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CHARACTERIZATION AND ANALYSIS OF DEVONIAN SHALES
AS RELATED TO RELEASE OF GASEOUS HYDROCARBONS

Quarterly Technical Progress Report, April—June 1978

By
R. S. Kalyoncu
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August 8, 1978
Date Published

Work Performed Under Contract No. EY-76-C-05-5205

Battelle Columbus Laboratories
Columbus, Ohio

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Date Published - August 8, 1978

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CHARACTERIZATION AND ANALYSIS OF DEVONIAN SHALES
AS RELATED TO RELEASE OF GASEOUS HYDROCARBONS

Quarterly Technical Progress Report
April - June 1978

EXECUTIVE SUMMARY

This Seventh Quarterly Technical Progress Report on the Characterization of Eastern Devonian Gas Shales as Related to Release of Gaseous Hydrocarbons, under the US/DOE Contract No. E(40-1)-5205 describes the characterization data and correlation analysis efforts during the period April through June 1978.

This program was initiated in September, 1976, with the objective and scope to determine the relationships between the shale characteristics, hydrocarbon gas contents, and well location, and thereby provide a sound basis for (1) assessing the productive capacity of the Eastern Devonian Gas Shale deposits and (2) guiding research, development, and demonstration projects to enhance the recovery of natural gas from the shale deposits. Included in the scope of the program are a number of elemental tasks as a part of the Resource Inventory and Shale Characterization subprojects of DOE's Eastern Gas Shales Project designed to provide large quantities of support data for current and possibly future needs of the Project.

Only one well was sampled during this reporting period. Well from Monongalia County, WV (M-1) was cored in April. 31 samples were obtained for Battelle with additional 55 samples canned for other DOE contractors.

Characterization tasks on shale samples from R-146 (Mason County, WV.) and M-1 wells (Monongalia) have been completed. Partial data on R-146 well was reported in the January-March, 1978 Quarterly Technical Progress Report. In this report, complete set of characterization data on R-146 is presented and discussed. Calculations are being completed of the laboratory data on M-1 well.

A significant step forward was taken in the data interpretation task when an Automatic Interactions Detection (AID) run, a statistical procedure commonly used to interpret survey type data, was undertaken using the laboratory characterization and some well-log data. The AID analysis clearly indicates that true meaningful correlations exist between the hydrocarbon gas contents and characterization data on the cored shale specimens. For the preliminary analysis performed

TABLE 1. IDENTIFICATION OF CORED WELLS AND SAMPLES SELECTED

API Well Code No.	Battelle Well Code No.	Location of Well	Well Operator	Date Sampled	Core Depth Interval, feet	Number of Samples
21637	C-1	Lincoln County, WV	Columbia Gas	Jan., 1976	2746-4045	82
21636	C-2	Lincoln County, WV	Columbia Gas	Jan., 1976	2655-3971	17
28982	R-109	Washington County, OH	River Gas	July 30, 1975	3494-3705	25
-	P-1	Sullivan County, IN	Energy Resources of Indiana, Inc.	Sept. 1, 1976	2495-2595	11 ^(a)
31175	O-1	Christian County, KY	Orbit Gas	Sept. 18, 1976	2183-2319	13 ^(b)
31020	C-336	Martin County, KY	Columbia Gas	Nov. 6, 1976	2434-3405	117 ^(c)
-	T-1	Effingham County, IL	Tri-Star	Feb. 13-18, 1977	3006-3106	15 ^(d)
20253	C-338	Wise County, VA	Columbia Gas	Apr. 22-30, 1977	4871-5469	40 ^(e)
-	N-1	Henderson County, IL	No. Illinois Gas	July 13-17, 1977	319- 620	31 ^(f)
-	N-2	Tazewell County, IL	No. Illinois Gas	Aug. 16-20, 1977	898-1158	23 ^(g)
-	R-146	Mason County, WV	Reel Energy Corp.	Dec. 30, 1977 - Jan. 7, 1978	2660-3407	71 ^(h)
-	M-1	Monongalia County, WV	MERC	April 18, 1978	7168-7520	31 ⁽ⁱ⁾

(a) Additional 6 samples were selected and encapsulated for other DOE contractors.

(b) Additional 4 samples were selected and encapsulated for other DOE contractors.

(c) Additional 90 samples were selected and encapsulated for other DOE contractors.

(d) Additional 16 samples were selected and encapsulated for other DOE contractors.

(e) Additional 41 samples were selected and encapsulated for other DOE contractors.

(f) Additional 26 samples were selected and encapsulated for other DOE contractors.

(g) Additional 29 samples were selected and encapsulated for other DOE contractors.

(h) Additional 90 samples were selected and encapsulated for other DOE contractors.

(i) Additional 55 samples were selected and encapsulated for other DOE contractors.

TABLE 2. WELL DATA FOR R-146

LOCATION: MASON COUNTY, WV

ALTITUDE: 665 FEET

COORDINATES: 38.55 (DEGREES.MINUTES) LATITUDE
82.04 (DEGREES.MINUTES) LONGITUDE

CORING BEGAN AT 2660 FEET AND STOPPED AT 3407 FEET. IT TOOK 14 BARRELS TO COMPLETE.

SAMPLES WERE RETURNED TO BATTELLE ON 1/ 9/78.

THERE WERE 71 SAMPLES COLLECTED FOR BATTELLE AND 90 SAMPLES COLLECTED FOR OTHERS.

RUN INFORMATION FROM WELL R-146

RUN NO. 1 CORING BEGAN AT 2660 FEET AND CORING STOPPED AT 2698 FEET. THE AVERAGE CORING RATE IS 8.42 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 0.00 HOURS.

RUN NO. 2 CORING BEGAN AT 2698 FEET AND CORING STOPPED AT 2751 FEET. THE AVERAGE CORING RATE IS 6.34 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 5.13 HOURS.

RUN NO. 3 CORING BEGAN AT 2751 FEET AND CORING STOPPED AT 2809 FEET. THE AVERAGE CORING RATE IS 6.81 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 2.88 HOURS.

RUN NO. 4 CORING BEGAN AT 2809 FEET AND CORING STOPPED AT 2867 FEET. THE AVERAGE CORING RATE IS 7.35 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 2.98 HOURS.

RUN NO. 5 CORING BEGAN AT 2867 FEET AND CORING STOPPED AT 2925 FEET. THE AVERAGE CORING RATE IS 8.53 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 2.90 HOURS.

RUN NO. 6 CORING BEGAN AT 2925 FEET AND CORING STOPPED AT 2983 FEET. THE AVERAGE CORING RATE IS 6.84 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 2.85 HOURS.

TABLE 2. (Continued)

RUN INFORMATION FROM WELL CONTINUED R-145

RUN NO. 7	CORING BEGAN AT 2983 FEET AND CORING STOPPED AT 3042 FEET. THE AVERAGE CORING RATE IS 9.57 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 2.28 HOURS.
RUN NO. 8	CORING BEGAN AT 3042 FEET AND CORING STOPPED AT 3100 FEET. THE AVERAGE CORING RATE IS 7.45 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 4.28 HOURS.
RUN NO. 9	CORING BEGAN AT 3100 FEET AND CORING STOPPED AT 3159 FEET. THE AVERAGE CORING RATE IS 7.16 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 2.38 HOURS.
RUN NO. 10	CORING BEGAN AT 3159 FEET AND CORING STOPPED AT 3218 FEET. THE AVERAGE CORING RATE IS 6.66 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 2.53 HOURS.
RUN NO. 11	CORING BEGAN AT 3218 FEET AND CORING STOPPED AT 3250 FEET. THE AVERAGE CORING RATE IS 7.00 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 2.92 HOURS.
RUN NO. 12	CORING BEGAN AT 3250 FEET AND CORING STOPPED AT 3309 FEET. THE AVERAGE CORING RATE IS 7.44 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 2.92 HOURS.
RUN NO. 13	CORING BEGAN AT 3309 FEET AND CORING STOPPED AT 3367 FEET. THE AVERAGE CORING RATE IS 7.09 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 2.47 HOURS.
RUN NO. 14	CORING BEGAN AT 3367 FEET AND CORING STOPPED AT 3407 FEET. THE AVERAGE CORING RATE IS 16.35 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 5.98 HOURS.

TABLE 3. WELL DATA FOR M-1

LOCATION: MONONGALIA COUNTY, WV	
ALTITUDE: 960 FEET	
COORDINATES: 79.59 (DEGREES, MINUTES) LATITUDE	
39.40 (DEGREES, MINUTES) LONGITUDE	
CORING BEGAN AT 7168 FEET AND STOPPED AT 7520 FEET. IT TOOK 9 BARRELS TO COMPLETE.	
SAMPLES WERE RETURNED TO BATTELLE ON 4/18/78.	
THERE WERE 31 SAMPLES COLLECTED FOR BATTELLE AND 55 SAMPLES COLLECTED FOR OTHERS.	
RUN INFORMATION FROM WELL M-1	
RUN NO. 1	CORING BEGAN AT 7168 FEET AND CORING STOPPED AT 7174 FEET. THE AVERAGE CORING RATE IS 21.00 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 4.58 HOURS.
RUN NO. 2	CORING BEGAN AT 7174 FEET AND CORING STOPPED AT 7232 FEET. THE AVERAGE CORING RATE IS 11.52 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 5.62 HOURS.
RUN NO. 3	CORING BEGAN AT 7232 FEET AND CORING STOPPED AT 7290 FEET. THE AVERAGE CORING RATE IS 8.45 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 5.30 HOURS.
RUN NO. 4	CORING BEGAN AT 7290 FEET AND CORING STOPPED AT 7348 FEET. THE AVERAGE CORING RATE IS 7.41 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 5.17 HOURS.
RUN NO. 5	CORING BEGAN AT 7348 FEET AND CORING STOPPED AT 7386 FEET. THE AVERAGE CORING RATE IS 7.45 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 4.53 HOURS.
RUN NO. 6	CORING BEGAN AT 7386 FEET AND CORING STOPPED AT 7444 FEET. THE AVERAGE CORING RATE IS 8.24 FEET PER MINUTE. THE SAMPLES WERE ON SURFACE IN 4.20 HOURS.

TABLE 3. (Continued)

~~RUN INFORMATION FROM WELLS CONTINUED M-1~~

RUN NO. 7 CORING BEGAN AT 7444 FEET AND CORING STOPPED AT 7502 FEET. THE
~~AVERAGE CORING RATE IS 9.95 FEET PER MINUTE. THE SAMPLES WERE~~
 ON SURFACE IN 4.33 HOURS.

RUN NO. 8 CORING BEGAN AT 7502 FEET AND CORING STOPPED AT 7514 FEET. THE
~~AVERAGE CORING RATE IS 25.17 FEET PER MINUTE. THE SAMPLES WERE~~
 ON SURFACE IN 4.75 HOURS.

RUN NO. 9 CORING BEGAN AT 7514 FEET AND CORING STOPPED AT 7520 FEET. THE
~~AVERAGE CORING RATE IS 70.00 FEET PER MINUTE. THE SAMPLES WERE~~
 ON SURFACE IN 5.33 HOURS.

meaningful correlations have been observed between the hydrocarbon gas contents and can pressure, propane content, well location, oxygen content CO_2 content, bulk density and carbon contents.

Higher pressures are attributed to higher hydrocarbon gas contents. For high gas pressures propane content is an important indication of hydrocarbon gas content. At low gas pressure butane contents more accurately predict the hydrocarbon gas contents. High CO_2 and carbon contents indicate high hydrocarbon gas values, whereas oxygen contents are inversely related to hydrocarbon gas contents.

Analysis of the limited wire-line log data shows that correlations between the laboratory and well log data can be utilized to predict potential hydrocarbon gas contents of the wells.

Although preliminary in nature, the initial AID analysis has revealed certain significant correlations between the potential gas contents and the shale characterization data with emphasis on the degree of importance of certain characterization variables. Because of these preliminary encouraging results, further examination of the characterization data employing the AID program is warranted and will be continued in future investigations.

INTRODUCTION

The Sixth Quarterly Technical Progress Report summarized the work on C-336 (Martin County, KY) N-1 (Henderson County, IL), N-2 (Tazewell County, IL) and partially R-146 wells (Mason County, WV).

This Seventh Quarterly Technical Progress Report covering the period April-June 1978 summarizes the additional characterization data obtained on R-146 well and the data correlation analysis made using a computer program known as Automatic Interaction Detection (AID) technique.

The indication from the initial results of the AID run is that meaningful correlations exist between the potential gas contents of a well and the characterization data on the cored shale samples.

Detailed description of the characterization data and data correlation analysis follow.

OBJECTIVE AND SCOPE

The objective of this program is to determine the relationships between shale characteristics, hydrocarbon gas content, and well location to provide a sound basis for defining the productive capacity of the Eastern Devonian Shale deposits and for guiding research, development, and demonstration projects to enhance the recovery of natural gas from the shale deposits. The program includes a number of elemental tasks as a part of the Resource Inventory and Shale Characterization subprojects of DOE's Eastern Gas Shales Project and is designed to provide a wide variety of support data for that project.

Approximately 1000 core samples of gas bearing Eastern Devonian Shale will have been examined by the end of the program. After the characterization data for individual wells have been compiled, a regression-type analysis for pattern recognition will be performed to establish the interrelationships between the shale characteristics, the hydrocarbon gas content, and well locations from which the samples were obtained.

The work for the duration of this program covers the following tasks:

<u>Task</u>	<u>Descriptive Title</u>
1	Core Sampling
2	Gas Content and Gas Release Kinetics
3	Chemical Characterization of Shale
4	Physical Characterization of Shale
5	Lithology of Shale
6	Data Interpretation and Correlation

Brief descriptions of the above tasks are given below.

Task 1. Core Sampling

In cooperation with representatives of DOE and of the cognizant State Geological Survey of the U.S. Geological Survey, (1) participate in the selection of core samples for characterization in the Battelle program, and (2) encapsulate the selected samples in special sealed containers to preserve their approximate "down-hole" condition and gather relevant information from on-site observations and well-log data for subsequent interpretation and correlation with

characterization results on the selected samples.

Task 2. Gas Content and Gas Release Kinetics

Determine the composition and quantity of hydrocarbon gas evolved from surroundings of the shale samples in the sealed containers. Determine the gas release kinetics employing a continuous flow system that uses a flame ionization detector for monitoring the hydrocarbons. In this approach a suitable shale fragment is placed in a sealed container fitted with inlet and outlet tubings. Pure nitrogen is passed through the container to transport the hydrocarbons to the detector. The flow rate of the carrier gas is high enough to insure against equilibrium effects on the kinetics of hydrocarbon release.

Task 3. Chemical Characterization of Shale

Determine total carbon, hydrogen, and nitrogen contents and, where appropriate, total carbonate content for all samples. Also determine total sulfur content of the shales.

Task 4. Physical Characterization of Shale

Characterize the microstructure of the samples in terms of density, porosity, pore size distribution, total surface area, and gas permeabilities.

Task 5. Lithology of Shale

Examine briefly shale specimens from each well sampled. Initially, this task included determination of the mineralogical composition of the shales by X-ray diffraction and a definition of the morphology of the minerals and their relationship to organic matter by thin-section petrography; however, it has been mutually agreed to discontinue this portion of the effort.

Task 6. Data Interpretation and Correlation

Compile the data from the field observations, well logs, and laboratory characterizations and observations into a data package for each well for input to the USGS data bank, and for transmission to the DOE technical project officer. Determine, using pattern recognition, statistical analysis techniques and conventional data interpretation methods, the interrelationships and trends between the hydrocarbon gas content at various levels, the well head observation, and the lithological, chemical, and physical characteristics of the shale for individual wells and as a function of location.

EXPERIMENTAL

ANALYSIS AND DISCUSSION OF THE CHARACTERIZATION DATA

The characterization data on 71 samples from the R-146 (Mason County, WV) and M-1 wells (Monongalia County, WV) were obtained. These data include "free" gas contents, C-H-N, sulfur content, bulk and true densities, surface area, porosity, permeability and SEM analyses.

1. Well Coring

One well (M-1) was sampled (April, 1978) in Monongalia County, WV during this report period. Coring was begun at 7168 ft. and stopped at 7520 ft. A total of 9 barrels of core samples were obtained. Battelle received 31 specimens. An additional 55 samples were canned and delivered to other DOE contractors. Field sampling data (on surface time and color) are presented in Tables 3 and 4 for R-146 and M-1 respectively.

2. Free Gas Contents and Gas Release Kinetics

Initial gas release data on the two wells are summarized in Tables 6 and 7. These data include total hydrocarbon gases, nitrogen, oxygen and carbon dioxide, all

FIGURE 1. ON-SURFACE TIME FOR SAMPLES FROM WELL R-146

TABLE 4. FIELD SAMPLING DATA FOR WELL R146

SAMPLE ID.	COLOR	ON SURFACE TIME	BARREL NO	SEQ NO.
R146-2700.	N5	2.38	2	1
R146-2710.	N5	2.42	2	2
R146-2720.	5YR2/2	2.47	2	3
R146-2730.	5YR2/2	2.87	2	4
R146-2740.	5YR2/2	2.90	2	5
R146-2750.	5YR2/2	2.93	2	6
R146-2753.	N5YR22	1.17	3	7
R146-2763.	5YR2/2	1.43	3	8
R146-2773.	N5YR22	1.58	3	9
R146-2783.	N5YR41	1.73	3	10
R146-2793.	N5YR22	1.90	3	11
R146-2803.	N5YR22	2.03	3	12
R146-2811.	5YR2/1	1.75	4	13
R146-2821.	5YR2/1	2.08	4	14
R146-2841.	5Y2/1	2.43	4	15
R146-2851.	5G2/1	2.58	4	16
R146-2861.	5G2/1	2.77	4	17
R146-2869.	N3	1.17	5	18
R146-2879.	N3	1.47	5	19
R146-2889.	N3	1.63	5	20
R146-2899.	N35YR2	1.87	5	21
R146-2909.	5YR2/1	2.08	5	22
R146-2919.	N35YR2	2.25	5	23
R146-2927.	N3	1.02	6	24
R146-2937.	N35YR2	1.28	6	25
R146-2947.	5YR2/1	1.42	6	26
R146-2957.	5YR2/1	1.54	6	27
R146-2967.	5YR2/1	1.65	6	28
R146-2977.	5YR2/1	1.77	6	29
R146-2985.	N35YR2	1.05	7	30
R146-2995.	N1	1.25	7	31
R146-3005.	N1N3	1.42	7	32
R146-3015.	N2	1.53	7	33
R146-3025.	N2	1.72	7	34
R146-3035.	N2	1.97	7	35
R146-3044.	N4	1.73	8	36
R146-3054.	N4	1.88	8	37
R146-3064.	N4	2.00	8	38
R146-3074.	N2	2.15	8	39
R146-3084.	N2	2.37	8	40
R146-3094.	N2	2.50	8	41
R146-3102.	N3	1.05	9	42
R146-3112.	N3	1.22	9	43
R146-3122.	N3	1.40	9	44

TABLE 4. (Continued)
FIELD SAMPLING DATA FOR WELL R146

SAMPLE ID.	COLOR	ON SURFACE TIME	BARREL NO	SEQ NO.
R146-3132.	N3	1.65	9	45
R146-3144.	N3	1.90	9	46
R146-3152.	N3	2.25	9	47
R146-3161.	N3	1.28	10	48
R146-3171.	N3	1.40	10	49
R146-3181.	N3	1.60	10	50
R146-3191.	N3	1.75	10	51
R146-3201.	N3	1.87	10	52
R146-3211.	N3	2.02	10	53
R146-3220.	N4	.92	11	54
R146-3230.	N3	1.04	11	55
R146-3240.	N3	1.22	11	56
R146-3253.	N3	1.73	12	57
R146-3262.		2.02	12	58
R146-3272.	N3	2.15	12	59
R146-3282.	N3	2.28	12	60
R146-3292.	N3	2.43	12	61
R146-3302.	N3	2.62	12	62
R146-3311.	N3	2.05	13	63
R146-3321.	5YR2/1	2.11	13	64
R146-3331.	N3	2.11	13	65
R146-3341.	5YR2/1	2.67	13	66
R146-3351.	5YR2/1	2.87	13	67
R146-3361.	5YR2/1	3.04	13	68
R146-3369.	5YR2/1	.70	14	69
R146-3380.	5YR2/1	.82	14	70
R146-3389.	5YR2/1	1.11	15	71

MEAN EXPOSURE TIME 1.85

STANDARD DEVIATION OF EXPOSURE TIME .57

TABLE 5. FIELD SAMPLING DATA FOR WELL M 1

SAMPLE ID.	COLOR	OR	SURFACE TIME	BARREL NO	SEQ NO.
M 1-7192.	N3		1.17	2	1
M 1-7202.	N3		1.25	2	2
M 1-7212.	N2		1.45	2	3
M 1-7222.	N2		1.68	2	4
M 1-7234.	N2		1.32	3	5
M 1-7244.	N2		1.43	3	6
M 1-7254.	N2		1.58	3	7
M 1-7264.	N2		1.70	3	8
M 1-7274.	N2		1.83	3	9
M 1-7284.	N2		1.90	3	10
M 1-7303.	5YR2/1		1.40	4	11
M 1-7313.	5YR2/1		1.48	4	12
M 1-7323.	5YR2/1		1.57	4	13
M 1-7330.	5YR2/1		1.72	4	14
M 1-7333.	5YR2/1		1.80	4	15
M 1-7343.	5YR2/1		2.05	4	16
M 1-7350.	N2		2.17	5	17
M 1-7361.	N2		2.30	5	18
M 1-7371.	N2		2.50	5	19
M 1-7388.	N2		.95	6	20
M 1-7398.	N2		1.08	6	21
M 1-7409.	N2		1.20	6	22
M 1-7419.	N2		1.30	6	23
M 1-7428.	N2		1.43	6	24
M 1-7443.	N2		1.53	6	25
M 1-7448.	5YR2/1		1.10	7	26
M 1-7456.	5YR2/1		1.18	7	27
M 1-7465.	5YR2/1		1.27	7	28
M 1-7476.	5YR2/1		1.35	7	29
M 1-7486.	N2		1.68	7	30
M 1-7496.	N2		1.92	7	31
MEAN EXPOSURE TIME			1.56		
STANDARD DEVIATION OF EXPOSURE TIME			.37		

TABLE 6. INITIAL GAS RELEASE DATA: WELL R146

SAMPLE ID	PRESSURE TURK	FREE VOLUME CC	CORE VOLUME CC	OPEN POROSITY PCI.	GAS COMPOSITION, VOLUME PERCENT								GAS RELEASED/ UNIT VOLUME OF SHALE			SEQ NO.
					METHANE	ETHANE	PROPANE	BUTANE	PENTANE	HYDROC.	NITROGEN	OXYGEN	DIOXIDE			
R146-2700.	820.	DATA ARE INCOMPLETE			8.06	1.48	.48	.17	.06	10.25	71.54	18.19	.03	INCOMPLETE	1	
R146-2710.	800.	DATA ARE INCOMPLETE			4.56	.73	.43	.07	.01	5.82	73.98	20.24	.02	INCOMPLETE	2	
R146-2720.	850.	DATA ARE INCOMPLETE			10.63	1.49	.75	.18	.05	13.10	69.27	17.23	.40	INCOMPLETE	3	
R146-2730.	790.	DATA ARE INCOMPLETE			3.82	.39	.19	.06	.03	4.49	75.00	20.48	.03	INCOMPLETE	4	
R146-2740.	730.	DATA ARE INCOMPLETE			10.78	.95	.95	.21	.06	12.95	70.21	16.28	.56	INCOMPLETE	5	
R146-2750.	820.	DATA ARE INCOMPLETE			7.34	.96	.39	.14	.05	8.88	72.74	18.22	.16	INCOMPLETE	6	
R146-2753.	780.	DATA ARE INCOMPLETE			5.92	.62	.30	.09	.03	6.96	73.51	19.52	.01	INCOMPLETE	7	
R146-2773.	800.	DATA ARE INCOMPLETE			5.91	.72	.42	.17	.07	7.29	73.29	19.41	.02	INCOMPLETE	9	
R146-2783.	760.	DATA ARE INCOMPLETE			3.63	.49	.24	.09	.03	4.48	76.18	19.32	.02	INCOMPLETE	10	
R146-2793.	860.	DATA ARE INCOMPLETE			4.61	.52	.35	.11	.05	5.64	74.16	20.20	.01	INCOMPLETE	11	
R146-2803.	850.	DATA ARE INCOMPLETE			8.49	.60	.81	.26	.04	10.40	70.90	18.40	.30	INCOMPLETE	12	
R146-2811.	975.	DATA ARE INCOMPLETE			22.26	2.13	1.19	.32	0.00	25.90	61.58	12.08	.46	INCOMPLETE	13	
R146-2821.	1060.	DATA ARE INCOMPLETE			19.42	5.07	3.07	1.63	.82	30.81	57.64	11.16	.39	INCOMPLETE	14	
R146-2841.	920.	DATA ARE INCOMPLETE			16.84	2.24	.93	.31	0.00	20.32	64.70	14.76	.23	INCOMPLETE	15	
R146-2851.	800.	DATA ARE INCOMPLETE			5.49	.34	.71	.10	0.00	6.64	73.90	19.46	.01	INCOMPLETE	16	
R146-2861.	750.	DATA ARE INCOMPLETE			6.34	.65	.68	.26	.04	10.20	71.69	18.09	.02	INCOMPLETE	17	
R146-2879.	750.	DATA ARE INCOMPLETE			2.45	.12	.39	.05	0.00	3.01	75.83	21.14	.02	INCOMPLETE	19	
R146-2889.	900.	DATA ARE INCOMPLETE			11.48	1.04	.98	.29	.04	13.83	69.42	16.70	.05	INCOMPLETE	20	
R146-2899.	900.	DATA ARE INCOMPLETE			12.29	1.18	1.08	.33	0.00	14.88	67.92	17.16	.04	INCOMPLETE	21	
R146-2909.	950.	DATA ARE INCOMPLETE			14.87	1.48	.81	.21	0.00	17.37	65.98	16.56	.10	INCOMPLETE	22	
R146-2919.	950.	631.	769.	9.69	15.70	1.77	1.07	.33	.04	18.91	68.26	14.70	.17	.21	23	
R146-2927.	725.	561.	869.	.69	25.00	3.20	2.00	.58	.16	30.94	58.60	10.30	.19	.20	24	
R146-2937.	1000.	442.	1008.	2.90	22.60	2.36	1.36	.47	.10	27.09	61.70	11.20	.13	.16	25	
R146-2947.	1100.	568.	662.	3.78	29.10	3.30	1.00	.44	.09	36.73	54.20	8.54	.58	.34	26	
R146-2957.	1150.	518.	934.	0.00	30.60	3.93	2.39	.70	.15	37.77	53.80	7.20	1.17	.32	27	
R146-2977.	1050.	662.	768.	6.65	27.60	3.69	2.25	.61	.13	34.28	55.70	9.30	.74	.40	29	
R146-2985.	900.	628.	626.	3.97	13.10	1.47	.95	.29	.09	15.90	68.60	15.60	.04	.14	30	
R146-2995.	1025.	649.	601.	0.00	25.60	3.02	1.39	.31	.55	31.07	57.70	10.90	.42	.34	31	
R146-3005.	1100.	491.	959.	4.22	28.30	3.31	2.18	.65	.15	34.59	56.00	8.74	.65	.26	32	
R146-3015.	950.	607.	845.	0.00	14.60	1.61	1.10	.27	0.00	17.58	67.40	14.70	.39	.16	33	
R146-3025.	1010.	536.	612.	.76	22.80	2.47	1.19	.28	.07	26.81	59.10	13.90	.29	.28	34	
R146-3035.	925.	694.	950.	0.00	20.80	2.22	1.24	.33	.08	24.67	62.90	12.40	.03	.16	35	
R146-3044.	800.	555.	695.	1.67	2.55	.27	.16	.05	0.00	3.06	78.20	18.50	.24	.02	36	
R146-3054.	800.	701.	749.	.25	4.13	.52	.24	.08	0.00	4.97	77.40	16.90	.74	.05	37	
R146-3064.	725.	609.	841.	12.45	.15	0.00	0.00	0.00	0.00	.15	78.50	21.40	.13	.00	38	
R146-3064.	725.	600.	780.	11.27	11.10	1.17	.62	.19	.04	13.32	70.10	16.00	.59	.12	40	
R146-3094.	775.	776.	672.	4.43	3.57	.33	.18	.04	0.00	4.12	77.80	17.40	.72	.05	41	
R146-3102.	760.	773.	677.	4.29	1.79	.26	0.00	0.00	0.00	2.05	79.30	18.50	.06	.02	42	
R146-3112.	725.	636.	902.	6.78	3.61	.94	.66	.14	0.00	6.57	77.10	13.00	1.94	.03	43	
R146-3122.	1050.	515.	937.	6.48	31.00	3.73	2.17	.49	.11	37.50	58.30	2.63	1.61	.29	44	
R146-3132.	750.	632.	618.	6.63	2.03	.39	.26	.04	0.00	3.52	78.20	18.30	0.00	.05	45	
R146-3142.	1690.	761.	607.	11.13	42.11	6.61	4.36	1.35	.36	57.19	40.30	.49	2.04	1.49	47	
R146-3161.	790.	630.	690.	11.56	2.32	.23	.21	.03	0.00	2.79	78.10	19.00	.12	.02	48	
R146-3181.	760.	650.	690.	5.73	4.78	.67	.42	.13	.02	6.02	64.80	3.19	5.98	.05	50	
R146-3191.	920.	703.	707.	5.16	19.50	2.11	1.02	.22	.03	22.86	69.30	3.22	4.60	.26	51	

11c

TABLE 6. (Continued)
INITIAL GAS RELEASE DATA: WELL R146

SAMPLE ID	PRESSURE PSI	FREE	CORE	OPEN	GAS COMPOSITION, VOLUME PERCENT							GAS RELEASED			
		VOLUME CC	VOLUME CC	PERCENT	METHANE	ETHANE	PROPANE	BUTANE	PENTANE	TOTAL HYDROC.	NITROGEN	OXYGEN	DIOXIDE OF SHALE	UNIT VOLUME	SEQ NO.
R146-3201.	760.	593.	637.	.65	2.68	.25	.12	.02	0.00	3.07	78.80	18.04	.08	.02	52
R146-3211.	750.	626.	674.	.594	1.92	.18	.29	.01	0.00	2.40	77.70	19.90	.04	.02	53
R146-3220.	750.	590.	650.	.69	6.52	1.07	1.06	.41	.12	9.18	85.75	3.83	1.27	.06	54
R146-3230.	750.	762.	666.	1.56	2.77	.51	.25	.09	0.00	3.62	84.70	12.10	.16	.04	55
R146-3240.	750.	645.	805.	.74	9.80	1.98	1.06	.46	.14	13.44	78.70	6.68	1.81	.11	56
R146-3253.	820.	618.	632.	2.23	12.32	2.32	2.44	.82	.27	18.17	76.83	3.37	1.62	.15	57
R146-3262.	880.	530.	920.	.38	15.90	1.86	1.89	.55	.14	20.34	70.20	9.39	.06	.14	58
R146-3272.	980.	812.	638.	.49	18.90	3.50	2.12	.56	.14	25.22	63.70	10.60	.58	.41	59
R146-3282.	1010.	749.	701.	0.00	22.30	4.61	3.34	.95	.34	31.74	62.20	5.18	.92	.45	60
R146-3292.	900.	723.	727.	0.00	14.50	2.73	1.98	.59	.24	20.09	68.10	11.60	.23	.24	61
R146-3311.	1460.	765.	665.	2.33	22.70	7.70	4.55	1.23	.30	36.48	40.90	2.17	.48	1.21	63
R146-3321.	1600.	810.	640.	0.00	42.34	6.93	3.76	.95	.30	54.33	42.04	2.41	1.23	1.45	64
R146-3331.	2025.	664.	736.	8.40	31.20	9.17	4.60	1.21	.42	66.60	31.30	1.00	.59	1.50	65
R146-3351.	1330.	768.	642.	3.37	35.40	5.60	2.94	.86	.07	44.87	46.50	6.24	.36	.88	67
R146-3361.	1125.	750.	710.	2.05	26.70	3.55	2.07	.62	.31	33.26	55.50	10.50	.73	.53	68
R146-3369.	1325.	726.	724.	.64	38.00	3.75	2.95	.77	.20	47.68	46.40	4.85	1.10	.83	69
R146-3380.	1400.	616.	634.	0.00	39.70	7.44	3.48	1.22	.32	54.16	44.20	.57	1.06	.74	70

TABLE 7.
MERC-1 WELL GAS ANALYSIS DATA

Seq. No.	Vol. % Sample No.	N ₂	Nitrogen O ₂	Oxygen CO ₂	Carbon dioxide C ₁	Methane C ₂	Ethane C ₃	Propane
1	M-1-7192	72.1	1.73	0.83	24.1	1.22	-	
2	M-1-7202	64.1	4.03	0.33	30.3	1.16	-	
3	M-1-7212	60.7	4.34	0.46	33.2	1.36	-	
4	M-1-7222	75.4	0.103	0.22	20.5	2.52	2.9	
5	M-1-7234	74.0	9.04	0.96	14.6	1.44	-	
6	M-1-7244	66.2	0.91	-	30.2	2.76	-	
7	M-1-7254	63.8	0.84	0.31	33.0	2.07	-	
8	M-1-7264	67.0	1.01	0.75	29.6	1.62	-	
9	M-1-7274	74.4	1.01	0.26	22.3	2.04	-	
10	M-1-7284	85.0	1.15	0.27	11.3	2.00	2.7	
11	M-1-7303	71.8	5.33	1.10	20.6	1.15	-	
12	M-1-7313	75.9	5.12	1.49	16.3	1.19	-	
13	M-1-7323	73.4	1.76	1.54	21.5	1.74	-	
14 } 15 }	Kinetics Samples							
16	M-1-7343	83.8	9.60	1.00	4.34	1.28	-	
17	M-1-7350	70.6	3.09	0.34	23.10	2.60	.30	
18	M-1-7361	87.8	1.19	0.80	7.51	2.74	-	
19	M-1-7371	65.8	0.83	0.26	29.60	3.28	.21	
20	M-1-7388	67.9	0.91	0.34	26.10	4.37	.33	
21	M-1-7398	61.3	0.83	0.62	33.90	3.09	.37	
22	M-1-7409	42.5	0.57	0.04	53.20	3.35	.27	
23	M-1-7419	61.0	2.05	0.82	33.70	1.95	.58	
24	M-1-7428	56.4	0.76	0.11	39.30	3.02	.31	
25	M-1-7437	81.2	1.07	0.04	13.43	4.11	.26	
26	M-1-7446	63.3	0.86	0.23	30.30	5.26	.05	
27	M-1-7456	69.90	1.51	0.11	23.60	4.97	0.004	
28	M-1-7465	79.18	6.68	-	10.96	3.19	-	
29	M-1-7476	59.40	1.81	0.12	35.90	3.35	0.46	
30	M-1-7486	61.20	1.81	0.03	35.30	2.26	0.40	
31	M-1-7496	65.60	0.90	0.10	29.80	3.47	0.14	

of which accumulate in the free space surrounding the shale samples inside the canisters. The hydrocarbon gas contents in well R-146 seem considerably higher than well M-1 as analyzed by quantitative gas chromatography. Plot of hydrocarbon gas contents as a function of depth for R-146 well is given in Figure 2. No clear cut trend is observed in the hydrocarbon gas contents with sample depth. Separated to two bands, Figure 2 shows that the total hydrocarbon gas content generally increases with depth; though this observation is not readily noticeable without breaking the data into two separate groups.

During this report period, three determinations were made for diffusion coefficients of gas in shale. The first sample was No. M-1-7330. The diffusion coefficient for this sample at 25 C was $3.1 \times 10^{-6} \text{ cm}^2/\text{sec}$. Inasmuch as this diffusion coefficient is somewhat higher than those previously reported, the experiment was repeated with shale sample No. M-1-7336. For this sample at 25 C, the diffusion coefficient was $3.4 \times 10^{-6} \text{ cm}^2/\text{sec}$. A second sample of shale No. M-1-7336 was examined at 75 C, with the diffusion coefficient being $8.7 \times 10^{-6} \text{ cm}^2/\text{sec}$. These values suggest an apparent activation energy of 3.9 kcal/mole for the diffusion process with this shale sample. Figure 27 shows the release kinetics data at 25 and 75C.

3. Chemical Characterization

Total C-H-N and sulfur analyses have been performed on all 71 samples from R-146 well. The results are tabulated in Table 9. The sulfur contents vary over a wide range from zero to 7.3 percent, while the carbon and hydrogen values range from 0.2 to 6.2 and 0.4 to 0.9 percent respectively.

Plots of carbon and hydrogen versus depth do not reveal any significant trends though an apparent increase in carbon contents with depth may be evident for small ranges of depth. Hydrogen to carbon atomic ratios range from 5.0 to 20.0 with no apparent relationship to sample depth. Carbon contents give a good indication of hydrocarbon gas levels as a direct proportionality seems to exist between the two parameters as evident from Figure 6. Similar trend is not as obvious for hydrogen-hydrocarbon gas relationship shown in Figure 7.

4. Physical Characterization

The measured physical properties (bulk and true densities, surface area and porosity) are summarized in Table 10. The bulk density values range between

FIGURE 3. CARBON CONTENTS AS A FUNCTION OF DEPTH FOR WELL R-146

FIGURE 4. HYDROGEN CONTENTS AS A FUNCTION OF DEPTH FOR WELL R-146

FIGURE 5. H/C ATOMIC RATIOS AS A FUNCTION OF DEPTH FOR WELL R-146

TABLE 8. STATISTICAL ANALYSES OF OFF-GAS DATA

WELL R146							
	MEAN	STANDARD DEVIATION	VARIANCE	COEFFICIENT OF DEVIATION	95 PCT. CONFIDENCE INTERVAL		NO OF SAMPLES
					LOWER LIMIT	UPPER LIMIT	
METHANE, PERCENT	15.763	12.70	161.24	.81	12.546	18.981	62
ETHANE, PERCENT	2.301	2.27	5.16	.99	1.726	2.876	62
PROPANE, PERCENT	1.405	1.30	1.69	.93	1.075	1.734	62
BUTANE, PERCENT	.394	.38	.14	.96	.298	.489	62
PENTANE, PERCENT	.111	.15	.02	1.39	.072	.149	62
TOTAL HYDROCARBONS, PCT	19.973	16.49	271.81	.83	15.796	24.151	62
NITROGEN, PERCENT	66.639	12.04	144.95	.18	63.589	69.690	62
OXYGEN, PERCENT	12.759	6.25	39.04	.49	11.176	14.342	62
CARBON DIOXIDE, PERCENT	.626	1.01	1.03	1.62	.369	.883	62
GAS VOLUME/SHALE VOLUME	.348	.49	.24	1.40	0.000	.498	41

*1 IS INSIGNIFICANT

TABLE 9. CHEMICAL CHARACTERIZATION DATA, 4/78

SAMPLE ID	CARBON	TOTAL, PERCENT		SULFUR	LOW TEMPERATURE ASH, %		CARD CODE	SEQ NO.
		HYDROGEN	NITROGEN		200 C	100 C		
R146-2700.	.4	.3	.1	1.8			S	1
R146-2710.	1.5	.3	.1	1.4			S	2
R146-2720.	5.0	.3	.2	3.9			S	3
R146-2730.	1.5	.3	.1	1.8			S	4
R146-2740.	5.2	.3	.1	3.1			S	5
R146-2750.	4.6	.3	.1	2.8			S	6
R146-2753.	.3	.5	.1	.3			S	7
R146-2773.	1.8	.6	.4	7.3			S	9
R146-2783.	.8	.6	.1	.4			S	10
R146-2793.	1.7	.5	.1	.6			S	11
R146-2803.	3.8	.8	.1	2.9			S	12
R146-2811.	4.3	.8	.1	2.6			S	13
R146-2821.	.8	.4	.1	.9			S	14
R146-2841.	4.4	.8	.1	1.5			S	15
R146-2851.	.5	.4	.2	1.0			S	16
R146-2861.	2.3	.5	0.0	.2			S	17
R146-2879.	1.1	.4	.1	0.0			S	19
R146-2889.	.3	.5	.1	2.1			S	20
R146-2899.	.5	.5	.1	.7			S	21
R146-2909.	3.9	.7	.1	1.6			S	22
R146-2919.	.8	.5	.1	3.2			S	23
R146-2927.	4.9	.8	.1	3.7			S	24
R146-2937.	2.2	.6	.1	2.2			S	25
R146-2947.	5.2	.4	.2	2.1			S	26
R146-2957.	6.2	.9	.2	3.1			S	27
R146-2977.	5.9	.9	.1	3.1			S	29
R146-2985.	.4	.5	.1	1.1			S	30
R146-2995.	3.9	.8	.1	2.6			S	31
R146-3005.	1.1	.5	.1	1.3			S	32
R146-3015.	2.6	.6	.1	1.7			S	33
R146-3025.	6.0	.4	.2	1.9			S	34
R146-3035.	1.3	.4	.1	.6			S	35
R146-3044.	.8	.4	.1	.1			S	36
R146-3054.	.3	.4	0.0	.9			S	37
R146-3064.	.3	.5	0.0	.5			S	38
R146-3084.	.8	.5	0.0	.1			S	40
R146-3094.	.4	.5	0.0	.4			S	41
R146-3102.	.6	.5	0.0	0.0			S	42
R146-3112.	.6	.5	0.0	.1			S	43
R146-3122.	.3	.5	0.0	.1			S	44
R146-3132.	.2	.4	0.0	.7			S	45
R146-3152.	2.4	.7	0.0	2.2			S	47
R146-3161.	.5	.4	0.0	0.0			S	48
R146-3181.	.2	.5	0.0	0.0			S	50
R146-3191.	.7	.5	0.0	1.7			S	51
R146-3201.	.2	.4	0.0	.1			S	52

TABLE 9. (Continued)
CHEMICAL CHARACTERIZATION DATA. 4/78

SAMPLE ID	CARBON	TOTAL, PERCENT		SULFUR	LOW TEMPERATURE ASH, %		CARD CODE	SEQ NO.
		HYDROGEN	NITROGEN		200 C	100 C		
R146-3211.	.5	.4	0.0	0.0			5	53
R146-3220.	.3	.4	0.0	.2			5	54
R146-3230.	.6	.5	0.0	.1			5	55
R146-3240.	.5	.4	0.0	1.3			5	56

FIGURE 6. HYDROCARBON GAS CONTENTS AS A FUNCTION OF CARBON CONTENT FOR WELL R-146

FIGURE 7. HYDROCARBON GAS CONTENTS AS A FUNCTION OF HYDROGEN CONTENT FOR WELL F

TABLE 10. SUMMARY OF PHYSICAL CHARACTERIZATION DATA

SAMPLE ID.	BULK DENSITY, G/CC	TRUE DENSITY, G/CC	TOTAL POROSITY, PCI	SURFACE AREA, M ² /G	SEQ NO.
K146-2919.	2.661	2.946	9.686	1.170	23
K146-2927.	2.664	2.693	.893	1.020	24
K146-2937.	2.732	2.813	2.696	4.880	25
K146-2947.	2.542	2.698	5.782	1.720	26
K146-2957.	2.528	2.384	0.000	1.020	27
K146-2977.	2.358	2.587	8.047	.910	29
K146-2985.	2.753	2.867	3.968	1.130	30
K146-2995.	2.576	2.537	0.000	.680	31
K146-3005.	2.622	2.738	4.224	1.000	32
K146-3015.	2.716	2.630	0.000	.960	33
K146-3025.	2.432	2.451	.163	.620	34
K146-3035.	2.655	2.617	0.000	.360	35
K146-3044.	2.664	2.720	1.674	1.110	36
K146-3054.	2.659	2.666	.280	2.580	37
K146-3064.	2.675	3.055	12.450	2.570	38
K146-3074.	2.636	2.973	11.272		40
K146-3094.	2.683	2.807	4.434	6.180	41
K146-3102.	2.658	2.777	4.292	5.590	42
K146-3112.	2.695	2.830	4.784		43
K146-3122.	2.570	2.748	6.478	3.020	44
K146-3132.	2.604	2.802	6.882	4.600	45
K146-3152.	2.551	2.870	11.125	4.050	47
K146-3161.	2.358	2.606	11.555	1.990	48
K146-3181.	2.634	2.794	5.728	3.580	50
K146-3191.	2.685	2.831	5.159	4.690	51
K146-3201.	2.637	2.659	.626	5.690	52
K146-3211.	2.712	2.823	3.936	6.310	53
K146-3220.	2.684	2.708	.691	4.160	54
K146-3230.	2.652	2.694	1.560	6.460	55
K146-3240.	2.691	2.711	.736	5.230	56
K146-3253.	2.651	2.711	2.225	5.810	57
K146-3262.	2.677	2.667	.383	2.480	58
K146-3272.	2.695	2.708	.486	1.120	59
K146-3282.	2.656	2.566	0.000	3.270	60
K146-3292.	2.605	2.601	0.000	3.370	61
K146-3311.	2.560	2.648	3.527	3.450	63
K146-3321.	2.694	2.686	0.000	6.430	64
K146-3331.	2.686	2.934	8.400	7.470	65
K146-3351.	2.446	2.531	3.366	4.630	67
K146-3361.	2.493	2.566	2.649	1.920	68
K146-3369.	2.518	2.539	.042	4.280	69
K146-3380.	2.652	2.529	0.000	2.120	70

TABLE 11. STATISTICAL ANALYSES OF PHYSICAL CHARACTERIZATION DATA

WELL R-146							
	MEAN	STANDARD DEVIATION	VARIANCE	COEFFICIENT OF DEVIATION	95 PCT. CONFIDENCE INTERVAL LOWER LIMIT	UPPER LIMIT	NO. OF SAMPLES
BULK DENSITY, G/CC	2.624	.10	.01	.04	2.594	2.653	42
APPARENT DENSITY, G/CC							
TRUE DENSITY, G/CC	2.712	.14	.02	.05	2.667	2.756	42
OPEN POROSITY, PCT							
CLOSED POROSITY, PCT							
TOTAL POROSITY, PCT	3.640	3.73	13.90	1.02	2.486	4.810	42
WEIGHT LOSS INITIAL, G/KG							
WEIGHT LOSS FINAL, G/KG							
TOTAL WEIGHT LOSS, G/KG							
SURFACE AREA, M ² /G	3.241	2.17	4.73	.67	2.545	3.936	40

*1 IS INSIGNIFICANT

2.594 and 2.653 whereas the true densities vary from 2.667 to 2.756 with mean values of 2.524 and 2.712 for bulk and true densities respectively, with a 95 percent confidence level. Corresponding values for surface area are 2.545 (lower limit) 3.936 (upper limit) and 3.421 (the mean value). Total mean value of porosity calculated from the density data is 3.648%.

Figure 8 shows a plot of bulk density versus the hydrocarbon gas content. The expected result, i.e., increasing hydrocarbon gas content with decreasing density, is not all obvious. Such expected trend is much more apparent from Figure 9 which gives the carbon contents as a function of bulk density.

Figures 11 and 12 summarize the pore volume and pore size distribution for sample R-146-2750; as determined by mercury intrusion porosimeter technique. Porosities of approximately half the R-146 samples have been measured by the mercury intrusion porosimeter the results of which will be tabulated in the next report. A plot of hydrocarbon gas content versus porosity generally indicated a positive relationship between the two parameters with a wide scatter in the data as given in Figure 13. Similar trend is observed in Figure 14 summarizing the carbon content as a function of porosity.

5. Lithological Studies on M-1 Shales

Lithological studies on the R-146 samples were discussed in the previous report. As previously, powder samples of M-1 shales were examined by petrographic microscope, and fracture surfaces of bulk samples were viewed using the SEM. In conjunction with the latter, elemental counts were obtained by EDAX. Five samples were examined. The solid layers of nearly pure calcite were observed in a number of shale samples.

Figures 17 through 21 are SEM photographs of the shale sample. Table 12 summarizes the elemental analysis as determined by EDAX.

Shale sample No. M-1-7192, as viewed with the petrographic microscope, appeared to contain an abundance of illite, with moderate amounts of quartz and a carbonate mineral. A small amount of pyrite was observed and because of the virtual absence of other opaque material the organic content was judged to be low. EDAX results, generally, support these observations. The substantial potassium and low sulfur contents relate to the abundance of illite and low pyrite content. The relatively high calcium content suggests significant calcite contents. These relatively high Fe/S ratio indicates the presence of much of the Fe in mineral forms other

FIGURE 8. HYDROCARBON GAS CONTENTS AS A FUNCTION OF BULK DENSITY FOR WELL R-146

FIGURE 9. CARBON CONTENTS AS A FUNCTION OF BULK DENSITY FOR WELL R-146

FIGURE 10. HYDROGEN CONTENTS AS A FUNCTION OF BULK DENSITY FOR WELL R-146

FIGURE 11. PORE VOLUME AS A FUNCTION OF MERCURY PRESSURE FOR WELL R-146

FIGURE 12. PORE SIZE DISTRIBUTION FOR SHALE SAMPLE FROM WELL R-146

FIGURE 13. NATURAL GAS CONTENTS AS A FUNCTION OF POROSITY FOR WELL R-146

FIGURE 14. CARBON CONTENTS AS A FUNCTION OF POROSITY FOR WELL R-146

FIGURE 16. BULK DENSITIES AS A FUNCTION OF POROSITY FOR WELL R-146

FIGURE 17. SEM PHOTOGRAPH OF SHALE SAMPLES FROM WELL M-1-7192

FIGURE 18. SEM PHOTOGRAPH OF SHALE SAMPLES FROM WELL M-1-7303

FIGURE 19. SEM PHOTOGRAPH OF SHALE SAMPLES FROM WELL M-1-7388

FIGURE 20. SEM PHOTO OF SHALE SAMPLES FROM WELL M-1-7446

FIGURE 21. SEM PHOTOGRAPH OF SHALE SAMPLES FROM WELL M-1-7496

FIGURE 22. HYDROCARBON RELEASE KINETIC DATA ON SAMPLE M-1-7333

TABLE 12. ENERGY DISPERSIVE ANALYSES OF M SHALES

Shale Sample	Element Counts per 100 Counts												
	Na	K	Ca	Mg	Al	Si	Fe	S	Ti	Fe/S	K/Al	K/Si	Al/Si
M-1-7192	-	8.2	24.6	0.9	14.8	41.5	8.8	1.2	-	7.6	0.56	0.20	0.36
M-1-7303	-	7.2	-	1.5	22.0	61.1	5.4	2.3	0.5	2.4	0.33	0.12	0.36
M-1-7388	-	9.9	1.8	Tr	21.6	55.1	6.4	4.1	1.1	1.6	0.46	0.18	0.39
M-1-7446	-	6.1	4.1	Tr	16.9	65.6	3.4	3.3	0.5	1.0	0.36	0.09	0.26
M-1-7496	-	4.1	2.3	-	10.6	76.2	3.3	3.1	0.4	1.1	0.39	0.05	0.14
Illite Grain	-	17.2	-	-	25.5	57.3	-	-	-	-	0.67	0.30	0.45
Pyrite Grain	-	-	-	-	-	-	27.5	72.5	-	0.38	-	-	-
Quartz Grain	-	-	-	-	-	100	-	-	-	0.38	-	-	-

than pyrite.

Examination of the powder sample of shale No. M-1-7303 indicated it to be similar to M-1-7192 with the exceptions that the former contained very little carbonate mineral, a moderate pyrite content, and probably more organic material as judged by the amount of opaque material present. EDAX results generally support this except that the low K/Al and K/Si ratios suggest that a clay mineral other than illite is also present. This clay mineral is probably kaolinite.

Due to the opacity of most grains of shale samples No's. M-1-7388, -7446, and -7496 it was not possible to make meaningful estimates of their mineral contents, using the petrographic microscope. Qualitatively, it was noted that illite, quartz, pyrite, and a carbonate mineral were present in all samples. EDAX results indicate a small amount of calcite and small to moderate amounts of pyrite. They also indicate a continuous change, with increasing depth, of the illite and quartz contents. The decreasing potassium content, increasing silicon content, and consequent decrease in K/Si ratio indicate a decreasing illite and increasing quartz content with depth.

Judged by the content of opaque material other than pyrite, very high and very low contents of organic material were observed. Also, very high and very low calcite contents were to be noted, and finally there is indication that considerable variation exists in the illite/quartz ratios of different samples.

DATA CORRELATION

Throughout the history of the Eastern Gas Shales Project, many attempts have been made to correlate the hydrocarbon gas production rates with various kinds of data. Because the analyses and correlation of the shale data involve more than reporting descriptive statistics, work has been undertaken to prepare an Automatic Interaction Detection (AID) run, a statistical procedure originally developed by Sonquist and Morgan.⁽¹⁾ This report describes an effort to examine the interrelationships between the hydrocarbon gases released, experimental laboratory data, on-site field observations, and some wire-line log data.

BACKGROUND INFORMATION ON AID

Originally developed in 1963 by Sonquist and Morgan at the Institute for Social Research, The University of Michigan, Ann Arbor, AID focuses on problems associated with analysis of survey data, in which the purpose of the analysis is more than reporting descriptive statistics. In this situation, the problem is one of determining which of the variables, for which the data have been collected, are related to the phenomenon in question (in the EGSP case, hydrocarbon gas release), and how they may be used to predict changes in the criterion (dependent) variable. The data-model to which the present procedure is applicable may be termed a "sample survey model", in which values of a set of predictors $X_1, X_2, \dots, X_p$, and a criterion variable Y , have been obtained over a set of observations, or units of analysis, $U_1, U_2, \dots, U_x \dots U_n$. A weight, W_x , may also be established for U_x if sampling models are not representative and self-weighting are used, or if one observation is considered to be more reliable than another. Data may be considered "missing" or undefined on any of the X_i or on Y . In particular, this analysis situation is defined to be one in which the X_i are a mixture of nominal and/or ordinal scales (or coded intervals of an equal-interval scale) and Y is a continuous, or equal-interval scale. The X_i variables may consist of a mixture of "independent variables" and also "specifiers" (conditions) and "elaborators" (intervening variables). Thus, the problem is similar to the accounting or explanatory analysis described by Hyman.⁽²⁾ The objective is to explain the variance of the criterion variable Y . Where the number of predictors is small, the problem of isolating the relationships between the X_i and Y are manageable, but when the number of predictors is large, which is typical of many survey data analysis problems, then

an analysis of the joint effects of the X_i and Y presents serious problems. Many of these problems have been extensively discussed on the methodological literature. One summary is presented in Morgan and Sonquist.⁽³⁾ Tukey⁽⁴⁾ presents a searching critique of present data analysis techniques.

Data-analysis problems are translated into a variety of statistical questions. For instance, multiple regression techniques and other statistical procedures based on them attempt to answer the questions, "What is the effect of predictor variable X_i on the dependent variable, holding 'constant' or removing the linear effects of the other predictors?" and "Are these effects significant after taking into account the intercorrelations of the predictors?". The objective in an explanatory analysis is to ascribe the correct amount of the explained variation in Y to each predictor, within the limitations of the linear and additive assumptions of the model, using least squares criteria. One way of handling the problem of determining the joint effects of a large number of predictors is to introduce linearity and absence-of-interaction assumptions and then ask the questions previously mentioned. The problem with these procedures is that in view of the present state of such theory, one typically does not know in advance which transformations (e.g., X_i^2) or interaction terms (e.g., $X_i X_k$) to introduce into the regression model to produce a multi-dimensional surface over which the residuals are not normally distributed, but in which extreme values of the residuals are scattered randomly over the surface [Ezekiel and Fox⁽⁵⁾].

A great deal of work has been done in several fields which are related to the problem focused upon here. Belson⁽⁶⁾ has suggested a sequential, non-symmetrical division of the sample for the purpose of matching two groups on various characteristics used as controls in order to compare them. Tanimoto and Loomis⁽⁷⁾ have developed a computer program which forms clusters of observations which are similar along a number of dimensions. Reither⁽⁸⁾ presents a stochastic algorithm for optimizing payoff functions. Alexander and Manheim⁽⁹⁾ have developed a computer program for the analysis of correlational data. The intercorrelations between variables are represented as lines on a linear graph, which is broken into components using a "hill-climbing" algorithm based on the information-transfer between variables. There are also studies going on in the selection of test items to get the best prediction with a limited set of predictors⁽¹⁰⁾, usually using multiple regression. Westervelt⁽¹¹⁾ has developed

an interesting approach to the problem of maximizing predictability with a minimum number of terms by using a step-regression model combined with artificial intelligence. Group-screening methods have been suggested by Watson⁽¹²⁾ and by Box⁽¹³⁾ in which a set of factors is lumped and tested and the individual components checked only if the group seems to have an effect. These procedures have some similarity to the sequential process suggested here.

The AID approach bears some resemblance to a formal decision procedure proposed by Duncan, Ohlin, Reiss and Stanton⁽¹⁴⁾, using cost-utility curves and also to a sequential procedure suggested and tried by Danieri and Gilboy⁽¹⁵⁾. Earlier related work has been done by Wright⁽¹⁶⁾ and by Kitagawa⁽¹⁷⁾. Kretschmer and Vinton⁽¹⁸⁾ programmed an "Information-Theoretic Sieve" procedure which partitions a sample universe into two or more segments which are mutually exclusive and which minimize conditional uncertainty. Each of these analysis schemes represents a specific statistical question. One such question is, "Given the units of analysis under consideration, what predicts values of the dependent variable?". This question, embedded in an interactive scheme, is the basis for the algorithm used in this program. The AID program divides the sample, through a series of binary splits, into a mutually exclusive series of subgroups. Every observation is a member of exactly one of these subgroups. They are chosen so that at each step in the procedure, their means account for more of the total sum of squares (reduce the predictive error) than the means of any other equal member of subgroups.

Description of the Algorithm

1. The total input sample is considered the only group at the start.
2. Select that unsplit sample group, group i , which has the largest total sum of squares.

$$TSS_i = \sum_{\alpha=1}^{N_i} Y^2 - \frac{\sum_{\alpha=1}^{N_i} Y^2}{N_i} \quad (1)$$

such that for the i 'th group

$$TSS_i \geq R (TSS_T) \text{ and } N_i \geq M \quad (2)$$

where R is an arbitrary parameter (normally $.01 \leq R \leq .10$)

and M is an arbitrary integer (normally $20 \leq S \leq 40$).

The requirement (2) is made to prevent groups with little variation in them, or small numbers of observations, or both, from being split. That group with the largest total sum of squares (around its own mean) is selected, provided that this quantity is larger than a specified fraction of the original total sum of squares (around the grand mean), and that this group contains more than some minimum number of cases (so that any further splits will be credible and have some sampling stability as well as reducing the error variance in the sample).

3. Find the division of the C_k classes of any single predictor X_k such that combining classes to form the partition p of this group i into two nonoverlapping subgroups on this basis provides the largest reduction in the unexplained sum of squares. Thus, choose a partition so as to maximize the expression

$$(n_1 \bar{y}_1^2 + n_2 \bar{y}_2^2) - N_i \bar{Y}_i^2 = BSS_{ikp} \quad (3)$$

where $N_i = N_1 + n_2$

$$\text{and } \bar{Y}_i = \frac{n_1 y_1 + n_2 y_2}{N_i}$$

for group i over all possible binary splits on all predictors, with restrictions that (a) the classes of each predictor are ordered into descending sequence, using their means as a key and (b) observations belonging to classes which are not continuous (after sorting) are not placed together in one of the new groups to be formed. Restriction (a) may be removed, by option, for any predictor X_k .

4. The requirement for a partition p on variable k over group i to take place after the completion of Step 3 is that

$$BSS_{ikp} \geq Q(TSS_T) \quad (4)$$

where Q is an arbitrary parameter in the range $.001 \leq Q \leq R$, and TSS_T is the total sum of squares for the input sample. Otherwise, group i is not capable of being split; that is, no variable is "useful" in reducing the predictive error in this group. The next most promising group ($TSS_j = \text{maximum}$) is selected via Step 2 and

Step 3 is then applied to it, etc.

5. If no more unsplit groups meeting requirement (2) exist, or if, for those groups meeting it, requirement (4) is not met (i.e., there is no "useful" predictor), or if the number of currently unsplit groups exceeds a specified input parameter, the process terminates. Unlike the multiple regression technique, AID allows predictors (independent variables) to substitute for each other in exploring variations in the dependent variable. Thus, when examining each split, the question "What are the reasons why the split has been made on this variable, rather than on one of the other predictors?" should be kept in mind. The AID program also differs from conventional multiple regression techniques in that no one model is assumed for the possible correlations and that the predictor variables may exhibit different types of interactions without invalidating the analysis.

Program output consists of a graphics tree which summarizes the partitioning process. Symmetry or asymmetry of the resulting tree reflects whether the predictors are acting independently or in combination (interactive effects). Each partition level in the AID graphics tree consists of a series of blocks containing information about both criterion and predictor variables as shown in Figure 24. The F-ratio is a measure of the statistical significance of the partition. It may be compared to tabulated values with V_1 and V_2 , respectively, taken as the number of cases in the upper and lower groups formed by the partition. Also, the total explained variation at any level of branching can also be calculated. The group number is also important because it indicates the order from most influential to least influential in which the criterion variables have been chosen.

Interpretation of the Graphics Tree

Each partition level in the AID graphics tree consists of a series of "blocks" containing information about both criterion (dependent) and predictor (independent) variables as shown in Figure 23. The first block, on the left side of the tree (with a "1" in its upper right hand corner) contains statistical information concerning the criterion variable values. For example, in Figure 23, the number of cases examined, N , is 52; mean for the criterion variable is $\bar{X}$.

FIGURE 23. SAMPLE AID GRAPHICS TREE

The mean yield, $\bar{Y}$, is 72334 units, while the percent standard deviation (%S) divided by the mean for the criterion variable, $(\bar{X})$, $\%S/\bar{X}$ is 7.58.

The first partition occurred, for this example on the starting ohms. For higher values of starting ohms, one must look at block 2, while for lower values, block 3 should be examined. As seen from Figure 24, each block contains:

- a group number
- N, the number of cases in that group
- $\bar{X}$, the mean value of the criterion variable
- $\%S/\bar{X}$, the percent standard deviation over the mean for the criterion variable
- the range of values for the predictor variables for this split.

The name of the predictor variable causing the split, the F-ratio and the percent variance explained by this split, D, is listed to the right of the block.

In this example, 5 variables can be used to predict the mean yield ($\bar{Y}$). Statistically speaking, if nothing was known about the starting ohms, furnace, %SiC, and run time, a mean yield of 72334 units can be expected. If the starting ohm value is known, however, the mean yield can be predicted more accurately. That is, for starting ohm values of 56 to 760, a mean yield ($\bar{Y}$) of 76056 can be predicted. This is based on 32 sample cases having a percent standard deviation over the mean ($\%S/\bar{X}$) value of 1.183, as shown in group 2. For lower starting ohm values (38 to 56) a mean yield of 66380 can be predicted, this is based on 20 sample cases with a $\%S/\bar{X}$ of 1.160. Thus, for higher starting ohm values, higher mean yields can be expected. Total explained variation for this split, D, is 35%. Close examination of the graphics tree shows that group 2, higher starting ohm values, can be partitioned on run time. For lower run times (1 to 82), group 4 is formed. Samples with starting ohm values of 56 to 760 and run times of 1 to 82 fall in this group. For these samples, a mean yield of 82228 can be predicted with $\%S/\bar{X}$ of 37.67. For samples with the same starting ohm values and run times of 83 to 228, a mean yield of 73641 with $\%S/\bar{X}$ of 35.61 can be predicted as shown in group 5. Thus, as run times decrease, mean yield increases for samples with starting ohm values between 56 and 760.

For lower starting ohm values (38 to 56), partitioning occurs on the furnace. For furnaces with starting ohm values between 38 and 56 and furnace

FIGURE 24. LEGEND FOR GRAPHICS TREE

values of 588 to 687, a mean yield of 58840 with a $\%S/\bar{X}$ of 2 can be predicted as shown in group 7 and 8. That is, for samples with starting ohm values from 38 to 56, mean yield increases as the furnace values increase. For the mean yield estimates based upon groups 1 through 6, 61 percent of the sample (mean yield) variance is explained.

No additional partitioning occurs for samples with starting ohm values of 56 to 760 and run times of 1 to 82. Thus, no other predictor variables input can be used to estimate the mean yield closer. That is, a mean yield of 82228 for these samples is the "best estimate" from the data supplied. Actually, partitioning does not continue for this group since only 9 out of the 52 samples (17 percent) from the total cases remained in this group. Similarly, for group 7, no partitioning occurs.

Group 5 samples with starting ohm values between 56 and 760 and run time values from 83 to 228, partition on furnace values. Once again, higher furnace values (778 to 891) result in predicted mean yield values of 77891 with a $\%S/\bar{X}$ of 3, as shown in group 8. This is based on 11, or 21 percent, of the cases examined. Lower furnace values, 687 to 778, result in predicted mean values of 69746, as seen in group 9. This is based on 12, or 23 percent, available cases and a $\%S/\bar{X}$ of 4.

Cases with starting ohm values ranging from 38 to 56 and furnace values ranging from 688 to 893, partition on percent SiC, as shown in groups 10 and 11. Higher %SiC values (38 to 100) have a mean yield of 71378 based on 9, 17 percent, cases with a $\%S/\bar{X}$ of 39.22. Lower %SiC values (0 to 30) have a mean yield of 65167 based on 6 cases, 11.5 percent, with $\%S/\bar{X}$ of 28.5. Total variation explained by all partitions is 77% ($D_3 = D_t$).

ANALYSIS OF THE SHALE CHARACTERIZATION DATA

For the purpose of this study, 11 wells were included in the AID analysis shown in Table 13. Six of the 11 wells were located in the Appalachian basin, while the remaining five were from the Illinois basin. At the time this computer analysis was begun, Battelle had not received a complete set of wire-line logs for all of these wells. Thus, only the available well log data were used in this analysis. Of the 14 variables available from the wire-line logs, no one variable was complete for all 450 samples. For this reason, an attempt was made to maximize the number of samples and wire-line log data variables that could

TABLE 13. WELLS INCLUDED IN AID ANALYSIS

Battelle's Well Code	Corresponding DOE's Well Code	Other Well Code	No. of Core Samples	Basin
C-1	WV#3	20403	86	Appalachian
C-2	WV#4	20402	17	Appalachian
C-336	KY#3	20336	119	Appalachian
C-338	VA#1	20338	40	Appalachian
N-1	IL#1	MAK#1	31	Illinois
N-2	IL#2	RAR#1	23	Illinois
O-1	KY#2	RC #1	13	Illinois
P-1	IN#L	P-1	11	Illinois
R-109	OH#2	R-109	25	Appalachian
R-146	WV#5	D/K#3	71	Appalachian
T-1	IL#1	#1-D	14	Illinois

be incorporated into the analysis. Three variables, bulk density, gamma radiation, and resistivity, were available on 55 samples. The remainder of the variables were available on a minimum of 11 samples to a maximum of 41 samples. AID analysis with less than 50 samples was considered to be statistically invalid. Therefore, only the three variables from the wire-line log were included in the analysis. Various laboratory data compiled included physical characterization, free gas, and chemical characterization data. From the free gas data, the following variable were considered:

Methane content	Oxygen content
Ethane content	Carbon dioxide (CO ₂) content
Propane content	Corrected can pressure
Butane content	Total hydrocarbon gas content
Pentane content	Hydrocarbon gas content per
Nitrogen content	unit volume.

Physical characterization data examined consisted of:

- Surface area
- Bulk density
- Total porosity
- Weight loss on heating at 150 C
- Mean and maximum pore volumes.

Some field observations were also included in this analysis. Data included from on-site observations consisted of surface exposure times before cored shale was sealed in a canister. An attempt was also made to analyze sample color.

Additional data included for this analysis are well location and sample depth.

Hydrocarbon gas content per unit volume of shale was selected as the criterion variable. Simple correlation analysis of the variables listed in Table 14 are used to establish the required subgroupings of the predictor variables. Values for each of the parameters included in the analysis ranged from 0 to 3,000. To minimize statistical bias and maintain relative distribution of each variable, a transformation program was designed to distribute the parameters in a matrix with values ranging from 0 to 63, a requirement of the AID program. For variables where no data were available, a value of -98 was included in the final data output. This was done so that cases where data were missing or incomplete could be excluded from the final analysis.

AID Program

For the preliminary analysis, 450 samples were used and 21 to 24 variables (20 to 23 predictors) were examined at any given time. All of the data

TABLE 14. LIST OF SELECTED PREDICTOR VALUES

Variable No.	Description	Units
1	Well Code	
2	Depth	Feet
3	CMP *	% Primary
4	Neut Poros *	% Matrix
5	Bulk Dnsty *	g/cc
6	3cnd Poros *	%
7	Pct Porosy *	%
8	Gama Ray *	API
9	Resistvty *	$\Omega m^2/2$
10	Conductcty *	Milli v/m
11	16 In n Rs *	$\Omega m^2/2$
12	64 In n Rs * resistivity	$\Omega m^2/2$
13	18.5 Ft L *	$\Omega m^2/2$
14	Surface expos	Decimal hours
15	Methane	Volume %
16	Ethane	Volume %
17	Propane	Volume %
18	Butane	Volume %
19	Pentane	Volume %
20	Nitrogen	Volume %
21	Oxygen	Volume %
22	CO ₂	Volume %
23	Total C	%
24	Surface A	m ² /g
25	Correc Prs	Torr
26	HC Gas	%
27	Gas/Shale V	cu ft/cu ft
28	Bulk Dn	g/cc
29	Total Poros	%
30	Smpl Wt Ls	g/kg
31	Mean Por V	cc/g
32	Max Por V	cc/g

* Wire-line log data.

included in the analysis were assumed to be monotonic and were examined as such. The minimum size required before a group could be split was chosen to be 10; allowable number of groups was 20 and the minimum size of any group was 5. That is, for the 123 cases examined, the interaction analysis was programmed to stop at 10 splits. Also, if a proposed group contained less than five cases, or four percent of the total observations examined, it would not form.

The first analysis was an examination of the interrelationships between the hydrocarbon gas per unit volume of shale. The variables are shown in Table 15. For the first AID run, 450 observations were used for the final analysis. The mean of the gas released per unit volume of shale for these observations was 0.499 (cu ft/cu ft) with the standard deviation 97.40 and a skewness of 2.04. The graphics tree obtained from the analysis based on the can pressure as the first predictor variable is depicted in Figure 25. The figure shows a total of 15 groups obtained as a result of seven splits. Predictably, higher values of can pressure indicate higher hydrocarbon gas content per unit volume of shale (the first split). For higher can pressure values (group 3) propane content is the significant predictor variable. Contrary to expectations, higher propane content yields lower total hydrocarbon gas content per unit volume of shale (groups 8 and 9); that is, the hydrocarbon gas content is inversely proportional to propane content. With lower can pressure (563 to 1279 torrs) butane content becomes the significant predictor variable. A direct proportionality is observed between the hydrocarbon gas and butane contents. Sixty-three percent of the variance is explained by the first split in the graphics tree. No further splits occurred in groups 8 and 9. Groups 4 and 5 have the can pressure and well code as the significant predictor variables, respectively. Again, as expected, higher can pressures resulted in higher hydrocarbon gas contents and higher well code numbers also resulted in higher hydrocarbon gas contents. The second and third level of splits explained 76 and 81 percent of variation, respectively. No further splits occurred on groups 6, 14, and 15. A split occurred on group 7 with the carbon dioxide content as the predictor variable, indicating that hydrocarbon gas contents are directly proportional to carbon dioxide contents. No additional splitting occurred in group 10, but group 11 was split with total carbon content as the important predictor variable. Higher total carbon values were associated with higher hydrocarbon gas contents indicating a positive relationship between the total carbon and hydrocarbon gas contents. No further splitting took place

TABLE 15. PREDICTOR LISTING

Variable No.	Description	Maximum Value	Type
1	Well Code	12	Monotonic
2	Depth	3997	Ditto
3	Methane	82	"
4	Ethane	25	"
5	Propane	14	"
6	Butane	4	"
7	Pentane	10	"
8	Nitrogen	96	"
9	Oxygen	19	"
10	CO ₂	12	"
11	Total C	15	"
12	Surface A	17	"
13	Correc Prs	2146	"
14	HC Gas	97	"
15	Av Bulk Dn	3	"
16	Total Poros	13	"
17	Smpl Wt Ls	26	"
18	Mean Por V	.06	"
19	Max Por V	.05	"

FIGURE 25. AID GRAPHICS TREE: OFF GAS DATA

beyond groups 14 and 15 in this analysis. The cumulative reductions in the unexplained variation from the fourth and fifth series of splittings are 86 and 88 percent, respectively. The small difference between the last two figures (86 and 88%) indicates that further splitting would not significantly improve the total reduction in unexplained variation and, therefore, further splitting was not justified.

For the first interaction analysis summarized in Figure 25 with can pressure as the starting predictor variable, propane, butane, CO_2 , and total carbon contents along with well code number are the significant predictor variables. The total reduction in the unexplained variation is 88 percent meaning that only 12 percent of the variation is unaccounted for. These data indicate a very good relation between the predicted variable (hydrocarbon gas content) and the predictor variables appearing in Figure 25.

The second analysis involves the examination of interactions between the gas variables (methane, ethane, CO_2 , O_2 contents, etc.) and the surface area. For this analysis, 20 predictor variables and 77 observations are used. The mean value of criterion (dependent) variable, hydrocarbon gas content, is 1.362, while the standard deviation and skewness are 20.14% and 0.12, respectively. Figure 26 illustrates the graphics tree obtained for the analysis. A total of six splits, resulting in 13 groups, took place. The majority of splittings are based on oxygen content as the predictor variable, indicating that a complex, non-linear relationship exists between the oxygen and hydrocarbon gas contents. Low oxygen contents are associated with high hydrocarbon gas contents. The first splitting (to groups 2 and 3) explains 85 percent of the variation. The second series of splits again occurs with oxygen content as the significant predictor variable, explaining 97 percent of the total variation in the relationship between the criterion and predictor variables. The rest of the splits, except one, also occur with oxygen content as the predictor variable. Only the splitting of group 4 (to groups 10 and 11) is based on ethane content as the predictor variable. Higher ethane contents are associated with higher values of hydrocarbon gas contents. Ninety-nine percent of the total variation is explained by the analysis of the data summarized in the graphics tree in Figure 26. Only one percent of the variation remains unexplained. These data, of course, represent excellent correlation between the criterion and predictor variables analyzed in this case.

FIGURE 26. AID GRAPHICS TREE: OFF GAS PLUS SURFACE AREA DATA

Finally, the interrelationships between the total hydrocarbon gas contents and wire-line log data were examined. Among the wire line log data used were neutron (bulk) density, gamma radiation and the electrical resistivity values. Due to lack of availability of complete set of wire-line log data on all the core samples, only 37 observations were used in this interaction analysis, less than the minimum required number of observations necessary to obtain statistically meaningful results. However, the robustness of the statistics merited a brief discussion. The mean value of hydrocarbon gas released per unit volume of shale was 0.440 cu ft/cu ft with standard deviation and skewness 46.51 percent and 1.72, respectively. Due to the lack of sufficient data only two splits occurred. The first split occurred with bulk density as the important predictor variable; the second split was based on the surface area values. Only 62 percent of the total variation was explained as a result of two splits, indicating the need for more data to achieve higher level of explanations of the total variation. Although statistically invalid, the observations made in Figure 27 were deemed more important in that they gave indications about the significance of interactions between the laboratory and wire-line log data in estimating the potential hydrocarbon gas contents in the shale samples, thus far characterized. Other pertinent data and information on the AID program are given in separate Appendices.

DISCUSSION AND RESULTS

The AID analysis clearly indicates that true meaningful correlations exist between the hydrocarbon gas contents and characterization data on the gas shales. For these correlations to be statistically valid, at least 50 (or 11 percent) of the cases should be considered in the interaction analysis. For the preliminary analysis discussed, 123 cases and 20 variables have been considered. The results indicate that the hydrocarbon gas content per unit volume of shale can be predicted from:

- Can pressure
- Propane content
- Butane content
- Well code number (well location)
- Oxygen content
- Carbon dioxide content
- Bulk density
- Total carbon content.

Higher pressures are associated with higher hydrocarbon gas contents. For high gas pressure values, propane content becomes the next important predictor variable. In this case high propane contents lead to low values of

FIGURE 27. AID GRAPHICS TREE: OFF GAS DATA PLUS WIRE-LINE LOG DATA

hydrocarbon gas contents which is an observation contrary to expectations. No attempt will be made to give a possible explanation for this observation at this time. For lower values of can pressure, butane content becomes the significant predictor variable. High values of butane content are associated with high hydrocarbon gas content per unit volume of shale. For low can pressures and high butane contents, well code number (well location) becomes the critical predictor variable. Interestingly, Wells 1 and 2 (C-1 and C-2 from Lincoln County, WV) exhibit low hydrocarbon gas contents. These samples, received nearly 1 year after coring, indicate that analysis needs to be made as early as possible after the samples have been brought to the laboratory. Possible leakage of gases could account for this observation. For samples with higher well code numbers, carbon dioxide and total carbon contents are the significant variables. In both cases a positive correlation is observed between the predictor variable (CO_2 and carbon content) and hydrocarbon gas content; that is, higher predictor variable levels lead to higher hydrocarbon gas yield.

The highest number of splits, but still less than the maximum allowed, occurred in the first interaction analysis. In all but one group, more than five observations remained. The second analysis, on the other hand, resulted in a graphics tree with six splits and only two predictor variables, namely oxygen and ethane contents. Surface area was initially included in this analysis, but did not appear in the final graphics tree. A total of six splits, five with oxygen content and one with ethane content as the predictor variables, occurred. Clearly, complex inverse relationship exists between the oxygen and hydrocarbon gas contents. For high oxygen contents, ethane content becomes an important predictor with a hydrocarbon gas content being proportional to ethane content.

Analysis of the limited amount of wire-line log data resulted in a graphic tree with a total of two splits, based on bulk density and surface area. More complete well log data will have to be studied to make the observations statistically valid. This will be done as soon as more well log data have been acquired from DOE/MERC.

Although preliminary in nature, these initial AID runs have proven certain significant correlations between the potential gas contents and the shale characterization data (independent and interactive relationships) with emphasis on the degree of importance of the characterization variables. Because of these encouraging observations, further examination of the characterization data employing the AID technique is warranted and will be made in the future.

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APPENDIX A

Data Transformation Program


```

1      PROGRAM TRANS(INPUT,OUTPUT,TAPE1,TAPE2,TAPE3,TAPE4,TAPE5,TAPE6,TAP
      $E7,TAPE8)
      DIMENSION A(450,32),
      $IDBB(450,32),FFFF(32),C(32),
      $TOPP(32),BOTT(32),
5      C(1)=#WELL CODE#
      C(2)=#DEPTH#
      C(3)=#CMP M/T PR#
      C(4)=#NEUT POROS#
      C(5)=#BULK DNSTY#
10     C(6)=#SCND POROS#
      C(7)=#PCT POROSY#
      C(8)=#GAMA RAY#
      C(9)=#RESISTIVITY#
      C(10)=#CONDUCTIVITY#
15     C(11)=#16 IN N RS#
      C(12)=#64 IN N RS#
      C(13)=#1A.5 FT L#
      C(14)=#SURF EXPOS#
      C(15)=#METHANE#
20     C(16)=#ETHANE#
      C(17)=#PROPANE#
      C(18)=#BUTANE#
      C(19)=#PENTANE#
      C(20)=#NITROGEN#
25     C(21)=#OXYGEN#
      C(22)=#CO2#
      C(23)=#TOTAL C#
      C(24)=#SURFACE A#
      C(25)=#CORREC PRS#
30     C(26)=#HC GAS#
      C(27)=#GAS/SH VOL#
      C(28)=#AV BLK DN#
      C(29)=#TOTL POROS#
      C(30)=#SMPL WT LS#
35     C(31)=#MEAN POR V#
      C(32)=#MAX POR V#
      .....
      *  COMPILE AND CALCULATE DATA  *
      .....
40     DO 100 I=1,450
      READ(1,1) (A(I,J),J=1,14)
      READ(2,3) (A(I,J),J=15,22)
      READ(3,5) (A(I,J),J=23,30)
      READ(4,23) (A(I,J),J=24,31)
45     READ(5,30) (A(I,J),J=25,32)
      READ(6,40) (A(I,J),J=29,30)
      READ(7,70) (A(I,J),J=31,32)
      IF(A(I,1).EQ.#C 1#) A(I,1)=1.
      IF(A(I,1).EQ.#C 2#) A(I,1)=2.

```

```

50      IF(A(I,1).EQ.#C336#) A(I,1)=3.
        IF(A(I,1).EQ.#C338#) A(I,1)=4.
        IF(A(I,1).EQ.#N 1#) A(I,1)=5.
        IF(A(I,1).EQ.#N 2#) A(I,1)=6.
        IF(A(I,1).EQ.#0 1#) A(I,1)=7.
55      IF(A(I,1).EQ.#P 1#) A(I,1)=8.
        IF(A(I,1).EQ.#R109#) A(I,1)=9.
        IF(A(I,1).EQ.#R146#) A(I,1)=10.
        IF(A(I,1).EQ.#T 1#) A(I,1)=11.
        IF(A(I,1).EQ.# 1#) A(I,1)=12.
60      100 CONTINUE
        *****
        *      CALCULATION OF MAX AND MIN      *
        *****
        DO 700 J=1,32
65      DO 710 I = 1,450
            TOPP(J)=A(I,J)
            BOTT(J)=A(I,J)
            IF(TOPP(J).NE.-99) GO TO 700
            IF(BOTT(J).NE.-99) GO TO 700
70      710 CONTINUE
            700 CONTINUE
            DO 210 J=1,32
            DO 200 I=1,450
            IF(A(I,J).EQ.-99.) GO TO 200
75      IF(A(I,J).LE.TOPP(J)) TOPP(J) =TOPP(J)
            IF(A(I,J).GT.TOPP(J)) TOPP(J) =A(I,J)
            IF(A(I,J).LT.BOTT(J)) BOTT(J) =A(I,J)
            IF(A(I,J).GE.BOTT(J)) BOTT(J) =BOTT(J)
            200 CONTINUE
            210 CONTINUE
            DO 300 J=1,32
            IF(TOPP(J).EQ.BOTT(J)) FFFF(J)=0.
            IF(TOPP(J).EQ.BOTT(J)) GO TO 300
            FFFF(J)=(63.7*(TOPP(J)-BOTT(J)))
80      300 CONTINUE
            *****
            *      PRINT TRANSFORMATION DATA      *
            *****
            DO 410 J=1,32
90      N=0
            DO 400 I=1,450
            IF(A(I,J).EQ.-99.) BBBB=-99.
            IF(A(I,J).EQ.-99.) GO TO 333
            BBBB=(FFFF(J)*(A(I,J)-BOTT(J)))
95      333 IBDB(I,J)=INT(BBBB*.005)
            N=N+1
            IF(N.EQ. 1) PRINT1003,C(J),TOPP(J),BOTT(J),FFFF(J)
            IF(N.EQ. 1) PRINT1004

```

```

100      IF(N.EQ.51) PRINT 1002
        IF(N.EQ.101) PRINT 1002
        IF(N.EQ.151) PRINT 1002
        IF(N.EQ.201) PRINT 1002
        IF(N.EQ.251) PRINT 1002
105      IF(N.EQ.301) PRINT 1002
        IF(N.EQ.351) PRINT 1002
        IF(N.EQ.400) PRINT 1002
        PRINT 1000,A(I,1),A(I,2),A(I,J),BBBB(I,J)
        400 CONTINUE
        410 CONTINUE
110      *****
        * WRITE TRANSFORMATION DATA ON TAPE *
        *****
        DO 500 I=1,450
          WRITE(A,1001) (BBBB(I,J),J=1,32)
115      500 CONTINUE
        *****
        * PRINT SUMMARY TABLE *
        *****
        PRINT 2001
        DO 600 J=1,32
120      IF(FFFF(J).EQ.0.) FFFF(J)=-1.
          FFFF(J)=1./FFFF(J)
          PRINT 2003,C(J),FFFF(J),ROTI(J)
        600 CONTINUE
125      *****
        * READ FORMATS *
        *****
        1 FORMAT(1X,A4,F4.0,F4.1,F5.2,F5.3,F5.1,F4.1,F4.0,F5.0,F4.0,3F5.0,6X
130      1,F5.2)
        3 FORMAT(14X,F5.2)
        5 FORMAT( 9X,F4.1)
        23 FORMAT(23X,F6.3)
        30 FORMAT(10X,F5.0,14X,2F5.2)
        40 FORMAT(12X,F7.3,28X,F7.3,14X,F7.3)
135      70 FORMAT(11X,F8.4,F8.4)
        *****
        * WRITE FORMATS *
        *****
140      1000 FORMAT(1X,3X,F4.0,2X,F5.0,3X,F9.3,6X,F9.3,8X,I6)
        1001 FORMAT(10I8/10I8/10I8/2I8)
        1002 FORMAT(1I,5X,1SAMPLE 10I,14X,1X,10X,1TRANS,12X,1INT,/)
        1003 FORMAT(1I,3X,1VARIABLEX 1A10,5X,1MAXX 1,F9.3,5X,1MINX 1,F9.3,5X,
          1XFX 1,F9.3,///)
        1004 FORMAT(1X,5X,1SAMPLE 10I,14X,1X,10X,1TRANS,12X,1INT,/)
145      2000 FORMAT(1X,3X,A10,9X,F9.3,10X,F9.3)
        2001 FORMAT(1I,3X,1TO DECODE,12X,1MULT BY,12X,1AND ADD,/)
        STOP

```

END

CARD NR. SEVERITY DETAILS DIAGNOSIS OF PROBLEM

43 I LOWER LIMIT .GE. UPPER LIMIT, ONE TRIP LOOP.
 44 I LOWER LIMIT .GE. UPPER LIMIT, ONE TRIP LOOP.

SYMBOLIC REFERENCE MAP (R=1)

ENTRY POINTS
12540 TRANS

VARIABLES	SN	TYPE	RELOCATION
13640 A	REAL	ARRAY	13637 ABBB REAL
50000 DOTT	REAL	ARRAY	104200 C REAL ARRAY
104140 FFFF	REAL	ARRAY	13634 I INTEGER
50040 IBBB	INTEGER	ARRAY	13635 J INTEGER
13636 N	INTEGER		47740 TOPP REAL ARRAY

FILE NAMES	MODE
0 INPUT	1042 OUTPUT FMT
4210 TAPE3 FMT	5252 TAPE4 FMT
10420 TAPE7 FMT	11462 TAPE8 FMT
	2104 TAPE1 FMT
	6314 TAPE5 FMT
	3146 TAPE2 FMT
	7356 TAPE6 FMT

INLINE FUNCTIONS	TYPE	ARGS
INT	INTEGER	1 INTRIN

STATEMENT LABELS
13435 1 FMT
13451 23 FMT
13462 70 FMT
0 210
0 400
0 500
13465 1000 FMT
13504 1003 FMT
13530 2001 FMT
13445 3 FMT
13453 30 FMT
0 100
13075 300
0 410
13033 700
13472 1001 FMT
13515 1004 FMT
13447 5 FMT
13456 40 FMT
13057 200
13116 333
0 500
0 710
13475 1002 FMT
13524 2000 FMT

LOOPS	LABEL	INDEX	FROM-TO	LENGTH	PROPERTIES
12622	100	I	40 60	1778	EXT REFS NOT INNER
12625		J	41 41	108	EXT REFS
12641		J	42 42	108	EXT REFS

LOOPS	LABEL	INDEX	FROM-TO	LENGTH	PROPERTIES
2540		* J	43	08	EXT REFS
2600		* J	44	08	EXT REFS
12675		* J	45 45	108	EXT REFS
12711		* J	46 46	108	EXT REFS
12725		* J	47 47	108	EXT REFS
13022	700	* J	64 71	140	NOT INNER
13023	710	* I	65 70	108	OPT EXITS
13037	210	* J	72 80	258	NOT INNER
13045	200	I	73 79	138	OPT
13070	300	J	81 85	68	OPT
13100	410	* J	89 109	1210	EXT REFS NOT INNER
13102	400	* I	91 108	1158	EXT REFS
13222	500	* I	113 115	178	EXT REFS NOT INNER
13225		* J	114 114	108	EXT REFS
13243	600	* J	120 124	178	EXT REFS

STATISTICS

PROGRAM LENGTH	15148	29516
BUFFER LENGTH	125248	5460

FWA OF THE LOAD 101
LWA+1 OF THE LOAD 117005

TRANSFER ADDRESS -- TRANS 12641

PROGRAM AND BLOCK ASSIGNMENTS.

