Cu, Au Stats plots

862619
Spring - Soil Stats
1988

Todd Kalnins
356-2286.

Thresholds

	$\bar{X}$	ST.D.	$2(std)+\bar{X}$	Intervals
Cu	16	14	44	40, 80, 160
Au	5	17	39	6, 20, 50, 100
Zn	199	261	722	300, 600, 1200, 2400
Pb	18	24	67	30, 60, 120
Ag	0.26	0.39	1.0	0.5, 1.0, 5.0

25

Pb, Zn, Ag → edit area.
→ two samples

P L A C E R D O M E I N C .

Placer Data Analysis System - STATS
run on 89:01:29 at 17:43:04
SPRING SOILS, ALL DATA

Summary of data from file : spg88.sol

This data file contains an internal header: (5 records)
Data grouped into 10 fields
with format: (A4,2A8,2F8.1,4F7.0,F6.1)

Character ID fields:
PROJ LINE STAT

Coordinate fields:
EAST NRTH

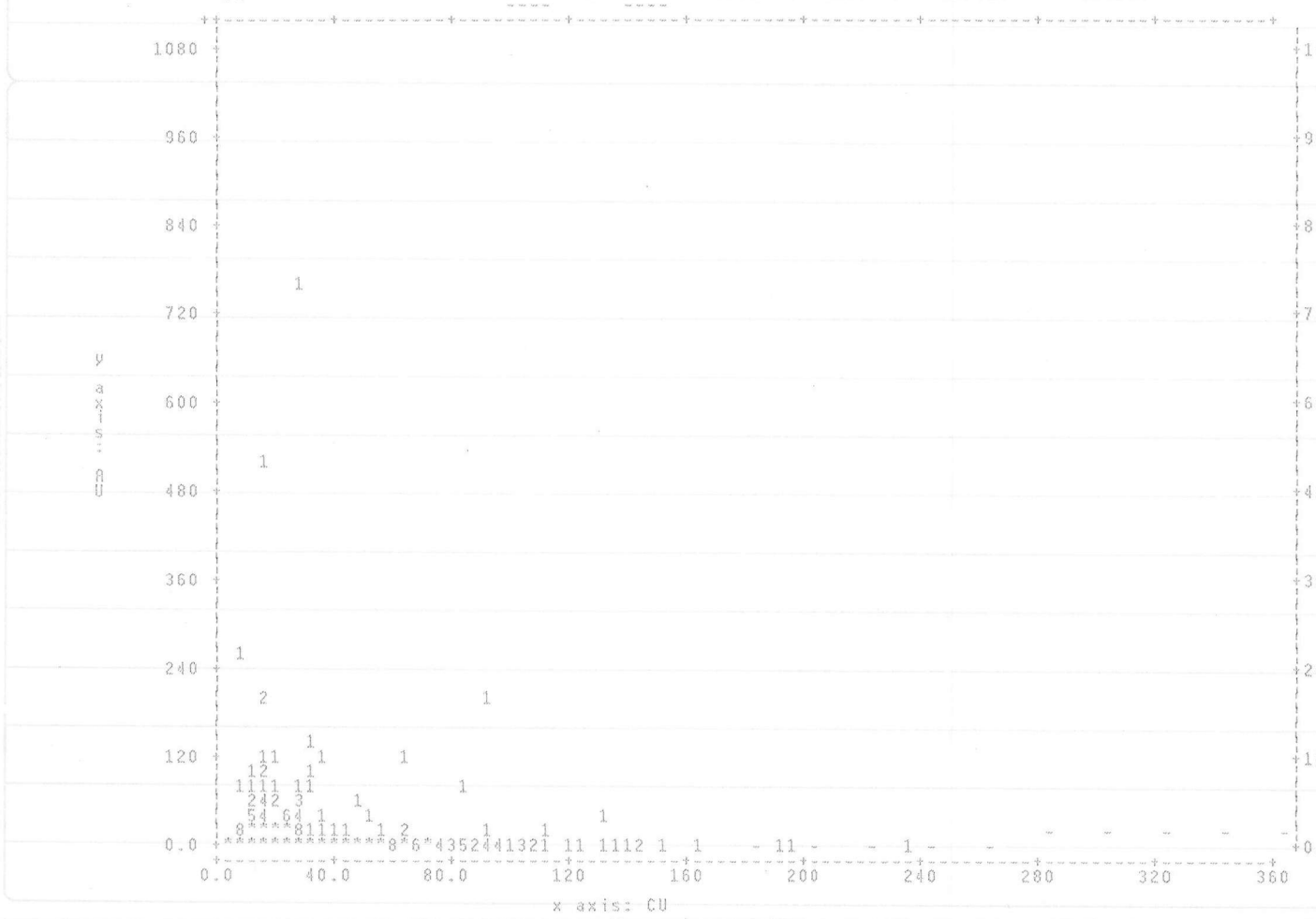
Other data fields:
CU ZN PB AU AG

Missing data indicated by NULL value 9999.00

BASIC STATISTICS OF SELECTED DATA FIELDS:

NAME	NDATA	NULLS	MINIMUM	MAXIMUM	MEAN	STD. DEV.	GEOM. MEAN	DISPERSION	
CU	4426	1	3.00000	232.000	16.5054	13.7174	13.7226	7.81285	24.1025
AU	4424	3	2.00000	770.000	5.10556	17.3748	3.52722	2.06409	6.02748

file: spg88.sol CU vs AU LOGX =0 LOGY =0 REPVAL = .00100



PLOT SUMMARY
4423 X-Y PAIRS
0 VALUES>MAX
0 VALUES<MIN
4423 PLOTTED

* = 10 OR MORE
+ = 1:1 LINE
- = LEAST-SQUARE LINE Y=A+BX

All data:

