

020288

PQS001 GEOCHM MH LIB\$ AT: 01/09/80 09:17:28 JOB: 58988 UU 40-01-002 6043244320 7 COPY: 1 *

JANUARY 9, 1980

CONDESCRIPTIVE

FILE #2

normalized without LOI

S excluded

SPSS FOR INFONET CSIS, RELEASE 7.2.1, JUNE 21, 1979

DEFAULT SPACE ALLOCATION.. WORKSPACE 3584 WORDS TRANSSPACE 512 WORDS
 ALLOWS FOR.. 23 TRANSFORMATIONS
 46 RECODE VALUES + LAG VARIABLES
 46 IF/COMPUTE OPERATIONS

RUN NAME CYPRUS ANVIL MINING CORPORATION
 FILE NAME GCHSS2 NORMALIZED WITHOUT L.O.I. - 'S' EXCLUDED
 VARIABLE LIST SPEC SIO2 TI02 AL203 FE203 FEO MNO MGO CAO NA20 K20 P205 S LOI
 INPUT MEDIUM DISK
 N OF CASES UNKNOWN
 INPUT FORMAT FIXED (A1,19X,7F8.2/12X,8F8.2/12X,8F8.2/12X,5F8.2,22X,F2.0,F1.0,
 F3.0)

ACCORDING TO YOUR INPUT FORMAT, VARIABLES ARE TO BE READ AS FOLLOWS

VARIABLE	FORMAT	RECORD	COLUMNS
SPEC	A	1	1 - 1
SIO2	F 8.	2	21 - 28
TI02	F 8.	2	29 - 36
AL203	F 8.	2	37 - 44
FE203	F 8.	2	45 - 52
FEO	F 8.	2	53 - 60
MNO	F 8.	2	61 - 68
MGO	F 8.	2	69 - 76
CAO	F 8.	2	13 - 20
NA20	F 8.	2	21 - 28
K20	F 8.	2	29 - 36
P205	F 8.	2	37 - 44
S	F 8.	2	45 - 52
LOI	F 8.	2	53 - 60
BA	F 8.	2	61 - 68
CU	F 8.	2	69 - 76
PB	F 8.	2	13 - 20
ZN	F 8.	2	21 - 28
CD	F 8.	2	29 - 36
AG	F 8.	2	37 - 44
CR	F 8.	2	45 - 52
V	F 8.	2	53 - 60
CO	F 8.	2	61 - 68
NI	F 8.	2	69 - 76
MO	F 8.	2	13 - 20
RB	F 8.	2	21 - 28
SR	F 8.	2	29 - 36

ACCORDING TO YOUR INPUT FORMAT, VARIABLES ARE TO BE READ AS FOLLOWS

VARIABLE FORMAT RECORD COLUMNS

ZR	F 8. 2	4	37- 44
Y	F 8. 2	4	45- 52
ROCKCODE	F 2. 0	4	75- 76
GROUP	F 1. 0	4	77- 77
SEQ	F 3. 0	4	78- 80

THE INPUT FORMAT PROVIDES FOR 32 VARIABLES. 32 WILL BE READ
IT PROVIDES FOR 4 RECORDS ('CARDS') PER CASE. A MAXIMUM OF 80 'COLUMNS' ARE USED ON A RECORD.

RECODE SPEC (' '=0)
MISSING VALUES SIO2 TO Y (-.01)
VAR LABELS SPEC SPECIMEN ID
 GROUP DATA GROUP /
 SEQ SAMPLE SEQUENCE
VALUE LABELS SPEC ('F')FARO SAMPLE ('C')CONTROL SAMPLE ('O')FIELD SAMPLE/
 GROUP (1)1977 HAND SAMPLE (2)1979 WHOLE ROCK (3)SECTION 118/
ROCKCODE (1)1F (2)3C (3)3G (4)5C (5)5F (6)MCV (7)5CU (8)5CG
(9)STDMRG-1 (10)UNK (11)KSMB (12)KSE (13)5D (14)1C (15)3E
(16)3G-D (17)STD SY-2 (18)3D (19)3DW (20)3DV (21)5BD (22)5B
(23)5B3 (24)5A (25)ARGBS (26)FLSZB (27)ARGBK (28)SFV (29)ARGBD
(30)FLSZG (31)0E8 (32)1CD (33)0E7 (34)1C6 (35)1D4 (36)0E6
(37)0D8 (38)1C5 (39)0E (40)1D (41)STD SY-3 (42)2A (43)1D+1F
PRINT FORMATS SPEC (A) / SIO2 TO Y (2)
IF (FE0 NE -.01) FE203=FE203+(FE0*1.11134)
READ INPUT DATA

