

TITLE : Massive Sulphide
DESCRIPTION : Semi-variogram 1 (Assays % Pb)
FILENAME : e:\vangorda\60.mex
DESCRIPTION :
VALUE USED : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

FILTERING SPECIFICATION

AZIMUTH : 90.000
DIP ANGLE : .000
SPREAD ANGLE : 20.000
TOP ELEVATION : 1230.000
BOTTOM ELEVATION: 993.000

1ST CLASS VALUE: .000
CLASS INTERVALS: 1.000 [meters]
UPPER CUT-OFF : 99999.000
LOWER CUT-OFF : -99999.000

SUMMARY STATISTICS

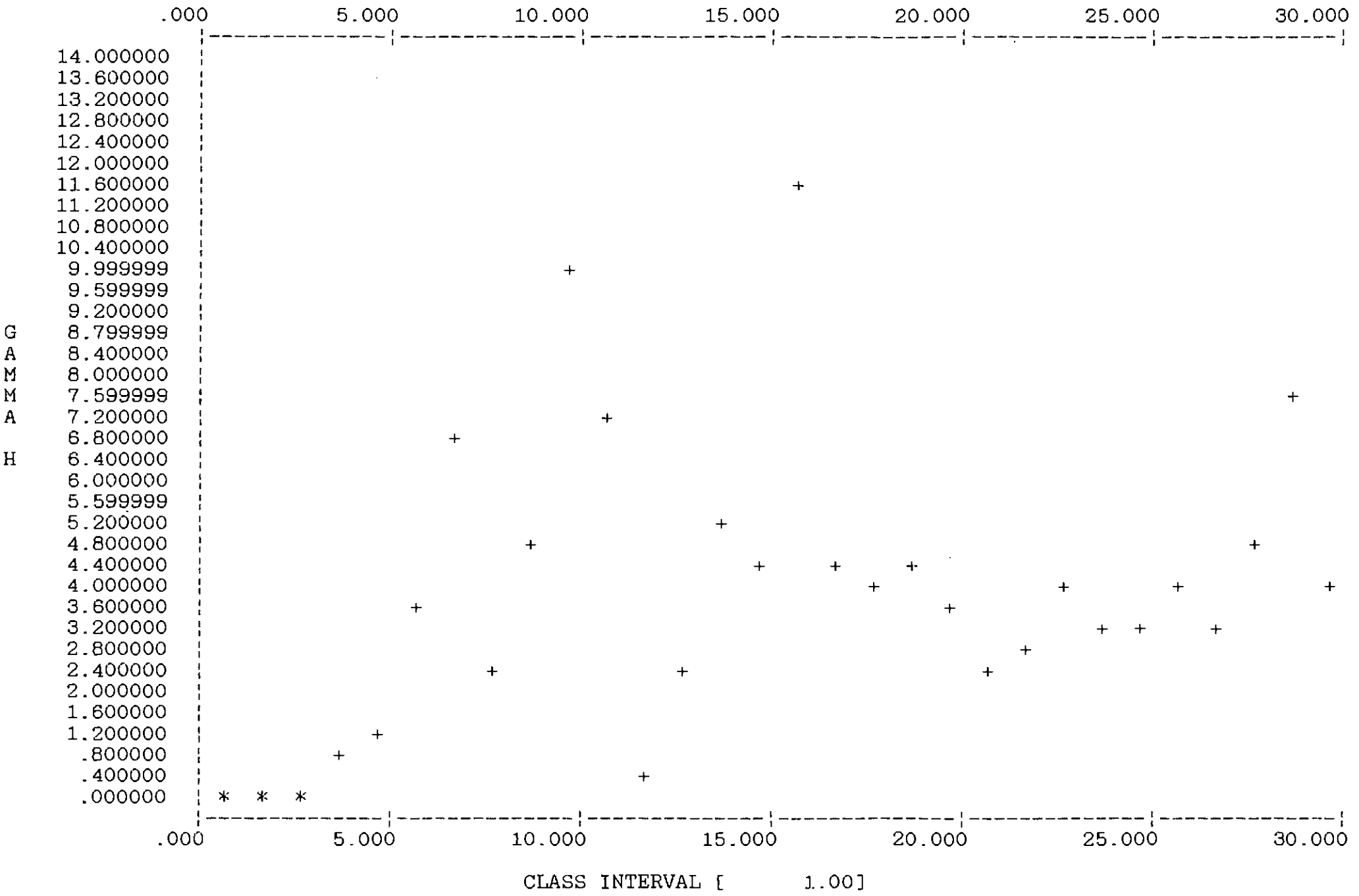
TOTAL NUMBER OF SAMPLES USED : 661
POPULATION MEAN : 4.224
STANDARD DEVIATION : 2.365
VARIANCE : 5.593

MAXIMUM NUMBER OF PAIRS AVAILABLE: 218130
TOTAL NUMBER OF SAMPLE PAIRS USED: 2044
AVERAGE DISTANCE APART : 21.641

TITLE : Massive Sulphide
 DESCRIPTION : Semi-variogram 1 ()
 FILENAME : e:\vangorda\60.mex
 DESCRIPTION :

CLASS INTERVAL FROM	TO	SAMPLE PAIRS	DRIFT	GAMMA(H)	LOCAL MEAN	AVERAGE DISTANCE
.00	1.00	0	.000000	.000000	.000000	.00
1.00	2.00	0	.000000	.000000	.000000	.00
2.00	3.00	0	.000000	.000000	.000000	.00
3.00	4.00	1	1.270000	.806450	1.345000	3.76
4.00	5.00	5	1.068000	1.052600	1.782000	4.40
5.00	6.00	6	2.118333	3.491425	1.854167	5.56
6.00	7.00	7	2.405714	6.663743	3.242857	6.56
7.00	8.00	4	-.537500	2.410963	4.423750	7.45
8.00	9.00	12	2.299167	4.872762	4.292083	8.54
9.00	10.00	5	3.874000	9.808270	3.501000	9.66
10.00	11.00	5	1.932000	7.274580	3.474000	10.53
11.00	12.00	6	-.080000	.401717	3.126667	11.55
12.00	13.00	16	.910625	2.514197	4.545313	12.69
13.00	14.00	41	-.394878	5.085452	3.919634	13.73
14.00	15.00	165	.615273	4.495961	4.407636	14.53
15.00	16.00	239	-1.498243	11.735985	4.710418	15.57
16.00	17.00	274	-.091241	4.504820	4.118212	16.47
17.00	18.00	147	.004966	4.132742	4.591190	17.39
18.00	19.00	24	.128750	4.421519	3.761458	18.36
19.00	20.00	12	.178333	3.639067	3.260833	19.47
20.00	21.00	15	-.786667	2.578287	3.713333	20.41
21.00	22.00	47	.300425	2.631234	3.891064	21.66
22.00	23.00	68	.166765	4.061224	4.195294	22.49
23.00	24.00	72	.931806	3.083966	3.929236	23.61
24.00	25.00	79	-.392025	3.275102	4.299937	24.41
25.00	26.00	56	-1.506429	3.913552	4.104643	25.49
26.00	27.00	40	-.271000	3.235127	4.924500	26.56
27.00	28.00	127	.734331	4.660337	4.514409	27.55
28.00	29.00	181	.493757	7.469852	4.610967	28.52
29.00	30.00	390	.118769	3.884781	4.297282	29.66

TITLE : Massive Sulphide
 DESCRIPTION : Semi-variogram 1 (ASSAYS - % Pb)
 FILENAME : e:\vangorda\60.mex
 DESCRIPTION :



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

TITLE : Massive Sulphide - Deposit Trend
DESCRIPTION : Semi-variogram 1 (%pb)
FILENAME : e:\vangorda\60.mex
DESCRIPTION :
VALUE USED : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

