

Gecarcinus lateralis

62-GL1145
ARTICULATION OF PALM & TIP

63-GL1146
ARTICULATION OF PALM & TIP

65-GL1264
CLAW PALM

64-GL1263
CLAW PALM

43-GL1121
CLAW TIP

44-GL1122
CLAW TIP

52-GL1123
CLAW TIP

56-GL1124
CLAW TIP

57-GL1125
CLAW TIP

45-GL1141
ARTICULATION OF PALM & TIP

58-GL1142
ARTICULATION OF PALM & TIP

59-GL 1143.
ARTICULATION OF PALM & TIP

60-GL1144
ARTICULATION OF PALM & TIP

46-GL1151
CLAW PALM

47-GL1152
CLAW PALM

48-GL1161
CLAW PALM

61-GL1162
CLAW PALM

65-GL1221
CLAW TIP

66-GL1222
CLAW TIP

67-GL1223
CLAW TIP

68-GL1224
CLAW TIP

69-GL1241
ARTICULATION OF PALM & TIP

70-GL1242
ARTICULATION OF PALM & TIP

71-GL1261
CLAW PALM

72-GL1262
CLAW PALM

91-GL1311
SHELL

QFILE 2H/80

QFILE:

File No. P62

Drive No. ?2

File Label: GL1145

Data Saved From Program: BA

Normalize Data Y/N?Y

No. of Elements: 8

No. of Points: 10

GECAECINUS LATERALIS

Specimen #1

Larger Claw

Run 5

Articulation of Tips $\frac{1}{2}$ Palm

ELEMENT	LINE	ELEMENT	LINE
CAO	—	MGO	—
NA2O	—	AL2O3	—
P2O5	—	K2O	—
SiO2	—	CO2	—

QFILE:

SELECT:P

STARTING PT. (DEFAULT=1) ?

ENDING PT. (DEFAULT= 10) ?

FILE LABEL: GL1145

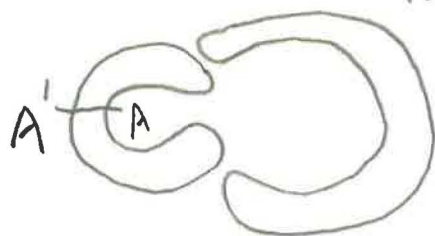
STOICH.% DATA FOR POINTS 1 TO 10

POINT	MICRONS	CAO	MGO	NA2O	AL2O3	P2O5	K2O	SiO2	CO2	TOTAL
1	0.0	50.68	1.79	0.00	0.00	5.81	0.00	0.00	41.72	100.00
2	87.7	49.72	3.77	0.51	0.20	2.39	0.00	0.31	43.10	100.00
3	175.5	50.41	3.32	0.77	0.00	2.18	0.18	0.00	43.14	100.00
4	263.2	50.27	3.58	0.49	0.00	2.28	0.00	0.00	43.38	100.00
5	350.9	49.09	4.08	0.38	0.00	3.23	0.00	0.21	43.01	100.00
6	438.6	50.40	2.58	0.00	0.00	4.62	0.00	0.00	42.40	100.00
7	526.4	50.23	2.49	0.00	0.18	4.98	0.00	0.00	42.12	100.00
8	614.1	49.14	2.45	0.00	0.17	7.00	0.00	0.00	41.25	100.01
9	701.8	49.12	2.39	0.00	0.27	7.06	0.00	0.00	41.16	100.00
10	789.6	50.34	4.10	0.95	0.45	0.00	0.00	0.15	44.01	100.00

SELECT:E

GL1145

62
10pts
110mg



QFILE:

DATE? 10-13-87

SAMPLE #? 62

LABEL? GL1145

ELEMENTS INCLUDE:

CAO MGO NA2O

AL2O3 P2O5 K2O

SI02 CO2

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P2O5

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 10)?

CONNECT POINTS? (DEFAULT=YES)

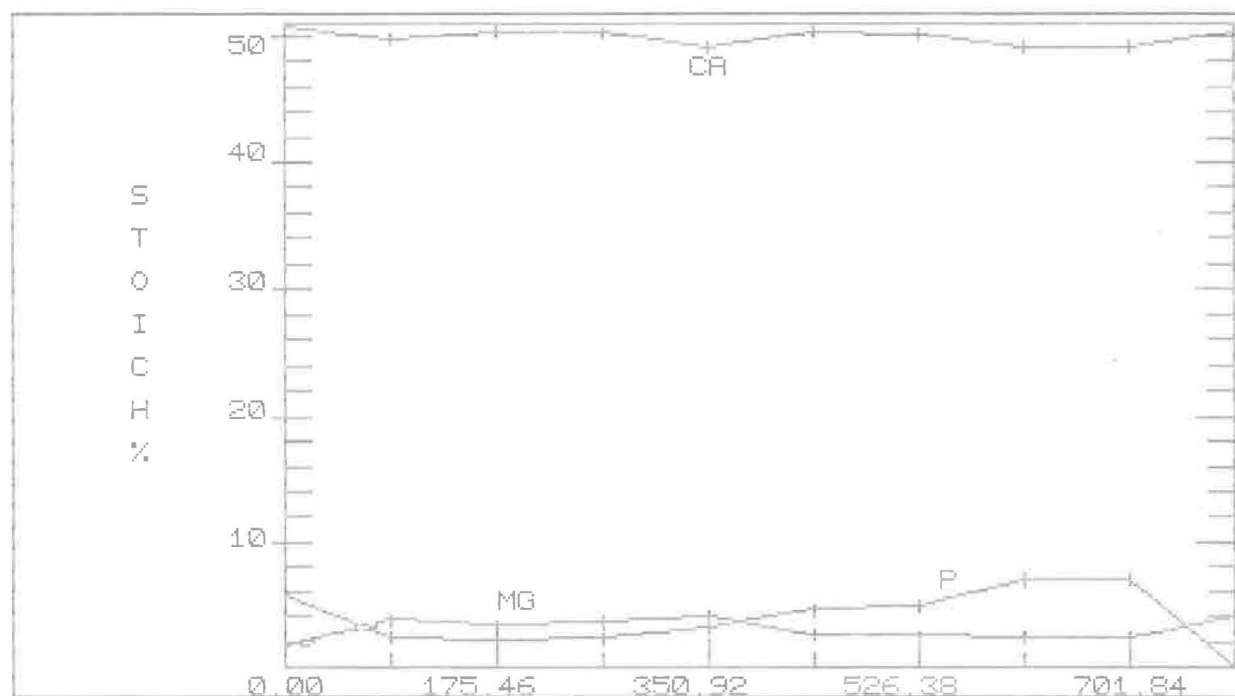
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?51

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

TUE 13-OCT-87 11:36



DISTANCE IN MICRONS *1E 0

DATE: 10-13-87 SAMPLE #: 62

LABEL: GL1145

ELEMENTS SORTED BY ST % AT

0.000 MICRONS

CAO P2O5 MGO

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No. 263
 Drive No. 72
 File Label: GL1146
 Data Saved From Program: BA
 Normalize Data Y/N? Y
 No. of Elements: 8
 No. of Points: 10

GECARLINUS LATERALIS

Specimen # 1

Larger claw Articulation of Tips $\frac{1}{2}$ Palm

Run 6

ELEMENT	LINE	ELEMENT	LINE
CAO	—	MGO	—
NA2O	—	AL2O3	—
P2O5	—	K2O	—
SiO2	—	CO2	—

QFILE:

SELECT:P
 STARTING PT. (DEFAULT=1) ?
 ENDING PT. (DEFAULT= 10) ?

FILE LABEL: GL1146
 STOICH.% DATA FOR POINTS 1 TO 10

POINT	MICRONS	CAO	MGO	NA2O	AL2O3	P2O5	K2O	SiO2	CO2	TOTAL
1	0.0	49.74	3.64	0.69	0.20	2.52	0.00	0.22	43.00	100.01
2	85.7	50.81	3.22	0.87	0.00	1.73	0.00	0.00	43.37	100.00
3	171.4	48.33	4.85	1.49	0.32	1.79	0.00	0.00	43.22	100.00
4	257.1	48.86	4.49	0.84	0.13	2.44	0.00	0.00	43.24	100.00
5	342.8	48.59	4.74	0.94	0.00	2.42	0.00	0.00	43.32	100.01
6	428.5	48.37	3.45	0.21	0.00	5.99	0.15	0.09	41.73	99.99
7	514.2	45.47	4.46	1.07	0.13	8.08	0.00	0.24	40.55	100.00
8	599.9	47.25	3.11	0.50	0.00	8.47	0.18	0.00	40.48	99.99
9	685.6	49.18	3.74	0.81	0.00	3.59	0.00	0.00	42.68	100.00
10	771.3	50.76	3.55	0.99	0.18	0.80	0.00	0.00	43.72	100.00

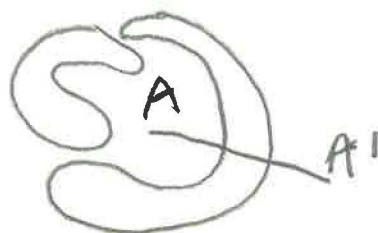
SELECT:E

GL 1146

63

10pts.

110 mg



QFILE:

DATE? 10-13-87

SAMPLE #? 63

LABEL? GL1146

ELEMENTS INCLUDE:

CAO MGO NA2O

AL2O3 P2O5 K2O

SI02 CO2

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P2O5

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 10)?

CONNECT POINTS? (DEFAULT=YES)

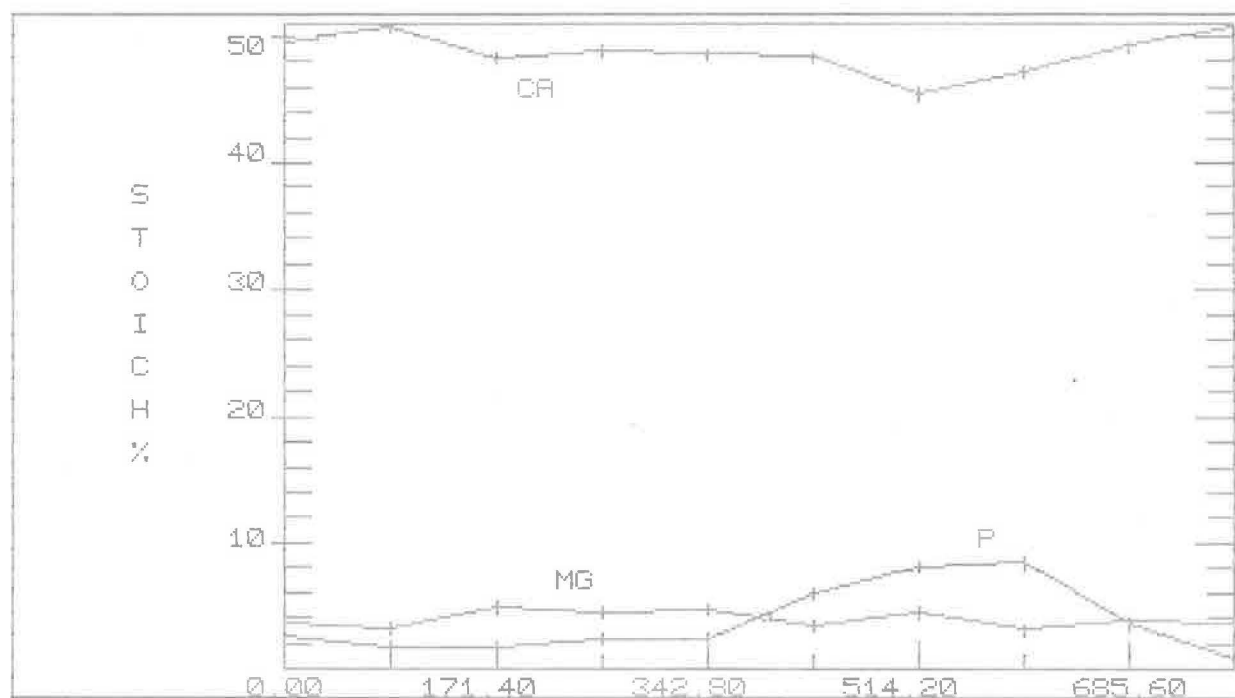
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?51

Y-AXIS MIN (DEFAULT= 0)?

LIC: GEOLOGICAL SCIENCES

TUE 13-OCT-87 11:39



DISTANCE IN MICRONS *1E 0

DATE: 10-13-87 SAMPLE #: 63

LABEL: GL1146

ELEMENTS SORTED BY ST % AT

0.000 MICRONS

CAO

MGO

P2O5

NEW PLOT USING SAME DATA FILE? N

ELEMENT	LINE	ELEMENT	LINE
CAO	—	MGO	—
NA2O	—	AL2O3	—
P2O5	—	K2O	—
SI O2	—	CO2	—

File# 65
GL 1264
34

QFILE:

GECARCINUS LATERALIS

SELECT:P
STARTING PT. (DEFAULT=1) ?
ENDING PT. (DEFAULT= 10) ?

Specimen # 1
Smaller Claw Palm
Run 4

Normalized Y
8 E/s
10 Pts

FILE LABEL: GL1264
STOICH.% DATA FOR POINTS 1 TO 10

POINT	MICRONS	CAO	MGO	NA2O	AL2O3	P2O5	K2O	SI O2	CO2	TOTAL
1	0.0	22.97	0.00	29.73	7.09	14.53	7.77	0.00	17.91	100.00
2	51.6	49.43	3.60	1.04	0.12	3.08	0.00	0.00	42.73	100.00
3	103.2	49.52	3.88	1.50	0.00	2.02	0.00	0.00	43.09	100.01
4	154.7	48.25	4.83	1.34	0.28	2.03	0.12	0.00	43.15	100.00
5	206.3	46.85	5.92	1.33	0.30	2.38	0.00	0.00	43.23	100.01
6	257.9	46.42	5.90	1.43	0.11	2.98	0.07	0.22	42.86	99.99
7	309.5	47.43	3.91	0.61	0.15	6.17	0.11	0.14	41.49	100.01
8	361.1	48.58	3.44	0.72	0.00	5.20	0.00	0.19	41.87	100.00
9	412.6	49.48	3.36	0.70	0.00	3.95	0.00	0.00	42.51	100.00
10	464.2	50.51	3.85	0.73	0.31	0.77	0.00	0.00	43.83	100.00

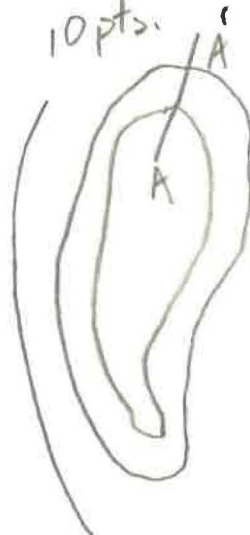
SELECT:E

GL1264 65

1st. pt. Bad

10pts.

100 mg.



QFILE:

DATE? 10-13-87

SAMPLE #? 65

LABEL? GL1264

ELEMENTS INCLUDE:

CAO MGO NA2O

AL2O3 P2O5 K2O

SiO2 CO2

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P2O5

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 10)?

CONNECT POINTS? (DEFAULT=YES)

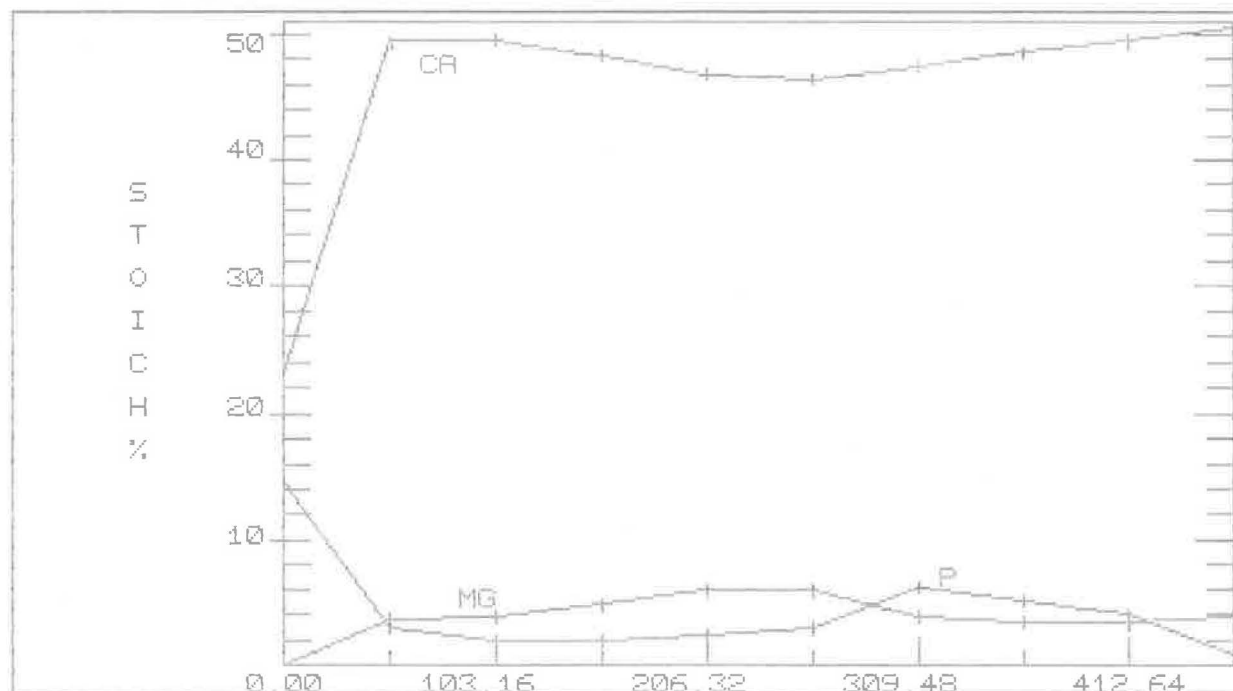
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?51

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

TUE 13-OCT-87 11:46



DISTANCE IN MICRONS *1E 0

DATE: 10-13-87 SAMPLE #: 65

LABEL: GL1264

ELEMENTS SORTED BY ST % AT 0.000 MICRONS
CAO P2O5 MGO

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No. 264
 Drive No. 22
 File Label: GL1263
 Data Saved From Program: BA
 Normalize Data Y/N? Y
 No. of Elements: 8
 No. of Points: 10

~~GBSA~~

GECARCINUS LATERALIS

Specimen #1
 Smaller Claw Palm
 Run 3

ELEMENT	LINE	ELEMENT	LINE
CAO	—	MGO	—
NA2O	—	AL2O3	—
P2O5	—	K2O	—
SiO2	—	CO2	—

QFILE:

SELECT:P
 STARTING PT. (DEFAULT=1) ?
 ENDING PT. (DEFAULT= 10) ?