X	MINMAX	Y
3.0		2.0
232		770

REGRESSION LINE
A = 4.1714
B = .56655E-01
VARIANCE 301.42
STD. DEVIATION 17.361
CORRELATION COEF .44701E-01

Plotted Points:
X AVG 16.497
Y AVG 5.1060

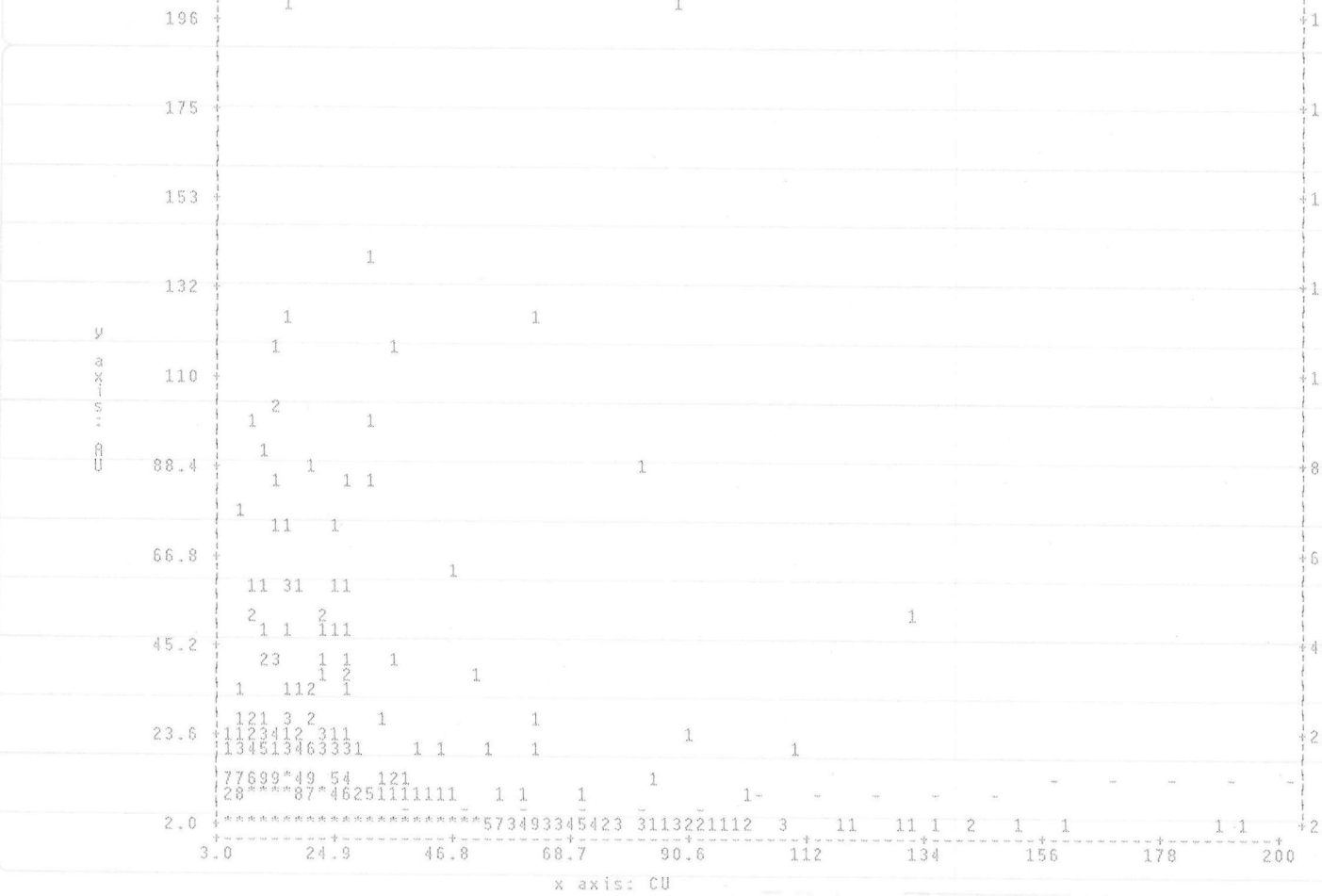
X	MINMAX	Y
3.0		2.0
232		770

PLOT INCREMENTS
X: 4.0000
Y: 20.000

1

SCPLOT : SPRING SOILS, ALL DATA RUN ON 89:01:29 AT 17:43:04

file: spg88.sol CU vs AU LOGX =0 LOGY =0 REPVAL = .00100



PLOT SUMMARY
4423 X-Y PAIRS
5 VALUES>MAX
0 VALUES<MIN
4418 PLOTTED

* = 10 OR MORE
+ = 1:1 LINE
- = LEAST-SQUARE LINE Y=A+BX

All data:

