

019372

PC-XPLOR VERSION 1.22 *** Faro Blasthole Database *** CURRAGH RESOURCES
Exploration Data Manager *** *** 8:56:29 Serial no: 20320
By GEMCOM SERVICES INC. 12/ 3/90 Page : 1

TITLE : South Phase 3570 massive
DESCRIPTION : Average Semi-variogram
FILENAME : d:\faroblas\faroblas.mex
DESCRIPTION : South Phase 3570 Bench Massive & semi-massive ores
VALUE USED : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

FILTERING SPECIFICATION

AZIMUTH : 360.000 90.000 135.000 45.000
DIP ANGLE : .000 .000 .000 .000
SPREAD ANGLE : 10.000 10.000 10.000 10.000
TOP ELEVATION : 3580.000 3580.000 3580.000 3580.000
BOTTOM ELEVATION : 3560.000 3560.000 3560.000 3560.000

1ST CLASS VALUE: .000
CLASS INTERVALS: 15.000 [feet]
UPPER CUT-OFF : 30.000
LOWER CUT-OFF : .500

SUMMARY STATISTICS

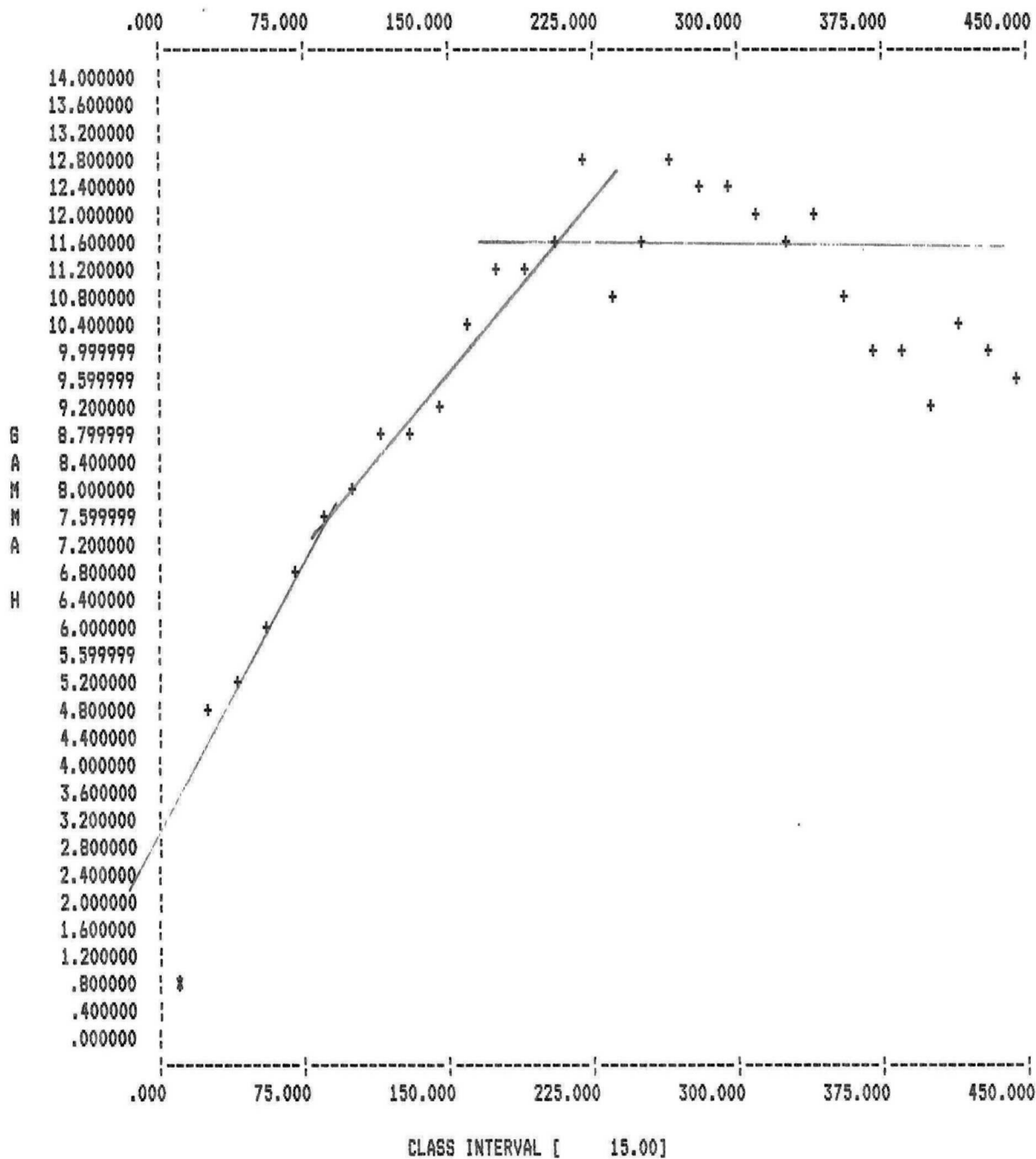
TOTAL NUMBER OF SAMPLES USED : 269
POPULATION MEAN : 7.293
STANDARD DEVIATION : 3.202
VARIANCE : 10.252