BLOCK	ADDRESS	LENGTH	FILE	DATE	PROGSSR	VER	LEVEL	HARDWARE	COMMENTS
TRANS	101	104240	LGO	05/31/78	FTN	4.6	420	6464 1	OPT=1
/STP.END/	104341	1							
/FCL.C./	104342	23							
/OB.IO./	104365	133							
DANTRY=	104520	0	SL-FORTRAN	06/09/76	COMPASS	3.	3-428		FCL INITIALIZATION ROUTINE.
COMIO=	104520	54	SL-FORTRAN	06/09/76	COMPASS	3.	3-428		COMMON CODED I/O ROUTINES AND CONSTANTS.
FFCMSK=	104604	41	SL-FORTRAN	06/09/76	COMPASS	3.	3-428		INITIALIZE CONSTANTS.
FLTOUT=	104645	311	SL-FORTRAN	06/09/76	COMPASS	3.	3-428		COMMON FLOATING OUTPUT CODE
FORSYS=	105156	602	SL-FORTRAN	06/09/76	COMPASS	3.	3-428		FORTRAN OBJECT LIBRARY UTILITIES.
INCOM=	105760	276	SL-FORTRAN	06/09/76	COMPASS	3.	3-428		COMMON INPUT FORMATTING CODE
INPC=	106256	150	SL-FORTRAN	06/09/76	COMPASS	3.	3-428		FORMATTED READ FORTRAN RECORD.
KODER=	106436	456	SL-FORTRAN	06/09/76	COMPASS	3.	3-428		OUTPUT FORMAT INTERPRETER.
OUTCOM=	107114	154	SL-FORTRAN	06/09/76	COMPASS	3.	3-428		COMMON OUTPUT CODE
SYSALO=	107270	1	SL-FORTRAN	06/09/76	COMPASS	3.	3-428		LINK BETWEEN SYS=AIO AND INITIALIZATION CODE.
FLTIN=	107271	154	SL-FORTRAN	06/09/76	COMPASS	3.	3-428		COMMON FLOATING INPUT CONVERTER.
FMAP=	107445	352	SL-FORTRAN	06/09/76	COMPASS	3.	3-428		CRACK APLIST AND FORMAT FOR KODER/KRAKER.
FOPUTL=	110017	16	SL-FORTRAN	06/09/76	COMPASS	3.	3-428		FCL MISC. UTILITIES.
GETFIT=	110035	42	SL-FORTRAN	06/09/76	COMPASS	3.	3-428		LOCATE AN FIT GIVEN A FILE NAME.
KPAKER=	110077	436	SL-FORTRAN	06/09/76	COMPASS	3.	3-428		PROCESS FORMATTED FORTRAN INPUT.
OUTC=	110505	172	SL-FORTRAN	06/09/76	COMPASS	3.	3-428		FORMATTED WRITE FORTRAN RECORD.
/CON.RM/	110677	6							
CIO.RM	110705	40	SL-SYSIO	06/21/76	COMPASS	3.	3-428		
/ADR.RM/	110745	10							
MOVE.RM	110755	54	SL-SYSIO	06/21/76	COMPASS	3.	3-428		
MCT.RM	111041	227	SL-SYSIO	06/21/76	COMPASS	3.	3-428		
/JMPS.RM/	111270	11							
/MEMC.FM/	111301	3							
/OPES.FO/	111304	1							
/OPEN.FO/	111305	7							
OPEN.RM	111314	237	SL-SYSIO	06/21/76	COMPASS	3.	3-428		
/CLSF.FO/	111553	7							
CLSF.SQ	111562	133	SL-SYSIO	06/21/76	COMPASS	3.	3-428		
/CLSV.FO/	111715	7							
CLSV.SQ	111724	125	SL-SYSIO	06/21/76	COMPASS	3.	3-428		
/RFW.FO/	112051	7							
REW.SQ	112060	33	SL-SYSIO	06/21/76	COMPASS	3.	3-428		
/TERM.RM/	112113	1							
/GET.FO/	112114	7							
/GET.RI/	112123	5							
/GET.RI/	112130	11							
GET.SQ	112141	1050	SL-SYSIO	06/21/76	COMPASS	3.	3-428		

Z.SQ	113211	101	SL-SYSIO	06/21/76	COMPASS	3.	3-428
FSU.SQ	113312	106	SL-SYSIO	06/21/76	COMPASS	3.	3-428
ERR.RM	113420	404	SL-SYSIO	06/21/76	COMPASS	3.	3-428
CHWR.SQ	114024	7	SL-SYSIO	06/21/76	COMPASS	3.	3-428
OSUR.RM	114033	65	SL-SYSIO	06/21/76	COMPASS	3.	3-428
OPEN.SQ	114120	262	SL-SYSIO	06/21/76	COMPASS	3.	3-428
OPEX.SQ	114402	14	SL-SYSIO	06/21/76	COMPASS	3.	3-428
/PUT.RT/	114416	11					
RLEQ.RM	114427	42	SL-SYSIO	06/21/76	COMPASS	3.	3-428
WAR.SQ	114471	260	SL-SYSIO	06/21/76	COMPASS	3.	3-428
CLSF.RM	114751	23	SL-SYSIO	06/21/76	COMPASS	3.	3-428
RTRT.SQ	114774	114	SL-SYSIO	06/21/76	COMPASS	3.	3-428
WEIX.SQ	115110	144	SL-SYSIO	06/21/76	COMPASS	3.	3-428
/SKFL.FO/	115254	7					
SKFL.SQ	115263	51	SL-SYSIO	06/21/76	COMPASS	3.	3-428
/PUT.FO/	115334	7					
PUT.SQ	115343	1403	SL-SYSIO	08/06/76	COMPASS	3.	3-428
SYS.RM	116746	37	SL-NUCLEUS	02/13/76	COMPASS	3.	2-414

PROCESS SYSTEM REQUEST.

2.399 CP SECONDS

131300B CH STORAGE USED

59 TABLE MOVES

APPENDIX B

Transformation Program Output Format

DATA CARD LAYOUT

CARD FORM NO. 9 TITLE Data Transformation FILE IDENT. Trans

PROGRAM TITLE Eastern Gas Shales Project

COMMENTS Id=D. Hooie, BCD Tape 3, RP=999.

☐ Input ☐ Output ☐ Punch ☐ Perm Fil.

1	2 Feet	3 % Primary	4 % Matrix	5 g/cc	6 %	7 %	8 API	9 cm ² /m	10 Milli v/m
18	18	18	18	18	18	18	18	18	18

DATE PREPARED 5/31/78 PREPARED BY D. Traul Hooie

DATE APPROVED _____ APPROVED BY _____

DATA CARD LAYOUT

CARD FORM NO. 9 Continued

TITLE Data Transformation

FILE
IDENT. G-6539-0001

PROGRAM TITLE Eastern Gas Shales Project

COMMENTS Page 2

☐ Input

☐ Output

☐ Punch ☐ Perm File

11 Ωm ² /m	12 Ωm ² /m	13 Ωm ² /m	14 Decimal Hours	15 Volume %	16 Volume %	17 Volume %	18 Volume %	19 Volume %	20 Volume %
18	18	18	18	18	18	18	18	18	18

DATE PREPARED _____

PREPARED BY _____

DATE APPROVED _____

APPROVED BY _____

DATA CARD LAYOUT

CARD FORM NO. 9 Continued TITLE Data Transformation FILE IDENT. G-6539-0001

PROGRAM TITLE Eastern Gas Shales Project

COMMENTS Page 3

☐ Input ☐ Output ☐ Punch ☐ Perm Fil

18	18	18	18	18	18	18	18	18	18
21 Volume %	22 Volume %	23 %	24 m2/g	25 Torr	26 %	27 gas/SHV	28 g/ce	29 %	30 g/kg

DATE PREPARED _____ PREPARED BY _____
DATE APPROVED _____ APPROVED BY _____

DATA CARD LAYOUT

CARD FORM NO. 9 Continued TITLE Data Transformation FILE IDENT. G-6539-0001

PROGRAM TITLE Eastern Gas Shales Project

COMMENTS Page 4

☐ Input ☐ Output ☐ Punch ☐ Perm Fi

2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78
I8		I8		I8		I8		I8		I8		I8		I8		I8		I8		I8		I8		I8		I8		I8		I8		I8		I8		I8		
31 cc/g		32 cc/g																																				

DATE PREPARED _____ PREPARED BY _____

DATE APPROVED _____ APPROVED BY _____

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APPENDIX C

Transformed Variables Used in the AID Analyses

VARIABLE% WELL CODE MAX% 11.000 MIN% 1.000 F% 6.300

SAMPLE ID	X	TRANS	INT
1. 2746.	1.000	0.000	0
1. 2755.	1.000	0.000	0
1. 2782.	1.000	0.000	0
1. 2787.	1.000	0.000	0
1. 2797.	1.000	0.000	0
1. 2802.	1.000	0.000	0
1. 2827.	1.000	0.000	0
1. 2832.	1.000	0.000	0
1. 2837.	1.000	0.000	0
1. 2842.	1.000	0.000	0
1. 2852.	1.000	0.000	0
1. 2897.	1.000	0.000	0
1. 2927.	1.000	0.000	0
1. 2937.	1.000	0.000	0
1. 2941.	1.000	0.000	0
1. 2947.	1.000	0.000	0
1. 2959.	1.000	0.000	0
1. 2964.	1.000	0.000	0
1. 2994.	1.000	0.000	0
1. 2999.	1.000	0.000	0
1. 3039.	1.000	0.000	0
1. 3064.	1.000	0.000	0
1. 3085.	1.000	0.000	0
1. 3090.	1.000	0.000	0
1. 3100.	1.000	0.000	0
1. 3181.	1.000	0.000	0
1. 3135.	1.000	0.000	0
1. 3140.	1.000	0.000	0
1. 3145.	1.000	0.000	0
1. 3150.	1.000	0.000	0
1. 3155.	1.000	0.000	0
1. 3165.	1.000	0.000	0
1. 3175.	1.000	0.000	0
1. 3180.	1.000	0.000	0
1. 3198.	1.000	0.000	0
1. 3218.	1.000	0.000	0
1. 3228.	1.000	0.000	0
1. 3229.	1.000	0.000	0
1. 3243.	1.000	0.000	0
1. 3248.	1.000	0.000	0
1. 3268.	1.000	0.000	0
1. 3276.	1.000	0.000	0
1. 3290.	1.000	0.000	0
1. 3310.	1.000	0.000	0
1. 3316.	1.000	0.000	0
1. 3326.	1.000	0.000	0
1. 3341.	1.000	0.000	0
1. 3346.	1.000	0.000	0
1. 3366.	1.000	0.000	0
1. 3381.	1.000	0.000	0

SAMPLE ID	X	TRANS	INT
1. 3396.	1.000	0.000	0
1. 3426.	1.000	0.000	0
1. 3467.	1.000	0.000	0
1. 3482.	1.000	0.000	0
1. 3583.	1.000	0.000	0
1. 3588.	1.000	0.000	0
1. 3543.	1.000	0.000	0
1. 3553.	1.000	0.000	0
1. 3573.	1.000	0.000	0
1. 3578.	1.000	0.000	0
1. 3588.	1.000	0.000	0
1. 3593.	1.000	0.000	0
1. 3606.	1.000	0.000	0
1. 3631.	1.000	0.000	0
1. 3636.	1.000	0.000	0
1. 3651.	1.000	0.000	0
1. 3701.	1.000	0.000	0
1. 3724.	1.000	0.000	0
1. 3748.	1.000	0.000	0
1. 3773.	1.000	0.000	0
1. 3782.	1.000	0.000	0
1. 3792.	1.000	0.000	0
1. 3797.	1.000	0.000	0
1. 3807.	1.000	0.000	0
1. 3818.	1.000	0.000	0
1. 3849.	1.000	0.000	0
1. 3859.	1.000	0.000	0
1. 3860.	1.000	0.000	0
1. 3869.	1.000	0.000	0
1. 3874.	1.000	0.000	0
1. 3888.	1.000	0.000	0
1. 3908.	1.000	0.000	0
1. 3925.	1.000	0.000	0
1. 3939.	1.000	0.000	0
1. 3998.	1.000	0.000	0
1. 4045.	1.000	0.000	0
2. 2655.	2.000	6.300	6
2. 2710.	2.000	6.300	6
2. 2761.	2.000	6.300	6
2. 3000.	2.000	6.300	6
2. 3025.	2.000	6.300	6
2. 3050.	2.000	6.300	6
2. 3101.	2.000	6.300	6
2. 3303.	2.000	6.300	6
2. 3328.	2.000	6.300	6
2. 3378.	2.000	6.300	6
2. 3428.	2.000	6.300	6
2. 3478.	2.000	6.300	6
2. 3528.	2.000	6.300	6
2. 3896.	2.000	6.300	6

SAMPLE ID	X	TRANS	INT
2. 3922.	2.000	6.300	6
2. 3961.	2.000	6.300	6
2. 3971.	2.000	6.300	6
3. 2434.	3.000	12.600	12
3. 2444.	3.000	12.600	12
3. 2454.	3.000	12.600	12
3. 2453.	3.000	12.600	12
3. 2464.	3.000	12.600	12
3. 2474.	3.000	12.600	12
3. 2494.	3.000	12.600	12
3. 2504.	3.000	12.600	12
3. 2514.	3.000	12.600	12
3. 2514.	3.000	12.600	12
3. 2524.	3.000	12.600	12
3. 2534.	3.000	12.600	12
3. 2545.	3.000	12.600	12
3. 2555.	3.000	12.600	12
3. 2565.	3.000	12.600	12
3. 2565.	3.000	12.600	12
3. 2575.	3.000	12.600	12
3. 2586.	3.000	12.600	12
3. 2588.	3.000	12.600	12
3. 2595.	3.000	12.600	12
3. 2607.	3.000	12.600	12
3. 2617.	3.000	12.600	12
3. 2617.	3.000	12.600	12
3. 2637.	3.000	12.600	12
3. 2646.	3.000	12.600	12
3. 2656.	3.000	12.600	12
3. 2666.	3.000	12.600	12
3. 2666.	3.000	12.600	12
3. 2676.	3.000	12.600	12
3. 2686.	3.000	12.600	12
3. 2686.	3.000	12.600	12
3. 2686.	3.000	12.600	12
3. 2696.	3.000	12.600	12
3. 2705.	3.000	12.600	12
3. 2715.	3.000	12.600	12
3. 2725.	3.000	12.600	12
3. 2725.	3.000	12.600	12
3. 2735.	3.000	12.600	12
3. 2745.	3.000	12.600	12
3. 2755.	3.000	12.600	12
3. 2763.	3.000	12.600	12
3. 2773.	3.000	12.600	12
3. 2784.	3.000	12.600	12
3. 2784.	3.000	12.600	12
3. 2793.	3.000	12.600	12
3. 2802.	3.000	12.600	12
3. 2814.	3.000	12.600	12
3. 2822.	3.000	12.600	12

SAMPLE ID	X	TRANS	INT
3. 2830.	3.000	12.600	12
3. 2842.	3.000	12.600	12
3. 2842.	3.000	12.600	12
3. 2852.	3.000	12.600	12
3. 2862.	3.000	12.600	12
3. 2872.	3.000	12.600	12
3. 2881.	3.000	12.600	12
3. 2891.	3.000	12.600	12
3. 2901.	3.000	12.600	12
3. 2901.	3.000	12.600	12
3. 2911.	3.000	12.600	12
3. 2921.	3.000	12.600	12
3. 2931.	3.000	12.600	12
3. 2940.	3.000	12.600	12
3. 2950.	3.000	12.600	12
3. 2960.	3.000	12.600	12
3. 2960.	3.000	12.600	12
3. 2970.	3.000	12.600	12
3. 2980.	3.000	12.600	12
3. 2990.	3.000	12.600	12
3. 2999.	3.000	12.600	12
3. 3009.	3.000	12.600	12
3. 3019.	3.000	12.600	12
3. 3019.	3.000	12.600	12
3. 3029.	3.000	12.600	12
3. 3038.	3.000	12.600	12
3. 3049.	3.000	12.600	12
3. 3054.	3.000	12.600	12
3. 3069.	3.000	12.600	12
3. 3069.	3.000	12.600	12
3. 3079.	3.000	12.600	12
3. 3089.	3.000	12.600	12
3. 3099.	3.000	12.600	12
3. 3107.	3.000	12.600	12
3. 3117.	3.000	12.600	12
3. 3127.	3.000	12.600	12
3. 3137.	3.000	12.600	12
3. 3137.	3.000	12.600	12
3. 3146.	3.000	12.600	12
3. 3157.	3.000	12.600	12
3. 3166.	3.000	12.600	12
3. 3176.	3.000	12.600	12
3. 3186.	3.000	12.600	12
3. 3186.	3.000	12.600	12
3. 3196.	3.000	12.600	12
3. 3196.	3.000	12.600	12
3. 3206.	3.000	12.600	12
3. 3216.	3.000	12.600	12
3. 3224.	3.000	12.600	12
3. 3234.	3.000	12.600	12

SAMPLE ID	X	TRANS	INT
3. 3244.	3.000	12.600	12
3. 3244.	3.000	12.600	12
3. 3254.	3.000	12.600	12
3. 3264.	3.000	12.600	12
3. 3274.	3.000	12.600	12
3. 3284.	3.000	12.600	12
3. 3294.	3.000	12.600	12
3. 3304.	3.000	12.600	12
3. 3304.	3.000	12.600	12
3. 3310.	3.000	12.600	12
3. 3315.	3.000	12.600	12
3. 3325.	3.000	12.600	12
3. 3335.	3.000	12.600	12
3. 3345.	3.000	12.600	12
3. 3345.	3.000	12.600	12
3. 3355.	3.000	12.600	12
3. 3365.	3.000	12.600	12
3. 3375.	3.000	12.600	12
3. 3384.	3.000	12.600	12
3. 3394.	3.000	12.600	12
3. 3404.	3.000	12.600	12
3. 3404.	3.000	12.600	12
4. 4872.	4.000	18.900	18
4. 4882.	4.000	18.900	18
4. 4892.	4.000	18.900	18
4. 4902.	4.000	18.900	18
4. 4912.	4.000	18.900	18
4. 4922.	4.000	18.900	18
4. 4930.	4.000	18.900	18
4. 4940.	4.000	18.900	18
4. 4950.	4.000	18.900	18
4. 4960.	4.000	18.900	18
4. 4970.	4.000	18.900	18
4. 4980.	4.000	18.900	18
4. 5212.	4.000	18.900	18
4. 5222.	4.000	18.900	18
4. 5232.	4.000	18.900	18
4. 5242.	4.000	18.900	18
4. 5253.	4.000	18.900	18
4. 5263.	4.000	18.900	18
4. 5273.	4.000	18.900	18
4. 5283.	4.000	18.900	18
4. 5293.	4.000	18.900	18
4. 5303.	4.000	18.900	18
4. 5312.	4.000	18.900	18
4. 5322.	4.000	18.900	18
4. 5332.	4.000	18.900	18
4. 5342.	4.000	18.900	18
4. 5347.	4.000	18.900	18
4. 5357.	4.000	18.900	18

SAMPLE ID	X	TRANS	INT
4. 5362.	4.000	18.900	18
4. 5372.	4.000	18.900	18
4. 5382.	4.000	18.900	18
4. 5394.	4.000	18.900	18
4. 5404.	4.000	18.900	18
4. 5414.	4.000	18.900	18
4. 5424.	4.000	18.900	18
4. 5434.	4.000	18.900	18
4. 5444.	4.000	18.900	18
4. 5447.	4.000	18.900	18
4. 5457.	4.000	18.900	18
4. 5467.	4.000	18.900	18
5. 321.	5.000	25.200	25
5. 331.	5.000	25.200	25
5. 341.	5.000	25.200	25
5. 344.	5.000	25.200	25
5. 354.	5.000	25.200	25
5. 365.	5.000	25.200	25
5. 372.	5.000	25.200	25
5. 382.	5.000	25.200	25
5. 392.	5.000	25.200	25
5. 401.	5.000	25.200	25
5. 411.	5.000	25.200	25
5. 421.	5.000	25.200	25
5. 431.	5.000	25.200	25
5. 441.	5.000	25.200	25
5. 451.	5.000	25.200	25
5. 458.	5.000	25.200	25
5. 468.	5.000	25.200	25
5. 478.	5.000	25.200	25
5. 485.	5.000	25.200	25
5. 495.	5.000	25.200	25
5. 505.	5.000	25.200	25
5. 515.	5.000	25.200	25
5. 525.	5.000	25.200	25
5. 537.	5.000	25.200	25
5. 547.	5.000	25.200	25
5. 557.	5.000	25.200	25
5. 564.	5.000	25.200	25
5. 574.	5.000	25.200	25
5. 584.	5.000	25.200	25
5. 592.	5.000	25.200	25
5. 602.	5.000	25.200	25
6. 927.	6.000	31.500	31
6. 937.	6.000	31.500	31
6. 947.	6.000	31.500	31
6. 951.	6.000	31.500	31
6. 961.	6.000	31.500	31
6. 971.	6.000	31.500	31
6. 980.	6.000	31.500	31

SAMPLE ID	X	TRANS	INT
6. 990.	6.000	31.500	31
6. 1000.	6.000	31.500	31
6. 1010.	6.000	31.500	31
6. 1020.	6.000	31.500	31
6. 1030.	6.000	31.500	31
6. 1040.	6.000	31.500	31
6. 1050.	6.000	31.500	31
6. 1060.	6.000	31.500	31
6. 1070.	6.000	31.500	31
6. 1080.	6.000	31.500	31
6. 1090.	6.000	31.500	31
6. 1100.	6.000	31.500	31
6. 1110.	6.000	31.500	31
6. 1120.	6.000	31.500	31
6. 1130.	6.000	31.500	31
6. 1140.	6.000	31.500	31
7. 2183.	7.000	37.800	37
7. 2191.	7.000	37.800	37
7. 2220.	7.000	37.800	37
7. 2230.	7.000	37.800	37
7. 2239.	7.000	37.800	37
7. 2251.	7.000	37.800	37
7. 2259.	7.000	37.800	37
7. 2271.	7.000	37.800	37
7. 2281.	7.000	37.800	37
7. 2290.	7.000	37.800	37
7. 2300.	7.000	37.800	37
7. 2310.	7.000	37.800	37
7. 2319.	7.000	37.800	37
8. 2495.	8.000	44.100	44
8. 2505.	8.000	44.100	44
8. 2515.	8.000	44.100	44
8. 2528.	8.000	44.100	44
8. 2536.	8.000	44.100	44
8. 2547.	8.000	44.100	44
8. 2554.	8.000	44.100	44
8. 2565.	8.000	44.100	44
8. 2575.	8.000	44.100	44
8. 2585.	8.000	44.100	44
8. 2595.	8.000	44.100	44
9. 3494.	9.000	50.400	50
9. 3506.	9.000	50.400	50
9. 3516.	9.000	50.400	50
9. 3526.	9.000	50.400	50
9. 3536.	9.000	50.400	50
9. 3545.	9.000	50.400	50
9. 3555.	9.000	50.400	50
9. 3564.	9.000	50.400	50
9. 3575.	9.000	50.400	50
9. 3585.	9.000	50.400	50

SAMPLE ID	X	TRANS	INT
9. 3593.	9.000	50.400	50
9. 3605.	9.000	50.400	50
9. 3606.	9.000	50.400	50
9. 3606.	9.000	50.400	50
9. 3616.	9.000	50.400	50
9. 3626.	9.000	50.400	50
9. 3634.	9.000	50.400	50
9. 3644.	9.000	50.400	50
9. 3644.	9.000	50.400	50
9. 3665.	9.000	50.400	50
9. 3675.	9.000	50.400	50
9. 3685.	9.000	50.400	50
9. 3695.	9.000	50.400	50
9. 3705.	9.000	50.400	50
9. 3711.	9.000	50.400	50
10. 2700.	10.000	56.700	56
10. 2710.	10.000	56.700	56
10. 2720.	10.000	56.700	56
10. 2730.	10.000	56.700	56
10. 2740.	10.000	56.700	56
10. 2750.	10.000	56.700	56
10. 2753.	10.000	56.700	56
10. 2763.	10.000	56.700	56
10. 2773.	10.000	56.700	56
10. 2783.	10.000	56.700	56
10. 2793.	10.000	56.700	56
10. 2803.	10.000	56.700	56
10. 2811.	10.000	56.700	56
10. 2821.	10.000	56.700	56
10. 2841.	10.000	56.700	56
10. 2851.	10.000	56.700	56
10. 2861.	10.000	56.700	56
10. 2869.	10.000	56.700	56
10. 2879.	10.000	56.700	56
10. 2889.	10.000	56.700	56
10. 2899.	10.000	56.700	56
10. 2909.	10.000	56.700	56
10. 2919.	10.000	56.700	56
10. 2927.	10.000	56.700	56
10. 2937.	10.000	56.700	56
10. 2947.	10.000	56.700	56
10. 2957.	10.000	56.700	56
10. 2967.	10.000	56.700	56
10. 2977.	10.000	56.700	56
10. 2985.	10.000	56.700	56
10. 2995.	10.000	56.700	56
10. 3005.	10.000	56.700	56
10. 3015.	10.000	56.700	56
10. 3025.	10.000	56.700	56

SAMPLE ID	X	TRANS	INT
10. 3035.	10.000	56.700	56
10. 3044.	10.000	56.700	56
10. 3054.	10.000	56.700	56
10. 3064.	10.000	56.700	56
10. 3074.	10.000	56.700	56
10. 3084.	10.000	56.700	56
10. 3094.	10.000	56.700	56
10. 3102.	10.000	56.700	56
10. 3112.	10.000	56.700	56
10. 3122.	10.000	56.700	56
10. 3132.	10.000	56.700	56
10. 3144.	10.000	56.700	56
10. 3152.	10.000	56.700	56
10. 3161.	10.000	56.700	56
10. 3171.	10.000	56.700	56
10. 3181.	10.000	56.700	56
10. 3191.	10.000	56.700	56
10. 3201.	10.000	56.700	56
10. 3211.	10.000	56.700	56
10. 3220.	10.000	56.700	56
10. 3230.	10.000	56.700	56
10. 3240.	10.000	56.700	56
10. 3253.	10.000	56.700	56
10. 3262.	10.000	56.700	56
10. 3272.	10.000	56.700	56
10. 3282.	10.000	56.700	56
10. 3292.	10.000	56.700	56
10. 3302.	10.000	56.700	56
10. 3311.	10.000	56.700	56
10. 3321.	10.000	56.700	56
10. 3331.	10.000	56.700	56
10. 3341.	10.000	56.700	56
10. 3351.	10.000	56.700	56
10. 3361.	10.000	56.700	56
10. 3369.	10.000	56.700	56
10. 3380.	10.000	56.700	56
10. 3389.	10.000	56.700	56
11. 3012.	11.000	63.000	63
11. 3022.	11.000	63.000	63
11. 3043.	11.000	63.000	63
11. 3051.	11.000	63.000	63
11. 3056.	11.000	63.000	63
11. 3063.	11.000	63.000	63
11. 3067.	11.000	63.000	63
11. 3074.	11.000	63.000	63
11. 3080.	11.000	63.000	63
11. 3080.	11.000	63.000	63
11. 3086.	11.000	63.000	63
11. 3094.	11.000	63.000	63
11. 3099.	11.000	63.000	63
11. 3106.	11.000	63.000	63

VARIABLE% DEPTH MAX% 5467.000 MIN% 321.000 F% .012

SAMPLE ID	X	TRANS	INT
1. 2746.	2746.000	29.688	29
1. 2755.	2755.000	29.798	29
1. 2782.	2782.000	30.129	30
1. 2787.	2787.000	30.190	30
1. 2797.	2797.000	30.312	30
1. 2802.	2802.000	30.374	30
1. 2827.	2827.000	30.680	30
1. 2832.	2832.000	30.741	30
1. 2837.	2837.000	30.802	30
1. 2842.	2842.000	30.863	30
1. 2852.	2852.000	30.986	30
1. 2897.	2897.000	31.537	31
1. 2927.	2927.000	31.904	31
1. 2937.	2937.000	32.026	32
1. 2941.	2941.000	32.075	32
1. 2947.	2947.000	32.149	32
1. 2959.	2959.000	32.296	32
1. 2964.	2964.000	32.357	32
1. 2994.	2994.000	32.724	32
1. 2999.	2999.000	32.785	32
1. 3039.	3039.000	33.275	33
1. 3064.	3064.000	33.581	33
1. 3085.	3085.000	33.838	33
1. 3090.	3090.000	33.900	33
1. 3100.	3100.000	34.022	34
1. 3181.	3181.000	35.014	35
1. 3135.	3135.000	34.450	34
1. 3140.	3140.000	34.512	34
1. 3145.	3145.000	34.573	34
1. 3150.	3150.000	34.634	34
1. 3155.	3155.000	34.695	34
1. 3165.	3165.000	34.818	34
1. 3175.	3175.000	34.940	34
1. 3180.	3180.000	35.001	35
1. 3198.	3198.000	35.222	35
1. 3218.	3218.000	35.467	35
1. 3228.	3228.000	35.589	35
1. 3229.	3229.000	35.601	35
1. 3243.	3243.000	35.773	35
1. 3248.	3248.000	35.834	35
1. 3268.	3268.000	36.079	36
1. 3276.	3276.000	36.177	36
1. 3290.	3290.000	36.348	36
1. 3310.	3310.000	36.593	36
1. 3316.	3316.000	36.666	36
1. 3326.	3326.000	36.789	36
1. 3341.	3341.000	36.972	36
1. 3346.	3346.000	37.034	37
1. 3366.	3366.000	37.278	37
1. 3381.	3381.000	37.462	37

SAMPLE ID	X	TRANS	INT
1. 3396.	3396.000	37.646	37
1. 3426.	3426.000	38.013	38
1. 3467.	3467.000	38.515	38
1. 3482.	3482.000	38.699	38
1. 3583.	3583.000	39.935	39
1. 3588.	3588.000	39.996	40
1. 3543.	3543.000	39.445	39
1. 3553.	3553.000	39.568	39
1. 3573.	3573.000	39.813	39
1. 3578.	3578.000	39.874	39
1. 3588.	3588.000	39.996	40
1. 3593.	3593.000	40.058	40
1. 3606.	3606.000	40.217	40
1. 3631.	3631.000	40.523	40
1. 3636.	3636.000	40.584	40
1. 3651.	3651.000	40.768	40
1. 3701.	3701.000	41.380	41
1. 3724.	3724.000	41.661	41
1. 3748.	3748.000	41.955	41
1. 3773.	3773.000	42.261	42
1. 3782.	3782.000	42.371	42
1. 3792.	3792.000	42.494	42
1. 3797.	3797.000	42.555	42
1. 3807.	3807.000	42.677	42
1. 3818.	3818.000	42.812	42
1. 3849.	3849.000	43.192	43
1. 3859.	3859.000	43.314	43
1. 3860.	3860.000	43.326	43
1. 3869.	3869.000	43.436	43
1. 3874.	3874.000	43.498	43
1. 3888.	3888.000	43.669	43
1. 3908.	3908.000	43.914	43
1. 3925.	3925.000	44.122	44
1. 3939.	3939.000	44.293	44
1. 3998.	3998.000	45.016	45
1. 4045.	4045.000	45.591	45
2. 2655.	2655.000	28.574	28
2. 2710.	2710.000	29.247	29
2. 2761.	2761.000	29.872	29
2. 3000.	3000.000	32.798	32
2. 3025.	3025.000	33.104	33
2. 3050.	3050.000	33.410	33
2. 3101.	3101.000	34.034	34
2. 3303.	3303.000	36.507	36
2. 3328.	3328.000	36.813	36
2. 3378.	3378.000	37.425	37
2. 3428.	3428.000	38.038	38
2. 3478.	3478.000	38.650	38
2. 3528.	3528.000	39.262	39
2. 3896.	3896.000	43.767	43

SAMPLE ID		X	TRANS	INT
2.	3922.	3922.000	44.085	44
2.	3961.	3961.000	44.563	44
2.	3971.	3971.000	44.685	44
3.	2434.	2434.000	25.868	25
3.	2444.	2444.000	25.991	25
3.	2454.	2454.000	26.113	26
3.	2463.	2463.000	26.223	26
3.	2464.	2464.000	26.236	26
3.	2474.	2474.000	26.358	26
3.	2494.	2494.000	26.603	26
3.	2504.	2504.000	26.725	26
3.	2514.	2514.000	26.848	26
3.	2514.	2514.000	26.848	26
3.	2524.	2524.000	26.970	26
3.	2534.	2534.000	27.093	27
3.	2545.	2545.000	27.227	27
3.	2555.	2555.000	27.350	27
3.	2565.	2565.000	27.472	27
3.	2565.	2565.000	27.472	27
3.	2575.	2575.000	27.595	27
3.	2586.	2586.000	27.729	27
3.	2588.	2588.000	27.754	27
3.	2595.	2595.000	27.839	27
3.	2607.	2607.000	27.986	27
3.	2617.	2617.000	28.109	28
3.	2617.	2617.000	28.109	28
3.	2637.	2637.000	28.354	28
3.	2646.	2646.000	28.464	28
3.	2656.	2656.000	28.586	28
3.	2666.	2666.000	28.709	28
3.	2666.	2666.000	28.709	28
3.	2676.	2676.000	28.831	28
3.	2686.	2686.000	28.954	28
3.	2686.	2686.000	28.954	28
3.	2696.	2696.000	29.076	29
3.	2705.	2705.000	29.186	29
3.	2715.	2715.000	29.309	29
3.	2725.	2725.000	29.431	29
3.	2725.	2725.000	29.431	29
3.	2735.	2735.000	29.553	29
3.	2745.	2745.000	29.676	29
3.	2755.	2755.000	29.798	29
3.	2763.	2763.000	29.896	29
3.	2773.	2773.000	30.019	30
3.	2784.	2784.000	30.153	30
3.	2784.	2784.000	30.153	30
3.	2793.	2793.000	30.264	30
3.	2802.	2802.000	30.374	30
3.	2814.	2814.000	30.521	30
3.	2822.	2822.000	30.619	30

SAMPLE ID	X	TRANS	INT
3. 2830.	2830.000	30.716	30
3. 2842.	2842.000	30.863	30
3. 2842.	2842.000	30.863	30
3. 2852.	2852.000	30.986	30
3. 2862.	2862.000	31.108	31
3. 2872.	2872.000	31.231	31
3. 2881.	2881.000	31.341	31
3. 2891.	2891.000	31.463	31
3. 2901.	2901.000	31.586	31
3. 2901.	2901.000	31.586	31
3. 2911.	2911.000	31.708	31
3. 2921.	2921.000	31.831	31
3. 2931.	2931.000	31.953	31
3. 2940.	2940.000	32.063	32
3. 2950.	2950.000	32.186	32
3. 2960.	2960.000	32.308	32
3. 2960.	2960.000	32.308	32
3. 2970.	2970.000	32.430	32
3. 2980.	2980.000	32.553	32
3. 2990.	2990.000	32.675	32
3. 2999.	2999.000	32.785	32
3. 3009.	3009.000	32.908	32
3. 3019.	3019.000	33.030	33
3. 3019.	3019.000	33.030	33
3. 3029.	3029.000	33.153	33
3. 3038.	3038.000	33.263	33
3. 3049.	3049.000	33.398	33
3. 3054.	3054.000	33.459	33
3. 3069.	3069.000	33.642	33
3. 3069.	3069.000	33.642	33
3. 3079.	3079.000	33.765	33
3. 3089.	3089.000	33.887	33
3. 3099.	3099.000	34.010	34
3. 3107.	3107.000	34.108	34
3. 3117.	3117.000	34.230	34
3. 3127.	3127.000	34.353	34
3. 3137.	3137.000	34.475	34
3. 3137.	3137.000	34.475	34
3. 3146.	3146.000	34.585	34
3. 3157.	3157.000	34.720	34
3. 3166.	3166.000	34.830	34
3. 3176.	3176.000	34.952	34
3. 3186.	3186.000	35.075	35
3. 3186.	3186.000	35.075	35
3. 3196.	3196.000	35.197	35
3. 3196.	3196.000	35.197	35
3. 3206.	3206.000	35.320	35
3. 3216.	3216.000	35.442	35
3. 3224.	3224.000	35.540	35
3. 3234.	3234.000	35.662	35

SAMPLE ID		X	TRANS	INT
3.	3244.	3244.000	35.785	35
3.	3244.	3244.000	35.785	35
3.	3254.	3254.000	35.907	35
3.	3264.	3264.000	36.030	36
3.	3274.	3274.000	36.152	36
3.	3284.	3284.000	36.275	36
3.	3294.	3294.000	36.397	36
3.	3304.	3304.000	36.519	36
3.	3304.	3304.000	36.519	36
3.	3310.	3310.000	36.593	36
3.	3315.	3315.000	36.654	36
3.	3325.	3325.000	36.777	36
3.	3335.	3335.000	36.899	36
3.	3345.	3345.000	37.021	37
3.	3345.	3345.000	37.021	37
3.	3355.	3355.000	37.144	37
3.	3365.	3365.000	37.266	37
3.	3375.	3375.000	37.389	37
3.	3384.	3384.000	37.499	37
3.	3394.	3394.000	37.621	37
3.	3404.	3404.000	37.744	37
3.	3404.	3404.000	37.744	37
4.	4872.	4872.000	55.716	55
4.	4882.	4882.000	55.838	55
4.	4892.	4892.000	55.961	55
4.	4902.	4902.000	56.083	56
4.	4912.	4912.000	56.205	56
4.	4922.	4922.000	56.328	56
4.	4930.	4930.000	56.426	56
4.	4940.	4940.000	56.548	56
4.	4950.	4950.000	56.671	56
4.	4960.	4960.000	56.793	56
4.	4970.	4970.000	56.915	56
4.	4980.	4980.000	57.038	57
4.	5212.	5212.000	59.878	59
4.	5222.	5222.000	60.001	60
4.	5232.	5232.000	60.123	60
4.	5242.	5242.000	60.245	60
4.	5253.	5253.000	60.380	60
4.	5263.	5263.000	60.503	60
4.	5273.	5273.000	60.625	60
4.	5283.	5283.000	60.747	60
4.	5293.	5293.000	60.870	60
4.	5303.	5303.000	60.992	60
4.	5312.	5312.000	61.102	61
4.	5322.	5322.000	61.225	61
4.	5332.	5332.000	61.347	61
4.	5342.	5342.000	61.470	61
4.	5347.	5347.000	61.531	61
4.	5357.	5357.000	61.653	61

SAMPLE ID		X	TRANS	INT
4.	5362.	5362.000	61.715	61
4.	5372.	5372.000	61.837	61
4.	5382.	5382.000	61.959	61
4.	5394.	5394.000	62.106	62
4.	5404.	5404.000	62.229	62
4.	5414.	5414.000	62.351	62
4.	5424.	5424.000	62.474	62
4.	5434.	5434.000	62.596	62
4.	5444.	5444.000	62.718	62
4.	5447.	5447.000	62.755	62
4.	5457.	5457.000	62.878	62
4.	5467.	5467.000	63.000	63
5.	321.	321.000	0.000	0
5.	331.	331.000	.122	0
5.	341.	341.000	.245	0
5.	344.	344.000	.282	0
5.	354.	354.000	.404	0
5.	365.	365.000	.539	0
5.	372.	372.000	.624	0
5.	382.	382.000	.747	0
5.	392.	392.000	.869	0
5.	401.	401.000	.979	0
5.	411.	411.000	1.102	1
5.	421.	421.000	1.224	1
5.	431.	431.000	1.347	1
5.	441.	441.000	1.469	1
5.	451.	451.000	1.592	1
5.	458.	458.000	1.677	1
5.	468.	468.000	1.800	1
5.	478.	478.000	1.922	1
5.	485.	485.000	2.008	2
5.	495.	495.000	2.130	2
5.	505.	505.000	2.253	2
5.	515.	515.000	2.375	2
5.	525.	525.000	2.497	2
5.	537.	537.000	2.644	2
5.	547.	547.000	2.767	2
5.	557.	557.000	2.889	2
5.	564.	564.000	2.975	2
5.	574.	574.000	3.097	3
5.	584.	584.000	3.220	3
5.	592.	592.000	3.318	3
5.	602.	602.000	3.440	3
6.	927.	927.000	7.419	7
6.	937.	937.000	7.541	7
6.	947.	947.000	7.664	7
6.	951.	951.000	7.713	7
6.	961.	961.000	7.835	7
6.	971.	971.000	7.958	7
6.	980.	980.000	8.068	8

SAMPLE ID	X	TRANS	INT
6. 990.	990.000	8.190	8
6. 1000.	1000.000	8.313	8
6. 1010.	1010.000	8.435	8
6. 1020.	1020.000	8.558	8
6. 1030.	1030.000	8.680	8
6. 1040.	1040.000	8.802	8
6. 1050.	1050.000	8.925	8
6. 1060.	1060.000	9.047	9
6. 1070.	1070.000	9.170	9
6. 1080.	1080.000	9.292	9
6. 1090.	1090.000	9.414	9
6. 1100.	1100.000	9.537	9
6. 1110.	1110.000	9.659	9
6. 1120.	1120.000	9.782	9
6. 1130.	1130.000	9.904	9
6. 1140.	1140.000	10.027	10
7. 2183.	2183.000	22.796	22
7. 2191.	2191.000	22.894	22
7. 2220.	2220.000	23.249	23
7. 2230.	2230.000	23.371	23
7. 2239.	2239.000	23.481	23
7. 2251.	2251.000	23.628	23
7. 2259.	2259.000	23.726	23
7. 2271.	2271.000	23.873	23
7. 2281.	2281.000	23.995	24
7. 2290.	2290.000	24.106	24
7. 2300.	2300.000	24.228	24
7. 2310.	2310.000	24.350	24
7. 2319.	2319.000	24.461	24
8. 2495.	2495.000	26.615	26
8. 2505.	2505.000	26.738	26
8. 2515.	2515.000	26.860	26
8. 2528.	2528.000	27.019	27
8. 2536.	2536.000	27.117	27
8. 2547.	2547.000	27.252	27
8. 2554.	2554.000	27.338	27
8. 2565.	2565.000	27.472	27
8. 2575.	2575.000	27.595	27
8. 2585.	2585.000	27.717	27
8. 2595.	2595.000	27.839	27
9. 3494.	3494.000	38.846	38
9. 3506.	3506.000	38.992	38
9. 3516.	3516.000	39.115	39
9. 3526.	3526.000	39.237	39
9. 3536.	3536.000	39.360	39
9. 3545.	3545.000	39.470	39
9. 3555.	3555.000	39.592	39
9. 3564.	3564.000	39.702	39
9. 3575.	3575.000	39.837	39
9. 3585.	3585.000	39.960	39

SAMPLE ID	X	TRANS	INT
9. 3593.	3593.000	40.058	40
9. 3605.	3605.000	40.204	40
9. 3606.	3606.000	40.217	40
9. 3606.	3606.000	40.217	40
9. 3616.	3616.000	40.339	40
9. 3626.	3626.000	40.462	40
9. 3634.	3634.000	40.559	40
9. 3644.	3644.000	40.682	40
9. 3644.	3644.000	40.682	40
9. 3665.	3665.000	40.939	40
9. 3675.	3675.000	41.061	41
9. 3685.	3685.000	41.184	41
9. 3695.	3695.000	41.306	41
9. 3705.	3705.000	41.429	41
9. 3711.	3711.000	41.502	41
10. 2700.	2700.000	29.125	29
10. 2710.	2710.000	29.247	29
10. 2720.	2720.000	29.370	29
10. 2730.	2730.000	29.492	29
10. 2740.	2740.000	29.615	29
10. 2750.	2750.000	29.737	29
10. 2753.	2753.000	29.774	29
10. 2763.	2763.000	29.896	29
10. 2773.	2773.000	30.019	30
10. 2783.	2783.000	30.141	30
10. 2793.	2793.000	30.264	30
10. 2803.	2803.000	30.386	30
10. 2811.	2811.000	30.484	30
10. 2821.	2821.000	30.606	30
10. 2841.	2841.000	30.851	30
10. 2851.	2851.000	30.974	30
10. 2861.	2861.000	31.096	31
10. 2869.	2869.000	31.194	31
10. 2879.	2879.000	31.316	31
10. 2889.	2889.000	31.439	31
10. 2899.	2899.000	31.561	31
10. 2909.	2909.000	31.684	31
10. 2919.	2919.000	31.806	31
10. 2927.	2927.000	31.904	31
10. 2937.	2937.000	32.026	32
10. 2947.	2947.000	32.149	32
10. 2957.	2957.000	32.271	32
10. 2967.	2967.000	32.394	32
10. 2977.	2977.000	32.516	32
10. 2985.	2985.000	32.614	32
10. 2995.	2995.000	32.736	32
10. 3005.	3005.000	32.859	32
10. 3015.	3015.000	32.981	32
10. 3025.	3025.000	33.104	33

SAMPLE ID		X	TRANS	INT
10.	3035.	3035.000	33.226	33
10.	3044.	3044.000	33.336	33
10.	3054.	3054.000	33.459	33
10.	3064.	3064.000	33.581	33
10.	3074.	3074.000	33.704	33
10.	3084.	3084.000	33.826	33
10.	3094.	3094.000	33.949	33
10.	3102.	3102.000	34.046	34
10.	3112.	3112.000	34.169	34
10.	3122.	3122.000	34.291	34
10.	3132.	3132.000	34.414	34
10.	3144.	3144.000	34.561	34
10.	3152.	3152.000	34.659	34
10.	3161.	3161.000	34.769	34
10.	3171.	3171.000	34.891	34
10.	3181.	3181.000	35.014	35
10.	3191.	3191.000	35.136	35
10.	3201.	3201.000	35.258	35
10.	3211.	3211.000	35.381	35
10.	3220.	3220.000	35.491	35
10.	3230.	3230.000	35.613	35
10.	3240.	3240.000	35.736	35
10.	3253.	3253.000	35.895	35
10.	3262.	3262.000	36.005	36
10.	3272.	3272.000	36.128	36
10.	3282.	3282.000	36.250	36
10.	3292.	3292.000	36.373	36
10.	3302.	3302.000	36.495	36
10.	3311.	3311.000	36.605	36
10.	3321.	3321.000	36.728	36
10.	3331.	3331.000	36.850	36
10.	3341.	3341.000	36.972	36
10.	3351.	3351.000	37.095	37
10.	3361.	3361.000	37.217	37
10.	3369.	3369.000	37.315	37
10.	3380.	3380.000	37.450	37
10.	3389.	3389.000	37.560	37
11.	3012.	3012.000	32.945	32
11.	3022.	3022.000	33.067	33
11.	3043.	3043.000	33.324	33
11.	3051.	3051.000	33.422	33
11.	3056.	3056.000	33.483	33
11.	3063.	3063.000	33.569	33
11.	3067.	3067.000	33.618	33
11.	3074.	3074.000	33.704	33
11.	3080.	3080.000	33.777	33
11.	3080.	3080.000	33.777	33
11.	3086.	3086.000	33.851	33
11.	3094.	3094.000	33.949	33
11.	3099.	3099.000	34.010	34
11.	3106.	3106.000	34.095	34

VARIABLE% CMF NUT PR MAX% 25.000 MIN% 0.000 F% 2.520

SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	-99.000	-99.000	-98
1. 2782.	-99.000	-99.000	-98
1. 2787.	-99.000	-99.000	-98
1. 2797.	-99.000	-99.000	-98
1. 2802.	-99.000	-99.000	-98
1. 2827.	-99.000	-99.000	-98
1. 2832.	-99.000	-99.000	-98
1. 2837.	-99.000	-99.000	-98
1. 2842.	-99.000	-99.000	-98
1. 2852.	-99.000	-99.000	-98
1. 2897.	-99.000	-99.000	-98
1. 2927.	-99.000	-99.000	-98
1. 2937.	-99.000	-99.000	-98
1. 2941.	-99.000	-99.000	-98
1. 2947.	-99.000	-99.000	-98
1. 2959.	-99.000	-99.000	-98
1. 2964.	-99.000	-99.000	-98
1. 2994.	-99.000	-99.000	-98
1. 2999.	-99.000	-99.000	-98
1. 3039.	-99.000	-99.000	-98
1. 3064.	-99.000	-99.000	-98
1. 3085.	-99.000	-99.000	-98
1. 3090.	-99.000	-99.000	-98
1. 3100.	-99.000	-99.000	-98
1. 3181.	-99.000	-99.000	-98
1. 3135.	-99.000	-99.000	-98
1. 3140.	-99.000	-99.000	-98
1. 3145.	-99.000	-99.000	-98
1. 3150.	-99.000	-99.000	-98
1. 3155.	-99.000	-99.000	-98
1. 3165.	-99.000	-99.000	-98
1. 3175.	-99.000	-99.000	-98
1. 3180.	-99.000	-99.000	-98
1. 3198.	-99.000	-99.000	-98
1. 3218.	-99.000	-99.000	-98
1. 3228.	-99.000	-99.000	-98
1. 3229.	-99.000	-99.000	-98
1. 3243.	-99.000	-99.000	-98
1. 3248.	-99.000	-99.000	-98
1. 3268.	-99.000	-99.000	-98
1. 3276.	-99.000	-99.000	-98
1. 3290.	-99.000	-99.000	-98
1. 3310.	-99.000	-99.000	-98
1. 3316.	-99.000	-99.000	-98
1. 3326.	-99.000	-99.000	-98
1. 3341.	-99.000	-99.000	-98
1. 3346.	-99.000	-99.000	-98
1. 3366.	-99.000	-99.000	-98
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	-99.000	-99.000	-98
1. 3426.	-99.000	-99.000	-98
1. 3467.	-99.000	-99.000	-98
1. 3482.	-99.000	-99.000	-98
1. 3583.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3543.	-99.000	-99.000	-98
1. 3553.	-99.000	-99.000	-98
1. 3573.	-99.000	-99.000	-98
1. 3578.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3593.	-99.000	-99.000	-98
1. 3606.	-99.000	-99.000	-98
1. 3631.	-99.000	-99.000	-98
1. 3636.	-99.000	-99.000	-98
1. 3651.	-99.000	-99.000	-98
1. 3701.	-99.000	-99.000	-98
1. 3724.	-99.000	-99.000	-98
1. 3748.	-99.000	-99.000	-98
1. 3773.	-99.000	-99.000	-98
1. 3782.	-99.000	-99.000	-98
1. 3792.	-99.000	-99.000	-98
1. 3797.	-99.000	-99.000	-98
1. 3807.	-99.000	-99.000	-98
1. 3818.	-99.000	-99.000	-98
1. 3849.	-99.000	-99.000	-98
1. 3859.	-99.000	-99.000	-98
1. 3860.	-99.000	-99.000	-98
1. 3869.	-99.000	-99.000	-98
1. 3874.	-99.000	-99.000	-98
1. 3888.	-99.000	-99.000	-98
1. 3908.	-99.000	-99.000	-98
1. 3925.	-99.000	-99.000	-98
1. 3939.	-99.000	-99.000	-98
1. 3998.	-99.000	-99.000	-98
1. 4045.	-99.000	-99.000	-98
2. 2655.	1.000	2.520	2
2. 2710.	.200	.504	0
2. 2761.	2.000	5.040	5
2. 3000.	3.000	7.560	7
2. 3025.	2.000	5.040	5
2. 3050.	4.000	10.080	10
2. 3101.	2.500	6.300	6
2. 3303.	0.000	0.000	0
2. 3328.	0.000	0.000	0
2. 3378.	12.000	30.240	30
2. 3428.	13.000	32.760	32
2. 3478.	3.000	7.560	7
2. 3528.	10.000	25.200	25
2. 3896.	3.000	7.560	7

SAMPLE ID	X	TRANS	INT
2. 3922.	7.000	17.640	17
2. 3961.	17.000	42.840	42
2. 3971.	11.000	27.720	27
3. 2434.	-99.000	-99.000	-98
3. 2444.	-99.000	-99.000	-98
3. 2454.	-99.000	-99.000	-98
3. 2463.	-99.000	-99.000	-98
3. 2464.	-99.000	-99.000	-98
3. 2474.	-99.000	-99.000	-98
3. 2494.	-99.000	-99.000	-98
3. 2504.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2524.	-99.000	-99.000	-98
3. 2534.	-99.000	-99.000	-98
3. 2545.	-99.000	-99.000	-98
3. 2555.	-99.000	-99.000	-98
3. 2565.	-99.000	-99.000	-98
3. 2565.	-99.000	-99.000	-98
3. 2575.	-99.000	-99.000	-98
3. 2586.	-99.000	-99.000	-98
3. 2588.	-99.000	-99.000	-98
3. 2595.	-99.000	-99.000	-98
3. 2607.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
3. 2637.	-99.000	-99.000	-98
3. 2646.	-99.000	-99.000	-98
3. 2656.	-99.000	-99.000	-98
3. 2666.	-99.000	-99.000	-98
3. 2666.	-99.000	-99.000	-98
3. 2676.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2696.	-99.000	-99.000	-98
3. 2705.	-99.000	-99.000	-98
3. 2715.	-99.000	-99.000	-98
3. 2725.	-99.000	-99.000	-98
3. 2725.	-99.000	-99.000	-98
3. 2735.	-99.000	-99.000	-98
3. 2745.	-99.000	-99.000	-98
3. 2755.	-99.000	-99.000	-98
3. 2763.	-99.000	-99.000	-98
3. 2773.	-99.000	-99.000	-98
3. 2784.	-99.000	-99.000	-98
3. 2784.	-99.000	-99.000	-98
3. 2793.	-99.000	-99.000	-98
3. 2802.	-99.000	-99.000	-98
3. 2814.	-99.000	-99.000	-98
3. 2822.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 2830.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2852.	-99.000	-99.000	-98
3. 2862.	-99.000	-99.000	-98
3. 2872.	-99.000	-99.000	-98
3. 2881.	-99.000	-99.000	-98
3. 2891.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2911.	-99.000	-99.000	-98
3. 2921.	-99.000	-99.000	-98
3. 2931.	-99.000	-99.000	-98
3. 2940.	-99.000	-99.000	-98
3. 2950.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2970.	-99.000	-99.000	-98
3. 2980.	-99.000	-99.000	-98
3. 2990.	-99.000	-99.000	-98
3. 2999.	-99.000	-99.000	-98
3. 3009.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3029.	-99.000	-99.000	-98
3. 3038.	-99.000	-99.000	-98
3. 3049.	-99.000	-99.000	-98
3. 3054.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3079.	-99.000	-99.000	-98
3. 3089.	-99.000	-99.000	-98
3. 3099.	-99.000	-99.000	-98
3. 3107.	-99.000	-99.000	-98
3. 3117.	-99.000	-99.000	-98
3. 3127.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3146.	-99.000	-99.000	-98
3. 3157.	-99.000	-99.000	-98
3. 3166.	-99.000	-99.000	-98
3. 3176.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3206.	-99.000	-99.000	-98
3. 3216.	-99.000	-99.000	-98
3. 3224.	-99.000	-99.000	-98
3. 3234.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 3244.	-99.000	-99.000	-98
3. 3244.	-99.000	-99.000	-98
3. 3254.	-99.000	-99.000	-98
3. 3264.	-99.000	-99.000	-98
3. 3274.	-99.000	-99.000	-98
3. 3284.	-99.000	-99.000	-98
3. 3294.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3310.	-99.000	-99.000	-98
3. 3315.	-99.000	-99.000	-98
3. 3325.	-99.000	-99.000	-98
3. 3335.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3355.	-99.000	-99.000	-98
3. 3365.	-99.000	-99.000	-98
3. 3375.	-99.000	-99.000	-98
3. 3384.	-99.000	-99.000	-98
3. 3394.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
4. 4872.	-99.000	-99.000	-98
4. 4882.	-99.000	-99.000	-98
4. 4892.	-99.000	-99.000	-98
4. 4902.	-99.000	-99.000	-98
4. 4912.	-99.000	-99.000	-98
4. 4922.	-99.000	-99.000	-98
4. 4930.	-99.000	-99.000	-98
4. 4940.	-99.000	-99.000	-98
4. 4950.	-99.000	-99.000	-98
4. 4960.	-99.000	-99.000	-98
4. 4970.	-99.000	-99.000	-98
4. 4980.	-99.000	-99.000	-98
4. 5212.	-99.000	-99.000	-98
4. 5222.	-99.000	-99.000	-98
4. 5232.	-99.000	-99.000	-98
4. 5242.	-99.000	-99.000	-98
4. 5253.	-99.000	-99.000	-98
4. 5263.	-99.000	-99.000	-98
4. 5273.	-99.000	-99.000	-98
4. 5283.	-99.000	-99.000	-98
4. 5293.	-99.000	-99.000	-98
4. 5303.	-99.000	-99.000	-98
4. 5312.	-99.000	-99.000	-98
4. 5322.	-99.000	-99.000	-98
4. 5332.	-99.000	-99.000	-98
4. 5342.	-99.000	-99.000	-98
4. 5347.	-99.000	-99.000	-98
4. 5357.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
4. 5362.	-99.000	-99.000	-98
4. 5372.	-99.000	-99.000	-98
4. 5382.	-99.000	-99.000	-98
4. 5394.	-99.000	-99.000	-98
4. 5404.	-99.000	-99.000	-98
4. 5414.	-99.000	-99.000	-98
4. 5424.	-99.000	-99.000	-98
4. 5434.	-99.000	-99.000	-98
4. 5444.	-99.000	-99.000	-98
4. 5447.	-99.000	-99.000	-98
4. 5457.	-99.000	-99.000	-98
4. 5467.	-99.000	-99.000	-98
5. 321.	-99.000	-99.000	-98
5. 331.	-99.000	-99.000	-98
5. 341.	-99.000	-99.000	-98
5. 344.	-99.000	-99.000	-98
5. 354.	-99.000	-99.000	-98
5. 365.	-99.000	-99.000	-98
5. 372.	-99.000	-99.000	-98
5. 382.	-99.000	-99.000	-98
5. 392.	-99.000	-99.000	-98
5. 401.	-99.000	-99.000	-98
5. 411.	-99.000	-99.000	-98
5. 421.	-99.000	-99.000	-98
5. 431.	-99.000	-99.000	-98
5. 441.	-99.000	-99.000	-98
5. 451.	-99.000	-99.000	-98
5. 458.	-99.000	-99.000	-98
5. 468.	-99.000	-99.000	-98
5. 478.	-99.000	-99.000	-98
5. 485.	-99.000	-99.000	-98
5. 495.	-99.000	-99.000	-98
5. 505.	-99.000	-99.000	-98
5. 515.	-99.000	-99.000	-98
5. 525.	-99.000	-99.000	-98
5. 537.	-99.000	-99.000	-98
5. 547.	-99.000	-99.000	-98
5. 557.	-99.000	-99.000	-98
5. 564.	-99.000	-99.000	-98
5. 574.	-99.000	-99.000	-98
5. 584.	-99.000	-99.000	-98
5. 592.	-99.000	-99.000	-98
5. 602.	-99.000	-99.000	-98
6. 927.	-99.000	-99.000	-98
6. 937.	-99.000	-99.000	-98
6. 947.	-99.000	-99.000	-98
6. 951.	-99.000	-99.000	-98
6. 961.	-99.000	-99.000	-98
6. 971.	-99.000	-99.000	-98
6. 980.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
6. 990.	-99.000	-99.000	-98
6. 1000.	-99.000	-99.000	-98
6. 1010.	-99.000	-99.000	-98
6. 1020.	-99.000	-99.000	-98
6. 1030.	-99.000	-99.000	-98
6. 1040.	-99.000	-99.000	-98
6. 1050.	-99.000	-99.000	-98
6. 1060.	-99.000	-99.000	-98
6. 1070.	-99.000	-99.000	-98
6. 1080.	-99.000	-99.000	-98
6. 1090.	-99.000	-99.000	-98
6. 1100.	-99.000	-99.000	-98
6. 1110.	-99.000	-99.000	-98
6. 1120.	-99.000	-99.000	-98
6. 1130.	-99.000	-99.000	-98
6. 1140.	-99.000	-99.000	-98
7. 2183.	25.000	63.000	63
7. 2191.	24.000	60.480	60
7. 2220.	12.000	30.240	30
7. 2230.	17.000	42.840	42
7. 2239.	4.000	10.080	10
7. 2251.	8.000	20.160	20
7. 2259.	9.000	22.680	22
7. 2271.	11.000	27.720	27
7. 2271.	15.000	37.800	37
7. 2290.	12.000	30.240	30
7. 2300.	15.000	37.800	37
7. 2310.	13.000	32.760	32
7. 2319.	15.000	37.800	37
8. 2495.	-99.000	-99.000	-98
8. 2505.	-99.000	-99.000	-98
8. 2515.	-99.000	-99.000	-98
8. 2528.	-99.000	-99.000	-98
8. 2536.	-99.000	-99.000	-98
8. 2547.	-99.000	-99.000	-98
8. 2554.	-99.000	-99.000	-98
8. 2565.	-99.000	-99.000	-98
8. 2575.	-99.000	-99.000	-98
8. 2585.	-99.000	-99.000	-98
8. 2595.	-99.000	-99.000	-98
9. 3494.	-99.000	-99.000	-98
9. 3506.	-99.000	-99.000	-98
9. 3516.	-99.000	-99.000	-98
9. 3526.	-99.000	-99.000	-98
9. 3536.	-99.000	-99.000	-98
9. 3545.	-99.000	-99.000	-98
9. 3555.	-99.000	-99.000	-98
9. 3564.	-99.000	-99.000	-98
9. 3575.	-99.000	-99.000	-98
9. 3585.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
9. 3593.	-99.000	-99.000	-98
9. 3605.	-99.000	-99.000	-98
9. 3606.	-99.000	-99.000	-98
9. 3606.	-99.000	-99.000	-98
9. 3616.	-99.000	-99.000	-98
9. 3626.	-99.000	-99.000	-98
9. 3634.	-99.000	-99.000	-98
9. 3644.	-99.000	-99.000	-98
9. 3644.	-99.000	-99.000	-98
9. 3665.	-99.000	-99.000	-98
9. 3675.	-99.000	-99.000	-98
9. 3685.	-99.000	-99.000	-98
9. 3695.	-99.000	-99.000	-98
9. 3705.	-99.000	-99.000	-98
9. 3711.	-99.000	-99.000	-98
10. 2700.	-99.000	-99.000	-98
10. 2710.	-99.000	-99.000	-98
10. 2720.	-99.000	-99.000	-98
10. 2730.	-99.000	-99.000	-98
10. 2740.	-99.000	-99.000	-98
10. 2750.	-99.000	-99.000	-98
10. 2753.	-99.000	-99.000	-98
10. 2763.	-99.000	-99.000	-98
10. 2773.	-99.000	-99.000	-98
10. 2783.	-99.000	-99.000	-98
10. 2793.	-99.000	-99.000	-98
10. 2803.	-99.000	-99.000	-98
10. 2811.	-99.000	-99.000	-98
10. 2821.	-99.000	-99.000	-98
10. 2841.	-99.000	-99.000	-98
10. 2851.	-99.000	-99.000	-98
10. 2861.	-99.000	-99.000	-98
10. 2869.	-99.000	-99.000	-98
10. 2879.	-99.000	-99.000	-98
10. 2889.	-99.000	-99.000	-98
10. 2899.	-99.000	-99.000	-98
10. 2909.	-99.000	-99.000	-98
10. 2919.	-99.000	-99.000	-98
10. 2927.	-99.000	-99.000	-98
10. 2937.	-99.000	-99.000	-98
10. 2947.	-99.000	-99.000	-98
10. 2957.	-99.000	-99.000	-98
10. 2967.	-99.000	-99.000	-98
10. 2977.	-99.000	-99.000	-98
10. 2985.	-99.000	-99.000	-98
10. 2995.	-99.000	-99.000	-98
10. 3005.	-99.000	-99.000	-98
10. 3015.	-99.000	-99.000	-98
10. 3025.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS
10. 3035.	-99.000	-99.000
10. 3044.	-99.000	-99.000
10. 3054.	-99.000	-99.000
10. 3064.	-99.000	-99.000
10. 3074.	-99.000	-99.000
10. 3084.	-99.000	-99.000
10. 3094.	-99.000	-99.000
10. 3102.	-99.000	-99.000
10. 3112.	-99.000	-99.000
10. 3122.	-99.000	-99.000
10. 3132.	-99.000	-99.000
10. 3144.	-99.000	-99.000
10. 3152.	-99.000	-99.000
10. 3161.	-99.000	-99.000
10. 3171.	-99.000	-99.000
10. 3181.	-99.000	-99.000
10. 3191.	-99.000	-99.000
10. 3201.	-99.000	-99.000
10. 3211.	-99.000	-99.000
10. 3220.	-99.000	-99.000
10. 3230.	-99.000	-99.000
10. 3240.	-99.000	-99.000
10. 3253.	-99.000	-99.000
10. 3262.	-99.000	-99.000
10. 3272.	-99.000	-99.000
10. 3282.	-99.000	-99.000
10. 3292.	-99.000	-99.000
10. 3302.	-99.000	-99.000
10. 3311.	-99.000	-99.000
10. 3321.	-99.000	-99.000
10. 3331.	-99.000	-99.000
10. 3341.	-99.000	-99.000
10. 3351.	-99.000	-99.000
10. 3361.	-99.000	-99.000
10. 3369.	-99.000	-99.000
10. 3380.	-99.000	-99.000
10. 3389.	-99.000	-99.000
11. 3012.	-99.000	-99.000
11. 3022.	-99.000	-99.000
11. 3043.	-99.000	-99.000
11. 3051.	-99.000	-99.000
11. 3056.	-99.000	-99.000
11. 3063.	-99.000	-99.000
11. 3067.	-99.000	-99.000
11. 3074.	-99.000	-99.000
11. 3080.	-99.000	-99.000
11. 3080.	-99.000	-99.000
11. 3086.	-99.000	-99.000
11. 3094.	-99.000	-99.000
11. 3099.	-99.000	-99.000
11. 3106.	-99.000	-99.000

VARIABLE% NEUT POROS MAX% 35.000 MIN% 20.000 F% 4.200

SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	-99.000	-99.000	-98
1. 2782.	-99.000	-99.000	-98
1. 2787.	-99.000	-99.000	-98
1. 2797.	-99.000	-99.000	-98
1. 2802.	-99.000	-99.000	-98
1. 2827.	-99.000	-99.000	-98
1. 2832.	-99.000	-99.000	-98
1. 2837.	-99.000	-99.000	-98
1. 2842.	-99.000	-99.000	-98
1. 2852.	-99.000	-99.000	-98
1. 2897.	-99.000	-99.000	-98
1. 2927.	-99.000	-99.000	-98
1. 2937.	-99.000	-99.000	-98
1. 2941.	-99.000	-99.000	-98
1. 2947.	-99.000	-99.000	-98
1. 2959.	-99.000	-99.000	-98
1. 2964.	-99.000	-99.000	-98
1. 2994.	-99.000	-99.000	-98
1. 2999.	-99.000	-99.000	-98
1. 3039.	-99.000	-99.000	-98
1. 3064.	-99.000	-99.000	-98
1. 3085.	-99.000	-99.000	-98
1. 3090.	-99.000	-99.000	-98
1. 3100.	-99.000	-99.000	-98
1. 3181.	-99.000	-99.000	-98
1. 3135.	-99.000	-99.000	-98
1. 3140.	-99.000	-99.000	-98
1. 3145.	-99.000	-99.000	-98
1. 3150.	-99.000	-99.000	-98
1. 3155.	-99.000	-99.000	-98
1. 3165.	-99.000	-99.000	-98
1. 3175.	-99.000	-99.000	-98
1. 3180.	-99.000	-99.000	-98
1. 3198.	-99.000	-99.000	-98
1. 3218.	-99.000	-99.000	-98
1. 3228.	-99.000	-99.000	-98
1. 3229.	-99.000	-99.000	-98
1. 3243.	-99.000	-99.000	-98
1. 3248.	-99.000	-99.000	-98
1. 3268.	-99.000	-99.000	-98
1. 3276.	-99.000	-99.000	-98
1. 3290.	-99.000	-99.000	-98
1. 3310.	-99.000	-99.000	-98
1. 3316.	-99.000	-99.000	-98
1. 3326.	-99.000	-99.000	-98
1. 3341.	-99.000	-99.000	-98
1. 3346.	-99.000	-99.000	-98
1. 3366.	-99.000	-99.000	-98
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	-99.000	-99.000	-98
1. 3426.	-99.000	-99.000	-98
1. 3467.	-99.000	-99.000	-98
1. 3482.	-99.000	-99.000	-98
1. 3583.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3543.	-99.000	-99.000	-98
1. 3553.	-99.000	-99.000	-98
1. 3573.	-99.000	-99.000	-98
1. 3578.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3593.	-99.000	-99.000	-98
1. 3606.	-99.000	-99.000	-98
1. 3631.	-99.000	-99.000	-98
1. 3636.	-99.000	-99.000	-98
1. 3651.	-99.000	-99.000	-98
1. 3701.	-99.000	-99.000	-98
1. 3724.	-99.000	-99.000	-98
1. 3748.	-99.000	-99.000	-98
1. 3773.	-99.000	-99.000	-98
1. 3782.	-99.000	-99.000	-98
1. 3792.	-99.000	-99.000	-98
1. 3797.	-99.000	-99.000	-98
1. 3807.	-99.000	-99.000	-98
1. 3818.	-99.000	-99.000	-98
1. 3849.	-99.000	-99.000	-98
1. 3859.	-99.000	-99.000	-98
1. 3860.	-99.000	-99.000	-98
1. 3869.	-99.000	-99.000	-98
1. 3874.	-99.000	-99.000	-98
1. 3888.	-99.000	-99.000	-98
1. 3908.	-99.000	-99.000	-98
1. 3925.	-99.000	-99.000	-98
1. 3939.	-99.000	-99.000	-98
1. 3998.	-99.000	-99.000	-98
1. 4045.	-99.000	-99.000	-98
2. 2655.	21.000	4.200	4
2. 2710.	20.000	0.000	0
2. 2761.	20.000	0.000	0
2. 3000.	25.000	21.000	21
2. 3025.	26.300	26.460	26
2. 3050.	27.000	29.400	29
2. 3101.	28.500	35.700	35
2. 3303.	27.000	29.400	29
2. 3328.	26.000	25.200	25
2. 3378.	30.000	42.000	42
2. 3428.	29.000	37.800	37
2. 3478.	26.500	27.300	27
2. 3528.	28.000	33.600	33
2. 3896.	30.000	42.000	42

SAMPLE ID		X	TRANS	INT
2.	3922.	30.000	42.000	42
2.	3961.	30.000	42.000	42
2.	3971.	28.000	33.600	33
3.	2434.	-99.000	-99.000	-98
3.	2444.	-99.000	-99.000	-98
3.	2454.	-99.000	-99.000	-98
3.	2463.	-99.000	-99.000	-98
3.	2464.	-99.000	-99.000	-98
3.	2474.	-99.000	-99.000	-98
3.	2494.	-99.000	-99.000	-98
3.	2504.	-99.000	-99.000	-98
3.	2514.	-99.000	-99.000	-98
3.	2514.	-99.000	-99.000	-98
3.	2524.	-99.000	-99.000	-98
3.	2534.	-99.000	-99.000	-98
3.	2545.	-99.000	-99.000	-98
3.	2555.	-99.000	-99.000	-98
3.	2565.	-99.000	-99.000	-98
3.	2565.	-99.000	-99.000	-98
3.	2575.	-99.000	-99.000	-98
3.	2586.	-99.000	-99.000	-98
3.	2588.	-99.000	-99.000	-98
3.	2595.	-99.000	-99.000	-98
3.	2607.	-99.000	-99.000	-98
3.	2617.	-99.000	-99.000	-98
3.	2617.	-99.000	-99.000	-98
3.	2637.	-99.000	-99.000	-98
3.	2646.	-99.000	-99.000	-98
3.	2656.	-99.000	-99.000	-98
3.	2666.	-99.000	-99.000	-98
3.	2666.	-99.000	-99.000	-98
3.	2676.	-99.000	-99.000	-98
3.	2686.	-99.000	-99.000	-98
3.	2686.	-99.000	-99.000	-98
3.	2696.	-99.000	-99.000	-98
3.	2705.	-99.000	-99.000	-98
3.	2715.	-99.000	-99.000	-98
3.	2725.	-99.000	-99.000	-98
3.	2725.	-99.000	-99.000	-98
3.	2735.	-99.000	-99.000	-98
3.	2745.	-99.000	-99.000	-98
3.	2755.	-99.000	-99.000	-98
3.	2763.	-99.000	-99.000	-98
3.	2773.	-99.000	-99.000	-98
3.	2784.	-99.000	-99.000	-98
3.	2784.	-99.000	-99.000	-98
3.	2793.	-99.000	-99.000	-98
3.	2802.	-99.000	-99.000	-98
3.	2814.	-99.000	-99.000	-98
3.	2822.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 2830.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2852.	-99.000	-99.000	-98
3. 2862.	-99.000	-99.000	-98
3. 2872.	-99.000	-99.000	-98
3. 2881.	-99.000	-99.000	-98
3. 2891.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2911.	-99.000	-99.000	-98
3. 2921.	-99.000	-99.000	-98
3. 2931.	-99.000	-99.000	-98
3. 2940.	-99.000	-99.000	-98
3. 2950.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2970.	-99.000	-99.000	-98
3. 2980.	-99.000	-99.000	-98
3. 2990.	-99.000	-99.000	-98
3. 2999.	-99.000	-99.000	-98
3. 3009.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3029.	-99.000	-99.000	-98
3. 3038.	-99.000	-99.000	-98
3. 3049.	-99.000	-99.000	-98
3. 3054.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3079.	-99.000	-99.000	-98
3. 3089.	-99.000	-99.000	-98
3. 3099.	-99.000	-99.000	-98
3. 3107.	-99.000	-99.000	-98
3. 3117.	-99.000	-99.000	-98
3. 3127.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3146.	-99.000	-99.000	-98
3. 3157.	-99.000	-99.000	-98
3. 3166.	-99.000	-99.000	-98
3. 3176.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3206.	-99.000	-99.000	-98
3. 3216.	-99.000	-99.000	-98
3. 3224.	-99.000	-99.000	-98
3. 3234.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 3244.	-99.000	-99.000	-98
3. 3244.	-99.000	-99.000	-98
3. 3254.	-99.000	-99.000	-98
3. 3264.	-99.000	-99.000	-98
3. 3274.	-99.000	-99.000	-98
3. 3284.	-99.000	-99.000	-98
3. 3294.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3310.	-99.000	-99.000	-98
3. 3315.	-99.000	-99.000	-98
3. 3325.	-99.000	-99.000	-98
3. 3335.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3355.	-99.000	-99.000	-98
3. 3365.	-99.000	-99.000	-98
3. 3375.	-99.000	-99.000	-98
3. 3384.	-99.000	-99.000	-98
3. 3394.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
4. 4872.	-99.000	-99.000	-98
4. 4882.	-99.000	-99.000	-98
4. 4892.	-99.000	-99.000	-98
4. 4902.	-99.000	-99.000	-98
4. 4912.	-99.000	-99.000	-98
4. 4922.	-99.000	-99.000	-98
4. 4930.	-99.000	-99.000	-98
4. 4940.	-99.000	-99.000	-98
4. 4950.	-99.000	-99.000	-98
4. 4960.	-99.000	-99.000	-98
4. 4970.	-99.000	-99.000	-98
4. 4980.	-99.000	-99.000	-98
4. 5212.	-99.000	-99.000	-98
4. 5222.	-99.000	-99.000	-98
4. 5232.	-99.000	-99.000	-98
4. 5242.	-99.000	-99.000	-98
4. 5253.	-99.000	-99.000	-98
4. 5263.	-99.000	-99.000	-98
4. 5273.	-99.000	-99.000	-98
4. 5283.	-99.000	-99.000	-98
4. 5293.	-99.000	-99.000	-98
4. 5303.	-99.000	-99.000	-98
4. 5312.	-99.000	-99.000	-98
4. 5322.	-99.000	-99.000	-98
4. 5332.	-99.000	-99.000	-98
4. 5342.	-99.000	-99.000	-98
4. 5347.	-99.000	-99.000	-98
4. 5357.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
4. 5362.	-99.000	-99.000	-98
4. 5372.	-99.000	-99.000	-98
4. 5382.	-99.000	-99.000	-98
4. 5394.	-99.000	-99.000	-98
4. 5404.	-99.000	-99.000	-98
4. 5414.	-99.000	-99.000	-98
4. 5424.	-99.000	-99.000	-98
4. 5434.	-99.000	-99.000	-98
4. 5444.	-99.000	-99.000	-98
4. 5447.	-99.000	-99.000	-98
4. 5457.	-99.000	-99.000	-98
4. 5467.	-99.000	-99.000	-98
5. 321.	-99.000	-99.000	-98
5. 331.	-99.000	-99.000	-98
5. 341.	-99.000	-99.000	-98
5. 344.	-99.000	-99.000	-98
5. 354.	-99.000	-99.000	-98
5. 365.	-99.000	-99.000	-98
5. 372.	-99.000	-99.000	-98
5. 382.	-99.000	-99.000	-98
5. 392.	-99.000	-99.000	-98
5. 401.	-99.000	-99.000	-98
5. 411.	-99.000	-99.000	-98
5. 421.	-99.000	-99.000	-98
5. 431.	-99.000	-99.000	-98
5. 441.	-99.000	-99.000	-98
5. 451.	-99.000	-99.000	-98
5. 458.	-99.000	-99.000	-98
5. 468.	-99.000	-99.000	-98
5. 478.	-99.000	-99.000	-98
5. 485.	-99.000	-99.000	-98
5. 495.	-99.000	-99.000	-98
5. 505.	-99.000	-99.000	-98
5. 515.	-99.000	-99.000	-98
5. 525.	-99.000	-99.000	-98
5. 537.	-99.000	-99.000	-98
5. 547.	-99.000	-99.000	-98
5. 557.	-99.000	-99.000	-98
5. 564.	-99.000	-99.000	-98
5. 574.	-99.000	-99.000	-98
5. 584.	-99.000	-99.000	-98
5. 592.	-99.000	-99.000	-98
5. 602.	-99.000	-99.000	-98
6. 927.	-99.000	-99.000	-98
6. 937.	-99.000	-99.000	-98
6. 947.	-99.000	-99.000	-98
6. 951.	-99.000	-99.000	-98
6. 961.	-99.000	-99.000	-98
6. 971.	-99.000	-99.000	-98
6. 980.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
6. 990.	-99.000	-99.000	-98
6. 1000.	-99.000	-99.000	-98
6. 1010.	-99.000	-99.000	-98
6. 1020.	-99.000	-99.000	-98
6. 1030.	-99.000	-99.000	-98
6. 1040.	-99.000	-99.000	-98
6. 1050.	-99.000	-99.000	-98
6. 1060.	-99.000	-99.000	-98
6. 1070.	-99.000	-99.000	-98
6. 1080.	-99.000	-99.000	-98
6. 1090.	-99.000	-99.000	-98
6. 1100.	-99.000	-99.000	-98
6. 1110.	-99.000	-99.000	-98
6. 1120.	-99.000	-99.000	-98
6. 1130.	-99.000	-99.000	-98
6. 1140.	-99.000	-99.000	-98
7. 2183.	35.000	63.000	63
7. 2191.	35.000	63.000	63
7. 2220.	27.000	29.400	29
7. 2230.	30.000	42.000	42
7. 2239.	22.000	8.400	8
7. 2251.	28.000	33.600	33
7. 2259.	25.000	21.000	21
7. 2271.	26.000	25.200	25
7. 2281.	35.000	63.000	63
7. 2290.	27.000	29.400	29
7. 2300.	35.000	63.000	63
7. 2310.	26.000	25.200	25
7. 2319.	27.000	29.400	29
8. 2495.	-99.000	-99.000	-98
8. 2505.	-99.000	-99.000	-98
8. 2515.	-99.000	-99.000	-98
8. 2528.	-99.000	-99.000	-98
8. 2536.	-99.000	-99.000	-98
8. 2547.	-99.000	-99.000	-98
8. 2554.	-99.000	-99.000	-98
8. 2565.	-99.000	-99.000	-98
8. 2575.	-99.000	-99.000	-98
8. 2585.	-99.000	-99.000	-98
8. 2595.	-99.000	-99.000	-98
9. 3494.	-99.000	-99.000	-98
9. 3506.	-99.000	-99.000	-98
9. 3516.	-99.000	-99.000	-98
9. 3526.	-99.000	-99.000	-98
9. 3536.	-99.000	-99.000	-98
9. 3545.	-99.000	-99.000	-98
9. 3555.	-99.000	-99.000	-98
9. 3564.	-99.000	-99.000	-98
9. 3575.	-99.000	-99.000	-98
9. 3585.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
9. 3593.	-99.000	-99.000	-98
9. 3605.	-99.000	-99.000	-98
9. 3606.	-99.000	-99.000	-98
9. 3606.	-99.000	-99.000	-98
9. 3616.	-99.000	-99.000	-98
9. 3626.	-99.000	-99.000	-98
9. 3634.	-99.000	-99.000	-98
9. 3644.	-99.000	-99.000	-98
9. 3644.	-99.000	-99.000	-98
9. 3665.	-99.000	-99.000	-98
9. 3675.	-99.000	-99.000	-98
9. 3685.	-99.000	-99.000	-98
9. 3695.	-99.000	-99.000	-98
9. 3705.	-99.000	-99.000	-98
9. 3711.	-99.000	-99.000	-98
10. 2700.	-99.000	-99.000	-98
10. 2710.	-99.000	-99.000	-98
10. 2720.	-99.000	-99.000	-98
10. 2730.	-99.000	-99.000	-98
10. 2740.	-99.000	-99.000	-98
10. 2750.	-99.000	-99.000	-98
10. 2753.	-99.000	-99.000	-98
10. 2763.	-99.000	-99.000	-98
10. 2773.	-99.000	-99.000	-98
10. 2783.	-99.000	-99.000	-98
10. 2793.	-99.000	-99.000	-98
10. 2803.	-99.000	-99.000	-98
10. 2811.	-99.000	-99.000	-98
10. 2821.	-99.000	-99.000	-98
10. 2841.	-99.000	-99.000	-98
10. 2851.	-99.000	-99.000	-98
10. 2861.	-99.000	-99.000	-98
10. 2869.	-99.000	-99.000	-98
10. 2879.	-99.000	-99.000	-98
10. 2889.	-99.000	-99.000	-98
10. 2899.	-99.000	-99.000	-98
10. 2909.	-99.000	-99.000	-98
10. 2919.	-99.000	-99.000	-98
10. 2927.	-99.000	-99.000	-98
10. 2937.	-99.000	-99.000	-98
10. 2947.	-99.000	-99.000	-98
10. 2957.	-99.000	-99.000	-98
10. 2967.	-99.000	-99.000	-98
10. 2977.	-99.000	-99.000	-98
10. 2985.	-99.000	-99.000	-98
10. 2995.	-99.000	-99.000	-98
10. 3005.	-99.000	-99.000	-98
10. 3015.	-99.000	-99.000	-98
10. 3025.	-99.000	-99.000	-98

SAMPLE ID		X	TRANS	INT
10.	3035.	-99.000	-99.000	-98
10.	3044.	-99.000	-99.000	-98
10.	3054.	-99.000	-99.000	-98
10.	3064.	-99.000	-99.000	-98
10.	3074.	-99.000	-99.000	-98
10.	3084.	-99.000	-99.000	-98
10.	3094.	-99.000	-99.000	-98
10.	3102.	-99.000	-99.000	-98
10.	3112.	-99.000	-99.000	-98
10.	3122.	-99.000	-99.000	-98
10.	3132.	-99.000	-99.000	-98
10.	3144.	-99.000	-99.000	-98
10.	3152.	-99.000	-99.000	-98
10.	3161.	-99.000	-99.000	-98
10.	3171.	-99.000	-99.000	-98
10.	3181.	-99.000	-99.000	-98
10.	3191.	-99.000	-99.000	-98
10.	3201.	-99.000	-99.000	-98
10.	3211.	-99.000	-99.000	-98
10.	3220.	-99.000	-99.000	-98
10.	3230.	-99.000	-99.000	-98
10.	3240.	-99.000	-99.000	-98
10.	3253.	-99.000	-99.000	-98
10.	3262.	-99.000	-99.000	-98
10.	3272.	-99.000	-99.000	-98
10.	3282.	-99.000	-99.000	-98
10.	3292.	-99.000	-99.000	-98
10.	3302.	-99.000	-99.000	-98
10.	3311.	-99.000	-99.000	-98
10.	3321.	-99.000	-99.000	-98
10.	3331.	-99.000	-99.000	-98
10.	3341.	-99.000	-99.000	-98
10.	3351.	-99.000	-99.000	-98
10.	3361.	-99.000	-99.000	-98
10.	3369.	-99.000	-99.000	-98
10.	3380.	-99.000	-99.000	-98
10.	3389.	-99.000	-99.000	-98
11.	3012.	-99.000	-99.000	-98
11.	3022.	-99.000	-99.000	-98
11.	3043.	-99.000	-99.000	-98
11.	3051.	-99.000	-99.000	-98
11.	3056.	-99.000	-99.000	-98
11.	3063.	-99.000	-99.000	-98
11.	3067.	-99.000	-99.000	-98
11.	3074.	-99.000	-99.000	-98
11.	3080.	-99.000	-99.000	-98
11.	3080.	-99.000	-99.000	-98
11.	3086.	-99.000	-99.000	-98
11.	3094.	-99.000	-99.000	-98
11.	3099.	-99.000	-99.000	-98
11.	3106.	-99.000	-99.000	-98

VARIABLE% BULK DNSTY MAX% 2.930 MIN% 1.575 F% 46.494

SAMPLE IO	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	-99.000	-99.000	-98
1. 2782.	-99.000	-99.000	-98
1. 2787.	-99.000	-99.000	-98
1. 2797.	-99.000	-99.000	-98
1. 2802.	-99.000	-99.000	-98
1. 2827.	-99.000	-99.000	-98
1. 2832.	-99.000	-99.000	-98
1. 2837.	-99.000	-99.000	-98
1. 2842.	-99.000	-99.000	-98
1. 2852.	-99.000	-99.000	-98
1. 2897.	-99.000	-99.000	-98
1. 2927.	-99.000	-99.000	-98
1. 2937.	-99.000	-99.000	-98
1. 2941.	-99.000	-99.000	-98
1. 2947.	-99.000	-99.000	-98
1. 2959.	-99.000	-99.000	-98
1. 2964.	-99.000	-99.000	-98
1. 2994.	-99.000	-99.000	-98
1. 2999.	-99.000	-99.000	-98
1. 3039.	-99.000	-99.000	-98
1. 3064.	-99.000	-99.000	-98
1. 3085.	-99.000	-99.000	-98
1. 3090.	-99.000	-99.000	-98
1. 3100.	-99.000	-99.000	-98
1. 3181.	-99.000	-99.000	-98
1. 3135.	-99.000	-99.000	-98
1. 3140.	-99.000	-99.000	-98
1. 3145.	-99.000	-99.000	-98
1. 3150.	-99.000	-99.000	-98
1. 3155.	-99.000	-99.000	-98
1. 3165.	-99.000	-99.000	-98
1. 3175.	-99.000	-99.000	-98
1. 3180.	-99.000	-99.000	-98
1. 3198.	-99.000	-99.000	-98
1. 3218.	-99.000	-99.000	-98
1. 3228.	-99.000	-99.000	-98
1. 3229.	-99.000	-99.000	-98
1. 3243.	-99.000	-99.000	-98
1. 3248.	-99.000	-99.000	-98
1. 3268.	-99.000	-99.000	-98
1. 3276.	-99.000	-99.000	-98
1. 3290.	-99.000	-99.000	-98
1. 3310.	-99.000	-99.000	-98
1. 3316.	-99.000	-99.000	-98
1. 3326.	-99.000	-99.000	-98
1. 3341.	-99.000	-99.000	-98
1. 3346.	-99.000	-99.000	-98
1. 3366.	-99.000	-99.000	-98
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	-99.000	-99.000	-98
1. 3426.	-99.000	-99.000	-98
1. 3467.	-99.000	-99.000	-98
1. 3482.	-99.000	-99.000	-98
1. 3583.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3543.	-99.000	-99.000	-98
1. 3553.	-99.000	-99.000	-98
1. 3573.	-99.000	-99.000	-98
1. 3578.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3593.	-99.000	-99.000	-98
1. 3606.	-99.000	-99.000	-98
1. 3631.	-99.000	-99.000	-98
1. 3636.	-99.000	-99.000	-98
1. 3651.	-99.000	-99.000	-98
1. 3701.	-99.000	-99.000	-98
1. 3724.	-99.000	-99.000	-98
1. 3748.	-99.000	-99.000	-98
1. 3773.	-99.000	-99.000	-98
1. 3782.	-99.000	-99.000	-98
1. 3792.	-99.000	-99.000	-98
1. 3797.	-99.000	-99.000	-98
1. 3807.	-99.000	-99.000	-98
1. 3818.	-99.000	-99.000	-98
1. 3849.	-99.000	-99.000	-98
1. 3859.	-99.000	-99.000	-98
1. 3860.	-99.000	-99.000	-98
1. 3869.	-99.000	-99.000	-98
1. 3874.	-99.000	-99.000	-98
1. 3888.	-99.000	-99.000	-98
1. 3908.	-99.000	-99.000	-98
1. 3925.	-99.000	-99.000	-98
1. 3939.	-99.000	-99.000	-98
1. 3998.	-99.000	-99.000	-98
1. 4045.	-99.000	-99.000	-98
2. 2655.	-99.000	-99.000	-98
2. 2710.	-99.000	-99.000	-98
2. 2761.	-99.000	-99.000	-98
2. 3000.	2.734	53.887	53
2. 3025.	-99.000	-99.000	-98
2. 3050.	2.750	54.631	54
2. 3101.	2.730	53.701	53
2. 3303.	2.730	53.701	53
2. 3328.	2.730	53.701	53
2. 3378.	2.880	60.675	60
2. 3428.	2.830	58.351	58
2. 3478.	2.780	56.026	56
2. 3528.	2.820	57.886	57
2. 3896.	2.750	54.631	54

