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PC-XPLOR VERSION 1.22   ***           Faro Blasthole Database           ***           CURRAGH RESOURCES
Exploration Data Manager ***           ***           11: 5:49   Serial no: 20320
By GENCOM SERVICES INC.           ***           12/ 3/90   Page : 1

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TITLE       : Massive & Semi-Massive
DESCRIPTION : Average Semi-variogram
FILENAME    : d:\faroblas\faroblas.mex
DESCRIPTION : South and Ramp Phases,3570-3530, massive & semi-massive
VALUE USED  : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

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FILTERING SPECIFICATION

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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: 3520.000  3520.000  3520.000  3520.000

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

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SUMMARY STATISTICS

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TOTAL NUMBER OF SAMPLES USED : 1266
POPULATION MEAN : 6.475
STANDARD DEVIATION : 3.010
VARIANCE : 9.061

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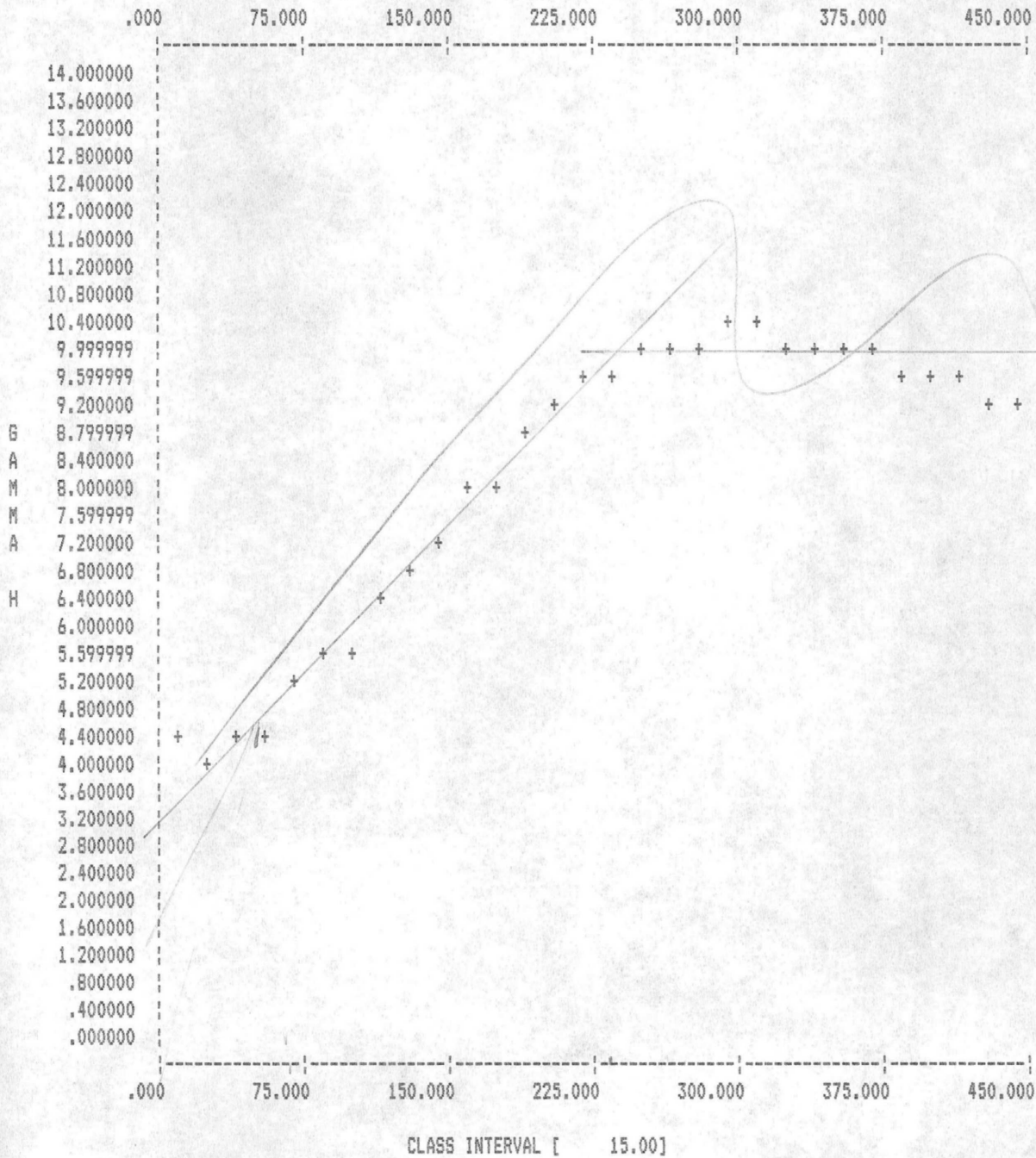
MAXIMUM NUMBER OF PAIRS AVAILABLE: 800745
TOTAL NUMBER OF SAMPLE PAIRS USED: 204307
AVERAGE DISTANCE APART : 267.493