MAXIMUM NUMBER OF PAIRS AVAILABLE: 36046
TOTAL NUMBER OF SAMPLE PAIRS USED: 15617
AVERAGE DISTANCE APART : 218.318

TITLE : South Phase 3570 massive
DESCRIPTION : Average Semi-variogram
FILENAME : d:\faroblas\faroblas.mex
DESCRIPTION : South Phase 3570 Bench Massive & semi-massive ores

CLASS INTERVAL	SAMPLE				AVERAGE
FROM	TO	PAIRS	DRIFT	GAMMA(H)	LOCAL MEAN DISTANCE
.00	15.00	3	.216667	.979551	6.258334 13.94
15.00	30.00	285	-.597263	4.626532	7.262000 23.89
30.00	45.00	292	-.453767	5.211526	7.305445 40.60
45.00	60.00	326	-.931380	5.866689	7.272163 51.05
60.00	75.00	562	-1.063310	6.831725	7.331068 66.87
75.00	90.00	658	-1.135076	7.590359	7.341033 83.95
90.00	105.00	482	-1.549647	8.102237	7.407002 97.48
105.00	120.00	619	-1.265186	8.826543	7.554790 111.61
120.00	135.00	778	-1.327506	8.794033	7.479499 127.27
135.00	150.00	717	-1.449066	9.345285	7.657211 143.98
150.00	165.00	657	-1.424703	10.562579	7.584346 157.10
165.00	180.00	795	-1.686088	11.361476	7.593799 171.85
180.00	195.00	836	-1.364187	11.064996	7.635778 188.27
195.00	210.00	659	-1.601563	11.437771	7.636320 202.75
210.00	225.00	753	-1.776281	12.793022	7.515711 216.51
225.00	240.00	766	-1.170770	10.877996	7.680594 232.56
240.00	255.00	679	-1.149853	11.468061	7.649345 248.39
255.00	270.00	587	-1.591908	12.671785	7.618918 262.10
270.00	285.00	682	-.956686	12.280728	7.453548 276.86
285.00	300.00	624	-1.061250	12.520373	7.603910 293.02
300.00	315.00	548	-1.285639	12.014497	7.453093 307.45
315.00	330.00	540	-1.230648	11.753184	7.344583 321.77
330.00	345.00	525	-1.304667	11.979552	7.227343 337.28
345.00	360.00	434	-1.056912	10.977056	7.096129 352.70
360.00	375.00	374	-1.335027	10.047792	7.016631 367.39
375.00	390.00	343	-.756181	10.169463	7.016254 381.73
390.00	405.00	331	-.773142	9.198684	7.012462 397.49
405.00	420.00	290	-1.082000	10.333932	6.812345 412.59
420.00	435.00	245	-1.343061	9.997489	6.791939 426.67
435.00	450.00	227	-1.205595	9.445657	6.862709 441.98

TITLE : South Phase 3570 massive
 DESCRIPTION : Average Semi-variogram
 FILENAME : d:\faroblas\faroblas.mex
 DESCRIPTION : South Phase 3570 Bench Massive & semi-massive ores



+ INDICATES EXPERIMENTAL SEMI-VARIOGRAM
 # INDICATES LESS THAN THRESHOLD PAIRS IN CLASS
 x INDICATES SEMI-VARIOGRAM MODEL

PC-XPLOR VERSION 1.22 ***
Exploration Data Manager ***
By GENCOM SERVICES INC.

Faro Blasthole Database

CURRAGH RESOURCES
8:56:58 Serial no: 20320
12/ 3/90 Page : 4

TITLE : South Phase 3570 massive
DESCRIPTION : Semi-variogram 1 (N-S)
FILENAME : d:\faroblas\faroblas.mex
DESCRIPTION : South Phase 3570 Bench Massive & semi-massive ores
VALUE USED : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

