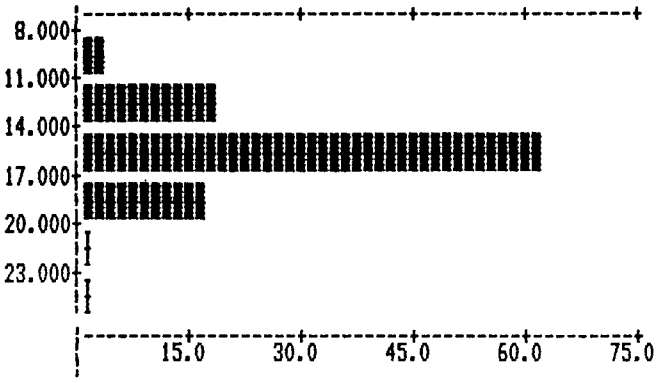
Al_2O_3

824855
Dusty mac – Litho Study

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : AL203



LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	8.000
8.000	4	2.65	2.65	11.000
11.000	27	17.88	20.53	14.000
14.000	93	61.59	82.12	17.000
17.000	24	15.89	98.01	20.000
20.000	2	1.32	99.34	23.000
23.000	1	0.66		

VARIABLE:	AL203
NUMBER OF OBSERVATIONS:	151
MINIMUM:	8.790
MAXIMUM:	23.600
MEAN:	15.421
STANDARD ERROR OF MEAN:	0.177
STANDARD DEVIATION:	2.180
COEFFICIENT OF VARIATION:	14.139
SKEWNESS:	0.232
KURTOSIS:	1.586

****

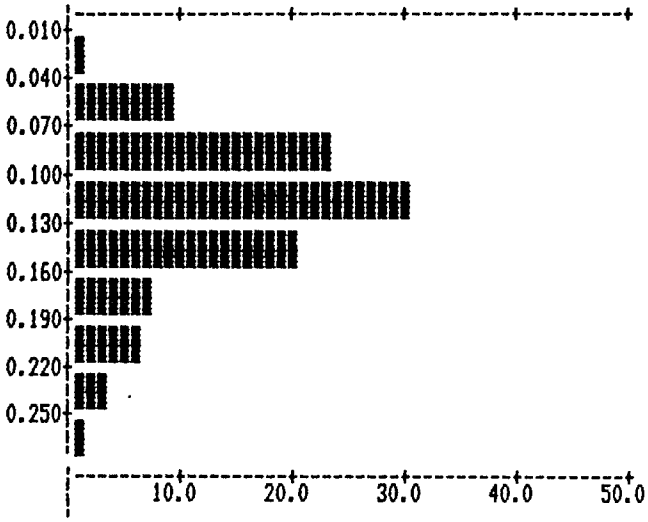
WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

Ba

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : BA



LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.010
0.010	2	1.32	1.32	0.040
0.040	13	8.61	9.93	0.070
0.070	35	23.18	33.11	0.100
0.100	45	29.80	62.91	0.130
0.130	30	19.87	82.78	0.160
0.160	11	7.28	90.07	0.190
0.190	9	5.96	96.03	0.220
0.220	4	2.65	98.68	0.250
0.250	2	1.32		

VARIABLE:	BA
NUMBER OF OBSERVATIONS:	151
MINIMUM:	0.029
MAXIMUM:	0.258
MEAN:	0.121
STANDARD ERROR OF MEAN:	0.004
STANDARD DEVIATION:	0.046
COEFFICIENT OF VARIATION:	37.590
SKEWNESS:	0.717
KURTOSIS:	0.417

****

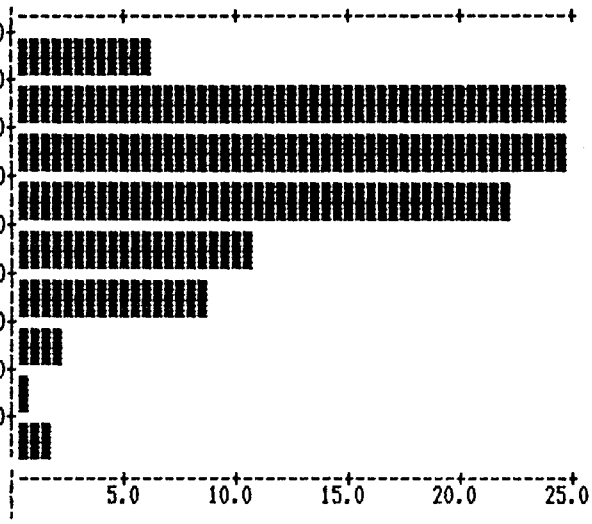
WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

CaO

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : CAO



LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
1.000	9	5.96	5.96	1.000
2.000	37	24.50	30.46	2.000
3.000	37	24.50	54.97	3.000
4.000	33	21.85	76.82	4.000
5.000	16	10.60	87.42	5.000
6.000	13	8.61	96.03	6.000
7.000	3	1.99	98.01	7.000
8.000	1	0.66	98.68	8.000
	2	1.32		

VARIABLE:	CAO
NUMBER OF OBSERVATIONS:	151
MINIMUM:	0.010
MAXIMUM:	8.380
MEAN:	2.995
STANDARD ERROR OF MEAN:	0.124
STANDARD DEVIATION:	1.519
COEFFICIENT OF VARIATION:	50.707
SKEWNESS:	0.804
KURTOSIS:	0.923

##

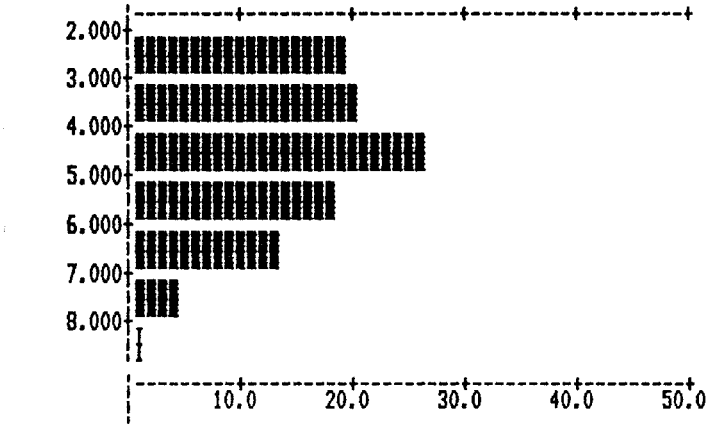
WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

Fe_2O_3

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : FE203



LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	2.000
2.000	28	18.54	18.54	3.000
3.000	30	19.87	38.41	4.000
4.000	39	25.83	64.24	5.000
5.000	27	17.88	82.12	6.000
6.000	20	13.25	95.36	7.000
7.000	6	3.97	99.34	8.000
8.000	1	0.66		

VARIABLE:	FE203
NUMBER OF OBSERVATIONS:	151
MINIMUM:	2.000
MAXIMUM:	8.590
MEAN:	4.552
STANDARD ERROR OF MEAN:	0.114
STANDARD DEVIATION:	1.403
COEFFICIENT OF VARIATION:	30.814
SKEWNESS:	0.288
KURTOSIS:	-0.611

****

WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

****

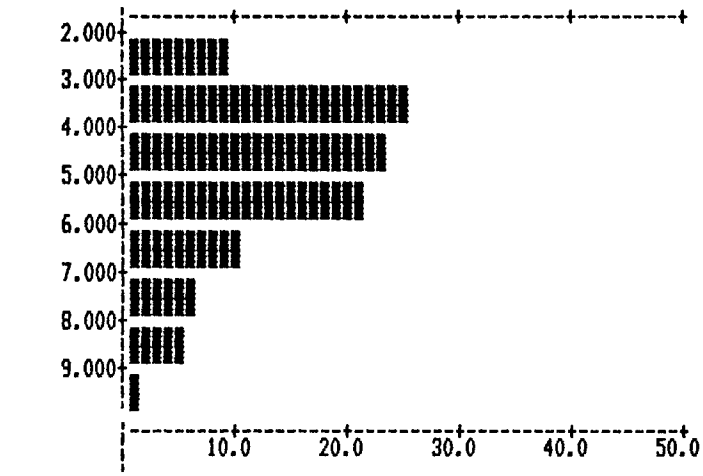
WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

K_2O

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : K2O



LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	2.000
2.000	13	8.61	8.61	3.000
3.000	38	25.17	33.77	4.000
4.000	35	23.18	56.95	5.000
5.000	31	20.53	77.48	6.000
6.000	15	9.93	87.42	7.000
7.000	9	5.96	93.38	8.000
8.000	8	5.30	98.68	9.000
9.000	2	1.32		

VARIABLE:	K2O
NUMBER OF OBSERVATIONS:	151
MINIMUM:	2.280
MAXIMUM:	9.300
MEAN:	4.885
STANDARD ERROR OF MEAN:	0.134
STANDARD DEVIATION:	1.644
COEFFICIENT OF VARIATION:	33.663
SKEWNESS:	0.657
KURTOSIS:	-0.231

****

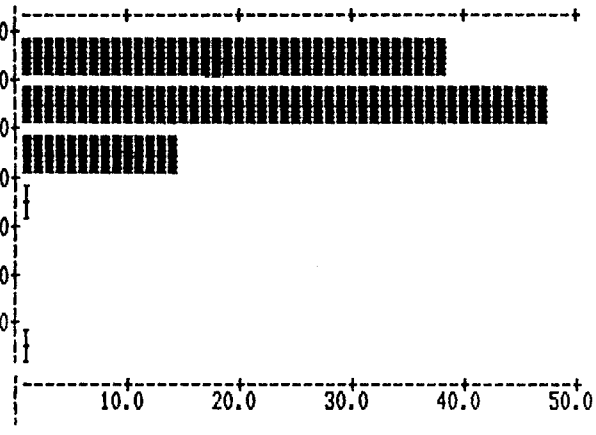
WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

MgO

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : MGO



LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
0.000	57	37.75	37.75	1.500
1.500	71	47.02	84.77	3.000
3.000	21	13.91	98.68	4.500
4.500	1	0.66	99.34	6.000
6.000	0	0.00	99.34	7.500
7.500	0	0.00	99.34	9.000
9.000	1	0.66		

VARIABLE:	MGO
NUMBER OF OBSERVATIONS:	151
MINIMUM:	0.380
MAXIMUM:	9.220
MEAN:	1.952
STANDARD ERROR OF MEAN:	0.093
STANDARD DEVIATION:	1.149
COEFFICIENT OF VARIATION:	58.849
SKEWNESS:	1.973
KURTOSIS:	9.352

****

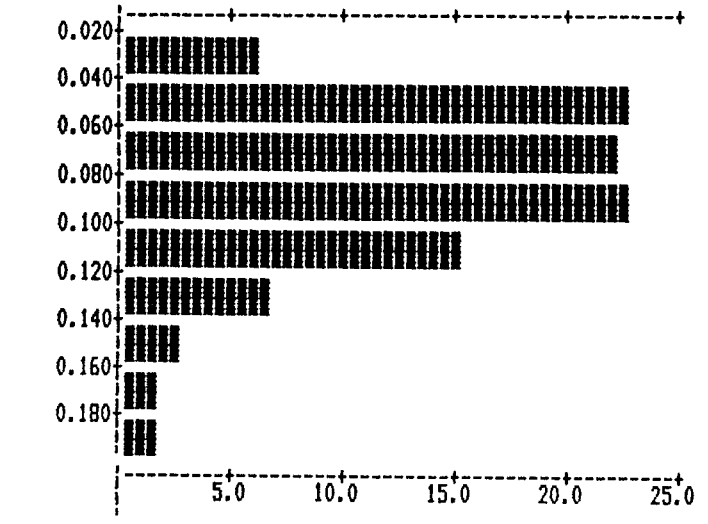
WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

MnO_2

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : MNO2



LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.020
0.020	9	5.96	5.96	0.040
0.040	34	22.52	28.48	0.060
0.060	33	21.85	50.33	0.080
0.080	34	22.52	72.85	0.100
0.100	23	15.23	88.08	0.120
0.120	10	6.62	94.70	0.140
0.140	4	2.65	97.35	0.160
0.160	2	1.32	98.68	0.180
0.180	2	1.32		

VARIABLE:	MNO2
NUMBER OF OBSERVATIONS:	151
MINIMUM:	0.020
MAXIMUM:	0.180
MEAN:	0.078
STANDARD ERROR OF MEAN:	0.003
STANDARD DEVIATION:	0.032
COEFFICIENT OF VARIATION:	41.593
SKEWNESS:	0.635
KURTOSIS:	0.360

****

WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

****

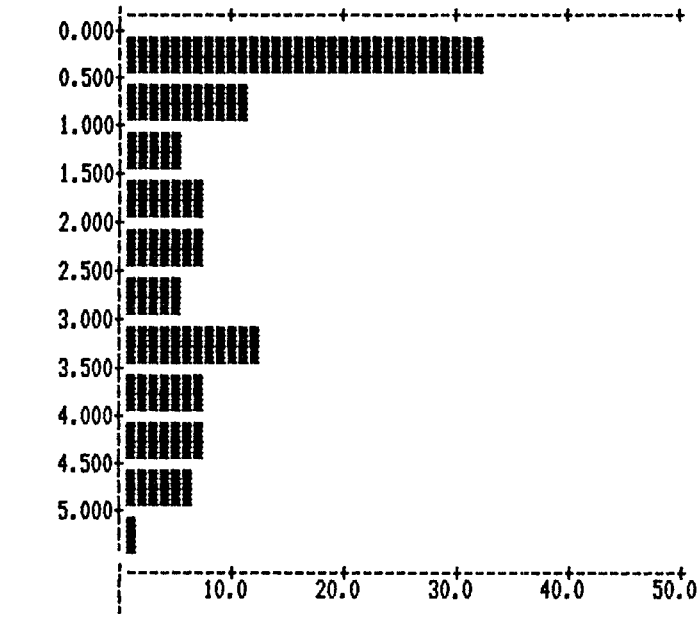
WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