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TITLE : Massive & Semi-Massive  
DESCRIPTION : Average Semi-variogram  
FILENAME : d:\faroblas\faroblas.mex  
DESCRIPTION : South and Ramp Phases,3570-3530, massive & semi-massive

CLASS INTERVAL		SAMPLE PAIRS	DRIFT	GAMMA(H)	AVERAGE	
FROM	TO				LOCAL MEAN	DISTANCE
.00	15.00	57	-.358772	4.347023	5.707281	10.99
15.00	30.00	1058	-.307684	3.960966	6.540997	23.02
30.00	45.00	1539	-.335432	4.245866	6.074298	39.70
45.00	60.00	1901	-.454171	4.553547	6.020200	52.19
60.00	75.00	2671	-.636492	5.039914	6.088531	67.09
75.00	90.00	3143	-.731123	5.609733	6.102237	83.13
90.00	105.00	3052	-.920793	5.666163	6.015894	97.86
105.00	120.00	3549	-1.070938	6.484956	6.074641	112.66
120.00	135.00	5843	-1.322894	6.921488	6.100829	127.78
135.00	150.00	6703	-1.466017	7.156802	6.126131	142.89
150.00	165.00	7299	-1.592504	7.866354	6.116406	157.47
165.00	180.00	8127	-1.752254	8.156486	6.169052	172.41
180.00	195.00	8592	-1.778900	8.706782	6.245158	187.71
195.00	210.00	8667	-1.900981	9.054653	6.241121	202.58
210.00	225.00	9030	-1.985497	9.473354	6.281157	217.37
225.00	240.00	9489	-1.940705	9.477886	6.333839	232.59
240.00	255.00	10047	-1.930573	9.872866	6.399096	247.68
255.00	270.00	10152	-1.975555	10.095974	6.443464	262.49
270.00	285.00	10405	-1.891565	10.156692	6.471887	277.41
285.00	300.00	10339	-1.895022	10.238423	6.520350	292.55
300.00	315.00	10098	-1.861328	10.205306	6.561133	307.53
315.00	330.00	9710	-1.752040	9.999697	6.582811	322.36
330.00	345.00	9496	-1.657813	9.991392	6.640532	337.34
345.00	360.00	8939	-1.501815	9.832401	6.626098	352.50
360.00	375.00	8362	-1.419000	9.862041	6.681034	367.46
375.00	390.00	7940	-1.347824	9.669252	6.713723	382.39
390.00	405.00	7643	-1.365893	9.607557	6.739986	397.42
405.00	420.00	7197	-1.357998	9.431809	6.743641	412.44
420.00	435.00	6816	-1.411812	9.154856	6.776943	427.42
435.00	450.00	6443	-1.442187	9.171780	6.820519	442.44

TITLE : Massive & Semi-Massive  
 DESCRIPTION : Average Semi-variogram  
 FILENAME : d:\faroblas\faroblas.mex  
 DESCRIPTION : South and Ramp Phases,3570-3530, massive & semi-massive



+ 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 GEMCOM SERVICES INC.

Faro Blasthole Database

\*\*\* CURRAGH RESOURCES  
\*\*\* 11: 6: 4 Serial no: 20320  
12/ 3/90 Page : 4

TITLE : Massive & Semi-Massive  
DESCRIPTION : Semi-variogram 1 (N-S )  
FILENAME : d:\faroblas\faroblas.mex  
DESCRIPTION : South and Ramp Phases,3570-3530, massive & semi-massive  
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: 3520.000