FILTERING SPECIFICATION

AZIMUTH : 360.000
DIP ANGLE : .000
SPREAD ANGLE : 10.000
TOP ELEVATION : 3580.000
BOTTOM ELEVATION: 3560.000

1ST CLASS VALUE: .000
CLASS INTERVALS: 15.000 [feet]
UPPER CUT-OFF : 30.000
LOWER CUT-OFF : .500

SUMMARY STATISTICS

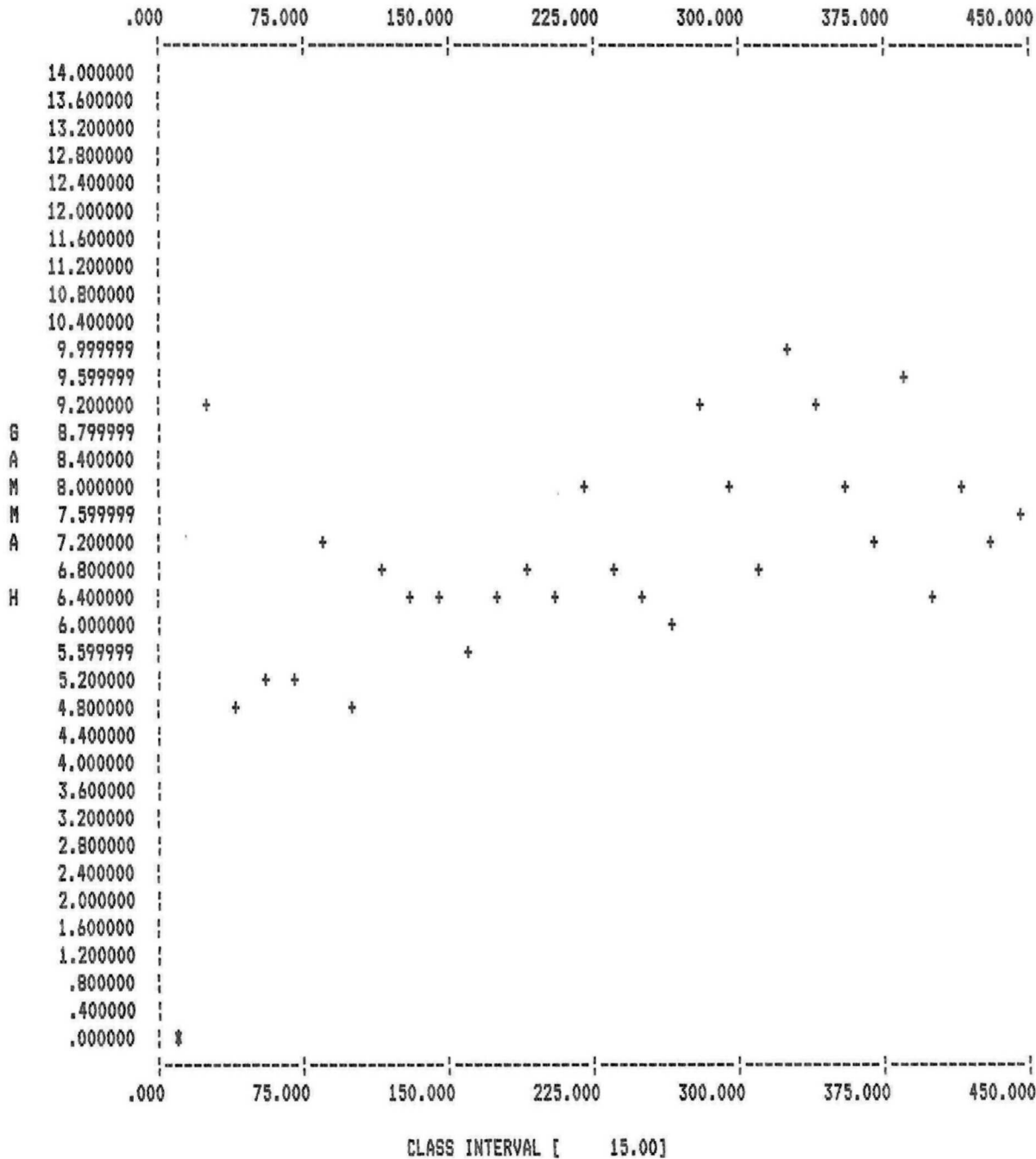
TOTAL NUMBER OF SAMPLES USED : 264
POPULATION MEAN : 7.342
STANDARD DEVIATION : 3.188
VARIANCE : 10.163

MAXIMUM NUMBER OF PAIRS AVAILABLE: 34716
TOTAL NUMBER OF SAMPLE PAIRS USED: 4245
AVERAGE DISTANCE APART : 224.767

TITLE : South Phase 3570 massive
 DESCRIPTION : Semi-variogram 1 (N-S)
 FILENAME : d:\faroblas\faroblas.mex
 DESCRIPTION : South Phase 3570 Bench Massive & semi-massive ores

CLASS INTERVAL		SAMPLE PAIRS	DRIFT	GAMMA(H)	AVERAGE	
FROM	TO				LOCAL MEAN	DISTANCE
.00	15.00	0	.000000	.000000	.000000	.00
15.00	30.00	10	-.860000	9.296941	9.102000	23.02
30.00	45.00	143	.213916	4.832963	7.113881	40.52
45.00	60.00	46	-.596087	5.138772	7.264783	52.69
60.00	75.00	140	-.192643	5.228183	7.219321	64.84
75.00	90.00	196	.052551	7.077488	7.217551	83.71
90.00	105.00	91	-.634835	4.713406	7.383791	99.79
105.00	120.00	123	.755285	6.828347	7.433415	109.50
120.00	135.00	243	.491029	6.434534	7.428436	126.75
135.00	150.00	191	.710314	6.549496	7.640916	145.53
150.00	165.00	149	.725705	5.593640	7.582517	157.19
165.00	180.00	191	.956859	6.485252	7.712618	170.28
180.00	195.00	255	1.183647	6.785699	7.811118	188.06
195.00	210.00	158	.644683	6.282461	8.028165	204.45
210.00	225.00	188	1.036011	8.138167	7.684176	215.50
225.00	240.00	275	1.061200	6.841049	7.898200	231.81
240.00	255.00	199	1.094171	6.344237	7.914774	249.44
255.00	270.00	150	.533200	5.969574	8.277733	262.59
270.00	285.00	210	1.198857	9.383037	7.812000	275.40
285.00	300.00	204	1.324755	8.102461	7.999976	293.31
300.00	315.00	158	.933734	6.902513	8.170538	308.20
315.00	330.00	140	1.349071	9.804705	8.258250	320.76
330.00	345.00	165	1.497273	9.288605	8.106515	336.73
345.00	360.00	118	2.030339	8.042410	8.377458	354.46
360.00	375.00	84	1.450119	7.213207	8.378988	366.89
375.00	390.00	114	1.710702	9.607120	8.110351	380.78
390.00	405.00	106	1.709528	6.393549	8.337217	398.32
405.00	420.00	73	1.045068	7.999979	8.023082	414.20
420.00	435.00	55	1.104727	7.212377	8.509818	424.72
435.00	450.00	70	.769143	7.501893	8.543714	440.93