DATA TITLE : DUSTY MAC LITHO DATA

Na_2O

VARIABLE : NA2O



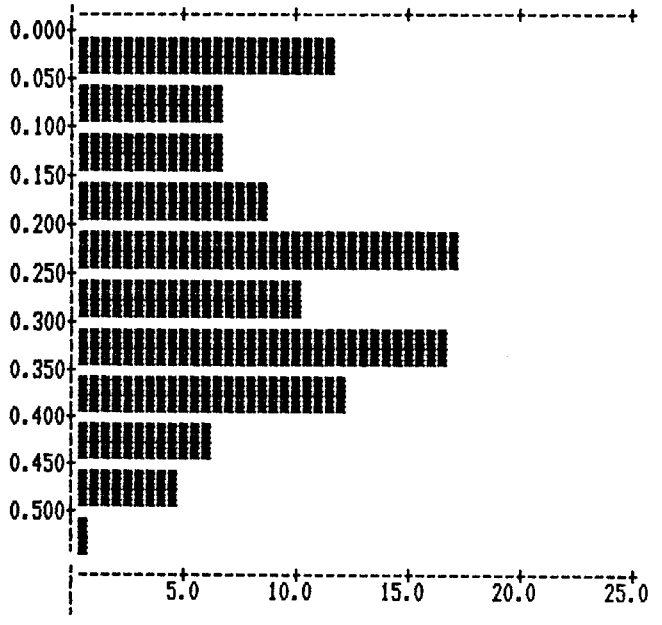
LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
0.000	49	32.45	32.45	0.500
0.500	17	11.26	43.71	1.000
1.000	8	5.30	49.01	1.500
1.500	10	6.62	55.63	2.000
2.000	10	6.62	62.25	2.500
2.500	8	5.30	67.55	3.000
3.000	18	11.92	79.47	3.500
3.500	10	6.62	86.09	4.000
4.000	10	6.62	92.72	4.500
4.500	9	5.96	98.68	5.000
5.000	2	1.32		

VARIABLE:	NA2O
NUMBER OF OBSERVATIONS:	151
MINIMUM:	0.010
MAXIMUM:	5.370
MEAN:	1.878
STANDARD ERROR OF MEAN:	0.134
STANDARD DEVIATION:	1.642
COEFFICIENT OF VARIATION:	87.432
SKEWNESS:	0.375
KURTOSIS:	-1.325

P_2O_5

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : P205



LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
0.000	17	11.26	11.26	0.050
0.050	10	6.62	17.88	0.100
0.100	10	6.62	24.50	0.150
0.150	13	8.61	33.11	0.200
0.200	26	17.22	50.33	0.250
0.250	15	9.93	60.26	0.300
0.300	25	16.56	76.82	0.350
0.350	18	11.92	88.74	0.400
0.400	9	5.96	94.70	0.450
0.450	7	4.64	99.34	0.500
0.500	1	0.66		

VARIABLE:	P205
NUMBER OF OBSERVATIONS:	151
MINIMUM:	0.010
MAXIMUM:	0.520
MEAN:	0.241
STANDARD ERROR OF MEAN:	0.011
STANDARD DEVIATION:	0.132
COEFFICIENT OF VARIATION:	54.734
SKEWNESS:	-0.217
KURTOSIS:	-0.810

****

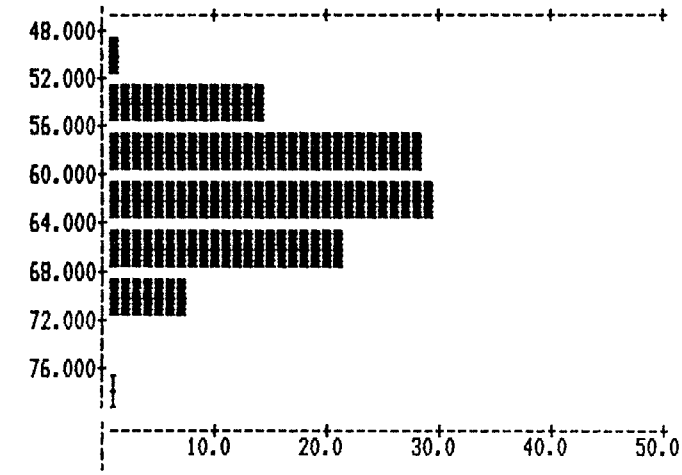
WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

SiO_2

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : SIO2



LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	48.000
48.000	2	1.32	1.32	52.000
52.000	21	13.91	15.23	56.000
56.000	42	27.81	43.05	60.000
60.000	44	29.14	72.19	64.000
64.000	31	20.53	92.72	68.000
68.000	10	6.62	99.34	72.000
72.000	0	0.00	99.34	76.000
76.000	1	0.66		

VARIABLE:	SIO2
NUMBER OF OBSERVATIONS:	151
MINIMUM:	49.410
MAXIMUM:	79.430
MEAN:	60.965
STANDARD ERROR OF MEAN:	0.393
STANDARD DEVIATION:	4.832
COEFFICIENT OF VARIATION:	7.925
SKEWNESS:	0.342
KURTOSIS:	0.319

****

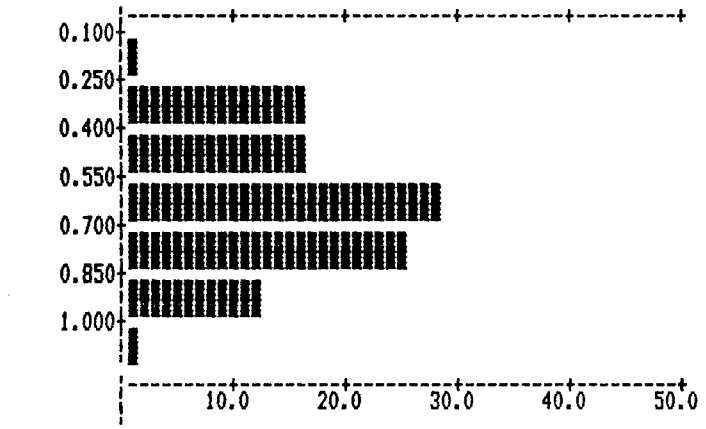
WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

TiO_2

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : TIO2



LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.100
0.100	2	1.32	1.32	0.250
0.250	24	15.89	17.22	0.400
0.400	24	15.89	33.11	0.550
0.550	43	28.48	61.59	0.700
0.700	38	25.17	86.75	0.850
0.850	18	11.92	98.68	1.000
1.000	2	1.32		

VARIABLE:	TIO2
NUMBER OF OBSERVATIONS:	151
MINIMUM:	0.220
MAXIMUM:	1.050
MEAN:	0.632
STANDARD ERROR OF MEAN:	0.015
STANDARD DEVIATION:	0.190
COEFFICIENT OF VARIATION:	30.123
SKEWNESS:	-0.154
KURTOSIS:	-0.688

****

WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

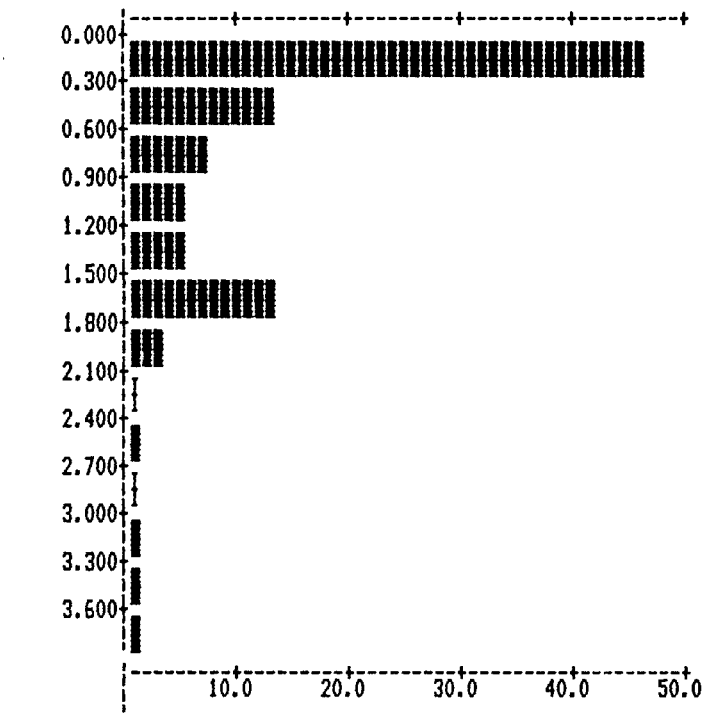
****

WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : S



LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
0.000	70	46.36	46.36	0.300
0.300	20	13.25	59.60	0.600
0.600	11	7.28	66.89	0.900
0.900	7	4.64	71.52	1.200
1.200	8	5.30	76.82	1.500
1.500	20	13.25	90.07	1.800
1.800	5	3.31	93.38	2.100
2.100	1	0.66	94.04	2.400
2.400	2	1.32	95.36	2.700
2.700	1	0.66	96.03	3.000
3.000	2	1.32	97.35	3.300
3.300	2	1.32	98.68	3.600
3.600	2	1.32		

VARIABLE:	S
NUMBER OF OBSERVATIONS:	151
MINIMUM:	0.010
MAXIMUM:	3.750
MEAN:	0.757
STANDARD ERROR OF MEAN:	0.073
STANDARD DEVIATION:	0.891
COEFFICIENT OF VARIATION:	117.791
SKEWNESS:	1.356
KURTOSIS:	1.362

****

WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

A NEW SET OF TRANSFORMATIONS AND SELECTIONS WILL BE SPECIFIED.

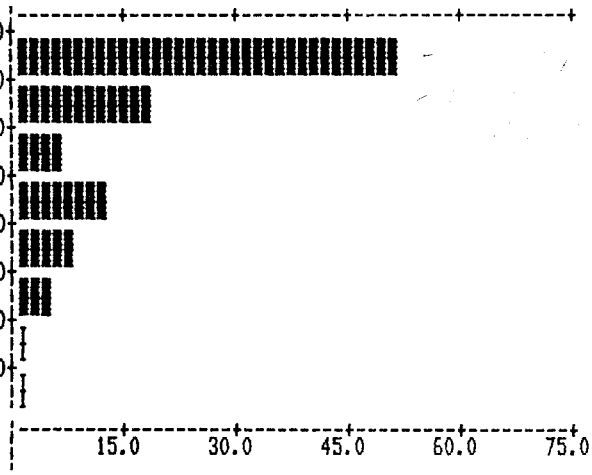
******* THE FOLLOWING TRANSFORMATIONS WILL BE USED IN THIS RUN. *******

```
NA/K20   = NA20   /  K20
NA/CAO   = NA20   /  CAO
K20/CAO  = K20    /  CAO
P/TI     = P205   /  TI02
```

Na_2O/K_2O

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : NA/K2O



LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
0.000	76	50.33	50.33	0.300
0.300	28	18.54	68.87	0.600
0.600	8	5.30	74.17	0.900
0.900	18	11.92	86.09	1.200
1.200	12	7.95	94.04	1.500
1.500	7	4.64	98.68	1.800
1.800	1	0.66	99.34	2.100
2.100	1	0.66		

VARIABLE:	NA/K2O
NUMBER OF OBSERVATIONS:	151
MINIMUM:	0.002
MAXIMUM:	2.131
MEAN:	0.492
STANDARD ERROR OF MEAN:	0.043
STANDARD DEVIATION:	0.529
COEFFICIENT OF VARIATION:	107.522
SKEWNESS:	0.990
KURTOSIS:	-0.186

****

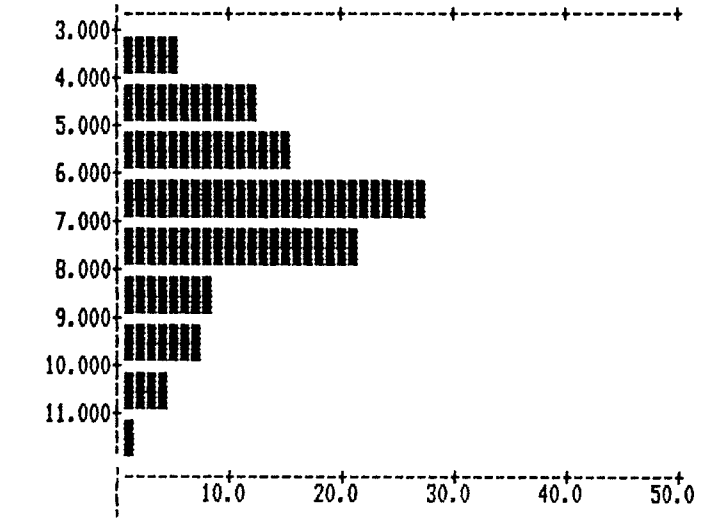
WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

$Na_2O + K_2O$

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : NA+K



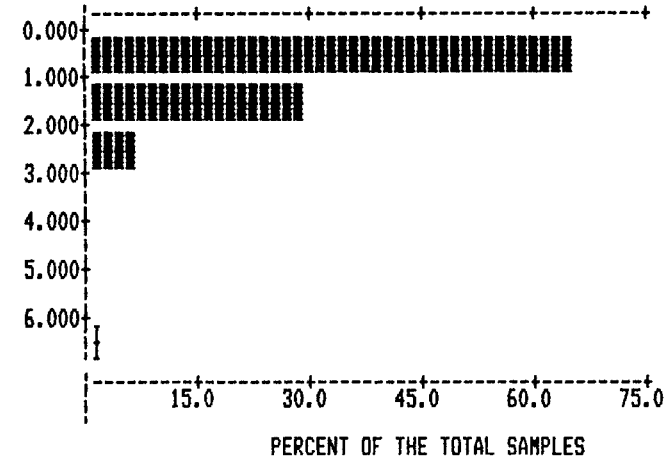
LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	3.000
3.000	7	4.64	4.64	4.000
4.000	18	11.92	16.56	5.000
5.000	23	15.23	31.79	6.000
6.000	41	27.15	58.94	7.000
7.000	31	20.53	79.47	8.000
8.000	12	7.95	87.42	9.000
9.000	11	7.28	94.70	10.000
10.000	6	3.97	98.68	11.000
11.000	2	1.32		