FILTERING SPECIFICATION

AZIMUTH : 90.000
DIP ANGLE : 15.000
SPREAD ANGLE : 45.000
TOP ELEVATION : 1230.000
BOTTOM ELEVATION: 993.000

1ST CLASS VALUE: .000
CLASS INTERVALS: 1.000 [meters]
UPPER CUT-OFF : 99999.000
LOWER CUT-OFF : -99999.000

SUMMARY STATISTICS

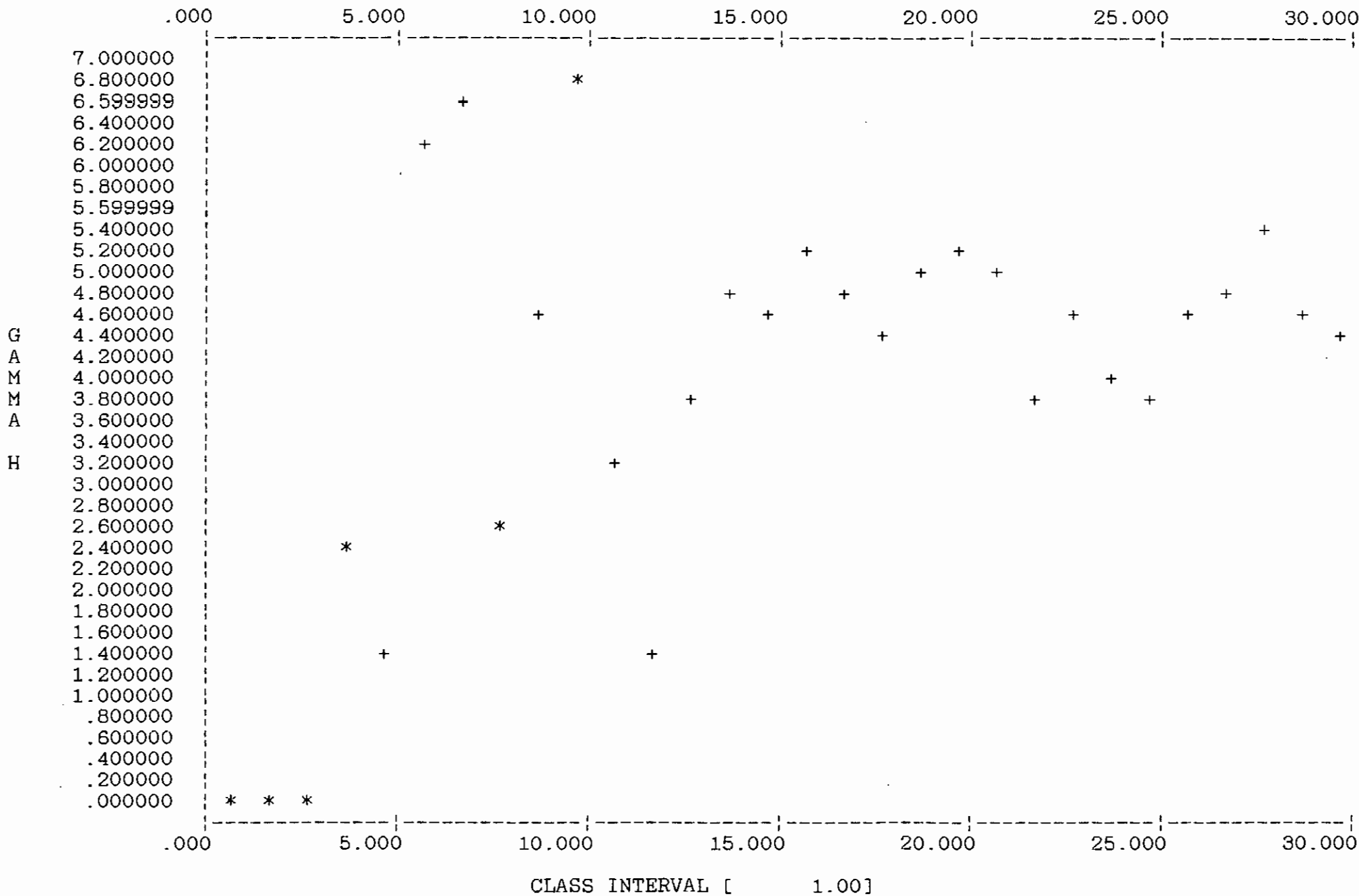
TOTAL NUMBER OF SAMPLES USED : 770
POPULATION MEAN : 4.232
STANDARD DEVIATION : 2.234
VARIANCE : 4.992

MAXIMUM NUMBER OF PAIRS AVAILABLE: 296065
TOTAL NUMBER OF SAMPLE PAIRS USED: 4245
AVERAGE DISTANCE APART : 21.271

TITLE : Massive Sulphide - Deposit Trend
 DESCRIPTION : Semi-variogram 1 (%pb)
 FILENAME : e:\vangorda\60.mex
 DESCRIPTION :

CLASS INTERVAL FROM	TO	SAMPLE PAIRS	DRIFT	GAMMA(H)	LOCAL MEAN	AVERAGE DISTANCE
.00	1.00	0	.000000	.000000	.000000	.00
1.00	2.00	0	.000000	.000000	.000000	.00
2.00	3.00	0	.000000	.000000	.000000	.00
3.00	4.00	5	.608000	2.331920	2.326000	3.71
4.00	5.00	16	.742500	1.352275	2.051875	4.52
5.00	6.00	15	2.586000	6.254037	2.941667	5.55
6.00	7.00	16	.898125	6.506653	3.729063	6.50
7.00	8.00	9	-1.310000	2.519906	4.159444	7.43
8.00	9.00	13	1.946923	4.697873	4.212692	8.55
9.00	10.00	8	1.981250	6.873919	2.893125	9.68
10.00	11.00	18	.778889	3.293761	2.550000	10.58
11.00	12.00	18	.877778	1.461289	2.975000	11.55
12.00	13.00	35	.879143	3.819999	4.146429	12.60
13.00	14.00	69	-.200000	4.833343	4.096812	13.63
14.00	15.00	225	.394222	4.519625	4.374044	14.53
15.00	16.00	313	-.332268	5.190387	4.182204	15.57
16.00	17.00	447	-.047539	4.898175	4.215828	16.50
17.00	18.00	371	-.145094	4.328264	4.282709	17.46
18.00	19.00	244	.112418	4.936820	4.126537	18.46
19.00	20.00	191	.348691	5.206727	4.131047	19.47
20.00	21.00	161	.362298	4.972508	4.158478	20.48
21.00	22.00	177	.294520	3.893083	4.256695	21.55
22.00	23.00	193	.548964	4.620644	4.308057	22.51
23.00	24.00	191	.799424	4.057902	4.047094	23.54
24.00	25.00	186	.157312	3.706347	4.082043	24.46
25.00	26.00	171	.085380	4.537932	4.031228	25.51
26.00	27.00	150	.947667	4.810913	4.306367	26.51
27.00	28.00	230	.893739	5.382033	4.427000	27.53
28.00	29.00	280	.540500	4.669458	4.610286	28.51
29.00	30.00	493	.410609	4.491919	4.359503	29.63

TITLE : Massive Sulphide - Deposit Trend
 DESCRIPTION : Semi-variogram 1 (%pb)
 FILENAME : e:\vangorda\60.mex
 DESCRIPTION :



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

TITLE : %Pb - 3m Bch Comp. Along Strike
DESCRIPTION : Average Semi-variogram
FILENAME : e:\vangorda\3mbchpb.mex
DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60
VALUE USED : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

FILTERING SPECIFICATION

AZIMUTH	:	.000	.000	.000	.000
DIP ANGLE	:	.000	5.000	10.000	15.000
SPREAD ANGLE	:	45.000	45.000	45.000	45.000
TOP ELEVATION	:	1230.000	1230.000	1230.000	1230.000
BOTTOM ELEVATION:		993.000	993.000	993.000	993.000

1ST CLASS VALUE: .000
CLASS INTERVALS: 5.000 [meters]
UPPER CUT-OFF : 99999.000
LOWER CUT-OFF : -99999.000

SUMMARY STATISTICS

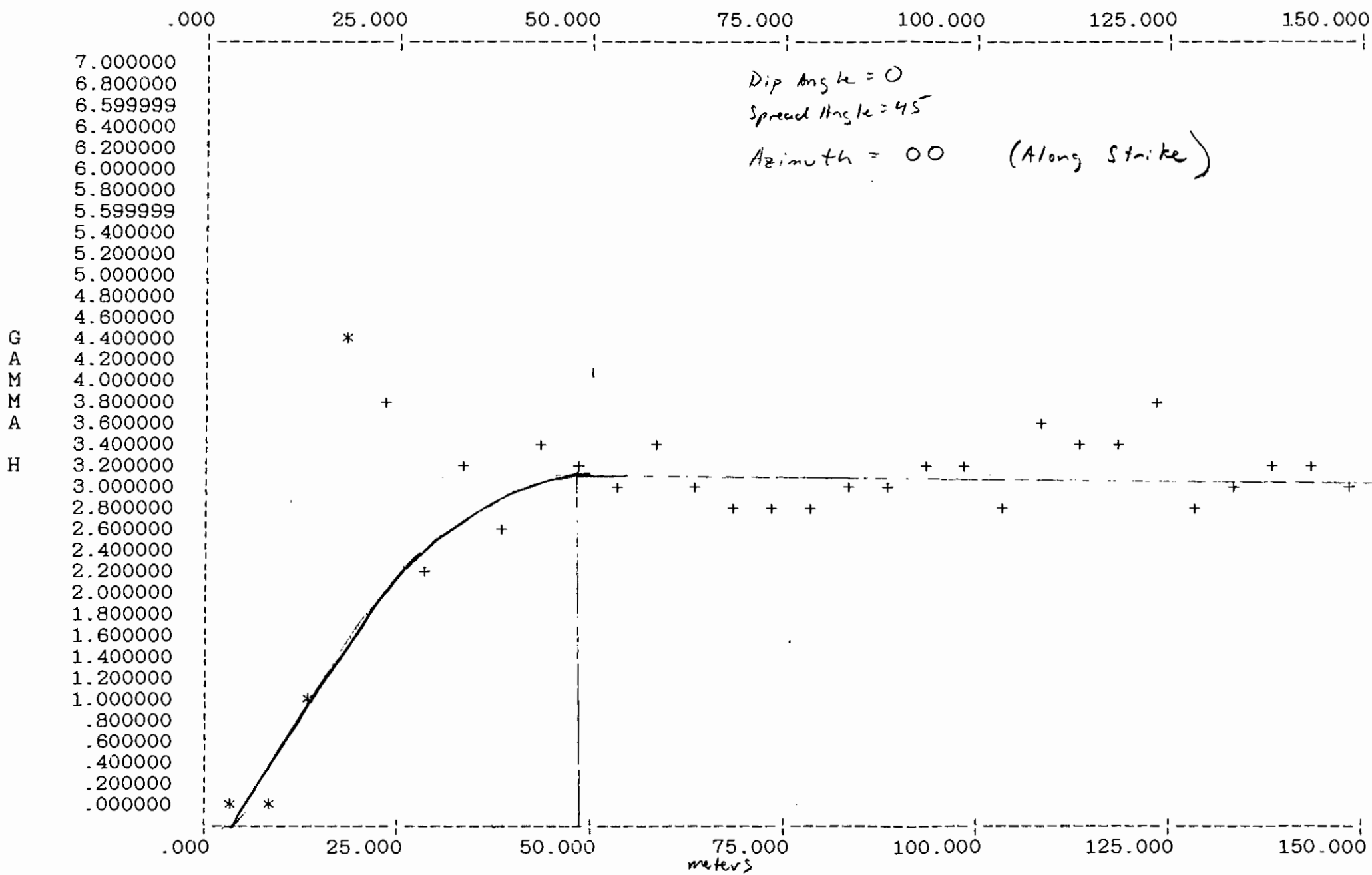
TOTAL NUMBER OF SAMPLES USED	:	494
POPULATION MEAN	:	4.041
STANDARD DEVIATION	:	1.825
VARIANCE	:	3.332