X	MINMAX	Y
3.0		2.0
232		770

REGRESSION LINE
A = 3.7495
B = .58555E-01
VARIANCE 84.142
STD. DEVIATION 9.1729
CORRELATION COEF .84784E-01

Plotted Points:
X AVG 16.450
Y AVG 4.7128

X	MINMAX	Y
3.0		2.0
193		200

PLOT INCREMENTS
X: 2.1889
Y: 3.6000

1

CORMAT: RUN ON 89:01:29 AT 17:43:04

Data from file: spg88.sol

SPRING SOILS, ALL DATA

Correlation matrix for 4427 records with 2 variables

LOG:	CU 0	AU 0
CU	1.000	.045
AU	.045	1.000

Number of data pairs contributing to correlation

	CU	AU
CU	4426	4423
AU	4423	4424

1

HISTO: SPRING SOILS, ALL DATA RUN ON 89:01:29 AT 17:43:04

File: spg88.sol Field name: CU LOG = 0 REPVAL = .00100

4426 SAMPLES WITH CU MINIMUM: 3.00000 MAXIMUM: 232.000

4426 VALUES PLOTTED: 0 NOT IN RANGE 3.00000 to 232.000

MEAN: 16.5054 STD. DEV.: 13.7174

SCALE OF HISTOGRAM IS 40.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT
54	.00000	1.22
2505	10.000	# 56.60
1273	20.000	28.76
327	30.000	7.39
122	40.000	# 2.76
57	50.000	1.29
27	60.000	.61
19	70.000	.43
9	80.000	.20
11	90.000	.25
5	100.00	.11
4	110.00	.09
2	120.00	.05
3	130.00	.07
3	140.00	.07
1	150.00	.02
1	160.00	.02
0	170.00	.00
0	180.00	.00
2	190.00	.05
0	200.00	.00
0	210.00	.00
0	220.00	.00
1	230.00	.02
0	240.00	.00
0	250.00	.00
0	260.00	.00
0	270.00	.00
0	280.00	.00
0	290.00	.00
0	300.00	.00
0	310.00	.00
0	320.00	.00
0	330.00	.00
0	340.00	.00
0	350.00	.00
0	360.00	.00
0	370.00	.00
0	380.00	.00
0	390.00	.00
0	400.00	.00
4426		

1

HISTO: SPRING SOILS, ALL DATA RUN ON 89:01:29 AT 17:43:04

File: spg88.sol Field name: CU LOG = 0 REPVAL = .00100

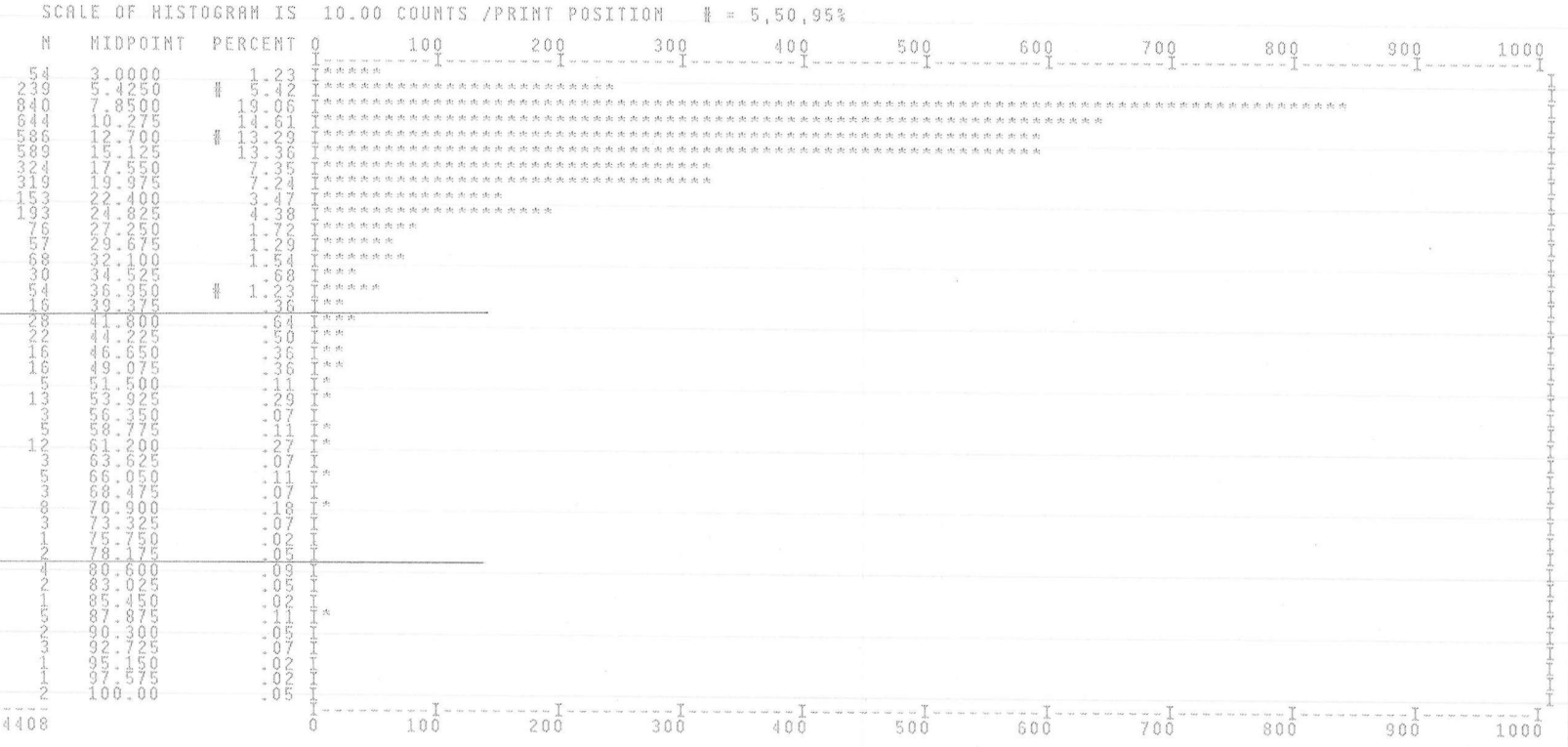
4426 SAMPLES WITH CU MINIMUM: 3.00000 MAXIMUM: 232.000