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

SUMMARY STATISTICS

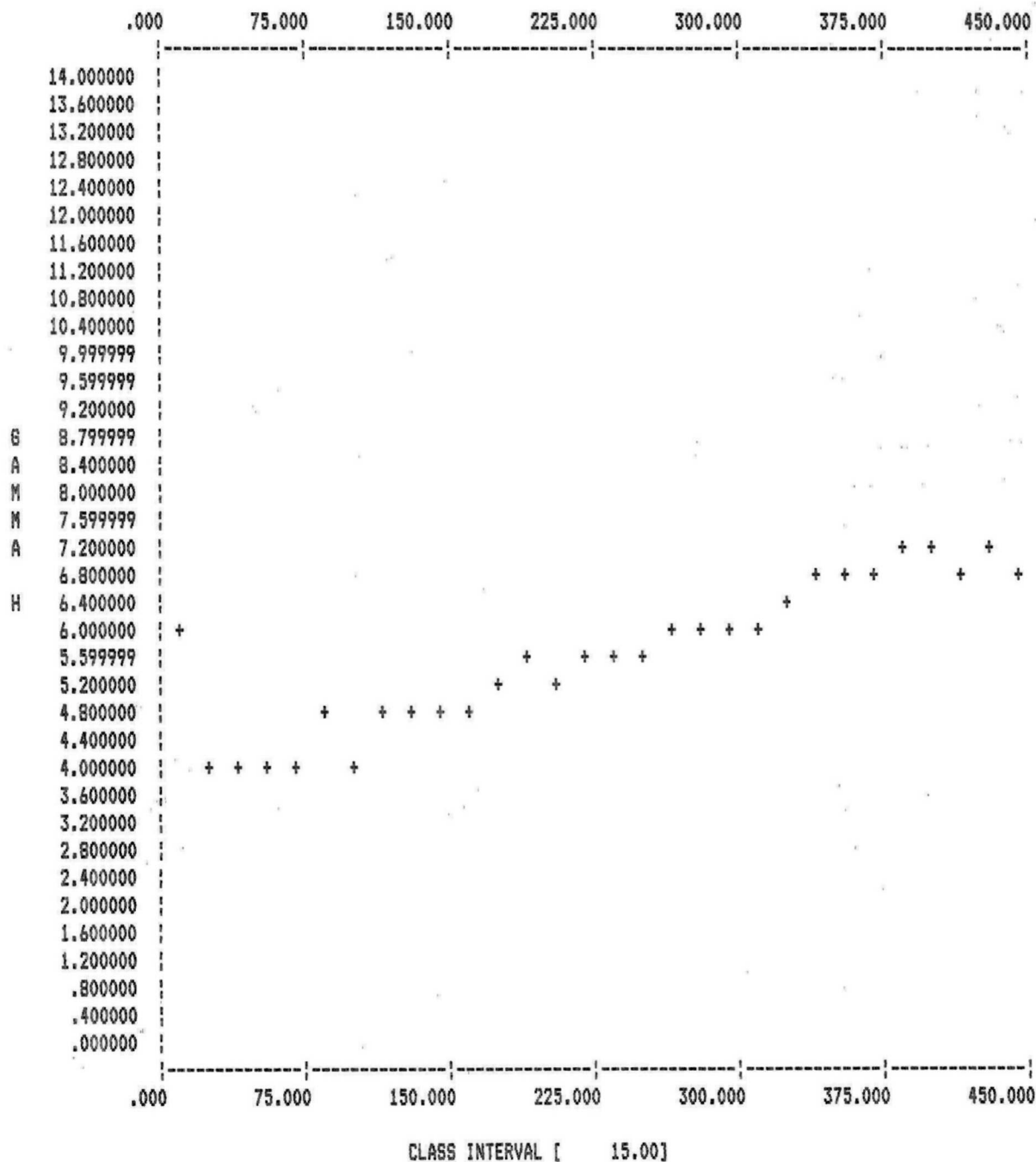
TOTAL NUMBER OF SAMPLES USED : 1261  
POPULATION MEAN : 6.477  
STANDARD DEVIATION : 3.015  
VARIANCE : 9.093

MAXIMUM NUMBER OF PAIRS AVAILABLE: 794430  
TOTAL NUMBER OF SAMPLE PAIRS USED: 63127  
AVERAGE DISTANCE APART : 276.878

TITLE : Massive & Semi-Massive  
 DESCRIPTION : Semi-variogram 1 (N-S )  
 FILENAME : d:\faroblas\faroblas.mex  
 DESCRIPTION : South and Ramp Phases,3570-3530, massive & semi-massive

CLASS INTERVAL		SAMPLE PAIRS	DRIFT	GAMMA(H)	AVERAGE	
FROM	TO				LOCAL MEAN	DISTANCE
.00	15.00	18	-.200000	5.858033	5.919444	11.70
15.00	30.00	171	.002515	4.007917	6.182018	22.33
30.00	45.00	468	-.208632	3.985230	6.160833	39.89
45.00	60.00	406	-.258645	4.136271	5.838584	52.70
60.00	75.00	722	-.329141	4.189182	6.002936	66.87
75.00	90.00	812	-.169581	4.673688	6.150702	83.43
90.00	105.00	723	-.494758	3.871134	5.849772	98.13
105.00	120.00	910	-.231418	4.615641	5.946698	112.48
120.00	135.00	1543	-.234712	4.952048	6.117602	127.84
135.00	150.00	1728	-.141701	4.866270	6.072396	142.97
150.00	165.00	1937	-.294894	4.916492	6.087566	157.54
165.00	180.00	2181	-.261325	5.073893	6.063551	172.34
180.00	195.00	2445	-.083190	5.504885	6.159800	187.74
195.00	210.00	2454	-.153138	5.197333	6.164711	202.91
210.00	225.00	2630	-.090905	5.423759	6.107460	217.27
225.00	240.00	2941	-.051836	5.543760	6.199876	232.50
240.00	255.00	3165	-.016866	5.598728	6.214297	247.87
255.00	270.00	3159	-.042216	5.800214	6.197667	262.60
270.00	285.00	3396	.092789	6.078487	6.165749	277.24
285.00	300.00	3501	.123730	6.089396	6.207075	292.54
300.00	315.00	3362	.150628	6.077313	6.256727	307.66
315.00	330.00	3306	.191367	6.466330	6.283627	322.34
330.00	345.00	3314	.235604	6.616876	6.400445	337.29
345.00	360.00	3106	.387205	6.992096	6.415000	352.70
360.00	375.00	2873	.491660	6.993151	6.464671	367.36
375.00	390.00	2767	.480614	7.089168	6.482830	382.21
390.00	405.00	2631	.534455	7.005530	6.551587	397.49
405.00	420.00	2297	.512264	6.984513	6.443650	412.49
420.00	435.00	2140	.469958	7.107792	6.564063	427.25
435.00	450.00	2021	.430485	6.899499	6.619552	442.33

