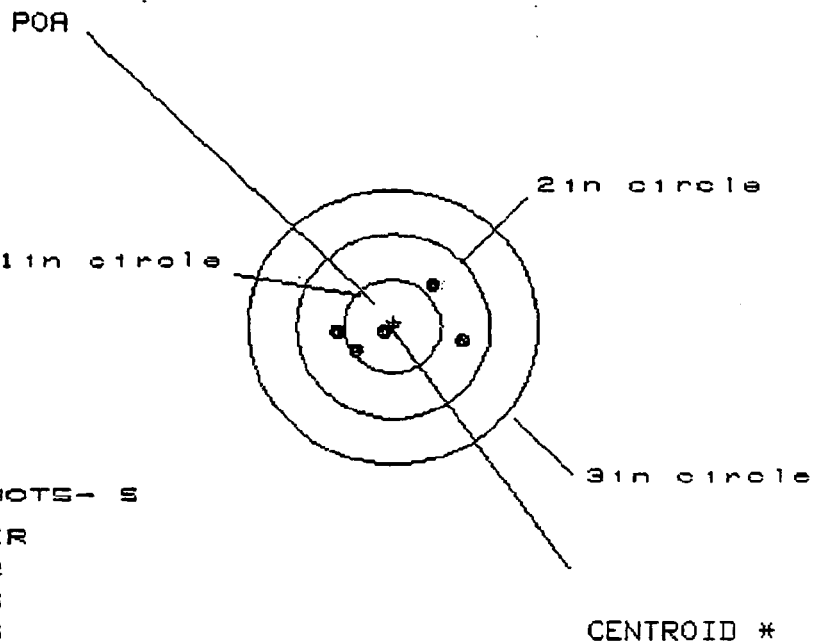


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FILE:/PATTERNING/CENTERFIRE_PATT/81091170

CENTERFIRE PATTERNS # 2



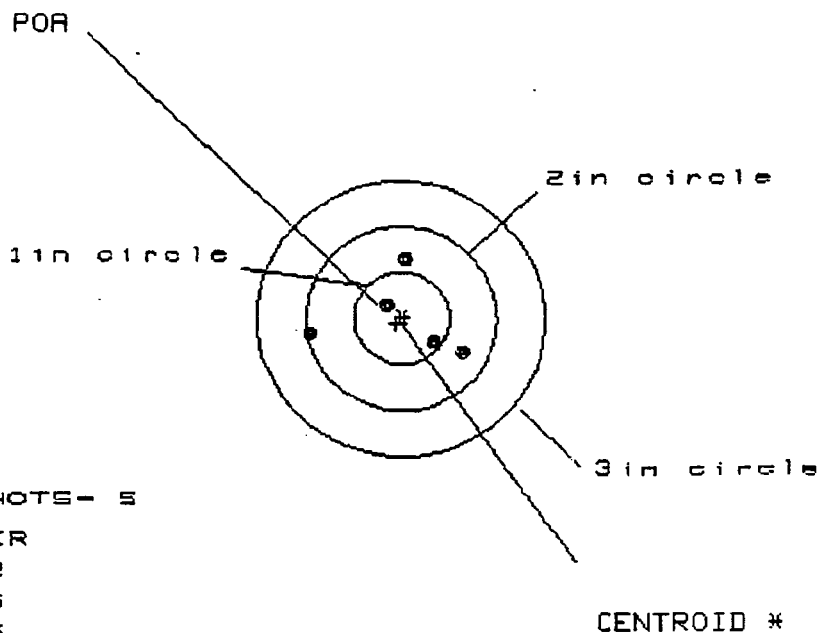
OF SHOTS- 5
IN CIR
1 in = 2
2 in = 3
3 in = 5
HS= 1.343
VS= .693
GS= 1.350