4408 VALUES PLOTTED: 18 NOT IN RANGE 3.00000 to 100.000

MEAN: 16.0048 STD. DEV.: 11.0686

SCALE OF HISTOGRAM IS 10.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT
54	3.0000	1.23
239	5.4250	# 5.42
840	7.8500	19.06
644	10.275	14.61
586	12.700	# 13.29
589	15.125	13.36
324	17.550	7.35
319	19.975	7.24
153	22.400	3.47
193	24.825	4.38
76	27.250	1.72
57	29.675	1.29
68	32.100	1.54
30	34.525	.68
54	36.950	# 1.23
16	39.375	.36
28	41.800	.64
22	44.225	.50
16	46.650	.36
16	49.075	.36
5	51.500	.11
13	53.925	.29
3	56.350	.07
5	58.775	.11
12	61.200	.27
3	63.625	.07
5	66.050	.11
3	68.475	.07
8	70.900	.18
3	73.325	.07
1	75.750	.02
2	78.175	.05
4	80.600	.09
2	83.025	.05
1	85.450	.02
5	87.875	.11
2	90.300	.05
3	92.725	.07
1	95.150	.02
1	97.575	.02
2	100.00	.05
4408		



1

HISTO: SPRING SOILS, ALL DATA RUN ON 89:01:29 AT 17:43:04

File: spg88.sol Field name: AU LOG = 0 REPVAL = .00100

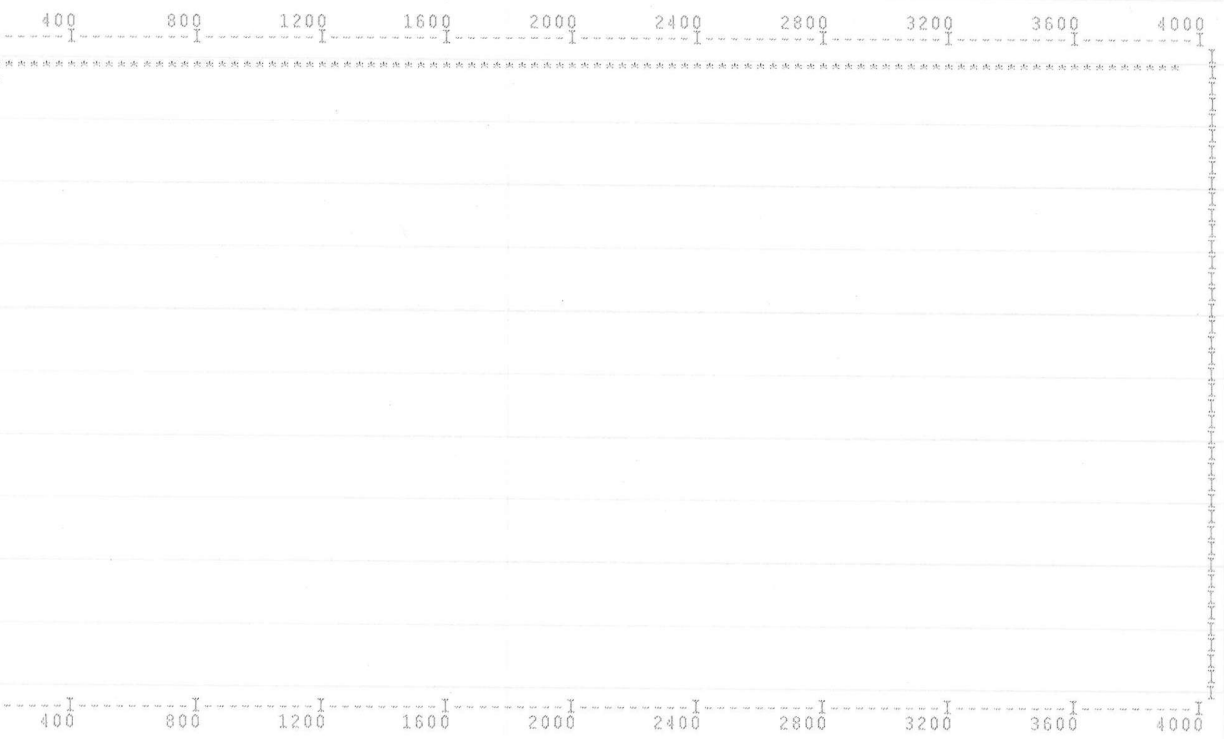
4424 SAMPLES WITH AU MINIMUM: 2.00000 MAXIMUM: 770.000

4402 VALUES PLOTTED: 22 NOT IN RANGE 2.00000 to 75.0000

MEAN: 4.26533 STD. DEV.: 5.58238

SCALE OF HISTOGRAM IS 40.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT
1	2.0000	.02
3906	3.8250	# 88.73
173	5.6500	3.93
0	7.4750	.00
128	9.3000	# 2.91
0	11.125	.00
0	12.950	.00
81	14.775	1.84
0	16.600	.00
0	18.425	.00
42	20.250	.95
0	22.075	.00
0	23.900	.00
20	25.725	.45
0	27.550	.00
11	29.375	.25
0	31.200	.00
0	33.025	.00
6	34.850	.14
0	36.675	.00
0	38.500	.00
4	40.325	.09
0	42.150	.00
0	43.975	.00
8	45.800	.18
0	47.625	.00
5	49.450	.11
0	51.275	.00
0	53.100	.00
5	54.925	.11
0	56.750	.00
0	58.575	.00
8	60.400	.18
0	62.225	.00
0	64.050	.00
1	65.875	.02
0	67.700	.00
0	69.525	.00
0	71.350	.00
0	73.175	.00
3	75.000	.07
4402		