FILE LABEL: GL1263
 STOICH.% DATA FOR POINTS 1 TO 10

POINT	MICRONS	CAO	MGO	NA2O	AL2O3	P2O5	K2O	SiO2	CO2	TOTAL
1	0.0	48.43	4.36	1.09	0.20	2.88	0.00	0.29	42.76	100.01
2	66.0	49.35	3.87	0.82	0.20	2.72	0.07	0.00	42.96	99.99
3	132.0	50.09	3.50	0.93	0.16	2.19	0.00	0.00	43.12	99.99
4	198.1	48.34	4.73	1.16	0.23	2.34	0.00	0.09	43.11	100.00
5	264.1	48.19	5.10	1.05	0.00	2.25	0.00	0.00	43.39	99.98
6	330.1	48.03	4.60	1.28	0.17	3.06	0.15	0.00	42.71	100.00
7	396.1	47.86	4.17	0.62	0.25	4.76	0.09	0.12	42.13	100.00
8	462.1	48.27	3.62	0.82	0.00	5.23	0.09	0.14	41.83	100.00
9	528.2	48.98	3.13	0.25	0.10	5.34	0.19	0.13	41.87	99.99
10	594.2	26.96	0.65	6.22	42.09	0.91	1.04	0.29	21.84	100.00

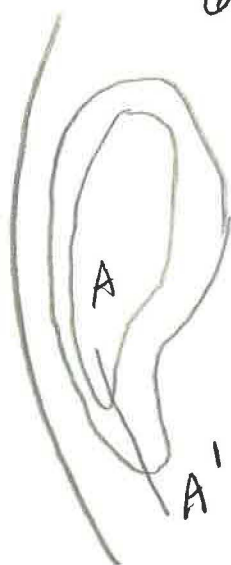
SELECT:E

64

GL 1263

10 pts.

100 mg.



QFILE:

DATE? 10-13-87

SAMPLE #? 64

LABEL? GL1263

ELEMENTS INCLUDE:

CAO MGO NA2O

AL2O3 P2O5 K2O

SI02 CO2

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P2O5

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 10)?

CONNECT POINTS? (DEFAULT=YES)

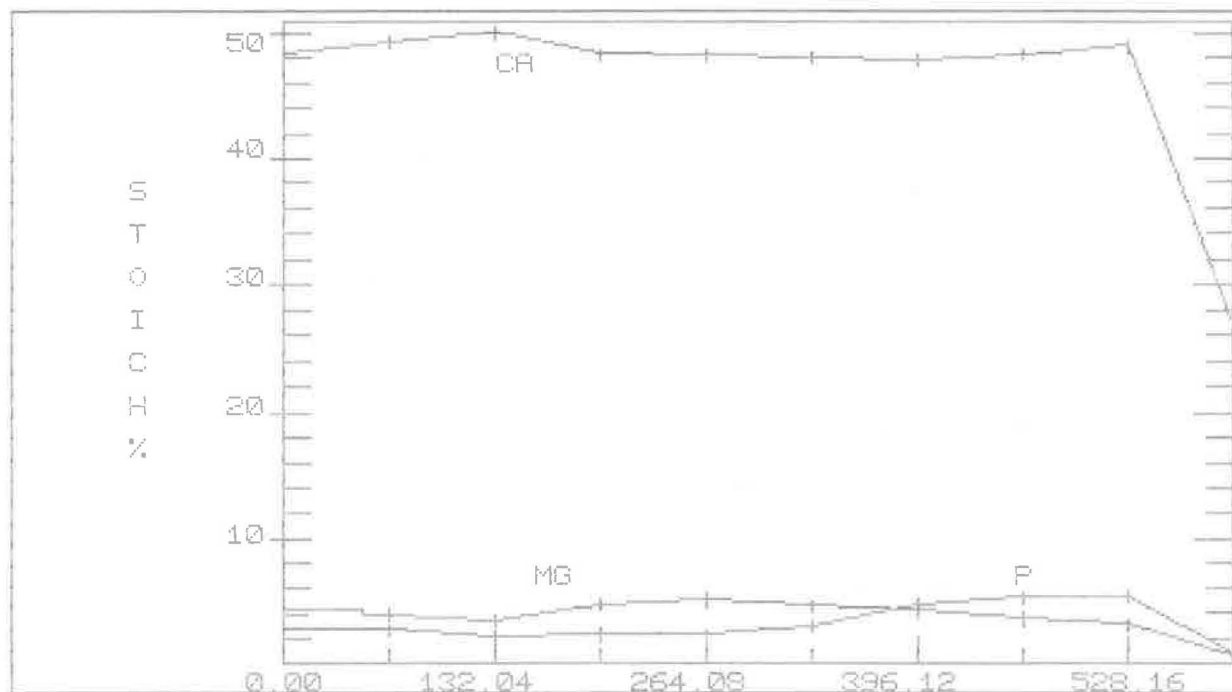
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?51

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

TUE 13-OCT-87 11:42



DISTANCE IN MICRONS *1E 0

DATE: 10-13-87 SAMPLE #: 64

LABEL: GL1263

ELEMENTS SORTED BY ST % AT
CAO MGO P2O5

0.000 MICRONS

NEW PLOT USING SAME DATA FILE? N

~~QFILE:~~

~~FILE NO. 265~~

~~DATE 10-13-87~~

~~FILE LABEL: GL1263~~

~~DATA SAVED FROM PROGRAM: PA~~

~~NORMALIZE DATA Y/N? Y~~

~~NO. OF ELEMENTS: 3~~

~~NO. OF POINTS: 10~~

QFILE:
 File No. 243
 Drive No. 22
 File Label: GL1121
 Data Saved From Program: ZAF
 Normalize Data Y/N? Y

GEARCINUS LATERALIS

Specimen # 1
 Larger Claw Tips
 Run 1

SELECT RESULTS MODE:
 ELEMENTAL
 ATOMIC
 STOICHIOMETRIC E
 No. of Elements: 12
 No. of Points: 10

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

SELECT: P
 STARTING PT. (DEFAULT=1) ?
 ENDING PT. (DEFAULT= 10) ?

FILE LABEL: GL1121
 WEIGHT% DATA FOR POINTS 1 TO 10

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.07	0.00	0.14	0.10	1.15	30.24	0.41	0.00	0.00	0.00	1.31	66.58	100.00
2	139.0	0.00	0.00	0.21	0.00	1.40	32.16	0.45	0.00	0.13	0.00	1.06	64.59	100.00
3	278.0	0.04	0.00	0.16	0.11	1.20	30.51	0.20	0.00	0.00	0.00	1.18	66.60	100.00
4	417.0	0.09	0.00	0.18	0.00	1.40	31.71	0.36	0.00	0.00	0.08	1.96	64.22	100.00
5	556.0	0.12	0.00	0.32	0.00	3.05	36.36	0.66	0.00	0.08	0.00	1.98	57.42	99.99
6	695.0	0.05	0.00	0.19	0.00	2.60	37.32	1.11	0.00	0.00	0.00	0.67	58.06	100.00
7	833.9	0.06	0.00	0.24	0.00	3.67	37.76	1.47	0.00	0.00	0.00	0.23	56.57	100.00
8	972.9	0.08	0.00	0.19	0.00	3.39	38.47	1.00	0.00	0.00	0.00	0.00	56.87	100.00
9	1111.9	0.06	0.00	0.27	0.00	3.64	38.32	1.24	0.00	0.00	0.00	0.12	56.35	100.00
10	1250.9	0.11	0.00	0.24	0.00	3.51	38.57	1.10	0.00	0.00	0.12	0.00	56.35	100.00

SELECT: E

Sam location as
 GL 1123

QFILE:

DATE? 11-12-86

SAMPLE #? GL1121

LABEL?

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MG0 CA0 P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 10)?

CONNECT POINTS? (DEFAULT=YES)

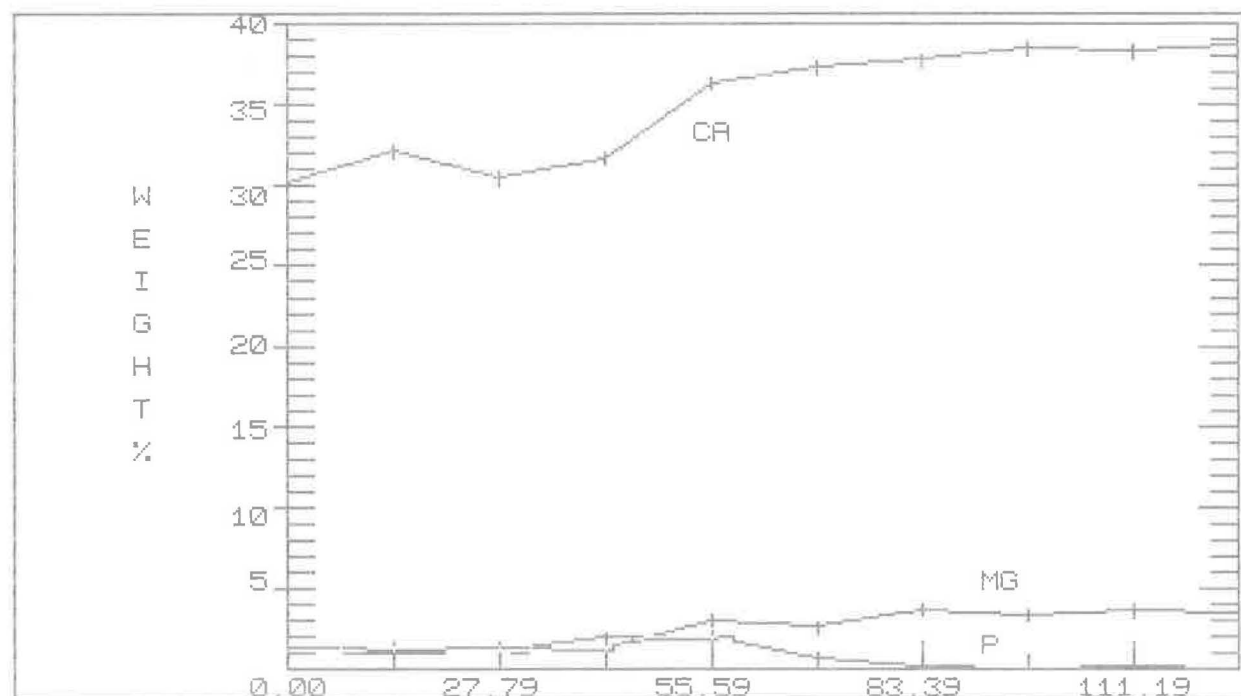
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

SAT 22-NOV-86 14:10



D I S T A N C E I N M I C R O N S * 1 E 1

DATE: 11-12-86 SAMPLE #: GL1121 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
CA MG P

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No.?44
 Drive No.?2
 File Label: GL1122
 Data Saved From Program: ZAF
 Normalize Data Y/N?Y

GECARCINUS LATERALIS
 Specimen # 1
 Larger Claw Tips
 Run 2

SELECT RESULTS MODE:
 ELEMENTAL
 ATOMIC
 STOICHIOMETRIC E
 No. of Elements: 12
 No. of Points: 10

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

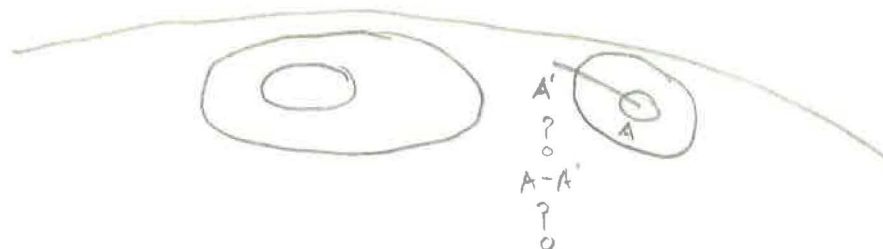
SELECT:P
 STARTING PT. (DEFAULT=1) ?
 ENDING PT. (DEFAULT= 10) ?

FILE LABEL: GL1122
 WEIGHT% DATA FOR POINTS 1 TO 10

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.03	0.00	0.50	0.00	1.40	28.34	0.35	0.00	0.00	0.00	1.35	68.03	100.00
2	97.1	0.04	0.00	0.10	0.00	0.46	27.22	0.06	0.00	0.00	0.00	0.88	71.24	100.00
3	194.3	0.03	0.05	0.24	0.12	0.75	30.67	0.20	0.00	0.00	0.00	1.24	66.69	99.99
4	291.4	0.00	0.00	0.13	0.16	0.81	31.89	0.14	0.00	0.09	0.00	1.35	65.43	100.00
5	388.5	0.06	0.00	0.27	0.00	0.76	30.79	0.21	0.00	0.00	0.07	1.54	66.30	100.00
6	485.6	0.00	0.00	0.37	0.00	2.19	37.20	0.72	0.00	0.00	0.00	1.67	57.85	100.00
7	582.8	0.07	0.00	0.28	0.00	2.38	37.75	0.91	0.00	0.00	0.00	1.18	57.43	100.00
8	679.9	0.03	0.00	0.14	0.00	3.38	37.92	1.28	0.00	0.00	0.00	0.15	57.10	100.00
9	777.0	0.07	0.00	0.18	0.00	3.32	38.88	1.10	0.00	0.00	0.10	0.20	56.15	100.00
10	874.2	0.07	0.00	0.18	0.00	3.32	38.87	1.10	0.00	0.00	0.10	0.20	56.16	100.00

SELECT:E

GL 1122



QFILE:

DATE? 11-121\1-86

SAMPLE #? GL1122

LABEL?

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 10)?

CONNECT POINTS? (DEFAULT=YES)

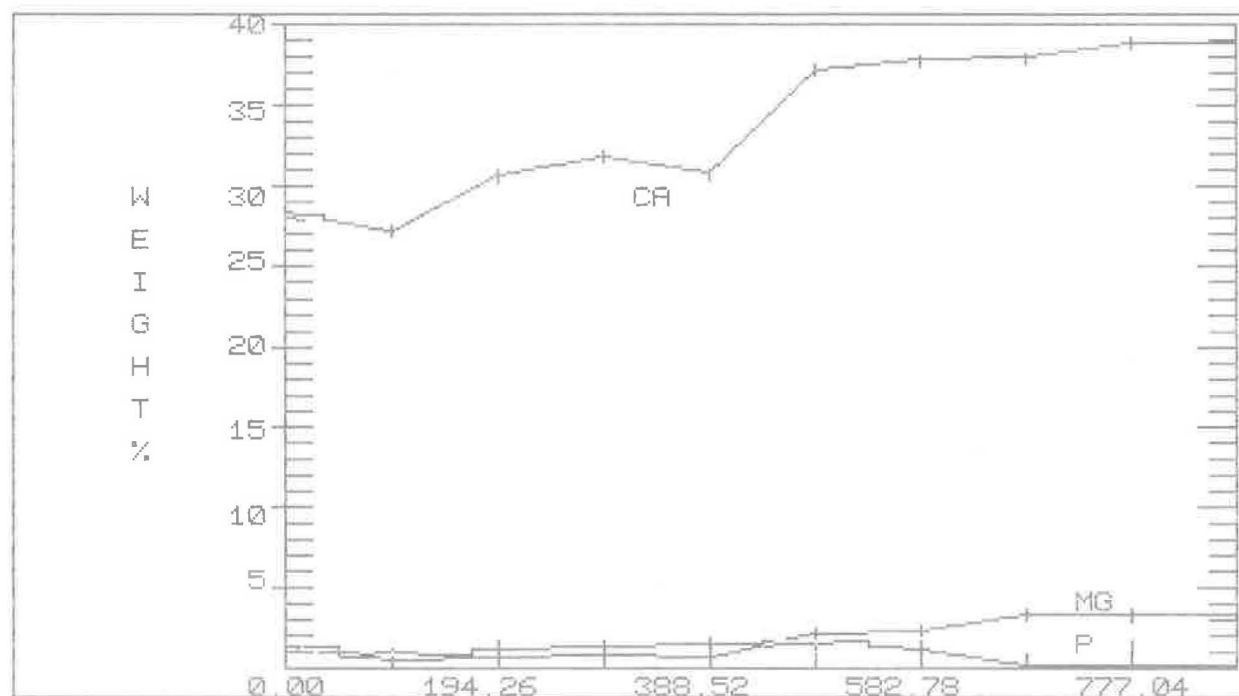
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

SAT 22-NOV-86 14:14



DISTANCE IN MICRONS *1E 0

DATE: 11-12-86 SAMPLE #: GL1122 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
CA MG P

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No. 252
 Drive No. 22
 File Label: GL1123
 Data Saved From Program: ZAF
 Normalize Data Y/N? Y

GECARCINUS LATERALIS
 Specimen #1
 Larger Claw Tips
 Run 3

SELECT RESULTS MODE:
 ELEMENTAL
 ATOMIC
 STOICHIOMETRIC E
 No. of Elements: 12
 No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

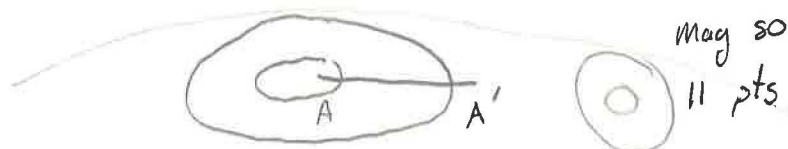
SELECT:P
 STARTING PT. (DEFAULT=1) ?
 ENDING PT. (DEFAULT= 11) ?

FILE LABEL: GL1123
 WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.00	0.00	0.00	0.00	1.74	19.61	0.22	0.07	0.00	0.00	1.59	76.77	100.00
2	130.1	0.06	0.00	0.00	0.10	1.62	23.47	0.19	0.06	0.00	0.00	1.30	73.20	100.00
3	260.2	0.07	0.10	0.00	0.00	1.33	25.38	0.30	0.00	0.00	0.00	1.40	71.42	100.00
4	390.2	0.00	0.00	0.07	0.00	1.69	26.53	0.46	0.00	0.00	0.14	2.18	68.93	100.00
5	520.3	0.00	0.00	0.00	0.00	1.55	29.39	0.29	0.00	0.00	0.00	2.18	66.59	100.00
6	650.4	0.00	0.00	0.00	0.10	2.23	33.46	0.91	0.00	0.00	0.09	1.17	62.04	100.00
7	780.5	0.10	0.00	0.00	0.14	2.84	34.20	0.76	0.00	0.00	0.00	0.44	61.51	99.99
8	910.6	0.06	0.00	0.00	0.10	3.04	34.28	0.91	0.00	0.00	0.13	0.07	61.41	100.00
9	1040.6	0.06	0.00	0.00	0.00	3.18	34.30	0.75	0.00	0.00	0.00	0.08	61.63	100.00
10	1170.7	0.05	0.00	0.00	0.00	3.40	33.93	0.75	0.00	0.00	0.00	0.00	61.87	100.00
11	1300.8	0.05	0.00	0.00	0.00	3.40	33.93	0.75	0.00	0.00	0.00	0.00	61.87	100.00

SELECT:E

GL1123



QFILE:

DATE? 11-19-86

SAMPLE #?

