

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

Faro Blasthole Database

*** CURRAGH RESOURCES
*** 19: 4:29 Serial no: 20320
12/ 3/90 Page : 1

TITLE : South Phase 3570 Bench
DESCRIPTION : Semi-variogram 4 (N-S)
FILENAME : d:\faroblas\faroblas.mex
DESCRIPTION : South Phase 3570 Bench
VALUE USED : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

019367

FILTERING SPECIFICATION

AZIMUTH : 360.000
DIP ANGLE : .000
SPREAD ANGLE : 22.500
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 : 366
POPULATION MEAN : 6.714
STANDARD DEVIATION : 3.310
VARIANCE : 10.959

MAXIMUM NUMBER OF PAIRS AVAILABLE: 66795
TOTAL NUMBER OF SAMPLE PAIRS USED: 16372
AVERAGE DISTANCE APART : 236.252

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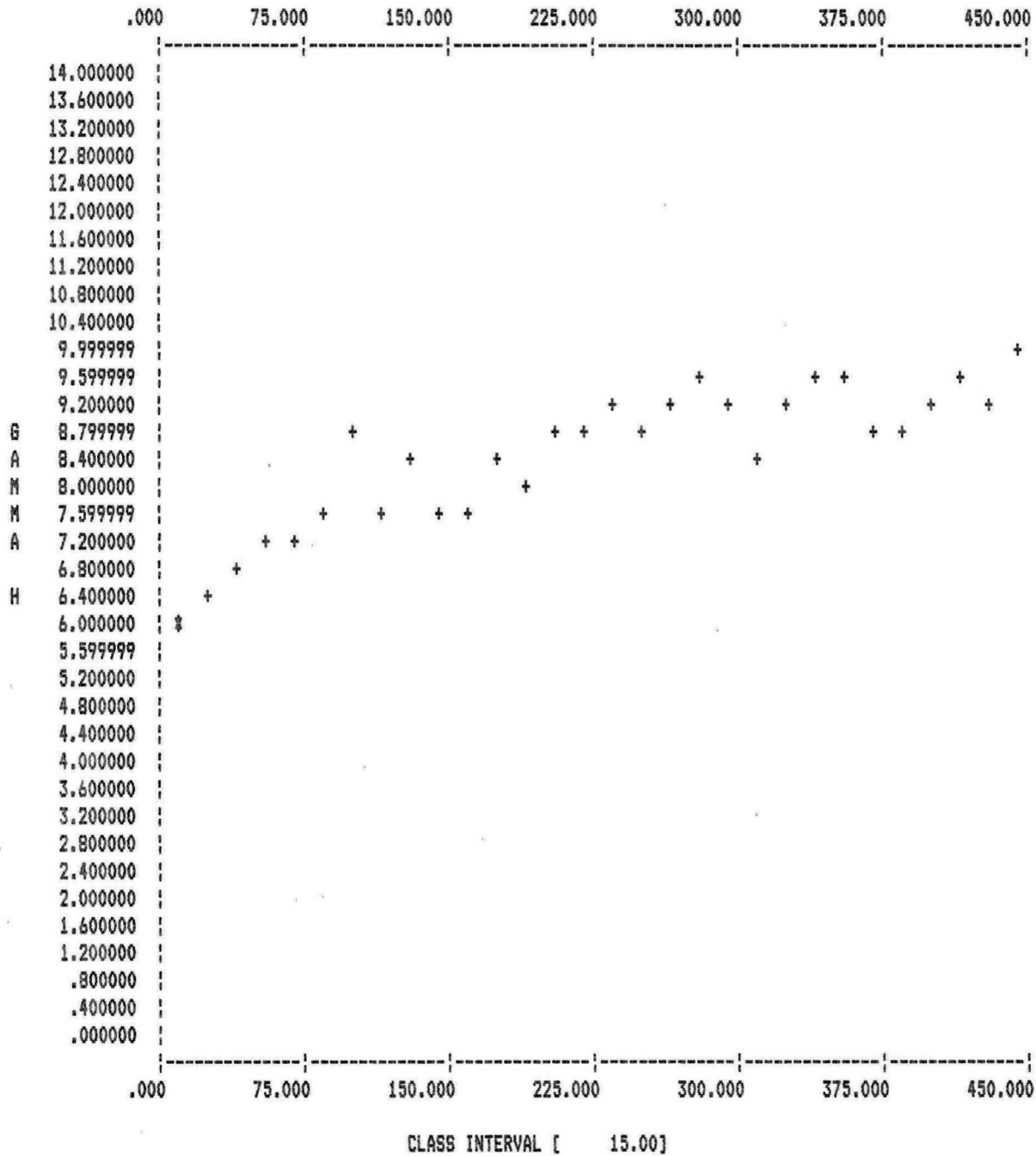
Faro Blasthole Database