1

HISTO: SPRING SOILS, ALL DATA RUN ON 89:01:29 AT 17:43:04

File: spg88.sol Field name: AU LOG = 0 REPVAL = .00100

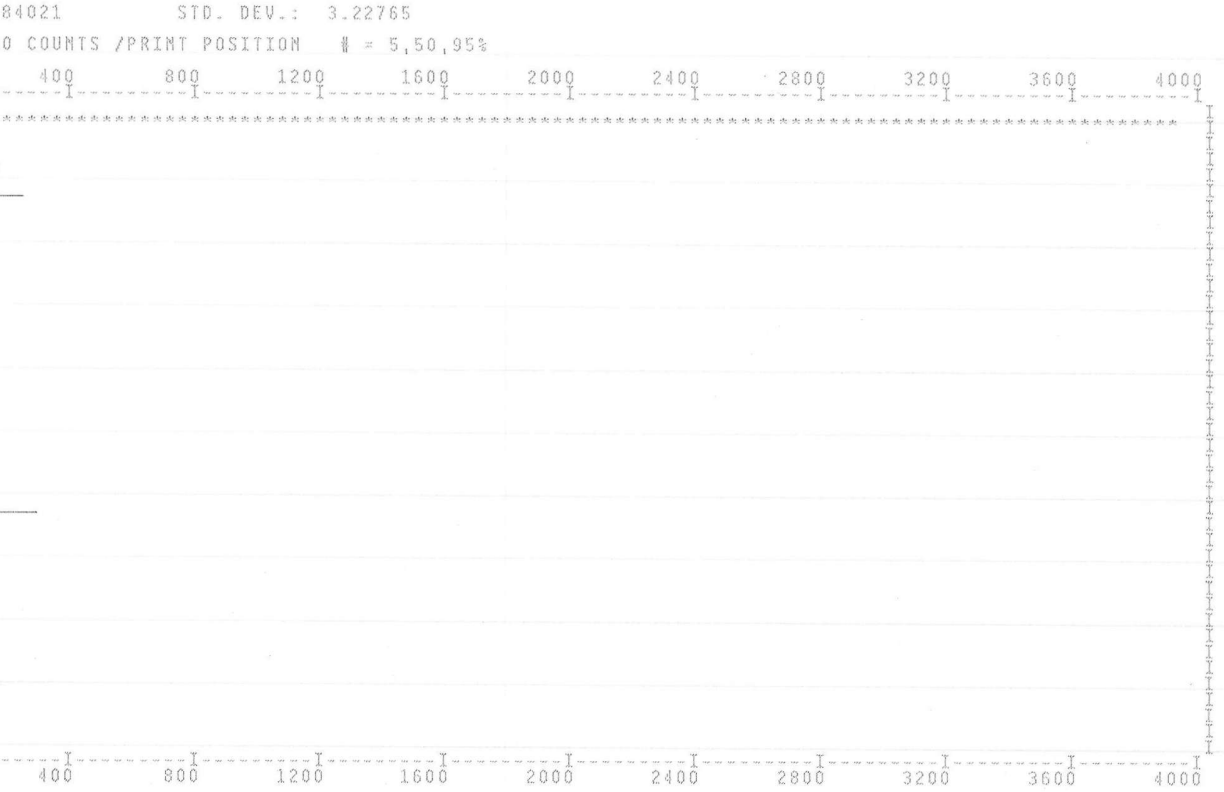
4424 SAMPLES WITH AU MINIMUM: 2.00000 MAXIMUM: 770.000

4362 VALUES PLOTTED: 62 NOT IN RANGE 2.00000 to 30.0000

MEAN: 3.84021 STD. DEV.: 3.22765

SCALE OF HISTOGRAM IS 40.00 COUNTS /PRINT POSITION # = 5,50,95%

N	MIDPOINT	PERCENT
1	2.0000	.02
3906	2.7000	# 89.55
0	3.4000	.00
0	4.1000	.00
173	4.8000	3.97
0	5.5000	.00
0	6.2000	.00
0	6.9000	.00
0	7.6000	.00
0	8.3000	.00
0	9.0000	.00
128	9.7000	# 2.93
0	10.400	.00
0	11.100	.00
0	11.800	.00
0	12.500	.00
0	13.200	.00
0	13.900	.00
0	14.600	.00
81	15.300	1.86
0	16.000	.00
0	16.700	.00
0	17.400	.00
0	18.100	.00
0	18.800	.00
0	19.500	.00
42	20.200	.96
0	20.900	.00
0	21.600	.00
0	22.300	.00
0	23.000	.00
0	23.700	.00
0	24.400	.00
19	25.100	.44
1	25.800	.02
0	26.500	.00
0	27.200	.00
0	27.900	.00
0	28.600	.00
0	29.300	.00
11	30.000	.25
4362		



