13340	26489.491	3774.0098	12540
26421.234	3776.6128	140C4	26480.485	3775.2974	15440	26489.594	3773.9452	11040
26421.396	3776.5937	19040	26480.563	3775.2823	18440	26489.652	3773.9584	14040
26421.611	3776.5592	16940	26480.737	3775.2575	31340	26490.034	3773.8297	13040
26421.894	3776.5412	14940	26480.816	3775.2443	221C8	26490.138	3773.8176	13040
26421.767	3776.5368	137C4	26480.998	3775.2203	14440	26490.249	3773.8019	11340
26421.862	3776.5273	183C8	26481.099	3775.2073	15540	26490.399	3773.8005	10480
26421.916	3776.5076	25240	26481.172	3775.1955	15580	26490.474	3773.8699	10580
26422.013	3776.4770	36040	26481.260	3775.1829	19740	26490.768	3773.8270	93C8
26422.186	3776.4373	22340	26481.616	3775.1321	15940	26490.949	3773.8022	22040
26422.542	3776.4263	195C4	26481.846	3775.0937	27240	26491.028	3773.7909	139C8
26422.635	3776.4159	18240	26481.942	3775.0857	24980	26491.530	3773.7194	21640
26422.731	3776.3993	12440	26482.076	3775.0664	18240	26491.876	3773.6985	19340
26422.781	3776.3921	13040	26482.228	3775.0449	15540	26491.904	3773.6860	20040
26422.849	3776.3864	124C4	26482.315	3775.0325	13540	26492.033	3773.6677	13640
26423.271	3776.3223	17240	26482.730	3774.9722	21640	26492.154	3773.6305	13540
26423.584	3776.2751	16040	26482.856	3774.9551	23240			
26423.699	3776.2621	129C4	26483.123	3774.9174	26440			

30936 5 4452 4 11

30931 5 4453 4 11  
32469 5 5991 4 1

30818 4 4453 4 1

34344 6 7864 5 1

30747 7 4275 6 11

30937 3 4453 4 1  
30945 4 4453 4 1

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 26494.951 1773.2321 18200 26504.338 3771.8814 19540 26515.345 3770.3300 19740  
 26495.157 1773.2628 20440 26504.630 3771.8542 19140 26515.535 3770.3028 15540  
 26495.461 1773.1525 17840 26504.772 3771.8339 16200 26515.802 3770.2850 19240  
 26495.552 1773.1465 10100 26504.910 3771.8143 23040 26516.009 3770.2555 18540  
 26495.724 1773.1217 14140 26505.026 3771.7978 16240 26516.105 3770.2618 14240  
 26495.882 1773.0996 25040 26505.104 3771.7866 17440 26516.256 3770.2003 14440  
 26495.984 1773.0854 16940 26505.300 3771.7588 19840 26516.512 3770.1459 14400  
 26496.100 1773.0672 14140 26505.393 3771.7158 19840 26516.639 3770.1459 14400  
 26496.252 1773.0465 15640 26505.827 3771.6838 17340 26516.886 3770.1108 11740  
 26496.449 1773.0188 20340 26506.012 3771.6575 17540 26517.144 3770.0741 17240  
 26496.745 1772.9766 18740 26506.126 3771.6412 13540 26517.449 3770.0307 21940  
 26496.822 1772.9657 13300 26506.335 3771.5115 19540 26517.721 3769.9750 10100  
 26497.045 1772.9339 13740 26506.410 3771.5997 15240 26518.322 3769.9066 19140  
 26497.229 1772.9076 22240 26506.587 3771.5745 24440 26518.491 3769.8926 13340  
 26497.366 1772.8882 19340 26506.539 3771.5682 19100 26518.624 3769.8931 14140  
 26497.519 1772.8664 12440 26506.863 3771.5364 11900 26518.769 3769.8430 19640  
 26497.613 1772.8394 13000 26507.027 3771.5131 22200 26518.092 3769.8256 15940  
 26497.710 1772.8322 15740 26507.105 3771.5019 27440 26518.981 3769.8130 16640  
 26497.899 1772.8123 31540 26507.188 3771.4901 19700 26519.052 3769.7972 16040  
 26498.009 1772.7966 26940 26507.330 3771.4700 15440 26519.214 3769.7798 18740  
 26498.194 1772.7703 19040 26507.471 3771.4499 17640 26519.217 3769.7694 19740  
 26498.316 1772.7529 20440 26507.669 3771.4217 21840 26519.517 3769.7368 17140  
 26498.511 1772.7166 22440 26507.834 3771.3983 21640 26519.662 3769.6781 11000  
 26498.651 1772.7052 17140 26507.907 3771.3879 17340 26519.930 3769.6605 20840  
 26498.783 1772.6866 11400 26508.141 3771.3545 13400 26520.154 3769.6462 17780  
 26498.924 1772.6661 17740 26508.432 3771.3261 17340 26520.326 3769.6360 20140  
 26499.050 1772.6543 19040 26509.012 3771.3206 31840 26520.271 3769.6295 20240  
 26499.133 1772.6366 15940 26509.693 3771.3191 22600 26520.420 3769.6084 17040  
 26499.204 1772.6265 14640 26509.825 3771.3093 14340 26520.422 3769.5977 12400  
 26499.408 1772.5974 15240 26509.571 3771.1746 13340 26520.947 3769.5591 18140  
 26499.760 1772.5441 12000 26509.549 3771.1543 13240 26520.976 3769.5290 30840  
 26499.888 1772.5291 17140 26509.631 3771.1426 15740 26521.064 3769.5168 21600  
 26500.015 1772.5110 15340 26509.971 3771.0942 9200 26521.253 3769.4700 15140  
 26500.168 1772.4893 12240 26510.211 3771.0600 16440 26521.427 3769.4452 23540  
 26500.407 1772.4552 12840 26510.373 3771.0371 22300 26520.271 3769.6295 20240  
 26500.615 1772.4257 16840 26510.433 3771.0286 26040 26520.420 3769.6084 17040  
 26500.764 1772.4045 15340 26510.759 3770.9821 16040 26520.422 3769.5977 12400  
 26500.851 1772.3920 13940 26510.837 3770.9710 9500 26520.947 3769.5591 18140  
 26501.052 1772.3578 26240 26511.659 3770.9319 15740 26520.976 3769.5290 30840  
 26501.324 1772.3247 20640 26511.319 3770.8823 18540 26521.064 3769.5168 21600  
 26501.350 1772.3167 18440 26511.228 3770.8735 13740 26521.253 3769.4700 15140  
 26501.495 1772.3003 15640 26511.663 3770.8535 13300 26521.427 3769.4452 23540  
 26501.666 1772.2732 22740 26511.739 3770.8428 17640 26521.253 3769.4700 15140  
 26501.893 1772.2451 22340 26511.817 3770.8316 17140 26521.427 3769.4452 23540  
 26502.061 1772.2138 14940 26511.914 3770.8179 19740 26521.427 3769.4452 23540





SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	VL	I PS CLASSIFICATION ION
26550.748	3745.2976	21840	26561.221	3743.8176	17140	21569.737	3762.6113	12490
26550.871	3745.2850	18440	26561.350	3743.7995	16440	21569.909	3762.5870	12240
26550.948	3745.2684	14840	26561.462	3743.7836	17440	26570.006	3762.5732	12740
26551.100	3745.2524	19440	26561.602	3743.7628	22440	26570.142	3762.5590	17540
26551.208	3745.2371	15540	26561.814	3743.7336	24540	26570.465	3762.5111	18340
26551.349	3745.2171	19740	26561.892	3743.7226	23840	26570.666	3762.4894	21540
26551.530	3745.1915	17340	26561.974	3743.7109	19688	26570.767	3762.4654	14340
26551.825	3745.1736	18540	26562.106	3743.6972	21840	26570.993	3762.4334	16540
26551.933	3745.1584	13840	26562.283	3743.6672	14840	26571.262	3762.3954	16540
26552.112	3745.1090	20840	26562.436	3743.6455	13540	26571.353	3762.3875	13640
26552.273	3745.0961	12640	26562.707	3743.6071	12740	26571.542	3762.3557	19840
26552.645	3745.0334	31140	26562.821	3743.5910	16840	26571.719	3762.3307	20340
26553.143	3745.9627	16340	26562.913	3743.5779	16640	26571.844	3762.3130	22940
26553.376	3745.9208	26140	26563.080	3743.5542	26740	26571.906	3762.3042	20840
26553.561	3745.9034	16140	26563.226	3743.5336	14488	26572.023	3762.2876	15840
26553.747	3745.8771	10840	26563.343	3743.5171	13540	26572.137	3762.2714	13790
26553.849	3745.8598	18440	26563.427	3743.5051	13540	26572.328	3762.2445	27740
26553.993	3745.8422	18940	26563.659	3743.4722	25340	26572.403	3762.2338	21000
26554.079	3745.8301	18840	26563.836	3743.4471	35240	26572.469	3762.2046	19040
26554.161	3745.8164	19040	26564.049	3743.4099	20240	26572.786	3762.1796	12908
26554.214	3745.8106	17840	26564.175	3743.3992	16440	26572.821	3762.1746	13940
26554.402	3745.7842	30440	26564.269	3743.3858	15140	26573.057	3762.1412	21540
26554.682	3745.7446	14740	26564.404	3743.3667	13540	26573.241	3762.1171	22340
26555.229	3745.6670	17840	26564.528	3743.3491	13688	26573.314	3762.1044	33240
26555.337	3745.6517	19740	26564.596	3743.3409	13040	26573.449	3742.0856	21688
26555.438	3745.6374	15240	26564.744	3743.3185	11780	26573.599	3762.0846	24840
26555.565	3745.6194	19040	26564.902	3743.2961	19188	26573.732	3762.0656	25840
26555.763	3745.5912	23740	26564.958	3743.2882	21480	26573.820	3762.0331	17388
26555.925	3745.5644	33740	26565.127	3743.2643	34740	26574.034	3762.0059	15340
26556.329	3745.5110	27340	26565.366	3743.2194	20040	26574.202	3761.9792	18840
26556.483	3745.4943	24440	26565.450	3743.2149	20088	26574.386	3761.9530	32940
26556.597	3745.4731	20940	26565.629	3743.1932	14840	26574.555	3761.9277	18440
26556.668	3745.4630	21540	26565.791	3743.1702	14640	26574.655	3761.9150	16480
26556.817	3745.4418	23140	26565.964	3743.1451	25940	26574.714	3761.9066	16840
26556.891	3745.4314	17188	26566.105	3743.1257	19340	26574.881	3761.8830	24940
26557.177	3745.3909	15740	26566.286	3743.1001	14640	26575.001	3761.8660	18990
26557.315	3745.3713	26040	26566.433	3743.0793	17540	26575.191	3761.8398	28140
26557.531	3745.3406	14640	26566.502	3743.0694	13940	26575.309	3761.8234	17908
26557.629	3745.3267	13180	26566.668	3743.0459	18240	26575.970	3761.7268	26940
26557.864	3745.3175	14340	26566.739	3743.0358	20040	26576.203	3761.6958	17840
26557.884	3745.2990	14040	26566.918	3743.0106	34340	26576.441	3761.6621	14940
26558.080	3745.2616	21540	26567.001	3742.9988	27288	26576.761	3761.6168	17440
26558.238	3745.2505	17940	26567.141	3742.9733	21440	26577.931	3761.5927	27340
26558.434	3745.2126	14540	26567.273	3742.9603	19288	26577.155	3761.5611	17540
26558.655	3745.1913	17440	26567.473	3742.9272	15940	26577.303	3761.5401	14940
26558.784	3745.1630	27940	26567.611	3742.9124	16440	26577.426	3761.5237	14640
26558.892	3745.1478	19188	26567.760	3742.8912	20640	26577.599	3761.4983	12840
26558.974	3745.1362	16440	26567.868	3742.8740	13088	26577.871	3761.4597	15840
26559.113	3745.1164	23640	26567.927	3742.8676	11388	26578.247	3761.4066	16040
26559.445	3745.0693	19540	26568.205	3742.8283	14540	26578.361	3761.3704	17140
26559.594	3745.0477	17940	26568.349	3742.8079	19040	26578.563	3761.3618	14440
26559.841	3745.0132	11940	26568.492	3742.7876	17040	26578.762	3761.3336	15840
26560.027	3745.9869	20940	26568.547	3742.7798	15288	26578.916	3761.3119	11890
26560.137	3745.9713	13840	26568.749	3742.7512	16140	26579.161	3761.2771	20040
26560.213	3745.9696	13240	26568.906	3742.7290	11788	26579.348	3761.2507	12940
26560.608	3745.9045	16288	26568.980	3742.7126	15140	26579.679	3761.2038	10290
26560.691	3745.8928	20140	26569.311	3742.6716	20740	26580.020	3761.1557	19140
26560.735	3745.8866	20240	26569.385	3742.6611	23340	26580.155	3761.1351	12840
26560.922	3745.8600	28240	26569.481	3742.6476	17588	26580.311	3761.1144	16390
			26569.583	3742.6331	12440	26580.389	3761.1034	19240

SIG-4	WL	I PS CLASSIFICATION ION	SIG-4	WL	I PS CLASSIFICATION ION	SIG-4	WL	I PS CLASSIFICATION ION
26580.634	1761.0688	1780A	26590.942	3759.6107	1240A	26600.716	3758.2693	1930R
26580.830	1761.0610	26140	26591.125	3759.8848	1730A	26600.832	3758.2128	26340
26581.002	1761.0167	1830C	26591.174	3759.8779	1720A	26601.047	3758.1825	25340
26581.255	1760.9809	1570H	26591.232	3759.8697	1560A	26601.730	3758.0861	2180A
26581.375	1760.9639	21920	26591.505	3758.8240	1190A	26601.990	3758.0493	1860A
26581.447	1760.9537	1905C	26591.558	3758.8240	1190A	26602.272	3758.0094	20440
26581.693	1760.9188	23140	26591.694	3759.8058	20540	26602.272	3758.0094	20440
26581.921	1760.8866	33640	26591.816	3759.8871	1504C	26602.364	3757.9764	1795C
26582.100	1760.8614	24540	26591.947	3759.8685	25440	26602.411	3757.9898	18690
26582.224	1760.8435	1974A	26592.165	3759.8376	17340	26602.601	3757.9630	32440
26582.521	1760.8017	17340	26592.253	3759.8257	1880A	26602.850	3757.9278	1450A
26582.457	1760.7825	12940	26592.514	3759.8694	16280	26602.963	3757.9119	20040
26582.754	1760.7488	15940	26592.645	3759.8999	21240	26603.191	3757.8797	17940
26582.893	1760.7491	19040	26592.883	3759.8364	1780A	26603.283	3757.8666	14040
26583.140	1760.7142	1840A	26592.990	3759.8326	1450C	26603.412	3757.8484	11340
26583.301	1760.6714	26740	26593.077	3759.8089	20940	26603.530	3757.8304	12940
26583.447	1760.6680	15140	26593.192	3759.8940	21340	26603.630	3757.8176	14240
26583.659	1760.6449	2410A	26593.305	3759.8767	2740A	26603.827	3757.7897	16640
26583.729	1760.6308	21240	26593.440	3759.8575	20740	26603.945	3757.7731	14540
26583.824	1760.6174	20640	26593.595	3759.8356	30140	26604.105	3757.7505	14240
26584.060	1760.5940	14540	26593.717	3759.8194	29540	26604.269	3757.7273	15340
26584.120	1760.5755	14940	26593.867	3759.8172	20840	26604.367	3757.7163	14440
26584.348	1760.5433	1520A	26593.949	3759.8115	29240	26604.431	3757.7044	12940
26584.398	1760.5363	15040	26594.132	3759.8159	2700A	26604.528	3757.6908	14740
26584.467	1760.5265	19240	26594.341	3759.8302	19140	26604.644	3757.6743	14040
26584.617	1760.5052	18440	26594.405	3759.8211	19840	26604.769	3757.6568	21040
26584.728	1760.4866	1590A	26594.578	3759.8068	13940	26604.966	3757.6290	16740
26584.890	1760.4666	27840	26594.781	3759.8679	14040	26605.389	3757.5691	19940
26584.970	1760.4553	2110A	26594.874	3759.8549	12740	26605.463	3757.5587	17140
26584.126	1760.4332	27740	26594.123	3759.8197	18340	26605.804	3757.5106	12340
26585.397	1760.3948	15940	26594.486	3758.9683	19080	26606.038	3757.4790	15940
26585.591	1760.3688	21540	26594.592	3758.9548	19740	26606.132	3757.4642	15840
26585.868	1760.3293	30640	26594.621	3758.9361	19940	26606.224	3757.4512	12740
26586.257	1760.3733	35640	26594.666	3758.9101	15940	26606.538	3757.4072	1230A
26586.458	1760.2491	20440	26594.729	3758.8726	1230A	26606.575	3757.4016	1540A
26586.592	1760.2272	20540	26594.895	3758.7928	1740A	26606.761	3757.3415	12940
26586.662	1760.2160	19240	26594.924	3758.7652	14580	26607.001	3757.3415	12940
26586.823	1760.1730	20940	26597.113	3758.7384	26740	26607.413	3757.2833	19240
26587.033	1760.1635	23340	26597.275	3758.7156	22140	26607.601	3757.2568	26540
26587.227	1760.1361	14590	26597.472	3758.6877	12080	26607.853	3757.2212	15940
26587.330	1760.1215	15440	26597.736	3758.6504	15140	26607.928	3757.2106	17540
26587.500	1760.0974	16440	26597.935	3758.6223	23740	26608.087	3757.1892	20740
26587.689	1760.0707	30340	26598.208	3758.5836	23440	26608.163	3757.1774	15080
26587.777	1760.0582	2060A	26598.357	3758.5625	17240	26608.489	3757.1314	18140
26588.048	1760.0363	19240	26598.514	3758.5263	19140	26608.553	3757.1224	14440
26588.235	1759.9934	26540	26598.756	3758.5062	15440	26608.718	3757.0790	18340
26588.413	1759.9684	12940	26598.828	3758.4960	16440	26608.898	3757.0737	25740
26588.499	1759.9562	1080A	26598.962	3758.4771	17040	26609.168	3757.0355	12440
26588.665	1759.9327	13440	26599.029	3758.4676	15680	26609.298	3757.0171	12240
26588.850	1759.9065	19740	26599.251	3758.4363	17640	26609.621	3758.9715	14240
26589.034	1759.8802	30440	26599.329	3758.4253	22380	26609.807	3758.9452	19640
26589.154	1759.8633	23840	26599.504	3758.4006	1700A	26609.986	3758.9200	31940
26589.388	1759.8304	26940	26599.876	3758.3680	32740	26610.071	3758.9080	2320A
26589.602	1759.8002	19840	26599.957	3758.3365	25980	26610.348	3758.8830	17640
26589.718	1759.7837	21240	26600.135	3758.3114	16440	26610.583	3758.8639	26840
26590.136	1759.7247	18340	26600.210	3758.3008	16940	26610.632	3758.8260	25640
26590.207	1759.7146	1560A	26600.320	3758.2853	13240	26610.778	3758.8082	33940
26590.442	1759.6814	12940	26600.392	3758.2751	12780	26610.858	3758.7969	2560A
26590.672	1759.6498	21440	26600.506	3758.2590	12080	26611.050	3758.7699	17540
						26611.136	3758.7576	16380

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SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION
26611.243	1756.7419	210A0	26622.126	3745.0658	301A0	26634.106	3751.5091	112R0
26611.365	1756.7254	215A0	26623.406	3745.0263	133A0	26634.452	3751.4888	156A0
26611.582	1756.6947	203A0	26624.464	3745.0190	139A0	26634.540	3751.4565	185A0
26611.676	1756.6815	229A0	26625.713	3754.9829	251A0	26634.728	3751.4299	183C8
26611.935	1756.6449	279A0	26625.828	3754.9627	257A0	26634.795	3751.4205	211A0
26612.382	1756.5818	195A0	26626.041	3754.9367	162A0	26634.936	3751.4007	203A0
26612.563	1756.5263	300A0	26626.395	3754.9867	200A0	26635.148	3751.3707	187A0
26612.774	1756.4293	318A0	26626.620	3754.9550	124A0	26635.311	3751.3478	162A0
26612.989	1756.3861	173A0	26626.718	3754.9328	239A0	26635.598	3751.3074	152A0
26613.272	1756.4362	194A0	26626.949	3754.7946	110B0	26635.759	3751.2846	158A0
26613.369	1756.4452	188A0	26626.277	3754.7624	200A0	26635.806	3751.2780	158A0
26613.556	1756.4150	186A0	26626.430	3754.7408	200A0	26635.884	3751.2671	132A0
26613.628	1756.4059	179A0	26626.594	3754.7176	209A0	26636.039	3751.2467	179A0
26613.768	1756.3865	124A0	26626.654	3754.7050	207C8	26636.130	3751.2325	146A0
26614.100	1756.3393	138A0	26626.719	3754.6916	109A0	26636.233	3751.2180	123R0
26614.966	1756.2170	136A0	26626.915	3754.6723	177C8	26636.360	3751.1962	151A0
26615.258	1756.1790	162A0	26626.007	3754.6594	206A0	26636.762	3751.1434	124A0
26615.310	1756.1585	174A0	26626.220	3754.6294	279A0	26636.939	3751.1184	170B0
26615.440	1756.1502	228A0	26626.301	3754.6180	174C8	26637.057	3751.1004	247A0
26615.737	1756.1047	277A0	26626.472	3754.5938	150A0	26637.230	3751.0775	223A0
26616.003	1756.0622	164A0	26626.594	3754.5790	193A0	26637.328	3751.0637	206A0
26616.152	1756.0437	201A0	26626.813	3754.5458	156A0	26637.513	3751.0376	298A0
26616.378	1756.0178	144A0	26626.813	3754.5458	156A0	26637.897	3751.9835	221B0
26616.654	1755.9732	201A0	26627.060	3754.5110	110C8	26637.962	3751.9742	244A0
26616.808	1755.9471	170A0	26627.254	3754.4835	143A0	26638.075	3751.9584	177C8
26616.905	1755.9434	157A0	26627.797	3754.4071	231A0	26638.210	3751.9393	111B0
26616.998	1755.9314	167A0	26628.147	3754.3570	216A0	26638.328	3751.9231	147A0
26617.207	1755.9008	131A0	26628.317	3754.3337	187A0	26638.478	3751.9031	154A0
26617.402	1755.8732	137A0	26628.497	3754.3093	322A0	26638.582	3751.8899	153A0
26617.492	1755.8606	133C8	26628.794	3754.2864	239A0	26638.692	3751.8714	133C8
26617.634	1755.8405	152A0	26628.926	3754.2478	213A0	26638.777	3751.8595	251A0
26617.754	1755.8230	230A0	26629.346	3754.1886	193A0	26639.013	3751.8262	94R0
26617.836	1755.9119	161C8	26629.536	3754.1622	190A0	26639.250	3751.7928	134A0
26617.983	1755.7913	181A0	26629.633	3754.1491	121A0	26639.452	3751.7643	185C8
26618.109	1755.7736	141A0	26629.944	3754.1043	105C8	26639.534	3751.7528	244A0
26618.220	1755.7578	130A0	26630.157	3754.0743	129A0	26639.799	3751.7253	146A0
26618.456	1755.7246	184A0	26630.253	3754.0608	151A0	26640.000	3751.6971	201A0
26618.879	1755.6648	212A0	26630.319	3754.0514	147A0	26640.174	3751.6627	359A0
26619.111	1755.6321	168A0	26630.451	3754.0328	175A0	26640.438	3751.6254	184A0
26619.235	1755.6147	195A0	26630.488	3754.0276	178B0	26640.528	3751.6128	201A0
26619.377	1755.5945	198A0	26630.667	3754.0023	303A0	26640.742	3751.5927	186A0
26619.567	1755.5677	324A0	26630.903	3753.9831	171C8	26640.900	3751.5603	172A0
26619.650	1755.5561	244C9	26630.942	3753.9635	214B0	26641.232	3751.5137	201A0
26619.820	1755.5321	247A0	26630.990	3753.9568	231A0	26641.585	3751.4639	126A0
26619.892	1755.5219	204R0	26631.177	3753.9304	347A0	26641.940	3751.4139	138A0
26620.062	1755.5067	137R0	26631.468	3753.8978	266A0	26642.140	3751.3957	273A0
26620.170	1755.4815	274A0	26631.457	3753.8628	129A0	26642.368	3751.3536	145C8
26620.263	1755.4695	212A0	26631.808	3753.8416	294A0	26642.444	3751.3472	159A0
26620.400	1755.4440	141A0	26632.058	3753.8080	349A0	26642.614	3751.3185	204A0
26620.594	1755.4280	187C8	26632.289	3753.7738	194B0	26642.805	3751.2821	190C8
26620.686	1755.4141	255A0	26632.447	3753.7512	276A0	26642.884	3751.2510	240A0
26620.838	1755.3894	176A0	26632.733	3753.7112	255A0	26642.983	3751.2570	228A0
26621.084	1755.3588	187A0	26632.853	3753.6942	266A0	26643.245	3751.2301	156A0
26621.408	1755.3080	141A0	26633.000	3753.6736	165A0	26643.400	3751.2083	121B0
26621.659	1755.2726	118A0	26633.103	3753.6590	146A0	26643.481	3751.1968	99C8
26622.086	1755.2124	155A0	26633.221	3753.6424	211A0	26643.835	3751.1470	162A0
26622.285	1755.1843	167A0	26633.342	3753.6254	176A0	26643.904	3751.1373	138B0
26622.410	1755.1667	194A0	26633.648	3753.5822	252A0	26644.056	3751.1159	140B0
26622.624	1755.1366	264A0	26633.778	3753.5456	256A0	26644.141	3751.1039	173A0
26622.941	1755.1019	153A0	26633.025	3753.5291	101A0	26644.237	3751.0904	101A0

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
26644.407	3752.0965	13A40	26654.638	3750.6242	16A40	26665.120	3749.1519	289A0
26644.520	3752.0893	203A0	26654.701	3750.6019	17A40	26665.176	3749.1298	207A0
26644.950	3751.9790	122A0	26655.101	3750.5685	213A0	26665.380	3749.1153	221A0
26645.041	3751.9772	159A0	26655.180	3750.5499	162A0	26665.845	3749.0499	207A0
26645.155	3751.9611	176A0	26655.573	3750.5003	15A40	26666.678	3749.9328	182A0
26645.515	3751.9104	177C8	26655.608	3750.4898	177A0	26666.731	3749.9253	173A0
26645.609	3751.8972	256A0	26655.982	3750.4627	159A0	26666.924	3749.8982	121A0
26645.847	3751.8636	264A0	26655.980	3750.4371	281A0	26667.095	3749.8742	139A0
26645.909	3751.8550	219A0	26656.066	3750.4253	202C8	26667.259	3749.8511	146A0
26646.041	3751.8364	181A0	26656.400	3750.3783	163A0	26667.540	3749.8116	130A0
26646.172	3751.8190	133A0	26656.511	3750.3626	168A0	26667.620	3749.8004	155A0
26646.247	3751.8073	122A0	26656.596	3750.3507	13A40	26667.698	3749.7894	174A0
26646.336	3751.7949	126A0	26656.722	3750.3330	120A0	26667.817	3749.7727	169B0
26646.422	3751.7827	149A0	26656.722	3750.3330	120A0	26667.891	3749.7623	192A0
26646.511	3751.7702	184A0	26656.930	3750.3038	13A0	26668.038	3749.7416	177A0
26646.594	3751.7595	193A0	26657.133	3750.2752	215A0	26668.338	3749.6994	234A0
26646.705	3751.7429	225A0	26657.316	3750.2495	154A0	26668.506	3749.6759	341A0
26646.787	3751.7313	255A0	26657.439	3750.2321	148A0	26668.674	3749.6522	300A0
26646.952	3751.7091	351A0	26657.562	3750.2148	177A0	26668.928	3749.6166	193A0
26647.089	3751.6988	239C8	26658.077	3750.1424	14A0	26669.049	3749.5995	171A0
26647.212	3751.6715	198A0	26658.155	3750.1314	172A0	26669.120	3749.5895	169A0
26647.293	3751.6601	181A0	26658.241	3750.1193	148A0	26669.175	3749.5818	162B0
26647.400	3751.6450	162A0	26658.508	3750.0817	124A0	26669.343	3749.5581	128C8
26647.495	3751.6316	187A0	26658.712	3750.0531	163A7	26669.539	3749.5306	189A0
26647.650	3751.6039	129C8	26658.777	3750.0439	118B0	26669.758	3749.4998	194A0
26647.846	3751.5923	158C8	26659.033	3750.0090	19A0	26669.840	3749.4882	219A0
26647.916	3751.5723	174A0	26659.193	3749.9854	141A0	26669.921	3749.4770	244C8
26648.143	3751.5404	111A0	26659.482	3749.9487	215A0	26670.012	3749.4541	330A0
26648.215	3751.5302	07C8	26659.667	3749.9188	169A0	26670.288	3749.4453	171A0
26648.504	3751.4876	153A0	26659.965	3749.8748	140A0	26670.562	3749.4150	154A0
26648.747	3751.4525	129A0	26660.104	3749.8573	184A0	26670.503	3749.3951	165A0
26648.813	3751.4421	120C8	26660.215	3749.8418	174A0	26670.596	3749.3821	145C8
26649.377	3751.3687	204A0	26660.289	3749.8312	19A0	26670.745	3749.3611	193C8
26649.633	3751.3307	187A0	26660.408	3749.8061	212A0	26670.921	3749.3364	326A0
26649.761	3751.3127	162A0	26660.600	3749.7875	202A0	26671.185	3749.2993	160A0
26649.826	3751.3035	208A0	26660.763	3749.7645	17A0	26671.271	3749.2872	142A0
26650.301	3751.2366	295A0	26660.951	3749.7382	29A0	26671.451	3749.2619	169A0
26650.370	3751.2257	245C8	26661.121	3749.7141	195C8	26671.663	3749.2321	192A0
26650.587	3751.1944	271A0	26661.283	3749.6914	247A0	26671.777	3749.2160	169A0
26650.742	3751.1746	354A0	26661.610	3749.6455	143A0	26671.889	3749.2003	165A0
26651.016	3751.1363	192A0	26661.822	3749.6156	184A0	26672.093	3749.1716	196A0
26651.090	3751.1296	191A0	26661.916	3749.6021	221A0	26672.153	3749.1632	183C8
26651.194	3751.1109	227A0	26662.058	3749.5824	142A0	26672.203	3749.1562	163C8
26651.319	3751.0734	264A0	26662.238	3749.5570	215A0	26672.822	3749.0692	151A0
26651.607	3751.0528	218A0	26662.401	3749.5362	164A0	26673.073	3749.0339	145C4
26651.744	3751.0316	175A0	26662.538	3749.5149	194A0	26673.250	3749.0091	210A0
26652.034	3750.9927	189A0	26662.765	3749.4830	239A0	26673.467	3749.9785	171A0
26652.299	3750.9554	209A0	26662.818	3749.4755	204B0	26673.709	3749.9446	174A0
26652.580	3750.9158	144A0	26662.899	3749.4656	171B0	26673.986	3749.9057	138A0
26652.837	3750.8797	152A0	26663.091	3749.4372	151A0	26674.181	3749.8783	193A0
26652.938	3750.8655	163A0	26663.292	3749.4083	182A0	26674.272	3749.8654	178A0
26653.108	3750.8415	132A0	26663.351	3749.4006	185A0	26674.584	3749.8498	197A0
26653.234	3750.8238	156A0	26663.644	3749.3594	173A0	26674.642	3749.8135	150C8
26653.508	3750.7748	142A0	26663.935	3749.3345	208A0	26674.707	3749.8044	173A0
26653.712	3750.7645	145C8	26664.164	3749.2863	121A0	26674.860	3749.7788	242A0
26653.712	3750.7507	158B0	26664.368	3749.2576	125C8	26674.960	3749.7688	208A0
26653.853	3750.7398	128B0	26664.438	3749.2478	139A0	26675.039	3749.7578	148C8
26654.011	3750.7145	151A0	26664.705	3749.2101	140A0	26675.125	3749.7457	135A0
26654.407	3750.6588	116A0	26664.927	3749.1790	193A0	26675.314	3749.7191	111C8

SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION
26675.644	1747.6727	15440	26685.868	3746.2453	18440	26698.103	3744.5201	150C8
26676.877	1747.6400	17360	26686.938	3746.2270	15240	26698.235	3744.5014	166A0
26676.056	1747.6148	30440	26688.307	3746.1640	25640	26698.539	3744.4589	18780
26676.175	1747.5981	25540	26688.459	3746.1539	17680	26698.588	3744.4520	150C8
26676.244	1747.5881	19480	26688.560	3746.1397	21280	26698.735	3744.4314	25940
26676.323	1747.5774	153C8	26688.643	3746.1280	17240	26698.860	3744.4138	201C8
26676.537	1747.5473	13080	26688.791	3746.0651	16840	26699.028	3744.3903	16740
26676.674	1747.5279	14040	26688.799	3746.0387	20140	26699.326	3744.3484	20040
26676.987	1747.4842	10040	26688.984	3746.0241	18440	26699.484	3744.3376	158C8
26677.107	1747.4676	16140	26688.982	3745.9402	14840	26699.597	3744.3105	14440
26677.179	1747.4570	15340	26688.982	3745.9335	14540	26699.833	3744.2773	25740
26677.474	1747.4153	11440	26688.205	3745.9086	16740	26700.006	3744.2531	27540
26677.743	1747.3778	14940	26688.303	3745.8838	26040	26700.071	3744.2440	227C8
26677.811	1747.3683	21240	26688.532	3745.8429	23540	26700.171	3744.2300	23240
26678.059	1747.3334	15740	26688.459	3745.8450	19140	26700.376	3744.1984	26840
26678.419	1747.2828	22440	26689.037	3745.7920	16140	26700.611	3744.1683	26740
26678.552	1747.2585	13140	26689.265	3745.7650	174C8	26700.743	3744.1470	18240
26678.772	1747.2432	18040	26689.336	3745.7501	20640	26700.911	3744.1262	22340
26678.028	1747.1974	16040	26689.431	3745.7267	17440	26700.988	3744.1155	15060
26679.236	1747.1681	22240	26689.507	3745.7260	14840	26701.127	3744.0959	150C8
26679.430	1747.1409	30440	26689.673	3745.7027	21540	26701.170	3744.0699	14340
26679.839	1747.0834	30140	26690.036	3745.6519	19040	26701.481	3744.0463	17040
26679.909	1747.0736	233C8	26690.171	3745.6319	15040	26701.321	3744.0087	13240
26680.113	1747.0450	19140	26690.219	3745.6177	11180	26701.613	3744.0277	15640
26680.188	1747.0344	21240	26690.391	3745.6120	124C8	26702.214	3743.9541	17940
26680.284	1747.0206	19040	26690.585	3745.6747	22440	26702.578	3743.8924	20540
26680.356	1747.0107	191C8	26690.672	3745.5625	19040	26702.778	3743.8408	15280
26680.720	1747.0019	13640	26690.810	3745.5431	15280	26702.946	3743.8408	20540
26680.743	1746.9865	17040	26691.026	3745.5129	13400	26703.285	3743.8046	17540
26680.944	1746.9242	21440	26691.191	3745.4897	22140	26703.304	3743.7907	14540
26681.192	1746.8934	18840	26691.692	3745.4208	19240	26703.548	3743.7564	23640
26681.525	1746.8466	14540	26691.822	3745.4012	15640	26703.768	3743.7256	27340
26681.641	1746.8275	16840	26691.962	3745.3815	19440	26703.845	3743.7149	21780
26681.810	1746.8066	21340	26692.041	3745.3705	15480	26704.093	3743.6942	28140
26681.880	1746.7968	190C8	26692.233	3745.3435	22340	26704.125	3743.6756	231C8
26681.943	1746.7880	15040	26692.456	3745.3123	20440	26704.208	3743.6639	16780
26682.087	1746.7677	15240	26692.613	3745.2902	25340	26704.340	3743.6454	140C8
26682.519	1746.7476	15840	26692.917	3745.2591	18340	26704.468	3743.6275	18440
26682.688	1746.6816	15840	26693.194	3745.2213	18740	26704.810	3743.5795	14240
26682.791	1746.6689	22840	26693.194	3745.2087	15380	26704.937	3743.5617	15140
26682.959	1746.6453	16140	26693.288	3745.1954	15240	26705.161	3743.5303	13740
26683.050	1746.6311	15480	26693.535	3745.1608	20240	26705.269	3743.5152	18740
26683.225	1746.6079	24540	26693.605	3745.1510	17480	26705.747	3743.4462	18740
26683.365	1746.5983	19240	26694.127	3745.0777	20940	26706.066	3743.4034	25540
26683.447	1746.5767	21940	26694.395	3745.0402	15040	26706.230	3743.3805	17540
26683.522	1746.5662	15940	26694.549	3745.0185	21740	26706.374	3743.3503	17640
26683.602	1746.5550	15880	26694.623	3745.0061	16080	26706.555	3743.3349	13840
26683.810	1746.5358	23040	26694.796	3744.9737	21940	26706.743	3743.3116	19740
26683.687	1746.5149	19440	26694.877	3744.8884	19940	26706.911	3743.2883	13480
26684.198	1746.4713	13740	26694.855	3744.8241	28040	26707.173	3743.2519	16840
26684.410	1746.4410	25140	26694.926	3744.7861	15340	26707.361	3743.2219	16840
26684.487	1746.4307	262C8	26694.926	3744.7861	15340	26707.511	3743.1926	21240
26684.511	1746.4190	32140	26694.932	3744.6843	18740	26707.806	3743.1315	18440
26684.840	1746.3812	20240	26694.932	3744.5785	25940	26708.006	3743.1005	16140
26684.860	1746.3720	20240	26694.932	3744.5785	25940	26708.227	3743.0720	18940
26685.020	1746.3560	31640	26697.007	3744.6737	22840	26708.431	3743.0566	14980
26685.136	1746.3397	232C8	26697.426	3744.6147	19540	26708.527	3743.0566	14980
26685.342	1746.3107	19680	26697.549	3744.5977	16840	26708.637	3743.0432	17840
26685.440	1746.2969	23840	26697.735	3744.5777	15980	26708.748	3743.0276	16840
26685.594	1746.2752	24240	26697.941	3744.5427	27140	26708.958	3742.9841	20640
						26709.246	3742.9577	17240

SIGMA	I	PS CLASSIFICATION	ION	WL	I	PS CLASSIFICATION	ION	SIGMA	WL	I	PS CLASSIFICATION	ION
26709.449				3742.9293	21440			26735.159	3739.3298	21240		
26709.632				3742.9037	21568			26735.258	3739.3160	21340		
26709.744				3742.8879	23740			26735.379	3739.2990	25240		
26710.006				3742.8512	14040			26735.550	3739.2751	16440		
26710.085				3742.8402	10400			26735.674	3739.2578	16380		
26710.356				3742.8022	22940			26735.823	3739.2370	14980		
26710.514				3742.7798	15840			26735.939	3739.2207	14840		
26710.621				3742.7656	18840			26736.102	3739.1979	18240		
26710.919				3742.7235	31140			26736.235	3739.1793	19140		
26711.093				3742.6999	23640			26736.487	3739.1440	27940		
26711.573				3742.6317	12040			26736.776	3739.1036	28440		
26711.736				3742.6069	14760			26736.952	3739.0790	14080		
26712.095				3742.5586	15540			26737.539	3739.0970	20080		
26712.261				3742.5353	17340			26737.756	3739.0666	20240		
26712.360				3742.5196	21840			26737.827	3739.0567	20440		
26712.370				3742.4921	17440			26738.409	3739.0272	22040		
26712.797				3742.4602	17340			26738.751	3739.0274	24340		
26712.939				3742.4403	19840			26738.943	3739.0071	19840		
26713.194				3742.4046	19340			26739.008	3739.0071	17240		
26713.406				3742.3749	21940			26739.103	3739.0071	17240		
26713.591				3742.3490	36240			26739.194	3739.0071	13080		
26713.659				3742.3316	19640			26739.329	3739.0071	16640		
26714.041				3742.2890	15980			26739.820	3739.0071	23940		
26714.141				3742.2719	20040			26740.055	3739.0452	17740		
26714.223				3742.2604	16280			26740.240	3739.0192	23940		
26714.310				3742.2483	16140			26740.468	3739.0845	19040		
26714.411				3742.2341	16180			26741.092	3739.0002	18840		
26714.591				3742.2098	19740			26741.556	3739.0492	21840		
26714.716				3742.1913	14540			26741.523	3739.0400	22840		
26714.824				3742.1760	15440			26741.813	3739.0390	15940		
26714.954				3742.1580	15740			26742.147	3739.0327	17440		
26715.333				3742.1050	23040			26742.226	3739.0316	15780		
26715.425				3742.0921	22440			26742.359	3739.0231	17268		
26715.631				3742.0632	18040			26742.473	3739.0071	24040		
26715.699				3742.0537	17980			26742.659	3739.0253	24540		
26715.900				3742.0255	30940			26743.028	3739.0295	19540		
26716.035				3742.0068	17468			26743.212	3739.0237	21840		
26716.162				3741.9899	14440			26743.461	3739.1689	23240		
26716.335				3741.9645	12640			26743.642	3739.1436	17240		
26716.604				3741.9549	14340			26743.957	3739.0907	15280		
26716.743				3741.9046	13340			26744.195	3739.0705	25540		
26716.992				3741.8725	15580			26744.360	3739.0405	23640		
26717.496				3741.8300	17040			26744.553	3739.0164	20568		
26717.811				3741.7578	15740			26744.639	3739.0043	17640		
26718.020				3741.7206	15940			26744.832	3739.0174	19240		
26718.228				3741.6995	20440			26744.964	3739.0589	15168		
26718.571				3741.6584	27940			26745.062	3739.0452	20340		
26718.859				3741.6110	19380			26745.266	3739.0167	21040		
26719.139				3741.5719	32040			26745.430	3739.0938	17740		
26719.316				3741.5471	20268			26745.611	3739.0685	17440		
26719.399				3741.5354	18140			26745.847	3739.0355	21440		
26719.497				3741.5218	14668			26745.990	3739.0155	21440		
26719.587				3741.5092	13968			26746.193	3739.0885	27640		
26719.846				3741.4728	21140			26746.319	3739.0748	23940		
26720.030				3741.4471	18080			26746.473	3739.0481	26940		
26720.379				3741.3965	16340			26746.579	3739.0332	20868		
26720.447				3741.3887	16668			26746.670	3739.0204	17268		
26720.491				3741.3699	25740			26746.765	3739.0172	16340		
26720.669				3741.3576	23340			26746.838	3739.0971	15080		
								26746.938	3739.0830	15140		

SIGMA	ML	1 PS CLASSIFICATION ION	SIGMA	ML	1 PS CLASSIFICATION ION	SIGMA	ML	1 PS CLASSIFICATION ION
26747.284	3737.6347	15640	26749.841	3745.9087	16140	26775.166	3733.7425	26740
26747.431	3737.6742	16440	26750.857	3745.4785	20140	26775.273	3733.7287	21540
26747.786	3737.5685	22440	26760.017	3745.4582	15940	26775.510	3733.6985	17540
26748.002	3737.5363	25740	26760.144	3745.4385	19440	26775.619	3733.6793	21440
26748.282	3737.4993	17440	26760.419	3745.4001	17440	26775.780	3733.6588	25840
26748.416	3737.4765	15540	26760.712	3745.3591	17240	26776.074	3733.6131	19540
26748.590	3737.4521	22940	26761.037	3745.3138	16140	26776.338	3733.5790	32440
26748.696	3737.4374	24340	26761.387	3745.2649	23940	26776.638	3733.5372	20540
26748.839	3737.4173	21140	26761.798	3745.2156	21640	26776.927	3733.4946	25040
26748.923	3737.4026	21340	26762.140	3745.1684	18940	26777.277	3733.4480	23740
26749.081	3737.3881	30640	26762.424	3745.1228	17440	26777.581	3733.3981	17840
26749.222	3737.3734	21440	26762.684	3745.0786	17440	26777.951	3733.3540	17840
26749.353	3737.3589	21440	26762.952	3745.0348	16940	26778.227	3733.3156	22940
26749.567	3737.3018	25140	26763.051	3745.0327	14540	26778.422	3733.2804	15940
26749.740	3737.2915	27440	26763.171	3745.0150	17440	26778.537	3733.2724	16740
26749.999	3737.2593	29040	26763.536	3745.1649	23340	26778.708	3733.2485	16600
26750.162	3737.2325	16308	26763.671	3745.1461	16000	26778.788	3733.2374	18940
26750.361	3737.2047	16802	26763.885	3745.112	21440	26778.938	3733.2166	20440
26750.871	3737.1337	22046	26764.052	3745.092	15280	26779.077	3733.1952	23140
26751.259	3737.0866	29440	26764.283	3745.0608	15280	26779.272	3733.1822	27940
26751.423	3737.0584	27740	26764.498	3745.0321	27340	26779.504	3733.1378	47000
26751.566	3737.0391	18600	26764.689	3745.1649	14540	26779.568	3733.1314	15800
26751.685	3737.0198	18400	26765.466	3745.0987	14740	26779.800	3733.0964	19100
26751.756	3737.0098	17100	26765.667	3745.076	16340	26779.995	3733.0692	32640
26751.891	3736.9910	17940	26766.097	3745.076	16340	26780.252	3733.0333	16940
26751.936	3736.9848	15640	26766.194	3745.0940	14440	26781.124	3732.9118	22540
26752.294	3736.9346	15240	26766.377	3745.0685	18180	26781.247	3732.8947	20540
26752.386	3736.9218	15440	26766.600	3745.0732	19080	26781.356	3732.8794	20740
26752.691	3736.8792	16140	26767.130	3745.0634	20540	26781.555	3732.8517	15340
26752.807	3736.8212	16940	26767.341	3745.031	15780	26781.748	3732.8178	20840
26753.186	3736.8119	17240	26767.568	3745.0225	19380	26781.916	3732.8014	19940
26753.350	3736.7872	17540	26767.684	3745.0849	17240	26782.074	3732.7785	16340
26753.419	3736.7775	15608	26767.802	3745.0740	24340	26782.298	3732.7481	22040
26754.404	3736.6394	16340	26767.937	3745.0588	15688	26782.465	3732.7248	19440
26754.549	3736.6198	20108	26768.080	3745.0308	15940	26782.635	3732.7012	17140
26754.624	3736.6092	23040	26768.306	3745.0994	17540	26782.848	3732.6715	14500
26754.680	3736.6014	22240	26768.495	3745.0730	24940	26783.109	3732.6351	25540
26754.754	3736.5910	22540	26768.678	3745.0195	26240	26783.246	3732.6160	34340
26754.890	3736.5721	16500	26769.141	3745.0828	14440	26783.468	3732.5851	25100
26755.085	3736.5448	21040	26769.268	3745.0681	17440	26783.663	3732.5718	23400
26755.219	3736.5274	15900	26769.542	3745.0526	14740	26783.750	3732.5447	18640
26755.657	3736.4649	22140	26769.816	3745.0750	18240	26783.861	3732.5330	18340
26756.133	3736.3956	18440	26770.084	3745.0302	18440	26783.925	3732.5213	18440
26756.410	3736.3598	18440	26770.528	3745.0696	14100	26783.988	3732.5127	15100
26756.472	3736.3512	18440	26770.698	3745.0649	21340	26784.280	3732.4719	18740
26756.767	3736.3099	21840	26770.825	3745.0479	18240	26784.702	3732.4311	17200
26757.103	3736.2688	22940	26771.054	3745.0150	15140	26784.783	3732.4018	22840
26757.333	3736.2310	21440	26771.254	3745.0800	19240	26785.256	3732.3345	16240
26757.758	3736.1716	19640	26771.798	3745.0122	21940	26785.356	3732.3220	18140
26758.052	3736.1306	18440	26772.285	3745.0443	17008	26785.652	3732.2808	24940
26758.246	3736.1068	14500	26772.562	3745.0334	21140	26785.853	3732.2543	36140
26758.564	3736.0870	13682	26772.884	3745.0067	19440	26786.004	3732.2319	24100
26758.846	3736.0614	14140	26773.268	3745.0588	21840	26786.097	3732.2187	21200
26758.973	3736.0424	21400	26773.277	3745.0059	21340	26786.223	3732.2012	23540
26758.778	3736.0303	26708	26773.419	3745.0861	15740	26786.294	3732.1912	21980
26758.883	3736.0144	33140	26773.843	3745.0269	17840	26786.381	3732.1820	20200
26759.036	3735.9931	21008	26774.235	3745.0732	23540	26786.569	3732.1558	16340
26759.149	3735.9774	17940	26774.329	3745.0592	21500	26786.616	3732.1444	17940
26759.279	3735.9603	20740	26774.513	3745.0336	32840	26786.756	3732.1248	21940
26759.582	3735.9280	16440	26774.909	3745.0773	27940	26786.932	3732.1024	23240

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7386 7 11

2

27698 4 914 22

38804 7 3880 7 11



SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PE CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
26787.049	1732.0941	26840	1	26797.943	3730.5649	18440		26811.056	3729.7442	31040	1
26787.233	1732.0610	17940		26798.029	3730.5549	20240		26811.252	3728.7193	16500	
26787.368	1732.0416	20540		26798.178	3730.5361	22740		26811.399	3728.6465	20740	
26787.611	1732.0076	20640		26798.228	3730.5291	21800		26811.458	3728.6882	19940	
26787.793	1731.9824	13050		26798.358	3730.5096	15940		26811.737	3728.6495	18840	
26788.034	1731.9488	17640		26798.556	3730.4838	17240		26811.947	3728.6203	20940	
26788.135	1731.9348	17940		26798.695	3730.4401	17080		26812.083	3728.6014	14180	
26788.316	1731.9096	16640		26798.822	3730.4144	17680		26812.323	3728.5680	17540	
26788.514	1731.8817	17680		26798.829	3730.1342	19200		26812.526	3728.5398	23240	32574 5 8762 5 1
26788.453	1731.8348	14980		26799.790	3730.1117	17200		26812.526	3728.5164	16540	
26789.056	1731.8064	17600		26799.981	3730.5990	22040		26813.032	3728.4694	20440	
26789.105	1731.7912	21740		26800.053	3730.5751	15740		26813.330	3728.4279	18840	
26789.355	1731.7549	19440		26800.294	3730.5410	19540		26813.523	3728.4012	19440	
26789.548	1731.7315	18180	34434 9 1645 6 11	26800.415	3730.5248	18140		26814.488	3728.2875	26440	33918 3 7103 3 1
26789.621	1731.7277	17480		26800.492	3730.1704	27440		26814.655	3728.2837	14840	
26789.699	1731.7169	17780		26800.843	3730.1642	19280		26815.204	3728.1674	18140	
26789.785	1731.7049	16940		26800.914	3730.1553	22540		26815.412	3728.1385	27140	
26790.037	1731.6699	20640	32316 6 5526 6 2	26801.131	3730.1251	22140		26815.785	3728.0966	16920	
26790.110	1731.6596	23580		26801.273	3730.1053	17440		26815.870	3728.0748	16840	
26790.177	1731.6503	20740		26801.506	3730.0728	18940		26816.093	3728.0438	15640	
26790.539	1731.5999	16480		26801.849	3730.0251	15140		26816.143	3728.0368	15580	
26790.587	1731.5731	19500		26802.108	3730.0891	17080		26816.232	3728.0259	15640	
26790.710	1731.5749	19440		26802.520	3730.0318	14940		26816.237	3728.0155	15980	
26790.748	1731.5649	19480		26802.870	3730.0830	17640		26816.659	3727.9651	10140	
26790.945	1731.5377	22540		26803.099	3730.0528	17000		26816.784	3727.9476	17440	
26791.074	1731.5247	21640		26803.135	3730.0461	17780		26816.961	3727.9231	25640	
26791.111	1731.5063	20440		26803.332	3730.0188	31740		26817.199	3727.8901	24540	
26791.317	1731.4921	27900		26803.588	3730.0731	15440		26817.495	3727.8489	27540	
26791.482	1731.4646	31740		26803.773	3730.0275	15280		26817.703	3727.8116	23240	33921 4 7103 3 1
26791.655	1731.4444	36440	26791 4 0 6 11	26803.948	3730.0275	13080		26817.972	3727.7825	17340	
26791.911	1731.4393	27140		26804.238	3730.0927	24740		26818.045	3727.7725	14840	
26791.946	1731.4393	22380		26804.360	3730.0730	19540		26818.233	3727.7449	18480	
26792.053	1731.4334	21040		26804.610	3730.0409	13440		26818.483	3727.7198	30040	
26792.143	1731.4209	16480		26804.819	3730.0118	27040		26818.683	3727.6845	16200	
26792.318	1731.4018	19940		26805.013	3730.0540	24940		26818.738	3727.6762	15480	
26792.337	1731.3815	19240		26805.232	3730.0574	18440		26819.350	3727.5910	15740	
26792.484	1731.3647	16780		26805.570	3730.0774	17640		26819.446	3727.5777	16200	
26792.724	1731.3495	23640		26805.797	3730.0758	20140		26819.523	3727.5670	18540	
26792.870	1731.3253	27840		26805.903	3730.0613	20340		26819.676	3727.5458	15780	
26793.107	1731.2423	17240		26806.175	3730.0232	16040		26819.746	3727.5361	16080	
26793.302	1731.2025	21280	31499 3 4704 2 2	26806.353	3730.0944	17040		26819.804	3727.5279	16180	
26793.447	1731.1695	26940		26806.700	3730.0502	19540		26820.049	3727.4939	23840	
26793.637	1731.1695	23040		26806.836	3730.0265	19000		26820.124	3727.4835	23480	
26793.808	1731.1445	19040		26807.037	3730.0032	26940		26820.333	3727.4544	34940	27440 4 620 5 11
26793.908	1731.1265	19040		26807.449	3730.0456	17240		26820.593	3727.4161	20840	
26794.204	1731.0894	20040		26807.527	3730.0351	15540		26820.787	3727.3914	22640	
26794.401	1731.0620	20740		26807.619	3730.0223	17140		26820.933	3727.3683	17440	
26794.524	1731.0445	18440		26808.101	3730.0543	24240		26821.092	3727.3489	20440	
26794.556	1730.9953	20440		26808.210	3730.0401	19580		26821.303	3727.3198	19640	
26794.965	1730.9463	16940		26808.570	3730.0872	18900		26821.475	3727.2958	27940	
26795.001	1730.9284	19540		26808.666	3730.0746	25840		26821.831	3727.2421	22040	
26795.104	1730.9041	17440		26809.105	3730.0156	20440		26822.218	3727.1925	17240	
26795.374	1730.8266	27440		26809.412	3730.0729	19940		26822.468	3727.1663	27540	
26795.625	1730.8916	18940		26809.504	3730.0601	17240		26822.993	3727.0848	32340	27440 5 620 5 11
26795.903	1730.8529	17040		26809.944	3730.0941	23340		26823.430	3727.0241	16840	
26796.164	1730.8249	23140		26810.259	3730.0531	22440		26823.524	3727.0110	20440	
26796.394	1730.7842	18480		26810.549	3730.0423	23740		26823.800	3726.9652	19740	
26796.484	1730.7720	22140		26810.645	3730.0292	21940	27725 5 914 4 2	26824.402	3726.8890	16180	
26796.789	1730.7349	19240		26810.519	3730.0189	31000		26824.500	3726.8643	28740	
26796.968	1730.7261	21640		26810.984	3730.0781	18540		26824.634	3726.8261	16940	

SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
26824.968	3726.4104	10340		26834.819	3726.8849	10340		26851.446	3721.1353	17540	
26825.095	3726.4928	18140		26834.927	3726.8120	14140		26851.502	3721.1150	16140	
26825.198	3726.4795	17440		26835.048	3726.8455	19440		26851.795	3721.0869	16340	
26825.336	3726.7599	10140		26835.338	3726.8152	21240		26851.948	3723.0857	23840	
26825.643	3726.7118	19840		26835.615	3726.8745	21940		26852.070	3721.0988	26340	
26825.822	3726.6518	21540		26835.898	3726.7664	17840		26852.203	3723.0404	25740	
26826.288	3726.6272	16940		26836.014	3726.7211	14740		26852.416	3721.0008	26340	
26826.403	3726.6111	17540		26836.474	3726.4572	26640		26852.546	3722.9828	16440	
26826.524	3726.5962	19440		26836.548	3726.4415	19740		26852.623	3722.9167	17440	
26826.655	3726.5482	19840		26836.790	3726.4175	30740		26852.707	3722.8912	10440	32615 6 5762 5 11
26827.218	3726.6977	20040		26836.970	3726.4175	30740	38636 5 7598 5 2	26852.750	3722.8678	21840	
26827.514	3726.6567	18740		26837.377	3726.5320	26640		26852.750	3722.8678	21840	
26827.548	3726.6482	19540		26837.401	3726.5098	28340		26853.169	3722.8132	22140	
26828.206	3726.4906	24540		26837.613	3726.4741	17440		26853.454	3722.7609	27840	
26828.456	3726.4361	19440		26837.669	3726.4669	31740	32806 5 5762 5 11	26853.454	3722.7609	27840	
26828.670	3726.2733	22940		26837.956	3726.4101	17640		26854.049	3722.6932	26940	
26829.602	3726.2647	17240		26838.274	3726.4277	24340		26854.154	3722.6788	24740	
26829.607	3726.1646	17740		26838.744	3726.4277	24340		26854.316	3722.6730	31840	27143 6 208 5 22
26829.743	3726.1970	18940		26839.948	3726.2965	21240		26854.763	3722.6154	31640	
26829.904	3726.1246	19840		26840.048	3726.2965	21240		26855.521	3722.5703	19440	
26830.074	3726.1144	15140		26840.174	3726.2827	19040		26855.653	3722.5521	19540	
26830.171	3726.0877	16440		26840.374	3726.2549	20840		26855.760	3722.5372	18240	
26830.352	3726.0625	19740		26840.541	3726.2290	30240		26855.933	3722.5174	23040	
26830.529	3726.0180	32240		26840.912	3726.1941	19540		26855.985	3722.5060	18440	
26830.891	3726.0155	19074		26841.003	3726.1815	19140		26856.373	3722.4822	14740	
26830.750	3726.0072	19240		26841.085	3726.1562	28840		26856.466	3722.4394	14740	
26830.674	3726.0047	17740	31286 5 4653 4 1	26841.270	3726.1291	22540		26856.472	3722.4122	23240	
26830.957	3726.0765	14480		26841.647	3726.0783	19440		26856.788	3722.3747	21540	
26831.133	3726.0460	15340		26841.974	3726.0330	17140		26857.012	3722.3836	15540	
26831.247	3726.0263	20540		26842.144	3726.0066	15840		26857.214	3722.3537	26140	
26831.574	3726.0900	12340		26842.248	3726.0066	15840		26857.512	3722.2943	20840	
26831.811	3726.0571	15440		26842.359	3726.0095	17240		26857.616	3722.2822	16040	
26831.984	3726.0365	17240		26842.451	3726.0044	18240		26858.108	3722.2118	16740	
26832.274	3726.0745	15440		26842.583	3726.0512	16440		26858.180	3722.2018	17640	
26832.448	3726.0499	21440		26842.687	3726.0361	14140		26858.331	3722.1509	25740	
26832.618	3726.0478	27040		26842.676	3726.0401	14840		26858.506	3722.1567	16940	
26832.997	3726.0252	15840		26842.844	3726.0429	19440		26858.650	3722.1466	17140	
26833.142	3726.0751	21540		26843.344	3726.0429	19440		26858.977	3722.0913	16140	
26833.318	3726.0674	26940		26843.510	3726.0170	14840		26859.199	3722.0606	21640	
26833.718	3726.0924	26040		26843.746	3726.0333	22340		26859.396	3722.0333	22340	
26834.015	3726.0539	19040		26843.827	3726.0108	15840	33130 7 4283 6 2	26859.563	3722.0102	20740	
26834.057	3726.0481	17940		26844.682	3726.0460	16740		26859.906	3721.9826	16740	
26834.174	3726.0316	20240		26844.701	3726.0367	27040		26860.147	3721.9192	15440	
26834.477	3726.0697	20440		26844.809	3726.0646	22240		26860.366	3721.9119	16840	
26834.145	3726.0649	22840		26844.989	3726.0134	18740		26860.548	3721.8737	16640	
26834.145	3726.0649	22840		26845.145	3726.0331	16440		26860.679	3721.8255	18640	
26835.374	3726.3054	18840		26845.318	3726.0490	16140		26860.866	3721.8226	27440	
26835.588	3726.2866	21440		26845.573	3726.0337	16740		26861.129	3721.7731	18440	
26835.834	3726.3008	27740		26845.695	3726.0168	14740		26861.492	3721.7428	20690	
26836.104	3726.2636	15640		26845.917	3726.0480	23440		26861.683	3721.7164	33740	
26836.162	3726.2530	16440		26846.002	3726.0742	19040		26861.947	3721.6798	20640	
26836.480	3726.2117	14940		26846.170	3726.0510	23240		26862.373	3721.6207	21440	
26836.949	3726.1665	21140		26846.457	3726.0153	19240		26862.456	3721.6095	19540	
26837.045	3726.1332	23140		26846.546	3726.0366	19840		26862.619	3721.5756	13840	
26837.227	3726.1080	16240		26846.752	3726.0366	19840		26862.875	3721.5312	16640	
26837.456	3726.0706	16640		26846.859	3726.0290	22940	33899 7 4249 6 1	26863.150	3721.5131	20840	
26837.716	3726.0424	19340		26846.917	3726.0270	22440		26863.332	3721.4880	13080	
26837.745	3726.0811	20840		26847.044	3726.0210	16140		26863.503	3721.4643	15440	
26838.161	3726.0831	32540	29587 5 1749 6 22	26847.279	3726.2347	17340		26863.653	3721.4435	15140	
26838.422	3726.0621	17240		26847.361	3726.2137	26640		26863.829	3721.4191	15440	
26838.646	3726.0110	18740		26847.511	3726.1644	17540					

SIGMA	ML	1 04 CLASSIFICATION ION	SIGMA	ML	1 P5 CLASSIFICATION ION	SIGMA	ML	1 P5 CLASSIFICATION ION
26884.030	1721.3912	15840	26877.444	3719.5338	19540	26889.593	3717.8536	18340
26884.214	1721.3877	24080	26877.933	3719.4882	16540	26889.691	3717.8110	26540
26885.675	1721.3296	21260	26878.023	3719.4537	14900	26890.101	3717.7811	15240
26885.038	1721.2516	17440	26878.150	3719.4382	13428	26890.232	3717.7512	19700
26885.415	1721.1494	15840	26878.286	3719.4202	18440	26890.526	3717.7243	22440
26885.673	1721.1637	14480	26878.393	3719.4026	15840	26890.691	3717.7015	20028
26885.784	1721.1483	17040	26878.497	3719.3882	15980	26890.803	3717.6860	16940
26885.947	1721.1257	22440	26878.664	3719.3651	23040	26890.949	3717.6737	17400
26886.074	1721.1080	16540	26878.901	3719.3424	27760	26891.084	3717.6659	19140
26886.361	1721.0683	20440	26879.212	3719.3092	35440	26891.223	3717.6472	17140
26886.730	1721.0172	15840	26879.478	3719.2594	20740	26891.223	3717.6280	14800
26887.243	1720.9482	26540	26879.550	3719.2424	20100	26891.290	3717.6188	14700
26887.444	1720.9150	18440	26879.657	3719.2278	17480	26891.455	3717.5959	16500
26887.574	1720.9092	13740	26879.883	3719.1964	24140	26891.643	3717.5688	24640
26887.984	1720.8435	13700	26880.077	3719.1695	14440	26891.796	3717.5487	18040
26888.140	1720.8219	17440	26880.221	3719.1497	14440	26892.031	3717.5162	15700
26888.637	1720.7256	20140	26880.484	3719.1133	19540	26892.142	3717.5009	17340
26888.980	1720.7056	23240	26880.691	3719.0548	16440	26892.300	3717.4929	18224
26889.154	1720.6814	17440	26880.978	3719.0448	17940	26892.543	3717.4751	20728
26889.523	1720.6443	15140	26881.209	3719.0139	19540	26892.856	3717.4575	27340
26889.594	1720.6206	14300	26881.303	3718.9989	22840	26892.588	3717.4392	22640
26889.450	1720.6189	14440	26882.102	3718.9021	24940	26892.749	3717.4170	29840
26890.014	1720.5618	18340	26882.419	3718.8455	21540	26892.872	3717.4000	21028
26890.344	1720.5161	25640	26882.534	3718.8296	23940	26892.926	3717.3926	19500
26890.597	1720.4817	21040	26882.622	3718.8174	14240	26893.017	3717.3800	16428
26890.682	1720.4700	18440	26882.846	3718.7884	14440	26893.101	3717.3683	14940
26891.038	1720.4207	22340	26882.963	3718.7782	22140	26893.261	3717.3443	15940
26891.383	1720.3739	26440	26883.111	3718.7594	20440	26893.333	3717.3362	17340
26891.618	1720.3483	23540	26883.292	3718.7103	21440	26893.396	3717.3275	15400
26891.803	1720.3285	17208	26883.641	3718.6785	20440	26893.568	3717.3162	13500
26891.924	1720.3074	20940	26883.861	3718.6395	14792	26893.728	3717.2816	13600
26892.074	1720.2770	18040	26884.074	3718.6149	30140	26893.886	3717.2598	17540
26892.208	1720.2514	20440	26884.464	3718.5627	22940	26894.452	3717.1817	18540
26892.578	1720.2213	29040	26884.743	3718.5240	20940	26894.838	3717.1283	19240
26892.734	1720.1895	15440	26885.113	3718.4729	20840	26895.016	3717.1037	19540
26892.912	1720.1612	15140	26885.253	3718.4535	16540	26895.107	3717.0911	18040
26893.194	1720.1231	15440	26885.390	3718.4346	23740	26895.304	3717.0628	22040
26893.605	1720.0653	19280	26885.451	3718.4242	24240	26895.393	3717.0515	16740
26893.940	1720.0199	15940	26885.538	3718.4100	24740	26895.452	3717.0293	19440
26894.090	1719.9909	18140	26885.637	3718.4004	25540	26895.712	3717.0075	21640
26894.202	1719.9826	22440	26885.835	3718.3790	14528	26895.794	3717.0041	17800
26894.285	1719.9715	17800	26885.934	3718.3633	15440	26896.172	3716.9466	14840
26894.524	1719.9374	25140	26886.074	3718.3375	17340	26896.445	3716.8785	15640
26894.671	1719.9197	19280	26886.149	3718.3248	14960	26897.047	3716.8229	20040
26894.811	1719.8982	18360	26886.343	3718.3027	30940	26897.201	3716.8017	17740
26895.004	1719.8716	17428	26886.560	3718.2727	22740	26897.358	3716.7800	26540
26895.153	1719.8510	19640	26886.732	3718.2480	22840	26897.574	3716.7499	21740
26895.436	1719.8119	18340	26886.794	3718.2404	23140	26897.785	3716.7210	20040
26895.542	1719.7972	15840	26886.870	3718.2280	19428	26898.076	3716.7086	18240
26895.618	1719.7866	16440	26886.943	3718.2198	16300	26898.076	3716.6808	14740
26895.698	1719.7753	14128	26887.510	3718.1414	21240	26898.202	3716.6633	14940
26895.931	1719.7433	24940	26887.705	3718.1061	31740	26898.451	3716.6290	15140
26896.047	1719.7233	18040	26888.091	3718.0725	24440	26898.511	3716.6202	14300
26896.371	1719.6982	24540	26888.075	3718.0632	24280	26898.653	3716.6011	18940
26896.470	1719.6826	27540	26888.264	3718.0371	14340	26898.717	3716.5922	17228
26896.565	1719.6586	23140	26888.264	3718.0371	14340	26898.837	3716.5756	22840
26896.788	1719.6247	24340	26888.735	3717.9719	22600	26898.922	3716.5362	20140
26896.975	1719.5988	15640	26888.896	3717.9447	17088	26899.128	3716.5362	20140
26897.050	1719.5894	17340	26889.240	3717.8994	14540	26899.247	3716.5190	15128

I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION	
SIGMA	WL	SIGMA	WL	SIGMA	WL
26899.393	3716.4989 15340	26908.622	3715.2241 166A0	26910.958	3713.7975 251A0
26899.572	3716.4741 20A40	26908.841	3715.1939 230A0	26919.063	3713.7830 226C8
26899.684	3716.4586 215A0	26908.925	3715.1823 214C8	26919.169	3713.7684 30.1A0
26899.855	3716.4350 275A0	26909.034	3715.1673 293A0	26919.359	3713.7422 20.1A0
26900.052	3716.4077 184C4	26909.167	3715.1488 19480	26919.521	3713.7199 213A0
26900.164	3716.3922 168A0	26909.303	3715.1301 17A00	26919.638	3713.7038 188A0
26900.502	3716.3456 158A0	26909.484	3715.1162 209A0	26919.806	3713.6806 259A0
26900.621	3716.3015 177A0	26909.447	3715.1046 179A0	26919.927	3713.6638 213C8
26901.120	3716.2562 192A0	26909.617	3715.0868 150A0	26920.040	3713.6483 288A0
26901.312	3716.2337 172A0	26909.041	3715.0282 156A0	26920.170	3713.6304 257A0
26901.424	3716.2182 210A0	26910.170	3715.0104 17180	26920.277	3713.6155 20380
26901.584	3716.1956 207C8	26910.357	3714.9846 177A0	26920.445	3713.5924 213C8
26901.702	3716.1799 294A0	26910.612	3714.9494 282A0	26920.488	3713.5868 25980
26901.785	3716.1684 24780	26910.694	3714.9380 260A0	26920.611	3713.5695 266C8
26901.834	3716.1615 241C8	26910.954	3714.9022 194A0	26920.719	3713.5546 338A0
26901.912	3716.1502 273C8	26910.042	3714.8901 215A0	26920.988	3713.5175 193A0
26902.025	3716.1352 341A0	26911.268	3714.8598 256A0	26921.078	3713.5051 15890
26902.134	3716.1201 279C8	26911.398	3714.8409 207A0	26921.171	3713.4923 186C8
26902.295	3716.0779 212A0	26911.779	3714.7683 19580	26921.282	3713.4770 253A0
26902.377	3716.0766 185C2	26911.882	3714.7741 249A0	26921.445	3713.4545 15680
26902.470	3716.0737 170A0	26912.008	3714.7546 306A0	26921.565	3713.4380 183A0
26902.649	3716.0490 176A0	26912.179	3714.7330 244A0	26921.839	3713.4001 160C8
26902.869	3716.0187 229A0	26912.244	3714.7241 22180	26921.940	3713.3862 216A0
26903.047	3716.0041 251A0	26912.594	3714.6758 152A0	26922.240	3713.3447 18A0
26903.186	3716.0009 178A0	26912.594	3714.6758 152A0	26922.725	3713.2890 156C8
26903.497	3715.9918 163A0	26912.971	3714.6237 246A0	26922.786	3713.2695 198A0
26903.627	3715.9840 158A0	26913.212	3714.5905 17A00	26923.002	3713.2368 165A0
26903.859	3715.9819 174A0	26913.335	3714.5735 173C8	26923.123	3713.2230 178A0
26904.068	3715.8529 163A0	26913.444	3714.5585 256A0	26923.224	3713.2091 181A0
26904.209	3715.8335 212A0	26913.892	3714.4967 179A0	26923.400	3713.1848 166C8
26904.286	3715.8229 228A0	26913.968	3714.4861 158A0	26923.507	3713.1701 224A0
26904.458	3715.7991 172A0	26914.152	3714.4607 17A00	26924.487	3713.0349 21380
26904.543	3715.7874 145C8	26914.277	3714.4435 160A0	26924.619	3713.0167 256A0
26904.594	3715.7797 167A0	26914.455	3714.4188 18A00	26924.703	3713.0051 229A0
26904.825	3715.7484 177A0	26914.657	3714.3911 236A0	26924.870	3712.9809 15780
26904.949	3715.7312 181A0	26914.757	3714.3772 163C8	26925.019	3712.9616 160A0
26905.285	3715.6849 154C8	26915.039	3714.3393 222A0	26925.115	3712.9483 165A0
26905.408	3715.6879 282A0	26915.239	3714.3107 217A0	26925.186	3712.9385 152A0
26905.924	3715.6381 220C8	26915.307	3714.3013 207A0	26925.315	3712.9208 168A0
26905.710	3715.6262 260A0	26915.434	3714.2838 190A0	26925.374	3712.9125 154A0
26905.897	3715.6004 157C8	26915.530	3714.2699 188A0	26925.643	3712.8754 194A0
26905.583	3715.5885 152A0	26915.791	3714.2345 158A0	26925.756	3712.8598 15080
26906.124	3715.5688 151A0	26916.018	3714.2032 188A0	26925.866	3712.8447 175A0
26906.258	3715.5505 197C8	26916.116	3714.1896 232A0	26925.936	3712.8351 189A0
26906.323	3715.5416 214A0	26916.270	3714.1684 141C8	26926.082	3712.8150 182A0
26906.517	3715.5148 250A0	26916.397	3714.1509 189A0	26926.149	3712.8057 184A0
26906.624	3715.5000 220A0	26916.493	3714.1376 223A0	26926.401	3712.7769 235A0
26906.699	3715.4897 206C8	26916.604	3714.1223 168A0	26926.681	3712.7320 184A0
26906.777	3715.4788 237C8	26916.943	3714.0755 19A0	26926.985	3712.6905 156C8
26907.686	3715.4339 328A0	26917.076	3714.0572 147A0	26927.052	3712.6812 161A0
26907.079	3715.4372 226A0	26917.213	3714.0393 160A0	26927.651	3712.5866 235A0
26907.316	3715.4261 208A0	26917.328	3714.0224 13880	26927.783	3712.5804 253C8
26907.416	3715.4044 184A0	26917.461	3714.0041 187A0	26928.888	3712.5659 330A0
26907.481	3715.3907 178A0	26917.820	3713.9545 142A0	26928.159	3712.5285 175A0
26907.720	3715.3916 187A0	26917.940	3713.9379 204A0	26928.255	3712.5154 18180
26907.720	3715.3475 227A0	26918.059	3713.9216 215A0	26928.351	3712.5021 18680
26907.920	3715.3211 244A0	26918.312	3713.8666 181A0	26928.495	3712.4823 282A0
26908.105	3715.2955 217A0	26918.580	3713.8497 152A0	26928.645	3712.4616 165C8
26908.281	3715.2711 158A0	26918.755	3713.8254 196A0	26929.064	3712.4328 187A0
26908.444	3715.2487 160A0	26918.832	3713.8149 194A0	26929.163	3712.3502 205A0

32179 7 5859 7 2

26920 5 0 6 11

27548 4 620 9 11

7005 6 1

33916 6

2294 5 22

1

32891 5

620 5 1

27521 6

33150 5

3800 7 11

30702 8

8133 4 1

4275 6 11

31182 5

32891 5

620 5 1

27521 6

33150 5

3800 7 11

30702 8

8133 4 1

4275 6 11

31182 5

32891 5

620 5 1

27521 6

33150 5

3800 7 11

30702 8

8133 4 1

4275 6 11

31182 5

SIGMA	WL	I PS	CLASSIFICATION ION	SIGMA	WL	J PS	CLASSIFICATION ION	SIGMA	WL	I PS	CLASSIFICATION ION
26928.465	1712.3485	1A3CA		26941.152	3710.7380	162A0		26951.537	3709.0130	2A5CB	
26928.506	1712.3426	1A3CA		26941.278	3710.7207	154A0		26951.448	3709.0316	27A0	
26929.607	1712.3294	2A0A0	35048 8 8118 7	26941.397	3710.7043	173A0		26951.786	3709.9997	17A0C	
26929.764	1712.3071	291A0		26941.507	3710.6782	27A0A		26953.975	3709.9727	141A0	
26929.871	1712.2925	2A6A0		26941.677	3710.6654	20A00		26954.391	3709.9154	165A0	
26930.013	1712.2729	272CA		26941.867	3710.6396	16A00		26954.451	3709.9072	155CB	
26930.095	1712.2616	272A0		26941.914	3710.6331	172A0		26954.567	3709.8912	146B0	
26930.160	1712.2527	2A1A0		26942.417	3710.5639	170CB		26954.696	3709.8735	185A0	
26930.306	1712.2326	194A0		26942.526	3710.5484	252A0	34046 3 7103 3	26955.069	3709.8623	28A00	
26930.601	1712.1643	165A0		26942.728	3710.6210	272A0		26955.267	3709.7946	154A0	
26931.001	1712.1368	212A0		26943.592	3710.6020	157A0		26955.402	3709.7764	189A0	
26931.124	1712.1198	174A0		26943.806	3710.5723	172A0		26955.502	3709.7625	157A0	
26931.200	1712.1093	160A0		26944.089	3710.5362	278A0		26955.797	3709.7420	202A0	
26931.490	1712.0681	157A0		26944.209	3710.5100	24A0C		26955.522	3709.7047	162A0	
26931.632	1712.0498	184A0		26944.311	3710.5020	30A00		26955.072	3709.6941	172A0	
26932.051	1711.9921	186A0		26944.576	3710.2645	17A0C		26956.193	3709.6875	201A0	
26932.157	1711.9775	239A0	37489 4 10557 4	26944.696	3710.2500	17A00		26956.355	3709.6852	17A00	
26932.252	1711.9629	191A0		26944.924	3710.2186	174A0		26956.472	3709.6890	213A0	
26932.524	1711.9268	161A0		26945.225	3710.1771	211A0		26956.549	3709.6145	209A0	
26932.665	1711.9074	172A0		26945.415	3710.1549	252A0		26956.604	3709.5934	320A0	31232 5 4279 6 11
26932.900	1711.8658	184CA		26945.598	3710.1244	172A0		26956.566	3709.5812	18A0C	
26933.046	1711.8549	238A0		26945.850	3710.0910	174A0		26957.071	3709.5266	167A0	
26933.121	1711.8438	248A0		26946.057	3710.0570	141A0		26957.234	3709.5242	192A0	
26933.200	1711.8337	225A0		26946.140	3710.0511	170A0		26957.318	3709.5127	167CB	
26933.409	1711.8049	1A5CA		26946.313	3710.0274	174A0		26957.429	3709.4974	191A0	
26933.513	1711.7905	200A0		26946.448	3710.0032	1A4A0		26957.526	3709.4941	151CB	
26933.674	1711.7650	265A0		26946.579	3709.9907	160A0		26957.788	3709.4480	201A0	
26933.787	1711.7527	256A0		26946.940	3709.9401	22A00		26958.313	3709.3750	156A0	
26934.054	1711.7140	150A0		26947.120	3709.9142	25A00		26958.694	3709.3232	14A0C	
26934.471	1711.6585	155A0		26947.343	3709.8846	2A0A0	37286 9 10347 6	26958.782	3709.3113	166A0	
26934.543	1711.6459	1A7CA		26947.977	3709.8644	39A0		26958.850	3709.3019	164A0	
26934.712	1711.6254	26A0	32936 6 5991 4	26948.967	3709.8089	172A0		26959.122	3709.2845	156A0	
26935.004	1711.5948	184A0		26949.123	3709.7742	184A0		26959.383	3709.2342	17A00	
26935.274	1711.5879	151A0		26949.335	3709.7489	1A4A0		26959.633	3709.1942	153A0	
26935.429	1711.5265	1A7A0	32462 7 5526 6	26949.429	3709.7359	205A0		26959.785	3709.1734	155A0	
26935.515	1711.5147	1A9A0		26949.558	3709.7183	155A0		26960.180	3709.1190	154A0	
26935.547	1711.5048	179B0		26949.794	3709.6704	259B0		26960.441	3709.0831	148A0	
26935.774	1711.4798	1A4A0		26949.593	3709.5748	2A9A0		26960.542	3709.0692	165A0	
26936.091	1711.4326	215A0		26949.869	3709.5378	17A00		26960.600	3709.0513	167A0	
26936.290	1711.4079	205A0		26949.949	3709.5240	185CA		26960.748	3709.0409	187A0	
26936.871	1711.4278	1A4A0		26950.134	3709.4944	226A0		26960.952	3709.0129	144A0	
26936.943	1711.3151	172A0		26950.402	3709.4645	205B0		26961.066	3707.9971	174A0	
26937.132	1711.2919	168A0		26950.516	3709.4449	237CB		26961.171	3709.9827	21A00	
26937.211	1711.2809	166A0		26950.626	3709.4335	319A0		26961.296	3707.9855	256CB	
26937.399	1711.2551	184A0		26950.833	3709.4050	259A0		26961.407	3707.9503	337A0	30829 3 3868 3 11
26937.659	1711.2192	173A0		26951.093	3709.3693	15A00		26961.666	3707.9146	162A0	
26938.159	1711.1503	22A0C		26951.256	3709.3668	174A0		26961.778	3707.8992	177A0	
26938.255	1711.1372	279A0		26951.366	3709.3321	1A0B0		26961.866	3707.8871	173CA	
26938.632	1711.0851	215A0		26951.470	3709.3174	220A0		26962.011	3707.8672	155A0	
26939.059	1711.0263	1A4A0		26951.710	3709.2844	255A0		26962.085	3707.8570	169A0	
26939.481	1710.9683	212A0		26951.864	3709.2532	25A00		26962.342	3707.8216	212A0	
26939.565	1710.9600	166A0		26951.931	3709.2540	22A0C		26962.447	3707.8072	171A0	
26939.656	1710.9442	170A0		26952.456	3709.1818	191A0		26963.404	3707.6756	167A0	
26939.790	1710.9256	201CB		26952.552	3709.1666	205A0		26963.500	3707.6616	161CB	
26939.903	1710.9101	262A0		26952.636	3709.1515	228A0		26963.621	3707.6457	274A0	
26939.974	1710.9003	240B0		26952.876	3709.1239	193CB		26963.792	3707.6223	160B0	
26940.128	1710.8791	222A0		26952.977	3709.1100	274A0		26963.934	3707.6027	198CB	
26940.471	1710.8318	184A0		26953.166	3709.0922	170CB		26964.047	3707.5872	289A0	26964 5 0 4 11
26940.700	1710.8003	196A0	33224 7 6283 6	26953.173	3709.0830	1A1B0		26964.205	3707.5655	170CA	
26940.879	1710.7756	279A0		26953.441	3709.0461	1A8A0		26964.358	3707.5444	224A0	

SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION
26904.557	3707.5171	22940	26916.954	3705.8133	27340	26919.443	3704.0094	30140
26904.564	3707.5084	26840	26917.361	3705.7574	10080	26919.541	3704.0050	26240
26904.503	3707.4695	15440	26917.505	3705.7375	21440	26919.693	3704.0055	23040
26905.022	3707.4531	16740	26917.857	3705.6893	14240	26919.779	3704.00523	18800
26905.275	3707.4194	21340	26917.257	3705.6343	14100	26919.896	3704.0342	15740
26905.440	3707.3957	27700	26917.406	3705.6134	17840	26919.056	3704.0143	17100
26905.514	3707.3850	32340	26917.528	3705.5971	21900	26919.120	3704.0045	18540
26905.780	3707.3490	18140	26917.638	3705.5819	29340	26919.103	3703.9800	15240
26906.014	3707.3167	20840	26917.621	3705.5568	22640	26919.515	3703.9513	15740
26906.252	3707.2840	31440	26917.130	3705.5144	17940	26919.679	3703.9288	22840
26906.464	3707.2564	20740	26917.137	3705.4880	20140	26919.904	3703.8973	14440
26906.591	3707.2374	17480	26917.907	3705.4488	19440	26919.036	3703.8799	15540
26906.731	3707.2192	20800	26917.837	3705.4172	14000	26919.157	3703.8344	23540
26906.828	3707.2048	27140	26917.889	3705.4102	17440	26919.444	3703.7690	20540
26906.901	3707.1947	21580	26918.095	3705.3819	18740	26919.217	3703.7178	18240
26907.095	3707.1682	17440	26918.248	3705.3400	14480	26919.355	3703.6986	21640
26907.364	3707.1308	17240	26918.397	3705.3403	14480	26919.610	3703.6638	22200
26907.780	3707.0740	14940	26918.645	3705.3093	19840	26919.712	3703.6499	27240
26908.787	3706.9355	17740	26918.763	3705.2901	18840	26919.863	3703.6291	25740
26908.895	3706.9205	18840	26918.804	3705.2844	14980	26919.063	3703.6016	16340
26909.074	3706.8955	24440	26918.100	3705.2848	20440	26919.197	3703.5813	18740
26909.413	3706.8820	20440	26918.123	3705.2819	19840	26919.177	3703.5722	15680
26909.887	3706.7584	18840	26918.416	3705.2604	27440	26919.559	3703.5337	16340
26910.078	3706.7484	18440	26918.514	3705.2649	17440	26919.679	3703.5171	19340
26910.317	3706.7235	28440	26918.197	3705.1310	15440	26919.764	3703.5055	19040
26910.454	3706.7045	20840	26918.282	3705.0815	19240	26919.056	3703.4655	21240
26910.688	3706.6743	19340	26918.363	3705.0704	19880	26919.026	3703.3872	17740
26911.454	3706.5697	15400	26918.443	3705.0525	25740	26919.796	3703.3639	18700
26911.544	3706.5366	20240	26918.591	3705.0301	30540	26919.910	3703.3462	23140
26911.676	3706.5195	24100	26918.692	3705.0251	29040	26919.972	3703.3397	24700
26911.786	3706.5237	32440	26918.963	3704.9840	21580	26919.154	3703.3148	20940
26911.940	3706.5022	19600	26918.060	3704.9747	28440	26919.336	3703.3035	22980
26912.044	3706.4976	14440	26918.120	3704.9445	20880	26919.396	3703.2837	27700
26912.149	3706.4735	16240	26918.207	3704.9248	20840	26919.572	3703.2711	34440
26912.204	3706.4697	16480	26918.331	3704.8848	17400	26919.736	3703.2349	19640
26912.332	3706.4443	16400	26918.431	3704.8531	25740	26919.827	3703.2224	17640
26912.450	3706.4321	24940	26918.545	3704.8103	22440	26919.909	3703.2112	16340
26912.609	3706.4103	16540	26918.621	3704.7603	22440	26919.065	3703.1899	18540
26912.680	3706.4005	16240	26918.882	3704.7268	15840	26919.213	3703.1694	18640
26912.889	3706.3718	15440	26918.945	3704.6768	16540	26919.736	3703.0978	20740
26913.001	3706.3564	21140	26919.612	3704.6467	28440	26919.853	3703.0817	22140
26913.171	3706.3331	21040	26919.730	3704.6243	17500	26919.153	3703.0605	16580
26913.624	3706.2737	26840	26919.845	3704.6081	15580	26919.256	3703.0404	19500
26913.704	3706.2535	21180	26919.642	3704.5930	20340	26919.388	3703.0210	26040
26913.926	3706.2293	15940	26919.946	3704.5785	15840	26919.631	3702.9476	17840
26914.091	3706.2068	22940	26919.340	3704.5300	19440	26919.104	3702.9101	18040
26914.274	3706.1815	16040	26919.108	3704.4189	15240	26919.255	3702.8908	19140
26914.713	3706.1211	15400	26919.385	3704.3829	16000	26919.591	3702.8707	23580
26914.809	3706.1079	19440	26919.590	3704.3537	16000	26919.490	3702.8572	29340
26914.878	3706.0985	17340	26919.704	3704.3331	25440	26919.577	3702.8452	24540
26915.134	3706.0820	14940	26919.783	3704.3203	20340	26919.749	3702.8216	15540
26915.304	3706.0600	14940	26919.943	3704.3016	15180	26919.945	3702.7920	16240
26915.443	3706.0399	18400	26919.171	3704.2730	20140	26919.089	3702.7778	15300
26915.553	3706.0208	27440	26919.320	3704.2515	14440	26919.185	3702.7646	18740
26915.849	3705.9597	19400	26919.880	3704.2157	20040	26919.884	3702.6861	18840
26916.814	3705.9397	27440	26919.831	3704.1825	24000	27000.033	3702.6459	21580
26916.045	3705.9281	19440	26919.921	3704.1701	25540	27000.164	3702.6275	25900
26916.194	3705.9172	16040	26919.000	3704.1393	22600	27000.272	3702.6127	33540
26916.321	3705.9002	15080	26919.186	3704.1337	17640	27000.536	3702.5763	17640
26916.618	3705.8595	22440	26919.323	3704.1149	21400	27000.635	3702.5630	17380

I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION	
SIGMA	WL	SIGMA	WL	SIGMA	WL
2700.717	1762.3518	2702.418	1760.8479	27023.964	1689.3666
2700.971	1762.3179	27012.000	1760.8229	27024.049	1689.3596
2701.023	1762.3079	27013.114	1760.8520	27024.287	1689.3279
2701.223	1762.2924	27013.307	1760.8261	27024.451	1689.2999
2701.356	1762.2645	27013.563	1760.7938	27024.125	1689.2077
2701.610	1762.2293	27013.823	1760.7556	27024.227	1689.1936
2701.740	1762.2115	27013.868	1760.7383	27024.308	1689.1747
2702.024	1762.1726	27014.079	1760.7203	27024.522	1689.1533
2702.352	1762.1276	27014.377	1760.6840	27024.631	1689.1324
2702.484	1762.1093	27014.467	1760.6667	27024.781	1689.1179
2702.544	1762.0985	27014.546	1760.6536	27024.887	1689.1034
2702.738	1762.0722	27014.598	1760.6353	27024.166	1689.0825
2702.916	1762.0503	27014.599	1760.6172	27024.339	1689.0587
2702.936	1762.0430	27014.621	1760.6045	27024.527	1689.0150
2702.997	1762.0385	27014.624	1760.5923	27024.858	1689.0150
2703.124	1762.0215	27014.524	1760.5740	27024.858	1689.0150
2703.274	1762.0012	27014.758	1760.4903	27024.932	1689.0603
2703.414	1762.1920	27014.820	1760.4810	27024.642	1689.0905
2703.550	1762.1634	27014.898	1760.4712	27024.915	1689.0659
2703.671	1762.1467	27014.913	1760.4553	27024.322	1689.0770
2703.785	1762.1311	27014.368	1760.4048	27024.530	1689.0717
2703.895	1762.1141	27014.456	1760.3947	27024.506	1689.0726
2703.916	1762.0797	27014.546	1760.3796	27024.682	1689.0785
2704.242	1762.0684	27014.721	1760.3545	27024.851	1689.0978
2704.370	1762.0507	27014.900	1760.3339	27024.917	1689.0848
2704.536	1762.0281	27017.039	1760.3149	27024.937	1689.0723
2704.954	1761.9708	27017.150	1760.2996	27024.123	1689.0505
2705.094	1761.9513	27017.311	1760.2776	27024.243	1689.0461
2705.214	1761.9350	27017.467	1760.2249	27024.401	1689.0225
2705.340	1761.9603	27017.758	1760.2143	27024.544	1689.0299
2705.815	1761.9520	27017.838	1760.2055	27030.006	1689.0287
2706.185	1761.9048	27018.289	1760.1616	27030.213	1689.0114
2706.513	1761.7572	27018.541	1760.1092	27030.358	1689.0054
2706.824	1761.7419	27018.952	1760.0898	27030.358	1689.0047
2706.887	1761.7059	27018.779	1760.0745	27030.743	1689.0380
2707.006	1761.6946	27018.921	1760.0571	27030.882	1689.0197
2707.389	1761.6370	27019.164	1760.0238	27030.497	1689.0060
2707.480	1761.6245	27019.235	1760.0140	27031.106	1689.0785
2707.659	1761.6001	27019.342	1689.0946	27031.371	1689.0529
2707.835	1761.5645	27020.000	1689.0993	27031.633	1689.0307
2708.162	1761.5311	27020.310	1689.0648	27031.799	1689.0944
2708.273	1761.5161	27020.499	1689.0533	27031.955	1689.0730
2708.438	1761.4931	27020.579	1689.0412	27031.973	1689.0548
2708.548	1761.4762	27020.579	1689.0300	27032.972	1689.0216
2708.747	1761.4481	27020.710	1689.0630	27032.722	1689.0115
2708.884	1761.4320	27021.352	1689.0516	27032.623	1689.0100
2708.994	1761.4167	27021.351	1689.0718	27032.989	1689.0315
2709.179	1761.3417	27021.556	1689.0943	27032.989	1689.0315
2709.443	1761.3535	27021.673	1689.0802	27033.069	1689.1205
2709.593	1761.3348	27021.849	1689.0542	27033.167	1689.1071
2709.744	1761.3048	27021.968	1689.0437	27033.205	1689.0983
2709.883	1761.2894	27021.968	1689.0333	27033.428	1689.0715
2709.994	1761.2800	27022.023	1689.0248	27033.546	1689.0553
2710.151	1761.2549	27022.323	1689.0049	27033.744	1689.0203
2710.151	1761.2549	27022.323	1689.0049	27033.247	1689.0594
2710.694	1761.1759	27022.355	1689.0321	27033.361	1689.0521
2710.726	1761.1628	27022.488	1689.0222	27033.482	1689.0250
2710.828	1761.1524	27022.488	1689.0222	27033.482	1689.0250
2711.272	1761.1069	27023.327	1689.0537	27033.088	1689.0627
2711.356	1761.0934	27023.454	1689.0354	27033.203	1689.0627
2711.571	1761.0376	27023.681	1689.0882	27033.335	1689.0107
2711.998	1761.0955	27023.931	1689.0869	27033.468	1689.0795
				27033.468	1689.0795

SIGMA	ML	I PS CLASSIFICATION ICM	511	ML	I PS CLASSIFICATION ICM	SIOMA	WL	Y PS CLASSIFICATION ICM
27035.603	1697.740	217C	27051.095	3495.295	194A0	27082.988	3496.088	15000
27035.730	1697.748	238A0	27059.176	3495.816	158B0	27082.811	3497.053	16970
27035.760	1697.745	208B0	27059.424	3495.816	13A00	27082.709	3497.049	23040
27035.879	1697.7303	185C	27059.669	3495.857	158B0	27083.088	3493.9120	21940
27036.094	1697.708	259A0	27059.764	3495.834	194B0	27084.053	3493.8887	17700
27036.270	1697.6827	148B0	27050.012	3495.802	30A00	27084.199	3493.8688	14500
27036.340	1697.6732	148B0	27050.202	3495.795	163B0	27084.444	3493.8331	20000
27036.964	1697.5959	154A0	27050.508	3495.725	27A00	27084.601	3493.8119	194C0
27037.024	1697.5706	191B0	27050.747	3495.708	147C0	27084.711	3493.7949	20140
27037.134	1697.5466	268A0	27050.944	3495.674	178B0	27085.022	3493.7544	20440
27037.261	1697.5114	146C	27051.235	3495.631	20A00	27085.050	3493.7302	18890
27037.523	1697.5114	146C	27051.502	3495.608	174B0	27085.250	3493.6981	28640
27037.731	1697.4929	168A0	27051.558	3495.5930	174B0	27085.742	3493.6582	17020
27037.814	1697.4716	137B0	27051.664	3495.5757	145B0	27086.010	3493.6197	18190
27039.034	1697.4414	171A0	27052.584	3495.4524	158B0	27086.250	3493.5858	15000
27039.172	1697.4226	204A0	27052.765	3495.4290	175B0	27086.420	3493.5637	13880
27039.285	1697.4012	264A0	27052.959	3495.4016	20A00	27086.531	3493.5485	15480
27039.459	1697.3835	176A0	27053.072	3495.3782	158B0	27086.790	3493.5132	15780
27039.102	1697.2955	184A0	27053.149	3495.372	174B0	27086.988	3493.4808	140C0
27039.336	1697.2630	13A00	27053.440	3495.338	145B0	27087.076	3493.4742	18580
27039.604	1697.2145	174A0	27053.641	3495.3034	140B0	27087.871	3493.3930	15580
27039.809	1697.1923	158A0	27053.900	3495.2688	148B0	27087.898	3493.3628	16800
27039.927	1697.1813	182A0	27054.166	3495.2370	16A00	27087.994	3493.3409	193B0
27040.060	1697.1693	238A0	27054.366	3495.2053	311A0	27088.243	3493.3149	27340
27040.331	1697.1274	328A0	27054.659	3495.1684	233B0	27088.356	3493.2995	193B0
27040.594	1697.0916	184A0	27054.764	3495.1509	16A00	27088.521	3493.2770	178C0
27040.691	1697.0761	176A0	27054.988	3495.1244	158B0	27088.596	3493.2668	200B0
27040.763	1697.0683	152B0	27055.240	3495.0890	198B0	27088.622	3493.2540	20100
27040.920	1697.0488	152B0	27055.374	3495.0716	198B0	27088.870	3493.2240	20100
27041.080	1697.0230	145C	27055.474	3495.0540	151B0	27089.044	3493.2056	208A0
27041.171	1697.0123	200A0	27055.719	3495.0246	16A00	27089.132	3493.1916	215C0
27041.269	1696.9942	191A0	27055.846	3495.0064	204B0	27089.373	3493.1697	182B0
27041.312	1696.986	192B0	27056.231	3494.9568	19A00	27089.524	3493.1284	147B0
27041.512	1696.9531	148B0	27056.761	3494.9369	161C0	27089.723	3493.1130	231B0
27041.562	1696.9593	136C	27056.454	3494.9242	25A00	27089.879	3493.0918	203B0
27041.634	1696.9593	141A0	27056.751	3494.8847	224A0	27089.932	3493.0769	204C0
27042.174	1696.8753	173A0	27057.136	3494.8525	151C0	27090.129	3493.0576	262B0
27042.417	1696.8422	178A0	27057.136	3494.8311	227A0	27090.257	3493.0401	216B0
27042.500	1696.8308	205A0	27057.245	3494.8108	149B0	27090.415	3493.0166	21190
27042.578	1696.8201	201A0	27057.410	3494.7937	231A0	27090.531	3493.0028	207C0
27042.752	1696.7965	227A0	27057.654	3494.7461	205B0	27090.678	3492.9895	241A0
27043.013	1696.7607	165A0	27057.774	3494.7151	147C0	27091.070	3492.9202	231B0
27043.171	1696.732	205B0	27057.946	3494.717	140B0	27091.216	3492.8953	286A0
27043.223	1696.718	205B0	27058.215	3494.6817	236A0	27091.413	3492.8624	178C0
27043.590	1696.6619	268A0	27058.515	3494.6427	168B0	27091.482	3492.8731	171B0
27043.694	1696.6127	218A0	27058.665	3494.6222	178B0	27091.597	3492.8573	162B0
27044.607	1696.5629	175B0	27058.147	3494.5545	172B0	27091.867	3492.8287	164B0
27044.960	1696.4966	232A0	27058.381	3494.5355	192A0	27091.984	3492.8045	174C0
27045.749	1696.3867	208B0	27058.542	3494.5126	30A00	27092.156	3492.7818	228B0
27046.080	1696.3415	282A0	27058.769	3494.4798	175C0	27092.293	3492.7495	329A0
27046.244	1696.3191	161B0	27058.810	3494.4688	16A00	27092.388	3492.7495	329A0
27046.366	1696.3024	162B0	27058.923	3494.4515	175B0	27092.548	3492.7249	233C0
27046.609	1696.2822	164A0	27059.426	3494.3818	168B0	27092.648	3492.7112	233B0
27046.954	1696.2218	147B0	27060.471	3494.3593	149B0	27092.818	3492.6808	242B0
27047.310	1696.1723	187B0	27060.728	3494.3493	149B0	27093.018	3492.6498	242B0
27047.521	1696.1408	258A0	27060.926	3494.3273	149B0	27093.088	3492.6400	173B0
27047.651	1696.1288	198B0	27060.923	3494.3263	30A00	27093.025	3492.6233	159B0
27047.893	1696.1088	140B0	27061.437	3494.2611	221B0	27093.916	3492.5618	145B0
27048.091	1696.0666	163B0	27061.697	3494.1810	308B0	27094.526	3492.4531	172B0
27048.235	1696.0676	208A0	27062.124	3494.1506	253A0	27094.650	3492.4618	265C0





SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
27106.678	3687.0059	16100		27121.610	3686.0447	16780		27135.840	3684.1415	17580	
27106.715	3687.7982	16170		27121.819	3686.0143	16582		27135.847	3684.1135	16490	
27106.904	3687.7837	16708		27122.046	3685.9832	16880		27135.872	3684.0866	15780	
27108.707	3687.7725	27540	27724 5	27122.428	3685.9343	16850		27136.201	3684.0954	24640	
27109.103	3687.7490	29640		27122.441	3685.9601	13180		27136.421	3684.0356	20540	
27109.264	3687.7261	13200		27123.083	3685.9472	23480		27137.049	3683.9503	14440	
27109.362	3687.7128	21440		27123.225	3685.9279	18590		27137.230	3683.9258	20940	
27109.618	3687.6760	5090		27123.391	3685.9054	23480		27137.359	3683.9081	14108	
27109.887	3687.6414	19980	34708 6	27123.622	3685.8779	32440	27743 6	27137.450	3683.8866	19780	
27110.014	3687.6242	18190		27123.974	3685.8242	20408		27137.835	3683.8436	15180	
27110.094	3687.6133	15808		27124.063	3685.8113	21180		27137.916	3683.8324	13780	
27110.939	3687.4983	20190		27124.220	3685.7937	20380		27138.742	3683.7177	13680	
27111.173	3687.4644	31240	30979 4	27124.513	3685.8389	15280		27139.979	3683.6863	13180	
27111.333	3687.4447	21000		27124.741	3685.8220	16180		27139.108	3683.6793	18080	
27111.449	3687.4250	17980		27124.939	3685.8044	19480	33373 7	27139.195	3683.6590	18580	
27111.595	3687.4091	16890		27125.079	3685.7870	25140		27139.358	3683.6369	24840	32399 7
27111.819	3687.3786	23440		27125.237	3685.7544	24940		27139.430	3683.6271	22040	
27112.046	3687.3477	14980		27125.505	3685.7181	16180		27139.403	3683.6136	19780	
27112.190	3687.3281	13880		27125.714	3685.6887	15280		27139.839	3683.5579	21980	
27112.385	3687.3017	18540		27125.902	3685.6641	16080		27140.034	3683.5451	24540	
27112.501	3687.2859	13780	34118 5	27126.091	3685.6231	30880	27126 6	27140.381	3683.5080	24240	
27113.264	3687.1819	12408		27126.204	3685.6231	30880		27140.470	3683.4859	18608	
27113.421	3687.1647	15180		27126.425	3685.5659	25008		27140.810	3683.4398	22640	
27113.521	3687.1467	18240		27126.605	3685.5415	25008	31988 4	27141.039	3683.4086	17440	
27113.845	3687.0884	15580		27127.044	3685.5044	14880		27141.300	3683.3733	18940	
27114.050	3687.0782	20080		27127.304	3685.4737	17380		27141.411	3683.3582	12880	
27114.358	3687.0333	14480		27127.411	3685.4592	16880		27141.636	3683.3277	13180	
27114.484	3687.0162	16780		27127.741	3685.4244	13480		27141.715	3683.3170	13880	
27114.628	3686.9966	16380		27127.830	3685.4023	14480		27142.108	3683.2636	15240	
27114.814	3686.9713	15480		27128.011	3685.3733	13980		27142.447	3683.2177	14808	
27115.137	3686.9274	25140	34306 3	27128.128	3685.3619	18440		27142.535	3683.2056	19040	
27115.232	3686.9145	19508		27128.497	3685.3082	15280		27142.686	3683.1852	16440	
27115.399	3686.8918	12980		27128.697	3685.2806	15480	32891 5	27142.907	3683.1687	16840	
27115.651	3686.8576	20440	7191 2	27129.149	3685.2293	16008		27143.253	3683.1483	11908	
27115.947	3686.8173	14280		27129.303	3685.2050	16008		27143.380	3683.1337	15940	
27116.061	3686.8018	14680		27129.632	3685.2116	13480		27143.738	3683.0928	13740	
27116.162	3686.7848	18980		27130.843	3684.7930	16380		27143.935	3683.0157	17140	
27116.508	3686.7410	21580		27131.069	3684.7622	15080		27144.598	3682.9664	13380	
27116.673	3686.7196	14780		27131.320	3684.7282	19480		27144.433	3682.9481	17940	
27116.771	3686.7092	15480		27131.428	3684.7135	15108		27145.069	3682.8618	15940	
27116.880	3686.6904	16808		27131.534	3684.6991	14408		27145.233	3682.8396	15240	
27116.993	3686.6751	25140		27131.637	3684.6852	17780		27145.423	3682.8138	20040	
27117.197	3686.6473	17880		27131.892	3684.6505	20880		27145.547	3682.7969	15840	
27117.963	3686.5432	19580		27132.027	3684.6321	20408		27145.770	3682.7468	13240	
27118.276	3686.5087	17380		27132.151	3684.6153	27980		27145.939	3682.7437	16740	
27118.544	3686.4911	17280		27132.429	3684.5788	23780		27146.233	3682.7040	16440	
27118.688	3686.4718	19180		27132.533	3684.5635	25480		27146.481	3682.6703	20940	
27118.903	3686.4518	19180		27132.606	3684.5244	30740	37793 4	27146.920	3682.6489	14740	
27118.775	3686.4327	22680		27133.080	3684.4891	18580		27147.469	3682.6106	15640	
27119.129	3686.3886	18540		27133.152	3684.4744	17508		27147.661	3682.5363	16240	
27119.321	3686.3586	13780		27133.369	3684.4499	19780		27147.661	3682.5102	15280	
27119.438	3686.3426	15080		27133.639	3684.4269	15080		27147.817	3682.4890	21940	
27119.643	3686.2876	15880		27133.839	3684.4041	14280		27148.063	3682.4556	31880	
27120.081	3686.2552	14880		27134.046	3684.3840	16981		27148.214	3682.4352	23108	
27120.349	3686.2188	16480		27134.446	3684.3037	19680		27148.342	3682.4178	20440	
27120.436	3686.2071	15980		27134.620	3684.2860	21480		27148.455	3682.4025	24240	
27120.744	3686.1651	13500		27134.845	3684.2495	17880		27148.609	3682.3736	21480	
27120.928	3686.1491	13500		27135.014	3684.2258	22540	34238 4	27148.828	3682.3519	14980	
27121.169	3686.1044	22391		27135.350	3684.1807	15480		27148.896	3682.3426	18340	
27121.469	3686.0693	20640		27135.516	3684.1584	19540		27149.100	3682.3150	13340	