*** CURRAGH RESOURCE
 *** 19: 4:30 Serial no: 20320
 12/ 3/90 Page : 2

TITLE : South Phase 3570 Bench
 DESCRIPTION : Semi-variogram 4 (N-S)
 FILENAME : d:\faroblas\faroblas.mex
 DESCRIPTION : South Phase 3570 Bench

CLASS INTERVAL		SAMPLE PAIRS	DRIFT	GAMMA(H)	AVERAGE	
FROM	TO				LOCAL MEAN	DISTANCE
.00	15.00	2	-2.360000	5.909802	3.480000	11.33
15.00	30.00	97	-.389794	6.247452	7.093866	23.75
30.00	45.00	294	.090612	6.674798	6.777721	40.40
45.00	60.00	204	-.436814	7.205912	7.351789	52.58
60.00	75.00	518	.079189	7.301598	7.006641	65.26
75.00	90.00	613	.169201	7.410776	6.976362	84.35
90.00	105.00	390	.064103	8.856813	7.185154	99.24
105.00	120.00	525	.147429	7.698726	7.048876	110.25
120.00	135.00	727	.223026	8.503374	7.153122	127.43
135.00	150.00	639	.666401	7.723763	7.105955	144.39
150.00	165.00	590	.234525	7.526134	7.172483	156.79
165.00	180.00	767	.702412	8.581926	7.061154	171.47
180.00	195.00	800	.621725	8.016030	7.168900	187.80
195.00	210.00	692	.329075	8.701489	7.264639	203.43
210.00	225.00	679	.762121	8.830038	7.190987	216.24
225.00	240.00	889	.663172	9.054751	7.289910	232.02
240.00	255.00	782	.675332	8.962661	7.367347	248.81
255.00	270.00	683	.418551	9.102959	7.325937	262.23
270.00	285.00	797	.587152	9.519318	7.273952	276.57
285.00	300.00	773	.640336	9.288163	7.457865	293.06
300.00	315.00	631	.270349	8.515879	7.466632	307.93
315.00	330.00	650	.361062	9.156198	7.404608	321.70
330.00	345.00	638	.489404	9.509555	7.556066	337.08
345.00	360.00	592	.370456	9.576855	7.636427	352.89
360.00	375.00	485	.161402	8.811183	7.628392	367.47
375.00	390.00	479	.019436	8.829162	7.468278	381.63
390.00	405.00	459	-.156536	9.004071	7.659139	397.58
405.00	420.00	361	-.588310	9.490043	7.549612	412.77
420.00	435.00	332	-.955241	9.083384	7.533464	427.04
435.00	450.00	284	-.746021	9.996346	7.600405	442.11

TITLE : South Phase 3570 Bench
 DESCRIPTION : Semi-variogram 4 (N-S)
 FILENAME : d:\faroblas\faroblas.mex
 DESCRIPTION : South Phase 3570 Bench



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

PC-XPLOR VERSION 1.22 ***
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Faro Blasthole Database

CURRAGH RESOURCES
19: 4:41 Serial no: 20320
12/ 3/90 Page : 4

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

FILTERING SPECIFICATION

AZIMUTH : 135.000
DIP ANGLE : .000
SPREAD ANGLE : 22.500
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 : 369
POPULATION MEAN : 6.681
STANDARD DEVIATION : 3.320
VARIANCE : 11.021