LABEL? GL1123

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

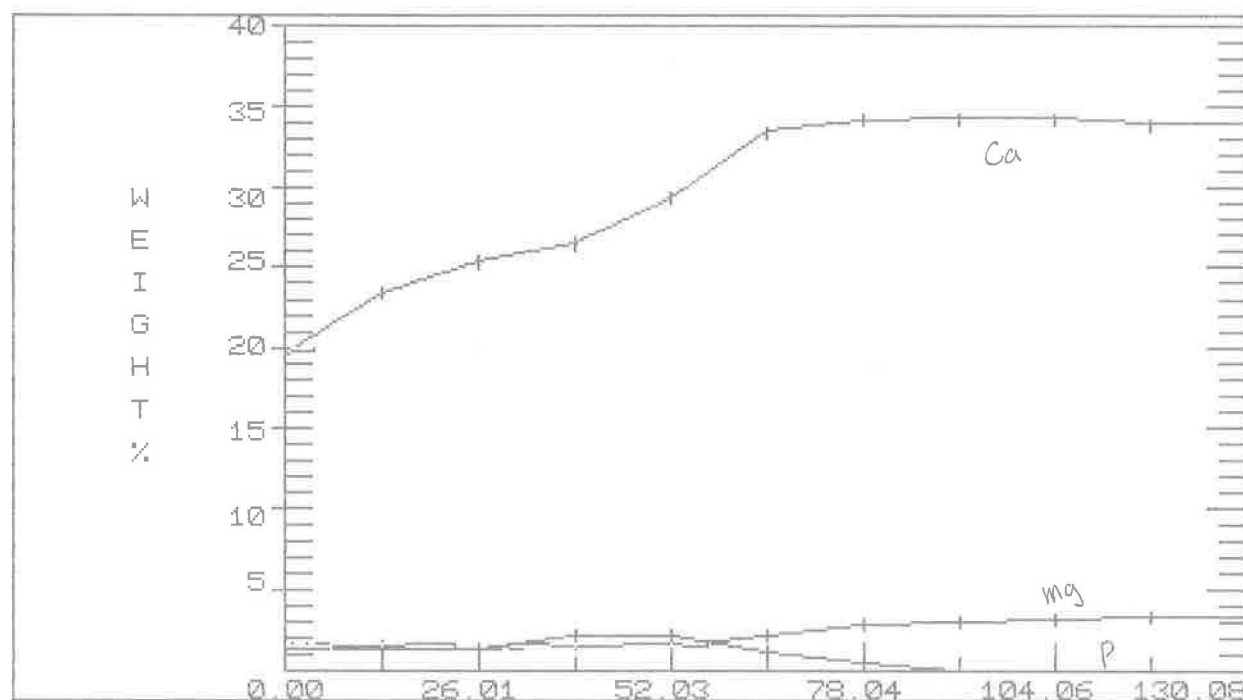
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

WED 19-NOV-86 10:34



DISTANCE IN MICRONS *1E 1

DATE: 11-19-86 SAMPLE #:

LABEL: GL1123

ELEMENTS SORTED BY WT % AT 0.000 MICRONS

CA MG P

NEW PLOT USING SAME DATA FILE? N

QFILE:

QFILE:
 File No. 256
 Drive No. 22
 File Label: GL1124
 Data Saved From Program: ZAF
 Normalize Data Y/N? Y

GECARCINUS LATERALIS

Specimen # 1

Larger Claw Tips

Run 4

SELECT RESULTS MODE:

ELEMENTAL

ATOMIC

STOICHIOMETRIC E

No. of Elements: 12

No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

SELECT:P

STARTING PT. (DEFAULT=1) ?

ENDING PT. (DEFAULT= 11) ?

FILE LABEL: GL1124

WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.04	0.00	0.10	0.00	2.30	21.69	0.98	0.00	0.00	0.12	0.79	73.98	100.00
2	31.6	0.00	0.00	0.10	0.00	1.86	28.02	0.72	0.00	0.00	0.13	0.57	68.60	100.00
3	63.2	0.06	0.00	0.09	0.00	2.35	28.09	0.93	0.00	0.00	0.00	0.67	67.81	100.00
4	94.8	0.04	0.00	0.13	0.00	2.23	28.71	0.94	0.00	0.00	0.12	0.64	67.19	100.00
5	126.4	0.04	0.00	0.12	0.00	2.48	28.15	1.02	0.00	0.13	0.00	0.74	67.32	100.00
6	157.9	0.00	0.00	0.12	0.12	2.85	27.60	0.98	0.00	0.08	0.00	0.86	67.39	100.00
7	189.5	0.00	0.00	0.00	0.11	0.23	19.52	0.06	0.00	0.00	0.00	0.63	79.45	100.00
8	221.1	0.05	0.00	0.03	0.00	1.35	24.99	0.36	0.00	0.00	0.00	1.63	71.59	100.00
9	252.7	0.06	0.00	0.07	0.14	0.96	22.90	0.27	0.00	0.00	0.00	1.60	74.00	100.00
10	284.3	0.13	0.00	0.06	0.10	1.94	27.55	0.82	0.00	0.00	0.00	1.39	68.00	99.99
11	315.9	0.05	0.00	0.05	0.00	2.02	32.63	0.98	0.00	0.00	0.00	0.12	64.15	100.00

SELECT:E

GL 1124



320 mg
 11 pts.

QFILE:

DATE? 11-21-86

SAMPLE #? GL1124

LABEL?

ELEMENTS INCLUDE:

SI	TI	AL
FE	MG	CA
NA	K	MN
CR	P	O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MG0 CA0 P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

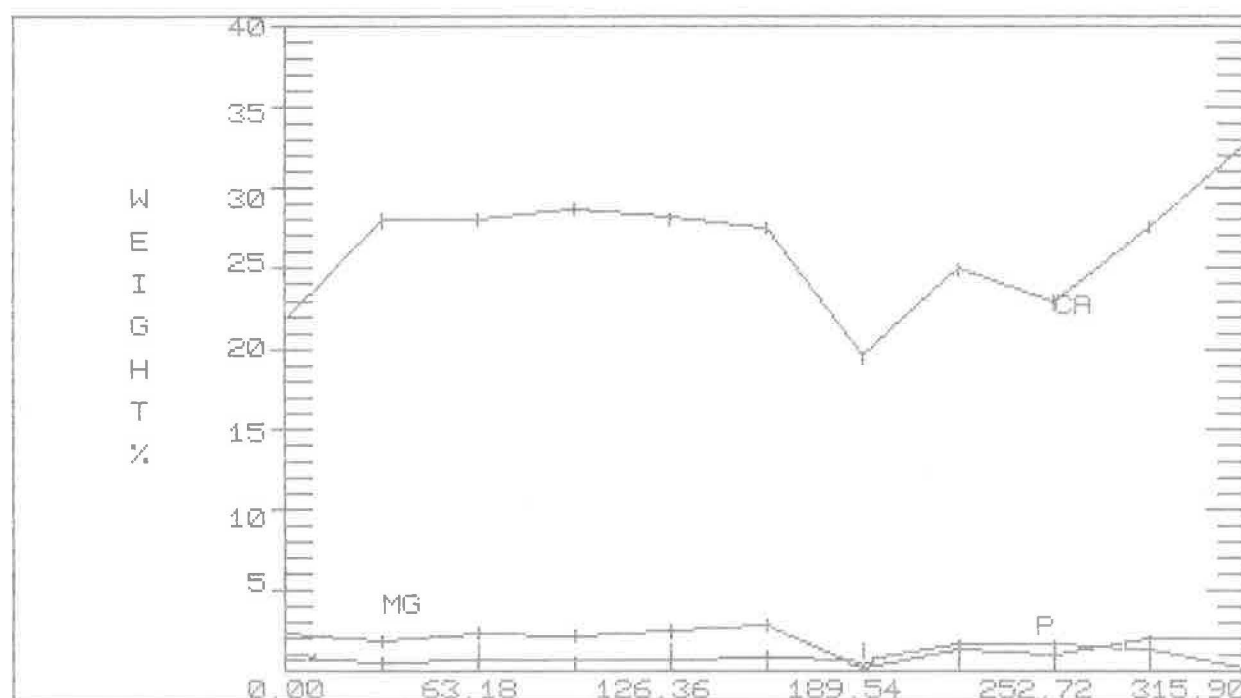
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

SAT 22-NOV-86 13:47



DISTANCE IN MICRONS *1E 0

DATE: 11-21-86 SAMPLE #: GL1124 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
CA MG P

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No. 257
 Drive No. 22
 File Label: GL1125
 Data Saved From Program: ZAF
 Normalize Data Y/N? Y

GEARCIN US LATERALS

Specimen # 1

Larger Claw Tips

Run 5

SELECT RESULTS MODE:

ELEMENTAL

ATOMIC

STOICHIOMETRIC E

No. of Elements: 12

No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

SELECT:P

STARTING PT. (DEFAULT=1) ?

ENDING PT. (DEFAULT= 11) ?

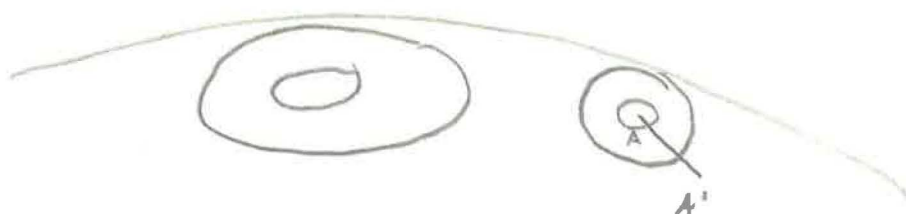
FILE LABEL: GL1125

WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.07	0.00	0.07	0.00	1.65	24.08	0.67	0.00	0.00	0.16	0.76	72.54	100.00
2	38.3	0.05	0.00	0.11	0.08	1.57	27.48	0.67	0.00	0.00	0.06	0.65	69.33	100.00
3	76.6	0.04	0.00	0.07	0.12	1.70	29.05	0.67	0.00	0.00	0.00	0.69	67.65	99.99
4	114.9	0.05	0.00	0.07	0.00	2.03	29.61	0.80	0.00	0.00	0.00	0.79	66.65	100.00
5	153.2	0.07	0.00	0.13	0.00	2.36	29.45	0.77	0.00	0.00	0.00	0.89	66.33	100.00
6	191.4	0.07	0.00	0.11	0.00	1.46	25.92	0.33	0.00	0.00	0.00	2.40	69.71	100.00
7	229.7	0.07	0.07	0.05	0.00	2.02	25.35	0.58	0.00	0.00	0.00	2.81	69.05	100.00
8	268.0	0.12	0.00	0.00	0.10	1.43	27.65	0.35	0.00	0.00	0.00	3.37	66.98	100.00
9	306.3	0.07	0.00	0.07	0.00	1.25	29.05	0.27	0.00	0.00	0.00	3.08	66.21	100.00
10	344.6	0.00	0.00	0.13	0.15	2.52	31.17	0.69	0.00	0.00	0.00	0.74	64.60	100.00
11	382.9	0.04	0.00	0.00	0.00	1.73	32.34	0.86	0.00	0.09	0.00	0.29	64.65	100.00

SELECT:E

GL1125



260 mg
 11 pts.

QFILE:

DATE? 11-21-86

SAMPLE #? GL1125

LABEL?

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MG0 CA0 P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

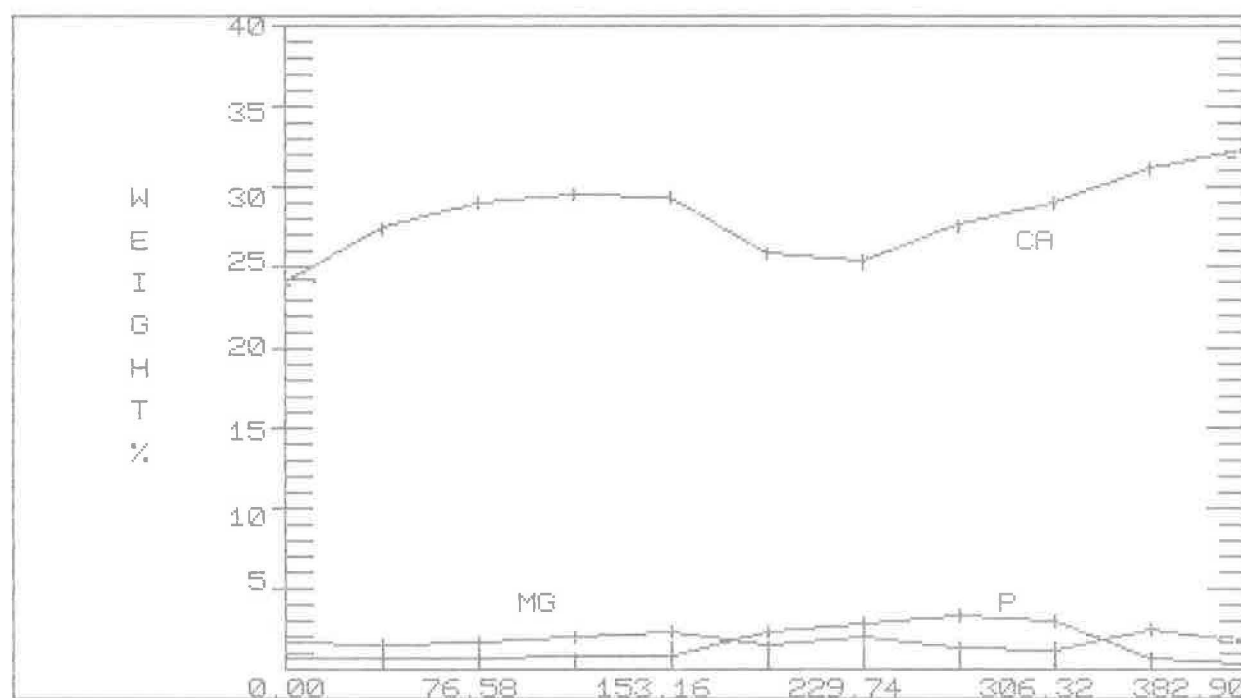
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

SAT 22-NOV-86 13:50



DISTANCE IN MICRONS *1E 0

DATE: 11-21-86 SAMPLE #: GL1125 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
CA MG P

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No. 245
 Drive No. 2
 File Label: GL1141
 Data Saved From Program: ZAF
 Normalize Data Y/N? Y

GECARCINUS LATERALIS
 Specimen # 1
 Larger Claw Articulation of Tipo, Palu
 Run 1

SELECT RESULTS MODE:
 ELEMENTAL
 ATOMIC
 STOICHIOMETRIC E
 No. of Elements: 12
 No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

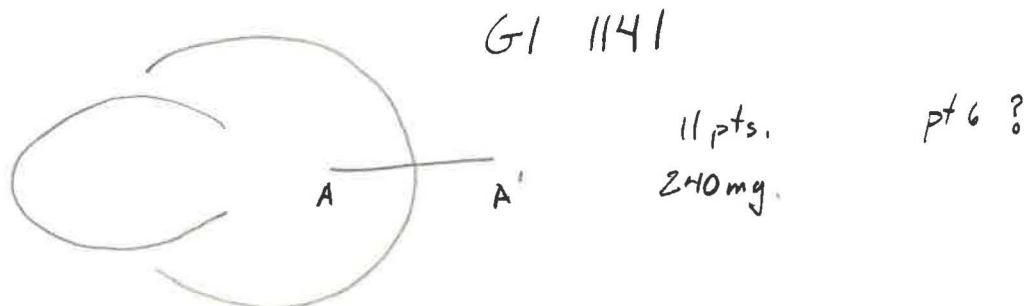
QFILE:

SELECT: P
 STARTING PT. (DEFAULT=1) ?
 ENDING PT. (DEFAULT= 11) ?

FILE LABEL: GL1141
 WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.00	0.07	0.18	0.00	1.43	32.37	0.48	0.00	0.00	0.00	0.76	64.71	100.00
2	44.3	0.00	0.00	0.16	0.22	1.66	33.31	0.69	0.00	0.00	0.00	0.68	63.28	100.00
3	88.7	0.04	0.00	0.09	0.00	2.08	32.80	0.56	0.00	0.00	0.00	0.79	63.64	100.00
4	133.0	0.09	0.00	0.32	0.00	1.92	32.89	0.50	0.00	0.00	0.12	0.88	63.28	100.00
5	177.4	0.00	0.00	0.00	0.00	2.24	33.07	0.63	0.00	0.00	0.00	0.91	63.15	100.00
6	221.7	0.00	0.00	0.06	0.00	1.89	33.94	0.33	0.06	0.00	0.00	1.54	62.18	100.00
7	266.1	0.00	0.00	0.02	0.00	0.06	18.47	0.00	0.00	0.00	0.00	0.23	81.22	100.00
8	310.4	0.10	0.00	0.08	0.00	1.35	32.08	0.27	0.00	0.10	0.00	2.11	63.91	100.00
9	354.8	0.00	0.00	0.00	0.00	1.50	34.35	0.50	0.00	0.00	0.00	2.44	61.21	100.00
10	399.1	0.00	0.00	0.00	0.00	1.72	33.54	0.39	0.07	0.00	0.00	1.67	62.61	100.00
11	443.5	0.00	0.00	0.00	0.00	1.72	34.89	0.68	0.00	0.00	0.00	0.12	62.59	100.00

SELECT: E



QFILE:

DATE?

SAMPLE #? GL1141

LABEL?