PATTERN #	:	2	4	3
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.720	.605	.269
MINIMUM X	:	-.623	-.443	-.241
MAXIMUM Y	:	.471	.426	.063
MINIMUM Y	:	-.222	-.267	-.124
CENTROID X	:	-.013	-.193	-.395
CENTROID Y	:	-.046	-.002	-.144
POA TO CENTROID in.	:	.048	.193	.420
MIN RADIUS	:	.118	.105	.127
MEAN RADIUS	:	.517	.412	.217
MAX RADIUS	:	.742	.740	.276
HORIZONTAL SPREAD	:	1.343	1.048	.510
VERTICAL SPREAD	:	.693	.693	.187
EXTREME SPREAD	:	1.350	1.164	.510
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	5		

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FILE:/PATTERNING/CENTERFIRE_PATT/A1031170

CENTERFIRE PATTERNS # 3



OF SHOTS- 5

IN CIR

1in = 2

2in = 5

3in = 5

HS= 1.622

VS= .954

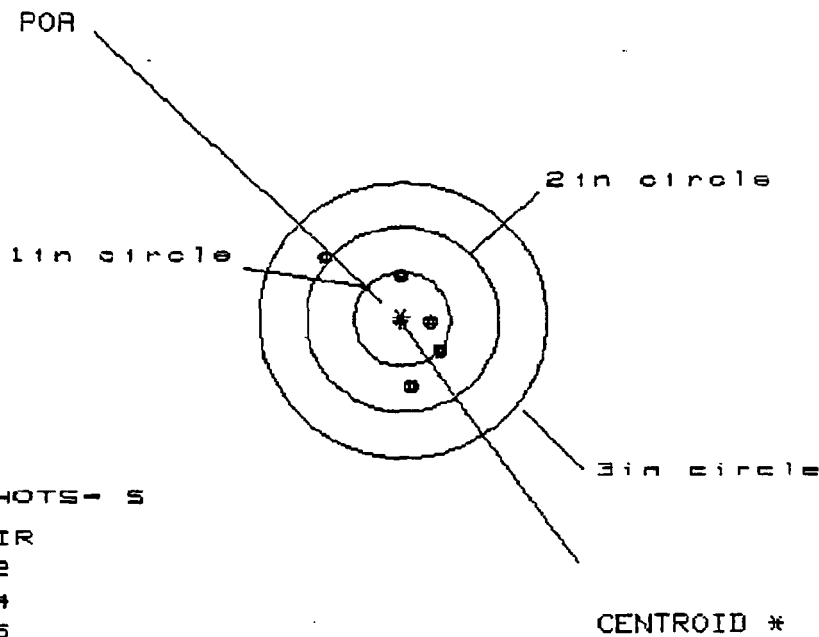
GS= 1.636

PATTERN #	1	3	4	3
SHOTS (BEST OF)	5	4	3	
MAXIMUM X	.678	.442	.297	
MINIMUM X	-.944	-.434	-.286	
MAXIMUM Y	.597	.562	.431	
MINIMUM Y	-.357	-.392	-.412	
CENTROID X	.063	.299	.151	
CENTROID Y	.057	.092	.223	
POR TO CENTROID in.	.085	.313	.269	
MIN RADIUS	.246	.318	.287	
MEAN RADIUS	.605	.485	.409	
MAX RADIUS	.954	.591	.507	
HORIZONTAL SPREAD	1.622	.876	.583	
VERTICAL SPREAD	.954	.954	.843	
EXTREME SPREAD	1.636	1.127	.897	
NUMBER IN ONE INCH CIRCLE =		2		
NUMBER IN TWO INCH CIRCLE =		5		
NUMBER IN THREE INCH CIRCLE =		5		

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FILE:/PATTERNING/CENTERFIRE_PATT/A1030955