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	%	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
27149.334	3682.2870	17A0	27161.922	3840.5767	203A0	27172.002	3679.2113	15B00
27149.691	3682.2619	14B00	27162.215	3840.5370	13A81	27172.105	3679.1923	157A0
27150.005	3682.1922	181A0	27162.409	3840.5137	201B0	27172.519	3679.1277	171A0
27150.282	3682.1547	127C8	27162.472	3840.5022	224A0	27172.934	3679.0850	174A0
27150.370	3682.1427	141A0	27162.732	3840.4869	144A0	27173.067	3679.0886	237A0
27150.613	3682.1098	238A0	27162.903	3840.4438	157B0	27173.944	3679.0493	18090
27150.747	3682.0916	146B0	27162.996	3840.4312	194A0	27174.086	3679.0291	146B0
27150.919	3682.0663	161A0	27163.062	3840.4222	195A0	27174.227	3679.0101	146C8
27151.059	3682.0492	201C8	27163.218	3840.4011	194A0	27174.368	3679.0710	227A0
27151.169	3682.0344	28A0	27163.282	3840.3924	173B0	27174.469	3679.0772	197B0
27151.392	3682.0161	18A0	27163.663	3840.3499	159B0	27174.706	3679.0451	261A0
27151.613	3681.9741	179A0	27163.747	3840.3294	199A0	27174.998	3679.0056	167A0
27151.834	3681.9431	149C8	27163.946	3840.3035	174A0	27175.159	3679.7838	171A0
27151.932	3681.9308	144A0	27164.099	3840.2817	175A0	27175.407	3679.7503	300A0
27152.020	3681.9130	151C8	27164.290	3840.2588	160C8	27175.577	3679.7272	174C8
27152.384	3681.8687	179A0	27164.580	3840.2310	230A0	27175.681	3679.7128	153A0
27152.661	3681.8293	158A0	27164.554	3840.2201	277A0	27175.765	3679.7018	135C4
27153.134	3681.7679	169A0	27164.743	3840.1944	164B0	27176.066	3679.6611	158A0
27153.269	3681.7496	212A0	27164.893	3840.1741	164C8	27176.165	3679.6477	177A0
27153.412	3681.7302	17A0	27165.004	3840.1591	233A0	27176.244	3679.6369	164B0
27153.575	3681.7091	12A0	27165.269	3840.1292	165A0	27176.361	3679.6211	173A0
27153.779	3681.6895	152A0	27165.332	3840.1147	16650	27176.832	3679.5573	134B0
27153.850	3681.6749	149A0	27165.814	3840.0493	152A0	27177.509	3679.5083	145A0
27154.003	3681.6591	202A0	27165.902	3840.0375	145A0	27177.341	3679.4884	138A0
27154.302	3681.6095	215A0	27166.022	3840.0212	169A0	27177.586	3679.4553	240A0
27154.371	3681.6003	225A0	27166.156	3840.0011	149B0	27177.764	3679.4312	242A0
27154.576	3681.5729	168C8	27166.250	3879.9993	131A0	27177.844	3679.4197	174C8
27154.688	3681.5572	245A0	27166.335	3879.9787	169A0	27177.935	3679.4100	143C8
27154.988	3681.5165	129C4	27166.473	3879.9661	223C8	27178.249	3679.3658	142B0
27155.156	3681.4938	159A0	27166.584	3879.9451	293A0	27178.387	3679.3469	189A0
27155.370	3681.4647	166A0	27166.754	3879.9220	192B0	27178.503	3679.3312	146A0
27155.433	3681.4562	152C9	27166.852	3879.9088	172A0	27178.672	3679.3083	134A0
27155.528	3681.4433	170A0	27166.958	3879.8762	221A0	27178.929	3679.2735	191A0
27155.634	3681.4289	180A0	27167.093	3879.8594	136C8	27179.157	3679.2426	153A0
27156.369	3681.3294	161A0	27167.379	3879.8294	138C8	27179.297	3679.2237	171A0
27156.647	3681.2916	201A0	27167.527	3879.8174	192C8	27179.818	3679.2273	197A0
27156.864	3681.2623	154A0	27167.835	3879.8026	259A0	27179.568	3679.1909	204A0
27157.072	3681.2341	154A0	27167.856	3879.7727	231A0	27179.627	3679.1791	180A0
27157.501	3681.1758	182A0	27168.166	3879.7388	207A0	27179.756	3679.1616	164A0
27158.388	3681.0556	167A0	27168.398	3879.6993	148A0	27179.881	3679.1446	161A0
27158.494	3681.0413	182A0	27168.542	3879.6799	197C8	27180.035	3679.1238	120C4
27158.747	3681.0069	115C8	27168.657	3879.6643	277A0	27180.236	3679.0967	13090
27158.780	3681.0025	131B0	27168.939	3879.6261	137A0	27180.472	3679.0648	242A0
27159.119	3680.9545	151C8	27169.253	3879.5835	241A0	27180.555	3679.0525	185C8
27159.229	3680.9416	212A0	27169.537	3879.5451	177A0	27180.797	3679.0094	155B0
27159.418	3680.9161	208A0	27169.679	3879.5299	146A0	27181.011	3679.0017	197A0
27159.581	3680.8939	244C8	27169.828	3879.5037	180C8	27181.451	3679.0322	144A0
27159.690	3680.8763	309A0	27169.936	3879.4910	246A0	27181.597	3679.0129	149B0
27159.856	3680.8545	194C8	27170.148	3879.4598	178A0	27181.973	3679.0817	143C8
27160.041	3680.8411	182A0	27170.381	3879.4303	149B0	27182.223	3679.0278	278A0
27160.068	3680.8250	169B0	27170.568	3879.4055	225A0	27182.593	3679.0899	138A0
27160.145	3680.8128	209A0	27170.710	3879.3862	273C8	27182.593	3679.0899	138A0
27160.518	3680.7670	175A0	27171.092	3879.3716	324A0	27182.776	3679.0750	208A0
27160.611	3680.7564	163A0	27171.484	3879.3345	282A0	27182.939	3679.0731	218A0
27160.939	3680.7100	161B0	27171.184	3879.3288	182C8	27183.239	3679.0903	212A0
27161.157	3680.6803	127B0	27171.413	3879.2938	144A0	27183.376	3679.0718	185A0
27161.466	3680.6384	135B0	27171.613	3879.2681	192A0	27183.520	3679.0523	242A0
27161.579	3680.6231	194A0	27171.582	3879.2541	192A0	27183.432	3679.0372	272A0
27161.690	3680.6091	150C4	27171.804	3879.2383	137A0	27183.625	3679.0118	217A0
			27171.804	3879.2383	137A0	27184.110	3679.0728	145C8

SIGMA	WL	I	PS	CLASSIFICATION	ION	SIGMA	WL	I	PS	CLASSIFICATION	ION	SIGMA	WL	I	PS	CLASSIFICATION	ION					
27184.160	6677.5657	151A0				27192.592	3675.9850	13A90				27200.147	3674.1084	13780								
27184.375	6677.5366	17A40				27196.645	3675.8721	141A0				27200.355	3674.1094	212A0								
27184.579	6677.5090	19000				27196.973	3675.9231	131A0				27200.486	3674.1097	212A0								
27184.730	6677.4886	150A0				27197.291	3675.7981	136C0	30862	0	7665	0	1	27209.599	3674.1274	312A0	27029	4	620	9	11	
27184.849	6677.4725	157C4				27197.406	3675.7746	17A40				27209.685	3674.1157	246C8								
27184.997	6677.4526	157C8				27197.697	3675.7352	17A40				27209.762	3674.1054	205C8								
27185.210	6677.4236	227A0				27199.096	3675.6814	150A0				27209.875	3674.0901	184A0								
27185.465	6677.3966	310A0	30960	0	3830	0	3830	7	11		27199.236	3675.6424	160A0									
27185.635	6677.3662	216C8				27199.335	3675.6490	17A40				27210.023	3674.0701	180A0								
27185.746	6677.3512	196A0				27199.542	3675.6211	165A0				27210.202	3674.0459	190C8								
27185.828	6677.3401	17A40				27199.600	3675.6132	160A0				27210.342	3674.0271	257A0								
27186.052	6677.3097	200A0				27199.719	3675.5871	15A00				27210.532	3673.9878	152A0								
27186.152	6677.2954	189C8				27199.950	3675.5521	18A40				27210.837	3673.9602	201A0								
27186.507	6677.2374	145A0				27199.241	3675.5245	197A0				27211.001	3673.9380	138A0								
27186.695	6677.2228	166A0				27199.360	3675.5105	180A0				27211.163	3673.9161	140A0								
27187.240	6677.1842	141A0				27199.432	3675.5009	171A0				27211.300	3673.8477	13760								
27187.360	6677.1728	180A0				27199.656	3675.4705	142A0				27211.538	3673.8655	177A0								
27187.485	6677.1159	225A0				27199.918	3675.4342	161A0				27211.759	3673.8357	167A0								
27187.606	6677.0996	183A0				27200.044	3675.4181	200A0				27211.438	3673.8250	14260								
27187.739	6677.0816	166A0				27200.731	3675.3253	193A0				27211.930	3673.8126	169A0								
27187.818	6677.0709	14500				27201.022	3675.2959	19A00				27212.123	3673.7865	15A00								
27188.242	6677.0135	145A0				27201.151	3675.2485	202C8				27212.272	3673.7484	180A0								
27188.416	6676.9708	183A0				27201.265	3675.2530	206A0				27212.536	3673.7484	169C8								
27188.710	6676.9502	317A0				27201.223	3675.2318	165C4				27212.518	3673.7333	250A0								
27188.941	6676.9256	216A0				27201.542	3675.2357	168A0				27212.681	3673.7173	170A0								
27189.057	6676.9033	17000				27201.833	3675.2034	14190				27212.935	3673.6789	148A0								
27189.214	6676.8821	156A0				27201.803	3675.1905	142A0				27213.093	3673.6556	12760								
27189.327	6676.8668	140C4				27201.924	3675.1640	14590				27213.597	3673.5076	13090								
27189.547	6676.8317	256A0	34893	4	7103	3	1				27202.278	3675.1162	149A0									
27189.747	6676.8074	160A0				27202.395	3675.1005	184C8				27213.654	3673.5528	194A0								
27189.835	6676.7981	155A0				27202.516	3675.0840	272A0	32462	7	8529	7	2	27213.943	3673.5408	158A0						
27189.919	6676.7868	14190				27202.732	3675.0549	177A0				27214.287	3673.4944	174A0								
27190.104	6676.7617	136A0				27202.785	3675.0333	149A0				27214.540	3673.4711	160A0								
27190.374	6676.7250	175A0				27202.785	3675.0333	149A0				27214.553	3673.4585	174A0								
27190.569	6676.6928	13490				27202.692	3675.0333	149A0				27214.629	3673.4302	14180								
27190.804	6676.6566	192A0				27203.187	3675.0833	23A00				27214.763	3673.4302	14180								
27191.303	6676.5966	184A0				27203.328	3675.0748	223A0				27214.924	3673.4078	201A0								
27191.333	6676.5946	187C4				27203.461	3675.0564	13990				27215.066	3673.3866	191A0								
27191.576	6676.5024	273A0	33471	6	6283	6	2				27215.222	3673.3526	196C8									
27191.812	6676.5173	302A0	31467	6	4275	6	11				27215.337	3673.3386	196C8									
27192.074	6676.4953	17980				27204.236	3674.0520	167A0				27215.442	3673.3386	196C8								
27192.197	6676.4708	157A0				27204.714	3674.7871	130A0				27215.538	3673.3256	17690								
27192.247	6676.4693	166C8				27204.968	3674.7528	166A0				27215.638	3673.3152	16300								
27192.475	6676.4412	146A0				27205.172	3674.7252	14A00				27215.757	3673.2960	158A0								
27192.744	6676.4063	160A0				27205.366	3674.6990	203A0				27215.827	3673.2865	154A0								
27193.016	6676.3677	275A0				27205.699	3674.6271	16190				27216.330	3673.2187	142A0								
27193.237	6676.3181	15900				27204.049	3674.6469	147A0				27216.828	3673.1548	145A0								
27193.387	6676.3178	131A0				27204.166	3674.5970	174A0				27217.009	3673.1095	153A0								
27193.616	6676.2526	196A0				27206.166	3674.5970	174A0				27217.339	3673.0752	219A0								
27193.510	6676.1650	196A0				27206.630	3674.5243	121C8				27217.462	3673.0659	213A0								
27194.810	6676.1255	217A0				27206.756	3674.5113	159A0				27217.570	3673.0513	259A0								
27194.897	6676.1137	199A0				27206.862	3674.4949	12550				27217.719	3673.0312	165C8								
27195.194	6676.0736	13690				27207.109	3674.4637	329A0				27217.922	3673.0038	234A0								
27195.459	6676.0319	150A0				27207.554	3674.4036	160A0				27218.142	3672.9741	256A0								
27195.837	6675.9844	155A0				27208.046	3674.3371	190A0				27218.470	3672.9287	144A0								
27195.909	6675.9844	155A0				27208.341	3674.2972	12880				27218.683	3672.9119	14590								
27195.969	6675.9763	166A0				27208.527	3674.2721	184A0				27218.717	3672.8966	200A0								
27196.225	6675.9342	11800				27208.464	3674.2561	184A0				27218.912	3672.8837	16290								
27196.299	6675.9342	11800				27208.829	3674.2513	147A0				27219.140	3672.8333	12700								
27196.340	6675.9186	155A0				27209.013	3674.2288	194A0				27219.315	3672.8139	161A0								
27196.506	6675.8864	19290				27209.014	3674.2283	171A0				27219.738	3672.7587	134A0								

SIGMA	I	PS	CLASSIFICATION	ION	ML	SIGMA	I	PS	CLASSIFICATION	ION	ML	SIGMA	I	PS	CLASSIFICATION	ION	ML
27219.91A					1672.7348	15760						27240.998	3669	8V23	21080		
27219.952					1672.7299	15760						27241.104	3669	8780	25740		
27220.230					1672.6912	16440						27241.268	3669	8560	16740		
27220.400					1672.6540	12440						27241.377	3669	8613	13280		
27220.857					1672.6077	17400						27241.543	3669	8109	13040		
27220.939					1672.5947	20740						27242.071	3669	7477	16140		
27221.040					1672.5906	24940						27242.147	3669	7011	20540	31510 5	4275 6 1
27221.139					1672.5637	24840						27242.523	3669	6649	19740		
27221.347					1672.5416	14640						27242.653	3669	6684	15580		
27221.435					1672.5248	14880						27242.787	3669	6516	17340		
27221.620					1672.5089	16640						27243.877	3669	6791	16640		
27221.708					1672.4930	14940						27243.368	3669	6730	13840		
27221.806					1672.4663	19440						27243.683	3669	5306	16640		
27222.037					1672.4645	17240						27243.874	3669	5049	20740		
27222.272					1672.4106	16440						27244.182	3669	4836	19140		
2722.395					1672.4003	20440						27244.515	3669	4106	14940		
27223.824					1672.3424	16040						27244.647	3669	4008	13100		
27223.863					1672.3102	16240						27244.758	3669	3858	15240		
27223.242					1672.2816	15440						27244.940	3669	3613	19640		
27223.349					1672.2649	16640						27245.077	3669	3402	15440		
27223.447					1672.2556	16440						27245.480	3669	2993	18740		
27223.961					1672.2293	16440						27245.501	3669	2857	15540		
27223.694					1672.2239	10140						27245.673	3669	2826	16940		
27223.767					1672.2132	15440						27245.777	3669	2886	16140		
27223.966					1672.1947	20040						27245.882	3669	2344	19240		
27224.054					1672.1746	17400						27246.084	3669	1529	17840		
27224.186					1672.1573	17040						27246.339	3669	1743	25940		
27224.479					1672.1191	13040						27246.378	3669	1676	25940		
27224.697					1672.0897	17540						27246.545	3669	1451	15200		
27224.784					1672.0747	13000						27246.819	3669	1617	17400		
27224.826					1672.0549	15100						27247.083	3669	1727	18000		
27225.024					1672.0436	20340						27247.510	3669	1132	15340		
27225.140					1672.0273	13740						27247.163	3669	1275	22400		
27225.371					1671.9941	13440						27248.263	3669	1138	24340		
27225.880					1671.9302	19240						27248.555	3669	8745	13940		
27226.076					1671.9037	11200						27248.919	3669	8255	19740		
27226.290					1671.8748	15340						27249.218	3669	7852	16540		
27226.624					1671.8295	15240						27249.743	3669	7686	16140		
27226.714					1671.8177	15440						27249.634	3669	7292	22040		
27226.603					1671.8037	16040						27249.991	3669	6852	16440		
27226.687					1671.7944	17740						27250.052	3669	6730	18840		
27227.146					1671.7571	16740						27250.160	3669	6543	17040		
27227.320					1671.7440	17140						27250.973	3669	5889	13200		
2727.445					1671.7182	17140						27251.149	3669	5252	16840		
2727.694					1671.6495	14100						27251.255	3669	5110	14440		
27228.088					1671.6354	15040						27251.582	3669	4869	14500		
27228.239					1671.6150	13040						27251.812	3669	4360	22540		
27228.377					1671.5736	15040						27251.984	3669	4237	22540		
27228.566					1671.5682	15400						27252.054	3669	4036	16100		
27228.668					1671.5542	21140						27252.268	3669	3748	19500		
27228.732					1671.5446	21140						27252.349	3669	3610	26440	27232 5	6 6 11
27228.822					1671.5335	25940						27252.495	3669	3427	14900		
27228.932					1671.5196	21640						27252.790	3669	3044	14040		
2729.094					1671.4945	14440						27253.063	3669	2826	19240		
2729.553					1671.4306	13000						27253.480	3669	2493	17440		
2729.638					1671.4233	19240						27253.863	3669	1926	20340		
2729.787					1671.4162	28740						27254.051	3669	1481	16440		
2729.929					1671.3862	18540						27254.218	3669	1122	12800		
2729.105					1671.3523	23440						27254.346	3669	8932	16240		
2729.299					1671.3343	17240						27254.943	3669	6080	21140		

SIGMA	W/L	I PS CLASSIFICATION IOM	SIGMA	W/L	I PS CLASSIFICATION IOM	SIGMA	W/L	I PS CLASSIFICATION IOM
27254.714	1648.0454	139C8	27264.817	2648.6171	126B0	27278.504	3664.7803	128B0
27254.984	1648.0118	263A0	27264.995	3664.3532	181A8	27278.742	3664.7445	211A0
27255.133	1647.9690	248A0	27267.141	3664.3789	203C8	27279.341	3664.7339	178A0
27255.373	1647.9635	182C0	27267.278	3664.3952	265A8	27280.554	3664.7053	164C8
27255.414	1647.9304	228A0	27267.560	3664.3173	146A0	27279.752	3664.6787	237B0
27255.829	1647.8753	118B0	27267.434	3664.3074	187A8	27279.819	3664.6697	271A0
27255.945	1647.8770	131A0	27267.838	3664.2910	159A0	27280.027	3664.6618	108A0
27256.345	1647.8232	134B0	27268.107	3664.2537	174C0	27280.606	3664.5909	139A0
27256.503	1647.8046	171A0	27268.286	3664.2304	234A0	27280.510	3664.5769	154A0
27256.884	1647.7536	184A0	27268.372	3664.2082	291A8	27280.673	3664.5560	139A0
27257.197	1647.7113	144A4	27268.636	3664.1723	154A8	27280.912	3664.5229	256A0
27257.740	1647.6345	128B0	27268.648	3664.1514	172A8	27281.087	3664.5101	195C8
27260.004	1647.5523	179A0	27269.075	3664.1283	143C8	27281.336	3664.4891	248A0
27260.241	1647.5187	176A8	27269.143	3664.1045	200A8	27281.912	3664.3885	192A0
27260.397	1647.5187	176A8	27269.315	3664.0913	236A0	27282.170	3664.3539	108A0
27260.491	1647.5187	176A8	27269.555	3664.0491	194A0	27282.273	3664.3608	192A0
27260.789	1647.4584	145A0	27270.156	3664.9483	174A0	27282.623	3664.2938	164A0
27260.853	1647.4584	145A0	27270.406	3664.9350	303A0	27282.923	3664.2528	228A0
27260.937	1647.4233	100A0	27270.698	3664.8944	162A8	27283.059	3664.2345	154A0
27260.944	1647.3527	117A0	27270.797	3664.8921	174A8	27283.691	3664.1765	167A0
27260.944	1647.3527	117A0	27270.967	3664.8693	177A8	27283.651	3664.1548	132A0
27260.944	1647.3527	117A0	27271.308	3664.8134	174A8	27283.921	3664.1197	133B0
27260.944	1647.3527	117A0	27271.438	3664.8134	174A8	27284.570	3664.0216	163B0
27260.944	1647.3527	117A0	27271.539	3664.7890	188A0	27284.966	3664.0162	145B0
27260.944	1647.3527	117A0	27271.870	3664.7368	220A8	27284.768	3664.0049	170B0
27260.944	1647.3527	117A0	27272.016	3664.7182	188A8	27284.681	3664.9898	164A0
27260.944	1647.3527	117A0	27272.101	3664.7448	154A0	27285.066	3664.9623	191A0
27260.944	1647.3527	117A0	27272.531	3664.6499	161A0	27285.313	3664.9318	208A0
27260.944	1647.3527	117A0	27272.621	3664.6272	164A8	27285.509	3664.8947	184A0
27260.944	1647.3527	117A0	27273.176	3664.5423	128A8	27285.669	3664.8639	184A0
27260.944	1647.3527	117A0	27273.369	3664.5163	130C8	27285.890	3664.8257	138B0
27260.944	1647.3527	117A0	27273.694	3664.5196	190A8	27285.982	3664.8019	157A8
27260.944	1647.3527	117A0	27273.634	3664.5008	160C8	27286.113	3664.8044	151A8
27260.944	1647.3527	117A0	27273.631	3664.4922	203A0	27286.234	3664.7861	142B0
27260.944	1647.3527	117A0	27274.195	3664.4254	190A8	27286.434	3664.7697	221A8
27260.944	1647.3527	117A0	27274.426	3664.4131	203C8	27286.516	3664.7521	218A8
27260.944	1647.3527	117A0	27274.602	3664.3978	261A0	27286.645	3664.7529	133B0
27260.944	1647.3527	117A0	27274.576	3664.3744	203A0	27286.940	3664.7132	204A0
27260.944	1647.3527	117A0	27274.679	3664.3603	144A8	27287.251	3664.6716	152A0
27260.944	1647.3527	117A0	27274.669	3664.3352	213B0	27287.540	3664.6596	164A0
27260.944	1647.3527	117A0	27275.244	3664.3056	273A0	27287.568	3664.6290	234A0
27260.944	1647.3527	117A0	27275.244	3664.2943	194C8	27287.634	3664.6291	195C8
27260.944	1647.3527	117A0	27275.388	3664.2651	174B0	27287.938	3664.5784	174A0
27260.944	1647.3527	117A0	27275.508	3664.2569	200A0	27288.028	3664.5524	256A0
27260.944	1647.3527	117A0	27275.835	3664.2550	200A0	27288.250	3664.5182	164A0
27260.944	1647.3527	117A0	27276.081	3664.1827	174C8	27288.347	3664.4170	195C8
27260.944	1647.3527	117A0	27276.096	3664.1828	175C8	27289.208	3664.4098	212A0
27260.944	1647.3527	117A0	27276.198	3664.1562	221A0	27289.383	3664.3953	161B0
27260.944	1647.3527	117A0	27276.366	3664.1337	277A8	27289.532	3664.3853	281C8
27260.944	1647.3527	117A0	27276.496	3664.1142	269A8	27289.628	3664.3524	254A0
27260.944	1647.3527	117A0	27276.591	3664.1034	190C8	27289.718	3664.3493	214A0
27260.944	1647.3527	117A0	27276.715	3664.0848	104A0	27289.837	3664.3264	164A0
27260.944	1647.3527	117A0	27276.976	3664.0513	234A0	27290.822	3664.2994	104A0
27260.944	1647.3527	117A0	27277.362	3664.0097	204A0	27290.264	3664.2897	104A0
27260.944	1647.3527	117A0	27277.556	3664.0026	201A0	27290.324	3664.2574	164A0
27260.944	1647.3527	117A0	27277.488	3664.0042	128A0	27290.582	3664.2217	181A0
27260.944	1647.3527	117A0	27278.118	3664.0042	128A0	27290.739	3664.2033	167A0
27260.944	1647.3527	117A0	27278.429	3664.0064	126C8	27290.858	3664.1875	286A0
27260.944	1647.3527	117A0	27278.526	3664.0064	126C8	27290.992	3664.1875	174A0
27260.944	1647.3527	117A0	27278.648	3664.0082	203A0	27291.092	3664.1806	178A0

SIGMA	ML	I	PS	CLASSIFICATION	ION	SIGMA	ML	I	PS	CLASSIFICATION	ION
27301.241	1663.1306	1280				27316.371	3650.7459	13740			
27301.753	1663.0094	16140				27316.348	3650.7432	16440			
27301.778	1663.0935	16340				27316.732	3650.7175	13840			
27301.979	1663.0390	21240				27317.035	3650.6769	18740			
27302.062	1663.0257	21040	27501 4	288 3 2		27317.136	3650.6634	18140			
27302.303	1662.9933	17640				27317.257	3650.6611	15240			
27302.486	1662.9840	13540				27317.361	3650.6359	15740			
27302.910	1662.9114	13390				27317.463	3650.6160	26340			
27303.150	1662.8796	16540				27317.729	3650.5860	33140	27930 5	620 5 11	
27303.295	1662.8642	14140				27317.800	3650.5637	25240			
27303.387	1662.8574	17640				27318.010	3650.5463	22440			
27303.534	1662.8291	18240				27318.131	3650.5300	23140			
27303.602	1662.8062	15140				27318.200	3650.5080	18440			
27303.708	1662.7927	23840				27318.366	3650.4939	17740			
27304.276	1662.7298	19540				27318.618	3650.4668	21440			
27304.434	1662.7073	16440				27318.723	3650.4507	14500			
27304.561	1662.6903	20000				27318.960	3650.4143	25840			
27304.678	1662.6746	20240				27319.099	3650.4004	18200			
27304.867	1662.6492	21940				27319.255	3650.3796	16740			
27305.056	1662.6241	27640				27319.445	3650.3591	13940			
27305.608	1662.5698	21540				27319.751	3650.3130	20240			
27305.666	1662.5623	20180				27319.844	3650.3006	13540			
27305.797	1662.5264	19400				27320.038	3650.2787	17500			
27305.917	1662.5083	28840				27320.259	3650.2581	17240			
27306.080	1662.4895	15000				27320.338	3650.2364	10540			
27306.166	1662.4712	13940				27320.458	3650.2183	18540			
27306.382	1662.4480	13740				27320.487	3650.1877	29640			
27306.513	1662.4294	13540				27320.573	3650.1508	30641	27401 6	620 5 11	
27306.546	1662.4173	15240				27321.067	3650.1302	27404			
27306.666	1662.4082	15040				27321.213	3650.1172	24740			
27306.847	1662.3836	16740				27321.484	3650.0810	28940			
27307.014	1662.3611	16340				27321.639	3650.0602	20740			
27307.246	1662.3276	29340				27321.794	3650.0395	19540			
27307.499	1662.2950	17640				27321.931	3650.0210	22500			
27307.689	1662.2705	14740				27322.047	3650.0056	31140			
27307.800	1662.2557	15740				27322.203	3650.0000	31400			
27308.180	1662.2368	13440				27322.373	3650.0021	24640			
27308.439	1662.1898	19440				27322.622	3650.0066	18540			
27308.592	1662.1844	13540				27322.657	3650.0036	15040			
27308.970	1662.0988	16440				27323.204	3650.0000	20640			
27309.281	1662.0370	16940				27323.260	3650.0000	18000			
27309.542	1662.0220	24940				27323.368	3650.0000	14000			
27309.615	1662.0122	17980				27323.473	3650.0146	13400			
27309.761	1661.9885	15440				27323.558	3650.0032	17400			
27309.946	1661.9678	16740				27323.606	3650.7459	17440			
27309.108	1661.9471	20040				27323.658	3650.7459	17440			
27309.198	1661.9343	25840				27323.671	3650.7230	17340			
27309.526	1661.8903	23340				27323.684	3650.7000	20000			
27309.761	1661.8578	16440				27323.703	3650.6756	24240			
27309.943	1661.8274	12840				27323.729	3650.6464	22840			
27309.177	1661.8026	13740				27323.733	3650.6295	19340			
27309.086	1661.6915	22940				27323.855	3650.6295	19340			
27309.369	1661.6628	18640				27323.918	3650.5810	24440			
27309.487	1661.6376	13940				27323.929	3650.5526	16340			
27309.216	1661.5289	16440				27323.949	3650.5367	19740			
27309.326	1661.4874	27540				27323.968	3650.5274	22940			
27309.750	1661.4643	20440				27324.030	3650.4711	20540			
27309.789	1661.4643	20440				27324.080	3650.4519	22040			
27309.789	1661.4643	20440				27324.080	3650.4080	20040			
27309.789	1661.4643	20440				27324.080	3650.3715	22140			

27324 7 0 6 11

27401 6 620 5 11

33570 7 620 6 1

2

31179 4 3804 3 11

31182 2 3628 3 11

33104 6 5790 5 2

27324 7 0 6 11

SIGMA	WL	I PS	CLASSIFICATION	ION	SIGMA	WL	I PS	CLASSIFICATION	ION	SIGMA	WL	I PS	CLASSIFICATION	ION
27327.007	3650.3414	225A0			27329.799	3655.2926	140A0			27329.799	3655.2926	140A0		
27327.170	3650.3196	174A0			27329.920	3655.2764	162B0			27329.920	3655.2764	162B0		
27327.302	3650.3019	171A0			27329.968	3655.2701	150B0			27329.968	3655.2701	150B0		
27327.545	3650.2649	31000 6	4275 6 11		27330.223	3655.2360	246A0			27330.223	3655.2360	246A0		
27327.698	3650.2409	190A0			27330.587	3655.2100	169A0			27330.587	3655.2100	169A0		
27327.928	3650.2315	164A0			27330.870	3655.1910	179A0			27330.870	3655.1910	179A0		
27328.140	3650.1807	147A0			27330.957	3655.1926	193A0			27330.957	3655.1926	193A0		
27328.348	3650.1619	210A0			27330.959	3655.1376	208C8			27330.959	3655.1376	208C8		
27328.569	3650.1382	167A0			27331.074	3655.1223	290A0			27331.074	3655.1223	290A0		
27328.672	3650.1186	183A0			27331.216	3655.1033	281A0			27331.216	3655.1033	281A0		
27328.793	3650.1023	149B0			27331.443	3655.0729	185A0			27331.443	3655.0729	185A0		
27328.936	3650.0832	130A0			27332.068	3654.9894	138A0			27332.068	3654.9894	138A0		
27329.017	3650.0723	132A0			27332.194	3654.9726	162A0			27332.194	3654.9726	162A0		
27329.341	3650.0558	191A0			27332.590	3654.9598	170A0			27332.590	3654.9598	170A0		
27329.494	3650.0035	135C8			27332.829	3654.9238	236A0			27332.829	3654.9238	236A0		
27329.652	3650.9873	205A0			27332.846	3654.9238	261A0			27332.846	3654.9238	261A0		
27329.824	3650.9637	214A0			27332.935	3654.9066	317A0			27332.935	3654.9066	317A0		
27330.112	3650.9257	139B0			27332.972	3654.9006	279A0			27332.972	3654.9006	279A0		
27330.230	3650.9100	159B0			27332.975	3654.8783	299A0			27332.975	3654.8783	299A0		
27330.306	3650.8997	177A0			27332.974	3654.8683	294A0			27332.974	3654.8683	294A0		
27330.512	3650.8782	160A0			27333.184	3654.8403	204A0			27333.184	3654.8403	204A0		
27330.663	3650.8493	189A0			27333.329	3654.8209	204A0			27333.329	3654.8209	204A0		
27330.917	3650.8180	309A0			27333.583	3654.7870	161A0			27333.583	3654.7870	161A0		
27331.209	3650.7789	192A0			27333.578	3654.7743	141B0			27333.578	3654.7743	141B0		
27331.297	3650.7572	176A0			27334.084	3654.7200	161A0			27334.084	3654.7200	161A0		
27331.543	3650.7343	146A0			27334.303	3654.6907	202A0			27334.303	3654.6907	202A0		
27331.699	3650.7133	186A0			27334.446	3654.6716	205A0			27334.446	3654.6716	205A0		
27332.323	3650.6298	205A0			27334.576	3654.6543	185A0			27334.576	3654.6543	185A0		
27332.602	3650.5926	164A0			27334.787	3654.6261	181A0			27334.787	3654.6261	181A0		
27332.708	3650.5783	145A0			27334.822	3654.6080	227C8			27334.822	3654.6080	227C8		
27332.823	3650.5495	132B0			27335.032	3654.5933	311A0			27335.032	3654.5933	311A0		
27333.019	3650.5327	134A0			27335.305	3654.5668	170A0			27335.305	3654.5668	170A0		
27333.107	3650.5247	166A0			27335.405	3654.5436	148A0			27335.405	3654.5436	148A0		
27333.337	3650.4942	162A0			27335.511	3654.5159	178A0			27335.511	3654.5159	178A0		
27333.497	3650.4727	222A0			27335.907	3654.4764	268A0			27335.907	3654.4764	268A0		
27333.617	3650.4566	174A0			27335.954	3654.4568	146B0			27335.954	3654.4568	146B0		
27333.724	3650.4418	192A0			27336.351	3654.4172	207A0			27336.351	3654.4172	207A0		
27333.867	3650.4242	159A0			27336.511	3654.3958	156B0			27336.511	3654.3958	156B0		
27334.074	3650.3950	259A0			27336.567	3654.3842	163A0			27336.567	3654.3842	163A0		
27334.605	3650.3512	162A0			27336.882	3654.3492	134A0			27336.882	3654.3492	134A0		
27334.651	3650.3194	293A0			27337.033	3654.3260	149A0			27337.033	3654.3260	149A0		
27334.723	3650.3007	245A0			27337.170	3654.3077	205C8			27337.170	3654.3077	205C8		
27334.913	3650.2733	158A0			27337.279	3654.2931	285A0			27337.279	3654.2931	285A0		
27334.966	3650.2722	139A0			27337.375	3654.2803	196C8			27337.375	3654.2803	196C8		
27335.094	3650.2596	130B0			27337.521	3654.2609	154A0			27337.521	3654.2609	154A0		
27335.176	3650.2481	131A0			27337.745	3654.2309	158A0			27337.745	3654.2309	158A0		
27335.493	3650.2057	151A2			27337.971	3654.2008	150A0			27337.971	3654.2008	150A0		
27335.522	3650.2018	150A0			27338.110	3654.1810	189C8			27338.110	3654.1810	189C8		
27335.621	3650.1866	171A0			27338.522	3654.1271	268A0			27338.522	3654.1271	268A0		
27335.770	3650.1666	134B0			27338.856	3654.1052	174A0			27338.856	3654.1052	174A0		
27335.911	3650.1498	174A0			27338.804	3654.0874	149A0			27338.804	3654.0874	149A0		
27336.114	3650.1294	145A0			27338.959	3654.0688	179C8			27338.959	3654.0688	179C8		
27336.251	3650.1162	195C0			27339.071	3654.0539	259A0			27339.071	3654.0539	259A0		
27336.359	3650.1092	289A0			27339.179	3654.0394	228A0			27339.179	3654.0394	228A0		
27336.524	3650.1078	195C8			27339.374	3654.0133	201A0			27339.374	3654.0133	201A0		
27336.630	3650.0926	157A0			27339.776	3653.9597	193B0			27339.776	3653.9597	193B0		
27336.846	3650.0747	139B0			27339.855	3653.9491	156B0			27339.855	3653.9491	156B0		
27336.959	3650.0695	209A0			27339.999	3653.9145	144B0			27339.999	3653.9145	144B0		
27337.295	3650.0666	204A0			27340.192	3653.9041	181B0			27340.192	3653.9041	181B0		
27337.410	3650.0492	224C8			27340.265	3653.8810	155A0			27340.265	3653.8810	155A0		
27337.522	3650.0343	304A0												



SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
27360.534	1653.8584	15420	27372.502	3652.2608	133A0	27383.643	3650.7749	130C8
27360.691	1653.8374	149A0	27372.787	3652.2228	135A0	27383.739	3650.7620	121A0
27360.871	1653.8134	195A0	27372.970	3652.1984	154A0	27384.077	3650.7170	163A0
27361.264	1653.7610	170A0	27373.270	3652.1583	151A0	27384.200	3650.7006	184B0
27361.461	1653.7346	192A0	27373.377	3652.1440	156A0	27384.358	3650.6796	272A0
27361.605	1653.7154	125A0	27373.484	3652.1298	198A0	27384.521	3650.6698	211C8
27361.988	1653.6649	177A0	27373.732	3652.0747	223A0	27384.553	3650.6536	191B0
27362.181	1653.6345	282A0	27373.873	3652.0541	272C8	27384.592	3650.6463	17180
27362.289	1653.6281	209A0	27373.976	3652.0641	330A0	27384.699	3650.6340	162A0
27362.524	1653.5925	154A0	27374.102	3652.0394	245A0	27384.800	3650.6208	153A0
27362.591	1653.5801	137A0	27374.260	3652.0243	205C8	27385.511	3650.5458	236A0
27362.618	1653.5693	172A0	27374.342	3652.0154	145B0	27385.623	3650.5109	193A0
27362.786	1653.5577	127A0	27374.644	3651.9750	220A0	27385.932	3650.4697	136B0
27362.957	1653.5348	245A0	27374.789	3651.9556	267A0	27386.090	3650.4487	153A0
27363.036	1653.5243	196C8	27374.911	3651.9354	244C8	27386.223	3650.4313	143A0
27363.184	1653.5046	151A0	27375.058	3651.9161	319A0	27386.341	3650.4153	125B0
27363.382	1653.4781	154B0	27375.232	3651.8979	198C8	27386.491	3650.3952	123B0
27363.481	1653.4649	204A0	27375.356	3651.8841	171A0	27386.742	3650.3617	226A0
27363.604	1653.4485	265A0	27375.537	3651.8559	122A0	27386.968	3650.3316	290A0
27363.731	1653.4316	194A0	27375.608	3651.8465	189C8	27387.127	3650.3104	174C4
27363.831	1653.4181	214A0	27375.708	3651.8331	157C8	27387.272	3650.2911	194A0
27364.093	1653.3932	156A0	27376.162	3651.7725	138A0	27387.557	3650.2531	169A0
27364.275	1653.3588	149B0	27376.286	3651.7560	173A0	27387.659	3650.2395	168A0
27364.368	1653.3464	170A0	27376.585	3651.7161	201A0	27387.954	3650.2002	255A0
27364.478	1653.3318	201A0	27376.702	3651.7005	255A0	27388.259	3650.1595	232A0
27364.561	1653.3207	151B0	27376.929	3651.6702	244A0	27388.528	3650.1234	224A0
27364.517	1653.2865	148A0	27377.121	3651.6446	145A0	27388.648	3650.1177	228A0
27364.934	1653.2709	181A0	27377.353	3651.6163	213C8	27388.775	3650.0908	173A0
27365.157	1653.2411	209A0	27377.403	3651.6070	235A0	27388.929	3650.0763	156A0
27365.401	1653.1985	326A0	27377.693	3651.5683	295A0	27389.063	3650.0524	160A0
27365.673	1653.1722	190A0	27377.921	3651.5366	319A0	27389.199	3650.0343	167A0
27365.868	1653.1462	209A0	27378.042	3651.5218	245C8	27389.546	3649.9880	167C8
27366.108	1653.1142	177A0	27378.100	3651.5034	176A0	27389.678	3649.9704	203C8
27366.616	1653.0463	145A0	27378.301	3651.4872	150C8	27389.789	3649.9556	293A0
27366.985	1652.9971	159A0	27378.414	3651.4721	194A0	27390.046	3649.9213	146A0
27367.086	1652.9836	168A0	27378.536	3651.4559	204C8	27390.250	3649.8942	159A0
27367.320	1652.9524	133B0	27378.667	3651.4384	281A0	27390.522	3649.8566	259A0
27367.675	1652.9050	141A0	27378.748	3651.4274	252A0	27390.652	3649.8366	184A0
27368.037	1652.8567	203A0	27379.093	3651.3816	145A0	27390.829	3649.8171	161A0
27368.354	1652.8131	142A0	27379.357	3651.3463	235A0	27393.901	3649.8075	145C8
27368.851	1652.7481	162A0	27379.473	3651.3309	237A0	27391.283	3649.7566	189A0
27369.018	1652.7268	144A0	27379.788	3651.2889	136A0	27391.381	3649.7435	184C8
27369.216	1652.6959	144A0	27379.910	3651.2726	153A0	27391.494	3649.7284	260A0
27369.302	1652.6879	135C8	27380.150	3651.2406	276A0	27391.664	3649.7058	194A0
27369.388	1652.6563	139A0	27380.514	3651.1920	132A0	27392.069	3649.6518	200A0
27369.753	1652.6276	143B0	27380.710	3651.1659	151B0	27392.200	3649.6344	187A0
27370.145	1652.5754	130A0	27380.813	3651.1522	205A0	27392.259	3649.6265	174A0
27370.489	1652.5294	165A0	27380.954	3651.1334	134A0	27392.259	3649.6017	181C8
27370.572	1652.5183	187A0	27381.124	3651.1107	161A0	27392.454	3649.5851	254A0
27370.739	1652.4961	152A0	27381.407	3651.0730	133B0	27392.570	3649.5659	260A0
27370.972	1652.4650	187A0	27381.544	3651.0547	187C8	27392.714	3649.5569	260A0
27371.106	1652.4471	154B0	27381.544	3651.0547	187C8	27393.159	3649.5066	284A0
27371.193	1652.4368	137B0	27381.653	3651.0402	253A0	27393.159	3649.4646	216A0
27371.376	1652.4110	216A0	27382.316	3650.9518	159B0	27393.675	3649.4379	186A0
27371.526	1652.3910	114A0	27382.387	3650.9423	194A0	27393.821	3649.4184	217A0
27371.803	1652.3541	178A0	27382.556	3650.9197	166B0	27393.932	3649.4036	244A0
27371.929	1652.3372	150A0	27382.666	3650.9051	145A0	27394.044	3649.3887	208A0
27372.051	1652.3196	179A0	27382.947	3650.8676	179A0	27394.044	3649.3746	174B0
27372.158	1652.3067	197A0	27383.151	3650.8405	142A0	27394.150	3649.3746	174B0
27372.346	1652.2816	141B0	27383.271	3650.8244	125B0	27394.150	3649.3153	189A0
27372.400	1652.2745	153A0	27383.419	3650.8048	162A0	27394.637	3649.2831	305A0
						27395.117	3649.2458	168A0

I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION	
SIGMA	WL	SIGMA	WL	SIGMA	WL
27395.431	3649.2039	27404.951	3647.6700	27418.980	3646.0698
27395.707	3648.1672	27407.066	3647.6597	27419.182	3646.0628
27395.733	3648.1910	27407.239	3647.6317	27419.262	3646.0321
27395.992	3648.1292	27407.358	3647.6197	27419.410	3646.0125
27396.147	3648.1086	27407.532	3647.5927	27419.521	3645.9978
27396.236	3648.0967	27407.619	3647.5812	27419.678	3645.9768
27396.331	3648.0940	27407.804	3647.5565	27419.827	3645.9570
27396.434	3648.0703	27408.073	3647.5207	27420.007	3645.9332
27396.609	3648.0470	27408.353	3647.4834	27420.251	3645.9086
27396.814	3648.0196	27408.524	3647.4606	27420.398	3645.8811
27396.927	3648.0047	27408.949	3647.4014	27420.513	3645.8650
27397.078	3648.9845	27409.230	3647.3667	27420.546	3645.8561
27397.211	3648.9668	27409.442	3647.3485	27420.977	3645.8042
27397.320	3648.9523	27409.688	3647.2831	27421.037	3645.7961
27397.501	3648.9282	27409.978	3647.2671	27421.169	3645.7786
27397.665	3648.9084	27410.091	3647.2521	27421.433	3645.7435
27397.891	3648.8763	27410.255	3647.2303	27421.726	3645.7046
27398.051	3648.7950	27410.731	3647.1969	27422.100	3645.6549
27398.550	3648.7985	27410.787	3647.1596	27422.241	3645.6361
27399.023	3648.7295	27410.977	3647.1342	27422.510	3645.6003
27399.476	3648.6746	27411.491	3647.0597	27422.590	3645.5897
27399.823	3648.6651	27411.648	3647.0450	27422.726	3645.5716
27399.903	3648.6216	27411.850	3647.0181	27423.044	3645.5333
27399.978	3648.5848	27412.095	3646.9845	27423.195	3645.5092
27400.226	3648.5674	27412.378	3646.9478	27423.325	3645.4920
27400.350	3648.5474	27412.750	3646.8944	27423.441	3645.4768
27400.544	3648.5227	27412.832	3646.8874	27423.594	3645.4563
27400.931	3648.4714	27412.943	3646.8727	27423.697	3645.4425
27401.551	3648.3989	27413.085	3646.8565	27423.878	3645.4195
27401.707	3648.3681	27413.176	3646.8416	27423.951	3645.4080
27401.829	3648.3318	27413.338	3646.8202	27424.045	3645.3963
27401.875	3648.3057	27413.595	3646.7840	27424.207	3645.3767
27402.154	3648.3006	27413.715	3646.7699	27424.283	3645.3647
27402.379	3648.2846	27413.819	3646.7561	27424.392	3645.3567
27402.591	3648.2566	27414.022	3646.7281	27424.591	3645.3385
27402.591	3648.2505	27414.404	3646.6743	27424.877	3645.2857
27402.754	3648.2287	27414.715	3646.6369	27425.025	3645.2660
27402.872	3648.2130	27414.869	3646.6165	27425.112	3645.2544
27402.953	3648.2022	27414.925	3646.6091	27425.233	3645.2393
27403.132	3648.1784	27415.079	3646.5885	27425.361	3645.2213
27403.263	3648.1910	27415.313	3646.5574	27425.945	3645.1437
27403.381	3648.1453	27415.442	3646.5403	27426.213	3645.1081
27403.474	3648.1329	27415.558	3646.5246	27426.466	3645.0745
27403.632	3648.1118	27415.722	3646.5031	27426.548	3645.0636
27403.769	3648.1016	27415.854	3646.4841	27426.685	3645.0553
27403.909	3648.0863	27416.018	3646.4640	27426.802	3645.0298
27404.216	3648.0340	27416.539	3646.3943	27426.950	3645.0202
27404.501	3647.9962	27416.782	3646.3920	27427.072	3644.9940
27404.749	3647.9632	27416.782	3646.3620	27427.158	3644.9825
27405.032	3647.9254	27416.922	3646.3434	27427.234	3644.9724
27405.203	3647.9027	27417.200	3646.3166	27427.542	3644.9314
27405.322	3647.8869	27417.479	3646.3066	27427.714	3644.9086
27405.458	3647.8714	27417.617	3646.2702	27427.814	3644.8984
27405.669	3647.8407	27417.775	3646.2397	27427.905	3644.8822
27405.801	3647.8231	27417.887	3646.2283	27428.031	3644.8695
27406.132	3647.7780	27417.888	3646.2150	27428.149	3644.8598
27406.241	3647.7645	27418.137	3646.1810	27428.311	3644.8393
27406.615	3647.7148	27418.226	3646.1703	27428.482	3644.8045
27406.828	3647.6867	27418.608	3646.0737	27428.617	3644.7886
27406.828	3647.6867	27418.915	3646.0783	27428.876	3644.7442

7005 6 1

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SIGMA	WL	I PS CLASSIFICATION IOM	SIGMA	WL	I PS CLASSIFICATION IOM	SIGMA	WL	I PS CLASSIFICATION IOM
27429.07	1644.7368	163A0	27440.943	3643.1514	173B0	27452.478	3641.6206	161A0
27429.155	1644.7171	161B0	27441.313	3643.1023	159C8	27452.677	3641.5942	142C8
27429.464	1644.6641	266A0	27441.368	3643.0924	181B0	27452.601	3641.5777	231A0
27429.858	1644.6237	164A0	27441.453	3643.0637	206C8	27452.941	3641.5591	153A0
27430.247	1644.5720	171A0	27441.500	3643.0595	279A0	27453.138	3641.5530	123A0
27430.656	1644.5177	124B0	27441.908	3643.0233	196B0	27453.542	3641.4795	164A0
27430.793	1644.4895	182A0	27442.268	3642.9755	138A0	27453.661	3641.4636	252A0
27430.906	1644.4865	197A0	27442.570	3642.9333	238A0	27453.768	3641.4494	302A0
27431.050	1644.4654	127C8	27442.770	3642.9049	205A0	27453.916	3641.4299	186C8
27431.276	1644.4326	126B0	27442.894	3642.8924	171C8	27454.044	3641.4128	164A0
27431.506	1644.4048	168B0	27443.031	3642.8742	201C8	27454.248	3641.3858	163A0
27431.617	1644.3901	169A0	27443.137	3642.8602	251A0	27454.825	3641.3093	235A0
27431.727	1644.3754	266A0	27443.325	3642.8352	201A0	27455.109	3641.2716	165A0
27431.823	1644.3626	264A0	27443.493	3642.8128	194C8	27455.215	3641.2576	158B0
27431.968	1644.3433	178B0	27443.682	3642.7878	197C8	27455.315	3641.2442	204A0
27432.051	1644.3323	178B0	27443.781	3642.7744	249A0	27455.415	3641.2328	206C8
27432.174	1644.3224	182A0	27443.877	3642.7619	204B0	27455.578	3641.2268	263A0
27432.285	1644.3065	182A0	27443.983	3642.7479	191A0	27455.748	3641.1969	231A0
27432.489	1644.2768	271A0	27444.122	3642.7294	139C8	27455.999	3641.1536	314A0
27432.624	1644.2562	296C8	27444.152	3642.7294	139C8	27456.274	3641.1171	161A0
27432.740	1644.2422	327A0	27444.421	3642.7061	129C8	27456.368	3641.1046	135A0
27432.869	1644.2210	252C8	27444.502	3642.6790	145A0	27456.534	3641.0826	156B0
27433.033	1644.2019	260A0	27444.734	3642.6441	149A0	27456.818	3641.0449	203A0
27433.171	1644.1815	215A0	27445.137	3642.5847	149A0	27456.930	3641.0302	231C8
27433.382	1644.1555	214A0	27445.436	3642.5550	227A0	27457.027	3641.0172	271A0
27433.657	1644.1230	164A0	27445.716	3642.5174	181A0	27457.218	3640.9919	171A0
27433.757	1644.1058	199A0	27445.885	3642.4854	193A0	27457.338	3640.9760	222C8
27433.897	1644.0871	160B0	27446.077	3642.4599	279C8	27457.470	3640.9584	266A0
27434.023	1644.0704	152B0	27446.193	3642.4345	259A0	27457.581	3640.9437	318A0
27434.124	1644.0585	174A0	27446.309	3642.4272	313A0	27457.697	3640.9019	279A0
27434.257	1644.0392	188A0	27446.568	3642.4061	205C8	27458.180	3640.8643	134C8
27434.387	1644.0221	168A0	27446.668	3642.3915	235A0	27458.364	3640.8400	154A0
27434.705	1643.9798	202A0	27446.836	3642.3691	174B0	27458.514	3640.8201	162A0
27435.270	1643.9047	168B0	27446.931	3642.3565	194A0	27459.627	3640.8051	174A0
27435.411	1643.8860	198B0	27447.102	3642.3318	215A0	27459.761	3640.7847	176B0
27435.539	1643.8690	207C8	27447.200	3642.3090	140B0	27459.963	3640.7605	208A0
27435.657	1643.8534	284A0	27447.481	3642.2842	189A0	27459.010	3640.7383	298A0
27435.777	1643.8374	284A0	27447.730	3642.2595	129B0	27459.402	3640.7023	279A0
27435.993	1643.8101	182A0	27447.876	3642.2312	148A0	27459.560	3640.6814	195A0
27436.356	1643.7605	185A0	27447.991	3642.2199	169A0	27459.693	3640.6638	146C8
27436.854	1643.6944	177A0	27448.038	3642.2097	169A0	27459.902	3640.6360	176A0
27437.042	1643.6694	217A0	27448.251	3642.1815	209A0	27460.106	3640.6090	151A0
27437.505	1643.6079	150A0	27448.445	3642.1557	191A0	27460.283	3640.5855	144A0
27437.695	1643.5826	144A0	27448.970	3642.0840	171A0	27460.539	3640.5515	157A0
27437.772	1643.5724	144A0	27449.086	3642.0706	190A0	27460.642	3640.5380	176A0
27437.961	1643.5474	119B0	27449.208	3642.0518	196A0	27460.801	3640.5168	178A0
27438.156	1643.5163	194A0	27449.345	3642.0362	295A0	27461.012	3640.4889	261A0
27438.374	1643.4978	164A0	27449.446	3642.0203	260A0	27461.164	3640.4697	188A0
27438.445	1643.4764	166A0	27449.682	3641.9941	124A0	27461.251	3640.4572	185A0
27438.789	1643.4454	214A0	27449.750	3641.9075	239A0	27461.434	3640.4330	130A0
27439.922	1643.4157	111A0	27450.074	3641.9369	160A0	27461.559	3640.4163	150A0
27439.955	1643.4020	104A0	27450.272	3641.9132	132B0	27461.680	3640.4002	134A0
27439.220	1643.3802	182A0	27450.662	3641.8615	192A0	27461.841	3640.3789	135A0
27439.280	1643.3722	191A0	27450.973	3641.8202	159A0	27462.168	3640.3355	151A0
27439.310	1643.3589	162A0	27451.098	3641.8037	141A0	27462.263	3640.3230	139B0
27439.705	1643.3198	144A0	27451.385	3641.7683	149A0	27462.433	3640.3005	172A0
27440.058	1643.2676	181A0	27451.649	3641.7379	174B0	27462.548	3640.2853	151A0
27440.282	1643.2498	185C8	27451.882	3641.7117	158A0	27462.988	3640.2499	145A0
27440.365	1643.2330	241A0	27452.381	3641.6334	119C8	27463.090	3640.2134	133A0
						27463.403	3640.1719	149A0

SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION
27663.591	3640.1470	20540	27475.269	3639.5997	20240	27486.048	3637.1727	23240
27663.866	3640.1105	18140	27475.404	3639.5018	22920	27486.236	3637.1479	19940
27664.936	3640.0860	16340	27475.516	3639.5047	31340	27486.376	3637.1393	18020
27664.206	3640.0655	15540	27475.605	3639.5553	23320	27486.480	3637.1156	24340
27664.262	3640.0581	15290	27475.749	3639.5362	18540	27486.595	3637.1004	24840
27664.484	3640.0284	22040	27476.220	3639.4738	18840	27487.045	3637.0400	13680
27664.771	3639.9906	13540	27476.331	3639.4561	22340	27487.268	3637.0113	1940
27665.104	3639.9459	13340	27476.514	3639.4362	22440	27487.328	3637.0034	19340
27665.214	3639.9199	13240	27476.714	3639.4002	15500	27487.518	3636.9782	16840
27665.305	3639.9199	13240	27476.865	3639.3894	20340	27487.711	3636.9527	13220
27665.378	3639.9101	13440	27477.126	3639.3566	15940	27487.818	3636.9386	19940
27665.622	3639.3178	13760	27477.225	3639.3407	17340	27487.918	3636.9253	13520
27665.631	3639.8235	17440	27477.330	3639.3268	15740	27488.201	3636.8879	14220
27666.001	3639.8144	16240	27477.403	3639.3172	14640	27488.302	3636.8745	21540
27666.264	3639.7927	15140	27477.586	3639.2966	19140	27488.492	3636.8494	16440
27666.520	3639.7588	27840	27477.761	3639.2694	22540	27488.596	3636.8352	15840
27666.861	3639.7136	23040	27477.947	3639.2513	16740	27488.823	3636.8057	17580
27667.035	3639.6965	18020	27478.057	3639.2306	26640	27488.894	3636.7611	19340
27667.152	3639.6741	19940	27478.167	3639.2133	29020	27489.055	3636.7449	17840
27667.461	3639.6440	22940	27478.289	3639.1946	33240	27489.147	3636.7427	17340
27667.659	3639.6088	17940	27478.542	3639.1910	32240	27489.250	3636.7491	16540
27667.947	3639.5997	20040	27478.671	3639.1493	26520	27489.519	3636.7135	19440
27668.137	3639.5445	16240	27478.871	3639.1228	19780	27489.644	3636.6969	18040
27668.322	3639.5200	22140	27479.058	3639.0960	19240	27489.848	3636.6700	23640
27668.566	3639.4877	32340	27479.173	3639.0928	15780	27490.043	3636.6442	17440
27668.876	3639.4652	20820	27479.297	3639.0644	15840	27490.165	3636.6281	19440
27669.076	3639.4362	23140	27479.570	3639.0303	20340	27490.300	3636.6102	12840
27669.329	3639.3945	21140	27479.639	3639.0211	21240	27490.488	3636.5953	19740
27670.955	3639.2804	27840	27479.728	3639.0094	16240	27490.664	3636.5820	12980
27670.308	3639.2569	21840	27480.105	3639.9595	16420	27490.775	3636.5473	16840
27670.370	3639.2369	21840	27480.260	3639.9468	24540	27490.865	3636.5354	19440
27670.461	3639.2287	19840	27480.380	3639.9257	19940	27491.037	3636.5127	21420
27670.714	3639.2267	19440	27480.662	3639.8856	17640	27491.126	3636.5009	26540
27670.987	3639.1669	18040	27480.947	3639.8477	24740	27491.483	3636.4537	16740
27671.106	3639.1511	22040	27481.213	3639.8127	17140	27491.669	3636.4026	16140
27671.202	3639.1385	25840	27481.376	3639.7911	19040	27492.101	3636.3719	15940
27671.295	3639.1256	19840	27481.458	3639.7803	20540	27492.305	3636.3450	19740
27671.504	3639.0979	15740	27481.635	3639.7569	16740	27492.448	3636.3260	23620
27671.610	3639.0544	13340	27481.820	3639.7324	14180	27492.553	3636.3122	30340
27671.809	3639.0283	15740	27481.956	3639.7144	19340	27492.714	3636.2909	19180
27671.903	3639.0255	17140	27482.119	3639.6928	19320	27492.609	3636.2782	18840
27672.032	3639.0245	17440	27482.225	3639.6784	25740	27492.927	3636.2626	16640
27672.145	3639.0136	14720	27482.449	3639.6491	16940	27493.230	3636.2226	16340
27672.777	3639.9288	16940	27482.628	3639.6254	16340	27493.423	3636.1972	16420
27673.004	3639.8937	15020	27482.899	3639.5909	17340	27493.506	3636.1861	18440
27673.096	3639.8871	18240	27683.120	3639.5735	21020	27493.635	3636.1626	16840
27673.166	3639.8743	19240	27683.503	3639.5606	30840	27493.944	3636.1282	16340
27673.308	3639.8549	15640	27683.639	3639.5431	23840	27494.000	3636.1000	15680
27673.473	3639.8200	15440	27683.966	3639.4915	23840	27494.252	3636.0874	14440
27673.949	3639.7746	15180	27684.168	3639.4216	20340	27494.387	3636.0896	23620
27674.120	3639.7520	17340	27684.360	3639.3961	17640	27494.499	3636.0547	32140
27674.236	3639.7369	13280	27684.509	3639.3764	14140	27494.665	3636.0328	17880
27674.336	3639.7235	18240	27684.663	3639.3561	17740	27494.780	3636.0177	17540
27674.426	3639.7114	17340	27684.947	3639.3185	13080	27494.867	3636.0061	16680
27674.509	3639.7005	15040	27685.205	3639.2843	14540	27495.098	3635.9756	15440
27674.649	3639.6819	14780	27685.341	3639.2664	16240	27495.098	3635.9383	24340
27674.885	3639.6507	24540	27685.040	3639.2466	16540	27495.593	3635.9101	22740
27675.037	3639.6235	26420	27685.798	3639.2288	20340	27495.888	3635.8711	21740
27675.149	3639.6137	26040	27685.917	3639.1701	16620	27496.108	3635.8420	14440
						27496.300	3635.8158	22540

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
27496.552	1635.7813	273A	27510.421	3613.9503	283A0	27526.422	3631.8088	214C0
27496.817	1635.7682	167A0	27510.766	3613.9021	179B0	27527.012	3631.7900	162C8
27497.080	1635.7135	304A0	27511.265	3613.8386	222A0	27527.216	3631.7331	232B0
27497.201	1635.6974	214C0	27512.917	3613.6206	227A0	27527.467	3631.7000	300A0
27497.390	1635.5725	190B0	27513.015	3613.6077	190B0	27528.255	3631.5961	260A0
27497.697	1635.6319	190B0	27513.300	3613.5701	154C8	27528.429	3631.5731	192A0
27498.163	1635.6091	154C8	27513.392	3613.5579	160A0	27528.620	3631.5478	154B0
27498.133	1635.5743	263A0	27513.836	3613.4903	191B0	27528.796	3631.5246	154B0
27498.413	1635.5372	137C0	27514.183	3613.4535	170B0	27529.132	3631.4803	163B0
27498.638	1635.5075	136A0	27514.701	3613.3950	205B0	27529.257	3631.4538	162B0
27498.771	1635.4808	147C8	27514.565	3613.4029	201B0	27529.472	3631.4384	157B0
27498.963	1635.4645	179B0	27514.698	3613.3590	245A0	27529.872	3631.3392	174B0
27499.137	1635.4415	172C8	27515.244	3613.3131	279B0	27530.202	3631.3392	174B0
27499.270	1635.4240	259B0	27515.244	3613.3131	279B0	27530.453	3631.3061	154C8
27499.387	1635.4085	267A0	27515.361	3613.2953	259A0	27531.055	3631.2267	202A0
27499.534	1635.3890	314A0	27515.611	3613.2625	263A0	27531.148	3631.2144	188B0
27499.835	1635.3492	186A0	27515.801	3613.2395	196B0	27531.411	3631.1797	177B0
27499.991	1635.3296	221B0	27515.801	3613.2395	196B0	27531.918	3631.1128	163B0
27500.241	1635.2956	333A0	27516.042	3613.2090	194B0	27532.514	3631.0342	198A0
27500.408	1635.2735	223B0	27516.171	3613.1909	169B0	27532.709	3631.0085	177B0
27500.530	1635.2574	215C8	27516.482	3613.1498	194C8	27532.709	3631.0085	177B0
27500.647	1635.2366	240A0	27516.627	3613.1307	227B0	27532.816	3630.9944	216B0
27500.841	1635.2192	181B0	27516.810	3613.1066	294A0	27533.018	3630.9878	168B0
27500.949	1635.2040	164B0	27516.956	3613.0973	241B0	27533.190	3630.9450	163B0
27501.188	1635.1703	177B0	27517.079	3613.0710	195B0	27533.487	3630.9059	153B0
27501.666	1635.1072	254A0	27517.387	3613.0303	196B0	27533.760	3630.8699	264A0
27501.743	1635.0971	214B0	27517.628	3612.9722	216B0	27534.394	3630.7863	282A0
27501.812	1635.0879	204B0	27518.122	3612.9313	197C8	27534.665	3630.7505	255A0
27501.928	1635.0726	198B0	27518.440	3612.8713	194C8	27534.826	3630.7294	303B0
27502.029	1635.0593	167B0	27518.593	3612.8112	268A0	27535.171	3630.6838	179B0
27502.258	1635.0290	194B0	27518.757	3612.7695	247A0	27535.412	3630.6520	241A0
27502.392	1635.0112	202B0	27519.055	3612.7011	154C8	27535.712	3630.6156	203B0
27502.505	1634.9963	244A0	27519.183	3612.6732	203B0	27535.825	3630.5713	175B0
27502.559	1634.9759	161B0	27519.541	3612.7460	162B0	27536.274	3630.5364	171B0
27503.371	1634.8818	161B0	27519.800	3612.7118	209A0	27536.579	3630.4982	173B0
27503.478	1634.8677	184C8	27519.961	3612.6795	176B0	27536.947	3630.4497	180B0
27503.628	1634.8479	267A0	27520.091	3612.6734	198B0	27537.222	3630.4134	224A0
27504.449	1634.7393	199B0	27520.210	3612.6576	206B0	27537.449	3630.3835	169B0
27504.742	1634.7086	214B0	27520.425	3612.6293	176B0	27537.626	3630.3501	206B0
27504.808	1634.6719	205B0	27520.664	3612.5977	156B0	27537.905	3630.3233	277A0
27505.081	1634.6558	239A0	27520.895	3612.5673	196B0	27538.100	3630.2977	164C8
27505.249	1634.6337	176B0	27521.141	3612.5348	319A0	27538.505	3630.2443	264A0
27505.552	1634.5937	268C8	27521.685	3612.4866	208B0	27538.901	3630.1721	166B0
27505.732	1634.5639	291A0	27521.860	3612.4667	229B0	27539.045	3630.1731	215B0
27505.863	1634.5525	294A0	27522.507	3612.3545	162B0	27539.198	3630.1529	193B0
27506.198	1634.5062	239B0	27522.815	3612.3139	211B0	27539.596	3630.1005	198B0
27506.335	1634.4902	251B0	27523.090	3612.2776	170B0	27539.810	3630.0722	224A0
27506.517	1634.4661	184B0	27523.572	3612.2119	227A0	27540.065	3630.0387	153B0
27506.967	1634.4067	152C8	27523.740	3612.1918	216B0	27540.307	3630.0067	235A0
27507.124	1634.3859	181B0	27524.073	3612.1478	211B0	27540.949	3629.9221	163C8
27507.482	1634.3386	232A0	27524.345	3612.1119	196B0	27541.210	3629.8877	262A0
27507.663	1634.3147	199B0	27524.602	3612.0760	169B0	27541.755	3629.8687	173B0
27507.988	1634.2718	222B0	27524.812	3612.0497	166B0	27541.722	3629.8292	224A0
27508.735	1634.1730	164B0	27524.812	3612.0497	166B0	27541.930	3629.7926	173B0
27508.917	1634.1490	187B0	27525.142	3612.0068	162B0	27543.019	3629.6495	207B0
27509.017	1634.1355	178B0	27525.600	3612.9663	196B0	27543.141	3629.6332	193B0
27509.019	1634.1155	198B0	27525.814	3612.9181	205B0	27543.407	3629.5982	202B0
27509.172	1634.1153	198B0	27525.922	3612.9038	230A0	27543.488	3629.5875	230A0
27509.429	1634.0814	306A0	27526.280	3612.8566	164C0	27544.051	3629.5133	189B0
27510.078	1633.9957	195B0	27526.483	3612.8598	168C0	27544.225	3629.4904	213A0

I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION	
SIGMA	WL	SIGMA	WL	SIGMA	WL
27544.373	1629.4709	27561.666	3627.1936	27579.288	3624.8760
27544.549	1629.4477	27562.050	3627.1430	27579.513	3624.8460
27544.736	1629.4230	27562.347	3627.1039	27579.630	3624.8309
27544.899	1629.4014	27562.431	3627.0943	27579.762	3624.8136
27545.012	1629.3867	27562.893	3627.0400	27580.040	3624.7770
27545.213	1629.3523	27563.186	3626.9935	27580.279	3624.7457
27546.070	1629.2459	27563.338	3626.9736	27580.381	3624.7323
27546.224	1629.2271	27563.639	3626.9339	27580.621	3624.7007
27546.586	1629.1793	27563.955	3626.8723	27580.748	3624.6840
27547.554	1629.0517	27564.130	3626.8603	27581.458	3624.6187
27547.796	1629.0199	27564.603	3626.8071	27581.498	3624.5854
27548.547	1629.0110	27564.908	3626.7670	27581.564	3624.5168
27548.547	1629.9210	27565.298	3626.7157	27581.666	3624.5634
27548.680	1629.9035	27565.766	3626.6550	27581.757	3624.5514
27548.789	1629.8891	27566.412	3626.5991	27582.063	3624.5112
27549.154	1629.8404	27566.412	3626.5392	27582.316	3624.4779
27549.417	1629.8064	27567.102	3626.4793	27582.606	3624.4135
27550.070	1629.7686	27567.508	3626.4249	27583.187	3624.3636
27550.159	1629.7686	27567.508	3626.4249	27583.324	3624.3455
27550.272	1629.6938	27567.769	3626.3906	27583.583	3624.3114
27550.408	1629.6758	27568.030	3626.3562	27583.767	3624.2872
27550.829	1629.6204	27568.187	3626.3356	27583.915	3624.2679
27551.068	1629.5863	27568.308	3626.3197	27584.011	3624.2574
27551.240	1629.5663	27568.393	3626.3094	27584.193	3624.2513
27551.985	1629.4681	27568.495	3626.2951	27584.368	3624.2083
27552.155	1629.4458	27568.889	3626.2433	27584.823	3624.1486
27552.435	1629.4064	27569.162	3626.2074	27585.165	3624.1037
27552.882	1629.3499	27569.250	3626.1958	27585.964	3623.9987
27553.198	1629.3094	27569.562	3626.1547	27585.964	3623.9987
27554.178	1629.1794	27569.734	3626.1321	27586.166	3623.9720
27554.429	1629.1463	27570.035	3626.0925	27586.299	3623.9546
27554.563	1629.1286	27570.659	3626.0105	27587.001	3623.8624
27554.934	1629.0797	27570.820	3625.9893	27587.232	3623.8320
27555.137	1629.0531	27570.972	3625.9659	27587.446	3623.8040
27555.461	1629.0105	27571.047	3625.9581	27587.749	3623.7690
27555.745	1627.9724	27571.205	3625.9384	27588.079	3623.7607
27555.948	1627.9488	27571.498	3625.9120	27588.261	3623.6968
27556.173	1627.9166	27571.574	3625.8901	27588.062	3623.5917
27556.356	1627.8926	27571.971	3625.8379	27589.711	3623.5064
27556.586	1627.8623	27572.772	3625.7326	27589.978	3623.4714
27556.803	1627.8337	27573.048	3625.6963	27590.110	3623.4540
27557.128	1627.7910	27573.722	3625.6077	27590.214	3623.4404
27557.332	1627.7541	27573.986	3625.5730	27590.963	3623.3420
27557.446	1627.7490	27574.141	3625.5526	27591.759	3623.2375
27557.594	1627.7382	27574.377	3625.5371	27591.759	3623.2375
27557.822	1627.6996	27574.577	3625.5214	27592.074	3623.1830
27557.968	1627.6803	27574.988	3625.5046	27592.286	3623.1682
27558.088	1627.6656	27575.594	3625.4930	27592.502	3623.1400
27558.239	1627.6368	27575.774	3625.4706	27592.652	3623.1202
27558.455	1627.6162	27575.161	3625.4184	27592.821	3623.0981
27558.608	1627.5960	27575.478	3625.3767	27593.130	3623.0574
27559.019	1627.5420	27575.669	3625.3516	27593.300	3623.0424
27559.351	1627.4983	27575.994	3625.3090	27593.401	3623.0219
27559.462	1627.4837	27576.263	3625.2736	27593.539	3623.0317
27559.700	1627.4523	27576.714	3625.2142	27593.648	3622.9895
27559.815	1627.4372	27577.040	3625.1661	27594.005	3622.9425
27560.168	1627.3861	27577.639	3625.0926	27594.259	3622.9062
27560.314	1627.3716	27577.639	3625.0926	27594.349	3622.8874
27560.556	1627.3368	27578.889	3624.9284	27594.645	3622.8586
27561.070	1627.2720	27579.045	3624.9079	27594.760	3622.8434
27561.483	1627.2176	27579.158	3624.8930	27595.115	3622.7969

SIGMA	HL	I PS	CLASSIFICATION	ION	SIGMA	HL	I PS	CLASSIFICATION	ION	SIGMA	HL	I PS	CLASSIFICATION	ION
27595.265	1622.7771	16090			27611.532	3620.648	16780			27628.775	3618.3831	23540		
27595.438	1622.7544	2238C			27611.922	3620.5916	17180			27629.852	3619.3206	20680		
27595.601	1622.7331	2318D			27612.191	3620.5563	27140			27630.333	3618.2969	19780		
27595.867	1622.6987	3334A		31871 6	27612.470	3620.5198	19280			27630.526	3619.2847	1608C		
27596.009	1622.6795	2628D			27612.568	3620.5049	19180			27630.938	3618.2307	21840		
27596.152	1622.6677	2098D			27612.677	3620.4937	18780			27630.016	3618.2206	20780		
27596.253	1622.6475	1858C			27612.891	3620.4666	21580			27630.130	3618.2088	17080		
27596.528	1622.6114	2428D			27613.108	3620.4311	17880			27630.322	3618.1805	23080		
27596.715	1622.5847	1738D			27613.199	3620.4282	20880			27630.428	3618.1666	22840		
27596.938	1622.5575	2088D			27613.538	3620.3798	16780			27630.781	3618.1204	18180		
27597.792	1622.4434	1948D			27613.799	3620.3455	16280			27630.992	3618.0927	17280		
27597.995	1622.4228	1918D			27613.900	3620.3323	17480			27631.119	3618.0761	16880		
27598.083	1622.4071	2124D			27614.697	3620.2279	26480			27631.451	3618.0327	21480		
27598.334	1622.3743	2394D			27614.852	3620.2075	16180			27631.921	3617.9711	15482		
27598.727	1622.3227	1808D			27614.983	3620.1903	18480			27632.190	3617.9358	22140		
27598.974	1622.2903	2854D			27615.247	3620.1557	27080			27632.336	3617.9167	17680		
27599.171	1622.2663	2118D			27615.502	3620.1233	26980			27632.551	3617.9017	1618C		
27599.411	1622.2399	2404D			27615.795	3620.0838	34380	27615 6	n 6 11	27632.903	3617.8455	21580		
27599.688	1622.2228	1878D			27615.946	3620.0641	26180			27633.622	3617.7485	17180		
27599.743	1622.1952	1908D			27616.079	3620.0468	23880			27634.210	3617.6714	23280		
27599.847	1622.1757	1748D			27616.180	3620.0333	20980			27634.271	3617.6634	2178C		
27600.322	1622.1134	1808D			27616.397	3620.0049	20380			27634.578	3617.6232	30340	31435 7	3088 7 11
27600.416	1622.1010	2148D			27616.498	3619.9916	1718C			27634.665	3617.6119	25080		
27600.717	1622.0615	2714D			27616.642	3619.9759	17480			27635.060	3617.5601	28740		
27600.890	1622.0387	2774D	27600 7	0 6 11	27616.832	3619.9479	19580			27635.437	3617.5107	2168C		
27601.730	1621.9205	1958D			27617.139	3619.9077	18780			27635.800	3617.4894	30540	34739 4	7103 3 11
27601.952	1621.8994	2048D			27617.615	3619.8453	14980			27635.825	3617.4599	1948D		
27602.391	1621.8419	1578D			27617.888	3619.8095	2128D			27636.042	3617.4315	20080		
27602.767	1621.7925	1918D			27618.490	3619.7384	1938D			27636.325	3617.3945	16980		
27602.853	1621.7812	2188D			27618.781	3619.6994	24940			27636.577	3617.3589	20540		
27603.163	1621.7405	1898D			27618.921	3619.6701	15980			27637.001	3617.3061	15980		
27603.585	1621.6852	2114D			27619.723	3619.5690	2414D			27637.141	3617.2877	18480		
27603.824	1621.6535	2764D			27619.990	3619.5340	17480			27637.601	3617.2275	16780		
27604.064	1621.6223	2359D			27620.343	3619.4877	19480			27637.859	3617.1937	28340		
27604.225	1621.6011	2238D			27620.441	3619.4749	21740			27638.238	3617.1441	17880		
27604.361	1621.5833	1838D			27620.607	3619.4531	17580			27638.300	3617.1360	16680		
27604.524	1621.5620	1788D			27620.768	3619.4321	22940			27638.644	3617.1171	16980		
27604.779	1621.5285	3094D			27621.002	3619.4013	16480			27639.117	3617.0422	22180		
27605.027	1621.4960	2394D			27621.265	3619.3645	19480			27639.291	3617.0063	18580		
27605.17	1621.4772	1918D			27621.934	3619.3448	25640			27639.837	3616.9349	18480		
27605.280	1621.4433	1698D			27622.134	3619.2539	19780			27639.957	3616.9291	19580		
27605.574	1621.4323	1698D			27622.428	3619.2143	22280			27640.210	3616.8861	22440		
27605.771	1621.4323	1948D			27623.240	3619.1059	18880			27640.210	3616.8861	22440		
27605.771	1621.3983	2744D	27605 6	0 6 11	27623.053	3619.137	30540			27640.363	3616.8660	20440		
27605.923	1621.3784	1568C			27623.732	3619.0436	15480			27640.740	3616.8155	19280		
27606.366	1621.3177	2348D			27623.917	3619.0195	19480			27640.949	3616.7894	20880		
27606.817	1621.2612	1928D			27624.075	3619.9987	16080			27641.203	3616.7562	22740	27930 6	289 5 22
27606.955	1621.2430	1974D			27624.173	3618.9868	18880			27641.371	3616.7341	21480		
27607.363	1621.1895	1668D			27624.742	3618.9113	19980			27641.594	3616.7050	23380		
27607.475	1621.1748	1678D			27625.386	3618.8230	20780			27641.845	3616.6721	33340	26262 5	629 5 11
27607.594	1621.1592	1658D			27625.868	3618.7639	16580			27642.014	3616.6500	22528		
27608.294	1621.0306	2874D			27626.004	3618.7469	1498C			27642.131	3616.6348	17180		
27608.910	1621.0067	1798D			27626.330	3618.7033	28040			27642.296	3616.6132	16380		
27609.377	1620.9254	2524D			27626.672	3618.6585	31440			27642.499	3616.5865	24580		
27609.645	1620.8902	2634D			27626.931	3618.6245	25980			27642.575	3616.5766	24980		
27609.916	1620.8547	1878C			27627.269	3618.5804	22080			27643.262	3616.4867	18280		
27609.995	1620.8443	2128D			27627.337	3618.5715	21380			27643.781	3616.4188	21580		
27610.545	1620.7722	2474D			27627.608	3618.5057	2228D			27644.066	3616.3816	20080		
27611.778	1620.7177	1788D			27627.904	3618.4972	2318C			27644.327	3616.3631	24580		
27611.303	1620.6728	2678D			27628.027	3618.4811	29140			27644.456	3616.3305	33740	31448 6	3088 7 11

SIGMA	I	PS	CLASSIFICATION	ION	ML	I	PS	CLASSIFICATION	ION	SIGMA	ML	I	PS	CLASSIFICATION	ION
27644.616			3616.3096	245CR	27641.609	3614.0519			15780	27678.090	3611.9359			29040	
27644.744			3616.2929	21580	27661.986	3614.0372			15780	27678.345	3611.9028			16180	
27644.844			3616.2798	19880	27662.227	3614.0072			16480	27678.455	3611.8882			21580	
27644.944			3616.2667	20580	27662.327	3613.9942			23780	27678.884	3611.8323			21580	
27645.199			3616.2334	20480	27662.577	3613.9615			19380	27679.781	3611.7636			28740	
27645.444			3616.2000	27740	27662.861	3613.9244			17640	27679.811	3611.7153			17480	
27645.677			3616.1708	17690	27663.171	3613.8839			15408	27680.060	3611.6789			16480	
27646.251			3616.0956	21140	27663.276	3613.8702			20180	27680.446	3611.6285			20180	
27646.726			3616.0337	19280	27663.411	3613.8525			21708	27680.712	3611.5937			17190	
27646.875			3616.0141	14980	27663.586	3613.8297			29040	27681.146	3611.5372			27640	
27647.353			3615.9515	19480	27664.155	3613.7540			25080	27681.194	3611.4917			16680	
27647.525			3615.9290	17080	27664.267	3613.7477			26240	27681.976	3611.4268			22680	
27648.165			3615.8454	27940	27664.474	3613.7135			16280	27682.226	3611.3962			33540	
27648.426			3615.8112	24840	27665.309	3613.6846			17880	27682.912	3611.3198			16180	
27648.556			3615.7943	17380	27665.400	3613.5927			14780	27683.133	3611.2779			18380	
27649.068			3615.7273	15980	27665.934	3613.5225			17690	27683.439	3611.2367			31340	
27649.245			3615.7041	24740	27666.051	3613.5077			16408	27683.612	3611.2154			18008	
27650.001			3615.6093	21480	27666.169	3613.4923			23340	27683.732	3611.1998			17190	
27650.171			3615.5830	25480	27666.506	3613.4442			21780	27683.939	3611.1858			18780	
27650.429			3615.5453	29640	27667.796	3613.4104			30040	27684.247	3611.1325			28640	
27650.653			3615.5201	33140	27667.042	3613.3763			20780	27684.508	3611.0985			24840	
27650.889			3615.4892	21000	27667.607	3613.3044			16080	27684.958	3611.0390			16000	
27651.131			3615.4576	19100	27667.772	3613.2789			22880	27685.359	3611.0268			14900	
27651.465			3615.4139	26840	27667.978	3613.2540			16880	27685.419	3610.9798			26740	
27651.757			3615.3757	20680	27668.143	3613.2344			24840	27685.573	3611.0052			24140	
27651.910			3615.3558	22980	27668.492	3613.1849			22180	27685.721	3610.9403			24540	
27652.209			3615.3169	29640	27668.655	3613.1675			23180	27686.267	3610.8691			15200	
27652.727			3615.2446	26780	27668.837	3613.1439			25380	27686.436	3610.8471			16280	
27652.912			3615.2246	19720	27669.361	3613.0754			24340	27686.773	3610.8031			20680	
27653.025			3615.2098	26940	27670.004	3612.9949			14808	27687.115	3610.7595			16808	
27653.461			3615.1528	17480	27670.195	3612.9658			26740	27687.230	3610.7344			24240	
27653.547			3615.1416	17280	27670.261	3612.9578			24980	27687.667	3610.7126			17380	
27654.110			3615.0640	17680	27670.346	3612.9468			16980	27687.775	3610.6744			26540	
27654.253			3615.0494	20980	27670.594	3612.9144			21980	27687.843	3610.6636			20380	
27654.581			3615.0065	29640	27670.737	3612.8944			15880	27688.023	3610.6401			19180	
27654.752			3615.0001	17480	27671.237	3612.8304			15780	27688.170	3610.6209			20180	
27655.026			3614.9483	25840	27671.404	3612.8087			20980	27688.507	3610.5770			21680	
27655.300			3614.9124	19140	27671.956	3612.7366			22180	27688.575	3610.5551			28540	
27655.554			3614.8793	26940	27672.236	3612.7000			20540	27688.952	3610.5190			18680	
27655.715			3614.8593	26640	27672.379	3612.6813			23708	27689.220	3610.4840			30640	
27656.162			3614.7998	16180	27672.498	3612.6658			31040	27689.701	3610.4213			23940	
27656.489			3614.7571	19280	27672.644	3612.6468			19180	27689.781	3610.4108			21780	
27656.958			3614.6958	16140	27672.795	3612.6271			14580	27689.836	3610.3254			15300	
27657.194			3614.6448	23580	27673.089	3612.5567			19080	27691.510	3610.1854			20880	
27657.366			3614.6424	17280	27673.339	3612.5561			17380	27691.774	3610.1509			14980	
27657.593			3614.6127	25140	27673.507	3612.5360			14580	27692.037	3610.1167			25340	
27657.872			3614.5815	22840	27673.679	3612.4943			15108	27692.299	3610.0926			26240	
27658.075			3614.4352	30440	27674.290	3612.4319			17380	27692.516	3610.0543			21580	
27659.040			3612.4225	17280	27674.426	3612.4142			21380	27692.679	3610.0070			18580	
27659.152			3614.4090	19280	27674.521	3612.4017			26640	27693.018	3609.9888			25140	
27659.340			3614.3844	22040	27674.835	3612.3607			22280	27693.534	3609.9214			15880	
27659.465			3614.3641	17380	27674.964	3612.3438			24740	27693.772	3609.8966			14880	
27659.661			3614.3425	21680	27675.241	3612.3078			21580	27694.070	3609.8517			20480	
27659.727			3614.3339	22080	27675.584	3612.2659			14880	27694.397	3609.8268			23680	
27659.845			3614.3165	16280	27675.920	3612.2211			21580	27694.947	3609.7960			24140	
27660.202			3614.2708	18480	27676.020	3612.2280			14980	27695.198	3609.7588			21980	
27660.345			3614.2508	20380	27676.293	3612.1717			15208	27695.494	3609.7439			24480	
27660.617			3614.1915	24440	27676.444	3612.1508			16481	27695.792	3609.7021			32840	
27661.105			3614.1548	17180	27676.601	3611.9998			24780	27695.823	3609.7021			32840	
27661.547			3614.0660	18880	27677.601	3611.9998			24780						



SIGMA	I	PS	CLASSIFICATION	ION	SIGMA	WL	I	PS	CLASSIFICATION	ION	SIGMA	WL	I	PS	CLASSIFICATION	ION		
27695.327	1609	6879	27428	2	27713.017	3607	3816	10180		27730.212	3605	1467	16990					
27695.481	1609	6678	30880	2	27713.117	3607	3861	27290		27730.435	3605	1176	20080					
27695.754	1609	6320	19490	33457 4	5762 5	1	27713.319	3607	3843	17780	27730.906	3605	0565	18460				
27695.630	1609	6223	17980		27713.640	3607	3925	20080		27731.026	3605	0408	16428					
27696.027	1609	5927	24940		27713.840	3607	3739	27240		27731.351	3604	9986	18480	32316 6	4885 6 2			
27696.254	1609	5670	26040		27714.149	3607	3764	49880		27731.682	3604	8815	18880					
27696.535	1609	5304	19180		27714.475	3607	3749	40880		27731.972	3604	8439	16580					
27696.736	1609	5174	20580		27714.832	3607	3763	26740		27732.177	3604	8913	24440	33723 4	5991 4 1			
27696.788	1609	4974	18180		27715.155	3607	3882	15480		27733.335	3604	7407	18880					
27697.024	1609	4684	23440	33224 7	5926 6	2	27715.624	3607	0442	25840	27733.595	3604	7069	19380				
27697.387	1609	4198	16180		27715.869	3607	0174	44580		27733.768	3604	6665	26040					
27697.589	1609	3930	20480		27716.068	3606	9995	22480		27734.132	3604	6371	20080					
27697.907	1609	3516	19880		27716.155	3606	9742	21480		27734.532	3604	5952	20280					
27698.004	1609	3307	24040	27698 4	0 4 2	27716.155	3606	9444	30340	33707 5	5991 4	11	27734.714	3604	5814	22280		
27698.211	1609	3120	19480		27716.335	3606	9259	27480		27734.958	3604	5427	21080					
27698.614	1609	2599	26140		27716.666	3606	9047	10280		27735.123	3604	5083	33040	28388 5	628 5 11			
27698.770	1609	2391	16226		27716.829	3606	8844	4160		27735.111	3604	4769	19480					
27699.390	1609	1594	21480		27717.980	3606	7377	21180		27735.726	3604	4300	16328					
27699.832	1609	3088	18480		27718.156	3606	7184	26380		27735.980	3604	3970	27280					
27700.345	1609	2776	27840		27718.434	3606	6785	18180		27736.182	3604	3707	24540					
27700.951	1608	9680	29140		27718.571	3606	6688	16580		27736.395	3604	3430	21300					
27700.938	1608	9586	28780		27718.837	3606	6262	22480	34885 5	27736.562	3604	3187	26340					
27701.175	1608	9286	28740		27718.445	3606	5470	27540	5 4274 6	11	27736.792	3604	2914	15880				
27701.659	1608	4627	17780		27720.247	3606	4427	7180		27737.076	3604	2545	19380					
27702.242	1608	7828	19680		27721.224	3606	1150	43180	28361 4	624 5	11	27737.322	3604	2225	23880			
27702.647	1608	7361	21980		27721.577	3606	2657	22280		27737.376	3604	1631	22480					
27702.894	1608	7016	21380		27721.866	3606	2321	4380		27737.997	3604	1348	26940					
27702.991	1608	6892	22880		27722.122	3606	1987	31540		27738.429	3604	0787	18780					
27703.161	1608	6681	24280		27722.283	3606	1804	21628	35848 8	7386 7	11	27738.647	3603	9684	19580			
27703.311	1608	6476	20780		27722.451	3606	1580	22386		27739.454	3603	9658	18780					
27703.452	1608	6282	18180		27722.765	3606	1152	28740		27739.918	3603	8852	14980					
27703.705	1609	5982	25440		27722.955	3606	1095	19180		27740.355	3603	8285	17980					
27703.847	1608	5778	23440		27723.224	3606	0554	22080		27740.541	3603	8043	16380					
27703.928	1609	5672	20980		27723.419	3606	0381	20480		27740.756	3603	7763	21370					
27704.566	1608	4840	28140		27723.538	3606	0164	17780		27741.004	3603	7439	32840	32816 7	4275 6	11		
27704.736	1608	4619	22040		27725.026	3605	8211	20340		27741.604	3603	6919	21180					
27705.194	1608	4020	22480		27725.220	3605	7554	24380		27741.854	3603	6498	16080					
27705.282	1608	3928	22580		27725.334	3605	7268	26140		27742.149	3603	5944	39280					1
27705.506	1608	3748	23580		27725.455	3605	7093	22280		27742.521	3603	5601	13880					
27705.763	1608	3281	19180	32159 3	4453 4	11	27725.548	3605	7531	19428								
27705.912	1608	3088	17480		27725.568	3605	7391	22880		27742.758	3603	5183	17280					
27705.999	1608	2974	22380		27725.631	3605	7034	25880		27742.871	3603	4840	16480					
27707.146	1608	1480	23280		27726.116	3605	6793	17480		27743.195	3603	4596	19580					
27707.277	1608	1310	25940		27726.167	3605	6700	16880		27743.346	3603	4399	17280					
27707.960	1608	0421	19080		27726.284	3605	6574	15180		27743.700	3603	3940	23880					
27708.280	1608	0003	25480		27727.738	3605	5794	19180		27743.845	3603	3822	33880	27743 6	0 0 11			
27708.367	1607	9890	24080		27727.369	3605	5163	18280		27744.118	3603	3487	24028					
27708.464	1607	9754	20080		27727.628	3605	4637	30140	27676 6	1748 6	2	27744.231	3603	3249	21680			
27709.240	1607	8754	19480		27727.744	3605	4433	27340		27744.323	3603	3131	20128					
27709.924	1607	7863	20380		27727.877	3605	4293	21880		27744.566	3603	2711	17582					
27710.184	1607	7532	20580		27728.049	3605	4233	22580		27745.113	3603	2404	21380					
27710.577	1607	7012	21280		27728.248	3605	4029	22480		27745.293	3603	1909	18780					
27710.754	1607	6812	21880		27728.322	3605	3825	17480		27745.715	3603	1322	21180					
27711.354	1607	6001	26140		27728.751	3605	3386	20680		27746.054	3603	0893	25780	32166 5	4428 5 2			
27711.591	1607	5693	24180		27728.974	3605	3077	25280		27746.337	3603	0514	29940					
27711.738	1607	5502	23480	31980 4	3868 3	1	27729.274	33480	27729 5	0 6	11	27746.448	3603	0122	28240			
27711.986	1607	5379	23180		27729.518	3605	2349	22180		27747.097	3602	9349	17580					
27712.412	1607	4624	15880		27729.631	3605	2232	23180		27747.467	3602	9135	26340	33738 3	8991 4	11		
27712.610	1607	4366	16680		27729.904	3605	1868	27340		27747.527	3602	8970	23580					
27712.736	1607	4201	22140	33074 4	5762 5	1	27729.997	3605	1746	23080		27748.064	3602	8272	22340			

SIGMA		I PS CLASSIFICATION ION		SIGMA		I PS CLASSIFICATION ION		SIGMA		I PS CLASSIFICATION ION	
27750.00	1602.4837	3080	7	27766.470	3600.4130	263A0		27781.687	3598.4667	252A0	
27751.00	1602.4837	3080	7	27766.922	3600.3803	109A0		27781.749	3598.4562	267A0	
27752.00	1602.4837	3080	7	27767.001	3600.3700	175C8		27782.176	3598.4036	185A0	
27753.00	1602.4837	3080	7	27767.214	3600.3624	191B0		27782.451	3598.3670	267A0	
27754.00	1602.4837	3080	7	27767.371	3600.4221	229A0		27782.647	3598.3424	159B0	
27755.00	1602.4837	3080	7	27767.615	3600.5904	333A0	28387 4	27782.730	3598.3307	174A0	
27756.00	1602.4837	3080	7	27767.860	3600.5716	261C8	34871 4	27782.859	3598.3150	213A0	
27757.00	1602.4837	3080	7	27768.291	3600.7431	219A0		27783.151	3598.2771	238A0	
27758.00	1602.4837	3080	7	27768.425	3600.7854	175B0	32884 6	27783.448	3598.2385	185A0	
27759.00	1602.4837	3080	7	27768.529	3600.8184	175B0	32884 6	27783.824	3598.1989	273A0	
27760.00	1602.4837	3080	7	27768.647	3600.8541	293A0		27784.112	3598.1526	200A0	
27761.00	1602.4837	3080	7	27768.757	3600.8941	276A0		27784.408	3598.1061	199A0	
27762.00	1602.4837	3080	7	27768.887	3600.9303	266A0		27784.708	3598.0597	273A0	
27763.00	1602.4837	3080	7	27769.004	3600.9697	220A0		27785.001	3598.0127	274A0	
27764.00	1602.4837	3080	7	27769.132	3600.9511	258A0		27785.298	3598.9990	213A0	1
27765.00	1602.4837	3080	7	27769.262	3600.9359	258A0		27785.593	3598.9832	191B0	
27766.00	1602.4837	3080	7	27769.444	3600.9236	266A0		27785.882	3598.9666	212B0	1
27767.00	1602.4837	3080	7	27769.666	3600.9127	214B0		27786.176	3598.9507	204A0	
27768.00	1602.4837	3080	7	27769.856	3600.9043	312A0		27786.463	3598.9348	294A0	
27769.00	1602.4837	3080	7	27769.956	3600.8969	206A0		27786.749	3598.9197	217B0	
27770.00	1602.4837	3080	7	27770.152	3600.8906	194C8		27787.037	3598.9046	244B0	
27771.00	1602.4837	3080	7	27770.332	3600.8859	194C8		27787.324	3598.8895	243B0	
27772.00	1602.4837	3080	7	27770.506	3600.8820	162A0		27787.611	3598.8743	263B0	
27773.00	1602.4837	3080	7	27770.684	3600.8786	192A0		27787.898	3598.8592	263B0	
27774.00	1602.4837	3080	7	27770.841	3600.8754	196B0		27788.185	3598.8440	259B0	
27775.00	1602.4837	3080	7	27771.041	3600.8726	196B0		27788.472	3598.8288	260B0	
27776.00	1602.4837	3080	7	27771.255	3600.8697	216A0		27788.759	3598.8136	162B0	
27777.00	1602.4837	3080	7	27771.483	3600.8675	216A0		27789.046	3598.7984	257B0	
27778.00	1602.4837	3080	7	27771.733	3600.8659	252A0		27789.333	3598.7832	257B0	
27779.00	1602.4837	3080	7	27771.994	3600.8649	252A0		27789.620	3598.7680	306B0	
27780.00	1602.4837	3080	7	27772.266	3600.8645	230A0		27789.907	3598.7528	193B0	
27781.00	1602.4837	3080	7	27772.549	3600.8645	230A0		27790.194	3598.7376	193B0	
27782.00	1602.4837	3080	7	27772.843	3600.8645	230A0		27790.481	3598.7224	206B0	
27783.00	1602.4837	3080	7	27773.148	3600.8645	261A0		27790.768	3598.7072	206B0	
27784.00	1602.4837	3080	7	27773.464	3600.8645	206A0		27791.055	3598.6920	206B0	
27785.00	1602.4837	3080	7	27773.791	3600.8645	249A0		27791.342	3598.6768	206B0	
27786.00	1602.4837	3080	7	27774.128	3600.8645	249A0		27791.629	3598.6616	206B0	
27787.00	1602.4837	3080	7	27774.475	3600.8645	318A0		27791.916	3598.6464	206B0	
27788.00	1602.4837	3080	7	2774.823	3600.8645	364A0		27792.203	3598.6312	206B0	
27789.00	1602.4837	3080	7	2775.170	3600.8645	326A0		27792.490	3598.6160	206B0	
27790.00	1602.4837	3080	7	2775.517	3600.8645	326A0		27792.777	3598.6008	206B0	
27791.00	1602.4837	3080	7	2775.864	3600.8645	326A0		27793.064	3598.5856	206B0	
27792.00	1602.4837	3080	7	2776.211	3600.8645	326A0		27793.351	3598.5704	206B0	
27793.00	1602.4837	3080	7	2776.558	3600.8645	326A0		27793.638	3598.5552	206B0	
27794.00	1602.4837	3080	7	2776.905	3600.8645	326A0		27793.925	3598.5400	206B0	
27795.00	1602.4837	3080	7	2777.252	3600.8645	326A0		27794.212	3598.5248	206B0	
27796.00	1602.4837	3080	7	2777.599	3600.8645	326A0		27794.499	3598.5096	206B0	
27797.00	1602.4837	3080	7	2777.946	3600.8645	326A0		27794.786	3598.4944	206B0	
27798.00	1602.4837	3080	7	2778.293	3600.8645	326A0		27795.073	3598.4792	206B0	
27799.00	1602.4837	3080	7	2778.640	3600.8645	326A0		27795.360	3598.4640	206B0	
27800.00	1602.4837	3080	7	2778.987	3600.8645	326A0		27795.647	3598.4488	206B0	
27801.00	1602.4837	3080	7	2779.334	3600.8645	326A0		27795.934	3598.4336	206B0	
27802.00	1602.4837	3080	7	2779.681	3600.8645	326A0		27796.221	3598.4184	206B0	
27803.00	1602.4837	3080	7	2779.928	3600.8645	326A0		27796.508	3598.4032	206B0	
27804.00	1602.4837	3080	7	2780.275	3600.8645	326A0		27796.795	3598.3880	206B0	
27805.00	1602.4837	3080	7	2780.622	3600.8645	326A0		27797.082	3598.3728	206B0	
27806.00	1602.4837	3080	7	2780.969	3600.8645	326A0		27797.369	3598.3576	206B0	
27807.00	1602.4837	3080	7	2781.316	3600.8645	326A0		27797.656	3598.3424	206B0	
27808.00	1602.4837	3080	7	2781.663	3600.8645	326A0		27797.943	3598.3272	206B0	
27809.00	1602.4837	3080	7	2782.010	3600.8645	326A0		27798.230	3598.3120	206B0	
27810.00	1602.4837	3080	7	2782.357	3600.8645	326A0		27798.517	3598.2968	206B0	
27811.00	1602.4837	3080	7	2782.704	3600.8645	326A0		27798.804	3598.2816	206B0	
27812.00	1602.4837	3080	7	2783.051	3600.8645	326A0		27799.091	3598.2664	206B0	
27813.00	1602.4837	3080	7	2783.398	3600.8645	326A0		27799.378	3598.2512	206B0	
27814.00	1602.4837	3080	7	2783.745	3600.8645	326A0		27799.665	3598.2360	206B0	
27815.00	1602.4837	3080	7	2784.092	3600.8645	326A0		27799.952	3598.2208	206B0	
27816.00	1602.4837	3080	7	2784.439	3600.8645	326A0		27800.239	3598.2056	206B0	
27817.00	1602.4837	3080	7	2784.786	3600.8645	326A0		27800.526	3598.1904	206B0	
27818.00	1602.4837	3080	7	2785.133	3600.8645	326A0		27800.813	3598.1752	206B0	
27819.00	1602.4837	3080	7	2785.480	3600.8645	326A0		27801.100	3598.1600	206B0	
27820.00	1602.4837	3080	7	2785.827	3600.8645	326A0		27801.387	3598.1448	206B0	
27821.00	1602.4837	3080	7	2786.174	3600.8645	326A0		27801.674	3598.1296	206B0	
27822.00	1602.4837	3080	7	2786.521	3600.8645	326A0		27801.961	3598.1144	206B0	
27823.00	1602.4837	3080	7	2786.868	3600.8645	326A0		27802.248	3598.0992	206B0	
27824.00	1602.4837	3080	7	2787.215	3600.8645	326A0		27802.535	3598.0840	206B0	
27825.00	1602.4837	3080	7	2787.562	3600.8645	326A0		27802.822	3598.0688	206B0	
27826.00	1602.4837	3080	7	2787.909	3600.8645	326A0		27803.109	3598.0536	206B0	
27827.00	1602.4837	3080	7	2788.256	3600.8645	326A0		27803.396	3598.0384	206B0	
27828.00	1602.4837	3080	7	2788.603	3600.8645	326A0		27803.683	3598.0232	206B0	
27829.00	1602.4837	3080	7	2788.950	3600.8645	326A0		27803.970	3598.0080	206B0	
27830.00	1602.4837	3080	7	2789.297	3600.8645	326A0		27804.257	3597.9928	206B0	
27831.00	1602.4837	3080	7	2789.644	3600.8645	326A0		27804.544	3597.9776	206B0	
27832.00	1602.4837	3080	7	2789.991	3600.8645	326A0		27804.831	3597.9624	206B0	
27833.00	1602.4837	3080	7	2790.338	3600.8645	326A0		27805.118	3597.9472	206B0	
27834.00	1602.4837	3080	7	2790.685	3600.8645	32					

SIGMA	WL	I PS	CLASSIFICATION	ION	SIGMA	WL	I PS	CLASSIFICATION	ION	SIGMA	WL	I PS	CLASSIFICATION	ION
27800.388	3596.0469	25480			27820.878	3593.4492	23380			27837.149	3591.2971	18640		
27800.345	3595.9869	18640			27820.747	3593.4144	23380			27837.340	3591.2725	20840		
27800.971	3595.9706	18890			27821.004	3593.3812	22260			27837.529	3591.2481	16580		
27801.185	3595.7429	25780			27821.165	3593.3605	21460			27837.901	3591.2000	23340	33820 3	8091 4 1
27801.514	3595.8998	26040			27822.210	3593.2294	26680			27837.956	3591.1930	22620		
27801.795	3595.8640	18890			27822.336	3593.2092	30380	34827 7	7004 6 1	27838.156	3591.1674	18720		
27801.921	3595.8477	19080			27822.657	3593.1945	23040	32060 7	4275 6 11	27838.318	3591.1463	31240	35020 2	7191 2 11
27802.324	3595.8311	16780			27822.747	3593.1581	24160			27838.938	3591.0867	22840		
27802.427	3595.7823	19160	31403 4	3800 7 1	27823.166	3593.1020	21380			27839.109	3591.0442	17340		
27802.856	3595.7527	30840	35128 7	7326 7 11	27823.282	3593.0870	14380			27839.203	3591.0218	27540		1
27803.344	3595.6379	19480			27823.596	3593.0485	20380			27839.484	3590.9958	18890		
27803.527	3595.6270	22480			27823.896	3593.0077	23480			27839.734	3590.9636	26440	34943 4	7103 3 1
27804.075	3595.5691	20140			27824.195	3592.9691	32840	28444 5	620 5 11	27839.951	3590.9356	20640		
27804.270	3595.5439	17780			27824.451	3592.9120	24260			27840.092	3590.9174	21740		
27804.445	3595.5213	25440			27824.762	3592.8959	29180			27840.177	3590.9065	20890		
27804.850	3595.4590	20160			27824.987	3592.8649	25440			27840.495	3590.8248	16890		
27805.125	3595.4334	20190			27825.098	3592.8525	22080			27840.872	3590.8149	16180		
27806.048	3595.3141	21240			27825.313	3592.8271	19080			27841.330	3590.7570	17520		
27806.225	3595.2782	14190			27825.522	3592.7974	27340			27841.398	3590.7489	18820		
27806.832	3595.2395	31340	34812 6	7605 6 11	27825.769	3592.7659	23440			27841.573	3590.7264	31640		1
27807.237	3595.1949	17480			27826.340	3592.6921	25680			27841.731	3590.7060	25840		
27807.584	3595.1150	21340			27827.060	3592.5991	27640			27841.826	3590.6937	19520		
27807.870	3595.0785	17080			27827.205	3592.5804	23480			27841.957	3590.6774	19440		
27808.105	3595.0480	18580			27827.431	3592.5513	19480			27842.111	3590.6570	23940		
27808.254	3595.0288	18480			27827.708	3592.5145	21080			27842.483	3590.6091	20840		
27808.326	3595.0195	18280			27827.850	3592.4971	20880			27842.940	3590.5501	16640		
27808.937	3594.9843	21740			27828.020	3592.4752	21280			27843.374	3590.5328	23420		
27809.087	3594.9536	31764	29557 5	1746 6 22	27828.187	3592.4541	16780			27843.685	3590.5185	23124		
27809.001	3594.9323	22480			27828.319	3592.4328	16980			27843.949	3590.4973	23540		
27809.204	3594.8946	23680			27828.515	3592.3564	19080			27843.539	3590.4723	23940		
27809.754	3594.8040	22740	31678 4	3868 3 11	27828.696	3592.3118	21420			27843.688	3590.4285	22040		
27810.475	3594.7410	25340			27829.371	3592.3009	28240	34112 5	6293 6 2	27844.053	3590.4066	19140		
27810.894	3594.6889	20920	34059 7	6244 4 1	27829.709	3592.2574	19340			27844.488	3590.3505	18540		
27811.016	3594.6717	27040			27830.009	3592.2314	25440	31630 7	3806 7 1	27844.738	3590.3162	31940	33184 6	3259 7 22
27811.704	3594.5828	21280			27830.330	3592.1770	18580			27844.904	3590.2966	20580		
27812.067	3594.5359	18480			27830.988	3592.0921	19540			27845.051	3590.2779	23140		
27812.719	3594.4516	19280			27831.214	3592.0659	27740			27845.166	3590.2630	22640		
27812.950	3594.4207	21580			27831.646	3592.0072	16580			27845.429	3590.2292	16820		
27813.231	3594.3535	16180			27832.225	3591.9374	19740			27845.576	3590.2231	19540		
27813.572	3594.3416	20780			27832.315	3591.9238	20640			27845.770	3590.1851	19440		
27813.572	3594.2607	18220	32399 7	4895 6 2	27832.537	3591.8935	20440			27845.812	3590.0766	18840		
27814.095	3594.2728	24640			27832.653	3591.8772	23440			27845.834	3590.0509	24540		
27814.193	3594.2612	20880			27833.134	3591.9192	23780			27845.834	3590.0509	15780		
27814.774	3594.1656	20680			27833.450	3591.7743	28180			27845.858	3590.0675	18740		
27815.350	3594.1117	23780			27833.509	3591.7667	17040			27845.827	3590.0458	19880		
27815.642	3594.0739	19980			27833.683	3591.7443	26340	28454 4	048 8 11	27845.827	3590.0264	28040		
27816.046	3594.0217	21440			27833.854	3591.7223	25480			27847.323	3590.0076	24340		
27816.244	3593.9941	19780			27833.972	3591.7069	24080			27848.579	3590.0874	28340		
27816.543	3593.9574	25680			27834.095	3591.6911	21740			27848.588	3590.0721	27440		
27817.489	3593.9574	25680			27834.196	3591.6781	24240			27848.588	3590.0583	25040		
27817.577	3593.8243	21080			27834.385	3591.6586	26240			27848.593	3590.0328	18420		
27817.743	3593.8023	19780			27834.706	3591.6122	29540			27848.692	3590.0123	25924		
27818.498	3593.7165	21620			27835.121	3591.5569	19440			27848.998	3590.0589	1562	3080 7 11	
27819.048	3593.6855	33040	33880 8	5762 8 11	27835.474	3591.5132	28540			27848.998	3590.0589	7259	21028	
27819.343	3593.5957	20880			27835.824	3591.4531	19940			27849.451	3590.0716	19328		
27820.090	3593.4993	23240			27836.108	3591.4317	16240			27849.343	3590.0910	25128		
27820.247	3593.4790	20980			27836.282	3591.4118	16240			27849.741	3590.0783	28424		
27820.347	3593.4660	22580			27836.603	3591.3924	18880			27849.856	3590.0685	34140	34476 4	688 5 11
					27837.070	3591.3072	19840			27850.033	3590.0357	25340		

