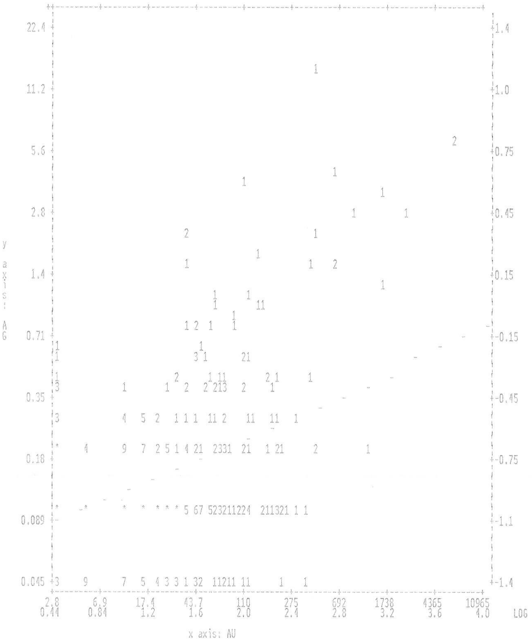
861616
Windy

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

          PDI Data Analysis System  - STATS
             run on 91:01:27  at 23:57:30
      Current directory: /data/expl/windy/geolog
       WINDY 1990 PROJECT: ROCK DATA STATISTICAL ANALYSIS

   Summary of data from file : rock90.all
                               ----------

   This data file contains an internal header: (  5 records)
     Data grouped into   9 fields
     with format: ( 3A8, 2F10.2, 4F10.2)

     Character ID fields:
   DH   ROCK SAMP

     Coordinate fields:
   FROM TO

     Other data fields:
   AU   AG   AS   CU

   Missing data indicated by NULL value -1.00000


   BASIC STATISTICS OF SELECTED DATA FIELDS:

 NAME  NDATA NULLS   MINIMUM      MAXIMUM        MEAN       STD. DEV.     GEOM. MEAN       DISPERSION

 AU      461    53   3.00000      6010.00       86.8308      429.791       18.4135      4.08799       82.9398
 AG      461    53  0.500000E-01  15.0000      0.305857     0.924767      0.149367     0.613143E-01 0.363869
 AS      461    53   1.00000      2400.00       34.0022      152.263       8.11774      1.71835       38.3494
 CU      461    53   7.00000      4400.00       232.193      392.925       140.162      54.8202       358.362
```

```
  CORMAT: RUN ON 91:01:27  AT  23:57:30
       Data from file: rock90.all

       WINDY 1990 PROJECT: ROCK DATA STATISTICAL ANALYSIS
   Correlation matrix for   514 records with   4 variables

            AU       AG       AS       CU
   LOG:     1        1        1        1

 AU        1.000    0.450    0.468    0.499
 AG        0.450.   1.000    0.307    0.509
 AS        0.468    0.307    1.000    0.333
 CU        0.499    0.509    0.333    1.000

   Number of data pairs contributing to correlation


            AU       AG       AS       CU
 AU          461      461      461      461
 AG          461      461      461      461
 AS          461      461      461      461
 CU          461      461      461      461
```

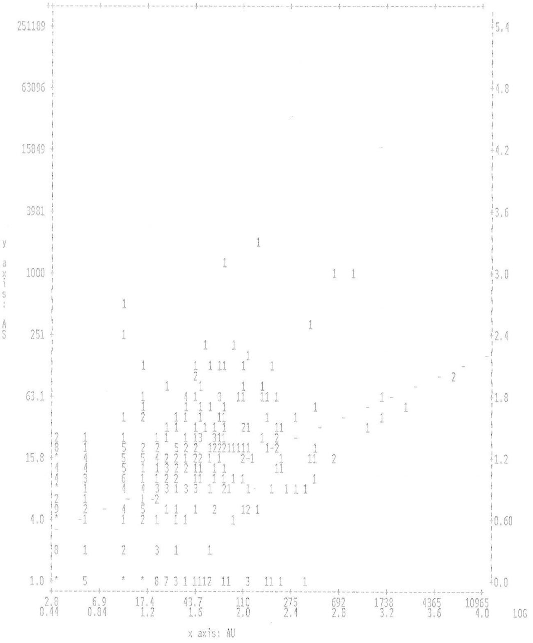
```
   SCPLOT  :     WINDY 1990 PROJECT: ROCK DATA STATISTICAL ANALYSIS              RUN ON 91:01:27  AT  23:57:30
```