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

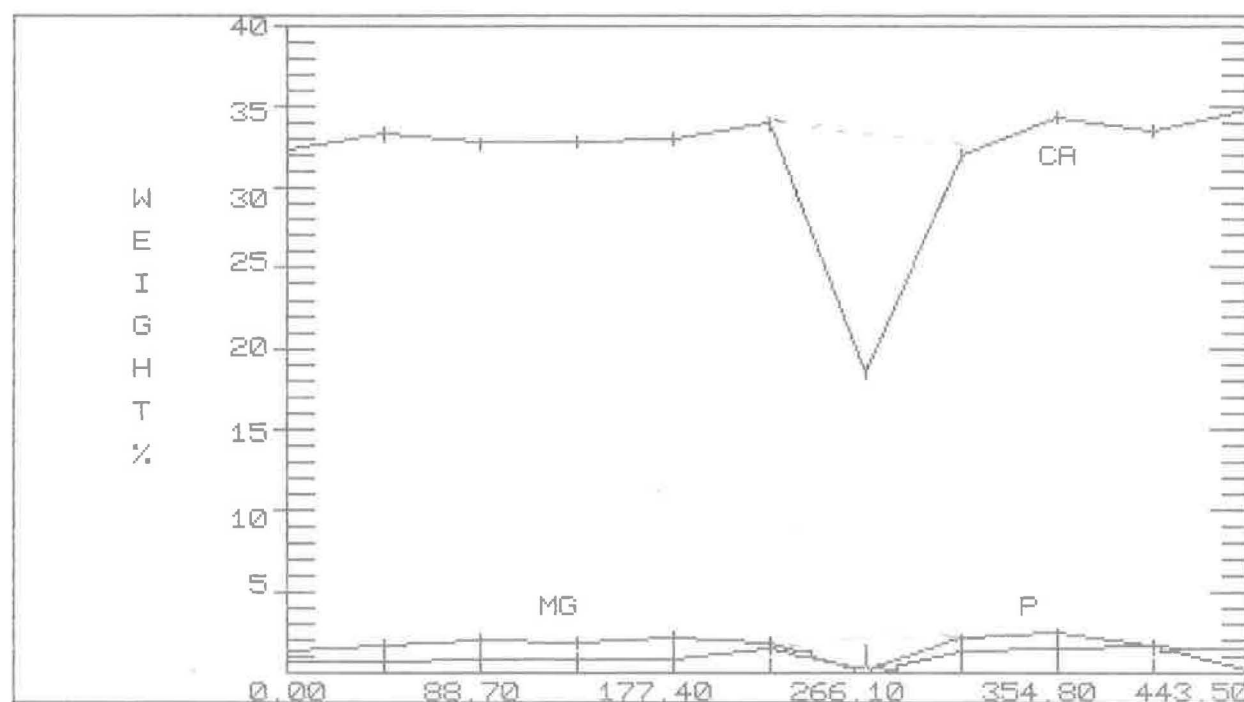
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

FRI 14-NOV-86 12:00



DISTANCE IN MICRONS *1E 0

DATE: 11-14-86 SAMPLE #: GL1141 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
CA MG P

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No. 258
 Drive No. 22
 File Label: GL1142
 Data Saved From Program: ZAF
 Normalize Data Y/N? Y

GEARCINUS LATERALIS
 Specimen # 1
 Larger Claw Articulation of Tips & Palm
 Run 2

SELECT RESULTS MODE:
 ELEMENTAL
 ATOMIC
 STOICHIOMETRIC E
 No. of Elements: 12
 No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

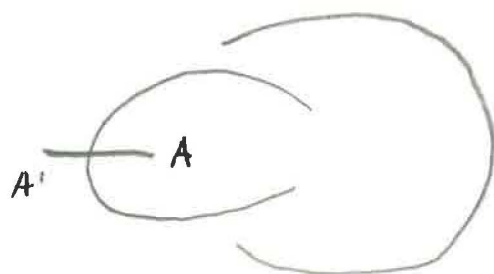
SELECT: P
 STARTING PT. (DEFAULT=1) ?
 ENDING PT. (DEFAULT= 11) ?

FILE LABEL: GL1142
 WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.05	0.05	0.00	0.00	1.33	25.63	0.70	0.00	0.09	0.00	0.94	71.21	100.00
2	45.0	0.10	0.00	0.10	0.00	1.30	27.72	0.65	0.00	0.00	0.00	0.80	69.33	100.00
3	90.1	0.06	0.05	0.11	0.10	1.69	29.46	0.73	0.00	0.00	0.00	0.97	66.83	100.00
4	135.2	0.09	0.06	0.13	0.00	1.98	29.21	0.68	0.00	0.00	0.00	0.88	66.97	100.00
5	180.2	0.12	0.00	0.07	0.00	2.11	28.16	0.45	0.00	0.00	0.08	1.50	67.51	100.00
6	225.2	0.07	0.00	0.09	0.00	1.31	25.44	0.30	0.00	0.00	0.08	1.47	71.24	100.00
7	270.3	0.00	0.00	0.03	0.00	1.16	26.21	0.25	0.00	0.00	0.00	1.69	70.66	100.00
8	315.3	0.04	0.07	0.00	0.12	0.96	26.69	0.24	0.00	0.00	0.00	1.77	70.11	100.00
9	360.4	0.04	0.00	0.05	0.00	0.93	26.20	0.29	0.00	0.00	0.07	2.35	70.07	100.00
10	405.4	0.08	0.00	0.12	0.00	1.76	30.51	0.56	0.00	0.00	0.00	1.67	65.30	100.00
11	450.5	0.00	0.00	0.14	0.00	1.71	31.96	0.68	0.00	0.00	0.09	0.05	65.37	100.00

SELECT: E

GL 1142



220 mg
 11 pts.

QFILE:

DATE? 11-21-86

SAMPLE #? GL1142

LABEL?

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MG0 CA0 P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

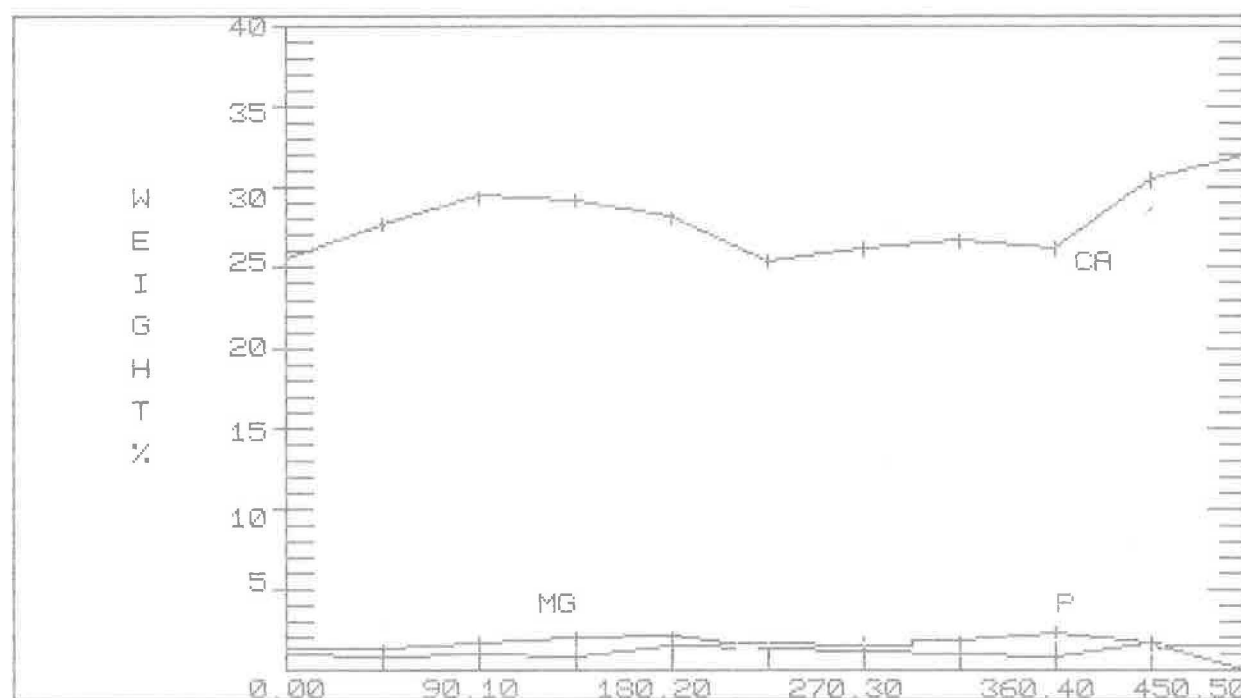
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

SAT 22-NOV-86 13:53



DISTANCE IN MICRONS *1E 0

DATE: 11-21-86 SAMPLE #: GL1142 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
CA MG P

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No. 759
 Drive No. 22
 File Label: GL1143
 Data Saved From Program: ZAF
 Normalize Data Y/N? Y

GECARCINUS LATERALIS

Specimen # 1

Larger Claw Articulation of Tips & Palm

Run 3

SELECT RESULTS MODE:
 ELEMENTAL
 ATOMIC
 STOICHIOMETRIC E
 No. of Elements: 12
 No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

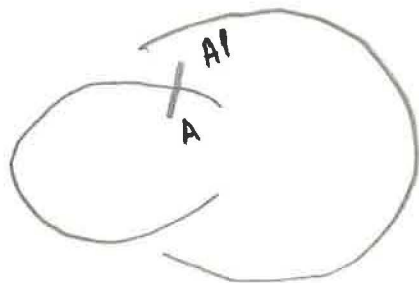
SELECT:P
 STARTING PT. (DEFAULT=1) ?
 ENDING PT. (DEFAULT= 11) ?

FILE LABEL: GL1143
 WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.07	0.00	0.07	0.00	1.09	16.10	0.25	0.00	0.00	0.00	1.43	80.99	100.00
2	32.7	0.03	0.00	0.00	0.00	0.82	19.91	0.29	0.00	0.00	0.12	1.14	77.69	100.00
3	65.3	0.08	0.00	0.00	0.00	1.00	23.17	0.34	0.00	0.07	0.00	1.41	73.93	100.00
4	98.0	0.00	0.00	0.09	0.00	1.68	26.56	0.35	0.00	0.00	0.00	2.54	68.78	100.00
5	130.7	0.05	0.00	0.10	0.00	1.45	28.04	0.40	0.00	0.00	0.07	2.24	67.64	99.99
6	163.3	0.08	0.00	0.17	0.00	1.74	30.23	0.40	0.00	0.00	0.00	2.18	65.20	100.00
7	196.0	0.00	0.07	0.07	0.00	1.65	28.77	0.48	0.00	0.00	0.00	2.26	66.70	100.00
8	228.7	0.05	0.00	0.00	0.10	1.40	27.56	0.34	0.00	0.00	0.00	2.37	68.18	100.00
9	261.4	0.06	0.00	0.11	0.00	0.85	23.46	0.25	0.00	0.06	0.00	2.27	72.94	100.00
10	294.0	0.07	0.13	0.07	0.00	1.71	28.74	0.49	0.00	0.00	0.00	3.56	65.22	99.99
11	326.7	0.01	0.00	0.02	0.00	0.00	0.10	0.00	0.00	0.02	0.00	0.00	99.85	100.00

SELECT:E

GL 1143



220 mag
 11pts.

QFILE:

DATE? 11-21-86

SAMPLE #? GL1143

LABEL?

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

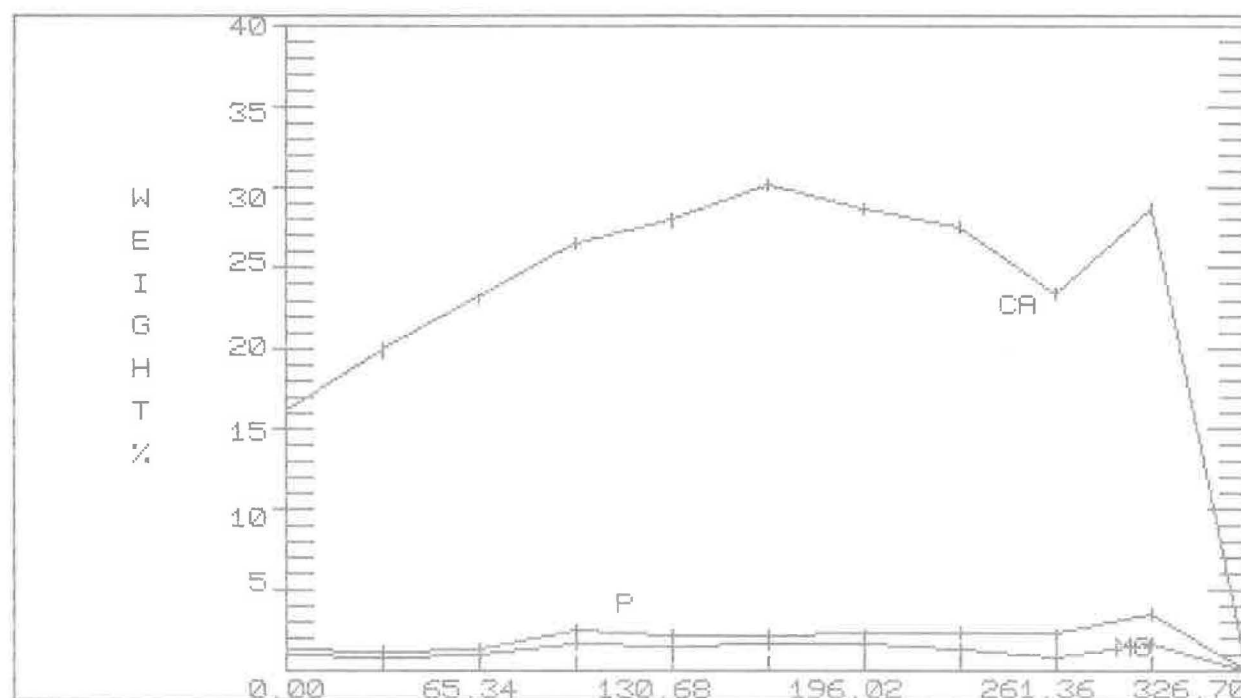
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

SAT 22-NOV-86 13:57



DISTANCE IN MICRONS *1E 0

DATE: 11-21-86 SAMPLE #: GL1143 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
CA MG P

NEW PLOT USING SAME DATA FILE? N

QFILE:
File No. 260
Drive No. 22
File Label: GL1144
Data Saved From Program: ZAF
Normalize Data Y/N? Y

GECARCINUS LATERALIS

Specimen #1

Largest Claw Articulation of Tips & Palm

Run 4

SELECT RESULTS MODE:
ELEMENTAL
ATOMIC
STOICHIOMETRIC E
No. of Elements: 12
No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

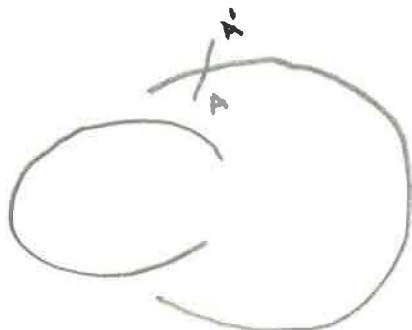
QFILE:

SELECT: P
STARTING PT. (DEFAULT=1) ?
ENDING PT. (DEFAULT= 11) ?

FILE LABEL: GL1144
WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.07	0.00	0.00	0.00	1.11	17.53	0.19	0.00	0.00	0.00	4.00	77.10	100.00
2	31.3	0.03	0.06	0.00	0.08	1.01	17.73	0.10	0.00	0.00	0.11	2.79	78.09	100.00
3	62.5	0.11	0.00	0.09	0.00	1.26	17.81	0.24	0.00	0.00	0.00	2.71	77.78	100.00
4	93.8	0.09	0.00	0.11	0.11	0.89	16.79	0.12	0.00	0.00	0.00	1.98	79.91	100.00
5	125.0	0.07	0.00	0.09	0.00	1.41	26.90	0.55	0.00	0.00	0.00	1.05	69.93	100.00
6	156.3	0.04	0.00	0.00	0.00	1.61	27.89	0.62	0.00	0.00	0.00	1.16	68.68	100.00
7	187.6	0.10	0.00	0.10	0.00	2.01	27.89	0.52	0.00	0.09	0.00	1.35	67.94	100.00
8	218.8	0.00	0.00	0.04	0.14	1.22	25.66	0.38	0.00	0.08	0.00	2.25	70.23	100.00
9	250.1	0.13	0.00	0.07	0.10	1.53	29.48	0.30	0.00	0.07	0.00	2.73	65.58	99.99
10	281.3	0.00	0.00	0.08	0.00	1.58	29.08	0.32	0.00	0.00	0.00	3.10	65.84	100.00
11	312.6	0.00	0.00	0.08	0.00	1.67	27.57	0.62	0.00	0.00	0.00	1.69	68.37	100.00

SELECT: E



GL 1144

220 mg
11pt.

QFILE:

DATE? 11-21-86

SAMPLE #? GL1144

LABEL?

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MG0 CA0 205

ELEMENT NOT FOUND

EL: P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

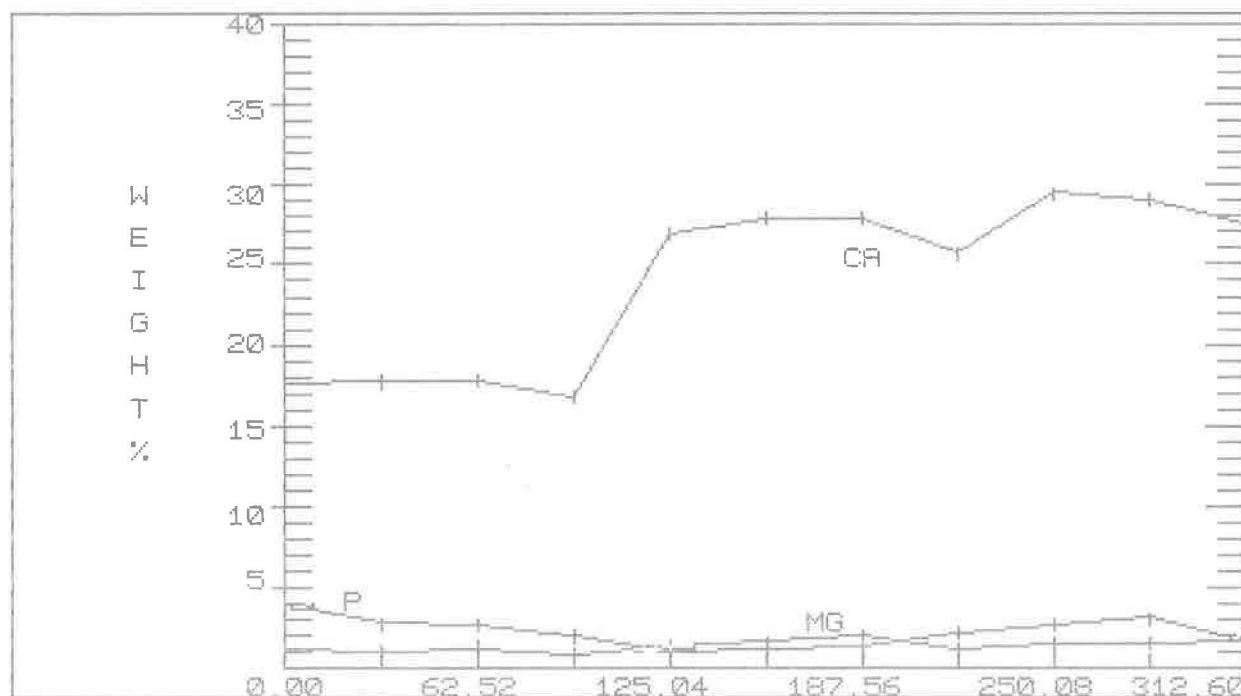
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

SAT 22-NOV-86 14:00



DISTANCE IN MICRONS *1E 0

DATE: 11-21-86 SAMPLE #: GL1144 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
CA P MG

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No. 246
 Drive No. 22
 File Label: GL1151
 Data Saved From Program: ZAF
 Normalize Data Y/N? Y

GEARCINUS LATERALIS
 Specimen #1
 Larger Claw Palm (Section 5)
 Run 1

SELECT RESULTS MODE:
 ELEMENTAL
 ATOMIC
 STOICHIOMETRIC E
 No. of Elements: 12
 No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

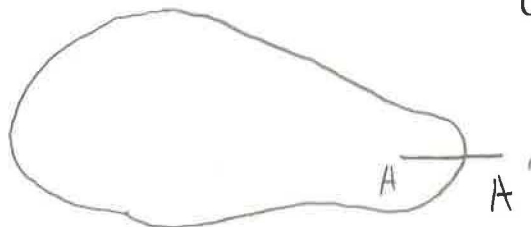
SELECT: P
 STARTING PT. (DEFAULT=1) ?
 ENDING PT. (DEFAULT= 11) ?