SAMPLE ID		X	TRANS	INT
2.	3922.	2.800	56.956	56
2.	3961.	2.930	63.000	63
2.	3971.	2.820	57.886	57
3.	2434.	-99.000	-99.000	-98
3.	2444.	-99.000	-99.000	-98
3.	2454.	-99.000	-99.000	-98
3.	2463.	-99.000	-99.000	-98
3.	2464.	-99.000	-99.000	-98
3.	2474.	-99.000	-99.000	-98
3.	2494.	-99.000	-99.000	-98
3.	2504.	-99.000	-99.000	-98
3.	2514.	-99.000	-99.000	-98
3.	2514.	-99.000	-99.000	-98
3.	2524.	-99.000	-99.000	-98
3.	2534.	-99.000	-99.000	-98
3.	2545.	-99.000	-99.000	-98
3.	2555.	-99.000	-99.000	-98
3.	2565.	-99.000	-99.000	-98
3.	2565.	-99.000	-99.000	-98
3.	2575.	-99.000	-99.000	-98
3.	2586.	-99.000	-99.000	-98
3.	2588.	-99.000	-99.000	-98
3.	2595.	-99.000	-99.000	-98
3.	2607.	-99.000	-99.000	-98
3.	2617.	-99.000	-99.000	-98
3.	2617.	-99.000	-99.000	-98
3.	2637.	-99.000	-99.000	-98
3.	2646.	-99.000	-99.000	-98
3.	2656.	-99.000	-99.000	-98
3.	2666.	-99.000	-99.000	-98
3.	2666.	-99.000	-99.000	-98
3.	2676.	-99.000	-99.000	-98
3.	2686.	-99.000	-99.000	-98
3.	2686.	-99.000	-99.000	-98
3.	2696.	-99.000	-99.000	-98
3.	2705.	-99.000	-99.000	-98
3.	2715.	-99.000	-99.000	-98
3.	2725.	-99.000	-99.000	-98
3.	2725.	-99.000	-99.000	-98
3.	2735.	-99.000	-99.000	-98
3.	2745.	-99.000	-99.000	-98
3.	2755.	-99.000	-99.000	-98
3.	2763.	-99.000	-99.000	-98
3.	2773.	-99.000	-99.000	-98
3.	2784.	-99.000	-99.000	-98
3.	2784.	-99.000	-99.000	-98
3.	2793.	-99.000	-99.000	-98
3.	2802.	-99.000	-99.000	-98
3.	2814.	-99.000	-99.000	-98
3.	2822.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 2830.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2852.	-99.000	-99.000	-98
3. 2862.	-99.000	-99.000	-98
3. 2872.	-99.000	-99.000	-98
3. 2881.	-99.000	-99.000	-98
3. 2891.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2911.	-99.000	-99.000	-98
3. 2921.	-99.000	-99.000	-98
3. 2931.	-99.000	-99.000	-98
3. 2940.	-99.000	-99.000	-98
3. 2950.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2970.	-99.000	-99.000	-98
3. 2980.	-99.000	-99.000	-98
3. 2990.	-99.000	-99.000	-98
3. 2999.	-99.000	-99.000	-98
3. 3009.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3029.	-99.000	-99.000	-98
3. 3038.	-99.000	-99.000	-98
3. 3049.	-99.000	-99.000	-98
3. 3054.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3079.	-99.000	-99.000	-98
3. 3089.	-99.000	-99.000	-98
3. 3099.	-99.000	-99.000	-98
3. 3107.	-99.000	-99.000	-98
3. 3117.	-99.000	-99.000	-98
3. 3127.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3146.	-99.000	-99.000	-98
3. 3157.	-99.000	-99.000	-98
3. 3166.	-99.000	-99.000	-98
3. 3176.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3206.	-99.000	-99.000	-98
3. 3216.	-99.000	-99.000	-98
3. 3224.	-99.000	-99.000	-98
3. 3234.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 3244.	-99.000	-99.000	-98
3. 3244.	-99.000	-99.000	-98
3. 3254.	-99.000	-99.000	-98
3. 3264.	-99.000	-99.000	-98
3. 3274.	-99.000	-99.000	-98
3. 3284.	-99.000	-99.000	-98
3. 3294.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3310.	-99.000	-99.000	-98
3. 3315.	-99.000	-99.000	-98
3. 3325.	-99.000	-99.000	-98
3. 3335.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3355.	-99.000	-99.000	-98
3. 3365.	-99.000	-99.000	-98
3. 3375.	-99.000	-99.000	-98
3. 3384.	-99.000	-99.000	-98
3. 3394.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
4. 4872.	-99.000	-99.000	-98
4. 4882.	-99.000	-99.000	-98
4. 4892.	-99.000	-99.000	-98
4. 4902.	-99.000	-99.000	-98
4. 4912.	-99.000	-99.000	-98
4. 4922.	-99.000	-99.000	-98
4. 4930.	-99.000	-99.000	-98
4. 4940.	-99.000	-99.000	-98
4. 4950.	-99.000	-99.000	-98
4. 4960.	-99.000	-99.000	-98
4. 4970.	-99.000	-99.000	-98
4. 4980.	-99.000	-99.000	-98
4. 5212.	-99.000	-99.000	-98
4. 5222.	-99.000	-99.000	-98
4. 5232.	-99.000	-99.000	-98
4. 5242.	-99.000	-99.000	-98
4. 5253.	-99.000	-99.000	-98
4. 5263.	-99.000	-99.000	-98
4. 5273.	-99.000	-99.000	-98
4. 5283.	-99.000	-99.000	-98
4. 5293.	-99.000	-99.000	-98
4. 5303.	-99.000	-99.000	-98
4. 5312.	-99.000	-99.000	-98
4. 5322.	-99.000	-99.000	-98
4. 5332.	-99.000	-99.000	-98
4. 5342.	-99.000	-99.000	-98
4. 5347.	-99.000	-99.000	-98
4. 5357.	-99.000	-99.000	-98

SAMPLE ID		X	TRANS	INT
4.	5362.	-99.000	-99.000	-98
4.	5372.	-99.000	-99.000	-98
4.	5382.	-99.000	-99.000	-98
4.	5394.	-99.000	-99.000	-98
4.	5404.	-99.000	-99.000	-98
4.	5414.	-99.000	-99.000	-98
4.	5424.	-99.000	-99.000	-98
4.	5434.	-99.000	-99.000	-98
4.	5444.	-99.000	-99.000	-98
4.	5447.	-99.000	-99.000	-98
4.	5457.	-99.000	-99.000	-98
4.	5467.	-99.000	-99.000	-98
5.	321.	-99.000	-99.000	-98
5.	331.	-99.000	-99.000	-98
5.	341.	-99.000	-99.000	-98
5.	344.	-99.000	-99.000	-98
5.	354.	-99.000	-99.000	-98
5.	365.	-99.000	-99.000	-98
5.	372.	-99.000	-99.000	-98
5.	382.	-99.000	-99.000	-98
5.	392.	-99.000	-99.000	-98
5.	401.	-99.000	-99.000	-98
5.	411.	-99.000	-99.000	-98
5.	421.	-99.000	-99.000	-98
5.	431.	-99.000	-99.000	-98
5.	441.	-99.000	-99.000	-98
5.	451.	-99.000	-99.000	-98
5.	458.	-99.000	-99.000	-98
5.	468.	-99.000	-99.000	-98
5.	478.	-99.000	-99.000	-98
5.	485.	-99.000	-99.000	-98
5.	495.	-99.000	-99.000	-98
5.	505.	-99.000	-99.000	-98
5.	515.	-99.000	-99.000	-98
5.	525.	-99.000	-99.000	-98
5.	537.	-99.000	-99.000	-98
5.	547.	-99.000	-99.000	-98
5.	557.	-99.000	-99.000	-98
5.	564.	-99.000	-99.000	-98
5.	574.	-99.000	-99.000	-98
5.	584.	-99.000	-99.000	-98
5.	592.	-99.000	-99.000	-98
5.	602.	-99.000	-99.000	-98
6.	927.	-99.000	-99.000	-98
6.	937.	-99.000	-99.000	-98
6.	947.	-99.000	-99.000	-98
6.	951.	-99.000	-99.000	-98
6.	961.	-99.000	-99.000	-98
6.	971.	-99.000	-99.000	-98
6.	980.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
6. 990.	-99.000	-99.000	-98
6. 1000.	-99.000	-99.000	-98
6. 1010.	-99.000	-99.000	-98
6. 1020.	-99.000	-99.000	-98
6. 1030.	-99.000	-99.000	-98
6. 1040.	-99.000	-99.000	-98
6. 1050.	-99.000	-99.000	-98
6. 1060.	-99.000	-99.000	-98
6. 1070.	-99.000	-99.000	-98
6. 1080.	-99.000	-99.000	-98
6. 1090.	-99.000	-99.000	-98
6. 1100.	-99.000	-99.000	-98
6. 1110.	-99.000	-99.000	-98
6. 1120.	-99.000	-99.000	-98
6. 1130.	-99.000	-99.000	-98
6. 1140.	-99.000	-99.000	-98
7. 2183.	2.275	32.546	32
7. 2191.	2.800	56.956	56
7. 2220.	2.500	43.007	43
7. 2230.	2.425	39.520	39
7. 2239.	2.675	51.144	51
7. 2251.	2.550	45.332	45
7. 2259.	2.600	47.657	47
7. 2271.	2.500	43.007	43
7. 2281.	2.500	43.007	43
7. 2290.	2.525	44.170	44
7. 2300.	2.450	40.683	40
7. 2310.	2.475	41.845	41
7. 2319.	2.475	41.845	41
8. 2495.	-99.000	-99.000	-98
8. 2505.	-99.000	-99.000	-98
8. 2515.	-99.000	-99.000	-98
8. 2528.	-99.000	-99.000	-98
8. 2536.	-99.000	-99.000	-98
8. 2547.	-99.000	-99.000	-98
8. 2554.	-99.000	-99.000	-98
8. 2565.	-99.000	-99.000	-98
8. 2575.	-99.000	-99.000	-98
8. 2585.	-99.000	-99.000	-98
8. 2595.	-99.000	-99.000	-98
9. 3494.	1.755	8.369	8
9. 3506.	1.650	3.487	3
9. 3516.	1.720	6.742	6
9. 3526.	1.700	5.812	5
9. 3536.	1.655	3.720	3
9. 3545.	1.700	5.812	5
9. 3555.	1.675	4.649	4
9. 3564.	1.600	1.162	1
9. 3575.	1.600	1.162	1
9. 3585.	1.575	0.000	0

SAMPLE ID	X	TRANS	INT
9. 3593.	1.590	.697	0
9. 3605.	1.600	1.162	1
9. 3606.	1.575	0.000	0
9. 3606.	1.575	0.000	0
9. 3616.	1.660	3.952	3
9. 3626.	1.630	2.557	2
9. 3634.	1.665	4.185	4
9. 3644.	1.600	1.162	1
9. 3644.	1.600	1.162	1
9. 3665.	1.625	2.325	2
9. 3675.	1.725	6.974	6
9. 3685.	1.625	2.325	2
9. 3695.	1.600	1.162	1
9. 3705.	1.675	4.649	4
9. 3711.	1.650	3.487	3
10. 2700.	-99.000	-99.000	-98
10. 2710.	-99.000	-99.000	-98
10. 2720.	-99.000	-99.000	-98
10. 2730.	-99.000	-99.000	-98
10. 2740.	-99.000	-99.000	-98
10. 2750.	-99.000	-99.000	-98
10. 2753.	-99.000	-99.000	-98
10. 2763.	-99.000	-99.000	-98
10. 2773.	-99.000	-99.000	-98
10. 2783.	-99.000	-99.000	-98
10. 2793.	-99.000	-99.000	-98
10. 2803.	-99.000	-99.000	-98
10. 2811.	-99.000	-99.000	-98
10. 2821.	-99.000	-99.000	-98
10. 2841.	-99.000	-99.000	-98
10. 2851.	-99.000	-99.000	-98
10. 2861.	-99.000	-99.000	-98
10. 2869.	-99.000	-99.000	-98
10. 2879.	-99.000	-99.000	-98
10. 2889.	-99.000	-99.000	-98
10. 2899.	-99.000	-99.000	-98
10. 2909.	-99.000	-99.000	-98
10. 2919.	-99.000	-99.000	-98
10. 2927.	-99.000	-99.000	-98
10. 2937.	-99.000	-99.000	-98
10. 2947.	-99.000	-99.000	-98
10. 2957.	-99.000	-99.000	-98
10. 2967.	-99.000	-99.000	-98
10. 2977.	-99.000	-99.000	-98
10. 2985.	-99.000	-99.000	-98
10. 2995.	-99.000	-99.000	-98
10. 3005.	-99.000	-99.000	-98
10. 3015.	-99.000	-99.000	-98
10. 3025.	-99.000	-99.000	-98

SAMPLE ID		X	TRANS	INT
10.	3035.	-99.000	-99.000	-98
10.	3044.	-99.000	-99.000	-98
10.	3054.	-99.000	-99.000	-98
10.	3064.	-99.000	-99.000	-98
10.	3074.	-99.000	-99.000	-98
10.	3084.	-99.000	-99.000	-98
10.	3094.	-99.000	-99.000	-98
10.	3102.	-99.000	-99.000	-98
10.	3112.	-99.000	-99.000	-98
10.	3122.	-99.000	-99.000	-98
10.	3132.	-99.000	-99.000	-98
10.	3144.	-99.000	-99.000	-98
10.	3152.	-99.000	-99.000	-98
10.	3161.	-99.000	-99.000	-98
10.	3171.	-99.000	-99.000	-98
10.	3181.	-99.000	-99.000	-98
10.	3191.	-99.000	-99.000	-98
10.	3201.	-99.000	-99.000	-98
10.	3211.	-99.000	-99.000	-98
10.	3220.	-99.000	-99.000	-98
10.	3230.	-99.000	-99.000	-98
10.	3240.	-99.000	-99.000	-98
10.	3253.	-99.000	-99.000	-98
10.	3262.	-99.000	-99.000	-98
10.	3272.	-99.000	-99.000	-98
10.	3282.	-99.000	-99.000	-98
10.	3292.	-99.000	-99.000	-98
10.	3302.	-99.000	-99.000	-98
10.	3311.	-99.000	-99.000	-98
10.	3321.	-99.000	-99.000	-98
10.	3331.	-99.000	-99.000	-98
10.	3341.	-99.000	-99.000	-98
10.	3351.	-99.000	-99.000	-98
10.	3361.	-99.000	-99.000	-98
10.	3369.	-99.000	-99.000	-98
10.	3380.	-99.000	-99.000	-98
10.	3389.	-99.000	-99.000	-98
11.	3012.	-99.000	-99.000	-98
11.	3022.	-99.000	-99.000	-98
11.	3043.	-99.000	-99.000	-98
11.	3051.	-99.000	-99.000	-98
11.	3056.	-99.000	-99.000	-98
11.	3063.	-99.000	-99.000	-98
11.	3067.	-99.000	-99.000	-98
11.	3074.	-99.000	-99.000	-98
11.	3080.	-99.000	-99.000	-98
11.	3090.	-99.000	-99.000	-98
11.	3086.	-99.000	-99.000	-98
11.	3094.	-99.000	-99.000	-98
11.	3099.	-99.000	-99.000	-98
11.	3106.	-99.000	-99.000	-98

VARIABLE%	SCND	POROS	MAX%	6.000	MIN%	0.000	F%	10.500
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SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	-99.000	-99.000	-98
1. 2782.	-99.000	-99.000	-98
1. 2787.	-99.000	-99.000	-98
1. 2797.	-99.000	-99.000	-98
1. 2802.	-99.000	-99.000	-98
1. 2827.	-99.000	-99.000	-98
1. 2832.	-99.000	-99.000	-98
1. 2837.	-99.000	-99.000	-98
1. 2842.	-99.000	-99.000	-98
1. 2852.	-99.000	-99.000	-98
1. 2897.	-99.000	-99.000	-98
1. 2927.	-99.000	-99.000	-98
1. 2937.	-99.000	-99.000	-98
1. 2941.	-99.000	-99.000	-98
1. 2947.	-99.000	-99.000	-98
1. 2959.	-99.000	-99.000	-98
1. 2964.	-99.000	-99.000	-98
1. 2994.	-99.000	-99.000	-98
1. 2999.	-99.000	-99.000	-98
1. 3039.	-99.000	-99.000	-98
1. 3064.	-99.000	-99.000	-98
1. 3085.	-99.000	-99.000	-98
1. 3090.	-99.000	-99.000	-98
1. 3100.	-99.000	-99.000	-98
1. 3181.	-99.000	-99.000	-98
1. 3135.	-99.000	-99.000	-98
1. 3140.	-99.000	-99.000	-98
1. 3145.	-99.000	-99.000	-98
1. 3150.	-99.000	-99.000	-98
1. 3155.	-99.000	-99.000	-98
1. 3165.	-99.000	-99.000	-98
1. 3175.	-99.000	-99.000	-98
1. 3180.	-99.000	-99.000	-98
1. 3198.	-99.000	-99.000	-98
1. 3218.	-99.000	-99.000	-98
1. 3228.	-99.000	-99.000	-98
1. 3229.	-99.000	-99.000	-98
1. 3243.	-99.000	-99.000	-98
1. 3248.	-99.000	-99.000	-98
1. 3268.	-99.000	-99.000	-98
1. 3276.	-99.000	-99.000	-98
1. 3290.	-99.000	-99.000	-98
1. 3310.	-99.000	-99.000	-98
1. 3316.	-99.000	-99.000	-98
1. 3326.	-99.000	-99.000	-98
1. 3341.	-99.000	-99.000	-98
1. 3346.	-99.000	-99.000	-98
1. 3366.	-99.000	-99.000	-98
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	-99.000	-99.000	-98
1. 3426.	-99.000	-99.000	-98
1. 3467.	-99.000	-99.000	-98
1. 3482.	-99.000	-99.000	-98
1. 3583.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3543.	-99.000	-99.000	-98
1. 3553.	-99.000	-99.000	-98
1. 3573.	-99.000	-99.000	-98
1. 3578.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3593.	-99.000	-99.000	-98
1. 3608.	-99.000	-99.000	-98
1. 3631.	-99.000	-99.000	-98
1. 3636.	-99.000	-99.000	-98
1. 3651.	-99.000	-99.000	-98
1. 3701.	-99.000	-99.000	-98
1. 3724.	-99.000	-99.000	-98
1. 3748.	-99.000	-99.000	-98
1. 3773.	-99.000	-99.000	-98
1. 3782.	-99.000	-99.000	-98
1. 3792.	-99.000	-99.000	-98
1. 3797.	-99.000	-99.000	-98
1. 3807.	-99.000	-99.000	-98
1. 3818.	-99.000	-99.000	-98
1. 3849.	-99.000	-99.000	-98
1. 3859.	-99.000	-99.000	-98
1. 3860.	-99.000	-99.000	-98
1. 3869.	-99.000	-99.000	-98
1. 3874.	-99.000	-99.000	-98
1. 3888.	-99.000	-99.000	-98
1. 3908.	-99.000	-99.000	-98
1. 3925.	-99.000	-99.000	-98
1. 3939.	-99.000	-99.000	-98
1. 3998.	-99.000	-99.000	-98
1. 4045.	-99.000	-99.000	-98
2. 2655.	-99.000	-99.000	-98
2. 2710.	-99.000	-99.000	-98
2. 2761.	-99.000	-99.000	-98
2. 3000.	2.000	21.000	21
2. 3025.	-99.000	-99.000	-98
2. 3050.	1.000	10.500	10
2. 3101.	1.000	10.500	10
2. 3303.	0.000	0.000	0
2. 3328.	0.000	0.000	0
2. 3378.	0.000	0.000	0
2. 3428.	2.000	21.000	21
2. 3478.	3.000	31.500	31
2. 3528.	0.000	0.000	0
2. 3896.	1.000	10.500	10

SAMPLE ID		X	TRANS	INT
2.	3922.	0.000	0.000	0
2.	3961.	0.000	0.000	0
2.	3971.	0.000	0.000	0
3.	2434.	-99.000	-99.000	-98
3.	2444.	-99.000	-99.000	-98
3.	2454.	-99.000	-99.000	-98
3.	2463.	-99.000	-99.000	-98
3.	2464.	-99.000	-99.000	-98
3.	2474.	-99.000	-99.000	-98
3.	2494.	-99.000	-99.000	-98
3.	2504.	-99.000	-99.000	-98
3.	2514.	-99.000	-99.000	-98
3.	2514.	-99.000	-99.000	-98
3.	2524.	-99.000	-99.000	-98
3.	2534.	-99.000	-99.000	-98
3.	2545.	-99.000	-99.000	-98
3.	2555.	-99.000	-99.000	-98
3.	2565.	-99.000	-99.000	-98
3.	2565.	-99.000	-99.000	-98
3.	2575.	-99.000	-99.000	-98
3.	2586.	-99.000	-99.000	-98
3.	2588.	-99.000	-99.000	-98
3.	2595.	-99.000	-99.000	-98
3.	2607.	-99.000	-99.000	-98
3.	2617.	-99.000	-99.000	-98
3.	2617.	-99.000	-99.000	-98
3.	2637.	-99.000	-99.000	-98
3.	2646.	-99.000	-99.000	-98
3.	2656.	-99.000	-99.000	-98
3.	2666.	-99.000	-99.000	-98
3.	2666.	-99.000	-99.000	-98
3.	2676.	-99.000	-99.000	-98
3.	2686.	-99.000	-99.000	-98
3.	2686.	-99.000	-99.000	-98
3.	2696.	-99.000	-99.000	-98
3.	2705.	-99.000	-99.000	-98
3.	2715.	-99.000	-99.000	-98
3.	2725.	-99.000	-99.000	-98
3.	2725.	-99.000	-99.000	-98
3.	2735.	-99.000	-99.000	-98
3.	2745.	-99.000	-99.000	-98
3.	2755.	-99.000	-99.000	-98
3.	2763.	-99.000	-99.000	-98
3.	2773.	-99.000	-99.000	-98
3.	2784.	-99.000	-99.000	-98
3.	2784.	-99.000	-99.000	-98
3.	2793.	-99.000	-99.000	-98
3.	2802.	-99.000	-99.000	-98
3.	2814.	-99.000	-99.000	-98
3.	2822.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS
3. 2830.	-99.000	-99.000
3. 2842.	-99.000	-99.000
3. 2842.	-99.000	-99.000
3. 2852.	-99.000	-99.000
3. 2862.	-99.000	-99.000
3. 2872.	-99.000	-99.000
3. 2881.	-99.000	-99.000
3. 2891.	-99.000	-99.000
3. 2901.	-99.000	-99.000
3. 2901.	-99.000	-99.000
3. 2911.	-99.000	-99.000
3. 2921.	-99.000	-99.000
3. 2931.	-99.000	-99.000
3. 2940.	-99.000	-99.000
3. 2950.	-99.000	-99.000
3. 2960.	-99.000	-99.000
3. 2960.	-99.000	-99.000
3. 2970.	-99.000	-99.000
3. 2980.	-99.000	-99.000
3. 2990.	-99.000	-99.000
3. 2999.	-99.000	-99.000
3. 3009.	-99.000	-99.000
3. 3019.	-99.000	-99.000
3. 3019.	-99.000	-99.000
3. 3029.	-99.000	-99.000
3. 3038.	-99.000	-99.000
3. 3049.	-99.000	-99.000
3. 3054.	-99.000	-99.000
3. 3069.	-99.000	-99.000
3. 3069.	-99.000	-99.000
3. 3079.	-99.000	-99.000
3. 3089.	-99.000	-99.000
3. 3099.	-99.000	-99.000
3. 3107.	-99.000	-99.000
3. 3117.	-99.000	-99.000
3. 3127.	-99.000	-99.000
3. 3137.	-99.000	-99.000
3. 3137.	-99.000	-99.000
3. 3146.	-99.000	-99.000
3. 3157.	-99.000	-99.000
3. 3166.	-99.000	-99.000
3. 3176.	-99.000	-99.000
3. 3186.	-99.000	-99.000
3. 3186.	-99.000	-99.000
3. 3196.	-99.000	-99.000
3. 3196.	-99.000	-99.000
3. 3206.	-99.000	-99.000
3. 3216.	-99.000	-99.000
3. 3224.	-99.000	-99.000
3. 3234.	-99.000	-99.000

SAMPLE ID	X	TRANS	INT
3. 3244.	-99.000	-99.000	-98
3. 3244.	-99.000	-99.000	-98
3. 3254.	-99.000	-99.000	-98
3. 3264.	-99.000	-99.000	-98
3. 3274.	-99.000	-99.000	-98
3. 3284.	-99.000	-99.000	-98
3. 3294.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3310.	-99.000	-99.000	-98
3. 3315.	-99.000	-99.000	-98
3. 3325.	-99.000	-99.000	-98
3. 3335.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3355.	-99.000	-99.000	-98
3. 3365.	-99.000	-99.000	-98
3. 3375.	-99.000	-99.000	-98
3. 3384.	-99.000	-99.000	-98
3. 3394.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
4. 4872.	-99.000	-99.000	-98
4. 4882.	-99.000	-99.000	-98
4. 4892.	-99.000	-99.000	-98
4. 4902.	-99.000	-99.000	-98
4. 4912.	-99.000	-99.000	-98
4. 4922.	-99.000	-99.000	-98
4. 4930.	-99.000	-99.000	-98
4. 4940.	-99.000	-99.000	-98
4. 4950.	-99.000	-99.000	-98
4. 4960.	-99.000	-99.000	-98
4. 4970.	-99.000	-99.000	-98
4. 4980.	-99.000	-99.000	-98
4. 5212.	-99.000	-99.000	-98
4. 5222.	-99.000	-99.000	-98
4. 5232.	-99.000	-99.000	-98
4. 5242.	-99.000	-99.000	-98
4. 5253.	-99.000	-99.000	-98
4. 5263.	-99.000	-99.000	-98
4. 5273.	-99.000	-99.000	-98
4. 5283.	-99.000	-99.000	-98
4. 5293.	-99.000	-99.000	-98
4. 5303.	-99.000	-99.000	-98
4. 5312.	-99.000	-99.000	-98
4. 5322.	-99.000	-99.000	-98
4. 5332.	-99.000	-99.000	-98
4. 5342.	-99.000	-99.000	-98
4. 5347.	-99.000	-99.000	-98
4. 5357.	-99.000	-99.000	-98

SAMPLE ID		X	TRANS	INT
4.	5362.	-99.000	-99.000	-98
4.	5372.	-99.000	-99.000	-98
4.	5382.	-99.000	-99.000	-98
4.	5394.	-99.000	-99.000	-98
4.	5404.	-99.000	-99.000	-98
4.	5414.	-99.000	-99.000	-98
4.	5424.	-99.000	-99.000	-98
4.	5434.	-99.000	-99.000	-98
4.	5444.	-99.000	-99.000	-98
4.	5447.	-99.000	-99.000	-98
4.	5457.	-99.000	-99.000	-98
4.	5467.	-99.000	-99.000	-98
5.	321.	-99.000	-99.000	-98
5.	331.	-99.000	-99.000	-98
5.	341.	-99.000	-99.000	-98
5.	344.	-99.000	-99.000	-98
5.	354.	-99.000	-99.000	-98
5.	365.	-99.000	-99.000	-98
5.	372.	-99.000	-99.000	-98
5.	382.	-99.000	-99.000	-98
5.	392.	-99.000	-99.000	-98
5.	401.	-99.000	-99.000	-98
5.	411.	-99.000	-99.000	-98
5.	421.	-99.000	-99.000	-98
5.	431.	-99.000	-99.000	-98
5.	441.	-99.000	-99.000	-98
5.	451.	-99.000	-99.000	-98
5.	458.	-99.000	-99.000	-98
5.	468.	-99.000	-99.000	-98
5.	478.	-99.000	-99.000	-98
5.	485.	-99.000	-99.000	-98
5.	495.	-99.000	-99.000	-98
5.	505.	-99.000	-99.000	-98
5.	515.	-99.000	-99.000	-98
5.	525.	-99.000	-99.000	-98
5.	537.	-99.000	-99.000	-98
5.	547.	-99.000	-99.000	-98
5.	557.	-99.000	-99.000	-98
5.	564.	-99.000	-99.000	-98
5.	574.	-99.000	-99.000	-98
5.	584.	-99.000	-99.000	-98
5.	592.	-99.000	-99.000	-98
5.	602.	-99.000	-99.000	-98
5.	927.	-99.000	-99.000	-98
6.	937.	-99.000	-99.000	-98
6.	947.	-99.000	-99.000	-98
6.	951.	-99.000	-99.000	-98
6.	961.	-99.000	-99.000	-98
6.	971.	-99.000	-99.000	-98
6.	980.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS
6. 990.	-99.000	-99.000
6. 1000.	-99.000	-99.000
6. 1010.	-99.000	-99.000
6. 1020.	-99.000	-99.000
6. 1030.	-99.000	-99.000
6. 1040.	-99.000	-99.000
6. 1050.	-99.000	-99.000
6. 1060.	-99.000	-99.000
6. 1070.	-99.000	-99.000
6. 1080.	-99.000	-99.000
6. 1090.	-99.000	-99.000
6. 1100.	-99.000	-99.000
6. 1110.	-99.000	-99.000
6. 1120.	-99.000	-99.000
6. 1130.	-99.000	-99.000
6. 1140.	-99.000	-99.000
7. 2183.	2.500	26.250
7. 2191.	5.000	52.500
7. 2220.	3.000	31.500
7. 2230.	4.000	42.000
7. 2239.	.500	5.250
7. 2251.	4.000	42.000
7. 2259.	0.000	0.000
7. 2271.	2.000	21.000
7. 2281.	2.000	21.000
7. 2290.	5.000	52.500
7. 2300.	6.000	63.000
7. 2310.	3.000	31.500
7. 2319.	5.000	52.500
8. 2495.	-99.000	-99.000
8. 2505.	-99.000	-99.000
8. 2515.	-99.000	-99.000
8. 2528.	-99.000	-99.000
8. 2536.	-99.000	-99.000
8. 2547.	-99.000	-99.000
8. 2554.	-99.000	-99.000
8. 2565.	-99.000	-99.000
8. 2575.	-99.000	-99.000
8. 2585.	-99.000	-99.000
8. 2595.	-99.000	-99.000
9. 3494.	-99.000	-99.000
9. 3506.	-99.000	-99.000
9. 3516.	-99.000	-99.000
9. 3526.	-99.000	-99.000
9. 3536.	-99.000	-99.000
9. 3545.	-99.000	-99.000
9. 3555.	-99.000	-99.000
9. 3564.	-99.000	-99.000
9. 3575.	-99.000	-99.000
9. 3585.	-99.000	-99.000

SAMPLE ID		X	TRANS	INT
9.	3593.	-99.000	-99.000	-98
9.	3605.	-99.000	-99.000	-98
9.	3606.	-99.000	-99.000	-98
9.	3606.	-99.000	-99.000	-98
9.	3616.	-99.000	-99.000	-98
9.	3626.	-99.000	-99.000	-98
9.	3634.	-99.000	-99.000	-98
9.	3644.	-99.000	-99.000	-98
9.	3644.	-99.000	-99.000	-98
9.	3665.	-99.000	-99.000	-98
9.	3675.	-99.000	-99.000	-98
9.	3685.	-99.000	-99.000	-98
9.	3695.	-99.000	-99.000	-98
9.	3705.	-99.000	-99.000	-98
9.	3711.	-99.000	-99.000	-98
10.	2700.	-99.000	-99.000	-98
10.	2710.	-99.000	-99.000	-98
10.	2720.	-99.000	-99.000	-98
10.	2730.	-99.000	-99.000	-98
10.	2740.	-99.000	-99.000	-98
10.	2750.	-99.000	-99.000	-98
10.	2753.	-99.000	-99.000	-98
10.	2763.	-99.000	-99.000	-98
10.	2773.	-99.000	-99.000	-98
10.	2783.	-99.000	-99.000	-98
10.	2793.	-99.000	-99.000	-98
10.	2803.	-99.000	-99.000	-98
10.	2811.	-99.000	-99.000	-98
10.	2821.	-99.000	-99.000	-98
10.	2841.	-99.000	-99.000	-98
10.	2851.	-99.000	-99.000	-98
10.	2861.	-99.000	-99.000	-98
10.	2869.	-99.000	-99.000	-98
10.	2879.	-99.000	-99.000	-98
10.	2889.	-99.000	-99.000	-98
10.	2899.	-99.000	-99.000	-98
10.	2909.	-99.000	-99.000	-98
10.	2919.	-99.000	-99.000	-98
10.	2927.	-99.000	-99.000	-98
10.	2937.	-99.000	-99.000	-98
10.	2947.	-99.000	-99.000	-98
10.	2957.	-99.000	-99.000	-98
10.	2967.	-99.000	-99.000	-98
10.	2977.	-99.000	-99.000	-98
10.	2985.	-99.000	-99.000	-98
10.	2995.	-99.000	-99.000	-98
10.	3005.	-99.000	-99.000	-98
10.	3015.	-99.000	-99.000	-98
10.	3025.	-99.000	-99.000	-98

SAMPLE ID		X	TRANS	INT
10.	3035.	-99.000	-99.000	-98
10.	3044.	-99.000	-99.000	-98
10.	3054.	-99.000	-99.000	-98
10.	3064.	-99.000	-99.000	-98
10.	3074.	-99.000	-99.000	-98
10.	3084.	-99.000	-99.000	-98
10.	3094.	-99.000	-99.000	-98
10.	3102.	-99.000	-99.000	-98
10.	3112.	-99.000	-99.000	-98
10.	3122.	-99.000	-99.000	-98
10.	3132.	-99.000	-99.000	-98
10.	3144.	-99.000	-99.000	-98
10.	3152.	-99.000	-99.000	-98
10.	3161.	-99.000	-99.000	-98
10.	3171.	-99.000	-99.000	-98
10.	3181.	-99.000	-99.000	-98
10.	3191.	-99.000	-99.000	-98
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10.	3211.	-99.000	-99.000	-98
10.	3220.	-99.000	-99.000	-98
10.	3230.	-99.000	-99.000	-98
10.	3240.	-99.000	-99.000	-98
10.	3253.	-99.000	-99.000	-98
10.	3262.	-99.000	-99.000	-98
10.	3272.	-99.000	-99.000	-98
10.	3282.	-99.000	-99.000	-98
10.	3292.	-99.000	-99.000	-98
10.	3302.	-99.000	-99.000	-98
10.	3311.	-99.000	-99.000	-98
10.	3321.	-99.000	-99.000	-98
10.	3331.	-99.000	-99.000	-98
10.	3341.	-99.000	-99.000	-98
10.	3351.	-99.000	-99.000	-98
10.	3361.	-99.000	-99.000	-98
10.	3369.	-99.000	-99.000	-98
10.	3380.	-99.000	-99.000	-98
10.	3389.	-99.000	-99.000	-98
11.	3012.	-99.000	-99.000	-98
11.	3022.	-99.000	-99.000	-98
11.	3043.	-99.000	-99.000	-98
11.	3051.	-99.000	-99.000	-98
11.	3056.	-99.000	-99.000	-98
11.	3063.	-99.000	-99.000	-98
11.	3067.	-99.000	-99.000	-98
11.	3074.	-99.000	-99.000	-98
11.	3080.	-99.000	-99.000	-98
11.	3080.	-99.000	-99.000	-98
11.	3086.	-99.000	-99.000	-98
11.	3094.	-99.000	-99.000	-98
11.	3099.	-99.000	-99.000	-98
11.	3106.	-99.000	-99.000	-98

VARIABLE% PCT POROSY MAX% 8.000 MIN% 0.000 F% 7.875

SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	-99.000	-99.000	-98
1. 2782.	-99.000	-99.000	-98
1. 2787.	-99.000	-99.000	-98
1. 2797.	-99.000	-99.000	-98
1. 2802.	-99.000	-99.000	-98
1. 2827.	-99.000	-99.000	-98
1. 2832.	-99.000	-99.000	-98
1. 2837.	-99.000	-99.000	-98
1. 2842.	-99.000	-99.000	-98
1. 2852.	-99.000	-99.000	-98
1. 2897.	-99.000	-99.000	-98
1. 2927.	-99.000	-99.000	-98
1. 2937.	-99.000	-99.000	-98
1. 2941.	-99.000	-99.000	-98
1. 2947.	-99.000	-99.000	-98
1. 2959.	-99.000	-99.000	-98
1. 2964.	-99.000	-99.000	-98
1. 2994.	-99.000	-99.000	-98
1. 2999.	-99.000	-99.000	-98
1. 3039.	-99.000	-99.000	-98
1. 3064.	-99.000	-99.000	-98
1. 3085.	-99.000	-99.000	-98
1. 3090.	-99.000	-99.000	-98
1. 3100.	-99.000	-99.000	-98
1. 3181.	-99.000	-99.000	-98
1. 3135.	-99.000	-99.000	-98
1. 3140.	-99.000	-99.000	-98
1. 3145.	-99.000	-99.000	-98
1. 3150.	-99.000	-99.000	-98
1. 3155.	-99.000	-99.000	-98
1. 3165.	-99.000	-99.000	-98
1. 3175.	-99.000	-99.000	-98
1. 3180.	-99.000	-99.000	-98
1. 3198.	-99.000	-99.000	-98
1. 3218.	-99.000	-99.000	-98
1. 3228.	-99.000	-99.000	-98
1. 3229.	-99.000	-99.000	-98
1. 3243.	-99.000	-99.000	-98
1. 3248.	-99.000	-99.000	-98
1. 3268.	-99.000	-99.000	-98
1. 3276.	-99.000	-99.000	-98
1. 3290.	-99.000	-99.000	-98
1. 3310.	-99.000	-99.000	-98
1. 3316.	-99.000	-99.000	-98
1. 3326.	-99.000	-99.000	-98
1. 3341.	-99.000	-99.000	-98
1. 3346.	-99.000	-99.000	-98
1. 3366.	-99.000	-99.000	-98
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	-99.000	-99.000	-98
1. 3426.	-99.000	-99.000	-98
1. 3467.	-99.000	-99.000	-98
1. 3482.	-99.000	-99.000	-98
1. 3583.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3543.	-99.000	-99.000	-98
1. 3553.	-99.000	-99.000	-98
1. 3573.	-99.000	-99.000	-98
1. 3578.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3593.	-99.000	-99.000	-98
1. 3606.	-99.000	-99.000	-98
1. 3631.	-99.000	-99.000	-98
1. 3636.	-99.000	-99.000	-98
1. 3651.	-99.000	-99.000	-98
1. 3701.	-99.000	-99.000	-98
1. 3724.	-99.000	-99.000	-98
1. 3748.	-99.000	-99.000	-98
1. 3773.	-99.000	-99.000	-98
1. 3782.	-99.000	-99.000	-98
1. 3792.	-99.000	-99.000	-98
1. 3737.	-99.000	-99.000	-98
1. 3807.	-99.000	-99.000	-98
1. 3818.	-99.000	-99.000	-98
1. 3849.	-99.000	-99.000	-98
1. 3859.	-99.000	-99.000	-98
1. 3860.	-99.000	-99.000	-98
1. 3869.	-99.000	-99.000	-98
1. 3874.	-99.000	-99.000	-98
1. 3888.	-99.000	-99.000	-98
1. 3908.	-99.000	-99.000	-98
1. 3925.	-99.000	-99.000	-98
1. 3939.	-99.000	-99.000	-98
1. 3998.	-99.000	-99.000	-98
1. 4045.	-99.000	-99.000	-98
2. 2655.	-99.000	-99.000	-98
2. 2710.	-99.000	-99.000	-98
2. 2761.	-99.000	-99.000	-98
2. 3000.	-99.000	-99.000	-98
2. 3025.	-99.000	-99.000	-98
2. 3050.	-99.000	-99.000	-98
2. 3101.	-99.000	-99.000	-98
2. 3303.	-99.000	-99.000	-98
2. 3328.	-99.000	-99.000	-98
2. 3378.	-99.000	-99.000	-98
2. 3428.	-99.000	-99.000	-98
2. 3478.	-99.000	-99.000	-98
2. 3528.	-99.000	-99.000	-98
2. 3896.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
2. 3922.	-99.000	-99.000	-98
2. 3961.	-99.000	-99.000	-98
2. 3971.	-99.000	-99.000	-98
3. 2434.	-99.000	-99.000	-98
3. 2444.	-99.000	-99.000	-98
3. 2454.	-99.000	-99.000	-98
3. 2463.	-99.000	-99.000	-98
3. 2464.	-99.000	-99.000	-98
3. 2474.	-99.000	-99.000	-98
3. 2494.	-99.000	-99.000	-98
3. 2504.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2524.	-99.000	-99.000	-98
3. 2534.	-99.000	-99.000	-98
3. 2545.	-99.000	-99.000	-98
3. 2555.	-99.000	-99.000	-98
3. 2565.	-99.000	-99.000	-98
3. 2565.	-99.000	-99.000	-98
3. 2575.	-99.000	-99.000	-98
3. 2586.	-99.000	-99.000	-98
3. 2588.	-99.000	-99.000	-98
3. 2595.	-99.000	-99.000	-98
3. 2607.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
3. 2637.	-99.000	-99.000	-98
3. 2646.	-99.000	-99.000	-98
3. 2656.	-99.000	-99.000	-98
3. 2666.	-99.000	-99.000	-98
3. 2666.	-99.000	-99.000	-98
3. 2676.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2696.	-99.000	-99.000	-98
3. 2696.	-99.000	-99.000	-98
3. 2705.	-99.000	-99.000	-98
3. 2715.	-99.000	-99.000	-98
3. 2725.	-99.000	-99.000	-98
3. 2725.	-99.000	-99.000	-98
3. 2735.	-99.000	-99.000	-98
3. 2745.	-99.000	-99.000	-98
3. 2755.	-99.000	-99.000	-98
3. 2763.	-99.000	-99.000	-98
3. 2773.	-99.000	-99.000	-98
3. 2784.	-99.000	-99.000	-98
3. 2784.	-99.000	-99.000	-98
3. 2793.	-99.000	-99.000	-98
3. 2802.	-99.000	-99.000	-98
3. 2814.	-99.000	-99.000	-98
3. 2822.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 2830.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2852.	-99.000	-99.000	-98
3. 2862.	-99.000	-99.000	-98
3. 2872.	-99.000	-99.000	-98
3. 2881.	-99.000	-99.000	-98
3. 2891.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2911.	-99.000	-99.000	-98
3. 2921.	-99.000	-99.000	-98
3. 2931.	-99.000	-99.000	-98
3. 2940.	-99.000	-99.000	-98
3. 2950.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2970.	-99.000	-99.000	-98
3. 2980.	-99.000	-99.000	-98
3. 2990.	-99.000	-99.000	-98
3. 2999.	-99.000	-99.000	-98
3. 3009.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3029.	-99.000	-99.000	-98
3. 3038.	-99.000	-99.000	-98
3. 3049.	-99.000	-99.000	-98
3. 3054.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3079.	-99.000	-99.000	-98
3. 3089.	-99.000	-99.000	-98
3. 3099.	-99.000	-99.000	-98
3. 3107.	-99.000	-99.000	-98
3. 3117.	-99.000	-99.000	-98
3. 3127.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3146.	-99.000	-99.000	-98
3. 3157.	-99.000	-99.000	-98
3. 3166.	-99.000	-99.000	-98
3. 3176.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3206.	-99.000	-99.000	-98
3. 3216.	-99.000	-99.000	-98
3. 3224.	-99.000	-99.000	-98
3. 3234.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 3244.	-99.000	-99.000	-98
3. 3244.	-99.000	-99.000	-98
3. 3254.	-99.000	-99.000	-98
3. 3264.	-99.000	-99.000	-98
3. 3274.	-99.000	-99.000	-98
3. 3284.	-99.000	-99.000	-98
3. 3294.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3310.	-99.000	-99.000	-98
3. 3315.	-99.000	-99.000	-98
3. 3328.	-99.000	-99.000	-98
3. 3335.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3355.	-99.000	-99.000	-98
3. 3365.	-99.000	-99.000	-98
3. 3375.	-99.000	-99.000	-98
3. 3384.	-99.000	-99.000	-98
3. 3394.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
4. 4872.	-99.000	-99.000	-98
4. 4882.	-99.000	-99.000	-98
4. 4892.	-99.000	-99.000	-98
4. 4902.	-99.000	-99.000	-98
4. 4912.	-99.000	-99.000	-98
4. 4922.	-99.000	-99.000	-98
4. 4930.	-99.000	-99.000	-98
4. 4940.	-99.000	-99.000	-98
4. 4950.	-99.000	-99.000	-98
4. 4960.	-99.000	-99.000	-98
4. 4970.	-99.000	-99.000	-98
4. 4980.	-99.000	-99.000	-98
4. 5212.	-99.000	-99.000	-98
4. 5222.	-99.000	-99.000	-98
4. 5232.	-99.000	-99.000	-98
4. 5242.	-99.000	-99.000	-98
4. 5253.	-99.000	-99.000	-98
4. 5263.	-99.000	-99.000	-98
4. 5273.	-99.000	-99.000	-98
4. 5283.	-99.000	-99.000	-98
4. 5293.	-99.000	-99.000	-98
4. 5303.	-99.000	-99.000	-98
4. 5312.	-99.000	-99.000	-98
4. 5322.	-99.000	-99.000	-98
4. 5332.	-99.000	-99.000	-98
4. 5342.	-99.000	-99.000	-98
4. 5347.	-99.000	-99.000	-98
4. 5357.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
4. 5362.	-99.000	-99.000	-98
4. 5372.	-99.000	-99.000	-98
4. 5382.	-99.000	-99.000	-98
4. 5394.	-99.000	-99.000	-98
4. 5404.	-99.000	-99.000	-98
4. 5414.	-99.000	-99.000	-98
4. 5424.	-99.000	-99.000	-98
4. 5434.	-99.000	-99.000	-98
4. 5444.	-99.000	-99.000	-98
4. 5447.	-99.000	-99.000	-98
4. 5457.	-99.000	-99.000	-98
4. 5467.	-99.000	-99.000	-98
5. 321.	-99.000	-99.000	-98
5. 331.	-99.000	-99.000	-98
5. 341.	-99.000	-99.000	-98
5. 344.	-99.000	-99.000	-98
5. 354.	-99.000	-99.000	-98
5. 365.	-99.000	-99.000	-98
5. 372.	-99.000	-99.000	-98
5. 382.	-99.000	-99.000	-98
5. 392.	-99.000	-99.000	-98
5. 401.	-99.000	-99.000	-98
5. 411.	-99.000	-99.000	-98
5. 421.	-99.000	-99.000	-98
5. 431.	-99.000	-99.000	-98
5. 441.	-99.000	-99.000	-98
5. 451.	-99.000	-99.000	-98
5. 458.	-99.000	-99.000	-98
5. 468.	-99.000	-99.000	-98
5. 478.	-99.000	-99.000	-98
5. 485.	-99.000	-99.000	-98
5. 495.	-99.000	-99.000	-98
5. 505.	-99.000	-99.000	-98
5. 515.	-99.000	-99.000	-98
5. 525.	-99.000	-99.000	-98
5. 537.	-99.000	-99.000	-98
5. 547.	-99.000	-99.000	-98
5. 557.	-99.000	-99.000	-98
5. 564.	-99.000	-99.000	-98
5. 574.	-99.000	-99.000	-98
5. 584.	-99.000	-99.000	-98
5. 592.	-99.000	-99.000	-98
5. 602.	-99.000	-99.000	-98
6. 927.	-99.000	-99.000	-98
6. 937.	-99.000	-99.000	-98
6. 947.	-99.000	-99.000	-98
6. 951.	-99.000	-99.000	-98
6. 961.	-99.000	-99.000	-98
6. 971.	-99.000	-99.000	-98
6. 980.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
6. 990.	-99.000	-99.000	-98
6. 1000.	-99.000	-99.000	-98
6. 1010.	-99.000	-99.000	-98
6. 1020.	-99.000	-99.000	-98
6. 1030.	-99.000	-99.000	-98
6. 1040.	-99.000	-99.000	-98
6. 1050.	-99.000	-99.000	-98
6. 1060.	-99.000	-99.000	-98
6. 1070.	-99.000	-99.000	-98
6. 1080.	-99.000	-99.000	-98
6. 1090.	-99.000	-99.000	-98
6. 1100.	-99.000	-99.000	-98
6. 1110.	-99.000	-99.000	-98
6. 1120.	-99.000	-99.000	-98
6. 1130.	-99.000	-99.000	-98
6. 1140.	-99.000	-99.000	-98
7. 2183.	-99.000	-99.000	-98
7. 2191.	-99.000	-99.000	-98
7. 2220.	-99.000	-99.000	-98
7. 2230.	-99.000	-99.000	-98
7. 2239.	-99.000	-99.000	-98
7. 2251.	-99.000	-99.000	-98
7. 2259.	-99.000	-99.000	-98
7. 2271.	-99.000	-99.000	-98
7. 2281.	-99.000	-99.000	-98
7. 2290.	-99.000	-99.000	-98
7. 2300.	-99.000	-99.000	-98
7. 2310.	-99.000	-99.000	-98
7. 2319.	-99.000	-99.000	-98
8. 2495.	-99.000	-99.000	-98
8. 2505.	-99.000	-99.000	-98
8. 2515.	-99.000	-99.000	-98
8. 2528.	-99.000	-99.000	-98
8. 2536.	-99.000	-99.000	-98
8. 2547.	-99.000	-99.000	-98
8. 2554.	-99.000	-99.000	-98
8. 2565.	-99.000	-99.000	-98
8. 2575.	-99.000	-99.000	-98
8. 2585.	-99.000	-99.000	-98
8. 2595.	-99.000	-99.000	-98
9. 3494.	0.000	0.000	0
9. 3506.	2.000	15.750	15
9. 3516.	0.000	0.000	0
9. 3526.	2.000	15.750	15
9. 3536.	1.000	7.875	7
9. 3545.	.500	3.938	3
9. 3555.	0.000	0.000	0
9. 3564.	4.500	35.438	35
9. 3575.	2.000	15.750	15
9. 3585.	7.000	55.125	55

SAMPLE ID	X	TRANS	INT
9. 3593.	5.000	39.375	39
9. 3605.	6.500	51.188	51
9. 3606.	8.000	63.000	63
9. 3606.	8.000	63.000	63
9. 3616.	2.000	15.750	15
9. 3626.	2.000	15.750	15
9. 3634.	0.000	0.000	0
9. 3644.	3.000	23.625	23
9. 3644.	3.000	23.625	23
9. 3665.	0.000	0.000	0
9. 3675.	0.000	0.000	0
9. 3685.	1.000	7.875	7
9. 3695.	7.000	55.125	55
9. 3705.	0.000	0.000	0
9. 3711.	1.500	11.813	11
10. 2700.	-99.000	-99.000	-98
10. 2710.	-99.000	-99.000	-98
10. 2720.	-99.000	-99.000	-98
10. 2730.	-99.000	-99.000	-98
10. 2740.	-99.000	-99.000	-98
10. 2750.	-99.000	-99.000	-98
10. 2753.	-99.000	-99.000	-98
10. 2763.	-99.000	-99.000	-98
10. 2773.	-99.000	-99.000	-98
10. 2783.	-99.000	-99.000	-98
10. 2793.	-99.000	-99.000	-98
10. 2803.	-99.000	-99.000	-98
10. 2811.	-99.000	-99.000	-98
10. 2821.	-99.000	-99.000	-98
10. 2841.	-99.000	-99.000	-98
10. 2851.	-99.000	-99.000	-98
10. 2861.	-99.000	-99.000	-98
10. 2869.	-99.000	-99.000	-98
10. 2879.	-99.000	-99.000	-98
10. 2889.	-99.000	-99.000	-98
10. 2899.	-99.000	-99.000	-98
10. 2909.	-99.000	-99.000	-98
10. 2919.	-99.000	-99.000	-98
10. 2927.	-99.000	-99.000	-98
10. 2937.	-99.000	-99.000	-98
10. 2947.	-99.000	-99.000	-98
10. 2957.	-99.000	-99.000	-98
10. 2967.	-99.000	-99.000	-98
10. 2977.	-99.000	-99.000	-98
10. 2985.	-99.000	-99.000	-98
10. 2995.	-99.000	-99.000	-98
10. 3005.	-99.000	-99.000	-98
10. 3015.	-99.000	-99.000	-98
10. 3025.	-99.000	-99.000	-98

SAMPLE ID		X	TRANS	INT
10.	3035.	-99.000	-99.000	-98
10.	3044.	-99.000	-99.000	-98
10.	3054.	-99.000	-99.000	-98
10.	3064.	-99.000	-99.000	-98
10.	3074.	-99.000	-99.000	-98
10.	3084.	-99.000	-99.000	-98
10.	3094.	-99.000	-99.000	-98
10.	3102.	-99.000	-99.000	-98
10.	3112.	-99.000	-99.000	-98
10.	3122.	-99.000	-99.000	-98
10.	3132.	-99.000	-99.000	-98
10.	3144.	-99.000	-99.000	-98
10.	3152.	-99.000	-99.000	-98
10.	3161.	-99.000	-99.000	-98
10.	3171.	-99.000	-99.000	-98
10.	3181.	-99.000	-99.000	-98
10.	3191.	-99.000	-99.000	-98
10.	3201.	-99.000	-99.000	-98
10.	3211.	-99.000	-99.000	-98
10.	3220.	-99.000	-99.000	-98
10.	3230.	-99.000	-99.000	-98
10.	3240.	-99.000	-99.000	-98
10.	3253.	-99.000	-99.000	-98
10.	3262.	-99.000	-99.000	-98
10.	3272.	-99.000	-99.000	-98
10.	3282.	-99.000	-99.000	-98
10.	3292.	-99.000	-99.000	-98
10.	3302.	-99.000	-99.000	-98
10.	3311.	-99.000	-99.000	-98
10.	3321.	-99.000	-99.000	-98
10.	3331.	-99.000	-99.000	-98
10.	3341.	-99.000	-99.000	-98
10.	3351.	-99.000	-99.000	-98
10.	3361.	-99.000	-99.000	-98
10.	3369.	-99.000	-99.000	-98
10.	3380.	-99.000	-99.000	-98
10.	3389.	-99.000	-99.000	-98
11.	3012.	-99.000	-99.000	-98
11.	3022.	-99.000	-99.000	-98
11.	3043.	-99.000	-99.000	-98
11.	3051.	-99.000	-99.000	-98
11.	3056.	-99.000	-99.000	-98
11.	3063.	-99.000	-99.000	-98
11.	3067.	-99.000	-99.000	-98
11.	3074.	-99.000	-99.000	-98
11.	3080.	-99.000	-99.000	-98
11.	3080.	-99.000	-99.000	-98
11.	3086.	-99.000	-99.000	-98
11.	3094.	-99.000	-99.000	-98
11.	3099.	-99.000	-99.000	-98
11.	3106.	-99.000	-99.000	-98

VARIABLE% GAMA RAY MAX% 485.000 MIN% 0.000 F% .130

SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	-99.000	-99.000	-98
1. 2782.	-99.000	-99.000	-98
1. 2787.	-99.000	-99.000	-98
1. 2797.	-99.000	-99.000	-98
1. 2802.	-99.000	-99.000	-98
1. 2827.	-99.000	-99.000	-98
1. 2832.	-99.000	-99.000	-98
1. 2837.	-99.000	-99.000	-98
1. 2842.	-99.000	-99.000	-98
1. 2852.	-99.000	-99.000	-98
1. 2897.	-99.000	-99.000	-98
1. 2927.	-99.000	-99.000	-98
1. 2937.	-99.000	-99.000	-98
1. 2941.	-99.000	-99.000	-98
1. 2947.	-99.000	-99.000	-98
1. 2959.	-99.000	-99.000	-98
1. 2964.	-99.000	-99.000	-98
1. 2994.	-99.000	-99.000	-98
1. 2999.	-99.000	-99.000	-98
1. 3039.	-99.000	-99.000	-98
1. 3064.	-99.000	-99.000	-98
1. 3085.	-99.000	-99.000	-98
1. 3090.	-99.000	-99.000	-98
1. 3100.	-99.000	-99.000	-98
1. 3181.	-99.000	-99.000	-98
1. 3135.	-99.000	-99.000	-98
1. 3140.	-99.000	-99.000	-98
1. 3145.	-99.000	-99.000	-98
1. 3150.	-99.000	-99.000	-98
1. 3155.	-99.000	-99.000	-98
1. 3165.	-99.000	-99.000	-98
1. 3175.	-99.000	-99.000	-98
1. 3180.	-99.000	-99.000	-98
1. 3198.	-99.000	-99.000	-98
1. 3218.	-99.000	-99.000	-98
1. 3228.	-99.000	-99.000	-98
1. 3229.	-99.000	-99.000	-98
1. 3243.	-99.000	-99.000	-98
1. 3248.	-99.000	-99.000	-98
1. 3268.	-99.000	-99.000	-98
1. 3276.	-99.000	-99.000	-98
1. 3290.	-99.000	-99.000	-98
1. 3310.	-99.000	-99.000	-98
1. 3316.	-99.000	-99.000	-98
1. 3326.	-99.000	-99.000	-98
1. 3341.	-99.000	-99.000	-98
1. 3346.	-99.000	-99.000	-98
1. 3366.	-99.000	-99.000	-98
1. 3381.	-99.000	-99.000	-98

SAMPLE ID		X	TRANS	INT
1.	3396.	-99.000	-99.000	-98
1.	3426.	-99.000	-99.000	-98
1.	3467.	-99.000	-99.000	-98
1.	3482.	-99.000	-99.000	-98
1.	3583.	-99.000	-99.000	-98
1.	3588.	-99.000	-99.000	-98
1.	3543.	-99.000	-99.000	-98
1.	3553.	-99.000	-99.000	-98
1.	3573.	-99.000	-99.000	-98
1.	3578.	-99.000	-99.000	-98
1.	3588.	-99.000	-99.000	-98
1.	3593.	-99.000	-99.000	-98
1.	3606.	-99.000	-99.000	-98
1.	3631.	-99.000	-99.000	-98
1.	3636.	-99.000	-99.000	-98
1.	3651.	-99.000	-99.000	-98
1.	3701.	-99.000	-99.000	-98
1.	3724.	-99.000	-99.000	-98
1.	3748.	-99.000	-99.000	-98
1.	3773.	-99.000	-99.000	-98
1.	3782.	-99.000	-99.000	-98
1.	3792.	-99.000	-99.000	-98
1.	3797.	-99.000	-99.000	-98
1.	3807.	-99.000	-99.000	-98
1.	3818.	-99.000	-99.000	-98
1.	3849.	-99.000	-99.000	-98
1.	3859.	-99.000	-99.000	-98
1.	3860.	-99.000	-99.000	-98
1.	3869.	-99.000	-99.000	-98
1.	3874.	-99.000	-99.000	-98
1.	3888.	-99.000	-99.000	-98
1.	3908.	-99.000	-99.000	-98
1.	3925.	-99.000	-99.000	-98
1.	3939.	-99.000	-99.000	-98
1.	3998.	-99.000	-99.000	-98
1.	4045.	-99.000	-99.000	-98
2.	2655.	170.000	22.082	22
2.	2710.	170.000	22.082	22
2.	2761.	160.000	20.784	20
2.	3000.	185.000	24.031	24
2.	3025.	180.000	23.381	23
2.	3050.	205.000	26.629	26
2.	3101.	190.000	24.680	24
2.	3303.	195.000	25.330	25
2.	3328.	185.000	24.031	24
2.	3378.	105.000	13.639	13
2.	3428.	60.000	7.794	7
2.	3478.	210.000	27.278	27
2.	3528.	240.000	31.175	31
2.	3896.	280.000	36.371	36

SAMPLE ID	X	TRANS	INT
2. 3922.	240.000	31.175	31
2. 3961.	190.000	24.680	24
2. 3971.	260.000	33.773	33
3. 2434.	-99.000	-99.000	-98
3. 2444.	-99.000	-99.000	-98
3. 2454.	-99.000	-99.000	-98
3. 2463.	-99.000	-99.000	-98
3. 2464.	-99.000	-99.000	-98
3. 2474.	-99.000	-99.000	-98
3. 2494.	-99.000	-99.000	-98
3. 2504.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2524.	-99.000	-99.000	-98
3. 2534.	-99.000	-99.000	-98
3. 2545.	-99.000	-99.000	-98
3. 2555.	-99.000	-99.000	-98
3. 2565.	-99.000	-99.000	-98
3. 2565.	-99.000	-99.000	-98
3. 2575.	-99.000	-99.000	-98
3. 2586.	-99.000	-99.000	-98
3. 2588.	-99.000	-99.000	-98
3. 2595.	-99.000	-99.000	-98
3. 2607.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
3. 2637.	-99.000	-99.000	-98
3. 2646.	-99.000	-99.000	-98
3. 2656.	-99.000	-99.000	-98
3. 2666.	-99.000	-99.000	-98
3. 2666.	-99.000	-99.000	-98
3. 2676.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2705.	-99.000	-99.000	-98
3. 2715.	-99.000	-99.000	-98
3. 2725.	-99.000	-99.000	-98
3. 2725.	-99.000	-99.000	-98
3. 2735.	-99.000	-99.000	-98
3. 2745.	-99.000	-99.000	-98
3. 2755.	-99.000	-99.000	-98
3. 2763.	-99.000	-99.000	-98
3. 2773.	-99.000	-99.000	-98
3. 2784.	-99.000	-99.000	-98
3. 2784.	-99.000	-99.000	-98
3. 2793.	-99.000	-99.000	-98
3. 2802.	-99.000	-99.000	-98
3. 2814.	-99.000	-99.000	-98
3. 2822.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 2830.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2852.	-99.000	-99.000	-98
3. 2862.	-99.000	-99.000	-98
3. 2872.	-99.000	-99.000	-98
3. 2881.	-99.000	-99.000	-98
3. 2891.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2911.	-99.000	-99.000	-98
3. 2921.	-99.000	-99.000	-98
3. 2931.	-99.000	-99.000	-98
3. 2940.	-99.000	-99.000	-98
3. 2950.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2970.	-99.000	-99.000	-98
3. 2980.	-99.000	-99.000	-98
3. 2990.	-99.000	-99.000	-98
3. 2999.	-99.000	-99.000	-98
3. 3009.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3029.	-99.000	-99.000	-98
3. 3030.	-99.000	-99.000	-98
3. 3040.	-99.000	-99.000	-98
3. 3054.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3079.	-99.000	-99.000	-98
3. 3089.	-99.000	-99.000	-98
3. 3099.	-99.000	-99.000	-98
3. 3107.	-99.000	-99.000	-98
3. 3117.	-99.000	-99.000	-98
3. 3127.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3146.	-99.000	-99.000	-98
3. 3157.	-99.000	-99.000	-98
3. 3166.	-99.000	-99.000	-98
3. 3176.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3206.	-99.000	-99.000	-98
3. 3216.	-99.000	-99.000	-98
3. 3224.	-99.000	-99.000	-98
3. 3234.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 3244.	-99.000	-99.000	-98
3. 3244.	-99.000	-99.000	-98
3. 3254.	-99.000	-99.000	-98
3. 3264.	-99.000	-99.000	-98
3. 3274.	-99.000	-99.000	-98
3. 3284.	-99.000	-99.000	-98
3. 3294.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3310.	-99.000	-99.000	-98
3. 3315.	-99.000	-99.000	-98
3. 3325.	-99.000	-99.000	-98
3. 3335.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3355.	-99.000	-99.000	-98
3. 3365.	-99.000	-99.000	-98
3. 3375.	-99.000	-99.000	-98
3. 3384.	-99.000	-99.000	-98
3. 3394.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
4. 4872.	-99.000	-99.000	-98
4. 4882.	-99.000	-99.000	-98
4. 4892.	-99.000	-99.000	-98
4. 4902.	-99.000	-99.000	-98
4. 4912.	-99.000	-99.000	-98
4. 4922.	-99.000	-99.000	-98
4. 4930.	-99.000	-99.000	-98
4. 4940.	-99.000	-99.000	-98
4. 4950.	-99.000	-99.000	-98
4. 4960.	-99.000	-99.000	-98
4. 4970.	-99.000	-99.000	-98
4. 4980.	-99.000	-99.000	-98
4. 5212.	-99.000	-99.000	-98
4. 5222.	-99.000	-99.000	-98
4. 5232.	-99.000	-99.000	-98
4. 5242.	-99.000	-99.000	-98
4. 5253.	-99.000	-99.000	-98
4. 5263.	-99.000	-99.000	-98
4. 5273.	-99.000	-99.000	-98
4. 5283.	-99.000	-99.000	-98
4. 5293.	-99.000	-99.000	-98
4. 5303.	-99.000	-99.000	-98
4. 5312.	-99.000	-99.000	-98
4. 5322.	-99.000	-99.000	-98
4. 5332.	-99.000	-99.000	-98
4. 5342.	-99.000	-99.000	-98
4. 5347.	-99.000	-99.000	-98
4. 5357.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
4. 5362.	-99.000	-99.000	-98
4. 5372.	-99.000	-99.000	-98
4. 5382.	-99.000	-99.000	-98
4. 5394.	-99.000	-99.000	-98
4. 5404.	-99.000	-99.000	-98
4. 5414.	-99.000	-99.000	-98
4. 5424.	-99.000	-99.000	-98
4. 5434.	-99.000	-99.000	-98
4. 5444.	-99.000	-99.000	-98
4. 5447.	-99.000	-99.000	-98
4. 5457.	-99.000	-99.000	-98
4. 5467.	-99.000	-99.000	-98
5. 321.	-99.000	-99.000	-98
5. 331.	-99.000	-99.000	-98
5. 341.	-99.000	-99.000	-98
5. 344.	-99.000	-99.000	-98
5. 354.	-99.000	-99.000	-98
5. 365.	-99.000	-99.000	-98
5. 372.	-99.000	-99.000	-98
5. 382.	-99.000	-99.000	-98
5. 392.	-99.000	-99.000	-98
5. 401.	-99.000	-99.000	-98
5. 411.	-99.000	-99.000	-98
5. 421.	-99.000	-99.000	-98
5. 431.	-99.000	-99.000	-98
5. 441.	-99.000	-99.000	-98
5. 451.	-99.000	-99.000	-98
5. 458.	-99.000	-99.000	-98
5. 468.	-99.000	-99.000	-98
5. 478.	-99.000	-99.000	-98
5. 485.	-99.000	-99.000	-98
5. 495.	-99.000	-99.000	-98
5. 505.	-99.000	-99.000	-98
5. 515.	-99.000	-99.000	-98
5. 525.	-99.000	-99.000	-98
5. 537.	-99.000	-99.000	-98
5. 547.	-99.000	-99.000	-98
5. 557.	-99.000	-99.000	-98
5. 564.	-99.000	-99.000	-98
5. 574.	-99.000	-99.000	-98
5. 584.	-99.000	-99.000	-98
5. 592.	-99.000	-99.000	-98
5. 602.	-99.000	-99.000	-98
6. 927.	-99.000	-99.000	-98
6. 937.	-99.000	-99.000	-98
6. 947.	-99.000	-99.000	-98
6. 951.	-99.000	-99.000	-98
6. 961.	-99.000	-99.000	-98
6. 971.	-99.000	-99.000	-98
6. 980.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
6. 990.	-99.000	-99.000	-98
6. 1000.	-99.000	-99.000	-98
6. 1010.	-99.000	-99.000	-98
6. 1020.	-99.000	-99.000	-98
6. 1030.	-99.000	-99.000	-98
6. 1040.	-99.000	-99.000	-98
6. 1050.	-99.000	-99.000	-98
6. 1060.	-99.000	-99.000	-98
6. 1070.	-99.000	-99.000	-98
6. 1080.	-99.000	-99.000	-98
6. 1090.	-99.000	-99.000	-98
6. 1100.	-99.000	-99.000	-98
6. 1110.	-99.000	-99.000	-98
6. 1120.	-99.000	-99.000	-98
6. 1130.	-99.000	-99.000	-98
6. 1140.	-99.000	-99.000	-98
7. 2183.	365.000	47.412	47
7. 2191.	365.000	47.412	47
7. 2220.	290.000	37.670	37
7. 2230.	360.000	46.763	46
7. 2239.	190.000	24.680	24
7. 2251.	180.000	23.381	23
7. 2259.	260.000	33.773	33
7. 2271.	180.000	23.381	23
7. 2281.	150.000	19.485	19
7. 2290.	150.000	19.485	19
7. 2300.	160.000	20.784	20
7. 2310.	180.000	23.381	23
7. 2319.	200.000	25.979	25
8. 2495.	-99.000	-99.000	-98
8. 2505.	-99.000	-99.000	-98
8. 2515.	-99.000	-99.000	-98
8. 2528.	-99.000	-99.000	-98
8. 2536.	-99.000	-99.000	-98
8. 2547.	-99.000	-99.000	-98
8. 2554.	-99.000	-99.000	-98
8. 2565.	-99.000	-99.000	-98
8. 2575.	-99.000	-99.000	-98
8. 2585.	-99.000	-99.000	-98
8. 2595.	-99.000	-99.000	-98
9. 3494.	60.000	7.794	7
9. 3506.	150.000	19.485	19
9. 3516.	0.000	0.000	0
9. 3526.	30.000	3.897	3
9. 3536.	75.000	9.742	9
9. 3545.	100.000	12.990	12
9. 3555.	485.000	63.000	63
9. 3564.	75.000	9.742	9
9. 3575.	25.000	3.247	3
9. 3585.	120.000	15.588	15

SAMPLE ID		X	TRANS	INT
9.	3593.	185.000	24.031	24
9.	3605.	120.000	15.588	15
9.	3606.	125.000	16.237	16
9.	3606.	125.000	16.237	16
9.	3616.	115.000	14.938	14
9.	3626.	75.000	9.742	9
9.	3634.	50.000	6.495	6
9.	3644.	110.000	14.289	14
9.	3644.	110.000	14.289	14
9.	3665.	50.000	6.495	6
9.	3675.	100.000	12.990	12
9.	3685.	75.000	9.742	9
9.	3695.	75.000	9.742	9
9.	3705.	50.000	6.495	6
9.	3711.	50.000	6.495	6
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10.	2710.	-99.000	-99.000	-98
10.	2720.	-99.000	-99.000	-98
10.	2730.	-99.000	-99.000	-98
10.	2740.	-99.000	-99.000	-98
10.	2750.	-99.000	-99.000	-98
10.	2753.	-99.000	-99.000	-98
10.	2763.	-99.000	-99.000	-98
10.	2773.	-99.000	-99.000	-98
10.	2783.	-99.000	-99.000	-98
10.	2793.	-99.000	-99.000	-98
10.	2803.	-99.000	-99.000	-98
10.	2811.	-99.000	-99.000	-98
10.	2821.	-99.000	-99.000	-98
10.	2841.	-99.000	-99.000	-98
10.	2851.	-99.000	-99.000	-98
10.	2861.	-99.000	-99.000	-98
10.	2869.	-99.000	-99.000	-98
10.	2879.	-99.000	-99.000	-98
10.	2889.	-99.000	-99.000	-98
10.	2899.	-99.000	-99.000	-98
10.	2909.	-99.000	-99.000	-98
10.	2919.	-99.000	-99.000	-98
10.	2927.	-99.000	-99.000	-98
10.	2937.	-99.000	-99.000	-98
10.	2947.	-99.000	-99.000	-98
10.	2957.	-99.000	-99.000	-98
10.	2967.	-99.000	-99.000	-98
10.	2977.	-99.000	-99.000	-98
10.	2985.	-99.000	-99.000	-98
10.	2995.	-99.000	-99.000	-98
10.	3005.	-99.000	-99.000	-98
10.	3015.	-99.000	-99.000	-98
10.	3025.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
10. 3035.	-99.000	-99.000	-98
10. 3044.	-99.000	-99.000	-98
10. 3054.	-99.000	-99.000	-98
10. 3064.	-99.000	-99.000	-98
10. 3074.	-99.000	-99.000	-98
10. 3084.	-99.000	-99.000	-98
10. 3094.	-99.000	-99.000	-98
10. 3102.	-99.000	-99.000	-98
10. 3112.	-99.000	-99.000	-98
10. 3122.	-99.000	-99.000	-98
10. 3132.	-99.000	-99.000	-98
10. 3144.	-99.000	-99.000	-98
10. 3152.	-99.000	-99.000	-98
10. 3161.	-99.000	-99.000	-98
10. 3171.	-99.000	-99.000	-98
10. 3181.	-99.000	-99.000	-98
10. 3191.	-99.000	-99.000	-98
10. 3201.	-99.000	-99.000	-98
10. 3211.	-99.000	-99.000	-98
10. 3220.	-99.000	-99.000	-98
10. 3230.	-99.000	-99.000	-98
10. 3240.	-99.000	-99.000	-98
10. 3253.	-99.000	-99.000	-98
10. 3262.	-99.000	-99.000	-98
10. 3272.	-99.000	-99.000	-98
10. 3282.	-99.000	-99.000	-98
10. 3292.	-99.000	-99.000	-98
10. 3302.	-99.000	-99.000	-98
10. 3311.	-99.000	-99.000	-98
10. 3321.	-99.000	-99.000	-98
10. 3331.	-99.000	-99.000	-98
10. 3341.	-99.000	-99.000	-98
10. 3351.	-99.000	-99.000	-98
10. 3361.	-99.000	-99.000	-98
10. 3369.	-99.000	-99.000	-98
10. 3380.	-99.000	-99.000	-98
10. 3389.	-99.000	-99.000	-98
11. 3012.	-99.000	-99.000	-98
11. 3022.	-99.000	-99.000	-98
11. 3043.	-99.000	-99.000	-98
11. 3051.	-99.000	-99.000	-98
11. 3056.	-99.000	-99.000	-98
11. 3063.	-99.000	-99.000	-98
11. 3067.	-99.000	-99.000	-98
11. 3074.	-99.000	-99.000	-98
11. 3080.	-99.000	-99.000	-98
11. 3080.	-99.000	-99.000	-98
11. 3086.	-99.000	-99.000	-98
11. 3094.	-99.000	-99.000	-98
11. 3099.	-99.000	-99.000	-98
11. 3106.	-99.000	-99.000	-98

VARIABLE% RESISTIVITY MAX% 2005.000 MIN% 16.000 F% .03;

SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	-99.000	-99.000	-98
1. 2782.	-99.000	-99.000	-98
1. 2787.	-99.000	-99.000	-98
1. 2797.	-99.000	-99.000	-98
1. 2802.	-99.000	-99.000	-98
1. 2827.	-99.000	-99.000	-98
1. 2832.	-99.000	-99.000	-98
1. 2837.	-99.000	-99.000	-98
1. 2842.	-99.000	-99.000	-98
1. 2852.	-99.000	-99.000	-98
1. 2897.	-99.000	-99.000	-98
1. 2927.	-99.000	-99.000	-98
1. 2937.	-99.000	-99.000	-98
1. 2941.	-99.000	-99.000	-98
1. 2947.	-99.000	-99.000	-98
1. 2959.	-99.000	-99.000	-98
1. 2964.	-99.000	-99.000	-98
1. 2994.	-99.000	-99.000	-98
1. 2999.	-99.000	-99.000	-98
1. 3039.	-99.000	-99.000	-98
1. 3064.	-99.000	-99.000	-98
1. 3085.	-99.000	-99.000	-98
1. 3090.	-99.000	-99.000	-98
1. 3100.	-99.000	-99.000	-98
1. 3181.	-99.000	-99.000	-98
1. 3135.	-99.000	-99.000	-98
1. 3140.	-99.000	-99.000	-98
1. 3145.	-99.000	-99.000	-98
1. 3150.	-99.000	-99.000	-98
1. 3155.	-99.000	-99.000	-98
1. 3165.	-99.000	-99.000	-98
1. 3175.	-99.000	-99.000	-98
1. 3180.	-99.000	-99.000	-98
1. 3198.	-99.000	-99.000	-98
1. 3218.	-99.000	-99.000	-98
1. 3228.	-99.000	-99.000	-98
1. 3229.	-99.000	-99.000	-98
1. 3243.	-99.000	-99.000	-98
1. 3248.	-99.000	-99.000	-98
1. 3268.	-99.000	-99.000	-98
1. 3276.	-99.000	-99.000	-98
1. 3290.	-99.000	-99.000	-98
1. 3310.	-99.000	-99.000	-98
1. 3316.	-99.000	-99.000	-98
1. 3326.	-99.000	-99.000	-98
1. 3341.	-99.000	-99.000	-98
1. 3346.	-99.000	-99.000	-98
1. 3366.	-99.000	-99.000	-98
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	-99.000	-99.000	-98
1. 3426.	-99.000	-99.000	-98
1. 3467.	-99.000	-99.000	-98
1. 3482.	-99.000	-99.000	-98
1. 3583.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3543.	-99.000	-99.000	-98
1. 3553.	-99.000	-99.000	-98
1. 3573.	-99.000	-99.000	-98
1. 3578.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3593.	-99.000	-99.000	-98
1. 3606.	-99.000	-99.000	-98
1. 3631.	-99.000	-99.000	-98
1. 3636.	-99.000	-99.000	-98
1. 3651.	-99.000	-99.000	-98
1. 3701.	-99.000	-99.000	-98
1. 3724.	-99.000	-99.000	-98
1. 3748.	-99.000	-99.000	-98
1. 3773.	-99.000	-99.000	-98
1. 3782.	-99.000	-99.000	-98
1. 3792.	-99.000	-99.000	-98
1. 3797.	-99.000	-99.000	-98
1. 3807.	-99.000	-99.000	-98
1. 3818.	-99.000	-99.000	-98
1. 3849.	-99.000	-99.000	-98
1. 3859.	-99.000	-99.000	-98
1. 3860.	-99.000	-99.000	-98
1. 3869.	-99.000	-99.000	-98
1. 3874.	-99.000	-99.000	-98
1. 3888.	-99.000	-99.000	-98
1. 3908.	-99.000	-99.000	-98
1. 3925.	-99.000	-99.000	-98
1. 3939.	-99.000	-99.000	-98
1. 3998.	-99.000	-99.000	-98
1. 4045.	-99.000	-99.000	-98
2. 2655.	55.000	1.235	1
2. 2710.	70.000	1.710	1
2. 2761.	115.000	3.136	3
2. 3000.	190.000	5.511	5
2. 3025.	50.000	1.077	1
2. 3050.	45.000	.919	0
2. 3101.	70.000	1.710	1
2. 3303.	28.000	.380	0
2. 3328.	40.000	.760	0
2. 3378.	70.000	1.710	1
2. 3428.	110.000	2.977	2
2. 3478.	100.000	2.661	2
2. 3528.	100.000	2.661	2
2. 3896.	100.000	2.661	2

SAMPLE ID	X	TRANS	INT
2. 3922.	16.000	0.000	0
2. 3961.	2000.000	62.842	62
2. 3971.	450.000	13.747	13
3. 2434.	-99.000	-99.000	-98
3. 2444.	-99.000	-99.000	-98
3. 2454.	-99.000	-99.000	-98
3. 2463.	-99.000	-99.000	-98
3. 2464.	-99.000	-99.000	-98
3. 2474.	-99.000	-99.000	-98
3. 2494.	-99.000	-99.000	-98
3. 2504.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2524.	-99.000	-99.000	-98
3. 2534.	-99.000	-99.000	-98
3. 2545.	-99.000	-99.000	-98
3. 2555.	-99.000	-99.000	-98
3. 2565.	-99.000	-99.000	-98
3. 2565.	-99.000	-99.000	-98
3. 2575.	-99.000	-99.000	-98
3. 2586.	-99.000	-99.000	-98
3. 2588.	-99.000	-99.000	-98
3. 2595.	-99.000	-99.000	-98
3. 2607.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
3. 2637.	-99.000	-99.000	-98
3. 2646.	-99.000	-99.000	-98
3. 2656.	-99.000	-99.000	-98
3. 2666.	-99.000	-99.000	-98
3. 2666.	-99.000	-99.000	-98
3. 2676.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2696.	-99.000	-99.000	-98
3. 2705.	-99.000	-99.000	-98
3. 2715.	-99.000	-99.000	-98
3. 2725.	-99.000	-99.000	-98
3. 2725.	-99.000	-99.000	-98
3. 2735.	-99.000	-99.000	-98
3. 2745.	-99.000	-99.000	-98
3. 2755.	-99.000	-99.000	-98
3. 2763.	-99.000	-99.000	-98
3. 2773.	-99.000	-99.000	-98
3. 2784.	-99.000	-99.000	-98
3. 2784.	-99.000	-99.000	-98
3. 2793.	-99.000	-99.000	-98
3. 2802.	-99.000	-99.000	-98
3. 2814.	-99.000	-99.000	-98
3. 2822.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 2830.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2852.	-99.000	-99.000	-98
3. 2862.	-99.000	-99.000	-98
3. 2872.	-99.000	-99.000	-98
3. 2881.	-99.000	-99.000	-98
3. 2891.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2911.	-99.000	-99.000	-98
3. 2921.	-99.000	-99.000	-98
3. 2931.	-99.000	-99.000	-98
3. 2940.	-99.000	-99.000	-98
3. 2950.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2970.	-99.000	-99.000	-98
3. 2980.	-99.000	-99.000	-98
3. 2990.	-99.000	-99.000	-98
3. 2999.	-99.000	-99.000	-98
3. 3009.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3029.	-99.000	-99.000	-98
3. 3038.	-99.000	-99.000	-98
3. 3049.	-99.000	-99.000	-98
3. 3054.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3079.	-99.000	-99.000	-98
3. 3089.	-99.000	-99.000	-98
3. 3099.	-99.000	-99.000	-98
3. 3107.	-99.000	-99.000	-98
3. 3117.	-99.000	-99.000	-98
3. 3127.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3146.	-99.000	-99.000	-98
3. 3157.	-99.000	-99.000	-98
3. 3166.	-99.000	-99.000	-98
3. 3176.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3206.	-99.000	-99.000	-98
3. 3216.	-99.000	-99.000	-98
3. 3224.	-99.000	-99.000	-98
3. 3234.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 3244.	-99.000	-99.000	-98
3. 3244.	-99.000	-99.000	-98
3. 3254.	-99.000	-99.000	-98
3. 3264.	-99.000	-99.000	-98
3. 3274.	-99.000	-99.000	-98
3. 3284.	-99.000	-99.000	-98
3. 3294.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3310.	-99.000	-99.000	-98
3. 3315.	-99.000	-99.000	-98
3. 3325.	-99.000	-99.000	-98
3. 3335.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3355.	-99.000	-99.000	-98
3. 3365.	-99.000	-99.000	-98
3. 3375.	-99.000	-99.000	-98
3. 3384.	-99.000	-99.000	-98
3. 3394.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
4. 4872.	-99.000	-99.000	-98
4. 4882.	-99.000	-99.000	-98
4. 4892.	-99.000	-99.000	-98
4. 4902.	-99.000	-99.000	-98
4. 4912.	-99.000	-99.000	-98
4. 4922.	-99.000	-99.000	-98
4. 4930.	-99.000	-99.000	-98
4. 4940.	-99.000	-99.000	-98
4. 4950.	-99.000	-99.000	-98
4. 4960.	-99.000	-99.000	-98
4. 4970.	-99.000	-99.000	-98
4. 4980.	-99.000	-99.000	-98
4. 5212.	-99.000	-99.000	-98
4. 5222.	-99.000	-99.000	-98
4. 5232.	-99.000	-99.000	-98
4. 5242.	-99.000	-99.000	-98
4. 5253.	-99.000	-99.000	-98
4. 5263.	-99.000	-99.000	-98
4. 5273.	-99.000	-99.000	-98
4. 5283.	-99.000	-99.000	-98
4. 5293.	-99.000	-99.000	-98
4. 5303.	-99.000	-99.000	-98
4. 5312.	-99.000	-99.000	-98
4. 5322.	-99.000	-99.000	-98
4. 5332.	-99.000	-99.000	-98
4. 5342.	-99.000	-99.000	-98
4. 5347.	-99.000	-99.000	-98
4. 5357.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
4. 5362.	-99.000	-99.000	-98
4. 5372.	-99.000	-99.000	-98
4. 5382.	-99.000	-99.000	-98
4. 5394.	-99.000	-99.000	-98
4. 5404.	-99.000	-99.000	-98
4. 5414.	-99.000	-99.000	-98
4. 5424.	-99.000	-99.000	-98
4. 5434.	-99.000	-99.000	-98
4. 5444.	-99.000	-99.000	-98
4. 5447.	-99.000	-99.000	-98
4. 5457.	-99.000	-99.000	-98
4. 5467.	-99.000	-99.000	-98
5. 321.	-99.000	-99.000	-98
5. 331.	-99.000	-99.000	-98
5. 341.	-99.000	-99.000	-98
5. 344.	-99.000	-99.000	-98
5. 354.	-99.000	-99.000	-98
5. 365.	-99.000	-99.000	-98
5. 372.	-99.000	-99.000	-98
5. 382.	-99.000	-99.000	-98
5. 392.	-99.000	-99.000	-98
5. 401.	-99.000	-99.000	-98
5. 411.	-99.000	-99.000	-98
5. 421.	-99.000	-99.000	-98
5. 431.	-99.000	-99.000	-98
5. 441.	-99.000	-99.000	-98
5. 451.	-99.000	-99.000	-98
5. 458.	-99.000	-99.000	-98
5. 468.	-99.000	-99.000	-98
5. 478.	-99.000	-99.000	-98
5. 485.	-99.000	-99.000	-98
5. 495.	-99.000	-99.000	-98
5. 505.	-99.000	-99.000	-98
5. 515.	-99.000	-99.000	-98
5. 525.	-99.000	-99.000	-98
5. 537.	-99.000	-99.000	-98
5. 547.	-99.000	-99.000	-98
5. 557.	-99.000	-99.000	-98
5. 564.	-99.000	-99.000	-98
5. 574.	-99.000	-99.000	-98
5. 584.	-99.000	-99.000	-98
5. 592.	-99.000	-99.000	-98
5. 602.	-99.000	-99.000	-98
6. 927.	-99.000	-99.000	-98
6. 937.	-99.000	-99.000	-98
6. 947.	-99.000	-99.000	-98
6. 951.	-99.000	-99.000	-98
6. 961.	-99.000	-99.000	-98
6. 971.	-99.000	-99.000	-98
6. 980.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
6. 990.	-99.000	-99.000	-98
6. 1000.	-99.000	-99.000	-98
6. 1010.	-99.000	-99.000	-98
6. 1020.	-99.000	-99.000	-98
6. 1030.	-99.000	-99.000	-98
6. 1040.	-99.000	-99.000	-98
6. 1050.	-99.000	-99.000	-98
6. 1060.	-99.000	-99.000	-98
6. 1070.	-99.000	-99.000	-98
6. 1080.	-99.000	-99.000	-98
6. 1090.	-99.000	-99.000	-98
6. 1100.	-99.000	-99.000	-98
6. 1110.	-99.000	-99.000	-98
6. 1120.	-99.000	-99.000	-98
6. 1130.	-99.000	-99.000	-98
6. 1140.	-99.000	-99.000	-98
7. 2183.	2005.000	63.000	63
7. 2191.	1500.000	47.005	47
7. 2220.	400.000	12.163	12
7. 2230.	150.000	4.244	4
7. 2239.	60.000	1.394	1
7. 2251.	100.000	2.661	2
7. 2259.	35.000	.602	0
7. 2271.	300.000	8.995	9
7. 2281.	1500.000	47.005	47
7. 2290.	550.000	16.914	16
7. 2300.	2000.000	62.842	62
7. 2310.	2000.000	62.842	62
7. 2319.	1500.000	47.005	47
8. 2495.	-99.000	-99.000	-98
8. 2505.	-99.000	-99.000	-98
8. 2515.	-99.000	-99.000	-98
8. 2528.	-99.000	-99.000	-98
8. 2536.	-99.000	-99.000	-98
8. 2547.	-99.000	-99.000	-98
8. 2554.	-99.000	-99.000	-98
8. 2565.	-99.000	-99.000	-98
8. 2575.	-99.000	-99.000	-98
8. 2585.	-99.000	-99.000	-98
8. 2595.	-99.000	-99.000	-98
9. 3494.	25.000	.285	0
9. 3506.	60.000	1.394	1
9. 3516.	33.000	.538	0
9. 3526.	33.000	.538	0
9. 3536.	28.000	.380	0
9. 3545.	33.000	.538	0
9. 3555.	50.000	1.077	1
9. 3564.	50.000	1.077	1
9. 3575.	125.000	3.452	3
9. 3585.	80.000	2.027	2

SAMPLE ID	X	TRANS	INT
9. 3593.	85.000	2.186	2
9. 3605.	150.000	4.244	4
9. 3606.	150.000	4.244	4
9. 3606.	150.000	4.244	4
9. 3616.	40.000	.760	0
9. 3626.	35.000	.602	0
9. 3634.	28.000	.380	0
9. 3644.	63.000	1.489	1
9. 3644.	63.000	1.489	1
9. 3665.	45.000	.919	0
9. 3675.	38.000	.697	0
9. 3685.	50.000	1.077	1
9. 3695.	50.000	1.077	1
9. 3705.	28.000	.380	0
9. 3711.	27.000	.348	0
10. 2700.	-99.000	-99.000	-98
10. 2710.	-99.000	-99.000	-98
10. 2720.	-99.000	-99.000	-98
10. 2730.	-99.000	-99.000	-98
10. 2740.	-99.000	-99.000	-98
10. 2750.	-99.000	-99.000	-98
10. 2753.	-99.000	-99.000	-98
10. 2763.	-99.000	-99.000	-98
10. 2773.	-99.000	-99.000	-98
10. 2783.	-99.000	-99.000	-98
10. 2793.	-99.000	-99.000	-98
10. 2803.	-99.000	-99.000	-98
10. 2811.	-99.000	-99.000	-98
10. 2821.	-99.000	-99.000	-98
10. 2841.	-99.000	-99.000	-98
10. 2851.	-99.000	-99.000	-98
10. 2861.	-99.000	-99.000	-98
10. 2869.	-99.000	-99.000	-98
10. 2879.	-99.000	-99.000	-98
10. 2889.	-99.000	-99.000	-98
10. 2899.	-99.000	-99.000	-98
10. 2909.	-99.000	-99.000	-98
10. 2919.	-99.000	-99.000	-98
10. 2927.	-99.000	-99.000	-98
10. 2937.	-99.000	-99.000	-98
10. 2947.	-99.000	-99.000	-98
10. 2957.	-99.000	-99.000	-98
10. 2967.	-99.000	-99.000	-98
10. 2977.	-99.000	-99.000	-98
10. 2985.	-99.000	-99.000	-98
10. 2995.	-99.000	-99.000	-98
10. 3005.	-99.000	-99.000	-98
10. 3015.	-99.000	-99.000	-98
10. 3025.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
10. 3035.	-99.000	-99.000	-98
10. 3044.	-99.000	-99.000	-98
10. 3054.	-99.000	-99.000	-98
10. 3064.	-99.000	-99.000	-98
10. 3074.	-99.000	-99.000	-98
10. 3084.	-99.000	-99.000	-98
10. 3094.	-99.000	-99.000	-98
10. 3102.	-99.000	-99.000	-98
10. 3112.	-99.000	-99.000	-98
10. 3122.	-99.000	-99.000	-98
10. 3132.	-99.000	-99.000	-98
10. 3144.	-99.000	-99.000	-98
10. 3152.	-99.000	-99.000	-98
10. 3161.	-99.000	-99.000	-98
10. 3171.	-99.000	-99.000	-98
10. 3181.	-99.000	-99.000	-98
10. 3191.	-99.000	-99.000	-98
10. 3201.	-99.000	-99.000	-98
10. 3211.	-99.000	-99.000	-98
10. 3220.	-99.000	-99.000	-98
10. 3230.	-99.000	-99.000	-98
10. 3240.	-99.000	-99.000	-98
10. 3253.	-99.000	-99.000	-98
10. 3262.	-99.000	-99.000	-98
10. 3272.	-99.000	-99.000	-98
10. 3282.	-99.000	-99.000	-98
10. 3292.	-99.000	-99.000	-98
10. 3302.	-99.000	-99.000	-98
10. 3311.	-99.000	-99.000	-98
10. 3321.	-99.000	-99.000	-98
10. 3331.	-99.000	-99.000	-98
10. 3341.	-99.000	-99.000	-98
10. 3351.	-99.000	-99.000	-98
10. 3361.	-99.000	-99.000	-98
10. 3369.	-99.000	-99.000	-98
10. 3380.	-99.000	-99.000	-98
10. 3389.	-99.000	-99.000	-98
11. 3012.	-99.000	-99.000	-98
11. 3022.	-99.000	-99.000	-98
11. 3043.	-99.000	-99.000	-98
11. 3051.	-99.000	-99.000	-98
11. 3056.	-99.000	-99.000	-98
11. 3063.	-99.000	-99.000	-98
11. 3067.	-99.000	-99.000	-98
11. 3074.	-99.000	-99.000	-98
11. 3080.	-99.000	-99.000	-98
11. 3080.	-99.000	-99.000	-98
11. 3086.	-99.000	-99.000	-98
11. 3094.	-99.000	-99.000	-98
11. 3099.	-99.000	-99.000	-98
11. 3106.	-99.000	-99.000	-98