```
file: rock90.all              AU    vs  AG      LOGX =1  LOGY =1   REPVAL =   0.00100
                              ----      ----
```



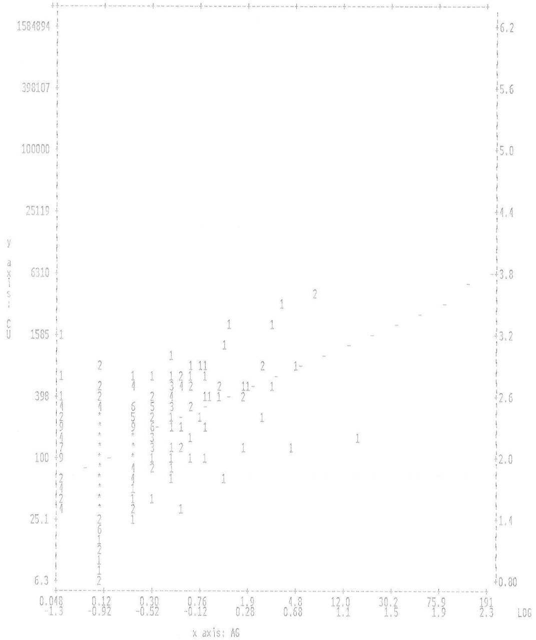
```
PLOT SUMMARY
---- -------
  461 X-Y PAIRS
    0 VALUES>MAX
    0 VALUES<MIN
  461 PLOTTED

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

  All data:
   X  MINMAX  Y
   -          -
      3    0.05
   6010      15

REGRESSION LINE
---------- ----
A = -1.1625
B = 0.26615
VARIANCE
    0.11953
STD. DEVIATION
    0.34573
CORRELATION COEF
    0.44987

Plotted Points:
X: GEOM MEAN
     18.414
Y: GEOM MEAN
    0.14937

   X  MINMAX  Y
      3    0.05
   6010      15

PLOT INCREMENTS
---- ----------
X:  0.40000E-01
Y:  0.50000E-01
```

```
SCPLOT  :     WINDY 1990 PROJECT: ROCK DATA STATISTICAL ANALYSIS              RUN ON 91:01:27  AT  23:57:30
file: rock90.all              AU    vs  AS      LOGX =1  LOGY =1   REPVAL =   0.00100
                              ----      ----
```



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

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

  All data:
   X  MINMAX  Y
   -          -
      3       1
   6010    2400

REGRESSION LINE
---------- ----
A = 0.29907
B = 0.48245
VARIANCE
    0.35605
STD. DEVIATION
    0.59670
CORRELATION COEF
    0.46764

Plotted Points:
X: GEOM MEAN
     18.414
Y: GEOM MEAN
     8.1177

   X  MINMAX  Y
      3       1
   6010    2400

PLOT INCREMENTS
---- ----------
X:  0.40000E-01
Y:  0.10000
```

```
SCPLOT  :     WINDY 1990 PROJECT: ROCK DATA STATISTICAL ANALYSIS              RUN ON 91:01:27  AT  23:57:30
file: rock90.all              AG    vs  CU      LOGX =1  LOGY =1   REPVAL =   0.00100
                              ----      ----
```



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

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

  All data:
   X  MINMAX  Y
   -          -
   0.05       7
     15    4400

REGRESSION LINE
---------- ----
A =  2.5899
B = 0.53686
VARIANCE
   0.12338
STD. DEVIATION
   0.35126
CORRELATION COEF
   0.50921