1

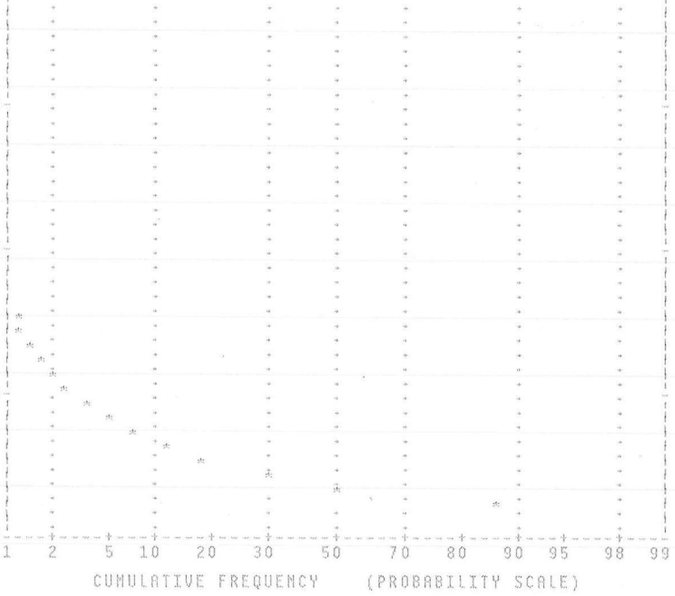
PRBPLT: SPRING SOILS, ALL DATA RUN ON 89:01:29 AT 17:43:04

file: spg88.sol Field name: CU LOG =0 REPVAL = .00100

MIN = 3.0000 MAX = 232.00 MEAN = 16.005 STD DEV = 11.069
NUMBER OF DATA PLOTTED = 4426 (1 NULLS 0 < YMIN 0 > YMAX)

CLASSIFICATION TABLE

Max Val	Nval	Freq	Cum Freq
232.00	1	.000	.000
227.42	0	.000	.000
222.84	0	.000	.000
218.26	0	.000	.000
213.68	0	.000	.000
209.10	0	.000	.000
204.52	0	.000	.000
199.94	0	.000	.000
195.36	1	.000	.000
190.78	1	.000	.001
186.20	0	.000	.001
181.62	0	.000	.001
177.04	0	.000	.001



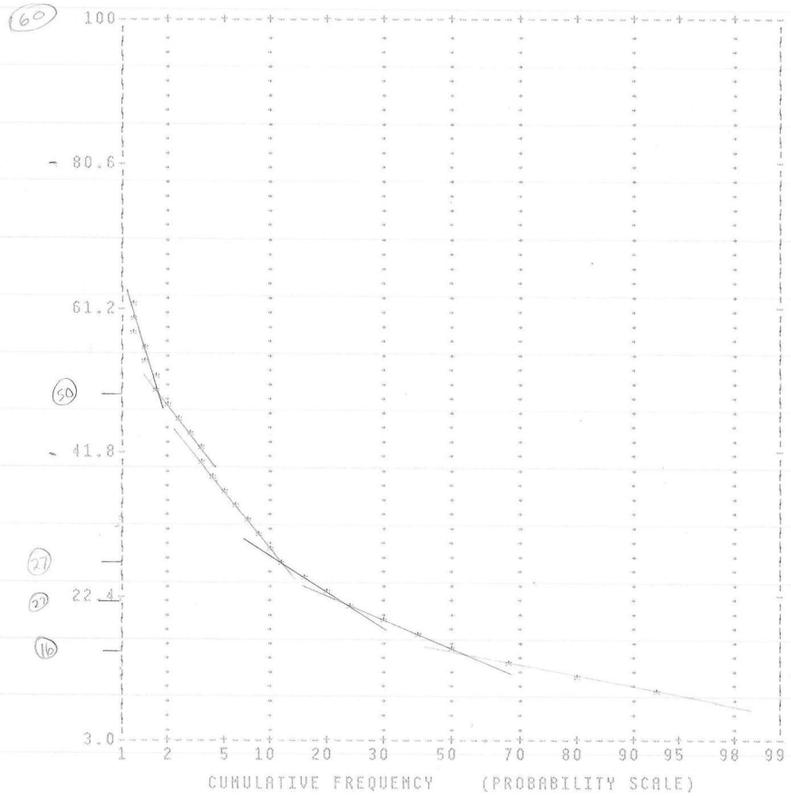
172.46	0	.000	.001
167.88	0	.000	.001
163.30	1	.000	.001
158.72	0	.000	.001
154.14	1	.000	.001
149.56	0	.000	.001
144.98	2	.000	.002
140.40	1	.000	.002
135.82	1	.000	.002
131.24	2	.000	.002
126.66	0	.000	.002
122.08	1	.000	.003
117.50	1	.000	.003
112.92	1	.000	.003
108.34	3	.001	.004
103.76	3	.001	.005
99.180	2	.000	.005
94.600	3	.001	.006
90.020	7	.002	.007
85.440	3	.001	.008
80.860	6	.001	.009
76.280	5	.001	.010
71.700	10	.002	.013
67.120	8	.002	.014
62.540	17	.004	.018
57.960	11	.002	.021
53.380	23	.005	.026
48.800	30	.007	.033
44.220	51	.012	.044
39.640	58	.013	.057
35.060	98	.022	.080
30.480	183	.041	.121
25.900	296	.067	.188
21.320	643	.145	.333
16.740	860	.194	.527
12.160	1566	.354	.881
7.5800	526	.119	1.000
3.0000	0	.000	1.000

1

PRBPLT: SPRING SOILS, ALL DATA RUN ON 89:01:29 AT 17:43:04

file: spg88.sol Field name: CU LOG =0 REPVAL = .00100

MIN = 3.0000 MAX = 232.00 MEAN = 16.005 STD DEV = 11.069
NUMBER OF DATA PLOTTED = 4408 (1 NULLS 0 < YMIN 18 > YMAX)