VARIABLE:	NA+K
NUMBER OF OBSERVATIONS:	151
MINIMUM:	3.410
MAXIMUM:	11.660
MEAN:	6.763
STANDARD ERROR OF MEAN:	0.145
STANDARD DEVIATION:	1.783
COEFFICIENT OF VARIATION:	26.359
SKEWNESS:	0.320
KURTOSIS:	-0.281

Na_2O/CaO

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : NA/CAO



LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
0.000	97	64.24	64.24	1.000
1.000	44	29.14	93.38	2.000
2.000	9	5.96	99.34	3.000
3.000	0	0.00	99.34	4.000
4.000	0	0.00	99.34	5.000
5.000	0	0.00	99.34	6.000
6.000	1	0.66		

VARIABLE:	NA/CAO
NUMBER OF OBSERVATIONS:	151
MINIMUM:	0.001
MAXIMUM:	6.000
MEAN:	0.805
STANDARD ERROR OF MEAN:	0.069
STANDARD DEVIATION:	0.843
COEFFICIENT OF VARIATION:	104.809
SKEWNESS:	1.985
KURTOSIS:	8.026

****

WE WILL NOW MAKE ANOTRER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

****

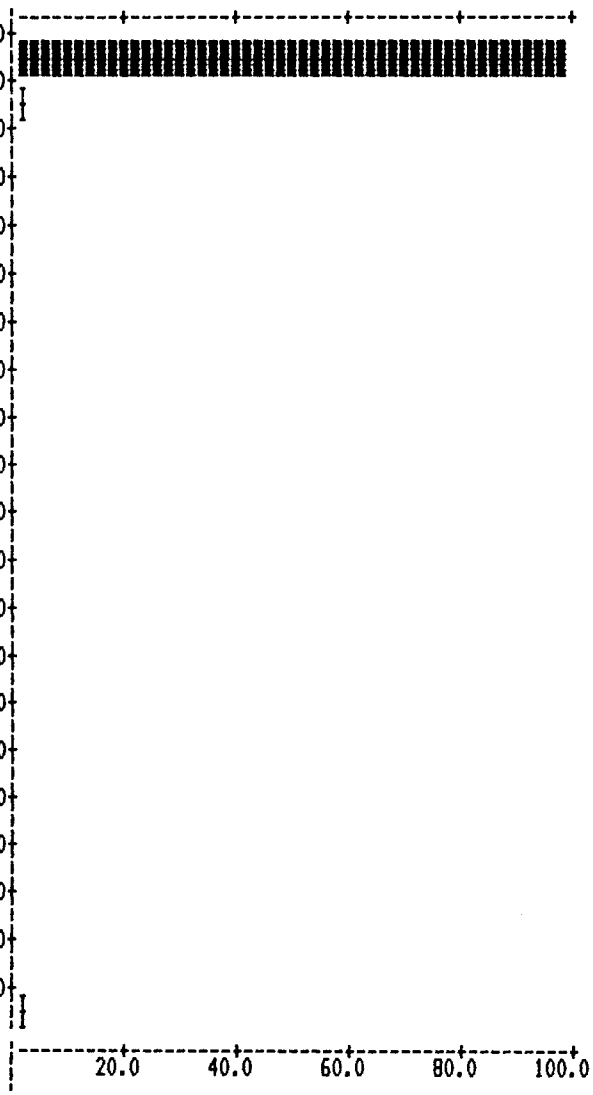
WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

K_2O/CaO

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : K2O/CAO



LOWER BOUND INCLUDED	PERCENT OF THE TOTAL SAMPLES	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
0.000				0.00	0.000
25.000		149	98.68	98.68	25.000
50.000		1	0.66	99.34	50.000
75.000		0	0.00	99.34	75.000
100.000		0	0.00	99.34	100.000
125.000		0	0.00	99.34	125.000
150.000		0	0.00	99.34	150.000
175.000		0	0.00	99.34	175.000
200.000		0	0.00	99.34	200.000
225.000		0	0.00	99.34	225.000
250.000		0	0.00	99.34	250.000
275.000		0	0.00	99.34	275.000
300.000		0	0.00	99.34	300.000
325.000		0	0.00	99.34	325.000
350.000		0	0.00	99.34	350.000
375.000		0	0.00	99.34	375.000
400.000		0	0.00	99.34	400.000
425.000		0	0.00	99.34	425.000
450.000		0	0.00	99.34	450.000
475.000		0	0.00	99.34	475.000
500.000		0	0.00	99.34	500.000
		1	0.66		

20.0 40.0 60.0 80.0 100.0

PERCENT OF THE TOTAL SAMPLES

VARIABLE:	K2O/CAO
NUMBER OF OBSERVATIONS:	151
MINIMUM:	0.300
MAXIMUM:	517.000
MEAN:	5.894
STANDARD ERROR OF MEAN:	3.417
STANDARD DEVIATION:	41.984
COEFFICIENT OF VARIATION:	712.365
SKEWNESS:	11.949
KURTOSIS:	142.455

****

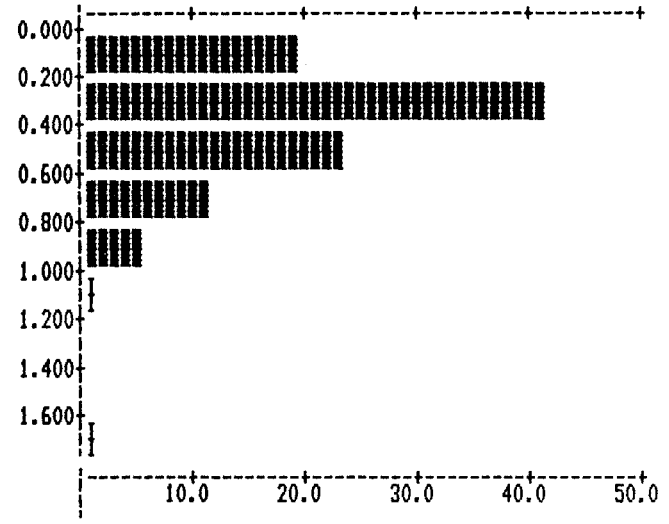
WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

P_2O_5/TiO_2

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : P/TI



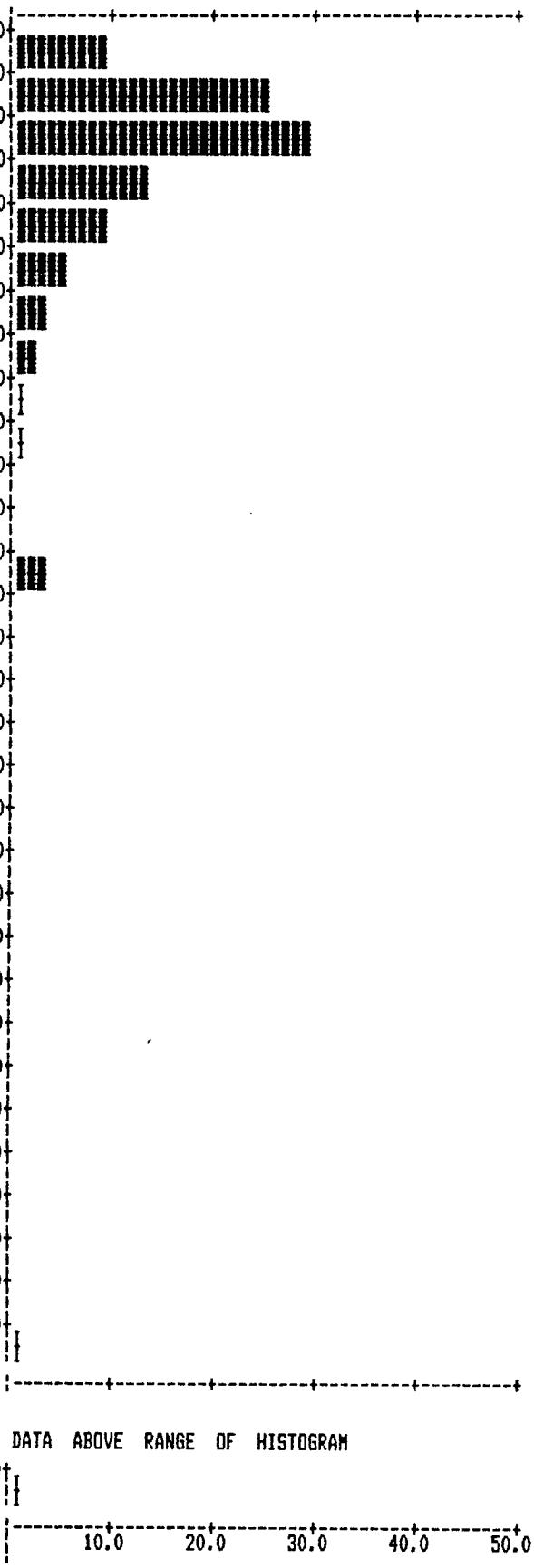
LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
0.000	28	18.54	18.54	0.200
0.200	62	41.06	59.60	0.400
0.400	35	23.18	82.78	0.600
0.600	17	11.26	94.04	0.800
0.800	7	4.64	98.68	1.000
1.000	1	0.66	99.34	1.200
1.200	0	0.00	99.34	1.400
1.400	0	0.00	99.34	1.600
1.600	1	0.66		

VARIABLE:	P/TI
NUMBER OF OBSERVATIONS:	151
MINIMUM:	0.014
MAXIMUM:	1.636
MEAN:	0.386
STANDARD ERROR OF MEAN:	0.020
STANDARD DEVIATION:	0.245
COEFFICIENT OF VARIATION:	63.550
SKEWNESS:	1.186
KURTOSIS:	3.579

$\frac{Na_2O + K_2O}{CaO}$

DATA TITLE : DUSTY MAC LITHO DATA

VARIABLE : NA+K/CA

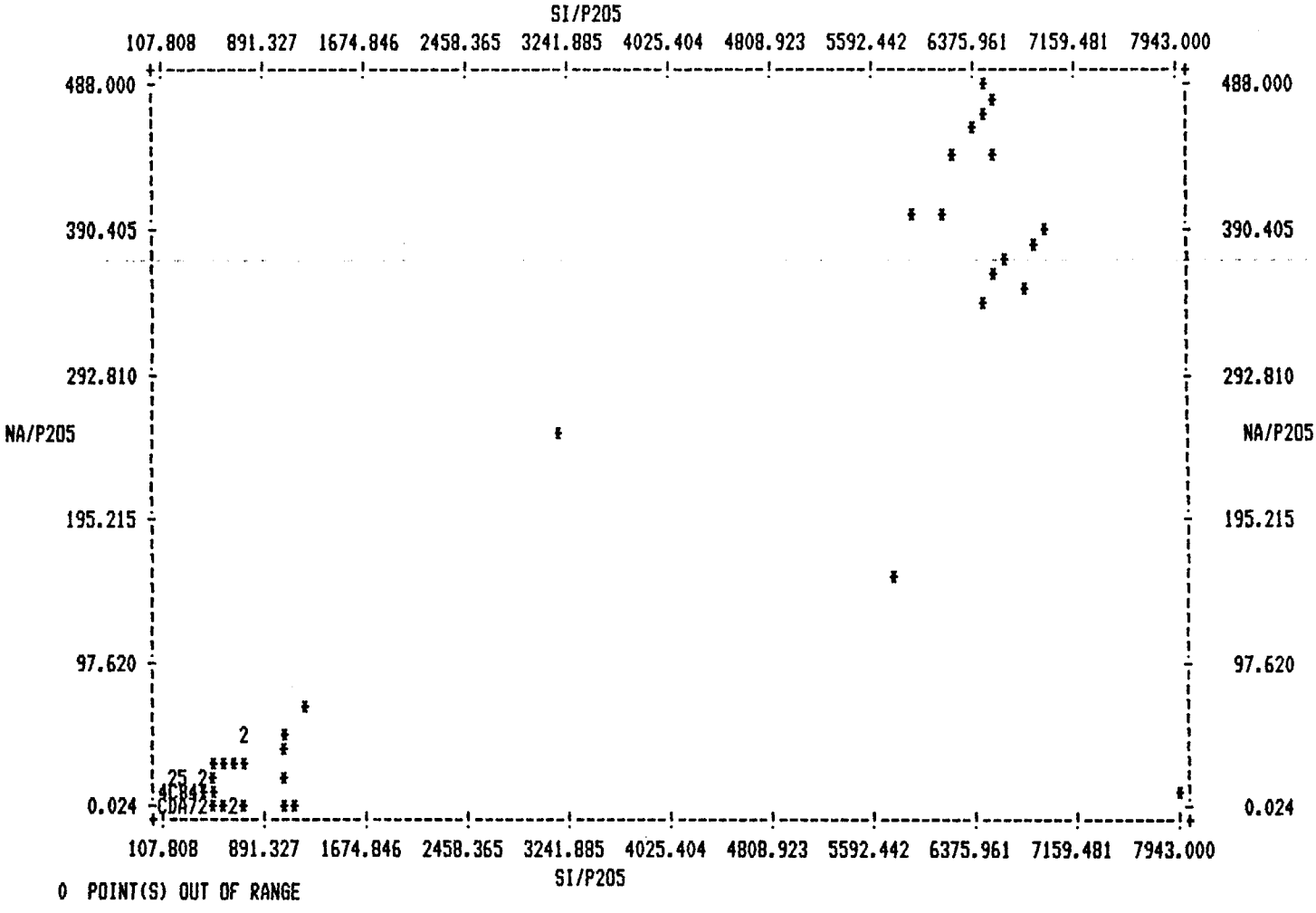


LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
0.000	13	8.61	0.00	0.000
1.000	38	25.17	8.61	1.000
2.000	44	29.14	33.77	2.000
3.000	19	12.58	62.91	3.000
4.000	13	8.61	75.50	4.000
5.000	8	5.30	84.11	5.000
6.000	5	3.31	89.40	6.000
7.000	3	1.99	92.72	7.000
8.000	1	0.66	94.70	8.000
9.000	1	0.66	95.36	9.000
10.000	0	0.00	96.03	10.000
11.000	0	0.00	96.03	11.000
12.000	4	2.65	96.03	12.000
13.000	0	0.00	98.68	13.000
14.000	0	0.00	98.68	14.000
15.000	0	0.00	98.68	15.000
16.000	0	0.00	98.68	16.000
17.000	0	0.00	98.68	17.000
18.000	0	0.00	98.68	18.000
19.000	0	0.00	98.68	19.000
20.000	0	0.00	98.68	20.000
21.000	0	0.00	98.68	21.000
22.000	0	0.00	98.68	22.000
23.000	0	0.00	98.68	23.000
24.000	0	0.00	98.68	24.000
25.000	0	0.00	98.68	25.000
26.000	0	0.00	98.68	26.000
27.000	0	0.00	98.68	27.000
28.000	0	0.00	98.68	28.000
29.000	0	0.00	98.68	29.000
30.000	1	0.66	98.68	30.000
DATA ABOVE RANGE OF HISTOGRAM				
50.000	1	0.66	99.34	50.000