MAXIMUM NUMBER OF PAIRS AVAILABLE:	121771
TOTAL NUMBER OF SAMPLE PAIRS USED:	24745
AVERAGE DISTANCE APART	: 95.049

TITLE : %Pb - 3m Bch Comp. Along Strike
 DESCRIPTION : Average Semi-variogram
 FILENAME : e:\vangorda\3mbchpb.mex
 DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60

CLASS INTERVAL FROM	TO	SAMPLE PAIRS	DRIFT	GAMMA(H)	LOCAL MEAN	AVERAGE DISTANCE
.00	5.00	0	.000000	.000000	.000000	.00
5.00	10.00	0	.000000	.000000	.000000	.00
10.00	15.00	3	-1.035921	.902094	2.457503	10.87
15.00	20.00	4	2.265739	4.463249	3.779551	19.84
20.00	25.00	18	1.512726	3.733894	4.020132	22.18
25.00	30.00	132	.203613	2.190830	3.948099	29.21
30.00	35.00	781	-.126528	3.175076	4.191161	33.17
35.00	40.00	1159	.096921	2.606601	4.262759	37.23
40.00	45.00	522	-.350348	3.358612	4.292997	42.26
45.00	50.00	328	.111010	3.196048	4.425644	47.23
50.00	55.00	257	.334802	2.902274	4.606055	52.57
55.00	60.00	408	.391920	3.457542	4.229636	58.50
60.00	65.00	1345	.032995	2.930221	4.167218	62.53
65.00	70.00	1772	-.213101	2.788351	3.985217	67.63
70.00	75.00	1446	-.238207	2.830185	4.110753	72.28
75.00	80.00	1148	-.526426	2.788771	4.046812	77.49
80.00	85.00	602	-.067075	3.046565	4.226283	82.36
85.00	90.00	492	.468208	2.900438	4.039914	87.85
90.00	95.00	1618	-.128578	3.184007	4.362658	92.42
95.00	100.00	1219	-.296787	3.115978	4.281181	97.33
100.00	105.00	1108	-.123008	2.844071	4.219024	102.61
105.00	110.00	780	-.049613	3.593581	4.359989	107.14
110.00	115.00	596	.079825	3.386836	4.168613	112.66
115.00	120.00	639	-.494435	3.366623	4.298780	117.81
120.00	125.00	1784	-.425652	3.739472	4.216505	122.65
125.00	130.00	2070	-.236851	2.775488	4.067628	127.51
130.00	135.00	1766	-.336440	2.973418	4.016906	132.30
135.00	140.00	1185	-.052204	3.112716	4.060447	137.25
140.00	145.00	815	.040193	3.164388	4.035529	142.53
145.00	150.00	748	-.156184	3.033800	3.872972	147.52

TITLE : %Pb - 3m Bch Comp. Along Strike
 DESCRIPTION : Average Semi-variogram
 FILENAME : e:\vangorda\3mbchpb.mex
 DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60



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

TITLE : %Pb - 3m Bch Comp. Along Strike
DESCRIPTION : Semi-variogram 1 (0 Dip Angle)
FILENAME : e:\vangorda\3mbchpb.mex
DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60
VALUE USED : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

FILTERING SPECIFICATION

AZIMUTH : .000
DIP ANGLE : .000
SPREAD ANGLE : 45.000
TOP ELEVATION : 1230.000
BOTTOM ELEVATION: 993.000

1ST CLASS VALUE: .000
CLASS INTERVALS: 5.000 [meters]
UPPER CUT-OFF : 99999.000
LOWER CUT-OFF : -99999.000

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES USED : 494
POPULATION MEAN : 4.041
STANDARD DEVIATION : 1.825
VARIANCE : 3.332

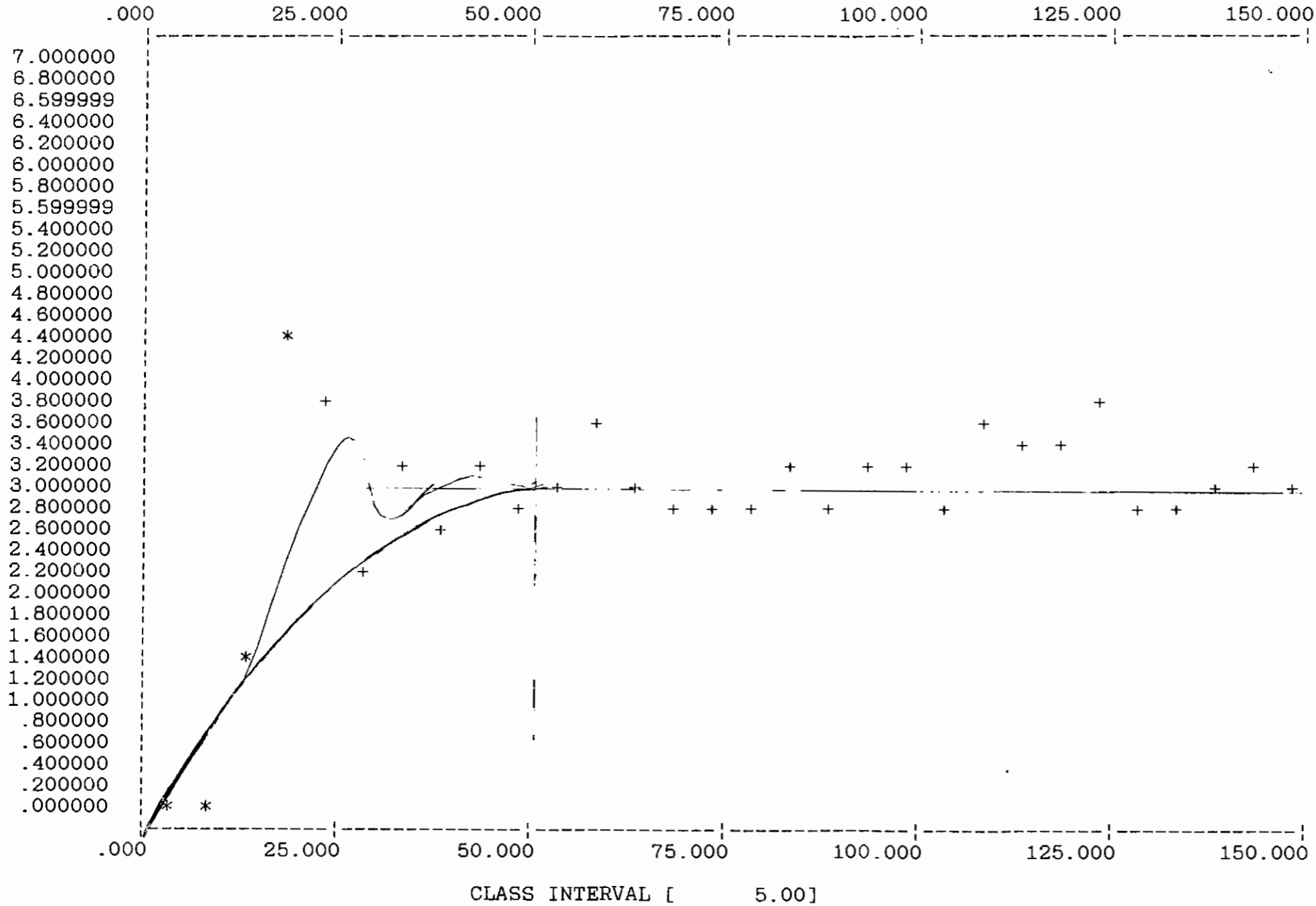
MAXIMUM NUMBER OF PAIRS AVAILABLE: 121771
TOTAL NUMBER OF SAMPLE PAIRS USED: 24117
AVERAGE DISTANCE APART : 95.451

TITLE : %Pb - 3m Bch Comp. Along Strike
 DESCRIPTION : Semi-variogram 1 (0 Dip Angle)
 FILENAME : e:\vangorda\3mbchpb.mex
 DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60