AFTER READING 374 CASES FROM SUBFILE GCHSS2 , END OF FILE WAS ENCOUNTERED ON LOGICAL UNIT # 8

TRANSPACE REQUIRED. 50 WORDS
2 TRANSFORMATIONS
2 RECODE VALUES + LAG VARIABLES
7 IF/COMPUTE OPERATIONS

FREQUENCIES GENERAL= SPEC GROUP ROCKCODE

GIVEN WORKSPACE ALLOWS FOR 1195 TOTAL VALUES AND 99 LABELED VALUES PER VARIABLE FOR 'FREQUENCIES'

FILE GCHSS2 (CREATION DATE = 01/09/80) NORMALIZED WITHOUT L.O.I. - 'S' EXCLUDED

SPEC SPECIMEN ID

CATEGORY LABEL	CODE	ABSOLUTE FREQ	RELATIVE FREQ (PCT)	ADJUSTED FREQ (PCT)	CUM FREQ (PCT)
CONTROL SAMPLE	C	19	5.1	5.1	5.1
FARD SAMPLE	F	197	52.7	52.7	57.8
FIELD SAMPLE	0	158	42.2	42.2	100.0
	TOTAL	374	100.0	100.0	

VALID CASES 374 MISSING CASES 0

FILE GCHSS2 (CREATION DATE = 01/09/80) NORMALIZED WITHOUT L.O.I. - 'S' EXCLUDED

GROUP DATA GROUP

CATEGORY LABEL	CODE	ABSOLUTE FREQ	RELATIVE FREQ (PCT)	ADJUSTED FREQ (PCT)	CUM FREQ (PCT)
1977 HAND SAMPLE	1.	55	14.7	14.7	14.7
1979 WHOLE ROCK	2.	112	29.9	29.9	44.7
SECTION 118	3.	207	55.3	55.3	100.0
	TOTAL	374	100.0	100.0	

VALID CASES 374 MISSING CASES 0

FILE GCHSS2 (CREATION DATE = 01/09/80) NORMALIZED WITHOUT L.O.I. - 'S' EXCLUDED

ROCKCODE

CATEGORY LABEL	CODE	ABSOLUTE FREQ	RELATIVE FREQ (PCT)	ADJUSTED FREQ (PCT)	CUM FREQ (PCT)
1F	1.	8	2.1	2.1	2.1
3C	2.	7	1.9	1.9	4.0
3G	3.	21	5.6	5.6	9.6
5C	4.	26	7.0	7.0	16.6
SF	5.	2	.5	.5	17.1
MCV	6.	29	7.8	7.8	24.9
5CU	7.	1	.3	.3	25.1
5CG	8.	1	.3	.3	25.4
STDMRG-1	9.	10	2.7	2.7	28.1
UNK	10.	1	.3	.3	28.3
KSMB	11.	6	1.6	1.6	29.9
KSE	12.	2	.5	.5	30.5
5D	13.	4	1.1	1.1	31.6
1C	14.	12	3.2	3.2	34.8
3E	15.	1	.3	.3	35.0
3G-D	16.	1	.3	.3	35.3
STD SY-2	17.	6	1.6	1.6	36.9
3D	18.	11	2.9	2.9	39.8
3DW	19.	3	.8	.8	40.6
3DV	20.	1	.3	.3	40.9
SBD	21.	1	.3	.3	41.2
5B	22.	10	2.7	2.7	43.9

FILE GCHSS2 (CREATION DATE = 01/09/80) NORMALIZED WITHOUT L.O.I. - 'S' EXCLUDED

SB3	23.	1	.3	.3	44.1
5A	24.	1	.3	.3	44.4
ARGBS	25.	5	1.3	1.3	45.7
FLS7B	26.	3	.8	.8	46.5
ARGBK	27.	5	1.3	1.3	47.9
SFV	28.	2	.5	.5	48.4
ARGBD	29.	2	.5	.5	48.9
FLS7G	30.	3	.8	.8	49.7
0E8	31.	11	2.9	2.9	52.7
1C0	32.	47	12.6	12.6	65.2
0E7	33.	2	.5	.5	65.8
1C6	34.	18	4.8	4.8	70.6
1D4	35.	30	8.0	8.0	78.6
0E6	36.	1	.3	.3	78.9
0D8	37.	1	.3	.3	79.1
1C5	38.	2	.5	.5	79.7
0E	39.	6	1.6	1.6	81.3
1D	40.	65	17.4	17.4	98.7
STD SY-3	41.	3	.8	.8	99.5
2A	42.	1	.3	.3	99.7
1D+1F	43.	1	.3	.3	100.0
	TOTAL	374	100.0	100.0	