CLASSIFICATION TABLE

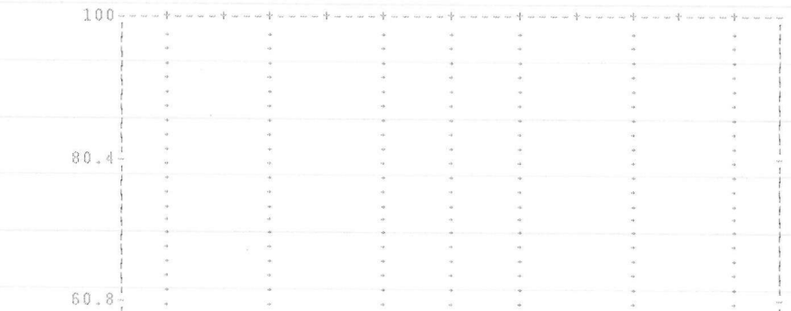
Max Val	Nval	Freq	Cum Freq
100.00	2	.000	.000
98.060	1	.000	.001
96.120	1	.000	.001
94.180	1	.000	.001
92.240	2	.000	.002
90.300	3	.001	.002
88.360	4	.001	.003
86.420	1	.000	.003
84.480	2	.000	.004
82.540	0	.000	.004
80.600	4	.001	.005
78.660	2	.000	.005
76.720	1	.000	.005
74.780	3	.001	.006
72.840	3	.001	.007
70.900	6	.001	.008
68.960	2	.000	.009
67.020	5	.001	.010
65.080	1	.000	.010
63.140	4	.001	.011
61.200	10	.002	.013
59.260	5	.001	.014
57.320	3	.001	.015
55.380	8	.002	.017
53.440	6	.001	.018
51.500	15	.003	.022
49.560	5	.001	.023
47.620	16	.004	.026
45.680	22	.005	.031
43.740	15	.003	.035
41.800	25	.006	.040
39.860	22	.005	.045
37.920	36	.008	.054
35.980	13	.003	.056
34.040	42	.010	.066
32.100	43	.010	.076
30.160	57	.013	.089
28.220	76	.017	.106
26.280	109	.025	.131
24.340	147	.033	.164
22.400	177	.040	.204
20.460	232	.053	.257
18.520	324	.074	.330
16.580	393	.089	.419
14.640	467	.106	.525
12.700	629	.143	.668
10.760	645	.146	.814
8.8200	525	.119	.934
6.8800	239	.054	.988
4.9400	54	.012	1.000
3.0000	0	.000	1.000

1

PRBPLT: SPRING SOILS, ALL DATA RUN ON 89:01:29 AT 17:43:04

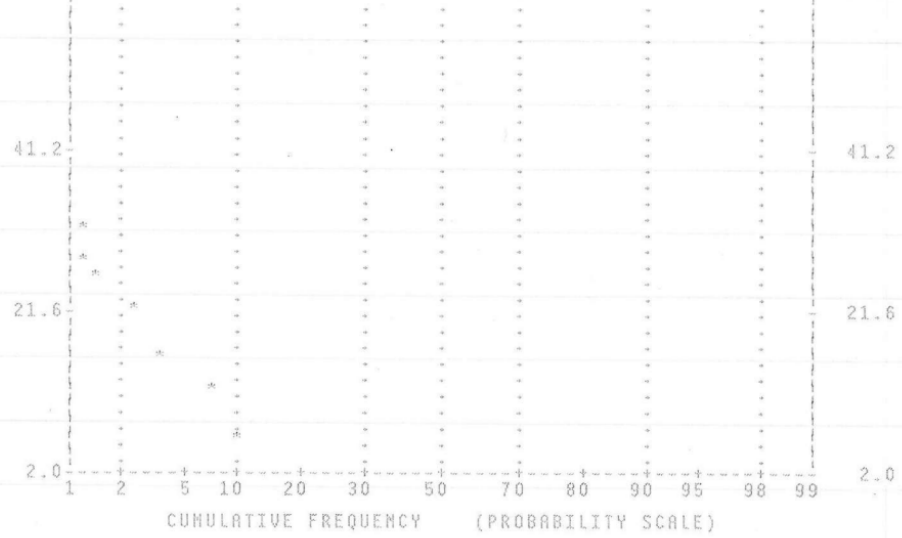
file: spg88.sol Field name: AV LOG =0 REPVAL = .00100

MIN = 2.0000 MAX = 770.00 MEAN = 3.8402 STD DEV = 3.2276
NUMBER OF DATA PLOTTED = 4411 (3 NULLS 0 < YMIN 13 > YMAX)



CLASSIFICATION TABLE

Max Val	Nval	Freq	Cum Freq
100.00	2	.000	.000
98.040	0	.000	.000
96.080	1	.000	.001
94.120	0	.000	.001
92.160	0	.000	.001
90.200	2	.000	.001
88.240	0	.000	.001
86.280	3	.001	.002
84.320	0	.000	.002
82.360	0	.000	.002
80.400	1	.000	.002
78.440	0	.000	.002
76.480	3	.001	.003
74.520	0	.000	.003
72.560	0	.000	.003
70.600	0	.000	.003
68.640	0	.000	.003
66.680	1	.000	.003
64.720	0	.000	.003
62.760	0	.000	.003
60.800	8	.002	.005