VARIABLE:	NA+K/CA
NUMBER OF OBSERVATIONS:	151
MINIMUM:	0.486
MAXIMUM:	523.000
MEAN:	6.698
STANDARD ERROR OF MEAN:	3.452
STANDARD DEVIATION:	42.420
COEFFICIENT OF VARIATION:	633.291
SKEWNESS:	11.941
KURTOSIS:	142.336

$\frac{Na_2O}{P_2O_5}$ vs $\frac{SiO_2}{P_2O_5}$

DUSTY MAC LITHO DATA

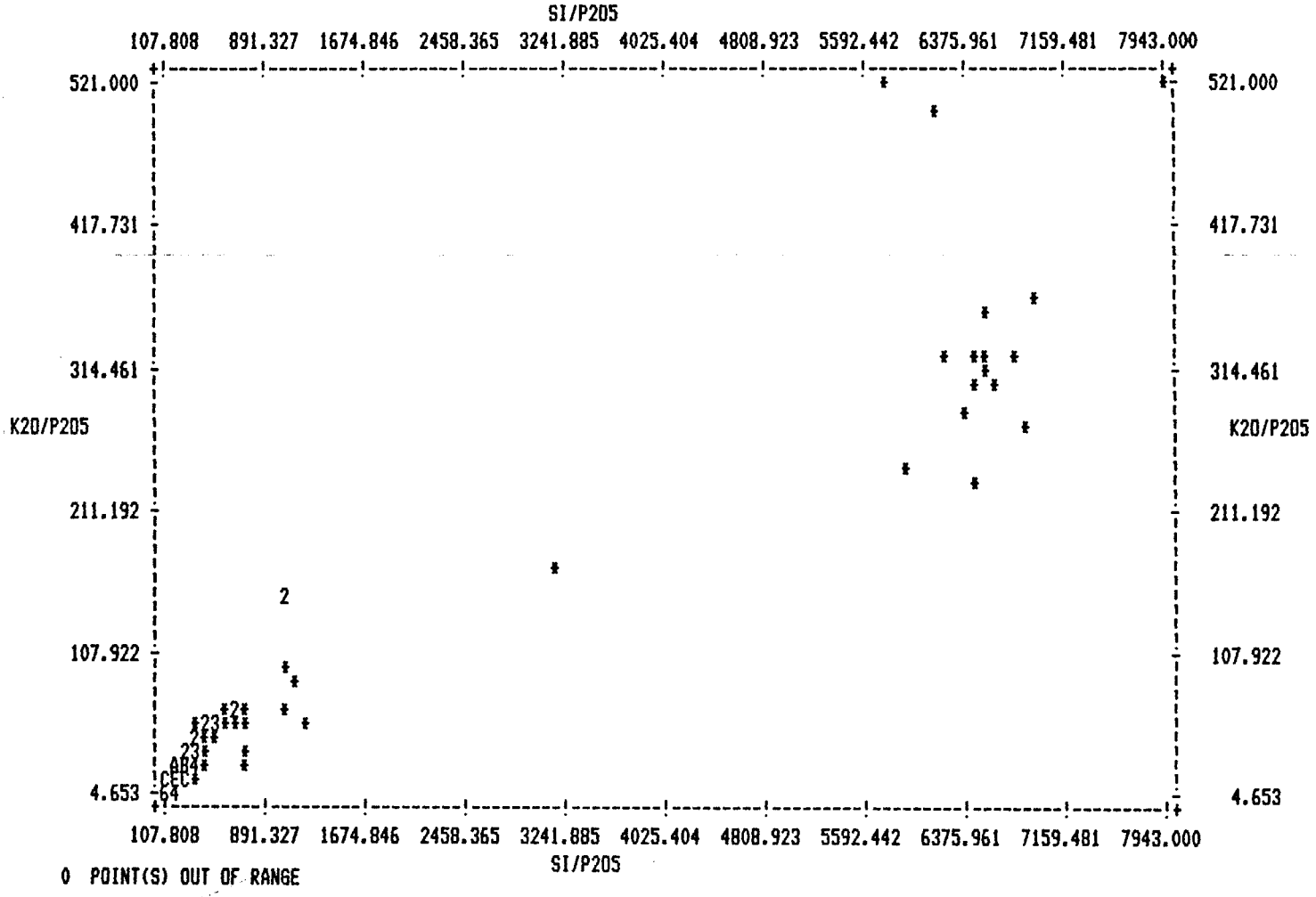


0 POINT(S) OUT OF RANGE

STATISTICS FOR VARIABLES:	SI/P205	NA/P205
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	107.81	0.02
MAXIMUM:	7943.00	488.00
MEAN:	974.82	48.36
STANDARD ERROR OF MEAN:	158.49	9.81
STANDARD DEVIATION:	1947.56	120.60
COEFFICIENT OF VARIATION:	199.79	249.37
SKEWNESS:	2.47	2.69
KURTOSIS:	4.34	5.62
CORRELATION COEFFICIENT:	0.9242	

$\frac{K_2O}{P_2O_5}$ vs $\frac{SiO_2}{P_2O_5}$

DUSTY MAC LITHO DATA

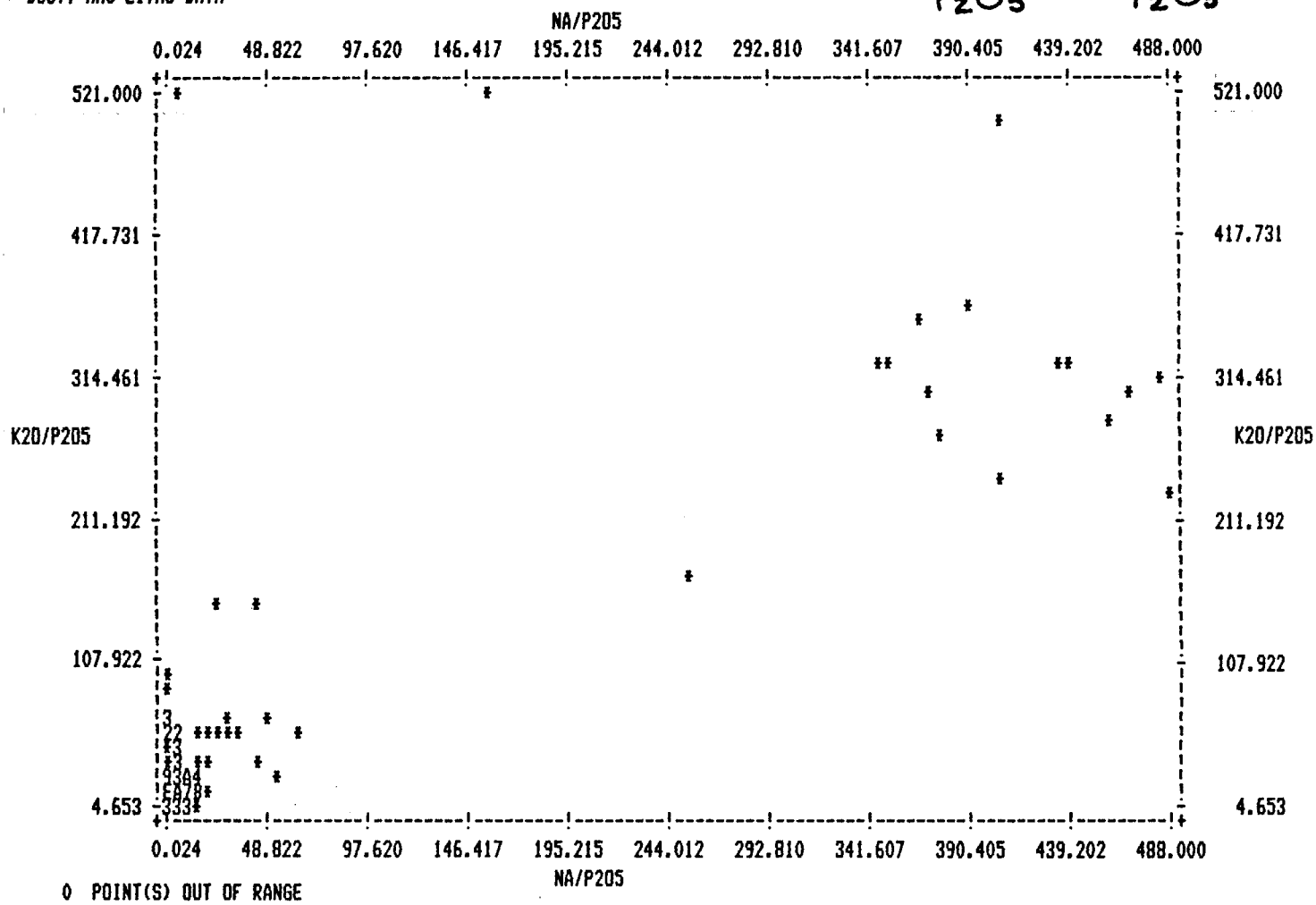


STATISTICS FOR VARIABLES:	SI/P205	K20/P205
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	107.81	4.65
MAXIMUM:	7943.00	521.00
MEAN:	974.82	60.48
STANDARD ERROR OF MEAN:	158.49	8.56
STANDARD DEVIATION:	1947.56	105.15
COEFFICIENT OF VARIATION:	199.79	173.88
SKEWNESS:	2.47	2.70
KURTOSIS:	4.34	6.71

CORRELATION COEFFICIENT: 0.9535

$\frac{K_2O}{P_2O_5}$ vs $\frac{Na_2O}{P_2O_5}$

DUSTY MAC LITHO DATA



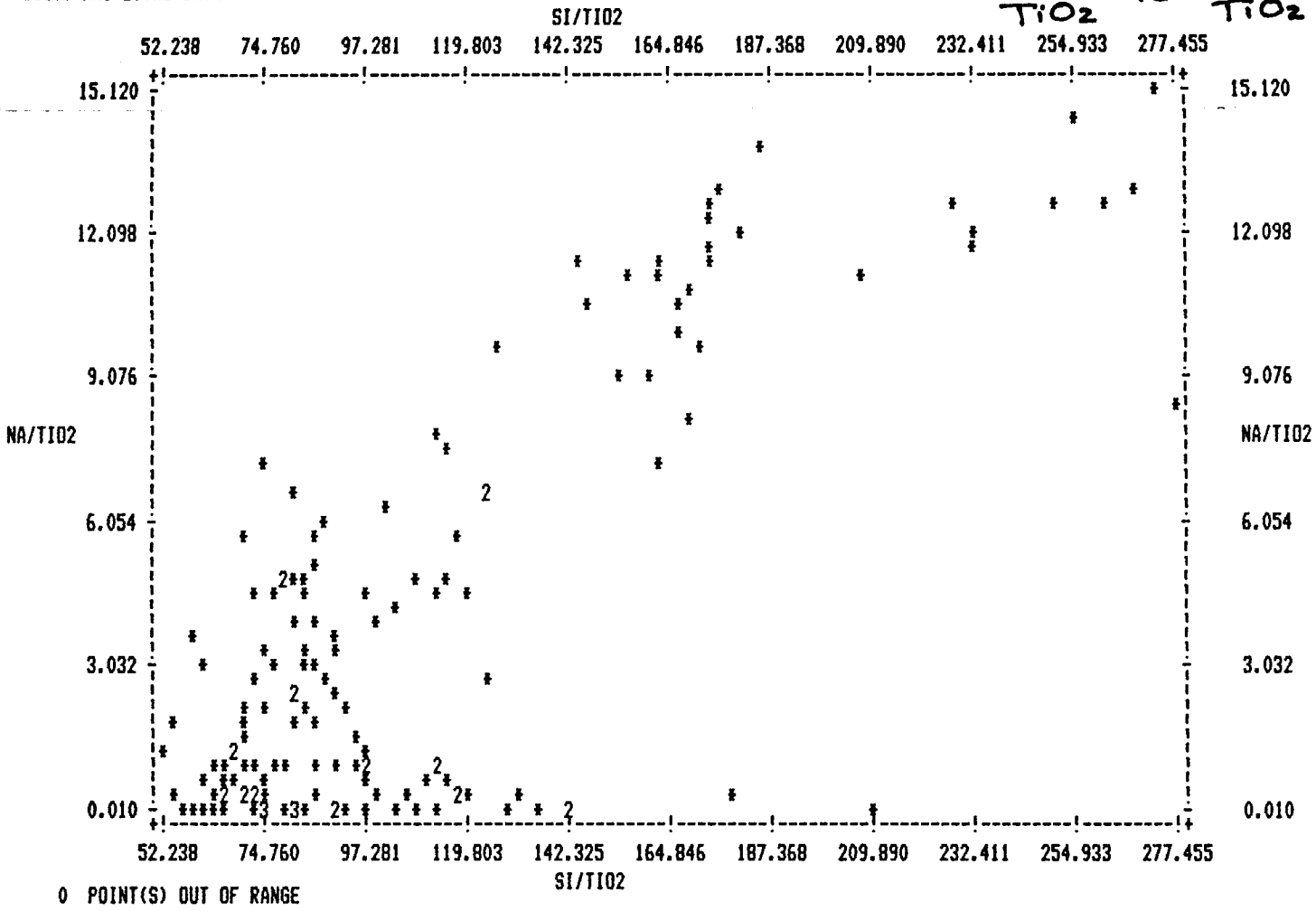
0 POINT(S) OUT OF RANGE

STATISTICS FOR VARIABLES:	NA/P205	K20/P205
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	0.02	4.65
MAXIMUM:	488.00	521.00
MEAN:	48.36	60.48
STANDARD ERROR OF MEAN:	9.81	8.56
STANDARD DEVIATION:	120.60	105.15
COEFFICIENT OF VARIATION:	249.37	173.88
SKEWNESS:	2.69	2.70
KURTOSIS:	5.62	6.71