SIGMA	I	PS	CLASSIFICATION	ION	WL	I	PS	CLASSIFICATION	ION	SIGMA	WL	I	PS	CLASSIFICATION	ION
27650.350	1540	5490		2160	27655.980	1547	5812	1700	27679.360	3585	8885	2550			
27650.630	1540	5575	2040	27680.673	1547	5643	1620	27679.536	3585	8931	2610	2609	4	620	
27650.730	1540	5647	2740	27686.583	3547	5036	1970	27679.710	3585	8105	2630				
27650.920	1540	5731	1870	27686.863	3547	4676	1000	27679.942	3585	7646	2640				
27651.267	1540	5841	2840	27686.944	3547	4571	2200	27680.302	3585	7871	1070				
27651.900	1540	5950	1940	27687.293	3547	4123	1920	27680.442	3585	7204	1890				
27652.017	1540	6122	1790	27687.480	3547	3707	2040	27680.603	3585	6996	1670				
27652.444	1540	6243	2270	27688.036	3547	3166	2650	27680.732	3585	6331	1710				
27652.614	1540	6308	1930	27688.381	3547	2734	1950	27680.891	3585	6125	2440				
27652.775	1540	6422	1680	27688.649	3547	2675	1700	27681.158	3585	6182	2440				
27653.152	1540	6536	1490	27689.019	3547	2415	2490	27681.483	3585	5964	1940				
27653.481	1540	6612	1040	27689.861	3547	2104	1940	27681.823	3585	5647	2740				
27653.832	1540	6702	1040	27690.586	3547	1706	1640	27682.126	3585	5378	2040				
27654.111	1540	6801	2170	27690.921	3547	1506	1640	27682.299	3585	5075	2240				
27654.437	1540	6911	2140	27691.249	3547	1307	2040	27682.470	3585	4795	2240				
27654.768	1540	7026	2010	27691.580	3547	1107	2040	27682.666	3585	4506	2170				
27655.104	1540	7146	1790	27691.912	3547	907	1940	27682.970	3585	4252	2620				
27655.437	1540	7271	1640	27692.245	3547	707	1940	27683.125	3585	3752	3360	2803	5	620	
27655.768	1540	7401	1640	27692.577	3547	507	2740	27683.297	3585	3531	2160				
27656.104	1540	7536	2640	27692.910	3547	307	2640	27683.599	3585	3300	2160				
27656.437	1540	7676	1590	27693.243	3547	107	2640	27683.963	3585	3092	2240				
27656.768	1540	7821	1590	27693.576	3547	107	1940	27684.327	3585	2896	1870				
27657.104	1540	7971	1590	27693.910	3547	107	1940	27684.690	3585	2712	1870				
27657.437	1540	8126	1590	27694.243	3547	107	1940	27685.054	3585	2538	2030				
27657.768	1540	8286	1590	27694.577	3547	107	1940	27685.418	3585	2374	2160				
27658.104	1540	8451	1690	27694.910	3547	107	1940	27685.782	3585	2220	2740				
27658.437	1540	8621	1690	27695.243	3547	107	1940	27686.146	3585	2076	2740				
27658.768	1540	8796	1690	27695.577	3547	107	1940	27686.510	3585	1939	2740				
27659.104	1540	8976	1690	27695.910	3547	107	1940	27686.874	3585	1809	2740				
27659.437	1540	9161	1690	27696.243	3547	107	1940	27687.238	3585	1685	2740				
27659.768	1540	9351	1690	27696.577	3547	107	1940	27687.602	3585	1566	2740				
27660.104	1540	9546	1690	27696.910	3547	107	1940	27687.966	3585	1452	2740				
27660.437	1540	9746	1690	27697.243	3547	107	1940	27688.330	3585	1344	2740				
27660.768	1540	9951	1690	27697.577	3547	107	1940	27688.694	3585	1241	2740				
27661.104	1540	10161	1690	27697.910	3547	107	1940	27689.058	3585	1143	2740				
27661.437	1540	10376	1690	27698.243	3547	107	1940	27689.422	3585	1050	2740				
27661.768	1540	10596	1690	27698.577	3547	107	1940	27689.786	3585	962	2740				
27662.104	1540	10821	1690	27698.910	3547	107	1940	27690.150	3585	879	2740				
27662.437	1540	11051	1690	27699.243	3547	107	1940	27690.514	3585	801	2740				
27662.768	1540	11286	1690	27699.577	3547	107	1940	27690.878	3585	728	2740				
27663.104	1540	11526	1690	27699.910	3547	107	1940	27691.242	3585	660	2740				
27663.437	1540	11771	1690	27700.243	3547	107	1940	27691.606	3585	597	2740				
27663.768	1540	12021	1690	27700.577	3547	107	1940	27691.970	3585	539	2740				
27664.104	1540	12276	1690	27701.243	3547	107	1940	27692.334	3585	485	2740				
27664.437	1540	12536	1690	27701.577	3547	107	1940	27692.698	3585	435	2740				
27664.768	1540	12801	1690	27701.910	3547	107	1940	27693.062	3585	388	2740				
27665.104	1540	13071	1690	27702.243	3547	107	1940	27693.426	3585	344	2740				
27665.437	1540	13346	1690	27702.577	3547	107	1940	27693.790	3585	302	2740				
27665.768	1540	13626	1690	27702.910	3547	107	1940	27694.154	3585	262	2740				
27666.104	1540	13911	1690	27703.243	3547	107	1940	27694.518	3585	224	2740				
27666.437	1540	14201	1690	27703.577	3547	107	1940	27694.882	3585	188	2740				
27666.768	1540	14496	1690	27703.910	3547	107	1940	27695.246	3585	154	2740				
27667.104	1540	14796	1690	27704.243	3547	107	1940	27695.610	3585	122	2740				
27667.437	1540	15101	1690	27704.577	3547	107	1940	27695.974	3585	92	2740				
27667.768	1540	15411	1690	27704.910	3547	107	1940	27696.338	3585	64	2740				
27668.104	1540	15726	1690	27705.243	3547	107	1940	27696.702	3585	38	2740				
27668.437	1540	16046	1690	27705.577	3547	107	1940	27697.066	3585	14	2740				
27668.768	1540	16371	1690	27705.910	3547	107	1940	27697.430	3585	-12	2740				
27669.104	1540	16701	1690	27706.243	3547	107	1940	27697.794	3585	-40	2740				
27669.437	1540	17036	1690	27706.577	3547	107	1940	27698.158	3585	-68	2740				
27669.768	1540	17376	1690	27706.910	3547	107	1940	27698.522	3585	-96	2740				
27670.104	1540	17721	1690	27707.243	3547	107	1940	27698.886	3585	-124	2740				
27670.437	1540	18071	1690	27707.577	3547	107	1940	27699.250	3585	-152	2740				
27670.768	1540	18426	1690	27707.910	3547	107	1940	27699.614	3585	-180	2740				
27671.104	1540	18786	1690	27708.243	3547	107	1940	27699.978	3585	-208	2740				
27671.437	1540	19151	1690	27708.577	3547	107	1940	27700.342	3585	-236	2740				
27671.768	1540	19521	1690	27708.910	3547	107	1940	27700.706	3585	-264	2740				
27672.104	1540	19896	1690	27709.243	3547	107	1940	27701.070	3585	-292	2740				
27672.437	1540	20276	1690	27709.577	3547	107	1940	27701.434	3585	-320	2740				
27672.768	1540	20661	1690	27709.910	3547	107	1940	27701.798	3585	-348	2740				
27673.104	1540	21051	1690	27710.243	3547	107	1940	27702.162	3585	-376	2740				
27673.437	1540	21446	1690	27710.577	3547	107	1940	27702.526	3585	-404	2740				
27673.768	1540	21846	1690	27710.910	3547	107	1940	27702.890	3585	-432	2740				
27674.104	1540	22251	1690	27711.243	3547	107	1940	27703.254	3585	-460	2740				
27674.437	1540	22661	1690	27711.577	3547	107	1940	27703.618	3585	-488	2740				
27674.768	1540	23076	1690	27711.910	3547	107	1940	27703.982	3585	-516	2740				
27675.104	1540	23496	1690	27712.243	3547	107	1940	27704.346	3585	-544	2740				
27675.437	1540	23921	1690	27712.577	3547	107	1940	27704.710	3585	-572	2740				
27675.768															

SIGMA	WL	I P S CLASSIFICATION	ION	SIGMA	WL	I P S CLASSIFICATION	ION	SIGMA	WL	I P S CLASSIFICATION	ION
27900.319	3584	7645	6 11	27905.000	3582	5666	221A0	27920.900	3580	5244	212A0
27890.612	3584	4504	229A0	27905.627	3582	4840	217A0	27920.991	3580	5127	208B0
27891.006	3584	3621	185A0	27905.939	3582	4440	200A0	27921.050	3580	5052	167B0
27891.116	3584	3368	131A0	27906.045	3582	4279	236A0	27921.192	3580	4869	166B0
27891.266	3584	3262	313A0	27906.471	3582	3757	142A0	27921.275	3580	4762	186A0
27891.551	3584	2908	168B0	27906.584	3582	3612	199A0	27921.438	3580	4554	181A0
27892.032	3584	2302	174C8	27907.250	3582	2757	199A0	27921.671	3580	4255	198B0
27892.189	3584	2101	283A0	27907.329	3582	2656	168B0	27921.755	3580	4147	227A0
27892.262	3584	2007	257H0	27907.743	3582	2195	235A0	27921.985	3580	3852	269A0
27892.941	3584	1134	227A0	27908.113	3582	1649	196A0	27922.144	3580	3649	336A0
27893.261	3584	0724	270A0	27908.274	3582	1156	164A0	27922.326	3580	3415	246B0
27893.698	3584	0162	190A0	27908.498	3582	1156	204A0	27922.356	3580	3261	214B0
27894.332	3583	9347	297A0	27908.977	3582	1054	146C8	27922.455	3580	3147	203C8
27895.045	3583	8431	165B0	27909.055	3582	1044	148B0	27922.635	3580	3019	197C8
27895.234	3583	8188	185A0	27909.226	3582	1021	321A0	27922.722	3580	2908	235A0
27895.486	3583	7865	165B0	27909.321	3582	1009	253C8	27922.825	3580	2776	200C8
27895.677	3583	7620	177A0	27909.643	3581	9429	173A0	27922.897	3580	2683	267B0
27895.786	3583	7479	195A0	27909.969	3581	9268	178B0	27923.072	3580	2458	341A0
27895.915	3583	7313	229A0	27910.049	3581	9165	201A0	27923.249	3580	2232	262A0
27895.987	3583	7221	202A0	27910.157	3581	9056	184A0	27923.363	3580	2085	278A0
27896.284	3583	6939	173B0	27910.387	3581	8731	280A0	27923.526	3580	1876	205B0
27896.444	3583	6634	161B0	27910.663	3581	8377	325A0	27923.627	3580	1747	219A0
27896.944	3583	5940	209A0	27910.830	3581	8162	149B0	27923.766	3580	1543	176B0
27897.210	3583	5650	243A0	27910.958	3581	7998	173C4	27923.940	3580	1346	169B0
27897.359	3583	5459	189A0	27911.179	3581	7715	244A0	27924.060	3580	1192	240A0
27897.619	3583	5325	215B0	27912.130	3581	6493	226B0	27924.213	3580	0956	223A0
27897.801	3583	4891	219A0	27912.209	3581	6393	232A0	27924.410	3580	0743	193C8
27897.976	3583	4866	243A0	27912.720	3581	5737	206C8	27924.484	3580	0648	232A0
27898.051	3583	4570	227A0	27912.786	3581	5582	239A0	27924.795	3580	0249	220A0
27898.254	3583	4307	166B0	27913.081	3581	5274	266A0	27924.864	3580	0161	232C8
27898.346	3583	4191	181B0	27913.453	3581	4797	163B0	27924.926	3580	0082	235A0
27898.794	3583	3615	182B0	27914.026	3581	4061	184B0	27925.029	3579	9950	209B0
27898.964	3583	3397	244A0	27914.089	3581	3981	190A0	27925.196	3579	9736	190B0
27899.192	3583	3104	188A0	27914.252	3581	3771	209A0	27925.367	3579	9516	314A0
27899.424	3583	2906	185A0	27914.604	3581	3319	175A0	27925.537	3579	8298	174B0
27899.723	3583	2623	289A0	27914.740	3581	3145	241A0	27925.775	3579	8993	211A0
27900.101	3583	1736	168A0	27914.964	3581	2857	223B0	27926.205	3579	8441	207B0
27900.280	3583	1107	168B0	27915.143	3581	2628	213A0	27926.346	3579	8261	236A0
27900.820	3583	1013	196B0	27915.371	3581	2336	171B0	27926.487	3579	8080	230A0
27901.254	3583	0856	175B0	27915.544	3581	2113	242A0	27926.581	3579	7960	215A0
27901.431	3583	0829	165B0	27915.735	3581	1869	269A0	27927.084	3579	7315	276A0
27901.788	3582	9770	174B0	27915.974	3581	1562	189A0	27927.268	3579	7079	209A0
27901.990	3582	9511	192B0	27916.457	3581	0942	272A0	27927.597	3579	6657	242A0
27902.292	3582	9123	230C8	27916.744	3581	0574	199A0	27927.787	3579	6414	266A0
27902.355	3582	9043	259A0	27917.801	3581	0562	175C8	27928.006	3579	6134	177A0
27902.531	3582	8790	210A0	27917.003	3581	0282	194A0	27928.136	3579	5967	212A0
27902.791	3582	8483	230C8	27917.572	3580	9512	209C8	27928.222	3579	5857	198A0
27902.875	3582	8375	282A0	27917.648	3580	9415	235B0	27928.429	3579	5590	179A0
27903.061	3582	8136	207A0	27917.920	3580	9211	231A0	27928.568	3579	5413	204A0
27903.123	3582	8055	212A0	27917.820	3580	9066	252C8	27928.636	3579	5326	196A0
27903.250	3582	7893	200A0	27918.175	3580	8739	211A0	27928.850	3579	5051	204A0
27903.661	3582	7339	257A0	27918.345	3580	8520	228A0	27929.075	3579	4763	166B0
27903.932	3582	7017	182A0	27918.437	3580	8403	211A0	27929.470	3579	4000	173C8
27904.025	3582	6897	193B0	27918.603	3580	8190	185B0	27929.670	3579	3887	193A0
27904.135	3582	6757	172A0	27918.861	3580	7859	208B0	27929.759	3579	3675	230A0
27904.337	3582	6509	251A0	27918.920	3580	7770	228A0	27929.924	3579	3449	248B0
27904.377	3582	6444	244B0	27919.154	3580	7483	242A0	27930.101	3579	3249	248B0
27904.552	3582	6221	336A0	27919.154	3580	7195	205A0	27930.219	3579	3297	183B0
27904.718	3582	6008	239A0	27919.648	3580	6849	265A0	27930.367	3579	3107	283A0
27904.836	3582	5856	207A0	27920.811	3580	5356	218B0	27930.558	3579	2863	153B0
								27930.816	3579	2532	168B0

I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION	
SIGMA	WL	SIGMA	WL	SIGMA	WL	SIGMA	WL
27930.977	4578.2325	27942.920	3577.7088	27955.898	3576.0418	27968.010	20840
27931.1855	4578.1501	27943.182	3577.6681	27956.096	3576.0164	27968.164	21440
27931.973	4578.1049	27943.453	3577.6345	27956.711	3575.9378	27968.2140	21440
27932.099	4579.0688	27943.703	3577.5769	27956.964	3575.9055	27968.2640	21440
27932.345	4579.0573	27944.067	3577.5559	27957.321	3575.8597	27968.3140	21440
27932.462	4579.0423	27944.240	3577.5337	27957.408	3575.8486	27968.3640	21440
27932.973	4578.9768	27944.394	3577.5140	27957.778	3575.8013	27968.4140	21440
27933.103	4578.9602	27944.497	3577.5009	27958.091	3575.7705	27968.4640	21440
27933.388	4578.9236	27944.582	3577.4859	27958.091	3575.7613	27968.5140	21440
27933.531	4578.9053	27944.726	3577.4715	27958.256	3575.7350	27968.5640	21440
27933.590	4578.8977	27944.916	3577.4542	27958.473	3575.7124	27968.6140	21440
27933.673	4578.8871	27945.042	3577.4311	27958.554	3575.7021	27968.6640	21440
27933.872	4578.8616	27945.292	3577.3991	27958.684	3575.6855	27968.7140	21440
27934.049	4578.8389	27945.430	3577.3814	27958.836	3575.6660	27968.7640	21440
27934.333	4578.8089	27945.594	3577.3604	27959.072	3575.6358	27968.8140	21440
27934.497	4578.7915	27945.715	3577.3448	27959.284	3575.6087	27968.8640	21440
27934.719	4578.7730	27945.911	3577.3197	27959.383	3575.5960	27968.9140	21440
27934.968	4578.7211	27946.103	3577.2952	27959.566	3575.5726	27968.9640	21440
27935.187	4578.6931	27946.606	3577.2318	27959.645	3575.5800	27968.980	21440
27935.374	4578.6691	27947.072	3577.1711	27960.090	3575.5057	27969.030	21440
27935.778	4578.6174	27947.302	3577.1417	27960.326	3575.4755	27969.080	21440
27935.994	4578.5897	27947.515	3577.1144	27960.411	3575.4645	27969.130	21440
27936.433	4578.5335	27947.405	3577.1093	27960.828	3575.4079	27969.180	21440
27936.649	4578.5068	27947.868	3577.0693	27961.488	3575.3371	27969.230	21440
27936.878	4578.4768	27948.043	3577.0469	27961.592	3575.3136	27969.280	21440
27937.047	4578.4598	27948.153	3577.0359	27961.822	3575.2842	27969.330	21440
27937.430	4578.4058	27948.594	3577.0197	27962.815	3575.1572	27969.380	21440
27937.512	4578.3952	27949.034	3576.9200	27962.953	3575.1395	27969.430	21440
27937.692	4578.3722	27949.604	3576.8471	27963.209	3575.1068	27969.480	21440
27937.807	4578.3574	27949.679	3576.8375	27963.256	3575.1008	27969.530	21440
27937.875	4578.3468	27949.742	3576.8204	27963.375	3575.0955	27969.580	21440
27938.046	4578.3269	27949.961	3576.8014	27963.463	3575.0917	27969.630	21440
27938.224	4578.3041	27950.207	3576.7849	27963.603	3575.0564	27969.680	21440
27938.341	4578.2891	27950.344	3576.7584	27963.667	3575.0457	27969.730	21440
27938.526	4578.2854	27950.420	3576.7427	27963.846	3575.0190	27969.780	21440
27938.708	4578.2821	27950.557	3576.7124	27964.091	3574.9941	27969.830	21440
27938.847	4578.2843	27950.724	3576.7038	27964.286	3574.9691	27969.880	21440
2793.095	4578.1971	27950.851	3576.6875	27964.518	3574.9394	27969.930	21440
27939.196	4578.1796	27950.962	3576.6734	27964.686	3574.9180	27969.980	21440
27939.448	4578.1474	27951.233	3576.6387	27964.837	3574.8987	27969.980	21440
27939.806	4578.1015	27951.404	3576.6085	27964.944	3574.8850	27969.980	21440
27940.046	4578.0708	27951.581	3576.5941	27965.124	3574.8919	27969.980	21440
27940.143	4578.0558	27951.693	3576.5542	27965.366	3574.8388	27969.980	21440
27940.343	4578.0327	27951.974	3576.5435	27965.368	3574.8283	27969.980	21440
27940.725	4577.9428	27952.114	3576.5249	27965.536	3574.8093	27969.980	21440
27940.752	4577.9152	27952.294	3576.5088	27965.664	3574.7930	27969.980	21440
27940.967	4577.9227	27952.426	3576.4865	27965.740	3574.7832	27969.980	21440
27941.253	4577.9162	27952.778	3576.4400	27965.920	3574.7602	27969.980	21440
27941.390	4577.8986	27953.059	3576.4050	27966.100	3574.7372	27969.980	21440
27941.652	4577.8650	27953.111	3576.3944	27966.227	3574.7210	27969.980	21440
27941.812	4577.8445	27953.275	3576.3774	27966.356	3574.7083	27969.980	21440
27941.925	4577.8305	27953.492	3576.3496	27966.411	3574.6949	27969.980	21440
27942.107	4577.8068	27953.575	3576.3300	27966.457	3574.6837	27969.980	21440
27942.233	4577.7907	27953.555	3576.3237	27966.457	3574.6837	27969.980	21440
27942.331	4577.7907	27953.583	3576.2483	27966.411	3574.5876	27969.980	21440
27942.493	4577.7574	27954.041	3576.2193	27966.728	3574.5591	27969.980	21440
27942.626	4577.7404	27954.704	3576.1948	27966.802	3574.5197	27969.980	21440
27942.724	4577.7278	27955.105	3576.1432	27966.166	3574.4731	27969.980	21440
27942.838	4577.7133	27955.320	3576.1157	27966.638	3574.4128	27969.980	21440
27942.838	4577.7133	27955.745	3576.0614	27966.857	3574.3848	27969.980	21440

SIGMA	HL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS	CLASSIFICATION	ION	SIGMA	WL	I PS	CLASSIFICATION	ION
27968.926	4574.3760	189A0	3373026	5762 5 1	27982.558	3572.6347	196A0	27994.248	3571.1427	263A0	31798 7	3800 7 11	
27969.059	4574.3629	20490	31837 3	3868 3 11	27982.725	3572.6134	204A0	27994.364	3571.1280	209A0			
27969.286	4574.3300	30740	30263 4	2294 5 2	27982.895	3572.5917	257A0	27994.683	3571.0872	203A0			
27969.385	4574.3173	25980			27983.154	3572.5586	248A0	27994.899	3571.0597	230A0			
27969.531	4574.2986	231A0			27983.289	3572.5413	225A0	27995.101	3571.0339	196A0			
27969.778	4574.2735	16180			27983.517	3572.5132	191A0	27995.235	3571.0181	17080			
27969.907	4574.2507	15780			27983.797	3572.4765	262A0	27995.352	3571.9969	206A0			
27970.119	4574.2236	214A0			27984.957	3572.4551	18280	27995.474	3571.9800	206A0			
27970.231	4574.2002	187C8			27984.126	3572.4432	193A0	27995.597	3571.9640	206A0			
27970.651	4574.1507	25690			27984.145	3572.4321	205A0	27995.774	3571.9480	206A0			
27970.924	4574.1207	259C8			27984.261	3572.4173	218A0	27995.882	3571.9320	206A0			
27971.006	4574.1102	323A0	34976 7	7005 6 11	27984.427	3572.3941	237A0	27996.160	3571.8989	251A0			
27971.310	4574.0713	251C8			27984.676	3572.3682	237A0	27996.250	3571.8873	21680			
27971.387	4574.0615	267A0	33733 4	5762 5 11	27984.861	3572.3407	298A0	27996.518	3571.8532	221A0			
27971.540	4574.0420	246A0			27985.166	3572.3017	201A0	27996.919	3571.8020	174A0			
27971.751	4574.0150	250A0			27985.379	3572.2617	220A0	27997.088	3571.7805	233A0			
27971.884	4573.9980	236C8			27985.480	3572.2617	220A0	27997.238	3571.7613	162C4			
27971.953	4573.9892	277A0			27985.607	3572.2444	14980	27997.470	3571.7318	22880			
27972.105	4573.9697	193A0			27985.692	3572.2345	15480	27997.631	3571.7113	331A0	31798 7	3800 7 11	
27972.628	4573.9017	20480			27985.787	3572.2224	16280	27997.811	3571.6883	198A0			
27972.675	4573.8949	20980			27985.870	3572.2119	17480	27998.040	3571.6591	212A0			
27972.848	4573.8749	322A0	27972 5	0 6 11	27986.119	3572.1929	208A0	27998.244	3571.6331	209A0			
27973.038	4573.8516	192A0			27986.235	3572.1653	16780	27998.390	3571.6145	195C8			
27973.159	4573.8351	19080			27986.508	3572.1305	16180	27998.631	3571.5837	318A0	35004 7	7005 6 11	
27974.212	4573.7006	187A0			27986.667	3572.1101	299A0	27998.807	3571.5406	210A0			
27974.369	4573.6805	181A0			27986.878	3572.0832	247A0	27999.148	3571.5178	194A0			
27974.665	4573.6427	16180			27987.121	3572.0532	17480	27999.272	3571.5020	197A0			
27974.870	4573.6165	233A0			27987.240	3572.0370	193A0	27999.560	3571.4908	19880			
27975.074	4573.5905	183C8			27987.674	3571.9815	180A0	27999.586	3571.4696	203A0			
27975.244	4573.5688	200A0			27987.847	3571.9535	234A0	27999.658	3571.4477	208A0			
27975.508	4573.5350	198A0			27988.028	3571.9364	208A0	27999.977	3571.4200	254A0	28620 4	620 5 1	
27975.802	4573.5230	183A0			27988.385	3571.8998	187A0	28000.096	3571.3968	170A0			
27975.825	4573.4945	171C8			27988.543	3571.8707	250A0	28000.184	3571.3856	176A0			
27976.294	4573.4346	195A0			27989.067	3571.8038	178A0	28000.309	3571.3697	16480			
27977.101	4573.3316	17080			27989.244	3571.7812	204A0	28000.501	3571.3452	19180			
27977.319	4573.3037	207A0			27989.585	3571.7377	189A0	28000.968	3571.2856	193A0			
27977.533	4573.2764	235A0			27989.946	3571.6917	304A0	28001.249	3571.2698	266A0			
27977.802	4573.2420	291A0			27990.140	3571.6669	189A0	28001.507	3571.2570	328A0			
27977.995	4573.2174	174C8			27990.250	3571.6559	189A0	28001.694	3571.2470	328A0			
27978.353	4573.1717	204A0			27990.466	3571.6253	274A0	28001.789	3571.2310	268A0			
27978.455	4573.1585	208A0			27990.640	3571.6030	241A0	28002.077	3571.2143	254A0			
27978.583	4573.1448	212A0			27990.726	3571.5921	23880	28002.263	3571.2005	205C4			
27978.852	4573.1079	191A0			27990.798	3571.5829	255A0	28002.474	3571.0936	319A0			
27979.011	4573.0875	222A0			27990.901	3571.5667	245C8	28002.665	3571.0693	19980			
27979.081	4573.0787	248A0			27991.051	3571.5506	319A0	28002.817	3571.0499	202A0			
27979.261	4573.0531	138C8			27991.237	3571.5269	178A0	28003.083	3571.0268	19481			
27979.368	4573.0420	15280			27991.356	3571.5117	15380	28003.153	3571.0160	240C8			
27979.788	4572.9683	242A0			27991.617	3571.4744	186A0	28003.401	3569.9755	15880			
27980.028	4572.9577	247A0			27991.702	3571.4655	185A0	28003.493	3569.9638	15880			
27980.113	4572.9469	237C8			27992.186	3571.4459	231A0	28003.803	3569.9242	17080			
27980.273	4572.9265	333A0	32258 7	4275 6 11	27992.292	3571.3983	197A0	28003.898	3569.9121	20380			
27980.447	4572.9037	199A0			27992.591	3571.3541	216A0	28003.986	3569.9009	22980			
27980.553	4572.8833	187C8			27992.892	3571.3157	183A0	28004.084	3569.8884	265A0			
27980.890	4572.8476	271A0			27993.057	3571.2947	176A0	28004.157	3569.8791	23680			
27980.972	4572.8371	22580			27993.380	3571.2534	24580	28004.295	3569.8615	19480			
27981.198	4572.8083	204A0			27993.792	3571.2010	296A0	28004.455	3569.8410	19980			
27981.463	4572.7745	204A0			27994.968	3571.1764	279C8	28004.669	3569.8138	268A0			
27981.686	4572.7460	194A0			27994.083	3571.1638	337A0	28004.804	3569.7866	199A0			
27982.211	4572.6790	214A0											

SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
28005.406	3569.7199	17380		28018.362	3568.0691	27340		28031.230	3566.4311	27400	
28005.469	3569.7118	16680		28018.618	3568.0365	17280		28031.383	3566.4117	19140	
28005.895	3569.6690	24340		28018.768	3568.0174	26040		28031.507	3566.3959	21640	
28005.977	3569.6471	16780		28018.942	3567.9952	18540		28031.740	3566.3662	21340	
28006.241	3569.6135	17780		28019.142	3567.9698	20240		28031.860	3566.3510	18980	
28006.338	3569.6010	18540		28019.435	3567.9325	20540		28032.041	3566.3280	17440	
28006.403	3569.5928	17480		28019.582	3567.9143	16880		28032.967	3566.2102	16280	
28006.650	3569.5611	14908		28019.724	3567.8957	23840		28033.328	3566.1842	27340	28322 5 289 5 2
28006.650	3569.5303	26240		28020.063	3567.8525	17180		28033.375	3566.1583	26580	35038 5 7005 6 1
28007.100	3569.5040	21840	28627 6	28020.431	3567.8057	24740		28033.590	3566.1308	21840	
28007.335	3569.4740	16680		28020.679	3567.7741	22840		28033.802	3566.1040	19840	
28007.548	3569.4469	20040		28021.248	3567.7017	19340		28034.230	3566.0495	22140	
28007.706	3569.4180	18880		28021.844	3567.6257	19480		28034.343	3566.0351	26940	
28007.997	3569.3892	20580		28022.046	3567.6000	20140		28034.605	3566.0017	33440	32310 7 4275 6 11
28008.172	3569.3674	32340	32461 4	28022.237	3567.5757	22040		28034.789	3565.9764	20180	
28008.531	3569.3215	20740		28022.428	3567.5515	24340		28034.918	3565.9650	17880	
28008.590	3569.3129	21840		28022.569	3567.5335	20340		28035.183	3565.9252	19780	
28008.885	3569.2764	21840		28022.861	3567.5035	20340		28035.269	3565.9173	23940	
28008.995	3569.2619	18080		28022.935	3567.4868	25740		28035.661	3565.8674	19780	
28009.116	3569.2471	19840		28023.101	3567.4657	24640	38887 4	28036.173	3565.8024	15080	
28009.261	3569.2286	20840		28023.318	3567.4381	26640	7864 5 1	28036.564	3565.7526	31540	
28009.453	3569.2041	16740		28023.500	3567.4150	19340	38887 4	28036.754	3565.7284	31240	
28009.680	3569.1751	21140		28023.666	3567.3938	17580	5991 4 1	28036.936	3565.7053	22140	
28009.918	3569.1448	17204		28023.802	3567.3765	17640	34016 4	28037.092	3565.6854	25940	
28010.014	3569.1325	21404		28023.955	3567.3571	43380		28037.280	3565.6616	20440	
28010.074	3569.1250	20680		28024.170	3567.3297	16180		28037.361	3565.6512	19480	
28010.187	3569.1106	22408		28024.524	3567.2846	24640		28037.502	3565.6219	26640	
28010.274	3569.0994	33780		28024.719	3567.2659	25840		28037.793	3565.5919	15680	
28010.342	3569.0781	33640	35656 7	28024.938	3567.2319	23340	34016 4	28038.202	3565.5443	19040	
28010.708	3569.0442	31540	2	28025.429	3567.1694	22040		28038.306	3565.5311	21740	
28010.880	3569.0222	21380		28025.672	3567.1394	24240		28038.396	3565.5196	19740	
28011.073	3568.9951	29540		28025.864	3567.1140	22440		28038.587	3565.4953	18980	
28011.453	3568.9492	23340		28026.094	3567.0848	17508		28038.783	3565.4705	16808	
28011.616	3568.9285	20180		28026.248	3567.0551	27040		28038.859	3565.4608	21840	
28011.667	3568.9219	21704		28026.413	3567.0442	18280		28039.082	3565.4324	24940	
28011.853	3568.8983	30440		28026.774	3566.9956	25440		28039.242	3565.4120	16740	
28012.177	3568.8579	14740	2	28027.075	3566.9599	28240		28039.354	3565.3970	14408	
28012.399	3568.8288	18180		28027.388	3566.9200	18940		28039.629	3565.3658	26640	
28012.793	3568.7785	33940	32288 6	28027.935	3566.8524	22240		28039.817	3565.3389	18340	
28012.858	3568.7575	23080		28028.191	3566.8170	15080		28040.027	3565.3204	21140	
28013.051	3568.7456	20408		28028.421	3566.8179	29440		28040.934	3565.1969	23440	31909 3 3868 3 1
28013.522	3568.7233	20880		28028.271	3566.8077	27640		28041.219	3565.1606	16480	
28013.300	3568.7139	22082		28028.433	3566.7870	25340		28041.424	3565.1345	17008	
28013.496	3568.6890	31240		28028.586	3566.7676	21580		28041.617	3565.1100	24340	
28014.089	3568.6134	18140		28028.661	3566.7581	22440		28041.854	3565.0800	21580	
28014.411	3568.5724	21840		28028.746	3566.7472	22980		28041.955	3565.0670	22808	
28014.523	3568.5582	19080		28028.847	3566.7344	21740		28042.118	3565.0464	33340	
28014.766	3568.5272	27480		28029.239	3566.6794	19508		28042.310	3565.0219	24540	32317 5 4275 6 11
28015.511	3568.4322	21080		28029.353	3566.6700	22840		28042.598	3564.9853	24340	
28015.864	3568.3871	21080		28029.434	3566.6597	23780		28043.011	3564.9328	23540	
28016.041	3568.3641	26340		28029.619	3566.6362	25180		28043.194	3564.9096	18940	
28016.239	3568.3603	29840	32469 5	28029.729	3566.6222	29408		28043.427	3564.8800	22140	
28016.539	3568.3503	29840	4453 4 11	28029.975	3566.5909	35880	26650 5	28043.729	3564.8419	22240	37596 5 9583 5 2
28016.743	3568.2754	23240	5762 5 1	28030.172	3566.5689	28280	620 5 11	28043.804	3564.8247	21380	
28016.951	3568.2488	14580		28030.317	3566.5604	26080		28043.861	3564.8247	21200	
28017.042	3568.2372	16980		28030.583	3566.5135	19480		28043.963	3564.8118	21640	
28017.096	3568.2304	16680		28030.645	3566.5056	18908		28044.131	3564.7905	21400	
28017.806	3568.1400	24840		28030.701	3566.4984	20340		28044.227	3564.7783	16940	
28017.973	3568.1186	15608		28030.944	3566.4624	17008		28044.450	3564.7498	20040	
28018.143	3568.0970	24040		28031.082	3566.4520	22440		28044.584	3564.7329	19240	



SIGMA	WL	I	PS	CLASSIFICATION	ION	SIGMA	WL	I	PS	CLASSIFICATION	ION	SIGMA	WL	I	PS	CLASSIFICATION	ION		
28044.724	3564.7151	16580				28055.317	3563.2421	19308				28068.734	3561.6657	16740					
28044.788	3564.7070	16524				28056.456	3563.2244	18740				28069.000	3561.6320	22540					
28044.916	3564.6904	23640				28056.803	3563.1804	17400				28070.152	3561.6126	17080					
28045.179	3564.6572	19440				28056.974	3563.1587	17208				28070.473	3561.5834	21140					
28045.347	3564.6359	17208				28057.169	3563.1338	21640				28070.823	3561.5010	18180					
28045.450	3564.6229	23140				28057.222	3563.1272	20940				28070.125	3561.4892	20280					
28045.511	3564.6151	21008				28057.326	3563.1139	16480				28070.216	3561.4777	21808					
28045.732	3564.5870	30240				28057.467	3563.0960	18540				28070.356	3561.4599	31040					
28045.811	3564.5770	25308				28057.640	3563.0740	14540				28070.500	3561.4417	25880					
28045.915	3564.5637	16780				28057.712	3563.0649	1770				28070.533	3561.4375	25304					
28046.034	3564.5486	17280				28057.908	3563.0400	18140				28070.742	3561.4110	34240	31871 6	3800 7 11			
28046.171	3564.5312	22940				28058.084	3563.0177	16580				28070.916	3561.3888	23040					
28046.434	3564.4977	17780				28058.157	3562.9904	16840				28071.017	3561.3760	21680					
28046.800	3564.4512	22240				28058.245	3562.9646	16880				28071.113	3561.3639	24840					
28047.139	3564.4081	17608				28058.527	3562.9282	17380				28071.372	3561.3310	18640					
28047.218	3564.3981	17608				28058.837	3562.9221	17540				28071.617	3561.2999	18740					
28047.542	3564.3595	20440				28059.031	3562.8975	18240				28071.755	3561.2625	16180					
28047.655	3564.3425	21040				28059.115	3562.8847	18240				28071.859	3561.2717	20340					
28048.045	3564.2930	24240				28059.759	3562.8049	23840				28072.185	3561.2485	18980					
28048.497	3564.2355	18440				28059.902	3562.7868	20240				28072.022	3561.2485	18980					
28048.752	3564.2032	26140				28060.379	3562.7263	28540				28072.620	3561.1727	25140					
28048.987	3564.1733	33140				28060.605	3562.6976	23440				28072.823	3561.1469	21240					
28049.214	3564.1445	22180				28060.782	3562.6781	20140				28072.911	3561.1320	19840					
28049.346	3564.1276	22540				28061.094	3562.6355	17080				28073.001	3561.1244	19108					
28049.458	3564.1135	17008				28061.368	3562.6007	17740				28073.365	3561.0782	19340					
28049.642	3564.0900	25940				28061.960	3562.5285	19308				28073.506	3561.0603	24640					
28050.281	3564.0089	16580				28062.033	3562.5162	22140				28073.813	3561.0213	21040					
28050.434	3563.9894	25140				28062.740	3562.4266	26840				28074.915	3560.9195	25940					
28050.590	3563.9697	17280				28062.983	3562.3987	21140				28074.335	3560.9564	18740					
28050.784	3563.9449	19740				28063.081	3562.3832	21940				28074.918	3560.8825	27240					
28050.971	3563.9211	15108				28063.140	3562.3720	21008				28075.494	3560.8002	20940					
28051.104	3563.9041	22140				28063.250	3562.3617	18640				28075.617	3560.7928	19940					
28051.179	3563.8943	22480				28063.759	3562.2972	18304				28075.817	3560.7671	18440					
28051.266	3563.8837	23740				28063.924	3562.2793	19340				28076.882	3560.6321	23440					
28051.489	3563.8563	24440				28064.329	3562.2248	17140				28077.214	3560.5900	20240					
28051.797	3563.8163	30340				28064.634	3562.1861	18740				28077.406	3560.5657	30140					
28052.114	3563.7757	16880				28065.403	3562.0884	20580				28077.673	3560.5317	20440					
28052.202	3563.7647	16780				28065.472	3562.0787	21740				28077.842	3560.5104	24240					
28052.352	3563.7457	23140				28065.710	3562.0495	24240				28078.475	3560.4301	24608					
28052.442	3563.7355	25240				28065.828	3562.0346	21940				28078.591	3560.4154	21580					
28052.533	3563.7228	26840				28066.250	3561.9810	31540				28078.744	3560.3985	28440					
28052.603	3563.7138	29840				28066.498	3561.9465	20140				28078.801	3560.3887	20408					
28052.689	3563.6775	31440				28066.619	3561.9311	17780				28079.002	3560.3633	18240					
28053.059	3563.6559	34540				28066.987	3561.8928	23304				28079.103	3560.3505	17780					
28053.242	3563.6327	26040				28067.052	3561.8792	24040				28079.250	3560.3318	22180					
28053.331	3563.6214	23740				28067.165	3561.8669	21440				28079.434	3560.3085	32340	34070 3	8091 4 11			
28053.404	3563.6121	22840				28067.249	3561.8562	21140				28079.526	3560.2929	25540					
28053.510	3563.5987	21540				28067.565	3561.8111	32608				28079.611	3560.2856	23040					
28053.732	3563.5705	20240				28067.646	3561.8038	14640				28079.817	3560.2599	22208					
28053.935	3563.5446	21540				28067.810	3561.7830	31740				28079.910	3560.2481	26740					
28054.520	3563.4703	20740				28068.063	3561.7533	28340				28080.044	3560.2309	18980					
28054.719	3563.4451	14608				28068.164	3561.7380	33204				28080.219	3560.2090	23440					
28054.879	3563.4234	22240				28068.256	3561.7284	21360				28080.502	3560.1731	23240					
28054.970	3563.4132	18208				28068.460	3561.7005	23740				28080.688	3560.1495	22440					
28055.137	3563.3920	22740				28068.537	3561.6907	20440											
28055.261	3563.3763	20440																	
28055.644	3563.3273	23040																	
28056.019	3563.2800	17980																	
28056.256	3563.2496	21340																	

SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION			
28080.748	3560.1419	226C8		28092.539	3558.6476	252A0		26105.762	3556.9732	273A0				
28080.960	3560.1150	18AA0		28092.738	3559.6224	264A0		28105.917	3556.9236	197A0				
28081.140	3560.0922	20AA0		28092.909	3558.6007	333A0	32546 3	4453 4 11	28106.144	3556.9249	302A0	32301 5	4275 6 11	
28081.221	3560.0811	230A0		28093.184	3558.5748	215C8		28106.250	3556.9115	245A0				
28081.271	3560.0755	23AA0		28093.184	3558.5659	214A0		28106.325	3556.9021	213C8				
28081.444	3560.0531	16AA0		28093.299	3558.5513	250A0		28106.527	3556.8764	184A0				
28081.548	3560.0405	175H0		28093.443	3558.5330	224A0		28106.767	3556.8436	16580				
28081.740	3560.0161	20A0		28093.564	3558.5178	222A0		28106.869	3556.8332	193A0				
28081.740	3560.0137	29AA0		28093.686	3558.5023	218A0		28107.027	3556.8132	198A0				
28081.970	3559.9849	1780		28093.629	3558.4842	239A0		28107.116	3556.8019	230A0				
28082.290	3559.9654	1780		28094.269	3558.4295	209A0		28107.247	3556.7854	200A0				
28082.374	3559.9387	185A0		28094.424	3558.4081	142A0		28107.556	3556.7462	1730				
28082.549	3559.9136	188A0		28094.959	3558.3411	199A0		28108.232	3556.6607	18480				
28082.763	3559.8864	20980		28095.018	3558.3315	195A0		28108.448	3556.6334	29A0				
28082.816	3559.8797	217A0		28095.206	3558.3098	175C8		28108.654	3556.6073	284A0				
28083.000	3559.8564	185A0		28095.316	3558.2959	216A0		28108.865	3556.5806	251A0				
28083.169	3559.8349	181A0		28095.748	3558.2395	17480		28108.962	3556.5683	242A0				
28083.385	3559.8075	184A0		28095.906	3558.2212	237C8	34344 6	6249 6 1	28109.102	3556.5506	231A0			
28083.620	3559.7564	200A0		28095.960	3558.2143	251A0		28109.250	3556.5412	258A0	32562 4	4453 4 1		
28084.051	3559.7232	224A0		28096.277	3558.1741	251A0		28109.419	3556.5106	260A0				
28084.319	3559.6892	19AA0		28096.569	3558.1371	192A0		28109.545	3556.4946	196A0				
28084.582	3559.6559	205A0		28096.697	3558.1209	199A0		28109.781	3556.4647	212A0				
28084.776	3559.6312	281A0		28096.975	3558.0857	231A0		28109.645	3556.4566	195C8				
28085.449	3559.5460	221A0		28097.388	3558.0334	223A0		28110.308	3556.3980	189A0				
28085.527	3559.5361	190C8		28097.535	3558.0149	311A0		28110.545	3556.3680	217A0				
28085.709	3559.5130	185A0		28097.749	3557.9877	21480		28110.796	3556.3362	244A0				
28085.727	3559.5005	204A0		28097.807	3557.9804	219A0		28111.149	3556.2916	201A0				
28085.967	3559.4803	213A0		28098.037	3557.9513	205A0		28111.292	3556.2736	185C8				
28086.224	3559.4477	269A0		28098.210	3557.9293	210A0		28111.522	3556.2544	268A0				
28086.405	3559.4243	214A0		28098.289	3557.9194	20180		28111.670	3556.2257	200A0				
28086.584	3559.4146	271C8	35684 5	7598 5 2	28098.420	3557.9027	20280	31955 4	3868 3 11	28111.789	3556.2106	210A0		
28086.599	3559.4002	323A0		28098.420	3557.8918	20360		28111.968	3556.1880	276A0	32387 5	4275 6 11		
28086.681	3559.3899	256C8		28098.685	3557.8692	293A0		28112.231	3556.1567	250A0				
28086.778	3559.3775	231A0		28098.908	3557.8409	351A0	28098 6	0 6 11	28112.288	3556.1475	262A0			
28086.903	3559.3617	19180		28099.089	3557.8190	279A0		28112.384	3556.1355	210A0				
28087.003	3559.3490	182A0		28099.351	3557.7849	235A0		28112.561	3556.1130	185A0				
28087.262	3559.3162	273A0		28099.382	3557.7809	21080		28112.705	3556.0948	254A0				
28087.770	3559.2506	194A0		28099.520	3557.7635	216A0		28112.600	3556.0828	18780				
28087.672	3559.2389	1880		28099.523	3557.7505	216A0		28112.979	3556.0602	220A0				
28088.362	3559.1768	198A0		28099.795	3557.7286	220A0		28113.056	3556.0503	232A0				
28088.490	3559.1506	176A0		28099.977	3557.7157	214A0		28113.242	3556.0239	195A0				
28088.692	3559.1350	260A0		28100.085	3557.6919	170A0		28113.100	3556.0448	227C8				
28088.781	3559.1237	204A0		28101.033	3557.5719	247A0		28113.311	3556.0182	182A0				
28089.055	3559.0890	233A0		28101.098	3557.5637	240A0		28113.554	3556.9873	200A0				
28089.227	3559.0671	256A0		28101.255	3557.5438	208A0		28113.712	3556.9675	247C8				
28089.288	3559.0595	263A0		28101.510	3557.5115	213A0		28113.771	3556.9599	281A0	35217 4	7103 3 1		
28089.423	3559.0423	242A0		28101.609	3557.4949	209A0		28113.929	3556.9400	185A0				
28089.571	3559.0236	205A0		28101.857	3557.4675	194A0		28114.081	3556.9207	236A0				
28089.790	3558.9959	254A0		28102.153	3557.4371	184A0		28114.348	3556.9123	258A0	32535 6	4420 5 2		
28089.804	3558.9837	221A0		28102.761	3557.3531	201A0		28114.411	3556.8917	225A0				
28090.295	3558.9313	221A0		28103.026	3557.3196	216A0		28114.525	3556.8645	212C8				
28090.500	3558.9059	17680		28103.125	3557.3070	218A0		28114.627	3556.8517	253A0				
28090.721	3558.8779	209A0		28104.160	3557.1761	171A0		28114.819	3556.8274	338A0	28114 5	0 6 11		
28090.987	3558.8442	186A0		28104.282	3557.1606	204A0		28114.904	3556.8166	259C8				
28091.070	3558.8237	179A0		28104.519	3557.1306	201A0		28114.985	3556.8062	226A0				
28091.219	3558.8148	220A0		28104.729	3557.1041	250A0		28115.085	3556.7938	19480				
28091.743	3558.7485	258A0		28104.986	3557.0717	204A0		28115.468	3556.7453	197A0				
28091.990	3558.7172	215A0	32367 7	4275 6 1	28105.095	3557.0577	231A0	28115.662	3556.7307	17580				
28092.115	3558.7012	213A0		28105.095	3557.0474	254A0		28115.806	3556.7206	204A0				
28092.423	3558.6622	203A0		28105.411	3557.0176	232A0		28116.029	3556.6743	311A0				

SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
28116.349	3555.6340	20980		28125.771	3554.4428	22140		28138.971	3552.7752	19540	
28116.419	3555.6251	24040		28125.893	3554.4274	23140		28139.181	3552.7498	21640	
28116.498	3555.6151	18980		28126.042	3554.4085	27140		28139.662	3552.6858	20540	2
28116.446	3555.5584	20140		28126.126	3554.3986	27140		28139.985	3552.6472	20540	
28117.033	3555.5474	20540		28126.351	3554.3694	16940		28140.254	3552.6133	19540	
28117.107	3555.5380	20740		28126.739	3554.3205	18940		28140.581	3552.5720	20640	
28117.180	3555.5288	22940		28126.868	3554.3041	22640		28140.896	3552.5322	22840	
28117.324	3555.5106	27540		28126.997	3554.2878	25440		28141.248	3552.4816	17240	
28117.497	3555.4888	19240		28127.141	3554.2696	25840		28141.543	3552.4506	18440	
28117.663	3555.4677	23040		28127.612	3554.2101	27940	33794 3	28141.709	3552.4303	18840	
28117.784	3555.4525	24840		28128.182	3554.1341	21940	5837 2	28141.774	3552.4208	19640	
28117.992	3555.4262	18440		28128.965	3554.0391	19440	33794 3	28142.192	3552.3687	20540	32417 7
28118.100	3555.4125	19580		28129.376	3553.9872	20240		28142.304	3552.3545	22240	
28118.143	3555.4070	20380		28129.589	3553.9603	25240		28142.551	3552.3233	21240	
28118.228	3555.3963	21240		28130.022	3553.9056	21440		28142.662	3552.3093	23780	
28118.275	3555.3903	22340		28130.120	3553.8932	21340		28142.744	3552.2989	30840	2
28118.359	3555.3798	22340		28130.540	3553.8402	24440		28142.967	3552.2708	18740	
28118.435	3555.3701	24740	34309 3	28130.640	3553.8275	23440		28143.270	3552.2326	19140	
28118.611	3555.3478	31840	1	28130.775	3553.8105	25140		28143.470	3552.2073	24740	
28118.683	3555.3387	33140	2	28130.933	3553.7904	20440		28143.564	3552.1955	23940	
28118.841	3555.3188	35340	0 6 11	28131.078	3553.7722	25540		28143.600	3552.1910	23582	
28119.019	3555.2953	27840	28118 7	28131.398	3553.7317	16080		28143.802	3552.1655	34240	30438 4
28119.180	3555.2860	26940		28131.542	3553.7110	19080		28143.980	3552.1430	22440	2294 5
28119.192	3555.2792	24780		28131.674	3553.6968	22440		28144.105	3552.1271	19380	
28119.237	3555.2687	23280		28131.765	3553.6854	20140		28144.239	3552.1103	21640	
28119.385	3555.2500	22240		28132.317	3553.6156	23540		28144.509	3552.0762	20340	
28119.544	3555.2273	20140		28132.501	3553.5924	17780		28144.590	3552.0659	21740	
28119.746	3555.1993	19140		28132.895	3553.5426	18140		28144.745	3552.0465	26140	
28120.106	3555.1589	19840		28133.044	3553.5239	18840		28144.794	3552.0403	26040	
28120.208	3555.1460	22740		28133.254	3553.4973	26540		28144.954	3552.0200	20540	
28120.464	3555.1135	24540		28133.334	3553.4872	22680		28145.040	3552.0092	21540	
28120.603	3555.0959	19440		28133.544	3553.4541	24140		28145.612	3551.9370	20440	
28120.918	3555.0562	19340		28133.718	3553.4349	34440	31934 6	28145.938	3551.8959	24440	
28121.133	3555.0214	21540	32574 5	28133.928	3553.4121	24940		28146.082	3551.8777	24940	
28121.451	3555.0141	21340		28134.173	3553.3912	30340		28146.260	3551.8552	21440	
28121.335	3555.0035	18040		28134.453	3553.3458	26240		28146.391	3551.8386	20240	
28121.762	3554.9241	17080		28134.588	3553.3288	20640		28146.612	3551.8108	18440	
28122.117	3554.9046	23640		28134.672	3553.3182	21540		28146.825	3551.7840	29240	
28122.358	3554.8742	32940	1	28134.967	3553.2809	18540		28146.984	3551.7639	21180	
28122.696	3554.8314	20580		28135.121	3553.2614	23540		28147.101	3551.7491	28740	
28122.760	3554.8234	21240		28135.190	3553.2528	20780		28147.274	3551.7273	19480	
28122.925	3554.8025	19540		28135.705	3553.1977	19740		28147.375	3551.7145	18040	
28123.117	3554.7782	21440		28136.005	3553.1597	21440		28147.524	3551.6957	20940	
28123.240	3554.7601	26840		28136.298	3553.1154	23040		28147.621	3551.6834	24840	
28123.433	3554.7382	25540		28136.485	3553.0892	21640		28147.861	3551.6552	22140	
28123.610	3554.7158	21640		28136.591	3553.0758	22740		28148.084	3551.6251	22440	
28124.008	3554.6856	17540		28136.755	3553.0551	19240		28148.243	3551.6050	24740	
28124.102	3554.6537	18580		28136.914	3553.0350	20840		28148.485	3551.5240	24940	
28124.331	3554.6248	20540		28137.115	3553.0096	32640	32412 6	28149.169	3551.4862	18340	
28124.416	3554.6139	17080		28137.155	3553.0036	20840	4275 6 11	28149.448	3551.4530	23640	
28124.703	3554.5777	22040		28137.293	3553.9872	21380		28149.855	3551.4015	18280	
28124.843	3554.5601	20540		28137.443	3553.9503	30140	32591 3	28150.079	3551.3740	18740	
28124.940	3554.5477	22982		28137.733	3553.9117	19780	4453 4 11	28150.340	3551.3404	18240	
28125.137	3554.5229	23640	28748 4	28137.837	3553.9197	19040		28150.455	3551.3259	18640	
28125.323	3554.4993	33940	620 5 11	28137.964	3553.8949	19940		28150.583	3551.3098	21840	
28125.414	3554.4879	25480		28138.105	3553.8647	22040		28150.648	3551.3015	21240	32804 5
28125.500	3554.4770	21640		28138.269	3553.8639	28140		28150.922	3551.2670	25240	4453 4 1
28125.693	3554.4526	19980		28138.345	3553.8544	23680		28151.448	3551.2006	24140	

I PS CLASSIFICATION ION		I PS CLASSIFICATION ION		I PS CLASSIFICATION ION	
SIGMA	WL	SIGMA	WL	SIGMA	WL
28151.664	3551.1731	28162.482	3549.8093	28172.807	3548.5083
28152.107	3551.1175	28162.533	3549.8028	28173.298	3548.4464
28152.446	3551.0749	28162.824	3549.7641	28173.332	3548.4421
28152.524	3551.0668	28165.930	3549.7528	28173.522	3548.4178
28152.780	3551.0436	28165.940	3549.7369	28173.608	3548.4071
28152.780	3551.0336	28165.944	3549.7170	28173.696	3548.3962
28152.875	3551.0201	28165.998	3549.6686	28173.802	3548.3829
28153.106	3550.9915	28165.954	3549.6615	28173.890	3548.3718
28153.176	3550.9827	28165.764	3549.6477	28174.089	3548.3567
28153.265	3550.9714	28163.943	3549.6251	28174.235	3548.3394
28153.395	3550.9550	28164.048	3549.6119	28174.308	3548.3192
28153.508	3550.9407	28164.154	3549.5985	28174.410	3548.3064
28153.672	3550.9201	28164.311	3549.5787	28174.558	3548.2877
28153.813	3550.9023	28164.415	3549.5655	28174.754	3548.2630
28154.079	3550.8668	28164.580	3549.5448	28174.936	3548.2401
28154.274	3550.8411	28164.767	3549.5212	28175.076	3548.2275
28154.447	3550.8223	28164.957	3549.4973	28175.279	3548.2165
28154.721	3550.7872	28165.135	3549.4724	28175.447	3548.1908
28154.868	3550.7692	28165.470	3549.4326	28175.472	3548.1726
28154.962	3550.7574	28165.562	3549.4211	28175.678	3548.1465
28155.026	3550.7493	28165.714	3549.4019	28175.741	3548.1387
28155.382	3550.7045	28165.937	3549.3738	28175.794	3548.1321
28155.815	3550.6498	28166.258	3549.3334	28176.075	3548.0966
28155.924	3550.6358	28166.361	3549.3204	28176.148	3548.0873
28156.162	3550.6050	28166.591	3549.2914	28176.653	3548.0239
28156.248	3550.5953	28166.884	3549.2544	28176.833	3548.0004
28156.335	3550.5812	28167.030	3549.2349	28177.263	3547.9871
28156.422	3550.5732	28167.090	3549.2285	28177.342	3547.9371
28156.490	3550.5667	28167.302	3549.2018	28177.709	3547.8909
28156.749	3550.5320	28167.478	3549.1796	28177.919	3547.8645
28156.917	3550.5108	28167.634	3549.1605	28178.103	3547.8413
28157.258	3550.4678	28167.784	3549.1411	28178.183	3547.8017
28157.449	3550.4437	28167.868	3549.1305	28178.418	3547.8017
28157.572	3550.4283	28168.030	3549.1101	28178.502	3547.7910
28157.758	3550.4049	28168.107	3549.1003	28178.711	3547.7668
28157.838	3550.3927	28168.412	3549.0619	28178.865	3547.7453
28158.142	3550.3732	28168.589	3549.0270	28178.980	3547.7308
28158.464	3550.3564	28168.880	3549.0030	28179.210	3547.7019
28158.667	3550.3158	28169.116	3548.9732	28179.573	3547.6562
28158.746	3550.2802	28169.403	3548.9118	28180.046	3547.5967
28158.746	3550.2602	28169.688	3548.8912	28180.130	3547.5860
28158.895	3550.2615	28169.839	3548.8821	28180.343	3547.5593
28159.179	3550.2256	28169.916	3548.8724	28180.471	3547.5432
28159.279	3550.2130	28170.091	3548.8503	28180.551	3547.5331
28159.406	3550.1970	28170.346	3548.8183	28180.687	3547.5150
28159.602	3550.1732	28170.471	3548.8133	28180.962	3547.4813
28159.864	3550.1493	28170.671	3548.7773	28181.044	3547.4711
28160.003	3550.1218	28170.832	3548.7570	28181.340	3547.4338
28160.074	3550.1125	28170.902	3548.7462	28181.590	3547.4023
28160.205	3550.0963	28171.090	3548.7246	28181.672	3547.3919
28160.270	3550.0880	28171.193	3548.7116	28182.007	3547.3317
28160.469	3550.0630	28171.361	3548.6904	28182.310	3547.3117
28160.550	3550.0520	28171.454	3548.6774	28182.310	3547.2801
28160.647	3550.0405	28171.770	3548.6389	28182.934	3547.2331
28160.771	3550.0250	28171.966	3548.6142	28183.066	3547.2164
28161.097	3549.9586	28172.139	3548.5924	28183.143	3547.2068
28161.611	3549.9150	28172.216	3548.5826	28183.273	3547.1904
28161.683	3549.9099	28172.281	3548.5745	28183.439	3547.1695
28162.323	3549.8292	28172.580	3548.5620	28183.585	3547.1511
		28172.723	3548.5189	28183.725	3547.1334
				28183.963	3547.1035