FILE LABEL: GL1151
 WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.00	0.00	0.76	0.00	1.52	29.28	0.43	0.00	0.00	0.00	0.95	67.06	100.00
2	43.6	0.00	0.00	0.25	0.00	1.56	30.31	0.74	0.00	0.00	0.00	0.89	66.25	100.00
3	87.2	0.03	0.06	0.24	0.19	1.95	31.26	0.80	0.00	0.00	0.00	1.00	64.47	100.00
4	130.9	0.05	0.06	0.23	0.00	1.78	30.27	0.48	0.00	0.00	0.00	1.13	66.00	100.00
5	174.5	0.00	0.00	0.13	0.00	2.06	30.55	0.68	0.00	0.09	0.11	0.94	65.44	100.00
6	218.1	0.00	0.00	0.27	0.00	1.26	27.77	0.11	0.00	0.12	0.00	1.39	69.09	100.01
7	261.7	0.00	0.00	0.19	0.00	1.29	27.38	0.00	0.10	0.00	0.00	1.74	69.30	100.00
8	305.3	0.00	0.00	0.19	0.00	1.19	27.29	0.18	0.00	0.00	0.00	1.70	69.45	100.00
9	349.0	0.00	0.00	0.05	0.00	1.32	28.44	0.24	0.17	0.00	0.09	2.29	67.40	100.00
10	392.6	0.00	0.00	0.31	0.00	1.84	29.04	0.33	0.00	0.00	0.00	1.93	66.55	100.00
11	436.2	0.00	0.06	0.00	0.00	1.86	33.33	0.65	0.00	0.00	0.00	0.34	63.76	100.00

SELECT: E

GL 1151



11pts
 240mg

QFILE:

DATE?

SAMPLE #? GL1151

LABEL?

ELEMENTS INCLUDE:

SI	TI	AL
FE	MG	CA
NA	K	MN
CR	P	O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

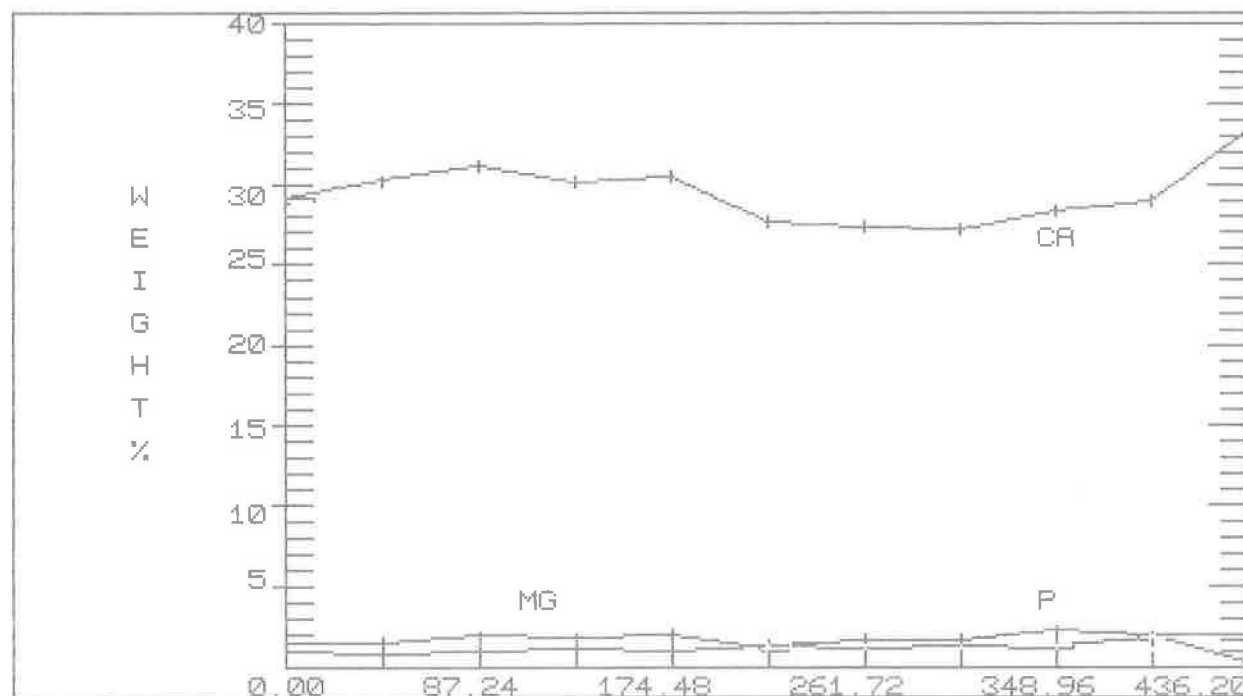
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

FRI 14-NOV-86 12:03



DISTANCE IN MICRONS *1E 0

DATE: 11-14-86

SAMPLE #: GL1151

LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS

CA	MG	P
----	----	---

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No.?47
 Drive No.?2
 File Label: GL1152
 Data Saved From Program: ZAF
 Normalize Data Y/N?Y

GEARCINUS

LATERALIS

Specimen #1

Larger Claw

Palm (Section 5)

Run 2

SELECT RESULTS MODE:
 ELEMENTAL
 ATOMIC
 STOICHIOMETRIC E
 No. of Elements: 12
 No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

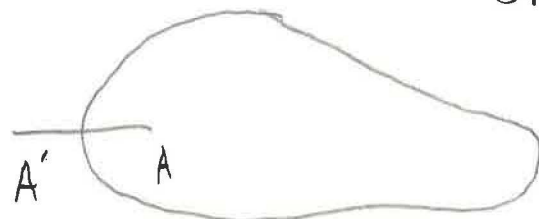
SELECT:P
 STARTING PT. (DEFAULT=1) ?
 ENDING PT. (DEFAULT= 11) ?

FILE LABEL: GL1152
 WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.06	0.07	3.78	0.00	0.82	21.14	0.09	0.00	0.00	0.00	1.77	72.27	100.00
2	32.9	0.00	0.00	0.13	0.00	1.50	29.61	0.55	0.00	0.00	0.00	0.93	67.28	100.00
3	65.8	0.00	0.00	0.50	0.00	1.57	31.16	0.49	0.06	0.00	0.00	0.77	65.45	100.00
4	98.8	0.00	0.00	0.07	0.12	1.67	30.96	0.56	0.00	0.00	0.00	0.78	65.84	100.00
5	131.7	0.00	0.07	0.14	0.00	2.05	31.96	0.54	0.05	0.00	0.00	0.88	64.31	100.00
6	164.6	0.00	0.06	0.00	0.00	1.86	31.36	0.28	0.00	0.00	0.00	1.16	65.28	100.00
7	197.5	0.00	0.00	0.00	0.00	0.79	28.33	0.00	0.05	0.00	0.00	1.26	69.58	100.01
8	230.4	0.00	0.00	0.06	0.00	0.96	29.49	0.19	0.13	0.09	0.00	1.54	67.54	100.00
9	263.4	0.03	0.00	0.00	0.00	0.57	26.58	0.07	0.13	0.17	0.00	1.47	70.98	100.00
10	296.3	0.00	0.00	0.11	0.00	0.86	29.64	0.11	0.07	0.00	0.00	1.71	67.50	100.00
11	329.2	0.00	0.00	0.00	0.00	1.60	33.43	0.72	0.00	0.00	0.00	0.20	64.05	100.00

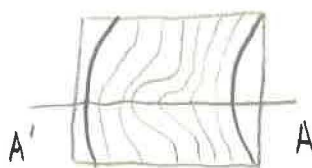
SELECT:E

GL 1152



11pts
 300mag

pt 1 ?



QFILE:

DATE?

SAMPLE #? GL1152

LABEL?

ELEMENTS INCLUDE:

SI	TI	AL
FE	MG	CA
NA	K	MN
CR	P	O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

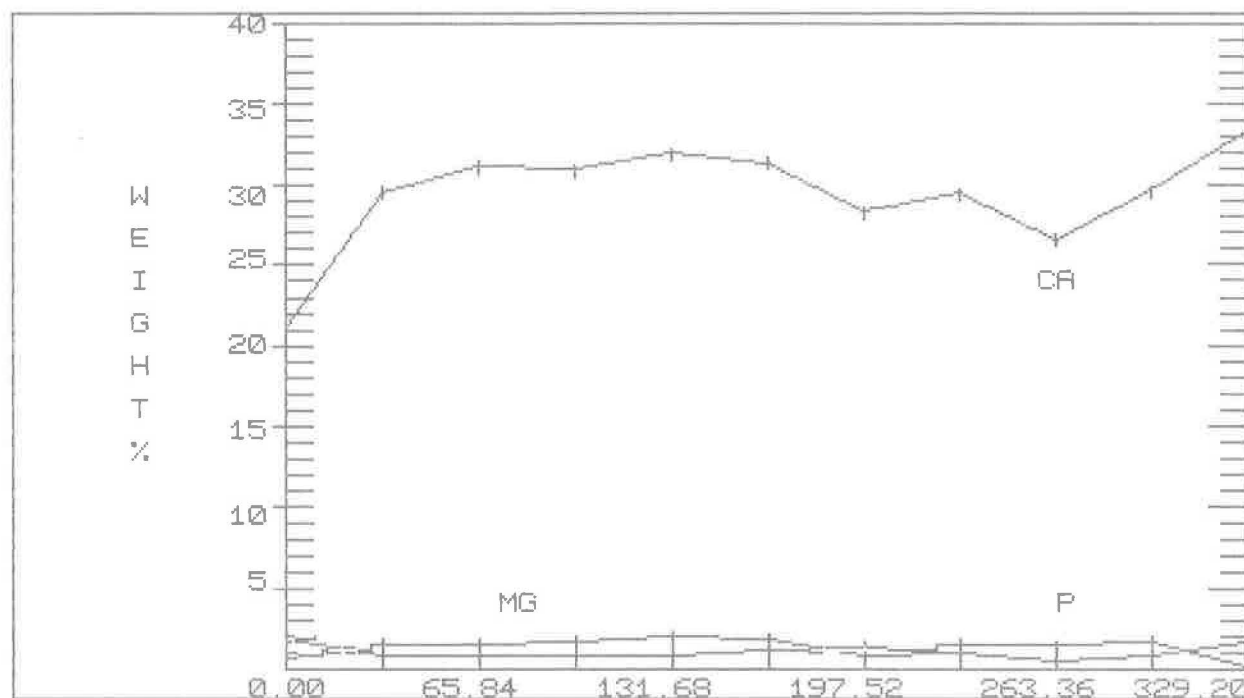
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

FRI 14-NOV-86 11:49



DISTANCE IN MICRONS *1E 0

DATE: 11-14-86

SAMPLE #: GL1152

LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS

CA P MG

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No. 248
 Drive No. 22
 File Label: GL1161
 Data Saved From Program: ZAF
 Normalize Data Y/N? Y

GEARCINUS LATERALIS

Specimen #1

Larger Claw Palm (Section 6)

Run 1

SELECT RESULTS MODE:
 ELEMENTAL
 ATOMIC
 STOICHIOMETRIC E
 No. of Elements: 12
 No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

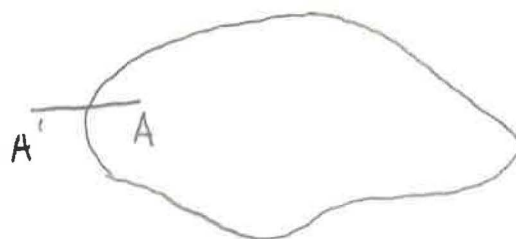
QFILE:

SELECT: P
 STARTING PT. (DEFAULT=1) ?
 ENDING PT. (DEFAULT= 11) ?

FILE LABEL: GL1161
 WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.00	0.00	2.15	0.11	0.43	22.91	0.00	0.00	0.07	0.00	0.90	73.43	100.00
2	34.5	0.04	0.00	0.19	0.00	1.41	31.58	0.58	0.00	0.00	0.00	0.91	65.29	100.00
3	68.9	0.00	0.05	0.41	0.10	1.48	30.60	0.40	0.00	0.00	0.00	0.74	66.22	100.00
4	103.4	0.00	0.06	0.06	0.14	1.86	32.45	0.54	0.05	0.00	0.00	0.84	64.00	100.00
5	137.8	0.00	0.11	0.00	0.00	2.18	32.35	0.48	0.00	0.00	0.00	0.93	63.95	100.00
6	172.3	0.00	0.00	0.17	0.00	1.97	33.19	0.45	0.00	0.15	0.00	1.12	62.95	100.00
7	206.8	0.09	0.00	0.32	0.00	1.69	30.24	0.37	0.14	0.00	0.00	1.55	65.60	100.00
8	241.2	0.00	0.00	0.16	0.00	1.58	30.90	0.36	0.10	0.00	0.00	2.06	64.84	100.00
9	275.7	0.05	0.00	0.12	0.00	1.21	30.40	0.32	0.13	0.00	0.07	2.16	65.54	100.00
10	310.1	0.04	0.00	0.20	0.00	1.28	30.40	0.34	0.12	0.00	0.00	2.03	65.59	100.00
11	344.6	0.06	0.00	0.00	0.00	1.82	34.42	0.83	0.00	0.23	0.00	0.25	62.39	100.00

SELECT: E



GL 1161

11 pts

300 mg

pt 1 ?

QFILE:

DATE?

SAMPLE #? GL1161

LABEL?

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

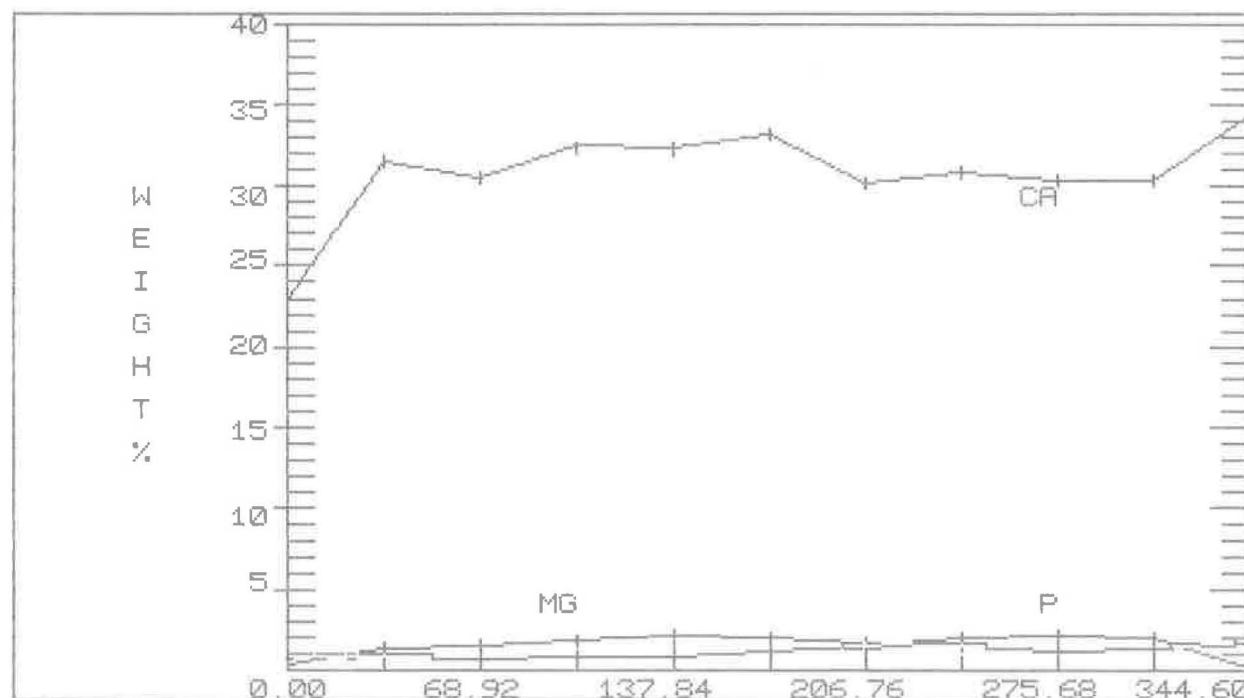
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

FRI 14-NOV-86 11:53



DISTANCE IN MICRONS *1E 0

DATE: 11-14-86

SAMPLE #: GL1161

LABEL:

ELEMENTS SORTED BY WT % AT

0.000 MICRONS

CA

MG

P

NEW PLOT USING SAME DATA FILE? N

QFILE:
File No.?61
Drive No.?2
File Label: GL1162
Data Saved From Program: ZAF
Normalize Data Y/N?Y

GECAECINUS LATERALIS
Specimen #1
Larger Claw Palm (Section 6)
Run 2

SELECT RESULTS MODE:
ELEMENTAL
ATOMIC
STOICHIOMETRIC E
No. of Elements: 12
No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

SELECT:P
STARTING PT. (DEFAULT=1) ?
ENDING PT. (DEFAULT= 11) ?

FILE LABEL: GL1162
WEIGHT% DATA FOR POINTS 1 TO 11

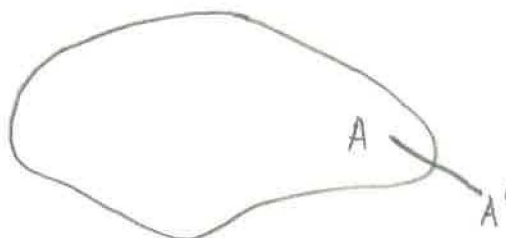
POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.05	0.00	0.13	0.09	1.50	24.95	0.68	0.00	0.00	0.00	0.85	71.75	100.00
2	43.0	0.10	0.00	0.12	0.08	1.61	25.89	0.65	0.00	0.00	0.00	0.65	70.90	100.00
3	85.9	0.10	0.00	0.15	0.00	1.59	26.19	0.52	0.00	0.00	0.00	0.82	70.63	100.00
4	128.9	0.07	0.00	0.11	0.00	1.71	26.38	0.52	0.00	0.00	0.00	0.87	70.34	100.00
5	171.8	0.00	0.00	0.12	0.00	2.05	27.47	0.56	0.00	0.00	0.00	0.93	68.87	100.00
6	214.8	0.00	0.00	0.27	0.00	1.55	21.96	0.39	0.00	0.07	0.00	2.04	73.72	100.00
7	257.8	0.08	0.00	0.00	0.09	1.43	25.88	0.40	0.00	0.00	0.00	1.92	70.20	100.00
8	300.7	0.13	0.00	0.08	0.00	1.43	26.02	0.18	0.00	0.00	0.00	2.28	69.88	100.00
9	343.7	0.05	0.00	0.00	0.00	1.29	26.09	0.32	0.00	0.07	0.00	2.36	69.82	100.00
10	386.6	0.12	0.00	0.07	0.00	1.24	26.34	0.22	0.00	0.00	0.00	2.67	69.34	100.00
11	429.6	0.03	0.00	0.09	0.00	1.93	34.13	0.77	0.00	0.00	0.00	0.17	62.88	100.00

SELECT:E

220 mg

11 phs

G1 1162



QFILE:

DATE? 11-21-86

SAMPLE #? GL1162

LABEL?