MAXIMUM NUMBER OF PAIRS AVAILABLE: 67896
TOTAL NUMBER OF SAMPLE PAIRS USED: 17580
AVERAGE DISTANCE APART : 231.372

PC-XPLOR VERSION 1.22 ***
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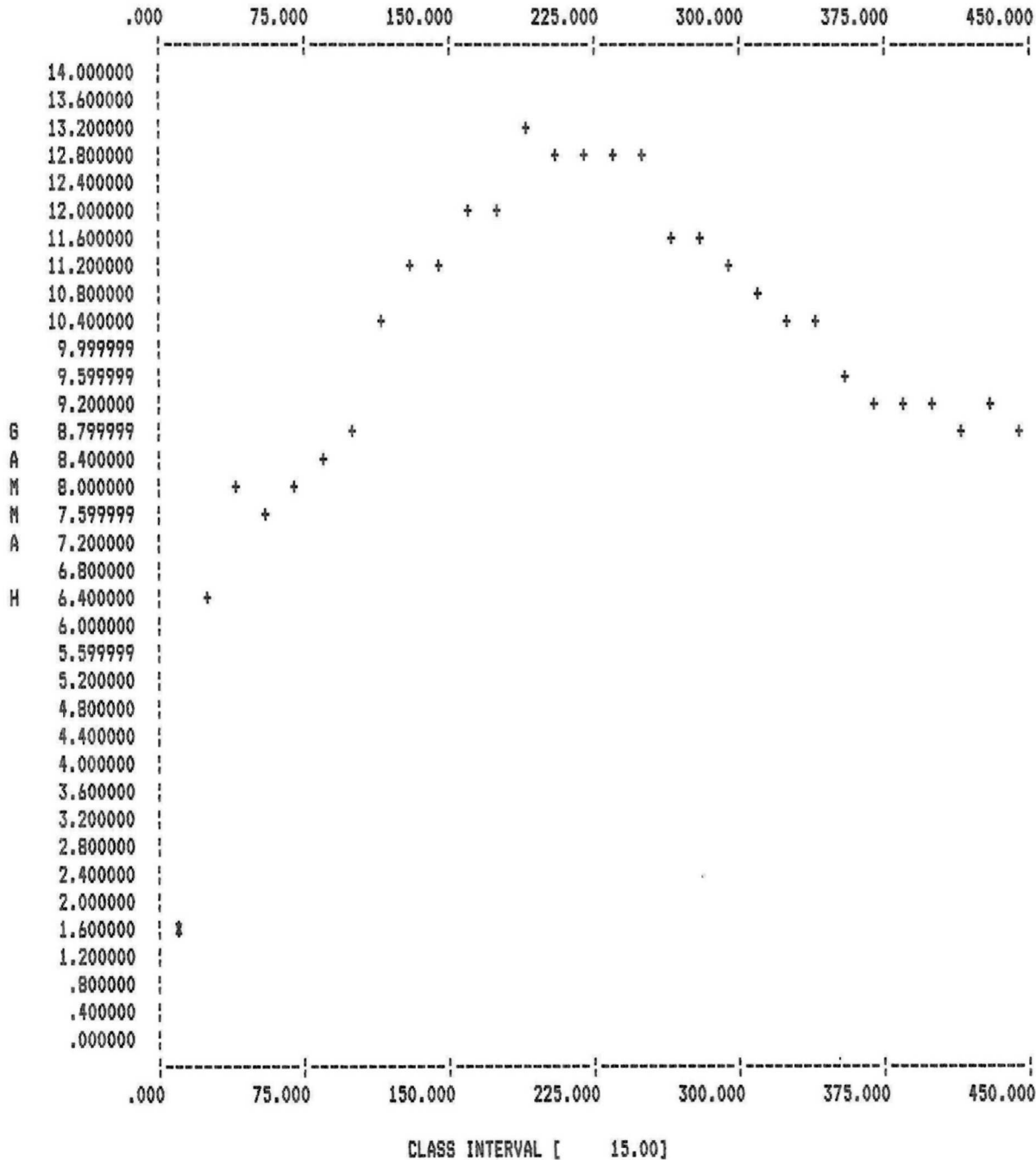
Faro Blasthole Database

*** CURRAGH RESOURCES
*** 19: 4:42 Serial no: 20320
12/ 3/90 Page : 5

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

CLASS INTERVAL		SAMPLE PAIRS	DRIFT	GAMMA(H)	AVERAGE	
FROM	TO				LOCAL MEAN	DISTANCE
.00	15.00	4	.430000	1.693075	6.757500	11.39
15.00	30.00	323	-.037214	6.514303	6.872291	23.72
30.00	45.00	253	-.215059	8.178074	7.001838	40.99
45.00	60.00	347	-.258444	7.567152	6.938588	50.33
60.00	75.00	500	-.226000	7.918162	7.043200	67.86
75.00	90.00	563	-.477567	8.413629	7.018002	83.99
90.00	105.00	494	-.493320	8.844208	7.004980	97.84
105.00	120.00	698	-.577350	10.239722	7.089592	111.71
120.00	135.00	792	-.636061	11.336885	7.040455	127.74
135.00	150.00	683	-.469004	11.111974	7.161208	142.99
150.00	165.00	700	-.788157	11.943748	7.080550	157.57
165.00	180.00	786	-.684173	12.029169	7.011056	171.61
180.00	195.00	859	-.733178	13.077583	7.112072	187.60
195.00	210.00	820	-.628366	12.751012	7.036683	203.18
210.00	225.00	784	-.565587	12.865033	6.985383	217.23
225.00	240.00	804	-.549092	12.937419	6.900889	231.96
240.00	255.00	856	-.265082	12.621453	6.812296	248.09
255.00	270.00	680	-.171029	11.647092	6.791912	263.24
270.00	285.00	701	-.169872	11.435359	6.661113	276.84
285.00	300.00	745	-.041852	11.133476	6.645503	292.21
300.00	315.00	738	.083252	10.777162	6.501911	307.99
315.00	330.00	592	.036047	10.516832	6.535135	322.46
330.00	345.00	624	.006747	10.222994	6.331114	336.66
345.00	360.00	639	.164085	9.483397	6.168865	352.58
360.00	375.00	545	-.041119	9.157262	6.225294	368.26
375.00	390.00	460	.432913	9.008714	6.157022	382.22
390.00	405.00	489	.287771	9.365059	6.097137	396.51
405.00	420.00	444	.560225	8.941857	6.157860	412.91
420.00	435.00	333	.722763	9.222659	6.155225	427.57
435.00	450.00	324	.809815	8.925075	6.033457	441.60