TITLE : South Phase 3570 massive
 DESCRIPTION : Semi-variogram 1 (N-S)
 FILENAME : d:\faroblas\faroblas.mex
 DESCRIPTION : South Phase 3570 Bench Massive & semi-massive ores



+ INDICATES EXPERIMENTAL SEMI-VARIOGRAM
 # INDICATES LESS THAN THRESHOLD PAIRS IN CLASS
 x INDICATES SEMI-VARIOGRAM MODEL

TITLE : South Phase 3570 massive
DESCRIPTION : Semi-variogram 2 (E-W)
FILENAME : d:\faroblas\faroblas.mex
DESCRIPTION : South Phase 3570 Bench Massive & semi-massive ores
VALUE USED : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

FILTERING SPECIFICATION

AZIMUTH : 90.000
DIP ANGLE : .000
SPREAD ANGLE : 10.000
TOP ELEVATION : 3580.000
BOTTOM ELEVATION: 3560.000

1ST CLASS VALUE: .000
CLASS INTERVALS: 15.000 [feet]
UPPER CUT-OFF : 30.000
LOWER CUT-OFF : .500

SUMMARY STATISTICS

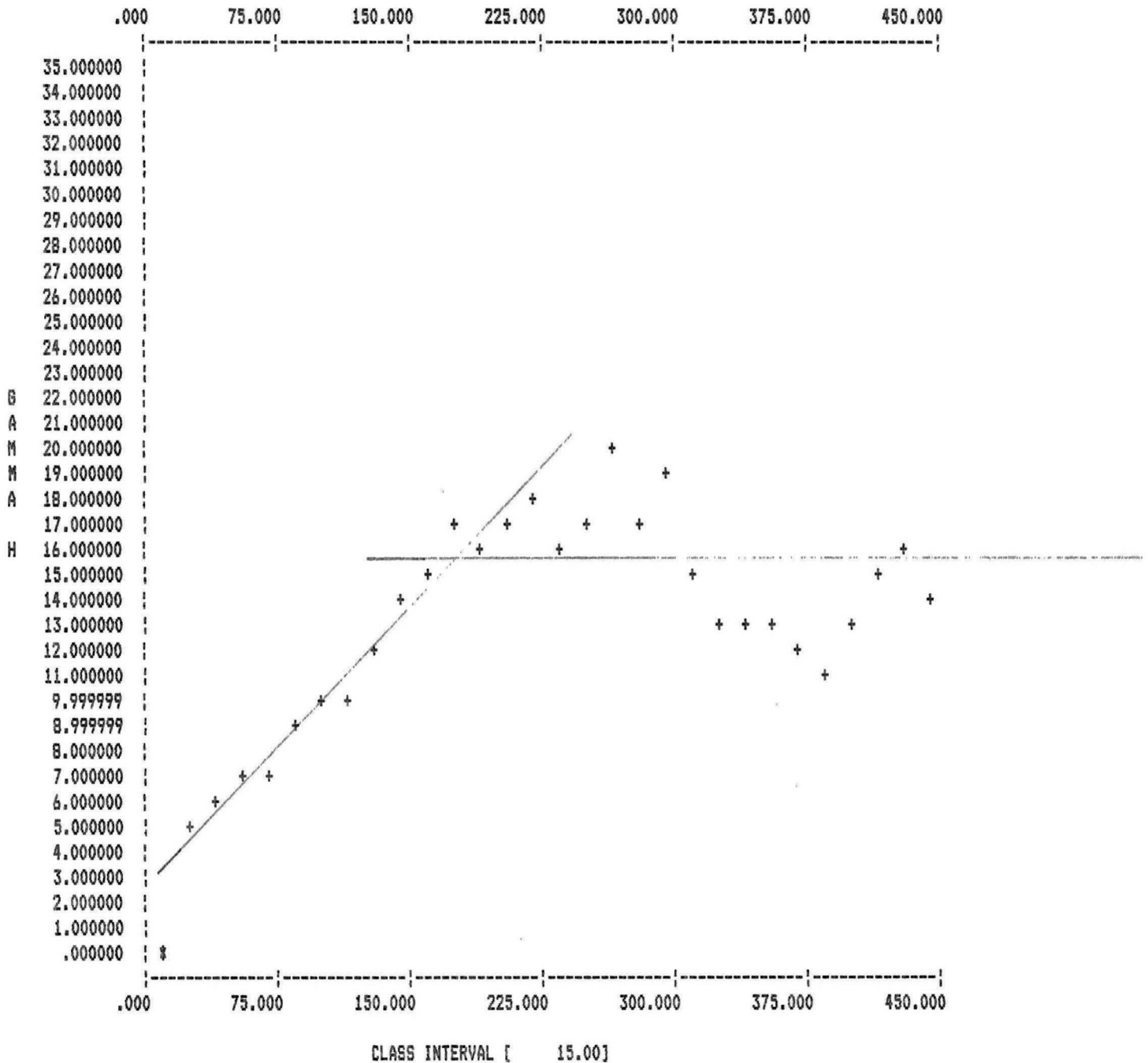
TOTAL NUMBER OF SAMPLES USED : 267
POPULATION MEAN : 7.297
STANDARD DEVIATION : 3.213
VARIANCE : 10.321