CLASS INTERVAL FROM	TO	SAMPLE PAIRS	DRIFT	GAMMA(H)	LOCAL MEAN	AVERAGE DISTANCE
.00	5.00	0	.000000	.000000	.000000	.00
5.00	10.00	0	.000000	.000000	.000000	.00
10.00	15.00	2	-1.505959	1.350845	2.692522	10.40
15.00	20.00	4	-2.265739	4.463249	3.779551	19.84
20.00	25.00	18	-1.963681	3.733894	4.020132	22.18
25.00	30.00	130	.268659	2.199976	3.966481	29.21
30.00	35.00	781	.457679	3.175076	4.191161	33.17
35.00	40.00	1154	.220293	2.592831	4.262448	37.23
40.00	45.00	470	-.214128	3.181762	4.330250	42.19
45.00	50.00	247	.404968	2.797063	4.430801	47.08
50.00	55.00	205	.490520	3.037874	4.567206	52.56
55.00	60.00	378	-.023395	3.556478	4.205716	58.58
60.00	65.00	1336	-.141574	2.907993	4.167838	62.54
65.00	70.00	1763	.102669	2.782851	3.986520	67.64
70.00	75.00	1438	.064632	2.830255	4.112625	72.28
75.00	80.00	1143	.057818	2.795866	4.043376	77.49
80.00	85.00	561	.103863	3.123650	4.225972	82.30
85.00	90.00	370	.210224	2.892091	4.057765	87.96
90.00	95.00	1555	-.045583	3.236037	4.377863	92.42
95.00	100.00	1189	.079453	3.107533	4.277553	97.33
100.00	105.00	1086	-.054386	2.809147	4.208952	102.61
105.00	110.00	765	-.357464	3.607794	4.352319	107.14
110.00	115.00	588	.177514	3.401818	4.164991	112.67
115.00	120.00	638	.294083	3.367858	4.299861	117.81
120.00	125.00	1779	.092156	3.740362	4.218944	122.66
125.00	130.00	2042	.128388	2.711752	4.070444	127.49
130.00	135.00	1729	-.008110	2.860575	4.012128	132.30
135.00	140.00	1183	-.014127	3.099057	4.060260	137.25
140.00	145.00	815	.045722	3.164388	4.035529	142.53
145.00	150.00	748	.267574	3.033800	3.872972	147.52

TITLE : %Pb - 3m Bch Comp. Along Strike
 DESCRIPTION : Semi-variogram 1 (0 Dip Angle)
 FILENAME : e:\vangorda\3mbchpb.mex
 DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60

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

PC-XPLOR VERSION 1.00 ***
Exploration Data Manager ***
By GEMCOM SERVICES INC.

VANGORDA - Drill Hole Database

*** CURRAGH RESOURCES
*** 10:36:47 Serial no: 20320
10/11/89 Page : 7

TITLE : %Pb - 3m Bch Comp - Rock Code 60
DESCRIPTION : Semi-variogram 1 (0 Dip Angle)
FILENAME : e:\vangorda\3mbchpb.mex
DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60
VALUE USED : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

FILTERING SPECIFICATION

AZIMUTH : .000
DIP ANGLE : .000
SPREAD ANGLE : 45.000
TOP ELEVATION : 1230.000
BOTTOM ELEVATION: 993.000

1ST CLASS VALUE: .000
CLASS INTERVALS: 3.000 [meters]
UPPER CUT-OFF : 99999.000
LOWER CUT-OFF : -99999.000

SUMMARY STATISTICS

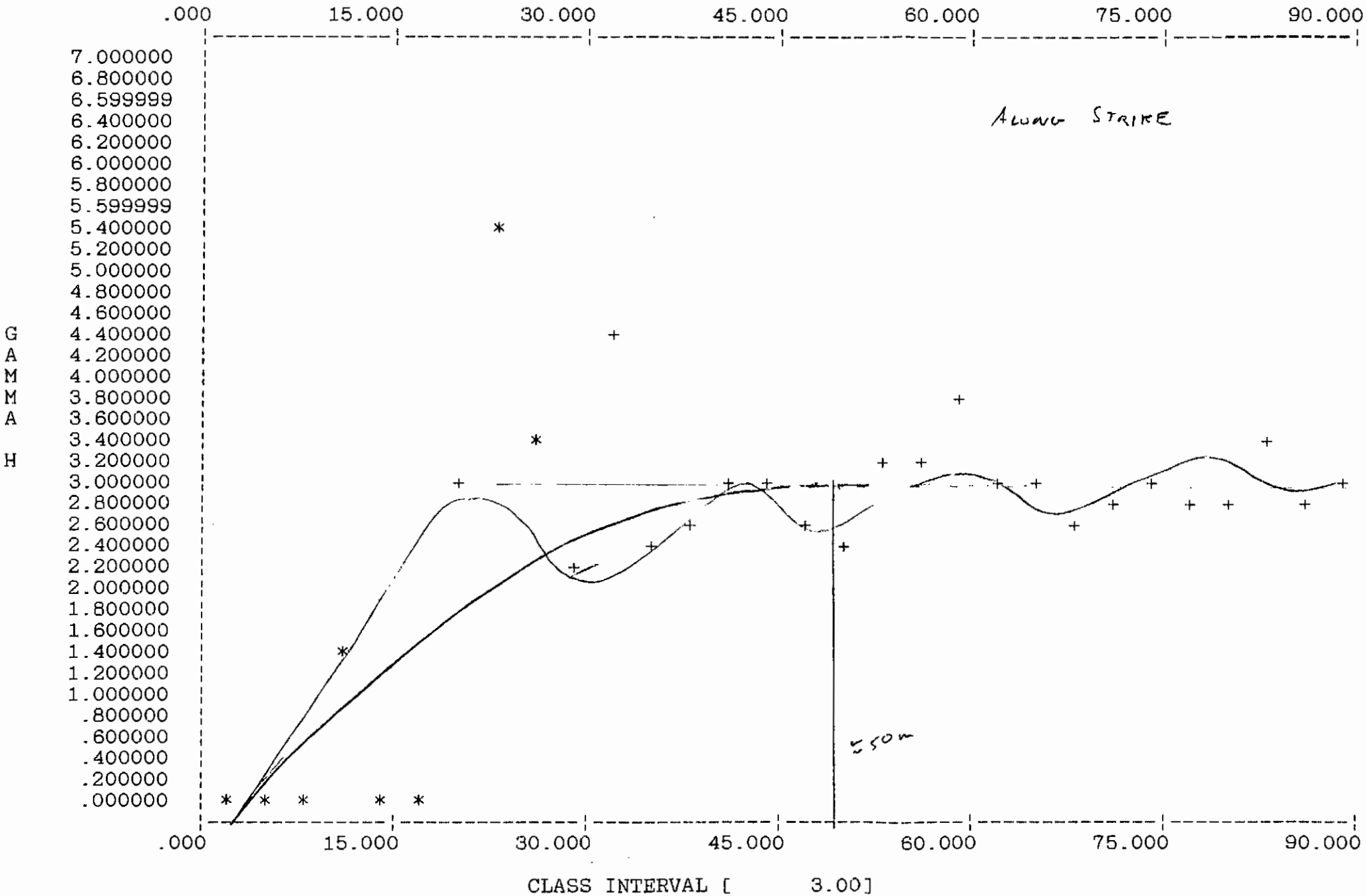
TOTAL NUMBER OF SAMPLES USED : 490
POPULATION MEAN : 4.051
STANDARD DEVIATION : 1.829
VARIANCE : 3.346

MAXIMUM NUMBER OF PAIRS AVAILABLE: 119805
TOTAL NUMBER OF SAMPLE PAIRS USED: 10000
AVERAGE DISTANCE APART : 61.155

TITLE : %Pb - 3m Bch Comp - Rock Code 60
 DESCRIPTION : Semi-variogram 1 (0 Dip Angle)
 FILENAME : e:\vangorda\3mbchpb.mex
 DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60

CLASS INTERVAL FROM	TO	SAMPLE PAIRS	DRIFT	GAMMA(H)	LOCAL MEAN	AVERAGE DISTANCE
.00	3.00	0	.000000	.000000	.000000	.00
3.00	6.00	0	.000000	.000000	.000000	.00
6.00	9.00	0	.000000	.000000	.000000	.00
9.00	12.00	2	-1.505959	1.350845	2.692522	10.40
12.00	15.00	0	.000000	.000000	.000000	.00
15.00	18.00	0	.000000	.000000	.000000	.00
18.00	21.00	11	-1.439111	2.958712	3.619093	20.10
21.00	24.00	7	-2.759671	5.419716	4.593048	22.59
24.00	27.00	8	-1.149411	3.302760	3.553675	25.81
27.00	30.00	126	.276664	2.175826	3.989939	29.29
30.00	33.00	282	.566966	4.322808	4.283996	31.65
33.00	36.00	755	.462944	2.487115	4.190263	34.52
36.00	39.00	709	.131408	2.671496	4.257090	37.28
39.00	42.00	407	-.057285	2.954293	4.268421	40.20
42.00	45.00	252	-.270776	3.071416	4.365552	43.31
45.00	48.00	164	.504424	2.694140	4.505675	46.15
48.00	51.00	117	.204557	2.451340	4.313216	49.40
51.00	54.00	145	.747763	3.158072	4.633690	52.68
54.00	57.00	75	-.362143	3.235334	3.822424	55.64
57.00	60.00	329	.011601	3.734867	4.310948	58.92
60.00	63.00	826	-.010915	2.908942	4.146374	61.65
63.00	66.00	804	-.205290	2.978069	4.139771	64.55
66.00	69.00	1044	.111953	2.645167	3.932455	67.46
69.00	72.00	1078	.197874	2.760081	4.094141	70.36
72.00	75.00	785	-.090847	2.964429	4.125061	73.41
75.00	78.00	684	.040024	2.776972	3.998963	76.50
78.00	81.00	606	.095636	2.855673	4.134991	79.33
81.00	84.00	306	.206383	3.373213	4.234878	82.41
84.00	87.00	222	.014011	2.738962	4.178399	85.29
87.00	90.00	256	.197427	2.921394	4.020116	88.82

TITLE : %Pb - 3m Bch Comp - Rock Code 60
DESCRIPTION : Semi-variogram 1 (0 Dip Angle)
FILENAME : e:\vangorda\3mbchpb.mex
DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60