CENTERFIRE PATTERNS # 1



OF SHOTS- 5

IN CIR

1in = 2

2in = 4

3in = 5

HS= 1.193

VS= 1.402

GS= 1.653

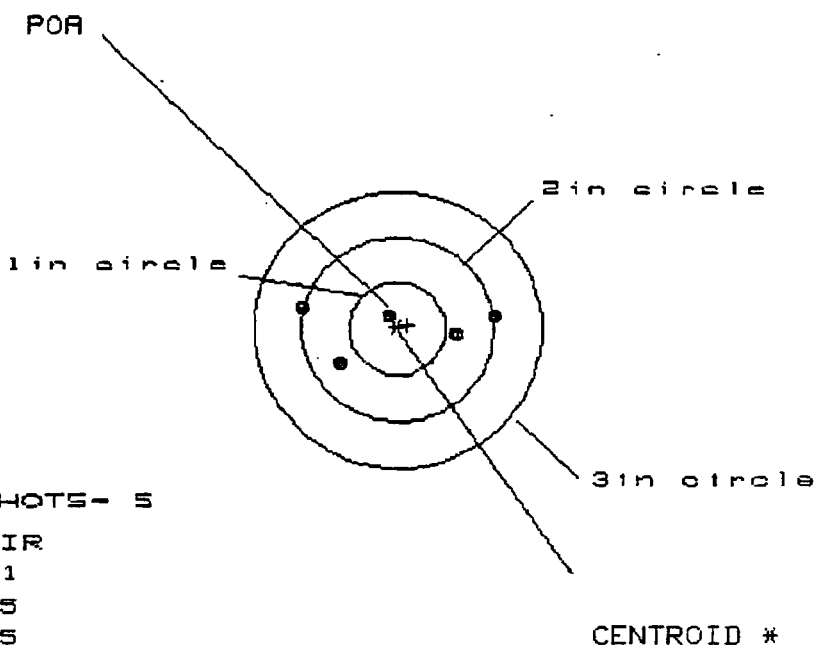
AVG. G.S. = 1.78

PATTERN #	:	1		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.429	.238	.211
MINIMUM X	:	-.764	-.222	-.249
MAXIMUM Y	:	.690	.634	.454
MINIMUM Y	:	-.712	-.540	-.374
CENTROID X	:	.012	.203	.230
CENTROID Y	:	.030	-.142	.030
POA TO CENTROID in.	:	.033	.248	.233
MIN RADIUS	:	.266	.119	.089
MEAN RADIUS	:	.609	.411	.345
MAX RADIUS	:	1.029	.672	.518
HORIZONTAL SPREAD	:	1.193	.460	.460
VERTICAL SPREAD	:	1.402	1.174	.828
EXTREME SPREAD	:	1.653	1.183	.947
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

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FILE:/PATTERNING/CENTERFIRE_PATT/A1030355

CENTERFIRE PATTERNS # 2



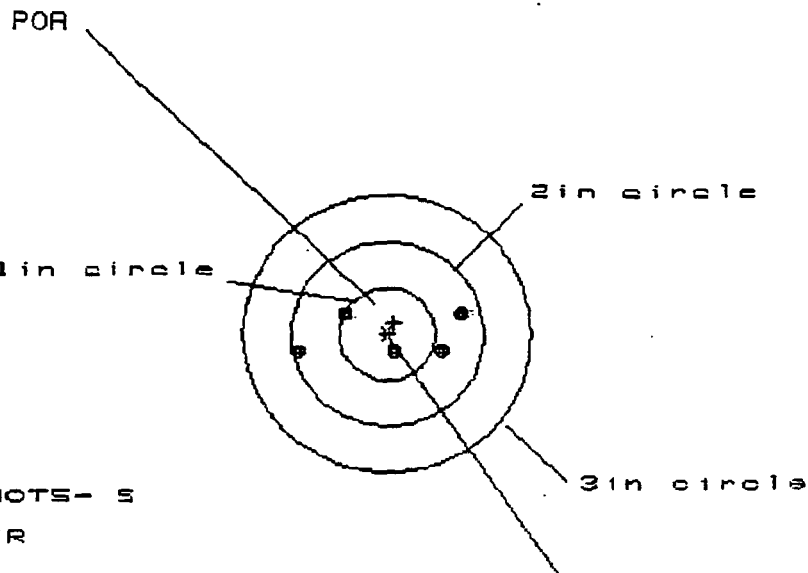
OF SHOTS- 5
 # IN CIR
 1 in = 1
 2 in = 3
 3 in = 1
 HS= 1.919
 VS= .521
 GS= 1.922