TITLE : Massive & Semi-Massive  
 DESCRIPTION : Semi-variogram 1 (N-S )  
 FILENAME : d:\faroblas\faroblas.mex  
 DESCRIPTION : South and Ramp Phases,3570-3530, massive & semi-massive



+ 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 GEMCOM SERVICES INC.

Faro Blasthole Database

\*\*\* CURRAGH RESOURCES  
\*\*\* 11: 7:30 Serial no: 20320  
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TITLE : Massive & Semi-Massive  
DESCRIPTION : Semi-variogram 2 (E-W )  
FILENAME : d:\faroblas\faroblas.mex  
DESCRIPTION : South and Ramp Phases,3570-3530, massive & semi-massive  
VALUE USED : REAL VALUE  
TRANSFORMATION : REAL VALUE  
NORMALIZATION : NONE

FILTERING SPECIFICATION

AZINUTH : 90.000  
DIP ANGLE : .000  
SPREAD ANGLE : 10.000  
TOP ELEVATION : 3580.000  
BOTTOM ELEVATION: 3520.000

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

SUMMARY STATISTICS

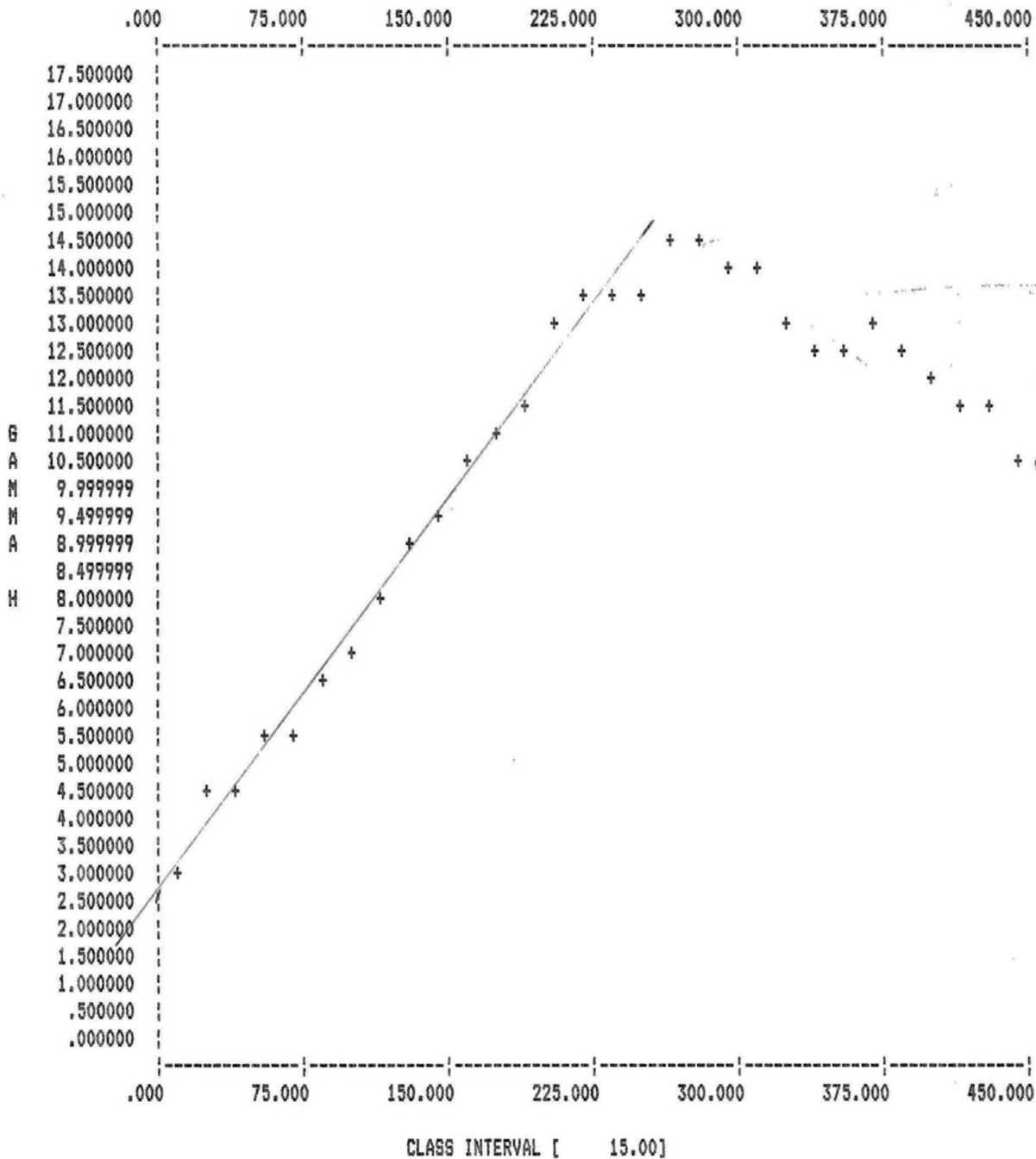
TOTAL NUMBER OF SAMPLES USED : 1263  
POPULATION MEAN : 6.466  
STANDARD DEVIATION : 3.007  
VARIANCE : 9.042