SIGMA	WL	I PS	CLASSIFICATION	ION	SIGMA	WL	I PS	CLASSIFICATION	ION	SIGMA	WL	I PS	CLASSIFICATION	ION
28184.035	3547.0945	22890			28194.719	3545.7504	26640			28206.591	3544.42579	25940		
28184.355	3547.0543	28540			28194.887	3545.7292	18340			28206.813	3544.2300	27340		
28184.502	3547.0358	20190			28194.970	3545.7188	19140			28207.002	3544.2063	30140	34490 6	6183 6 2
28184.545	3547.0304	20940			28195.182	3545.6921	37440			28207.118	3544.1917	22008		
28184.749	3547.0066	20940			28195.376	3545.6677	30940			28207.327	3544.1655	27640		
28184.939	3546.9808	20940			28195.450	3545.6585	32040	32640 5	4453 4 11	28207.517	3544.1417	24540		
28185.048	3546.9671	24040			28195.592	3545.6406	24680			28207.694	3544.1194	25540		
28185.186	3546.9497	21440			28195.717	3545.6249	19140			28207.920	3544.0910	21840		
28185.458	3546.9184	19440			28195.942	3545.6092	19640			28208.044	3544.0753	21940		
28185.577	3546.9004	24340			28195.978	3545.5921	23040			28208.222	3544.0530	19680		
28185.696	3546.8855	24740			28196.159	3545.5699	28640			28208.381	3544.0330	26340		
28186.156	3546.8276	19008			28196.314	3545.5499	19340			28208.542	3544.0129	20440		
28186.243	3546.8107	23840			28196.419	3545.5366	23640			28208.678	3543.9706	21940		
28196.448	3545.7908	21140			28196.594	3545.5145	25340			28209.086	3543.9444	18490		
28186.640	3546.7667	30940			28196.786	3545.4904	34240	28817 5	620 5 11	28209.324	3543.9165	29440		
28186.841	3546.7415	20140			28196.943	3545.4707	25280			28209.540	3543.8974	20240		
28186.935	3546.7296	18180			28197.075	3545.4541	25740			28209.621	3543.8872	20740		
28187.151	3546.7024	24140			28197.243	3545.4330	33740	32472 6	4275 6 11	28209.729	3543.8637	22940		
28187.344	3546.6781	34440	29936 5	1749 6 22	28197.427	3545.4098	21040			28209.874	3543.8435	19040		
28187.547	3546.6526	30540		1	28197.650	3545.3944	20140			28210.054	3543.8229	20080		
28187.670	3546.6371	29940			28197.667	3545.3796	22540			28210.225	3543.8014	29440		
28187.789	3546.6221	23604			28197.768	3545.3670	19540			28210.403	3543.7790	24140		
28187.849	3546.6145	22440			28197.959	3545.3430	19740			28210.603	3543.7539	23340		
28187.950	3546.6019	20740			28198.126	3545.3219	17580			28210.816	3543.7271	32440	35536 7	7326 7 11
28188.149	3546.5768	28140			28198.205	3545.3120	18280			28210.914	3543.7149	24308		
28188.355	3546.5510	35640	28184 6	0 6 11	28198.320	3545.2975	19340			28211.118	3543.6892	29840		
28188.579	3546.5233	28140			28198.459	3545.2789	28240			28211.291	3543.6675	20840		
28188.696	3546.5080	29840			28198.671	3545.2535	20240			28211.413	3543.6431	21540		
28188.840	3546.4899	22740			28198.803	3545.2269	22440			28211.535	3543.6188	22840		
28189.046	3546.4640	25140			28198.982	3545.1892	24040			28211.944	3543.5541	18740		
28189.198	3546.4449	33140			28199.715	3545.1231	19840			28212.443	3543.5228	23040		
28189.379	3546.4221	21140		1	28200.676	3545.0831	22340			28212.541	3543.5104	21040		
28189.556	3546.3999	24740			28201.384	3545.0380	19040			28212.690	3543.4917	22840		
28189.723	3546.3788	30440			28201.603	3545.0106	23640			28212.800	3543.4780	22140		
28189.890	3546.3577	19740			28201.748	3544.9923	24640			28213.070	3543.4440	30040		
28190.032	3546.3399	24040			28201.825	3544.9826	29840			28213.400	3543.4025	25140		
28190.258	3546.3116	20540			28201.864	3544.9772	29840			28213.568	3543.3815	33240		
28190.955	3546.2615	26940			28201.920	3544.9575	20640			28213.755	3543.3579	22640		
28190.999	3546.2434	18108			28201.900	3544.9476	19640			28213.872	3543.3432	22604		
28190.914	3546.2284	19840			28201.999	3544.9351	17740			28214.075	3543.3178	33240		
28191.046	3546.2123	24440			28202.244	3544.9043	25540			28214.252	3543.2955	20640		
28191.130	3546.2018	18880			28202.392	3544.8857	19440			28214.528	3543.2609	21140		
28191.215	3546.1906	19240			28202.470	3544.8758	20240			28214.702	3543.2390	22680		
28191.429	3546.1642	26440			28202.670	3544.8486	17940			28214.939	3543.2093	33640	32490 7	4275 6 11
28191.628	3546.1392	35340			28202.866	3544.8236	19440			28215.123	3543.1862	22740		
28191.770	3546.1213	30240			28203.002	3544.8116	29940			28215.198	3543.1767	22080		
28191.991	3546.1041	23008			28203.302	3544.7713	30940			28215.355	3543.1570	32440	33475 6	5259 7 22
28191.930	3546.1000	22780			28203.439	3544.7472	20940			28215.624	3543.1208	22140		
28192.073	3546.0832	25540			28203.635	3544.7295	25340			28215.884	3543.0936	32240	32016 7	3800 7 11
28192.241	3546.0640	19540			28203.904	3544.6957	23640			28216.067	3543.0676	20240		
28192.484	3546.0314	20340			28204.084	3544.6755	20140			28216.178	3543.0537	20740		
28192.681	3546.0067	22340			28204.211	3544.6570	22508			28216.446	3543.0200	18490		
28193.120	3545.9515	19540			28204.293	3544.6467	19640			28216.498	3543.0134	18240		
28193.338	3545.9240	27740			28204.671	3544.6092	21740			28216.715	3542.9863	19540		
28193.430	3545.9124	26940			28204.974	3544.6006	19940			28216.927	3542.9596	18540		
28193.944	3545.8478	30740	32469 5	4275 6 11	28205.078	3544.6486	20340			28217.064	3542.9427	22080		
28194.117	3545.8261	18740			28205.170	3544.6365	21640			28217.169	3542.9317	27740		
28194.243	3545.8102	19940			28205.400	3544.6077	21840			28217.231	3542.9214	23380		
28194.394	3545.7913	25240			28205.267	3544.5986	19940			28217.457	3542.8931	29940		
28194.654	3545.7586	27540			28205.467	3544.5710	23440							

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SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
28217.635	3542.8707	221A0	28230.238	3541.2691	279A0	28241.141	3539.9218	184B0
28217.955	3542.8305	243A0	28230.330	3541.2775	252A0	28241.145	3539.8862	181B0
28218.024	3542.8194	243A0	28230.558	3541.2449	231A0	28241.513	3539.8753	182B0
28218.299	3542.7883	176C8	28230.691	3541.2323	219A0	28242.098	3539.8019	184A0
28218.481	3542.7645	241A0	28230.809	3541.2175	235A0	28242.356	3539.7695	201A0
28218.674	3542.7402	215A0	28231.069	3541.1848	216A0	28242.420	3539.7616	207B0
28219.452	3542.7179	327A0	28231.116	3541.1749	231C8	28242.591	3539.7401	182B0
28219.016	3542.6974	203B0	28231.245	3541.1626	219A0	28242.761	3539.7187	194A0
28219.280	3542.6642	269A0	28231.443	3541.1379	211A0	28242.966	3539.6930	293A0
28219.380	3542.6517	210C8	28231.550	3541.1244	193A0	28243.058	3539.6915	2512C
28219.442	3542.6416	193C8	28231.627	3541.0897	145A0	28243.161	3539.6686	283B0
28219.539	3542.6316	180A0	28232.177	3541.0448	183C8	28243.301	3539.6510	343A0
28219.639	3542.6192	194A0	28232.345	3541.0247	254A0	28243.471	3539.6294	253A0
28219.781	3542.6013	247C8	28232.485	3541.0072	240A0	28243.603	3539.6132	203A0
28219.842	3542.5937	260A0	28232.584	3540.9847	238A0	28243.756	3539.5999	191A0
28220.027	3542.5704	344A0	28232.755	3540.9733	213A0	28243.756	3539.5940	196C8
28220.1217	3542.5665	240A0	28233.029	3540.9389	192A0	28243.883	3539.5831	195A0
28220.314	3542.5339	235A0	28233.973	3540.8216	254A0	28243.944	3539.5705	187A0
28220.381	3542.5260	255C8	28234.041	3540.8170	247B0	28244.026	3539.5602	193A0
28220.609	3542.4974	324A0	28234.117	3540.7272	191A0	28244.145	3539.5454	183A0
28220.774	3542.4767	216A0	28234.892	3540.7053	176B0	28244.270	3539.5397	203A0
28221.064	3542.4403	185A0	28234.984	3540.6937	21050	28244.578	3539.4910	284A0
28221.279	3542.4233	218A0	28235.118	3540.6749	195A0	28244.644	3539.4820	248A0
28221.449	3542.3894	536A0	28235.267	3540.6583	211A0	28244.924	3539.4477	252A0
28221.638	3542.3692	218B0	28235.500	3540.6290	311A0	28245.079	3539.4283	236A0
28221.721	3542.3578	229A0	28235.676	3540.6077	279A0	28245.231	3539.4092	184B0
28221.990	3542.3241	268A0	28235.883	3540.5811	263A0	28245.461	3539.3804	283A0
28222.627	3542.2840	224A0	28236.046	3540.5581	198A0	28245.621	3539.3604	224A0
28223.169	3542.2234	309A0	28236.284	3540.5307	180B0	28245.793	3539.3388	202A0
28223.268	3542.1636	223A0	28236.371	3540.5199	143A0	28245.899	3539.3256	184A0
28223.512	3542.1330	222A0	28236.604	3540.4904	337A0	28245.996	3539.3134	194A0
28223.602	3542.1212	222A0	28236.797	3540.4644	339A0	28246.054	3539.3011	231A0
28223.641	3542.1168	230B0	28237.046	3540.4352	219C4	28246.341	3539.2698	197A0
28223.844	3542.0913	336A0	28237.046	3540.4352	219C4	28246.725	3539.2520	287A0
28224.007	3542.0709	236A0	28237.121	3540.4271	459A0	28246.814	3539.2359	287A0
28224.256	3542.0397	182B0	28237.396	3540.3913	223A0	28246.934	3539.1958	282A0
28224.784	3541.9734	199A0	28237.539	3540.3734	258C8	28247.107	3539.1741	198A0
28224.870	3541.9625	181A0	28237.623	3540.3629	319A0	28247.187	3539.1641	177B0
28224.954	3541.9518	186B0	28237.712	3540.3516	232C8	28247.621	3539.1097	230A0
28225.330	3541.9048	217A0	28237.842	3540.3354	189C8	28247.752	3539.0733	206A0
28225.478	3541.8862	304A0	28237.940	3540.3276	193A0	28248.256	3539.0302	185B0
28225.554	3541.8764	236A0	28238.048	3540.3095	200A0	28248.606	3539.9863	251A0
28225.776	3541.8489	177B0	28238.132	3540.2990	200A0	28248.774	3539.9453	233A0
28225.936	3541.8292	152A0	28238.226	3540.2921	211A0	28248.857	3539.9448	195A0
28226.046	3541.8150	254A0	28238.310	3540.2821	211A0	28249.262	3539.9141	221A0
28226.153	3541.8016	254A0	28238.406	3540.2713	213C8	28249.560	3539.8667	213A0
28226.312	3541.7865	203A0	28238.682	3540.2308	215A0	28249.718	3539.8670	246A0
28226.792	3541.7213	183A0	28238.815	3540.2008	233A0	28249.511	3539.8429	218A0
28227.743	3541.6020	183A0	28239.052	3540.1837	195A0	28250.297	3539.7744	210A0
28228.367	3541.5237	212A0	28239.263	3540.1573	216A0	28250.383	3539.7637	198A0
28228.449	3541.5135	184B0	28239.503	3540.1272	256A0	28250.449	3539.7554	201A0
28228.824	3541.4661	215A0	28239.790	3540.0911	208A0	28250.564	3539.7410	177B0
28229.015	3541.4425	194A0	28239.961	3540.0697	239A0	28250.998	3539.6866	253A0
28229.076	3541.4348	189A0	28240.336	3540.0227	229A0	28251.328	3539.6453	236A0
28229.308	3541.4057	184A0	28240.444	3540.0227	336A0	28251.468	3539.6349	223A0
28229.544	3541.3760	184A0	28240.703	3540.0077	220B0	28251.648	3539.6153	316A0
28229.669	3541.3374	235A0	28240.733	3540.0077	202B0	28251.817	3539.5811	192A0
28229.786	3541.3059	271A0	28240.849	3540.0084	184A0	28252.042	3539.5599	186A0
28229.998	3541.2859	191A0	28240.990	3540.0077	222A0	28252.105	3539.5481	192A0
28229.998	3541.2859	191A0	28241.096	3540.0077	183A0	28252.324	3539.5206	262A0

SIGNA	WL	I PS	CLASSIFICATION ION	SIGNA	WL	I PS	CLASSIFICATION ION	SIGNA	WL	I PS	CLASSIFICATION ION
28252.632	3538.4819	19190		28264.323	3537.0183	18940		28280.150	3535.0388	23240	
28252.642	3538.4557	28940		28264.440	3537.0036	17880		28280.310	3535.0188	19040	
28253.078	3538.4261	27100		28265.764	3536.8390	20340		28280.539	3534.9902	19740	
28253.171	3538.4145	286.7		28265.949	3536.8149	21540		28280.727	3534.9666	28740	
28253.462	3538.3791	26640		28266.068	3536.8000	25410		28280.890	3534.9463	21340	
28253.596	3538.3612	22940		28266.474	3536.7491	16840		28281.050	3534.9263	19340	
28253.963	3538.3153	20940		28266.678	3536.7237	17840		28281.140	3534.9150	19540	
28254.173	3538.2890	32640	34016 4	28266.839	3536.7035	17940		28281.354	3534.8883	19740	
28254.398	3538.2608	29740		28266.927	3536.6925	20440		28281.694	3534.8458	18240	
28254.607	3538.2347	33340	28874 6	28267.139	3536.6585	19440		28281.944	3534.8146	21040	
28254.811	3538.2091	29940	33781 6	28267.399	3536.6335	22740		28282.171	3534.7862	21040	
28254.946	3538.1921	23640		28267.495	3536.6227	17480		28282.437	3534.7530	19400	
28255.214	3538.1586	25740		28267.577	3536.6112	20940		28282.521	3534.7424	24240	
28255.300	3538.1479	27940		28267.874	3536.6741	30940		28282.709	3534.7189	19040	
28255.664	3538.1023	23640	30550 5	28267.968	3536.6623	21900		28283.062	3534.6748	19140	
28255.707	3538.0969	23040		28268.160	3536.6393	20840		28283.218	3534.6553	19540	
28255.785	3538.0871	21340		28268.846	3536.4524	19140		28283.416	3534.6305	20440	
28255.902	3538.0725	23740		28269.141	3536.4154	19540		28283.614	3534.6059	19540	
28256.048	3538.0542	18340		28269.445	3536.3774	21440		28283.809	3534.5815	19040	
28256.304	3538.0322	20340		28269.753	3536.3349	21940		28283.970	3534.5613	27240	
28256.556	3538.0051	20940		28271.068	3536.1744	18100		28284.407	3534.5068	32040	35930 9 7645 8 1
28256.537	3537.9930	19440		28271.210	3536.1567	20840		28284.495	3534.4957	23000	
28256.613	3537.9835	19940		28271.463	3536.1251	19440		28284.600	3534.4826	18980	
28256.890	3537.9487	20640		28271.537	3536.1158	17480		28284.762	3534.4623	23440	
28256.995	3537.9356	17640		28271.846	3536.0772	27140		28285.056	3534.4257	26140	
28257.217	3537.9079	17400		28272.345	3536.0147	20200		28285.155	3534.4132	21540	
28257.902	3537.8220	28240		28272.514	3535.9935	30140		28285.583	3534.3597	28140	
28258.100	3537.7973	19300		28272.696	3535.9708	33940	32141 4 306M 3 11	28285.784	3534.3446	34640	20285 7 0 6 11
28258.320	3537.7697	30840	32050 8	28272.872	3535.9400	27300		28285.962	3534.3124	26940	
28258.491	3537.7463	19940		28273.072	3535.9089	23000		28286.148	3534.2823	26240	
28258.861	3537.7032	20440		28273.945	3535.8372	24900		28286.341	3534.2550	17680	
28259.288	3537.6489	18440		28273.100	3535.8203	17680		28286.432	3534.2538	18640	
28259.424	3537.6313	22840		28273.399	3535.8829	23440		28286.511	3534.2438	18680	
28259.694	3537.5977	17900		28273.575	3535.8609	26640		28286.718	3534.2100	18340	
28260.354	3537.5151	18940		28273.809	3535.8316	33940	28594 5	28286.901	3534.1951	21940	
28260.655	3537.4774	20480		28273.995	3535.8083	22740		28287.077	3534.1731	25140	
28260.758	3537.4645	23900		28274.162	3535.7875	23240		28287.360	3534.1377	20340	
28260.889	3537.4481	32240	2	28274.370	3535.7615	17480		28287.444	3534.1273	19200	
28261.074	3537.4250	21780		28274.681	3535.7225	27040		28287.527	3534.1169	23440	
28261.270	3537.4004	29440		28274.934	3535.6929	25840		28287.613	3534.1051	22840	
28261.463	3537.3763	23900		28275.154	3535.6634	21440		28287.771	3534.0864	18940	
28261.510	3537.3697	25240		28275.312	3535.6435	25240		28287.937	3534.0656	26240	
28261.701	3537.3455	34140	32537 7	28275.601	3535.6076	17340		28288.232	3534.0257	24840	
28261.892	3537.3151	27640	4275 6 11	28275.840	3535.5652	18200		28288.044	3533.9273	23740	
28262.168	3537.2858	34840	28262 5	28276.270	3535.5239	19940		28289.199	3533.9050	20340	
28262.346	3537.2658	24840	0 6 11	28276.458	3535.5004	26640		28289.599	3533.8561	23840	
28262.425	3537.2560	23580		28276.617	3535.4805	33140		28289.691	3533.8465	28340	
28262.474	3537.2497	21780		28276.695	3535.4708	28780		28289.953	3533.8138	15440	
28262.523	3537.2436	19580		28276.782	3535.4599	23340		28290.116	3533.7934	19740	
28262.616	3537.2320	20040		28277.123	3535.4173	19240		28290.157	3533.7883	19480	
28263.012	3537.1824	18440		28277.229	3535.4039	18840		28290.368	3533.7619	31040	
28263.304	3537.1458	19440		28277.361	3535.3875	19840		28290.447	3533.7521	23580	
28263.427	3537.1305	21040		28277.445	3535.3749	23240		28290.529	3533.7419	20380	
28263.571	3537.1124	20540		28277.716	3535.3431	18040	4453 4 11	28290.617	3533.7031	21640	32159 3 3068 3 1
28263.644	3537.1033	21800		28278.349	3535.2639	27440	32731 5	28290.941	3533.6903	20240	
28263.759	3537.0889	24840		28278.650	3535.2623	27440		28291.136	3533.6661	20940	
28263.870	3537.0750	27640		28279.141	3535.2263	28240		28291.324	3533.6425	18780	
28264.039	3537.0538	33840	1	28279.314	3535.1649	19180		28291.324	3533.6425	20240	
28264.125	3537.0431	25100		28279.414	3535.1433	18000		28291.377	3533.6359	20480	
28264.227	3537.0303	20140		28279.623	3535.1046	23340		28291.451	3533.6267	19780	

SIGNA	HL	I PS CLASSIFICATION ION	SIGMA	HL	I PS CLASSIFICATION ION	SIGMA	HL	I PS CLASSIFICATION ION
28291.561	3533.6129	2440	28302.499	3572.2473	2190A	28313.575	3530.8654	31740
28291.732	3533.5915	2730A	28302.737	3572.2176	2190A	28313.609	3530.8963	25940
28291.938	3533.5659	3440A	28302.997	3572.1851	2830A	28313.922	3530.8821	2530A
28292.112	3533.5441	2530A	28303.210	3572.1586	2240A	28314.389	3530.7840	2320A
28292.259	3533.5258	2210A	28303.383	3572.1349	2060A	28314.694	3530.7259	2230A
28292.313	3533.5191	2140A	28303.589	3572.1112	1910A	28314.794	3530.7135	1970A
28292.501	3533.4955	2260A	28303.858	3572.0777	2650A	28315.000	3530.6878	18680
28292.640	3533.4746	1870A	28304.018	3572.0577	2430A	28315.098	3530.6758	19280
28292.874	3533.4490	1840A	28304.135	3572.0431	2830A	28315.332	3530.6464	2370A
28293.035	3533.4289	2050A	28304.395	3572.0107	2280A	28315.469	3530.6292	2970A
28293.124	3533.4177	1940A	28304.517	3571.9829	2570A	28315.555	3530.6185	25080
28293.209	3533.4071	1900A	28304.762	3571.9649	2270A	28315.929	3530.5719	21258
28293.361	3533.3882	1930A	28304.829	3571.9565	2660A	28315.979	3530.5857	22140
28293.441	3533.3782	1880A	28305.007	3571.9343	1920A	28316.185	3530.5399	3380A
28293.632	3533.3543	18980	28305.358	3571.8904	18180	28316.364	3530.5176	22658
28293.769	3533.3372	2730A	28305.529	3571.8692	17480	28316.419	3530.5108	19880
28294.434	3533.2541	2210A	28305.715	3571.8459	16450	28316.575	3530.4913	1530A
28294.674	3533.2240	2570A	28305.932	3571.8189	18480	28316.684	3530.4778	2200A
28294.762	3533.2132	19258	28306.198	3571.7856	1850A	28316.873	3530.4542	2110A
28294.951	3533.1996	1890A	28306.459	3571.7531	2310A	28317.036	3530.4339	1970A
28295.033	3533.1793	1870A	28306.650	3571.7293	2320A	28317.199	3530.4137	1960A
28295.280	3533.1485	2900A	28306.892	3571.6990	2730A	28317.390	3530.3897	2250A
28295.443	3533.1281	1920A	28307.122	3571.6704	2570A	28317.511	3530.3746	1910A
28295.557	3533.1139	2200A	28307.330	3571.6444	3490A	28317.623	3530.3607	18058
28295.803	3533.0832	2030A	28307.936	3571.6043	3360A	28317.744	3530.3456	2040A
28296.097	3533.0464	1860A	28307.913	3571.5842	32780	28317.820	3530.3362	18458
28296.343	3533.0158	2750A	28307.889	3571.5747	19780	28317.944	3530.3206	1960A
28296.461	3533.0010	19158	28307.948	3571.5673	2000A	28318.020	3530.3112	1980A
28296.692	3532.9722	1920A	28308.076	3571.5514	2220A	28318.178	3530.2915	1920A
28296.771	3532.9453	2240A	28308.501	3571.4994	2720A	28318.431	3530.2712	2140A
28296.865	3532.9306	2240A	28308.598	3571.4862	2310A	28318.566	3530.2459	1300A
28297.097	3532.9217	2980A	28308.763	3571.4657	2900A	28318.739	3530.2257	1960A
28297.338	3532.8915	3380A	28308.904	3571.4440	21180	28319.089	3530.1779	1960A
28297.508	3532.8703	2240A	28309.033	3571.4319	2310A	28319.316	3530.1496	1980A
28297.639	3532.8539	2050A	28309.130	3571.4199	2380A	28319.527	3530.1234	2350A
28297.694	3532.8469	1940A	28309.469	3571.3775	19980	28319.755	3530.0949	2650A
28297.980	3532.8113	21658	28309.552	3571.3672	2000A	28319.932	3530.0728	2050A
28298.224	3532.7809	3260A	28309.688	3571.3502	2630A	28320.089	3530.0533	1890A
28298.303	3532.7711	2860A	28309.875	3571.3249	1920A	28320.337	3530.0324	1860A
28298.482	3532.7486	2340A	28309.999	3571.3115	2250A	28320.541	3529.9970	2090A
28298.654	3532.7272	18158	28309.999	3571.2857	1460A	28320.744	3529.9717	2840A
28298.905	3532.6599	2860A	28310.505	3571.2552	17558	28320.85	3529.9477	2540A
28299.164	3532.6435	2140A	28310.587	3571.2361	1940A	28320.988	3529.913	2040A
28299.319	3532.6242	2010A	28310.897	3571.2096	17458	28321.175	3529.879	2380A
28299.363	3532.6287	19480	28310.910	3571.1977	18480	28321.260	3529.8973	2650A
28299.591	3532.6103	3070A	28310.990	3571.1879	1860A	28321.349	3529.8963	20858
28299.777	3532.5870	2780A	28311.143	3571.1697	2310A	28321.624	3529.8620	2090A
28299.990	3532.5604	2070A	28311.401	3571.1366	2490A	28321.756	3529.8455	2290A
28300.084	3532.5487	1920A	28311.401	3571.1366	2490A	28321.880	3529.8300	2330A
28300.478	3532.4996	2960A	28311.606	3571.1110	3480A	28321.966	3529.8193	19380
28300.747	3532.4660	2020A	28311.775	3571.0900	2620A	28322.150	3529.7963	2290A
28300.825	3532.4563	2140A	28311.675	3571.0775	2410A	28322.362	3529.7730	3320A
28301.023	3532.4315	2170A	28312.008	3571.0609	20080	28322.527	3529.7493	2250A
28301.161	3532.4143	2480A	28312.114	3571.0477	2030A	28322.662	3529.7325	2290A
28301.233	3532.4053	2750A	28312.322	3571.0217	2090A	28322.791	3529.7164	1950A
28301.361	3532.3893	19080	28312.622	3570.9844	1990A	28323.118	3529.6757	19580
28301.776	3532.3375	2170A	28312.771	3570.9658	2300A	28323.189	3529.6670	2170A
28301.856	3532.3275	19280	28312.844	3570.9567	2490A	28323.447	3529.6348	2430A
28302.014	3532.3079	2200A	28313.005	3570.9365	2460A	28323.595	3529.6164	2800A
28302.194	3532.2853	2800A	28313.114	3570.9230	2550A	28323.733	3529.5943	2740A
28302.253	3532.2753	2800A	28313.316	3570.8977	20180	28324.463	3529.5181	2950A

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SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
28324.770	3525.4899	29440	28338.139	3527.8047	64340	28351.617	3526.1276	24240
28326.215	3529.2598	20440	28338.526	3527.7815	69840	28351.787	3526.1665	23640
28326.311	3529.2778	19140	28338.522	3527.7570	18240	28351.863	3526.0946	24940
28326.766	3529.2187	21140	28338.728	3527.7314	29740	28352.027	3526.0767	22740
28326.897	3529.2049	21540	28339.002	3527.6973	26680	28352.179	3526.0577	18340
28327.232	3529.1631	20540	28339.353	3527.6536	21628	28352.403	3526.0299	19240
28327.362	3529.1669	25940	28339.485	3527.6372	24228	28352.506	3526.0170	20840
28327.563	3529.1219	25540	28339.571	3527.6245	32140	28352.643	3526.0000	18640
28327.754	3529.0978	24440	28339.839	3527.5941	21340	28353.215	3525.9289	20840
28327.938	3529.0751	27940	28340.071	3527.5643	99440	28353.979	3525.8339	20840
28328.198	3529.0428	28640	28340.307	3527.5348	99440	28354.123	3525.8160	26540
28328.359	3529.0279	29440	28340.493	3527.5118	19008	28354.328	3525.7905	31840
28328.633	3528.9886	20540	28340.593	3527.4993	21328	28354.639	3525.7518	24640
28329.168	3528.9219	25040	28340.731	3527.4820	31040	28354.866	3525.7236	26240
28329.409	3528.8919	19640	28340.927	3527.4577	19240	28355.112	3525.6930	25140
28329.574	3528.8713	19140	28341.043	3527.4433	19340	28355.283	3525.6718	28740
28329.809	3528.8421	20940	28341.326	3527.4090	21740	28355.440	3525.6521	35040
28329.964	3528.8222	30640	28341.568	3527.3779	31440	28355.620	3525.6298	22940
28330.146	3528.8001	20340	28341.960	3527.3291	23040	28355.696	3525.6130	20880
28330.225	3528.7846	19640	28342.066	3527.3159	29240	28355.755	3525.5925	21680
28330.4271	3528.7638	23440	28342.326	3527.2834	23440	28355.883	3525.5722	23140
28330.518	3528.7430	28440	28342.570	3527.2532	30140	28355.956	3525.5581	25840
28330.623	3528.7407	25040	28342.790	3527.2248	24240	28356.304	3525.5447	20440
28330.791	3528.7197	22340	28343.148	3527.1788	23140	28356.387	3525.5344	22840
28330.921	3528.7036	22240	28343.263	3527.1649	29240	28356.663	3525.5001	19440
28331.094	3528.6820	32240	28343.564	3527.1295	28940	28356.783	3525.4852	23440
28331.260	3528.6613	22840	28343.812	3527.0986	19740	28356.886	3525.4725	26640
28331.413	3528.6423	18240	28343.974	3527.0784	19640	28357.037	3525.4674	22140
28331.569	3528.6288	18740	28344.099	3527.0629	19340	28357.390	3525.4097	18940
28332.225	3528.5411	17328	28344.327	3527.0345	35340	28357.616	3525.3816	19840
28332.477	3528.5172	22540	28344.622	3526.9928	57040	28357.750	3525.3650	18480
28332.562	3528.4991	21940	28344.807	3526.9748	52540	28357.931	3525.3525	20240
28332.921	3528.4918	22140	28344.972	3526.9543	35840	28358.274	3525.2999	22140
28332.747	3528.4761	27140	28345.283	3526.9156	18380	28358.485	3525.2737	21740
28333.092	3528.4332	17640	28345.353	3526.9069	18740	28358.670	3525.2506	21140
28333.288	3528.4087	21640	28345.992	3526.8273	27740	28358.823	3525.2316	20740
28333.501	3528.3823	21240	28346.226	3526.7983	27140	28358.909	3525.2209	19340
28333.766	3528.3492	26940	28346.593	3526.7526	49280	28359.136	3525.1927	29840
28334.003	3528.3196	25740	28346.841	3526.7217	23240	28359.342	3525.1671	22540
28334.129	3528.3047	23440	28347.209	3526.6760	22940	28359.432	3525.1559	24940
28334.209	3528.2961	21240	28347.379	3526.6672	20728	28359.516	3525.1455	26180
28334.447	3528.2645	19340	28347.551	3526.6334	26140	28359.610	3525.1337	31640
28334.548	3528.2519	21340	28347.845	3526.5968	33640	28359.816	3525.1182	21940
28334.763	3528.2251	21940	28348.028	3526.5740	22080	28359.985	3525.0872	18428
28334.862	3528.2103	18128	28348.109	3526.5640	24540	28360.247	3525.0545	22640
28335.104	3528.1826	19928	28348.175	3526.5558	22680	28360.405	3525.0349	18840
28335.243	3528.1653	26240	28348.368	3526.5318	22340	28360.616	3525.0087	25540
28335.432	3528.1417	34140	28348.445	3526.5221	24540	28360.697	3524.9987	20580
28335.594	3528.1216	22480	28348.853	3526.4714	20428	28360.931	3524.9696	25840
28335.692	3528.1094	19840	28348.978	3526.4558	26140	28361.117	3524.9464	18340
28335.748	3528.1024	20140	28349.099	3526.4409	30540	28361.117	3524.9464	18340
28335.969	3528.0749	29540	28349.333	3526.4117	22140	28361.440	3524.9259	23340
28336.064	3528.0531	21528	28349.753	3526.3545	20040	28361.440	3524.9259	23340
28336.321	3528.0311	19840	28350.127	3526.3092	61640	28361.558	3524.8916	20440
28336.487	3528.0105	22528	28350.458	3526.2755	22740	28361.959	3524.8417	19440
28336.620	3527.9938	29240	28350.535	3526.2755	22740	28361.999	3524.8369	19381
28336.866	3527.9677	29840	28350.535	3526.2622	21340	28362.390	3524.7982	22340
28337.033	3527.9477	23740	28350.883	3526.2487	24140	28362.521	3524.7720	27340
28337.604	3527.8677	23740	28350.883	3526.2184	19280	28362.521	3524.7632	23780
28337.804	3527.8465	23740	28350.959	3526.2094	20240	28362.798	3524.7375	19940
28337.950	3527.8263	18980	28351.131	3526.1881	22640	28362.946	3524.7191	20428

I PS CLASSIFICATION ION			I PS CLASSIFICATION ION			I PS CLASSIFICATION ION		
SIGMA	WL	PS	SIGMA	WL	PS	SIGMA	WL	PS
28363.069	1524.7038	255C8	28378.572	3522.7782	216A0	28392.682	3521.9275	333A0
28363.136	1524.6955	252A0	28378.604	3522.7495	188B0	28392.869	3521.9093	32193 6 3000 7 11
28363.201	1524.6875	257A0	28378.913	3522.7360	191A0	28393.067	3520.9798	252A0
28363.534	1524.6460	313A0	28379.224	3522.6973	258A0	28393.388	3520.9400	285A0
28363.726	1524.6222	217A0	28379.428	3522.6720	346A0	28393.437	3520.9340	252A0
28363.836	1524.6086	204A0	28379.567	3522.6547	254B0	28393.909	3520.8754	201A0
28364.254	1524.5566	213A0	28379.611	3522.6403	247B0	28394.084	3520.8537	208C8
28364.423	1524.5355	211A0	28379.738	3522.6336	210C8	28394.174	3520.8426	242R0
28364.756	1524.4942	190A0	28379.834	3522.6217	197A0	28394.272	3520.8279	314A0
28364.907	1524.4754	229C8	28380.015	3522.5992	224B0	28394.655	3520.7867	331A0
28364.908	1524.4654	229A0	28380.223	3522.5794	346A0	28394.750	3520.7661	208A0
28365.164	1524.4435	235A0	28380.700	3522.5514	217B0	28395.082	3520.7348	216A0
28365.352	1524.4239	191B0	28380.701	3522.5140	242A0	28395.227	3520.7120	226A0
28365.390	1524.4155	184C8	28380.890	3522.4945	245A0	28395.312	3520.7024	216A0
28365.463	1524.4063	191A0	28381.328	3522.4361	210A0	28395.450	3520.6843	189A0
28365.572	1524.3929	197A0	28381.481	3522.4172	274A0	28395.527	3520.6748	184C8
28365.832	1524.3605	238A0	28381.545	3522.4093	272A0	28395.650	3520.6595	207A0
28366.024	1524.3367	181B0	28381.694	3522.3947	196A0	28395.817	3520.6388	216A0
28366.609	1524.2528	233A0	28382.070	3522.3441	194A0	28395.975	3520.6192	197A0
28366.845	1524.2347	277A0	28382.313	3522.3139	233A0	28396.122	3520.6009	196R0
28367.051	1524.2051	244A0	28382.468	3522.2947	221A0	28396.309	3520.5778	191C8
28367.194	1524.1908	248A0	28382.576	3522.2813	235C8	28397.721	3520.5028	211A0
28367.518	1524.1510	195A0	28382.705	3522.2653	316A0	28397.967	3520.4723	203A0
28368.073	1524.0820	187A0	28382.854	3522.2468	194C8	28398.240	3520.4384	225A0
28368.224	1524.0634	259A0	28382.854	3522.1977	229A0	28398.587	3520.2954	234A0
28368.721	1524.0016	191A0	28383.405	3522.1784	198A0	28398.685	3520.2933	245R0
28369.163	1523.9466	247A0	28383.845	3522.1238	244A0	28398.753	3520.2748	261A0
28369.647	1523.8866	196A0	28384.009	3522.1035	194A0	28398.925	3520.2535	187R0
28370.120	1523.8279	288A0	28384.122	3522.0895	219A0	28399.130	3520.2281	201A0
28370.257	1523.8106	221A0	28384.293	3522.0642	223A0	28399.347	3520.2011	260A0
28370.670	1523.7596	234A0	28384.434	3522.0502	241A0	28399.831	3520.1412	199A0
28371.308	1523.6803	207A0	28384.697	3522.0265	256B0	28400.193	3520.0964	198A0
28371.351	1523.6699	218A0	28384.902	3521.9809	198A0	28400.294	3520.0838	194A0
28371.645	1523.6294	218R0	28385.450	3521.9247	197A0	28400.522	3520.0555	204A0
28371.754	1523.5249	268A0	28385.641	3521.9009	278A0	28400.609	3520.0447	219R0
28371.958	1523.5096	213A0	28385.902	3521.8685	200B0	28400.860	3520.0137	203A0
28372.037	1523.5097	217B0	28386.110	3521.8429	307A0	28401.124	3519.9810	238R0
28372.253	1523.5629	323A0	28386.707	3521.7647	189A0	28401.359	3519.9555	347A0
28372.433	1523.5405	224R0	28387.050	3521.7262	254A0	28401.450	3519.9405	309A0
28373.214	1523.4436	227A0	28387.192	3521.7095	190B0	28401.619	3519.9196	222B0
28373.507	1523.4072	184R0	28387.632	3521.6540	230A0	28401.663	3519.9141	195C8
28373.741	1523.3778	199A0	28387.773	3521.6365	146C8	28401.971	3519.8760	267A0
28373.924	1523.3554	210A0	28387.880	3521.6231	199A0	28402.238	3519.8428	198A0
28374.136	1523.3303	301A0	28388.262	3521.5747	192A0	28402.344	3519.8298	195A0
28374.259	1523.3096	281A0	28388.402	3521.5584	134A0	28402.455	3519.8197	195A0
28374.353	1523.2983	242C8	28388.636	3521.5294	259A0	28402.509	3519.8029	230A0
28374.466	1523.2681	215A0	28388.616	3521.5049	275A0	28402.667	3519.7873	304A0
28374.621	1523.2868	222A0	28389.012	3521.4817	258A0	28402.806	3519.7724	229A0
28374.919	1523.2318	239A0	28389.101	3521.4718	300A0	28403.147	3519.7302	313A0
28375.564	1523.1518	235A0	28389.317	3521.4450	261A0	28403.291	3519.7124	261A0
28375.805	1523.1218	202A0	28389.603	3521.4095	201A0	28403.509	3519.6853	193R0
28376.912	1523.1085	223C8	28389.783	3521.3871	221A0	28403.811	3519.6479	206A0
28376.050	1523.0714	313A0	28389.882	3521.3718	192A0	28404.595	3519.5594	211A0
28376.137	1523.0606	220C8	28390.016	3521.3533	186A0	28404.903	3519.5126	184B0
28376.831	1522.9944	217A0	28390.126	3521.3345	180C8	28405.465	3519.4430	212A0
28376.951	1522.9795	206A0	28390.518	3521.2949	220A0	28405.655	3519.4231	242A0
28377.053	1522.9668	189A0	28391.022	3521.2335	270A0	28405.796	3519.3917	122A0
28377.696	1522.8870	167B0	28391.479	3521.2015	272A0	28406.049	3519.3732	242A0
28378.262	1522.8167	207A0	28391.486	3521.1759	220A0	28406.198	3519.3522	169B0
28378.369	1522.8034	215A0	28392.414	3521.0608	228B0	28406.271	3519.3431	204A0



SIGMA	WL	I PS CLASSIFICATION	SIGMA	WL	I PS CLASSIFICATION	SIGMA	WL	I PS CLASSIFICATION	SIGMA	WL	I PS CLASSIFICATION
28449.761	3513.9631	23040	28461.902	3512.4641	26140	28476.006	3510.4778	29140	28478.135	3510.4618	30940
28450.625	3513.8594	22740	28462.168	3512.4029	21750	28478.209	3510.4528	26780	28478.468	3510.4208	20440
28450.698	3513.8473	20940	28462.397	3512.3893	23640	28478.701	3510.3921	23640	28478.951	3510.3612	29140
28450.996	3513.8106	25940	28462.591	3512.3791	24440	28479.429	3510.3237	34340	28479.525	3510.2893	21940
28451.135	3513.7934	20940	28462.953	3512.3344	31940	28479.670	3510.2517	27840	28479.970	3510.2356	25040
28451.235	3513.7810	21040	28463.227	3512.3006	31940	28480.426	3510.1795	26740	28480.699	3510.1459	24140
28451.390	3513.7618	21040	28463.735	3512.2378	29540	28480.837	3510.1268	22440	28481.089	3510.0977	23440
28451.475	3513.7514	22940	28464.190	3512.1818	26040	28481.541	3510.0573	27140	28481.817	3510.0273	27140
28451.607	3513.7351	21590	28464.413	3512.1542	23140	28481.856	3510.0033	25740	28481.856	3510.0033	25740
28451.855	3513.7044	32540	28464.597	3512.1316	22940	28482.161	3509.9751	22240	28482.161	3509.9751	22240
28452.100	3513.6742	36140	28464.722	3512.1161	20540	28482.389	3509.9376	21340	28482.718	3509.8891	21340
28452.277	3513.6583	27840	28465.315	3512.0429	19100	28483.063	3509.8545	27140	28483.222	3509.8349	22840
28452.351	3513.6433	25980	28465.581	3512.0101	20280	28483.476	3509.8036	21240	28483.476	3509.8036	21240
28452.415	3513.6353	24340	28465.824	3511.9802	22540	28483.580	3509.7908	27040	28483.901	3509.7512	19440
28452.494	3513.6250	22440	28466.057	3511.9526	31640	28484.395	3509.6904	30040	28484.601	3509.6649	34240
28452.544	3513.6193	22440	28466.857	3511.8248	29580	28484.679	3509.6357	27800	28484.679	3509.6357	27800
28452.612	3513.5862	25740	28467.002	3511.8248	29580	28484.937	3509.6236	33340	28485.110	3509.6023	22240
28453.111	3513.5493	30040	28467.134	3511.8195	21140	28485.110	3509.5667	24440	28485.533	3509.5502	25440
28453.219	3513.5360	29440	28467.839	3511.7315	23640	28485.680	3509.5350	20840	28485.680	3509.5350	20840
28453.371	3513.5173	22380	28468.093	3511.7002	25340	28485.837	3509.5129	22840	28485.837	3509.5129	22840
28453.471	3513.5013	21040	28468.608	3511.6613	19940	28486.080	3509.4828	28440	28486.080	3509.4828	28440
28454.002	3513.4739	32740	28469.074	3511.5742	25980	28486.493	3509.4318	25040	28486.493	3509.4318	25040
28454.123	3513.4529	20740	28469.251	3511.5574	21940	28487.009	3509.3683	22040	28487.172	3509.3483	31440
28454.394	3513.3790	22740	28469.338	3511.5466	20740	28487.326	3509.3293	24040	28487.427	3509.3168	21340
28454.577	3513.3683	32440	28469.496	3511.5272	21240	28487.581	3509.2978	21340	28487.581	3509.2978	21340
28454.757	3513.3461	22740	28469.681	3511.5043	30040	28487.670	3509.2668	25140	28487.670	3509.2668	25140
28454.929	3513.3249	30540	28470.005	3511.4643	27500	28487.882	3509.2267	24040	28487.882	3509.2267	24040
28455.082	3513.3059	27340	28470.184	3511.4422	39140	28488.936	3509.1709	32140	28488.936	3509.1709	32140
28455.143	3513.2964	29040	28470.257	3511.4332	37640	28489.305	3509.1031	23140	28489.305	3509.1031	23140
28455.412	3513.2652	29140	28470.443	3511.4071	20840	28489.508	3509.0854	25880	28489.508	3509.0854	25880
28455.645	3513.2369	19440	28470.559	3511.3713	25340	28489.763	3509.0290	22880	28489.763	3509.0290	22880
28455.807	3513.2186	25100	28471.446	3511.2867	22940	28489.919	3509.0098	22740	28489.919	3509.0098	22740
28456.509	3513.1288	22640	28471.537	3511.2754	20740	28490.551	3508.9320	21140	28490.551	3508.9320	21140
28456.923	3513.0787	19740	28471.825	3511.2359	19700	28490.754	3508.8634	28540	28491.108	3508.8634	28540
28457.034	3513.0647	20100	28472.076	3511.2089	23640	28491.289	3508.8411	36440	28491.289	3508.8411	36440
28457.187	3513.0461	27640	28472.183	3511.1957	20540	28491.543	3508.8099	24440	28491.543	3508.8099	24440
28457.297	3513.0325	27480	28472.424	3511.1660	25100	28491.786	3508.7630	29098	28491.786	3508.7630	29098
28457.366	3513.0240	30740	28472.603	3511.1440	35340	28492.049	3508.7190	34238	28492.049	3508.7190	34238
28457.565	3512.9994	19480	28472.784	3511.1216	21940	28492.314	3508.6834	20740	28492.314	3508.6834	20740
28458.082	3512.9356	19240	28472.967	3511.1064	23940	28492.582	3508.6464	27440	28492.582	3508.6464	27440
28458.275	3512.9118	23240	28473.093	3511.0870	25740	28492.856	3508.6086	25040	28492.856	3508.6086	25040
28458.485	3512.8858	34940	28473.214	3511.0686	25840	28493.134	3508.5700	21640	28493.134	3508.5700	21640
28458.670	3512.8630	24940	28473.398	3511.0510	27440	28493.416	3508.5306	20840	28493.416	3508.5306	20840
28458.819	3512.8446	23540	28473.582	3511.0342	25640	28493.702	3508.4904	20840	28493.702	3508.4904	20840
28458.985	3512.8282	23740	28473.766	3511.0182	21640	28494.000	3508.4494	20840	28494.000	3508.4494	20840
28459.114	3512.8130	24240	28473.950	3510.9999	21540	28494.300	3508.4076	20840	28494.300	3508.4076	20840
28459.405	3512.7723	21040	28474.134	3510.9799	21540	28494.600	3508.3650	20840	28494.600	3508.3650	20840
28459.507	3512.7597	21340	28474.318	3510.9642	29140	28494.900	3508.3216	20840	28494.900	3508.3216	20840
28459.736	3512.7315	20740	28474.502	3510.9477	25340	28495.200	3508.2774	20840	28495.200	3508.2774	20840
28459.856	3512.7166	19280	28474.686	3510.9309	21640	28495.500	3508.2324	20840	28495.500	3508.2324	20840
28460.156	3512.6796	30140	28474.870	3510.9129	21540	28495.800	3508.1866	20840	28495.800	3508.1866	20840
28460.332	3512.6578	21580	28475.054	3510.8947	20640	28496.100	3508.1400	20840	28496.100	3508.1400	20840
28460.391	3512.6506	21640	28475.238	3510.8777	19980	28496.400	3508.0926	20840	28496.400	3508.0926	20840
28460.613	3512.6231	20540	28475.422	3510.8613	20740	28496.700	3508.0444	20840	28496.700	3508.0444	20840
28460.857	3512.5910	21040	28475.606	3510.8464	21640	28497.000	3508.0000	20840	28497.000	3508.0000	20840
28461.296	3512.5389	28640	28475.790	3510.8316	21640	28497.300	3507.9544	20840	28497.300	3507.9544	20840
28461.494	3512.5144	19280	28475.974	3510.8169	21940	28497.600	3507.9078	20840	28497.600	3507.9078	20840
28461.691	3512.4902	21840	28476.158	3510.8025	27200	28497.900	3507.8612	20840	28497.900	3507.8612	20840
28461.821	3512.4741	23540	28476.342	3510.7883	29098	28498.200	3507.8146	20840	28498.200	3507.8146	20840

SIGMA	WL	I	PS	CLASSIFICATION	ION	SIGMA	WL	I	PS	CLASSIFICATION	ION	SIGMA	WL	I	PS	CLASSIFICATION	ION	
28491.671	3508.7940	21490				28509.170	3506.7633	31540				28523.731	3504.8502	25340				
28492.161	3508.7338	29740				28509.286	3506.7431	28040				28524.044	3504.8116	20840				
28493.396	3508.5828	23140				28508.664	3506.7025	20081				28524.425	3504.7649	186C8				
28494.468	3508.4496	26340				27508.867	3506.6712	26440				28524.632	3504.7394	206C4				
28494.645	3508.3278	28440				28509.120	3506.6612	24340				28524.762	3504.7235	23440				
28495.172	3508.3630	27440				28509.405	3506.6114	24940				28524.854	3504.7121	20390				
28495.395	3508.3355	21100				28509.747	3506.5693	21440				28525.178	3504.6723	23040				
28495.713	3508.2964	28140				28510.084	3506.5279	20340				28525.343	3504.6521	23340				
28495.866	3508.2774	21640				28510.302	3506.5011	32340				28525.450	3504.6389	22640				
28495.932	3508.2693	21440				28510.302	3506.5011	32340				28526.291	3504.5356	21940				
28496.889	3508.1513	24140				28510.914	3506.4258	22840				28526.448	3504.5113	20940				
28497.119	3508.1232	23440				28511.004	3506.4146	23780				28527.021	3504.4465	27040				
28497.238	3508.1085	25440				28511.996	3506.3542	22540				28527.317	3504.4095	22080				
28497.432	3508.0847	20940				28511.851	3506.3108	21940				28527.600	3504.3747	22540				
28498.278	3507.9805	229C8				28512.055	3506.2854	21840				28527.710	3504.3613	25340				
28498.364	3507.9699	26940				28512.171	3506.2712	21140				28527.979	3504.3283	20280				
28498.504	3507.9527	31940				28512.998	3506.2555	22940				28528.460	3504.2692	20740				
28499.674	3507.8085	21940				28512.367	3506.2471	20780				28528.585	3504.2538	21980				
28499.866	3507.7858	23240				28513.314	3506.1306	9440				28528.780	3504.2298	33140				
28500.175	3507.7471	25844				28513.593	3506.1063	23440				28529.257	3504.1713	19140				
28500.559	3507.6998	31840				28513.715	3506.0813	25240				28529.313	3504.1644	19841				
28500.679	3507.6776	25940				28514.402	3505.9968	22840				28529.603	3504.1042	19640				
28500.967	3507.6495	27440				28514.510	3505.9836	22940				28530.024	3504.0770	22780				
28501.324	3507.6037	21190				28514.574	3505.9757	22840				28530.088	3504.0692	21880				
28501.736	3507.5549	25040				28514.933	3505.9315	20180				28530.254	3504.0488	24440				
28502.032	3507.5185	21490				28515.366	3505.8783	19880				28530.371	3504.0344	27580				
28502.122	3507.5074	28740				28515.551	3505.8556	20240				28530.579	3504.0089	37740				
28502.307	3507.4846	20880				28516.549	3505.7329	22740				28530.729	3503.9904	33240				
28502.546	3507.4553	31440				28516.986	3505.6791	23740				28530.939	3503.9647	29640				
28502.749	3507.4303	24481				28517.053	3505.6709	22040				28531.204	3503.9321	229C8				
28502.873	3507.4150	23480				28517.429	3505.6257	20080				28531.295	3503.9210	25780				
28502.951	3507.4054	23780				28517.632	3505.5997	31740				28531.407	3503.9072	31140				
28502.995	3507.4000	23480				28517.776	3505.5820	24340				28531.476	3503.8947	28280				
28503.061	3507.3919	23340				28517.989	3505.5559	32740				28531.682	3503.8735	20940				
28503.242	3507.3695	31840				28518.174	3505.5332	26940				28531.901	3503.8465	21340				
28503.449	3507.3442	38840				28518.607	3505.4799	224C8				28532.071	3503.8256	29240				
28503.663	3507.3178	33340				28518.831	3505.4523	36540				28532.160	3503.8147	24080				
28503.847	3507.2992	26880				28518.941	3505.4348	274C8				28532.451	3503.7789	23440				
28503.898	3507.2849	25080				28519.164	3505.4114	26940				28532.628	3503.7572	29440				
28504.049	3507.2703	31140				28519.320	3505.3922	27440				28533.239	3503.6821	22140				
28504.180	3507.2542	23190				28519.405	3505.3572	26440				28533.400	3503.6524	23140				
28504.430	3507.2234	24740				28520.238	3505.2794	23240				28533.597	3503.6282	20040				
28504.983	3507.1554	19960				28520.352	3505.2654	21740				28534.250	3503.5561	25840				
28505.194	3507.1294	32440				28520.477	3505.2500	26940				28534.630	3503.5114	202C8				
28505.366	3507.1092	21190				28520.628	3505.2048	24340				28534.986	3503.4677	26740				
28505.448	3507.0943	234C8				28520.952	3505.1916	22640				28535.098	3503.4539	21640				
28505.607	3507.0786	29380				28521.100	3505.1735	22640				28535.255	3503.4346	20780				
28505.817	3507.0527	38540				28521.330	3505.1452	20840				28535.327	3503.4259	21340				
28505.984	3507.0319	30040				28521.504	3505.1235	21140				28535.469	3503.4083	21140				
28506.143	3507.0127	25240				28521.702	3505.0997	23680				28535.566	3503.3965	196C8				
28506.272	3506.9958	23380				28521.911	3505.0737	35740				28536.153	3503.3245	29740				
28506.743	3506.9080	23440				28522.101	3505.0505	27240				28536.578	3503.2722	20840				
28506.824	3506.8411	20840				28522.587	3504.9907	20880				28536.869	3503.2365	20840				
28507.005	3506.8066	20940				28522.874	3504.9555	27480				28537.134	3503.0812	20740				
28507.156	3506.8060	20440				28523.071	3504.9312	37940				28538.134	3503.0623	21840				
28507.460	3506.8506	21740				28523.244	3504.9100	27140				28538.288	3503.0353	33440				
28507.690	3506.8223	21940				28523.444	3504.8990	234C8				28538.508	3503.0253	24940				
28507.895	3506.7971	32040				28523.409	3504.8677	23680				28539.120	3502.9602	27140				
28508.058	3506.7771	256C8				28523.517	3504.8765	20880				28539.314	3502.9263	27140				
						28523.517	3504.8765	20880				28539.544	3502.9081	27340				