PATTERN #	:	2		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.967	.728	.655
MINIMUM X	:	-.952	-.786	-.543
MAXIMUM Y	:	.188	.134	.177
MINIMUM Y	:	-.333	-.286	-.243
CENTROID X	:	-.184	.135	-.108
CENTROID Y	:	-.032	-.079	-.122
POA TO CENTROID in.	:	.108	.156	.163
MIN RADIUS	:	.146	.380	.210
MEAN RADIUS	:	.676	.592	.488
MAX RADIUS	:	.971	.836	.659
HORIZONTAL SPREAD	:	1.919	1.514	1.198
VERTICAL SPREAD	:	.521	.420	.420
EXTREME SPREAD	:	1.922	1.570	1.237
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		5	

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FILE:/PATTERNING/CENTERFIRE_PATT/A1090955

CENTERFIRE PATTERNS # 3



OF SHOTS- 5

IN CIR

1 in = 2

2 in = 5

3 in = 5

HS= 1.724

VS= .480

GS= 1.768

CENTROID *

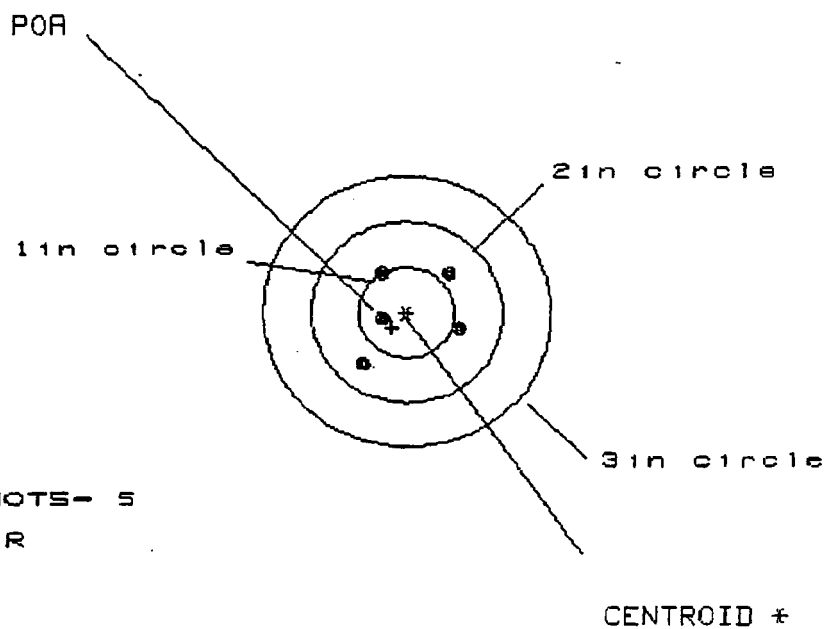
PATTERN #	1	3	4	3
SHOTS (BEST OF)	5	4	3	
MAXIMUM X	.761	.520	.540	
MINIMUM X	-.963	-.689	-.516	
MAXIMUM Y	.262	.230	.261	
MINIMUM Y	-.218	-.251	-.174	
CENTROID X	-.063	.178	.005	
CENTROID Y	-.123	-.090	-.167	
POA TO CENTROID in.	.138	.200	.167	
MIN RADIUS	.222	.319	.176	
MEAN RADIUS	.624	.501	.434	
MAX RADIUS	.972	.714	.578	
HORIZONTAL SPREAD	1.724	1.209	1.056	
VERTICAL SPREAD	.480	.480	.435	
EXTREME SPREAD	1.768	1.210	1.112	
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	5		

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FILE:/PATTERNING/CENTERFIRE_PATT/A1090961