VARIABLE% CONDUCTIVITY MAX% 40.000 MIN% 0.000 F% 1.575

SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	-99.000	-99.000	-98
1. 2782.	-99.000	-99.000	-98
1. 2787.	-99.000	-99.000	-98
1. 2797.	-99.000	-99.000	-98
1. 2802.	-99.000	-99.000	-98
1. 2827.	-99.000	-99.000	-98
1. 2832.	-99.000	-99.000	-98
1. 2837.	-99.000	-99.000	-98
1. 2842.	-99.000	-99.000	-98
1. 2852.	-99.000	-99.000	-98
1. 2897.	-99.000	-99.000	-98
1. 2927.	-99.000	-99.000	-98
1. 2937.	-99.000	-99.000	-98
1. 2941.	-99.000	-99.000	-98
1. 2947.	-99.000	-99.000	-98
1. 2959.	-99.000	-99.000	-98
1. 2964.	-99.000	-99.000	-98
1. 2994.	-99.000	-99.000	-98
1. 2999.	-99.000	-99.000	-98
1. 3039.	-99.000	-99.000	-98
1. 3064.	-99.000	-99.000	-98
1. 3085.	-99.000	-99.000	-98
1. 3090.	-99.000	-99.000	-98
1. 3100.	-99.000	-99.000	-98
1. 3181.	-99.000	-99.000	-98
1. 3135.	-99.000	-99.000	-98
1. 3140.	-99.000	-99.000	-98
1. 3145.	-99.000	-99.000	-98
1. 3150.	-99.000	-99.000	-98
1. 3155.	-99.000	-99.000	-98
1. 3165.	-99.000	-99.000	-98
1. 3175.	-99.000	-99.000	-98
1. 3180.	-99.000	-99.000	-98
1. 3198.	-99.000	-99.000	-98
1. 3218.	-99.000	-99.000	-98
1. 3228.	-99.000	-99.000	-98
1. 3229.	-99.000	-99.000	-98
1. 3243.	-99.000	-99.000	-98
1. 3248.	-99.000	-99.000	-98
1. 3268.	-99.000	-99.000	-98
1. 3276.	-99.000	-99.000	-98
1. 3290.	-99.000	-99.000	-98
1. 3310.	-99.000	-99.000	-98
1. 3316.	-99.000	-99.000	-98
1. 3326.	-99.000	-99.000	-98
1. 3341.	-99.000	-99.000	-98
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1. 3366.	-99.000	-99.000	-98
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	-99.000	-99.000	-98
1. 3426.	-99.000	-99.000	-98
1. 3467.	-99.000	-99.000	-98
1. 3482.	-99.000	-99.000	-98
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1. 3543.	-99.000	-99.000	-98
1. 3553.	-99.000	-99.000	-98
1. 3573.	-99.000	-99.000	-98
1. 3578.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3593.	-99.000	-99.000	-98
1. 3606.	-99.000	-99.000	-98
1. 3631.	-99.000	-99.000	-98
1. 3636.	-99.000	-99.000	-98
1. 3651.	-99.000	-99.000	-98
1. 3701.	-99.000	-99.000	-98
1. 3724.	-99.000	-99.000	-98
1. 3748.	-99.000	-99.000	-98
1. 3773.	-99.000	-99.000	-98
1. 3782.	-99.000	-99.000	-98
1. 3792.	-99.000	-99.000	-98
1. 3797.	-99.000	-99.000	-98
1. 3807.	-99.000	-99.000	-98
1. 3818.	-99.000	-99.000	-98
1. 3849.	-99.000	-99.000	-98
1. 3859.	-99.000	-99.000	-98
1. 3860.	-99.000	-99.000	-98
1. 3869.	-99.000	-99.000	-98
1. 3874.	-99.000	-99.000	-98
1. 3888.	-99.000	-99.000	-98
1. 3908.	-99.000	-99.000	-98
1. 3925.	-99.000	-99.000	-98
1. 3939.	-99.000	-99.000	-98
1. 3998.	-99.000	-99.000	-98
1. 4045.	-99.000	-99.000	-98
2. 2655.	-99.000	-99.000	-98
2. 2710.	-99.000	-99.000	-98
2. 2761.	-99.000	-99.000	-98
2. 3000.	-99.000	-99.000	-98
2. 3025.	-99.000	-99.000	-98
2. 3050.	-99.000	-99.000	-98
2. 3101.	-99.000	-99.000	-98
2. 3303.	-99.000	-99.000	-98
2. 3328.	-99.000	-99.000	-98
2. 3378.	-99.000	-99.000	-98
2. 3428.	-99.000	-99.000	-98
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2. 3528.	-99.000	-99.000	-98
2. 3896.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
2. 3922.	-99.000	-99.000	-98
2. 3961.	-99.000	-99.000	-98
2. 3971.	-99.000	-99.000	-98
3. 2434.	-99.000	-99.000	-98
3. 2444.	-99.000	-99.000	-98
3. 2454.	-99.000	-99.000	-98
3. 2463.	-99.000	-99.000	-98
3. 2464.	-99.000	-99.000	-98
3. 2474.	-99.000	-99.000	-98
3. 2494.	-99.000	-99.000	-98
3. 2504.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2524.	-99.000	-99.000	-98
3. 2534.	-99.000	-99.000	-98
3. 2545.	-99.000	-99.000	-98
3. 2555.	-99.000	-99.000	-98
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3. 2575.	-99.000	-99.000	-98
3. 2586.	-99.000	-99.000	-98
3. 2588.	-99.000	-99.000	-98
3. 2595.	-99.000	-99.000	-98
3. 2607.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
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3. 2646.	-99.000	-99.000	-98
3. 2656.	-99.000	-99.000	-98
3. 2666.	-99.000	-99.000	-98
3. 2666.	-99.000	-99.000	-98
3. 2676.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2696.	-99.000	-99.000	-98
3. 2705.	-99.000	-99.000	-98
3. 2715.	-99.000	-99.000	-98
3. 2725.	-99.000	-99.000	-98
3. 2725.	-99.000	-99.000	-98
3. 2735.	-99.000	-99.000	-98
3. 2745.	-99.000	-99.000	-98
3. 2755.	-99.000	-99.000	-98
3. 2763.	-99.000	-99.000	-98
3. 2773.	-99.000	-99.000	-98
3. 2784.	-99.000	-99.000	-98
3. 2784.	-99.000	-99.000	-98
3. 2793.	-99.000	-99.000	-98
3. 2802.	-99.000	-99.000	-98
3. 2814.	-99.000	-99.000	-98
3. 2822.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 2830.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2852.	-99.000	-99.000	-98
3. 2862.	-99.000	-99.000	-98
3. 2872.	-99.000	-99.000	-98
3. 2881.	-99.000	-99.000	-98
3. 2891.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2911.	-99.000	-99.000	-98
3. 2921.	-99.000	-99.000	-98
3. 2931.	-99.000	-99.000	-98
3. 2940.	-99.000	-99.000	-98
3. 2950.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2970.	-99.000	-99.000	-98
3. 2980.	-99.000	-99.000	-98
3. 2990.	-99.000	-99.000	-98
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3. 3038.	-99.000	-99.000	-98
3. 3049.	-99.000	-99.000	-98
3. 3054.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3079.	-99.000	-99.000	-98
3. 3089.	-99.000	-99.000	-98
3. 3099.	-99.000	-99.000	-98
3. 3107.	-99.000	-99.000	-98
3. 3117.	-99.000	-99.000	-98
3. 3127.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3146.	-99.000	-99.000	-98
3. 3157.	-99.000	-99.000	-98
3. 3166.	-99.000	-99.000	-98
3. 3176.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3206.	-99.000	-99.000	-98
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3. 3224.	-99.000	-99.000	-98
3. 3234.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 3244.	-99.000	-99.000	-98
3. 3244.	-99.000	-99.000	-98
3. 3254.	-99.000	-99.000	-98
3. 3264.	-99.000	-99.000	-98
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3. 3284.	-99.000	-99.000	-98
3. 3294.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3310.	-99.000	-99.000	-98
3. 3315.	-99.000	-99.000	-98
3. 3325.	-99.000	-99.000	-98
3. 3335.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3355.	-99.000	-99.000	-98
3. 3365.	-99.000	-99.000	-98
3. 3375.	-99.000	-99.000	-98
3. 3384.	-99.000	-99.000	-98
3. 3394.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
4. 4872.	-99.000	-99.000	-98
4. 4882.	-99.000	-99.000	-98
4. 4892.	-99.000	-99.000	-98
4. 4902.	-99.000	-99.000	-98
4. 4912.	-99.000	-99.000	-98
4. 4922.	-99.000	-99.000	-98
4. 4930.	-99.000	-99.000	-98
4. 4940.	-99.000	-99.000	-98
4. 4950.	-99.000	-99.000	-98
4. 4960.	-99.000	-99.000	-98
4. 4970.	-99.000	-99.000	-98
4. 4980.	-99.000	-99.000	-98
4. 5212.	-99.000	-99.000	-98
4. 5222.	-99.000	-99.000	-98
4. 5232.	-99.000	-99.000	-98
4. 5242.	-99.000	-99.000	-98
4. 5253.	-99.000	-99.000	-98
4. 5263.	-99.000	-99.000	-98
4. 5273.	-99.000	-99.000	-98
4. 5283.	-99.000	-99.000	-98
4. 5293.	-99.000	-99.000	-98
4. 5303.	-99.000	-99.000	-98
4. 5312.	-99.000	-99.000	-98
4. 5322.	-99.000	-99.000	-98
4. 5332.	-99.000	-99.000	-98
4. 5342.	-99.000	-99.000	-98
4. 5347.	-99.000	-99.000	-98
4. 5357.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
4. 5362.	-99.000	-99.000	-98
4. 5372.	-99.000	-99.000	-98
4. 5382.	-99.000	-99.000	-98
4. 5394.	-99.000	-99.000	-98
4. 5404.	-99.000	-99.000	-98
4. 5414.	-99.000	-99.000	-98
4. 5424.	-99.000	-99.000	-98
4. 5434.	-99.000	-99.000	-98
4. 5444.	-99.000	-99.000	-98
4. 5447.	-99.000	-99.000	-98
4. 5457.	-99.000	-99.000	-98
4. 5467.	-99.000	-99.000	-98
5. 321.	-99.000	-99.000	-98
5. 331.	-99.000	-99.000	-98
5. 341.	-99.000	-99.000	-98
5. 344.	-99.000	-99.000	-98
5. 354.	-99.000	-99.000	-98
5. 365.	-99.000	-99.000	-98
5. 372.	-99.000	-99.000	-98
5. 382.	-99.000	-99.000	-98
5. 392.	-99.000	-99.000	-98
5. 401.	-99.000	-99.000	-98
5. 411.	-99.000	-99.000	-98
5. 421.	-99.000	-99.000	-98
5. 431.	-99.000	-99.000	-98
5. 441.	-99.000	-99.000	-98
5. 451.	-99.000	-99.000	-98
5. 458.	-99.000	-99.000	-98
5. 468.	-99.000	-99.000	-98
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5. 495.	-99.000	-99.000	-98
5. 505.	-99.000	-99.000	-98
5. 515.	-99.000	-99.000	-98
5. 525.	-99.000	-99.000	-98
5. 537.	-99.000	-99.000	-98
5. 547.	-99.000	-99.000	-98
5. 557.	-99.000	-99.000	-98
5. 564.	-99.000	-99.000	-98
5. 574.	-99.000	-99.000	-98
5. 584.	-99.000	-99.000	-98
5. 592.	-99.000	-99.000	-98
5. 602.	-99.000	-99.000	-98
6. 927.	-99.000	-99.000	-98
6. 937.	-99.000	-99.000	-98
6. 947.	-99.000	-99.000	-98
6. 951.	-99.000	-99.000	-98
6. 961.	-99.000	-99.000	-98
6. 971.	-99.000	-99.000	-98
6. 980.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
6. 990.	-99.000	-99.000	-98
6. 1000.	-99.000	-99.000	-98
6. 1010.	-99.000	-99.000	-98
6. 1020.	-99.000	-99.000	-98
6. 1030.	-99.000	-99.000	-98
6. 1040.	-99.000	-99.000	-98
6. 1050.	-99.000	-99.000	-98
6. 1060.	-99.000	-99.000	-98
6. 1070.	-99.000	-99.000	-98
6. 1080.	-99.000	-99.000	-98
6. 1090.	-99.000	-99.000	-98
6. 1100.	-99.000	-99.000	-98
6. 1110.	-99.000	-99.000	-98
6. 1120.	-99.000	-99.000	-98
6. 1130.	-99.000	-99.000	-98
6. 1140.	-99.000	-99.000	-98
7. 2183.	-99.000	-99.000	-98
7. 2191.	-99.000	-99.000	-98
7. 2220.	-99.000	-99.000	-98
7. 2230.	-99.000	-99.000	-98
7. 2239.	-99.000	-99.000	-98
7. 2251.	-99.000	-99.000	-98
7. 2259.	-99.000	-99.000	-98
7. 2271.	-99.000	-99.000	-98
7. 2281.	-99.000	-99.000	-98
7. 2290.	-99.000	-99.000	-98
7. 2300.	-99.000	-99.000	-98
7. 2310.	-99.000	-99.000	-98
7. 2319.	-99.000	-99.000	-98
8. 2495.	-99.000	-99.000	-98
8. 2505.	-99.000	-99.000	-98
8. 2515.	-99.000	-99.000	-98
8. 2528.	-99.000	-99.000	-98
8. 2536.	-99.000	-99.000	-98
8. 2547.	-99.000	-99.000	-98
8. 2554.	-99.000	-99.000	-98
8. 2565.	-99.000	-99.000	-98
8. 2575.	-99.000	-99.000	-98
8. 2585.	-99.000	-99.000	-98
8. 2595.	-99.000	-99.000	-98
9. 3494.	35.000	55.125	55
9. 3506.	15.000	23.625	23
9. 3516.	30.000	47.250	47
9. 3526.	28.000	44.100	44
9. 3536.	35.000	55.125	55
9. 3545.	27.000	42.525	42
9. 3555.	20.000	31.500	31
9. 3564.	20.000	31.500	31
9. 3575.	3.000	4.725	4
9. 3585.	7.000	11.025	11

SAMPLE ID	X	TRANS	INT
9. 3593.	7.000	11.025	11
9. 3605.	0.000	0.000	0
9. 3606.	0.000	0.000	0
9. 3606.	0.000	0.000	0
9. 3616.	25.000	39.375	39
9. 3626.	25.000	39.375	39
9. 3634.	35.000	55.125	55
9. 3644.	12.000	18.900	18
9. 3644.	12.000	18.900	18
9. 3665.	18.000	28.350	28
9. 3675.	25.000	39.375	39
9. 3685.	5.000	7.875	7
9. 3695.	15.000	23.625	23
9. 3705.	38.000	59.850	59
9. 3711.	40.000	63.000	63
10. 2700.	-99.000	-99.000	-98
10. 2710.	-99.000	-99.000	-98
10. 2720.	-99.000	-99.000	-98
10. 2730.	-99.000	-99.000	-98
10. 2740.	-99.000	-99.000	-98
10. 2750.	-99.000	-99.000	-90
10. 2753.	-99.000	-99.000	-98
10. 2763.	-99.000	-99.000	-98
10. 2773.	-99.000	-99.000	-98
10. 2783.	-99.000	-99.000	-98
10. 2793.	-99.000	-99.000	-98
10. 2803.	-99.000	-99.000	-98
10. 2811.	-99.000	-99.000	-98
10. 2821.	-99.000	-99.000	-90
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10. 2851.	-99.000	-99.000	-98
10. 2861.	-99.000	-99.000	-90
10. 2869.	-99.000	-99.000	-98
10. 2879.	-99.000	-99.000	-98
10. 2889.	-99.000	-99.000	-98
10. 2899.	-99.000	-99.000	-98
10. 2909.	-99.000	-99.000	-98
10. 2919.	-99.000	-99.000	-98
10. 2927.	-99.000	-99.000	-90
10. 2937.	-99.000	-99.000	-98
10. 2947.	-99.000	-99.000	-98
10. 2957.	-99.000	-99.000	-98
10. 2967.	-99.000	-99.000	-98
10. 2977.	-99.000	-99.000	-98
10. 2985.	-99.000	-99.000	-90
10. 2995.	-99.000	-99.000	-98
10. 3005.	-99.000	-99.000	-98
10. 3015.	-99.000	-99.000	-98
10. 3025.	-99.000	-99.000	-98

SAMPLE ID		X	TRANS	INT
10.	3035.	-99.000	-99.000	-98
10.	3044.	-99.000	-99.000	-98
10.	3054.	-99.000	-99.000	-98
10.	3064.	-99.000	-99.000	-98
10.	3074.	-99.000	-99.000	-98
10.	3084.	-99.000	-99.000	-98
10.	3094.	-99.000	-99.000	-98
10.	3102.	-99.000	-99.000	-98
10.	3112.	-99.000	-99.000	-98
10.	3122.	-99.000	-99.000	-98
10.	3132.	-99.000	-99.000	-98
10.	3144.	-99.000	-99.000	-98
10.	3152.	-99.000	-99.000	-98
10.	3161.	-99.000	-99.000	-98
10.	3171.	-99.000	-99.000	-98
10.	3181.	-99.000	-99.000	-98
10.	3191.	-99.000	-99.000	-98
10.	3201.	-99.000	-99.000	-98
10.	3211.	-99.000	-99.000	-98
10.	3220.	-99.000	-99.000	-98
10.	3230.	-99.000	-99.000	-98
10.	3240.	-99.000	-99.000	-98
10.	3253.	-99.000	-99.000	-98
10.	3262.	-99.000	-99.000	-98
10.	3272.	-99.000	-99.000	-98
10.	3282.	-99.000	-99.000	-98
10.	3292.	-99.000	-99.000	-98
10.	3302.	-99.000	-99.000	-98
10.	3311.	-99.000	-99.000	-98
10.	3321.	-99.000	-99.000	-98
10.	3331.	-99.000	-99.000	-98
10.	3341.	-99.000	-99.000	-98
10.	3351.	-99.000	-99.000	-98
10.	3361.	-99.000	-99.000	-98
10.	3369.	-99.000	-99.000	-98
10.	3380.	-99.000	-99.000	-98
10.	3389.	-99.000	-99.000	-98
11.	3012.	-99.000	-99.000	-98
11.	3022.	-99.000	-99.000	-98
11.	3043.	-99.000	-99.000	-98
11.	3051.	-99.000	-99.000	-98
11.	3056.	-99.000	-99.000	-98
11.	3063.	-99.000	-99.000	-98
11.	3067.	-99.000	-99.000	-98
11.	3074.	-99.000	-99.000	-98
11.	3080.	-99.000	-99.000	-98
11.	3080.	-99.000	-99.000	-98
11.	3086.	-99.000	-99.000	-98
11.	3094.	-99.000	-99.000	-98
11.	3099.	-99.000	-99.000	-98
11.	3106.	-99.000	-99.000	-98

VARIABLE% 16 IN N RS MAX% 1800.000 MIN% 3.000 F% .035

SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	-99.000	-99.000	-98
1. 2782.	-99.000	-99.000	-98
1. 2787.	-99.000	-99.000	-98
1. 2797.	-99.000	-99.000	-98
1. 2802.	-99.000	-99.000	-98
1. 2827.	-99.000	-99.000	-98
1. 2832.	-99.000	-99.000	-98
1. 2837.	-99.000	-99.000	-98
1. 2847.	-99.000	-99.000	-98
1. 2852.	-99.000	-99.000	-98
1. 2897.	-99.000	-99.000	-98
1. 2927.	-99.000	-99.000	-98
1. 2937.	-99.000	-99.000	-98
1. 2941.	-99.000	-99.000	-98
1. 2947.	-99.000	-99.000	-98
1. 2959.	-99.000	-99.000	-98
1. 2964.	-99.000	-99.000	-98
1. 2994.	-99.000	-99.000	-98
1. 2999.	-99.000	-99.000	-98
1. 3039.	-99.000	-99.000	-98
1. 3064.	-99.000	-99.000	-98
1. 3085.	-99.000	-99.000	-98
1. 3090.	-99.000	-99.000	-98
1. 3100.	-99.000	-99.000	-98
1. 3181.	-99.000	-99.000	-98
1. 3135.	-99.000	-99.000	-98
1. 3140.	-99.000	-99.000	-98
1. 3145.	-99.000	-99.000	-98
1. 3150.	-99.000	-99.000	-98
1. 3155.	-99.000	-99.000	-98
1. 3165.	-99.000	-99.000	-98
1. 3175.	-99.000	-99.000	-98
1. 3180.	-99.000	-99.000	-98
1. 3198.	-99.000	-99.000	-98
1. 3218.	-99.000	-99.000	-98
1. 3220.	-99.000	-99.000	-98
1. 3229.	-99.000	-99.000	-98
1. 3243.	-99.000	-99.000	-98
1. 3248.	-99.000	-99.000	-98
1. 3268.	-99.000	-99.000	-98
1. 3276.	-99.000	-99.000	-98
1. 3290.	-99.000	-99.000	-98
1. 3310.	-99.000	-99.000	-98
1. 3316.	-99.000	-99.000	-98
1. 3326.	-99.000	-99.000	-98
1. 3341.	-99.000	-99.000	-98
1. 3346.	-99.000	-99.000	-98
1. 3366.	-99.000	-99.000	-98
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	-99.000	-99.000	-98
1. 3426.	-99.000	-99.000	-98
1. 3467.	-99.000	-99.000	-98
1. 3482.	-99.000	-99.000	-98
1. 3583.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3543.	-99.000	-99.000	-98
1. 3553.	-99.000	-99.000	-98
1. 3573.	-99.000	-99.000	-98
1. 3578.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3593.	-99.000	-99.000	-98
1. 3606.	-99.000	-99.000	-98
1. 3631.	-99.000	-99.000	-98
1. 3636.	-99.000	-99.000	-98
1. 3651.	-99.000	-99.000	-98
1. 3701.	-99.000	-99.000	-98
1. 3724.	-99.000	-99.000	-98
1. 3748.	-99.000	-99.000	-98
1. 3773.	-99.000	-99.000	-98
1. 3782.	-99.000	-99.000	-98
1. 3792.	-99.000	-99.000	-98
1. 3797.	-99.000	-99.000	-98
1. 3807.	-99.000	-99.000	-98
1. 3818.	-99.000	-99.000	-98
1. 3849.	-99.000	-99.000	-98
1. 3859.	-99.000	-99.000	-98
1. 3860.	-99.000	-99.000	-98
1. 3869.	-99.000	-99.000	-98
1. 3874.	-99.000	-99.000	-98
1. 3888.	-99.000	-99.000	-98
1. 3908.	-99.000	-99.000	-98
1. 3925.	-99.000	-99.000	-98
1. 3939.	-99.000	-99.000	-98
1. 3998.	-99.000	-99.000	-98
1. 4045.	-99.000	-99.000	-98
2. 2655.	50.000	1.648	1
2. 2710.	47.000	1.543	1
2. 2761.	50.000	1.648	1
2. 3000.	50.000	1.648	1
2. 3025.	43.000	1.402	1
2. 3050.	40.000	1.297	1
2. 3101.	37.000	1.192	1
2. 3303.	27.000	.841	0
2. 3328.	27.000	.841	0
2. 3378.	1800.000	63.000	63
2. 3428.	250.000	8.659	8
2. 3478.	300.000	10.412	10
2. 3528.	100.000	3.401	3
2. 3836.	18.000	.526	0

SAMPLE ID	X	TRANS	INT
2. 3922.	25.000	.771	0
2. 3961.	1800.000	63.000	63
2. 3971.	17.000	.491	0
3. 2434.	-99.000	-99.000	-98
3. 2444.	-99.000	-99.000	-98
3. 2454.	-99.000	-99.000	-98
3. 2463.	-99.000	-99.000	-98
3. 2464.	-99.000	-99.000	-98
3. 2474.	-99.000	-99.000	-98
3. 2494.	-99.000	-99.000	-98
3. 2504.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2524.	-99.000	-99.000	-98
3. 2534.	-99.000	-99.000	-98
3. 2545.	-99.000	-99.000	-98
3. 2555.	-99.000	-99.000	-98
3. 2565.	-99.000	-99.000	-98
3. 2565.	-99.000	-99.000	-98
3. 2575.	-99.000	-99.000	-98
3. 2586.	-99.000	-99.000	-98
3. 2588.	-99.000	-99.000	-98
3. 2595.	-99.000	-99.000	-98
3. 2607.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
3. 2637.	-99.000	-99.000	-98
3. 2646.	-99.000	-99.000	-98
3. 2656.	-99.000	-99.000	-98
3. 2666.	-99.000	-99.000	-98
3. 2666.	-99.000	-99.000	-98
3. 2676.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2696.	-99.000	-99.000	-98
3. 2705.	-99.000	-99.000	-98
3. 2715.	-99.000	-99.000	-98
3. 2725.	-99.000	-99.000	-98
3. 2725.	-99.000	-99.000	-98
3. 2735.	-99.000	-99.000	-98
3. 2745.	-99.000	-99.000	-98
3. 2755.	-99.000	-99.000	-98
3. 2763.	-99.000	-99.000	-98
3. 2773.	-99.000	-99.000	-98
3. 2784.	-99.000	-99.000	-98
3. 2784.	-99.000	-99.000	-98
3. 2793.	-99.000	-99.000	-98
3. 2802.	-99.000	-99.000	-98
3. 2814.	-99.000	-99.000	-98
3. 2822.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 2830.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2852.	-99.000	-99.000	-98
3. 2862.	-99.000	-99.000	-98
3. 2872.	-99.000	-99.000	-98
3. 2881.	-99.000	-99.000	-98
3. 2891.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2911.	-99.000	-99.000	-98
3. 2921.	-99.000	-99.000	-98
3. 2931.	-99.000	-99.000	-98
3. 2940.	-99.000	-99.000	-98
3. 2950.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2970.	-99.000	-99.000	-98
3. 2980.	-99.000	-99.000	-98
3. 2990.	-99.000	-99.000	-98
3. 2999.	-99.000	-99.000	-98
3. 3009.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3029.	-99.000	-99.000	-98
3. 3038.	-99.000	-99.000	-98
3. 3049.	-99.000	-99.000	-98
3. 3054.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3079.	-99.000	-99.000	-98
3. 3089.	-99.000	-99.000	-98
3. 3099.	-99.000	-99.000	-98
3. 3107.	-99.000	-99.000	-98
3. 3117.	-99.000	-99.000	-98
3. 3127.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3146.	-99.000	-99.000	-98
3. 3157.	-99.000	-99.000	-98
3. 3166.	-99.000	-99.000	-98
3. 3176.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3206.	-99.000	-99.000	-98
3. 3216.	-99.000	-99.000	-98
3. 3224.	-99.000	-99.000	-98
3. 3234.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 3244.	-99.000	-99.000	-98
3. 3244.	-99.000	-99.000	-98
3. 3254.	-99.000	-99.000	-98
3. 3264.	-99.000	-99.000	-98
3. 3274.	-99.000	-99.000	-98
3. 3284.	-99.000	-99.000	-98
3. 3294.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3310.	-99.000	-99.000	-98
3. 3315.	-99.000	-99.000	-98
3. 3325.	-99.000	-99.000	-98
3. 3335.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3355.	-99.000	-99.000	-98
3. 3365.	-99.000	-99.000	-98
3. 3375.	-99.000	-99.000	-98
3. 3384.	-99.000	-99.000	-98
3. 3394.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
4. 4872.	-99.000	-99.000	-98
4. 4882.	-99.000	-99.000	-98
4. 4892.	-99.000	-99.000	-98
4. 4902.	-99.000	-99.000	-98
4. 4912.	-99.000	-99.000	-98
4. 4922.	-99.000	-99.000	-98
4. 4930.	-99.000	-99.000	-98
4. 4940.	-99.000	-99.000	-98
4. 4950.	-99.000	-99.000	-98
4. 4960.	-99.000	-99.000	-98
4. 4970.	-99.000	-99.000	-98
4. 4980.	-99.000	-99.000	-98
4. 5212.	-99.000	-99.000	-98
4. 5222.	-99.000	-99.000	-98
4. 5232.	-99.000	-99.000	-98
4. 5242.	-99.000	-99.000	-98
4. 5253.	-99.000	-99.000	-98
4. 5263.	-99.000	-99.000	-98
4. 5273.	-99.000	-99.000	-98
4. 5283.	-99.000	-99.000	-98
4. 5293.	-99.000	-99.000	-98
4. 5303.	-99.000	-99.000	-98
4. 5312.	-99.000	-99.000	-98
4. 5322.	-99.000	-99.000	-98
4. 5332.	-99.000	-99.000	-98
4. 5342.	-99.000	-99.000	-98
4. 5347.	-99.000	-99.000	-98
4. 5357.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
4. 5362.	-99.000	-99.000	-98
4. 5372.	-99.000	-99.000	-98
4. 5382.	-99.000	-99.000	-98
4. 5394.	-99.000	-99.000	-98
4. 5404.	-99.000	-99.000	-98
4. 5414.	-99.000	-99.000	-98
4. 5424.	-99.000	-99.000	-98
4. 5434.	-99.000	-99.000	-98
4. 5444.	-99.000	-99.000	-98
4. 5447.	-99.000	-99.000	-98
4. 5457.	-99.000	-99.000	-98
4. 5467.	-99.000	-99.000	-98
5. 321.	-99.000	-99.000	-98
5. 331.	-99.000	-99.000	-98
5. 341.	-99.000	-99.000	-98
5. 344.	-99.000	-99.000	-98
5. 354.	-99.000	-99.000	-98
5. 365.	-99.000	-99.000	-98
5. 372.	-99.000	-99.000	-98
5. 382.	-99.000	-99.000	-98
5. 392.	-99.000	-99.000	-98
5. 401.	-99.000	-99.000	-98
5. 411.	-99.000	-99.000	-98
5. 421.	-99.000	-99.000	-98
5. 431.	-99.000	-99.000	-98
5. 441.	-99.000	-99.000	-98
5. 451.	-99.000	-99.000	-98
5. 458.	-99.000	-99.000	-98
5. 468.	-99.000	-99.000	-98
5. 478.	-99.000	-99.000	-98
5. 485.	-99.000	-99.000	-98
5. 495.	-99.000	-99.000	-98
5. 505.	-99.000	-99.000	-98
5. 515.	-99.000	-99.000	-98
5. 525.	-99.000	-99.000	-98
5. 537.	-99.000	-99.000	-98
5. 547.	-99.000	-99.000	-98
5. 557.	-99.000	-99.000	-98
5. 564.	-99.000	-99.000	-98
5. 574.	-99.000	-99.000	-98
5. 584.	-99.000	-99.000	-98
5. 592.	-99.000	-99.000	-98
5. 602.	-99.000	-99.000	-98
6. 927.	-99.000	-99.000	-98
6. 937.	-99.000	-99.000	-98
6. 947.	-99.000	-99.000	-98
6. 951.	-99.000	-99.000	-98
6. 961.	-99.000	-99.000	-98
6. 971.	-99.000	-99.000	-98
6. 980.	-99.000	-99.000	-98

SAMPLE ID		X	TRANS	INT
6.	990.	-99.000	-99.000	-98
6.	1000.	-99.000	-99.000	-98
6.	1010.	-99.000	-99.000	-98
6.	1020.	-99.000	-99.000	-98
6.	1030.	-99.000	-99.000	-98
6.	1040.	-99.000	-99.000	-98
6.	1050.	-99.000	-99.000	-98
6.	1060.	-99.000	-99.000	-98
6.	1070.	-99.000	-99.000	-98
6.	1080.	-99.000	-99.000	-98
6.	1090.	-99.000	-99.000	-98
6.	1100.	-99.000	-99.000	-98
6.	1110.	-99.000	-99.000	-98
6.	1120.	-99.000	-99.000	-98
6.	1130.	-99.000	-99.000	-98
6.	1140.	-99.000	-99.000	-98
7.	2183.	200.000	6.907	6
7.	2191.	1500.000	52.482	52
7.	2220.	350.000	12.165	12
7.	2230.	270.000	9.361	9
7.	2239.	35.000	1.122	1
7.	2251.	40.000	1.297	1
7.	2259.	40.000	1.297	1
7.	2271.	200.000	6.907	6
7.	2281.	800.000	27.942	27
7.	2290.	1500.000	52.482	52
7.	2300.	1500.000	52.482	52
7.	2310.	1500.000	52.482	52
7.	2319.	900.000	31.447	31
8.	2495.	3.000	0.000	0
8.	2505.	120.000	4.102	4
8.	2515.	170.000	5.855	5
8.	2528.	200.000	6.907	6
8.	2536.	220.000	7.608	7
8.	2547.	120.000	4.102	4
8.	2554.	95.000	3.225	3
8.	2565.	49.000	1.613	1
8.	2575.	80.000	2.699	2
8.	2585.	100.000	3.401	3
8.	2595.	60.000	1.998	2
9.	3494.	-99.000	-99.000	-98
9.	3506.	-99.000	-99.000	-98
9.	3516.	-99.000	-99.000	-98
9.	3526.	-99.000	-99.000	-98
9.	3536.	-99.000	-99.000	-98
9.	3545.	-99.000	-99.000	-98
9.	3555.	-99.000	-99.000	-98
9.	3564.	-99.000	-99.000	-98
9.	3575.	-99.000	-99.000	-98
9.	3585.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
9. 3593.	-99.000	-99.000	-98
9. 3605.	-99.000	-99.000	-98
9. 3606.	-99.000	-99.000	-98
9. 3606.	-99.000	-99.000	-98
9. 3616.	-99.000	-99.000	-98
9. 3626.	-99.000	-99.000	-98
9. 3634.	-99.000	-99.000	-98
9. 3644.	-99.000	-99.000	-98
9. 3644.	-99.000	-99.000	-98
9. 3665.	-99.000	-99.000	-98
9. 3675.	-99.000	-99.000	-98
9. 3685.	-99.000	-99.000	-98
9. 3695.	-99.000	-99.000	-98
9. 3705.	-99.000	-99.000	-98
9. 3711.	-99.000	-99.000	-98
10. 2700.	-99.000	-99.000	-98
10. 2710.	-99.000	-99.000	-98
10. 2720.	-99.000	-99.000	-98
10. 2730.	-99.000	-99.000	-98
10. 2740.	-99.000	-99.000	-98
10. 2750.	-99.000	-99.000	-98
10. 2753.	-99.000	-99.000	-98
10. 2763.	-99.000	-99.000	-98
10. 2773.	-99.000	-99.000	-98
10. 2783.	-99.000	-99.000	-98
10. 2793.	-99.000	-99.000	-98
10. 2803.	-99.000	-99.000	-98
10. 2811.	-99.000	-99.000	-98
10. 2821.	-99.000	-99.000	-98
10. 2841.	-99.000	-99.000	-98
10. 2851.	-99.000	-99.000	-98
10. 2861.	-99.000	-99.000	-98
10. 2869.	-99.000	-99.000	-98
10. 2879.	-99.000	-99.000	-98
10. 2889.	-99.000	-99.000	-98
10. 2899.	-99.000	-99.000	-98
10. 2909.	-99.000	-99.000	-98
10. 2919.	-99.000	-99.000	-98
10. 2927.	-99.000	-99.000	-98
10. 2937.	-99.000	-99.000	-98
10. 2947.	-99.000	-99.000	-98
10. 2957.	-99.000	-99.000	-98
10. 2967.	-99.000	-99.000	-98
10. 2977.	-99.000	-99.000	-98
10. 2985.	-99.000	-99.000	-98
10. 2995.	-99.000	-99.000	-98
10. 3005.	-99.000	-99.000	-98
10. 3015.	-99.000	-99.000	-98
10. 3025.	-99.000	-99.000	-98

SAMPLE ID		X	TRANS	INT
10.	3035.	-99.000	-99.000	-98
10.	3044.	-99.000	-99.000	-98
10.	3054.	-99.000	-99.000	-98
10.	3064.	-99.000	-99.000	-98
10.	3074.	-99.000	-99.000	-98
10.	3084.	-99.000	-99.000	-98
10.	3094.	-99.000	-99.000	-98
10.	3102.	-99.000	-99.000	-98
10.	3112.	-99.000	-99.000	-98
10.	3122.	-99.000	-99.000	-98
10.	3132.	-99.000	-99.000	-98
10.	3144.	-99.000	-99.000	-98
10.	3152.	-99.000	-99.000	-98
10.	3161.	-99.000	-99.000	-98
10.	3171.	-99.000	-99.000	-98
10.	3181.	-99.000	-99.000	-98
10.	3191.	-99.000	-99.000	-98
10.	3201.	-99.000	-99.000	-98
10.	3211.	-99.000	-99.000	-98
10.	3220.	-99.000	-99.000	-98
10.	3230.	-99.000	-99.000	-98
10.	3240.	-99.000	-99.000	-98
10.	3253.	-99.000	-99.000	-98
10.	3262.	-99.000	-99.000	-98
10.	3272.	-99.000	-99.000	-98
10.	3282.	-99.000	-99.000	-98
10.	3292.	-99.000	-99.000	-98
10.	3302.	-99.000	-99.000	-98
10.	3311.	-99.000	-99.000	-98
10.	3321.	-99.000	-99.000	-98
10.	3331.	-99.000	-99.000	-98
10.	3341.	-99.000	-99.000	-98
10.	3351.	-99.000	-99.000	-98
10.	3361.	-99.000	-99.000	-98
10.	3369.	-99.000	-99.000	-98
10.	3380.	-99.000	-99.000	-98
10.	3389.	-99.000	-99.000	-98
11.	3012.	-99.000	-99.000	-98
11.	3022.	-99.000	-99.000	-98
11.	3043.	-99.000	-99.000	-98
11.	3051.	-99.000	-99.000	-98
11.	3056.	-99.000	-99.000	-98
11.	3063.	-99.000	-99.000	-98
11.	3067.	-99.000	-99.000	-98
11.	3074.	-99.000	-99.000	-98
11.	3080.	-99.000	-99.000	-98
11.	3080.	-99.000	-99.000	-98
11.	3086.	-99.000	-99.000	-98
11.	3094.	-99.000	-99.000	-98
11.	3099.	-99.000	-99.000	-98
11.	3106.	-99.000	-99.000	-98

VARIABLE% 64 IN N RS MAX% 1500.000 MIN% 13.000 F% .042

SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	-99.000	-99.000	-98
1. 2782.	-99.000	-99.000	-98
1. 2787.	-99.000	-99.000	-98
1. 2797.	-99.000	-99.000	-98
1. 2802.	-99.000	-99.000	-98
1. 2827.	-99.000	-99.000	-98
1. 2832.	-99.000	-99.000	-98
1. 2837.	-99.000	-99.000	-98
1. 2842.	-99.000	-99.000	-98
1. 2852.	-99.000	-99.000	-98
1. 2897.	-99.000	-99.000	-98
1. 2927.	-99.000	-99.000	-98
1. 2937.	-99.000	-99.000	-98
1. 2941.	-99.000	-99.000	-98
1. 2947.	-99.000	-99.000	-98
1. 2959.	-99.000	-99.000	-98
1. 2964.	-99.000	-99.000	-98
1. 2994.	-99.000	-99.000	-98
1. 2999.	-99.000	-99.000	-98
1. 3039.	-99.000	-99.000	-98
1. 3064.	-99.000	-99.000	-98
1. 3085.	-99.000	-99.000	-98
1. 3090.	-99.000	-99.000	-98
1. 3100.	-99.000	-99.000	-98
1. 3181.	-99.000	-99.000	-98
1. 3135.	-99.000	-99.000	-98
1. 3140.	-99.000	-99.000	-98
1. 3145.	-99.000	-99.000	-98
1. 3150.	-99.000	-99.000	-98
1. 3155.	-99.000	-99.000	-98
1. 3165.	-99.000	-99.000	-98
1. 3175.	-99.000	-99.000	-98
1. 3180.	-99.000	-99.000	-98
1. 3198.	-99.000	-99.000	-98
1. 3218.	-99.000	-99.000	-98
1. 3228.	-99.000	-99.000	-98
1. 3229.	-99.000	-99.000	-98
1. 3243.	-99.000	-99.000	-98
1. 3248.	-99.000	-99.000	-98
1. 3268.	-99.000	-99.000	-98
1. 3276.	-99.000	-99.000	-98
1. 3290.	-99.000	-99.000	-98
1. 3310.	-99.000	-99.000	-98
1. 3316.	-99.000	-99.000	-98
1. 3326.	-99.000	-99.000	-98
1. 3341.	-99.000	-99.000	-98
1. 3346.	-99.000	-99.000	-98
1. 3366.	-99.000	-99.000	-98
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	-99.000	-99.000	-98
1. 3426.	-99.000	-99.000	-98
1. 3467.	-99.000	-99.000	-98
1. 3482.	-99.000	-99.000	-98
1. 3533.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3543.	-99.000	-99.000	-98
1. 3553.	-99.000	-99.000	-98
1. 3573.	-99.000	-99.000	-98
1. 3578.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3593.	-99.000	-99.000	-98
1. 3606.	-99.000	-99.000	-98
1. 3631.	-99.000	-99.000	-98
1. 3636.	-99.000	-99.000	-98
1. 3651.	-99.000	-99.000	-98
1. 3701.	-99.000	-99.000	-98
1. 3724.	-99.000	-99.000	-98
1. 3748.	-99.000	-99.000	-98
1. 3773.	-99.000	-99.000	-98
1. 3782.	-99.000	-99.000	-98
1. 3792.	-99.000	-99.000	-98
1. 3797.	-99.000	-99.000	-98
1. 3807.	-99.000	-99.000	-98
1. 3818.	-99.000	-99.000	-98
1. 3849.	-99.000	-99.000	-98
1. 3859.	-99.000	-99.000	-98
1. 3860.	-99.000	-99.000	-98
1. 3869.	-99.000	-99.000	-98
1. 3874.	-99.000	-99.000	-98
1. 3888.	-99.000	-99.000	-98
1. 3908.	-99.000	-99.000	-98
1. 3925.	-99.000	-99.000	-98
1. 3939.	-99.000	-99.000	-98
1. 3998.	-99.000	-99.000	-98
1. 4045.	-99.000	-99.000	-98
2. 2655.	45.000	1.356	1
2. 2710.	47.000	1.440	1
2. 2761.	45.000	1.356	1
2. 3000.	45.000	1.356	1
2. 3025.	40.000	1.144	1
2. 3050.	40.000	1.144	1
2. 3101.	37.000	1.017	1
2. 3303.	27.000	.593	0
2. 3328.	29.000	.678	0
2. 3378.	350.000	14.278	14
2. 3428.	120.000	4.533	4
2. 3478.	100.000	3.686	3
2. 3528.	90.000	3.262	3
2. 3896.	18.000	.212	0

SAMPLE ID	X	TRANS	INT
2. 3922.	25.000	.508	0
2. 3961.	500.000	20.633	20
2. 3971.	500.000	20.633	20
3. 2434.	-99.000	-99.000	-98
3. 2444.	-99.000	-99.000	-98
3. 2454.	-99.000	-99.000	-98
3. 2463.	-99.000	-99.000	-98
3. 2464.	-99.000	-99.000	-98
3. 2474.	-99.000	-99.000	-98
3. 2494.	-99.000	-99.000	-98
3. 2504.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2524.	-99.000	-99.000	-98
3. 2534.	-99.000	-99.000	-98
3. 2545.	-99.000	-99.000	-98
3. 2555.	-99.000	-99.000	-98
3. 2565.	-99.000	-99.000	-98
3. 2565.	-99.000	-99.000	-98
3. 2575.	-99.000	-99.000	-98
3. 2586.	-99.000	-99.000	-98
3. 2588.	-99.000	-99.000	-98
3. 2595.	-99.000	-99.000	-98
3. 2607.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
3. 2637.	-99.000	-99.000	-98
3. 2646.	-99.000	-99.000	-98
3. 2656.	-99.000	-99.000	-98
3. 2666.	-99.000	-99.000	-98
3. 2666.	-99.000	-99.000	-98
3. 2676.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2696.	-99.000	-99.000	-98
3. 2705.	-99.000	-99.000	-98
3. 2715.	-99.000	-99.000	-98
3. 2725.	-99.000	-99.000	-98
3. 2725.	-99.000	-99.000	-98
3. 2735.	-99.000	-99.000	-98
3. 2745.	-99.000	-99.000	-98
3. 2755.	-99.000	-99.000	-98
3. 2763.	-99.000	-99.000	-98
3. 2773.	-99.000	-99.000	-98
3. 2784.	-99.000	-99.000	-98
3. 2784.	-99.000	-99.000	-98
3. 2793.	-99.000	-99.000	-98
3. 2802.	-99.000	-99.000	-98
3. 2814.	-99.000	-99.000	-98
3. 2822.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 2830.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2852.	-99.000	-99.000	-98
3. 2862.	-99.000	-99.000	-98
3. 2872.	-99.000	-99.000	-98
3. 2881.	-99.000	-99.000	-98
3. 2891.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2911.	-99.000	-99.000	-98
3. 2921.	-99.000	-99.000	-98
3. 2931.	-99.000	-99.000	-98
3. 2940.	-99.000	-99.000	-98
3. 2950.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2960.	-99.000	-99.000	-98
3. 2970.	-99.000	-99.000	-98
3. 2980.	-99.000	-99.000	-98
3. 2990.	-99.000	-99.000	-98
3. 2999.	-99.000	-99.000	-98
3. 3009.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3029.	-99.000	-99.000	-98
3. 3038.	-99.000	-99.000	-98
3. 3049.	-99.000	-99.000	-98
3. 3059.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
3. 3079.	-99.000	-99.000	-98
3. 3089.	-99.000	-99.000	-98
3. 3099.	-99.000	-99.000	-98
3. 3107.	-99.000	-99.000	-98
3. 3117.	-99.000	-99.000	-98
3. 3127.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3146.	-99.000	-99.000	-98
3. 3157.	-99.000	-99.000	-98
3. 3166.	-99.000	-99.000	-98
3. 3176.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3206.	-99.000	-99.000	-98
3. 3216.	-99.000	-99.000	-98
3. 3224.	-99.000	-99.000	-98
3. 3234.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 3244.	-99.000	-99.000	-98
3. 3244.	-99.000	-99.000	-98
3. 3254.	-99.000	-99.000	-98
3. 3264.	-99.000	-99.000	-98
3. 3274.	-99.000	-99.000	-98
3. 3284.	-99.000	-99.000	-98
3. 3294.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3310.	-99.000	-99.000	-98
3. 3315.	-99.000	-99.000	-98
3. 3325.	-99.000	-99.000	-98
3. 3335.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3355.	-99.000	-99.000	-98
3. 3365.	-99.000	-99.000	-98
3. 3375.	-99.000	-99.000	-98
3. 3384.	-99.000	-99.000	-98
3. 3394.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
4. 4872.	-99.000	-99.000	-98
4. 4882.	-99.000	-99.000	-98
4. 4892.	-99.000	-99.000	-98
4. 4902.	-99.000	-99.000	-98
4. 4912.	-99.000	-99.000	-98
4. 4922.	-99.000	-99.000	-98
4. 4930.	-99.000	-99.000	-98
4. 4940.	-99.000	-99.000	-98
4. 4950.	-99.000	-99.000	-98
4. 4960.	-99.000	-99.000	-98
4. 4970.	-99.000	-99.000	-98
4. 4980.	-99.000	-99.000	-98
4. 5212.	-99.000	-99.000	-98
4. 5222.	-99.000	-99.000	-98
4. 5232.	-99.000	-99.000	-98
4. 5242.	-99.000	-99.000	-98
4. 5253.	-99.000	-99.000	-98
4. 5263.	-99.000	-99.000	-98
4. 5273.	-99.000	-99.000	-98
4. 5283.	-99.000	-99.000	-98
4. 5293.	-99.000	-99.000	-98
4. 5303.	-99.000	-99.000	-98
4. 5312.	-99.000	-99.000	-98
4. 5322.	-99.000	-99.000	-98
4. 5332.	-99.000	-99.000	-98
4. 5342.	-99.000	-99.000	-98
4. 5347.	-99.000	-99.000	-98
4. 5357.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
4. 5362.	-99.000	-99.000	-98
4. 5372.	-99.000	-99.000	-98
4. 5382.	-99.000	-99.000	-98
4. 5394.	-99.000	-99.000	-98
4. 5404.	-99.000	-99.000	-98
4. 5414.	-99.000	-99.000	-98
4. 5424.	-99.000	-99.000	-98
4. 5434.	-99.000	-99.000	-98
4. 5444.	-99.000	-99.000	-98
4. 5447.	-99.000	-99.000	-98
4. 5457.	-99.000	-99.000	-98
4. 5467.	-99.000	-99.000	-98
5. 321.	-99.000	-99.000	-98
5. 331.	-99.000	-99.000	-98
5. 341.	-99.000	-99.000	-98
5. 344.	-99.000	-99.000	-98
5. 354.	-99.000	-99.000	-98
5. 365.	-99.000	-99.000	-98
5. 372.	-99.000	-99.000	-98
5. 382.	-99.000	-99.000	-98
5. 392.	-99.000	-99.000	-98
5. 401.	-99.000	-99.000	-98
5. 411.	-99.000	-99.000	-98
5. 421.	-99.000	-99.000	-98
5. 431.	-99.000	-99.000	-98
5. 441.	-99.000	-99.000	-98
5. 451.	-99.000	-99.000	-98
5. 458.	-99.000	-99.000	-98
5. 468.	-99.000	-99.000	-98
5. 478.	-99.000	-99.000	-98
5. 485.	-99.000	-99.000	-98
5. 495.	-99.000	-99.000	-98
5. 505.	-99.000	-99.000	-98
5. 515.	-99.000	-99.000	-98
5. 525.	-99.000	-99.000	-98
5. 537.	-99.000	-99.000	-98
5. 547.	-99.000	-99.000	-98
5. 557.	-99.000	-99.000	-98
5. 564.	-99.000	-99.000	-98
5. 574.	-99.000	-99.000	-98
5. 584.	-99.000	-99.000	-98
5. 592.	-99.000	-99.000	-98
5. 602.	-99.000	-99.000	-98
6. 927.	-99.000	-99.000	-98
6. 937.	-99.000	-99.000	-98
6. 947.	-99.000	-99.000	-98
6. 951.	-99.000	-99.000	-98
6. 961.	-99.000	-99.000	-98
6. 971.	-99.000	-99.000	-98
6. 980.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
6. 990.	-99.000	-99.000	-98
6. 1000.	-99.000	-99.000	-98
6. 1010.	-99.000	-99.000	-98
6. 1020.	-99.000	-99.000	-98
6. 1030.	-99.000	-99.000	-98
6. 1040.	-99.000	-99.000	-98
6. 1050.	-99.000	-99.000	-98
6. 1060.	-99.000	-99.000	-98
6. 1070.	-99.000	-99.000	-98
6. 1080.	-99.000	-99.000	-98
6. 1090.	-99.000	-99.000	-98
6. 1100.	-99.000	-99.000	-98
6. 1110.	-99.000	-99.000	-98
6. 1120.	-99.000	-99.000	-98
6. 1130.	-99.000	-99.000	-98
6. 1140.	-99.000	-99.000	-98
7. 2183.	120.000	4.533	4
7. 2191.	400.000	16.396	16
7. 2220.	200.000	7.923	7
7. 2230.	200.000	7.923	7
7. 2239.	40.000	1.144	1
7. 2251.	60.000	1.991	1
7. 2259.	35.000	.932	0
7. 2271.	150.000	5.804	5
7. 2281.	600.000	24.870	24
7. 2290.	600.000	24.870	24
7. 2300.	800.000	33.343	33
7. 2310.	1500.000	63.000	63
7. 2319.	500.000	20.633	20
8. 2495.	13.000	0.000	0
8. 2505.	63.000	2.118	2
8. 2515.	270.000	10.888	10
8. 2528.	350.000	14.278	14
8. 2536.	310.000	12.583	12
8. 2547.	200.000	7.923	7
8. 2554.	150.000	5.804	5
8. 2565.	59.000	1.949	1
8. 2575.	110.000	4.110	4
8. 2585.	110.000	4.110	4
8. 2595.	72.000	2.500	2
9. 3494.	-99.000	-99.000	-98
9. 3506.	-99.000	-99.000	-98
9. 3516.	-99.000	-99.000	-98
9. 3526.	-99.000	-99.000	-98
9. 3536.	-99.000	-99.000	-98
9. 3545.	-99.000	-99.000	-98
9. 3555.	-99.000	-99.000	-98
9. 3564.	-99.000	-99.000	-98
9. 3575.	-99.000	-99.000	-98
9. 3585.	-99.000	-99.000	-98

SAMPLE ID		X	TRANS	INT
9.	3593.	-99.000	-99.000	-98
9.	3605.	-99.000	-99.000	-98
9.	3606.	-99.000	-99.000	-98
9.	3606.	-99.000	-99.000	-98
9.	3616.	-99.000	-99.000	-98
9.	3626.	-99.000	-99.000	-98
9.	3634.	-99.000	-99.000	-98
9.	3644.	-99.000	-99.000	-98
9.	3644.	-99.000	-99.000	-98
9.	3665.	-99.000	-99.000	-98
9.	3675.	-99.000	-99.000	-98
9.	3685.	-99.000	-99.000	-98
9.	3695.	-99.000	-99.000	-98
9.	3705.	-99.000	-99.000	-98
9.	3711.	-99.000	-99.000	-98
10.	2700.	-99.000	-99.000	-98
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10.	2750.	-99.000	-99.000	-98
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10.	2763.	-99.000	-99.000	-98
10.	2773.	-99.000	-99.000	-98
10.	2783.	-99.000	-99.000	-98
10.	2793.	-99.000	-99.000	-98
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10.	2841.	-99.000	-99.000	-98
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10.	2861.	-99.000	-99.000	-98
10.	2869.	-99.000	-99.000	-98
10.	2879.	-99.000	-99.000	-98
10.	2889.	-99.000	-99.000	-98
10.	2899.	-99.000	-99.000	-98
10.	2909.	-99.000	-99.000	-98
10.	2919.	-99.000	-99.000	-98
10.	2927.	-99.000	-99.000	-98
10.	2937.	-99.000	-99.000	-98
10.	2947.	-99.000	-99.000	-98
10.	2957.	-99.000	-99.000	-98
10.	2967.	-99.000	-99.000	-98
10.	2977.	-99.000	-99.000	-98
10.	2985.	-99.000	-99.000	-98
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10.	3005.	-99.000	-99.000	-98
10.	3015.	-99.000	-99.000	-98
10.	3025.	-99.000	-99.000	-98

SAMPLE ID		X	TRANS	INT
10.	3035.	-99.000	-99.000	-98
10.	3044.	-99.000	-99.000	-98
10.	3054.	-99.000	-99.000	-98
10.	3064.	-99.000	-99.000	-98
10.	3074.	-99.000	-99.000	-98
10.	3084.	-99.000	-99.000	-98
10.	3094.	-99.000	-99.000	-98
10.	3102.	-99.000	-99.000	-98
10.	3112.	-99.000	-99.000	-98
10.	3122.	-99.000	-99.000	-98
10.	3132.	-99.000	-99.000	-98
10.	3144.	-99.000	-99.000	-98
10.	3152.	-99.000	-99.000	-98
10.	3161.	-99.000	-99.000	-98
10.	3171.	-99.000	-99.000	-98
10.	3181.	-99.000	-99.000	-98
10.	3191.	-99.000	-99.000	-98
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10.	3230.	-99.000	-99.000	-98
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10.	3262.	-99.000	-99.000	-98
10.	3272.	-99.000	-99.000	-98
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10.	3302.	-99.000	-99.000	-98
10.	3311.	-99.000	-99.000	-98
10.	3321.	-99.000	-99.000	-98
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10.	3341.	-99.000	-99.000	-98
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10.	3361.	-99.000	-99.000	-98
10.	3369.	-99.000	-99.000	-98
10.	3380.	-99.000	-99.000	-98
10.	3389.	-99.000	-99.000	-98
11.	3012.	-99.000	-99.000	-98
11.	3022.	-99.000	-99.000	-98
11.	3043.	-99.000	-99.000	-98
11.	3051.	-99.000	-99.000	-98
11.	3056.	-99.000	-99.000	-98
11.	3063.	-99.000	-99.000	-98
11.	3067.	-99.000	-99.000	-98
11.	3074.	-99.000	-99.000	-98
11.	3080.	-99.000	-99.000	-98
11.	3080.	-99.000	-99.000	-98
11.	3086.	-99.000	-99.000	-98
11.	3094.	-99.000	-99.000	-98
11.	3099.	-99.000	-99.000	-98
11.	3106.	-99.000	-99.000	-98

VARIABLE% 18.5 FT L

MAX% 1600.000

MIN%

11.000

F%

.041

SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2754.	-99.000	-99.000	-98
1. 2782.	-99.000	-99.000	-98
1. 2787.	-99.000	-99.000	-98
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1. 2802.	-99.000	-99.000	-98
1. 2827.	-99.000	-99.000	-98
1. 2832.	-99.000	-99.000	-98
1. 2837.	-99.000	-99.000	-98
1. 2842.	-99.000	-99.000	-98
1. 2852.	-99.000	-99.000	-98
1. 2897.	-99.000	-99.000	-98
1. 2927.	-99.000	-99.000	-98
1. 2937.	-99.000	-99.000	-98
1. 2941.	-99.000	-99.000	-98
1. 2947.	-99.000	-99.000	-98
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1. 2964.	-99.000	-99.000	-98
1. 2994.	-99.000	-99.000	-98
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1. 3039.	-99.000	-99.000	-98
1. 3064.	-99.000	-99.000	-98
1. 3085.	-99.000	-99.000	-98
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1. 3181.	-99.000	-99.000	-98
1. 3135.	-99.000	-99.000	-98
1. 3140.	-99.000	-99.000	-98
1. 3145.	-99.000	-99.000	-98
1. 3150.	-99.000	-99.000	-98
1. 3155.	-99.000	-99.000	-98
1. 3165.	-99.000	-99.000	-98
1. 3175.	-99.000	-99.000	-98
1. 3180.	-99.000	-99.000	-98
1. 3198.	-99.000	-99.000	-98
1. 3218.	-99.000	-99.000	-98
1. 3228.	-99.000	-99.000	-98
1. 3229.	-99.000	-99.000	-98
1. 3243.	-99.000	-99.000	-98
1. 3248.	-99.000	-99.000	-98
1. 3268.	-99.000	-99.000	-98
1. 3276.	-99.000	-99.000	-98
1. 3290.	-99.000	-99.000	-98
1. 3310.	-99.000	-99.000	-98
1. 3316.	-99.000	-99.000	-98
1. 3326.	-99.000	-99.000	-98
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1. 3366.	-99.000	-99.000	-98
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	-99.000	-99.000	-98
1. 3426.	-99.000	-99.000	-98
1. 3467.	-99.000	-99.000	-98
1. 3482.	-99.000	-99.000	-98
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1. 3588.	-99.000	-99.000	-98
1. 3543.	-99.000	-99.000	-98
1. 3553.	-99.000	-99.000	-98
1. 3573.	-99.000	-99.000	-98
1. 3578.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3593.	-99.000	-99.000	-98
1. 3606.	-99.000	-99.000	-98
1. 3631.	-99.000	-99.000	-98
1. 3636.	-99.000	-99.000	-98
1. 3651.	-99.000	-99.000	-98
1. 3701.	-99.000	-99.000	-98
1. 3724.	-99.000	-99.000	-98
1. 3748.	-99.000	-99.000	-98
1. 3773.	-99.000	-99.000	-98
1. 3782.	-99.000	-99.000	-98
1. 3792.	-99.000	-99.000	-98
1. 3797.	-99.000	-99.000	-98
1. 3807.	-99.000	-99.000	-98
1. 3818.	-99.000	-99.000	-98
1. 3849.	-99.000	-99.000	-98
1. 3859.	-99.000	-99.000	-98
1. 3860.	-99.000	-99.000	-98
1. 3869.	-99.000	-99.000	-98
1. 3874.	-99.000	-99.000	-98
1. 3888.	-99.000	-99.000	-98
1. 3908.	-99.000	-99.000	-98
1. 3925.	-99.000	-99.000	-98
1. 3939.	-99.000	-99.000	-98
1. 3998.	-99.000	-99.000	-98
1. 4045.	-99.000	-99.000	-98
2. 2655.	70.000	2.339	2
2. 2710.	60.000	1.943	1
2. 2761.	80.000	2.736	2
2. 3000.	100.000	3.529	3
2. 3025.	70.000	2.339	2
2. 3050.	50.000	1.546	1
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2. 3303.	45.000	1.348	1
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2. 3378.	1600.000	63.000	63
2. 3428.	400.000	15.423	15
2. 3478.	450.000	17.405	17
2. 3528.	140.000	5.115	5
2. 3896.	45.000	1.348	1

SAMPLE ID	X	TRANS	INT
2. 3922.	30.000	.753	0
2. 3961.	1600.000	63.000	63
2. 3971.	1200.000	47.141	47
3. 2434.	-99.000	-99.000	-98
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3. 2463.	-99.000	-99.000	-98
3. 2464.	-99.000	-99.000	-98
3. 2474.	-99.000	-99.000	-98
3. 2494.	-99.000	-99.000	-98
3. 2504.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2524.	-99.000	-99.000	-98
3. 2534.	-99.000	-99.000	-98
3. 2545.	-99.000	-99.000	-98
3. 2555.	-99.000	-99.000	-98
3. 2565.	-99.000	-99.000	-98
3. 2565.	-99.000	-99.000	-98
3. 2575.	-99.000	-99.000	-98
3. 2586.	-99.000	-99.000	-98
3. 2588.	-99.000	-99.000	-98
3. 2595.	-99.000	-99.000	-98
3. 2607.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
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3. 2686.	-99.000	-99.000	-98
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3. 2696.	-99.000	-99.000	-98
3. 2705.	-99.000	-99.000	-98
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3. 2735.	-99.000	-99.000	-98
3. 2745.	-99.000	-99.000	-98
3. 2755.	-99.000	-99.000	-98
3. 2763.	-99.000	-99.000	-98
3. 2773.	-99.000	-99.000	-98
3. 2784.	-99.000	-99.000	-98
3. 2784.	-99.000	-99.000	-98
3. 2793.	-99.000	-99.000	-98
3. 2802.	-99.000	-99.000	-98
3. 2814.	-99.000	-99.000	-98
3. 2822.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 2830.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2852.	-99.000	-99.000	-98
3. 2862.	-99.000	-99.000	-98
3. 2872.	-99.000	-99.000	-98
3. 2881.	-99.000	-99.000	-98
3. 2891.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2901.	-99.000	-99.000	-98
3. 2911.	-99.000	-99.000	-98
3. 2921.	-99.000	-99.000	-98
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3. 2960.	-99.000	-99.000	-98
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3. 2990.	-99.000	-99.000	-98
3. 2999.	-99.000	-99.000	-98
3. 3009.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
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3. 3054.	-99.000	-99.000	-98
3. 3069.	-99.000	-99.000	-98
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3. 3166.	-99.000	-99.000	-98
3. 3176.	-99.000	-99.000	-98
3. 3186.	-99.000	-99.000	-98
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3. 3196.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3206.	-99.000	-99.000	-98
3. 3216.	-99.000	-99.000	-98
3. 3224.	-99.000	-99.000	-98
3. 3234.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 3244.	-99.000	-99.000	-98
3. 3244.	-99.000	-99.000	-98
3. 3254.	-99.000	-99.000	-98
3. 3264.	-99.000	-99.000	-98
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3. 3284.	-99.000	-99.000	-98
3. 3294.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3310.	-99.000	-99.000	-98
3. 3315.	-99.000	-99.000	-98
3. 3325.	-99.000	-99.000	-98
3. 3335.	-99.000	-99.000	-98
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3. 3345.	-99.000	-99.000	-98
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3. 3384.	-99.000	-99.000	-98
3. 3394.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
3. 3404.	-99.000	-99.000	-98
4. 4872.	-99.000	-99.000	-98
4. 4882.	-99.000	-99.000	-98
4. 4892.	-99.000	-99.000	-98
4. 4902.	-99.000	-99.000	-98
4. 4912.	-99.000	-99.000	-98
4. 4922.	-99.000	-99.000	-98
4. 4930.	-99.000	-99.000	-98
4. 4940.	-99.000	-99.000	-98
4. 4950.	-99.000	-99.000	-98
4. 4960.	-99.000	-99.000	-98
4. 4970.	-99.000	-99.000	-98
4. 4980.	-99.000	-99.000	-98
4. 5212.	-99.000	-99.000	-98
4. 5222.	-99.000	-99.000	-98
4. 5232.	-99.000	-99.000	-98
4. 5242.	-99.000	-99.000	-98
4. 5253.	-99.000	-99.000	-98
4. 5263.	-99.000	-99.000	-98
4. 5273.	-99.000	-99.000	-98
4. 5283.	-99.000	-99.000	-98
4. 5293.	-99.000	-99.000	-98
4. 5303.	-99.000	-99.000	-98
4. 5312.	-99.000	-99.000	-98
4. 5322.	-99.000	-99.000	-98
4. 5332.	-99.000	-99.000	-98
4. 5342.	-99.000	-99.000	-98
4. 5347.	-99.000	-99.000	-98
4. 5357.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
4. 5362.	-99.000	-99.000	-98
4. 5372.	-99.000	-99.000	-98
4. 5382.	-99.000	-99.000	-98
4. 5394.	-99.000	-99.000	-98
4. 5404.	-99.000	-99.000	-98
4. 5414.	-99.000	-99.000	-98
4. 5424.	-99.000	-99.000	-98
4. 5434.	-99.000	-99.000	-98
4. 5444.	-99.000	-99.000	-98
4. 5447.	-99.000	-99.000	-98
4. 5457.	-99.000	-99.000	-98
4. 5467.	-99.000	-99.000	-98
5. 321.	-99.000	-99.000	-98
5. 331.	-99.000	-99.000	-98
5. 341.	-99.000	-99.000	-98
5. 344.	-99.000	-99.000	-98
5. 354.	-99.000	-99.000	-98
5. 365.	-99.000	-99.000	-98
5. 372.	-99.000	-99.000	-98
5. 382.	-99.000	-99.000	-98
5. 392.	-99.000	-99.000	-98
5. 401.	-99.000	-99.000	-98
5. 411.	-99.000	-99.000	-98
5. 421.	-99.000	-99.000	-98
5. 431.	-99.000	-99.000	-98
5. 441.	-99.000	-99.000	-98
5. 451.	-99.000	-99.000	-98
5. 458.	-99.000	-99.000	-98
5. 468.	-99.000	-99.000	-98
5. 478.	-99.000	-99.000	-98
5. 485.	-99.000	-99.000	-98
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5. 515.	-99.000	-99.000	-98
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5. 537.	-99.000	-99.000	-98
5. 547.	-99.000	-99.000	-98
5. 557.	-99.000	-99.000	-98
5. 564.	-99.000	-99.000	-98
5. 574.	-99.000	-99.000	-98
5. 584.	-99.000	-99.000	-98
5. 592.	-99.000	-99.000	-98
5. 602.	-99.000	-99.000	-98
6. 927.	-99.000	-99.000	-98
6. 937.	-99.000	-99.000	-98
6. 947.	-99.000	-99.000	-98
6. 951.	-99.000	-99.000	-98
6. 961.	-99.000	-99.000	-98
6. 971.	-99.000	-99.000	-98
6. 980.	-99.000	-99.000	-98

SAMPLE IO	X	TRANS	INT
6. 990.	-99.000	-99.000	-98
6. 1000.	-99.000	-99.000	-98
6. 1010.	-99.000	-99.000	-98
6. 1020.	-99.000	-99.000	-98
6. 1030.	-99.000	-99.000	-98
6. 1040.	-99.000	-99.000	-98
6. 1050.	-99.000	-99.000	-98
6. 1060.	-99.000	-99.000	-98
6. 1070.	-99.000	-99.000	-98
6. 1080.	-99.000	-99.000	-98
6. 1090.	-99.000	-99.000	-98
6. 1100.	-99.000	-99.000	-98
6. 1110.	-99.000	-99.000	-98
6. 1120.	-99.000	-99.000	-98
6. 1130.	-99.000	-99.000	-98
6. 1140.	-99.000	-99.000	-98
7. 2183.	1500.000	59.035	59
7. 2191.	1500.000	59.035	59
7. 2220.	500.000	19.388	19
7. 2230.	800.000	31.282	31
7. 2239.	80.000	2.736	2
7. 2251.	90.000	3.132	3
7. 2259.	40.000	1.150	1
7. 2271.	800.000	31.282	31
7. 2281.	1500.000	59.035	59
7. 2290.	1500.000	59.035	59
7. 2300.	1500.000	59.035	59
7. 2310.	1500.000	59.035	59
7. 2319.	1500.000	59.035	59
8. 2495.	11.000	0.000	0
8. 2505.	35.000	.952	0
8. 2515.	53.000	1.665	1
8. 2528.	320.000	12.251	12
8. 2536.	600.000	23.352	23
8. 2547.	675.000	26.326	26
8. 2554.	500.000	19.388	19
8. 2565.	125.000	4.520	4
8. 2575.	90.000	3.132	3
8. 2585.	110.000	3.925	3
8. 2595.	125.000	4.520	4
9. 3494.	-99.000	-99.000	-98
9. 3506.	-99.000	-99.000	-98
9. 3516.	-99.000	-99.000	-98
9. 3526.	-99.000	-99.000	-98
9. 3536.	-99.000	-99.000	-98
9. 3545.	-99.000	-99.000	-98
9. 3555.	-99.000	-99.000	-98
9. 3564.	-99.000	-99.000	-98
9. 3575.	-99.000	-99.000	-98
9. 3585.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
9. 3593.	-99.000	-99.000	-98
9. 3605.	-99.000	-99.000	-98
9. 3606.	-99.000	-99.000	-98
9. 3606.	-99.000	-99.000	-98
9. 3616.	-99.000	-99.000	-98
9. 3626.	-99.000	-99.000	-98
9. 3634.	-99.000	-99.000	-98
9. 3644.	-99.000	-99.000	-98
9. 3644.	-99.000	-99.000	-98
9. 3665.	-99.000	-99.000	-98
9. 3675.	-99.000	-99.000	-98
9. 3685.	-99.000	-99.000	-98
9. 3695.	-99.000	-99.000	-98
9. 3705.	-99.000	-99.000	-98
9. 3711.	-99.000	-99.000	-98
10. 2700.	-99.000	-99.000	-98
10. 2710.	-99.000	-99.000	-98
10. 2720.	-99.000	-99.000	-98
10. 2730.	-99.000	-99.000	-98
10. 2740.	-99.000	-99.000	-98
10. 2750.	-99.000	-99.000	-98
10. 2753.	-99.000	-99.000	-98
10. 2763.	-99.000	-99.000	-98
10. 2773.	-99.000	-99.000	-98
10. 2783.	-99.000	-99.000	-98
10. 2793.	-99.000	-99.000	-98
10. 2803.	-99.000	-99.000	-98
10. 2811.	-99.000	-99.000	-98
10. 2821.	-99.000	-99.000	-98
10. 2841.	-99.000	-99.000	-98
10. 2851.	-99.000	-99.000	-98
10. 2861.	-99.000	-99.000	-98
10. 2869.	-99.000	-99.000	-98
10. 2879.	-99.000	-99.000	-98
10. 2889.	-99.000	-99.000	-98
10. 2899.	-99.000	-99.000	-98
10. 2909.	-99.000	-99.000	-98
10. 2919.	-99.000	-99.000	-98
10. 2927.	-99.000	-99.000	-98
10. 2937.	-99.000	-99.000	-98
10. 2947.	-99.000	-99.000	-98
10. 2957.	-99.000	-99.000	-98
10. 2967.	-99.000	-99.000	-98
10. 2977.	-99.000	-99.000	-98
10. 2985.	-99.000	-99.000	-98
10. 2995.	-99.000	-99.000	-98
10. 3005.	-99.000	-99.000	-98
10. 3015.	-99.000	-99.000	-98
10. 3025.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
10. 3035.	-99.000	-99.000	-98
10. 3044.	-99.000	-99.000	-98
10. 3054.	-99.000	-99.000	-98
10. 3064.	-99.000	-99.000	-98
10. 3074.	-99.000	-99.000	-98
10. 3084.	-99.000	-99.000	-98
10. 3094.	-99.000	-99.000	-98
10. 3102.	-99.000	-99.000	-98
10. 3112.	-99.000	-99.000	-98
10. 3122.	-99.000	-99.000	-98
10. 3132.	-99.000	-99.000	-98
10. 3144.	-99.000	-99.000	-98
10. 3152.	-99.000	-99.000	-98
10. 3161.	-99.000	-99.000	-98
10. 3171.	-99.000	-99.000	-98
10. 3181.	-99.000	-99.000	-98
10. 3191.	-99.000	-99.000	-98
10. 3201.	-99.000	-99.000	-98
10. 3211.	-99.000	-99.000	-98
10. 3220.	-99.000	-99.000	-98
10. 3230.	-99.000	-99.000	-98
10. 3240.	-99.000	-99.000	-98
10. 3253.	-99.000	-99.000	-98
10. 3262.	-99.000	-99.000	-98
10. 3272.	-99.000	-99.000	-98
10. 3282.	-99.000	-99.000	-98
10. 3292.	-99.000	-99.000	-98
10. 3302.	-99.000	-99.000	-98
10. 3311.	-99.000	-99.000	-98
10. 3321.	-99.000	-99.000	-98
10. 3331.	-99.000	-99.000	-98
10. 3341.	-99.000	-99.000	-98
10. 3351.	-99.000	-99.000	-98
10. 3361.	-99.000	-99.000	-98
10. 3369.	-99.000	-99.000	-98
10. 3380.	-99.000	-99.000	-98
10. 3389.	-99.000	-99.000	-98
11. 3012.	-99.000	-99.000	-98
11. 3022.	-99.000	-99.000	-98
11. 3043.	-99.000	-99.000	-98
11. 3051.	-99.000	-99.000	-98
11. 3056.	-99.000	-99.000	-98
11. 3063.	-99.000	-99.000	-98
11. 3067.	-99.000	-99.000	-98
11. 3074.	-99.000	-99.000	-98
11. 3080.	-99.000	-99.000	-98
11. 3080.	-99.000	-99.000	-98
11. 3086.	-99.000	-99.000	-98
11. 3094.	-99.000	-99.000	-98
11. 3099.	-99.000	-99.000	-98
11. 3106.	-99.000	-99.000	-98

VARIABLE% SURF EXPOS MAX% 3.920 MIN% 0.000 F% 16.071

SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	-99.000	-99.000	-98
1. 2782.	-99.000	-99.000	-98
1. 2787.	-99.000	-99.000	-98
1. 2797.	-99.000	-99.000	-98
1. 2802.	-99.000	-99.000	-98
1. 2827.	-99.000	-99.000	-98
1. 2832.	-99.000	-99.000	-98
1. 2837.	-99.000	-99.000	-98
1. 2842.	-99.000	-99.000	-98
1. 2852.	-99.000	-99.000	-98
1. 2897.	-99.000	-99.000	-98
1. 2927.	-99.000	-99.000	-98
1. 2937.	-99.000	-99.000	-98
1. 2941.	-99.000	-99.000	-98
1. 2947.	-99.000	-99.000	-98
1. 2959.	-99.000	-99.000	-98
1. 2964.	-99.000	-99.000	-98
1. 2994.	-99.000	-99.000	-98
1. 2999.	-99.000	-99.000	-98
1. 3039.	-99.000	-99.000	-98
1. 3064.	-99.000	-99.000	-98
1. 3085.	-99.000	-99.000	-98
1. 3090.	-99.000	-99.000	-98
1. 3100.	-99.000	-99.000	-98
1. 3181.	-99.000	-99.000	-98
1. 3135.	-99.000	-99.000	-98
1. 3140.	-99.000	-99.000	-98
1. 3145.	-99.000	-99.000	-98
1. 3150.	-99.000	-99.000	-98
1. 3155.	-99.000	-99.000	-98
1. 3165.	-99.000	-99.000	-98
1. 3175.	-99.000	-99.000	-98
1. 3180.	-99.000	-99.000	-98
1. 3198.	-99.000	-99.000	-98
1. 3218.	-99.000	-99.000	-98
1. 3228.	-99.000	-99.000	-98
1. 3229.	-99.000	-99.000	-98
1. 3243.	-99.000	-99.000	-98
1. 3248.	-99.000	-99.000	-98
1. 3268.	-99.000	-99.000	-98
1. 3276.	-99.000	-99.000	-98
1. 3290.	-99.000	-99.000	-98
1. 3310.	-99.000	-99.000	-98
1. 3316.	-99.000	-99.000	-98
1. 3326.	-99.000	-99.000	-98
1. 3341.	-99.000	-99.000	-98
1. 3346.	-99.000	-99.000	-98
1. 3366.	-99.000	-99.000	-98
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	-99.000	-99.000	-98
1. 3426.	-99.000	-99.000	-98
1. 3467.	-99.000	-99.000	-98
1. 3482.	-99.000	-99.000	-98
1. 3583.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3543.	-99.000	-99.000	-98
1. 3553.	-99.000	-99.000	-98
1. 3573.	-99.000	-99.000	-98
1. 3578.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3593.	-99.000	-99.000	-98
1. 3606.	-99.000	-99.000	-98
1. 3631.	-99.000	-99.000	-98
1. 3636.	-99.000	-99.000	-98
1. 3651.	-99.000	-99.000	-98
1. 3701.	-99.000	-99.000	-98
1. 3724.	-99.000	-99.000	-98
1. 3748.	-99.000	-99.000	-98
1. 3773.	-99.000	-99.000	-98
1. 3782.	-99.000	-99.000	-98
1. 3792.	-99.000	-99.000	-98
1. 3797.	-99.000	-99.000	-98
1. 3807.	-99.000	-99.000	-98
1. 3818.	-99.000	-99.000	-98
1. 3849.	-99.000	-99.000	-98
1. 3859.	-99.000	-99.000	-98
1. 3860.	-99.000	-99.000	-98
1. 3869.	-99.000	-99.000	-98
1. 3874.	-99.000	-99.000	-98
1. 3888.	-99.000	-99.000	-98
1. 3908.	-99.000	-99.000	-98
1. 3925.	-99.000	-99.000	-98
1. 3939.	-99.000	-99.000	-98
1. 3998.	-99.000	-99.000	-98
1. 4045.	-99.000	-99.000	-98
2. 2655.	-99.000	-99.000	-98
2. 2710.	-99.000	-99.000	-98
2. 2761.	-99.000	-99.000	-98
2. 3000.	-99.000	-99.000	-98
2. 3025.	-99.000	-99.000	-98
2. 3050.	-99.000	-99.000	-98
2. 3101.	-99.000	-99.000	-98
2. 3303.	-99.000	-99.000	-98
2. 3328.	-99.000	-99.000	-98
2. 3378.	-99.000	-99.000	-98
2. 3428.	-99.000	-99.000	-98
2. 3478.	-99.000	-99.000	-98
2. 3528.	-99.000	-99.000	-98
2. 3896.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
2. 3922.	-99.000	-99.000	-98
2. 3961.	-99.000	-99.000	-98
2. 3971.	-99.000	-99.000	-98
3. 2434.	1.330	21.375	21
3. 2444.	1.520	24.429	24
3. 2454.	1.680	27.000	27
3. 2463.	1.700	27.321	27
3. 2464.	1.760	28.286	28
3. 2474.	1.860	29.893	29
3. 2494.	1.680	27.000	27
3. 2504.	1.750	28.125	28
3. 2514.	1.920	30.857	30
3. 2514.	2.000	32.143	32
3. 2524.	2.060	33.107	33
3. 2534.	2.160	34.714	34
3. 2545.	.940	15.107	15
3. 2555.	1.120	18.000	18
3. 2565.	1.250	20.089	20
3. 2565.	1.320	21.214	21
3. 2575.	1.420	22.821	22
3. 2586.	1.480	23.786	23
3. 2588.	2.670	42.911	42
3. 2595.	2.700	43.393	43
3. 2607.	3.000	48.214	48
3. 2617.	3.160	50.786	50
3. 2617.	3.070	49.339	49
3. 2637.	3.560	57.214	57
3. 2646.	1.600	25.714	25
3. 2656.	1.670	26.839	26
3. 2666.	1.920	30.857	30
3. 2666.	2.000	32.143	32
3. 2676.	2.030	32.625	32
3. 2686.	2.120	34.071	34
3. 2686.	2.150	34.554	34
3. 2696.	2.330	37.446	37
3. 2705.	2.250	36.161	36
3. 2715.	2.370	38.089	38
3. 2725.	2.580	41.464	41
3. 2725.	2.670	42.911	42
3. 2735.	2.780	44.679	44
3. 2745.	2.850	45.804	45
3. 2755.	2.950	47.411	47
3. 2763.	2.100	33.750	33
3. 2773.	2.250	36.161	36
3. 2784.	2.530	40.661	40
3. 2784.	2.580	41.464	41
3. 2793.	2.620	42.107	42
3. 2802.	2.670	42.911	42
3. 2814.	2.850	45.804	45
3. 2822.	2.030	32.625	32

SAMPLE ID	X	TRANS	INT
3. 2830.	2.100	33.750	33
3. 2842.	2.370	38.089	38
3. 2842.	2.370	38.089	38
3. 2852.	2.400	38.571	38
3. 2862.	2.450	39.375	39
3. 2872.	2.620	42.107	42
3. 2881.	1.750	28.125	28
3. 2891.	1.900	30.536	30
3. 2901.	2.050	32.946	32
3. 2901.	2.120	34.071	34
3. 2911.	2.170	34.875	34
3. 2921.	2.280	36.643	36
3. 2931.	2.670	42.911	42
3. 2940.	2.470	39.696	39
3. 2950.	2.500	40.179	40
3. 2960.	2.750	44.196	44
3. 2960.	2.670	42.911	42
3. 2970.	2.800	45.000	45
3. 2980.	2.850	45.804	45
3. 2990.	3.050	49.018	49
3. 2999.	3.250	52.232	52
3. 3009.	3.330	53.518	53
3. 3019.	3.670	58.982	58
3. 3019.	3.600	57.857	57
3. 3029.	3.780	60.750	60
3. 3030.	3.920	63.000	63
3. 3049.	0.000	0.000	0
3. 3054.	.970	15.589	15
3. 3069.	1.230	20.571	20
3. 3069.	1.230	19.768	19
3. 3079.	1.620	26.036	26
3. 3089.	1.280	20.571	20
3. 3099.	1.550	24.911	24
3. 3107.	1.670	26.839	26
3. 3117.	1.750	28.125	28
3. 3127.	1.870	30.054	30
3. 3137.	2.020	32.464	32
3. 3137.	1.980	31.821	31
3. 3146.	2.080	33.429	33
3. 3157.	2.160	34.714	34
3. 3166.	1.160	18.643	18
3. 3176.	1.220	19.607	19
3. 3186.	1.360	21.857	21
3. 3186.	1.420	22.821	22
3. 3196.	1.500	24.107	24
3. 3196.	1.530	24.589	24
3. 3206.	1.560	25.071	25
3. 3216.	1.520	24.429	24
3. 3224.	1.420	22.821	22
3. 3234.	1.470	23.625	23

SAMPLE ID		X	TRANS	INT
3.	3244.	1.720	27.643	27
3.	3244.	1.700	27.321	27
3.	3254.	1.730	27.804	27
3.	3264.	1.760	28.286	28
3.	3274.	1.920	30.857	30
3.	3284.	2.200	35.357	35
3.	3294.	2.260	36.321	36
3.	3304.	2.420	38.893	38
3.	3304.	2.380	38.250	38
3.	3310.	2.480	39.857	39
3.	3315.	2.480	39.857	39
3.	3325.	1.700	27.321	27
3.	3335.	1.670	26.839	26
3.	3345.	1.880	30.214	30
3.	3345.	1.870	30.054	30
3.	3355.	1.920	30.857	30
3.	3365.	1.970	31.661	31
3.	3375.	2.080	33.429	33
3.	3384.	1.330	21.375	21
3.	3394.	1.660	26.679	26
3.	3404.	1.870	30.054	30
3.	3404.	1.870	30.054	30
4.	4872.	2.030	32.625	32
4.	4882.	2.120	34.071	34
4.	4892.	2.350	37.768	37
4.	4902.	2.420	38.893	38
4.	4912.	2.500	40.179	40
4.	4922.	2.770	44.518	44
4.	4930.	1.900	30.536	30
4.	4940.	2.080	33.429	33
4.	4950.	2.380	38.250	38
4.	4960.	2.450	39.375	39
4.	4970.	2.800	45.000	45
4.	4980.	3.020	48.536	48
4.	5212.	.880	14.143	14
4.	5222.	1.280	20.571	20
4.	5232.	1.370	22.018	22
4.	5242.	1.400	22.500	22
4.	5253.	1.280	20.571	20
4.	5263.	1.620	26.036	26
4.	5273.	1.700	27.321	27
4.	5283.	1.750	28.125	28
4.	5293.	1.970	31.661	31
4.	5303.	2.020	32.464	32
4.	5312.	1.180	18.964	18
4.	5322.	1.330	21.375	21
4.	5332.	1.380	22.179	22
4.	5342.	1.450	23.304	23
4.	5347.	1.100	17.679	17
4.	5357.	1.270	20.411	20

SAMPLE ID	X	TRANS	INT
4. 5362.	1.270	20.411	20
4. 5372.	1.320	21.214	21
4. 5382.	1.500	24.107	24
4. 5394.	1.940	31.179	31
4. 5404.	2.000	32.143	32
4. 5414.	2.230	35.839	35
4. 5424.	2.270	36.482	36
4. 5434.	2.320	37.286	37
4. 5444.	2.450	39.375	39
4. 5447.	.820	13.179	13
4. 5457.	.930	14.946	14
4. 5467.	1.080	17.357	17
5. 321.	.800	12.857	12
5. 331.	.880	14.143	14
5. 341.	1.130	18.161	18
5. 344.	.680	10.929	10
5. 354.	.770	12.375	12
5. 365.	.950	15.268	15
5. 372.	.720	11.571	11
5. 382.	.800	12.857	12
5. 392.	.920	14.786	14
5. 401.	.720	11.571	11
5. 411.	.780	12.536	12
5. 421.	.920	14.786	14
5. 431.	.530	8.518	8
5. 441.	.620	9.964	9
5. 451.	.680	10.929	10
5. 468.	.600	9.643	9
5. 468.	.780	12.536	12
5. 478.	.870	13.982	13
5. 485.	.650	10.446	10
5. 495.	.750	12.054	12
5. 505.	.850	13.661	13
5. 515.	.020	13.179	13
5. 525.	.880	14.143	14
5. 537.	.400	6.429	6
5. 547.	.570	9.161	9
5. 557.	.650	10.446	10
5. 564.	1.450	23.304	23
5. 574.	1.620	26.036	26
5. 584.	1.700	27.321	27
5. 592.	.520	8.357	8
5. 602.	.730	11.732	11
6. 927.	.830	13.339	13
6. 937.	1.330	21.375	21
6. 947.	1.580	25.393	25
6. 951.	.720	11.571	11
6. 961.	1.020	16.393	16
6. 971.	1.420	22.821	22
6. 980.	.780	12.536	12

SAMPLE ID	X	TRANS	INT
6. 990.	.870	13.982	13
6. 1000.	1.100	17.679	17
6. 1010.	.670	10.768	10
6. 1020.	1.030	16.554	16
6. 1030.	1.230	19.768	19
6. 1040.	.780	12.536	12
6. 1050.	1.180	18.964	18
6. 1060.	1.270	20.411	20
6. 1070.	.630	10.125	10
6. 1080.	1.020	15.393	16
6. 1090.	1.130	18.161	18
6. 1100.	.600	9.643	9
6. 1110.	1.000	15.071	16
6. 1120.	1.070	17.196	17
6. 1130.	.650	10.446	10
6. 1140.	.900	14.464	14
7. 2183.	.500	8.036	8
7. 2191.	2.000	32.143	32
7. 2220.	1.050	16.875	16
7. 2230.	1.250	20.089	20
7. 2239.	1.550	24.911	24
7. 2251.	1.670	26.839	26
7. 2259.	1.830	29.411	29
7. 2271.	2.080	33.429	33
7. 2281.	1.080	17.357	17
7. 2290.	1.250	20.089	20
7. 2300.	1.580	25.393	25
7. 2310.	1.720	27.643	27
7. 2319.	2.000	32.143	32
8. 2495.	1.250	20.089	20
8. 2505.	1.500	24.107	24
8. 2515.	1.750	28.125	28
8. 2528.	1.830	29.411	29
8. 2536.	2.000	32.143	32
8. 2547.	2.250	36.161	36
8. 2554.	2.330	37.446	37
8. 2565.	2.500	40.179	40
8. 2575.	2.670	42.911	42
8. 2585.	2.830	45.482	45
8. 2595.	3.000	48.214	48
9. 3494.	.500	8.036	8
9. 3506.	.750	12.054	12
9. 3516.	.920	14.786	14
9. 3526.	1.080	17.357	17
9. 3536.	1.170	18.804	18
9. 3545.	1.330	21.375	21
9. 3555.	1.000	15.071	16
9. 3564.	1.170	18.804	18
9. 3575.	1.330	21.375	21
9. 3585.	1.500	24.107	24