Plotted Points:
X: GEOM MEAN
   0.14937
Y: GEOM MEAN
    140.16

   X  MINMAX  Y
   0.05       7
     15    4400

PLOT INCREMENTS
---- ----------
X:  0.40000E-01
Y:  0.10000
```

```
HISTO:    WINDY 1990 PROJECT: ROCK DATA STATISTICAL ANALYSIS                 RUN ON 91:01:27  AT  23:57:30

File: rock90.all               Field name: AU      LOG = 1  REPVAL =   0.00100
                                           ----
 461 SAMPLES WITH AU     MINIMUM:   3.00000          MAXIMUM:  6010.00

 445 VALUES PLOTTED:    16 NOT IN RANGE   3.00000     to  350.000

    GEOMETRIC MEAN:         16.0129         DISPERSION:  4.25958     60.1966

  SCALE OF HISTOGRAM IS   2.00 COUNTS /PRINT POSITION   # = 5,50,95%

   N   MIDPOINT  PERCENT  0         20        40        60        80        100       120       140       160       180       200
                         I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
 116   3.0000   # 26.07  I**********************************************************
   0   3.3791      0.00  I
   0   3.8060      0.00  I
   0   4.2869      0.00  I
  24   4.8285      5.39  I************
   0   5.4386      0.00  I
   0   6.1258      0.00  I
   0   6.8998      0.00  I
   0   7.7716      0.00  I
   0   8.7536      0.00  I
  55   9.8596     12.36  I****************************
   0   11.105      0.00  I
   0   12.509      0.00  I
   0   14.089      0.00  I
  38   15.869   #  8.54  I*******************
   0   17.874      0.00  I
  26   20.133      5.84  I*************
   0   22.676      0.00  I
  21   25.542      4.72  I***********
  20   28.769      4.49  I**********
   0   32.404      0.00  I
  17   36.498      3.82  I*********
  17   41.109      3.82  I*********
  11   46.304      2.47  I******
  11   52.154      2.47  I******
  10   58.744      2.25  I*****
  15   66.166      3.37  I********
   7   74.526      1.57  I****
   5   83.943      1.12  I***
   8   94.549      1.80  I****
  10   106.50      2.25  I*****
   6   119.95      1.35  I***
   2   135.11      0.45  I*
   5   152.18   #  1.12  I***
   4   171.41      0.90  I**
   8   193.06      1.80  I****
   4   217.46      0.90  I**
   1   244.93      0.22  I*
   2   275.88      0.45  I*
   0   310.74      0.00  I
   2   350.00      0.45  I*
----                     I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
 445                     0         20        40        60        80        100       120       140       160       180       200
```

```
HISTO:    WINDY 1990 PROJECT: ROCK DATA STATISTICAL ANALYSIS                 RUN ON 91:01:27  AT  23:57:30

File: rock90.all               Field name: AG      LOG = 1  REPVAL =   0.00100
                                           ----
 461 SAMPLES WITH AG     MINIMUM:  0.500000E-01     MAXIMUM:  15.0000