VALID CASES 374 MISSING CASES 0

CONDESCRIPTIVE SI02 TO Y

***** GIVEN WORKSPACE ALLOWS FOR 275 VARIABLES FOR CONDESCRIPTIVE PROBLEM *****

STATISTICS ALL

FILE GCHSS2 (CREATION DATE = 01/09/80) NORMALIZED WITHOUT L.O.I. - 'S' EXCLUDED

VARIABLE SI02

MEAN	56.512	STD ERROR	.374	STD DEV	7.229
VARIANCE	52.256	KURTOSIS	1.073	SKEWNESS	-.054
RANGE	57.180	MINIMUM	31.380	MAXIMUM	88.560
SUM	21135.450				

VALID OBSERVATIONS - 374 MISSING OBSERVATIONS - 0

VARIABLE TI02

MEAN	1.010	STD ERROR	.048	STD DEV	.922
VARIANCE	.849	KURTOSIS	4.167	SKEWNESS	2.090
RANGE	4.940	MINIMUM	0.	MAXIMUM	4.940
SUM	377.920				

VALID OBSERVATIONS - 374 MISSING OBSERVATIONS - 0

VARIABLE AL203

MEAN	18.204	STD ERROR	.216	STD DEV	4.176
VARIANCE	17.436	KURTOSIS	.528	SKEWNESS	-.505
RANGE	29.910	MINIMUM	.860	MAXIMUM	30.770
SUM	6808.470				

VALID OBSERVATIONS - 374 MISSING OBSERVATIONS - 0

VARIABLE FE203

MEAN	10.184	STD ERROR	.161	STD DEV	3.120
VARIANCE	9.732	KURTOSIS	.890	SKEWNESS	.656
RANGE	21.012	MINIMUM	.880	MAXIMUM	21.892
SUM	3808.796				

VALID OBSERVATIONS - 374 MISSING OBSERVATIONS - 0

VARIABLE FEO

MEAN	7.822	STD ERROR	.320	STD DEV	2.536
VARIANCE	6.431	KURTOSIS	1.633	SKEWNESS	-.064
RANGE	14.900	MINIMUM	1.460	MAXIMUM	16.360
SUM	492.780				

VALID OBSERVATIONS - 63 MISSING OBSERVATIONS - 311

FILE GCHSS2 (CREATION DATE = 01/09/80) NORMALIZED WITHOUT L.O.I. - 'S' EXCLUDED

VARIABLE K20

MEAN	2.999	STD ERROR	.090	STD DEV	1.747
VARIANCE	3.051	KURTOSIS	-1.122	SKEWNESS	-.482
RANGE	6.720	MINIMUM	0.	MAXIMUM	6.720
SUM	1121.670				

VALID OBSERVATIONS - 374 MISSING OBSERVATIONS - 0

VARIABLE P205

MEAN	.212	STD ERROR	.007	STD DEV	.136
VARIANCE	.018	KURTOSIS	3.617	SKEWNESS	1.874
RANGE	.820	MINIMUM	.040	MAXIMUM	.860
SUM	79.150				

VALID OBSERVATIONS - 374 MISSING OBSERVATIONS - 0

VARIABLE S

MEAN	.510	STD ERROR	.058	STD DEV	.943
VARIANCE	.889	KURTOSIS	25.687	SKEWNESS	4.568
RANGE	7.580	MINIMUM	.010	MAXIMUM	7.590
SUM	133.500				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE LOI

MEAN	0.	STD ERROR	0.	STD DEV	0.
VARIANCE	0.	KURTOSIS	0.	SKEWNESS	0.
RANGE	0.	MINIMUM	0.	MAXIMUM	0.
SUM	0.				

VALID OBSERVATIONS - 374 MISSING OBSERVATIONS - 0

FILE GCHSS2 (CREATION DATE = 01/09/80) NORMALIZED WITHOUT L.O.I. - 'S' EXCLUDED

VARIABLE BA

MEAN	1408.042	STD ERROR	350.775	STD DEV	5677.788
VARIANCE	*****	KURTOSIS	242.352	SKEWNESS	15.332
RANGE	91130.000	MINIMUM	70.000	MAXIMUM	91200.000
SUM	368907.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE CU

MEAN	110.176	STD ERROR	15.718	STD DEV	254.417
VARIANCE	64727.792	KURTOSIS	79.958	SKEWNESS	7.891
RANGE	3096.000	MINIMUM	4.000	MAXIMUM	3100.000
SUM	28866.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE PB

MEAN	116.298	STD ERROR	52.068	STD DEV	842.801
VARIANCE	710313.520	KURTOSIS	232.055	SKEWNESS	14.902
RANGE	13298.000	MINIMUM	2.000	MAXIMUM	13300.000
SUM	30470.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE ZN