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

TITLE : %Pb - 3m Bch Comp - Rock Code 60
DESCRIPTION : Semi-variogram 2 (5 Dip Angle)
FILENAME : e:\vangorda\3mbchpb.mex
DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60
VALUE USED : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

FILTERING SPECIFICATION

AZIMUTH : .000
DIP ANGLE : 5.000
SPREAD ANGLE : 45.000
TOP ELEVATION : 1230.000
BOTTOM ELEVATION: 993.000

1ST CLASS VALUE: .000
CLASS INTERVALS: 3.000 [meters]
UPPER CUT-OFF : 99999.000
LOWER CUT-OFF : -99999.000

SUMMARY STATISTICS

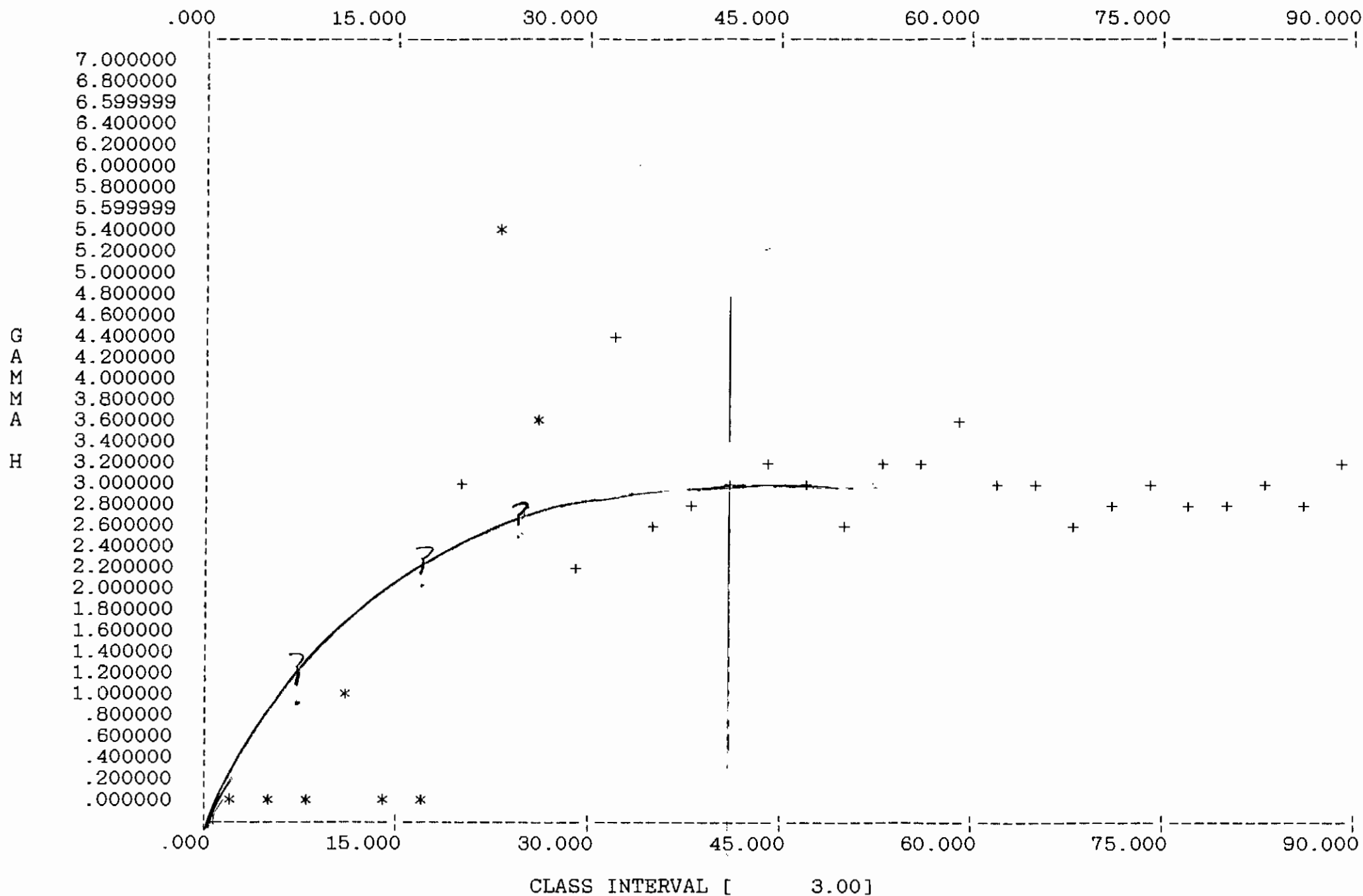
TOTAL NUMBER OF SAMPLES USED : 490
POPULATION MEAN : 4.051
STANDARD DEVIATION : 1.829
VARIANCE : 3.346

MAXIMUM NUMBER OF PAIRS AVAILABLE: 119805
TOTAL NUMBER OF SAMPLE PAIRS USED: 9808
AVERAGE DISTANCE APART : 61.150

TITLE : %Pb - 3m Bch Comp - Rock Code 60
 DESCRIPTION : Semi-variogram 2 (5 Dip Angle)
 FILENAME : e:\vangorda\3mbchpb.mex
 DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60

CLASS INTERVAL FROM	TO	SAMPLE PAIRS	DRIFT	GAMMA(H)	LOCAL MEAN	AVERAGE DISTANCE
.00	3.00	0	.000000	.000000	.000000	.00
3.00	6.00	0	.000000	.000000	.000000	.00
6.00	9.00	0	.000000	.000000	.000000	.00
9.00	12.00	3	-1.035921	.902094	2.457503	10.87
12.00	15.00	0	.000000	.000000	.000000	.00
15.00	18.00	0	.000000	.000000	.000000	.00
18.00	21.00	11	1.439111	2.958712	3.619093	20.10
21.00	24.00	7	2.759671	5.419716	4.593048	22.59
24.00	27.00	7	1.462445	3.697054	3.739292	25.67
27.00	30.00	128	.194213	2.166772	3.970616	29.28
30.00	33.00	282	-.351420	4.322808	4.283996	31.65
33.00	36.00	746	.081400	2.505966	4.195943	34.52
36.00	39.00	699	.158141	2.726330	4.250133	37.27
39.00	42.00	381	-.391227	3.089063	4.271424	40.20
42.00	45.00	203	-.573932	3.279204	4.387412	43.29
45.00	48.00	163	.426508	3.038309	4.525289	46.05
48.00	51.00	107	.154761	2.567832	4.400554	49.36
51.00	54.00	144	.658378	3.279114	4.682920	52.70
54.00	57.00	81	.828107	3.251076	3.841094	55.64
57.00	60.00	333	.391514	3.683339	4.281598	58.90
60.00	63.00	824	.071990	2.913122	4.145377	61.65
63.00	66.00	798	-.053184	2.992616	4.139029	64.55
66.00	69.00	1042	-.210644	2.643518	3.929228	67.46
69.00	72.00	1077	-.221458	2.762321	4.094259	70.36
72.00	75.00	788	-.307532	2.960437	4.123270	73.41
75.00	78.00	678	-.297818	2.779373	4.002758	76.49
78.00	81.00	586	-.646400	2.726538	4.135639	79.33
81.00	84.00	272	.025129	2.990490	4.274096	82.39
84.00	87.00	199	.529773	2.884767	4.189469	85.30
87.00	90.00	249	.530041	3.101826	4.055584	88.86

TITLE : %Pb - 3m Bch Comp - Rock Code 60
 DESCRIPTION : Semi-variogram 2 (5 Dip Angle)
 FILENAME : e:\vangorda\3mbchpb.mex
 DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60



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

TITLE : %Pb - 3m Bch Comp - Rock Code 60
DESCRIPTION : Semi-variogram 3 (10 Dip Angle)
FILENAME : e:\vangorda\3mbchpb.mex
DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60
VALUE USED : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

FILTERING SPECIFICATION

AZIMUTH : .000
DIP ANGLE : 10.000
SPREAD ANGLE : 45.000
TOP ELEVATION : 1230.000
BOTTOM ELEVATION: 993.000

1ST CLASS VALUE: .000
CLASS INTERVALS: 3.000 [meters]
UPPER CUT-OFF : 99999.000
LOWER CUT-OFF : -99999.000

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES USED : 490
POPULATION MEAN : 4.051
STANDARD DEVIATION : 1.829
VARIANCE : 3.346