 455 VALUES PLOTTED:     6 NOT IN RANGE  0.500000E-01 to  3.00000

    GEOMETRIC MEAN:         0.142291        DISPERSION: 0.647863E-010.312517

  SCALE OF HISTOGRAM IS   4.00 COUNTS /PRINT POSITION   # = 5,50,95%
```

```
   N  MIDPOINT   PERCENT 0        40        80       120       160       200       240       280       320       360       400
                         I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
  50  0.50000E-01# 10.99 I*************
   0  0.55389E-01   0.00 I                                                                                                    I
   0  0.61359E-01   0.00 I                                                                                                    I
   0  0.67972E-01   0.00 I                                                                                                    I
   0  0.75298E-01   0.00 I                                                                                                    I
   0  0.83414E-01   0.00 I                                                                                                    I
   0  0.92404E-01   0.00 I                                                                                                    I
 247  0.10236    # 54.29 I**************************************************************                                      I
   0  0.11340       0.00 I                                                                                                    I
   0  0.12562       0.00 I                                                                                                    I
   0  0.13916       0.00 I                                                                                                    I
   0  0.15416       0.00 I                                                                                                    I
   0  0.17077       0.00 I                                                                                                    I
   0  0.18918       0.00 I                                                                                                    I
  72  0.20957      15.82 I******************                                                                                  I
   0  0.23215       0.00 I                                                                                                    I
   0  0.25718       0.00 I                                                                                                    I
   0  0.28489       0.00 I                                                                                                    I
  26  0.31560       5.71 I*******                                                                                             I
   0  0.34962       0.00 I                                                                                                    I
  18  0.38730       3.96 I*****                                                                                               I
   0  0.42904       0.00 I                                                                                                    I
  10  0.47528       2.20 I***                                                                                                 I
   0  0.52651       0.00 I                                                                                                    I
   8  0.58326       1.76 I**                                                                                                  I
   0  0.64612       0.00 I                                                                                                    I
   2  0.71576    #  0.44 I*                                                                                                   I
   5  0.79291       1.10 I*                                                                                                   I
   1  0.87837       0.22 I                                                                                                    I
   3  0.97304       0.66 I*                                                                                                   I
   0   1.0779       0.00 I                                                                                                    I
   2   1.1941       0.44 I*                                                                                                   I
   1   1.3228       0.22 I                                                                                                    I
   0   1.4654       0.00 I                                                                                                    I
   4   1.6233       0.88 I*                                                                                                   I
   0   1.7983       0.00 I                                                                                                    I
   1   1.9921       0.22 I                                                                                                    I
   3   2.2068       0.66 I*                                                                                                   I
   0   2.4446       0.00 I                                                                                                    I
   0   2.7081       0.00 I                                                                                                    I
   2   3.0000       0.44 I*                                                                                                   I
-----                    I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
  455                    0        40        80       120       160       200       240       280       320       360       400
```

```
HISTO:     WINDY 1990 PROJECT: ROCK DATA STATISTICAL ANALYSIS              RUN ON 91:01:27  AT  23:57:30

File: rock90.all              Field name: AS      LOG = 1  REPVAL =   0.00100
                                          ----
 461 SAMPLES WITH AS     MINIMUM:   1.00000          MAXIMUM:  2400.00

 452 VALUES PLOTTED:     9 NOT IN RANGE   1.00000     to  200.000

    GEOMETRIC MEAN:          7.45231         DISPERSION:  1.76859     31.4019

   SCALE OF HISTOGRAM IS   2.00 COUNTS /PRINT POSITION   # = 5,50,95%

   N  MIDPOINT   PERCENT 0        20        40        60        80       100       120       140       160       180       200
                         I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
 118  1.0000     # 26.11 I***********************************************************
   0  1.1416        0.00 I                                                                                                    I
   0  1.3033        0.00 I                                                                                                    I
   0  1.4879        0.00 I                                                                                                    I
   0  1.6986        0.00 I                                                                                                    I
  16  1.9392        3.54 I********                                                                                            I
   0  2.2139        0.00 I                                                                                                    I
   0  2.5274        0.00 I                                                                                                    I
   0  2.8854        0.00 I                                                                                                    I
   0  3.2941        0.00 I                                                                                                    I
  16  3.7606        3.54 I********                                                                                            I
   0  4.2932        0.00 I                                                                                                    I
   2  4.9013        0.44 I*                                                                                                   I
   0  5.5954        0.00 I                                                                                                    I
  29  6.3879        6.42 I***************                                                                                     I
   6  7.2927        1.33 I***                                                                                                 I
  17  8.3255        3.76 I*********                                                                                           I
  24  9.5047     #  5.31 I************                                                                                        I
   8  10.851        1.77 I****                                                                                                I
  21  12.388        4.65 I***********                                                                                         I
  25  14.142        5.53 I*************                                                                                       I
  32  16.145        7.08 I****************                                                                                    I
  15  18.432        3.32 I********                                                                                            I
  33  21.042        7.30 I*****************                                                                                   I
  10  24.022        2.21 I*****                                                                                               I
  15  27.425        3.32 I********                                                                                            I
   8  31.309        1.77 I****                                                                                                I
   7  35.743        1.55 I****                                                                                                I
   3  40.806        0.66 I**                                                                                                  I
   6  46.585        1.33 I***                                                                                                 I
   7  53.183        1.55 I****                                                                                                I
   4  60.715        0.88 I**                                                                                                  I
  11  69.314     #  2.43 I******                                                                                              I
   4  79.132        0.88 I**                                                                                                  I
   2  90.339        0.44 I*                                                                                                   I
   3  103.13        0.66 I**                                                                                                  I
   2  117.74        0.44 I*                                                                                                   I
   5  134.42        1.11 I***                                                                                                 I
   2  153.45        0.44 I*                                                                                                   I
   1  175.19        0.22 I*                                                                                                   I
   0  200.00        0.00 I                                                                                                    I
-----                    I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
  452                    0        20        40        60        80       100       120       140       160       180       200
```