MEAN	225.412	STD ERROR	60.056	STD DEV	972.088
VARIANCE	944954.220	KURTOSIS	94.064	SKEWNESS	9.455
RANGE	11480.000	MINIMUM	20.000	MAXIMUM	11500.000
SUM	59058.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

FILE GCHSS2 (CREATION DATE = 01/09/80) NORMALIZED WITHOUT L.O.I. - 'S' EXCLUDED

VARIABLE CD

MEAN	.274	STD ERROR	.082	STD DEV	1.320
VARIANCE	1.743	KURTOSIS	58.365	SKEWNESS	7.205
RANGE	13.500	MINIMUM	0.	MAXIMUM	13.500
SUM	71.800				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE AG

MEAN	.365	STD ERROR	.054	STD DEV	.877
VARIANCE	.770	KURTOSIS	20.312	SKEWNESS	4.381
RANGE	6.000	MINIMUM	0.	MAXIMUM	6.000
SUM	95.600				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE CR

MEAN	136.088	STD ERROR	9.174	STD DEV	148.489
VARIANCE	22048.854	KURTOSIS	22.654	SKEWNESS	4.297
RANGE	1195.000	MINIMUM	5.000	MAXIMUM	1200.000
SUM	35655.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE V

MEAN	132.340	STD ERROR	5.329	STD DEV	86.256
VARIANCE	7440.103	KURTOSIS	20.631	SKEWNESS	3.947
RANGE	752.000	MINIMUM	48.000	MAXIMUM	800.000
SUM	34673.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

FILE GCHSS2 (CREATION DATE = 01/09/80) NORMALIZED WITHOUT L.O.I. - 'S' EXCLUDED

VARIABLE CO

MEAN	35.950	STD ERROR	.876	STD DEV	14.182
VARIANCE	201.143	KURTOSIS	6.485	SKEWNESS	2.094
RANGE	104.000	MINIMUM	16.000	MAXIMUM	120.000
SUM	9419.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE NI

MEAN	57.531	STD ERROR	5.032	STD DEV	81.456
VARIANCE	6635.116	KURTOSIS	45.355	SKEWNESS	5.993
RANGE	790.000	MINIMUM	0.	MAXIMUM	790.000
SUM	15073.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE MO

MEAN	3.832	STD ERROR	.083	STD DEV	1.343
VARIANCE	1.803	KURTOSIS	28.767	SKEWNESS	4.032
RANGE	14.000	MINIMUM	2.000	MAXIMUM	16.000
SUM	1004.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE RB

MEAN	132.179	STD ERROR	3.744	STD DEV	60.594
VARIANCE	3671.673	KURTOSIS	.140	SKEWNESS	-1.007
RANGE	271.000	MINIMUM	0.	MAXIMUM	271.000
SUM	34631.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

FILE GCHSS2 (CREATION DATE = 01/09/80) NORMALIZED WITHOUT L.O.I. - 'S' EXCLUDED

VARIABLE SR

MEAN	136.221	STD ERROR	13.559	STD DEV	219.466
VARIANCE	48165.360	KURTOSIS	112.006	SKEWNESS	9.050
RANGE	2987.000	MINIMUM	13.000	MAXIMUM	3000.000
SUM	35690.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE ZR

MEAN	151.250	STD ERROR	7.772	STD DEV	79.257
VARIANCE	6281.684	KURTOSIS	2.474	SKEWNESS	1.340
RANGE	437.000	MINIMUM	5.000	MAXIMUM	442.000
SUM	15730.000				

VALID OBSERVATIONS - 104 MISSING OBSERVATIONS - 270

VARIABLE Y

MEAN	20.173	STD ERROR	7.182	STD DEV	73.245
VARIANCE	5364.805	KURTOSIS	86.802	SKEWNESS	9.008
RANGE	728.000	MINIMUM	0.	MAXIMUM	728.000
SUM	2098.000				

VALID OBSERVATIONS - 104 MISSING OBSERVATIONS - 270

SAVE FILE

FILE GCHSS2 HAS BEEN SAVED WITH 35 VARIABLES..

SEQNUM	SUBFILE	CASWGT	SPEC	S102	T102	AL203	FE203	FEO	MNO
MGO	CAO	NA20	K20	P205	S	LOI	BA	CU	PB
ZN	CD	AG	CR	V	CO	NI	MO	RB	SR
ZR	Y	ROCKCODE	GROUP	SEQ					

THE SUBFILES ARE..

NAME	NO OF CASES
GCHSS2	374

FINISH

NORMAL END OF JOB.
 29 CONTROL CARDS WERE PROCESSED.
 0 ERRORS WERE DETECTED.