MAXIMUM NUMBER OF PAIRS AVAILABLE: 796953  
TOTAL NUMBER OF SAMPLE PAIRS USED: 41443  
AVERAGE DISTANCE APART : 259.464

TITLE : Massive & Semi-Massive  
 DESCRIPTION : Semi-variogram 2 (E-W )  
 FILENAME : d:\faroblas\faroblas.mex  
 DESCRIPTION : South and Ramp Phases,3570-3530, massive & semi-massive

CLASS INTERVAL		SAMPLE PAIRS	DRIFT	GAMMA(H)	AVERAGE	
FROM	TO				LOCAL MEAN	DISTANCE
.00	15.00	9	.486667	2.875600	5.723333	7.17
15.00	30.00	406	-.434433	4.348101	6.635419	23.00
30.00	45.00	333	-.573514	4.626484	5.733874	40.28
45.00	60.00	512	-.597363	5.367743	5.941592	51.88
60.00	75.00	681	-.978209	5.468426	6.114552	67.86
75.00	90.00	702	-1.177151	6.523267	6.061638	83.41
90.00	105.00	751	-1.484727	7.078989	6.104015	97.47
105.00	120.00	900	-1.758256	8.033409	6.171972	112.73
120.00	135.00	1368	-2.079539	8.837671	6.140713	127.81
135.00	150.00	1614	-2.397100	9.453152	6.162813	142.62
150.00	165.00	1713	-2.533865	10.542810	6.225952	157.60
165.00	180.00	1832	-2.734809	11.041972	6.293414	172.55
180.00	195.00	1833	-2.821800	11.732226	6.413377	187.71
195.00	210.00	1841	-3.120674	12.876600	6.402488	202.40
210.00	225.00	1862	-3.277857	13.392421	6.572983	217.44
225.00	240.00	1858	-3.235398	13.458139	6.601768	232.64
240.00	255.00	1893	-3.278457	13.650269	6.694369	247.48
255.00	270.00	1909	-3.459356	14.448628	6.790196	262.40
270.00	285.00	1826	-3.453888	14.633057	6.907295	277.52
285.00	300.00	1779	-3.340011	14.171807	6.898370	292.37
300.00	315.00	1818	-3.266287	13.948495	6.907164	307.48
315.00	330.00	1701	-2.962687	13.157955	6.899421	322.51
330.00	345.00	1706	-2.720528	12.745689	6.888195	337.42
345.00	360.00	1640	-2.486348	12.462306	6.833284	352.34
360.00	375.00	1572	-2.630102	13.248485	6.832723	367.55
375.00	390.00	1475	-2.288820	12.507973	6.861237	382.54
390.00	405.00	1486	-2.450653	12.139816	6.765777	397.41
405.00	420.00	1520	-2.409888	11.362909	6.791010	412.45
420.00	435.00	1479	-2.345565	11.440864	6.817184	427.57
435.00	450.00	1424	-2.392149	10.389730	6.868069	442.42

TITLE : Massive & Semi-Massive  
 DESCRIPTION : Semi-variogram 2 (E-W )  
 FILENAME : d:\faroblas\faroblas.mex  
 DESCRIPTION : South and Ramp Phases,3570-3530, massive & semi-massive



+ 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 GEMCOM SERVICES INC.