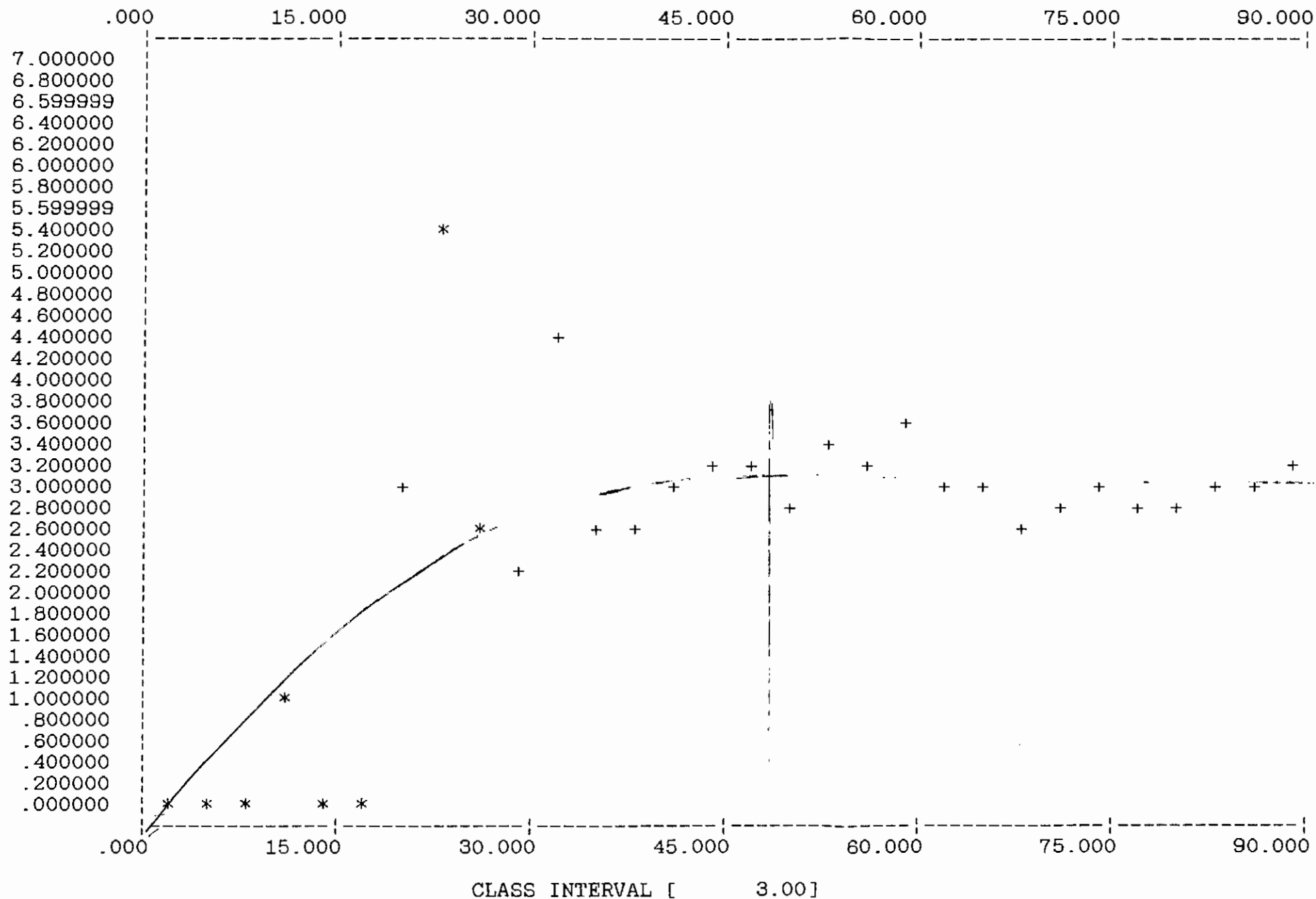
MAXIMUM NUMBER OF PAIRS AVAILABLE: 119805
TOTAL NUMBER OF SAMPLE PAIRS USED: 9392
AVERAGE DISTANCE APART : 61.128

TITLE : %Pb - 3m Bch Comp - Rock Code 60
 DESCRIPTION : Semi-variogram 3 (10 Dip Angle)
 FILENAME : e:\vangorda\3mbchpb.mex
 DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60

CLASS INTERVAL FROM	TO	SAMPLE PAIRS	DRIFT	GAMMA(H)	LOCAL MEAN	AVERAGE DISTANCE
.00	3.00	0	.000000	.000000	.000000	.00
3.00	6.00	0	.000000	.000000	.000000	.00
6.00	9.00	0	.000000	.000000	.000000	.00
9.00	12.00	3	-1.035921	.902094	2.457503	10.87
12.00	15.00	0	.000000	.000000	.000000	.00
15.00	18.00	0	.000000	.000000	.000000	.00
18.00	21.00	11	-1.439111	2.958712	3.619093	20.10
21.00	24.00	7	-2.759671	5.419716	4.593048	22.59
24.00	27.00	6	-.937694	2.541492	3.514511	25.80
27.00	30.00	128	.273795	2.166772	3.970616	29.28
30.00	33.00	277	.564843	4.387191	4.289695	31.63
33.00	36.00	731	.478201	2.523657	4.192813	34.52
36.00	39.00	644	.160677	2.682492	4.239125	37.23
39.00	42.00	315	-.012583	2.968034	4.291371	40.12
42.00	45.00	169	-.219259	3.291916	4.359391	43.34
45.00	48.00	148	.397309	3.221138	4.539971	46.13
48.00	51.00	118	.381311	2.761010	4.424587	49.38
51.00	54.00	154	.807964	3.302065	4.742125	52.64
54.00	57.00	79	.067281	3.129289	3.841156	55.62
57.00	60.00	329	.102493	3.669940	4.264263	58.92
60.00	63.00	824	.004860	2.918356	4.144543	61.64
63.00	66.00	795	-.182008	2.989634	4.118725	64.56
66.00	69.00	1043	.118170	2.641721	3.928354	67.46
69.00	72.00	1065	.200319	2.788104	4.102115	70.35
72.00	75.00	766	-.069567	3.033264	4.138373	73.40
75.00	78.00	618	.137630	2.857133	4.006971	76.47
78.00	81.00	507	.229654	2.710414	4.106214	79.34
81.00	84.00	201	.141130	3.072697	4.316566	82.43
84.00	87.00	196	.170486	3.003503	4.167657	85.33
87.00	90.00	258	.133635	3.180468	4.049506	88.83

TITLE : %Pb - 3m Bch Comp - Rock Code 60
 DESCRIPTION : Semi-variogram 3 (10 Dip Angle)
 FILENAME : e:\vangorda\3mbchpb.mex
 DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60

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

TITLE : %Pb - 3m Bch Comp - Rock Code 60
DESCRIPTION : Semi-variogram 4 (15 Dip Angle)
FILENAME : e:\vangorda\3mbchpb.mex
DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60
VALUE USED : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

FILTERING SPECIFICATION

AZIMUTH : .000
DIP ANGLE : 15.000
SPREAD ANGLE : 45.000
TOP ELEVATION : 1230.000
BOTTOM ELEVATION: 993.000

1ST CLASS VALUE: .000
CLASS INTERVALS: 3.000 [meters]
UPPER CUT-OFF : 99999.000
LOWER CUT-OFF : -99999.000

SUMMARY STATISTICS

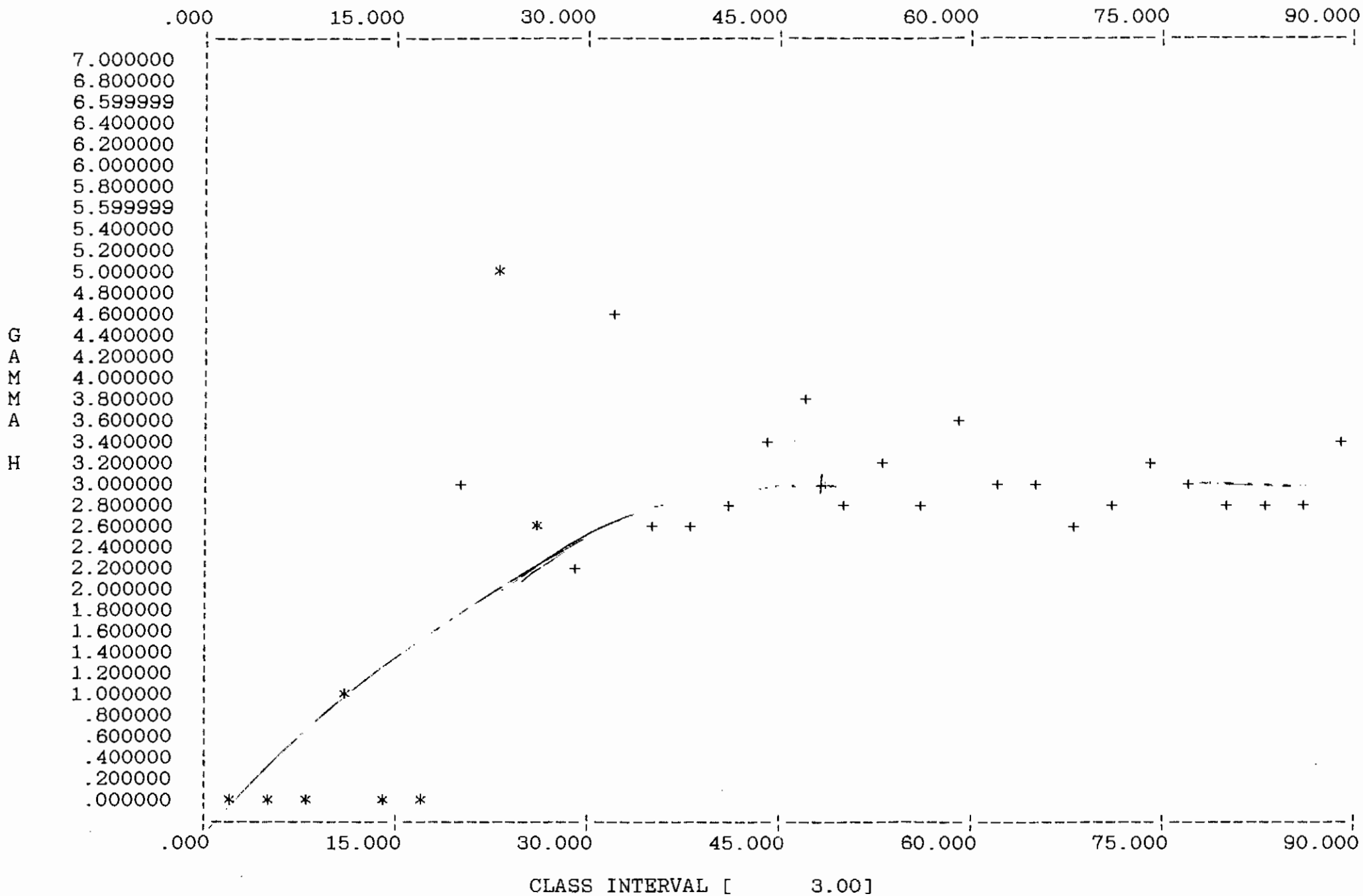
TOTAL NUMBER OF SAMPLES USED : 490
POPULATION MEAN : 4.051
STANDARD DEVIATION : 1.829
VARIANCE : 3.346