SAMPLE ID	X	TRANS	INT
9. 3593.	1.580	25.393	25
9. 3605.	1.750	23.125	28
9. 3606.	1.500	24.107	24
9. 3606.	1.500	24.107	24
9. 3616.	1.750	23.125	28
9. 3626.	1.910	30.696	30
9. 3634.	2.080	33.429	33
9. 3644.	2.140	34.393	34
9. 3644.	2.150	34.554	34
9. 3665.	1.000	16.071	16
9. 3675.	1.080	17.357	17
9. 3685.	1.170	18.804	18
9. 3695.	1.300	20.893	20
9. 3705.	1.450	23.304	23
9. 3711.	1.600	25.714	25
10. 2700.	2.380	38.250	38
10. 2710.	2.420	38.893	38
10. 2720.	2.470	39.696	39
10. 2730.	2.870	46.125	46
10. 2740.	2.900	46.607	46
10. 2750.	2.930	47.089	47
10. 2753.	1.170	18.804	18
10. 2763.	1.430	22.982	22
10. 2773.	1.580	25.393	25
10. 2783.	1.730	27.804	27
10. 2793.	1.900	30.536	30
10. 2803.	2.030	32.625	32
10. 2811.	1.750	23.125	28
10. 2821.	2.080	33.429	33
10. 2841.	2.430	39.054	39
10. 2851.	2.580	41.464	41
10. 2861.	2.770	44.518	44
10. 2869.	1.170	18.804	18
10. 2879.	1.470	23.625	23
10. 2889.	1.630	26.196	26
10. 2899.	1.870	30.054	30
10. 2909.	2.080	33.429	33
10. 2919.	2.250	36.161	36
10. 2927.	1.020	16.393	16
10. 2937.	1.280	20.571	20
10. 2947.	1.420	22.821	22
10. 2957.	1.540	24.750	24
10. 2967.	1.650	26.518	26
10. 2977.	1.770	28.446	28
10. 2985.	1.050	16.875	16
10. 2995.	1.250	20.089	20
10. 3005.	1.420	22.821	22
10. 3015.	1.530	24.589	24
10. 3025.	1.720	27.643	27

SAMPLE ID	X	TRANS	INT
10. 3035.	1.970	31.661	31
10. 3044.	1.730	27.804	27
10. 3054.	1.880	30.214	30
10. 3064.	2.000	32.143	32
10. 3074.	2.150	34.554	34
10. 3084.	2.370	38.089	38
10. 3094.	2.500	40.179	40
10. 3102.	1.050	16.875	16
10. 3112.	1.220	19.607	19
10. 3122.	1.400	22.500	22
10. 3132.	1.650	26.518	26
10. 3144.	1.900	30.536	30
10. 3152.	2.250	36.161	36
10. 3161.	1.280	20.571	20
10. 3171.	1.400	22.500	22
10. 3181.	1.600	25.714	25
10. 3191.	1.750	28.125	28
10. 3201.	1.870	30.054	30
10. 3211.	2.020	32.464	32
10. 3220.	.920	14.786	14
10. 3230.	1.040	16.714	16
10. 3240.	1.220	19.607	19
10. 3253.	1.730	27.804	27
10. 3262.	2.020	32.464	32
10. 3272.	2.150	34.554	34
10. 3282.	2.280	36.643	36
10. 3292.	2.430	39.054	39
10. 3302.	2.620	42.107	42
10. 3311.	2.050	32.946	32
10. 3321.	2.220	35.679	35
10. 3331.	2.330	37.446	37
10. 3341.	2.670	42.911	42
10. 3351.	2.870	46.125	46
10. 3361.	3.040	48.857	48
10. 3369.	.700	11.250	11
10. 3380.	.820	13.179	13
10. 3389.	1.000	16.071	16
11. 3012.	1.100	17.679	17
11. 3022.	1.520	24.429	24
11. 3043.	1.070	17.196	17
11. 3051.	.230	3.696	3
11. 3056.	.970	15.589	15
11. 3063.	1.270	20.411	20
11. 3067.	.200	3.214	3
11. 3074.	1.180	18.964	18
11. 3080.	1.630	26.196	26
11. 3080.	.700	11.250	11
11. 3086.	2.130	34.232	34
11. 3094.	1.600	25.714	25
11. 3099.	.850	13.661	13
11. 3106.	-99.000	-99.000	-98

VARIABLE% METHANE MAX% 81.550 MIN% .110 F% .774

SAMPLE ID	X	TRANS	INT
1. 2746.	79.210	61.190	61
1. 2755.	28.430	21.908	21
1. 2782.	20.600	15.851	15
1. 2787.	27.750	21.382	21
1. 2797.	9.600	7.341	7
1. 2802.	6.880	5.237	5
1. 2827.	14.100	10.822	10
1. 2832.	36.620	28.243	28
1. 2837.	18.620	14.319	14
1. 2842.	17.240	13.251	13
1. 2852.	36.780	28.367	28
1. 2897.	3.940	2.963	2
1. 2927.	41.000	31.632	31
1. 2937.	-99.000	-99.000	-98
1. 2941.	23.170	17.839	17
1. 2947.	48.710	37.596	37
1. 2959.	2.580	1.911	1
1. 2964.	24.390	18.782	18
1. 2994.	14.340	11.008	11
1. 2999.	40.160	30.982	30
1. 3039.	.240	.101	0
1. 3064.	20.360	15.665	15
1. 3085.	27.930	21.521	21
1. 3090.	16.650	12.795	12
1. 3100.	13.600	10.436	10
1. 3101.	17.700	13.607	13
1. 3135.	13.230	10.149	10
1. 3140.	16.500	12.679	12
1. 3145.	44.900	34.648	34
1. 3150.	22.480	17.305	17
1. 3155.	5.720	4.340	4
1. 3165.	1.140	.797	0
1. 3175.	30.050	23.161	23
1. 3190.	31.200	24.050	24
1. 3198.	40.800	36.118	36
1. 3218.	13.130	10.072	10
1. 3228.	9.850	7.535	7
1. 3229.	27.740	21.374	21
1. 3243.	27.610	21.273	21
1. 3248.	21.320	16.408	16
1. 3268.	21.900	16.856	16
1. 3276.	2.450	1.810	1
1. 3290.	10.230	7.829	7
1. 3310.	23.100	17.785	17
1. 3316.	7.120	5.423	5
1. 3326.	18.980	14.597	14
1. 3341.	43.820	33.813	33
1. 3346.	46.490	35.878	35
1. 3366.	26.900	20.724	20
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	29.700	22.890	22
1. 3426.	58.400	45.092	45
1. 3467.	24.140	18.589	18
1. 3482.	24.210	18.643	18
1. 3503.	55.890	43.150	43
1. 3588.	51.050	39.406	39
1. 3543.	26.300	20.260	20
1. 3553.	53.910	41.618	41
1. 3573.	59.190	45.703	45
1. 3578.	42.850	33.063	33
1. 3588.	17.820	13.700	13
1. 3593.	35.900	27.686	27
1. 3606.	58.340	45.045	45
1. 3631.	56.930	43.955	43
1. 3636.	58.000	44.782	44
1. 3651.	57.590	44.465	44
1. 3701.	58.650	45.285	45
1. 3724.	-99.000	-99.000	-98
1. 3748.	37.840	29.187	29
1. 3773.	20.040	15.417	15
1. 3782.	14.340	11.008	11
1. 3792.	2.800	2.081	2
1. 3797.	.340	.178	0
1. 3807.	37.400	28.847	28
1. 3818.	5.320	4.030	4
1. 3849.	4.690	3.543	3
1. 3859.	40.270	31.067	31
1. 3860.	18.270	14.048	14
1. 3869.	55.490	42.841	42
1. 3874.	15.160	11.642	11
1. 3888.	15.230	11.696	11
1. 3908.	39.700	30.626	30
1. 3925.	47.350	36.544	36
1. 3939.	23.850	18.365	18
1. 3998.	47.420	36.598	36
1. 4045.	63.930	49.370	49
2. 2655.	8.470	6.467	6
2. 2710.	11.870	9.097	9
2. 2761.	12.690	9.732	9
2. 3000.	25.880	19.935	19
2. 3025.	23.090	17.769	17
2. 3050.	22.630	17.421	17
2. 3101.	32.880	25.350	25
2. 3303.	19.580	15.062	15
2. 3328.	23.980	18.465	18
2. 3378.	54.100	41.765	41
2. 3428.	47.290	36.497	36
2. 3478.	16.340	12.555	12
2. 3528.	57.760	44.597	44
2. 3896.	47.480	36.644	36

SAMPLE ID	X	TRANS	INT
2. 3922.	46.330	35.755	35
2. 3961.	65.190	50.344	50
2. 3971.	59.080	45.618	45
3. 2434.	33.780	26.046	26
3. 2444.	28.610	22.047	22
3. 2454.	17.030	13.089	13
3. 2463.	.230	.093	0
3. 2464.	27.670	21.320	21
3. 2474.	28.670	22.093	22
3. 2494.	19.120	14.706	14
3. 2504.	18.220	14.009	14
3. 2514.	8.910	6.807	6
3. 2514.	-99.000	-99.000	-98
3. 2524.	6.700	5.098	5
3. 2534.	2.100	1.539	1
3. 2545.	1.090	.758	0
3. 2555.	.380	.209	0
3. 2565.	13.690	10.505	10
3. 2565.	1.480	1.060	1
3. 2575.	2.060	1.508	1
3. 2586.	1.380	.982	0
3. 2588.	-99.000	-99.000	-98
3. 2595.	.180	.054	0
3. 2607.	4.770	3.605	3
3. 2617.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
3. 2637.	.210	.077	0
3. 2646.	.130	.015	0
3. 2656.	10.410	7.968	7
3. 2666.	11.280	8.641	8
3. 2666.	9.700	7.419	7
3. 2676.	5.620	4.262	4
3. 2686.	8.790	6.715	6
3. 2686.	3.840	2.885	2
3. 2696.	3.470	2.599	2
3. 2705.	4.670	3.528	3
3. 2715.	.710	.464	0
3. 2725.	1.260	.890	0
3. 2725.	.450	.263	0
3. 2735.	1.360	.967	0
3. 2745.	10.120	7.743	7
3. 2755.	.860	.580	0
3. 2763.	.950	.650	0
3. 2773.	1.760	1.276	1
3. 2784.	3.210	2.398	2
3. 2784.	3.040	2.267	2
3. 2793.	.600	.379	0
3. 2802.	1.300	.921	0
3. 2814.	.740	.487	0
3. 2822.	.780	.518	0

SAMPLE ID	X	TRANS	INT
3. 2830.	.540	.333	0
3. 2842.	.440	.255	0
3. 2842.	.520	.317	0
3. 2852.	3.300	2.468	2
3. 2852.	13.560	10.405	10
3. 2872.	5.930	4.502	4
3. 2881.	14.800	11.364	11
3. 2891.	2.940	2.189	2
3. 2901.	9.890	7.566	7
3. 2901.	3.690	2.769	2
3. 2911.	8.770	6.699	6
3. 2921.	4.620	3.489	3
3. 2931.	8.440	6.444	6
3. 2940.	25.240	19.440	19
3. 2950.	4.790	3.620	3
3. 2960.	28.270	21.784	21
3. 2960.	25.230	19.432	19
3. 2970.	21.390	16.462	16
3. 2980.	9.490	7.256	7
3. 2990.	15.650	12.021	12
3. 2999.	4.000	3.009	3
3. 3009.	20.580	15.835	15
3. 3019.	3.870	2.909	2
3. 3019.	3.620	2.715	2
3. 3029.	1.820	1.323	1
3. 3038.	12.310	9.438	9
3. 3049.	42.220	32.575	32
3. 3054.	37.500	28.924	28
3. 3069.	36.620	28.243	28
3. 3069.	27.930	21.521	21
3. 3079.	46.810	36.126	36
3. 3089.	27.140	20.910	20
3. 3099.	33.730	26.008	26
3. 3107.	19.130	14.713	14
3. 3117.	1.100	.766	0
3. 3127.	5.590	4.239	4
3. 3137.	6.430	4.889	4
3. 3137.	1.680	1.215	1
3. 3146.	4.590	3.466	3
3. 3157.	7.240	5.516	5
3. 3166.	1.280	.905	0
3. 3176.	2.390	1.764	1
3. 3186.	11.040	8.455	8
3. 3186.	7.120	5.423	5
3. 3196.	.340	.178	0
3. 3196.	4.530	3.419	3
3. 3206.	2.470	1.826	1
3. 3216.	7.310	5.570	5
3. 3224.	27.070	20.856	20
3. 3234.	1.730	1.253	1

SAMPLE ID	X	TRANS	INT
3. 3244.	1.510	1.083	1
3. 3244.	.370	.201	0
3. 3254.	10.580	8.099	8
3. 3264.	18.600	14.303	14
3. 3274.	4.470	3.373	3
3. 3284.	3.010	2.243	2
3. 3294.	-99.000	-99.000	-98
3. 3304.	1.810	1.315	1
3. 3304.	1.050	.727	0
3. 3310.	-99.000	-99.000	-98
3. 3315.	9.180	7.016	7
3. 3325.	20.130	15.487	15
3. 3335.	10.940	8.378	8
3. 3345.	4.980	3.767	3
3. 3345.	7.380	5.624	5
3. 3355.	20.580	15.835	15
3. 3365.	24.610	18.953	18
3. 3375.	36.030	27.787	27
3. 3384.	18.850	14.497	14
3. 3394.	30.810	23.749	23
3. 3404.	21.500	16.547	16
3. 3404.	.160	.039	0
4. 4872.	64.000	49.424	49
4. 4882.	61.700	47.645	47
4. 4892.	64.500	49.811	49
4. 4902.	63.400	48.960	48
4. 4912.	65.900	50.894	50
4. 4922.	58.600	45.246	45
4. 4930.	51.000	39.367	39
4. 4940.	52.200	40.296	40
4. 4950.	44.100	34.030	34
4. 4960.	41.810	32.258	32
4. 4970.	2.730	2.027	2
4. 4980.	10.800	8.270	8
4. 5212.	38.700	29.852	29
4. 5222.	39.660	30.595	30
4. 5232.	65.230	50.375	50
4. 5242.	58.010	44.790	44
4. 5253.	55.400	42.771	42
4. 5263.	57.210	44.171	44
4. 5273.	58.120	44.875	44
4. 5283.	67.810	52.371	52
4. 5293.	71.810	55.465	55
4. 5303.	77.500	59.867	59
4. 5312.	47.390	36.575	36
4. 5322.	61.700	47.645	47
4. 5332.	21.600	16.624	16
4. 5342.	72.100	55.690	55
4. 5347.	60.000	46.329	46
4. 5357.	70.500	54.452	54

SAMPLE ID	X	TRANS	INT
4. 5362.	73.900	57.082	57
4. 5372.	78.300	60.486	60
4. 5382.	66.600	51.435	51
4. 5394.	35.650	27.493	27
4. 5404.	51.030	39.390	39
4. 5414.	62.900	48.573	48
4. 5424.	69.850	53.949	53
4. 5434.	55.200	42.616	42
4. 5444.	71.300	55.071	55
4. 5447.	68.900	53.214	53
4. 5457.	56.300	43.467	43
4. 5467.	80.400	62.110	62
5. 321.	-99.000	-99.000	-98
5. 331.	.150	.031	0
5. 341.	.170	.046	0
5. 344.	.240	.101	0
5. 354.	.380	.209	0
5. 365.	.280	.132	0
5. 372.	.210	.077	0
5. 382.	.130	.015	0
5. 392.	.270	.124	0
5. 401.	.530	.325	0
5. 411.	.440	.255	0
5. 421.	.270	.124	0
5. 431.	.960	.658	0
5. 441.	.580	.364	0
5. 451.	2.300	1.694	1
5. 458.	1.590	1.145	1
5. 468.	.650	.418	0
5. 478.	-99.000	-99.000	-98
5. 485.	.840	.565	0
5. 495.	.550	.340	0
5. 505.	2.030	1.485	1
5. 515.	.570	.356	0
5. 525.	1.650	1.191	1
5. 537.	1.760	1.276	1
5. 547.	.750	.495	0
5. 557.	1.520	1.091	1
5. 564.	.930	.634	0
5. 574.	.810	.542	0
5. 584.	.430	.248	0
5. 592.	.300	.147	0
5. 602.	.390	.217	0
6. 927.	.500	.302	0
6. 937.	.180	.054	0
6. 947.	.200	.070	0
6. 951.	.580	.364	0
6. 961.	.430	.248	0
6. 971.	.640	.410	0
6. 980.	.280	.132	0

SAMPLE ID	X	TRANS	INT
6. 990.	.310	.155	0
6. 1000.	.640	.410	0
6. 1010.	.280	.132	0
6. 1020.	.780	.518	0
6. 1030.	.870	.588	0
6. 1040.	.620	.395	0
6. 1050.	.550	.340	0
6. 1060.	.490	.294	0
6. 1070.	1.350	.959	0
6. 1080.	2.180	1.601	1
6. 1090.	1.580	1.137	1
6. 1100.	.630	.325	0
6. 1110.	1.400	.998	1
6. 1120.	.220	.085	0
6. 1130.	.110	0.000	0
6. 1140.	-99.000	-99.000	-98
7. 2183.	81.550	63.000	63
7. 2191.	67.210	51.907	51
7. 2220.	35.650	27.493	27
7. 2230.	27.400	21.111	21
7. 2239.	57.440	44.349	44
7. 2251.	25.300	19.486	19
7. 2259.	69.120	53.384	53
7. 2271.	50.460	38.950	38
7. 2281.	59.930	46.275	46
7. 2290.	43.460	33.535	33
7. 2300.	43.400	33.488	33
7. 2310.	46.640	35.994	35
7. 2319.	71.570	55.280	55
8. 2495.	21.470	16.524	16
8. 2505.	66.410	51.288	51
8. 2515.	58.460	45.138	45
8. 2528.	60.600	46.794	46
8. 2536.	54.600	42.152	42
8. 2547.	61.320	47.351	47
8. 2554.	62.950	48.611	48
8. 2565.	52.580	40.590	40
8. 2575.	62.810	48.503	48
8. 2585.	45.000	34.726	34
8. 2595.	59.010	45.564	45
9. 3494.	30.810	23.749	23
9. 3506.	61.860	47.768	47
9. 3516.	61.810	47.730	47
9. 3526.	68.730	53.083	53
9. 3536.	32.810	25.296	25
9. 3545.	37.650	29.040	29
9. 3555.	50.150	38.710	38
9. 3564.	65.280	50.414	50
9. 3575.	68.460	52.874	52
9. 3585.	35.540	27.408	27

SAMPLE ID	X	TRANS	INT
9. 3593.	37.650	29.040	29
9. 3605.	62.310	48.116	48
9. 3606.	49.470	38.184	38
9. 3606.	26.160	20.152	20
9. 3616.	40.650	31.361	31
9. 3626.	48.040	37.077	37
9. 3634.	53.840	41.564	41
9. 3644.	34.190	26.363	26
9. 3644.	14.270	10.954	10
9. 3665.	60.510	46.724	46
9. 3675.	66.650	51.474	51
9. 3685.	60.950	47.064	47
9. 3695.	47.530	36.683	36
9. 3705.	18.110	13.924	13
9. 3711.	19.020	14.628	14
10. 2700.	8.060	6.150	6
10. 2710.	4.580	3.458	3
10. 2720.	10.630	8.138	8
10. 2730.	3.820	2.870	2
10. 2740.	10.780	8.254	8
10. 2750.	7.340	5.593	5
10. 2753.	5.920	4.494	4
10. 2763.	-99.000	-99.000	-98
10. 2773.	5.910	4.487	4
10. 2783.	3.630	2.723	2
10. 2793.	4.610	3.481	3
10. 2803.	8.490	6.483	6
10. 2811.	22.260	17.135	17
10. 2821.	19.420	14.938	14
10. 2841.	16.840	12.942	12
10. 2851.	5.490	4.162	4
10. 2861.	8.340	6.367	6
10. 2869.	-99.000	-99.000	-98
10. 2879.	2.450	1.810	1
10. 2889.	11.480	8.796	8
10. 2899.	12.290	9.422	9
10. 2909.	14.870	11.418	11
10. 2919.	15.700	12.060	12
10. 2927.	25.000	19.254	19
10. 2937.	22.600	17.398	17
10. 2947.	29.100	22.426	22
10. 2957.	30.600	23.586	23
10. 2967.	-99.000	-99.000	-98
10. 2977.	27.600	21.266	21
10. 2985.	13.100	10.049	10
10. 2995.	25.800	19.873	19
10. 3005.	28.300	21.807	21
10. 3015.	14.600	11.209	11
10. 3025.	22.800	17.552	17

SAMPLE ID		X	TRANS	INT
10.	3035.	20.800	16.005	16
10.	3044.	2.580	1.911	1
10.	3054.	4.130	3.110	3
10.	3064.	.150	.031	0
10.	3074.	-99.000	-99.000	-98
10.	3084.	11.100	8.502	8
10.	3094.	3.570	2.677	2
10.	3102.	1.790	1.300	1
10.	3112.	4.610	3.481	3
10.	3122.	31.000	23.896	23
10.	3132.	2.830	2.104	2
10.	3144.	-99.000	-99.000	-98
10.	3152.	42.110	32.490	32
10.	3161.	2.320	1.710	1
10.	3171.	-99.000	-99.000	-98
10.	3181.	4.780	3.613	3
10.	3191.	19.500	15.000	15
10.	3201.	2.680	1.988	1
10.	3211.	1.920	1.400	1
10.	3220.	6.520	4.959	4
10.	3230.	2.770	2.058	2
10.	3240.	9.800	7.496	7
10.	3253.	12.320	9.445	9
10.	3262.	15.900	12.215	12
10.	3272.	18.900	14.535	14
10.	3282.	22.300	17.166	17
10.	3292.	14.500	11.132	11
10.	3302.	-99.000	-99.000	-98
10.	3311.	42.700	32.947	32
10.	3321.	42.340	32.668	32
10.	3331.	51.200	39.522	39
10.	3341.	-99.000	-99.000	-98
10.	3351.	35.400	27.299	27
10.	3361.	26.700	20.569	20
10.	3369.	38.000	29.311	29
10.	3380.	39.700	30.626	30
10.	3389.	-99.000	-99.000	-98
11.	3012.	2.360	1.741	1
11.	3022.	9.730	7.442	7
11.	3043.	4.390	3.311	3
11.	3051.	2.090	1.532	1
11.	3056.	7.010	5.338	5
11.	3063.	11.150	8.540	8
11.	3067.	5.600	4.247	4
11.	3074.	13.470	10.335	10
11.	3080.	4.640	3.504	3
11.	3080.	12.830	9.840	9
11.	3086.	23.010	17.715	17
11.	3094.	4.430	3.342	3
11.	3099.	11.100	8.502	8
11.	3106.	4.050	3.048	3

VARIABLE% ETHANE MAX% 24.620 MIN% 0.000 F% 2.559

SAMPLE ID	X	TRANS	INT
1. 2746.	18.330	46.905	46
1. 2755.	3.960	10.133	10
1. 2782.	1.330	3.403	3
1. 2787.	4.360	11.157	11
1. 2797.	1.400	3.582	3
1. 2802.	2.040	5.220	5
1. 2827.	2.080	5.323	5
1. 2832.	6.110	15.635	15
1. 2837.	2.380	6.090	6
1. 2842.	2.290	5.860	5
1. 2852.	6.450	16.505	16
1. 2897.	.940	2.405	2
1. 2927.	10.000	25.589	25
1. 2937.	-99.000	-99.000	-98
1. 2941.	9.190	23.516	23
1. 2947.	9.510	24.335	24
1. 2959.	.310	.793	0
1. 2964.	4.630	11.848	11
1. 2994.	1.900	4.862	4
1. 2999.	4.610	11.797	11
1. 3039.	.490	1.254	1
1. 3064.	3.720	9.519	9
1. 3085.	4.620	11.822	11
1. 3090.	3.080	7.881	7
1. 3100.	2.170	5.553	5
1. 3181.	3.020	7.728	7
1. 3135.	2.980	7.626	7
1. 3140.	3.250	8.316	8
1. 3145.	11.200	28.660	28
1. 3150.	4.050	10.364	10
1. 3155.	1.140	2.917	2
1. 3165.	.760	1.945	1
1. 3175.	6.970	17.835	17
1. 3180.	5.220	13.357	13
1. 3198.	11.900	30.451	30
1. 3218.	3.720	9.519	9
1. 3228.	2.950	7.549	7
1. 3229.	7.190	18.398	18
1. 3243.	6.980	17.861	17
1. 3248.	4.290	10.978	10
1. 3268.	9.440	24.156	24
1. 3276.	1.440	3.685	3
1. 3290.	3.220	8.240	8
1. 3310.	5.330	13.639	13
1. 3316.	3.050	7.805	7
1. 3326.	6.700	17.145	17
1. 3341.	12.830	32.831	32
1. 3346.	13.120	33.573	33
1. 3366.	9.080	23.235	23
1. 3381.	-99.000	-99.000	-98

SAMPLE ID		^	TRANS	INT
1.	3396.	5.200	13.306	13
1.	3426.	14.980	38.332	38
1.	3467.	6.280	16.070	16
1.	3482.	6.330	16.198	16
1.	3583.	21.930	56.245	56
1.	3588.	20.980	53.686	53
1.	3543.	7.730	19.780	19
1.	3553.	22.810	58.368	58
1.	3573.	16.660	42.631	42
1.	3578.	19.650	50.282	50
1.	3588.	3.870	9.903	9
1.	3593.	8.500	21.751	21
1.	3606.	20.060	51.331	51
1.	3631.	24.620	63.000	63
1.	3636.	21.450	54.888	54
1.	3651.	17.450	44.653	44
1.	3701.	15.810	40.456	40
1.	3724.	-99.000	-99.000	-98
1.	3748.	16.280	41.659	41
1.	3773.	9.400	24.054	24
1.	3782.	6.090	15.584	15
1.	3792.	-99.000	-99.000	-98
1.	3797.	-99.000	-99.000	-98
1.	3807.	16.650	42.606	42
1.	3818.	1.580	4.043	4
1.	3849.	1.140	2.917	2
1.	3859.	15.550	39.791	39
1.	3860.	5.570	14.253	14
1.	3869.	21.200	54.249	54
1.	3874.	3.390	8.675	8
1.	3888.	5.670	14.509	14
1.	3908.	11.300	28.916	28
1.	3925.	15.840	40.533	40
1.	3939.	9.660	24.719	24
1.	3998.	9.980	25.538	25
1.	4045.	18.190	46.546	46
2.	2655.	.810	2.073	2
2.	2710.	1.360	3.480	3
2.	2761.	1.810	4.632	4
2.	3000.	3.360	8.598	8
2.	3025.	4.310	11.029	11
2.	3050.	3.150	8.061	8
2.	3101.	5.980	15.302	15
2.	3303.	4.090	10.466	10
2.	3328.	5.880	15.046	15
2.	3378.	15.100	38.639	38
2.	3428.	10.470	26.792	26
2.	3478.	2.870	7.344	7
2.	3528.	15.820	40.482	40
2.	3896.	13.590	34.775	34

SAMPLE ID		X	TRANS	INT
2.	3922.	20.460	52.355	52
2.	3961.	18.390	47.058	47
2.	3971.	17.990	46.035	46
3.	2434.	8.080	20.676	20
3.	2444.	6.880	17.605	17
3.	2454.	10.600	27.124	27
3.	2463.	1.560	3.992	3
3.	2464.	7.990	20.446	20
3.	2474.	9.660	24.719	24
3.	2494.	5.700	14.586	14
3.	2504.	9.730	24.898	24
3.	2514.	2.460	6.295	6
3.	2514.	-99.000	-99.000	-98
3.	2524.	1.600	4.094	4
3.	2534.	.530	1.356	1
3.	2545.	1.240	3.173	3
3.	2555.	-99.000	-99.000	-98
3.	2565.	5.020	12.846	12
3.	2565.	1.960	5.015	5
3.	2575.	1.970	5.041	5
3.	2586.	.280	.716	0
3.	2588.	-99.000	-99.000	-98
3.	2595.	-99.000	-99.000	-98
3.	2607.	1.610	4.120	4
3.	2617.	-99.000	-99.000	-98
3.	2617.	-99.000	-99.000	-98
3.	2637.	.190	.486	0
3.	2646.	-99.000	-99.000	-98
3.	2656.	7.270	18.603	18
3.	2666.	9.340	23.900	23
3.	2666.	4.060	10.389	10
3.	2676.	5.060	12.948	12
3.	2686.	3.690	9.442	9
3.	2686.	3.050	7.805	7
3.	2696.	3.950	10.108	10
3.	2705.	2.470	6.320	6
3.	2715.	.500	1.279	1
3.	2725.	.950	2.431	2
3.	2725.	.500	1.279	1
3.	2735.	.840	2.149	2
3.	2745.	2.890	7.395	7
3.	2755.	.320	.819	0
3.	2763.	.520	1.331	1
3.	2773.	.910	2.329	2
3.	2784.	1.250	3.199	3
3.	2784.	1.410	3.608	3
3.	2793.	.320	.819	0
3.	2802.	.590	1.510	1
3.	2814.	.530	1.356	1
3.	2822.	.780	1.996	2

SAMPLE ID	X	TRANS	INT
3. 2830.	.240	.614	0
3. 2842.	.310	.793	0
3. 2842.	.350	.896	0
3. 2852.	1.500	3.838	3
3. 2862.	4.790	12.257	12
3. 2872.	1.630	4.171	4
3. 2881.	2.870	7.344	7
3. 2891.	.880	2.252	2
3. 2901.	2.520	6.448	6
3. 2901.	.870	2.226	2
3. 2911.	4.050	10.364	10
3. 2921.	1.510	3.864	3
3. 2931.	1.800	4.606	4
3. 2940.	9.200	23.542	23
3. 2950.	1.850	4.734	4
3. 2960.	8.530	21.827	21
3. 2960.	7.850	20.087	20
3. 2970.	7.850	20.087	20
3. 2980.	2.190	5.604	5
3. 2990.	7.570	19.371	19
3. 2999.	.900	2.303	2
3. 3009.	8.110	20.753	20
3. 3019.	1.620	4.145	4
3. 3019.	1.530	3.915	3
3. 3029.	.550	1.407	1
3. 3038.	4.910	12.564	12
3. 3049.	14.650	37.488	37
3. 3054.	11.200	20.660	20
3. 3069.	9.100	23.286	23
3. 3069.	6.520	16.684	16
3. 3079.	12.650	32.370	32
3. 3089.	7.990	20.446	20
3. 3099.	15.900	40.686	40
3. 3107.	5.030	12.871	12
3. 3117.	.410	1.049	1
3. 3127.	1.730	4.427	4
3. 3137.	.720	1.842	1
3. 3137.	.530	1.356	1
3. 3146.	.910	2.329	2
3. 3157.	2.950	7.549	7
3. 3166.	.240	.614	0
3. 3176.	.560	1.433	1
3. 3186.	2.430	6.218	6
3. 3186.	1.570	4.017	4
3. 3196.	.200	.512	0
3. 3196.	.430	1.100	1
3. 3206.	.520	1.331	1
3. 3216.	1.450	3.710	3
3. 3224.	7.920	20.266	20
3. 3234.	.390	.998	1

SAMPLE ID	X	TRANS	INT
3. 3244.	.390	.998	1
3. 3244.	.170	.435	0
3. 3254.	1.740	4.452	4
3. 3264.	5.720	14.637	14
3. 3274.	1.860	4.760	4
3. 3284.	1.720	4.401	4
3. 3294.	-99.000	-99.000	-98
3. 3304.	.530	1.356	1
3. 3304.	.210	.537	0
3. 3310.	-99.000	-99.000	-98
3. 3315.	2.730	6.986	6
3. 3325.	5.360	13.716	13
3. 3335.	3.330	8.521	8
3. 3345.	1.720	4.401	4
3. 3345.	2.940	7.523	7
3. 3355.	6.580	16.838	16
3. 3365.	8.750	22.390	22
3. 3375.	11.850	30.323	30
3. 3384.	4.640	11.873	11
3. 3394.	10.020	25.640	25
3. 3404.	6.080	15.558	15
3. 3404.	.060	.154	0
4. 4872.	6.740	17.247	17
4. 4882.	6.300	16.121	16
4. 4892.	6.700	17.145	17
4. 4902.	7.630	19.524	19
4. 4912.	6.990	17.887	17
4. 4922.	5.990	15.328	15
4. 4930.	3.990	10.210	10
4. 4940.	5.570	14.253	14
4. 4950.	4.410	11.285	11
4. 4960.	3.870	9.903	9
4. 4970.	-99.000	-99.000	-98
4. 4980.	10.700	42.887	42
4. 5212.	3.330	8.521	8
4. 5222.	3.870	9.903	9
4. 5232.	4.150	10.619	10
4. 5242.	4.620	11.822	11
4. 5253.	8.000	20.471	20
4. 5263.	5.270	13.485	13
4. 5273.	8.250	21.111	21
4. 5283.	9.070	23.209	23
4. 5293.	9.300	23.798	23
4. 5303.	4.780	12.232	12
4. 5312.	6.370	16.300	16
4. 5322.	5.250	13.434	13
4. 5332.	1.500	3.838	3
4. 5342.	6.800	17.400	17
4. 5347.	4.560	11.669	11
4. 5357.	6.150	15.737	15

SAMPLE ID	X	TRANS	INT
4. 5362.	7.910	20.241	20
4. 5372.	8.500	21.751	21
4. 5382.	6.700	17.145	17
4. 5394.	2.920	7.472	7
4. 5404.	6.350	16.249	16
4. 5414.	6.100	15.609	15
4. 5424.	5.710	14.611	14
4. 5434.	5.800	14.842	14
4. 5444.	7.500	19.192	19
4. 5447.	6.340	16.223	16
4. 5457.	5.100	13.050	13
4. 5467.	7.500	19.192	19
5. 321.	.500	1.279	1
5. 331.	-99.000	-99.000	-98
5. 341.	-99.000	-99.000	-98
5. 344.	.060	.154	0
5. 354.	.130	.333	0
5. 365.	.050	.128	0
5. 372.	.040	.102	0
5. 382.	-99.000	-99.000	-98
5. 392.	.040	.102	0
5. 401.	.080	.205	0
5. 411.	.050	.128	0
5. 421.	.040	.102	0
5. 431.	.130	.333	0
5. 441.	.090	.230	0
5. 451.	.280	.716	0
5. 458.	.240	.614	0
5. 468.	.080	.205	0
5. 478.	-99.000	-99.000	-98
5. 485.	.120	.307	0
5. 495.	.040	.102	0
5. 505.	.220	.563	0
5. 515.	.060	.154	0
5. 525.	.180	.461	0
5. 537.	.100	.256	0
5. 547.	-99.000	-99.000	-98
5. 557.	.120	.307	0
5. 564.	.410	1.049	1
5. 574.	-99.000	-99.000	-98
5. 584.	-99.000	-99.000	-98
5. 592.	.210	.537	0
5. 602.	-99.000	-99.000	-98
6. 927.	-99.000	-99.000	-98
6. 937.	-99.000	-99.000	-98
6. 947.	-99.000	-99.000	-98
6. 951.	-99.000	-99.000	-98
6. 961.	-99.000	-99.000	-98
6. 971.	-99.000	-99.000	-98
6. 980.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
6. 990.	-99.000	-99.000	-98
6. 1000.	-99.000	-99.000	-98
6. 1010.	-99.000	-99.000	-98
6. 1020.	-99.000	-99.000	-98
6. 1030.	.480	1.228	1
6. 1040.	.300	.768	0
6. 1050.	.100	.256	0
6. 1060.	.350	.896	0
6. 1070.	1.080	2.764	2
6. 1080.	.650	1.663	1
6. 1090.	1.500	3.838	3
6. 1100.	.610	1.561	1
6. 1110.	.700	1.791	1
6. 1120.	-99.000	-99.000	-98
6. 1130.	-99.000	-99.000	-98
6. 1140.	-99.000	-99.000	-98
7. 2183.	6.110	15.635	15
7. 2191.	4.470	11.438	11
7. 2220.	2.790	7.139	7
7. 2230.	1.880	4.811	4
7. 2239.	3.900	9.980	9
7. 2251.	2.000	5.118	5
7. 2259.	2.980	7.626	7
7. 2271.	2.780	7.114	7
7. 2281.	2.170	5.553	5
7. 2290.	1.780	4.555	4
7. 2300.	1.970	5.041	5
7. 2310.	1.880	4.811	4
7. 2319.	2.450	6.269	6
8. 2495.	4.610	11.797	11
8. 2505.	3.600	9.212	9
8. 2515.	4.190	10.722	10
8. 2528.	2.590	6.628	6
8. 2536.	2.270	5.809	5
8. 2547.	6.010	15.379	15
8. 2554.	5.420	13.869	13
8. 2565.	5.040	12.897	12
8. 2575.	4.600	11.771	11
8. 2585.	3.300	8.444	8
8. 2595.	4.950	12.667	12
9. 3494.	10.100	25.845	25
9. 3506.	11.380	29.120	29
9. 3516.	12.820	32.805	32
9. 3526.	12.520	32.037	32
9. 3536.	6.560	16.786	16
9. 3545.	7.030	17.989	17
9. 3555.	13.720	35.108	35
9. 3564.	14.550	37.232	37
9. 3575.	10.300	26.357	26
9. 3585.	8.400	21.495	21

SAMPLE ID	X	TRANS	INT
9. 3593.	6.600	16.889	16
9. 3605.	13.540	34.647	34
9. 3606.	12.970	33.189	33
9. 3606.	6.660	17.042	17
9. 3616.	6.570	16.812	16
9. 3626.	8.180	20.932	20
9. 3634.	7.370	18.859	18
9. 3644.	6.200	15.865	15
9. 3644.	3.570	9.135	9
9. 3665.	13.650	34.929	34
9. 3675.	14.980	38.332	38
9. 3685.	10.760	27.534	27
9. 3695.	8.490	21.725	21
9. 3705.	3.600	9.212	9
9. 3711.	4.600	11.771	11
10. 2700.	1.480	3.787	3
10. 2710.	.730	1.868	1
10. 2720.	1.490	3.813	3
10. 2730.	.390	.998	1
10. 2740.	.950	2.431	2
10. 2750.	.960	2.457	2
10. 2753.	.620	1.587	1
10. 2763.	-99.000	-99.000	-98
10. 2773.	.720	1.842	1
10. 2783.	.490	1.254	1
10. 2793.	.520	1.331	1
10. 2803.	.800	2.047	2
10. 2811.	2.130	5.450	5
10. 2821.	5.070	12.974	12
10. 2841.	2.240	5.732	5
10. 2851.	.340	.870	0
10. 2861.	.660	1.689	1
10. 2869.	-99.000	-99.000	-98
10. 2879.	.120	.307	0
10. 2889.	1.040	2.661	2
10. 2899.	1.180	3.019	3
10. 2909.	1.480	3.787	3
10. 2919.	1.770	4.529	4
10. 2927.	3.200	8.188	8
10. 2937.	2.360	6.039	6
10. 2947.	5.300	13.562	13
10. 2957.	3.930	10.056	10
10. 2967.	-99.000	-99.000	-98
10. 2977.	3.690	9.442	9
10. 2985.	1.470	3.762	3
10. 2995.	3.020	7.728	7
10. 3005.	3.310	8.470	8
10. 3015.	1.610	4.120	4
10. 3025.	2.470	6.320	6

SAMPLE ID	X	TRANS	INT
10. 3035.	2.220	5.681	5
10. 3044.	.270	.691	0
10. 3054.	.520	1.331	1
10. 3064.	0.000	0.000	0
10. 3074.	-99.000	-99.000	-98
10. 3084.	1.170	2.994	2
10. 3094.	.330	.844	0
10. 3102.	.260	.665	0
10. 3112.	.940	2.405	2
10. 3122.	3.730	9.545	9
10. 3132.	.390	.998	1
10. 3144.	-99.000	-99.000	-98
10. 3152.	8.810	22.544	22
10. 3161.	.230	.589	0
10. 3171.	-99.000	-99.000	-98
10. 3181.	.670	1.714	1
10. 3191.	2.110	5.399	5
10. 3201.	.250	.640	0
10. 3211.	.180	.461	0
10. 3220.	1.070	2.738	2
10. 3230.	.510	1.305	1
10. 3240.	1.980	5.067	5
10. 3253.	2.320	5.937	5
10. 3262.	1.860	4.760	4
10. 3272.	3.500	8.956	8
10. 3282.	4.810	12.308	12
10. 3292.	2.780	7.114	7
10. 3302.	-99.000	-99.000	-98
10. 3311.	7.700	19.703	19
10. 3321.	6.980	17.861	17
10. 3331.	9.170	23.465	23
10. 3341.	-99.000	-99.000	-98
10. 3351.	5.600	14.330	14
10. 3361.	3.560	9.110	9
10. 3369.	5.760	14.739	14
10. 3380.	7.440	19.038	19
10. 3389.	-99.000	-99.000	-98
11. 3012.	.810	2.073	2
11. 3022.	2.900	7.421	7
11. 3043.	1.350	3.455	3
11. 3051.	.560	1.433	1
11. 3056.	1.260	3.224	3
11. 3063.	1.620	4.145	4
11. 3067.	.890	2.277	2
11. 3074.	1.690	4.325	4
11. 3080.	1.310	3.352	3
11. 3080.	3.320	8.496	8
11. 3086.	6.380	16.326	16
11. 3094.	.930	2.380	2
11. 3099.	1.690	4.325	4
11. 3106.	.700	1.791	1

VARIABLE% PROPANE MAX% 13.650 MIN% 0.000 F% 4.611

SAMPLE ID	X	TRANS	INT
1. 2746.	2.420	11.169	11
1. 2755.	1.730	7.985	7
1. 2782.	1.010	4.662	4
1. 2787.	2.020	9.323	9
1. 2797.	1.000	4.615	4
1. 2802.	1.620	7.477	7
1. 2827.	1.680	7.754	7
1. 2832.	2.680	12.369	12
1. 2837.	1.630	7.523	7
1. 2842.	1.330	6.138	6
1. 2852.	3.580	16.523	16
1. 2897.	.990	4.569	4
1. 2927.	5.600	25.846	25
1. 2937.	-99.000	-99.000	-90
1. 2941.	8.510	39.277	39
1. 2947.	4.150	19.154	19
1. 2959.	.430	1.985	1
1. 2964.	3.610	16.662	16
1. 2994.	1.660	7.662	7
1. 2999.	1.920	8.862	8
1. 3039.	1.260	5.815	5
1. 3064.	2.210	10.200	10
1. 3085.	2.010	9.277	9
1. 3090.	2.160	9.969	9
1. 3100.	1.750	8.077	8
1. 3181.	1.710	7.892	7
1. 3135.	2.460	11.354	11
1. 3140.	2.720	12.554	12
1. 3145.	5.240	24.185	24
1. 3150.	3.380	15.600	15
1. 3155.	1.310	6.046	6
1. 3165.	.990	4.569	4
1. 3175.	3.680	16.985	16
1. 3180.	3.180	14.677	14
1. 3198.	5.500	25.385	25
1. 3218.	2.050	9.462	9
1. 3228.	1.810	8.354	8
1. 3229.	3.430	15.831	15
1. 3243.	3.410	15.738	15
1. 3248.	3.170	14.631	14
1. 3268.	6.410	29.585	29
1. 3276.	1.830	8.446	8
1. 3290.	1.680	7.754	7
1. 3310.	2.920	13.477	13
1. 3316.	2.740	12.646	12
1. 3326.	3.850	17.769	17
1. 3341.	6.400	29.538	29
1. 3346.	7.290	33.646	33
1. 3366.	5.700	26.308	26
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	2.500	11.538	11
1. 3426.	12.270	56.631	56
1. 3467.	3.610	16.662	16
1. 3482.	3.760	17.354	17
1. 3583.	13.590	62.723	62
1. 3588.	13.070	60.323	60
1. 3543.	3.970	18.323	18
1. 3553.	13.650	63.000	63
1. 3573.	9.860	45.508	45
1. 3578.	12.750	58.846	58
1. 3588.	2.760	12.738	12
1. 3593.	3.600	16.615	16
1. 3606.	10.400	48.000	48
1. 3631.	11.710	54.046	54
1. 3636.	13.160	60.738	60
1. 3651.	10.140	46.800	46
1. 3701.	7.870	36.323	36
1. 3724.	-99.000	-99.000	-98
1. 3748.	7.710	35.585	35
1. 3773.	5.420	25.015	25
1. 3782.	4.940	22.800	22
1. 3792.	5.330	24.600	24
1. 3797.	.100	.462	0
1. 3807.	8.280	38.215	38
1. 3818.	.900	4.154	4
1. 3849.	.530	2.446	2
1. 3859.	8.160	37.662	37
1. 3860.	4.400	20.308	20
1. 3869.	12.370	57.092	57
1. 3874.	3.390	15.646	15
1. 3888.	3.890	17.954	17
1. 3908.	5.130	23.677	23
1. 3925.	8.050	37.154	37
1. 3939.	5.710	26.354	26
1. 3998.	4.090	18.877	18
1. 4045.	10.980	50.677	50
2. 2655.	.280	1.292	1
2. 2710.	.630	2.908	2
2. 2761.	.990	4.569	4
2. 3000.	1.840	8.492	8
2. 3025.	3.810	17.585	17
2. 3050.	1.560	7.200	7
2. 3101.	2.540	11.723	11
2. 3303.	2.920	13.477	13
2. 3328.	3.420	15.785	15
2. 3378.	13.050	60.231	60
2. 3428.	6.310	29.123	29
2. 3478.	1.560	7.200	7
2. 3528.	10.010	46.200	46
2. 3896.	7.720	35.631	35

SAMPLE ID	X	TRANS	INT
2. 3922.	13.270	61.246	61
2. 3961.	9.790	45.185	45
2. 3971.	11.270	52.015	52
3. 2434.	3.990	18.415	18
3. 2444.	3.300	15.231	15
3. 2454.	1.780	8.215	8
3. 2463.	.220	1.015	1
3. 2464.	2.510	11.585	11
3. 2474.	4.160	19.200	19
3. 2494.	2.500	11.538	11
3. 2504.	2.900	13.385	13
3. 2514.	.710	3.277	3
3. 2514.	-99.000	-99.000	-98
3. 2524.	.050	.231	0
3. 2534.	.420	1.938	1
3. 2545.	.330	1.523	1
3. 2555.	.420	1.938	1
3. 2565.	1.960	9.046	9
3. 2565.	.590	2.723	2
3. 2575.	1.810	8.354	8
3. 2586.	.300	1.385	1
3. 2588.	.480	2.215	2
3. 2595.	.140	.646	0
3. 2607.	.720	3.323	3
3. 2617.	-99.000	-99.000	-98
3. 2617.	.300	1.385	1
3. 2637.	-99.000	-99.000	-98
3. 2646.	.260	1.200	1
3. 2656.	1.280	5.008	5
3. 2666.	2.670	12.323	12
3. 2666.	3.620	16.708	16
3. 2676.	1.580	7.292	7
3. 2686.	2.450	11.308	11
3. 2686.	.940	4.338	4
3. 2696.	1.570	7.246	7
3. 2705.	2.120	9.785	9
3. 2715.	.570	2.631	2
3. 2725.	1.050	4.846	4
3. 2725.	.980	4.523	4
3. 2735.	1.730	7.985	7
3. 2745.	2.730	12.600	12
3. 2755.	.360	1.662	1
3. 2763.	.490	2.262	2
3. 2773.	1.080	4.985	4
3. 2784.	.870	4.015	4
3. 2784.	1.380	6.369	6
3. 2793.	.390	1.800	1
3. 2802.	.640	2.954	2
3. 2814.	.520	2.400	2
3. 2822.	.420	1.938	1

SAMPLE ID	X	TRANS	INT
3. 2830.	.370	1.708	1
3. 2842.	.470	2.169	2
3. 2842.	.490	2.262	2
3. 2852.	1.100	5.077	5
3. 2862.	3.110	14.354	14
3. 2872.	1.120	5.169	5
3. 2881.	2.480	11.446	11
3. 2891.	.660	3.046	3
3. 2901.	1.970	9.092	9
3. 2901.	.730	3.369	3
3. 2911.	1.510	6.969	6
3. 2921.	1.800	8.308	8
3. 2931.	1.500	6.923	6
3. 2940.	6.060	27.969	27
3. 2950.	1.490	6.877	6
3. 2960.	6.290	29.031	29
3. 2960.	5.470	25.246	25
3. 2970.	5.540	25.569	25
3. 2980.	1.340	6.185	6
3. 2990.	5.490	25.338	25
3. 2999.	1.100	5.077	5
3. 3009.	5.010	23.123	23
3. 3019.	1.110	5.123	5
3. 3019.	1.170	5.400	5
3. 3029.	.420	1.938	1
3. 3038.	3.200	14.769	14
3. 3049.	9.430	43.523	43
3. 3054.	9.300	42.923	42
3. 3069.	6.020	27.785	27
3. 3069.	3.310	15.277	15
3. 3079.	8.510	39.277	39
3. 3089.	4.970	22.938	22
3. 3099.	11.100	51.231	51
3. 3107.	3.260	15.046	15
3. 3117.	-99.000	-99.000	-98
3. 3127.	.660	3.046	3
3. 3137.	2.750	12.692	12
3. 3137.	.250	1.154	1
3. 3146.	1.110	5.123	5
3. 3157.	2.060	9.508	9
3. 3166.	.240	1.108	1
3. 3176.	.680	3.138	3
3. 3186.	1.940	8.954	8
3. 3186.	.730	3.369	3
3. 3196.	.370	1.708	1
3. 3196.	1.980	9.138	9
3. 3206.	.640	2.954	2
3. 3216.	.420	1.938	1
3. 3224.	4.570	21.092	21
3. 3234.	.460	2.123	2

SAMPLE ID	X	TRANS	INT
3. 3244.	.380	1.754	1
3. 3244.	.220	1.015	1
3. 3254.	.820	3.785	3
3. 3264.	2.980	13.754	13
3. 3274.	1.630	7.523	7
3. 3284.	1.190	5.492	5
3. 3294.	-99.000	-99.000	-98
3. 3304.	.420	1.938	1
3. 3304.	.170	.785	0
3. 3310.	-99.000	-99.000	-98
3. 3315.	1.550	7.154	7
3. 3325.	3.680	16.985	16
3. 3335.	2.450	11.308	11
3. 3345.	1.280	5.908	5
3. 3345.	1.970	9.092	9
3. 3355.	3.990	18.415	18
3. 3365.	6.280	28.985	28
3. 3375.	7.670	35.400	35
3. 3384.	2.100	9.692	9
3. 3394.	6.530	30.138	30
3. 3404.	2.890	13.338	13
3. 3404.	.180	.831	0
4. 4872.	.840	3.877	3
4. 4882.	.740	3.415	3
4. 4892.	.860	3.969	3
4. 4902.	.950	4.385	4
4. 4912.	.840	3.877	3
4. 4922.	.740	3.415	3
4. 4930.	.530	2.446	2
4. 4940.	.680	3.138	3
4. 4950.	.590	2.723	2
4. 4960.	.530	2.446	2
4. 4970.	-99.000	-99.000	-98
4. 4980.	.110	.508	0
4. 5212.	3.770	17.400	17
4. 5222.	.380	1.754	1
4. 5232.	.300	1.385	1
4. 5242.	.380	1.754	1
4. 5253.	.650	3.000	3
4. 5263.	.610	2.815	2
4. 5273.	1.100	5.077	5
4. 5283.	.840	3.877	3
4. 5293.	.860	3.969	3
4. 5303.	.440	2.031	2
4. 5312.	.540	2.492	2
4. 5322.	.430	1.985	1
4. 5332.	.070	.323	0
4. 5342.	.610	2.815	2
4. 5347.	.430	1.985	1
4. 5357.	.510	2.354	2

SAMPLE ID	X	TRANS	INT
4. 5362.	.630	2.908	2
4. 5372.	.700	3.231	3
4. 5382.	.610	2.815	2
4. 5394.	.460	2.123	2
4. 5404.	.750	3.462	3
4. 5414.	.470	2.169	2
4. 5424.	.410	1.892	1
4. 5434.	.680	3.138	3
4. 5444.	.550	2.538	2
4. 5447.	.400	1.846	1
4. 5457.	.360	1.662	1
4. 5467.	.550	2.538	2
5. 321.	.020	.092	0
5. 331.	.240	1.108	1
5. 341.	.490	2.262	2
5. 344.	-99.000	-99.000	-98
5. 354.	.240	1.108	1
5. 365.	.390	1.800	1
5. 372.	.310	1.431	1
5. 382.	-99.000	-99.000	-98
5. 392.	.330	1.523	1
5. 401.	.370	1.708	1
5. 411.	.350	1.615	1
5. 421.	.460	2.123	2
5. 431.	.590	2.723	2
5. 441.	.520	2.400	2
5. 451.	.510	2.354	2
5. 458.	.380	1.754	1
5. 468.	.260	1.200	1
5. 478.	-99.000	-99.000	-98
5. 485.	.310	1.431	1
5. 495.	.410	1.892	1
5. 505.	.400	1.846	1
5. 515.	.280	1.292	1
5. 525.	.540	2.492	2
5. 537.	.390	1.800	1
5. 547.	.550	2.538	2
5. 557.	.340	1.569	1
5. 564.	.790	3.646	3
5. 574.	.470	2.169	2
5. 584.	-99.000	-99.000	-98
5. 592.	.180	.831	0
5. 602.	.220	1.015	1
6. 927.	.430	1.985	1
6. 937.	.370	1.708	1
6. 947.	.260	1.200	1
6. 951.	-99.000	-99.000	-98
6. 961.	-99.000	-99.000	-98
6. 971.	.650	3.000	3
6. 980.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
6. 990.	.710	3.277	3
6. 1000.	-99.000	-99.000	-98
6. 1010.	.290	1.338	1
6. 1020.	.600	2.769	2
6. 1030.	.630	2.908	2
6. 1040.	.410	1.892	1
6. 1050.	.260	1.200	1
6. 1060.	.570	2.631	2
6. 1070.	1.100	5.077	5
6. 1080.	1.430	6.600	6
6. 1090.	.740	3.415	3
6. 1100.	.120	.554	0
6. 1110.	.240	1.108	1
6. 1120.	.530	2.446	2
6. 1130.	.340	1.569	1
6. 1140.	.230	1.062	1
7. 2183.	1.100	5.077	5
7. 2191.	1.030	4.754	4
7. 2220.	1.050	4.846	4
7. 2230.	.070	.323	0
7. 2239.	1.180	5.446	5
7. 2251.	.400	1.846	1
7. 2259.	1.830	8.446	8
7. 2271.	2.300	10.615	10
7. 2281.	-99.000	-99.000	-98
7. 2290.	-99.000	-99.000	-98
7. 2300.	-99.000	-99.000	-98
7. 2310.	0.000	0.000	0
7. 2319.	-99.000	-99.000	-98
8. 2495.	3.530	16.292	16
8. 2505.	.220	1.015	1
8. 2515.	.260	1.200	1
8. 2528.	0.000	0.000	0
8. 2536.	1.650	7.615	7
8. 2547.	.200	.923	0
8. 2554.	.340	1.569	1
8. 2565.	1.630	7.523	7
8. 2575.	0.000	0.000	0
8. 2585.	0.000	0.000	0
8. 2595.	2.360	10.892	10
9. 3494.	7.040	32.492	32
9. 3506.	5.630	25.985	25
9. 3516.	7.480	34.523	34
9. 3526.	6.590	30.415	30
9. 3536.	2.790	12.877	12
9. 3545.	3.050	14.077	14
9. 3555.	8.710	40.200	40
9. 3564.	7.650	35.308	35
9. 3575.	3.450	15.923	15
9. 3585.	3.600	16.615	16

SAMPLE ID	X	TRANS	INT
9. 3593.	2.510	11.585	11
9. 3605.	7.570	34.938	34
9. 3606.	7.050	32.538	32
9. 3606.	4.250	19.615	19
9. 3616.	2.950	13.615	13
9. 3626.	3.080	14.215	14
9. 3634.	2.430	11.215	11
9. 3644.	2.360	10.892	10
9. 3644.	1.980	9.138	9
9. 3665.	6.980	32.215	32
9. 3675.	6.550	30.231	30
9. 3685.	4.860	22.431	22
9. 3695.	7.410	34.200	34
9. 3705.	1.990	9.185	9
9. 3711.	2.020	9.323	9
10. 2700.	.480	2.215	2
10. 2710.	.430	1.985	1
10. 2720.	.750	3.462	3
10. 2730.	.190	.877	0
10. 2740.	.950	4.385	4
10. 2750.	.390	1.800	1
10. 2753.	.300	1.385	1
10. 2763.	-99.000	-99.000	-98
10. 2773.	.420	1.938	1
10. 2783.	.240	1.108	1
10. 2793.	.350	1.615	1
10. 2803.	.810	3.738	3
10. 2811.	1.190	5.492	5
10. 2821.	3.870	17.862	17
10. 2841.	.930	4.292	4
10. 2851.	.710	3.277	3
10. 2861.	.880	4.062	4
10. 2869.	-99.000	-99.000	-98
10. 2870.	.390	1.800	1
10. 2889.	.980	4.523	4
10. 2899.	1.080	4.985	4
10. 2909.	.810	3.738	3
10. 2919.	1.070	4.938	4
10. 2927.	2.000	9.231	9
10. 2937.	1.560	7.200	7
10. 2947.	1.800	8.308	8
10. 2957.	2.390	11.031	11
10. 2967.	-99.000	-99.000	-98
10. 2977.	2.250	10.385	10
10. 2985.	.950	4.385	4
10. 2995.	1.390	6.415	6
10. 3005.	2.180	10.062	10
10. 3015.	1.100	5.077	5
10. 3025.	1.190	5.492	5

SAMPLE ID		X	TRANS	INT
10.	3035.	1.240	5.723	5
10.	3044.	.160	.738	0
10.	3054.	.240	1.108	1
10.	3064.	0.000	0.000	0
10.	3074.	-99.000	-99.000	-98
10.	3084.	.820	3.785	3
10.	3094.	.180	.831	0
10.	3102.	0.000	0.000	0
10.	3112.	.880	4.062	4
10.	3122.	2.170	10.015	10
10.	3132.	.260	1.200	1
10.	3144.	-99.000	-99.000	-98
10.	3152.	4.560	21.046	21
10.	3161.	.210	.969	0
10.	3171.	-99.000	-99.000	-98
10.	3181.	.420	1.938	1
10.	3191.	1.020	4.708	4
10.	3201.	.120	.554	0
10.	3211.	.290	1.338	1
10.	3220.	1.060	4.892	4
10.	3230.	.250	1.154	1
10.	3240.	1.060	4.892	4
10.	3253.	2.440	11.262	11
10.	3262.	1.890	8.723	8
10.	3272.	2.120	9.785	9
10.	3282.	3.340	15.415	15
10.	3292.	1.980	9.138	9
10.	3302.	-99.000	-99.000	-98
10.	3311.	4.550	21.000	21
10.	3321.	3.760	17.354	17
10.	3331.	4.600	21.231	21
10.	3341.	-99.000	-99.000	-98
10.	3351.	2.940	13.569	13
10.	3361.	2.070	9.554	9
10.	3369.	2.950	13.615	13
10.	3380.	5.480	25.292	25
10.	3389.	-99.000	-99.000	-98
11.	3012.	.400	1.846	1
11.	3022.	1.240	5.723	5
11.	3043.	.500	2.308	2
11.	3051.	.230	1.062	1
11.	3056.	.840	3.877	3
11.	3063.	.670	3.092	3
11.	3067.	.600	2.769	2
11.	3074.	.840	3.877	3
11.	3080.	.920	4.246	4
11.	3080.	1.620	7.477	7
11.	3086.	4.070	18.785	18
11.	3094.	.310	1.431	1
11.	3099.	.860	3.969	3
11.	3106.	.190	.877	0

VARIABLE% BUTANE MAX% 4.330 MIN% 0.000 F% 14.550

SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	.470	6.838	6
1. 2762.	.220	3.201	3
1. 2787.	.580	8.439	8
1. 2797.	.180	2.619	2
1. 2802.	.410	5.965	5
1. 2827.	.430	6.256	6
1. 2832.	.650	9.457	9
1. 2837.	.300	4.365	4
1. 2842.	.240	3.492	3
1. 2852.	1.260	18.333	18
1. 2897.	.550	8.002	8
1. 2927.	1.800	26.189	26
1. 2937.	-99.000	-99.000	-98
1. 2941.	2.730	39.721	39
1. 2947.	1.070	15.568	15
1. 2959.	.850	12.367	12
1. 2964.	1.300	18.915	18
1. 2994.	.400	5.820	5
1. 2999.	.580	8.439	8
1. 3039.	.510	7.420	7
1. 3064.	.520	7.566	7
1. 3085.	.800	11.640	11
1. 3090.	.520	7.566	7
1. 3100.	.510	7.420	7
1. 3181.	.510	7.420	7
1. 3135.	.870	12.658	12
1. 3140.	.770	11.203	11
1. 3145.	1.400	20.370	20
1. 3150.	.930	13.531	13
1. 3155.	.320	4.656	4
1. 3165.	.510	7.420	7
1. 3175.	.920	13.386	13
1. 3180.	.960	13.968	13
1. 3198.	.740	10.767	10
1. 3218.	.490	7.129	7
1. 3228.	.540	7.857	7
1. 3229.	.860	12.513	12
1. 3243.	.670	9.748	9
1. 3248.	1.110	16.150	16
1. 3268.	1.620	23.570	23
1. 3276.	.410	5.965	5
1. 3290.	.460	6.693	6
1. 3310.	.830	12.076	12
1. 3316.	1.210	17.605	17
1. 3326.	1.080	15.714	15
1. 3341.	1.640	23.861	23
1. 3346.	2.130	30.991	30
1. 3366.	2.060	29.972	29
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	.800	11.640	11
1. 3426.	3.420	49.760	49
1. 3467.	1.080	15.714	15
1. 3482.	1.120	16.296	16
1. 3583.	3.880	56.453	56
1. 3588.	3.470	50.487	50
1. 3543.	1.310	19.060	19
1. 3553.	4.100	59.654	59
1. 3573.	2.930	42.630	42
1. 3578.	4.330	63.000	63
1. 3588.	.960	13.968	13
1. 3593.	1.200	17.460	17
1. 3606.	3.460	50.342	50
1. 3631.	4.250	61.836	61
1. 3636.	3.510	51.069	51
1. 3651.	2.540	36.956	36
1. 3701.	1.740	25.316	25
1. 3724.	-99.000	-99.000	-98
1. 3748.	2.480	36.083	36
1. 3773.	1.640	23.861	23
1. 3782.	2.430	35.356	35
1. 3792.	-99.000	-99.000	-98
1. 3797.	-99.000	-99.000	-98
1. 3807.	1.900	27.644	27
1. 3818.	.200	2.910	2
1. 3849.	.140	2.037	2
1. 3859.	1.840	26.771	26
1. 3860.	1.440	20.952	20
1. 3869.	2.640	38.411	38
1. 3874.	1.090	15.859	15
1. 3888.	1.340	19.497	19
1. 3908.	1.340	19.497	19
1. 3925.	2.220	32.300	32
1. 3939.	1.830	26.626	26
1. 3998.	1.000	14.550	14
1. 4045.	2.310	33.610	33
2. 2655.	0.000	0.000	0
2. 2710.	.040	.582	0
2. 2761.	.100	1.455	1
2. 3000.	.530	7.711	7
2. 3025.	.770	11.203	11
2. 3050.	.380	5.529	5
2. 3101.	.660	9.603	9
2. 3303.	.540	7.857	7
2. 3328.	.740	10.767	10
2. 3378.	3.110	45.249	45
2. 3428.	2.070	30.118	30
2. 3478.	.510	7.420	7
2. 3528.	2.750	40.012	40
2. 3896.	1.770	25.753	25

SAMPLE ID	X	TRANS	INT
2. 3922.	3.960	57.617	57
2. 3961.	2.050	29.827	29
2. 3971.	2.100	30.554	30
3. 2434.	1.790	26.044	26
3. 2444.	1.710	24.880	24
3. 2454.	.400	5.820	5
3. 2463.	.050	.727	0
3. 2464.	.620	9.021	9
3. 2474.	.460	6.693	6
3. 2494.	.960	13.968	13
3. 2504.	1.390	20.224	20
3. 2514.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2524.	.010	.145	0
3. 2534.	.010	.145	0
3. 2545.	-99.000	-99.000	-98
3. 2555.	-99.000	-99.000	-98
3. 2565.	.700	10.185	10
3. 2565.	.210	3.055	3
3. 2575.	.280	4.074	4
3. 2586.	.020	.291	0
3. 2588.	-99.000	-99.000	-98
3. 2595.	.020	.291	0
3. 2607.	.980	14.259	14
3. 2617.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
3. 2637.	-99.000	-99.000	-98
3. 2646.	-99.000	-99.000	-98
3. 2656.	.970	14.113	14
3. 2666.	1.400	20.370	20
3. 2666.	.580	8.439	8
3. 2676.	.370	5.383	5
3. 2686.	.630	9.166	9
3. 2686.	.240	3.492	3
3. 2696.	.510	7.420	7
3. 2705.	.520	7.566	7
3. 2715.	.120	1.746	1
3. 2725.	.280	4.074	4
3. 2725.	.080	1.164	1
3. 2735.	.190	2.764	2
3. 2745.	.500	7.275	7
3. 2755.	.050	.727	0
3. 2763.	.160	2.328	2
3. 2773.	.660	9.603	9
3. 2784.	.290	4.219	4
3. 2784.	.280	4.074	4
3. 2793.	.040	.582	0
3. 2802.	.080	1.164	1
3. 2814.	.090	1.309	1
3. 2822.	.020	.291	0

SAMPLE ID	X	TRANS	INT
3. 2830.	.020	.291	0
3. 2842.	.030	.436	0
3. 2842.	.050	.727	0
3. 2852.	.030	.436	0
3. 2862.	.720	10.476	10
3. 2872.	.280	4.074	4
3. 2881.	.910	13.240	13
3. 2891.	.180	2.619	2
3. 2901.	.440	6.402	6
3. 2901.	.240	3.492	3
3. 2911.	1.000	14.550	14
3. 2921.	.500	7.275	7
3. 2931.	.340	4.947	4
3. 2940.	1.860	27.062	27
3. 2950.	.330	4.801	4
3. 2960.	1.640	23.861	23
3. 2960.	1.390	20.224	20
3. 2970.	1.790	26.044	26
3. 2980.	.270	3.928	3
3. 2990.	2.080	30.263	30
3. 2999.	.700	10.185	10
3. 3009.	1.420	20.661	20
3. 3019.	.310	4.510	4
3. 3019.	.300	4.365	4
3. 3029.	.060	.873	0
3. 3038.	4.190	60.963	60
3. 3049.	2.590	37.684	37
3. 3054.	-99.000	-99.000	-98
3. 3069.	1.730	25.171	25
3. 3069.	1.040	15.132	15
3. 3079.	2.110	30.700	30
3. 3089.	1.400	20.370	20
3. 3099.	3.530	51.360	51
3. 3107.	1.020	14.041	14
3. 3117.	-99.000	-99.000	-98
3. 3127.	.100	1.455	1
3. 3137.	.140	2.037	2
3. 3137.	.040	.582	0
3. 3146.	.240	3.492	3
3. 3157.	.490	7.129	7
3. 3166.	.020	.291	0
3. 3176.	.070	1.018	1
3. 3186.	.290	4.219	4
3. 3186.	.180	2.619	2
3. 3196.	.020	.291	0
3. 3196.	.060	.873	0
3. 3206.	.070	1.018	1
3. 3216.	.160	2.328	2
3. 3224.	1.180	17.169	17
3. 3234.	.020	.291	0

SAMPLE ID	X	TRANS	INT
3. 3244.	.020	.291	0
3. 3244.	.010	.145	0
3. 3254.	.100	1.455	1
3. 3264.	.700	10.185	10
3. 3274.	.320	4.656	4
3. 3284.	.390	5.674	5
3. 3294.	-99.000	-99.000	-98
3. 3304.	.030	.436	0
3. 3304.	.020	.291	0
3. 3310.	-99.000	-99.000	-98
3. 3315.	.410	5.965	5
3. 3325.	1.080	15.714	15
3. 3335.	.610	8.875	8
3. 3345.	.290	4.219	4
3. 3345.	.420	6.111	6
3. 3355.	1.140	16.587	16
3. 3365.	1.650	24.007	24
3. 3375.	1.860	27.062	27
3. 3384.	.790	11.349	11
3. 3394.	1.410	20.515	20
3. 3404.	.710	10.330	10
3. 3404.	-99.000	-99.000	-98
4. 4872.	.240	3.492	3
4. 4882.	.150	2.182	2
4. 4892.	.080	1.164	1
4. 4902.	-99.000	-99.000	-98
4. 4912.	.100	1.455	1
4. 4922.	.330	4.801	4
4. 4930.	-99.000	-99.000	-98
4. 4940.	-99.000	-99.000	-98
4. 4950.	.110	1.600	1
4. 4960.	-99.000	-99.000	-98
4. 4970.	-99.000	-99.000	-98
4. 4980.	-99.000	-99.000	-98
4. 5212.	-99.000	-99.000	-98
4. 5222.	-99.000	-99.000	-98
4. 5232.	-99.000	-99.000	-98
4. 5242.	-99.000	-99.000	-98
4. 5253.	-99.000	-99.000	-98
4. 5263.	-99.000	-99.000	-98
4. 5273.	-99.000	-99.000	-98
4. 5283.	-99.000	-99.000	-98
4. 5293.	-99.000	-99.000	-98
4. 5303.	-99.000	-99.000	-98
4. 5312.	-99.000	-99.000	-98
4. 5322.	.090	1.309	1
4. 5332.	-99.000	-99.000	-98
4. 5342.	-99.000	-99.000	-98
4. 5347.	.090	1.309	1
4. 5357.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
4. 5362.	.060	.873	0
4. 5372.	-99.000	-99.000	-98
4. 5382.	-99.000	-99.000	-98
4. 5394.	-99.000	-99.000	-98
4. 5404.	.070	1.018	1
4. 5414.	-99.000	-99.000	-98
4. 5424.	-99.000	-99.000	-98
4. 5434.	-99.000	-99.000	-98
4. 5444.	-99.000	-99.000	-98
4. 5447.	-99.000	-99.000	-98
4. 5457.	-99.000	-99.000	-98
4. 5467.	-99.000	-99.000	-98
5. 321.	-99.000	-99.000	-98
5. 331.	-99.000	-99.000	-98
5. 341.	-99.000	-99.000	-98
5. 344.	.060	.873	0
5. 354.	.080	1.164	1
5. 365.	.050	.727	0
5. 372.	.110	1.600	1
5. 382.	.090	1.309	1
5. 392.	.140	2.037	2
5. 401.	.160	2.328	2
5. 411.	.130	1.891	1
5. 421.	.060	.873	0
5. 431.	.270	3.928	3
5. 441.	.210	3.055	3
5. 451.	.420	6.111	6
5. 458.	.360	5.238	5
5. 468.	.110	1.600	1
5. 478.	-99.000	-99.000	-98
5. 485.	.240	3.492	3
5. 495.	.090	1.309	1
5. 505.	.350	5.092	5
5. 515.	.130	1.891	1
5. 525.	.390	5.674	5
5. 537.	.360	5.238	5
5. 547.	.220	3.201	3
5. 557.	.390	5.674	5
5. 564.	.010	.145	0
5. 574.	.120	1.746	1
5. 584.	-99.000	-99.000	-98
5. 592.	.010	.145	0
5. 602.	.020	.291	0
6. 927.	-99.000	-99.000	-98
6. 937.	-99.000	-99.000	-98
6. 947.	-99.000	-99.000	-98
6. 951.	-99.000	-99.000	-98
6. 961.	-99.000	-99.000	-98
6. 971.	.480	6.984	6
6. 980.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
6. 990.	-99.000	-99.000	-98
6. 1000.	.710	10.330	10
6. 1010.	.610	8.875	8
6. 1020.	.260	3.783	3
6. 1030.	.260	3.783	3
6. 1040.	.110	1.600	1
6. 1050.	.100	1.455	1
6. 1060.	.100	1.455	1
6. 1070.	.400	5.820	5
6. 1080.	.510	7.420	7
6. 1090.	.260	3.783	3
6. 1100.	-99.000	-99.000	-98
6. 1110.	.130	1.891	1
6. 1120.	.090	1.309	1
6. 1130.	.060	.873	0
6. 1140.	-99.000	-99.000	-98
7. 2183.	.110	1.600	1
7. 2191.	.090	1.309	1
7. 2220.	.210	3.055	3
7. 2230.	.090	1.309	1
7. 2239.	.210	3.055	3
7. 2251.	.020	.291	0
7. 2259.	.050	.727	0
7. 2271.	.060	.873	0
7. 2281.	-99.000	-99.000	-98
7. 2290.	-99.000	-99.000	-98
7. 2300.	-99.000	-99.000	-98
7. 2310.	0.000	0.000	0
7. 2319.	-99.000	-99.000	-98
8. 2495.	1.720	25.025	25
8. 2505.	0.000	0.000	0
8. 2515.	.050	.727	0
8. 2528.	0.000	0.000	0
8. 2536.	0.000	0.000	0
8. 2547.	0.000	0.000	0
8. 2554.	.070	1.018	1
8. 2565.	.590	8.584	8
8. 2575.	0.000	0.000	0
8. 2585.	0.000	0.000	0
8. 2595.	.980	14.259	14
9. 3494.	2.260	32.882	32
9. 3506.	1.290	18.769	18
9. 3516.	2.050	29.827	29
9. 3526.	2.120	30.845	30
9. 3536.	.680	9.894	9
9. 3545.	.910	13.240	13
9. 3555.	2.160	31.427	31
9. 3564.	2.160	31.427	31
9. 3575.	1.110	16.150	16
9. 3585.	1.700	24.734	24

SAMPLE ID	X	TRANS	INT
9. 3593.	.820	11.931	11
9. 3605.	2.130	30.991	30
9. 3606.	2.520	36.665	36
9. 3606.	1.190	17.314	17
9. 3616.	.850	12.367	12
9. 3626.	.860	12.513	12
9. 3634.	.700	10.185	10
9. 3644.	.680	9.894	9
9. 3644.	.500	7.275	7
9. 3665.	1.880	27.353	27
9. 3675.	1.900	27.644	27
9. 3685.	1.520	22.115	22
9. 3695.	1.040	15.132	15
9. 3705.	.490	7.129	7
9. 3711.	.650	9.457	9
10. 2700.	.170	2.473	2
10. 2710.	.070	1.018	1
10. 2720.	.180	2.619	2
10. 2730.	.060	.873	0
10. 2740.	.210	3.055	3
10. 2750.	.140	2.037	2
10. 2753.	.090	1.309	1
10. 2763.	-99.000	-99.000	-98
10. 2773.	.170	2.473	2
10. 2783.	.090	1.309	1
10. 2793.	.110	1.600	1
10. 2803.	.260	3.783	3
10. 2811.	.320	4.656	4
10. 2821.	1.630	23.716	23
10. 2841.	.310	4.510	4
10. 2851.	.100	1.455	1
10. 2861.	.280	4.074	4
10. 2869.	-99.000	-99.000	-98
10. 2879.	.050	.727	0
10. 2889.	.290	4.219	4
10. 2899.	.330	4.801	4
10. 2909.	.210	3.055	3
10. 2919.	.330	4.801	4
10. 2927.	.580	8.439	8
10. 2937.	.470	6.838	6
10. 2947.	.440	6.402	6
10. 2957.	.700	10.185	10
10. 2967.	-99.000	-99.000	-98
10. 2977.	.610	8.875	8
10. 2985.	.290	4.219	4
10. 2995.	.310	4.510	4
10. 3005.	.650	9.457	9
10. 3015.	.270	3.928	3
10. 3025.	.280	4.074	4

SAMPLE ID	X	TRANS	INT
10. 3035.	.330	4.801	4
10. 3044.	.050	.727	0
10. 3054.	.080	1.164	1
10. 3064.	0.000	0.000	0
10. 3074.	-99.000	-99.000	-98
10. 3084.	.190	2.764	2
10. 3094.	.040	.582	0
10. 3102.	0.000	0.000	0
10. 3112.	.140	2.037	2
10. 3122.	.490	7.129	7
10. 3132.	.040	.582	0
10. 3144.	-99.000	-99.000	-98
10. 3152.	1.350	19.642	19
10. 3161.	.030	.436	0
10. 3171.	-99.000	-99.000	-98
10. 3181.	.130	1.891	1
10. 3191.	.220	3.201	3
10. 3201.	.020	.291	0
10. 3211.	.010	.145	0
10. 3220.	.410	5.965	5
10. 3230.	.090	1.309	1
10. 3240.	.460	6.693	6
10. 3253.	.820	11.931	11
10. 3262.	.550	8.002	8
10. 3272.	.560	8.148	8
10. 3282.	.950	13.822	13
10. 3292.	.590	8.584	8
10. 3302.	-99.000	-99.000	-98
10. 3311.	1.230	17.896	17
10. 3321.	.950	13.822	13
10. 3331.	1.210	17.605	17
10. 3341.	-99.000	-99.000	-98
10. 3351.	.860	12.513	12
10. 3361.	.620	9.021	9
10. 3369.	.770	11.203	11
10. 3380.	1.220	17.751	17
10. 3389.	-99.000	-99.000	-98
11. 3012.	.200	2.910	2
11. 3022.	.660	9.603	9
11. 3043.	.210	3.055	3
11. 3051.	.060	.873	0
11. 3056.	.130	1.891	1
11. 3063.	.180	2.619	2
11. 3067.	.150	2.182	2
11. 3074.	.470	6.838	6
11. 3080.	.450	6.547	6
11. 3080.	.660	9.603	9
11. 3086.	2.400	34.919	34
11. 3094.	.120	1.746	1
11. 3099.	.310	4.510	4
11. 3106.	.340	4.947	4

VARIABLE% PENTANE MAX% 10.000 MIN% 0.000 F% 6.30

SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	-99.000	-99.000	-98
1. 2782.	-99.000	-99.000	-98
1. 2787.	-99.000	-99.000	-98
1. 2797.	-99.000	-99.000	-98
1. 2802.	-99.000	-99.000	-98
1. 2827.	-99.000	-99.000	-98
1. 2832.	-99.000	-99.000	-98
1. 2837.	-99.000	-99.000	-98
1. 2842.	-99.000	-99.000	-98
1. 2852.	-99.000	-99.000	-98
1. 2897.	.230	1.449	1
1. 2927.	.300	1.890	1
1. 2937.	-99.000	-99.000	-98
1. 2941.	1.290	8.127	8
1. 2947.	-99.000	-99.000	-98
1. 2959.	-99.000	-99.000	-98
1. 2964.	-99.000	-99.000	-98
1. 2984.	-99.000	-99.000	-98
1. 2999.	.180	1.134	1
1. 3039.	.220	1.386	1
1. 3064.	.210	1.323	1
1. 3085.	.320	2.016	2
1. 3090.	-99.000	-99.000	-98
1. 3100.	-99.000	-99.000	-98
1. 3181.	-99.000	-99.000	-98
1. 3135.	-99.000	-99.000	-98
1. 3140.	-99.000	-99.000	-98
1. 3145.	-99.000	-99.000	-98
1. 3150.	-99.000	-99.000	-98
1. 3155.	-99.000	-99.000	-98
1. 3165.	-99.000	-99.000	-98
1. 3175.	.240	1.512	1
1. 3180.	-99.000	-99.000	-98
1. 3190.	.810	5.103	5
1. 3218.	-99.000	-99.000	-98
1. 3228.	.130	.819	0
1. 3229.	-99.000	-99.000	-98
1. 3243.	.810	5.103	5
1. 3248.	-99.000	-99.000	-98
1. 3268.	-99.000	-99.000	-98
1. 3276.	-99.000	-99.000	-98
1. 3290.	-99.000	-99.000	-98
1. 3310.	-99.000	-99.000	-98
1. 3316.	.540	3.402	3
1. 3326.	-99.000	-99.000	-98
1. 3341.	10.000	63.000	63
1. 3346.	-99.000	-99.000	-98
1. 3366.	-99.000	-99.000	-98
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	.200	1.260	1
1. 3426.	.820	5.166	5
1. 3467.	5.160	32.508	32
1. 3482.	6.770	42.651	42
1. 3583.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3543.	.080	.504	0
1. 3553.	-99.000	-99.000	-98
1. 3573.	.720	4.536	4
1. 3578.	-99.000	-99.000	-98
1. 3588.	-99.000	-99.000	-98
1. 3593.	.180	1.134	1
1. 3606.	-99.000	-99.000	-98
1. 3631.	.450	2.835	2
1. 3636.	-99.000	-99.000	-98
1. 3651.	.530	3.339	3
1. 3701.	.370	2.331	2
1. 3724.	-99.000	-99.000	-98
1. 3748.	.090	.567	0
1. 3773.	-99.000	-99.000	-98
1. 3782.	6.770	42.651	42
1. 3792.	-99.000	-99.000	-98
1. 3797.	-99.000	-99.000	-98
1. 3807.	.310	1.953	1
1. 3818.	-99.000	-99.000	-98
1. 3849.	-99.000	-99.000	-98
1. 3859.	.310	1.953	1
1. 3860.	6.290	39.627	39
1. 3869.	.500	3.150	3
1. 3874.	-99.000	-99.000	-98
1. 3888.	-99.000	-99.000	-98
1. 3908.	-99.000	-99.000	-98
1. 3925.	-99.000	-99.000	-98
1. 3939.	-99.000	-99.000	-98
1. 3998.	.100	.630	0
1. 4045.	.450	2.835	2
2. 2655.	0.000	0.000	0
2. 2710.	0.000	0.000	0
2. 2761.	0.000	0.000	0
2. 3000.	.200	1.260	1
2. 3025.	.170	1.071	1
2. 3050.	0.000	0.000	0
2. 3101.	.340	2.142	2
2. 3303.	.210	1.323	1
2. 3328.	.160	1.008	1
2. 3378.	.760	4.788	4
2. 3428.	.470	2.961	2
2. 3478.	.120	.756	0
2. 3528.	.780	4.914	4
2. 3896.	.480	3.024	3

SAMPLE ID	X	TRANS	INT
2. 3922.	.990	6.237	6
2. 3961.	.440	2.772	2
2. 3971.	.330	2.079	2
3. 2434.	-99.000	-99.000	-98
3. 2444.	-99.000	-99.000	-98
3. 2454.	-99.000	-99.000	-98
3. 2463.	-99.000	-99.000	-98
3. 2464.	-99.000	-99.000	-98
3. 2474.	.160	1.008	1
3. 2494.	-99.000	-99.000	-98
3. 2504.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2514.	-99.000	-99.000	-98
3. 2524.	-99.000	-99.000	-98
3. 2534.	-99.000	-99.000	-98
3. 2545.	-99.000	-99.000	-98
3. 2555.	-99.000	-99.000	-98
3. 2565.	-99.000	-99.000	-98
3. 2565.	-99.000	-99.000	-98
3. 2575.	-99.000	-99.000	-98
3. 2586.	-99.000	-99.000	-98
3. 2588.	-99.000	-99.000	-98
3. 2595.	-99.000	-99.000	-98
3. 2607.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
3. 2617.	-99.000	-99.000	-98
3. 2637.	-99.000	-99.000	-98
3. 2646.	-99.000	-99.000	-98
3. 2656.	-99.000	-99.000	-98
3. 2666.	.030	.189	0
3. 2666.	.180	1.134	1
3. 2676.	-99.000	-99.000	-98
3. 2686.	.150	.945	0
3. 2686.	-99.000	-99.000	-98
3. 2696.	-99.000	-99.000	-98
3. 2705.	.170	1.071	1
3. 2715.	-99.000	-99.000	-98
3. 2725.	.130	.819	0
3. 2725.	-99.000	-99.000	-98
3. 2735.	.080	.504	0
3. 2745.	.180	1.134	1
3. 2755.	-99.000	-99.000	-98
3. 2763.	-99.000	-99.000	-98
3. 2773.	.250	1.575	1
3. 2784.	.170	1.071	1
3. 2784.	1.250	7.875	7
3. 2793.	-99.000	-99.000	-98
3. 2802.	-99.000	-99.000	-98
3. 2814.	-99.000	-99.000	-98
3. 2822.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 2830.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2842.	-99.000	-99.000	-98
3. 2852.	.090	.567	0
3. 2862.	.620	3.906	3
3. 2872.	-99.000	-99.000	-98
3. 2881.	-99.000	-99.000	-98
3. 2891.	-99.000	-99.000	-98
3. 2901.	.190	1.197	1
3. 2901.	-99.000	-99.000	-98
3. 2911.	.020	.126	0
3. 2921.	-99.000	-99.000	-98
3. 2931.	.360	2.268	2
3. 2940.	.970	6.111	6
3. 2950.	.330	2.079	2
3. 2960.	.440	2.772	2
3. 2960.	.310	1.953	1
3. 2970.	1.090	6.867	6
3. 2980.	.200	1.260	1
3. 2990.	1.280	8.064	8
3. 2999.	.230	1.449	1
3. 3009.	1.030	6.489	6
3. 3019.	.470	2.961	2
3. 3019.	.450	2.835	2
3. 3029.	-99.000	-99.000	-98
3. 3038.	3.130	19.719	19
3. 3049.	.810	5.103	5
3. 3054.	-99.000	-99.000	-98
3. 3069.	.490	3.087	3
3. 3069.	.260	1.638	1
3. 3079.	.630	3.969	3
3. 3089.	1.460	9.198	9
3. 3099.	-99.000	-99.000	-98
3. 3107.	-99.000	-99.000	-98
3. 3117.	-99.000	-99.000	-98
3. 3127.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3146.	.070	.441	0
3. 3157.	.140	.882	0
3. 3166.	-99.000	-99.000	-98
3. 3176.	-99.000	-99.000	-98
3. 3186.	.060	.378	0
3. 3186.	.060	.378	0
3. 3196.	-99.000	-99.000	-98
3. 3196.	-99.000	-99.000	-98
3. 3206.	.010	.063	0
3. 3216.	.230	1.449	1
3. 3224.	.310	1.953	1
3. 3234.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 3244.	-99.000	-99.000	-98
3. 3244.	-99.000	-99.000	-98
3. 3254.	.020	.126	0
3. 3264.	.170	1.071	1
3. 3274.	.080	.504	0
3. 3284.	.130	.819	0
3. 3294.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3310.	-99.000	-99.000	-98
3. 3315.	.120	.756	0
3. 3325.	.370	2.331	2
3. 3335.	.160	1.008	1
3. 3345.	.080	.504	0
3. 3345.	.110	.693	0
3. 3355.	.350	2.205	2
3. 3365.	.440	2.772	2
3. 3375.	.460	2.898	2
3. 3384.	.220	1.386	1
3. 3394.	.310	1.953	1
3. 3404.	.210	1.323	1
3. 3404.	-99.000	-99.000	-98
4. 4872.	-99.000	-99.000	-98
4. 4882.	-99.000	-99.000	-98
4. 4892.	-99.000	-99.000	-98
4. 4902.	-99.000	-99.000	-98
4. 4912.	-99.000	-99.000	-98
4. 4922.	-99.000	-99.000	-98
4. 4930.	-99.000	-99.000	-98
4. 4940.	-99.000	-99.000	-98
4. 4950.	-99.000	-99.000	-98
4. 4960.	-99.000	-99.000	-98
4. 4970.	-99.000	-99.000	-98
4. 4980.	-99.000	-99.000	-98
4. 5212.	-99.000	-99.000	-98
4. 5222.	-99.000	-99.000	-98
4. 5232.	-99.000	-99.000	-98
4. 5242.	-99.000	-99.000	-98
4. 5253.	-99.000	-99.000	-98
4. 5263.	-99.000	-99.000	-98
4. 5273.	-99.000	-99.000	-98
4. 5283.	-99.000	-99.000	-98
4. 5293.	-99.000	-99.000	-98
4. 5303.	-99.000	-99.000	-98
4. 5312.	-99.000	-99.000	-98
4. 5322.	-99.000	-99.000	-98
4. 5332.	-99.000	-99.000	-98
4. 5342.	-99.000	-99.000	-98
4. 5347.	-99.000	-99.000	-98
4. 5357.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
4. 5362.	-99.000	-99.000	-98
4. 5372.	-99.000	-99.000	-98
4. 5382.	-99.000	-99.000	-98
4. 5394.	-99.000	-99.000	-98
4. 5404.	-99.000	-99.000	-98
4. 5414.	-99.000	-99.000	-98
4. 5424.	-99.000	-99.000	-98
4. 5434.	-99.000	-99.000	-98
4. 5444.	-99.000	-99.000	-98
4. 5447.	-99.000	-99.000	-98
4. 5457.	-99.000	-99.000	-98
4. 5467.	-99.000	-99.000	-98
5. 321.	-99.000	-99.000	-98
5. 331.	-99.000	-99.000	-98
5. 341.	-99.000	-99.000	-98
5. 344.	.020	.126	0
5. 354.	.030	.189	0
5. 365.	.040	.252	0
5. 372.	.080	.504	0
5. 382.	.060	.378	0
5. 392.	.100	.630	0
5. 401.	.090	.567	0
5. 411.	.080	.504	0
5. 421.	.560	3.528	3
5. 431.	.140	.882	0
5. 441.	.100	.630	0
5. 451.	.200	1.260	1
5. 458.	.150	.945	0
5. 468.	.060	.378	0
5. 478.	-99.000	-99.000	-98
5. 485.	.120	.756	0
5. 495.	.040	.252	0
5. 505.	.160	1.008	1
5. 515.	.080	.504	0
5. 525.	.220	1.386	1
5. 537.	.100	.630	0
5. 547.	.140	.882	0
5. 557.	.220	1.386	1
5. 564.	.040	.252	0
5. 574.	.080	.504	0
5. 584.	-99.000	-99.000	-98
5. 592.	.020	.126	0
5. 602.	-99.000	-99.000	-98
6. 927.	-99.000	-99.000	-98
6. 937.	-99.000	-99.000	-98
6. 947.	-99.000	-99.000	-98
6. 951.	-99.000	-99.000	-98
6. 961.	-99.000	-99.000	-98
6. 971.	-99.000	-99.000	-98
6. 980.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
6. 990.	-99.000	-99.000	-98
6. 1000.	-99.000	-99.000	-98
6. 1010.	-99.000	-99.000	-98
6. 1020.	.080	.504	0
6. 1030.	.110	.693	0
6. 1040.	-99.000	-99.000	-98
6. 1050.	.100	.630	0
6. 1060.	-99.000	-99.000	-98
6. 1070.	.080	.504	0
6. 1080.	.140	.882	0
6. 1090.	.050	.315	0
6. 1100.	-99.000	-99.000	-98
6. 1110.	-99.000	-99.000	-98
6. 1120.	-99.000	-99.000	-98
6. 1130.	-99.000	-99.000	-98
6. 1140.	-99.000	-99.000	-98
7. 2183.	0.000	0.000	0
7. 2191.	0.000	0.000	0
7. 2220.	.020	.126	0
7. 2230.	.020	.126	0
7. 2239.	-99.000	-99.000	-98
7. 2251.	-99.000	-99.000	-98
7. 2259.	0.000	0.000	0
7. 2271.	0.000	0.000	0
7. 2281.	-99.000	-99.000	-98
7. 2290.	-99.000	-99.000	-98
7. 2300.	-99.000	-99.000	-98
7. 2310.	0.000	0.000	0
7. 2319.	-99.000	-99.000	-98
8. 2495.	.630	3.969	3
8. 2505.	0.000	0.000	0
8. 2515.	0.000	0.000	0
8. 2528.	0.000	0.000	0
8. 2536.	0.000	0.000	0
8. 2547.	0.000	0.000	0
8. 2554.	.030	.189	0
8. 2565.	.290	1.827	1
8. 2575.	0.000	0.000	0
8. 2585.	0.000	0.000	0
8. 2595.	.300	1.890	1
9. 3494.	.520	3.276	3
9. 3506.	.450	2.835	2
9. 3516.	.460	2.898	2
9. 3526.	.450	2.835	2
9. 3536.	.290	1.827	1
9. 3545.	.320	2.016	2
9. 3555.	.530	3.339	3
9. 3564.	.460	2.898	2
9. 3575.	.330	2.079	2
9. 3585.	.470	2.961	2