Faro Blasthole Database

\*\*\* CURRAGH RESOURCES  
\*\*\* 11: 8: 1 Serial no: 20320  
12/ 3/90 Page : 10

TITLE : Massive & Semi-Massive  
DESCRIPTION : Semi-variogram 3 (SE-NW )  
FILENAME : d:\faroblas\faroblas.mex  
DESCRIPTION : South and Ramp Phases,3570-3530, massive & semi-massive  
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: 3520.000

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

SUMMARY STATISTICS

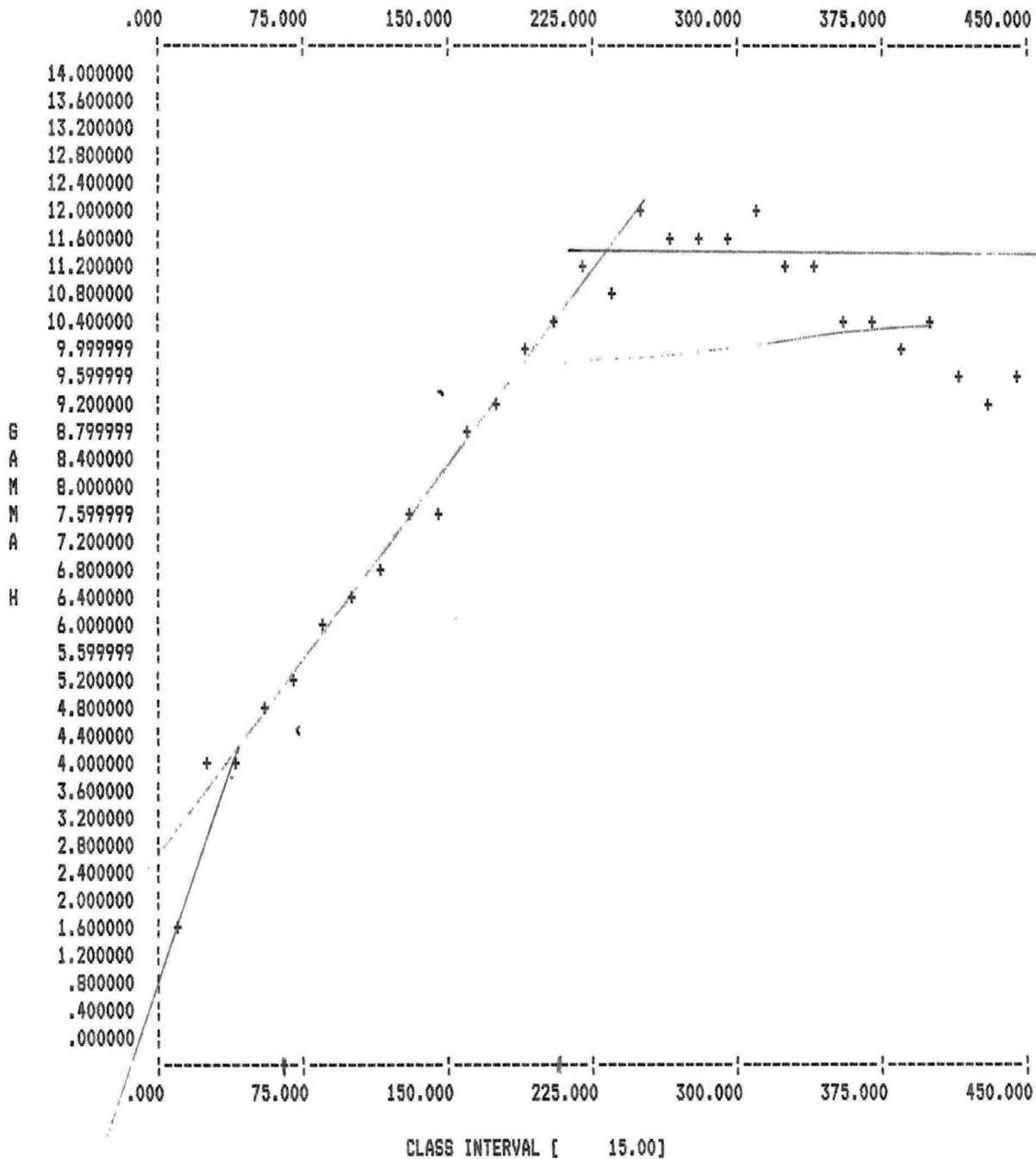
TOTAL NUMBER OF SAMPLES USED : 1262  
POPULATION MEAN : 6.466  
STANDARD DEVIATION : 3.005  
VARIANCE : 9.028

MAXIMUM NUMBER OF PAIRS AVAILABLE: 795691  
TOTAL NUMBER OF SAMPLE PAIRS USED: 54372  
AVERAGE DISTANCE APART : 274.413

TITLE : Massive & Semi-Massive  
 DESCRIPTION : Semi-variogram 3 (SE-NW )  
 FILENAME : d:\faroblas\faroblas.mex  
 DESCRIPTION : South and Ramp Phases,3570-3530, massive & semi-massive