CORRELATION COEFFICIENT: 0.8218

DUSTY MAC LITHO DATA

$\frac{Na_2O}{TiO_2}$ vs $\frac{SiO_2}{TiO_2}$



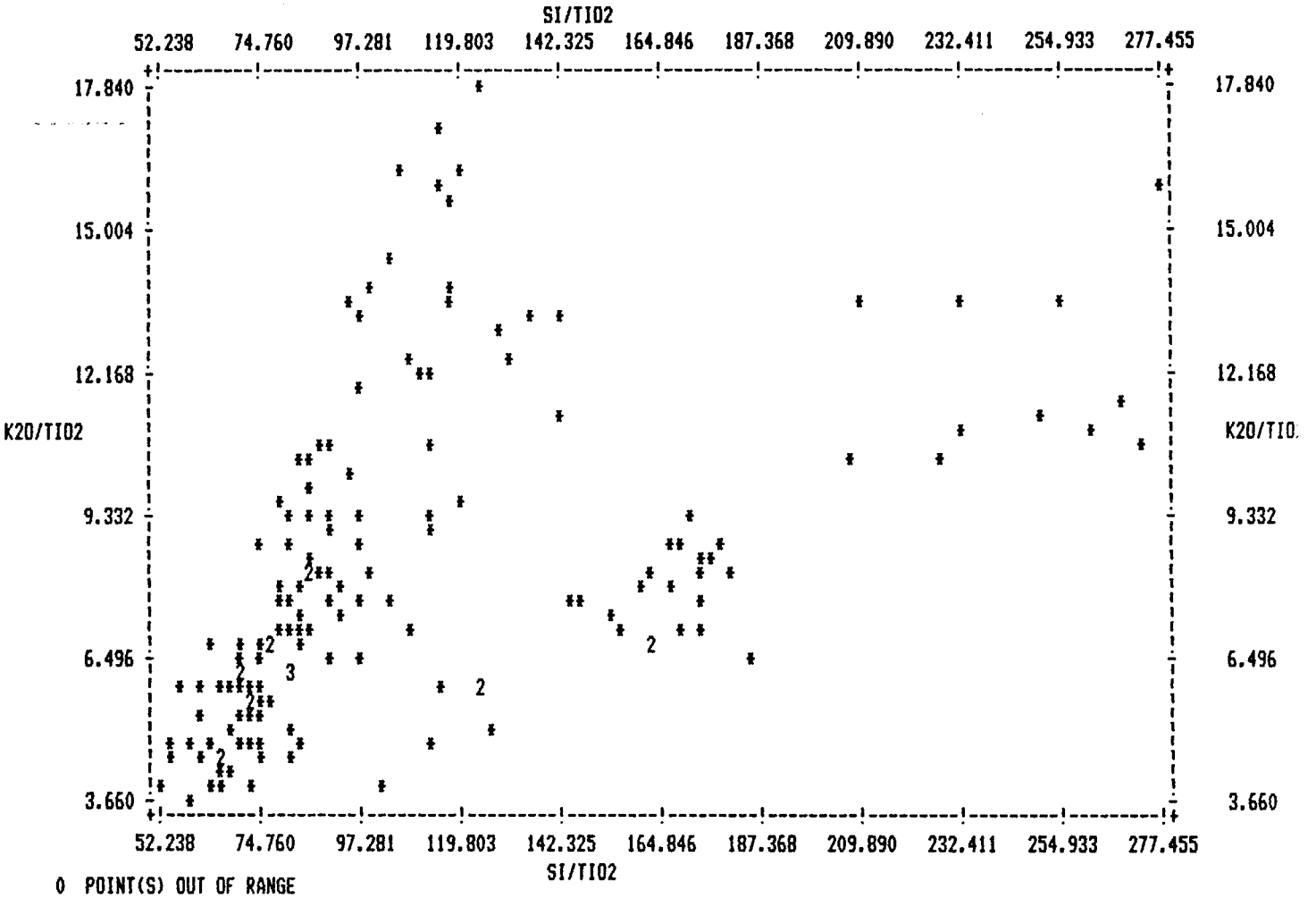
0 POINT(S) OUT OF RANGE

STATISTICS FOR VARIABLES:	SI/TIO2	NA/TIO2
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	52.24	0.01
MAXIMUM:	277.45	15.12
MEAN:	110.42	3.92
STANDARD ERROR OF MEAN:	4.13	0.35
STANDARD DEVIATION:	50.70	4.31
COEFFICIENT OF VARIATION:	45.91	109.97
SKEWNESS:	1.49	0.99
KURTOSIS:	1.71	-0.35

CORRELATION COEFFICIENT: 0.7630

$\frac{K_2O}{TiO_2}$ vs $\frac{SiO_2}{TiO_2}$

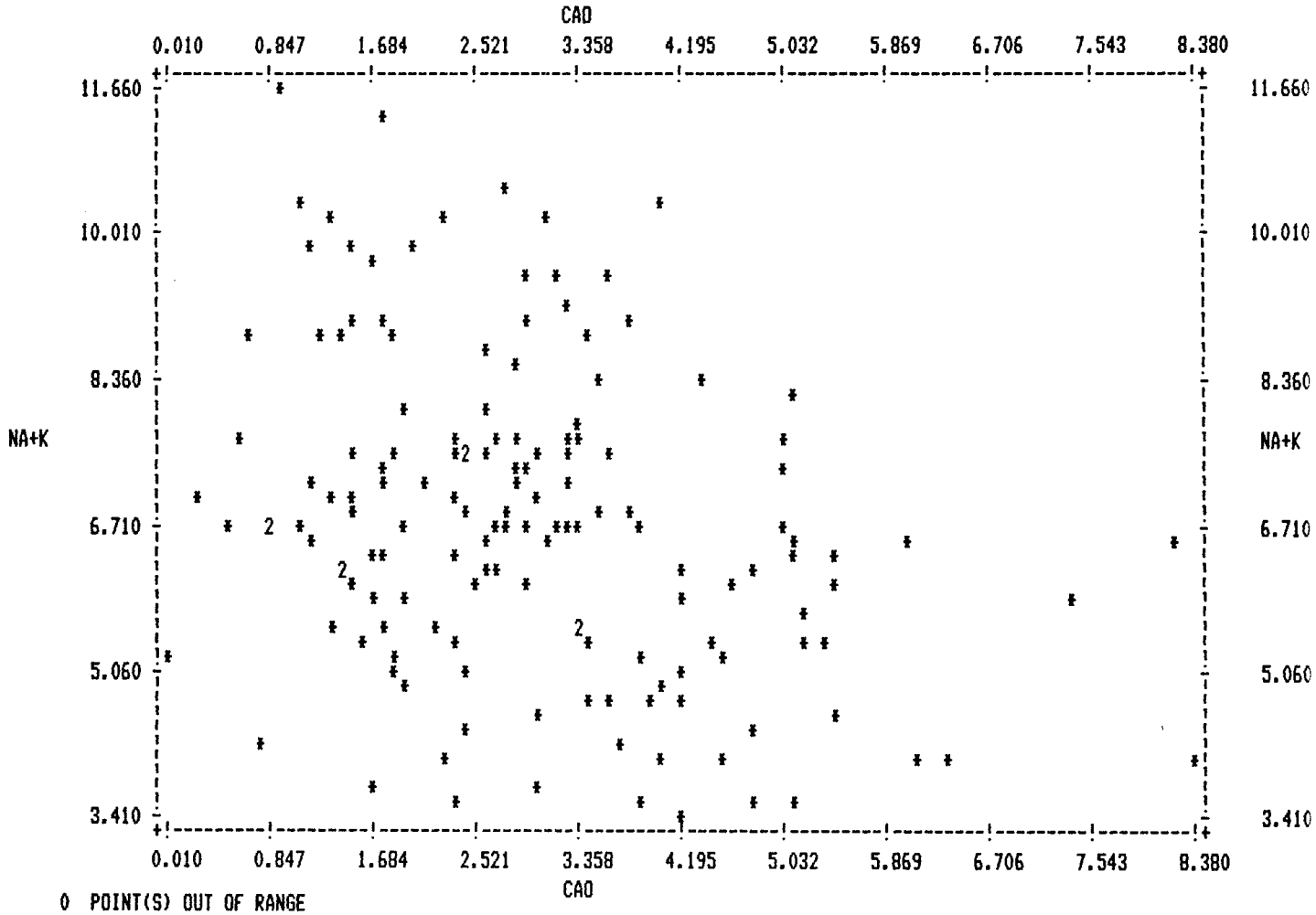
DUSTY MAC LITHO DATA



STATISTICS FOR VARIABLES:	SI/TIO2	K2O/TIO2
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	52.24	3.66
MAXIMUM:	277.45	17.84
MEAN:	110.42	8.27
STANDARD ERROR OF MEAN:	4.13	0.26
STANDARD DEVIATION:	50.70	3.20
COEFFICIENT OF VARIATION:	45.91	38.67
SKEWNESS:	1.49	0.88
KURTOSIS:	1.71	0.10
CORRELATION COEFFICIENT:	0.4841	

$Na_2O + K_2O$ vs CaO

DUSTY MAC LITHO DATA

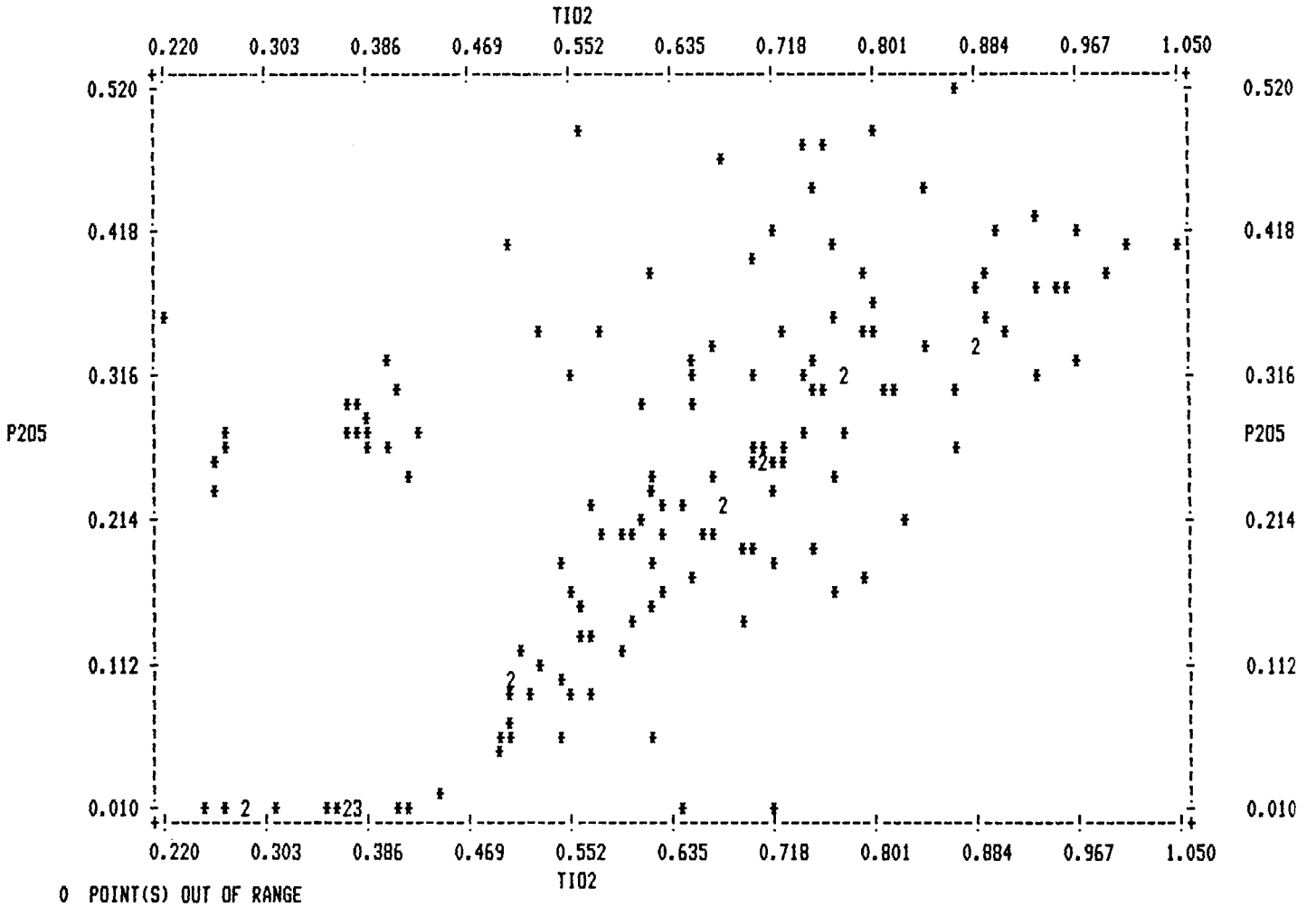


STATISTICS FOR VARIABLES:	CAO	NA+K
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	0.01	3.41
MAXIMUM:	8.38	11.66
MEAN:	3.00	6.76
STANDARD ERROR OF MEAN:	0.12	0.15
STANDARD DEVIATION:	1.52	1.78
COEFFICIENT OF VARIATION:	50.71	26.36
SKEWNESS:	0.80	0.32
KURTOSIS:	0.92	-0.28