SIGNA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION	SIGMA	ML	I PS CLASSIFICATION ION
28539.80	3502.8657	22540	28555.300	3500.9753	21080	28568.954	3499.3019	21980
28540.00	3502.8641	21740	28555.451	3500.9547	20680	28569.045	3499.2909	22640
28540.324	3502.8622	20240	28555.673	3500.9302	21080	28569.076	3499.2846	21400
28540.447	3502.7974	21440	28555.677	3500.9302	23440	28569.392	3499.2484	24640
28540.657	3502.7715	23140	28556.070	3500.8809	14540	28570.045	3499.1684	20480
28540.884	3502.7437	20480	28556.753	3500.7972	20840	28570.120	3499.1591	23240
28541.208	3502.7039	25540	28556.887	3500.7804	19980	28570.365	3499.1292	30740
28541.444	3502.6747	21980	28557.046	3500.7612	12840	28570.550	3499.1065	21740
28541.526	3502.6648	25440	28557.152	3500.7482	22340	28570.798	3499.0761	31340
28541.699	3502.6465	29240	28558.018	3500.6333	22840	28570.855	3499.0692	31240
28541.787	3502.6338	26480	28558.609	3500.6170	22840	28571.238	3499.0522	19540
28542.187	3502.5937	22840	28558.809	3500.5451	21840	28571.642	3499.0128	24440
28542.253	3502.5757	22800	28559.199	3500.4972	25340	28571.810	3499.0122	20940
28542.469	3502.5262	31840	28559.293	3500.4838	30240	28572.407	3499.8791	27740
28542.652	3502.5267	24340	28559.471	3500.4639	22240	28572.856	3499.8441	20600
28543.054	3502.4773	21140	28559.673	3500.4392	31740	28572.943	3499.8135	25140
28543.252	3502.4531	21640	28559.749	3500.4296	34140	28573.255	3499.7752	22280
28543.649	3502.4043	24140	28559.960	3500.4030	35040	28573.316	3499.7678	23940
28543.804	3502.3853	21540	28560.206	3500.3738	30380	28573.591	3499.7341	24640
28544.431	3502.3084	32740	28560.367	3500.3647	21080	28573.964	3499.6884	20540
28544.703	3502.2751	21280	28560.337	3500.3378	31480	28574.448	3499.6291	19540
28544.773	3502.2644	22100	28560.604	3500.3373	31440	28574.480	3499.6253	19600
28544.815	3502.2613	23680	28560.668	3500.3172	21740	28574.712	3499.5968	30310
28545.024	3502.2350	34340	28560.772	3500.3045	25840	28574.821	3499.5836	26840
28545.165	3502.2183	30740	28561.243	3500.2843	21040	28575.254	3499.5305	19600
28545.338	3502.1971	21480	28561.266	3500.2121	23040	28576.074	3499.4301	21740
28545.618	3502.1628	28440	28561.797	3500.1789	26040	28576.171	3499.4182	24840
28545.857	3502.1335	21480	28561.924	3500.1633	23080	28576.445	3499.3847	35140
28545.978	3502.1116	27040	28562.065	3500.1461	35080	28576.684	3499.3554	23640
28546.294	3502.0798	22240	28562.161	3500.1342	25940	28576.873	3499.3322	22240
28547.004	3501.9922	22340	28562.433	3500.1009	32380	28576.989	3499.3181	25440
28547.471	3501.9354	22540	28562.637	3500.7640	39040	28577.527	3499.2522	25940
28548.131	3501.8544	21240	28562.817	3500.0518	30880	28577.663	3499.2355	20440
28548.403	3501.8211	20480	28562.895	3500.0443	32280	28577.953	3499.1708	26440
28549.205	3501.7527	21840	28562.939	3500.0390	27440	28578.260	3499.1625	21340
28549.514	3501.6988	25740	28563.083	3500.0213	24680	28578.482	3499.1353	20880
28549.615	3501.6724	24140	28563.196	3500.0074	22280	28578.667	3499.1127	21040
28549.897	3501.6378	33140	28563.375	3499.9855	25640	28578.837	3499.0919	24240
28550.203	3501.6003	25140	28563.674	3499.9489	21740	28579.434	3499.0188	22180
28550.621	3501.5491	21740	28564.202	3499.8842	22940	28579.604	3497.9980	20540
28551.022	3501.4998	21480	28564.292	3499.8731	20540	28579.696	3497.9867	22940
28551.087	3501.4919	23740	28564.446	3499.8543	20800	28579.838	3497.9694	20440
28551.630	3501.4253	20580	28564.483	3499.8497	21040	28579.923	3497.9587	23840
28551.837	3501.4000	31940	28564.884	3499.8249	29740	28580.003	3497.8913	22440
28551.934	3501.3800	24500	28565.215	3499.7693	30000	28580.476	3497.8913	22440
28552.080	3501.3701	21280	28565.215	3499.7343	30860	28580.701	3497.8638	25640
28552.270	3501.3468	20840	28566.163	3499.6439	23040	28580.824	3497.8487	21240
28552.390	3501.3321	19480	28566.379	3499.6174	34940	28581.168	3497.8046	22640
28552.615	3501.3045	27940	28566.625	3499.5870	24940	28581.474	3497.7691	19440
28552.685	3501.2959	25980	28566.865	3499.5579	29540	28581.844	3497.7230	22640
28552.898	3501.2698	22940	28566.955	3499.5444	23380	28582.440	3497.6508	23940
28553.112	3501.2436	34440	28567.155	3499.5223	21740	28582.576	3497.6343	26100
28553.486	3501.1976	30480	28567.165	3499.5243	22840	28582.690	3497.6203	33740
28553.930	3501.1432	21380	28567.933	3499.4270	23540	28582.855	3497.6001	29440
28554.077	3501.1252	21340	28568.074	3499.4048	23000	28583.066	3497.5743	20080
28554.234	3501.1059	20440	28568.171	3499.3979	26740	28583.375	3497.5364	27040
28554.346	3501.0677	21340	28568.277	3499.3849	31240	28583.622	3497.5062	26540
28554.840	3501.0317	25480	28568.564	3499.3498	24580	28583.980	3497.4624	25140
28555.046	3501.0064	30440	28568.680	3499.3356	30100	28584.629	3497.3830	23640
28555.226	3500.9844	22540	28568.769	3499.3247	35840	28584.786	3497.3639	30540

SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
28585.054	3497.3310	29440		28598.005	3495.7472	34540		28615.753	3491.5789	29340	
28585.273	3497.3042	19490		28598.500	3495.4866	21840		28616.033	3491.5048	21780	
28585.423	3497.2859	26240		28598.759	3495.6550	23440		28616.137	3491.5321	23540	
28585.646	3497.2586	37540	32386 6	28598.935	3495.6334	23540		28617.068	3491.4185	33740	32417 7
28585.831	3497.2360	20440		28599.127	3495.6100	31240		28617.497	3491.3560	28440	3800 7 11
28585.989	3497.2166	28340		28599.361	3495.5814	34840		28617.571	3491.3571	27580	
28586.045	3497.2097	28040		28599.490	3495.5656	26340		28617.772	3491.3324	35040	5289 7 22
28586.221	3497.1882	20240		28599.876	3495.5185	21440		28617.985	3491.3064	28040	
28586.767	3497.1214	21180		28600.096	3495.4914	26640		28618.203	3491.2709	29340	
28587.037	3497.0884	26340		28600.639	3495.4252	25840		28618.288	3491.2695	25180	
28587.265	3497.0506	33540	28587 5	28600.897	3495.4181	22640		28618.420	3491.2534	21940	
28587.987	3496.9733	22040		28600.824	3495.4028	24340		28618.557	3491.2366	24440	
28588.254	3496.9395	20840		28601.217	3495.3585	20340		28618.749	3491.2133	30240	
28588.482	3496.9116	30640		28601.531	3495.3182	24640		28618.852	3491.2006	23740	
28588.584	3496.8992	26440		28601.654	3495.3011	26740		28619.049	3491.1766	20240	
28588.930	3496.8569	22440		28601.904	3495.2706	22440		28619.277	3491.1488	30640	
28589.151	3496.8298	32440		28602.044	3495.2545	20540	34685 5	28619.474	3491.1247	21540	
28589.394	3496.8001	24440		28602.254	3495.2274	27340	6 283 6	28619.876	3491.0756	20280	
28589.654	3496.7680	21340		28602.400	3495.2100	23340		28620.021	3491.0580	22940	
28589.867	3496.7423	19440		28602.700	3495.1733	19640		28620.089	3491.0497	24140	
28590.101	3496.7137	20840		28602.792	3495.1621	21840		28620.301	3491.0238	22780	
28590.161	3496.7062	20180		28603.123	3495.1219	21540		28620.753	3491.9866	21480	
28590.358	3496.6822	24540		28603.377	3495.0987	25140		28621.019	3491.9361	22640	
28591.004	3496.6032	24840		28603.660	3495.0581	26540		28621.236	3491.9097	20980	
28591.187	3496.5813	21840		28604.560	3494.9440	31140		28621.478	3491.8802	31140	
28591.339	3496.5622	22440		28604.760	3494.9216	27340		28621.788	3491.8423	22740	
28591.441	3496.5497	22840		28604.873	3494.9079	23780		28622.166	3491.7962	29840	
28591.513	3496.5309	25440		28605.127	3494.8787	21780		28622.536	3491.7511	23840	
28591.627	3496.5270	24640		28605.219	3494.8655	22980		28623.113	3491.6806	23540	
28591.869	3496.4974	28440	32392 6	28605.274	3494.8588	23280		28623.748	3491.6032	21080	
28592.014	3496.4797	23240		28605.449	3494.8374	21540		28624.056	3491.5852	23740	
28592.237	3496.4407	25340		28605.632	3494.8181	37540		28624.170	3491.5516	25040	
28592.554	3496.4137	37740	30341 7	28605.812	3494.7930	21040		28624.467	3491.5134	29540	33077 5
28592.736	3496.3714	23140		28606.029	3494.7685	25940		28624.659	3491.4720	22740	4453 4 11
28592.813	3496.3819	21780		28606.147	3494.7521	27840		28624.898	3491.4628	32640	
28592.954	3496.3547	22740		28606.271	3494.7370	21440		28625.338	3491.4091	22740	
28593.112	3496.3453	26440	32461 4	28607.074	3494.6389	22240		28625.563	3491.3917	21840	
28593.290	3496.3236	22740		28607.339	3494.6066	30040		28625.976	3491.3313	35140	
28593.357	3496.3154	22980		28607.698	3494.5626	26140		28626.439	3491.2760	22640	
28593.579	3496.2983	34140		28607.782	3494.5555	22240		28627.011	3491.2050	29140	
28593.752	3496.2672	22440		28607.995	3494.5244	22780		28627.175	3491.1851	23680	
28594.141	3496.2195	22340		28609.118	3494.5585	20840		28627.251	3491.1528	20040	36902 7
28594.225	3496.2093	20840		28609.525	3494.3385	21280		28627.421	3491.1551	22740	4275 6
28594.343	3496.1948	22440		28609.865	3494.2980	27840		28627.897	3491.0969	23240	0 0 1
28594.668	3496.1551	28040		28610.315	3494.2430	21440		28628.627	3491.0079	27740	
28594.832	3496.1350	19340		28611.255	3494.1283	19640		28628.735	3491.9947	30240	
28594.932	3496.1228	19840		28611.879	3494.0520	21180		28628.951	3491.9684	20480	
28595.530	3496.0497	24440		28612.102	3494.0268	29440		28629.331	3491.9220	27740	
28595.634	3496.0368	25340		28612.335	3493.9943	39440	29232 5	28629.551	3491.8952	28640	620 5 11
28595.734	3496.0248	33040		28612.514	3493.9745	25640		28629.924	3491.8497	24840	
28595.894	3496.0052	23440		28612.598	3493.9642	24480		28630.153	3491.8217	34140	29250 4
28596.148	3496.9742	32640		28612.726	3493.9485	25414		28630.166	3491.7592	26140	
28596.328	3496.9521	22540		28612.995	3493.9157	25340		28630.001	3491.4745	23140	
28596.474	3496.9343	27740		28613.750	3493.8235	23440		28633.078	3491.4650	22340	
28596.634	3496.9147	28340		28613.930	3493.8015	22140		28633.436	3491.4214	26740	
28597.017	3496.8660	20880		28614.027	3493.7897	22340		28633.819	3491.3747	21440	
28597.109	3496.8567	21340		28614.410	3493.7429	29340	20614 5	28633.975	3491.3557	26140	
28597.199	3496.8437	22640		28614.550	3493.7284	25040		28634.110	3491.3392	31540	
28597.539	3496.8041	19280		28615.338	3493.6244	25340		28634.260	3491.3209	23540	
28597.795	3496.7728	22880		28615.467	3493.6139	27140	32891 5	28634.444	3491.2984	24640	





SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
28688.287	3484.7457	22780	28707.688	3482.2815	22640	28729.074	3479.7982	23940
28689.524	3484.5955	19768	28709.652	3482.2737	23540	28729.242	3479.7779	24240
28689.661	3484.5786	23640	28709.144	3482.2140	28940	28729.356	3479.7638	26640
28689.776	3484.5647	20940	28709.258	3482.2002	27740	28729.464	3479.7510	27940
28690.915	3484.5480	24440	28709.622	3482.1803	22040	28729.823	3479.7075	20840
28690.630	3484.4611	22940	28709.637	3482.1542	21040	28730.212	3479.6604	20940
28690.752	3484.4484	21740	28710.159	3482.0909	21440	28730.965	3479.5692	20580
28691.315	3484.3779	26140	28710.488	3482.0534	22340	28731.175	3479.5438	23780
28691.762	3484.3236	22340	28711.008	3481.9880	21640	28732.680	3479.3615	20980
28692.151	3484.2764	25340	28712.109	3481.9544	26340	28733.197	3479.2989	21440
28693.124	3484.1595	32940	28712.273	3481.9345	23040	28733.300	3479.2864	21740
28693.526	3484.1077	20980	28713.396	3481.935	22040	28733.635	3479.2459	25440
28693.948	3483.9582	25340	28713.100	3481.7342	31540	28733.831	3479.2222	31840
28694.192	3483.9295	23340	28713.542	3481.6782	20980	28734.309	3479.1642	30540
28694.326	3483.9119	23840	28713.649	3481.6677	22840	28734.383	3479.1553	31940
28694.955	3483.9380	19940	28713.930	3481.6336	27540	28734.784	3479.1047	32140
28695.881	3483.8234	27440	28714.054	3481.6186	32240	28744.850	3479.097	30280
28696.257	3483.7779	32540	28714.594	3481.5530	21640	28735.074	3479.0716	21880
28696.433	3483.7595	20080	28714.689	3481.5416	21640	28735.579	3479.0105	26840
28696.720	3483.7217	24140	28715.272	3481.4701	27040	28735.985	3479.9614	27940
28696.865	3483.7040	20680	28715.990	3481.3878	21040	28736.563	3479.8913	22240
28697.066	3483.6797	22740	28716.366	3481.3383	25540	28736.781	3479.8643	24040
28697.312	3483.6497	31840	28717.334	3481.2208	28440	28737.148	3479.8205	25440
28697.683	3483.6047	26140	28718.351	3481.0719	22040	28737.249	3479.8094	28540
28697.927	3483.5751	36140	28718.563	3481.0719	23040	28737.680	3479.7561	21840
28698.102	3483.5538	21840	28718.828	3481.0640	23240	28737.750	3479.7477	20368
28698.366	3483.5239	24440	28719.225	3480.9917	23840	28737.819	3479.7393	20580
28698.443	3483.5125	23540	28719.295	3480.9832	24780	28738.153	3479.6988	21740
28698.589	3483.4947	22540	28719.642	3480.9533	35640	28738.218	3479.6909	21140
28698.868	3483.4743	20980	28719.814	3480.9202	21540	28738.396	3479.6694	21640
28699.068	3483.4609	26140	28719.952	3480.8550	25280	28739.223	3479.5693	24040
28699.199	3483.4398	32640	28720.352	3480.8550	27240	28739.452	3479.5416	24480
28699.294	3483.4089	24940	28720.636	3480.8449	24080	28739.518	3479.5336	26740
28699.564	3483.3764	24940	28720.695	3480.8135	24040	28739.775	3479.5026	21980
28699.795	3483.3484	24940	28720.789	3480.8021	24540	28740.392	3479.4279	19368
28699.940	3483.3307	25540	28720.953	3480.7822	20180	28740.483	3479.4168	22880
28700.673	3483.2418	25540	28721.197	3480.7537	32940	28740.549	3479.4089	25440
28700.765	3483.2306	25140	28721.716	3480.6867	27280	28741.828	3479.2541	21380
28701.009	3483.2010	19268	28721.911	3480.6640	30140	28743.845	3479.0100	6040
28701.234	3483.1737	26340	28722.023	3480.5526	25340	28744.107	3479.9783	50340
28701.360	3483.1595	25240	28722.636	3480.5783	25840	28744.342	3479.9498	22140
28701.519	3483.1391	22540	28722.789	3480.5602	21080	28745.029	3479.9151	29440
28701.787	3483.1066	22440	28723.389	3480.4870	23340	28745.079	3479.8607	22280
28701.883	3483.0949	21740	28723.952	3480.4188	24240	28745.324	3479.8311	34940
28702.005	3483.0801	26440	28724.124	3480.3980	21240	28745.594	3479.7996	33940
28702.797	3482.9841	29140	28724.409	3480.3634	32040	28745.984	3479.7681	24240
28703.169	3482.9398	21440	28724.713	3480.3266	22840	28745.987	3479.7508	21340
28703.260	3482.9279	24740	28724.947	3480.2989	32840	28745.987	3479.7366	23540
28703.394	3482.9116	22240	28725.134	3480.2756	21640	28746.121	3479.7366	23540
28704.113	3482.8244	33140	28725.192	3480.2685	21480	28746.684	3479.6665	22580
28704.379	3482.7921	20980	28725.376	3480.2463	26440	28746.923	3479.6376	34540
28704.631	3482.7615	23340	28725.961	3480.1754	23140	28747.200	3479.6041	25540
28705.746	3482.6202	25940	28726.517	3480.1080	23180	28747.280	3479.5944	27640
28706.231	3482.5673	26640	28726.638	3480.0934	21340	28747.449	3479.5739	21240
28706.550	3482.5286	31140	28727.080	3480.0397	22940	28747.956	3479.5126	32440
28706.669	3482.4900	37940	28727.516	3479.9870	26440	28748.125	3479.4923	32240
28707.044	3482.4667	23568	28728.108	3479.9152	32240	28748.655	3479.4269	27440
28707.289	3482.4427	20968	28728.377	3479.8584	21340	28748.697	3479.3988	21840
28707.566	3482.4054	21840	28728.712	3479.8421	23640	28749.232	3479.3582	22368
28707.713	3482.3876	24040	28728.897	3479.8195	22340	28749.319	3479.3478	26940

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
28749.572	3477.3171	33840	24770.012	3474.8666	22140	28798.941	3472.5617	31680
28751.162	3477.1249	20580	28770.125	3474.8329	22540	28799.037	3472.5502	32780
28751.349	3477.1022	22980	28770.487	3474.7989	26440	28799.259	3472.5234	25280
28751.481	3477.0963	27740	28770.736	3474.7592	24940	28799.610	3472.6610	25340
28751.608	3477.0709	26340	28770.921	3474.7368	28040	28799.839	3472.4310	26440
28752.384	3476.9770	20280	28771.764	3474.6349	31240	28799.853	3472.4000	23340
28753.075	3476.8935	20440	28772.187	3474.5939	27840	28799.870	3472.3555	20280
28753.754	3476.8113	21240	28772.372	3474.5615	23140	28799.876	3472.3225	23980
28753.874	3476.7966	21240	28772.484	3474.5478	24840	28799.720	3472.3459	24640
28754.348	3476.7395	24340	28772.633	3474.5300	30740	28799.125	3472.3104	26440
28755.141	3476.6437	25740	28773.033	3474.4817	27040	28799.842	3472.2119	14940
28755.262	3476.6270	22940	28773.574	3474.4161	26640	28799.222	3472.1895	19280
28755.607	3476.5973	21780	28773.664	3474.4055	26140	28799.256	3472.1498	22640
28755.672	3476.5794	24540	28773.395	3474.3185	21440	28799.713	3472.1268	32140
28756.714	3476.6535	22480	28774.765	3474.2728	21740	28799.194	3472.0524	21540
28756.902	3476.6308	32040	28774.824	3474.2855	21940	28799.707	3471.9869	21940
28757.078	3476.6045	21240	28775.322	3474.2053	19780	28799.926	3471.9605	28340
28757.394	3476.3712	21940	28775.520	3474.1814	28140	28798.127	3471.9363	21140
28757.537	3476.3546	27040	28775.612	3474.1702	27180	28795.113	3471.8174	21840
28757.115	3476.2841	33140	28775.599	3474.1598	31740	28795.955	3471.7158	26840
28758.255	3476.2672	24780	28776.763	3474.1521	30580	28796.132	3471.6945	21740
28758.822	3476.1987	20840	28776.244	3474.0940	24540	28796.319	3471.6720	28180
28759.544	3476.1113	22140	28776.871	3474.0183	26440	28796.595	3471.5905	21440
28759.807	3476.0745	31640	28776.893	3474.0036	22240	28797.094	3471.5779	23340
28760.013	3476.0547	26740	28777.427	3473.9811	21440	28797.247	3471.5601	21840
28760.569	3475.9475	31840	28777.523	3473.9396	24940	28797.447	3471.5360	21940
28760.656	3475.9770	30440	28777.732	3473.9143	25840	28797.951	3471.4753	24440
28760.828	3475.9562	23640	28778.089	3473.8713	22840	28798.263	3471.4376	22540
28761.501	3475.8749	26440	28778.215	3473.7354	22940	28798.422	3471.4185	22740
28761.660	3475.8556	27540	28779.280	3473.7275	22940	28798.534	3471.4049	20380
28761.882	3475.8337	27440	28779.988	3473.6420	23740	28798.609	3471.3959	21140
28761.944	3475.8213	23840	28780.340	3473.5995	23540	28798.898	3471.3611	29640
28762.079	3475.8050	22740	28780.508	3473.5705	16440	28799.527	3471.2853	23540
28762.158	3475.7954	20540	28780.684	3473.5580	28780	28799.734	3471.2604	25440
28762.349	3475.7482	26840	28781.088	3473.5141	20840	28800.444	3471.1627	25940
28762.993	3475.6946	23940	28781.190	3473.4970	21780	28800.825	3471.1288	23040
28763.059	3475.6365	23440	28781.349	3473.4777	26780	28801.234	3471.0795	23540
28763.735	3475.6774	20780	28781.420	3473.4692	29340	28801.504	3471.0470	26640
28763.608	3475.6202	26240	28781.530	3473.4559	27840	28801.648	3471.0297	25040
28763.495	3475.6097	25140	28781.771	3473.4269	38740	28801.889	3471.0006	22240
28764.750	3475.4822	30940	28781.948	3473.4055	24540	28802.131	3470.9715	31240
28765.041	3475.4471	21440	28782.168	3473.3789	23040	28802.254	3470.9566	26640
28765.304	3475.4153	21340	28782.374	3473.3519	26380	28802.573	3470.9300	23040
28765.608	3475.3677	24740	28782.573	3473.3301	23740	28803.859	3470.8590	25040
28765.634	3475.3512	21840	28782.754	3473.3083	26840	28803.380	3470.8210	26840
28765.942	3475.3373	24740	28782.984	3473.2805	32140	28803.629	3470.7809	21180
28766.194	3475.3076	39840	28783.388	3473.2318	27040	28804.213	3470.7405	21080
28766.923	3475.2317	22240	28783.624	3473.2032	22340	28804.919	3470.6564	23340
28767.117	3475.1963	21140	28783.894	3473.1706	24540	28805.430	3470.5739	22340
28767.451	3475.1559	23140	28784.069	3473.1495	23840	28805.554	3470.5590	22440
28767.522	3475.1473	21980	28784.320	3473.1192	25840	28805.647	3470.5677	22640
28767.794	3475.1145	26740	28784.573	3473.0887	37140	28805.726	3470.5383	21540
28768.068	3475.0914	25040	28785.449	3472.9930	26640	28806.829	3470.4005	32940
28768.165	3475.0694	39040	28785.618	3472.9626	24740	28807.665	3470.3769	21340
28768.311	3475.0520	22580	28786.419	3472.8660	20840	28807.874	3470.3035	23740
28768.339	3475.0385	22740	28786.779	3472.8226	25440	28807.760	3470.2922	25880
28768.642	3475.0157	23540	28787.123	3472.7811	29140	28807.999	3470.2844	26740
28768.850	3474.9869	35740	28787.487	3472.7371	25040	28807.999	3470.2844	26740
28769.385	3474.9223	24740	28788.202	3472.6509	26640	28808.083	3470.2503	30940
28769.611	3474.8950	24740	28788.503	3472.6146	21380	28808.508	3470.2030	22180
						28808.780	3470.1704	26540

I P S CLASSIFICATION ION			I P C CLASSIFICATION ION			I D S CLASSIFICATION ION		
SIGMA	WL		SIGMA	WL		SIGMA	WL	
2850H.953	4670.1495	25040	28A9A.734	3A67.769A	22540	2824E.964	3A65.7183	24940
2850H.281	4470.1100	21440	28A9P.063	3A67.729B	21280	2824E.934	3A65.7003	24840
2850H.384	4470.0975	21080	28A9S.356	3A67.693B	20780	28A46.526	3A65.6295	22940
2850H.852	4470.0512	21640	28A9T.674	3A67.645E	21140	28A46.778	3A65.5991	25640
28510.332	4469.9870	24680	28B00.348	3A67.574E	22440	28A47.473	3A65.5154	21392
28510.443	4469.9700	27140	28B00.520	3A67.553S	23440	28A47.737	3A65.4939	25440
28510.332	4469.9700	27140	28B00.622	3A67.544I	21180	28A48.18A	3A65.4302	20780
28511.6	0 6 11		28B00.924	3A67.5049	23940	28A48.276	3A65.4192	22940
28511.957	4469.7877	28540	28B01.210	3A67.470S	26A40	28A48.547	3A65.3866	21780
28512.145	4469.7626	31240	28B01.378	3A67.450A	27940	28A48.872	3A65.3476	27080
28512.290	4469.7475	26140	28B02.452	3A67.321I	20740	28A48.957	3A65.3374	26840
28512.692	4469.7242	22640	28B02.984	3A67.257I	21640	28A49.227	3A65.3069	22540
28512.761	4469.6908	22840	28B02.984	3A67.257I	21640	28A49.695	3A65.2868	20940
28513.152	4469.6425	22940	28B03.179	3A67.233B	22440	28A50.156	3A65.1933	25140
28513.402	4469.6136	33440	28B03.542	3A67.190I	24940	28A50.792	3A65.1169	24680
28513.586	4469.5915	23040	28B03.888	3A67.148A	23940	28A50.842	3A65.1110	24440
28513.667	4469.5817	22940	28B04.041	3A67.1252	21A88	28A51.305	3A65.0554	24840
28513.932	4469.5699	28740	28B04.143	3A67.1177	23740	28B51.402	3A65.0437	25140
28514.125	4469.5265	24140	28B04.673	3A67.0540	26740	28B51.494	3A65.0326	25740
28514.215	4469.5158	24340	28B04.837	3A67.0343	23040	28B52.210	3A64.9466	25408
28514.452	4469.4872	34A40	28B05.649	3A66.936B	26240	28B52.289	3A64.9372	29540
28514.618	4469.4672	25140	28B05.831	3A66.9148	21140	28B52.487	3A64.8133	23740
28514.706	4469.4566	23140	28B06.480	3A66.8318	22440	28B52.718	3A64.8057	23540
28514.967	4469.4352	22640	28B07.021	3A66.7718	22940	28B52.894	3A64.8066	25940
28515.200	4469.4371	22940	28B07.107	3A66.7615	26140	28A52.204	3A64.8027	27440
28515.275	4469.3981	24340	28B07.574	3A66.7053	25740	28A52.550	3A64.6657	25040
28515.331	4469.3810	20A40	28B07.921	3A66.6636	23040	28A52.554	3A64.6657	25040
28515.429	4469.2491	21840	28B08.126	3A66.6390	24940	28A55.155	3A64.5930	22340
28516.549	4469.2347	20740	28B08.310	3A66.6169	23280	28A55.285	3A64.5774	22840
28516.979	4469.1830	25640	28B08.576	3A66.5848	30140	28A55.459	3A64.5565	22140
28517.171	4469.1670	27240	28B08.817	3A66.5529	22940	28A55.592	3A64.5405	24240
28517.741	4469.0888	28240	28B09.109	3A66.5207	20680	28A55.888	3A64.5050	25140
28518.026	4469.0557	21640	28B09.178	3A66.5125	20980	28A56.129	3A64.4760	27440
28518.342	4469.0188	25540	28B09.586	3A66.4634	29940	28A56.232	3A64.4537	30A40
28519.011	4468.9384	24740	28B09.957	3A66.3708	22740	28B56.483	3A64.4335	21680
28519.111	4468.9384	24740	28B09.957	3A66.3708	22740	28A56.873	3A64.3867	20380
28519.270	4468.9072	34A40	28B40.520	3A66.3512	23180	28A56.951	3A64.3773	22280
28519.453	4468.8851	22540	28B40.695	3A66.3301	29440	28A57.465	3A64.3157	22980
28520.371	4468.7747	20808	28B40.937	3A66.3010	37240	28A57.601	3A64.2994	21208
28520.428	4468.7678	21880	28B41.110	3A66.2803	26740	28A57.716	3A64.2855	20840
28520.529	4468.7556	22840	28B41.197	3A66.2698	25140	28A57.849	3A64.2696	23340
28521.144	4468.6816	22A80	28B41.336	3A66.2531	24080	28A58.070	3A64.2430	22440
28521.962	4468.5831	23740	28B41.399	3A66.2455	21A80	28A58.121	3A64.2369	22380
28522.143	4468.5613	28540	28B41.524	3A66.2305	21780	28A58.767	3A64.1569	21580
28522.585	4468.5082	25340	28B41.741	3A66.2044	22140	28A59.173	3A64.1106	21440
28522.882	4468.4724	20740	28B41.875	3A66.1882	23A40	28A59.371	3A64.0869	27340
28523.050	4468.4522	21140	28B41.982	3A66.1754	24680	28A59.603	3A64.0591	31240
28523.294	4468.4228	24140	28B42.014	3A66.1716	24A40	28A60.314	3A63.9737	24140
28523.501	4468.3979	22140	28B42.303	3A66.1369	33740	28B60.547	3A63.9457	25340
28523.638	4468.3814	21740	28B42.474	3A66.1163	23080	28B60.621	3A63.9368	24A80
28524.336	4468.2974	21040	28B42.551	3A66.0992	21540	28B60.869	3A63.9070	35340
28524.746	4468.2491	26A60	28B42.949	3A66.0586	22240	28B61.130	3A63.8847	22A80
28525.020	4468.2142	21980	28B43.620	3A65.9796	22240	28B61.305	3A63.8847	22A80
28525.318	4468.1793	26240	28B43.917	3A65.9549	23040	28B61.953	3A63.7749	27740
28525.587	4468.1469	21340	28B44.002	3A65.9356	21640	28B62.463	3A63.7157	25508
28525.698	4468.1336	23390	28B44.002	3A65.9356	21640	28B62.567	3A63.7033	27040
28526.115	4468.0834	26140	28B44.272	3A65.9003	24240	28B62.773	3A63.6786	24C08
28526.405	4468.0241	26140	28B44.942	3A65.8197	25340	28B62.874	3A63.6664	30340
28526.707	4468.0122	22140	28B44.942	3A65.8197	25340	28B63.143	3A63.6341	32A80
28527.206	4467.9522	27940	28B45.270	3A65.7804	23640	28B63.621	3A63.5768	24508
28527.525	4467.9138	21A40	28B45.462	3A65.7573	23240			

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SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
28863.744	3463.5620	301A0	28895.125	3460.99A2	23A40	28903.862	345A.7546	302B0
28863.862	3463.5679	33B40	28895.262	3460.9918	250A0	28904.080	345A.7285	337A0
28864.059	3463.5239	215R0	28895.376	3460.96A1	235A0	28904.275	345A.7051	274R0
28864.244	3463.5016	226A0	28895.376	3460.96A1	235A0	28904.475	345A.6817	227C0
28864.380	3463.4858	217R0	28895.462	3460.9152	223C8	28904.641	345A.6612	227A0
28864.570	3463.4629	230A0	28895.552	3460.8032	24A40	28905.173	345A.5976	249A0
28864.690	3463.4488	22A40	28895.632	3460.7818	285A0	28905.596	345A.5471	250A0
28864.837	3463.4308	218A0	28895.710	3460.7403	253A0	28906.452	345A.4447	218R0
28865.097	3463.3997	233A0	28895.729	3460.7321	259A0	28906.719	345A.4129	279A0
28865.528	3463.3680	267A0	28895.854	3460.6737	269A0	28907.037	345A.3747	249A0
28865.968	3463.3252	211A0	28895.967	3460.6576	243A0	28907.587	345A.3088	218R0
28866.230	3463.2837	234A0	28896.090	3460.6430	335A0	28907.714	345A.2936	224R0
28866.710	3463.2061	211A0	28896.348	3460.6096	305A0	28907.854	345A.2749	232A0
28866.951	3463.1727	233A0	28896.639	3460.5772	226A0	28907.932	345A.2576	234R0
28867.406	3463.1222	220A0	28896.902	3460.5456	301A0	28908.172	345A.2389	218A0
28867.806	3463.0746	215R0	28897.144	3460.5167	258R0	28908.491	345A.2006	272A0
28868.019	3463.0492	306A0	28897.555	3460.4675	267A0	28908.745	345A.1703	368A0
28868.252	3463.0212	204R0	28897.769	3460.4418	275A0	28908.928	345A.1483	245A0
28868.365	3463.0052	252C8	28897.898	3460.4264	264A0	28909.005	345A.1391	239R0
28868.504	3462.9909	298A0	28898.067	3460.4085	227R0	28909.315	345A.1021	228A0
28868.619	3462.9791	231A0	28898.084	3460.3958	268A0	28909.446	345A.0864	220A0
28868.715	3462.9640	32670	28898.540	3460.3494	263A0	28909.560	345A.0728	267A0
28868.852	3462.9452	259A0	28898.744	3460.3250	248A0	28909.806	345A.0433	255A0
28869.782	3462.8376	274A0	28899.1342	3460.2534	255A0	28910.116	345A.0063	306A0
28870.295	3462.7760	276A0	28899.291	3460.1938	229A0	28910.645	3457.9430	257A0
28871.057	3462.6846	238R0	28899.760	3460.0835	329A0	28911.645	3457.8234	245A0
28871.355	3462.6490	239A0	28899.839	3460.0702	328A0	28911.841	3457.7999	249A0
28871.851	3462.5894	238C0	28899.239	3460.0263	232A0	28911.914	3457.7912	227A0
28872.904	3462.4632	317A0	28899.551	3459.9888	258R0	28912.340	3457.7403	245R0
28873.695	3462.3683	268A0	28899.739	3459.9663	231R0	28912.580	3457.7116	347A0
28874.727	3462.2925	301A0	28899.864	3459.9488	284A0	28912.739	3457.6925	273A0
28874.576	3462.2627	263A0	28899.133	3459.9191	282A0	28913.081	3457.6517	220C8
28875.676	3462.2507	256R0	28899.317	3459.8972	263A0	28913.654	3457.5820	258A0
28876.932	3462.2200	366A0	28899.387	3459.8897	259A0	28913.764	3457.5461	254A0
28877.015	3462.2100	342R0	28899.456	3459.8805	246R0	28914.674	3457.4587	256A0
28877.362	3462.1684	274R0	28899.598	3459.8435	231C8	28914.949	3457.4283	240A0
28875.604	3462.1394	244A0	28899.724	3459.8484	235A0	28915.167	3457.4022	250A0
28875.722	3462.1252	224R0	28899.845	3459.8339	218R0	28915.566	3457.3545	236A0
28875.806	3462.1152	221R0	28899.134	3459.7993	213R0	28916.446	3457.2493	243A0
28876.100	3462.0799	217A0	28899.315	3459.7776	265A0	28916.543	3457.2377	248A0
28876.512	3462.0305	234A0	28899.591	3459.7446	269A0	28917.047	3457.1775	232A0
28876.690	3462.0092	248A0	28899.753	3459.7252	334A0	28917.145	3457.1657	221R0
28876.969	3461.9757	275A0	28899.980	3459.6980	279A0	28917.424	3457.1324	256B0
28877.215	3461.9462	239A0	28899.292	3459.6608	228A0	28917.665	3457.1035	256A0
28877.740	3461.8833	275A0	28899.872	3459.5912	232A0	28917.918	3457.0733	293A0
28877.837	3461.8717	243A0	28899.043	3459.5708	254A0	28918.137	3457.0471	340A0
28878.609	3461.7791	226R0	28899.530	3459.5124	219B0	28918.424	3457.0127	230A0
28879.093	3461.7224	290A0	28899.748	3459.3666	224A0	28918.944	3456.9625	232A0
28879.672	3461.6517	241C4	28899.916	3459.3465	231B0	28919.960	3456.9488	214B0
28880.386	3461.5662	278A0	28899.145	3459.3190	234A0	28919.127	3456.9287	236A0
28881.089	3461.4818	252A0	28899.419	3459.1966	304A0	28919.327	3456.9145	255A0
28881.408	3461.4436	217A0	28900.608	3459.1440	304A0	28919.568	3456.8760	232A0
28881.667	3461.3886	252A0	28901.122	3459.0824	237A0	28919.750	3456.8543	221B0
28882.523	3461.3100	270A0	28901.379	3459.0516	267A0	28920.444	3456.7714	243A0
28882.725	3461.2857	224R0	28901.775	3459.0043	237A0	28920.555	3456.7580	225B0
28883.373	3461.2081	241A0	28902.142	3458.9604	274A0	28920.623	3456.7260	247A0
28883.990	3461.1342	244A0	28902.529	3458.9141	301A0	28920.942	3456.7118	218B0
28884.477	3461.0759	240A0	28903.088	3458.8471	301A0	28921.228	3456.6776	258A0
28884.870	3461.0287	237C8	28903.289	3458.8231	221B0	28921.824	3456.6064	281A0
28884.946	3461.0196	257A0	28903.690	3458.7751	253A0	28922.050	3456.5793	222B0

SIGMA	WL	I PS	CLASSIFICATION	ION	SIGMA	WL	I PS	CLASSIFICATION	ION	SIGMA	WL	I PS	CLASSIFICATION	ION	
28922.121	3456.5708	2230			28941.307	3454.2794	24940			28963.421	3451.6419	27740			
28922.363	3456.5196	22940			28941.492	3454.2573	21980			28963.689	3451.6100	28040			
28922.613	3456.5121	26640			28941.760	3454.2253	30340			28964.142	3451.5560	22040			
28923.245	3456.4365	21880		32723 7 3800 7 1	28942.392	3454.1498	31300			28964.483	3451.5177	22640			
28923.660	3456.3870	21680			28942.681	3454.1393	22940			28964.589	3451.5027	25640			
28923.907	3456.3574	23040			28942.616	3454.1231	25240			28964.849	3451.4717	32340			
28924.211	3456.3211	27740			28943.059	3454.0942	35440			28965.009	3451.4526	24840			
28924.423	3456.2958	23940			28943.250	3454.0713	23940			28966.314	3451.2971	28940			
28924.514	3456.2649	23340		31219 5 2294 5 2	28943.274	3454.0505	24180		30691 5 1749 6 22	28966.314	3451.2971	28940			
28924.653	3456.2683	22740			28943.476	3454.0204	24680			28967.093	3451.2044	31740			
28925.786	3456.1329	24240			28943.629	3454.0022	27940			28967.359	3451.1727	24340			
28926.205	3456.0828	23140			28943.886	3453.9716	26540			28967.700	3451.1320	27240			
28927.442	3455.9350	26940			28944.073	3453.9493	25140			28967.818	3451.1180	23580			
28927.699	3455.9283	27840			28944.736	3453.8741	24540			28968.003	3451.0959	26440			
28928.350	3455.8665	23840			28944.874	3453.8536	24228			28968.261	3451.0946	25040			
28928.577	3455.7994	24340			28944.964	3453.8430	27640			28970.140	3451.0814	22740			
28928.742	3455.7736	23940			28945.205	3453.8141	27340			28970.466	3451.0825	22340			
28929.038	3455.7443	34740		30678 7 1749 6 22	28945.489	3453.7803	30440		34612 4 5667 3 2	28970.911	3451.0795	23780			
28929.230	3455.7215	23940			28945.668	3453.7599	24028			28971.120	3451.0745	21280			
28929.911	3455.6401	22840			28945.770	3453.7467	27840			28971.328	3451.0699	22380			
28930.054	3455.6240	25080			28946.219	3453.6931	26640		1	28971.499	3451.0679	24780			
28930.162	3455.6101	31940			28946.393	3453.6724	23140			28971.542	3451.0644	25080			
28930.335	3455.5895	23640		1	28946.969	3453.6037	21828			28972.380	3451.0545	21780			
28930.624	3455.5789	22840			28947.148	3453.5922	23940			28972.684	3451.0543	23440			
28930.957	3455.5152	25040			28947.140	3453.5832	26540			28972.981	3451.0529	23080			
28931.029	3455.5065	25440			28947.412	3453.5509	22940			28973.217	3451.0478	23240			
28931.374	3455.4854	28140			28948.200	3453.4569	34040			28973.459	3451.0460	31740	32774 8 3800 7 11		
28931.533	3455.4464	28128			28948.313	3453.4434	24240			28973.660	3451.0393	22640			
28931.642	3455.4333	35740		28931 5 0 6 11	28950.347	3453.2007	22100			28974.478	3451.0346	22080			
28931.900	3455.4025	24940			28951.261	3453.0917	23140			28974.427	3451.0317	26940			
28931.978	3455.3932	24440			28951.502	3453.0659	22080			28975.574	3451.0317	23528			
28932.228	3455.3633	28540			28951.770	3453.0310	25440			28975.919	3451.0310	25540			
28932.361	3455.3474	22880			28952.089	3452.9959	22940			28976.491	3451.0349	23540			
28932.521	3455.3280	22240			28952.330	3452.9652	32240		34943 4 5991 4 11	28976.912	3451.0349	26640			
28933.018	3455.2590	22640			28952.905	3452.8946	24500			28977.343	3449.9835	27228			
28933.573	3455.2027	23840			28953.030	3452.8809	27180			28977.442	3449.9713	31140	34739 4 5762 5 11		
28933.619	3455.1734	22840			28953.156	3452.8657	33340		29573 5 620 5 11	28977.706	3449.9403	25228			
28934.090	3455.1409	22680			28953.396	3452.8371	27540			28977.788	3449.9305	28440			
28934.484	3455.0937	23940			28953.544	3452.8194	24440			28977.903	3449.9168	26440			
28935.128	3455.0170	25040			28953.794	3452.7896	29940		1	28978.494	3449.8965	24041			
28935.224	3455.0053	23340			28954.033	3452.7611	25940			28978.734	3449.8180	23440			
28935.687	3454.9503	23940			28954.336	3452.7249	26240			28978.911	3449.7968	27740			
28935.809	3454.9357	27840			28954.574	3452.6946	23040			28979.009	3449.7951	27640			
28936.559	3454.8462	25240			28954.782	3452.6717	25340			28979.358	3449.7436	23140			
28937.018	3454.8114	27040			28954.912	3452.6542	24340			28979.883	3449.7287	26940			
28937.615	3454.7201	23140			28955.575	3452.5732	23940			28979.968	3449.6734	24940			
28937.941	3454.6807	29840			28955.919	3452.5342	21900			28980.072	3449.6586	23380	32780 7 3800 7 1		
28938.280	3454.6407	27840			28956.501	3452.4684	25340			28980.168	3449.6472	24440			
28938.527	3454.6112	38240		29558 6 620 5 11	28957.883	3452.3020	24440			28980.251	3449.6373	23740			
28938.714	3454.5889	25640			28958.947	3452.1751	29840			28980.603	3449.5955	22080			
28938.982	3454.5808	25440			28959.480	3452.0877	22080			28981.248	3449.5187	27340			
28939.957	3454.5599	27940			28960.014	3452.0480	23440			28981.466	3449.4927	22240			
28939.244	3454.5256	22600			28960.285	3452.0157	20340		1	28981.931	3449.4373	28240			
28939.476	3454.4979	27640			28960.687	3451.9677	29440		1	28982.595	3449.3584	29140			
28939.552	3454.4889	25028			28961.167	3451.9106	23680		1	28982.795	3449.3345	26040			
28939.673	3454.4744	23840			28961.607	3451.8619	32140		1	28983.068	3449.3020	24628			
28940.294	3454.4000	23580			28961.734	3451.8459	28640			28983.175	3449.2893	28240			
28940.604	3454.3633	24540			28961.978	3451.8139	23740			28983.241	3449.2815	28140			
28940.684	3454.3537	23128			28962.466	3451.6961	22640			28983.436	3449.2582	23340			
28941.082	3454.3062	26940			28963.079	3451.6896	23240			28983.685	3449.2286	31540	32852 3 3860 3 11		

SIGMA	WL	I P S CLASSIFICATION ION	SIGMA	WL	I P S CLASSIFICATION ION	SIGMA	WL	I P S CLASSIFICATION ION
28983.868	1469.2068	268A0	29000.972	3447.1725	227R0	29019.873	3444.9272	229R0
28984.264	1469.1596	247A0	29001.099	3447.1574	227C8	29020.716	3444.8271	232A0
28984.575	1469.1277	297A0	29001.223	3447.1626	279A0	29020.936	3444.8129	234A0
28984.819	1469.0339	561A0	29001.602	3447.0876	258A0	29021.121	3444.7791	252A0
28985.003	1469.0717	236A0	29001.679	3446.9866	227A0	29021.539	3444.7105	235A0
28985.073	1469.0635	231R0	29002.810	3446.9561	231A0	29021.698	3444.7107	244A0
28985.525	1469.0096	250A0	29003.370	3446.8875	237A0	29021.938	3444.6822	304A0
28986.428	1469.9022	270A0	29003.612	3446.8350	247A0	29022.067	3444.6668	242C8
28987.127	1468.8190	260A0	29004.007	3446.8117	231R0	29022.229	3444.6476	231A0
28987.237	1468.8059	230R0	29004.165	3446.7929	260A0	29022.314	3444.6375	246A0
28987.404	1468.7754	316A0	29004.415	3446.7633	331A0	29022.719	3444.5894	293R0
28987.787	1468.7405	280A0	29004.749	3446.7312	276A0	29024.076	3444.6284	237A0
28988.099	1468.7034	262A0	29004.980	3446.6941	292A0	29024.286	3444.6036	262A0
28988.622	1468.6464	235A0	29005.073	3446.6851	247C8	29024.417	3444.5979	246A0
28988.597	1468.6441	225A0	29005.319	3446.6459	250A0	29024.820	3444.5401	263A0
28988.787	1468.6215	227A0	29005.666	3446.6147	235A0	29025.546	3444.2539	229A0
28988.934	1468.6040	254A0	29005.834	3446.5947	246A0	29026.717	3444.1150	245R0
28989.465	1468.5409	229A0	29005.956	3446.5802	237A0	29026.824	3444.1022	275A0
28989.566	1468.5289	241A0	29006.235	3446.5471	243R0	29027.863	3444.9789	250A0
28989.611	1468.4997	339A0	29006.806	3446.4792	234A0	29027.947	3444.9691	238A0
28990.066	1468.4694	227A0	29007.059	3446.4491	267A0	29028.171	3444.9425	242A0
28990.185	1468.4552	240A0	29007.734	3446.3689	240A0	29028.339	3444.9225	238A0
28990.461	1468.4223	245A0	29008.013	3446.3357	247A0	29029.001	3444.8440	236A0
28990.584	1468.4078	278A0	29008.206	3446.3128	267A0	29029.150	3444.8263	262R0
28990.894	1468.3708	226R0	29008.451	3446.2837	257A0	29029.323	3444.8057	222C8
28991.015	1468.3564	264A0	29008.687	3446.2557	257A0	29029.394	3444.7974	248A0
28991.251	1468.3254	259A0	29008.988	3446.2199	233A0	29029.647	3444.7674	243A0
28991.765	1468.2673	225A0	29009.626	3446.1442	252A0	29029.733	3444.7571	235R0
28991.984	1468.2421	234C8	29009.813	3446.1219	224A0	29030.570	3444.6519	222A0
28992.106	1468.2267	269A0	29010.123	3446.0851	224R0	29031.239	3444.5745	234A0
28992.383	1468.1937	258A0	29010.328	3446.0607	264A0	29031.473	3444.5507	234A0
28992.488	1468.1812	227R0	29010.535	3446.0361	240A0	29031.602	3444.5355	262A0
28993.050	1468.1144	223R1	29010.592	3446.0293	248A0	29031.708	3444.5228	259A0
28993.650	1468.0431	306A0	29011.094	3446.9697	221A0	29031.782	3444.5140	255R0
28993.754	1468.0307	269A0	29011.491	3446.9226	263A0	29032.035	3444.4840	244A0
28994.142	1467.9845	233A0	29011.627	3446.9064	245A0	29032.267	3444.4565	252A0
28994.396	1467.9546	288A0	29011.800	3446.8859	307A0	29032.645	3444.4117	247A0
28994.576	1467.8738	267A0	29012.122	3446.8476	264A0	29033.129	3444.3543	270A0
28995.316	1467.8449	260A0	29012.245	3446.8311	245B0	29033.255	3444.3394	234A0
28995.528	1467.8178	250C8	29012.322	3446.8238	249A0	29033.412	3444.3208	234A0
28995.600	1467.8112	266A0	29012.987	3446.7449	227A0	29033.644	3444.2933	297A0
28996.077	1467.7545	261A0	29013.224	3446.7148	294A0	29033.775	3444.2776	251A0
28996.425	1467.7131	312R0	29013.592	3446.6742	242A0	29033.714	3444.2612	236A0
28996.865	1467.6607	228R0	29013.866	3446.6405	232A1	29034.665	3444.1484	237A0
28997.025	1467.6417	227R0	29014.860	3446.5225	246A0	29035.527	3444.0699	283A0
28997.208	1467.6200	237A0	29015.481	3446.4487	237A0	29035.643	3444.0542	241R0
28997.431	1467.5934	254A0	29015.645	3446.4302	222R0	29035.856	3444.0306	242A0
28997.742	1467.5565	260A0	29015.926	3446.3954	240A0	29035.954	3444.0192	249A0
28998.006	1467.5251	237A0	29016.310	3446.3593	208R0	29036.070	3444.0055	232R0
28998.442	1467.4733	252A0	29016.649	3446.3100	236A0	29036.294	3444.9789	289A0
28998.543	1467.4612	250A0	29017.185	3446.2488	237A0	29036.542	3444.9496	391A0
28998.717	1467.4406	225A0	29017.286	3446.2344	253A0	29036.730	3444.9273	262R0
28998.885	1467.4206	250B0	29018.103	3446.1492	261A0	29036.798	3444.9107	258R0
28998.994	1467.4076	287A0	29018.143	3446.1326	233A0	29036.870	3444.9100	261A0
28999.324	1467.3643	245A0	29018.436	3446.0728	227A0	29036.960	3444.9000	261A0
28999.990	1467.2892	239A0	29018.436	3446.0563	234A0	29037.073	3444.8865	258A0
29000.240	1467.2586	316A0	29018.785	3446.0563	234A0	29037.152	3444.8772	261A0
29000.515	1467.2268	272A0	29018.697	3446.0431	330A0	29037.584	3444.8616	255A0
29000.595	1467.2054	261A0	29018.600	3446.0364	225B0	29037.587	3444.8494	248R0
			29018.770	3446.0395	255A0	29037.531	3444.8323	265A0