CENTERFIRE PATTERNS

1



OF SHOTS- 5

IN CIR

1in = 2

2in = 5

3in = 5

HS= 1.018

VS= .985

GS= 1.332

AVG. G.S. = 1.31

PATTERN #

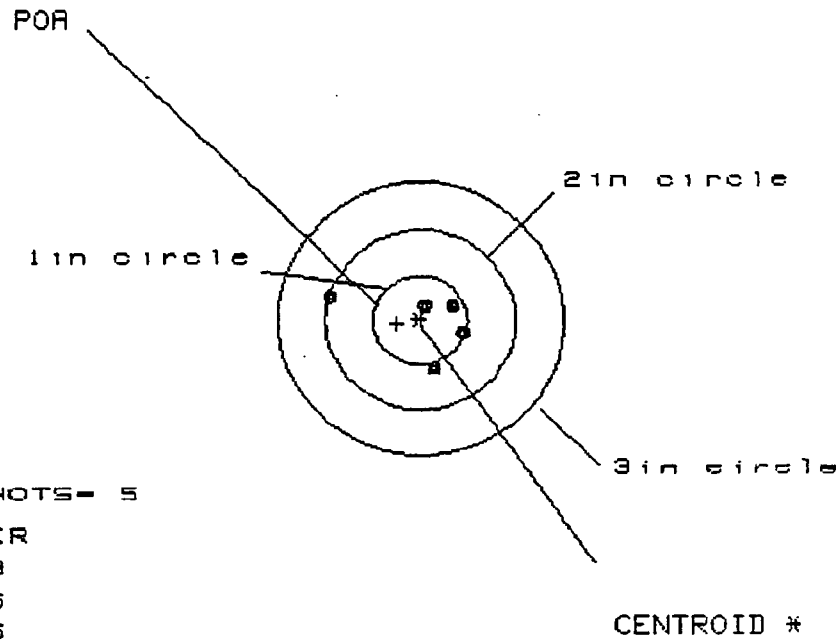
1

SHOTS (BEST OF)	5	4	3
MAXIMUM X	.549	.432	.535
MINIMUM X	-.469	-.393	-.290
MAXIMUM Y	.421	.280	.344
MINIMUM Y	-.564	-.339	-.246
CENTROID X	.153	.270	.167
CENTROID Y	.162	.302	.209
POA TO CENTROID in.	.223	.406	.267
MIN RADIUS	.237	.398	.264
MEAN RADIUS	.527	.458	.434
MAX RADIUS	.733	.549	.589
HORIZONTAL SPREAD	1.018	.825	.825
VERTICAL SPREAD	.985	.620	.590
EXTREME SPREAD	1.332	1.014	1.014
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	5		

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FILE:/PATTERNING/CENTERFIRE_PATT/R1030961

CENTERFIRE PATTERNS # 2



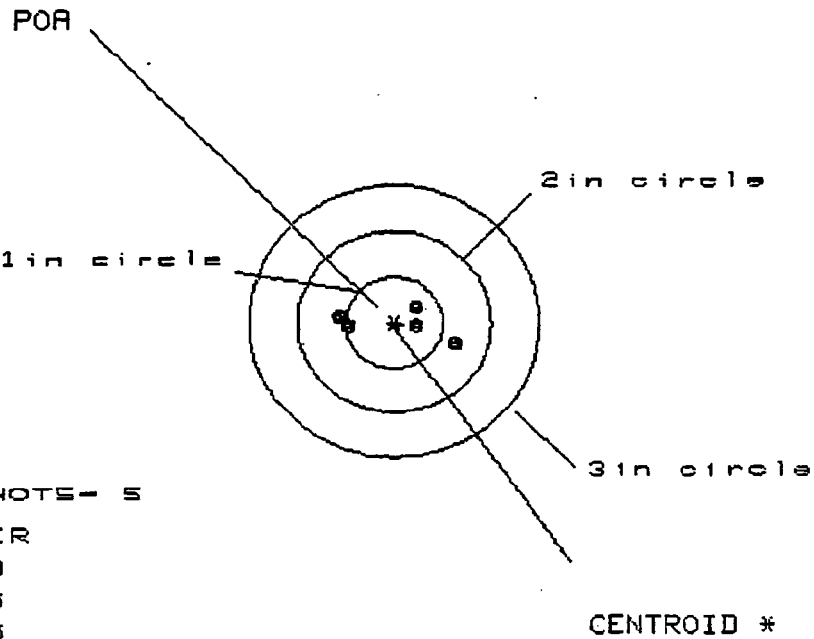
OF SHOTS- 5
 # IN CIR
 1in = 3
 2in = 5
 3in = 5
 HS= 1.370
 VS= .735
 GS= 1.411