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

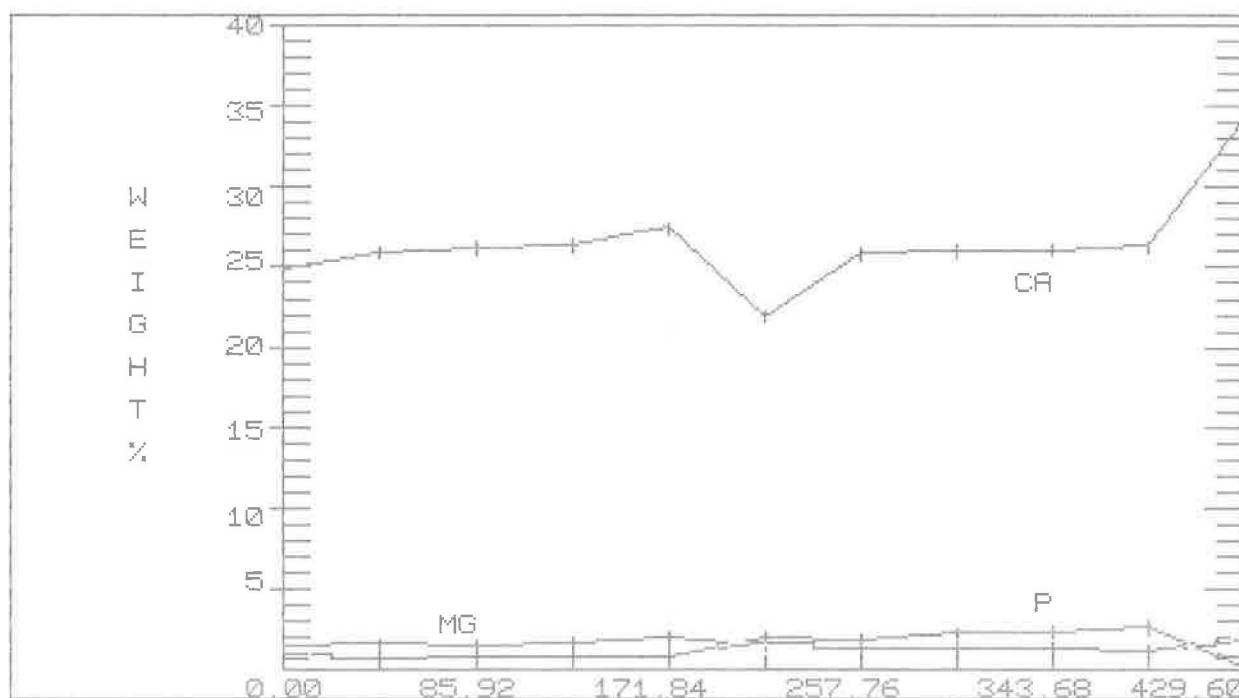
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UID: GEOLOGICAL SCIENCES

SAT 22-NOV-86 14:03



DISTANCE IN MICRONS *1E 0

DATE: 11-21-86 SAMPLE #: GL1162 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
CA MG P

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No.?65
 Drive No.?2
 File Label: GL1221
 Data Saved From Program: ZAF
 Normalize Data Y/N?Y

GEARCI NUS LATERALIS

Specimen #1

Smaller Claw Tips

Run 1

SELECT RESULTS MODE:
 ELEMENTAL
 ATOMIC
 STOICHIOMETRIC E
 No. of Elements: 12
 No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

SELECT:P
 STARTING PT. (DEFAULT=1) ?
 ENDING PT. (DEFAULT= 11) ?

FILE LABEL: GL1221
 WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.05	0.00	0.09	0.00	0.84	13.09	0.26	0.00	0.00	0.07	0.86	84.74	100.00
2	30.1	0.00	0.00	0.10	0.12	1.89	22.73	0.57	0.00	0.00	0.00	0.56	74.02	99.99
3	60.2	0.06	0.09	0.06	0.00	1.94	23.14	0.76	0.00	0.00	0.00	0.58	73.37	100.00
4	90.4	0.08	0.00	0.06	0.18	1.73	23.26	0.51	0.00	0.00	0.08	0.60	73.50	100.00
5	120.5	0.00	0.00	0.12	0.00	2.26	23.65	0.75	0.00	0.12	0.00	0.58	72.52	100.00
6	150.6	0.06	0.00	0.13	0.00	2.57	22.07	0.72	0.00	0.00	0.00	0.67	73.78	100.00
7	180.7	0.06	0.00	0.06	0.08	1.05	18.96	0.35	0.00	0.00	0.00	1.42	78.02	100.00
8	210.8	0.03	0.00	0.05	0.00	1.26	20.83	0.42	0.00	0.00	0.00	1.51	75.90	100.00
9	241.0	0.07	0.00	0.00	0.00	1.17	22.19	0.30	0.00	0.00	0.00	1.65	74.62	100.00
10	271.1	0.04	0.00	0.00	0.00	0.60	18.83	0.15	0.00	0.00	0.00	1.31	79.07	100.00
11	301.2	0.04	0.00	0.00	0.00	0.60	18.84	0.15	0.00	0.00	0.00	1.31	79.06	100.00

SELECT:E

GL 1221

A' A

300 mg
 11 pts.

QFILE:

DATE? 11-21-86

SAMPLE #? GL1221

LABEL?

ELEMENTS INCLUDE:

SI	TI	AL
FE	MG	CA
NA	K	MN
CR	P	O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MG0 CA0 P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

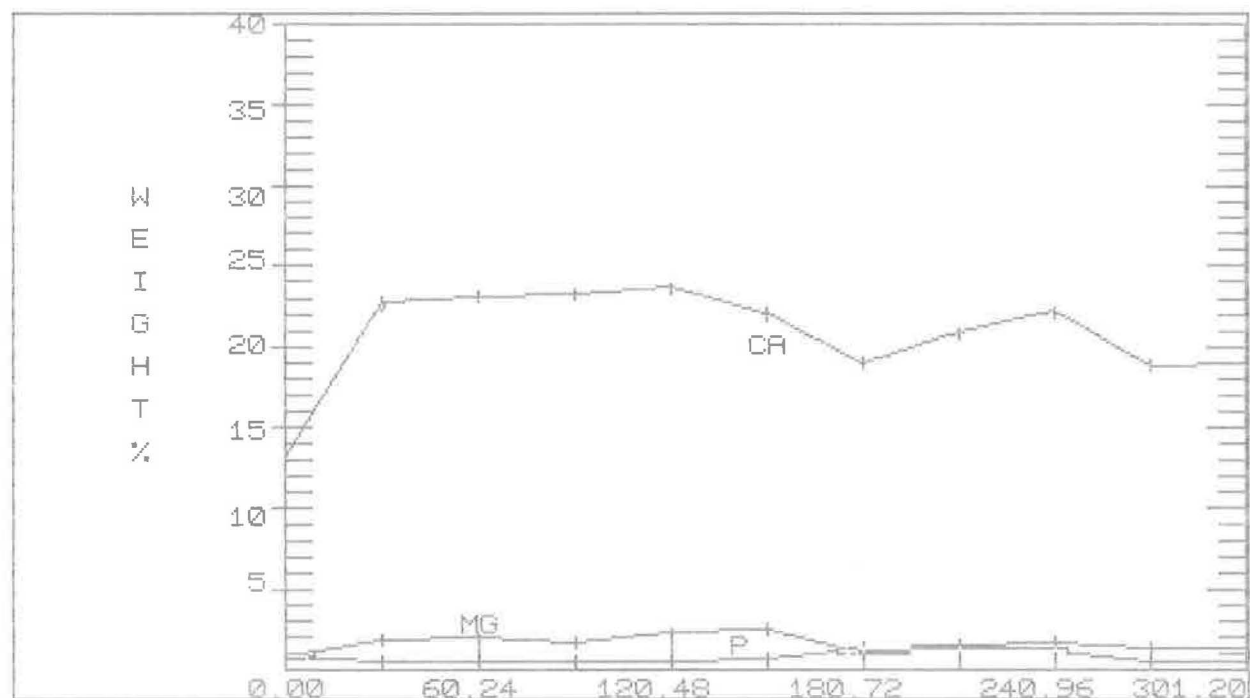
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

SAT 22-NOV-86 21:53



DISTANCE IN MICRONS *1E 0

DATE: 11-21-86 SAMPLE #: GL1221 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
CA MG P

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No. 266
 Drive No. 2
 File Label: GL1222
 Data Saved From Program: ZAF
 Normalize Data Y/N? Y

GECARCINUS LATERALIS

Specimen #1

Smaller Claw Tips

Run 2

SELECT RESULTS MODE:

ELEMENTAL

ATOMIC

STOICHIOMETRIC E

No. of Elements: 12

No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

SELECT:P

STARTING PT. (DEFAULT=1) ?

ENDING PT. (DEFAULT= 11) ?

FILE LABEL: GL1222

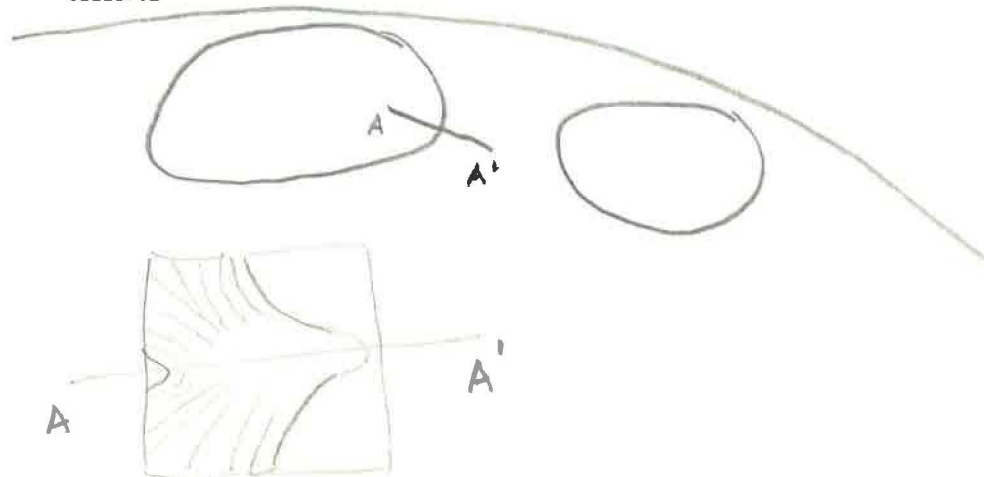
WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.03	0.00	0.07	0.12	1.63	26.83	0.77	0.00	0.07	0.08	0.59	69.81	100.00
2	26.1	0.05	0.00	0.10	0.00	1.69	27.65	0.87	0.00	0.00	0.00	0.41	69.23	100.00
3	52.3	0.08	0.05	0.20	0.00	1.63	20.95	0.78	0.00	0.00	0.00	0.22	76.09	100.00
4	78.4	0.04	0.05	0.14	0.00	1.71	23.04	0.90	0.00	0.00	0.06	0.26	73.80	100.00
5	104.5	0.00	0.00	0.11	0.00	1.44	25.49	0.57	0.00	0.00	0.00	0.20	72.19	100.00
6	130.7	0.06	0.00	0.07	0.00	2.06	27.30	0.69	0.00	0.00	0.00	0.28	69.54	100.00
7	156.8	0.06	0.08	0.09	0.00	2.24	26.96	0.82	0.00	0.00	0.00	0.20	69.55	100.00
8	182.9	0.00	0.00	0.13	0.14	2.74	26.49	1.00	0.00	0.00	0.00	0.00	69.50	100.00
9	209.0	0.08	0.00	0.09	0.00	3.38	26.38	1.13	0.00	0.00	0.00	0.06	68.88	100.00
10	235.2	0.00	0.00	0.11	0.00	2.93	27.01	0.95	0.00	0.00	0.00	0.00	69.00	100.00
11	261.3	0.00	0.00	0.11	0.00	2.93	27.01	0.95	0.00	0.00	0.00	0.00	69.00	100.00

SELECT:E

GL 1222

360 mg
 11pts



QFILE:

DATE? 11-21-86

SAMPLE #? GL1222

LABEL?

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

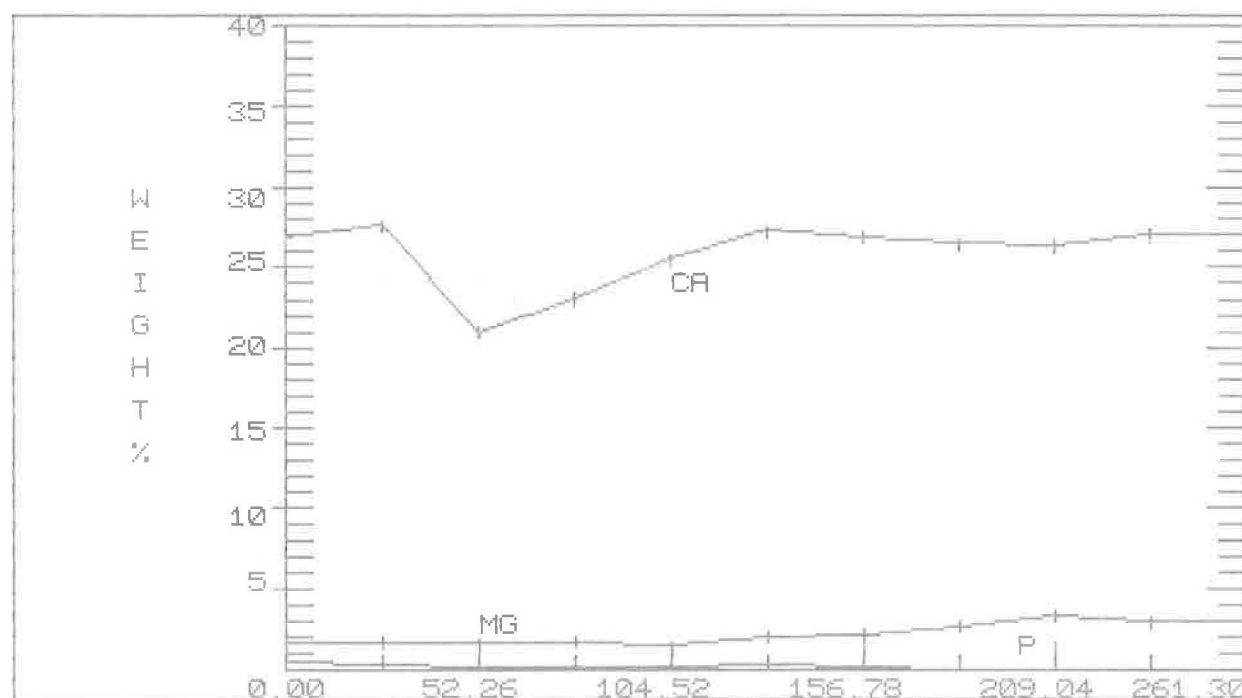
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

LIC: GEOLOGICAL SCIENCES

SAT 22-NOV-86 21:56



DISTANCE IN MICRONS *1E 0

DATE: 11-21-86 SAMPLE #: GL1222 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
CA MG P

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No. 267
 Drive No. 22
 File Label: GL1223
 Data Saved From Program: ZAF
 Normalize Data Y/N? Y

GECARCINUS LATERALIS

Specimen #1
 Smaller Claw Tips

Run 3

SELECT RESULTS MODE:
 ELEMENTAL
 ATOMIC
 STOICHIOMETRIC E
 No. of Elements: 12
 No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

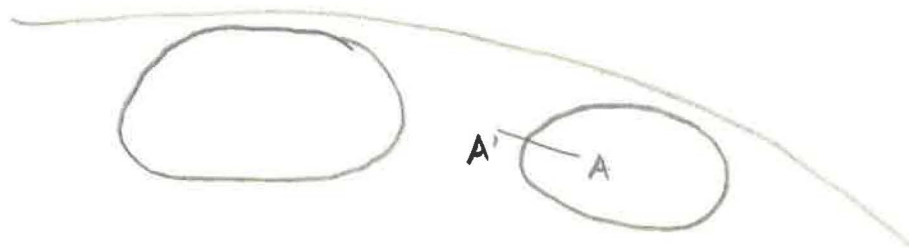
SELECT:P
 STARTING PT. (DEFAULT=1) ?
 ENDING PT. (DEFAULT= 11) ?

FILE LABEL: GL1223
 WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.11	0.00	0.07	0.00	0.88	13.99	0.33	0.00	0.00	0.05	1.35	83.22	100.00
2	30.3	0.05	0.00	0.00	0.00	0.94	17.06	0.30	0.00	0.00	0.00	1.27	80.38	100.00
3	60.5	0.05	0.00	0.04	0.00	0.76	16.01	0.17	0.00	0.00	0.00	1.20	81.77	100.00
4	90.8	0.03	0.00	0.06	0.00	0.83	18.17	0.27	0.00	0.00	0.00	1.25	79.39	100.00
5	121.1	0.10	0.00	0.03	0.00	0.83	18.29	0.31	0.00	0.00	0.00	1.31	79.13	100.00
6	151.3	0.04	0.00	0.08	0.00	1.03	21.68	0.19	0.00	0.00	0.00	1.37	75.61	100.00
7	181.6	0.00	0.04	0.00	0.10	1.77	21.47	0.19	0.00	0.00	0.00	1.05	75.38	100.00
8	211.9	0.06	0.00	0.06	0.00	1.52	25.41	0.69	0.00	0.14	0.00	0.94	71.17	99.99
9	242.2	0.00	0.00	0.00	0.08	2.03	26.04	0.67	0.00	0.00	0.00	0.69	70.49	100.00
10	272.4	0.00	0.00	0.18	0.00	2.18	26.48	0.79	0.00	0.00	0.06	0.11	70.20	100.00
11	302.7	0.00	0.00	0.18	0.00	2.18	26.47	0.79	0.00	0.00	0.06	0.11	70.21	100.00

SELECT:E

GL 1223



320 mg
 11 pts.

QFILE:

DATE? 11-21-86

SAMPLE #? GL1223

LABEL?