CORRELATION COEFFICIENT: -0.3244

P_2O_5 vs TiO_2

DUSTY MAC LITHO DATA

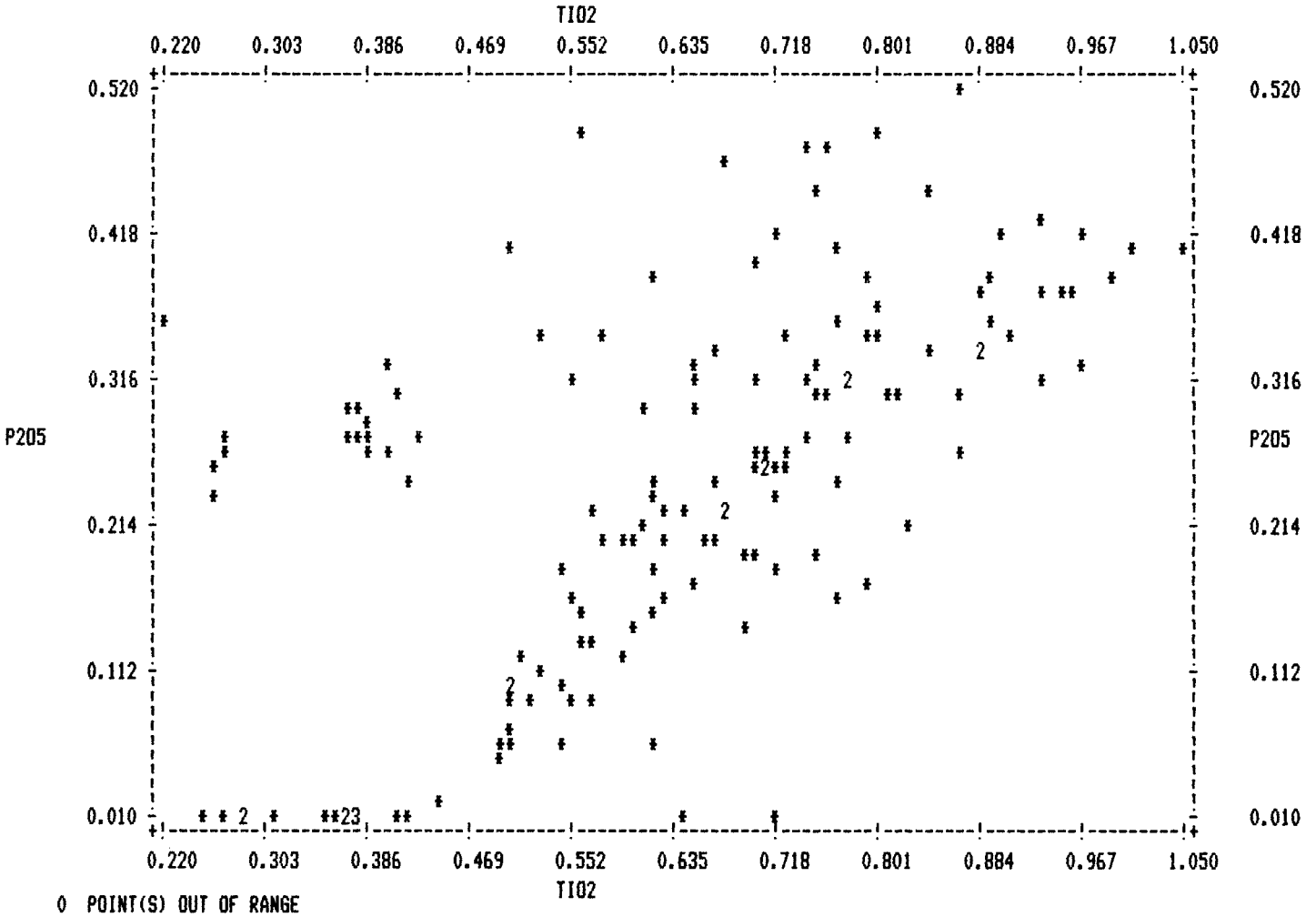


0 POINT(S) OUT OF RANGE

STATISTICS FOR VARIABLES:	TIO2	P205
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	0.22	0.01
MAXIMUM:	1.05	0.52
MEAN:	0.63	0.24
STANDARD ERROR OF MEAN:	0.02	0.01
STANDARD DEVIATION:	0.19	0.13
COEFFICIENT OF VARIATION:	30.12	54.73
SKEWNESS:	-0.15	-0.22
KURTOSIS:	-0.69	-0.81

CORRELATION COEFFICIENT: 0.5867

DUSTY MAC LITHO DATA

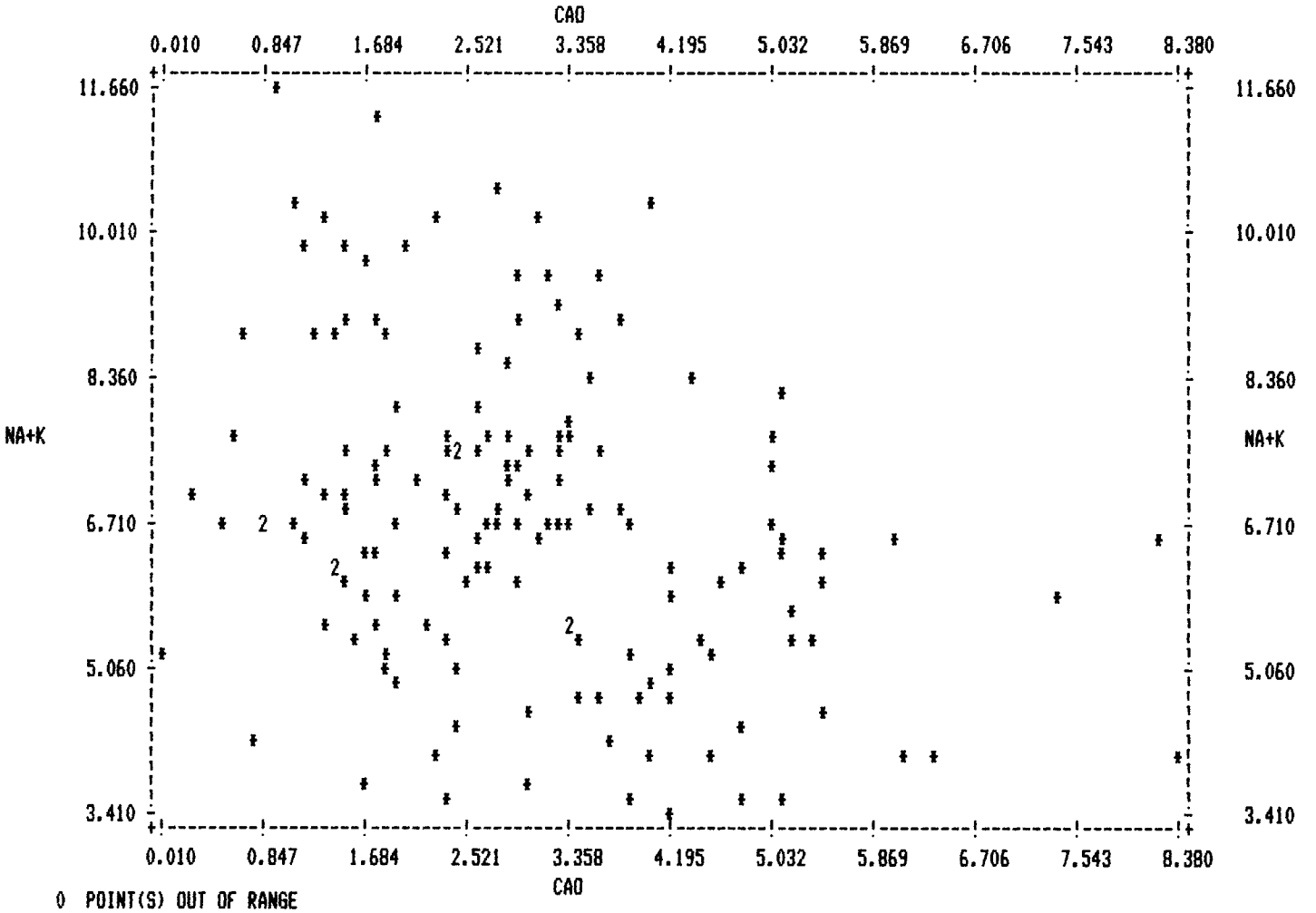


0 POINT(S) OUT OF RANGE

STATISTICS FOR VARIABLES:	TIO2	P2O5
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	0.22	0.01
MAXIMUM:	1.05	0.52
MEAN:	0.63	0.24
STANDARD ERROR OF MEAN:	0.02	0.01
STANDARD DEVIATION:	0.19	0.13
COEFFICIENT OF VARIATION:	30.12	54.73
SKEWNESS:	-0.15	-0.22
KURTOSIS:	-0.69	-0.81

CORRELATION COEFFICIENT: 0.5867

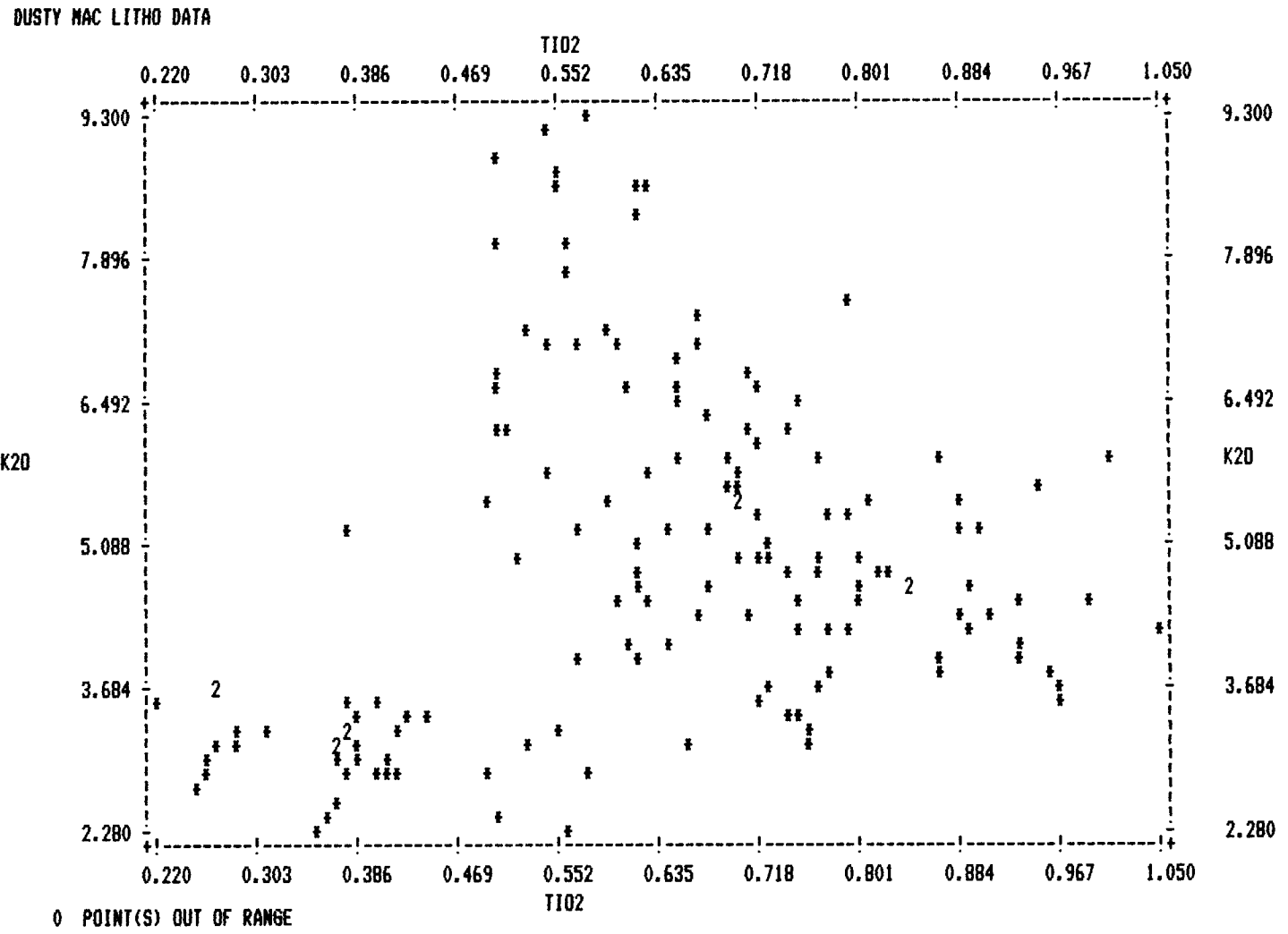
DUSTY MAC LITHO DATA



0 POINT(S) OUT OF RANGE

STATISTICS FOR VARIABLES:	CAO	NA+K
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	0.01	3.41
MAXIMUM:	8.38	11.66
MEAN:	3.00	6.76
STANDARD ERROR OF MEAN:	0.12	0.15
STANDARD DEVIATION:	1.52	1.78
COEFFICIENT OF VARIATION:	50.71	26.36
SKEWNESS:	0.80	0.32
KURTOSIS:	0.92	-0.28