CLASS INTERVAL		SAMPLE PAIRS	DRIFT	GAMMA(H)	AVERAGE	
FROM	TO				LOCAL MEAN	DISTANCE
.00	15.00	19	-.997895	1.617547	4.423158	11.86
15.00	30.00	310	-.346903	4.042754	6.752742	23.41
30.00	45.00	325	-.059046	4.012231	5.980723	39.15
45.00	60.00	523	-.513155	4.826402	6.226730	52.26
60.00	75.00	626	-.709441	5.187597	6.265839	67.40
75.00	90.00	752	-.766689	5.837693	6.248411	82.71
90.00	105.00	776	-.847010	6.237338	6.229072	97.62
105.00	120.00	855	-1.166901	6.844066	6.328690	113.11
120.00	135.00	1388	-1.690922	7.799192	6.279798	127.77
135.00	150.00	1639	-1.750098	7.729466	6.446867	142.66
150.00	165.00	1827	-2.004921	8.978896	6.439286	157.40
165.00	180.00	1955	-2.223857	9.249260	6.503161	172.54
180.00	195.00	2106	-2.404967	10.119029	6.683908	187.49
195.00	210.00	2197	-2.652708	10.399171	6.626359	202.44
210.00	225.00	2269	-2.703107	11.177651	6.738892	217.58
225.00	240.00	2370	-2.727156	10.980851	6.796055	232.59
240.00	255.00	2625	-2.743931	11.882927	6.847478	247.56
255.00	270.00	2716	-2.673840	11.554041	6.930352	262.62
270.00	285.00	2755	-2.659125	11.702353	6.981595	277.56
285.00	300.00	2776	-2.729831	11.761010	7.031677	292.59
300.00	315.00	2772	-2.631306	11.926203	7.074358	307.47
315.00	330.00	2629	-2.451480	11.360929	7.062499	322.37
330.00	345.00	2568	-2.386110	11.181788	7.101548	337.30
345.00	360.00	2461	-2.203182	10.597074	7.071107	352.47
360.00	375.00	2346	-1.995107	10.300758	7.111667	367.55
375.00	390.00	2286	-1.994628	10.136225	7.116492	382.45
390.00	405.00	2211	-1.986526	10.403175	7.125158	397.35
405.00	420.00	2173	-1.727575	9.777988	7.145338	412.45
420.00	435.00	2080	-1.923668	9.188431	7.066233	427.48
435.00	450.00	2037	-1.885223	9.795698	7.001335	442.54

TITLE : Massive & Semi-Massive  
 DESCRIPTION : Semi-variogram 3 (SE-NW )  
 FILENAME : d:\faroblas\faroblas.mex  
 DESCRIPTION : South and Ramp Phases,3570-3530, massive & semi-massive



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

TITLE : Massive & Semi-Massive  
DESCRIPTION : Semi-variogram 4 (NE-SW )  
FILENAME : d:\faroblas\faroblas.mex  
DESCRIPTION : South and Ramp Phases,3570-3530, massive & semi-massive  
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: 3520.000

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

SUMMARY STATISTICS

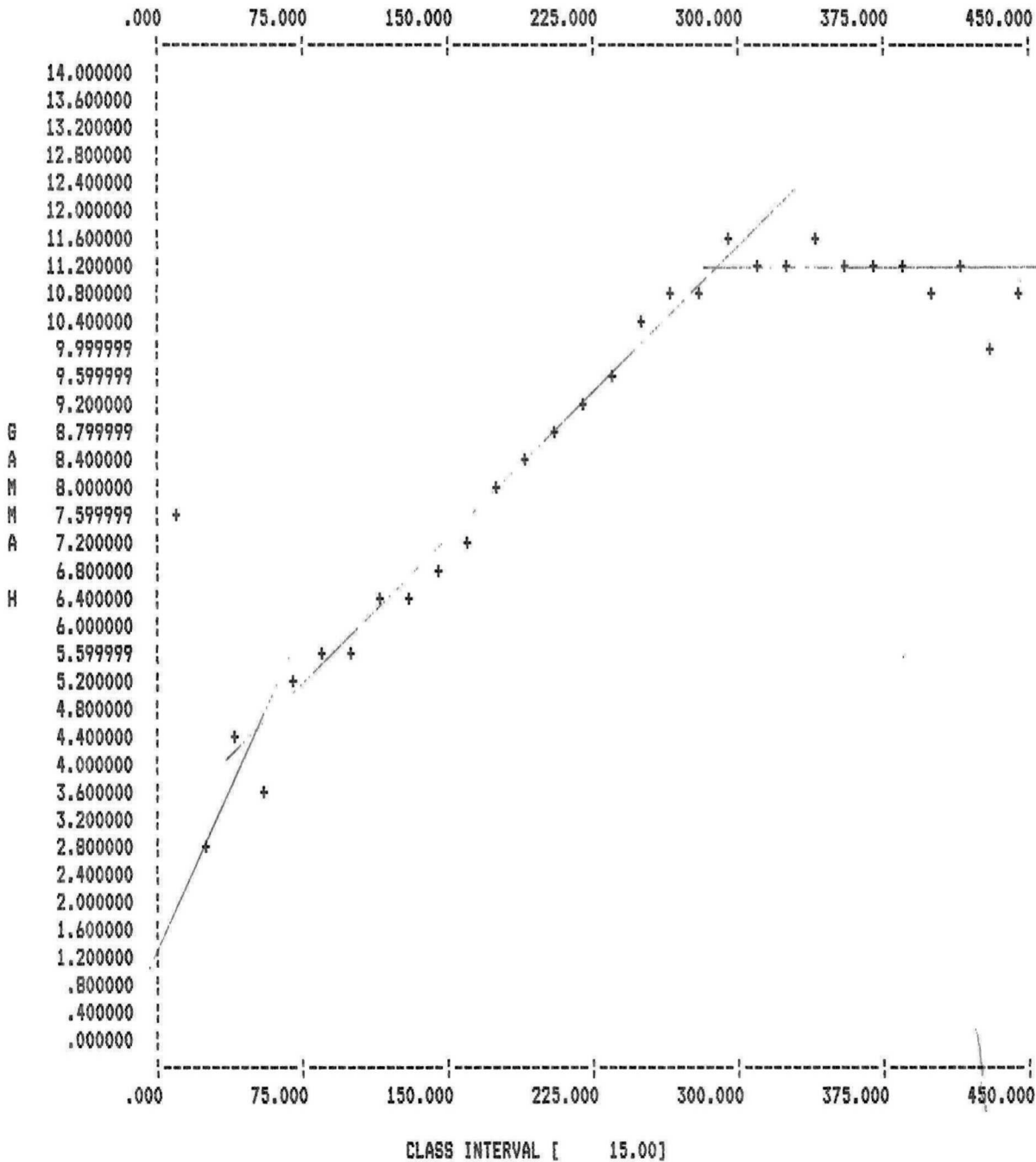
TOTAL NUMBER OF SAMPLES USED : 1263  
POPULATION MEAN : 6.467  
STANDARD DEVIATION : 3.007  
VARIANCE : 9.042