SAMPLE ID	X	TRANS	INT
9. 3593.	.390	2.457	2
9. 3605.	.550	3.465	3
9. 3606.	.500	3.150	3
9. 3606.	.300	1.890	1
9. 3616.	.230	1.449	1
9. 3626.	.200	1.260	1
9. 3634.	.190	1.197	1
9. 3644.	.270	1.701	1
9. 3644.	.160	1.008	1
9. 3665.	.360	2.268	2
9. 3675.	.740	4.662	4
9. 3685.	.430	2.709	2
9. 3695.	.260	1.638	1
9. 3705.	.180	1.134	1
9. 3711.	.170	1.071	1
10. 2700.	.060	.378	0
10. 2710.	.010	.063	0
10. 2720.	.050	.315	0
10. 2730.	.030	.189	0
10. 2740.	.060	.378	0
10. 2750.	.050	.315	0
10. 2753.	.030	.189	0
10. 2763.	-99.000	-99.000	-98
10. 2773.	.070	.441	0
10. 2783.	.030	.189	0
10. 2793.	.050	.315	0
10. 2803.	.040	.252	0
10. 2811.	0.000	0.000	0
10. 2821.	.820	5.166	5
10. 2841.	0.000	0.000	0
10. 2851.	0.000	0.000	0
10. 2861.	.040	.252	0
10. 2869.	-99.000	-99.000	-98
10. 2879.	0.000	0.000	0
10. 2889.	.040	.252	0
10. 2899.	0.000	0.000	0
10. 2909.	0.000	0.000	0
10. 2919.	.040	.252	0
10. 2927.	.160	1.008	1
10. 2937.	.100	.630	0
10. 2947.	.090	.567	0
10. 2957.	.150	.945	0
10. 2967.	-99.000	-99.000	-98
10. 2977.	.130	.819	0
10. 2985.	.090	.567	0
10. 2995.	.550	3.465	3
10. 3005.	.150	.945	0
10. 3015.	0.000	0.000	0
10. 3025.	.070	.441	0

SAMPLE ID	X	TRANS	INT
10. 3035.	.080	.504	0
10. 3044.	0.000	0.000	0
10. 3054.	0.000	0.000	0
10. 3064.	0.000	0.000	0
10. 3074.	-99.000	-99.000	-98
10. 3084.	.040	.252	0
10. 3094.	0.000	0.000	0
10. 3102.	0.000	0.000	0
10. 3112.	0.000	0.000	0
10. 3122.	.110	.693	0
10. 3132.	0.000	0.000	0
10. 3144.	-99.000	-99.000	-98
10. 3152.	.360	2.268	2
10. 3161.	0.000	0.000	0
10. 3171.	-99.000	-99.000	-98
10. 3181.	.020	.126	0
10. 3191.	.030	.189	0
10. 3201.	0.000	0.000	0
10. 3211.	0.000	0.000	0
10. 3220.	.120	.756	0
10. 3230.	0.000	0.000	0
10. 3240.	.140	.882	0
10. 3253.	.270	1.701	1
10. 3262.	.140	.882	0
10. 3272.	.140	.882	0
10. 3282.	.340	2.142	2
10. 3292.	.240	1.512	1
10. 3302.	-99.000	-99.000	-98
10. 3311.	.300	1.890	1
10. 3321.	.300	1.890	1
10. 3331.	.420	2.646	2
10. 3341.	-99.000	-99.000	-98
10. 3351.	.070	.441	0
10. 3361.	.310	1.953	1
10. 3369.	.200	1.260	1
10. 3380.	.320	2.016	2
10. 3389.	-99.000	-99.000	-98
11. 3012.	-99.000	-99.000	-98
11. 3022.	.080	.504	0
11. 3043.	.020	.126	0
11. 3051.	-99.000	-99.000	-98
11. 3056.	.040	.252	0
11. 3063.	.160	1.008	1
11. 3067.	-99.000	-99.000	-98
11. 3074.	-99.000	-99.000	-98
11. 3080.	.150	.945	0
11. 3080.	-99.000	-99.000	-98
11. 3086.	.300	1.890	1
11. 3094.	-99.000	-99.000	-98
11. 3099.	-99.000	-99.000	-98
11. 3106.	-99.000	-99.000	-98

VARIABLE% NITROGEN MAX% 97.660 MIN% 1.400 F% .654

SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	63.280	40.499	40
1. 2782.	73.300	47.057	47
1. 2787.	61.950	39.629	39
1. 2797.	84.200	54.191	54
1. 2802.	83.200	53.536	53
1. 2827.	77.790	49.996	50
1. 2832.	50.340	32.030	32
1. 2837.	74.300	47.711	47
1. 2842.	77.800	50.002	50
1. 2852.	49.540	31.507	31
1. 2897.	75.520	48.510	48
1. 2927.	37.000	23.299	23
1. 2937.	-99.000	-99.000	-98
1. 2941.	48.550	30.859	30
1. 2947.	33.380	20.930	20
1. 2959.	76.960	49.452	49
1. 2964.	61.980	39.648	39
1. 2994.	70.336	45.113	45
1. 2999.	49.640	31.572	31
1. 3039.	82.580	53.130	53
1. 3064.	66.680	42.724	42
1. 3085.	58.730	37.521	37
1. 3090.	68.730	44.066	44
1. 3100.	75.500	48.497	48
1. 3181.	70.500	45.224	45
1. 3135.	72.590	46.592	46
1. 3140.	72.700	46.664	46
1. 3145.	34.400	21.598	21
1. 3150.	64.200	41.101	41
1. 3155.	82.400	53.013	53
1. 3165.	82.430	53.032	53
1. 3175.	56.370	35.977	35
1. 3180.	56.700	36.193	36
1. 3198.	35.000	21.990	21
1. 3218.	74.500	47.842	47
1. 3228.	77.560	49.845	49
1. 3229.	57.320	36.598	36
1. 3243.	55.850	35.636	35
1. 3248.	66.950	42.901	42
1. 3268.	55.700	35.530	35
1. 3276.	82.990	53.399	53
1. 3290.	76.250	48.988	48
1. 3310.	65.100	41.690	41
1. 3316.	75.990	48.817	48
1. 3326.	64.330	41.186	41
1. 3341.	22.590	13.868	13
1. 3346.	27.830	17.298	17
1. 3366.	50.500	32.135	32
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	59.400	37.960	37
1. 3426.	8.090	4.378	4
1. 3467.	55.540	35.433	35
1. 3482.	51.660	32.894	32
1. 3583.	3.880	1.623	1
1. 3588.	10.200	5.759	5
1. 3543.	56.830	36.278	36
1. 3553.	4.530	2.049	2
1. 3573.	9.770	5.478	5
1. 3578.	18.790	11.381	11
1. 3588.	72.190	46.330	46
1. 3593.	47.000	29.844	29
1. 3606.	6.760	3.508	3
1. 3631.	1.400	0.000	0
1. 3636.	3.190	1.172	1
1. 3651.	10.850	6.185	6
1. 3701.	12.170	7.049	7
1. 3724.	-99.000	-99.000	-98
1. 3748.	31.910	19.968	19
1. 3773.	56.970	36.369	36
1. 3782.	58.620	37.449	37
1. 3792.	82.460	53.052	53
1. 3797.	78.220	50.277	50
1. 3807.	31.200	19.503	19
1. 3818.	83.050	53.438	53
1. 3849.	81.270	52.273	52
1. 3859.	30.350	18.947	18
1. 3860.	59.090	37.757	37
1. 3869.	6.250	3.174	3
1. 3874.	68.690	44.040	44
1. 3888.	65.110	41.697	41
1. 3908.	37.800	23.823	23
1. 3925.	21.760	13.325	13
1. 3939.	50.030	31.827	31
1. 3998.	34.680	21.781	21
1. 4045.	2.730	.870	0
2. 2655.	85.330	54.930	54
2. 2710.	82.600	53.144	53
2. 2761.	81.150	52.195	52
2. 3000.	64.570	41.343	41
2. 3025.	63.720	40.787	40
2. 3050.	67.860	43.497	43
2. 3101.	54.700	34.884	34
2. 3303.	68.500	43.915	43
2. 3328.	58.950	37.665	37
2. 3378.	12.670	7.376	7
2. 3428.	32.170	20.138	20
2. 3478.	69.990	44.891	44
2. 3528.	11.050	6.316	6
2. 3896.	26.980	16.742	16

SAMPLE ID	X	TRANS	INT
2. 3922.	13.640	8.011	8
2. 3961.	3.690	1.499	1
2. 3971.	7.380	3.914	3
3. 2434.	47.260	30.014	30
3. 2444.	53.420	34.046	34
3. 2454.	60.210	38.490	38
3. 2463.	77.060	49.518	49
3. 2464.	55.290	35.270	35
3. 2474.	52.490	33.437	33
3. 2494.	61.230	39.157	39
3. 2504.	57.840	36.939	36
3. 2514.	71.720	46.023	46
3. 2514.	77.970	50.113	50
3. 2524.	79.600	51.180	51
3. 2534.	79.300	50.984	50
3. 2545.	80.020	51.455	51
3. 2555.	77.660	49.910	49
3. 2565.	70.070	44.943	44
3. 2565.	78.180	50.251	50
3. 2575.	77.060	49.518	49
3. 2586.	79.210	50.925	50
3. 2588.	77.870	50.048	50
3. 2595.	79.000	50.787	50
3. 2607.	77.200	49.609	49
3. 2617.	-99.000	-99.000	-98
3. 2617.	77.240	49.636	49
3. 2637.	78.390	50.388	50
3. 2646.	77.410	49.747	49
3. 2656.	67.560	43.300	43
3. 2666.	63.070	40.362	40
3. 2666.	79.780	51.298	51
3. 2676.	70.190	45.022	45
3. 2686.	68.930	44.197	44
3. 2686.	71.470	45.859	45
3. 2696.	71.500	45.879	45
3. 2705.	71.670	45.990	45
3. 2715.	77.520	49.819	49
3. 2725.	75.090	48.228	48
3. 2725.	78.450	50.427	50
3. 2735.	74.390	47.770	47
3. 2745.	72.330	46.422	46
3. 2755.	77.180	49.596	49
3. 2763.	79.120	50.866	50
3. 2773.	76.080	48.876	48
3. 2784.	75.090	48.228	48
3. 2784.	73.320	47.070	47
3. 2793.	78.390	50.388	50
3. 2802.	77.630	49.891	49
3. 2814.	78.220	50.277	50
3. 2822.	79.610	51.187	51

SAMPLE ID	X	TRANS	INT
3. 2830.	75.990	48.817	48
3. 2842.	77.160	49.583	49
3. 2842.	77.480	49.793	49
3. 2852.	78.100	50.198	50
3. 2862.	65.590	42.011	42
3. 2872.	74.760	48.012	48
3. 2881.	68.500	43.915	43
3. 2891.	77.710	49.943	49
3. 2901.	72.340	46.429	46
3. 2901.	78.500	50.460	50
3. 2911.	69.870	44.812	44
3. 2921.	73.630	47.273	47
3. 2931.	73.590	47.247	47
3. 2940.	49.790	31.670	31
3. 2950.	75.750	48.660	48
3. 2960.	48.410	30.767	30
3. 2960.	52.920	33.719	33
3. 2970.	54.450	34.720	34
3. 2980.	74.370	47.757	47
3. 2990.	57.380	36.638	36
3. 2999.	76.580	49.204	49
3. 3009.	57.070	36.435	36
3. 3019.	72.970	46.841	46
3. 3019.	77.010	49.485	49
3. 3029.	76.780	49.335	49
3. 3038.	59.120	37.776	37
3. 3049.	28.000	17.409	17
3. 3054.	39.600	25.001	25
3. 3069.	41.970	26.552	26
3. 3069.	54.610	34.825	34
3. 3079.	27.200	16.886	16
3. 3089.	51.850	33.018	33
3. 3099.	33.240	20.839	20
3. 3107.	60.480	38.667	38
3. 3117.	77.810	50.009	50
3. 3127.	78.480	50.447	50
3. 3137.	74.900	48.104	48
3. 3137.	78.820	50.670	50
3. 3146.	79.430	51.069	51
3. 3157.	73.290	47.050	47
3. 3166.	78.440	50.421	50
3. 3176.	81.240	52.253	52
3. 3186.	71.980	46.193	46
3. 3186.	78.300	50.329	50
3. 3196.	79.350	51.017	51
3. 3196.	74.680	47.960	47
3. 3206.	82.540	53.104	53
3. 3216.	76.050	48.857	48
3. 3224.	53.660	34.203	34
3. 3234.	80.090	51.501	51

SAMPLE ID	X	TRANS	INT
3. 3244.	79.200	50.918	50
3. 3244.	78.740	50.617	50
3. 3254.	74.210	47.653	47
3. 3264.	64.620	41.376	41
3. 3274.	78.270	50.310	50
3. 3284.	80.910	52.038	52
3. 3294.	80.700	51.900	51
3. 3304.	86.050	55.402	55
3. 3304.	89.260	57.502	57
3. 3310.	-99.000	-99.000	-98
3. 3315.	74.190	47.639	47
3. 3325.	60.390	38.608	38
3. 3335.	74.030	47.535	47
3. 3345.	79.700	51.246	51
3. 3345.	76.950	49.446	49
3. 3355.	61.870	39.576	39
3. 3365.	52.490	33.437	33
3. 3375.	39.030	24.628	24
3. 3384.	61.810	39.537	39
3. 3394.	39.520	24.949	24
3. 3404.	62.510	39.995	40
3. 3404.	79.320	50.997	51
4. 4872.	26.550	16.460	16
4. 4882.	27.200	16.886	16
4. 4892.	25.100	15.511	15
4. 4902.	26.100	16.166	16
4. 4912.	25.100	15.511	15
4. 4922.	31.300	19.569	19
4. 4930.	37.300	23.496	23
4. 4940.	35.220	22.134	22
4. 4950.	44.600	28.273	28
4. 4960.	47.300	30.041	30
4. 4970.	76.790	49.341	49
4. 4980.	63.500	40.643	40
4. 5212.	53.240	33.928	33
4. 5222.	52.280	33.300	33
4. 5232.	29.020	18.077	18
4. 5242.	34.200	21.467	21
4. 5253.	34.280	21.519	21
4. 5263.	35.450	22.285	22
4. 5273.	30.800	19.242	19
4. 5283.	20.810	12.703	12
4. 5293.	17.220	10.354	10
4. 5303.	16.700	10.014	10
4. 5312.	42.620	26.978	26
4. 5322.	31.100	19.438	19
4. 5332.	63.600	40.708	40
4. 5342.	19.800	12.042	12
4. 5347.	32.800	20.551	20
4. 5357.	21.300	13.024	13

SAMPLE ID	X	TRANS	INT
4. 5362.	16.700	10.014	10
4. 5372.	11.300	6.479	6
4. 5382.	23.100	14.202	14
4. 5394.	53.190	33.895	33
4. 5404.	36.550	23.005	23
4. 5414.	26.470	16.408	16
4. 5424.	21.550	13.188	13
4. 5434.	34.500	21.663	21
4. 5444.	18.800	11.388	11
4. 5447.	23.400	14.399	14
4. 5457.	32.000	20.027	20
4. 5467.	11.100	6.348	6
5. 321.	93.370	60.192	60
5. 331.	97.330	62.784	62
5. 341.	96.180	62.031	62
5. 344.	97.660	63.000	63
5. 354.	97.620	62.974	62
5. 365.	96.840	62.463	62
5. 372.	96.910	62.509	62
5. 382.	95.480	61.573	61
5. 392.	97.400	62.930	62
5. 401.	96.390	62.169	62
5. 411.	93.020	59.963	59
5. 421.	92.850	59.852	59
5. 431.	95.340	61.482	61
5. 441.	95.700	61.717	61
5. 451.	93.140	60.042	60
5. 458.	93.710	60.415	60
5. 468.	87.160	56.128	56
5. 478.	-99.000	-99.000	-98
5. 485.	95.230	61.410	61
5. 495.	91.370	58.883	58
5. 505.	92.090	59.355	59
5. 515.	96.420	62.188	62
5. 525.	94.470	60.912	60
5. 537.	94.640	61.023	61
5. 547.	92.160	59.400	59
5. 557.	94.240	60.762	60
5. 564.	92.730	59.773	59
5. 574.	90.780	58.497	58
5. 584.	87.910	56.619	56
5. 592.	92.160	59.400	59
5. 602.	94.620	61.010	61
6. 927.	96.900	62.503	62
6. 937.	96.300	62.110	62
6. 947.	94.900	61.194	61
6. 951.	95.790	61.776	61
6. 961.	95.500	61.586	61
6. 971.	96.000	61.914	61
6. 980.	92.500	59.623	59

SAMPLE ID	X	TRANS	INT
6. 990.	93.700	60.408	60
6. 1000.	91.000	58.641	58
6. 1010.	94.600	60.997	61
6. 1020.	95.700	61.717	61
6. 1030.	95.300	61.455	61
6. 1040.	94.600	60.997	61
6. 1050.	94.900	61.194	61
6. 1060.	89.600	57.725	57
6. 1070.	93.300	60.146	60
6. 1080.	92.600	59.688	59
6. 1090.	89.200	57.463	57
6. 1100.	85.400	54.976	54
6. 1110.	86.300	55.565	55
6. 1120.	93.500	60.277	60
6. 1130.	90.300	58.183	58
6. 1140.	86.500	55.696	55
7. 2183.	11.010	6.290	6
7. 2191.	24.770	15.295	15
7. 2220.	52.990	33.764	33
7. 2230.	61.040	39.033	39
7. 2239.	34.880	21.912	21
7. 2251.	64.000	40.970	40
7. 2259.	24.160	14.896	14
7. 2271.	40.880	25.839	25
7. 2281.	34.190	21.460	21
7. 2290.	48.300	30.695	30
7. 2300.	48.410	30.767	30
7. 2310.	45.210	28.673	28
7. 2319.	24.120	14.870	14
8. 2495.	65.870	42.194	42
8. 2505.	21.060	12.867	12
8. 2515.	29.950	18.685	18
8. 2528.	28.140	17.501	17
8. 2536.	31.290	19.562	19
8. 2547.	27.720	17.226	17
8. 2554.	27.230	16.905	16
8. 2565.	35.620	22.396	22
8. 2575.	27.330	16.971	16
8. 2585.	40.400	25.525	25
8. 2595.	26.630	16.545	16
9. 3494.	47.920	30.446	30
9. 3506.	5.810	2.886	2
9. 3516.	14.490	8.567	8
9. 3526.	8.560	4.686	4
9. 3536.	50.300	32.004	32
9. 3545.	42.630	26.984	26
9. 3555.	22.490	13.803	13
9. 3564.	8.380	4.560	4
9. 3575.	15.800	9.424	9
9. 3585.	45.930	29.144	29

SAMPLE ID	X	TRANS	INT
9. 3593.	46.530	29.537	29
9. 3605.	12.750	7.428	7
9. 3606.	24.040	14.817	14
9. 3606.	55.130	35.165	35
9. 3616.	45.900	29.124	29
9. 3626.	38.000	23.954	23
9. 3634.	32.970	20.662	20
9. 3644.	51.370	32.704	32
9. 3644.	69.690	44.694	44
9. 3665.	15.850	9.457	9
9. 3675.	8.830	4.863	4
9. 3685.	20.250	12.337	12
9. 3695.	32.560	20.394	20
9. 3705.	50.830	32.351	32
9. 3711.	68.060	43.627	43
10. 2700.	71.540	45.905	45
10. 2710.	73.980	47.502	47
10. 2720.	69.270	44.419	44
10. 2730.	75.000	48.170	48
10. 2740.	70.210	45.035	45
10. 2750.	72.740	46.690	46
10. 2753.	73.510	47.194	47
10. 2763.	-99.000	-99.000	-98
10. 2773.	73.290	47.050	47
10. 2783.	76.180	48.942	48
10. 2793.	74.160	47.620	47
10. 2803.	70.900	45.486	45
10. 2811.	61.560	39.373	39
10. 2821.	57.640	36.808	36
10. 2841.	64.700	41.428	41
10. 2851.	73.900	47.450	47
10. 2861.	71.690	46.003	46
10. 2869.	-99.000	-99.000	-98
10. 2879.	75.830	48.713	48
10. 2889.	69.420	44.518	44
10. 2899.	67.920	43.536	43
10. 2909.	65.980	42.266	42
10. 2919.	66.200	42.410	42
10. 2927.	58.600	37.436	37
10. 2937.	61.700	39.465	39
10. 2947.	54.200	34.556	34
10. 2957.	53.800	34.295	34
10. 2967.	-99.000	-99.000	-98
10. 2977.	55.700	35.538	35
10. 2985.	68.600	43.981	43
10. 2995.	57.700	36.847	36
10. 3005.	56.000	35.734	35
10. 3015.	67.400	43.196	43
10. 3025.	59.100	37.763	37

SAMPLE ID		X	TRANS	INT
10.	3035.	62.900	40.250	40
10.	3044.	78.200	50.264	50
10.	3054.	77.400	49.740	49
10.	3064.	78.500	50.460	50
10.	3074.	-99.000	-99.000	-98
10.	3084.	70.100	44.963	44
10.	3094.	77.800	50.002	50
10.	3102.	79.300	50.984	50
10.	3112.	77.100	49.544	49
10.	3122.	58.300	37.240	37
10.	3132.	78.200	50.264	50
10.	3144.	-99.000	-99.000	-98
10.	3152.	40.300	25.459	25
10.	3161.	78.100	50.198	50
10.	3171.	-99.000	-99.000	-98
10.	3181.	84.800	54.583	54
10.	3191.	69.300	44.439	44
10.	3201.	78.800	50.657	50
10.	3211.	77.700	49.937	49
10.	3220.	85.750	55.205	55
10.	3230.	84.100	54.125	54
10.	3240.	78.100	50.198	50
10.	3253.	76.830	49.367	49
10.	3262.	70.200	45.028	45
10.	3272.	63.700	40.774	40
10.	3282.	62.200	39.792	39
10.	3292.	68.100	43.654	43
10.	3302.	-99.000	-99.000	-98
10.	3311.	40.900	25.852	25
10.	3321.	42.040	26.598	26
10.	3331.	31.800	19.896	19
10.	3341.	-99.000	-99.000	-98
10.	3351.	46.600	29.582	29
10.	3361.	55.500	35.407	35
10.	3369.	46.400	29.451	29
10.	3380.	44.200	28.012	28
10.	3389.	-99.000	-99.000	-98
11.	3012.	79.010	50.794	50
11.	3022.	71.610	45.951	45
11.	3043.	76.880	49.400	49
11.	3051.	77.480	49.793	49
11.	3056.	73.770	47.365	47
11.	3063.	70.960	45.525	45
11.	3067.	74.900	48.104	48
11.	3074.	68.340	43.811	43
11.	3080.	74.940	48.130	48
11.	3080.	69.040	44.269	44
11.	3086.	56.910	36.330	36
11.	3094.	77.250	49.642	49
11.	3099.	69.600	44.635	44
11.	3106.	78.950	50.755	50

VARIABLE% OXYGEN MAX% 22.360 MIN% 0.000 F% 2.811

SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	.870	2.451	2
1. 2782.	1.040	2.930	2
1. 2787.	.870	2.451	2
1. 2797.	1.170	3.297	3
1. 2802.	1.260	3.550	3
1. 2827.	1.060	2.987	2
1. 2832.	.770	2.169	2
1. 2837.	1.020	2.874	2
1. 2842.	3.360	9.467	9
1. 2852.	.690	1.944	1
1. 2897.	6.000	16.905	16
1. 2927.	3.300	9.298	9
1. 2937.	-99.000	-99.000	-98
1. 2941.	.680	1.916	1
1. 2947.	.470	1.324	1
1. 2959.	16.750	47.194	47
1. 2964.	.860	2.423	2
1. 2994.	7.210	20.314	20
1. 2999.	.900	2.536	2
1. 3039.	3.290	9.270	9
1. 3064.	1.140	3.212	3
1. 3085.	2.160	6.086	6
1. 3090.	2.660	7.495	7
1. 3100.	1.520	4.283	4
1. 3181.	1.830	5.156	5
1. 3135.	2.180	6.142	6
1. 3140.	.980	2.761	2
1. 3145.	.470	1.324	1
1. 3150.	1.210	3.409	3
1. 3155.	6.830	19.244	19
1. 3165.	1.530	4.311	4
1. 3175.	.710	2.000	2
1. 3180.	.830	2.339	2
1. 3198.	.430	1.212	1
1. 3218.	1.060	2.987	2
1. 3228.	1.110	3.127	3
1. 3229.	.800	2.254	2
1. 3243.	.910	2.564	2
1. 3248.	1.150	3.240	3
1. 3268.	.770	2.169	2
1. 3276.	6.450	18.173	18
1. 3290.	3.150	8.975	8
1. 3310.	.880	2.479	2
1. 3316.	5.470	15.412	15
1. 3326.	.870	2.451	2
1. 3341.	.310	.873	0
1. 3346.	.480	1.352	1
1. 3366.	.920	2.592	2
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	1.200	3.381	3
1. 3426.	1.330	3.747	3
1. 3467.	.750	2.113	2
1. 3482.	3.060	8.622	8
1. 3583.	.060	.169	0
1. 3588.	.140	.394	0
1. 3543.	.760	2.141	2
1. 3553.	.180	.507	0
1. 3573.	.200	.564	0
1. 3578.	.350	.986	0
1. 3588.	13.180	37.135	37
1. 3593.	1.400	3.945	3
1. 3606.	.080	.225	0
1. 3631.	.070	.197	0
1. 3636.	.050	.141	0
1. 3651.	0.000	0.000	0
1. 3701.	1.970	5.551	5
1. 3724.	-99.000	-99.000	-98
1. 3748.	.450	1.268	1
1. 3773.	.780	2.198	2
1. 3782.	.780	2.198	2
1. 3792.	6.140	17.300	17
1. 3797.	19.590	55.195	55
1. 3807.	.410	1.155	1
1. 3818.	1.290	3.635	3
1. 3849.	7.940	22.371	22
1. 3859.	.410	1.155	1
1. 3860.	.770	2.169	2
1. 3869.	.370	1.042	1
1. 3874.	9.540	26.879	26
1. 3888.	.890	2.508	2
1. 3908.	.530	1.493	1
1. 3925.	.320	.902	0
1. 3939.	.760	2.141	2
1. 3998.	.420	1.183	1
1. 4045.	.920	2.592	2
2. 2655.	1.950	5.494	5
2. 2710.	1.360	3.832	3
2. 2761.	1.370	3.860	3
2. 3000.	.830	2.339	2
2. 3025.	.720	2.029	2
2. 3050.	1.050	2.958	2
2. 3101.	.730	2.057	2
2. 3303.	.990	2.789	2
2. 3328.	2.600	7.326	7
2. 3378.	.350	.986	0
2. 3428.	.670	1.888	1
2. 3478.	7.120	20.061	20
2. 3528.	.980	2.761	2
2. 3896.	.460	1.296	1

SAMPLE ID	X	TRANS	INT
2. 3922.	.690	1.944	1
2. 3961.	.100	.282	0
2. 3971.	1.540	4.339	4
3. 2434.	3.680	10.369	10
3. 2444.	4.700	13.242	13
3. 2454.	7.240	20.399	20
3. 2463.	20.660	58.210	58
3. 2464.	3.470	9.777	9
3. 2474.	.740	2.085	2
3. 2494.	7.330	20.653	20
3. 2504.	6.410	18.060	18
3. 2514.	17.510	35.247	35
3. 2514.	21.940	61.817	61
3. 2524.	9.500	26.767	26
3. 2534.	16.570	46.686	46
3. 2545.	15.530	43.756	43
3. 2555.	21.130	59.534	59
3. 2565.	2.640	7.438	7
3. 2565.	17.230	48.546	48
3. 2575.	16.320	45.982	45
3. 2586.	18.670	52.603	52
3. 2588.	21.490	60.549	60
3. 2595.	19.290	54.350	54
3. 2607.	13.200	37.191	37
3. 2617.	-99.000	-99.000	-98
3. 2617.	22.360	63.000	63
3. 2637.	21.210	59.760	59
3. 2646.	21.760	61.309	61
3. 2656.	7.290	20.540	20
3. 2666.	7.660	21.582	21
3. 2666.	1.320	3.719	3
3. 2676.	13.320	37.530	37
3. 2686.	11.400	32.120	32
3. 2686.	16.900	47.616	47
3. 2696.	16.930	47.701	47
3. 2705.	15.420	43.446	43
3. 2715.	18.960	53.420	53
3. 2725.	18.650	52.547	52
3. 2725.	18.760	52.857	52
3. 2735.	18.680	52.631	52
3. 2745.	4.490	12.651	12
3. 2755.	20.330	57.280	57
3. 2763.	16.330	46.010	46
3. 2773.	17.360	48.912	48
3. 2784.	16.120	45.419	45
3. 2784.	15.510	43.700	43
3. 2793.	19.550	55.083	55
3. 2802.	17.540	49.419	49
3. 2814.	18.210	51.307	51
3. 2822.	15.760	44.404	44

SAMPLE ID	X	TRANS	INT
3. 2830.	21.860	61.591	61
3. 2842.	21.070	59.365	59
3. 2842.	19.600	55.224	55
3. 2852.	13.800	38.882	38
3. 2862.	5.090	14.341	14
3. 2872.	11.550	32.542	32
3. 2881.	3.840	10.819	10
3. 2891.	15.920	44.855	44
3. 2901.	8.420	23.724	23
3. 2901.	15.090	42.517	42
3. 2911.	10.830	30.514	30
3. 2921.	16.930	47.701	47
3. 2931.	10.900	30.711	30
3. 2940.	.780	2.198	2
3. 2950.	11.620	32.740	32
3. 2960.	3.210	9.044	9
3. 2960.	5.260	14.820	14
3. 2970.	4.430	12.482	12
3. 2980.	9.490	26.738	26
3. 2990.	6.190	17.441	17
3. 2999.	15.910	44.827	44
3. 3009.	3.370	9.495	9
3. 3019.	17.960	50.603	50
3. 3019.	14.840	41.812	41
3. 3029.	18.480	52.068	52
3. 3038.	10.650	30.007	30
3. 3049.	.470	1.324	1
3. 3054.	.530	1.493	1
3. 3069.	2.200	6.199	6
3. 3069.	4.980	14.031	14
3. 3079.	.400	1.127	1
3. 3089.	.850	2.395	2
3. 3099.	.430	1.212	1
3. 3107.	7.790	21.949	21
3. 3117.	20.300	57.196	57
3. 3127.	7.360	20.737	20
3. 3137.	11.780	33.191	33
3. 3137.	15.610	43.982	43
3. 3146.	1.170	3.297	3
3. 3157.	7.800	21.977	21
3. 3166.	19.150	53.956	53
3. 3176.	11.370	32.035	32
3. 3186.	9.890	27.865	27
3. 3186.	9.160	25.869	25
3. 3196.	18.980	53.477	53
3. 3196.	17.090	48.152	48
3. 3206.	13.520	38.093	38
3. 3216.	14.020	39.502	39
3. 3224.	.750	2.113	2
3. 3234.	15.690	44.207	44

SAMPLE ID	X	TRANS	INT
3. 3244.	14.540	40.967	40
3. 3244.	19.660	55.393	55
3. 3254.	10.640	29.979	29
3. 3264.	.910	2.564	2
3. 3274.	7.330	20.653	20
3. 3284.	5.860	16.511	16
3. 3294.	18.730	52.772	52
3. 3304.	6.020	16.962	16
3. 3304.	6.560	10.483	18
3. 3310.	-99.000	-99.000	-98
3. 3315.	6.750	19.018	19
3. 3325.	7.550	21.272	21
3. 3335.	1.140	3.212	3
3. 3345.	9.720	27.386	27
3. 3345.	8.250	23.245	23
3. 3355.	1.150	3.240	3
3. 3365.	.820	2.310	2
3. 3375.	.500	1.409	1
3. 3384.	11.090	31.246	31
3. 3394.	.630	1.775	1
3. 3404.	1.630	4.593	4
3. 3404.	20.040	56.463	56
4. 4872.	.550	1.550	1
4. 4882.	3.800	10.707	10
4. 4892.	2.800	7.889	7
4. 4902.	1.930	5.438	5
4. 4912.	.890	2.508	2
4. 4922.	2.350	6.621	6
4. 4930.	6.700	18.877	18
4. 4940.	5.360	15.102	15
4. 4950.	2.230	6.283	6
4. 4960.	2.790	7.861	7
4. 4970.	19.990	56.322	56
4. 4980.	.630	1.775	1
4. 5212.	1.270	3.578	3
4. 5222.	1.060	2.987	2
4. 5232.	.410	1.155	1
4. 5242.	1.210	3.409	3
4. 5253.	.470	1.324	1
4. 5263.	.480	1.352	1
4. 5273.	.420	1.183	1
4. 5283.	.340	.958	0
4. 5293.	.260	.733	0
4. 5303.	.330	.930	0
4. 5312.	.600	1.691	1
4. 5322.	.430	1.212	1
4. 5332.	11.900	33.529	33
4. 5342.	.590	1.662	1
4. 5347.	.980	2.761	2
4. 5357.	.340	.958	0

SAMPLE ID	X	TRANS	INT
4. 5362.	.330	.930	0
4. 5372.	.570	1.606	1
4. 5382.	2.800	7.889	7
4. 5394.	6.370	17.948	17
4. 5404.	4.960	13.975	13
4. 5414.	4.010	11.298	11
4. 5424.	2.380	6.706	6
4. 5434.	3.600	10.143	10
4. 5444.	1.670	4.705	4
4. 5447.	.460	1.296	1
4. 5457.	6.200	17.469	17
4. 5467.	.460	1.296	1
5. 321.	5.970	16.821	16
5. 331.	1.960	5.522	5
5. 341.	2.180	6.142	6
5. 344.	1.800	5.072	5
5. 354.	1.400	3.945	3
5. 365.	1.760	4.959	4
5. 372.	2.240	6.311	6
5. 382.	3.620	10.199	10
5. 392.	1.530	4.311	4
5. 401.	1.570	4.424	4
5. 411.	5.090	14.341	14
5. 421.	4.380	12.341	12
5. 431.	1.960	5.522	5
5. 441.	1.420	4.001	4
5. 451.	2.500	7.044	7
5. 458.	1.630	4.593	4
5. 468.	10.560	29.753	29
5. 478.	-99.000	-99.000	-98
5. 485.	1.870	5.269	5
5. 495.	6.900	19.441	19
5. 505.	2.350	6.621	6
5. 515.	2.370	6.678	6
5. 525.	1.540	4.339	4
5. 537.	1.730	4.874	4
5. 547.	3.960	11.157	11
5. 557.	1.340	3.775	3
5. 564.	3.320	9.354	9
5. 574.	4.730	13.327	13
5. 584.	8.830	24.879	24
5. 592.	2.390	6.734	6
5. 602.	2.660	7.495	7
6. 927.	1.350	3.804	3
6. 937.	1.350	3.804	3
6. 947.	2.310	6.508	6
6. 951.	1.350	3.804	3
6. 961.	1.340	3.775	3
6. 971.	1.360	3.832	3
6. 980.	4.370	12.313	12

SAMPLE ID	X	TRANS	INT
6. 990.	1.290	3.635	3
6. 1000.	5.860	16.511	16
6. 1010.	1.470	4.142	4
6. 1020.	1.380	3.888	3
6. 1030.	1.310	3.691	3
6. 1040.	1.320	3.719	3
6. 1050.	1.330	3.747	3
6. 1060.	6.550	18.455	18
6. 1070.	1.280	3.606	3
6. 1080.	1.320	3.719	3
6. 1090.	4.840	13.637	13
6. 1100.	10.800	30.429	30
6. 1110.	7.950	22.300	22
6. 1120.	2.210	6.227	6
6. 1130.	5.500	15.496	15
6. 1140.	9.440	26.597	26
7. 2183.	0.000	0.000	0
7. 2191.	1.910	5.381	5
7. 2220.	5.180	14.595	14
7. 2230.	7.730	21.780	21
7. 2239.	.960	2.705	2
7. 2251.	6.900	19.441	19
7. 2259.	1.430	4.029	4
7. 2271.	2.260	6.368	6
7. 2281.	2.680	7.551	7
7. 2290.	5.450	15.356	15
7. 2300.	4.930	13.890	13
7. 2310.	5.150	14.510	14
7. 2319.	.840	2.367	2
8. 2495.	.910	2.564	2
8. 2505.	2.180	6.142	6
8. 2515.	2.680	7.551	7
8. 2528.	1.880	5.297	5
8. 2536.	2.310	6.508	6
8. 2547.	.540	1.521	1
8. 2554.	.650	1.831	1
8. 2565.	.740	2.085	2
8. 2575.	.120	.338	0
8. 2585.	4.100	11.552	11
8. 2595.	.560	1.578	1
9. 3494.	.860	2.423	2
9. 3506.	.380	1.071	1
9. 3516.	.710	2.000	2
9. 3526.	.540	1.521	1
9. 3536.	5.720	16.116	16
9. 3545.	3.640	10.256	10
9. 3555.	1.940	5.466	5
9. 3564.	1.530	4.311	4
9. 3575.	.110	.310	0
9. 3585.	4.110	11.580	11

SAMPLE ID	X	TRANS	INT
9. 3593.	4.470	12.594	12
9. 3605.	.770	2.169	2
9. 3606.	2.850	8.030	8
9. 3606.	3.780	10.650	10
9. 3616.	.850	2.395	2
9. 3626.	.570	1.606	1
9. 3634.	1.440	4.057	4
9. 3644.	3.420	9.636	9
9. 3644.	7.570	21.329	21
9. 3665.	.170	.479	0
9. 3675.	.110	.310	0
9. 3685.	.710	2.000	2
9. 3695.	1.700	4.790	4
9. 3705.	7.610	21.441	21
9. 3711.	4.290	12.087	12
10. 2700.	18.190	51.251	51
10. 2710.	20.240	57.027	57
10. 2720.	17.230	48.546	48
10. 2730.	20.480	57.703	57
10. 2740.	16.280	45.869	45
10. 2750.	18.220	51.335	51
10. 2753.	19.520	54.998	55
10. 2763.	-99.000	-99.000	-98
10. 2773.	19.410	54.688	54
10. 2783.	19.320	54.435	54
10. 2793.	20.200	56.914	56
10. 2803.	18.400	51.843	51
10. 2811.	12.080	34.036	34
10. 2821.	11.160	31.444	31
10. 2841.	14.760	41.587	41
10. 2851.	19.460	54.829	54
10. 2861.	18.090	50.969	50
10. 2869.	-99.000	-99.000	-98
10. 2879.	21.140	59.563	59
10. 2889.	16.700	47.053	47
10. 2899.	17.160	48.349	48
10. 2909.	16.560	46.658	46
10. 2919.	14.700	41.418	41
10. 2927.	10.300	29.021	29
10. 2937.	11.200	31.556	31
10. 2947.	8.540	24.062	24
10. 2957.	7.200	20.286	20
10. 2967.	-99.000	-99.000	-98
10. 2977.	9.300	26.203	26
10. 2985.	15.600	43.953	43
10. 2995.	10.900	30.711	30
10. 3005.	8.740	24.625	24
10. 3015.	14.700	41.418	41
10. 3025.	13.900	39.164	39

SAMPLE ID		X	TRANS	INT
10.	3035.	12.400	34.937	34
10.	3044.	18.500	52.124	52
10.	3054.	16.900	47.616	47
10.	3064.	21.400	60.295	60
10.	3074.	-99.000	-99.000	-98
10.	3084.	16.000	45.081	45
10.	3094.	17.400	49.025	49
10.	3102.	18.500	52.124	52
10.	3112.	13.000	36.626	36
10.	3122.	2.630	7.410	7
10.	3132.	18.300	51.561	51
10.	3144.	-99.000	-99.000	-98
10.	3152.	.490	1.381	1
10.	3161.	19.000	53.533	53
10.	3171.	-99.000	-99.000	-98
10.	3181.	3.190	8.988	8
10.	3191.	3.220	9.072	9
10.	3201.	18.040	50.828	50
10.	3211.	19.900	56.069	56
10.	3220.	3.830	10.791	10
10.	3230.	12.100	34.092	34
10.	3240.	6.680	18.821	18
10.	3253.	3.370	9.495	9
10.	3262.	9.390	26.457	26
10.	3272.	10.000	29.866	29
10.	3282.	5.130	14.595	14
10.	3292.	11.600	32.683	32
10.	3302.	-99.000	-99.000	-98
10.	3311.	2.170	6.114	6
10.	3321.	2.410	6.790	6
10.	3331.	1.000	2.818	2
10.	3341.	-99.000	-99.000	-98
10.	3351.	8.240	23.216	23
10.	3361.	10.500	29.584	29
10.	3369.	4.850	13.665	13
10.	3380.	.570	1.606	1
10.	3389.	-99.000	-99.000	-98
11.	3012.	16.620	46.827	46
11.	3022.	13.700	38.600	38
11.	3043.	14.650	41.277	41
11.	3051.	19.250	54.237	54
11.	3056.	16.170	45.559	45
11.	3063.	14.590	41.108	41
11.	3067.	17.300	48.743	48
11.	3074.	14.420	40.629	40
11.	3080.	16.610	46.799	46
11.	3080.	11.010	31.021	31
11.	3086.	5.920	16.680	16
11.	3094.	16.640	46.884	46
11.	3099.	15.900	44.799	44
11.	3106.	15.650	44.094	44

VARIABLE% CO2 MAX% 22.480 MIN% 0.000 F% 2.802

SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	1.240	3.475	3
1. 2782.	2.620	7.343	7
1. 2787.	2.460	6.894	6
1. 2797.	2.270	6.362	6
1. 2802.	4.630	12.976	12
1. 2827.	2.810	7.875	7
1. 2832.	2.890	8.099	8
1. 2837.	1.740	4.876	4
1. 2842.	2.740	7.679	7
1. 2852.	1.690	4.736	4
1. 2897.	11.650	32.649	32
1. 2927.	.850	2.382	2
1. 2937.	-99.000	-99.000	-98
1. 2941.	5.890	16.507	16
1. 2947.	2.710	7.595	7
1. 2959.	2.130	5.969	5
1. 2964.	3.230	9.052	9
1. 2994.	4.180	11.714	11
1. 2999.	2.020	5.661	5
1. 3039.	11.380	31.892	31
1. 3064.	5.180	14.517	14
1. 3085.	3.420	9.585	9
1. 3090.	6.220	17.431	17
1. 3100.	4.990	13.984	13
1. 3181.	4.800	13.452	13
1. 3135.	5.690	15.946	15
1. 3140.	3.080	8.632	8
1. 3145.	2.440	6.838	6
1. 3150.	3.720	10.425	10
1. 3155.	2.290	6.418	6
1. 3165.	12.660	35.480	35
1. 3175.	1.060	2.971	2
1. 3180.	1.970	5.521	5
1. 3198.	1.100	3.083	3
1. 3218.	5.010	14.040	14
1. 3228.	6.060	16.983	16
1. 3229.	2.650	7.427	7
1. 3243.	3.780	10.593	10
1. 3248.	2.000	5.605	5
1. 3268.	4.170	11.686	11
1. 3276.	4.470	12.527	12
1. 3290.	4.420	12.387	12
1. 3310.	1.850	5.185	5
1. 3316.	3.840	10.762	10
1. 3326.	4.150	11.630	11
1. 3341.	2.410	6.754	6
1. 3346.	2.620	7.343	7
1. 3366.	4.780	13.396	13
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	1.100	3.083	3
1. 3426.	.680	1.906	1
1. 3467.	3.430	9.613	9
1. 3482.	3.050	8.548	8
1. 3583.	.720	2.018	2
1. 3588.	1.130	3.167	3
1. 3543.	3.020	8.464	8
1. 3553.	.790	2.214	2
1. 3573.	.660	1.850	1
1. 3578.	1.260	3.531	3
1. 3588.	2.710	7.595	7
1. 3593.	2.100	5.885	5
1. 3606.	.760	2.130	2
1. 3631.	.590	1.653	1
1. 3636.	.630	1.766	1
1. 3651.	1.120	3.139	3
1. 3701.	1.410	3.952	3
1. 3724.	-99.000	-99.000	-98
1. 3748.	3.230	9.052	9
1. 3773.	5.780	16.198	16
1. 3782.	5.990	16.787	16
1. 3792.	8.070	22.616	22
1. 3797.	1.250	3.503	3
1. 3807.	3.850	10.790	10
1. 3818.	7.630	21.383	21
1. 3849.	4.280	11.995	11
1. 3859.	3.100	8.688	8
1. 3860.	4.240	11.883	11
1. 3869.	1.160	3.251	3
1. 3874.	6.960	19.505	19
1. 3900.	7.920	22.196	22
1. 3908.	4.150	11.630	11
1. 3925.	4.460	12.499	12
1. 3939.	8.200	22.980	22
1. 3998.	2.330	6.530	6
1. 4045.	.480	1.345	1
2. 2655.	3.160	8.856	8
2. 2710.	2.150	6.025	6
2. 2761.	1.880	5.269	5
2. 3000.	2.780	7.791	7
2. 3025.	3.420	9.585	9
2. 3050.	3.380	9.472	9
2. 3101.	2.160	6.053	6
2. 3303.	3.170	8.884	8
2. 3328.	4.310	12.079	12
2. 3378.	.880	2.466	2
2. 3428.	.610	1.710	1
2. 3478.	1.460	4.092	4
2. 3528.	.850	2.382	2
2. 3896.	1.530	4.288	4

SAMPLE ID	X	TRANS	INT
2. 3922.	.650	1.822	1
2. 3961.	.360	1.009	1
2. 3971.	.320	.897	0
3. 2434.	1.380	3.867	3
3. 2444.	1.390	3.895	3
3. 2454.	2.740	7.679	7
3. 2463.	.210	.569	0
3. 2464.	2.460	6.894	6
3. 2474.	3.640	10.201	10
3. 2494.	3.130	8.772	8
3. 2504.	3.510	9.837	9
3. 2514.	3.680	10.313	10
3. 2514.	.050	.140	0
3. 2524.	1.900	5.325	5
3. 2534.	.940	2.634	2
3. 2545.	1.850	5.185	5
3. 2555.	.410	1.149	1
3. 2565.	5.300	14.853	14
3. 2565.	.420	1.177	1
3. 2575.	.500	1.401	1
3. 2586.	14.260	39.964	39
3. 2588.	.170	.476	0
3. 2595.	1.380	3.867	3
3. 2607.	2.400	6.726	6
3. 2617.	-99.000	-99.000	-98
3. 2617.	.120	.336	0
3. 2637.	.970	2.718	2
3. 2646.	.340	.953	0
3. 2656.	5.220	14.629	14
3. 2666.	4.560	12.779	12
3. 2666.	.760	2.130	2
3. 2676.	3.570	10.005	10
3. 2686.	3.910	10.958	10
3. 2686.	3.560	9.977	9
3. 2696.	2.070	5.801	5
3. 2705.	3.000	8.407	8
3. 2715.	2.060	5.773	5
3. 2725.	2.590	7.258	7
3. 2725.	1.520	4.260	4
3. 2735.	2.730	7.651	7
3. 2745.	6.850	19.197	19
3. 2755.	.990	2.774	2
3. 2763.	2.430	6.810	6
3. 2773.	1.880	5.269	5
3. 2784.	2.990	8.379	8
3. 2784.	3.800	10.649	10
3. 2793.	.850	2.382	2
3. 2802.	2.190	6.137	6
3. 2814.	1.700	4.764	4
3. 2822.	2.620	7.343	7

SAMPLE ID	X	TRANS	INT
3. 2830.	.980	2.746	2
3. 2842.	.490	1.373	1
3. 2842.	1.490	4.176	4
3. 2852.	1.800	5.044	5
3. 2862.	6.550	18.356	18
3. 2872.	4.620	12.948	12
3. 2881.	6.530	18.300	18
3. 2891.	1.710	4.792	4
3. 2901.	4.240	11.883	11
3. 2901.	.870	2.438	2
3. 2911.	4.170	11.686	11
3. 2921.	1.040	2.915	2
3. 2931.	3.060	8.576	8
3. 2940.	6.130	17.179	17
3. 2950.	3.810	10.677	10
3. 2960.	3.210	8.996	9
3. 2960.	1.520	4.260	4
3. 2970.	3.460	9.697	9
3. 2980.	2.360	6.614	6
3. 2990.	4.390	12.303	12
3. 2999.	.670	1.878	1
3. 3009.	3.420	9.585	9
3. 3019.	1.170	3.279	3
3. 3019.	.720	2.018	2
3. 3029.	1.570	4.400	4
3. 3038.	2.480	6.950	6
3. 3049.	1.780	4.988	4
3. 3054.	1.840	5.157	5
3. 3069.	1.870	5.241	5
3. 3069.	1.340	3.755	3
3. 3079.	1.640	4.596	4
3. 3089.	4.350	12.191	12
3. 3099.	3.090	8.660	8
3. 3107.	3.280	9.192	9
3. 3117.	.330	.925	0
3. 3127.	6.080	17.039	17
3. 3137.	3.290	9.220	9
3. 3137.	3.070	8.604	8
3. 3146.	12.510	35.059	35
3. 3157.	6.070	17.011	17
3. 3166.	.630	1.766	1
3. 3176.	3.670	10.285	10
3. 3186.	2.360	6.614	6
3. 3186.	2.880	8.071	8
3. 3196.	.470	1.317	1
3. 3196.	1.230	3.447	3
3. 3206.	.180	.504	0
3. 3216.	.360	1.009	1
3. 3224.	4.540	12.723	12
3. 3234.	1.610	4.512	4

SAMPLE ID	X	TRANS	INT
3. 3244.	3.930	11.014	11
3. 3244.	.840	2.354	2
3. 3254.	1.870	5.241	5
3. 3264.	6.270	17.572	17
3. 3274.	5.040	16.927	16
3. 3284.	6.750	18.917	18
3. 3294.	.570	1.597	1
3. 3304.	5.140	14.405	14
3. 3304.	2.730	7.651	7
3. 3310.	-99.000	-99.000	-98
3. 3315.	5.100	14.293	14
3. 3325.	1.450	4.064	4
3. 3335.	7.370	20.654	20
3. 3345.	2.270	6.362	6
3. 3345.	2.000	5.605	5
3. 3355.	4.330	12.135	12
3. 3365.	4.930	13.816	13
3. 3375.	2.560	7.174	7
3. 3384.	.510	1.429	1
3. 3394.	2.630	7.371	7
3. 3404.	4.450	12.471	12
3. 3404.	.240	.673	0
4. 4872.	1.040	2.915	2
4. 4882.	.110	.308	0
4. 4892.	.030	.084	0
4. 4902.	.410	1.149	1
4. 4912.	.220	.617	0
4. 4922.	.710	1.990	1
4. 4930.	.490	1.373	1
4. 4940.	.980	2.746	2
4. 4950.	3.910	10.958	10
4. 4960.	3.690	10.341	10
4. 4970.	.510	1.429	1
4. 4980.	8.300	23.261	23
4. 5212.	3.060	8.576	8
4. 5222.	2.750	7.707	7
4. 5232.	.880	2.466	2
4. 5242.	1.580	4.428	4
4. 5253.	1.230	3.447	3
4. 5263.	.990	2.774	2
4. 5273.	1.250	3.503	3
4. 5283.	.670	1.878	1
4. 5293.	.550	1.541	1
4. 5303.	.260	.729	0
4. 5312.	2.500	7.006	7
4. 5322.	.980	2.746	2
4. 5332.	1.350	3.783	3
4. 5342.	.130	.364	0
4. 5347.	1.210	3.391	3
4. 5357.	1.290	3.615	3

SAMPLE ID	X	TRANS	INT
4. 5362.	.530	1.485	1
4. 5372.	.220	.617	0
4. 5382.	.200	.560	0
4. 5394.	1.410	3.952	3
4. 5404.	.290	.813	0
4. 5414.	.780	2.186	2
4. 5424.	.090	.252	0
4. 5434.	.200	.560	0
4. 5444.	.080	.224	0
4. 5447.	.480	1.345	1
4. 5457.	.080	.224	0
4. 5467.	.410	1.149	1
5. 321.	.120	.330	0
5. 331.	.280	.785	0
5. 341.	.910	2.550	2
5. 344.	.150	.420	0
5. 354.	.120	.336	0
5. 365.	.580	1.625	1
5. 372.	.110	.308	0
5. 382.	.580	1.625	1
5. 392.	.210	.589	0
5. 401.	.810	2.270	2
5. 411.	.850	2.382	2
5. 421.	1.380	3.867	3
5. 431.	.610	1.710	1
5. 441.	.140	.392	0
5. 451.	.660	1.850	1
5. 458.	1.690	4.736	4
5. 468.	1.160	3.251	3
5. 478.	-99.000	-99.000	-98
5. 485.	.610	1.710	1
5. 495.	.590	1.653	1
5. 505.	2.070	5.801	5
5. 515.	.100	.280	0
5. 525.	1.020	2.859	2
5. 537.	1.040	2.915	2
5. 547.	2.230	6.250	6
5. 557.	1.520	4.260	4
5. 564.	1.980	5.549	5
5. 574.	2.930	8.211	8
5. 584.	2.810	7.875	7
5. 592.	3.770	10.565	10
5. 602.	2.040	5.717	5
6. 927.	.860	2.410	2
6. 937.	1.790	5.016	5
6. 947.	2.260	6.334	6
6. 951.	2.230	5.250	6
6. 961.	2.790	7.819	7
6. 971.	1.880	5.269	5
6. 980.	2.930	8.211	8

SAMPLE ID	X	TRANS	INT
6. 990.	4.050	11.350	11
6. 1000.	22.480	63.000	63
6. 1010.	3.300	9.248	9
6. 1020.	1.230	3.447	3
6. 1030.	1.090	3.055	3
6. 1040.	2.560	7.174	7
6. 1050.	2.660	7.455	7
6. 1060.	2.390	6.698	6
6. 1070.	1.430	4.008	4
6. 1080.	1.120	3.139	3
6. 1090.	1.820	5.101	5
6. 1100.	1.990	5.577	5
6. 1110.	3.320	9.304	9
6. 1120.	3.430	9.613	9
6. 1130.	3.740	10.481	10
6. 1140.	3.850	10.790	10
7. 2183.	.130	.364	0
7. 2191.	.520	1.457	1
7. 2220.	2.110	5.913	5
7. 2230.	1.140	3.195	3
7. 2239.	1.430	4.008	4
7. 2251.	1.200	3.363	3
7. 2259.	.430	1.205	1
7. 2271.	1.260	3.531	3
7. 2281.	1.020	2.859	2
7. 2290.	1.000	2.802	2
7. 2300.	1.270	3.559	3
7. 2310.	1.120	3.139	3
7. 2319.	1.010	2.831	2
8. 2495.	1.270	3.559	3
8. 2505.	6.530	18.300	18
8. 2515.	4.410	12.359	12
8. 2528.	6.790	19.029	19
8. 2536.	7.920	22.196	22
8. 2547.	4.220	11.827	11
8. 2554.	3.310	9.276	9
8. 2565.	3.520	9.865	9
8. 2575.	5.140	14.405	14
8. 2585.	7.200	20.178	20
8. 2595.	5.510	15.442	15
9. 3494.	.510	1.429	1
9. 3506.	.480	1.345	1
9. 3516.	.530	1.485	1
9. 3526.	.480	1.345	1
9. 3536.	.840	2.354	2
9. 3545.	.720	2.018	2
9. 3555.	.300	.841	0
9. 3564.	0.000	0.000	0
9. 3575.	.430	1.205	1
9. 3585.	.710	1.990	1

SAMPLE ID	X	TRANS	INT
9. 3593.	1.020	2.859	2
9. 3605.	.380	1.065	1
9. 3606.	.620	1.738	1
9. 3606.	2.540	7.118	7
9. 3616.	2.010	5.633	5
9. 3626.	1.070	2.999	3
9. 3634.	1.070	2.999	3
9. 3644.	1.510	4.232	4
9. 3644.	2.250	6.306	6
9. 3665.	.570	1.597	1
9. 3675.	.250	.701	0
9. 3685.	.530	1.485	1
9. 3695.	1.020	2.059	2
9. 3705.	.560	1.569	1
9. 3711.	1.190	3.335	3
10. 2700.	.030	.084	0
10. 2710.	.020	.056	0
10. 2720.	.400	1.121	1
10. 2730.	.030	.084	0
10. 2740.	.560	1.569	1
10. 2750.	.160	.448	0
10. 2753.	.010	.028	0
10. 2763.	-99.000	-99.000	-98
10. 2773.	.020	.056	0
10. 2783.	.020	.056	0
10. 2793.	.010	.028	0
10. 2803.	.300	.841	0
10. 2811.	.460	1.289	1
10. 2821.	.390	1.093	1
10. 2841.	.230	.645	0
10. 2851.	.010	.028	0
10. 2861.	.020	.056	0
10. 2869.	-99.000	-99.000	-98
10. 2879.	.020	.056	0
10. 2889.	.050	.140	0
10. 2899.	.040	.112	0
10. 2909.	.100	.280	0
10. 2919.	.170	.476	0
10. 2927.	.190	.532	0
10. 2937.	.130	.364	0
10. 2947.	.580	1.625	1
10. 2957.	1.170	3.279	3
10. 2967.	-99.000	-99.000	-98
10. 2977.	.740	2.074	2
10. 2985.	.040	.112	0
10. 2995.	.420	1.177	1
10. 3005.	.650	1.822	1
10. 3015.	.390	1.093	1
10. 3025.	.290	.813	0

SAMPLE ID	X	TRANS	INT
10. 3035.	.030	.084	0
10. 3044.	.240	.673	0
10. 3054.	.740	2.074	2
10. 3064.	.130	.364	0
10. 3074.	-99.000	-99.000	-98
10. 3084.	.590	1.653	1
10. 3094.	.720	2.018	2
10. 3102.	.080	.224	0
10. 3112.	1.940	5.437	5
10. 3122.	1.610	4.512	4
10. 3132.	0.000	0.000	0
10. 3144.	-99.000	-99.000	-98
10. 3152.	2.040	5.717	5
10. 3161.	.120	.336	0
10. 3171.	-99.000	-99.000	-98
10. 3181.	5.980	16.759	16
10. 3191.	4.600	12.891	12
10. 3201.	.080	.224	0
10. 3211.	.040	.112	0
10. 3220.	1.270	3.559	3
10. 3230.	.160	.448	0
10. 3240.	1.810	5.073	5
10. 3253.	1.620	4.540	4
10. 3262.	.060	.168	0
10. 3272.	.580	1.625	1
10. 3282.	.920	2.578	2
10. 3292.	.230	.645	0
10. 3302.	-99.000	-99.000	-98
10. 3311.	.480	1.345	1
10. 3321.	1.230	3.447	3
10. 3331.	.590	1.653	1
10. 3341.	-99.000	-99.000	-98
10. 3351.	.360	1.009	1
10. 3361.	.730	2.046	2
10. 3369.	1.100	3.083	3
10. 3380.	1.060	2.971	2
10. 3389.	-99.000	-99.000	-98
11. 3012.	.610	1.710	1
11. 3022.	.110	.308	0
11. 3043.	1.990	5.577	5
11. 3051.	.320	.897	0
11. 3056.	.780	2.186	2
11. 3063.	.820	2.298	2
11. 3067.	.520	1.457	1
11. 3074.	.760	2.130	2
11. 3080.	.980	2.746	2
11. 3080.	1.550	4.344	4
11. 3086.	1.050	2.943	2
11. 3094.	.290	.813	0
11. 3099.	.580	1.625	1
11. 3106.	.090	.252	0

VARIABLE% TOTAL C MAX% 14.700 MIN% .200 F% 4.34%

SAMPLE ID	X	TRANS	INT
1. 2746.	-99.000	-99.000	-98
1. 2755.	.400	.869	0
1. 2782.	.600	1.738	1
1. 2787.	.400	.869	0
1. 2797.	.700	2.172	2
1. 2802.	.300	.434	0
1. 2827.	.300	.434	0
1. 2832.	2.000	7.821	7
1. 2837.	.800	2.607	2
1. 2842.	1.000	6.952	6
1. 2852.	.500	1.303	1
1. 2897.	1.700	6.517	6
1. 2927.	1.100	3.910	3
1. 2937.	-99.000	-99.000	-98
1. 2941.	.400	.869	0
1. 2947.	.900	3.041	3
1. 2959.	2.500	9.993	9
1. 2964.	.600	1.738	1
1. 2994.	3.800	15.641	15
1. 2999.	2.100	8.255	8
1. 3039.	.900	3.041	3
1. 3064.	1.000	3.476	3
1. 3085.	1.900	7.386	7
1. 3090.	1.000	3.476	3
1. 3100.	1.200	4.345	4
1. 3181.	2.000	7.821	7
1. 3135.	1.900	7.386	7
1. 3140.	.400	.869	0
1. 3145.	1.100	3.910	3
1. 3150.	1.800	6.952	6
1. 3155.	.400	.869	0
1. 3165.	.900	3.041	3
1. 3175.	.900	3.041	3
1. 3180.	.700	2.172	2
1. 3198.	1.900	7.386	7
1. 3218.	.900	3.041	3
1. 3228.	5.900	24.766	24
1. 3229.	.300	.434	0
1. 3243.	.400	.869	0
1. 3248.	.900	3.041	3
1. 3268.	.600	1.738	1
1. 3276.	.500	1.303	1
1. 3290.	.800	2.607	2
1. 3310.	.600	1.738	1
1. 3316.	1.800	6.952	6
1. 3326.	.300	.434	0
1. 3341.	1.100	3.910	3
1. 3346.	1.600	6.083	6
1. 3366.	3.100	12.600	12
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	1.300	4.779	4
1. 3426.	4.800	19.986	19
1. 3467.	.600	1.738	1
1. 3482.	1.200	4.345	4
1. 3583.	5.500	23.028	23
1. 3588.	5.000	20.855	20
1. 3543.	.800	2.607	2
1. 3553.	4.100	16.945	16
1. 3573.	5.500	23.028	23
1. 3578.	5.100	21.290	21
1. 3588.	4.100	16.945	16
1. 3593.	1.500	5.648	5
1. 3606.	3.900	16.076	16
1. 3631.	4.400	18.248	18
1. 3636.	4.200	17.379	17
1. 3651.	5.200	21.724	21
1. 3701.	7.200	30.414	30
1. 3724.	1.200	4.345	4
1. 3748.	1.500	5.648	5
1. 3773.	.800	2.607	2
1. 3782.	1.100	3.910	3
1. 3792.	.900	3.041	3
1. 3797.	.800	2.607	2
1. 3807.	1.300	4.779	4
1. 3818.	.600	1.738	1
1. 3849.	.700	2.172	2
1. 3859.	2.300	9.124	9
1. 3860.	1.100	3.910	3
1. 3869.	2.900	11.731	11
1. 3874.	.400	.869	0
1. 3888.	.900	3.041	3
1. 3908.	.800	2.607	2
1. 3925.	.900	3.041	3
1. 3939.	.900	3.041	3
1. 3998.	2.800	11.297	11
1. 4045.	5.800	24.331	24
2. 2655.	.200	0.000	0
2. 2710.	.300	.434	0
2. 2761.	.700	2.172	2
2. 3000.	1.000	3.476	3
2. 3025.	.600	1.738	1
2. 3050.	1.400	5.214	5
2. 3101.	1.400	5.214	5
2. 3303.	.700	2.172	2
2. 3328.	1.400	5.214	5
2. 3378.	4.800	19.986	19
2. 3428.	3.100	12.600	12
2. 3478.	.700	2.172	2
2. 3528.	5.100	21.290	21
2. 3896.	1.400	5.214	5

SAMPLE ID	X	TRANS	INT
2. 3922.	4.100	16.945	16
2. 3961.	7.100	29.979	29
2. 3971.	5.100	21.290	21
3. 2434.	-99.000	-99.000	-99
3. 2444.	7.600	32.152	32
3. 2454.	7.200	30.414	30
3. 2463.	7.000	29.545	29
3. 2464.	6.100	25.634	25
3. 2474.	6.100	25.634	25
3. 2494.	4.100	16.945	16
3. 2504.	4.900	20.421	20
3. 2514.	1.000	6.952	6
3. 2514.	5.100	21.290	21
3. 2524.	1.500	5.648	5
3. 2534.	.800	2.607	2
3. 2545.	.700	2.172	2
3. 2555.	1.900	7.386	7
3. 2565.	3.900	16.076	16
3. 2565.	1.600	6.083	6
3. 2575.	.500	1.303	1
3. 2586.	.500	1.303	1
3. 2588.	.400	.869	0
3. 2595.	.700	2.172	2
3. 2607.	.800	2.607	2
3. 2617.	1.400	5.214	5
3. 2617.	.500	1.303	1
3. 2637.	.500	1.303	1
3. 2646.	.500	1.303	1
3. 2656.	2.800	11.297	11
3. 2666.	2.800	11.297	11
3. 2666.	4.000	16.510	16
3. 2676.	3.800	15.641	15
3. 2686.	4.300	17.814	17
3. 2686.	4.700	19.552	19
3. 2696.	4.400	18.248	18
3. 2705.	3.800	15.641	15
3. 2715.	2.500	9.993	9
3. 2725.	3.200	13.034	13
3. 2725.	2.100	8.255	8
3. 2735.	3.400	13.903	13
3. 2745.	2.000	7.821	7
3. 2755.	2.000	7.821	7
3. 2763.	2.100	8.255	8
3. 2773.	3.200	13.034	13
3. 2784.	4.000	16.510	16
3. 2784.	3.100	12.600	12
3. 2793.	.500	1.303	1
3. 2802.	1.000	3.476	3
3. 2814.	1.600	6.083	6
3. 2822.	.800	2.607	2

SAMPLE ID	X	TRANS	INT
3. 2830.	.600	1.738	1
3. 2842.	2.000	7.821	7
3. 2842.	.800	2.607	2
3. 2852.	3.700	15.207	15
3. 2862.	2.400	9.559	9
3. 2872.	2.500	9.993	9
3. 2881.	1.900	7.386	7
3. 2891.	.500	1.303	1
3. 2901.	1.900	7.386	7
3. 2901.	.500	1.303	1
3. 2911.	3.300	13.469	13
3. 2921.	8.400	35.628	35
3. 2931.	.600	1.738	1
3. 2940.	3.900	16.076	16
3. 2950.	1.100	3.910	3
3. 2960.	7.300	30.848	30
3. 2960.	6.800	28.676	28
3. 2970.	5.000	20.855	20
3. 2980.	.600	1.738	1
3. 2990.	5.800	24.331	24
3. 2999.	1.300	4.779	4
3. 3009.	4.300	17.814	17
3. 3019.	3.800	15.641	15
3. 3019.	2.600	10.428	10
3. 3029.	.600	1.738	1
3. 3038.	5.900	24.766	24
3. 3049.	5.800	24.331	24
3. 3054.	3.800	15.641	15
3. 3069.	5.300	22.159	22
3. 3069.	2.800	11.297	11
3. 3079.	4.600	19.117	19
3. 3089.	5.300	22.159	22
3. 3099.	7.100	29.979	29
3. 3107.	5.000	20.855	20
3. 3117.	.900	3.041	3
3. 3127.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3137.	-99.000	-99.000	-98
3. 3146.	-99.000	-99.000	-98
3. 3157.	.800	2.607	2
3. 3166.	-99.000	-99.000	-98
3. 3176.	.500	1.303	1
3. 3186.	2.300	9.124	9
3. 3186.	2.000	7.821	7
3. 3196.	.300	.434	0
3. 3196.	.600	1.738	1
3. 3206.	-99.000	-99.000	-98
3. 3216.	.900	3.041	3
3. 3224.	2.400	9.559	9
3. 3234.	2.800	11.297	11

SAMPLE ID	X	TRANS	INT
3. 3244.	1.500	5.648	5
3. 3244.	-99.000	-99.000	-98
3. 3254.	1.100	3.910	3
3. 3264.	-99.000	-99.000	-98
3. 3274.	-99.000	-99.000	-98
3. 3284.	-99.000	-99.000	-98
3. 3294.	.500	1.303	1
3. 3304.	-99.000	-99.000	-98
3. 3304.	-99.000	-99.000	-98
3. 3310.	-99.000	-99.000	-98
3. 3315.	-99.000	-99.000	-98
3. 3325.	2.500	9.993	9
3. 3335.	-99.000	-99.000	-98
3. 3345.	-99.000	-99.000	-98
3. 3345.	.700	2.172	2
3. 3355.	2.000	7.821	7
3. 3365.	1.900	7.386	7
3. 3375.	5.800	24.331	24
3. 3384.	4.300	17.814	17
3. 3394.	2.700	10.862	10
3. 3404.	8.400	35.628	35
3. 3404.	1.300	4.779	4
4. 4872.	4.000	16.510	16
4. 4882.	6.200	26.069	26
4. 4892.	5.900	24.766	24
4. 4902.	5.200	21.724	21
4. 4912.	5.200	21.724	21
4. 4922.	3.200	13.034	13
4. 4930.	2.300	7.124	9
4. 4940.	2.800	11.297	11
4. 4950.	3.100	12.600	12
4. 4960.	1.300	4.779	4
4. 4970.	5.400	13.903	13
4. 4980.	1.200	4.345	4
4. 5212.	1.100	3.910	3
4. 5222.	1.200	4.345	4
4. 5232.	-99.000	-99.000	-98
4. 5242.	1.400	5.214	5
4. 5253.	2.500	9.993	9
4. 5263.	1.300	4.779	4
4. 5273.	1.700	6.517	6
4. 5283.	1.700	6.517	6
4. 5293.	2.500	9.993	9
4. 5303.	2.100	8.255	8
4. 5312.	2.500	9.993	9
4. 5322.	1.800	6.952	6
4. 5332.	1.000	3.476	3
4. 5342.	3.500	14.338	14
4. 5347.	1.700	6.517	6
4. 5357.	1.900	7.386	7

SAMPLE ID	X	TRANS	INT
4. 5362.	6.200	26.069	26
4. 5372.	4.700	19.552	19
4. 5382.	4.000	16.510	16
4. 5394.	2.600	10.428	10
4. 5404.	-99.000	-99.000	-98
4. 5414.	-99.000	-99.000	-98
4. 5424.	5.000	20.855	20
4. 5434.	2.400	9.559	9
4. 5444.	6.200	26.069	26
4. 5447.	5.100	21.290	21
4. 5457.	4.900	20.421	20
4. 5467.	4.800	19.986	19
5. 321.	2.000	7.821	7
5. 331.	2.100	8.255	8
5. 341.	2.400	9.559	9
5. 344.	2.600	10.428	10
5. 354.	2.200	8.690	8
5. 365.	2.900	11.731	11
5. 372.	2.800	11.297	11
5. 382.	2.400	9.559	9
5. 392.	3.600	14.772	14
5. 401.	2.400	9.559	9
5. 411.	2.400	9.559	9
5. 421.	2.400	9.559	9
5. 431.	2.400	9.559	9
5. 441.	2.400	9.559	9
5. 451.	3.600	14.772	14
5. 458.	5.700	23.897	23
5. 468.	2.700	10.862	10
5. 478.	2.900	11.731	11
5. 485.	.900	3.041	3
5. 495.	.800	2.607	2
5. 505.	4.000	16.510	16
5. 515.	1.900	7.386	7
5. 525.	1.900	7.386	7
5. 537.	1.800	6.952	6
5. 547.	3.100	12.600	12
5. 557.	2.300	9.124	9
5. 564.	3.000	12.166	12
5. 574.	2.400	9.559	9
5. 584.	6.900	29.110	29
5. 592.	6.000	25.200	25
5. 602.	5.900	24.766	24
6. 927.	2.300	9.124	9
6. 937.	1.400	5.214	5
6. 947.	1.500	5.648	5
6. 951.	1.800	6.952	6
6. 961.	2.200	8.690	8
6. 971.	2.100	8.255	8
6. 980.	2.300	9.124	9

SAMPLE ID	X	TRANS	INT
6. 990.	1.400	5.214	5
6. 1000.	1.300	4.779	4
6. 1010.	1.600	6.083	6
6. 1020.	1.400	5.214	5
6. 1030.	2.000	7.821	7
6. 1040.	1.800	6.952	6
6. 1050.	1.800	6.952	6
6. 1060.	2.800	11.297	11
6. 1070.	2.900	11.731	11
6. 1080.	5.200	21.724	21
6. 1090.	9.200	39.103	39
6. 1100.	8.300	35.193	35
6. 1110.	4.400	18.248	18
6. 1120.	2.400	9.559	9
6. 1130.	2.000	7.821	7
6. 1140.	2.300	9.124	9
7. 2183.	14.700	63.000	63
7. 2191.	10.500	44.752	44
7. 2220.	7.100	29.979	29
7. 2230.	2.200	8.690	8
7. 2239.	8.800	37.366	37
7. 2251.	1.300	4.779	4
7. 2259.	12.600	53.876	53
7. 2271.	9.000	38.234	38
7. 2281.	8.900	37.800	37
7. 2290.	9.800	41.710	41
7. 2300.	9.300	39.538	39
7. 2310.	8.900	37.800	37
7. 2319.	12.600	53.876	53
8. 2495.	.800	2.607	2
8. 2505.	11.500	49.097	49
8. 2515.	6.100	25.634	25
8. 2528.	8.600	36.497	36
8. 2536.	10.300	43.883	43
8. 2547.	7.100	29.979	29
8. 2554.	5.400	22.593	22
8. 2565.	3.200	13.034	13
8. 2575.	7.500	31.717	31
8. 2585.	8.700	36.931	36
8. 2595.	6.100	25.634	25
9. 3494.	.400	.869	0
9. 3506.	1.500	5.648	5
9. 3516.	1.600	6.083	6
9. 3526.	3.200	13.034	13
9. 3536.	2.200	8.690	8
9. 3545.	1.300	4.779	4
9. 3555.	1.300	4.779	4
9. 3564.	-99.000	-99.000	-98
9. 3575.	-99.000	-99.000	-98
9. 3585.	2.200	8.690	8

SAMPLE ID	X	TRANS	INT
9. 3593.	2.800	11.297	11
9. 3605.	3.100	12.600	12
9. 3606.	5.000	20.855	20
9. 3606.	3.900	16.076	16
9. 3616.	-99.000	-99.000	-98
9. 3626.	.900	3.041	3
9. 3634.	2.300	9.124	9
9. 3644.	-99.000	-99.000	-98
3. 3644.	-99.000	-99.000	-98
9. 3665.	2.400	9.559	9
9. 3675.	1.800	6.952	6
9. 3685.	1.700	6.517	6
9. 3685.	3.500	14.338	14
9. 3705.	.500	1.303	1
9. 3711.	.500	1.303	1
10. 2700.	.400	.869	0
10. 2710.	1.500	5.648	5
10. 2720.	5.000	20.855	20
10. 2730.	1.500	5.648	5
10. 2740.	5.200	21.724	21
10. 2750.	4.600	19.117	19
10. 2753.	.300	.434	0
10. 2763.	-99.000	-99.000	-98
10. 2773.	1.800	6.952	6
10. 2783.	.800	2.607	2
10. 2793.	1.700	6.517	6
10. 2803.	3.800	15.641	15
10. 2811.	4.300	17.814	17
10. 2821.	.800	2.607	2
10. 2841.	4.800	19.986	19
10. 2851.	.500	1.303	1
10. 2861.	2.300	9.124	9
10. 2869.	-99.000	-99.000	-98
10. 2879.	1.100	3.910	3
10. 2889.	.300	.434	0
10. 2899.	.500	1.303	1
10. 2909.	3.900	16.076	16
10. 2919.	.800	2.607	2
10. 2927.	4.900	20.421	20
10. 2937.	2.200	8.690	8
10. 2947.	5.200	21.724	21
10. 2957.	6.200	26.069	26
10. 2967.	-99.000	-99.000	-98
10. 2977.	5.900	24.766	24
10. 2985.	.400	.869	0
10. 2995.	3.900	16.076	16
10. 3005.	1.100	3.910	3
10. 3015.	2.600	10.428	10
10. 3025.	6.000	25.200	25

SAMPLE ID		X	TRANS	INT
10.	3035.	1.300	4.779	4
10.	3044.	.800	2.607	2
10.	3054.	.300	.434	0
10.	3064.	.300	.434	0
10.	3074.	-99.000	-99.000	-98
10.	3084.	.800	2.607	2
10.	3094.	.400	.869	0
10.	3102.	.600	1.738	1
10.	3112.	.600	1.738	1
10.	3122.	.300	.434	0
10.	3132.	.200	0.000	0
10.	3144.	-99.000	-99.000	-98
10.	3152.	2.400	9.559	9
10.	3161.	.500	1.303	1
10.	3171.	-99.000	-99.000	-98
10.	3181.	.200	0.000	0
10.	3191.	.700	2.172	2
10.	3201.	.200	0.000	0
10.	3211.	.500	1.303	1
10.	3220.	.300	.434	0
10.	3230.	.600	1.738	1
10.	3240.	.500	1.303	1
10.	3253.	-99.000	-99.000	-98
10.	3262.	-99.000	-99.000	-98
10.	3272.	-99.000	-99.000	-98
10.	3282.	-99.000	-99.000	-98
10.	3292.	-99.000	-99.000	-98
10.	3302.	-99.000	-99.000	-98
10.	3311.	-99.000	-99.000	-98
10.	3321.	-99.000	-99.000	-98
10.	3331.	-99.000	-99.000	-98
10.	3341.	-99.000	-99.000	-98
10.	3351.	-99.000	-99.000	-98
10.	3361.	-99.000	-99.000	-98
10.	3369.	-99.000	-99.000	-98
10.	3380.	-99.000	-99.000	-98
10.	3389.	-99.000	-99.000	-98
11.	3012.	1.100	3.910	3
11.	3022.	2.300	9.124	9
11.	3043.	7.600	32.152	32
11.	3051.	6.600	27.807	27
11.	3056.	7.300	30.848	30
11.	3063.	8.400	35.628	35
11.	3067.	8.600	36.497	36
11.	3074.	7.600	32.152	32
11.	3080.	3.900	16.076	16
11.	3080.	2.700	10.862	10
11.	3086.	2.600	10.428	10
11.	3094.	5.300	22.159	22
11.	3099.	8.700	36.931	36
11.	3106.	9.500	40.407	40

VARIABLE% SURFACE A MAX% 24.010 MIN% .360 F% 2.664

SAMPLE ID	X	TRANS	INT
1. 2746.	2.250	5.035	5
1. 2755.	2.470	5.621	5
1. 2782.	1.080	1.918	1
1. 2787.	1.180	2.184	2
1. 2797.	2.420	5.488	5
1. 2802.	1.270	2.424	2
1. 2827.	1.870	4.022	4
1. 2832.	1.000	1.705	1
1. 2837.	3.220	7.619	7
1. 2842.	3.360	7.992	7
1. 2852.	.880	1.385	1
1. 2897.	1.000	1.705	1
1. 2927.	3.010	7.059	7
1. 2937.	-99.000	-99.000	-98
1. 2941.	2.520	5.754	5
1. 2947.	1.210	2.264	2
1. 2959.	4.120	10.016	10
1. 2964.	2.080	4.582	4
1. 2994.	1.060	1.865	1
1. 2999.	3.640	8.737	8
1. 3039.	2.020	4.422	4
1. 3064.	1.110	1.998	2
1. 3085.	4.310	10.522	10
1. 3090.	1.750	3.703	3
1. 3100.	2.100	4.635	4
1. 3181.	1.040	1.811	1
1. 3135.	2.430	5.514	5
1. 3140.	.690	.879	0
1. 3145.	2.140	4.742	4
1. 3150.	1.690	3.543	3
1. 3155.	1.000	1.705	1
1. 3165.	1.190	2.211	2
1. 3175.	2.970	6.953	6
1. 3180.	2.050	4.502	4
1. 3198.	3.860	9.323	9
1. 3218.	1.040	1.811	1
1. 3228.	1.020	1.758	1
1. 3229.	.990	1.678	1
1. 3243.	.920	1.492	1
1. 3248.	2.520	5.754	5
1. 3268.	1.350	2.637	2
1. 3276.	1.050	1.838	1
1. 3290.	2.310	5.195	5
1. 3310.	1.240	2.344	2
1. 3316.	1.170	2.158	2
1. 3326.	1.820	3.889	3
1. 3341.	1.500	3.037	3
1. 3346.	1.370	2.690	2
1. 3366.	1.260	2.397	2
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	3.610	8.658	8
1. 3426.	3.770	9.084	9
1. 3467.	1.900	4.102	4
1. 3482.	1.250	2.371	2
1. 3583.	1.050	1.838	1
1. 3588.	1.910	4.129	4
1. 3543.	2.000	4.369	4
1. 3553.	1.660	3.463	3
1. 3573.	4.270	10.416	10
1. 3578.	1.000	1.705	1
1. 3588.	1.110	1.998	2
1. 3593.	4.350	10.629	10
1. 3606.	1.510	3.063	3
1. 3631.	1.340	2.611	2
1. 3636.	1.050	1.838	1
1. 3651.	2.890	6.740	6
1. 3701.	3.780	9.110	9
1. 3724.	-99.000	-99.000	-98
1. 3748.	2.000	4.369	4
1. 3773.	1.050	1.838	1
1. 3782.	1.760	3.729	3
1. 3792.	1.200	2.238	2
1. 3797.	1.720	3.623	3
1. 3807.	1.920	4.156	4
1. 3818.	2.110	4.662	4
1. 3849.	1.010	1.732	1
1. 3859.	2.780	6.447	6
1. 3860.	.900	1.438	1
1. 3869.	4.780	11.774	11
1. 3874.	2.830	6.580	6
1. 3888.	1.200	2.238	2
1. 3909.	1.290	2.477	2
1. 3925.	1.570	3.223	3
1. 3939.	1.290	2.477	2
1. 3998.	3.820	9.217	9
1. 4045.	4.590	11.268	11
2. 2655.	1.970	4.289	4
2. 2710.	1.550	3.170	3
2. 2761.	2.420	5.488	5
2. 3000.	.950	1.572	1
2. 3025.	3.610	8.658	8
2. 3050.	.400	.107	0
2. 3101.	3.910	9.457	9
2. 3303.	2.380	5.381	5
2. 3328.	3.200	7.565	7
2. 3378.	1.890	4.076	4
2. 3428.	4.220	10.282	10
2. 3478.	2.160	4.795	4
2. 3528.	4.070	9.883	9
2. 3896.	4.180	10.176	10

SAMPLE ID	X	TRANS	INT
2. 3922.	4.390	10.735	10
2. 3961.	4.000	9.696	9
2. 3971.	-99.000	-99.000	-98
3. 2434.	.990	1.678	1
3. 2444.	1.010	1.732	1
3. 2454.	3.490	8.338	8
3. 2463.	6.100	15.290	15
3. 2464.	.560	.533	0
3. 2474.	.890	1.412	1
3. 2494.	3.820	9.217	9
3. 2504.	2.830	6.580	6
3. 2514.	4.690	11.534	11
3. 2514.	4.700	11.561	11
3. 2524.	3.500	8.364	8
3. 2534.	2.680	6.180	6
3. 2545.	4.290	10.469	10
3. 2555.	4.070	9.883	9
3. 2565.	.970	1.625	1
3. 2565.	1.910	4.129	4
3. 2575.	.880	1.385	1
3. 2586.	4.820	11.881	11
3. 2588.	3.820	9.217	9
3. 2595.	.590	.613	0
3. 2607.	1.080	1.918	1
3. 2617.	4.310	10.522	10
3. 2617.	1.240	2.344	2
3. 2637.	3.910	9.457	9
3. 2646.	2.680	6.180	6
3. 2656.	1.260	2.397	2
3. 2666.	1.090	1.945	1
3. 2666.	.660	.799	0
3. 2676.	3.430	8.178	8
3. 2686.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2696.	1.450	2.904	2
3. 2705.	2.940	6.873	6
3. 2715.	4.220	10.282	10
3. 2725.	1.150	2.104	2
3. 2725.	-99.000	-99.000	-98
3. 2735.	-99.000	-99.000	-98
3. 2745.	.990	1.678	1
3. 2755.	3.880	9.377	9
3. 2763.	3.200	7.565	7
3. 2773.	5.690	14.198	14
3. 2784.	-99.000	-99.000	-98
3. 2784.	4.040	9.803	9
3. 2793.	-99.000	-99.000	-98
3. 2802.	-99.000	-99.000	-98
3. 2814.	1.010	1.732	1
3. 2822.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 2830.	1.000	1.705	1
3. 2842.	4.130	10.043	10
3. 2842.	.810	1.199	1
3. 2852.	4.150	10.096	10
3. 2862.	-99.000	-99.000	-98
3. 2872.	-99.000	-99.000	-98
3. 2881.	4.540	11.135	11
3. 2891.	1.010	1.732	1
3. 2901.	3.360	7.992	7
3. 2901.	4.020	9.750	9
3. 2911.	1.060	1.865	1
3. 2921.	.530	.453	0
3. 2931.	1.520	3.090	3
3. 2940.	1.060	1.865	1
3. 2950.	-99.000	-99.000	-98
3. 2960.	3.390	8.071	8
3. 2960.	3.060	7.192	7
3. 2970.	1.030	1.785	1
3. 2980.	3.730	8.977	8
3. 2990.	3.750	9.030	9
3. 2999.	4.250	10.362	10
3. 3009.	-99.000	-99.000	-98
3. 3019.	-99.000	-99.000	-98
3. 3019.	.950	1.572	1
3. 3029.	2.020	4.422	4
3. 3038.	4.100	9.963	9
3. 3049.	1.520	3.090	3
3. 3054.	1.330	2.584	2
3. 3069.	3.610	8.658	8
3. 3069.	4.770	11.748	11
3. 3079.	-99.000	-99.000	-98
3. 3089.	.790	1.145	1
3. 3099.	1.020	1.758	1
3. 3107.	2.240	5.008	5
3. 3117.	1.650	3.436	3
3. 3127.	2.680	6.180	6
3. 3137.	2.500	5.701	5
3. 3137.	3.020	7.086	7
3. 3146.	2.040	4.475	4
3. 3157.	3.080	7.246	7
3. 3166.	1.430	2.850	2
3. 3176.	3.360	7.992	7
3. 3186.	4.070	9.883	9
3. 3186.	-99.000	-99.000	-98
3. 3196.	2.450	5.567	5
3. 3196.	2.080	4.582	4
3. 3206.	1.070	1.891	1
3. 3216.	4.420	10.815	10
3. 3224.	3.440	8.205	8
3. 3234.	3.210	7.592	7