MAXIMUM NUMBER OF PAIRS AVAILABLE: 35511
TOTAL NUMBER OF SAMPLE PAIRS USED: 3755
AVERAGE DISTANCE APART : 219.537

TITLE : South Phase 3570 massive
 DESCRIPTION : Semi-variogram 2 (E-W)
 FILENAME : d:\faroblas\faroblas.mex
 DESCRIPTION : South Phase 3570 Bench Massive & semi-massive ores

CLASS INTERVAL		SAMPLE PAIRS	DRIFT	GAMMA(H)	AVERAGE	
FROM	TO				LOCAL MEAN	DISTANCE
.00	15.00	0	.000000	.000000	.000000	.00
15.00	30.00	152	-.718092	4.932950	7.248717	23.98
30.00	45.00	39	-1.600513	6.314652	7.649487	41.42
45.00	60.00	129	-1.100310	6.618615	7.147519	50.16
60.00	75.00	119	-1.862857	7.389586	7.378824	70.16
75.00	90.00	130	-1.916769	9.155859	7.454462	83.43
90.00	105.00	143	-2.290490	10.106777	7.199161	96.55
105.00	120.00	164	-2.023659	10.061599	7.633963	112.35
120.00	135.00	148	-2.579392	12.259504	7.477601	127.42
135.00	150.00	157	-2.758599	13.703180	7.670764	142.39
150.00	165.00	175	-2.246057	14.819850	7.813257	157.21
165.00	180.00	198	-2.691465	16.847396	7.787248	173.23
180.00	195.00	157	-2.341975	15.573171	7.739777	188.53
195.00	210.00	150	-2.720400	17.042399	7.521867	201.98
210.00	225.00	160	-2.951187	18.307138	7.694781	217.43
225.00	240.00	132	-2.537121	16.112182	7.600152	232.76
240.00	255.00	150	-2.611000	17.263720	7.594167	247.23
255.00	270.00	148	-2.075270	19.511634	7.592027	262.60
270.00	285.00	148	-1.153919	16.612966	7.665676	277.92
285.00	300.00	126	-1.828095	19.127515	7.580873	292.89
300.00	315.00	132	-1.465151	15.245493	7.379849	307.16
315.00	330.00	127	-1.360157	13.080167	7.156929	323.04
330.00	345.00	118	-1.951695	12.596220	6.819153	338.02
345.00	360.00	109	-1.748807	12.536628	6.654495	351.61
360.00	375.00	111	-2.240270	11.995739	6.578604	367.94
375.00	390.00	75	-1.826000	10.879839	6.205267	382.69
390.00	405.00	97	-2.701134	13.341375	6.027990	396.79
405.00	420.00	105	-2.512095	14.998624	5.960524	412.05
420.00	435.00	88	-3.381477	15.978515	5.639261	427.90
435.00	450.00	68	-3.502794	14.401614	5.315662	441.87

TITLE : South Phase 3570 massive
 DESCRIPTION : Semi-variogram 2 (E-W)
 FILENAME : d:\faroblas\faroblas.mex
 DESCRIPTION : South Phase 3570 Bench Massive & semi-massive ores



+ INDICATES EXPERIMENTAL SEMI-VARIOGRAM
 * INDICATES LESS THAN THRESHOLD PAIRS IN CLASS
 x INDICATES SEMI-VARIOGRAM MODEL

PC-XPLOR VERSION 1.22 ***
Exploration Data Manager ***
By GENCOM SERVICES INC.

Faro Blasthole Database

*** CURRAGH RESOURCES
*** B:58:45 Serial no: 20320
12/ 3/90 Page : 10

TITLE : South Phase 3570 massive
DESCRIPTION : Semi-variogram 3 (SE-NW)
FILENAME : d:\faroblas\faroblas.mex
DESCRIPTION : South Phase 3570 Bench Massive & semi-massive ores
VALUE USED : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