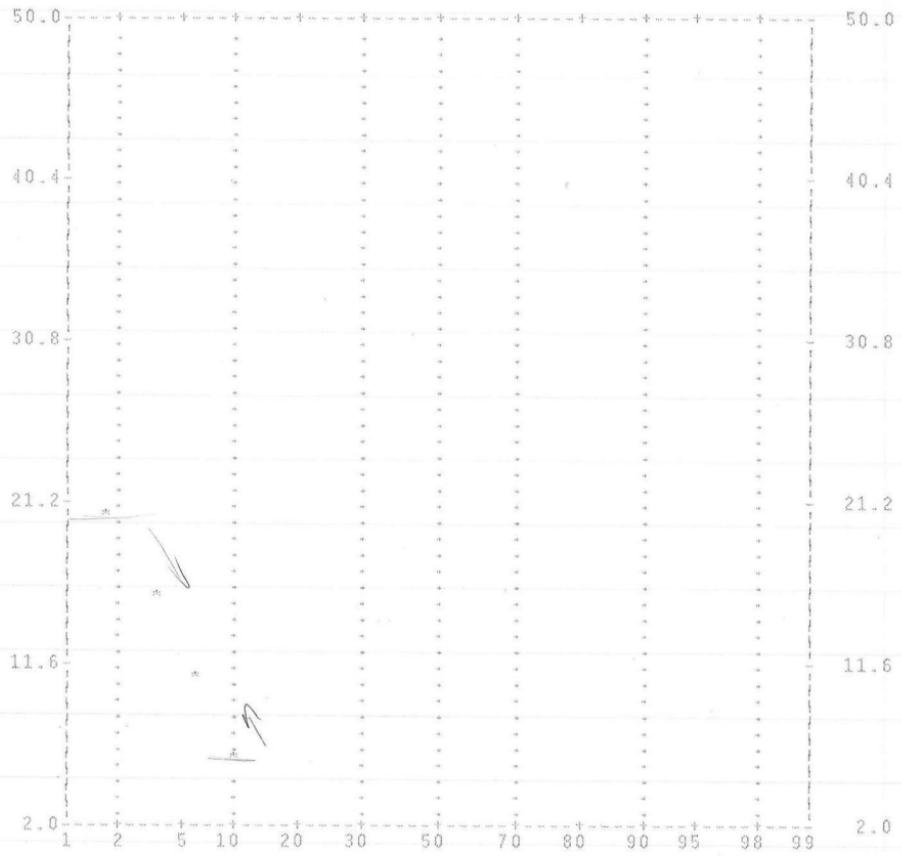
58.840	0	.000	.005
56.880	5	.001	.006
54.920	0	.000	.006
52.960	0	.000	.006
51.000	5	.001	.007
49.040	0	.000	.007
47.080	0	.000	.007
45.120	8	.002	.009
43.160	0	.000	.009
41.200	4	.001	.010
39.240	0	.000	.010
37.280	0	.000	.010
35.320	6	.001	.011
33.360	0	.000	.011
31.400	11	.002	.014
29.440	0	.000	.014
27.480	1	.000	.014
25.520	19	.004	.018
23.560	0	.000	.018
21.600	42	.010	.028
19.640	0	.000	.028
17.680	0	.000	.028
15.720	81	.018	.046
13.760	0	.000	.046
11.800	128	.029	.075
9.8400	0	.000	.075
7.8800	0	.000	.075
5.9200	173	.039	.114
3.9600	3907	.886	1.000
2.0000	0	.000	1.000

1

PRBPLT: SPRING SOILS, ALL DATA RUN ON 89:01:29 AT 17:43:04

file: spg88.sol Field name: AU LOG =0 REPVAL = .00100

MIN = 2.0000 MAX = 770.00 MEAN = 3.8402 STD DEV = 3.2276
NUMBER OF DATA PLOTTED = 4385 (3 NULLS 0 < YMIN 39 > YMAX)



CLASSIFICATION TABLE

Max Val	Nval	Freq	Cum Freq
50.000	5	.001	.001
49.040	0	.000	.001
48.080	0	.000	.001
47.120	0	.000	.001
46.160	0	.000	.001
45.200	8	.002	.003
44.240	0	.000	.003
43.280	0	.000	.003
42.320	0	.000	.003
41.360	0	.000	.003
40.400	4	.001	.004
39.440	0	.000	.004
38.480	0	.000	.004
37.520	0	.000	.004
36.560	0	.000	.004
35.600	6	.001	.005
34.640	0	.000	.005
33.680	0	.000	.005
32.720	0	.000	.005
31.760	0	.000	.005
30.800	11	.003	.008
29.840	0	.000	.008
28.880	0	.000	.008
27.920	0	.000	.008
26.960	0	.000	.008
26.000	1	.000	.008
25.040	19	.004	.012
24.080	0	.000	.012
23.120	0	.000	.012
22.160	0	.000	.012
21.200	0	.000	.012
20.240	42	.010	.022
19.280	0	.000	.022
18.320	0	.000	.022
17.360	0	.000	.022
16.400	0	.000	.022
15.440	81	.018	.040
14.480	0	.000	.040
13.520	0	.000	.040
12.560	0	.000	.040
11.600	0	.000	.040
10.640	128	.029	.070
9.6800	0	.000	.070
8.7200	0	.000	.070
7.7600	0	.000	.070
6.8000	0	.000	.070
5.8400	173	.039	.109
4.8800	0	.000	.109
3.9200	3906	.891	1.000
2.9600	1	.000	1.000
2.0000	0	.000	1.000