SAMPLE ID	X	TRANS	INT
3. 3244.	2.720	6.287	6
3. 3244.	2.020	4.422	4
3. 3254.	3.590	8.504	8
3. 3264.	2.660	6.127	6
3. 3274.	2.680	6.180	6
3. 3284.	1.460	2.930	2
3. 3294.	4.630	11.375	11
3. 3304.	1.030	1.785	1
3. 3304.	2.470	5.621	5
3. 3310.	-99.000	-99.000	-98
3. 3315.	1.670	3.490	3
3. 3325.	6.860	17.315	17
3. 3335.	2.300	5.168	5
3. 3345.	3.420	8.151	8
3. 3345.	-99.000	-99.000	-98
3. 3355.	.770	1.092	1
3. 3365.	1.700	3.570	3
3. 3375.	.660	.799	0
3. 3384.	1.160	2.131	2
3. 3394.	.610	.666	0
3. 3404.	1.010	1.732	1
3. 3404.	1.450	2.904	2
4. 4872.	11.520	29.729	29
4. 4882.	11.940	30.847	30
4. 4892.	8.350	21.284	21
4. 4902.	13.190	34.177	34
4. 4912.	8.900	22.749	22
4. 4922.	8.980	22.962	22
4. 4930.	6.160	15.450	15
4. 4940.	9.420	24.134	24
4. 4950.	5.930	14.838	14
4. 4960.	3.130	7.379	7
4. 4970.	2.530	5.781	5
4. 4980.	2.230	4.981	4
4. 5212.	3.330	7.912	7
4. 5222.	4.280	10.442	10
4. 5232.	3.520	8.418	8
4. 5242.	4.540	11.135	11
4. 5253.	7.310	18.514	18
4. 5263.	3.230	7.645	7
4. 5273.	2.530	5.781	5
4. 5283.	5.540	13.799	13
4. 5293.	5.560	13.852	13
4. 5303.	4.800	11.827	11
4. 5312.	8.310	21.178	21
4. 5322.	6.560	16.516	16
4. 5332.	2.760	6.393	6
4. 5342.	7.740	19.659	19
4. 5347.	7.180	18.167	18
4. 5357.	11.200	28.876	28

SAMPLE ID	X	TRANS	INT
4. 5362.	14.020	36.388	36
4. 5372.	16.690	43.501	43
4. 5382.	11.900	30.741	30
4. 5394.	3.890	9.403	9
4. 5404.	3.730	8.977	8
4. 5414.	21.520	56.367	56
4. 5424.	18.040	47.097	47
4. 5434.	3.160	7.459	7
4. 5444.	24.010	63.000	63
4. 5447.	15.760	41.023	41
4. 5457.	18.310	47.816	47
4. 5467.	12.970	33.591	33
5. 321.	13.620	35.323	35
5. 331.	13.820	35.855	35
5. 341.	11.860	30.634	30
5. 344.	15.000	38.999	39
5. 354.	14.370	37.321	37
5. 365.	11.870	30.661	30
5. 372.	9.390	24.055	24
5. 382.	11.450	29.542	29
5. 392.	9.450	24.214	24
5. 401.	13.970	36.255	36
5. 411.	8.980	22.962	22
5. 421.	11.120	28.663	28
5. 431.	2.120	4.688	4
5. 441.	5.950	14.891	14
5. 451.	5.500	13.692	13
5. 458.	10.120	25.999	26
5. 468.	8.600	21.950	21
5. 478.	9.820	25.200	25
5. 485.	8.090	20.592	20
5. 495.	8.510	21.710	21
5. 505.	8.350	21.284	21
5. 515.	8.710	22.243	22
5. 525.	8.350	21.284	21
5. 537.	9.000	23.016	23
5. 547.	9.600	21.950	21
5. 557.	8.870	22.669	22
5. 564.	10.210	26.239	26
5. 574.	2.520	5.754	5
5. 584.	3.600	8.631	8
5. 592.	8.600	21.950	21
5. 602.	8.780	22.430	22
6. 927.	8.060	20.512	20
6. 937.	4.690	11.534	11
6. 947.	7.510	19.047	19
6. 951.	7.860	19.979	19
6. 961.	5.320	13.213	13
6. 971.	9.620	24.667	24
6. 980.	5.510	13.719	13

SAMPLE ID	X	TRANS	INT
6. 990.	6.570	16.542	16
6. 1000.	7.870	20.005	20
6. 1010.	9.600	24.614	24
6. 1020.	5.620	14.012	14
6. 1030.	7.580	19.233	19
6. 1040.	7.550	19.153	19
6. 1050.	5.360	13.319	13
6. 1060.	2.740	6.340	6
6. 1070.	7.980	20.299	20
6. 1080.	7.070	17.874	17
6. 1090.	10.540	27.118	27
6. 1100.	6.090	15.264	15
6. 1110.	5.230	12.973	12
6. 1120.	4.610	11.321	11
6. 1130.	5.020	12.414	12
6. 1140.	5.890	14.731	14
7. 2183.	4.040	9.803	9
7. 2191.	4.640	11.401	11
7. 2220.	4.220	10.282	10
7. 2230.	3.490	8.338	8
7. 2239.	4.250	10.362	10
7. 2251.	5.000	12.360	12
7. 2259.	4.620	11.348	11
7. 2271.	3.390	8.071	8
7. 2281.	3.370	8.018	8
7. 2290.	2.520	5.754	5
7. 2300.	4.980	12.307	12
7. 2310.	4.980	12.307	12
7. 2319.	4.280	10.442	10
8. 2495.	7.330	18.567	18
8. 2505.	4.330	10.575	10
8. 2515.	4.300	10.496	10
8. 2528.	4.370	10.682	10
8. 2536.	3.110	7.326	7
8. 2547.	1.210	2.264	2
8. 2554.	4.670	11.481	11
8. 2565.	4.600	11.295	11
8. 2575.	4.410	10.789	10
8. 2585.	4.330	10.575	10
8. 2595.	2.340	5.274	5
9. 3494.	3.800	9.164	9
9. 3506.	2.380	5.381	5
9. 3516.	3.870	9.350	9
9. 3526.	4.300	10.496	10
9. 3536.	3.050	7.166	7
9. 3545.	3.250	7.699	7
9. 3555.	3.150	7.432	7
9. 3564.	3.600	8.631	8
9. 3575.	3.320	7.885	7
9. 3585.	3.700	8.897	8

SAMPLE ID	X	TRANS	INT.
9. 3593.	4.310	10.522	10
9. 3605.	4.000	9.696	9
9. 3606.	3.620	8.684	8
9. 3606.	4.440	10.868	10
9. 3616.	4.140	10.069	10
9. 3626.	3.210	7.592	7
9. 3634.	3.390	8.071	8
9. 3644.	3.920	9.483	9
9. 3644.	3.480	8.311	8
9. 3665.	3.090	7.272	7
9. 3675.	4.760	11.721	11
9. 3685.	3.370	8.018	8
9. 3695.	3.450	8.231	8
9. 3705.	2.500	5.701	5
9. 3711.	4.540	11.135	11
10. 2700.	5.620	14.012	14
10. 2710.	4.740	11.668	11
10. 2720.	3.370	8.018	8
10. 2730.	1.830	3.916	3
10. 2740.	4.730	11.641	11
10. 2750.	3.540	9.471	8
10. 2753.	6.010	15.051	15
10. 2763.	-99.000	-99.000	-98
10. 2773.	3.840	9.270	9
10. 2783.	5.050	12.493	12
10. 2793.	4.130	10.043	10
10. 2803.	4.580	11.241	11
10. 2811.	2.750	6.367	6
10. 2821.	1.810	3.863	3
10. 2841.	2.280	5.115	5
10. 2851.	6.410	16.116	16
10. 2861.	4.630	11.375	11
10. 2869.	-99.000	-99.000	-98
10. 2879.	3.260	7.725	7
10. 2889.	5.340	13.266	13
10. 2899.	6.190	15.530	15
10. 2909.	3.680	8.844	8
10. 2919.	1.170	2.158	2
10. 2927.	1.020	1.758	1
10. 2937.	4.880	12.041	12
10. 2947.	1.720	3.623	3
10. 2957.	1.020	1.758	1
10. 2967.	-99.000	-99.000	-98
10. 2977.	.910	1.465	1
10. 2985.	1.130	2.051	2
10. 2995.	.680	.852	0
10. 3005.	1.000	1.705	1
10. 3015.	.960	1.598	1
10. 3025.	.620	.693	0

SAMPLE ID		X	TRANS	INT
10.	3035.	.360	0.000	0
10.	3044.	1.110	1.998	2
10.	3054.	2.580	5.914	5
10.	3064.	2.570	5.887	5
10.	3074.	-99.000	-99.000	-98
10.	3084.	2.000	4.369	4
10.	3094.	6.180	15.504	15
10.	3102.	5.590	13.932	13
10.	3112.	7.240	18.327	18
10.	3122.	3.020	7.086	7
10.	3132.	4.600	11.295	11
10.	3144.	-99.000	-99.000	-98
10.	3152.	4.050	9.830	9
10.	3161.	1.990	4.342	4
10.	3171.	-99.000	-99.000	-98
10.	3181.	3.580	8.578	8
10.	3191.	4.690	11.534	11
10.	3201.	5.690	14.198	14
10.	3211.	6.310	15.850	15
10.	3220.	4.160	10.123	10
10.	3230.	6.460	16.249	16
10.	3240.	5.230	12.973	12
10.	3253.	5.810	14.518	14
10.	3262.	2.480	5.647	5
10.	3272.	1.120	2.025	2
10.	3282.	3.270	7.752	7
10.	3292.	3.370	8.018	8
10.	3302.	-99.000	-99.000	-98
10.	3311.	3.450	8.231	8
10.	3321.	6.430	16.170	16
10.	3331.	7.470	18.940	18
10.	3341.	-99.000	-99.000	-98
10.	3351.	4.630	11.375	11
10.	3361.	1.920	4.156	4
10.	3369.	4.280	10.442	10
10.	3380.	2.120	4.688	4
10.	3389.	-99.000	-99.000	-98
11.	3012.	8.410	21.444	21
11.	3022.	2.360	5.328	5
11.	3043.	3.600	8.631	8
11.	3051.	7.850	19.952	19
11.	3056.	7.210	18.247	18
11.	3063.	8.670	22.137	22
11.	3067.	1.350	2.637	2
11.	3074.	5.370	13.346	13
11.	3080.	3.140	7.405	7
11.	3080.	7.290	18.460	18
11.	3086.	10.110	25.973	25
11.	3094.	7.970	20.272	20
11.	3099.	3.320	7.885	7
11.	3106.	2.120	4.688	4

VARIABLE% CORREC PRS MAX% 2900.000 MIN% 525.000 F% .001

SAMPLE ID	X	TRANS	INT
1. 2746.	750.000	5.968	5
1. 2755.	970.000	11.804	11
1. 2782.	800.000	7.295	7
1. 2787.	770.000	6.499	6
1. 2797.	760.000	6.234	6
1. 2802.	740.000	5.703	5
1. 2827.	870.000	9.152	9
1. 2832.	725.000	5.305	5
1. 2837.	825.000	7.958	7
1. 2842.	740.000	5.703	5
1. 2852.	925.000	10.611	10
1. 2897.	750.000	5.968	5
1. 2927.	760.000	6.234	6
1. 2937.	-99.000	-99.000	-98
1. 2941.	725.000	5.305	5
1. 2947.	810.000	7.560	7
1. 2959.	740.000	5.703	5
1. 2964.	900.000	9.947	9
1. 2994.	730.000	5.438	5
1. 2999.	870.000	9.152	9
1. 3039.	730.000	5.438	5
1. 3064.	925.000	10.611	10
1. 3085.	750.000	5.968	5
1. 3090.	725.000	5.305	5
1. 3100.	875.000	9.284	9
1. 3181.	900.000	9.947	9
1. 3135.	725.000	5.305	5
1. 3140.	825.000	7.958	7
1. 3145.	925.000	10.611	10
1. 3150.	710.000	4.907	4
1. 3155.	750.000	5.968	5
1. 3165.	740.000	5.703	5
1. 3175.	1110.000	15.518	15
1. 3180.	1100.000	15.253	15
1. 3198.	1025.000	13.263	13
1. 3218.	810.000	7.560	7
1. 3228.	790.000	7.029	7
1. 3229.	1050.000	13.926	13
1. 3243.	750.000	5.968	5
1. 3248.	780.000	6.764	6
1. 3268.	775.000	6.632	6
1. 3276.	750.000	5.968	5
1. 3290.	725.000	5.305	5
1. 3310.	875.000	9.284	9
1. 3316.	740.000	5.703	5
1. 3326.	760.000	6.234	6
1. 3341.	875.000	9.284	9
1. 3346.	750.000	5.968	5
1. 3366.	725.000	5.305	5
1. 3381.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
1. 3396.	970.000	11.804	11
1. 3426.	930.000	10.743	10
1. 3467.	975.000	11.937	11
1. 3482.	750.000	5.968	5
1. 3503.	975.000	11.937	11
1. 3508.	950.000	11.274	11
1. 3543.	800.000	7.295	7
1. 3553.	860.000	8.886	8
1. 3573.	950.000	11.274	11
1. 3578.	725.000	5.305	5
1. 3588.	710.000	4.907	4
1. 3593.	752.000	6.021	6
1. 3606.	1000.000	12.600	12
1. 3631.	910.000	10.213	10
1. 3636.	950.000	11.274	11
1. 3651.	1000.000	12.600	12
1. 3701.	1060.000	14.192	14
1. 3724.	-99.000	-99.000	-98
1. 3748.	850.000	8.621	8
1. 3773.	760.000	6.234	6
1. 3782.	1000.000	12.600	12
1. 3792.	750.000	5.968	5
1. 3797.	750.000	5.968	5
1. 3807.	900.000	9.947	9
1. 3818.	725.000	5.305	5
1. 3849.	760.000	6.234	6
1. 3859.	1180.000	17.375	17
1. 3860.	1000.000	12.600	12
1. 3869.	1060.000	14.192	14
1. 3874.	875.000	9.284	9
1. 3888.	850.000	8.621	8
1. 3908.	760.000	6.234	6
1. 3925.	800.000	7.295	7
1. 3939.	750.000	5.968	5
1. 3998.	1020.000	13.131	13
1. 4045.	840.000	8.356	8
2. 2655.	740.000	5.703	5
2. 2710.	750.000	5.968	5
2. 2761.	740.000	5.703	5
2. 3000.	925.000	10.611	10
2. 3025.	920.000	10.478	10
2. 3050.	890.000	9.682	9
2. 3101.	1100.000	15.253	15
2. 3303.	750.000	5.968	5
2. 3328.	720.000	5.173	5
2. 3378.	830.000	8.091	8
2. 3428.	780.000	6.764	6
2. 3478.	845.000	8.488	8
2. 3523.	760.000	6.234	6
2. 3896.	990.000	12.335	12

SAMPLE ID	X	TRANS	INT
2. 3922.	750.000	5.968	5
2. 3961.	955.000	11.406	11
2. 3971.	775.000	6.632	6
3. 2434.	740.000	5.703	5
3. 2444.	1110.000	15.518	15
3. 2454.	940.000	11.008	11
3. 2463.	725.000	5.305	5
3. 2464.	1125.000	15.916	15
3. 2474.	770.000	6.499	6
3. 2494.	750.000	5.968	5
3. 2504.	725.000	5.305	5
3. 2514.	760.000	6.234	6
3. 2514.	740.000	5.703	5
3. 2524.	775.000	6.632	6
3. 2534.	700.000	4.642	4
3. 2545.	725.000	5.305	5
3. 2555.	725.000	5.305	5
3. 2565.	810.000	7.560	7
3. 2565.	725.000	5.305	5
3. 2575.	710.000	4.907	4
3. 2586.	800.000	7.295	7
3. 2588.	740.000	5.703	5
3. 2595.	760.000	6.234	6
3. 2607.	740.000	5.703	5
3. 2617.	-99.000	-99.000	-99
3. 2617.	750.000	5.968	5
3. 2637.	750.000	5.968	5
3. 2646.	750.000	5.968	5
3. 2656.	750.000	5.968	5
3. 2666.	760.000	6.234	6
3. 2666.	710.000	4.907	4
3. 2676.	750.000	5.968	5
3. 2686.	725.000	5.305	5
3. 2686.	740.000	5.703	5
3. 2696.	740.000	5.703	5
3. 2705.	725.000	5.305	5
3. 2715.	725.000	5.305	5
3. 2725.	725.000	5.305	5
3. 2725.	725.000	5.305	5
3. 2735.	725.000	5.305	5
3. 2745.	740.000	5.703	5
3. 2755.	725.000	5.305	5
3. 2763.	725.000	5.305	5
3. 2773.	750.000	5.968	5
3. 2784.	725.000	5.305	5
3. 2784.	725.000	5.305	5
3. 2793.	720.000	5.173	5
3. 2802.	760.000	6.234	6
3. 2814.	750.000	5.968	5
3. 2822.	760.000	6.234	6

SAMPLE ID	X	TRANS	INT
3. 2830.	760.000	6.234	6
3. 2842.	760.000	6.234	6
3. 2842.	760.000	6.234	6
3. 2852.	750.000	5.968	5
3. 2862.	725.000	5.305	5
3. 2872.	735.000	5.571	5
3. 2881.	875.000	9.284	9
3. 2891.	775.000	6.632	6
3. 2901.	750.000	5.968	5
3. 2901.	775.000	6.632	6
3. 2911.	820.000	7.825	7
3. 2921.	730.000	5.438	5
3. 2931.	810.000	7.560	7
3. 2940.	760.000	6.234	6
3. 2950.	725.000	5.305	5
3. 2960.	950.000	11.274	11
3. 2960.	840.000	8.356	8
3. 2970.	825.000	7.958	7
3. 2980.	725.000	5.305	5
3. 2990.	760.000	6.234	6
3. 2999.	750.000	5.968	5
3. 3009.	725.000	5.305	5
3. 3019.	725.000	5.305	5
3. 3019.	725.000	5.305	5
3. 3029.	725.000	5.305	5
3. 3038.	750.000	5.968	5
3. 3049.	740.000	5.703	5
3. 3054.	745.000	5.836	5
3. 3069.	1470.000	25.067	25
3. 3069.	900.000	9.947	9
3. 3079.	750.000	5.968	5
3. 3089.	1225.000	18.568	18
3. 3099.	850.000	8.621	8
3. 3107.	975.000	11.937	11
3. 3117.	740.000	5.703	5
3. 3127.	700.000	4.642	4
3. 3137.	730.000	5.438	5
3. 3137.	715.000	5.040	5
3. 3146.	775.000	6.632	6
3. 3157.	725.000	5.305	5
3. 3166.	760.000	6.234	6
3. 3176.	725.000	5.305	5
3. 3186.	750.000	5.968	5
3. 3186.	800.000	7.295	7
3. 3196.	725.000	5.305	5
3. 3196.	730.000	5.438	5
3. 3206.	725.000	5.305	5
3. 3216.	810.000	7.560	7
3. 3224.	1200.000	17.905	17
3. 3234.	750.000	5.968	5

SAMPLE ID	X	TRANS	INT
3. 3244.	720.000	5.173	5
3. 3244.	740.000	5.703	5
3. 3254.	840.000	8.356	8
3. 3264.	930.000	10.743	10
3. 3274.	760.000	6.234	6
3. 3284.	730.000	5.438	5
3. 3294.	730.000	5.438	5
3. 3304.	660.000	3.581	3
3. 3304.	730.000	5.438	5
3. 3310.	-99.000	-99.000	-98
3. 3315.	725.000	5.305	5
3. 3325.	840.000	8.356	8
3. 3335.	810.000	7.560	7
3. 3345.	750.000	5.968	5
3. 3345.	760.000	6.234	6
3. 3355.	950.000	11.274	11
3. 3365.	800.000	7.295	7
3. 3375.	840.000	8.356	8
3. 3384.	1025.000	13.263	13
3. 3394.	850.000	8.621	8
3. 3404.	850.000	8.621	8
3. 3404.	740.000	5.703	5
4. 4872.	2100.000	41.779	41
4. 4882.	2015.000	39.524	39
4. 4892.	1907.000	36.659	36
4. 4902.	1450.000	24.537	24
4. 4912.	2170.000	43.636	43
4. 4922.	1795.000	33.688	33
4. 4930.	1460.000	24.802	24
4. 4940.	1613.000	28.861	28
4. 4950.	1220.000	18.436	18
4. 4960.	1000.000	12.600	12
4. 4970.	710.000	4.907	4
4. 4980.	760.000	6.234	6
4. 5212.	1050.000	13.926	13
4. 5222.	1075.000	14.589	14
4. 5232.	1975.000	38.463	38
4. 5242.	1475.000	25.200	25
4. 5253.	1558.000	27.402	27
4. 5263.	1640.000	29.577	29
4. 5273.	750.000	5.968	5
4. 5283.	800.000	7.295	7
4. 5293.	925.000	10.611	10
4. 5303.	2900.000	63.000	63
4. 5312.	1250.000	19.232	19
4. 5322.	1770.000	33.025	33
4. 5332.	870.000	9.152	9
4. 5342.	1225.000	18.568	18
4. 5347.	1740.000	32.229	32
4. 5357.	1150.000	16.579	16

SAMPLE ID	X	TRANS	INT
4. 5362.	1150.000	16.579	16
4. 5372.	975.000	11.937	11
4. 5382.	1000.000	12.600	12
4. 5394.	1075.000	14.589	14
4. 5404.	850.000	8.621	8
4. 5414.	1490.000	25.598	25
4. 5424.	2600.000	55.042	55
4. 5434.	1125.000	15.916	15
4. 5444.	1125.000	15.916	15
4. 5447.	2337.000	48.066	48
4. 5457.	975.000	11.937	11
4. 5467.	1075.000	14.589	14
5. 321.	625.000	2.653	2
5. 331.	525.000	0.000	0
5. 341.	575.000	1.326	1
5. 344.	620.000	2.520	2
5. 354.	530.000	.133	0
5. 365.	600.000	1.989	1
5. 372.	560.000	.928	0
5. 382.	575.000	1.326	1
5. 392.	640.000	3.051	3
5. 401.	660.000	3.581	3
5. 411.	610.000	2.255	2
5. 421.	600.000	1.989	1
5. 431.	600.000	1.989	1
5. 441.	600.000	1.989	1
5. 451.	610.000	2.255	2
5. 458.	610.000	2.255	2
5. 468.	660.000	3.581	3
5. 478.	-99.000	-99.000	-98
5. 485.	600.000	1.989	1
5. 495.	640.000	3.051	3
5. 505.	620.000	2.520	2
5. 515.	600.000	1.989	1
5. 525.	600.000	1.989	1
5. 537.	700.000	4.642	4
5. 547.	550.000	.663	0
5. 557.	590.000	1.724	1
5. 564.	600.000	1.989	1
5. 574.	600.000	1.989	1
5. 584.	650.000	3.316	3
5. 592.	600.000	1.989	1
5. 602.	590.000	1.724	1
6. 927.	550.000	.663	0
6. 937.	550.000	.663	0
6. 947.	700.000	4.642	4
6. 951.	590.000	1.724	1
6. 961.	580.000	1.459	1
6. 971.	580.000	1.459	1
6. 980.	625.000	2.653	2

SAMPLE ID	X	TRANS	INT
6. 990.	600.000	1.989	1
6. 1000.	625.000	2.653	2
6. 1010.	600.000	1.989	1
6. 1020.	580.000	1.459	1
6. 1030.	550.000	.663	0
6. 1040.	600.000	1.989	1
6. 1050.	600.000	1.989	1
6. 1060.	650.000	3.316	3
6. 1070.	600.000	1.989	1
6. 1080.	600.000	1.989	1
6. 1090.	650.000	3.316	3
6. 1100.	650.000	3.316	3
6. 1110.	625.000	2.653	2
6. 1120.	600.000	1.989	1
6. 1130.	625.000	2.653	2
6. 1140.	675.000	3.979	3
7. 2183.	800.000	7.295	7
7. 2191.	2150.000	43.105	43
7. 2220.	1100.000	15.253	15
7. 2230.	1000.000	12.600	12
7. 2239.	1750.000	32.495	32
7. 2251.	850.000	9.621	8
7. 2259.	2100.000	41.779	41
7. 2271.	1370.000	22.415	22
7. 2281.	1690.000	30.903	30
7. 2290.	1200.000	17.905	17
7. 2300.	1225.000	18.568	18
7. 2310.	1250.000	19.232	19
7. 2319.	860.000	8.886	8
8. 2496.	900.000	9.947	9
8. 2505.	1345.000	21.752	21
8. 2515.	1900.000	36.474	36
8. 2528.	2104.000	41.885	41
8. 2536.	1770.000	33.025	33
8. 2547.	1700.000	31.168	31
8. 2554.	1900.000	36.474	36
8. 2565.	1390.000	22.945	22
8. 2575.	1970.000	38.331	38
8. 2585.	1340.000	21.619	21
8. 2595.	2030.000	39.922	39
9. 3494.	-99.000	-99.000	-98
9. 3506.	925.000	10.611	10
9. 3516.	775.000	6.632	6
9. 3526.	740.000	5.703	5
9. 3536.	750.000	5.968	5
9. 3545.	750.000	5.968	5
9. 3555.	780.000	6.764	6
9. 3564.	740.000	5.703	5
9. 3575.	875.000	9.284	9
9. 3585.	745.000	5.836	5

SAMPLE ID	X	TRANS	INT
9. 3593.	950.000	11.274	11
9. 3605.	750.000	5.968	5
9. 3606.	740.000	5.703	5
9. 3606.	930.000	10.743	10
9. 3616.	1050.000	13.926	13
9. 3626.	775.000	6.632	6
9. 3634.	750.000	5.968	5
9. 3644.	1120.000	15.783	15
9. 3644.	825.000	7.958	7
9. 3665.	2165.000	43.503	43
9. 3675.	760.000	5.234	6
9. 3685.	1300.000	20.558	20
9. 3695.	1745.000	32.362	32
9. 3705.	730.000	5.438	5
9. 3711.	860.000	8.886	8
10. 2700.	820.000	7.825	7
10. 2710.	800.000	7.295	7
10. 2720.	850.000	8.621	8
10. 2730.	790.000	7.029	7
10. 2740.	730.000	5.438	5
10. 2750.	820.000	7.825	7
10. 2753.	780.000	6.764	6
10. 2763.	-99.000	-99.000	-98
10. 2773.	800.000	7.295	7
10. 2783.	780.000	6.764	6
10. 2793.	800.000	7.295	7
10. 2803.	850.000	8.621	8
10. 2811.	975.000	11.937	11
10. 2821.	1060.000	14.192	14
10. 2841.	920.000	10.478	10
10. 2851.	800.000	7.295	7
10. 2861.	750.000	5.968	5
10. 2869.	-99.000	-99.000	-98
10. 2879.	750.000	5.968	5
10. 2889.	900.000	9.947	9
10. 2899.	900.000	9.947	9
10. 2909.	950.000	11.274	11
10. 2919.	950.000	11.274	11
10. 2927.	725.000	5.305	5
10. 2937.	1000.000	12.600	12
10. 2947.	1100.000	15.253	15
10. 2957.	1150.000	16.579	16
10. 2967.	-99.000	-99.000	-98
10. 2977.	1050.000	13.926	13
10. 2985.	900.000	9.947	9
10. 2995.	1025.000	13.263	13
10. 3005.	1100.000	15.253	15
10. 3015.	950.000	11.274	11
10. 3025.	1010.000	12.865	12

SAMPLE ID	X	TRANS	INT
10. 3035.	925.000	10.611	10
10. 3044.	800.000	7.295	7
10. 3054.	800.000	7.295	7
10. 3064.	725.000	5.305	5
10. 3074.	-99.000	-99.000	-98
10. 3084.	725.000	5.305	5
10. 3094.	775.000	6.632	6
10. 3102.	760.000	6.234	6
10. 3112.	725.000	5.305	5
10. 3122.	1050.000	13.926	13
10. 3132.	750.000	5.968	5
10. 3144.	-99.000	-99.000	-98
10. 3152.	1690.000	30.903	30
10. 3161.	790.000	7.029	7
10. 3171.	-99.000	-99.000	-98
10. 3181.	760.000	6.234	6
10. 3191.	920.000	10.478	10
10. 3201.	760.000	6.234	6
10. 3211.	750.000	5.968	5
10. 3220.	750.000	5.968	5
10. 3230.	750.000	5.968	5
10. 3240.	750.000	5.968	5
10. 3253.	820.000	7.825	7
10. 3262.	880.000	9.417	9
10. 3272.	980.000	12.000	12
10. 3282.	1010.000	12.865	12
10. 3292.	900.000	9.947	9
10. 3302.	-99.000	-99.000	-98
10. 3311.	1460.000	24.802	24
10. 3321.	1600.000	28.516	28
10. 3331.	2025.000	39.789	39
10. 3341.	-99.000	-99.000	-98
10. 3351.	1330.000	21.354	21
10. 3361.	1125.000	15.916	15
10. 3369.	1325.000	21.221	21
10. 3380.	1400.000	23.211	23
10. 3389.	-99.000	-99.000	-98
11. 3012.	750.000	5.968	5
11. 3022.	750.000	5.968	5
11. 3043.	825.000	7.958	7
11. 3051.	750.000	5.968	5
11. 3056.	750.000	5.968	5
11. 3063.	925.000	10.611	10
11. 3067.	833.000	8.170	8
11. 3074.	900.000	9.947	9
11. 3080.	775.000	6.632	6
11. 3090.	950.000	11.274	11
11. 3086.	750.000	5.968	5
11. 3094.	800.000	7.295	7
11. 3099.	750.000	5.968	5
11. 3106.	750.000	5.968	5

VARIABLE% HC GAS MAX% 99.960 MIN% 0.000 F% .630

SAMPLE ID	X	TRANS	INT
1. 2746.	99.960	63.000	63
1. 2755.	34.590	21.800	21
1. 2782.	23.160	14.597	14
1. 2787.	34.710	21.876	21
1. 2797.	12.180	7.676	7
1. 2802.	10.950	6.901	6
1. 2827.	18.290	11.527	11
1. 2832.	46.060	29.029	29
1. 2837.	22.930	14.452	14
1. 2842.	21.100	13.298	13
1. 2852.	48.070	30.296	30
1. 2897.	6.650	4.191	4
1. 2927.	58.700	36.996	37
1. 2937.	0.000	0.000	0
1. 2941.	44.890	28.292	28
1. 2947.	63.440	39.983	39
1. 2959.	4.170	2.628	2
1. 2964.	33.930	21.384	21
1. 2994.	18.300	11.534	11
1. 2999.	47.450	29.905	29
1. 3039.	2.720	1.714	1
1. 3064.	27.020	17.029	17
1. 3085.	35.680	22.487	22
1. 3090.	22.410	14.124	14
1. 3100.	18.030	11.363	11
1. 3181.	22.940	14.458	14
1. 3135.	19.540	12.315	12
1. 3140.	23.240	14.647	14
1. 3145.	62.740	39.542	39
1. 3150.	30.840	19.437	19
1. 3155.	8.490	5.351	5
1. 3165.	3.400	2.143	2
1. 3175.	41.860	26.382	26
1. 3180.	40.560	25.563	25
1. 3198.	65.750	41.439	41
1. 3218.	19.390	12.221	12
1. 3228.	15.280	9.630	9
1. 3229.	39.220	24.718	24
1. 3243.	39.480	24.682	24
1. 3248.	29.890	18.838	18
1. 3268.	39.370	24.813	24
1. 3276.	6.130	3.863	3
1. 3290.	15.590	9.826	9
1. 3310.	32.180	20.282	20
1. 3316.	14.660	9.239	9
1. 3326.	30.610	19.292	19
1. 3341.	74.690	47.074	47
1. 3346.	69.030	43.506	43
1. 3366.	43.740	27.567	27
1. 3381.	0.000	0.000	0

SAMPLE ID	X	TRANS	INT
1. 3396.	39.400	24.202	24
1. 3426.	89.890	56.653	56
1. 3467.	40.270	25.380	25
1. 3482.	42.190	26.590	26
1. 3583.	95.340	60.088	60
1. 3588.	88.570	55.821	55
1. 3543.	39.390	24.826	24
1. 3557.	94.470	59.540	59
1. 3573.	89.360	56.319	56
1. 3578.	79.580	50.155	50
1. 3588.	25.410	16.015	16
1. 3593.	49.380	31.122	31
1. 3606.	92.260	58.147	58
1. 3631.	97.960	61.739	61
1. 3636.	96.120	60.580	60
1. 3651.	88.250	55.620	55
1. 3701.	84.440	53.218	53
1. 3724.	-99.000	-99.000	-98
1. 3748.	64.400	40.588	40
1. 3773.	36.500	23.004	23
1. 3782.	34.570	21.788	21
1. 3792.	8.130	5.124	5
1. 3797.	.440	.277	0
1. 3807.	64.540	40.676	40
1. 3818.	8.000	5.042	5
1. 3849.	6.500	4.097	4
1. 3859.	66.130	41.679	41
1. 3860.	35.970	22.670	22
1. 3869.	92.200	58.109	58
1. 3874.	23.030	14.515	14
1. 3888.	26.130	16.468	16
1. 3908.	57.470	36.221	36
1. 3925.	73.460	46.298	46
1. 3939.	41.050	25.872	25
1. 3998.	62.590	39.447	39
1. 4045.	95.860	60.416	60
2. 2655.	9.560	6.025	6
2. 2710.	13.900	8.761	8
2. 2761.	15.590	9.826	9
2. 3000.	31.810	20.048	20
2. 3025.	32.140	20.256	20
2. 3050.	27.720	17.471	17
2. 3101.	42.400	26.723	26
2. 3303.	27.340	17.231	17
2. 3328.	34.180	21.542	21
2. 3378.	86.120	54.277	54
2. 3428.	66.610	41.981	41
2. 3478.	21.400	13.487	13
2. 3528.	87.120	54.908	54
2. 3896.	71.040	44.773	44

SAMPLE ID	X	TRANS	INT
2. 3922.	85.010	53.578	53
2. 3961.	95.860	60.416	60
2. 3971.	90.770	57.208	57
3. 2434.	47.640	30.025	30
3. 2444.	40.500	25.525	25
3. 2454.	29.810	18.788	18
3. 2463.	2.060	1.298	1
3. 2464.	38.790	24.447	24
3. 2474.	43.110	27.170	27
3. 2494.	28.280	17.824	17
3. 2504.	32.240	20.319	20
3. 2514.	12.080	7.613	7
3. 2514.	0.000	0.000	0
3. 2524.	8.360	5.269	5
3. 2534.	3.060	1.929	1
3. 2545.	2.660	1.676	1
3. 2555.	.800	.504	0
3. 2565.	21.370	13.468	13
3. 2565.	4.240	2.672	2
3. 2575.	6.120	3.857	3
3. 2586.	1.980	1.248	1
3. 2588.	.480	.303	0
3. 2595.	.340	.214	0
3. 2607.	8.080	5.092	5
3. 2617.	0.000	0.000	0
3. 2617.	.300	.189	0
3. 2637.	.400	.252	0
3. 2646.	.390	.246	0
3. 2656.	19.930	12.561	12
3. 2666.	24.720	15.580	15
3. 2666.	18.150	11.433	11
3. 2676.	12.630	7.960	7
3. 2686.	15.710	9.901	9
3. 2686.	8.070	5.086	5
3. 2696.	9.500	5.987	5
3. 2705.	9.950	6.271	6
3. 2715.	1.900	1.197	1
3. 2725.	3.670	2.313	2
3. 2725.	2.010	1.267	1
3. 2735.	4.200	2.647	2
3. 2745.	16.420	10.349	10
3. 2755.	1.590	1.002	1
3. 2763.	2.120	1.336	1
3. 2773.	4.660	2.937	2
3. 2784.	5.790	3.649	3
3. 2784.	7.360	4.639	4
3. 2793.	1.350	.851	0
3. 2802.	2.610	1.645	1
3. 2814.	1.880	1.185	1
3. 2822.	2.000	1.261	1

SAMPLE ID	X	TRANS	INT
3. 2830.	1.170	.737	0
3. 2842.	1.250	.788	0
3. 2842.	1.410	.889	0
3. 2852.	6.020	3.794	3
3. 2862.	22.800	14.370	14
3. 2872.	8.960	5.647	5
3. 2881.	21.060	13.273	13
3. 2891.	4.660	2.937	2
3. 2901.	15.010	9.460	9
3. 2901.	5.530	3.485	3
3. 2911.	15.350	9.674	9
3. 2921.	8.430	5.313	5
3. 2931.	12.440	7.840	7
3. 2940.	43.330	27.309	27
3. 2950.	8.790	5.540	5
3. 2960.	45.170	28.468	28
3. 2960.	40.250	25.368	25
3. 2970.	37.660	23.735	23
3. 2980.	13.490	8.502	8
3. 2990.	32.070	20.212	20
3. 2999.	6.930	4.368	4
3. 3009.	36.150	22.784	22
3. 3019.	7.380	4.651	4
3. 3019.	7.070	4.456	4
3. 3029.	2.850	1.796	1
3. 3038.	27.740	17.483	17
3. 3049.	69.700	43.929	43
3. 3054.	58.000	36.555	36
3. 3069.	53.960	34.008	34
3. 3069.	39.060	24.618	24
3. 3079.	70.710	44.565	44
3. 3089.	42.960	27.076	27
3. 3099.	64.260	40.500	40
3. 3107.	28.440	17.924	17
3. 3117.	1.510	.952	0
3. 3127.	8.080	5.092	5
3. 3137.	10.040	6.328	6
3. 3137.	2.500	1.576	1
3. 3146.	6.920	4.361	4
3. 3157.	12.880	8.118	8
3. 3166.	1.780	1.122	1
3. 3176.	3.700	2.332	2
3. 3186.	15.760	9.933	9
3. 3186.	9.660	6.000	6
3. 3196.	.930	.586	0
3. 3196.	7.000	4.412	4
3. 3206.	3.710	2.338	2
3. 3216.	9.570	6.032	6
3. 3224.	41.050	25.872	25
3. 3234.	2.600	1.639	1

SAMPLE ID	X	TRANS	INT
3. 3244.	2.300	1.450	1
3. 3244.	.770	.485	0
3. 3254.	13.260	8.357	8
3. 3264.	28.170	17.754	17
3. 3274.	8.360	5.269	5
3. 3284.	6.440	4.059	4
3. 3294.	0.000	0.000	0
3. 3304.	2.790	1.758	1
3. 3304.	1.450	.914	0
3. 3310.	0.000	0.000	0
3. 3315.	13.990	8.817	8
3. 3325.	30.620	19.298	19
3. 3335.	17.490	11.023	11
3. 3345.	8.350	5.263	5
3. 3345.	12.820	8.080	8
3. 3355.	32.640	20.571	20
3. 3365.	41.730	26.300	26
3. 3375.	57.870	36.473	36
3. 3384.	26.590	16.758	16
3. 3394.	49.080	30.933	30
3. 3404.	31.390	19.784	19
3. 3404.	.400	.252	0
4. 4872.	71.820	45.265	45
4. 4882.	68.890	43.418	43
4. 4892.	72.140	45.466	45
4. 4902.	71.980	45.366	45
4. 4912.	73.830	46.532	46
4. 4922.	65.660	41.382	41
4. 4930.	55.520	34.992	34
4. 4940.	58.450	36.838	36
4. 4950.	49.210	31.015	31
4. 4960.	46.210	29.124	29
4. 4970.	2.730	1.721	1
4. 4980.	27.670	17.439	17
4. 5212.	45.800	28.866	28
4. 5222.	43.910	27.674	27
4. 5232.	69.680	43.916	43
4. 5242.	63.010	39.712	39
4. 5253.	64.050	40.368	40
4. 5263.	63.090	39.763	39
4. 5273.	67.400	42.479	42
4. 5283.	77.720	48.983	48
4. 5293.	81.970	51.662	51
4. 5303.	82.720	52.134	52
4. 5312.	54.300	34.223	34
4. 5322.	67.470	42.523	42
4. 5332.	23.170	14.603	14
4. 5342.	79.510	50.111	50
4. 5347.	65.080	41.017	41
4. 5357.	77.160	48.630	48

SAMPLE ID	X	TRANS	INT
4. 5362.	82.500	51.996	52
4. 5372.	87.500	55.147	55
4. 5382.	73.910	46.582	46
4. 5394.	39.030	24.599	24
4. 5404.	58.200	35.681	36
4. 5414.	69.470	43.784	43
4. 5424.	75.970	47.880	47
4. 5434.	61.680	38.874	38
4. 5444.	79.350	50.011	50
4. 5447.	75.640	47.672	47
4. 5457.	61.760	38.924	38
4. 5467.	88.450	55.745	55
5. 321.	.520	.328	0
5. 331.	.390	.246	0
5. 341.	.660	.416	0
5. 344.	.380	.239	0
5. 354.	.860	.542	0
5. 365.	.810	.511	0
5. 372.	.750	.473	0
5. 382.	.280	.176	0
5. 392.	.880	.555	0
5. 401.	1.230	.775	0
5. 411.	1.050	.662	0
5. 421.	1.390	.876	0
5. 431.	2.090	1.317	1
5. 441.	1.500	.945	0
5. 451.	3.710	2.338	2
5. 458.	2.720	1.714	1
5. 468.	1.160	.731	0
5. 478.	-99.000	-99.000	-98
5. 485.	1.630	1.027	1
5. 495.	1.130	.712	0
5. 505.	3.160	1.992	1
5. 515.	1.120	.706	0
5. 525.	2.980	1.878	1
5. 537.	2.710	1.708	1
5. 547.	1.660	1.046	1
5. 557.	2.590	1.632	1
5. 564.	2.180	1.374	1
5. 574.	1.480	.933	0
5. 584.	.430	.271	0
5. 592.	.720	.454	0
5. 602.	.630	.397	0
6. 927.	.930	.586	0
6. 937.	.550	.347	0
6. 947.	.460	.290	0
6. 951.	.580	.366	0
6. 961.	.430	.271	0
6. 971.	1.770	1.116	1
6. 980.	.280	.176	0

SAMPLE ID		X	TRANS	INT
6.	990.	1.020	.643	0
6.	1000.	1.350	.851	0
6.	1010.	1.190	.744	0
6.	1020.	1.720	1.084	1
6.	1030.	2.350	1.481	1
6.	1040.	1.440	.908	0
6.	1050.	1.110	.700	0
6.	1060.	1.510	.952	0
6.	1070.	4.010	2.527	2
6.	1080.	4.910	3.095	3
6.	1090.	4.130	2.603	2
6.	1100.	1.260	.794	0
6.	1110.	2.470	1.557	1
6.	1120.	.840	.529	0
6.	1130.	.510	.321	0
6.	1140.	.230	.145	0
7.	2183.	88.870	56.011	56
7.	2191.	72.800	45.882	45
7.	2220.	39.720	25.034	25
7.	2230.	29.460	18.567	18
7.	2239.	62.730	39.536	39
7.	2251.	27.720	17.471	17
7.	2259.	73.990	46.626	46
7.	2271.	55.600	35.042	35
7.	2281.	62.100	39.139	39
7.	2290.	45.240	28.513	28
7.	2300.	45.370	28.595	28
7.	2310.	48.520	30.580	30
7.	2319.	74.020	46.651	46
8.	2495.	31.960	20.143	20
8.	2505.	70.230	44.263	44
8.	2515.	62.960	39.681	39
8.	2528.	63.190	39.826	39
8.	2536.	58.520	36.882	36
8.	2547.	67.530	42.561	42
8.	2554.	68.810	43.368	43
8.	2565.	60.130	37.897	37
8.	2575.	67.410	42.485	42
8.	2585.	48.300	30.441	30
8.	2595.	67.600	42.605	42
9.	3494.	0.000	0.000	0
9.	3506.	80.610	50.805	50
9.	3516.	84.620	53.332	53
9.	3526.	90.410	56.901	56
9.	3536.	43.130	27.183	27
9.	3545.	48.960	30.857	30
9.	3555.	75.270	47.439	47
9.	3564.	90.100	56.786	56
9.	3575.	83.650	52.721	52
9.	3585.	49.710	31.330	31

SAMPLE ID	X	TRANS	INT
9. 3593.	47.970	30.233	30
9. 3605.	86.100	54.265	54
9. 3606.	72.510	45.700	45
9. 3606.	38.560	24.303	24
9. 3616.	51.250	32.300	32
9. 3626.	60.360	38.042	38
9. 3634.	64.530	40.670	40
9. 3644.	43.700	27.542	27
9. 3644.	20.480	12.908	12
9. 3665.	83.380	52.550	52
9. 3675.	90.820	57.239	57
9. 3685.	78.520	49.407	49
9. 3695.	64.730	40.796	40
9. 3705.	24.370	15.359	15
9. 3711.	26.460	16.676	16
10. 2700.	10.250	6.460	6
10. 2710.	5.820	3.668	3
10. 2720.	13.100	8.256	8
10. 2730.	4.490	2.830	2
10. 2740.	12.950	8.162	8
10. 2750.	8.880	5.597	5
10. 2753.	6.960	4.387	4
10. 2763.	0.000	0.000	0
10. 2773.	7.290	4.595	4
10. 2783.	4.480	2.824	2
10. 2793.	5.640	3.555	3
10. 2803.	10.400	6.555	6
10. 2811.	25.900	16.324	16
10. 2821.	30.810	19.418	19
10. 2841.	20.320	12.807	12
10. 2851.	6.640	4.185	4
10. 2861.	10.200	6.429	6
10. 2869.	0.000	0.000	0
10. 2879.	3.010	1.897	1
10. 2889.	13.830	8.716	8
10. 2899.	14.880	9.378	9
10. 2909.	17.370	10.947	10
10. 2919.	18.910	11.918	11
10. 2927.	30.940	19.500	19
10. 2937.	27.090	17.074	17
10. 2947.	36.730	23.149	23
10. 2957.	37.770	23.805	23
10. 2967.	0.000	0.000	0
10. 2977.	34.280	21.605	21
10. 2985.	15.900	10.021	10
10. 2995.	31.070	19.582	19
10. 3005.	34.590	21.800	21
10. 3015.	17.580	11.080	11
10. 3025.	26.810	16.897	16

SAMPLE ID	X	TRANS	INT
10. 3035.	24.670	15.548	15
10. 3044.	3.060	1.929	1
10. 3054.	4.970	3.132	3
10. 3064.	.150	.095	0
10. 3074.	0.000	0.000	0
10. 3084.	13.320	8.395	8
10. 3094.	4.120	2.597	2
10. 3102.	2.050	1.292	1
10. 3112.	6.570	4.141	4
10. 3122.	37.500	23.634	23
10. 3132.	3.520	2.218	2
10. 3144.	0.000	0.000	0
10. 3152.	57.190	36.044	36
10. 3161.	2.790	1.758	1
10. 3171.	0.000	0.000	0
10. 3181.	6.020	3.794	3
10. 3191.	22.880	14.420	14
10. 3201.	3.070	1.935	1
10. 3211.	2.400	1.513	1
10. 3220.	9.180	5.786	5
10. 3230.	3.620	2.282	2
10. 3240.	13.440	8.471	8
10. 3253.	18.170	11.452	11
10. 3262.	20.340	12.819	12
10. 3272.	25.220	15.895	15
10. 3282.	31.740	20.004	20
10. 3292.	20.090	12.662	12
10. 3302.	0.000	0.000	0
10. 3311.	56.480	35.597	35
10. 3321.	54.330	34.242	34
10. 3331.	66.600	41.975	41
10. 3341.	0.000	0.000	0
10. 3351.	44.870	28.279	28
10. 3361.	33.260	20.962	20
10. 3369.	47.680	30.050	30
10. 3380.	54.160	34.134	34
10. 3389.	0.000	0.000	0
11. 3012.	3.770	2.376	2
11. 3022.	14.610	9.208	9
11. 3043.	6.470	4.078	4
11. 3051.	2.940	1.853	1
11. 3056.	9.280	5.843	5
11. 3063.	13.780	8.685	8
11. 3067.	7.240	4.563	4
11. 3079.	16.470	10.380	10
11. 3080.	7.470	4.700	4
11. 3080.	19.450	11.616	11
11. 3086.	36.260	22.790	22
11. 3094.	5.790	3.049	3
11. 3099.	13.960	8.798	8
11. 3100.	5.280	3.328	3

VARIABLE% GAS/SH VOL MAX% 3.270 MIN% 0.000 F% 19.000

SAMPLE ID	X	TRANS	INT
1. 2746.	.230	4.431	4
1. 2755.	.100	1.927	1
1. 2782.	.080	1.541	1
1. 2787.	.100	1.927	1
1. 2797.	.040	.771	0
1. 2802.	.020	.385	0
1. 2827.	.080	1.541	1
1. 2832.	.080	1.541	1
1. 2837.	.060	1.156	1
1. 2842.	.070	1.349	1
1. 2852.	.160	3.083	3
1. 2897.	.010	.193	0
1. 2927.	.030	.578	0
1. 2937.	0.000	0.000	0
1. 2941.	.190	3.661	3
1. 2947.	.220	4.239	4
1. 2959.	.020	.385	0
1. 2964.	.190	3.661	3
1. 2994.	.080	1.541	1
1. 2999.	.220	4.239	4
1. 3039.	.010	.193	0
1. 3064.	.110	2.119	2
1. 3085.	.280	5.394	5
1. 3090.	.070	1.349	1
1. 3100.	.270	5.202	5
1. 3181.	.310	5.972	5
1. 3135.	.220	4.239	4
1. 3140.	.180	3.468	3
1. 3145.	.250	4.817	4
1. 3150.	.140	2.697	2
1. 3155.	.040	.771	0
1. 3165.	.010	.193	0
1. 3175.	.130	2.505	2
1. 3180.	.180	3.468	3
1. 3198.	.220	4.239	4
1. 3218.	.350	6.743	6
1. 3228.	.120	2.312	2
1. 3229.	.240	4.624	4
1. 3243.	.170	3.275	3
1. 3248.	.110	2.119	2
1. 3268.	.270	5.202	5
1. 3276.	.100	1.927	1
1. 3290.	.110	2.119	2
1. 3310.	.130	2.505	2
1. 3316.	.060	1.156	1
1. 3326.	.270	5.202	5
1. 3341.	.450	8.670	8
1. 3346.	.360	6.936	6
1. 3366.	.050	.963	0
1. 3381.	0.000	0.000	0

SAMPLE ID	X	TRANS	INT
1. 3396.	.090	1.734	1
1. 3426.	.310	5.972	5
1. 3467.	.310	5.972	5
1. 3482.	.230	4.431	4
1. 3583.	.390	7.514	7
1. 3588.	.670	12.908	12
1. 3543.	.270	5.202	5
1. 3553.	.460	8.862	8
1. 3573.	.550	10.596	10
1. 3578.	.250	4.817	4
1. 3588.	.100	1.927	1
1. 3593.	.290	5.587	5
1. 3606.	.540	10.404	10
1. 3631.	.240	4.624	4
1. 3636.	.440	8.477	8
1. 3651.	.560	10.789	10
1. 3701.	.410	7.899	7
1. 3724.	-99.000	-99.000	-98
1. 3748.	.410	7.899	7
1. 3773.	.240	4.624	4
1. 3782.	.250	4.817	4
1. 3792.	.060	1.156	1
1. 3797.	.020	.385	0
1. 3807.	.360	6.936	6
1. 3818.	.030	.578	0
1. 3849.	.030	.578	0
1. 3859.	.610	11.752	11
1. 3860.	.140	2.697	2
1. 3869.	.430	8.284	8
1. 3874.	.110	2.119	2
1. 3888.	.110	2.119	2
1. 3908.	.250	4.817	4
1. 3925.	.190	3.661	3
1. 3939.	.180	3.468	3
1. 3998.	.780	15.028	15
1. 4045.	.360	6.936	6
2. 2655.	.050	.963	0
2. 2710.	.060	1.156	1
2. 2761.	.050	.963	0
2. 3000.	.220	4.239	4
2. 3025.	.120	2.312	2
2. 3050.	.310	5.972	5
2. 3101.	.390	7.514	7
2. 3303.	.160	3.083	3
2. 3328.	.140	2.697	2
2. 3378.	.460	8.862	8
2. 3428.	.340	6.550	6
2. 3479.	.230	4.431	4
2. 3528.	.220	4.239	4
2. 3896.	.720	13.872	13

SAMPLE ID	X	TRANS	INT
2. 3922.	.630	12.138	12
2. 3961.	.500	9.633	9
2. 3971.	.510	9.826	9
3. 2434.	1.380	26.587	26
3. 2444.	1.160	22.349	22
3. 2454.	.870	16.761	16
3. 2463.	.020	.385	0
3. 2464.	.740	14.257	14
3. 2474.	.610	11.752	11
3. 2494.	.400	7.706	7
3. 2504.	.470	9.055	9
3. 2514.	.210	4.046	4
3. 2514.	0.000	0.000	0
3. 2524.	.090	1.734	1
3. 2534.	.100	1.927	1
3. 2545.	.050	.963	0
3. 2555.	.020	.385	0
3. 2565.	.500	9.633	9
3. 2565.	.100	1.927	1
3. 2575.	.160	3.083	3
3. 2586.	.040	.771	0
3. 2588.	.010	.193	0
3. 2595.	0.000	0.000	0
3. 2607.	.200	3.853	3
3. 2617.	0.000	0.000	0
3. 2617.	.010	.193	0
3. 2637.	.010	.193	0
3. 2646.	.010	.193	0
3. 2656.	.340	6.550	6
3. 2666.	.340	6.550	6
3. 2666.	.360	6.936	6
3. 2676.	.220	4.239	4
3. 2686.	0.000	0.000	0
3. 2686.	0.000	0.000	0
3. 2696.	.220	4.239	4
3. 2705.	.120	2.312	2
3. 2715.	.040	.771	0
3. 2725.	.040	.771	0
3. 2725.	0.000	0.000	0
3. 2735.	0.000	0.000	0
3. 2745.	-99.000	-99.000	-98
3. 2755.	.060	1.156	1
3. 2763.	.080	1.541	1
3. 2773.	.160	3.083	3
3. 2784.	0.000	0.000	0
3. 2784.	.170	3.275	3
3. 2793.	0.000	0.000	0
3. 2802.	0.000	0.000	0
3. 2814.	.040	.771	0
3. 2822.	0.000	0.000	0

SAMPLE ID	X	TRANS	INT
3. 2830.	.030	.578	0
3. 2842.	.070	1.349	1
3. 2842.	.090	1.734	1
3. 2852.	.120	2.312	2
3. 2862.	0.000	0.000	0
3. 2872.	0.000	0.000	0
3. 2881.	.650	12.523	12
3. 2891.	.220	4.239	4
3. 2901.	.380	7.321	7
3. 2901.	.240	4.624	4
3. 2911.	1.230	23.697	23
3. 2921.	-99.000	-99.000	-98
3. 2931.	.270	5.202	5
3. 2940.	.950	18.303	18
3. 2950.	0.000	0.000	0
3. 2960.	1.240	23.890	23
3. 2960.	1.520	29.284	29
3. 2970.	1.460	28.128	28
3. 2980.	.230	4.431	4
3. 2990.	1.190	22.927	22
3. 2999.	.110	2.119	2
3. 3009.	0.000	0.000	0
3. 3019.	.290	5.587	5
3. 3019.	.310	5.972	5
3. 3029.	.100	1.927	1
3. 3038.	.420	8.092	8
3. 3049.	.640	12.330	12
3. 3054.	.800	15.413	15
3. 3069.	1.100	21.193	21
3. 3069.	.740	14.257	14
3. 3079.	0.000	0.000	0
3. 3089.	1.460	28.128	28
3. 3099.	1.450	27.936	27
3. 3107.	1.030	19.844	19
3. 3117.	.060	1.156	1
3. 3127.	.210	4.046	4
3. 3137.	.260	5.009	5
3. 3137.	.110	2.119	2
3. 3146.	.130	2.505	2
3. 3157.	.170	3.275	3
3. 3166.	.060	1.156	1
3. 3176.	.040	.771	0
3. 3186.	.320	6.165	6
3. 3186.	0.000	0.000	0
3. 3196.	.020	.385	0
3. 3196.	.160	3.083	3
3. 3206.	.050	.963	0
3. 3216.	.180	3.468	3
3. 3224.	.960	18.495	18
3. 3234.	.040	.771	0

SAMPLE ID	X	TRANS	INT
3. 3244.	.040	.771	0
3. 3244.	.020	.385	0
3. 3254.	.320	6.165	6
3. 3264.	.700	13.486	13
3. 3274.	.110	2.119	2
3. 3284.	.040	.771	0
3. 3294.	0.000	0.000	0
3. 3304.	.030	.578	0
3. 3304.	.040	.771	0
3. 3310.	0.000	0.000	0
3. 3315.	.220	4.239	4
3. 3325.	.700	13.486	13
3. 3335.	.290	5.587	5
3. 3345.	.190	3.661	3
3. 3345.	0.000	0.000	0
3. 3355.	.630	12.133	12
3. 3365.	.670	12.908	12
3. 3375.	.830	15.991	15
3. 3384.	.570	10.982	10
3. 3394.	.740	14.257	14
3. 3404.	.300	5.780	5
3. 3404.	.010	.193	0
4. 4872.	0.000	0.000	0
4. 4882.	3.250	62.615	62
4. 4892.	0.000	0.000	0
4. 4902.	2.400	46.239	46
4. 4912.	3.270	63.000	63
4. 4922.	0.000	0.000	0
4. 4930.	1.660	31.982	31
4. 4940.	2.030	39.110	39
4. 4950.	0.000	0.000	0
4. 4960.	.890	17.147	17
4. 4970.	.050	.963	0
4. 4980.	.470	9.055	9
4. 5212.	.910	17.532	17
4. 5222.	.820	15.798	15
4. 5232.	.990	19.073	19
4. 5242.	1.930	37.183	37
4. 5253.	2.000	38.532	38
4. 5263.	1.250	24.083	24
4. 5273.	-99.000	-99.000	-98
4. 5283.	.860	16.569	16
4. 5293.	1.130	21.771	21
4. 5303.	1.620	31.211	31
4. 5312.	2.490	47.972	47
4. 5322.	2.080	40.073	40
4. 5332.	.450	8.670	8
4. 5342.	1.560	30.055	30
4. 5347.	1.190	22.927	22
4. 5357.	1.130	21.771	21

SAMPLE ID	X	TRANS	INT
4. 5362.	0.000	0.000	0
4. 5372.	0.000	0.000	0
4. 5382.	1.620	31.211	31
4. 5394.	.550	10.596	10
4. 5404.	0.000	0.000	0
4. 5414.	2.770	53.367	53
4. 5424.	3.260	62.807	62
4. 5434.	1.110	21.385	21
4. 5444.	0.000	0.000	0
4. 5447.	2.890	55.679	55
4. 5457.	0.000	0.000	0
4. 5467.	0.000	0.000	0
5. 321.	0.000	0.000	0
5. 331.	0.000	0.000	0
5. 341.	0.000	0.000	0
5. 344.	0.000	0.000	0
5. 354.	0.000	0.000	0
5. 365.	0.000	0.000	0
5. 372.	0.000	0.000	0
5. 382.	0.000	0.000	0
5. 392.	0.000	0.000	0
5. 401.	0.000	0.000	0
5. 411.	0.000	0.000	0
5. 421.	.010	.193	0
5. 431.	.010	.193	0
5. 441.	.010	.193	0
5. 451.	.010	.193	0
5. 458.	.020	.385	0
5. 468.	.010	.193	0
5. 478.	-99.000	-99.000	-98
5. 485.	0.000	0.000	0
5. 495.	0.000	0.000	0
5. 505.	.010	.193	0
5. 515.	0.000	0.000	0
5. 525.	0.000	0.000	0
5. 537.	0.000	0.000	0
5. 547.	.010	.193	0
5. 557.	0.000	0.000	0
5. 564.	0.000	0.000	0
5. 574.	0.000	0.000	0
5. 584.	0.000	0.000	0
5. 592.	0.000	0.000	0
5. 602.	0.000	0.000	0
6. 927.	0.000	0.000	0
6. 937.	.010	.193	0
6. 947.	0.000	0.000	0
6. 951.	0.000	0.000	0
6. 961.	.010	.193	0
6. 971.	.010	.193	0
6. 980.	0.000	0.000	0

SAMPLE ID	X	TRANS	INT
6. 990.	.010	.193	0
6. 1000.	.010	.193	0
6. 1010.	.010	.193	0
6. 1020.	.010	.193	0
6. 1030.	.010	.193	0
6. 1040.	.010	.193	0
6. 1050.	0.000	0.000	0
6. 1060.	.020	.385	0
6. 1070.	.020	.385	0
6. 1080.	.030	.578	0
6. 1090.	.030	.578	0
6. 1100.	.010	.193	0
6. 1110.	.020	.385	0
6. 1120.	0.000	0.000	0
6. 1130.	0.000	0.000	0
6. 1140.	0.000	0.000	0
7. 2183.	.700	13.486	13
7. 2191.	.730	14.064	14
7. 2220.	.450	8.670	8
7. 2230.	.280	5.394	5
7. 2239.	.890	17.147	17
7. 2251.	.130	2.505	2
7. 2259.	1.030	19.844	19
7. 2271.	.300	5.780	5
7. 2281.	1.240	23.890	23
7. 2290.	.510	9.826	9
7. 2300.	.460	8.862	8
7. 2310.	.380	7.321	7
7. 2319.	.100	3.468	3
8. 2495.	.600	11.560	11
8. 2505.	1.530	29.477	29
8. 2515.	2.990	57.606	57
8. 2528.	2.140	41.229	41
8. 2536.	1.350	26.009	26
8. 2547.	1.550	29.862	29
8. 2554.	1.380	26.587	26
8. 2565.	1.050	20.229	20
8. 2575.	2.040	39.303	39
8. 2585.	.890	17.147	17
8. 2595.	1.180	22.734	22
9. 3494.	0.000	0.000	0
9. 3506.	.300	5.780	5
9. 3516.	.380	7.321	7
9. 3526.	.330	6.358	6
9. 3536.	.080	1.541	1
9. 3545.	.130	2.505	2
9. 3555.	.380	7.321	7
9. 3564.	.190	3.661	3
9. 3575.	.270	5.202	5
9. 3585.	.460	8.862	8

SAMPLE ID	X	TRANS	INT
9. 3593.	.730	14.064	14
9. 3605.	.510	9.826	9
9. 3606.	.490	9.440	9
9. 3606.	1.620	31.211	31
9. 3616.	.670	12.908	12
9. 3626.	.450	8.670	8
9. 3634.	.250	4.817	4
9. 3644.	.970	18.688	18
9. 3644.	1.970	37.954	37
9. 3665.	.650	12.523	12
9. 3675.	.440	8.477	8
9. 3685.	.260	5.009	5
9. 3695.	1.140	21.963	21
9. 3705.	.120	2.312	2
9. 3711.	.730	14.064	14
10. 2700.	0.000	0.000	0
10. 2710.	0.000	0.000	0
10. 2720.	0.000	0.000	0
10. 2730.	0.000	0.000	0
10. 2740.	0.000	0.000	0
10. 2750.	0.000	0.000	0
10. 2753.	0.000	0.000	0
10. 2763.	0.000	0.000	0
10. 2773.	0.000	0.000	0
10. 2783.	0.000	0.000	0
10. 2793.	0.000	0.000	0
10. 2803.	0.000	0.000	0
10. 2811.	0.000	0.000	0
10. 2821.	0.000	0.000	0
10. 2841.	0.000	0.000	0
10. 2851.	0.000	0.000	0
10. 2861.	0.000	0.000	0
10. 2869.	0.000	0.000	0
10. 2879.	0.000	0.000	0
10. 2889.	0.000	0.000	0
10. 2899.	0.000	0.000	0
10. 2909.	0.000	0.000	0
10. 2919.	.210	4.046	4
10. 2927.	.200	3.853	3
10. 2937.	.160	3.083	3
10. 2947.	.340	6.550	6
10. 2957.	.320	6.165	6
10. 2967.	0.000	0.000	0
10. 2977.	.400	7.706	7
10. 2985.	.140	2.697	2
10. 2995.	.340	6.550	6
10. 3005.	.260	5.009	5
10. 3015.	.160	3.083	3
10. 3025.	.280	5.394	5

SAMPLE ID	X	TRANS	INT
10. 3035.	.160	3.083	3
10. 3044.	.020	.385	0
10. 3054.	.050	.963	0
10. 3064.	0.000	0.000	0
10. 3074.	0.000	0.000	0
10. 3084.	.120	2.312	2
10. 3094.	.050	.963	0
10. 3102.	.020	.385	0
10. 3112.	.030	.578	0
10. 3122.	.290	5.587	5
10. 3132.	.050	.963	0
10. 3144.	0.000	0.000	0
10. 3152.	1.490	28.706	28
10. 3161.	.020	.385	0
10. 3171.	0.000	0.000	0
10. 3181.	.050	.963	0
10. 3191.	.260	5.009	5
10. 3201.	.020	.385	0
10. 3211.	.020	.385	0
10. 3220.	.060	1.156	1
10. 3230.	.040	.771	0
10. 3240.	.110	2.119	2
10. 3253.	.150	2.890	2
10. 3262.	.140	2.697	2
10. 3272.	.410	7.899	7
10. 3282.	.450	8.670	8
10. 3292.	.240	4.624	4
10. 3302.	0.000	0.000	0
10. 3311.	1.210	23.312	23
10. 3321.	1.450	27.936	27
10. 3331.	1.500	28.899	28
10. 3341.	0.000	0.000	0
10. 3351.	.880	15.954	16
10. 3361.	.530	10.211	10
10. 3369.	.830	15.991	15
10. 3380.	.740	14.257	14
10. 3389.	0.000	0.000	0
11. 3012.	.120	2.312	2
11. 3022.	.510	9.826	9
11. 3043.	.380	7.321	7
11. 3051.	.320	6.165	6
11. 3056.	.250	4.817	4
11. 3063.	.300	5.780	5
11. 3067.	.480	9.248	9
11. 3074.	.370	7.128	7
11. 3080.	.240	4.624	4
11. 3080.	1.910	36.798	36
11. 3086.	.430	8.284	8
11. 3094.	.560	10.789	10
11. 3099.	.440	8.477	8
11. 3106.	1.020	19.651	19

VARIABLE% AV BLK DN MAX% 3.429 MIN% 2.233 F% 52.676

SAMPLE ID	X	TRANS	INT
1. 2746.	2.709	25.074	25
1. 2755.	2.746	27.023	27
1. 2782.	2.771	28.339	28
1. 2787.	2.767	28.129	28
1. 2797.	2.770	28.287	28
1. 2802.	2.732	26.285	26
1. 2827.	2.918	36.083	36
1. 2832.	2.707	24.968	24
1. 2837.	2.739	26.654	26
1. 2842.	2.693	24.231	24
1. 2852.	2.852	32.606	32
1. 2897.	2.709	25.074	25
1. 2927.	2.424	10.061	10
1. 2937.	-99.000	-99.000	-98
1. 2941.	2.752	27.339	27
1. 2947.	2.763	27.918	27
1. 2959.	2.671	23.072	23
1. 2964.	2.809	30.341	30
1. 2994.	2.603	19.490	19
1. 2999.	2.710	25.126	25
1. 3039.	2.765	28.023	28
1. 3064.	2.729	26.127	26
1. 3085.	2.701	24.652	24
1. 3090.	2.918	36.083	36
1. 3100.	2.751	27.286	27
1. 3181.	2.688	23.967	23
1. 3135.	2.738	26.601	26
1. 3140.	2.654	22.176	22
1. 3145.	2.750	27.233	27
1. 3150.	2.640	21.439	21
1. 3155.	2.745	26.970	26
1. 3165.	2.744	26.917	26
1. 3175.	2.783	28.972	28
1. 3180.	2.737	26.548	26
1. 3198.	2.637	21.281	21
1. 3218.	2.754	27.444	27
1. 3228.	3.105	45.933	45
1. 3229.	2.766	28.076	28
1. 3243.	2.794	29.551	29
1. 3248.	2.733	26.338	26
1. 3260.	2.760	27.760	27
1. 3276.	2.739	26.654	26
1. 3290.	2.787	29.182	29
1. 3310.	2.723	25.811	25
1. 3316.	2.805	30.130	30
1. 3326.	2.758	27.655	27
1. 3341.	2.770	28.287	28
1. 3346.	2.702	24.705	24
1. 3366.	2.728	26.074	26
1. 3381.	2.830	31.447	31

SAMPLE ID	X	TRANS	INT
1. 3396.	-99.000	-99.000	-98
1. 3426.	2.696	24.309	24
1. 3467.	2.736	26.496	26
1. 3482.	2.743	26.865	26
1. 3583.	2.592	18.911	18
1. 3588.	2.587	18.647	18
1. 3543.	2.727	26.022	26
1. 3553.	2.615	20.122	20
1. 3573.	2.556	17.014	17
1. 3578.	2.633	21.070	21
1. 3588.	2.621	20.438	20
1. 3593.	2.705	24.863	24
1. 3606.	2.594	19.016	19
1. 3631.	2.580	18.278	18
1. 3636.	2.614	20.069	20
1. 3651.	2.704	24.810	24
1. 3701.	2.505	14.328	14
1. 3724.	2.700	24.599	24
1. 3748.	2.785	29.077	29
1. 3773.	2.697	24.441	24
1. 3782.	2.714	25.337	25
1. 3792.	2.759	27.707	27
1. 3797.	2.745	26.970	26
1. 3807.	2.681	23.599	23
1. 3818.	2.727	26.022	26
1. 3849.	2.723	25.811	25
1. 3859.	2.655	22.229	22
1. 3860.	2.726	25.969	25
1. 3869.	2.656	22.282	22
1. 3874.	2.684	23.757	23
1. 3888.	2.826	31.237	31
1. 3908.	2.733	26.338	26
1. 3925.	2.718	25.548	25
1. 3939.	2.717	25.495	25
1. 3998.	2.685	23.809	23
1. 4045.	2.585	18.542	18
2. 2655.	2.731	26.232	26
2. 2710.	2.708	25.021	25
2. 2761.	2.705	24.863	24
2. 3000.	2.737	26.548	26
2. 3025.	2.708	25.021	25
2. 3050.	2.716	25.442	25
2. 3101.	2.737	26.548	26
2. 3303.	2.810	30.394	30
2. 3328.	2.821	30.973	30
2. 3378.	2.581	18.331	18
2. 3428.	2.630	20.912	20
2. 3478.	2.757	27.602	27
2. 3528.	2.616	20.175	20
2. 3896.	2.642	21.544	21

SAMPLE ID	X	TRANS	INT
2. 3922.	2.575	18.015	18
2. 3961.	2.550	16.698	16
2. 3971.	2.559	17.172	17
3. 2434.	2.505	14.328	14
3. 2444.	2.482	13.116	13
3. 2454.	2.463	12.115	12
3. 2463.	2.494	13.748	13
3. 2464.	2.496	13.854	13
3. 2474.	2.575	18.015	18
3. 2494.	2.575	18.015	18
3. 2504.	2.554	16.989	16
3. 2514.	2.715	25.390	25
3. 2514.	2.583	18.436	18
3. 2524.	2.690	24.073	24
3. 2534.	2.777	28.656	28
3. 2545.	2.734	26.390	26
3. 2555.	2.891	34.661	34
3. 2565.	2.669	22.967	22
3. 2565.	2.727	26.022	26
3. 2575.	2.709	25.074	25
3. 2586.	2.728	26.074	26
3. 2588.	2.766	28.076	28
3. 2595.	2.730	26.180	26
3. 2607.	2.720	25.653	25
3. 2617.	2.889	34.555	34
3. 2617.	2.717	25.495	25
3. 2637.	2.718	25.548	25
3. 2646.	2.699	24.547	24
3. 2656.	2.650	21.966	21
3. 2666.	2.695	24.336	24
3. 2666.	2.603	19.490	19
3. 2676.	2.630	20.912	20
3. 2686.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2696.	2.571	17.804	17
3. 2705.	2.597	19.174	19
3. 2715.	2.666	22.809	22
3. 2725.	2.641	21.492	21
3. 2725.	-99.000	-99.000	-98
3. 2735.	-99.000	-99.000	-98
3. 2745.	2.675	23.283	23
3. 2755.	2.664	22.703	22
3. 2763.	2.674	23.230	23
3. 2773.	2.620	20.385	20
3. 2784.	-99.000	-99.000	-98
3. 2784.	2.642	21.544	21
3. 2793.	-99.000	-99.000	-98
3. 2802.	-99.000	-99.000	-98
3. 2814.	2.714	25.357	25
3. 2822.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 2830.	2.717	25.495	25
3. 2842.	2.680	23.546	23
3. 2842.	2.763	27.918	27
3. 2852.	2.606	19.648	19
3. 2862.	-99.000	-99.000	-98
3. 2872.	-99.000	-99.000	-98
3. 2881.	2.679	23.493	23
3. 2891.	2.742	26.812	26
3. 2901.	2.707	24.968	24
3. 2901.	2.729	26.127	26
3. 2911.	2.628	20.807	20
3. 2921.	2.455	11.694	11
3. 2931.	2.731	25.232	25
3. 2940.	2.613	20.017	20
3. 2950.	-99.000	-99.000	-98
3. 2960.	2.480	13.011	13
3. 2960.	3.429	63.000	63
3. 2970.	2.556	17.014	17
3. 2980.	2.710	25.126	25
3. 2990.	2.584	18.489	18
3. 2999.	2.741	26.759	26
3. 3009.	-99.000	-99.000	-98
3. 3019.	2.520	15.118	15
3. 3019.	2.680	23.546	23
3. 3029.	2.739	26.654	26
3. 3038.	2.510	14.591	14
3. 3049.	2.533	15.803	15
3. 3054.	2.545	16.435	16
3. 3064.	2.519	15.065	15
3. 3069.	2.608	19.753	19
3. 3079.	-99.000	-99.000	-98
3. 3089.	2.567	17.594	17
3. 3099.	2.568	17.646	17
3. 3107.	2.580	18.278	18
3. 3117.	2.684	23.757	23
3. 3127.	2.695	24.336	24
3. 3137.	2.677	23.388	23
3. 3137.	2.680	23.546	23
3. 3146.	2.694	24.283	24
3. 3157.	2.666	22.009	22
3. 3166.	2.674	23.230	23
3. 3176.	2.724	25.864	25
3. 3186.	2.613	20.017	20
3. 3186.	-99.000	-99.000	-98
3. 3196.	2.672	23.125	23
3. 3196.	2.685	23.809	23
3. 3206.	2.650	21.966	21
3. 3216.	2.660	22.492	22
3. 3224.	2.627	20.754	20
3. 3234.	2.684	23.757	23

SAMPLE ID	X	TRANS	INT
3. 3244.	2.789	29.288	29
3. 3244.	2.690	24.073	24
3. 3254.	2.647	21.808	21
3. 3264.	2.654	22.176	22
3. 3274.	2.618	20.280	20
3. 3284.	2.728	26.074	26
3. 3294.	2.653	22.124	22
3. 3304.	2.700	24.599	24
3. 3304.	2.711	25.179	25
3. 3310.	-99.000	-99.000	-98
3. 3315.	2.713	25.284	25
3. 3325.	2.552	16.804	16
3. 3335.	2.674	23.230	23
3. 3345.	2.671	23.072	23
3. 3345.	-99.000	-99.000	-98
3. 3355.	2.654	22.176	22
3. 3365.	2.673	23.177	23
3. 3375.	2.496	13.854	13
3. 3384.	2.522	15.223	15
3. 3394.	2.596	19.121	19
3. 3404.	2.683	23.704	23
3. 3404.	2.763	27.918	27
4. 4872.	2.610	19.859	19
4. 4882.	2.484	13.222	13
4. 4892.	2.555	16.962	16
4. 4902.	2.490	13.538	13
4. 4912.	2.523	15.276	15
4. 4922.	2.615	20.122	20
4. 4930.	2.625	20.649	20
4. 4940.	2.618	20.280	20
4. 4950.	2.694	24.263	24
4. 4960.	2.844	32.185	32
4. 4970.	2.824	31.131	31
4. 4980.	2.722	25.758	25
4. 5212.	2.808	30.288	30
4. 5222.	2.745	26.970	26
4. 5232.	2.696	24.389	24
4. 5242.	2.895	34.871	34
4. 5253.	2.726	25.969	25
4. 5263.	2.776	28.603	28
4. 5273.	2.694	24.263	24
4. 5283.	2.713	25.284	25
4. 5293.	2.662	22.590	22
4. 5303.	2.667	22.861	22
4. 5312.	2.666	22.809	22
4. 5322.	2.679	23.493	23
4. 5332.	2.761	27.813	27
4. 5342.	2.672	23.125	23
4. 5347.	2.756	27.549	27
4. 5357.	2.733	26.338	26

SAMPLE ID	X	TRANS	INT
4. 5362.	2.568	17.646	17
4. 5372.	2.590	18.805	18
4. 5382.	2.622	20.491	20
4. 5394.	2.724	25.864	25
4. 5404.	2.627	20.754	20
4. 5414.	2.551	16.751	16
4. 5424.	2.590	18.805	18
4. 5434.	2.695	24.336	24
4. 5444.	2.548	16.593	16
4. 5447.	2.590	18.805	18
4. 5457.	2.650	21.966	21
4. 5467.	2.567	17.504	17
5. 321.	2.622	20.491	20
5. 331.	2.574	17.962	17
5. 341.	2.465	12.221	12
5. 344.	2.653	22.124	22
5. 354.	2.602	19.437	19
5. 365.	2.460	11.957	11
5. 372.	2.446	11.220	11
5. 382.	2.440	10.904	10
5. 392.	2.501	14.117	14
5. 401.	2.416	9.640	9
5. 411.	2.376	7.533	7
5. 421.	2.498	13.959	13
5. 431.	2.385	8.007	8
5. 441.	2.384	7.954	7
5. 451.	2.433	10.535	10
5. 458.	2.265	1.686	1
5. 468.	2.358	6.584	6
5. 478.	2.368	7.111	7
5. 485.	2.411	9.376	9
5. 495.	2.421	9.903	9
5. 505.	2.325	4.846	4
5. 515.	2.407	9.166	9
5. 525.	2.418	9.745	9
5. 537.	2.357	6.532	6
5. 547.	2.431	10.430	10
5. 557.	2.421	9.903	9
5. 564.	2.424	10.061	10
5. 574.	2.355	6.426	6
5. 584.	2.587	18.647	18
5. 592.	2.564	17.436	17
5. 602.	2.567	17.594	17
6. 927.	2.494	13.748	13
6. 937.	2.465	12.221	12
6. 947.	2.233	0.000	0
6. 951.	2.510	14.591	14
6. 961.	2.487	13.380	13
6. 971.	2.501	14.117	14
6. 980.	2.534	15.855	15

SAMPLE ID	X	TRANS	INT
6. 990.	2.481	13.064	13
6. 1000.	2.440	10.904	10
6. 1010.	2.482	13.116	13
6. 1020.	2.451	11.483	11
6. 1030.	2.442	11.009	11
6. 1040.	2.498	13.959	13
6. 1050.	2.459	11.905	11
6. 1060.	2.425	10.114	10
6. 1070.	2.456	11.747	11
6. 1080.	2.346	5.952	5
6. 1090.	2.302	3.635	3
6. 1100.	2.323	4.741	4
6. 1110.	2.432	10.482	10
6. 1120.	2.502	14.170	14
6. 1130.	2.589	18.753	18
6. 1140.	-99.000	-99.000	-98
7. 2183.	2.248	.790	0
7. 2191.	2.403	8.955	8
7. 2220.	2.470	12.484	12
7. 2230.	2.662	22.598	22
7. 2239.	2.422	9.956	9
7. 2251.	2.733	26.338	26
7. 2259.	2.360	6.690	6
7. 2271.	2.462	12.063	12
7. 2281.	2.403	8.955	8
7. 2290.	2.500	14.064	14
7. 2300.	2.605	19.595	19
7. 2310.	2.619	20.333	20
7. 2319.	2.409	9.271	9
8. 2495.	2.654	22.176	22
8. 2505.	2.293	3.161	3
8. 2515.	2.447	11.273	11
8. 2528.	2.442	11.009	11
8. 2536.	2.411	9.376	9
8. 2547.	2.368	7.111	7
8. 2554.	2.487	13.380	13
8. 2565.	2.608	19.753	19
8. 2575.	2.543	16.329	16
8. 2585.	2.414	9.534	9
8. 2595.	2.592	18.911	18
9. 3494.	2.747	27.075	27
9. 3506.	2.697	24.441	24
9. 3516.	2.692	24.178	24
9. 3526.	2.611	19.911	19
9. 3536.	2.750	27.233	27
9. 3545.	2.746	27.023	27
9. 3555.	2.698	24.494	24
9. 3564.	2.655	22.229	22
9. 3575.	2.705	24.863	24
9. 3585.	2.651	22.018	22

SAMPLE ID	X	TRANS	INT
9. 3593.	2.638	21.334	21
9. 3605.	2.593	18.963	18
9. 3606.	2.550	16.698	16
9. 3606.	2.606	19.648	19
9. 3616.	2.634	21.123	21
9. 3626.	2.743	26.865	26
9. 3634.	2.699	24.547	24
9. 3644.	2.659	22.440	22
9. 3644.	2.671	23.072	23
9. 3665.	2.722	25.758	25
9. 3675.	2.694	24.283	24
9. 3685.	2.754	27.444	27
9. 3695.	2.593	18.436	18
9. 3705.	2.738	25.021	25
9. 3711.	2.747	27.075	27
10. 2700.	-99.000	-99.000	-98
10. 2710.	-99.000	-99.000	-98
10. 2720.	-99.000	-99.000	-98
10. 2730.	-99.000	-99.000	-98
10. 2740.	-99.000	-99.000	-98
10. 2750.	-99.000	-99.000	-98
10. 2753.	-99.000	-99.000	-98
10. 2763.	-99.000	-99.000	-98
10. 2773.	-99.000	-99.000	-98
10. 2783.	-99.000	-99.000	-98
10. 2793.	-99.000	-99.000	-98
10. 2803.	-99.000	-99.000	-98
10. 2811.	-99.000	-99.000	-98
10. 2821.	-99.000	-99.000	-98
10. 2841.	-99.000	-99.000	-98
10. 2851.	-99.000	-99.000	-98
10. 2861.	-99.000	-99.000	-98
10. 2869.	-99.000	-99.000	-98
10. 2879.	-99.000	-99.000	-98
10. 2889.	-99.000	-99.000	-98
10. 2899.	-99.000	-99.000	-98
10. 2909.	-99.000	-99.000	-98
10. 2919.	2.661	22.545	22
10. 2927.	2.669	22.967	22
10. 2937.	2.732	26.285	26
10. 2947.	2.542	16.277	16
10. 2957.	2.528	15.539	15
10. 2967.	-99.000	-99.000	-98
10. 2977.	2.358	6.584	6
10. 2985.	2.753	27.391	27
10. 2995.	2.576	18.068	18
10. 3005.	2.622	20.491	20
10. 3015.	2.716	25.442	25
10. 3025.	2.432	10.482	10

SAMPLE ID	X	TRANS	INT
10. 3035.	2.655	22.229	22
10. 3044.	2.669	22.967	22
10. 3054.	2.659	22.440	22
10. 3064.	2.675	23.283	23
10. 3074.	-99.000	-99.000	-98
10. 3084.	2.638	21.334	21
10. 3094.	2.683	23.704	23
10. 3102.	2.658	22.387	22
10. 3112.	2.695	24.336	24
10. 3122.	2.570	17.752	17
10. 3132.	2.684	23.757	23
10. 3144.	-99.000	-99.000	-98
10. 3152.	2.551	16.751	16
10. 3161.	2.358	6.584	6
10. 3171.	-99.000	-99.000	-98
10. 3181.	2.634	21.123	21
10. 3191.	2.635	23.809	23
10. 3201.	2.637	21.281	21
10. 3211.	2.712	25.232	25
10. 3220.	2.684	23.757	23
10. 3230.	2.652	22.071	22
10. 3240.	2.691	24.125	24
10. 3253.	2.651	22.018	22
10. 3262.	2.677	23.388	23
10. 3272.	2.695	24.336	24
10. 3282.	2.658	22.387	22
10. 3292.	2.685	23.809	23
10. 3302.	-99.000	-99.000	-98
10. 3311.	2.560	17.225	17
10. 3321.	2.694	24.283	24
10. 3331.	2.638	23.967	23
10. 3341.	-99.000	-99.000	-98
10. 3351.	2.446	11.220	11
10. 3361.	2.493	13.696	13
10. 3369.	2.518	15.013	15
10. 3380.	2.652	22.071	22
10. 3389.	-99.000	-99.000	-98
11. 3012.	2.559	17.172	17
11. 3022.	2.547	16.540	16
11. 3043.	2.464	12.168	12
11. 3051.	2.484	13.222	13
11. 3056.	-99.000	-99.000	-98
11. 3063.	2.436	10.693	10
11. 3067.	2.425	10.114	10
11. 3074.	2.435	10.640	10
11. 3080.	2.520	15.118	15
11. 3080.	2.559	17.172	17
11. 3086.	2.600	19.332	19
11. 3094.	2.487	13.360	13
11. 3099.	2.428	10.272	10
11. 3106.	2.385	8.007	8

VARIABLE% TOTL POROS MAX% 43.036 MIN% 0.000 F% 1.464

SAMPLE ID	X	TRANS	INT
1. 2746.	2.815	4.121	4
1. 2755.	1.645	2.408	2
1. 2782.	.809	1.184	1
1. 2787.	1.013	1.483	1
1. 2797.	.863	1.263	1
1. 2802.	2.026	2.966	2
1. 2827.	.844	1.236	1
1. 2832.	.822	1.203	1
1. 2837.	1.571	2.300	2
1. 2842.	4.478	6.555	6
1. 2852.	1.037	1.510	1
1. 2897.	.547	.801	0
1. 2927.	13.368	19.569	19
1. 2937.	-99.000	-99.000	-98
1. 2941.	.671	.982	0
1. 2947.	.829	1.214	1
1. 2959.	.690	1.010	1
1. 2964.	.925	1.354	1
1. 2994.	.728	1.066	1
1. 2999.	1.331	1.948	1
1. 3039.	1.231	1.802	1
1. 3064.	.894	1.309	1
1. 3085.	.627	.918	0
1. 3090.	.860	1.259	1
1. 3100.	.910	1.332	1
1. 3181.	.880	1.300	1
1. 3135.	2.429	3.556	3
1. 3140.	1.033	1.512	1
1. 3145.	.611	.894	0
1. 3150.	.896	1.312	1
1. 3155.	1.261	1.846	1
1. 3165.	1.216	1.780	1
1. 3175.	.977	1.430	1
1. 3180.	.925	1.354	1
1. 3198.	3.131	4.583	4
1. 3218.	.905	1.325	1
1. 3228.	.918	1.344	1
1. 3229.	1.079	1.580	1
1. 3243.	.936	1.370	1
1. 3248.	.802	1.174	1
1. 3268.	.859	1.257	1
1. 3276.	1.150	1.683	1
1. 3290.	1.195	1.749	1
1. 3310.	2.871	4.203	4
1. 3316.	.753	1.102	1
1. 3326.	1.064	1.558	1
1. 3341.	1.044	1.528	1
1. 3346.	2.313	3.386	3
1. 3366.	2.084	3.051	3
1. 3381.	.930	1.361	1

SAMPLE ID	X	TRANS	INT
1. 3396.	-99.000	-99.000	-98
1. 3426.	1.334	1.953	1
1. 3467.	.563	.824	0
1. 3482.	.955	1.398	1
1. 3503.	.423	.619	0
1. 3588.	.430	.629	0
1. 3543.	1.172	1.716	1
1. 3553.	.329	.482	0
1. 3573.	.925	1.354	1
1. 3578.	.989	1.448	1
1. 3588.	.323	.473	0
1. 3593.	2.236	3.273	3
1. 3606.	.317	.464	0
1. 3631.	.238	.348	0
1. 3636.	.181	.265	0
1. 3651.	.259	.379	0
1. 3701.	7.306	10.695	10
1. 3724.	.426	.624	0
1. 3748.	2.212	3.238	3
1. 3773.	2.530	3.704	3
1. 3782.	1.968	2.881	2
1. 3792.	2.195	3.213	3
1. 3797.	3.138	4.594	4
1. 3807.	2.617	3.831	3
1. 3810.	2.219	3.248	3
1. 3849.	5.739	8.401	8
1. 3859.	1.762	2.579	2
1. 3860.	3.029	4.434	4
1. 3869.	4.602	6.737	6
1. 3874.	3.700	5.416	5
1. 3888.	1.550	2.269	2
1. 3908.	2.040	2.986	2
1. 3925.	2.250	3.294	3
1. 3939.	3.310	4.845	4
1. 3998.	1.224	1.792	1
1. 4045.	1.020	1.493	1
2. 2655.	2.077	3.041	3
2. 2710.	3.626	5.308	5
2. 2761.	6.169	9.031	9
2. 3000.	3.513	5.143	5
2. 3025.	.679	.994	0
2. 3050.	4.209	6.162	6
2. 3101.	.634	.928	0
2. 3303.	1.563	2.288	2
2. 3328.	2.366	3.464	3
2. 3378.	3.064	4.485	4
2. 3428.	2.046	2.995	3
2. 3478.	6.069	8.884	8
2. 3528.	.363	.531	0
2. 3896.	3.755	5.497	5