SIGMA	WL	I PS	CLASSIFICATION	ION	SIGMA	WL	I PS	CLASSIFICATION	ION	SIGMA	WL	I PS	CLASSIFICATION	ION
29037.694	3442.782	23840			29054.707	3440.773	25540			29080.401	3437.7567	25940		
29037.983	3442.787	22980			29055.037	3440.773	23840			29080.680	3417.7238	24440		
29038.107	3442.7640	23940			29055.296	3440.7579	21840	1		29080.857	3431.7029	24390		
29038.544	3442.7122	23190			29055.691	3440.6816	21940			29081.101	3437.6740	32040		
29038.614	3442.7039	240CR			29056.212	3440.6187	25440			29081.197	3437.5444	23640		
29038.697	3442.6941	26190			29056.302	3440.6080	27140			29082.392	3437.5214	25240		
29038.763	3442.6842	26440			29056.500	3440.5491	248CR			29082.589	3437.4491	27240		
29039.010	3442.6549	27240			29056.921	3440.5348	23840			29082.709	3437.4839	27940		
29039.274	3442.6252	29440			29057.182	3440.5074	25240			29082.846	3437.4677	26940		
29039.673	3442.5784	27240			29057.293	3440.4919	23840			29083.038	3437.4451	28740		
29040.595	3442.4690	24440			29057.534	3440.4617	27440	32926 4	3064 3 1	29084.258	3437.3209	24880		
29040.954	3442.4265	23540			29058.189	3440.3846	23940			29084.392	3437.2850	29440		
29041.033	3442.4171	22980			29058.793	3440.3144	26240			29085.284	3437.1795	29440		
29041.261	3442.3901	26540			29059.758	3440.1949	25840			29085.530	3437.1505	33440		
29041.504	3442.3613	25740	32842 6	3800 7 11	29060.288	3440.1362	24440			29085.746	3437.1250	25440		
29041.734	3442.3337	24740			29060.469	3440.1147	23180			29085.975	3437.0980	23640		
29041.932	3442.3104	25240			29061.761	3440.0801	23240			29086.444	3437.0254	23940		
29042.571	3442.2448	26540			29061.254	3440.0217	25540			29086.733	3437.0094	26240		
29042.678	3442.2221	24340			29061.814	3439.9747	26640			29086.792	3437.0014	27840		
29042.794	3442.2081	23040			29062.159	3439.9146	25640			29087.079	3436.9674	23690		
29043.031	3442.1802	23390			29062.308	3439.8970	300CR			29087.227	3436.9500	25940		
29043.220	3442.1579	30440			29062.401	3439.8840	31940	29682 4	620 5 11	29087.432	3436.8785	255CR		
29043.399	3442.1346	24340			29062.586	3439.8642	23440			29087.432	3436.8785	255CR		
29044.091	3442.0547	26940			29062.841	3439.8340	26140			29087.954	3436.8860	26640		
29044.360	3442.0228	23740			29063.851	3439.7144	254CR			29088.431	3436.8077	25540		
29044.594	3441.9941	24140			29063.976	3439.6996	31640			29088.673	3436.7792	34640	33794 3	4706 2 22
29044.681	3441.9447	23540			29064.663	3439.6470	23780			29089.993	3436.7413	25640		
29044.790	3441.9708	25740			29065.511	3439.6180	24240			29089.598	3436.6699	24080		
29045.045	3441.9416	15740	29665 4	620 5 11	29065.786	3439.5878	24540			29089.889	3436.6345	24740		
29045.284	3441.9178	23940			29066.131	3439.5445	32940			29089.985	3436.6241	26040		
29046.434	3441.7706	25940			29066.368	3439.5165	27840	33341 6	4275 6 11	29090.073	3436.6137	237CR		
29046.474	3441.7491	23340			29066.850	3439.4594	24740			29090.230	3436.5951	22840		
29046.862	3441.7293	22290			29068.056	3439.4168	27140			29090.533	3436.5594	23840		
29046.976	3441.7128	23440			29068.422	3439.3735	26640			29091.220	3436.5478	22880		
29047.601	3441.6388	24440	35038 3	5991 4 1	29069.225	3439.3784	23940			29091.455	3436.4504	23380		
29047.676	3441.6298	23490			29069.591	3439.3351	23580			29091.604	3436.4329	25440		
29048.192	3441.5447	25342			29070.364	3439.3437	259CR			29092.115	3436.3755	27940		
29048.506	3441.5315	26440			29070.474	3439.3208	29540			29093.613	3436.1956	26240		
29049.042	3441.5000	25940			29070.608	3439.3148	30040			29093.748	3436.1796	30740		
29049.501	3441.4254	27640			29070.991	3439.2696	31840			29094.138	3436.1335	25240		
29049.520	3441.4114	23440			29071.343	3439.2279	23140			29094.439	3436.0508	27840	34885 5	5790 5 2
29049.609	3441.4008	23740			29071.517	3439.2074	23240			29095.384	3435.9864	30540		
29050.087	3441.3442	25240	34812 6	5762 5 1	29071.893	3439.1674	23940			29095.584	3435.9643	30840		
29050.457	3441.3043	23240			29071.994	3439.1510	27340			29096.014	3435.9120	25240		
29050.773	3441.2648	22390			29072.435	3439.0987	27040			29096.669	3435.8346	26440		
29051.215	3441.2105	26440			29072.759	3439.0405	24840			29097.035	3435.7915	28440		
29051.530	3441.1732	24440			29073.472	3439.0761	24440			29097.486	3435.7381	23940		
29052.124	3441.1024	22190			29073.807	3439.0365	29740			29097.656	3435.7181	24040		
29052.374	3441.0733	26540			29074.929	3439.0337	29540			29097.722	3435.7103	23780		
29052.594	3441.0468	30340			29075.445	3439.0428	25440			29098.005	3435.6768	23240		
29052.660	3441.0371	32440	29673 6	620 5 11	29075.941	3439.0458	25940			29098.455	3435.6237	23540		
29053.035	3441.0216	273CR			29077.452	3439.1054	25440			29098.578	3435.6093	23340		
29053.215	3440.9950	35340			29077.836	3439.0245	24240	33353 5	4275 6 1	29098.720	3435.5948	25680		
29053.422	3440.9738	238CR			29078.133	3439.0119	233R2			29098.970	3435.5829	35540		
29053.850	3440.8984	30140			29078.450	3439.0674	24140			29099.049	3435.5536	34440		
29054.135	3440.8647	24440	33475 6	4420 5 2	29078.565	3439.0738	228CR			29099.385	3435.5140	33240		
29054.331	3440.8415	28840			29079.970	3439.0259	30140			29099.577	3435.4913	40040	29099 5	0 6 11
29054.524	3440.8187	23840			29079.099	3439.0107	27840			29099.772	3435.4682	28040		
29054.655	3440.8031	23540			29079.644	3439.0463	23540			29099.831	3435.4613	27740		
					29079.709	3439.0149	23580			29099.977	3435.4440	25380		

SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION
29100.166	1435.4218	23740	29116.701	3413.4707	27078	29145.008	3430.1359	27240
29100.305	1435.4053	23940	29116.933	3413.4474	27080	29145.510	3430.0768	28740
29101.917	1435.3330	24240	29117.115	3413.4220	23508	29145.812	3430.0413	28940
29101.884	1435.2190	26440	29117.473	3413.3797	25440	29145.958	3430.0241	26440
29102.129	1435.1990	36440	29118.435	3413.2192	26440	29147.151	3429.8836	25640
29102.102	1435.1677	33440	29119.011	3413.1904	24240	29148.075	3429.7749	24240
29102.421	1435.1555	24680	29119.142	3413.1829	27440	29148.966	3429.6724	24740
29102.710	1435.1214	24740	29119.353	3413.1581	24740	29149.822	3429.5695	24340
29103.721	1435.0021	22440	29119.581	3413.1390	24440	29149.944	3429.5251	23580
29103.879	1434.9974	23280	29120.171	3413.0616	24640	29150.701	3429.5248	32840
29103.958	1434.9743	28440	29120.961	3412.9802	24140	29150.624	3429.4750	23508
29104.397	1434.9223	23440	29121.764	3412.8719	24980	29150.816	3429.4524	30540
29105.060	1434.8440	23740	29121.821	3412.8671	24780	29150.886	3429.4442	25408
29105.257	1434.8214	23840	29122.375	3412.8018	26440	29151.232	3429.4035	27740
29105.363	1434.8083	24640	29122.478	3412.7906	26340	29151.363	3429.3880	21440
29105.588	1434.7818	26940	29122.565	3412.7703	25108	29151.771	3429.3401	25440
29105.887	1434.7465	24640	29123.378	3412.6816	30740	29151.955	3429.3184	24640
29106.457	1434.6556	27440	29123.795	3412.6344	23640	29152.296	3429.2783	25240
29106.843	1434.6137	27440	29124.055	3412.6047	26740	29152.483	3429.2564	24640
29107.054	1434.6040	30640	29124.167	3412.5904	23740	29152.803	3429.2187	25740
29107.279	1434.5822	25040	29124.306	3412.5741	24440	29153.271	3429.1660	30640
29107.353	1434.5734	24880	29124.467	3412.5552	25440	29153.812	3428.9824	30840
29107.636	1434.5400	26440	29124.663	3412.5320	24580	29154.246	3428.9314	25840
29107.888	1434.5107	23940	29124.985	3412.4941	26540	29154.544	3428.8850	25840
29108.872	1434.3942	24940	29125.084	3412.4825	27740	29154.947	3428.8488	23340
29108.956	1434.3844	23980	29125.220	3412.4665	24440	29155.183	3428.8212	27080
29109.237	1434.3512	27240	29125.298	3412.4573	23580	29155.626	3428.7740	23440
29109.603	1434.3070	28540	29125.435	3412.4412	24540	29155.909	3428.7280	26280
29109.834	1434.2808	38140	29125.599	3412.4217	24080	29156.313	3428.6859	26280
29110.024	1434.2583	25640	29125.858	3412.4013	31008	29156.556	3428.6426	35640
29110.085	1434.2512	25440	29126.124	3412.3566	37940			
29110.373	1434.2231	31840	29126.579	3412.3083	21340			
29110.587	1434.1942	24880	29127.079	3412.2474	24480			
29110.682	1434.1930	25440	29127.202	3412.2394	24508			
29110.909	1434.1433	36340	29127.302	3412.2211	31340			
29111.213	1434.1181	25240	29127.865	3412.1647	31540			
29111.445	1434.0893	27840	29128.465	3412.0370	27880			
29111.603	1434.0719	29440	29129.136	3412.0049	25240			
29111.979	1434.0277	23040	29129.316	3411.9838	26640			
29112.270	1433.9980	25740	29129.645	3411.9450	24440			
29112.341	1433.9849	26540	29129.772	3411.9300	25440			
29112.455	1433.9715	25140	29129.852	3411.9204	25140			
29112.611	1433.9531	24840	29130.595	3411.8531	24440			
29112.822	1433.9282	26040	29130.769	3411.8129	24240			
29113.042	1433.9023	38740	29131.192	3411.7694	24780			
29113.479	1433.8494	26640	29131.435	3411.7341	33640			
29113.849	1433.8070	27740	29132.168	3411.6477	27440			
29113.951	1433.7950	24040	29132.932	3411.5578	27840			
29114.351	1433.7479	23840	29133.411	3411.5013	25708			
29114.436	1433.7378	23980	29133.652	3411.4805	29040			
29114.674	1433.7095	33940	29133.852	3411.4700	29640			
29115.145	1433.6542	25280	29133.901	3411.4437	25540			
29115.482	1433.6145	26008	29134.216	3411.4066	25040			
29115.865	1433.5870	31440	29134.684	3411.3514	28240			
29116.133	1433.5577	23980	29134.917	3411.3265	24980			
29116.133	1433.5577	22780	29135.060	3411.3071	25940			
29116.512	1433.4930	23740	29135.226	3411.2876	23440			
29116.639	1433.4781	24440	29135.390	3411.2683	24640			



SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION	SIGMA	WL	I PS CLASSIFICATION	ION
29157.062	3624.170	2690		29176.663	3426.614	3640		29195.896	3624.1570	25540	
29158.140	3628.5910	26740		29176.918	3426.184	30440		29196.123	3624.1298	30140	33781 6 4585 6 2
29158.250	3628.5731	26940		29177.524	3426.1132	23490		29196.528	3624.0835	28140	
29158.614	3628.5588	23590		29177.645	3426.2969	25940		29197.781	3624.0532	26440	32997 6 3800 7 1
29158.683	3628.5507	23590		29177.855	3426.2460	25190		29197.046	3624.0221	24240	
29159.123	3628.6754	27740		29177.659	3426.2738	27140		29197.240	3624.0994	26640	
29159.491	3628.6322	24840		29178.161	3426.2384	27140		29197.464	3624.0731	26140	
29159.675	3628.6195	27340		29178.436	3426.2061	29940		29197.610	3624.0560	30140	
29159.871	3628.5874	25840		29178.836	3426.1328	25700		29198.429	3624.0800	28640	
29160.236	3628.3848	26240		29179.142	3426.1237	27640		29198.680	3624.0805	26040	
29160.542	3628.2616	28840		29179.273	3426.1078	24140		29199.738	3624.0704	27840	
29161.360	3628.2124	25940		29179.621	3426.0669	23300		29199.918	3624.0854	26240	
29161.508	3628.1951	26040		29179.944	3426.0290	25940		29200.265	3624.0416	24940	
29161.768	3628.1645	25040		29180.220	3426.0964	24090		29200.534	3624.0608	25190	
29162.005	3628.1306	23790		29180.264	3426.0912	24640		29201.374	3624.0545	25140	
29162.195	3628.1194	24300		29180.781	3426.0317	24140		29202.484	3624.0431	26140	36828 8 7326 7 1
29162.287	3628.1034	27440		29181.209	3426.0609	24940		29202.900	3624.0357	25000	
29162.591	3628.0677	24840		29181.581	3426.0388	34940	34943 4	29203.001	3624.0323	30740	
29163.338	3627.9799	28940		29181.753	3426.0166	26340		29203.928	3624.0213	26940	
29163.427	3627.9674	26740		29181.986	3426.0420	24240		29204.148	3624.0189	25240	
29163.892	3627.9147	27840		29182.184	3426.0660	24440		29204.332	3624.0179	25940	
29164.119	3627.8980	26840		29182.559	3426.0220	29740		29204.630	3624.0139	27040	
29164.226	3627.8725	28140		29182.903	3426.0816	24140		29204.826	3624.0110	34440	29825 4
29165.015	3627.7827	24140		29183.485	3426.0132	24940		29205.460	3624.0157	26940	650 5 11
29165.045	3627.7334	26440		29183.477	3426.0673	24340		29205.547	3624.0255	28400	
29166.317	3627.6298	24240		29183.973	3426.0560	24140		29205.646	3624.0139	35140	2
29166.390	3627.6211	26340		29184.099	3426.0560	24140		29205.860	3624.0482	26140	
29166.561	3627.5853	27840		29184.180	3426.0296	24440		29206.207	3624.0482	26640	
29166.724	3627.5520	27840		29184.358	3426.0109	24940		29206.702	3624.0401	26740	
29167.289	3627.5156	33140		29184.682	3426.0258	24700		29206.925	3624.0840	30040	
29167.496	3627.4794	24640		29185.318	3426.0991	13640		29206.990	3624.0863	28140	
29167.729	3627.4638	27040		29185.507	3426.0740	24740		29207.738	3624.0767	30140	
29168.565	3627.3656	23940		29186.057	3426.0114	24940		29208.967	3624.0246	24400	
29168.684	3627.3516	27140		29186.309	3426.0419	28240		29209.993	3624.0544	25800	
29169.014	3627.3124	26840		29186.499	3426.0360	26140		29210.000	3624.0419	30440	
29169.284	3627.2811	23990		29187.377	3426.0545	24300		29210.203	3624.0798	26700	
29169.608	3627.2665	24840		29187.446	3426.0440	24640		29210.596	3624.0472	25400	
29170.165	3627.1770	24940		29187.705	3426.0180	32640	29476 6	29210.505	3624.0445	24800	
29170.180	3627.1407	33640		29188.401	3426.0763	25640		29210.692	3624.0275	24800	
29170.580	3627.1277	33800		29189.138	3426.0609	25100		29210.782	3624.0420	24400	
29170.774	3627.1060	29340		29189.490	3426.0625	25940		29211.119	3624.0345	29540	34612 4 5401 3 2
29170.995	3627.0900	29940		29189.625	3426.0927	25640		29211.397	3624.0282	26040	
29171.512	3627.0193	24440		29190.003	3426.0883	24940		29211.709	3624.0304	29140	1
29171.752	3626.9912	25740		29190.082	3426.0391	24200		29211.830	3624.0292	28740	
29171.843	3626.9805	25940		29190.322	3426.0109	31040		29212.325	3624.0212	24700	
29171.954	3626.9672	25840		29190.634	3426.0301	24840		29212.474	3624.0137	26040	
29171.993	3626.9624	25901		29191.068	3426.0244	24680		29212.569	3624.0206	26240	
29173.311	3626.8030	27540		29191.895	3426.0243	24940		29212.819	3624.0174	24890	
29173.470	3626.7883	28540		29192.352	3426.0645	27840		29212.819	3624.0174	24890	
29173.808	3626.7496	25040		29192.589	3426.0586	27840	30941 7	29213.007	3624.0151	24200	
29174.608	3626.6987	28740		29192.708	3426.0310	33940		29213.145	3624.0132	25340	
29175.769	3626.5803	26300		29192.481	3426.0131	24940		29213.861	3624.0133	25840	
29175.213	3626.5845	29840		29194.096	3426.0682	25940		29213.987	3624.0365	25000	
29175.525	3626.5479	23780		29194.296	3426.0447	24940		29214.432	3624.0198	26400	
29175.759	3626.5204	32140		29194.384	3426.0334	25940		29216.212	3624.0169	27990	
29176.030	3626.4886	25140		29194.453	3426.0262	26340		29216.212	3624.0169	27990	
29176.354	3626.4745	25540		29194.534	3426.0167	25940		29217.922	3624.0128	31440	37596 5 8379 4 2
29176.354	3626.4506	24340		29194.730	3426.0438	25180		29217.922	3624.0128	31440	
29176.421	3626.4427	24180		29194.919	3426.0716	30140		29219.447	3624.0139	27990	
29176.590	3626.4229	24600		29195.158	3426.0436	24840		29219.775	3624.0139	27680	

SIGMA	WL	i	PS	CLASSIFICATION	ION	SIGMA	WL	i	PS	CLASSIFICATION	ION	SIGMA	WL	i	PS	CLASSIFICATION	ION	
29219.967	1421.3362	3740				29271.131	3415.3557	2920				29322.340	3409.3909	2960				
29220.375	1421.2884	2810				29271.461	3415.3149	3040				29322.411	3409.3027	3000				
29221.514	1421.1551	3010				29272.863	3415.1537	3030				29322.526	3409.3693	2740				
29222.234	1421.0700	2820			33090 3	29273.757	3415.0293	2770				29322.844	3409.1811	3360			33126 0	3800 7 11
29222.660	1421.0209	2730				29275.414	3414.8561	2760				29325.433	3409.1243	2870				
29222.919	1420.9936	2680				29275.742	3414.8178	2610				29325.647	3409.0064	3240			30240 5	914 4 2
29224.177	1420.9333	2650				29276.439	3414.6809	3160			35030 5	29329.078	3409.6076	3090				
29225.767	1420.8572	2810				29277.024	3414.6443	2750				29329.245	3409.5892	2760				
29225.878	1420.8442	2800				29277.903	3414.5925	2970				29329.329	3408.5660	2670				
29227.336	1420.8746	2650				29278.902	3414.5450	2780				29332.814	3408.1734	2540				
29227.593	1420.8435	3000				29278.052	3414.5483	2680				29332.818	3408.1734	2540				
29227.887	1420.8001	2860				29279.416	3414.3893	3020				29333.347	3407.9953	2740				
29230.353	1420.1205	2980				29279.416	3414.3893	3020				29333.347	3407.9953	2740				
29230.784	1420.0701	3040			34490 6	29280.049	3414.3154	3040			33733 4	29333.514	3407.9138	3120			31083 5	1749 6 2
29231.684	1419.9647	3120			31526 5	29281.060	3414.1976	2710				29335.006	3407.9138	2860				
29231.762	1419.9533	2670				29281.185	3414.1870	2910				29335.355	3407.8782	3340				
29232.060	1419.9208	2780				29282.215	3414.0428	2900				29339.476	3407.3531	3250				
29232.066	1419.9208	2780				29282.813	3413.9932	2770				29341.090	3407.2133	2740				
29232.589	1419.8589	3020				29283.084	3413.9614	2890				29341.994	3407.2001	2710				
29232.724	1419.8431	2880				29283.463	3413.8008	3130				29343.500	3406.6423	3150				
29233.787	1419.7187	2780				29285.301	3413.7031	3190			33730 3	29343.641	3406.8929	2920				
29235.188	1419.5548	2780				29286.221	3413.5049	2940				29344.101	3406.8625	3040			33797 5	4453 4 11
29235.931	1419.5509	3040			33512 6	29286.446	3413.2900	2760				29344.588	3406.8060	3080				
29236.564	1419.1539	3090				29286.215	3413.2849	2980			29909 4	29344.739	3406.7884	3500			33213 3	3068 3 11
29236.723	1419.1414	2920				29290.096	3413.1443	2570				29345.190	3406.7372	2730				
29236.983	1419.9930	3070				29290.656	3413.0790	2770				29345.378	3406.7143	2720				
29241.208	1419.4509	3020				29290.783	3413.0642	2790				29345.450	3406.7058	2800				
29241.561	1419.4096	2710				29291.486	3412.9823	3040				29345.986	3406.6436	2820				
29243.578	1419.5737	2650				29291.999	3412.9276	2900			33877 6	29346.301	3406.6071	2870				
29244.458	1419.4709	2680				29292.500	3412.8642	3240				29347.149	3406.5987	3110			29967 4	620 5 11
29245.224	1419.4913	3590			29065 6	29292.659	3412.8456	2730				29347.599	3406.5564	2790				
29247.684	1419.0938	2850				29293.242	3412.7776	2740				29347.751	3406.4887	2750				
29248.569	1417.9804	2870				29293.648	3412.7071	2780				29348.076	3406.4260	3500				
29248.847	1417.9579	2790				29293.951	3412.6651	3140			29914 6	29349.212	3406.2852	3380			30263 4	914 4 22
29249.866	1417.4845	2740				29294.147	3412.6722	3390				29350.472	3406.1230	2640				
29251.693	1417.4253	2800				29294.957	3412.5779	3240			33570 7	29353.633	3405.7562	3100				
29252.047	1417.5916	2740				29296.342	3412.4166	2820				29353.717	3405.7464	3270				
29252.748	1417.5021	2690				29296.540	3412.3934	3050				29353.956	3405.7187	3520				
29253.513	1417.127	2740				29297.120	3412.3259	3390				29356.739	3405.3958	2890				
29254.377	1417.3118	2720				29297.409	3412.2923	2870				29357.746	3405.2789	2940				
29254.653	1417.2795	2940				29298.389	3412.1782	3590				29359.415	3405.0622	3020				
29256.303	1417.0968	2840				29298.833	3412.1244	2910			33099 7	29360.488	3404.9378	3060				
29256.394	1417.0761	2780				29299.108	3412.0944	3470				29361.418	3404.8531	2690				
29257.654	1416.9290	2710				29299.710	3412.0243	3010				29362.685	3404.8630	3240				
29258.422	1416.8057	2740				29302.027	3411.9248	2740				29364.373	3404.5104	2520				
29260.496	1416.5909	2870				29303.958	3411.5298	2740				29365.736	3404.3225	2790				
29261.172	1416.5205	2930				29305.027	3411.4052	2740			33980 5	29365.995	3404.3224	3870				
29261.264	1416.5074	2620				29306.656	3411.2156	3170			33175 4	29366.819	3404.2269	2690				
29261.425	1416.4896	2780				29307.800	3411.0824	2450				29366.992	3404.2068	3070				
29262.869	1416.3200	3230			29881 5	29308.131	3411.0359	2980			33176 2	29369.699	3403.8931	2520				
29263.054	1416.2993	2820				29311.309	3410.6740	2750				29369.708	3403.8079	3080				
29264.094	1416.1766	2680				29311.376	3410.6663	2770				29370.451	3403.7059	2710				
29264.499	1416.1297	3030				29312.091	3410.5930	2750				29370.687	3403.7786	2790				
29266.734	1416.1023	3140				29312.091	3410.5930	2750				29372.713	3403.6438	3620				
29266.935	1416.0789	2630			31014 5	29313.701	3410.4920	3280				29375.935	3403.2168	2920				
29268.434	1415.9566	2950				29313.701	3410.4920	3280			29313 6	29375.935	3403.2168	2920				
29268.869	1415.7341	2750				29315.918	3410.378	2810				29376.817	3403.0882	2930				
29269.919	1415.138	3100			29557 5	29316.099	3410.1167	2650			29316 5	29376.817	3403.0882	2930				
29270.071	1415.4794	3000			33723 4	29317.179	3409.9911	3360			33118 6	29379.354	3402.7744	2750				
29271.057	1415.3643	2720				29317.407	3409.9646	2780				29379.587	3402.7475	2720				
						29319.569	3409.7131	3110				29381.442	3402.5325	2820				

SIGMA	WL	I PS CLASSIFICATION ION	WL	I PS CLASSIFICATION ION	SIGMA	WL	I PS CLASSIFICATION ION	
29391.911	1402.4783	27280	29441.916	3105.5436	30290	29496.290	3389.2880	28540
29392.075	1402.4592	27680	29442.067	3105.5260	31080	29498.249	3389.0588	28680
29392.456	1402.4152	28880	29442.191	3105.5118	36440	29498.595	3389.0190	28940
29392.588	1402.3938	27880	29443.225	3105.3926	30540	29499.232	3389.9459	26868
29393.379	1402.2850	32340	29443.411	3105.3711	29940	29499.416	3389.9247	28540
29393.847	1402.2483	28140	29443.911	3105.3135	37940	29500.043	3389.3932	29740
29394.535	1402.1744	26940	29448.592	3104.7717	35440	29504.271	3389.3671	30640
29394.535	1402.1744	27280	29450.598	3104.5425	28640	29504.731	3389.3142	30340
29394.985	1401.8907	28940	29452.933	3104.2734	32240	29504.806	3389.3056	28780
29397.211	1401.8645	31740	29454.306	3104.1151	28740	29507.299	3389.0193	27040
29397.521	1401.8287	27480	29456.747	3103.8641	33840	29510.887	3387.6075	29840
29398.478	1401.1779	28040	29458.747	3103.8433	33740	29513.369	3387.3225	28140
29399.495	1401.2530	27640	29458.397	3103.8742	32640	29513.926	3387.2546	28040
29399.768	1401.2214	29140	29456.552	3103.8564	30940	29515.949	3387.0264	29640
29399.867	1401.2100	30440	29457.456	3103.7521	29440	29517.166	3386.9888	27440
29399.972	1401.0126	28640	29457.537	3103.7429	28880	29519.668	3386.5997	28442
29399.972	1401.0126	28640	29458.659	3103.6135	28740	29522.223	3386.3065	28440
29399.819	1400.7526	29440	29460.435	3103.4090	28180	29522.531	3386.2369	34440
29399.922	1400.7408	28440	29460.971	3103.3472	30440	29523.732	3386.1335	35040
29397.211	1400.7049	26940	29462.270	3103.1075	29140	29523.085	3386.1159	30940
29399.028	1400.6972	28940	29463.077	3102.9895	31440	29524.192	3386.0119	28580
29399.339	1400.6612	35340	29463.970	3102.8843	30340	29525.808	3385.8954	28680
29399.703	1400.6190	28240	29466.706	3102.8488	24280	29525.468	3385.8886	28440
29399.511	1400.3256	31940	29467.020	3102.6966	29140	29526.410	3385.8263	31140
29399.864	1400.2800	32440	29468.266	3102.5072	31540	29526.684	3385.7949	29640
29400.373	1400.2260	27880	29469.251	3102.3937	29240	29527.897	3385.6559	27880
29401.812	1400.1752	27480	29470.097	3102.2944	32040	29529.616	3385.4587	27980
29403.698	1399.9571	33240	29470.863	3102.2082	27840	29529.804	3385.4372	29040
29404.973	1399.8096	28440	29473.023	3101.9596	29140	29529.890	3385.4274	30040
29405.387	1399.7418	29840	29473.560	3101.9447	28640	29529.917	3385.3670	28340
29407.392	1399.6415	28940	29475.995	3101.6176	28140	29531.384	3385.2560	27280
29407.575	1399.5088	28540	29476.396	3101.5115	30840	29532.517	3385.1262	27380
29408.342	1399.4291	27840	29477.700	3101.4214	29240	29533.383	3385.0270	26940
29409.588	1399.2761	27480	29477.971	3101.3702	30840	29533.891	3384.9687	26640
29411.996	1398.9978	34340	29478.419	3101.3387	28280	29534.937	3384.8488	29040
29412.372	1398.9544	34840	29479.327	3101.2342	24540	29534.669	3384.8441	36740
29414.386	1398.7216	32040	29479.691	3101.1924	27982	29540.454	3384.2166	31240
29415.183	1398.6295	28240	29481.019	3101.0396	32740	29541.623	3384.0828	27080
29416.332	1398.4968	31340	29481.400	3100.9954	29680	29542.177	3384.0192	28080
29416.547	1398.4720	29440	29483.271	3100.7805	27980	29542.315	3384.0035	28340
29416.640	1398.4602	28440	29483.361	3100.7702	27680	29544.945	3383.7022	27740
29418.402	1398.2576	33540	29483.361	3100.7702	27680	29547.585	3383.3465	31040
29418.812	1398.2103	31240	29484.195	3100.6746	30840	29547.585	3383.3465	31040
29419.574	1398.1320	27480	29484.367	3100.4245	29840	29547.640	3383.3335	27740
29420.757	1397.9625	29540	29486.617	3100.3958	37840	29548.487	3383.2762	27280
29421.175	1397.9373	31340	29486.776	3100.3775	47840	29548.664	3383.2763	33940
29423.769	1397.6377	30240	29486.977	3100.3544	24280	29552.218	3382.8694	28640
29427.078	1397.2557	31640	29487.040	3100.3472	28480	29553.990	3382.8665	34140
29427.495	1397.2076	33540	29487.191	3100.3298	26480	29554.920	3382.5601	28640
29427.666	1397.1478	33540	29487.638	3100.2748	29140	29555.682	3382.4729	32740
29427.762	1397.1762	33780	29487.821	3100.2573	28640	29555.807	3382.4586	28680
29428.019	1397.0432	28640	29488.038	3100.2323	27940	29557.165	3382.3032	31740
29429.533	1396.9723	28940	29489.054	3100.1156	33740	29557.165	3382.3032	31740
29429.739	1396.9485	31040	29490.493	3100.9402	27780	29558.212	3382.1834	27280
29430.680	1396.8398	28040	29490.493	3100.9402	27780	29558.212	3382.1834	27280
29431.981	1396.6897	28040	29492.285	3100.7938	30440	29558.450	3382.1104	28740
29435.274	1396.3098	30340	29492.285	3100.7938	30440	29558.450	3382.1104	28740
29437.634	1396.0132	28740	29492.752	3100.6905	29640	29558.082	3381.9627	30740
29440.186	1395.7431	27280	29494.313	3100.5111	31840	29560.490	3381.9015	28340
29441.367	1395.6091	33140	29494.907	3100.4428	28340	29561.815	3381.7712	28240
29441.367	1395.6091	33140	29495.309	3100.3966	26640	29562.479	3381.6953	27780

SIGMA	ML	I	PS	CLASSIFICATION	ION	SIGMA	ML	I	PS	CLASSIFICATION	ION	SIGMA	ML	I	PS	CLASSIFICATION	ION			
29562.831	1361.6550	32340	34016 4	4453 4 11	1	2861.7331	3375.8320	32840	1	29685.614	3369.9361	29590	29685.614	3369.9361	29590	1	PS	CLASSIFICATION	ION	
29567.310	1361.1426	24340				29616.652	3375.2815	27780		29667.921	3369.6780	28280	29667.921	3369.6780	28280					
29567.438	1361.1290	27780				29621.059	3375.0072	27480		29669.472	3369.4999	27742	29669.472	3369.4999	27742					
29569.203	1361.0606	28280				29621.563	3374.9520	32740	35612 4	5991 4 11	29671.050	3369.2207	28190	29671.050	3369.2207	28190				
29569.504	1360.9919	31440				29624.413	3374.8250	27400		29671.902	3369.2240	29240	29671.902	3369.2240	29240					
29569.573	1360.9839	28440				29625.805	3374.6666	29540		29672.501	3369.1559	28940	29672.501	3369.1559	28940					
29569.978	1360.3376	27940				29626.164	3375.4257	29840		29673.772	3369.0114	28980	29673.772	3369.0114	28980					
29570.574	1360.7809	30940				29627.858	3374.3664	27280		29674.005	3368.9661	36440	29674.005	3368.9661	36440	29674 5	0 6 11			
29571.574	1360.6931	31840				29628.037	3374.3292	27440		29674.005	3368.9661	32540	29674.005	3368.9661	32540					
29572.746	1360.5211	29640				29628.683	3374.1833	31540	34049 6	4420 5 2	29675.545	3368.8103	29840	29675.545	3368.8103	29840				
29573.128	1360.4735	29440	33373 7	1800 7 11	28628.566	3374.0629	29840			29675.659	3368.7733	32840	29675.659	3368.7733	32840					
29573.429	1360.4630	27840				29629.713	3374.0214	29440		29676.289	3368.7258	29640	29676.289	3368.7258	29640					
29574.326	1360.3495	28540				29630.730	3373.9456	27780		29680.239	3368.2775	29040	29680.239	3368.2775	29040					
29575.666	1360.1623	30040				29630.939	3373.9819	27280		29680.385	3368.2610	27840	29680.385	3368.2610	27840					
29577.587	1379.9679	34140				29631.259	3373.8454	29540		29680.779	3368.1628	28040	29680.779	3368.1628	28040					
29578.849	1379.4236	27980				29631.643	3373.8245	27780		29681.321	3368.1567	28140	29681.321	3368.1567	28140					
29579.094	1379.7954	28580				29631.582	3373.8066	31040		29681.424	3367.9161	32340	29681.424	3367.9161	32340					
29580.271	1379.6611	28580				29632.317	3373.7249	27440		29683.617	3367.8942	33940	29683.617	3367.8942	33940	29683 5	0 4 2			
29582.654	1379.4343	27940				29632.646	3373.6874	27780		29683.897	3367.8625	28740	29683.897	3367.8625	28740					
29582.693	1379.3718	27840				29632.840	3373.6594	33640		29684.261	3367.8211	28080	29684.261	3367.8211	28080					
29582.922	1379.3583	27440				29633.914	3373.4792	28780		29684.601	3367.7825	28680	29684.601	3367.7825	28680	29684 3	0 4 2			
29583.132	1379.3343	27440				29633.587	3373.3528	27780	30550 5	914 4 2	29684.991	3367.7383	28740	29684.991	3367.7383	28740				
29583.178	1378.8722	28180				29634.631	3373.1199	28180		29685.094	3367.6245	33440	29685.094	3367.6245	33440					
29584.599	1378.7039	28740				29635.209	3373.0542	28440		29686.352	3367.5839	29380	29686.352	3367.5839	29380					
29584.888	1378.6748	28740				29636.332	3372.9502	27080		29686.581	3367.5579	26040	29686.581	3367.5579	26040					
29589.046	1378.6549	28340				29639.117	3372.9508	27440		29686.849	3367.5275	28480	29686.849	3367.5275	28480					
29589.211	1378.4738	27440				29640.304	3372.8153	27108		29687.685	3367.4327	28190	29687.685	3367.4327	28190					
29589.353	1378.6238	28080	33457 4	3368 3	29641.921	3372.6318	30540	30262 5	620 5 11	29688.539	3367.3358	27980	29688.539	3367.3358	27980					
29592.659	1378.2692	28180				29642.219	3372.6579	27840		29688.920	3367.2924	26240	29688.920	3367.2924	26240					
29593.014	1378.2043	35480	34044 3	4453 4 11	29643.434	3372.6596	27780			29689.167	3367.2664	27980	29689.167	3367.2664	27980					
29593.136	1378.1919	32540				29644.548	3372.1054	28140		29691.533	3366.9962	28040	29691.533	3366.9962	28040					
29594.118	1378.0748	28040				29644.876	3372.0681	27480		29692.979	3366.8323	29640	29692.979	3366.8323	29640					
29594.320	1377.7143	29240				29647.260	3372.0244	27200		29693.896	3366.7283	29240	29693.896	3366.7283	29240					
29597.476	1377.7011	29040				29647.475	3372.0056	30840	29936 5	289 5 22	29695.224	3366.5778	28240	29695.224	3366.5778	28240				
29598.667	1377.5606	28740				29647.565	3371.9897	31740		29699.711	3366.5091	31140	29699.711	3366.5091	31140					
29599.003	1377.5223	29740				29648.193	3371.9183	27480		29701.464	3365.8704	28640	29701.464	3365.8704	28640					
29599.605	1377.4307	27280				29648.449	3371.8649	27480		29701.727	3365.8406	33840	29701.727	3365.8406	33840	34155 4	4453 4 11			
29600.190	1377.4068	30240				29651.902	3371.9245	28480		29703.889	3365.6522	27780	29703.889	3365.6522	27780					
29601.229	1377.2682	28080				29652.820	3371.3621	27780		29705.096	3365.4588	28340	29705.096	3365.4588	28340					
29603.995	1376.9526	28980				29653.256	3371.3264	27480		29705.458	3365.4178	28080	29705.458	3365.4178	28080					
29604.101	1376.9445	28480				29653.391	3371.3283	29340		29705.574	3365.4007	27480	29705.574	3365.4007	27480					
29604.287	1376.9124	31440	29604 7	0 6 11	29653.717	3371.2961	33140			29706.602	3365.2882	28740	29706.602	3365.2882	28740					
29604.967	1376.9117	30340				29654.345	3371.2198	27280		29706.841	3365.2611	29440	29706.841	3365.2611	29440					
29605.144	1376.8214	28940				29654.143	3371.0164	28480		29707.279	3365.2116	29540	29707.279	3365.2116	29540					
29605.759	1376.7514	30640				29655.332	3370.9940	34540	34109 3	4453 4 11	29707.825	3365.1978	28480	29707.825	3365.1978	28480				
29606.324	1376.6864	30740	33474 4	3868 3 1	29656.624	3370.9596	28180			29708.028	3365.1247	34040	29708.028	3365.1247	34040					
29606.392	1376.6792	30840	30226 5	620 5 11	29657.223	3370.8916	29340			29708.969	3365.0202	28540	29708.969	3365.0202	28540					
29606.520	1376.6647	27940				29657.325	3370.8600	30440		29709.396	3364.9718	30340	29709.396	3364.9718	30340					
29607.080	1376.6007	29040				29658.930	3370.6576	28480		29710.071	3364.8953	28340	29710.071	3364.8953	28340					
29607.382	1376.5661	28440				29660.201	3370.5531	27340		29711.809	3364.6984	32440	29711.809	3364.6984	32440	33512 6	3800 7 11			
29607.568	1376.5481	33440				29661.064	3370.4546	28440		29711.974	3364.6797	28640	29711.974	3364.6797	28640					
29608.748	1376.2748	28040				29661.704	3370.3823	27740		29712.214	3364.6528	28040	29712.214	3364.6528	28040					
29612.051	1376.0349	33440				29662.745	3370.2640	27580		29713.082	3364.5583	28190	29713.082	3364.5583	28190					
29612.849	1375.9430	28940				29663.920	3370.1306	32240		29716.053	3364.2178	27580	29716.053	3364.2178	27580					
29612.943	1375.9322	28940				29664.413	3370.0745	29840		29716.779	3364.1357	28840	29716.779	3364.1357	28840					
29613.971	1375.9151	27980				29664.620	3370.0510	28740	34118 5	4453 4 1	29717.799	3364.0202	28740	29717.799	3364.0202	28740				
29614.320	1375.7792	33440				29665.109	3369.9864	27408		29718.706	3363.9176	30140	29718.706	3363.9176	30140					
29616.176	1375.5637	28240				29665.359	3369.9670	34040		29721.126	3363.6437	31740	29721.126	3363.6437	31740					
29616.746	1375.4987	31340				29665.534	3369.9472	29108		29722.199	3363.5223	28780	29722.199	3363.5223	28780					

SIGMA			WL			I P			CLASSIFICATION ION			SIGMA			WL			I PS			CLASSIFICATION ION			SIGMA			WL			I PS			CLASSIFICATION ION		
29723.189	1363.4101	29640	29700.012	1356.0919	29740	29851.395	1345.702	28840	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29724.849	1361.3310	30140	29702.006	1356.6663	29740	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29725.550	1363.2532	29020	29705.514	1356.1719	30140	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29726.472	1363.2924	30240	29706.110	1356.3051	29020	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29725.163	1363.1869	29240	29707.840	1356.6227	30040	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29726.535	1363.0316	29880	29709.472	1356.8000	29180	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29726.692	1363.0139	29840	29710.511	1357.0509	30180	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29728.839	1362.7709	29840	29711.511	1357.0509	30180	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29729.613	1362.6834	29280	29712.462	1357.4437	31340	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29730.851	1362.5434	29340	29713.208	1357.7925	29940	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29731.844	1362.4310	29040	29714.511	1358.5419	29980	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29732.423	1362.1023	29440	29715.137	1358.5205	29840	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29733.242	1362.0468	27340	29716.127	1357.5205	29840	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29735.923	1361.9697	27240	29717.351	1357.4861	29740	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29736.059	1361.9544	29040	29718.440	1357.9794	29040	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29737.744	1361.7639	31640	29719.947	1358.4000	29180	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29737.900	1361.7463	29880	29720.801	1358.419	30040	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29738.101	1361.7236	35540	29721.910	1358.5266	35840	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29741.958	1361.2876	29840	29722.119	1358.4778	27680	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29744.294	1361.0234	30040	29723.333	1358.4778	27680	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29745.501	1360.8402	30340	29724.642	1358.1059	29440	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29750.244	1360.3714	30240	29725.642	1358.0923	29440	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29750.547	1360.3171	29240	29726.140	1358.5964	24780	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29751.090	1360.2556	29240	29727.519	1358.5567	27290	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29752.294	1360.1851	30440	29728.912	1358.5567	27290	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29752.906	1360.1146	29440	29729.947	1358.4445	29140	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29752.594	1360.0876	31640	29730.912	1358.4001	31540	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29753.556	1360.0023	31340	29731.912	1358.2782	27140	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29753.273	1360.0092	40640	29732.303	1358.2782	27140	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29753.196	1360.0023	32380	29733.078	1358.2782	27140	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29754.537	1359.9794	29640	29734.078	1358.2782	27140	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29754.917	1359.9513	30940	29735.078	1358.2782	27140	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29754.501	1359.9510	31840	29736.140	1358.2782	27140	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29755.784	1359.9124	30640	29737.295	1358.2782	27140	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29757.080	1359.5194	29840	29738.295	1358.2782	27140	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2						
29758.487	1359.4205	29740	29739.312	1358.2782	27140	29851.491	1344.6645	28580	34306	3	4553	4	2	29851.491	1344.6645	28580	34439	5	4585	6	2	29851.491	1344.6645	28580	34439	5	4585	6	2</						

SIGMA		I PS CLASSIFICATION ION		SIGMA		I PS CLASSIFICATION ION		SIGMA		I PS CLASSIFICATION ION		
ML	ML	SIGMA	I PS CLASSIFICATION ION	ML	SIGMA	I PS CLASSIFICATION ION	ML	SIGMA	I PS CLASSIFICATION ION	ML	SIGMA	I PS CLASSIFICATION ION
29916.430	1341.6841	29149	30000.054	3332.3699	28440	30015.970	3319.3622	3840	33916.6	3800	7 11	
29916.624	1341.6023	37540	30001.899	3312.1619	29740	30017.586	3319.3641	29340				
29917.645	1341.5493	27440	30002.158	3312.1354	29140	30018.822	3319.3279	32940				
29918.294	1341.4758	32740	30003.698	3311.9641	30240	30019.085	3319.1988	33840			1	
29919.839	1341.3033	27760	30004.879	3311.8330	29340	30021.927	3319.8958	32840				
29921.561	1341.1109	29940	30005.466	3311.7670	28440	30022.801	3319.7685	30540	34708.6	4585.6	2	
29922.546	1340.9588	29440	30005.890	3311.7217	31140	30023.091	3319.7182	31740				
29923.628	1340.9915	29440	30006.263	3311.6733	31440	30023.157	3319.6482	32540	34407.5	4275.6	11	
29924.529	1340.7196	31940	30007.790	3311.5098	27580	30023.157	3319.5482	32540	30143.5	0.6	11	
29925.520	1340.6242	30440	30008.654	3311.3099	30840	30023.157	3319.5482	32540				
29927.893	1340.4041	30040	30012.774	3310.9545	29140	30023.157	3319.5482	32540				
29929.349	1340.2415	28440	30016.775	3310.5135	29740	30023.157	3319.5482	32540				
29930.488	1340.1144	31640	30017.775	3310.4018	32540	30023.157	3319.5482	32540				
29931.695	1339.9197	28740	30018.462	3310.3253	29540	30023.157	3319.5482	32540				
29932.594	1339.8793	30240	30018.462	3310.3253	29540	30023.157	3319.5482	32540				
29934.012	1339.7212	31740	30022.089	3309.9259	32640	30023.157	3319.5482	32540				
29935.475	1339.4464	32540	30027.561	3309.3161	29040	30023.157	3319.5482	32540				
29938.335	1339.2344	30640	30027.664	3309.307	31040	30023.157	3319.5482	32540				
29940.584	1339.0981	30740	30028.753	3309.1840	29080	30023.157	3319.5482	32540				
29941.701	1338.8045	30840	30032.694	3328.1840	29080	30023.157	3319.5482	32540				
29942.567	1338.7649	28840	30035.956	3328.2747	28580	30023.157	3319.5482	32540				
29943.032	1338.7129	28840	30041.959	3327.7204	29040	30023.157	3319.5482	32540				
29944.815	1338.5076	31640	30043.582	3327.5407	29540	30023.157	3319.5482	32540				
29945.354	1338.4562	35940	30043.902	3327.5134	31880	30023.157	3319.5482	32540				
29947.217	1338.2895	27580	30047.318	3327.1249	7140	30023.157	3319.5482	32540				
29947.868	1338.1759	27880	30048.118	3327.0344	29440	30023.157	3319.5482	32540				
29948.392	1338.1175	27440	30048.896	3326.9522	29140	30023.157	3319.5482	32540				
29950.006	1337.9374	31840	30049.920	3326.8350	32540	30023.157	3319.5482	32540				
29951.147	1337.8108	30380	30051.721	3326.6385	30840	30023.157	3319.5482	32540				
29951.187	1337.8040	30540	30052.694	3326.6385	30840	30023.157	3319.5482	32540				
29951.335	1337.7850	30940	30055.796	3326.1688	32440	30023.157	3319.5482	32540				
29951.658	1337.7670	28440	30056.150	3326.1492	28440	30023.157	3319.5482	32540				
29954.871	1337.3955	30140	30059.283	3325.8026	29180	30023.157	3319.5482	32540				
29957.901	1337.0580	28440	30059.449	3325.7841	29440	30023.157	3319.5482	32540				
29958.084	1337.0376	35440	30060.037	3325.7191	31840	30023.157	3319.5482	32540				
29959.457	1336.8846	29140	30060.726	3325.6459	32240	30023.157	3319.5482	32540				
29961.219	1336.8284	32540	30066.575	3324.9959	30540	30023.157	3319.5482	32540				
29964.541	1336.3184	30540	30069.572	3324.6645	32540	30023.157	3319.5482	32540				
29967.575	1335.9354	28840	30073.542	3324.2264	31140	30023.157	3319.5482	32540				
29969.193	1335.8695	31140	30073.542	3324.2264	31140	30023.157	3319.5482	32540				
29969.311	1335.7873	32640	30073.542	3324.2264	31140	30023.157	3319.5482	32540				
29970.214	1335.6790	28440	30073.542	3324.2264	31140	30023.157	3319.5482	32540				
29970.393	1335.6570	28740	30076.996	3323.8957	29340	30023.157	3319.5482	32540				
29971.163	1335.5812	28540	30081.913	3323.3005	30940	30023.157	3319.5482	32540				
29971.919	1335.4971	29740	30082.326	3323.2549	32340	30023.157	3319.5482	32540				
29973.054	1335.3708	27580	30083.531	3323.1217	30140	30023.157	3319.5482	32540				
29976.656	1334.9701	28440	30085.761	3322.8754	30240	30023.157	3319.5482	32540				
29977.979	1334.9341	30040	30087.628	3322.6693	31940	30023.157	3319.5482	32540				
29981.558	1334.4248	29040	30090.203	3322.3849	31440	30023.157	3319.5482	32540				
29982.133	1334.3608	29440	30092.621	3322.1180	30940	30023.157	3319.5482	32540				
29985.617	1333.9733	28240	30093.032	3322.0726	32740	30023.157	3319.5482	32540				
29986.316	1333.9955	30440	30096.268	3321.7154	34540	30023.157	3319.5482	32540				
29988.886	1333.8322	30140	30097.171	3321.6157	33440	30023.157	3319.5482	32540				
29989.820	1333.5061	31640	30099.292	3321.4567	32640	30023.157	3319.5482	32540				
29992.439	1333.31039	30040	30099.662	3321.3816	29740	30023.157	3319.5482	32540				
29993.267	1333.28985	32940	30099.566	3321.3514	30240	30023.157	3319.5482	32540				
29995.812	1333.28402	29240	30100.732	3321.2237	27740	30023.157	3319.5482	32540				
29996.468	1333.2316	29940	30104.231	3320.8311	29740	30023.157	3319.5482	32540				
29999.806	1333.3064	28740				30023.157	3319.5482	32540				

Count		Shape Code		Number	
Number	Code	Number	Code	Number	Code
1	0	57	0	36290	0
2	1	1,740	1	115	115
3	2	5430	2	110	110
4	4	8507	4		
5	5	3105	5		
6	6	2680	6		
7	7	2589	7		
8	8	1631	8		
9	9	1920	9		
Total		39659			

## References

1. David W. Steinhaus, Leon J. Radziemski, Jr., Robert D. Cowan, Jean Blaise, Guy Guelachvili, Züineb Ben Osman, and Jean Vergés, "Present Status of the Analyses of the First and Second Spectra of Uranium (U I and U II) as Derived from Measurements of Optical Spectra," Los Alamos Scientific Laboratory report LA-4501 (October 1971).
2. David W. Steinhaus, "High Resolution Spectroscopy-New Apparatus and Techniques for the Study of the Optical Spectrum of Uranium," Los Alamos Scientific Laboratory report LA-3182-MS (January 1965).
3. Prince E. Rouse, Jr., "An Analysis of the Aberrations of an Asymmetrical Czerny-Turner Spectrograph," Los Alamos Scientific Laboratory report LA-3201 (March 1965).
4. David W. Steinhaus, "Rapid Precision Wave Number Measurements from Fabry-Perot Interferograms," J. Opt. Soc. Am. 50, 672-675 (1960).
5. David W. Steinhaus, Kay J. Fisher, and Rolf Engleman, Jr., "Precision Computer Measurement of Spectra," Chem. Instrum. 3, 141-164 (1971); David W. Steinhaus, Rolf Engleman, Jr., and Kay J. Fisher, "Design and Operation of the Los Alamos Automatic Comparator for Measurement of Spectra," Los Alamos Scientific Laboratory report LA-4117 (May 1969).
6. David W. Steinhaus, "Photoelectric Comparator for Wavelength and Intensity Measurements of Spectra," J. Opt. Soc. Am. 49, 468-470 (1959).
7. Leon J. Radziemski, Jr., David W. Steinhaus, and Rolf Engleman, Jr., "High-Resolution Atomic-Absorption Spectra of Uranium Obtained by the Flash-Photolysis and Flash-Discharge Techniques," J. Opt. Soc. Am. 61, 1538-9 (1971).

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## APPENDIX

### MFRGING AND CORRECTING COMPUTER PROGRAM

This program takes two line lists, makes the indicated corrections to each list and merges the two lists. Then the wavenumber values are compared with the standard values for the internal standard lines, a correction formula is computed, and the corrections are made for the final single output line list.

The two input line lists can be on cards or magnetic tapes. The cards can come from an automatic comparator run. The output from this program can also go onto cards or magnetic tape. The cards or tape can then be used as future input to the program. Each line in a line list contains the line wavenumber (WN), log relative intensity (LOGI), shape code number (CODE), and count number (N).

In a single computer run this program performs the following steps:

(1) For one of the runs the WN and LOGI values are adjusted to agree (on the average) with the other run.

(2) Merging may be done when the WN difference between two lines ( $\Delta WN$ )  $\leq$  a given tolerance ( $\Delta$ DELTA).

(a) Merging is done when the CODE number difference between the two lines ( $\Delta$ CODE) = 0, or when the maximum CODE  $\leq$  2 if  $\Delta$ CODE  $\neq$  0. The WN and LOGI values for the output line are the average of the values for the two lines when N is the same for both lines. When N is not the same for both lines it is used as weighting factor for the calculation of WN and LOGI. The N number for the output line is the sum of the N values for the two

lines up to nine (a program option allows N = 1 only if desired). The CODE number for the output line is the smaller CODE of the two lines when  $\Delta WN \leq$  another given tolerance ( $\Delta$ DELTA, usually  $\leq$   $\Delta$ DELTA). When  $\Delta$ DELTA  $<$   $\Delta WN <$   $\Delta$ DELTA, the code number for the output line is set to 8 except when both input lines have CODE = 4. Then the CODE number for the output line is set to 6.

(b) No merging is done when  $\Delta$ CODE  $\neq$  0 and the maximum CODE  $>$  2. Then the output contains the WN, LOGI, CODE, and N values of the line with the smallest CODE number.

(3) When no matching line with  $\Delta WN \leq$   $\Delta$ DELTA can be found for a given line, the output line contains the WN, LOGI, CODE, and N values for this line. (A program option allows for this line to be dropped if CODE  $>$  4, and for the output CODE number to be set at 8 for the lines kept.)

(4) For the merged lines with CODE  $\neq$  8 the RMS  $\Delta WN$ , average  $\Delta WN$ , RMS  $\Delta$ LOGI, and average  $\Delta$ LOGI values are printed as a check on the success of the merging.

(5) Next, the WN values of the internal standard lines within this list are found and compared with the true internal standard wavenumber values (interferometric measurements of strong uranium lines with respect to  $^{198}\text{Hg}$  lines.<sup>1,4</sup> The proper adjustment formula is found and a WN correction is made to the final output line list.