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



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

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CURRAGH RESOURCES
19: 5:36 Serial no: 20320
12/ 3/90 Page : 7

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

FILTERING SPECIFICATION

AZIMUTH : 90.000
DIP ANGLE : .000
SPREAD ANGLE : 22.500
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 : 368
POPULATION MEAN : 6.683
STANDARD DEVIATION : 3.324
VARIANCE : 11.049

MAXIMUM NUMBER OF PAIRS AVAILABLE: 67528
TOTAL NUMBER OF SAMPLE PAIRS USED: 15510
AVERAGE DISTANCE APART : 228.265

019367

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

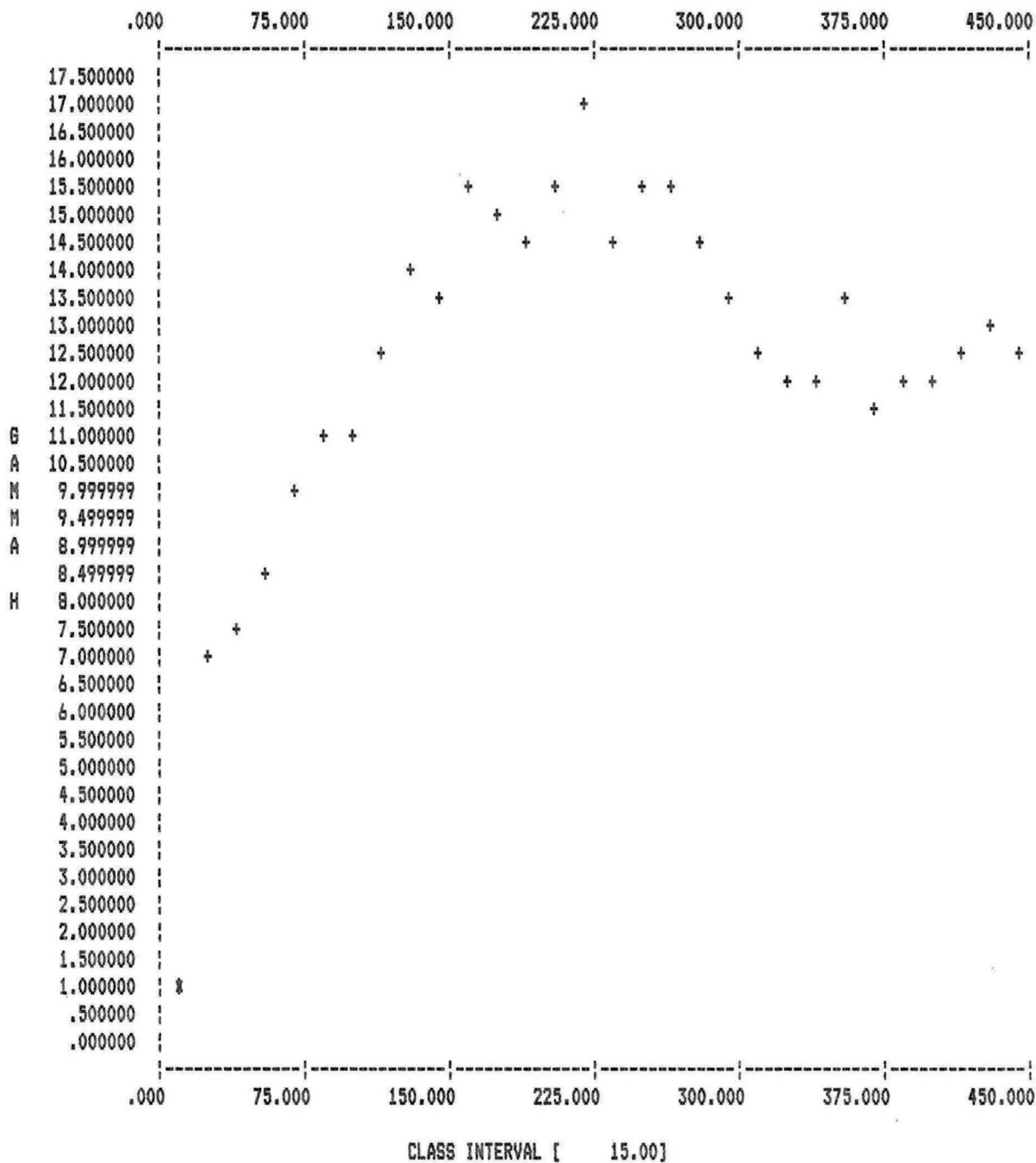
Faro Blasthole Database

*** CURRAGH RESOURCES
 *** 19: 5:42 Serial no: 20320
 12/ 3/90 Page : 8

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

CLASS INTERVAL		SAMPLE PAIRS	DRIFT	GAMMA(H)	AVERAGE	
FROM	TO				LOCAL MEAN	DISTANCE
.00	15.00	1	-1.420000	1.008200	8.430000	14.78
15.00	30.00	308	-.194773	6.841156	6.921737	24.00
30.00	45.00	150	-.437733	7.367024	7.254733	41.05
45.00	60.00	299	-.334515	8.648574	6.962141	51.11
60.00	75.00	486	-.636955	9.863562	6.982716	67.29
75.00	90.00	505	-.974951	10.929880	7.015218	84.16
90.00	105.00	478	-.941569	11.183062	6.979571	97.64
105.00	120.00	629	-1.098506	12.487212	6.997790	111.56
120.00	135.00	622	-1.095932	13.998502	7.067757	127.94
135.00	150.00	714	-1.036148	13.502511	6.996604	143.43
150.00	165.00	633	-1.441785	15.269140	7.019344	156.99
165.00	180.00	765	-1.369778	15.070346	6.905830	172.08