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO 205

ELEMENT NOT FOUND

EL: P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

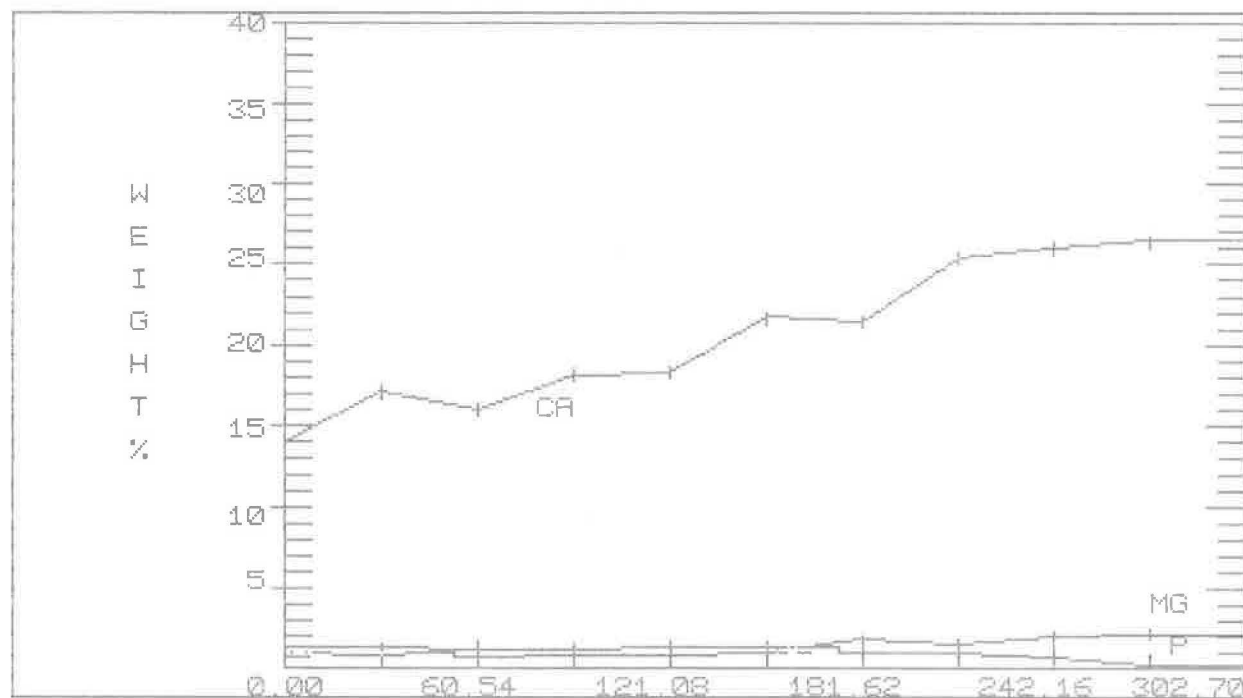
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

SAT 22-NOV-86 22:00



DISTANCE IN MICRONS *1E 0

DATE: 11-21-86 SAMPLE #: GL1223 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
CA P MG

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No. 768
 Drive No. 22
 File Label: GL1224
 Data Saved From Program: ZAF
 Normalize Data Y/N? Y

GECA RCINUS LATERALIS

Specimen # 1

Smaller Claw Tips

Run 4

SELECT RESULTS MODE:

ELEMENTAL

ATOMIC

STOICHIOMETRIC E

No. of Elements: 12

No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

SELECT:P

STARTING PT. (DEFAULT=1) ?

ENDING PT. (DEFAULT= 11) ?

FILE LABEL: GL1224

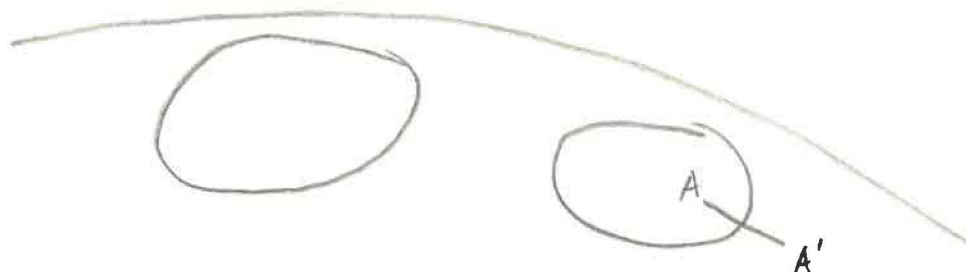
WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.08	0.04	0.11	0.07	0.56	13.04	0.17	0.00	0.00	0.00	0.78	85.15	100.00
2	20.7	0.23	0.00	0.08	0.00	1.27	7.50	0.47	0.00	0.00	0.00	0.28	90.17	100.00
3	41.5	0.12	0.00	0.06	0.00	1.33	10.05	0.36	0.00	0.00	0.04	0.21	87.83	100.00
4	62.2	0.57	0.06	0.12	0.00	1.01	4.80	0.33	0.00	0.00	0.00	0.22	92.89	100.00
5	83.0	0.78	0.00	0.12	0.06	1.50	6.63	0.61	0.00	0.00	0.00	0.21	90.09	100.00
6	103.7	0.05	0.00	0.09	0.11	1.79	9.27	0.72	0.00	0.00	0.00	0.31	87.66	100.00
7	124.4	0.07	0.00	0.07	0.00	1.31	10.50	0.40	0.00	0.00	0.05	0.54	87.06	100.00
8	145.2	0.05	0.00	0.15	0.00	1.22	20.01	0.30	0.00	0.00	0.00	1.12	77.15	100.00
9	165.9	0.00	0.00	0.06	0.00	1.08	19.67	0.48	0.00	0.07	0.00	1.18	77.46	100.00
10	186.7	0.05	0.00	0.11	0.00	0.90	19.88	0.23	0.00	0.00	0.00	1.33	77.50	100.00
11	207.4	0.05	0.00	0.11	0.00	0.90	19.88	0.23	0.00	0.00	0.00	1.33	77.50	100.00

SELECT:E

GL 1224

480 mg
 11 pt.



QFILE:

DATE? 11-21-86

SAMPLE #? GL1224

LABEL?

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MG0 CA0 P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

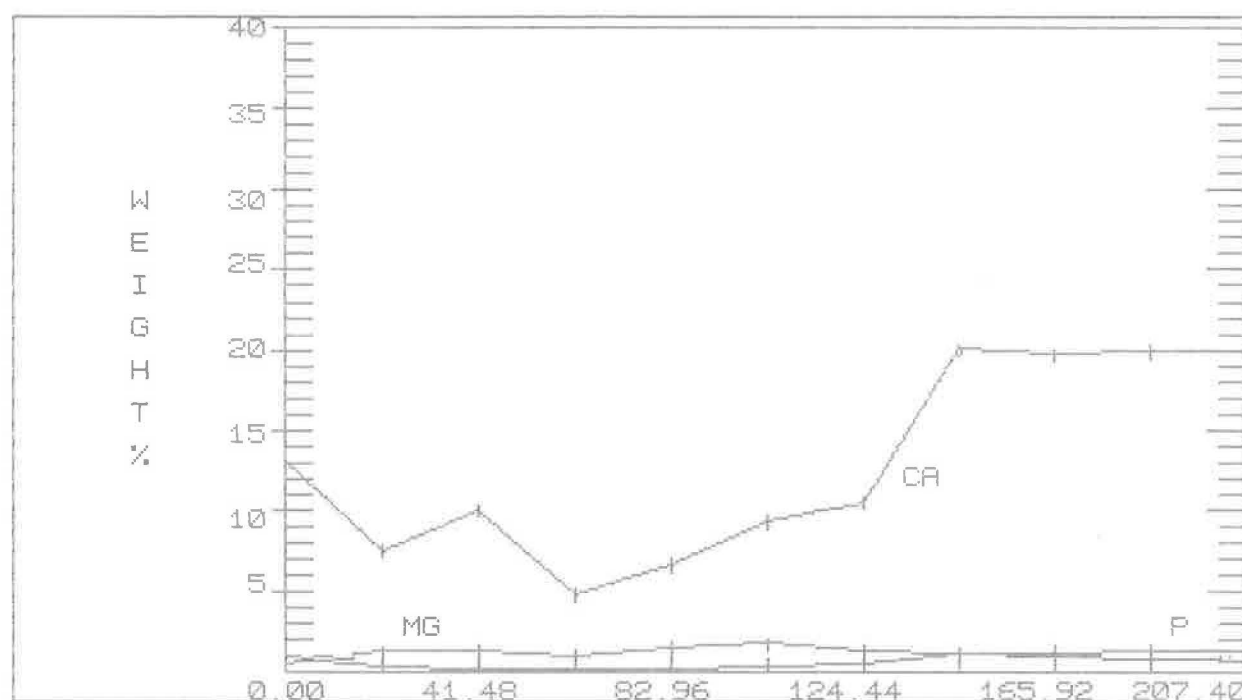
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

SAT 22-NOV-86 22:04



DISTANCE IN MICRONS *1E 0

DATE: 11-21-86 SAMPLE #: GL1224 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
CA MG P

NEW PLOT USING SAME DATA FILE? N

QFILE:
File No. 269
Drive No. 22
File Label: GL1241
Data Saved From Program: ZAF
Normalize Data Y/N? Y

GEARCI NUS LATERALIS

Specimen #1

Smaller Claw Articulation of Tips of Palm

Run 1

SELECT RESULTS MODE:
ELEMENTAL
ATOMIC
STOICHIOMETRIC E
No. of Elements: 12
No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

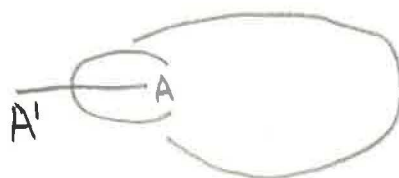
SELECT: P
STARTING PT. (DEFAULT=1) ?
ENDING PT. (DEFAULT= 11) ?

FILE LABEL: GL1241
WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.05	0.00	0.06	0.00	0.65	5.45	0.51	0.00	0.00	0.00	0.77	92.51	100.00
2	34.4	0.17	0.00	0.08	0.07	1.02	7.85	0.39	0.00	0.00	0.05	0.36	90.01	100.00
3	68.8	0.67	0.00	0.09	0.00	1.24	8.82	0.53	0.00	0.00	0.00	0.37	88.28	100.00
4	103.2	0.10	0.00	0.00	0.00	1.21	7.98	0.51	0.00	0.00	0.00	0.32	89.88	100.00
5	137.6	0.21	0.00	0.00	0.00	1.43	8.00	0.49	0.00	0.05	0.00	0.37	89.45	100.00
6	172.1	0.24	0.00	0.10	0.00	1.63	9.66	0.53	0.00	0.00	0.00	0.52	87.32	100.00
7	206.5	1.21	0.00	0.12	0.00	0.64	1.53	0.24	0.00	0.00	0.04	0.36	95.86	100.00
8	240.9	0.00	0.00	0.11	0.00	1.62	15.88	0.58	0.00	0.00	0.00	1.17	80.64	100.00
9	275.3	0.05	0.00	0.07	0.10	1.65	20.62	0.68	0.00	0.00	0.00	1.66	75.16	99.99
10	309.7	0.07	0.00	0.08	0.15	1.55	21.78	0.58	0.00	0.00	0.00	1.59	74.20	100.00
11	344.1	0.10	0.00	0.06	0.00	1.59	23.19	0.71	0.00	0.06	0.00	1.39	72.89	99.99

SELECT: E

GL 1241



260 mg
upts.

QFILE:

DATE? 11-23-86

SAMPLE #? GL1241

LABEL?

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

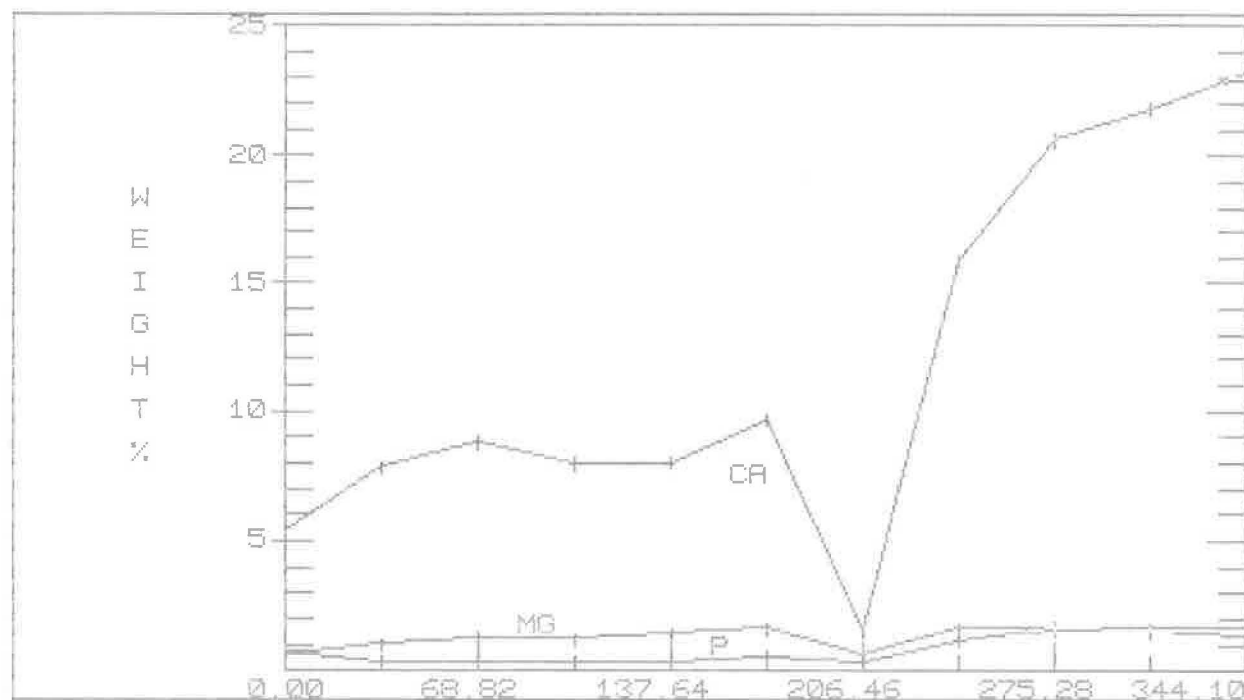
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?25

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

SUN 23-NOV-86 17:16



DISTANCE IN MICRONS *1E 0

DATE: 11-23-86 SAMPLE #: GL1241 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
CA MG P

NEW PLOT USING SAME DATA FILE? N

QFILE:
File No. 270
Drive No. 22
File Label: GL1242
Data Saved From Program: ZAF
Normalize Data Y/N? Y

SELECT RESULTS MODE:
ELEMENTAL
ATOMIC
STOICHIOMETRIC E
No. of Elements: 12
No. of Points: 11

GECARCINUS LATERALIS

Specimen # 1

Smaller Claw Articulation of Tips $\frac{1}{2}$ Palm

Run 2

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

SELECT: P
STARTING PT. (DEFAULT=1) ?
ENDING PT. (DEFAULT= 11) ?

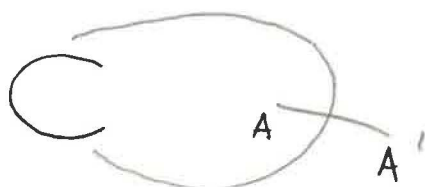
FILE LABEL: GL1242
WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.10	0.76	0.05	0.11	0.14	0.62	0.76	0.04	0.00	0.00	0.09	97.33	100.00
2	39.4	0.00	0.09	0.09	0.00	1.51	25.25	0.65	0.00	0.09	0.00	0.72	71.60	100.00
3	78.9	0.07	0.08	0.00	0.00	1.37	26.26	0.58	0.00	0.00	0.00	0.84	70.80	100.00
4	118.3	0.00	0.00	0.11	0.00	1.62	26.56	0.73	0.00	0.00	0.00	0.76	70.22	100.00
5	157.7	0.06	0.00	0.08	0.00	2.24	26.49	0.71	0.00	0.00	0.00	0.77	69.65	100.00
6	197.1	0.05	0.00	0.17	0.00	2.48	27.24	0.70	0.00	0.06	0.09	0.74	68.47	100.00
7	236.6	0.05	0.00	0.10	0.00	2.12	24.74	0.40	0.00	0.00	0.08	1.26	71.25	100.00
8	276.0	0.05	0.00	0.08	0.00	1.45	21.69	0.17	0.00	0.10	0.00	2.17	74.29	100.00
9	315.4	0.04	0.00	0.00	0.13	1.19	22.85	0.37	0.00	0.00	0.00	2.18	73.24	100.00
10	354.9	0.03	0.00	0.07	0.00	1.26	23.84	0.22	0.00	0.00	0.00	1.99	72.59	100.00
11	394.3	0.04	0.06	0.12	0.00	1.59	31.13	0.77	0.00	0.00	0.00	0.09	66.20	100.00

SELECT: E

G/ 1242

240 mg
11 pts



Pt. # 1 off shell

QFILE:

DATE? 11-23-86

SAMPLE #? GL1242

LABEL?

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

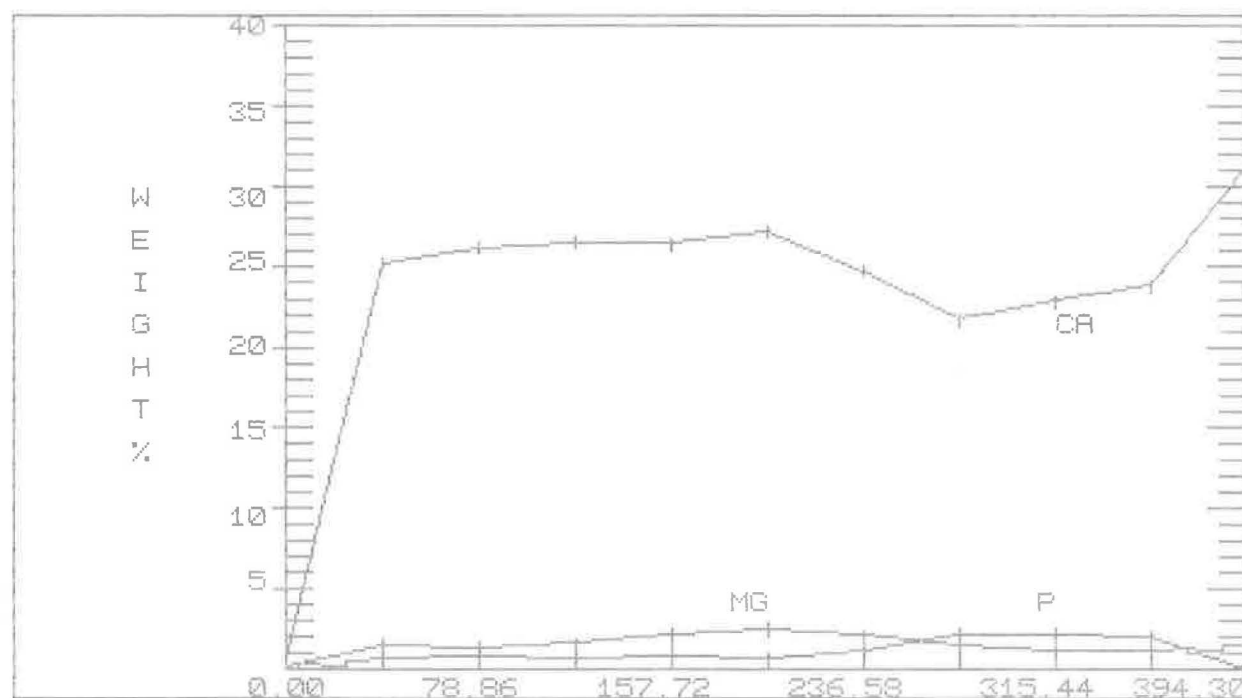
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

SUN 23-NOV-86 17:12



DISTANCE IN MICRONS *1E 0

DATE: 11-23-86 SAMPLE #: GL1242 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
MG CA P

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No. 271
 Drive No. 22
 File Label: GL1261
 Data Saved From Program: ZAF
 Normalize Data Y/N? Y

GECARCINUS LATERALIS

Specimen #1
 Smaller Claw Palm
 Run 1

SELECT RESULTS MODE:
 ELEMENTAL
 ATOMIC
 STOICHIOMETRIC E
 No. of Elements: 12
 No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

SELECT: P
 STARTING PT. (DEFAULT=1) ?
 ENDING PT. (DEFAULT= 11) ?