MAXIMUM NUMBER OF PAIRS AVAILABLE: 119805
TOTAL NUMBER OF SAMPLE PAIRS USED: 8772
AVERAGE DISTANCE APART : 60.889

TITLE : %Pb - 3m Bch Comp - Rock Code 60
 DESCRIPTION : Semi-variogram 4 (15 Dip Angle)
 FILENAME : e:\vangorda\3mbchpb.mex
 DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60

CLASS INTERVAL FROM	TO	SAMPLE PAIRS	DRIIFT	GAMMA(H)	LOCAL MEAN	AVERAGE DISTANCE
.00	3.00	0	.000000	.000000	.000000	.00
3.00	6.00	0	.000000	.000000	.000000	.00
6.00	9.00	0	.000000	.000000	.000000	.00
9.00	12.00	3	-1.035921	.902094	2.457503	10.87
12.00	15.00	0	.000000	.000000	.000000	.00
15.00	18.00	0	.000000	.000000	.000000	.00
18.00	21.00	11	1.439111	2.958712	3.619093	20.10
21.00	24.00	6	2.543183	4.950319	4.464530	22.48
24.00	27.00	6	.937694	2.541492	3.514511	25.80
27.00	30.00	127	.211620	2.167825	3.971497	29.28
30.00	33.00	263	-.395804	4.545865	4.313986	31.63
33.00	36.00	698	.090469	2.535301	4.178752	34.51
36.00	39.00	563	.157631	2.693530	4.246982	37.21
39.00	42.00	266	-.398338	2.864747	4.252830	40.16
42.00	45.00	148	-.230977	3.397458	4.390389	43.44
45.00	48.00	133	.561185	3.773852	4.595231	46.18
48.00	51.00	125	.043149	2.774602	4.491227	49.40
51.00	54.00	165	.463023	3.137874	4.742252	52.62
54.00	57.00	84	.322942	2.805991	3.939461	55.55
57.00	60.00	338	.395336	3.646156	4.302432	58.90
60.00	63.00	811	.099247	2.944062	4.136545	61.64
63.00	66.00	798	-.057086	3.003529	4.119988	64.57
66.00	69.00	1027	-.208929	2.651702	3.923854	67.45
69.00	72.00	1025	-.211566	2.814237	4.106735	70.35
72.00	75.00	674	-.297406	3.134344	4.101445	73.38
75.00	78.00	511	-.347699	2.928772	3.955152	76.47
78.00	81.00	414	-.916416	2.824362	4.127844	79.24
81.00	84.00	148	-.163836	2.861487	4.217620	82.48
84.00	87.00	179	.551007	2.874098	4.137650	85.33
87.00	90.00	249	.795170	3.331847	4.146667	88.80

TITLE : %Pb - 3m Bch Comp - Rock Code 60
 DESCRIPTION : Semi-variogram 4 (15 Dip Angle)
 FILENAME : e:\vangorda\3mbchpb.mex
 DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60



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

TITLE : %Pb - 3m Bch Comp - Rock Code 60
DESCRIPTION : Average Semi-variogram
FILENAME : e:\vangorda\3mbchpb.mex
DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60
VALUE USED : REAL VALUE
TRANSFORMATION : REAL VALUE
NORMALIZATION : NONE

FILTERING SPECIFICATION

AZIMUTH	:	.000	.000	.000	.000
DIP ANGLE	:	.000	5.000	10.000	15.000
SPREAD ANGLE	:	45.000	45.000	45.000	45.000
TOP ELEVATION	:	1230.000	1230.000	1230.000	1230.000
BOTTOM ELEVATION:		993.000	993.000	993.000	993.000

1ST CLASS VALUE: .000
CLASS INTERVALS: 3.000 [meters]
UPPER CUT-OFF : 99999.000
LOWER CUT-OFF : -99999.000

SUMMARY STATISTICS

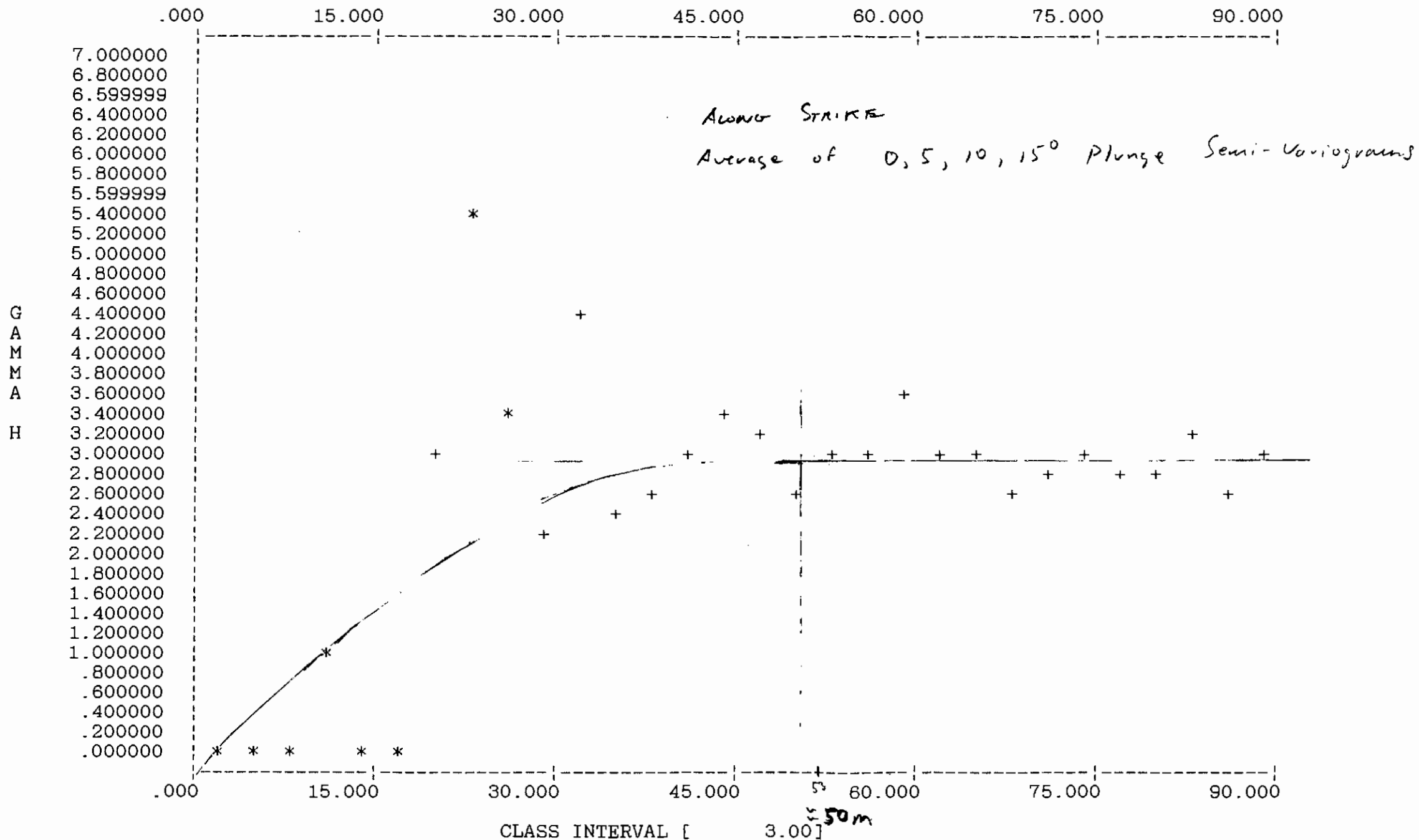
TOTAL NUMBER OF SAMPLES USED	:	490
POPULATION MEAN	:	4.051
STANDARD DEVIATION	:	1.829
VARIANCE	:	3.346

MAXIMUM NUMBER OF PAIRS AVAILABLE:	119805
TOTAL NUMBER OF SAMPLE PAIRS USED:	10417
AVERAGE DISTANCE APART	: 61.302

TITLE : %Pb - 3m Bch Comp - Rock Code 60
 DESCRIPTION : Average Semi-variogram
 FILENAME : e:\vangorda\3mbchpb.mex
 DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60