180.00	195.00	779	-1.240167	14.725647	6.736271	187.95
195.00	210.00	689	-1.000581	15.599941	6.674267	202.73
210.00	225.00	713	-1.126171	16.863204	6.545624	216.83
225.00	240.00	794	-.966108	14.574668	6.383319	232.23
240.00	255.00	701	-.718516	15.651309	6.314365	247.75
255.00	270.00	653	-.566922	15.573653	6.275283	262.36
270.00	285.00	662	-.270015	14.339950	6.212273	277.14
285.00	300.00	637	-.326326	13.407124	6.126507	292.68
300.00	315.00	572	-.310105	12.599432	5.891066	307.59
315.00	330.00	521	-.108157	11.845162	5.792179	322.11
330.00	345.00	529	-.336049	11.872102	5.712883	336.66
345.00	360.00	494	-.212368	13.497380	5.667419	352.60
360.00	375.00	472	-.813792	11.563603	5.459460	368.07
375.00	390.00	395	-.977620	11.962708	5.211899	382.21
390.00	405.00	391	-1.287110	12.108273	5.073555	396.74
405.00	420.00	368	-1.580679	12.295198	4.997405	412.53
420.00	435.00	302	-1.924636	13.035965	4.870530	427.74
435.00	450.00	248	-2.180685	12.424784	4.650101	442.23

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



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

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*** CURRAGH RESOURCES
*** 19: 6:37 Serial no: 20320
12/ 3/90 Page : 10

TITLE : South Phase 3570 Bench
DESCRIPTION : Semi-variogram 1 (NE-SW)
FILENAME : d:\faroblas\faroblas.mex
DESCRIPTION : South Phase 3570 Bench
VALUE USED : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

FILTERING SPECIFICATION

AZIMUTH : 45.000
DIP ANGLE : .000
SPREAD ANGLE : 22.500
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