FILTERING SPECIFICATION

AZIMUTH : 135.000
DIP ANGLE : .000
SPREAD ANGLE : 10.000
TOP ELEVATION : 3580.000
BOTTOM ELEVATION: 3560.000

1ST CLASS VALUE: .000
CLASS INTERVALS: 15.000 [feet]
UPPER CUT-OFF : 30.000
LOWER CUT-OFF : .500

SUMMARY STATISTICS

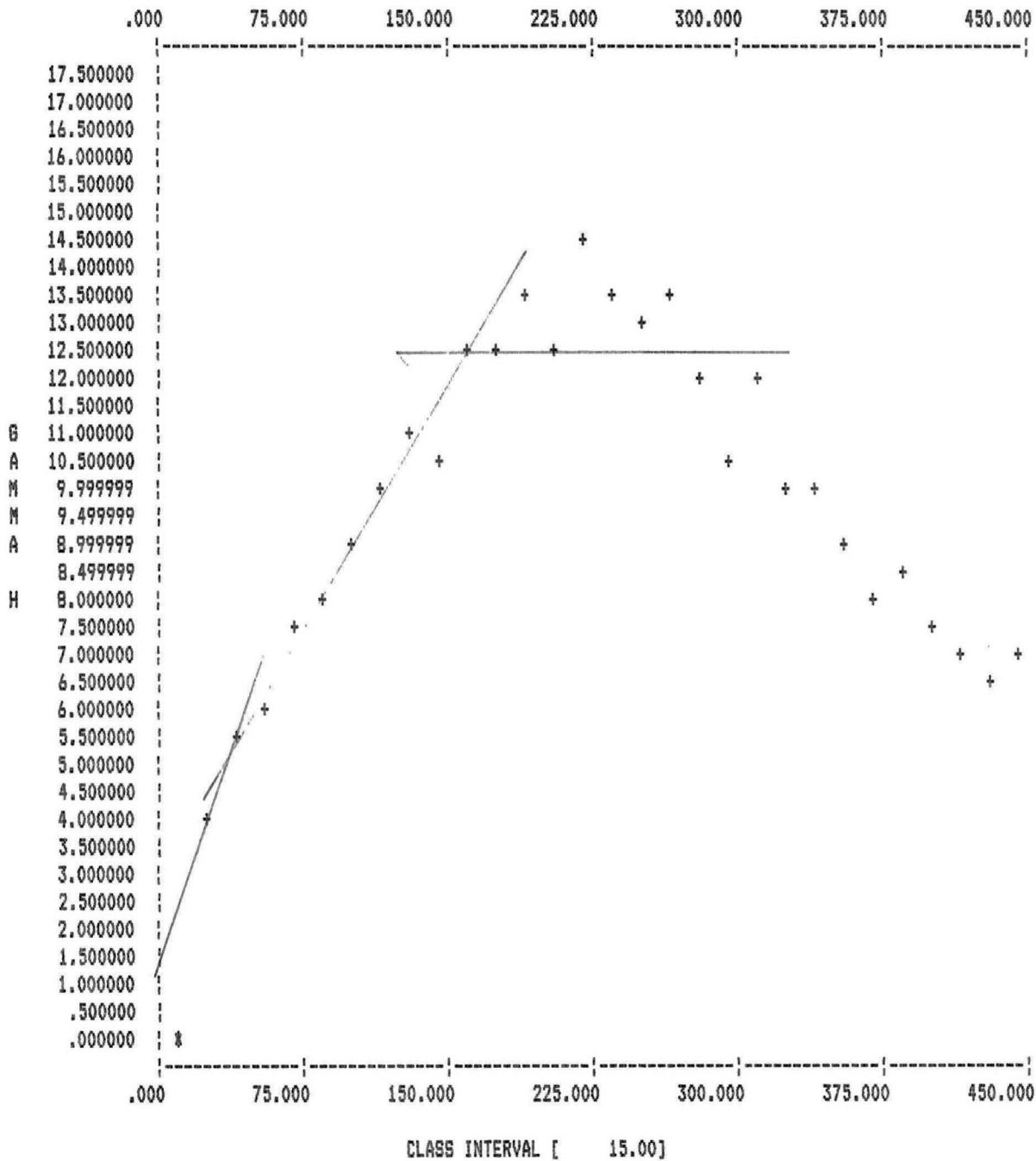
TOTAL NUMBER OF SAMPLES USED : 269
POPULATION MEAN : 7.293
STANDARD DEVIATION : 3.202
VARIANCE : 10.252

MAXIMUM NUMBER OF PAIRS AVAILABLE: 36046
TOTAL NUMBER OF SAMPLE PAIRS USED: 4588
AVERAGE DISTANCE APART : 231.241

TITLE : South Phase 3570 massive
 DESCRIPTION : Semi-variogram 3 (SE-NW)
 FILENAME : d:\faroblas\faroblas.mex
 DESCRIPTION : South Phase 3570 Bench Massive & semi-massive ores