CORRELATION COEFFICIENT: -0.3244



STATISTICS FOR VARIABLES:	TIO2	K20
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	0.22	2.28
MAXIMUM:	1.05	9.30
MEAN:	0.63	4.88
STANDARD ERROR OF MEAN:	0.02	0.13
STANDARD DEVIATION:	0.19	1.64
COEFFICIENT OF VARIATION:	30.12	33.66
SKEWNESS:	-0.15	0.66
KURTOSIS:	-0.69	-0.23

CORRELATION COEFFICIENT: 0.2248

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

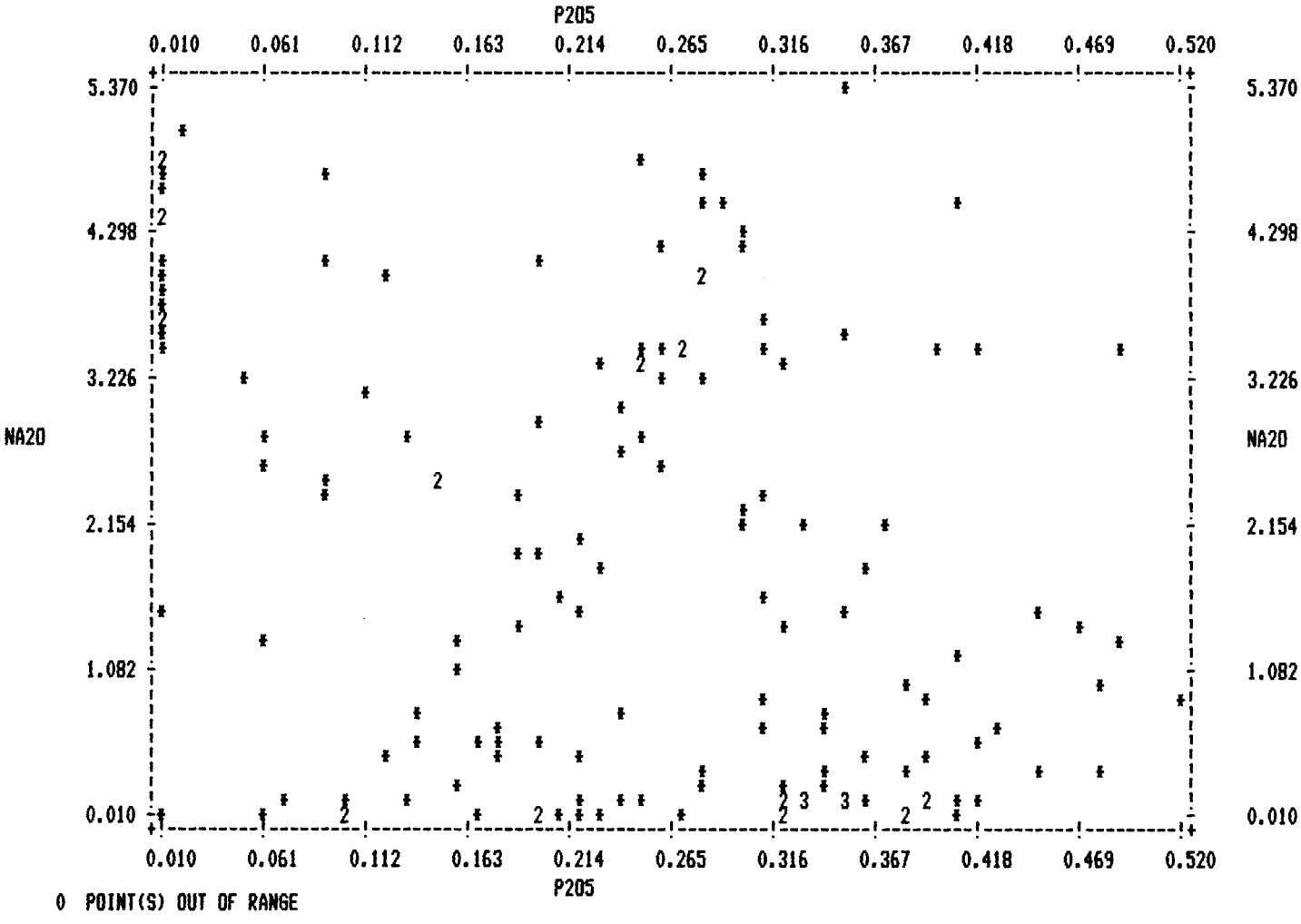
THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

DUSTY MAC LITHO DATA



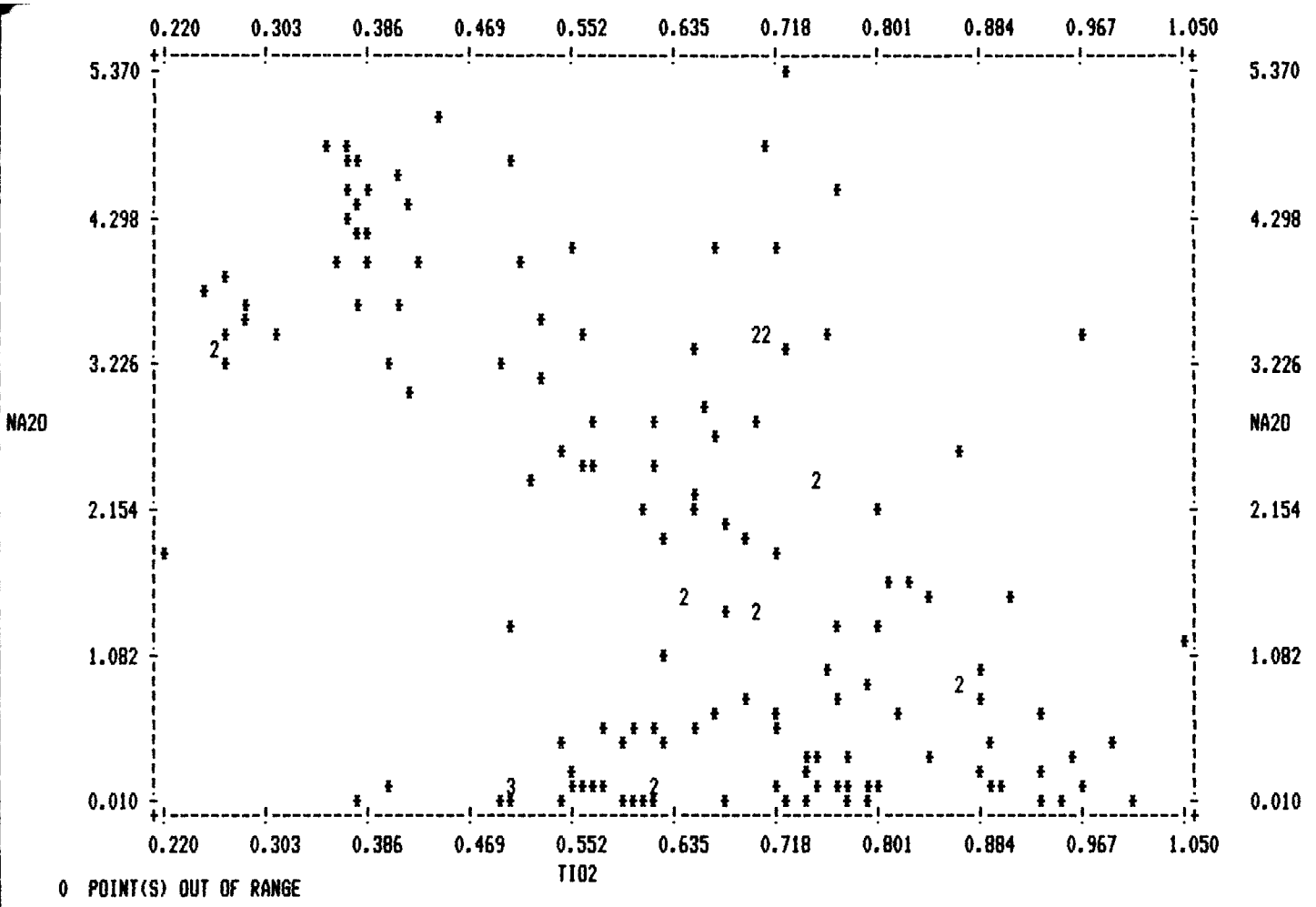
0 POINT(S) OUT OF RANGE

STATISTICS FOR VARIABLES:	P205	NA20
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	0.01	0.01
MAXIMUM:	0.52	5.37
MEAN:	0.24	1.88
STANDARD ERROR OF MEAN:	0.01	0.13
STANDARD DEVIATION:	0.13	1.64
COEFFICIENT OF VARIATION:	54.73	87.43
SKEWNESS:	-0.22	0.37
KURTOSIS:	-0.81	-1.33

CORRELATION COEFFICIENT: -0.3357

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THI

S RUN.



0 POINT(S) OUT OF RANGE

STATISTICS FOR VARIABLES:	TI02	NA20
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	0.22	0.01
MAXIMUM:	1.05	5.37
MEAN:	0.63	1.88
STANDARD ERROR OF MEAN:	0.02	0.13
STANDARD DEVIATION:	0.19	1.64
COEFFICIENT OF VARIATION:	30.12	87.43
SKEWNESS:	-0.15	0.37
KURTOSIS:	-0.69	-1.33

CORRELATION COEFFICIENT: -0.5196

****

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THI

S RUN.

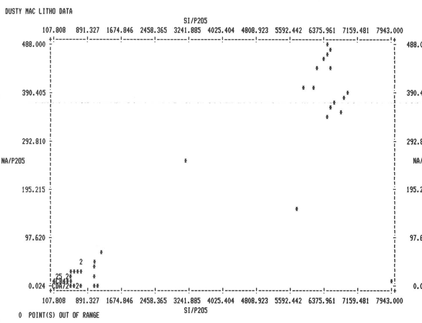
******* THE FOLLOWING TRANSFORMATIONS WILL BE USED IN THIS RUN. *******

NA/P2O5	=	NA2O	/	P2O5
K2O/P2O5	=	K2O	/	P2O5
SI/P2O5	=	SIO2	/	P2O5
NA/TIO2	=	NA2O	/	P2O5
NA/TIO2	=	NA2O	/	TIO2
K2O/TIO2	=	K2O	/	TIO2
SI/TIO2	=	SIO2	/	TIO2

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.



STATISTICS FOR VARIABLES:	SI/P2O5	NA/P2O5
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	107.81	0.02
MAXIMUM:	7943.00	488.00
MEAN:	974.82	48.36
STANDARD ERROR OF MEAN:	158.49	9.81
STANDARD DEVIATION:	1947.56	120.60
COEFFICIENT OF VARIATION:	199.79	249.37
SKEWNESS:	2.47	2.69
KURTOSIS:	4.34	5.62

CORRELATION COEFFICIENT: 0.9242

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

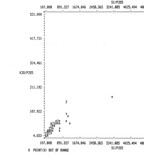
****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

& NEW SET OF TRANSFORMATIONS AND SELECTIONS WILL BE SPECIFIED.

******* THE FOLLOWING TRANSFORMATIONS WILL BE USED IN THIS RUN. *******

NAV/P2O5	= NA2O	/	P2O5
K2O/P2O5	= K2O	/	P2O5
SI/P2O5	= SIO2	/	P2O5
NAV/TIO2	= NA2O	/	TIO2
K2O/TIO2	= K2O	/	TIO2
SI/TIO2	= SIO2	/	TIO2



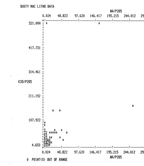
STATISTICS FOR VARIABLES=	SI/P2O5	K2O/P2O5
NUMBER OF OBSERVATIONS=	151	151
MINIMUM=	107.91	4.65
MAXIMUM=	7943.00	521.00
MEAN=	974.82	60.48
STANDARD ERROR OF MEAN=	158.49	8.56
STANDARD DEVIATION=	1947.56	105.15
COEFFICIENT OF VARIATION=	199.79	173.88
SKEWNESS=	2.47	2.70
KURTOSIS=	4.34	6.71
CORRELATION COEFFICIENT=	0.9535	

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THI

S RUN.



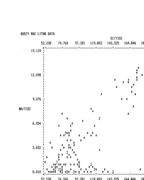
STATISTICS FOR VARIABLES=	NA/P2O5	K2O/P2O5
NUMBER OF OBSERVATIONS=	151	151
MINIMUM=	0.02	4.65
MAXIMUM=	488.00	521.00
MEAN=	40.36	60.48
STANDARD ERROR OF MEAN=	9.81	8.56
STANDARD DEVIATION=	120.60	105.15
COEFFICIENT OF VARIATION=	249.37	173.88
SKEWNESS=	2.69	2.70
KURTOSIS=	5.62	6.71
CORRELATION COEFFICIENT=	0.9218	

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THI

S RUN.



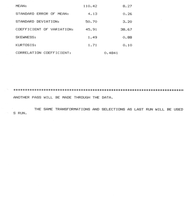
STATISTICS FOR VARIABLES=	SI/TIO2	NA/TIO2
NUMBER OF OBSERVATIONS=	151	151
MINIMUM=	52.24	0.01
MAXIMUM=	277.45	15.12
MEAN=	110.42	3.92
STANDARD ERROR OF MEAN=	4.13	0.35
STANDARD DEVIATION=	50.70	4.31
COEFFICIENT OF VARIATION=	45.91	109.97
SKEWNESS=	1.49	0.99
KURTOSIS=	1.71	-0.35
CORRELATION COEFFICIENT=	0.7630	

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THI

S RUN.