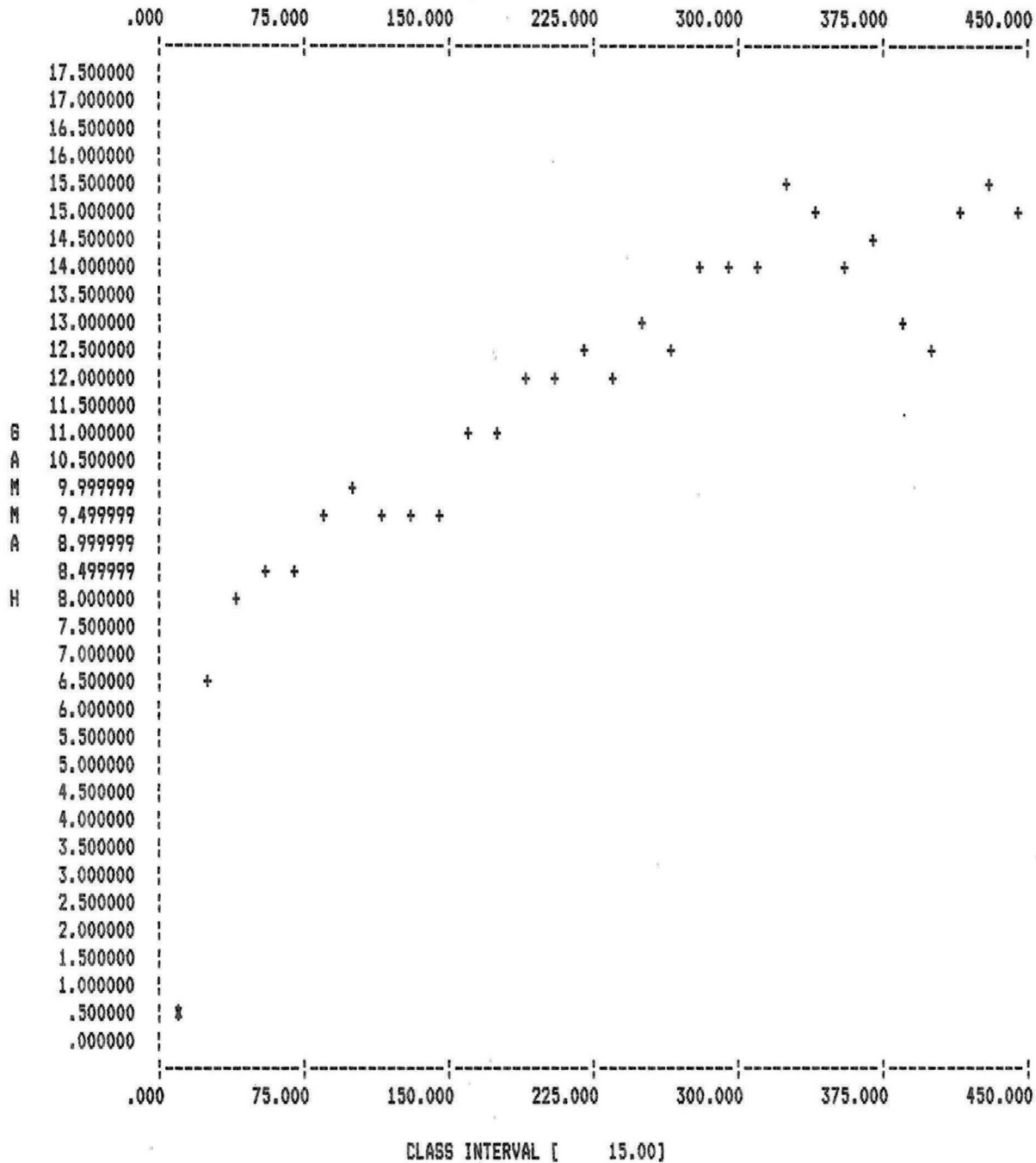
TOTAL NUMBER OF SAMPLES USED : 367
POPULATION MEAN : 6.707
STANDARD DEVIATION : 3.309
VARIANCE : 10.948

MAXIMUM NUMBER OF PAIRS AVAILABLE: 67161
TOTAL NUMBER OF SAMPLE PAIRS USED: 15499
AVERAGE DISTANCE APART : 219.260

TITLE : South Phase 3570 Bench
 DESCRIPTION : Semi-variogram 1 (NE-SW)
 FILENAME : d:\faroblas\faroblas.mex
 DESCRIPTION : South Phase 3570 Bench