SAMPLE ID	X	TRANS	INT
2. 3922.	.747	1.094	1
2. 3961.	.700	1.025	1
2. 3971.	5.261	7.702	7
3. 2434.	.505	.739	0
3. 2444.	1.111	1.626	1
3. 2454.	2.578	3.774	3
3. 2463.	2.667	3.904	3
3. 2464.	.284	.416	0
3. 2474.	.290	.425	0
3. 2494.	1.750	2.562	2
3. 2504.	.690	1.010	1
3. 2514.	1.121	1.641	1
3. 2514.	6.709	9.821	9
3. 2524.	4.537	6.642	6
3. 2534.	1.919	2.809	2
3. 2545.	2.795	4.092	4
3. 2555.	1.855	2.716	2
3. 2565.	2.681	3.925	3
3. 2565.	5.185	7.590	7
3. 2575.	2.217	3.245	3
3. 2586.	1.688	2.471	2
3. 2588.	2.271	3.324	3
3. 2595.	1.736	2.541	2
3. 2607.	3.626	5.308	5
3. 2617.	1.774	2.597	2
3. 2617.	4.736	6.933	6
3. 2637.	1.966	2.878	2
3. 2646.	2.171	3.178	3
3. 2656.	7.031	10.293	10
3. 2666.	3.173	4.645	4
3. 2666.	.471	.689	0
3. 2676.	4.198	6.145	6
3. 2686.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2696.	1.306	1.912	1
3. 2705.	5.851	8.565	8
3. 2715.	.655	.959	0
3. 2725.	.616	.902	0
3. 2725.	-99.000	-99.000	-98
3. 2735.	-99.000	-99.000	-98
3. 2745.	.661	.968	0
3. 2755.	6.721	9.839	9
3. 2763.	.769	1.126	1
3. 2773.	.841	1.231	1
3. 2784.	-99.000	-99.000	-98
3. 2784.	.732	1.072	1
3. 2793.	-99.000	-99.000	-98
3. 2802.	-99.000	-99.000	-98
3. 2814.	.854	1.250	1
3. 2822.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 2630.	1.512	2.213	2
3. 2842.	1.049	1.536	1
3. 2842.	2.063	3.020	3
3. 2852.	2.225	3.257	3
3. 2862.	-99.000	-99.000	-98
3. 2872.	-99.000	-99.000	-98
3. 2881.	1.144	1.675	1
3. 2891.	1.685	2.467	2
3. 2901.	.762	1.115	1
3. 2901.	4.176	6.113	6
3. 2911.	.514	.752	0
3. 2921.	.240	.351	0
3. 2931.	1.474	2.158	2
3. 2940.	2.993	4.381	4
3. 2950.	-99.000	-99.000	-98
3. 2960.	.679	.994	0
3. 2960.	.820	1.200	1
3. 2970.	.356	.521	0
3. 2980.	2.242	3.282	3
3. 2990.	.453	.663	0
3. 2999.	3.435	5.028	5
3. 3009.	-99.000	-99.000	-98
3. 3019.	.370	.542	0
3. 3019.	1.364	1.997	2
3. 3029.	1.812	2.653	2
3. 3038.	6.511	9.531	9
3. 3049.	.417	.610	0
3. 3054.	.561	.821	0
3. 3069.	9.648	14.124	14
3. 3069.	4.097	5.998	6
3. 3079.	-99.000	-99.000	-98
3. 3089.	2.530	3.704	3
3. 3099.	.585	.856	0
3. 3107.	.655	.959	0
3. 3117.	2.645	3.872	3
3. 3127.	3.091	4.525	4
3. 3137.	4.368	6.394	6
3. 3137.	4.437	6.495	6
3. 3146.	3.938	5.765	5
3. 3157.	9.240	13.526	13
3. 3166.	3.891	5.696	5
3. 3176.	4.720	6.910	6
3. 3186.	5.059	7.420	7
3. 3186.	-99.000	-99.000	-98
3. 3196.	3.678	5.384	5
3. 3196.	4.291	6.282	6
3. 3206.	5.006	7.328	7
3. 3216.	9.794	14.206	14
3. 3224.	2.865	4.194	4
3. 3234.	4.591	6.721	6

SAMPLE ID	X	TRANS	INT
3. 3244.	3.630	5.314	5
3. 3244.	4.631	6.779	6
3. 3254.	7.624	11.161	11
3. 3264.	2.860	4.187	4
3. 3274.	3.243	4.747	4
3. 3284.	5.429	7.947	7
3. 3294.	5.612	8.215	8
3. 3304.	4.439	6.498	6
3. 3304.	3.229	4.727	4
3. 3310.	-99.000	-99.000	-98
3. 3315.	6.869	10.055	10
3. 3325.	5.226	7.650	7
3. 3335.	3.908	5.721	5
3. 3345.	4.270	6.251	6
3. 3345.	-99.000	-99.000	-98
3. 3355.	4.439	6.498	6
3. 3365.	2.310	3.382	3
3. 3375.	.617	.903	0
3. 3384.	1.685	2.467	2
3. 3394.	1.224	1.792	1
3. 3404.	.830	1.215	1
3. 3404.	1.584	2.319	2
4. 4872.	1.043	1.527	1
4. 4882.	8.002	11.714	11
4. 4892.	3.914	5.730	5
4. 4902.	3.126	4.576	4
4. 4912.	5.552	8.128	8
4. 4922.	4.473	6.548	6
4. 4930.	2.089	3.058	3
4. 4940.	1.513	2.215	2
4. 4950.	4.938	7.229	7
4. 4960.	2.760	4.040	4
4. 4970.	.757	1.108	1
4. 4980.	1.600	2.354	2
4. 5212.	5.267	7.710	7
4. 5222.	2.833	4.147	4
4. 5232.	5.203	7.617	7
4. 5242.	2.729	3.995	3
4. 5253.	3.889	5.693	5
4. 5263.	2.406	3.522	3
4. 5273.	3.782	5.536	5
4. 5283.	2.086	3.054	3
4. 5293.	2.142	3.136	3
4. 5303.	2.188	3.203	3
4. 5312.	2.154	3.153	3
4. 5322.	7.959	11.651	11
4. 5332.	7.396	10.827	10
4. 5342.	.398	.583	0
4. 5347.	2.597	3.802	3
4. 5357.	3.335	4.882	4

SAMPLE ID	X	TRANS	INT
4. 5362.	1.280	1.874	1
4. 5372.	.723	1.058	1
4. 5382.	6.078	8.898	8
4. 5394.	2.515	3.682	3
4. 5404.	5.006	7.328	7
4. 5414.	.891	1.304	1
4. 5424.	6.353	9.300	9
4. 5434.	1.467	2.148	2
4. 5444.	.721	1.055	1
4. 5447.	2.039	2.985	2
4. 5457.	.642	.940	0
4. 5467.	1.874	2.743	2
5. 321.	7.012	10.265	10
5. 331.	8.998	13.172	13
5. 341.	12.438	18.208	18
5. 344.	5.751	8.419	8
5. 354.	7.957	11.648	11
5. 365.	13.575	19.872	19
5. 372.	13.694	20.047	20
5. 382.	13.721	20.086	20
5. 392.	11.928	17.461	17
5. 401.	13.832	20.249	20
5. 411.	18.221	26.674	26
5. 421.	11.184	16.372	16
5. 431.	13.903	20.352	20
5. 441.	13.908	20.360	20
5. 451.	13.295	19.462	19
5. 458.	12.944	18.949	18
5. 468.	13.346	19.537	19
5. 478.	12.810	18.752	18
5. 485.	13.603	19.913	19
5. 495.	43.036	63.000	63
5. 505.	12.418	18.179	18
5. 515.	16.336	23.914	23
5. 525.	13.392	19.604	19
5. 537.	16.735	24.498	24
5. 547.	12.873	18.845	18
5. 557.	17.476	25.583	25
5. 564.	12.523	18.332	18
5. 574.	14.153	20.718	20
5. 584.	9.909	14.506	14
5. 592.	10.300	15.078	15
5. 602.	9.886	14.472	14
6. 927.	12.448	18.223	18
6. 937.	12.123	17.747	17
6. 947.	21.340	31.239	31
6. 951.	11.214	16.416	16
6. 961.	11.555	16.915	16
6. 971.	19.845	29.051	29
6. 980.	20.947	30.664	30

SAMPLE ID		X	TRANS	INT
6.	990.	24.137	35.334	35
6.	1000.	15.967	23.374	23
6.	1010.	24.144	35.344	35
6.	1020.	20.638	30.212	30
6.	1030.	14.376	21.045	21
6.	1040.	17.988	26.332	26
6.	1050.	14.261	20.877	20
6.	1060.	16.909	24.753	24
6.	1070.	14.186	20.770	20
6.	1080.	12.800	18.738	18
6.	1090.	6.390	9.354	9
6.	1100.	12.441	15.212	15
6.	1110.	9.464	13.854	13
6.	1120.	23.922	35.019	35
6.	1130.	11.264	16.489	16
6.	1140.	-99.000	-99.000	-98
7.	2183.	2.849	4.171	4
7.	2191.	1.401	2.061	2
7.	2220.	1.116	1.634	1
7.	2230.	1.465	2.145	2
7.	2239.	1.566	2.292	2
7.	2251.	1.705	2.496	2
7.	2259.	.495	.725	0
7.	2271.	5.207	7.622	7
7.	2281.	.041	1.231	1
7.	2290.	.436	.638	0
7.	2300.	.425	.622	0
7.	2310.	2.151	3.149	3
7.	2319.	3.095	4.531	4
8.	2495.	5.078	7.434	7
8.	2505.	3.014	4.412	4
8.	2515.	1.272	1.862	1
8.	2528.	3.294	4.822	4
8.	2536.	1.674	2.451	2
8.	2547.	4.533	6.636	6
8.	2554.	4.067	5.354	5
8.	2565.	2.865	4.194	4
8.	2575.	.619	.906	0
8.	2585.	5.204	7.618	7
8.	2595.	4.869	7.128	7
9.	3494.	2.043	2.991	2
9.	3506.	.736	1.077	1
9.	3516.	1.976	2.893	2
9.	3526.	6.331	9.268	9
9.	3536.	2.869	4.200	4
9.	3545.	7.493	10.969	10
9.	3555.	1.662	2.433	2
9.	3564.	5.662	8.289	8
9.	3575.	.570	.834	0
9.	3585.	1.656	2.424	2

SAMPLE ID	X	TRANS	INT
9. 3593.	3.688	5.399	5
9. 3605.	.543	.795	0
9. 3606.	.609	.892	0
9. 3606.	2.045	2.994	2
9. 3616.	1.903	2.706	2
9. 3626.	3.668	5.370	5
9. 3634.	.527	.771	0
9. 3644.	1.631	2.388	2
9. 3644.	1.448	2.120	2
9. 3665.	1.536	2.249	2
9. 3675.	.876	1.262	1
9. 3685.	1.001	1.465	1
9. 3695.	4.409	6.454	6
9. 3705.	1.283	1.878	1
9. 3711.	1.456	2.131	2
10. 2700.	-99.000	-99.000	-98
10. 2710.	-99.000	-99.000	-98
10. 2720.	-99.000	-99.000	-98
10. 2730.	-99.000	-99.000	-98
10. 2740.	-99.000	-99.000	-98
10. 2750.	-99.000	-99.000	-98
10. 2753.	-99.000	-99.000	-98
10. 2763.	-99.000	-99.000	-98
10. 2773.	-99.000	-99.000	-98
10. 2783.	-99.000	-99.000	-98
10. 2793.	-99.000	-99.000	-98
10. 2803.	-99.000	-99.000	-98
10. 2811.	-99.000	-99.000	-98
10. 2821.	-99.000	-99.000	-98
10. 2841.	-99.000	-99.000	-98
10. 2851.	-99.000	-99.000	-98
10. 2861.	-99.000	-99.000	-98
10. 2869.	-99.000	-99.000	-98
10. 2879.	-99.000	-99.000	-98
10. 2889.	-99.000	-99.000	-98
10. 2899.	-99.000	-99.000	-98
10. 2909.	-99.000	-99.000	-98
10. 2919.	9.688	14.182	14
10. 2927.	.893	1.307	1
10. 2937.	2.896	4.239	4
10. 2947.	5.782	8.464	8
10. 2957.	0.000	0.000	0
10. 2967.	-99.000	-99.000	-98
10. 2977.	8.847	12.951	12
10. 2985.	3.968	5.809	5
10. 2995.	0.000	0.000	0
10. 3005.	4.224	6.103	6
10. 3015.	0.000	0.000	0
10. 3025.	.763	1.117	1

SAMPLE ID		X	TRANS	INT
10.	3035.	0.000	0.000	0
10.	3044.	1.874	2.743	2
10.	3054.	.280	.410	0
10.	3064.	12.450	18.225	18
10.	3074.	-99.000	-99.000	-98
10.	3084.	11.272	16.501	16
10.	3094.	4.434	6.491	6
10.	3102.	4.292	6.283	6
10.	3112.	4.784	7.003	7
10.	3122.	6.478	9.483	9
10.	3132.	6.882	10.074	10
10.	3144.	-99.000	-99.000	-98
10.	3152.	11.125	16.286	16
10.	3161.	11.555	16.915	16
10.	3171.	-99.000	-99.000	-98
10.	3181.	5.728	8.385	8
10.	3191.	5.159	7.552	7
10.	3201.	.826	1.209	1
10.	3211.	3.938	5.765	5
10.	3220.	.891	1.304	1
10.	3230.	1.560	2.284	2
10.	3240.	.738	1.080	1
10.	3253.	2.225	3.257	3
10.	3262.	.383	.561	0
10.	3272.	.486	.711	0
10.	3282.	0.000	0.000	0
10.	3292.	0.000	0.000	0
10.	3302.	-99.000	-99.000	-98
10.	3311.	3.327	4.870	4
10.	3321.	0.000	0.000	0
10.	3331.	8.400	12.297	12
10.	3341.	-99.000	-99.000	-98
10.	3351.	3.366	4.927	4
10.	3361.	2.849	4.171	4
10.	3369.	.842	1.233	1
10.	3380.	0.000	0.000	0
10.	3389.	-99.000	-99.000	-98
11.	3012.	8.685	12.714	12
11.	3022.	6.334	9.272	9
11.	3043.	6.202	9.079	9
11.	3051.	3.832	5.610	5
11.	3056.	-99.000	-99.000	-98
11.	3063.	2.712	3.970	3
11.	3067.	2.275	3.330	3
11.	3074.	2.488	3.642	3
11.	3080.	3.898	5.706	5
11.	3080.	5.848	8.561	8
11.	3086.	5.952	8.713	8
11.	3094.	6.914	10.121	10
11.	3099.	2.614	3.827	3
11.	3106.	1.037	1.518	1

VARIABLE% SMPL WT LS MAX% 39.562 MIN% -99.400 F% .453

SAMPLE ID	X	TRANS	INT
1. 2746.	4.740	47.213	47
1. 2755.	5.224	47.432	47
1. 2782.	11.155	50.126	50
1. 2787.	11.121	50.106	50
1. 2797.	10.543	49.844	49
1. 2802.	5.590	47.598	47
1. 2827.	9.811	49.512	49
1. 2832.	9.425	49.337	49
1. 2837.	8.239	48.799	48
1. 2842.	8.334	48.842	48
1. 2852.	11.829	50.427	50
1. 2897.	5.817	47.701	47
1. 2927.	10.215	49.695	49
1. 2937.	-99.000	-99.000	-98
1. 2941.	26.640	57.142	57
1. 2947.	12.931	50.927	50
1. 2959.	7.855	48.625	48
1. 2964.	12.324	50.651	50
1. 2994.	9.943	49.572	49
1. 2999.	10.058	49.624	49
1. 3039.	10.957	50.032	50
1. 3064.	10.672	49.902	49
1. 3085.	7.728	48.568	48
1. 3090.	6.694	48.099	48
1. 3100.	12.395	50.684	50
1. 3181.	12.229	50.608	50
1. 3135.	9.023	49.155	49
1. 3140.	14.016	51.419	51
1. 3145.	12.201	50.596	50
1. 3150.	11.489	50.273	50
1. 3155.	15.476	52.080	52
1. 3165.	4.872	47.273	47
1. 3175.	25.380	56.570	56
1. 3180.	13.238	51.066	51
1. 3198.	8.083	48.729	48
1. 3218.	11.835	50.430	50
1. 3228.	7.361	48.401	48
1. 3229.	13.786	51.314	51
1. 3243.	11.043	50.071	50
1. 3248.	8.360	48.854	48
1. 3268.	13.522	51.194	51
1. 3276.	11.977	50.494	50
1. 3290.	11.822	50.424	50
1. 3310.	12.148	50.572	50
1. 3316.	12.370	50.672	50
1. 3326.	9.428	49.338	49
1. 3341.	13.126	51.015	51
1. 3346.	12.438	50.703	50
1. 3366.	10.723	49.926	49
1. 3381.	10.779	49.951	49

SAMPLE ID	X	TRANS	INT
1. 3396.	-99.000	-99.000	-98
1. 3426.	21.854	54.976	54
1. 3467.	11.312	50.193	50
1. 3482.	8.445	48.893	48
1. 3583.	7.567	48.495	48
1. 3586.	7.691	48.551	48
1. 3543.	11.468	50.263	50
1. 3553.	7.925	49.657	48
1. 3573.	7.609	48.514	48
1. 3578.	5.582	47.595	47
1. 3588.	8.337	48.844	48
1. 3593.	9.703	49.490	49
1. 3606.	8.738	49.026	49
1. 3631.	8.697	49.007	49
1. 3636.	7.413	48.425	48
1. 3651.	8.083	48.729	48
1. 3701.	9.236	49.251	49
1. 3724.	10.509	49.828	49
1. 3748.	13.269	51.080	51
1. 3773.	15.970	52.304	52
1. 3782.	15.324	52.011	52
1. 3792.	14.175	51.491	51
1. 3797.	12.711	50.827	50
1. 3807.	13.103	51.005	51
1. 3818.	13.411	51.144	51
1. 3849.	13.533	51.199	51
1. 3859.	10.506	49.827	49
1. 3860.	12.113	50.556	50
1. 3869.	7.976	48.680	48
1. 3874.	12.975	50.946	50
1. 3888.	12.521	50.741	50
1. 3908.	14.255	51.527	51
1. 3925.	12.276	50.630	50
1. 3939.	13.175	51.037	51
1. 3998.	9.674	49.450	49
1. 4045.	6.200	47.875	47
2. 2655.	7.560	48.492	48
2. 2710.	3.783	46.779	46
2. 2761.	3.588	46.691	46
2. 3000.	6.336	47.937	47
2. 3025.	10.513	49.830	49
2. 3050.	9.184	49.228	49
2. 3101.	12.861	50.895	50
2. 3303.	6.300	47.920	47
2. 3328.	2.391	46.140	46
2. 3378.	4.631	47.164	47
2. 3428.	9.364	49.309	49
2. 3478.	11.098	50.096	50
2. 3528.	5.818	47.702	47
2. 3896.	8.809	49.058	49

SAMPLE ID	X	TRANS	INT
2. 3922.	10.005	49.600	49
2. 3961.	5.812	47.699	47
2. 3971.	3.681	46.733	46
3. 2434.	7.376	48.408	48
3. 2444.	9.735	49.478	49
3. 2454.	10.736	49.931	49
3. 2463.	9.632	49.431	49
3. 2464.	10.877	49.995	50
3. 2474.	10.325	49.745	49
3. 2494.	10.339	49.751	49
3. 2504.	6.328	47.933	47
3. 2514.	9.758	49.488	49
3. 2514.	5.510	47.562	47
3. 2524.	14.414	51.599	51
3. 2534.	12.638	50.794	50
3. 2545.	10.583	49.862	49
3. 2555.	10.834	49.976	49
3. 2565.	8.516	48.925	48
3. 2565.	10.544	49.844	49
3. 2575.	9.865	49.537	49
3. 2586.	12.702	50.823	50
3. 2588.	9.377	49.315	49
3. 2595.	9.054	49.169	49
3. 2607.	14.797	51.773	51
3. 2617.	10.370	49.765	49
3. 2617.	14.302	51.548	51
3. 2637.	9.793	49.504	49
3. 2646.	-53.617	20.756	20
3. 2656.	8.107	48.740	48
3. 2666.	12.012	50.510	50
3. 2666.	9.744	49.482	49
3. 2676.	9.056	49.170	49
3. 2686.	-99.000	-99.000	-98
3. 2686.	-99.000	-99.000	-98
3. 2696.	9.045	49.165	49
3. 2705.	12.291	50.636	50
3. 2715.	10.974	50.039	50
3. 2725.	11.304	50.189	50
3. 2725.	-99.000	-99.000	-98
3. 2735.	-99.000	-99.000	-98
3. 2745.	12.590	50.772	50
3. 2755.	12.953	50.937	50
3. 2763.	12.960	50.940	50
3. 2773.	8.361	48.855	48
3. 2784.	-99.000	-99.000	-98
3. 2784.	12.954	50.937	50
3. 2793.	-99.000	-99.000	-98
3. 2802.	-99.000	-99.000	-98
3. 2814.	12.516	50.738	50
3. 2822.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
3. 2830.	14.781	51.765	51
3. 2842.	10.432	49.794	49
3. 2842.	13.889	51.361	51
3. 2852.	11.581	50.314	50
3. 2862.	-99.000	-99.000	-98
3. 2872.	-99.000	-99.000	-98
3. 2881.	10.819	49.969	49
3. 2891.	13.582	51.222	51
3. 2901.	10.937	50.023	50
3. 2901.	13.382	51.131	51
3. 2911.	12.439	50.703	50
3. 2921.	6.768	48.132	48
3. 2931.	13.264	51.078	51
3. 2940.	9.113	49.196	49
3. 2950.	-99.000	-99.000	-98
3. 2960.	7.554	48.489	48
3. 2960.	7.840	48.518	48
3. 2970.	6.879	48.183	48
3. 2980.	12.707	50.825	50
3. 2990.	8.037	48.708	48
3. 2999.	9.428	49.338	49
3. 3009.	-99.000	-99.000	-98
3. 3019.	8.330	48.841	48
3. 3019.	11.644	50.343	50
3. 3029.	9.237	49.252	49
3. 3038.	6.194	47.872	47
3. 3049.	8.262	48.810	48
3. 3054.	10.198	49.687	49
3. 3069.	8.093	48.692	48
3. 3069.	9.597	49.415	49
3. 3079.	-99.000	-99.000	-98
3. 3089.	9.139	49.207	49
3. 3099.	8.648	48.985	48
3. 3107.	9.294	49.278	49
3. 3117.	10.251	49.712	49
3. 3127.	7.816	48.608	48
3. 3137.	9.218	49.243	49
3. 3137.	8.430	48.886	48
3. 3146.	7.571	48.497	48
3. 3157.	18.894	53.630	53
3. 3166.	8.669	48.994	48
3. 3176.	7.400	48.419	48
3. 3186.	18.069	53.247	53
3. 3186.	-99.000	-99.000	-98
3. 3196.	9.162	49.218	49
3. 3196.	-3.444	43.503	43
3. 3206.	8.319	48.836	48
3. 3216.	13.262	51.077	51
3. 3224.	10.012	49.603	49
3. 3234.	7.391	48.415	48

SAMPLE ID	X	TRANS	INT
3. 3244.	6.332	47.935	47
3. 3244.	7.538	48.482	48
3. 3254.	15.840	52.245	52
3. 3264.	9.485	49.364	49
3. 3274.	7.403	48.420	48
3. 3284.	7.607	48.513	48
3. 3294.	7.662	48.538	48
3. 3304.	15.829	52.240	52
3. 3304.	6.743	48.121	48
3. 3310.	-99.000	-99.000	-98
3. 3315.	14.539	51.656	51
3. 3325.	14.597	51.682	51
3. 3335.	7.177	48.318	48
3. 3345.	8.301	48.827	48
3. 3345.	-99.000	-99.000	-98
3. 3355.	14.577	51.673	51
3. 3365.	11.808	50.417	50
3. 3375.	12.320	50.650	50
3. 3384.	9.753	49.486	49
3. 3394.	13.860	51.348	51
3. 3404.	7.538	48.482	48
3. 3404.	1.954	45.950	45
4. 4872.	6.234	47.890	47
4. 4882.	10.829	49.974	49
4. 4892.	5.331	47.481	47
4. 4902.	8.965	49.129	49
4. 4912.	12.051	50.528	50
4. 4922.	7.173	48.316	48
4. 4930.	7.791	48.596	48
4. 4940.	4.796	47.238	47
4. 4950.	4.237	46.985	46
4. 4960.	5.822	47.704	47
4. 4970.	3.395	46.603	46
4. 4980.	11.235	50.158	50
4. 5212.	9.288	49.275	49
4. 5222.	10.901	50.006	50
4. 5232.	14.148	51.478	51
4. 5242.	9.611	49.421	49
4. 5253.	7.851	48.623	48
4. 5263.	8.794	49.051	49
4. 5273.	10.069	49.629	49
4. 5283.	9.870	49.539	49
4. 5293.	9.599	49.416	49
4. 5303.	10.705	49.917	49
4. 5312.	10.115	49.650	49
4. 5322.	9.997	49.596	49
4. 5332.	10.488	49.819	49
4. 5342.	10.426	49.791	49
4. 5347.	10.283	49.726	49
4. 5357.	10.450	49.802	49

SAMPLE ID	X	TRANS	INT
4. 5362.	6.957	48.218	48
4. 5372.	8.533	48.933	48
4. 5382.	7.525	49.476	48
4. 5394.	7.458	48.445	48
4. 5404.	15.205	51.957	51
4. 5414.	8.558	48.944	48
4. 5424.	5.854	47.718	47
4. 5434.	6.464	47.995	47
4. 5444.	2.827	46.346	46
4. 5447.	7.607	48.513	48
4. 5457.	8.710	49.013	49
4. 5467.	7.527	48.477	48
5. 321.	23.708	55.812	55
5. 331.	26.359	57.014	57
5. 341.	37.103	61.885	61
5. 344.	20.157	54.203	54
5. 354.	29.896	58.618	58
5. 365.	23.917	55.907	55
5. 372.	28.128	57.816	57
5. 382.	30.706	58.985	58
5. 392.	10.415	49.786	49
5. 401.	33.601	60.298	60
5. 411.	36.406	61.569	61
5. 421.	33.334	60.176	60
5. 431.	39.562	63.000	63
5. 441.	27.607	57.500	57
5. 451.	34.476	60.694	60
5. 458.	27.882	57.705	57
5. 468.	28.901	58.167	58
5. 478.	25.044	56.418	56
5. 485.	27.785	57.661	57
5. 495.	26.537	57.095	57
5. 505.	3.849	46.809	46
5. 515.	22.195	55.126	55
5. 525.	9.294	49.278	49
5. 537.	26.773	57.202	57
5. 547.	12.451	50.709	50
5. 557.	23.259	55.609	55
5. 564.	16.852	52.704	52
5. 574.	19.740	54.013	54
5. 584.	2.903	46.380	46
5. 592.	6.341	47.939	47
5. 602.	3.724	46.752	46
6. 927.	18.604	53.498	53
6. 937.	15.439	52.064	52
6. 947.	12.167	50.580	50
6. 951.	3.267	46.545	46
6. 961.	9.542	49.390	49
6. 971.	5.777	47.683	47
6. 980.	9.389	49.321	49

SAMPLE ID	X	TRANS	INT
6. 990.	12.929	50.926	50
6. 1000.	24.459	56.153	56
6. 1010.	7.755	48.580	48
6. 1020.	17.735	53.104	53
6. 1030.	5.801	47.694	47
6. 1040.	13.118	51.011	51
6. 1050.	15.383	52.038	52
6. 1060.	16.102	52.364	52
6. 1070.	15.156	51.935	51
6. 1080.	14.058	51.437	51
6. 1090.	10.960	50.033	50
6. 1100.	9.050	49.167	49
6. 1110.	9.033	49.159	49
6. 1120.	9.357	49.306	49
6. 1130.	7.037	48.254	48
6. 1140.	-99.000	-99.000	-98
7. 2183.	6.956	48.222	48
7. 2191.	5.512	47.563	47
7. 2220.	6.566	48.041	48
7. 2230.	10.132	49.658	49
7. 2239.	7.942	48.665	48
7. 2251.	9.331	49.294	49
7. 2259.	7.776	48.589	48
7. 2271.	5.562	47.586	47
7. 2281.	5.930	47.753	47
7. 2290.	3.612	46.702	46
7. 2300.	3.191	46.511	46
7. 2310.	4.102	46.924	46
7. 2319.	3.937	46.849	46
8. 2495.	8.164	48.765	48
8. 2505.	9.466	49.356	49
8. 2515.	9.048	49.166	49
8. 2528.	8.126	48.748	48
8. 2536.	5.451	47.535	47
8. 2547.	7.236	48.345	48
8. 2554.	8.058	48.717	48
8. 2565.	10.170	49.675	49
8. 2575.	7.844	48.620	48
8. 2585.	8.319	48.836	48
8. 2595.	8.908	49.103	49
9. 3494.	7.777	48.590	48
9. 3506.	5.978	47.774	47
9. 3516.	9.954	49.577	49
9. 3526.	7.868	48.631	48
9. 3536.	8.024	48.702	48
9. 3545.	9.922	49.562	49
9. 3555.	9.663	49.536	49
9. 3564.	8.103	48.738	48
9. 3575.	9.188	49.230	49
9. 3585.	6.279	47.911	47

SAMPLE ID	X	TRANS	INY
9. 3593.	8.594	48.960	48
9. 3605.	8.291	48.823	48
9. 3606.	4.759	47.222	47
9. 3606.	5.883	47.731	47
9. 3616.	9.057	49.170	49
9. 3626.	7.239	48.346	48
9. 3634.	8.429	48.886	48
9. 3644.	7.653	48.534	48
9. 3644.	8.006	48.694	48
9. 3665.	6.000	47.784	47
9. 3675.	8.783	49.046	49
9. 3685.	7.051	48.261	48
9. 3695.	6.577	48.046	48
9. 3705.	8.924	49.110	49
9. 3711.	7.935	48.662	48
10. 2700.	-99.000	-99.000	-98
10. 2710.	-99.000	-99.000	-98
10. 2720.	-99.000	-99.000	-98
10. 2730.	-99.000	-99.000	-98
10. 2740.	-99.000	-99.000	-98
10. 2750.	-99.000	-99.000	-98
10. 2753.	-99.000	-99.000	-98
10. 2763.	-99.000	-99.000	-98
10. 2773.	-99.000	-99.000	-98
10. 2783.	-99.000	-99.000	-98
10. 2793.	-99.000	-99.000	-98
10. 2803.	-99.000	-99.000	-98
10. 2811.	-99.000	-99.000	-98
10. 2821.	-99.000	-99.000	-98
10. 2841.	-99.000	-99.000	-98
10. 2851.	-99.000	-99.000	-98
10. 2861.	-99.000	-99.000	-98
10. 2869.	-99.000	-99.000	-98
10. 2879.	-99.000	-99.000	-98
10. 2889.	-99.000	-99.000	-98
10. 2899.	-99.000	-99.000	-98
10. 2909.	-99.000	-99.000	-98
10. 2919.	-99.000	-99.000	-98
10. 2927.	-99.000	-99.000	-98
10. 2937.	-99.000	-99.000	-98
10. 2947.	-99.000	-99.000	-98
10. 2957.	-99.000	-99.000	-98
10. 2967.	-99.000	-99.000	-98
10. 2977.	-99.000	-99.000	-98
10. 2985.	-99.000	-99.000	-98
10. 2995.	-99.000	-99.000	-98
10. 3005.	-99.000	-99.000	-98
10. 3015.	-99.000	-99.000	-98
10. 3025.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
10. 3035.	-99.000	-99.000	-98
10. 3044.	-99.000	-99.000	-98
10. 3054.	-99.000	-99.000	-98
10. 3064.	-99.000	-99.000	-98
10. 3074.	-99.000	-99.000	-98
10. 3084.	-99.000	-99.000	-98
10. 3094.	-99.000	-99.000	-98
10. 3102.	-99.000	-99.000	-98
10. 3112.	-99.000	-99.000	-98
10. 3122.	-99.000	-99.000	-98
10. 3132.	-99.000	-99.000	-98
10. 3144.	-99.000	-99.000	-98
10. 3152.	-99.000	-99.000	-98
10. 3161.	-99.000	-99.000	-98
10. 3171.	-99.000	-99.000	-98
10. 3181.	-99.000	-99.000	-98
10. 3191.	-99.000	-99.000	-98
10. 3201.	-99.000	-99.000	-98
10. 3211.	-99.000	-99.000	-98
10. 3220.	-99.000	-99.000	-98
10. 3230.	-99.000	-99.000	-98
10. 3240.	-99.000	-99.000	-98
10. 3253.	-99.000	-99.000	-98
10. 3262.	-99.000	-99.000	-98
10. 3272.	-99.000	-99.000	-98
10. 3282.	-99.000	-99.000	-98
10. 3292.	-99.000	-99.000	-98
10. 3302.	-99.000	-99.000	-98
10. 3311.	-99.000	-99.000	-98
10. 3321.	-99.000	-99.000	-98
10. 3331.	-99.000	-99.000	-98
10. 3341.	-99.000	-99.000	-98
10. 3351.	-99.000	-99.000	-98
10. 3361.	-99.000	-99.000	-98
10. 3369.	-99.000	-99.000	-98
10. 3380.	-99.000	-99.000	-98
10. 3389.	-99.000	-99.000	-98
11. 3012.	13.043	50.977	50
11. 3022.	13.522	51.194	51
11. 3043.	9.528	49.384	49
11. 3051.	-99.400	0.000	0
11. 3056.	-99.000	-99.000	-98
11. 3053.	10.192	49.685	49
11. 3067.	9.928	49.565	49
11. 3074.	10.911	50.011	50
11. 3080.	10.871	49.993	49
11. 3080.	11.545	50.298	50
11. 3086.	11.412	50.238	50
11. 3094.	12.104	50.552	50
11. 3099.	12.620	50.786	50
11. 3106.	15.195	51.953	51

VARIABLE% MEAN FOR V MAX% .033 MIN% 0.000 F% 1903.323

SAMPLE ID	X	TRANS	INT
1. 2746.	.012	22.079	22
1. 2755.	.008	15.798	15
1. 2782.	.014	26.456	26
1. 2787.	.008	14.846	14
1. 2797.	.019	35.782	35
1. 2802.	.015	27.598	27
1. 2827.	.014	26.256	26
1. 2832.	.011	21.698	21
1. 2837.	.008	15.227	15
1. 2842.	.031	98.091	98
1. 2852.	.013	24.172	24
1. 2897.	.011	20.366	20
1. 2927.	.008	15.607	15
1. 2937.	-99.000	-99.000	-98
1. 2941.	.020	39.066	38
1. 2947.	.008	15.417	15
1. 2959.	.012	22.459	22
1. 2964.	.011	20.175	20
1. 2994.	.009	16.369	16
1. 2999.	.011	19.985	19
1. 3039.	.011	21.317	21
1. 3064.	.015	28.169	28
1. 3085.	.008	15.417	15
1. 3090.	.012	22.840	22
1. 3100.	.014	26.837	26
1. 3181.	.010	19.224	19
1. 3135.	.009	8.755	8
1. 3140.	.012	23.601	23
1. 3145.	.012	22.940	22
1. 3150.	.008	14.846	14
1. 3155.	.011	20.366	20
1. 3165.	.010	19.604	19
1. 3175.	.011	21.508	21
1. 3180.	.013	23.982	23
1. 3198.	.011	19.985	19
1. 3218.	.010	19.224	19
1. 3228.	.010	19.272	18
1. 3229.	.012	21.888	21
1. 3243.	.013	24.553	24
1. 3249.	-99.000	-99.000	-98
1. 3268.	.014	27.218	27
1. 3276.	.010	18.653	18
1. 3290.	.022	41.112	41
1. 3310.	.012	22.650	22
1. 3316.	.011	19.985	19
1. 3326.	.015	28.740	28
1. 3341.	.011	20.746	20
1. 3346.	.009	16.749	16
1. 3366.	.015	27.979	27
1. 3361.	.008	14.846	14

SAMPLE ID	X	TRANS	INT
1. 3396.	.011	21.127	21
1. 3426.	.010	19.224	19
1. 3467.	.010	18.272	18
1. 3482.	.008	15.227	15
1. 3583.	.016	29.502	29
1. 3588.	.015	28.169	28
1. 3543.	.014	27.027	27
1. 3553.	.011	20.556	20
1. 3573.	.001	1.142	1
1. 3578.	.007	13.323	13
1. 3588.	.006	11.610	11
1. 3593.	.005	8.946	8
1. 3606.	.011	21.317	21
1. 3631.	.009	17.511	17
1. 3636.	.011	21.698	21
1. 3651.	.002	2.855	2
1. 3701.	.010	19.224	19
1. 3724.	.013	25.124	25
1. 3748.	.019	36.734	36
1. 3773.	.014	27.027	27
1. 3782.	.016	29.502	29
1. 3792.	.019	36.734	36
1. 3797.	.017	32.356	32
1. 3807.	.022	41.683	41
1. 3818.	.014	27.408	27
1. 3849.	.016	29.502	29
1. 3859.	.014	25.885	25
1. 3860.	.017	31.595	31
1. 3869.	.011	20.556	20
1. 3874.	.018	33.308	33
1. 3888.	.011	21.317	21
1. 3908.	.011	20.937	20
1. 3925.	.009	17.891	17
1. 3939.	.011	20.366	20
1. 3998.	.012	22.459	22
1. 4045.	.012	22.269	22
2. 2655.	.004	7.804	7
2. 2710.	.012	22.269	22
2. 2761.	.015	29.121	29
2. 3000.	.010	19.795	19
2. 3025.	.011	20.366	20
2. 3050.	.020	37.495	37
2. 3101.	.008	14.275	14
2. 3303.	.013	25.314	25
2. 3328.	.008	15.607	15
2. 3378.	.005	9.517	9
2. 3426.	.011	21.127	21
2. 3478.	.010	18.272	18
2. 3528.	.009	17.701	17
2. 3896.	0.000	0.000	0

SAMPLE ID	X	TRANS	INT
2. 3922.	.012	22.079	22
2. 3961.	.004	7.004	7
2. 3971.	.008	14.656	14
3. 2434.	.009	17.891	17
3. 2444.	.004	7.042	7
3. 2454.	.002	3.045	3
3. 2463.	.011	20.175	20
3. 2464.	-99.000	-99.000	-98
3. 2474.	.008	15.988	15
3. 2494.	.010	19.224	19
3. 2504.	.009	17.320	17
3. 2514.	.015	27.596	27
3. 2514.	.012	23.221	23
3. 2524.	.010	19.795	19
3. 2534.	.010	19.414	19
3. 2545.	.024	44.728	44
3. 2555.	.012	23.221	23
3. 2565.	.015	29.121	29
3. 2565.	.014	27.218	27
3. 2575.	.011	21.508	21
3. 2586.	.023	54.816	54
3. 2588.	.013	24.553	24
3. 2595.	.009	17.130	17
3. 2607.	.012	22.269	22
3. 2617.	.013	24.934	24
3. 2617.	.009	17.130	17
3. 2637.	.008	14.465	14
3. 2646.	.014	26.266	26
3. 2656.	.014	25.695	25
3. 2666.	.013	25.505	25
3. 2666.	.012	22.650	22
3. 2676.	.007	13.133	13
3. 2686.	.009	17.091	17
3. 2686.	.006	10.849	10
3. 2696.	.011	21.317	21
3. 2705.	.012	23.411	23
3. 2715.	.013	25.124	25
3. 2725.	.031	58.432	58
3. 2725.	.018	34.640	34
3. 2735.	.013	23.982	23
3. 2745.	.010	18.653	18
3. 2755.	.009	16.559	16
3. 2763.	.013	23.792	23
3. 2773.	.011	19.985	19
3. 2784.	.008	14.275	14
3. 2784.	-99.000	-99.000	-98
3. 2793.	.010	18.653	18
3. 2802.	.026	48.915	48
3. 2814.	.010	19.795	19
3. 2822.	.009	16.940	16

SAMPLE ID	X	TRANS	INT
3. 2830.	.027	51.009	51
3. 2842.	.014	27.216	27
3. 2842.	.014	26.647	26
3. 2852.	.007	13.704	13
3. 2862.	.017	32.737	32
3. 2872.	.015	28.931	28
3. 2881.	.030	56.330	56
3. 2891.	.011	21.317	21
3. 2901.	.014	27.027	27
3. 2901.	.013	24.172	24
3. 2911.	.012	22.269	22
3. 2921.	.009	16.749	16
3. 2931.	.011	20.556	20
3. 2940.	.014	27.216	27
3. 2950.	.009	17.701	17
3. 2960.	.007	12.752	12
3. 2960.	-.99.000	-.99.000	-.98
3. 2970.	.010	19.033	19
3. 2980.	.016	29.882	29
3. 2990.	.012	23.221	23
3. 2999.	.006	10.468	10
3. 3009.	.009	17.891	17
3. 3019.	.009	16.559	16
3. 3019.	.011	21.317	21
3. 3029.	.017	32.927	32
3. 3038.	.012	22.650	22
3. 3049.	.020	37.876	37
3. 3054.	.010	19.795	19
3. 3069.	.009	16.369	16
3. 3069.	.006	11.230	11
3. 3079.	.012	23.601	23
3. 3089.	.009	17.511	17
3. 3099.	.012	23.601	23
3. 3107.	.009	16.369	16
3. 3117.	.011	20.556	20
3. 3127.	.008	15.798	15
3. 3137.	.021	40.350	40
3. 3137.	.028	52.912	52
3. 3146.	.020	37.115	37
3. 3157.	.018	33.308	33
3. 3166.	.020	37.686	37
3. 3176.	.033	63.000	63
3. 3186.	.010	18.082	18
3. 3186.	.014	26.076	26
3. 3196.	.014	26.647	26
3. 3196.	.015	29.121	29
3. 3206.	.012	22.459	22
3. 3216.	.005	10.278	10
3. 3224.	.018	35.021	35
3. 3234.	.011	21.698	21

SAMPLE ID	X	TRANS	INT
3. 3244.	.014	27.218	27
3. 3244.	.020	37.115	37
3. 3254.	.011	21.317	21
3. 3264.	.005	9.897	9
3. 3274.	.015	27.789	27
3. 3284.	.018	33.308	33
3. 3294.	.029	55.196	55
3. 3304.	.016	31.215	31
3. 3304.	.026	50.057	50
3. 3310.	-99.000	-99.000	-98
3. 3315.	.015	27.789	27
3. 3325.	.011	21.317	21
3. 3335.	.016	29.502	29
3. 3345.	.013	25.505	25
3. 3345.	.022	41.112	41
3. 3355.	.011	20.366	20
3. 3365.	.011	21.317	21
3. 3375.	.010	19.604	19
3. 3384.	.005	8.946	8
3. 3394.	.023	43.015	43
3. 3404.	.007	13.133	13
3. 3404.	.022	41.112	41
4. 4872.	0.000	0.000	0
4. 4882.	.013	23.982	23
4. 4892.	.016	31.215	31
4. 4902.	-99.000	-99.000	-98
4. 4912.	.011	20.366	20
4. 4922.	.013	24.172	24
4. 4930.	.007	12.372	12
4. 4940.	.011	19.985	19
4. 4950.	.009	17.701	17
4. 4960.	.012	21.888	21
4. 4970.	.008	15.227	15
4. 4980.	.011	21.508	21
4. 5212.	.008	15.988	15
4. 5222.	.012	21.888	21
4. 5232.	.004	6.852	6
4. 5242.	.011	19.985	19
4. 5253.	.010	19.033	19
4. 5263.	.013	24.934	24
4. 5273.	.013	24.172	24
4. 5283.	.001	1.142	1
4. 5293.	.008	15.227	15
4. 5303.	.012	22.840	22
4. 5312.	.009	16.749	16
4. 5322.	.013	23.792	23
4. 5332.	.010	19.414	19
4. 5342.	.016	30.453	30
4. 5347.	.006	11.230	11
4. 5357.	.012	21.888	21

SAMPLE ID	X	TRANS	INT
4. 5362.	.006	11.039	11
4. 5372.	.001	1.903	1
4. 5382.	.009	17.891	17
4. 5394.	.008	15.988	15
4. 5404.	-99.000	-99.000	-98
4. 5414.	.008	15.417	15
4. 5424.	.010	18.843	18
4. 5434.	.013	23.982	23
4. 5444.	.009	16.178	16
4. 5447.	.011	21.317	21
4. 5457.	.009	17.130	17
4. 5467.	.008	15.036	15
5. 321.	.008	14.846	14
5. 331.	-99.000	-99.000	-98
5. 341.	-99.000	-99.000	-98
5. 344.	-99.000	-99.000	-98
5. 354.	-99.000	-99.000	-98
5. 365.	-99.000	-99.000	-98
5. 372.	-99.000	-99.000	-98
5. 382.	.022	41.302	41
5. 392.	.019	35.782	35
5. 401.	-99.000	-99.000	-98
5. 411.	-99.000	-99.000	-98
5. 421.	-99.000	-99.000	-98
5. 431.	-99.000	-99.000	-98
5. 441.	-99.000	-99.000	-98
5. 451.	-99.000	-99.000	-98
5. 458.	-99.000	-99.000	-98
5. 468.	-99.000	-99.000	-98
5. 478.	-99.000	-99.000	-98
5. 485.	-99.000	-99.000	-98
5. 495.	-99.000	-99.000	-98
5. 505.	-99.000	-99.000	-98
5. 515.	-99.000	-99.000	-98
5. 525.	-99.000	-99.000	-98
5. 537.	-99.000	-99.000	-98
5. 547.	-99.000	-99.000	-98
5. 557.	-99.000	-99.000	-98
5. 564.	-99.000	-99.000	-98
5. 574.	-99.000	-99.000	-98
5. 584.	.024	46.060	46
5. 592.	.024	45.109	45
5. 602.	-99.000	-99.000	-98
6. 927.	.028	52.341	52
6. 937.	-99.000	-99.000	-98
6. 947.	.017	31.785	31
6. 951.	-99.000	-99.000	-98
6. 961.	.021	40.160	40
6. 971.	-99.000	-99.000	-98
6. 980.	.025	48.154	48

SAMPLE ID	X	TRANS	INT
6. 990.	-99.000	-99.000	-98
6. 1000.	.032	60.335	60
6. 1010.	-99.000	-99.000	-98
6. 1020.	.012	22.459	22
6. 1030.	-99.000	-99.000	-98
6. 1040.	-99.000	-99.000	-98
6. 1050.	-99.000	-99.000	-98
6. 1060.	-99.000	-99.000	-98
6. 1070.	-99.000	-99.000	-98
6. 1080.	-99.000	-99.000	-98
6. 1090.	-99.000	-99.000	-98
6. 1100.	-99.000	-99.000	-98
6. 1110.	-99.000	-99.000	-98
6. 1120.	-99.000	-99.000	-98
6. 1130.	-99.000	-99.000	-98
6. 1140.	-99.000	-99.000	-98
7. 2103.	.013	24.743	24
7. 2191.	.007	13.704	13
7. 2220.	-99.000	-99.000	-98
7. 2230.	.010	19.414	19
7. 2239.	.011	20.556	20
7. 2251.	.010	19.414	19
7. 2259.	.008	15.417	15
7. 2271.	.010	19.414	19
7. 2281.	.002	3.807	3
7. 2290.	.011	21.127	21
7. 2300.	.004	6.662	6
7. 2310.	.006	11.801	11
7. 2319.	.006	11.991	11
8. 2495.	.025	47.393	47
8. 2505.	.003	6.471	6
8. 2515.	.003	17.320	17
8. 2528.	.010	19.414	19
8. 2536.	.010	18.843	18
8. 2547.	.012	23.411	23
8. 2554.	.005	8.565	8
8. 2565.	.009	16.940	16
8. 2575.	.011	21.698	21
8. 2585.	.009	17.891	17
8. 2595.	.008	14.846	14
9. 3494.	.012	22.650	22
9. 3506.	.015	27.598	27
9. 3516.	.011	21.698	21
9. 3526.	.010	19.414	19
9. 3536.	.014	26.456	26
9. 3545.	.014	25.885	25
9. 3555.	.015	28.360	28
9. 3564.	.017	31.405	31
9. 3575.	.010	19.795	19
9. 3585.	.009	16.749	16

SAMPLE ID	X	TRANS	INT
9. 3593.	.011	20.175	20
9. 3605.	.005	8.565	8
9. 3606.	.012	22.079	22
9. 3606.	.007	12.943	12
9. 3616.	.013	23.792	23
9. 3626.	.015	27.789	27
9. 3634.	.016	31.024	31
9. 3644.	.009	17.701	17
9. 3644.	.016	29.502	29
9. 3665.	.010	19.795	19
9. 3675.	.015	29.311	29
9. 3685.	.012	23.411	23
9. 3695.	.014	25.695	25
9. 3705.	.015	27.979	27
9. 3711.	.013	24.743	24
10. 2700.	.014	26.266	26
10. 2710.	-99.000	-99.000	-98
10. 2720.	.009	16.559	16
10. 2730.	.007	13.514	13
10. 2740.	-99.000	-99.000	-98
10. 2750.	.016	30.073	30
10. 2753.	-99.000	-99.000	-98
10. 2763.	.014	25.695	25
10. 2773.	-99.000	-99.000	-98
10. 2783.	.014	25.695	25
10. 2793.	-99.000	-99.000	-98
10. 2803.	.011	20.175	20
10. 2811.	-99.000	-99.000	-98
10. 2821.	.011	20.556	20
10. 2841.	-99.000	-99.000	-98
10. 2851.	.015	27.789	27
10. 2861.	-99.000	-99.000	-98
10. 2869.	.014	26.456	26
10. 2879.	-99.000	-99.000	-98
10. 2889.	-99.000	-99.000	-98
10. 2899.	.012	23.601	23
10. 2909.	-99.000	-99.000	-98
10. 2919.	.016	30.263	30
10. 2927.	-99.000	-99.000	-98
10. 2937.	.014	26.266	26
10. 2947.	-99.000	-99.000	-98
10. 2957.	.010	18.462	18
10. 2967.	-99.000	-99.000	-98
10. 2977.	.010	19.414	19
10. 2985.	-99.000	-99.000	-98
10. 2995.	.011	19.985	19
10. 3005.	-99.000	-99.000	-98
10. 3015.	.009	17.511	17
10. 3025.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
10. 3035.	.017	32.737	32
10. 3044.	-99.000	-99.000	-98
10. 3054.	.014	27.927	27
10. 3064.	-99.000	-99.000	-98
10. 3074.	-99.000	-99.000	-98
10. 3084.	.015	27.789	27
10. 3094.	-99.000	-99.000	-98
10. 3102.	.024	45.489	45
10. 3112.	-99.000	-99.000	-98
10. 3122.	.029	55.387	55
10. 3132.	-99.000	-99.000	-98
10. 3144.	-99.000	-99.000	-98
10. 3152.	.019	35.402	35
10. 3161.	-99.000	-99.000	-98
10. 3171.	-99.000	-99.000	-98
10. 3181.	.020	37.666	37
10. 3191.	-99.000	-99.000	-98
10. 3201.	.021	40.731	40
10. 3211.	-99.000	-99.000	-98
10. 3220.	.014	26.076	26
10. 3230.	-99.000	-99.000	-98
10. 3240.	.014	26.647	26
10. 3253.	-99.000	-99.000	-98
10. 3262.	.021	39.779	39
10. 3272.	-99.000	-99.000	-98
10. 3282.	.019	36.734	36
10. 3292.	-99.000	-99.000	-98
10. 3302.	-99.000	-99.000	-98
10. 3311.	.011	21.508	21
10. 3321.	-99.000	-99.000	-98
10. 3331.	.009	17.701	17
10. 3341.	-99.000	-99.000	-98
10. 3351.	.008	14.656	14
10. 3361.	-99.000	-99.000	-98
10. 3369.	.009	16.559	16
10. 3380.	-99.000	-99.000	-98
10. 3389.	-99.000	-99.000	-98
11. 3012.	.006	11.420	11
11. 3022.	.008	15.227	15
11. 3043.	.007	12.562	12
11. 3051.	.009	16.179	16
11. 3056.	.009	16.940	16
11. 3063.	.010	19.033	19
11. 3067.	.011	20.937	20
11. 3074.	.011	20.175	20
11. 3080.	.008	15.798	15
11. 3080.	.011	20.175	20
11. 3086.	.010	18.843	18
11. 3094.	.005	9.897	9
11. 3099.	.008	14.656	14
11. 3106.	.008	15.988	15

VARIABLE% MAX POR V MAX% .489 MIN% .001 F% 128.940

SAMPLE ID	X	TRANS	INT
1. 2746.	.489	63.000	63
1. 2755.	.014	1.728	1
1. 2782.	.017	2.128	2
1. 2797.	.013	1.599	1
1. 2797.	.025	3.082	3
1. 2802.	.019	2.334	2
1. 2827.	.020	2.489	2
1. 2832.	.016	1.934	1
1. 2837.	.011	1.277	1
1. 2842.	.036	4.474	4
1. 2852.	.029	3.572	3
1. 2897.	.015	1.818	1
1. 2927.	.013	1.612	1
1. 2937.	-99.000	-99.000	-98
1. 2941.	.026	3.223	3
1. 2947.	.013	1.560	1
1. 2959.	.016	1.986	1
1. 2964.	.016	1.895	1
1. 2994.	.016	1.908	1
1. 2999.	.016	1.895	1
1. 3039.	.016	1.973	1
1. 3064.	.020	2.424	2
1. 3085.	.018	2.153	2
1. 3090.	.018	2.166	2
1. 3100.	.019	2.398	2
1. 3181.	.013	1.612	1
1. 3135.	.011	1.341	1
1. 3140.	.016	2.011	2
1. 3145.	.016	1.947	1
1. 3150.	.012	1.418	1
1. 3155.	.015	1.805	1
1. 3165.	.015	1.844	1
1. 3175.	.014	1.689	1
1. 3180.	.017	2.024	2
1. 3198.	.018	2.231	2
1. 3218.	.015	1.805	1
1. 3228.	.013	1.612	1
1. 3229.	.016	2.011	2
1. 3243.	.018	2.205	2
1. 3248.	-99.000	-99.000	-98
1. 3268.	.020	2.437	2
1. 3276.	.020	2.411	2
1. 3290.	.027	3.352	3
1. 3310.	.016	1.973	1
1. 3316.	.016	1.934	1
1. 3326.	.018	2.231	2
1. 3341.	.017	2.037	2
1. 3346.	.013	1.599	1
1. 3366.	.019	2.398	2
1. 3381.	.014	1.689	1

SAMPLE ID	X	TRANS	INT
1. 3396.	.017	2.115	2
1. 3426.	.016	1.908	1
1. 3467.	.014	1.728	1
1. 3482.	.014	1.741	1
1. 3543.	.022	2.746	2
1. 3588.	.016	1.986	1
1. 3543.	.019	2.321	2
1. 3553.	.016	2.011	2
1. 3573.	.008	.928	0
1. 3578.	.010	1.238	1
1. 3588.	.014	1.663	1
1. 3593.	.011	1.302	1
1. 3606.	.016	1.966	1
1. 3631.	.016	1.934	1
1. 3636.	.016	1.947	1
1. 3651.	.011	1.289	1
1. 3701.	.017	2.063	2
1. 3724.	.019	2.385	2
1. 3748.	.025	3.133	3
1. 3773.	.020	2.424	2
1. 3782.	.021	2.592	2
1. 3792.	.024	2.966	2
1. 3797.	.022	2.682	2
1. 3807.	.029	3.623	3
1. 3818.	.020	2.514	2
1. 3849.	.020	2.514	2
1. 3858.	.019	2.282	2
1. 3860.	.021	2.630	2
1. 3869.	.018	2.192	2
1. 3874.	.026	3.223	3
1. 3880.	.016	1.921	1
1. 3908.	.016	1.947	1
1. 3925.	.014	1.676	1
1. 3939.	.020	2.411	2
1. 3998.	.018	2.153	2
1. 4045.	.018	2.192	2
2. 2655.	.011	1.289	1
2. 2710.	.018	2.244	2
2. 2761.	.023	2.862	2
2. 3000.	.016	1.960	1
2. 3025.	.017	2.076	2
2. 3050.	.027	3.404	3
2. 3101.	.012	1.483	1
2. 3303.	.018	2.269	2
2. 3328.	.015	1.792	1
2. 3378.	.010	1.148	1
2. 3428.	.018	2.153	2
2. 3478.	.016	1.947	1
2. 3528.	.014	1.689	1
2. 3896.	.004	.374	0

SAMPLE ID	X	TRANS	INT
2. 3922.	.019	2.385	2
2. 3961.	.010	1.148	1
2. 3971.	.012	1.496	1
3. 2434.	.015	1.805	1
3. 2444.	.024	2.966	2
3. 2454.	.008	.928	0
3. 2463.	.016	1.986	1
3. 2464.	-99.000	-99.000	-98
3. 2474.	.014	1.741	1
3. 2494.	.016	1.908	1
3. 2504.	.014	1.663	1
3. 2514.	.023	2.850	2
3. 2514.	.017	2.076	2
3. 2524.	.015	1.779	1
3. 2534.	.015	1.805	1
3. 2545.	.030	3.713	3
3. 2555.	.016	1.947	1
3. 2565.	.020	2.527	2
3. 2565.	.020	2.489	2
3. 2575.	.017	2.115	2
3. 2586.	.037	4.603	4
3. 2588.	.018	2.231	2
3. 2595.	.014	1.715	1
3. 2607.	.015	1.857	1
3. 2617.	.018	2.179	2
3. 2617.	.013	1.560	1
3. 2637.	.013	1.509	1
3. 2646.	.019	2.398	2
3. 2656.	.020	2.437	2
3. 2666.	.019	2.372	2
3. 2666.	.019	2.308	2
3. 2676.	.011	1.251	1
3. 2686.	.015	1.766	1
3. 2686.	.011	1.251	1
3. 2696.	.018	2.153	2
3. 2705.	.018	2.192	2
3. 2715.	.019	2.385	2
3. 2725.	.038	4.822	4
3. 2725.	.023	2.914	2
3. 2735.	.019	2.282	2
3. 2745.	.011	1.341	1
3. 2755.	.015	1.883	1
3. 2763.	.019	2.295	2
3. 2773.	.017	2.050	2
3. 2784.	.012	1.470	1
3. 2784.	-99.000	-99.000	-98
3. 2793.	.015	1.805	1
3. 2802.	.031	3.946	3
3. 2814.	.015	1.818	1
3. 2822.	.010	1.225	1

SAMPLE ID	X	TRANS	INT
3. 2830.	.034	4.216	4
3. 2842.	.015	1.766	1
3. 2842.	.019	2.372	2
3. 2852.	.013	1.625	1
3. 2862.	.024	2.953	2
3. 2872.	.021	2.566	2
3. 2881.	.037	4.616	4
3. 2891.	.017	2.037	2
3. 2901.	.019	2.360	2
3. 2901.	.018	2.179	2
3. 2911.	.017	2.128	2
3. 2921.	.015	1.883	1
3. 2931.	.016	1.986	1
3. 2940.	.020	2.527	2
3. 2950.	.015	1.844	1
3. 2960.	.012	1.483	1
3. 2960.	-99.000	-99.000	-98
3. 2970.	.016	1.934	1
3. 2980.	.022	2.734	2
3. 2990.	.019	2.308	2
3. 2999.	.013	1.586	1
3. 3009.	.015	1.883	1
3. 3019.	.014	1.754	1
3. 3019.	.017	2.102	2
3. 3029.	.025	3.069	3
3. 3038.	.017	2.128	2
3. 3049.	.029	3.649	3
3. 3054.	.016	1.986	1
3. 3069.	.014	1.663	1
3. 3069.	.012	1.444	1
3. 3079.	.018	2.244	2
3. 3089.	.016	1.095	1
3. 3099.	.019	2.282	2
3. 3107.	.015	1.818	1
3. 3117.	.015	1.805	1
3. 3127.	.015	1.857	1
3. 3137.	.028	3.520	3
3. 3137.	.037	4.642	4
3. 3146.	.026	3.198	3
3. 3157.	.024	2.966	2
3. 3166.	.027	3.430	3
3. 3176.	.041	5.183	5
3. 3186.	.018	2.153	2
3. 3186.	.014	1.689	1
3. 3196.	.020	2.501	2
3. 3196.	.024	2.927	2
3. 3206.	.018	2.231	2
3. 3216.	.012	1.496	1
3. 3224.	.026	3.275	3
3. 3234.	.021	2.656	2

SAMPLE ID	X	TRANS	INT
3. 3244.	.021	2.566	2
3. 3244.	.027	3.340	3
3. 3254.	.018	2.256	2
3. 3264.	.011	1.341	1
3. 3274.	.024	2.966	2
3. 3284.	.025	3.133	3
3. 3294.	.037	4.681	4
3. 3304.	.022	2.734	2
3. 3304.	.034	4.332	4
3. 3310.	-99.000	-99.000	-98
3. 3315.	.022	2.785	2
3. 3325.	.019	2.282	2
3. 3335.	.021	2.617	2
3. 3345.	.020	2.476	2
3. 3345.	.028	3.559	3
3. 3355.	.019	2.360	2
3. 3365.	.016	1.921	1
3. 3375.	.016	1.908	1
3. 3384.	.010	1.173	1
3. 3394.	.031	3.830	3
3. 3404.	.011	1.264	1
3. 3404.	.027	3.314	3
4. 4872.	.012	1.380	1
4. 4882.	.021	2.540	2
4. 4892.	.024	2.927	2
4. 4902.	-99.000	-99.000	-98
4. 4912.	.018	2.244	2
4. 4922.	.018	2.231	2
4. 4930.	.011	1.315	1
4. 4940.	.016	1.973	1
4. 4950.	.013	1.573	1
4. 4960.	.016	1.973	1
4. 4970.	.011	1.302	1
4. 4980.	.016	1.999	2
4. 5212.	.012	1.457	1
4. 5222.	.017	2.128	2
4. 5232.	.008	.915	0
4. 5242.	.014	1.728	1
4. 5253.	.015	1.857	1
4. 5263.	.018	2.166	2
4. 5273.	.018	2.153	2
4. 5283.	.001	0.000	0
4. 5293.	.010	1.173	1
4. 5303.	.016	2.011	2
4. 5312.	.015	1.818	1
4. 5322.	.018	2.192	2
4. 5332.	.014	1.754	1
4. 5342.	.022	2.669	2
4. 5347.	.010	1.135	1
4. 5357.	.017	2.128	2

SAMPLE ID	X	TRANS	INT
4. 5362.	.012	1.444	1
4. 5372.	.005	.516	0
4. 5382.	.013	1.560	1
4. 5394.	.013	1.521	1
4. 5404.	-99.000	-99.000	-98
4. 5414.	.013	1.573	1
4. 5424.	.015	1.831	1
4. 5434.	.019	2.295	2
4. 5444.	.016	1.921	1
4. 5447.	.016	1.908	1
4. 5457.	.014	1.728	1
4. 5467.	.014	1.638	1
5. 321.	.014	1.609	1
5. 331.	-99.000	-99.000	-98
5. 341.	-99.000	-99.000	-98
5. 344.	-99.000	-99.000	-98
5. 354.	-99.000	-99.000	-98
5. 365.	-99.000	-99.000	-98
5. 372.	-99.000	-99.000	-98
5. 382.	.053	6.666	6
5. 392.	.048	6.086	6
5. 401.	-99.000	-99.000	-98
5. 411.	-99.000	-99.000	-98
5. 421.	-99.000	-99.000	-98
5. 431.	-99.000	-99.000	-98
5. 441.	-99.000	-99.000	-98
5. 451.	-99.000	-99.000	-98
5. 458.	-99.000	-99.000	-98
5. 468.	-99.000	-99.000	-98
5. 478.	-99.000	-99.000	-98
5. 485.	-99.000	-99.000	-98
5. 495.	-99.000	-99.000	-98
5. 505.	-99.000	-99.000	-98
5. 515.	-99.000	-99.000	-98
5. 525.	-99.000	-99.000	-98
5. 537.	-99.000	-99.000	-98
5. 547.	-99.000	-99.000	-98
5. 557.	-99.000	-99.000	-98
5. 564.	-99.000	-99.000	-98
5. 574.	-99.000	-99.000	-98
5. 584.	.032	4.023	4
5. 592.	.028	3.507	3
5. 602.	-99.000	-99.000	-98
6. 927.	.054	6.821	6
6. 937.	-99.000	-99.000	-98
6. 947.	.041	5.119	5
6. 951.	-99.000	-99.000	-98
6. 961.	.047	5.944	5
6. 971.	-99.000	-99.000	-98
6. 980.	.052	6.653	6

SAMPLE ID	X	TRANS	INT
6. 990.	-99.000	-99.000	-98
6. 1000.	.058	7.375	7
6. 1010.	-99.000	-99.000	-98
6. 1020.	.024	2.927	2
6. 1030.	-99.000	-99.000	-98
6. 1040.	-99.000	-99.000	-98
6. 1050.	-99.000	-99.000	-98
6. 1060.	-99.000	-99.000	-98
6. 1070.	-99.000	-99.000	-98
6. 1080.	-99.000	-99.000	-98
6. 1090.	-99.000	-99.000	-98
6. 1100.	-99.000	-99.000	-98
6. 1110.	-99.000	-99.000	-98
6. 1120.	-99.000	-99.000	-98
6. 1130.	-99.000	-99.000	-98
6. 1140.	-99.000	-99.000	-98
7. 2103.	.022	2.759	2
7. 2191.	.012	1.405	1
7. 2220.	-99.000	-99.000	-98
7. 2230.	.015	1.779	1
7. 2239.	.017	2.102	2
7. 2251.	.016	1.895	1
7. 2259.	.015	1.805	1
7. 2271.	.015	1.844	1
7. 2281.	.005	.516	0
7. 2290.	.017	2.089	2
7. 2300.	.006	.709	0
7. 2310.	.010	1.148	1
7. 2319.	.011	1.328	1
8. 2495.	.036	4.564	4
8. 2505.	.008	.864	0
8. 2515.	.015	1.883	1
8. 2528.	.016	1.973	1
8. 2536.	.016	2.011	2
8. 2547.	.019	2.295	2
8. 2554.	.009	1.070	1
8. 2565.	.015	1.792	1
8. 2575.	.018	2.153	2
8. 2585.	.016	1.950	1
8. 2595.	.013	1.586	1
9. 3494.	.019	2.308	2
9. 3506.	.019	2.354	2
9. 3516.	.017	2.063	2
9. 3526.	.017	2.024	2
9. 3536.	.020	2.514	2
9. 3545.	.019	2.372	2
9. 3555.	.020	2.501	2
9. 3564.	.023	2.824	2
9. 3575.	.016	1.908	1
9. 3585.	.014	1.676	1

SAMPLE ID	X	TRANS	INT
9. 3593.	.016	1.960	1
9. 3605.	.011	1.328	1
9. 3606.	.017	2.063	2
9. 3606.	.011	1.354	1
9. 3616.	.020	2.501	2
9. 3626.	.021	2.630	2
9. 3634.	.022	2.721	2
9. 3644.	.015	1.883	1
9. 3644.	.023	2.888	2
9. 3665.	.015	1.844	1
9. 3675.	.023	2.811	2
9. 3685.	.017	2.115	2
9. 3695.	.019	2.385	2
9. 3705.	.020	2.501	2
9. 3711.	.019	2.321	2
10. 2700.	.020	2.437	2
10. 2710.	-99.000	-99.000	-98
10. 2720.	.015	1.844	1
10. 2730.	.013	1.560	1
10. 2740.	-99.000	-99.000	-98
10. 2750.	.022	2.785	2
10. 2753.	-99.000	-99.000	-98
10. 2763.	.019	2.398	2
10. 2773.	-99.000	-99.000	-98
10. 2783.	.019	2.398	2
10. 2793.	-99.000	-99.000	-98
10. 2803.	.017	2.102	2
10. 2811.	-99.000	-99.000	-98
10. 2821.	.017	2.063	2
10. 2841.	-99.000	-99.000	-98
10. 2851.	.021	2.579	2
10. 2861.	-99.000	-99.000	-98
10. 2869.	.027	3.417	3
10. 2879.	-99.000	-99.000	-98
10. 2889.	-99.000	-99.000	-98
10. 2899.	.019	2.295	2
10. 2909.	-99.000	-99.000	-98
10. 2919.	.022	2.695	2
10. 2927.	-99.000	-99.000	-98
10. 2937.	.020	2.501	2
10. 2947.	-99.000	-99.000	-98
10. 2957.	.016	1.895	1
10. 2967.	-99.000	-99.000	-98
10. 2977.	.016	1.999	2
10. 2985.	-99.000	-99.000	-98
10. 2995.	.016	1.986	1
10. 3005.	-99.000	-99.000	-98
10. 3015.	.015	1.766	1
10. 3025.	-99.000	-99.000	-98

SAMPLE ID	X	TRANS	INT
10. 3035.	.023	2.888	2
10. 3044.	-99.000	-99.000	-98
10. 3054.	.021	2.566	2
10. 3064.	-99.000	-99.000	-98
10. 3074.	-99.000	-99.000	-98
10. 3084.	.020	2.501	2
10. 3094.	-99.000	-99.000	-98
10. 3102.	.031	3.830	3
10. 3112.	-99.000	-99.000	-98
10. 3122.	.039	4.861	4
10. 3132.	-99.000	-99.000	-98
10. 3144.	-99.000	-99.000	-98
10. 3152.	.026	3.198	3
10. 3161.	-99.000	-99.000	-98
10. 3171.	-99.000	-99.000	-98
10. 3181.	.028	3.443	3
10. 3191.	-99.000	-99.000	-98
10. 3201.	.029	3.675	3
10. 3211.	-99.000	-99.000	-98
10. 3220.	.020	2.489	2
10. 3230.	-99.000	-99.000	-98
10. 3240.	.020	2.476	2
10. 3253.	-99.000	-99.000	-98
10. 3262.	.028	3.507	3
10. 3272.	-99.000	-99.000	-98
10. 3282.	.027	3.327	3
10. 3292.	-99.000	-99.000	-98
10. 3302.	-99.000	-99.000	-98
10. 3311.	.016	1.973	1
10. 3321.	-99.000	-99.000	-98
10. 3331.	.017	2.024	2
10. 3341.	-99.000	-99.000	-98
10. 3351.	.016	1.973	1
10. 3361.	-99.000	-99.000	-98
10. 3369.	.016	1.908	1
10. 3380.	-99.000	-99.000	-98
10. 3389.	-99.000	-99.000	-98
11. 3012.	.013	1.586	1
11. 3022.	.014	1.728	1
11. 3043.	.013	1.534	1
11. 3051.	.014	1.715	1
11. 3056.	.015	1.883	1
11. 3063.	.017	2.115	2
11. 3067.	.018	2.179	2
11. 3074.	.017	2.024	2
11. 3080.	.016	1.960	1
11. 3080.	.018	2.179	2
11. 3086.	.018	2.153	2
11. 3094.	.011	1.289	1
11. 3099.	.013	1.599	1
11. 3106.	.014	1.741	1

TO DECIDE	MULT BY	AND ADD
WELL CODE	.159	1.000
DEPTH	81.683	321.000
CMP NUT PR	.397	0.000
NEUT POROS	.238	20.000
BULK DNSTY	.022	1.575
SCND POROS	.095	0.000
PCT POROSY	.127	0.000
GAMA RAY	7.698	0.000
RESISTIVITY	31.571	16.000
CONDUCTIVITY	.635	0.000
16 IN N RS	28.524	3.000
64 IN N RS	23.603	13.000
10.5 FT I	25.222	11.000
SURF EXPOS	.062	0.000
METHANE	1.293	.110
ETHANE	.391	0.000
PROPANE	.217	0.000
BUTANE	.069	0.000
PENTANE	.159	0.000
NITROGEN	1.528	1.400
OXYGEN	.355	0.000
CO2	.357	0.000
TOTAL C	.230	.200
SURFACE A	.375	.360
CORREC PRS	37.698	525.000
HC GAS	1.587	0.000
GAS/SH VOL	.052	0.000
AV BLK DN	.019	2.233
TOTL POROS	.683	0.000
SHOI WT LG	2.206	.99.000
MEAN POR V	.001	0.000
MAX POR V	.000	.001

APPENDIX D

AIDDATA Subroutine For Case Exclusion


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..... SUBROUTINE DIMDATA (SKIP,DATA,ZZZZ).....
000005      COMMON /D(3000)
000006      LOGICAL SKIP, DIMENSION(DATA(1))
000007      DO 10 I=1,20
000007      IF (DATA(I).EQ.999) SKIP=.T.
000010      RETURN
000015      END

```

.....
ALPHABET

.....
SUBPROGRAM LENGTH

000025

.....
FUNCTION ASSIGNMENTS

.....
STATEMENT ASSIGNMENTS

BLOCK NAMES AND LENGTHS

.....
- 005670

.....
VARIABLE ASSIGNMENTS

.....
000000001 1..... 000024

STATE OF CONSTANTS

.....
000017

.....
STATE OF TEMPORARIES

.....
000021

STATE OF INDIRECTS

.....
000023

.....
UNUS'D COMPLETE SPACE

.....
010400

LOAD MAP -- AID
OVERLAY (AID0.0.0)

CYBER LOADER 1.0-416

06/01/75 11.18.57.

PAGE

OVERLAY (AID0.0.0).....

FWA OF THE LOAD AID

LWA+1 OF THE LOAD 24525

TRANSFER ADDRESS -- AID 4676

PROGRAM AND BLOCK ASSIGNMENTS.

BLOCK	ADDRESS	LENGTH	FILE	DATE	PROCESSR	VER	LEVEL	HARDWARE	COMMENTS
/PROGRAM/	101	4562							
/DOUBLE/	4663	12							
AID	4675	6372	NEW	07/24/74	RUN	2	.3	74135	
BASE	13287	35	NEW	07/24/74	RUN	2	.3	74135	
BASE1	13329	12	NEW	07/24/74	COMPASS	3		74085	
BASE1	13336	21	NEW	07/24/74	RUN	2	.3	74135	
AIDDATA	13357	25	NEW	06/01/74	RUN	2	.3	76211	
TSDET	13406	6	SL-RUN2P3	11/19/72	COMPASS	3		72289	
SYSTEM	13417	1067	SL-RUN2P3	06/20/75	COMPASS	3		75170	
OVERLAY	14501	123	SL-RUN2P3	06/20/75	COMPASS	3		75170	
GEIBA	14629	17	SL-SYST0	06/20/75	COMPASS	3		75170	
ST04	14643	1505	SL-SYST0	06/20/75	COMPASS	3		75170	
UCLOAD	16350	265	SL-NUCLEUS	02/11/76	COMPASS	3		2-414	
ZZ	16635	5670							

L76042 LOADER USER CALL INTERFACE ROUTINE.

372

OVERLAY (AID0.0.0)

FWA OF THE LOAD 24526

LWA+1 OF THE LOAD 46620

TRANSFER ADDRESS -- EDITOR 24527

PROGRAM AND BLOCK ASSIGNMENTS.

BLOCK	ADDRESS	LENGTH	FILE	DATE	PROCESSR	VER	LEVEL	HARDWARE	COMMENTS
EDITOR	24526	1362	NEW	07/24/74	RUN	2	.3	74135	
PRM1	30110	963	NEW	07/24/74	RUN	2	.3	74135	
CLOCK	30573	29	SL-RUN2P3	11/20/72	COMPASS	3		72289	
ACGOLF	30617	12	SL-RUN2P3	06/20/75	COMPASS	3		75170	
DRATE	30631	59	SL-RUN2P3	06/20/75	COMPASS	3		75170	
DSOBI	30709	60	SL-RUN2P3	06/20/75	COMPASS	3		75170	

CLOCK WILL SOON BE CHANGED, USE TIME AND DATE

[illegible]

TEMP15	30765	61	SL-R0062P3	06720775	COMPASS	3..75170	
TEMP15	31067	70	SL-R0062P3	06720775	COMPASS	3..75170	
TEMP11	31177	57	SL-R0062P3	06720775	COMPASS	3..75170	
TEMP11	31717	65	SL-R0062P3	06720775	COMPASS	3..75170	
TEMP19	31769	106	SL-R0062P3	06720775	COMPASS	3..75170	
TEMP10	32349	72	SL-R0062P3	06720775	COMPASS	3..75170	
TEMP10	32672	121	SL-R0062P3	06720775	COMPASS	3..75170	
TEMP10	32753	1257	SL-R0062P3	06720775	COMPASS	3..75170	
TEMP11	36272	249	SL-R0062P3	06720775	COMPASS	3..75170	
TEMP11	36476	63	SL-R0062P3	06720775	COMPASS	3..75170	
SYSTEM	06551	37	SL-R0011E5	02713776	COMPASS	3..2-476	PROCESS SYSTEM REQUEST

CVE ID: **AV (A) 10X20, 20.0**

FN of Brit. (2041) 24526

~~WAG~~ ~~OF THE~~ ~~LOAD~~ ~~33572~~

FRANKLIN ADDRESS TO THE RATE.....24527

MODULE AND BLOCK ASSIGNMENTS

QUEUE	ADDRESS	LENGTH	FILE	DATE	PROCESSR	VER	LEVEL	HARDWARE	COMMENTS
FILEDATE	24526	416	NEW	01/24/74	RUN	2	3	74135	
CLOCK	30664	24	SL-RUN2P1	11/26/72	COMPASS	3	72289		CLOCK WILL SOON BE CHANGED, USE TIME AND DATE
ACQDER	30670	12	SL-RUN2P3	06/20/75	COMPASS	3	75170		
CGPT	30796	43	SL-RUN2P3	06/20/75	COMPASS	3	75170		
INPUTS	30795	61	SL-RUN2P4	06/20/75	COMPASS	3	75170		
OUTPUTS	31020	70	SL-RUN2P4	06/20/75	COMPASS	3	75170		
KODER	31116	1257	SL-RUN2P4	06/20/75	COMPASS	3	75170		
KIZAKER	32375	1084	SL-RUN2P3	06/20/75	COMPASS	3	75170		
CGPTC	33441	72	SL-RUN2P3	06/20/75	COMPASS	3	75170		
SYSPRM	33543	37	SL-NUCLEUS	06/13/76	COMPASS	3	76414		PROCESS SYSTEM REQUEST.

LOAD MAP - ALL

CYBER LOADER 1.0-414

06/20/78 11.10.57.

PAGE

1

OVERLAY (A10X31.3.01)

BLOCK	ADDRESS	LENGTH	FILE	DATE	PROCESSOR	VER	LEVEL	HARDWARE	COMMENTS
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PROGRAM AND BLOCK ASSIGNMENTS.

BLOCK	ADDR-SS	LENGTH	FILE	DATE	PROCESSOR	VER	LEVEL	HARDWARE	COMMENTS
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Z/TEST/	24520	4							
Z/REF/	24532	20600							
SUMMARY	45332	2122	NEW	07/24/74	RUN	2	3	74135	
ACQUER	47554	12	SL-RUN2P3	06/20/75	COMPASS	3	75170		
SORT	47566	63	SL-RUN2P3	06/20/75	COMPASS	3	75170		
EDIT II	47531	57	SL-RUN2P3	06/20/75	COMPASS	3	75170		
INPUT	47610	255	SL-RUN2P3	06/20/75	COMPASS	3	75170		
KODER	50466	1257	SL-RUN2P3	06/20/75	COMPASS	3	75170		
OUTPUT	51345	244	SL-RUN2P3	06/20/75	COMPASS	3	75170		
PLCIB	51611	63	SL-RUN2P3	06/20/75	COMPASS	3	75170		
OUTPIC	51674	72	SL-RUN2P3	06/20/75	COMPASS	3	75170		

OVERLAY (A10X31.3.01)

EVA OF THE LOAD 51767

LWA+1 OF THE LOAD 72460

TRANSFER ADDRESS -- ADDRREF 52114

PROGRAM AND BLOCK ASSIGNMENTS.

BLOCK	ADDRESS	LENGTH	FILE	DATE	PROCESSOR	VER	LEVEL	HARDWARE	COMMENTS
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Z/USCOM/	51767	311							
Z/FREEBLK/	52277	13							
ADDRREF	52313	164	NEW	07/29/74	RUN	2	3	74135	
NOOK	54154	75	NEW	07/29/74	RUN	2	3	74135	
EXITG	54251	131	NEW	07/29/74	RUN	2	3	74135	
GROUP	54432	127	NEW	07/29/74	RUN	2	3	74135	
SORTAR	54531	1354	NEW	07/29/74	RUN	2	3	74135	
SHIFTS	56199	17	SL-RUN2P3	11/13/77	COMPASS	3	75170		
ORARE	56123	57	SL-RUN2P3	06/20/75	COMPASS	3	75170		
KRACKP	56202	1044	SL-RUN2P3	06/20/75	COMPASS	3	75170		
PL0110	57246	32	SL-RUN2P3	07/09/75	COMPASS	3	75170		
CIRARG	57300	611	SL-RUN2P3	07/27/76	RUN	2	3	75171	
FRPZZ	57711	215	SL-RUN2P3	07/27/76	COMPASS	3	75171		
FMZZZ	60126	213	SL-RUN2P3	07/27/76	RUN	2	3	75171	
LE0006	60341	103	SL-RUN2P3	07/27/76	RUN	2	3	75171	
LE0005	60444	137	SL-RUN2P3	07/27/76	RUN	2	3	75171	

LOAD MAP - AID
OVERLAY (AIDX31.3.1)

CYBER LOADER 1.0-414

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BLOCK	ADDRESS	LENGTH	FILE	DATE	PROCESSOR	VER	LEVEL	HARDWARE	COMMENTS
BLTDLG	60603	132	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
QUADRG	60735	311	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
MPDCVT	61266	71	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
PAGE3	61357	233	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
POITIG	61612	60	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
PSE346	61672	505	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
SEGTIG	62377	62	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
QUADRG	62461	331	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
PMSCZZ	63012	116	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
PHYMDZ	63130	20	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
XMDZ	63150	16	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
XMDZ	63166	16	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
SELSMG	63209	1730	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
QUADRG	63134	129	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
SELSMG	65260	673	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
BLT4ZZ	65753	1015	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
PAGEZZ	66170	220	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
QUADRG	67216	533	SL-RUN2P3	01/29/76	COMPASS	3	2-414		
CLOCK	67751	29	SL-RUN2P3	11/20/72	COMPASS	3	72289		CLOCK WILL SOON BE CHANGED. USE TIME AND DATE
EXP	70175	57	SL-RUN2P3	06/20/75	COMPASS	3	75170		
ELGVAF	70054	5	SL-RUN2P3	06/20/75	COMPASS	3	75170		
ELVCOG	70051	77	SL-RUN2P3	06/20/75	COMPASS	3	75170		
ALVCOG	70160	67	SL-RUN2P3	06/20/75	COMPASS	3	75170		
ELVHIS	70247	61	SL-RUN2P3	06/20/75	COMPASS	3	75170		
ELVHIS	70340	70	SL-RUN2P3	06/20/75	COMPASS	3	75170		
ELVHIS	70420	41	SL-RUN2P3	06/20/75	COMPASS	3	75170		
ELVHIS	70461	697	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
SLCZZ	71070	120	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
ELVHIS	71210	20	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
XMDZ	71230	42	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
YMDZ	71272	42	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
SELSMG	71339	96	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
QUADRG	71402	697	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
PHYMDZ	72051	75	SL-RUN2P3	01/29/76	RUN	2	.3	75171	
CRC	72146	253	SL-RUN2P3	02/13/76	COMPASS	3	2-414		
SYSRM	72221	37	SL-RUN2P3	02/13/76	COMPASS	3	2-414		PROCESS SYSTEM REQUEST.

OVERLAY (AIDX32.3.1)

PWA OF Tot LOAD 51767

PWA+PWA OF Tot LOAD 50567

TRANSFERS ADDRESS 51767

PROCESSOR AND CLOCK 75170/75171

LOAD MAP - AID
OVERLAY (AIDx32.3.2).

CYBER LOADER 1.0-414

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BLOCK	ADDRESS	LENGTH	FILE	DATE	PROCESSR	VER	LEVEL	HARDWARE	COMMENTS
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BLOCK	ADDRESS	LENGTH	FILE	DATE	PROCESSR	VER	LEVEL	HARDWARE	COMMENTS
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DIR	51761	26	NEW	01/25/74	RUN	2	3	74135	
MODULA	52015	1135	NEW	01/25/74	RUN	2	3	74135	
MODULR	53152	97	NEW	01/25/74	EDG	2	3	74135	
MODULR	53221	524	NEW	01/25/74	RUN	2	3	74135	
MODULR	53745	115	NEW	01/25/74	RUN	2	3	74135	
DIR	54061	5	SL-RUN2P3	06/20/75	COMPASS	3		75170	
EXE	54065	51	SL-RUN2P3	06/20/75	COMPASS	3		75170	
SIBLOS	54149	77	SL-RUN2P3	06/20/75	COMPASS	3		75170	
ALPHAB	54243	67	SL-RUN2P3	06/20/75	COMPASS	3		75170	
DEAP	54332	137	SL-RUN2P3	06/20/75	COMPASS	3		75170	
ALPHAB	54471	176	SL-RUN2P3	06/20/75	COMPASS	3		75170	

4.580. CP SECONDS 376003 CM STORAGE USED 1 TABLE MOVE

APPENDIX E

MODEL FORMULAS

APPENDIX E

MODEL FORMULAS

FOR TOTAL:

Y_{α} = Value of dependent variable for the α th observation in the data

N = Total number of observations in the data

w_{α} = Weight value attached to the α th observation in the data

w_{α} = 1 if the data is unweighted

$W = \sum_{\alpha=1}^N w_{\alpha}$ = sum of weights*

$\Sigma Y = \sum_{\alpha=1}^N w_{\alpha} Y_{\alpha}$ = sum of Y

$\Sigma Y^2 = \sum_{\alpha=1}^N w_{\alpha} Y_{\alpha}^2$ = sum of Y-squared

$\bar{Y} = \frac{\Sigma Y}{W}$ = mean

$\sigma = \sqrt{\frac{1}{W} \left(\Sigma Y^2 - \frac{(\Sigma Y)^2}{W} \right)}$ = standard deviation*

$TSS_T = \Sigma Y^2 - \frac{(\Sigma Y)^2}{W}$ = total sum of squares

$BSS_T = \sum_{i=1}^K \frac{(\Sigma Y_i)^2}{W_i} - \frac{(\Sigma Y)^2}{W}$ = between-group sum of squares where the summation ($i = 1, 2, \dots, k-1, k$) is over the final unsplit groups

$WSS_T = TSS_T - BSS_T$ = within-group sum of squares

*If W is small, say $W < 50$, and the run is unweighted, then it may be advisable to correct for small sample sizes and $\sigma_{adj} = \sqrt{N/(N-1)}$ where N is the number of observations over which summation has taken place.

Gross Beta Coefficient B_x^2 ; the proportion of variance which could be explained by predictor x alone in a one-way analysis of variance over its c_x classes

$$B_x^2 = \frac{BSS_x}{TSS_T}$$

where TSS_T is defined as above and

$$BSS_x = \sum_{k=1}^{C_x} \frac{(\sum Y_k)^2}{W_k} - \frac{(\sum Y)^2}{W}$$

and C_x is the number of classes defined by predictor x .

Partial Beta Coefficient β_x^2 ; the proportion of variance explained by predictor x in the tree.

$$\beta_x^2 = \frac{\sum_i TSS_{ix} - \sum_j TSS_{jx}}{TSS_T}$$

where i is over all parent groups split by predictor x , and j is over all new groups formed by splitting a parent group on predictor x . An equivalent computational formula using program output is:

$$\beta_x^2 = \sum_i \frac{TSS_{ix}}{TSS_T} - \sum_j \frac{TSS_{jx}}{TSS_T}$$

The total proportion of variance explained by the tree is:

$$R^2 = \sum_{x=1}^{NP} \beta_x^2 = \frac{BSS_T}{TSS_T}$$

where NP is the number of predictors used in the analysis.

The reduction in unexplained variation from any one split is

$$D = \frac{TSS_i}{TSS_T} - \left(\left[\frac{TSS_j}{TSS_T} \right] + \left[\frac{TSS_k}{TSS_T} \right] \right)$$

where i is the identifier of the group being split and j and k are the identifiers of the resultant groups.

Formulas for the i'th Group

N_i = number of observations in the i'th group

$W_i = \sum_{\alpha=1}^{N_i} w_{\alpha} =$ sum of weights in the i'th group

$\sum Y_i = \sum_{\alpha=1}^{N_i} w_{\alpha} Y_{\alpha} =$ sum of Y in the i'th group

$\sum Y_i^2 = \sum_{\alpha=1}^{N_i} w_{\alpha} Y_{\alpha}^2 =$ sum of Y squared in the i'th group

$\bar{Y}_i =$ mean of the i'th group

$TSS_i = \sum_{\alpha=1}^{N_i} w_{\alpha} Y_{\alpha}^2 - \frac{\left(\sum_{\alpha=1}^{N_i} w_{\alpha} Y_{\alpha} \right)^2}{W_i} =$ total sum of squares in the i'th group

$\sigma_i = \sqrt{\frac{TSS_i}{W_i}}$

$D_i = \bar{Y}_i - \bar{Y} =$ deviation of the mean of the i'th group from the grand mean

$\frac{TSS_i}{TSS_T} =$ proportion of the original total sum of squares still left in the i'th group

$\frac{W_i}{W} \times 100 =$ per cent of total = (weighted) proportion of the observations in the i'th group

$\frac{\left(\sum_{\alpha=1}^{N_i} w_{\alpha} Y_{\alpha} \right)^2}{W_i} =$ weighted mean square for the i'th group

PA = PCT1 (an input parameter) times TSS_T . If the i'th group is to become a candidate for splitting, then $PA \leq TSS_i$.

PB = PCT2 (an input parameter) times TSS_T . In order for an attempted split on group i to be allowed the requirement $PB \leq BSS_{mpi}$ must be met.

$$BSS_{mpi} = \frac{\left(\sum_{j=0}^m y_j \right)^2}{\sum W_j} + \frac{\left(\sum_{j=m+1}^c y_j \right)^2}{\sum W_j} - \frac{\left(\sum_{j=0}^c y_j \right)^2}{\sum W_j}$$

where m is the split between the m 'th and $m+1$ st classes of predictor p over group i . C is the maximum value attained by predictor p .

BSS_{mpi} is maximized over all classes of all predictors over group i .

The split of group i occurs after selection of the maximum BSS_{mpi} and occurs only if the criterion $PB \leq BSS_{mpi}$ is met. There are $C-1$ elements in the BSS column produced by the partition scan output. These are the BSS_{mpi} . The C 'th element is TSS_i for the group being split. Ratio of variation in group i explained by unsuccessful predictor r in attempted partitioning of group i , $BSS/TSS = BSS_{mpr}/TSS_i$.