CLASS INTERVAL		SAMPLE PAIRS	DRIFT	GAMMA(H)	AVERAGE	
FROM	TO				LOCAL MEAN	DISTANCE
.00	15.00	1	.020000	.000200	2.490000	14.44
15.00	30.00	110	-.394727	4.015935	7.069818	24.05
30.00	45.00	22	-1.335909	5.667534	7.133864	41.40
45.00	60.00	108	-1.056944	5.873108	7.479861	50.56
60.00	75.00	162	-1.168457	7.458581	7.585278	67.80
75.00	90.00	153	-1.490000	8.049148	7.938203	84.12
90.00	105.00	126	-1.392143	9.210862	7.832738	96.39
105.00	120.00	172	-1.745639	10.019541	7.902413	112.40
120.00	135.00	191	-2.268586	11.068395	7.796440	127.54
135.00	150.00	197	-2.164721	10.268314	7.915914	143.30
150.00	165.00	190	-2.315895	12.432978	7.796158	156.76
165.00	180.00	193	-2.422124	12.556523	7.884586	172.35
180.00	195.00	234	-2.616410	13.518145	7.894786	187.87
195.00	210.00	189	-2.318254	12.700979	7.938862	202.31
210.00	225.00	216	-2.451713	14.282404	7.768727	216.85
225.00	240.00	199	-1.995678	13.517314	7.957538	233.25
240.00	255.00	198	-1.600404	13.189814	7.723990	248.30
255.00	270.00	176	-2.163750	13.440460	7.645682	262.06
270.00	285.00	192	-1.484948	12.086195	7.417839	277.50
285.00	300.00	180	-1.447889	10.413786	7.511611	292.85
300.00	315.00	167	-1.862874	12.102399	7.392515	307.09
315.00	330.00	190	-1.628895	9.926577	7.126132	322.02
330.00	345.00	159	-1.896541	10.220367	6.957327	338.01
345.00	360.00	154	-1.561883	9.248029	6.708084	352.28
360.00	375.00	151	-1.416755	8.014458	6.768907	367.34
375.00	390.00	139	-1.645108	8.681424	6.691115	382.23
390.00	405.00	120	-1.013833	7.382590	6.751167	397.43
405.00	420.00	108	-.904444	6.757179	6.858056	412.13
420.00	435.00	102	-.904314	6.339164	6.860098	426.67
435.00	450.00	89	-1.003596	7.187886	6.722584	442.90

TITLE : South Phase 3570 massive
 DESCRIPTION : Semi-variogram 3 (SE-NW)
 FILENAME : d:\faroblas\faroblas.mex
 DESCRIPTION : South Phase 3570 Bench Massive & semi-massive ores



+ INDICATES EXPERIMENTAL SEMI-VARIOGRAM
 * INDICATES LESS THAN THRESHOLD PAIRS IN CLASS
 x INDICATES SEMI-VARIOGRAM MODEL

PC-XPLOR VERSION 1.22 ***
Exploration Data Manager ***
By GENCOM SERVICES INC.

Faro Blasthole Database

*** CURRAGH RESOURCES
*** 8:59:59 Serial no: 20320
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TITLE : South Phase 3570 massive
DESCRIPTION : Semi-variogram 4 (NE-SW)
FILENAME : d:\faroblas\faroblas.mex
DESCRIPTION : South Phase 3570 Bench Massive & semi-massive ores
VALUE USED : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

FILTERING SPECIFICATION

AZINUTH : 45.000
DIP ANGLE : .000
SPREAD ANGLE : 10.000
TOP ELEVATION : 3580.000
BOTTOM ELEVATION: 3560.000

1ST CLASS VALUE: .000
CLASS INTERVALS: 15.000 [feet]
UPPER CUT-OFF : 30.000
LOWER CUT-OFF : .500

SUMMARY STATISTICS

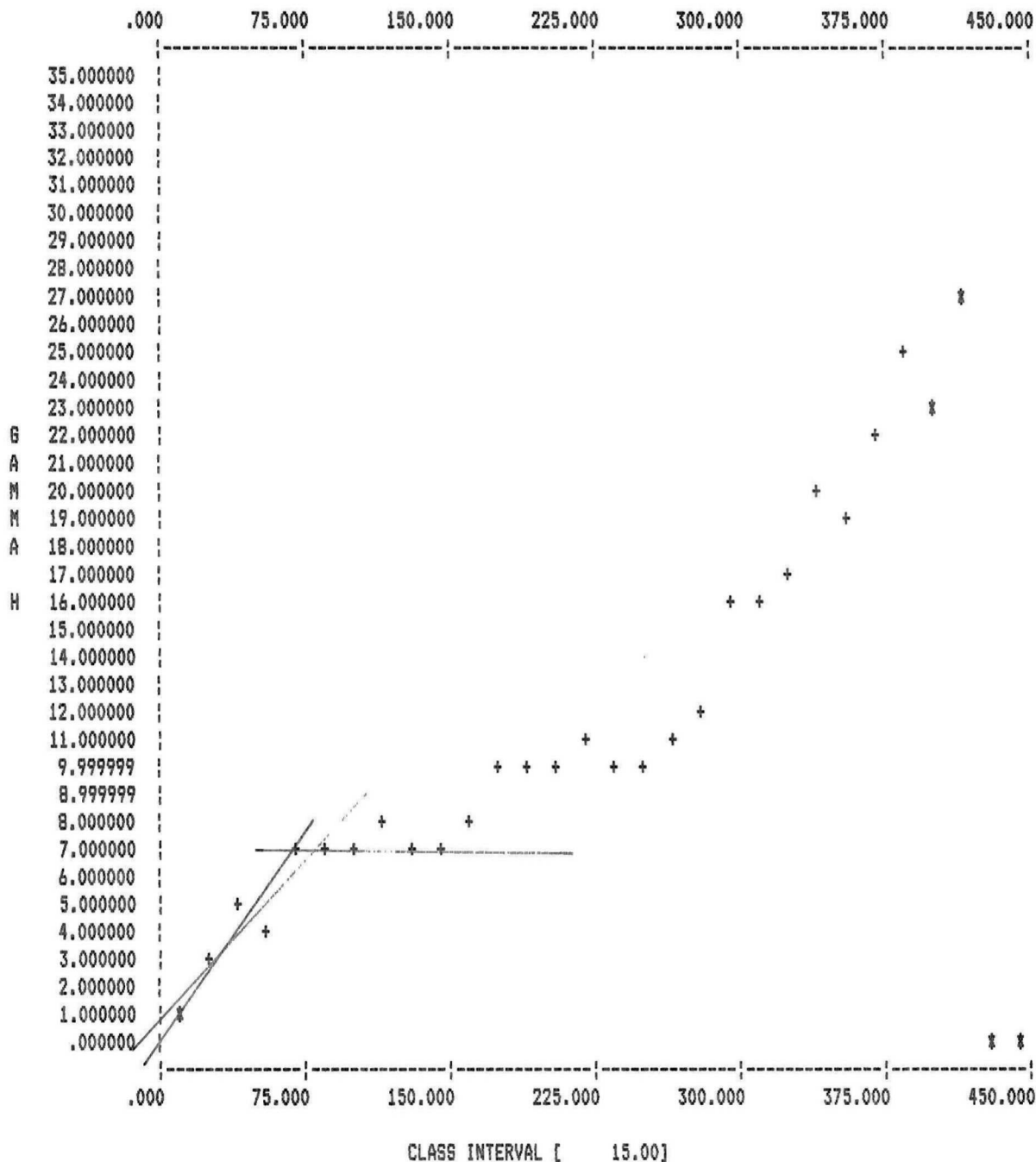
TOTAL NUMBER OF SAMPLES USED : 265
POPULATION MEAN : 7.321
STANDARD DEVIATION : 3.199
VARIANCE : 10.236