CLASS INTERVAL FROM	TO	SAMPLE PAIRS	DRIFT	GAMMA(H)	LOCAL MEAN	AVERAGE DISTANCE
.00	15.00	5	-.042000	.647471	6.247000	13.77
15.00	30.00	226	.144159	6.465997	6.725354	23.71
30.00	45.00	287	-.501533	8.168866	6.931185	40.19
45.00	60.00	306	-.223170	8.335835	6.943873	50.96
60.00	75.00	551	-.543285	8.490180	6.930427	66.57
75.00	90.00	492	-.713313	9.253868	6.898709	83.51
90.00	105.00	527	-.689317	9.802007	6.902989	98.44
105.00	120.00	556	-1.007140	9.592670	6.903318	111.73
120.00	135.00	764	-1.075720	9.714744	6.914509	127.22
135.00	150.00	709	-1.062327	9.732502	6.917553	143.74
150.00	165.00	641	-.693729	10.871678	6.819407	157.91
165.00	180.00	777	-1.143475	11.156902	6.720798	171.51
180.00	195.00	890	-.831596	12.164191	6.755056	187.88
195.00	210.00	719	-.504172	11.824109	6.741878	203.07
210.00	225.00	785	-1.182217	12.385939	6.692382	216.85
225.00	240.00	774	-1.338424	12.228572	6.658850	232.23
240.00	255.00	774	-.940116	13.036375	6.622384	247.96
255.00	270.00	632	-1.015664	12.563237	6.644304	262.67
270.00	285.00	675	-1.626548	13.879071	6.551600	276.23
285.00	300.00	702	-1.423889	14.037407	6.501175	292.46
300.00	315.00	563	-1.440408	13.843135	6.454449	308.35
315.00	330.00	506	-2.152628	15.527010	6.535860	321.33
330.00	345.00	588	-1.883452	14.847694	6.250842	336.96
345.00	360.00	447	-2.398166	13.972349	5.908859	353.25
360.00	375.00	375	-3.354213	14.358678	5.679827	367.21
375.00	390.00	358	-3.466313	12.927955	5.336620	381.65
390.00	405.00	300	-3.951733	12.486019	4.807700	397.60
405.00	420.00	248	-4.602339	14.806972	4.835524	412.33
420.00	435.00	185	-4.952054	15.566400	4.836189	426.92
435.00	450.00	137	-4.957007	14.985492	4.529891	441.18

TITLE : South Phase 3570 Bench
 DESCRIPTION : Semi-variogram 1 (NE-SW)
 FILENAME : d:\faroblas\faroblas.mex
 DESCRIPTION : South Phase 3570 Bench