MAXIMUM NUMBER OF PAIRS AVAILABLE: 796953  
TOTAL NUMBER OF SAMPLE PAIRS USED: 45365  
AVERAGE DISTANCE APART : 253.474

TITLE : Massive & Semi-Massive  
 DESCRIPTION : Semi-variogram 4 (NE-SW )  
 FILENAME : d:\faroblas\faroblas.mex  
 DESCRIPTION : South and Ramp Phases,3570-3530, massive & semi-massive

CLASS INTERVAL		SAMPLE PAIRS	DRIFT	GAMMA(H)	AVERAGE	
FROM	TO				LOCAL MEAN	DISTANCE
.00	15.00	11	-.206364	7.792905	7.565000	11.45
15.00	30.00	171	-.245848	2.846578	6.291930	23.07
30.00	45.00	413	-.504649	4.418175	6.324358	39.43
45.00	60.00	460	-.400304	3.705378	6.033174	51.98
60.00	75.00	642	-.548536	5.398113	5.984299	66.23
75.00	90.00	877	-.863523	5.549689	5.964521	83.00
90.00	105.00	802	-.848180	5.408733	5.876870	98.23
105.00	120.00	884	-1.142579	6.485443	5.861538	112.33
120.00	135.00	1544	-1.409132	6.402871	5.887843	127.70
135.00	150.00	1722	-1.651870	6.757925	5.840395	143.26
150.00	165.00	1822	-1.673425	7.370470	5.720307	157.34
165.00	180.00	2159	-1.997596	7.832515	5.867561	172.26
180.00	195.00	2208	-2.193700	8.393742	5.781547	187.91
195.00	210.00	2175	-2.081306	8.813618	5.801614	202.49
210.00	225.00	2269	-2.403367	9.246858	5.785275	217.23
225.00	240.00	2320	-2.494901	9.742080	5.816907	232.68
240.00	255.00	2364	-2.510216	10.338439	5.912181	247.73
255.00	270.00	2368	-2.557606	10.645375	5.933402	262.29
270.00	285.00	2428	-2.621149	10.740482	5.994269	277.42
285.00	300.00	2283	-2.849724	11.684568	6.084446	292.64
300.00	315.00	2146	-2.828523	11.278404	6.081950	307.44
315.00	330.00	2074	-2.970347	11.316203	6.191996	322.26
330.00	345.00	1908	-3.016053	11.787713	6.215611	337.41
345.00	360.00	1732	-2.960589	11.349193	6.176166	352.33
360.00	375.00	1571	-2.840980	11.064844	6.281859	367.39
375.00	390.00	1412	-2.900744	11.003868	6.360018	382.47
390.00	405.00	1315	-2.898700	10.614312	6.440164	397.40
405.00	420.00	1207	-2.927200	11.034062	6.531703	412.31
420.00	435.00	1117	-2.827484	9.987330	6.592811	427.47
435.00	450.00	961	-3.033715	10.823178	6.789428	442.48

TITLE : Massive & Semi-Massive  
DESCRIPTION : Semi-variogram 4 (NE-SW )  
FILENAME : d:\faroblas\faroblas.mex  
DESCRIPTION : South and Ramp Phases,3570-3530, massive & semi-massive



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