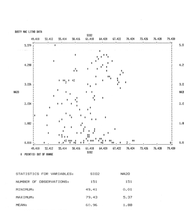


STATISTICS FOR VARIABLES:	ELTOT	KENTOT
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	32.24	5.66
MAXIMUM:	277.45	17.84
MEAN:	110.42	9.27
STANDARD ERROR OF MEAN:	4.13	0.26
STANDARD DEVIATION:	50.76	3.20
COEFFICIENT OF VARIATION:	45.91	34.47
SKEWNESS:	1.49	0.88
KURTOSIS:	1.71	0.10
CORRELATION COEFFICIENT:	0.4861	

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THI
S RUN.



STATISTICS FOR VARIABLES:	WATOT	KENTOT
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	0.01	5.66
MAXIMUM:	25.12	17.84
MEAN:	3.92	9.27
STANDARD ERROR OF MEAN:	0.35	0.26
STANDARD DEVIATION:	4.31	3.20
COEFFICIENT OF VARIATION:	109.97	34.47
SKEWNESS:	3.59	0.88
KURTOSIS:	16.39	0.10
CORRELATION COEFFICIENT:	0.1431	

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THI
S RUN.

STATISTICS FOR VARIABLES:	EGG	MEN
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	49.41	0.01
MAXIMUM:	75.43	5.37
MEAN:	57.96	1.88
STANDARD ERROR OF MEAN:	0.39	0.13
STANDARD DEVIATION:	4.83	1.64
COEFFICIENT OF VARIATION:	7.33	87.43
SKEWNESS:	0.34	0.37
KURTOSIS:	0.32	-1.33
CORRELATION COEFFICIENT:	0.1003	

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THI
S RUN.

STATISTICS FOR VARIABLES:	EGG	KEN
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	49.41	2.28
MAXIMUM:	75.43	5.35
MEAN:	57.96	4.88
STANDARD ERROR OF MEAN:	0.39	0.13
STANDARD DEVIATION:	4.83	1.64
COEFFICIENT OF VARIATION:	7.93	33.64
SKEWNESS:	0.34	0.46
KURTOSIS:	0.32	-0.23
CORRELATION COEFFICIENT:	-0.0693	

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THI
S RUN.

STATISTICS FOR VARIABLES:	MEN	KEN
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	0.01	2.28
MAXIMUM:	5.37	5.35
MEAN:	1.88	4.88
STANDARD ERROR OF MEAN:	0.13	0.13
STANDARD DEVIATION:	1.64	1.64
COEFFICIENT OF VARIATION:	87.43	33.66
SKEWNESS:	0.37	0.46
KURTOSIS:	-1.33	-0.23
CORRELATION COEFFICIENT:	-0.4116	

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

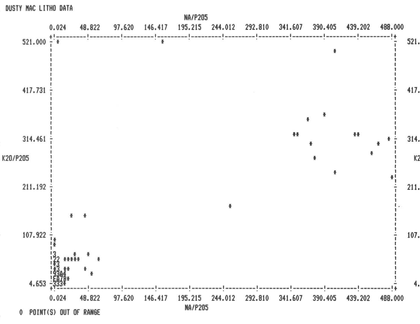
****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

A NEW SET OF TRANSFORMATIONS AND SELECTIONS WILL BE SPECIFIED.

******* THE FOLLOWING TRANSFORMATIONS WILL BE USED IN THIS RUN. *******

```
NA/P205  = NA2O     /   P205
K2O/P205 = K2O      /   P205
SI/P205  = SIO2     /   P205
```



STATISTICS FOR VARIABLES:	NA/P205	K2O/P205
NUMBER OF OBSERVATIONS:	151	151
MINIMUM:	0.02	4.65
MAXIMUM:	488.00	521.00
MEAN:	48.36	60.48
STANDARD ERROR OF MEAN:	9.81	8.56
STANDARD DEVIATION:	120.60	105.15
COEFFICIENT OF VARIATION:	249.37	173.88
SKEWNESS:	2.69	2.70
KURTOSIS:	5.62	6.71

CORRELATION COEFFICIENT: 0.8218

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

A NEW SET OF TRANSFORMATIONS AND SELECTIONS WILL BE SPECIFIED.

******* THE FOLLOWING TRANSFORMATIONS WILL BE USED IN THIS RUN. *******

```
SI/P205  = SIO2     /   P205
SI/TIO2  = SIO2     /   TIO2
K2O/TIO2 = K2O      /   TIO2
NA/TIO2  = NA2O     /   TIO2
```

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

A NEW SET OF TRANSFORMATIONS AND SELECTIONS WILL BE SPECIFIED.

```
*   *  *   *  ****   *       ****   *****
 * *    * *   *   *  *      *    *    *
  *      *    ****   *      *    *    *
 * *     *    *      *      *    *    *
*   *    *    *      *****   ****     *
```

A PROGRAM IN THE Q'GAS SYSTEM TO CALCULATE
CORRELATION COEFFICIENTS AND DISPLAY X-Y PLOTS

Version 5.0.3 March 1986

DATA TITLE: DUSTY MAC LITHO DATA

THE FOLLOWING VARIABLES ARE IN THE DATA SET:

AL203 BA CAO FE203 K20 MGO MNO2 NA20
P205 SIO2

TIO2 S TOTAL_PE

DUSTY MAC LITHO DATA

CORRELATION MATRIX: (99.0 INDICATES COEFFICIENT COULD NOT BE CALCULATED)

	AL203	BA	CAO	FE203	K20	MGO	MNO2	NA20	P205
SIO2	TIO2	S	TOTAL_PE						
AL203	1.000	0.397	-0.266	0.110	0.140	-0.173	0.071	0.336	0.00
8 -0.476	0.260	-0.090	0.040						
BA	0.397	1.000	-0.043	0.088	0.423	-0.080	0.258	0.303	0.03
1 -0.359	0.163	0.068	0.264						
CAO	-0.266	-0.043	1.000	0.183	-0.360	0.444	0.472	0.009	0.19
0 -0.394	0.043	-0.088	-0.382						
FE203	0.110	0.088	0.183	1.000	0.125	0.732	0.582	-0.518	0.61
5 -0.627	0.912	0.410	-0.196						
K20	0.140	0.423	-0.360	0.125	1.000	-0.024	0.015	-0.412	-0.03
1 -0.069	0.225	0.406	0.431						
MGO	-0.173	-0.080	0.444	0.732	-0.024	1.000	0.649	-0.494	0.53
4 -0.521	0.630	0.140	-0.347						
MNO2	0.071	0.258	0.472	0.582	0.015	0.649	1.000	-0.143	0.47
2 -0.614	0.521	-0.075	-0.279						
NA20	0.336	0.303	0.009	-0.518	-0.412	-0.494	-0.143	1.000	-0.33
6 0.100	-0.520	-0.543	0.114						
P205	0.008	0.031	0.190	0.615	-0.031	0.534	0.472	-0.336	1.00
0 -0.513	0.587	0.301	-0.355						
SIO2	-0.476	-0.359	-0.394	-0.627	-0.069	-0.521	-0.614	0.100	-0.51
3 1.000	-0.614	-0.176	0.429						
TIO2	0.260	0.163	0.043	0.912	0.225	0.630	0.521	-0.520	0.58
7 -0.614	1.000	0.356	-0.164						
S	-0.090	0.068	-0.088	0.410	0.406	0.140	-0.075	-0.543	0.30
1 -0.176	0.356	1.000	0.191						
TOTAL_PE	0.040	0.264	-0.382	-0.196	0.431	-0.347	-0.279	0.114	-0.35
5 0.429	-0.164	0.191	1.000						

DUSTY MAC LITHO DATA

NUMBER OF SAMPLES PER VARIABLE PAIR

	AL203	BA	CAO	FE203	K20	MGO	MNO2	NA20	P205
SIO2	TIO2	S	TOTAL_PE						
AL203	151	151	151	151	151	151	151	151	15
1 151	151	151	151						
BA	151	151	151	151	151	151	151	151	15
1 151	151	151	151						
CAO	151	151	151	151	151	151	151	151	15
1 151	151	151	151						
FE203	151	151	151	151	151	151	151	151	15
1 151	151	151	151						
K20	151	151	151	151	151	151	151	151	15
1 151	151	151	151						
MGO	151	151	151	151	151	151	151	151	15
1 151	151	151	151						
MNO2	151	151	151	151	151	151	151	151	15
1 151	151	151	151						
NA20	151	151	151	151	151	151	151	151	15
1 151	151	151	151						
P205	151	151	151	151	151	151	151	151	15
1 151	151	151	151						
SIO2	151	151	151	151	151	151	151	151	15
1 151	151	151	151						
TIO2	151	151	151	151	151	151	151	151	15
1 151	151	151	151						
S	151	151	151	151	151	151	151	151	15
1 151	151	151	151						
TOTAL_PE	151	151	151	151	151	151	151	151	15
1 151	151	151	151						

```
*****  *****  *    *  *   *  *****  *   *
*      *   *  *    *  **  *  *      *   *
*      *****  *    *  * * *  *      *****
*      * *    *    *  *  **  *      *   *
*****  *  **  ******  *   *  *****  *   *
```

18-DEC-89

A PROGRAM IN THE Q'GAS SYSTEM TO PREPARE
DATA FOR USE WITH OTHER Q'GAS PROGRAMS

Version 5.0.3 March 1986

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INPUT DATA TITLE: DUSTY MAC LITHO DATA

THE FOLLOWING VARIABLES HAVE BEEN RECOGNIZED ON THE INPUT DATA SET.

AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2
NA2O	P2O5	SIO2	TIO2	S	TOTAL_PE	

** THE FOLLOWING SPECIAL VALUES WERE RECODED TO EQUAL -1234.567 **

VARIABLE NAME	SPECIAL VALUE
AL2O3	-999.000
BA	-999.000
CAO	-999.000
FE2O3	-999.000
K2O	-999.000
MGO	-999.000
MNO2	-999.000
NA2O	-999.000
P2O5	-999.000
SIO2	-999.000
TIO2	-999.000
S	-999.000
TOTAL_PE	-999.000

THE FOLLOWING VARIABLES WERE TRANSFERRED TO THE OUTPUT DATA SET.

AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2
NA2O	P2O5	SIO2	TIO2	S	TOTAL_PE	

NUMBER OF OUTPUT SAMPLES = 151
NUMBER OF OUTPUT VARIABLES = 13

```
*   *  *   *  ****   *       ****   *****
 * *    * *   *   *  *      *    *    *
  *      *    ****   *      *    *    *
 * *     *    *      *      *    *    *
*   *    *    *      *****   ****     *
```

18-DEC-89

A PROGRAM IN THE Q'GAS SYSTEM TO CALCULATE
CORRELATION COEFFICIENTS AND DISPLAY X-Y PLOTS

Version 5.0.3 March 1986

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DATA TITLE: VELVET ASSAYS

THE FOLLOWING VARIABLES ARE IN THE DATA SET:

CU_PER PB_PER ZN_PER AG_GMPT AG_OZPT AU_GMPT AU_OZPT WIDTH

VELVET ASSAYS

CORRELATION MATRIX: (99.0 INDICATES COEFFICIENT COULD NOT BE CALCULATED)

	CU_PER	PB_PER	ZN_PER	AG_GMPT	AG_OZPT	AU_GMPT	AU_OZPT	WIDTH
CU_PER	1.000	0.162	0.150	0.895	0.895	0.450	0.450	0.125
PB_PER	0.162	1.000	0.004	0.187	0.187	0.158	0.159	-0.352
ZN_PER	0.150	0.004	1.000	0.255	0.255	0.468	0.468	0.159
AG_GMPT	0.895	0.187	0.255	1.000	1.000	0.702	0.703	0.051
AG_OZPT	0.895	0.187	0.255	1.000	1.000	0.703	0.703	0.051
AU_GMPT	0.450	0.158	0.468	0.702	0.703	1.000	1.000	-0.057
AU_OZPT	0.450	0.159	0.468	0.703	0.703	1.000	1.000	-0.057
WIDTH	0.125	-0.352	0.159	0.051	0.051	-0.057	-0.057	1.000

VELVET ASSAYS

NUMBER OF SAMPLES PER VARIABLE PAIR

	CU_PER	PB_PER	ZN_PER	AG_GMPT	AG_OZPT	AU_GMPT	AU_OZPT	WIDTH
CU_PER	75	75	75	75	75	75	75	75
PB_PER	75	75	75	75	75	75	75	75
ZN_PER	75	75	75	75	75	75	75	75
AG_GMPT	75	75	75	75	75	75	75	75
AG_OZPT	75	75	75	75	75	75	75	75
AU_GMPT	75	75	75	75	75	75	75	75
AU_OZPT	75	75	75	75	75	75	75	75

```
*   *  *   *  ****   *       ****   *****
 * *    * *   *   *  *      *    *    *
  *      *    ****   *      *    *    *
 * *     *    *      *      *    *    *
*   *    *    *      *****   ****     *
```

18-DEC-89

A PROGRAM IN THE Q'GAS SYSTEM TO CALCULATE
CORRELATION COEFFICIENTS AND DISPLAY X-Y PLOTS

Version 5.0.3 March 1986

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DATA TITLE: DUSTY MAC LITHO DATA

THE FOLLOWING VARIABLES ARE IN THE DATA SET:

AL2O3 BA CAO FE2O3 K2O MGO MNO2 NA2O
P2O5 SIO2

TIO2 S TOTAL_PE

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THI
S RUN.

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THI
S RUN.

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

A NEW SET OF TRANSFORMATIONS AND SELECTIONS WILL BE SPECIFIED.

******* THE FOLLOWING TRANSFORMATIONS WILL BE USED IN THIS RUN. *******

****

ANOTHER PASS WILL BE MADE THROUGH THE DATA.

A NEW SET OF TRANSFORMATIONS AND SELECTIONS WILL BE SPECIFIED.

******* THE FOLLOWING TRANSFORMATIONS WILL BE USED IN THIS RUN. *******