CLASS INTERVAL FROM	TO	SAMPLE PAIRS	DRIFT	GAMMA(H)	LOCAL MEAN	AVERAGE DISTANCE
.00	3.00	0	.000000	.000000	.000000	.00
3.00	6.00	0	.000000	.000000	.000000	.00
6.00	9.00	0	.000000	.000000	.000000	.00
9.00	12.00	3	-1.035921	.902094	2.457503	10.87
12.00	15.00	0	.000000	.000000	.000000	.00
15.00	18.00	0	.000000	.000000	.000000	.00
18.00	21.00	11	1.439111	2.958712	3.619093	20.10
21.00	24.00	7	1.600072	5.419716	4.593048	22.59
24.00	27.00	8	1.409868	3.302760	3.553675	25.81
27.00	30.00	128	.194213	2.166772	3.970616	29.28
30.00	33.00	282	-.351420	4.322808	4.283996	31.65
33.00	36.00	755	.082191	2.487115	4.190263	34.52
36.00	39.00	714	.202222	2.693298	4.257632	37.28
39.00	42.00	420	-.386996	3.011250	4.268143	40.22
42.00	45.00	291	-.392333	3.331396	4.297161	43.35
45.00	48.00	208	.313783	3.218435	4.459472	46.21
48.00	51.00	160	-.136295	2.693951	4.363930	49.40
51.00	54.00	180	.406409	3.044420	4.671857	52.61
54.00	57.00	97	.290425	2.998898	4.047174	55.57
57.00	60.00	348	.395329	3.636522	4.315373	58.89
60.00	63.00	832	.080799	2.940432	4.147751	61.65
63.00	66.00	812	-.031785	2.989430	4.135070	64.56
66.00	69.00	1048	-.225982	2.648579	3.931684	67.46
69.00	72.00	1080	-.212876	2.761440	4.093480	70.36
72.00	75.00	791	-.319046	2.961606	4.122494	73.41
75.00	78.00	687	-.411224	2.770634	4.000860	76.49
78.00	81.00	614	-.607160	2.833139	4.144397	79.34
81.00	84.00	325	-.099917	3.296129	4.230887	82.44
84.00	87.00	282	.263330	2.660078	4.137790	85.36
87.00	90.00	334	.596298	2.988623	4.019325	88.71

TITLE : %Pb - 3m Bch Comp - Rock Code 60
 DESCRIPTION : Average Semi-variogram
 FILENAME : e:\vangorda\3mbchpb.mex
 DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60



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

TITLE : %Pb - 3m Bch Comp- Rock Code 60
 DESCRIPTION : Average Semi-variogram
 FILENAME : e:\vangorda\3mbchpb.mex
 DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60
 VALUE USED : REAL VALUE
 TRANSFORMATION : REAL VALUE
 NORMALIZATION : NONE

FILTERING SPECIFICATION

AZIMUTH	:	90.000	90.000	90.000	90.000
DIP ANGLE	:	.000	.000	.000	.000
SPREAD ANGLE	:	45.000	30.000	25.000	20.000
TOP ELEVATION	:	1230.000	1230.000	1230.000	1230.000
BOTTOM ELEVATION:		993.000	993.000	993.000	993.000

1ST CLASS VALUE: .000
 CLASS INTERVALS: 3.000 [meters]
 UPPER CUT-OFF : 99999.000
 LOWER CUT-OFF : -99999.000

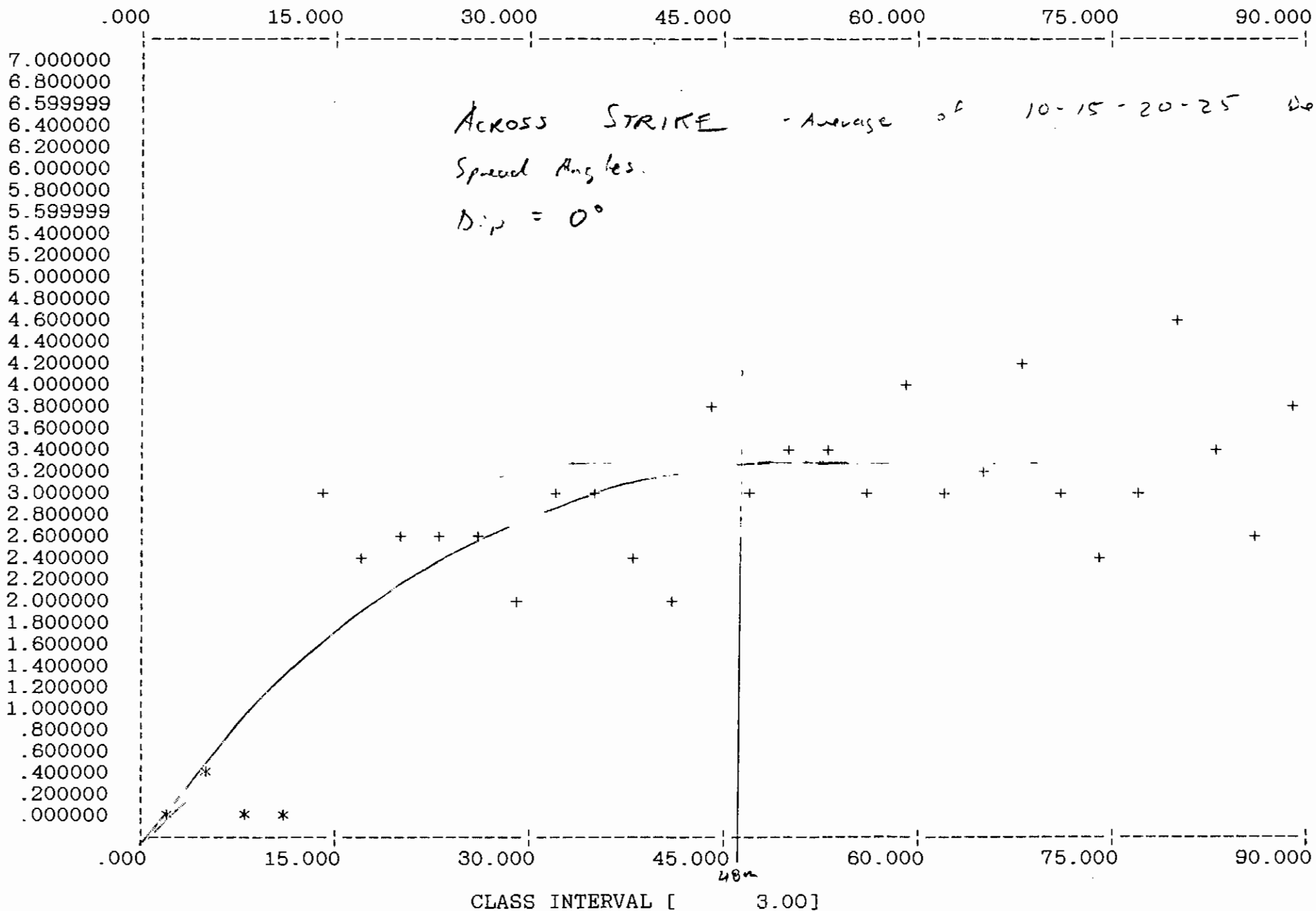
SUMMARY STATISTICS
 TOTAL NUMBER OF SAMPLES USED : 492
 POPULATION MEAN : 4.047
 STANDARD DEVIATION : 1.827
 VARIANCE : 3.337

MAXIMUM NUMBER OF PAIRS AVAILABLE: 120786
 TOTAL NUMBER OF SAMPLE PAIRS USED: 6454
 AVERAGE DISTANCE APART : 55.874

TITLE : %Pb - 3m Bch Comp- Rock Code 60
 DESCRIPTION : Average Semi-variogram
 FILENAME : e:\vangorda\3mbchpb.mex
 DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60

CLASS INTERVAL FROM	TO	SAMPLE PAIRS	DRIFT	GAMMA(H)	LOCAL MEAN	AVERAGE DISTANCE
.00	3.00	0	.000000	.000000	.000000	.00
3.00	6.00	3	-.071223	.322764	1.971383	5.04
6.00	9.00	0	.000000	.000000	.000000	.00
9.00	12.00	1	.115501	.006670	2.396692	9.37
12.00	15.00	55	-.951035	2.939642	4.085280	14.12
15.00	18.00	220	-.505356	2.454148	4.002952	16.62
18.00	21.00	125	-.134239	2.549481	3.800368	19.27
21.00	24.00	102	.244762	2.575329	3.625855	22.46
24.00	27.00	77	-.101035	2.604387	3.967666	25.34
27.00	30.00	172	.271509	1.990568	4.235678	28.89
30.00	33.00	388	-.505759	3.093930	4.093053	31.42
33.00	36.00	203	.079488	2.918132	4.130541	34.42
36.00	39.00	208	-.295894	2.373718	4.046376	37.45
39.00	42.00	241	.008290	1.934364	4.049669	40.69
42.00	45.00	201	-.160065	3.836981	4.127304	43.59
45.00	48.00	271	-.100214	3.000500	4.164259	46.46
48.00	51.00	192	-.397441	3.341699	4.225048	49.44
51.00	54.00	247	.040295	3.344047	4.184380	52.56
54.00	57.00	403	-.096446	2.911252	4.292759	55.54
57.00	60.00	453	-.238123	4.038870	4.063436	58.63
60.00	63.00	436	-.254764	3.097391	3.969133	61.47
63.00	66.00	310	.215020	3.149181	4.102613	64.32
66.00	69.00	228	-.492915	4.215803	4.155644	67.57
69.00	72.00	245	-.167141	2.957906	4.036978	70.27
72.00	75.00	293	.464126	2.446129	3.878029	73.59
75.00	78.00	241	.108527	2.956868	3.933991	76.42
78.00	81.00	229	.650859	4.614117	4.095807	79.56
81.00	84.00	358	.268237	3.362901	3.818355	82.56
84.00	87.00	316	-.094450	2.614341	3.981492	85.43
87.00	90.00	236	.473043	3.707253	3.737980	88.47

TITLE : %Pb - 3m Bch Comp- Rock Code 60
 DESCRIPTION : Average Semi-variogram
 FILENAME : e:\vangorda\3mbchpb.mex
 DESCRIPTION : %Pb - 3m bench comp. - Rock Code 60



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