```
HISTO:     WINDY 1990 PROJECT: ROCK DATA STATISTICAL ANALYSIS              RUN ON 91:01:27  AT  23:57:30

File: rock90.all              Field name: CU      LOG = 1  REPVAL =   0.00100
                                          ----
 461 SAMPLES WITH CU     MINIMUM:   7.00000          MAXIMUM:  4400.00

 456 VALUES PLOTTED:     5 NOT IN RANGE   7.00000     to  2000.00

    GEOMETRIC MEAN:          135.449         DISPERSION:  55.9475     327.921

   SCALE OF HISTOGRAM IS   0.40 COUNTS /PRINT POSITION   # = 5,50,95%

   N  MIDPOINT   PERCENT 0         4         8        12        16        20        24        28        32        36        40
                         I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
   2  7.0000        0.44 I*****
   0  8.0630        0.00 I                                                                                                    I
   1  9.2874        0.22 I**                                                                                                  I
   1  10.698        0.22 I**                                                                                                  I
   0  12.322        0.00 I                                                                                                    I
   2  14.194        0.44 I*****                                                                                               I
```

```
    1   16.349       0.22 I**                                                                                                  I
    2   18.832       0.44 I*****                                                                                               I
    3   21.691       0.66 I*******                                                                                             I
    1   24.985       0.22 I**                                                                                                  I
    2   28.779       0.44 I*****                                                                                               I
   14   33.150    #  3.07 I***********************************                                                                 I
   10   38.184       2.19 I*************************                                                                           I
   14   43.982       3.07 I***********************************                                                                 I
   13   50.661       2.85 I********************************                                                                    I
   16   58.354       3.51 I****************************************                                                            I
   20   67.216       4.39 I**************************************************                                                  I
   22   77.423       4.82 I*******************************************************                                             I
   22   89.180       4.82 I*******************************************************                                             I
   34   102.72       7.46 I*************************************************************************************               I
   30   118.32       6.58 I***************************************************************************                         I
   40   136.29    #  8.77 I****************************************************************************************************I
   34   156.99       7.46 I*************************************************************************************               I
   25   180.83       5.48 I**************************************************************                                      I
   28   208.28       6.14 I**********************************************************************                              I
   20   239.91       4.39 I**************************************************                                                  I
   11   276.35       2.41 I***************************                                                                         I
   19   318.31       4.17 I***********************************************                                                     I
   16   366.65       3.51 I****************************************                                                            I
    9   422.33       1.97 I**********************                                                                              I
   10   486.46       2.19 I*************************                                                                           I
   11   560.33       2.41 I***************************                                                                         I
    9   645.42    #  1.97 I**********************                                                                              I
    3   743.43       0.66 I*******                                                                                             I
    3   856.33       0.66 I*******                                                                                             I
    6   986.37       1.32 I***************                                                                                     I
    0   1136.2       0.00 I                                                                                                    I
    1   1308.7       0.22 I**                                                                                                  I
    1   1507.4       0.22 I**                                                                                                  I
    0   1736.3       0.00 I                                                                                                    I
    0   2000.0       0.00 I                                                                                                    I
-----                     I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
  456                     0         4         8        12        16        20        24        28        32        36        40
```