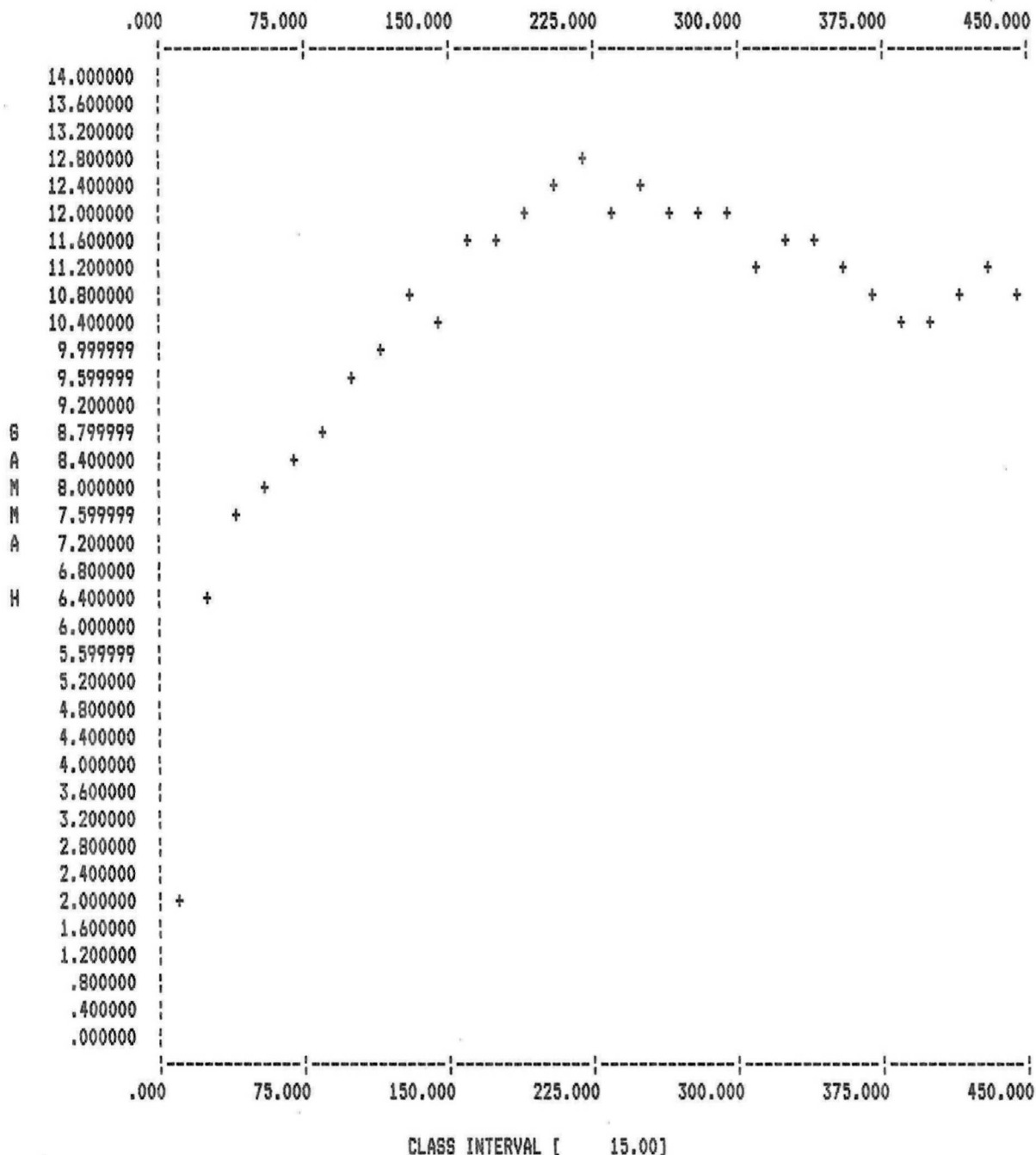


+ INDICATES EXPERIMENTAL SEMI-VARIOGRAM
 * INDICATES LESS THAN THRESHOLD PAIRS IN CLASS
 x INDICATES SEMI-VARIOGRAM MODEL

TITLE : South Phase 3570 Bench
 DESCRIPTION : Average Semi-variogram
 FILENAME : d:\faroblas\faroblas.mex
 DESCRIPTION : South Phase 3570 Bench

CLASS INTERVAL		SAMPLE PAIRS	DRIFT	GAMMA(H)	AVERAGE	
FROM	TO				LOCAL MEAN	DISTANCE
.00	15.00	12	-.385833	1.903121	6.137917	12.65
15.00	30.00	954	-.080964	6.581252	6.875975	23.81
30.00	45.00	984	-.241230	7.602603	6.952820	40.59
45.00	60.00	1156	-.300260	7.986589	7.018997	51.10
60.00	75.00	2055	-.331333	8.376199	6.989443	66.72
75.00	90.00	2173	-.464082	8.905739	6.978599	84.02
90.00	105.00	1889	-.546342	9.705854	7.007295	98.25
105.00	120.00	2408	-.654701	10.123396	7.013725	111.36
120.00	135.00	2905	-.635160	10.771049	7.041374	127.57
135.00	150.00	2745	-.505464	10.588743	7.042597	143.62
150.00	165.00	2564	-.690589	11.480169	7.021309	157.33
165.00	180.00	3095	-.625321	11.707590	6.924593	171.67
180.00	195.00	3328	-.552473	12.002367	6.942291	187.80
195.00	210.00	2920	-.458712	12.235327	6.932599	203.11
210.00	225.00	2961	-.559588	12.775484	6.848960	216.81
225.00	240.00	3261	-.507495	12.109340	6.823474	232.10
240.00	255.00	3113	-.298789	12.487789	6.792382	248.16
255.00	270.00	2648	-.318176	12.177834	6.767022	262.63
270.00	285.00	2835	-.327263	12.156791	6.702517	276.69
285.00	300.00	2857	-.260287	11.854668	6.714120	292.60
300.00	315.00	2504	-.302037	11.312950	6.594808	307.96
315.00	330.00	2269	-.392045	11.549356	6.613779	321.91
330.00	345.00	2379	-.407226	11.541417	6.502310	336.84
345.00	360.00	2172	-.392601	11.345642	6.401305	352.80
360.00	375.00	1877	-.845003	10.712124	6.286284	367.80
375.00	390.00	1692	-.838446	10.476746	6.134010	381.93
390.00	405.00	1639	-.988353	10.489642	6.054372	397.06
405.00	420.00	1421	-1.186988	10.973154	5.980123	412.68
420.00	435.00	1152	-1.366172	11.200933	6.003815	427.36
435.00	450.00	993	-1.177654	10.941637	5.928676	441.84

TITLE : South Phase 3570 Bench
 DESCRIPTION : Average Semi-variogram
 FILENAME : d:\faroblas\faroblas.mex
 DESCRIPTION : South Phase 3570 Bench



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