MAXIMUM NUMBER OF PAIRS AVAILABLE: 34980
TOTAL NUMBER OF SAMPLE PAIRS USED: 3029
AVERAGE DISTANCE APART : 188.195

TITLE : South Phase 3570 massive
 DESCRIPTION : Semi-variogram 4 (NE-SW)
 FILENAME : d:\faroblas\faroblas.mex
 DESCRIPTION : South Phase 3570 Bench Massive & semi-massive ores

CLASS INTERVAL		SAMPLE PAIRS	DRIFT	GAMMA(H)	AVERAGE	
FROM	TO				LOCAL MEAN	DISTANCE
.00	15.00	2	.315000	1.469226	8.142500	13.69
15.00	30.00	13	-.696154	2.617765	7.628077	22.24
30.00	45.00	88	-.810000	5.223803	7.507159	40.18
45.00	60.00	43	-.467907	4.373493	7.132326	53.21
60.00	75.00	141	-1.132199	7.232857	7.109645	65.04
75.00	90.00	179	-1.564413	6.622835	6.883436	84.45
90.00	105.00	122	-1.526312	7.135415	7.228238	97.97
105.00	120.00	160	-1.524500	7.814253	7.193250	111.63
120.00	135.00	196	-1.719745	6.886205	7.235383	127.56
135.00	150.00	172	-1.831977	7.414873	7.366628	144.48
150.00	165.00	143	-1.476084	8.044911	7.024685	157.32
165.00	180.00	213	-2.454554	9.551631	7.043944	171.53
180.00	195.00	190	-2.433474	10.061843	6.995526	188.82
195.00	210.00	162	-1.920247	9.802576	7.007161	202.33
210.00	225.00	189	-2.807143	11.053065	6.907381	216.34
225.00	240.00	160	-2.853750	10.215646	7.028500	232.83
240.00	255.00	132	-2.196667	10.024009	7.199924	248.25
255.00	270.00	113	-2.889115	11.412909	6.737920	260.86
270.00	285.00	132	-3.396439	12.316290	6.697386	277.03
285.00	300.00	114	-3.872895	16.449669	7.066360	292.88
300.00	315.00	91	-3.819341	16.042213	6.424835	307.25
315.00	330.00	83	-4.472169	17.190720	6.590663	320.94
330.00	345.00	83	-4.821084	19.822324	6.577169	335.92
345.00	360.00	53	-5.040189	19.327339	6.279151	352.27
360.00	375.00	28	-5.661072	21.794813	6.001964	366.98
375.00	390.00	15	-5.918000	24.680558	5.769000	379.42
390.00	405.00	8	-6.681250	23.378005	5.315625	395.67
405.00	420.00	4	-7.155000	27.052750	5.842500	409.94
420.00	435.00	0	.000000	.000000	.000000	.00
435.00	450.00	0	.000000	.000000	.000000	.00

TITLE : South Phase 3570 massive
 DESCRIPTION : Semi-variogram 4 (NE-SW)
 FILENAME : d:\faroblas\faroblas.mex
 DESCRIPTION : South Phase 3570 Bench Massive & semi-massive ores



+ INDICATES EXPERIMENTAL SEMI-VARIOGRAM
 * INDICATES LESS THAN THRESHOLD PAIRS IN CLASS
 x INDICATES SEMI-VARIOGRAM MODEL