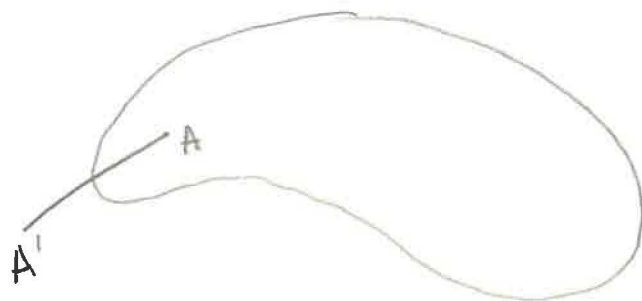
FILE LABEL: GL1261
 WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.03	0.00	0.04	0.00	1.43	24.48	0.72	0.00	0.00	0.00	0.91	72.39	100.00
2	39.5	0.07	0.00	0.04	0.00	1.32	27.12	0.58	0.00	0.00	0.00	0.78	70.09	100.00
3	79.0	0.00	0.00	0.08	0.00	1.37	27.80	0.76	0.00	0.00	0.00	0.78	69.21	100.00
4	118.6	0.00	0.00	0.07	0.00	1.44	28.29	0.66	0.00	0.10	0.00	0.71	68.73	100.00
5	158.1	0.00	0.00	0.17	0.00	1.95	27.35	0.84	0.00	0.19	0.00	0.86	68.64	100.00
6	197.6	0.04	0.00	0.09	0.22	2.23	26.25	0.79	0.00	0.00	0.06	0.92	69.40	100.00
7	237.1	0.06	0.00	0.14	0.00	2.23	23.86	0.78	0.00	0.00	0.00	0.83	72.10	100.00
8	276.6	0.04	0.00	0.07	0.00	1.67	26.08	0.76	0.00	0.00	0.00	0.69	70.69	100.00
9	316.2	0.00	0.00	0.07	0.00	2.13	29.58	0.77	0.00	0.00	0.00	0.45	66.99	99.99
10	355.7	0.00	0.00	0.08	0.00	2.08	29.38	0.87	0.00	0.00	0.00	0.64	66.95	100.00
11	395.2	0.03	0.00	0.00	0.00	1.75	31.34	0.74	0.00	0.00	0.00	0.26	65.88	100.00

SELECT: E

GL1261

240mg
 11pts



QFILE:

DATE? 11-23-86

SAMPLE #? GL1261

LABEL?

ELEMENTS INCLUDE:

SI	TI	AL
FE	MG	CA
NA	K	MN
CR	P	O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

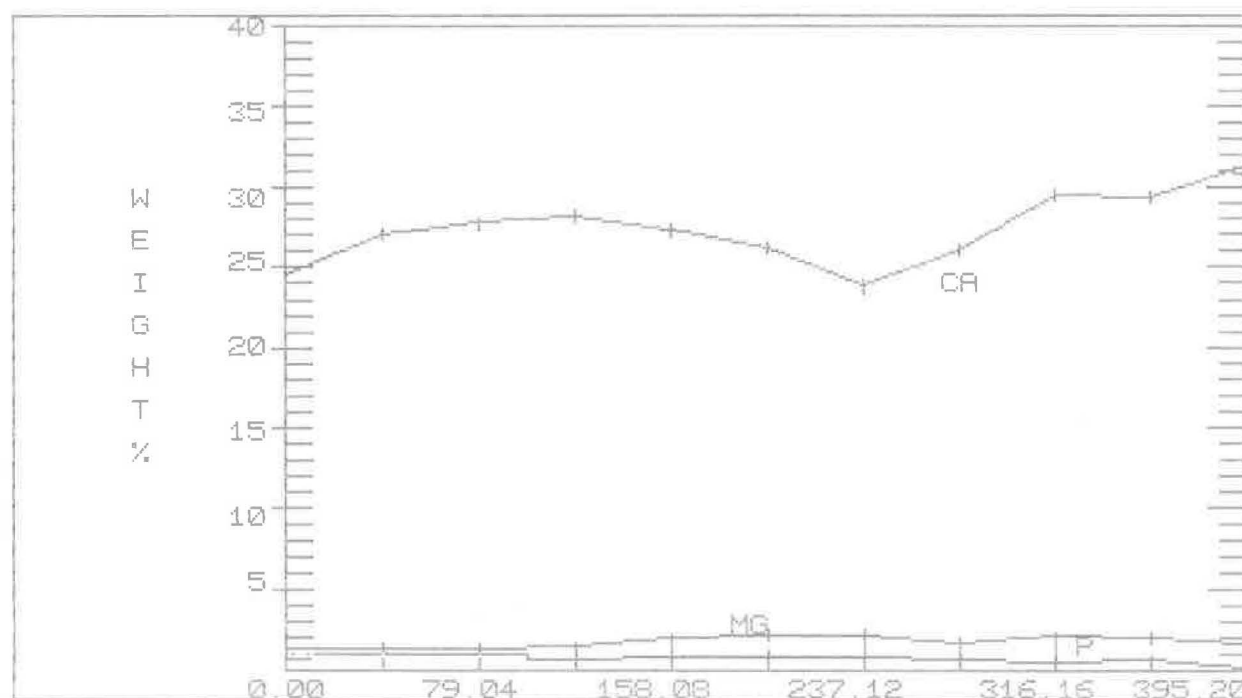
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UID: GEOLOGICAL SCIENCES

SUN 23-NOV-86 17:19



DISTANCE IN MICRONS *1E 0

DATE: 11-23-86 SAMPLE #: GL1261 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
CA MG P

NEW PLOT USING SAME DATA FILE? N

QFILE:
 File No.??2
 Drive No.??
 File Label: GL1262
 Data Saved From Program: ZAF
 Normalize Data Y/N?Y

GELARCINUS LATERALIS

Specimen #1
 Smaller Claw Palm
 Run 2

SELECT RESULTS MODE:
 ELEMENTAL
 ATOMIC
 STOICHIOMETRIC E
 No. of Elements: 12
 No. of Points: 11

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

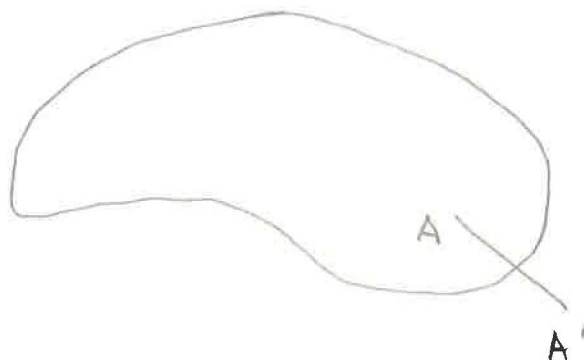
SELECT:P
 STARTING PT. (DEFAULT=1) ?
 ENDING PT. (DEFAULT= 11) ?

FILE LABEL: GL1262
 WEIGHT% DATA FOR POINTS 1 TO 11

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.09	0.00	0.08	0.00	1.06	12.56	0.73	0.00	0.00	0.00	0.56	84.92	100.00
2	27.0	0.06	0.00	0.07	0.00	1.26	16.47	0.70	0.00	0.00	0.00	0.62	80.82	100.00
3	54.1	0.11	0.00	0.20	0.00	1.27	17.86	0.60	0.00	0.06	0.00	0.61	79.29	100.00
4	81.1	0.10	0.00	0.10	0.11	1.52	16.49	0.80	0.00	0.00	0.00	0.72	80.16	100.00
5	108.2	0.12	0.00	0.15	0.00	1.77	14.83	0.65	0.00	0.08	0.00	0.61	81.80	100.01
6	135.2	0.07	0.00	0.09	0.00	1.95	18.20	0.71	0.00	0.00	0.00	0.74	78.24	100.00
7	162.2	0.06	0.00	0.00	0.00	1.74	21.77	0.71	0.04	0.00	0.00	1.53	74.15	100.00
8	189.3	0.05	0.00	0.00	0.12	1.50	21.37	0.73	0.00	0.00	0.00	1.63	74.60	100.00
9	216.3	0.05	0.00	0.09	0.00	1.55	22.89	0.58	0.00	0.00	0.00	1.54	73.30	100.00
10	243.4	0.08	0.00	0.16	0.00	1.60	25.03	0.48	0.00	0.00	0.00	1.35	71.30	100.00
11	270.4	0.00	0.00	0.08	0.10	1.62	31.82	0.87	0.00	0.10	0.00	0.16	65.25	100.00

SELECT:E

GL 1262
 11pts.



QFILE:

DATE? 11-23-86

SAMPLE #? GL1262

LABEL?

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO 205

ELEMENT NOT FOUND

EL: P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 11)?

CONNECT POINTS? (DEFAULT=YES)

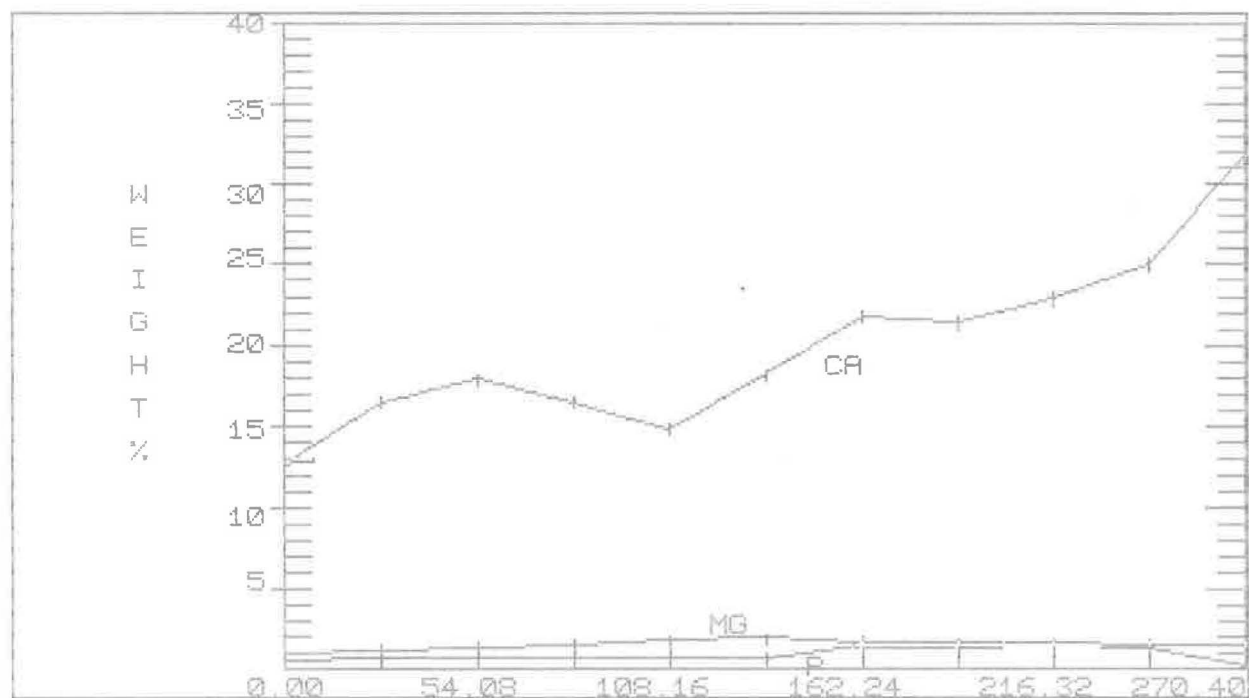
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

SUN 23-NOV-86 17:23



DISTANCE IN MICRONS *1E 0

DATE: 11-23-86 SAMPLE #: GL1262 LABEL:

ELEMENTS SORTED BY WT % AT 0.000 MICRONS
CA MG P

NEW PLOT USING SAME DATA FILE? N

DTITLE:
 File No. 791
 Drive No. 22
 File Label: GL1311
 Data Saved From Program: ZAF
 Normalize Data Y/N? Y

GECARCINUS LATERALIS
 Specimen #1
 Shell
 Run 1

SELECT RESULTS MODE:
 ELEMENTAL
 ATOMIC
 STOICHIOMETRIC E
 No. of Elements: 12
 No. of Points: 10

ELEMENT	LINE	ELEMENT	LINE
SI	K	TI	K
AL	K	FE	K
MG	K	CA	K
NA	K	K	K
MN	K	CR	K
P	K	O	K

QFILE:

SELECT:P
 STARTING PT. (DEFAULT=1) ?
 ENDING PT. (DEFAULT= 10) ?

FILE LABEL: GL1311
 WEIGHT% DATA FOR POINTS 1 TO 10

POINT	MICRONS	SI-K	TI-K	AL-K	FE-K	MG-K	CA-K	NA-K	K-K	MN-K	CR-K	P-K	O-K	TOTAL
1	0.0	0.06	0.00	0.15	0.16	0.15	0.42	0.14	0.00	0.00	0.00	0.06	98.86	100.00
2	35.6	0.00	0.09	0.00	0.00	1.52	36.17	0.50	0.00	0.00	0.11	1.03	60.58	100.00
3	71.2	0.00	0.06	0.00	0.00	1.80	37.75	0.47	0.00	0.11	0.00	1.27	58.54	100.00
4	106.9	0.00	0.00	0.00	0.00	2.23	38.72	0.63	0.00	0.00	0.00	1.04	57.38	100.00
5	142.5	0.00	0.00	0.00	0.16	2.19	39.02	0.62	0.00	0.00	0.00	1.12	56.89	100.00
6	178.1	0.03	0.00	0.08	0.09	0.30	30.83	0.12	0.00	0.00	0.00	1.26	67.29	100.00
7	213.7	0.05	0.00	0.00	0.00	0.98	31.48	0.28	0.00	0.00	0.00	1.99	65.22	100.00
8	249.3	0.00	0.00	0.00	0.00	2.17	37.69	0.43	0.00	0.00	0.00	2.55	57.16	100.00
9	285.0	0.00	0.09	0.00	0.00	3.47	36.62	0.36	0.00	0.00	0.00	1.66	57.80	100.00
10	320.6	0.04	0.04	0.00	0.00	0.43	9.34	0.34	0.17	0.00	0.00	0.15	89.49	100.00

SELECT:E

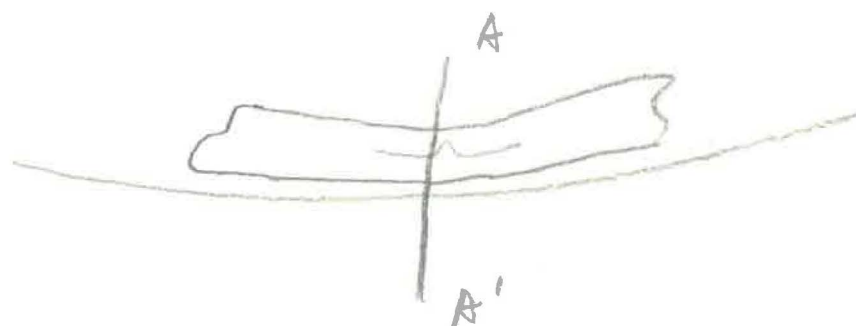
91

GL 1311

200 my

10 pts.

1st pt. bud



QFILE:

DATE? 1-23-87

SAMPLE #? 91

LABEL? GL1311

ELEMENTS INCLUDE:

SI TI AL

FE MG CA

NA K MN

CR P O

NO. ELEMENTS TO PLOT (DEFAULT=ALL)?3

INPUT ELEMENT NAMES: MGO CAO P 205

DISPLAY LINESCAN FROM POINT (DEFAULT= 1)? TO (DEFAULT= 10)?

CONNECT POINTS? (DEFAULT=YES)

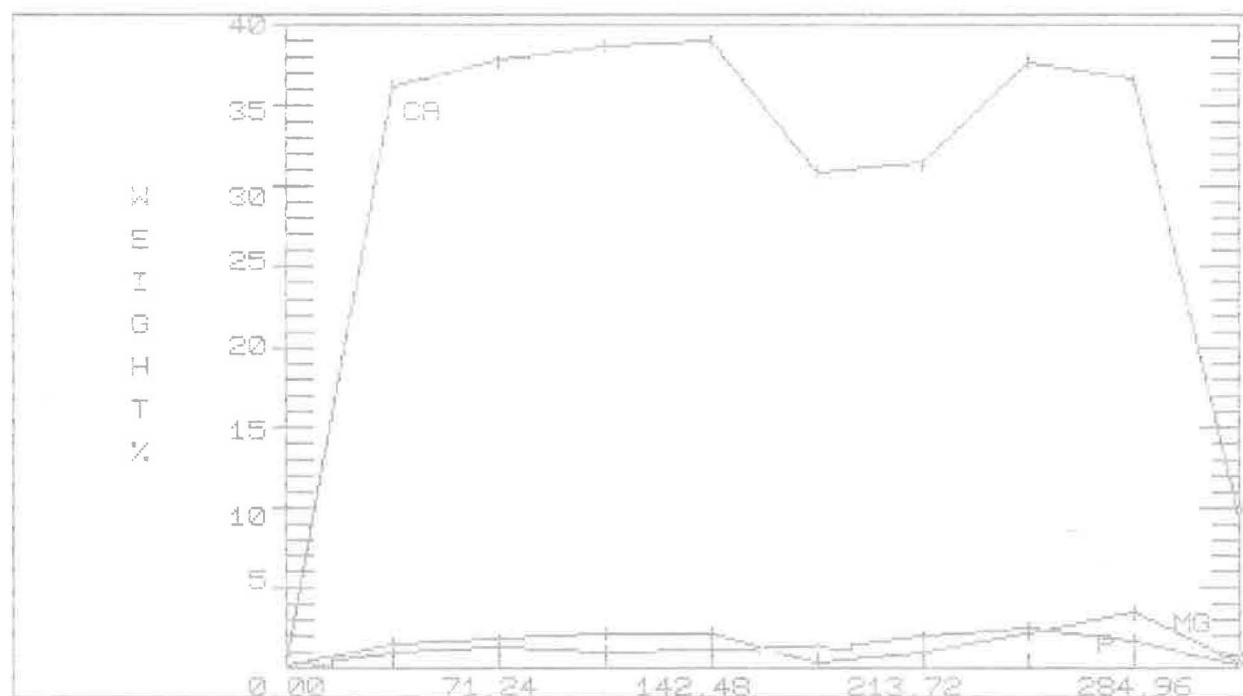
LOG OR LIN VERT. SCALE? (DEFAULT=LIN)

Y-AXIS MAX (DEFAULT=100)?40

Y-AXIS MIN (DEFAULT= 0)?

UIC: GEOLOGICAL SCIENCES

FRI 23-JAN-87 10:28



DISTANCE IN MICRONS *1E 0

DATE: 1-23-87

SAMPLE #: 91

LABEL: GL1311

ELEMENTS SORTED BY WT % AT

0.000 MICRONS

MG

CA

P

NEW PLOT USING SAME DATA FILE? N