PATTERN #	2	4	3
SHOTS (BEST OF)	5	4	3
MAXIMUM X	.409	.169	.130
MINIMUM X	-.961	-.152	-.191
MAXIMUM Y	.216	.265	.111
MINIMUM Y	-.519	-.465	-.220
CENTROID X	.252	.492	.531
CENTROID Y	.034	-.020	.134
POA TO CENTROID in.	.254	.493	.547
MIN RADIUS	.229	.181	.125
MEAN RADIUS	.515	.312	.201
MAX RADIUS	.985	.479	.256
HORIZONTAL SPREAD	1.370	.321	.321
VERTICAL SPREAD	.735	.730	.331
EXTREME SPREAD	1.411	.760	.461
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		5	

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FILE:/PATTERNING/CENTERFIRE_PATT/A1090961

CENTERFIRE PATTERNS # 3



OF SHOTS- 5

IN CIR

1 in = 3

2 in = 5

3 in = 5

HS= 1.140

VS= .432

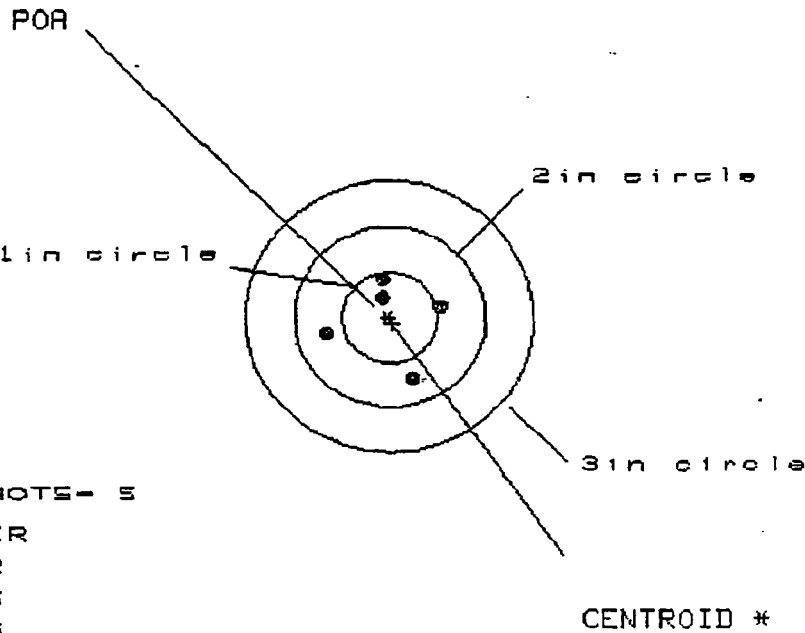
GS= 1.195

PATTERN #	:	3		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.578	.381	.242
MINIMUM X	:	-.562	-.417	-.478
MAXIMUM Y	:	.192	.132	.151
MINIMUM Y	:	-.240	-.128	-.108
CENTROID X	:	-.026	-.171	-.032
CENTROID Y	:	.020	.081	.061
POA TO CENTROID in.	:	.033	.189	.069
MIN RADIUS	:	.236	.355	.246
MEAN RADIUS	:	.442	.388	.334
MAX RADIUS	:	.626	.421	.482
HORIZONTAL SPREAD	:	1.140	.798	.712
VERTICAL SPREAD	:	.432	.259	.259
EXTREME SPREAD	:	1.195	.807	.745
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		5	

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FILE:/PATTERNING/CENTERFIRE_PATT/R1088684

CENTERFIRE PATTERNS # 1



OF SHOTS- 5

IN CIR

1in = 2

2in = 5

3in = 5

HS= 1.220

VS= 1.112

GS= 1.247

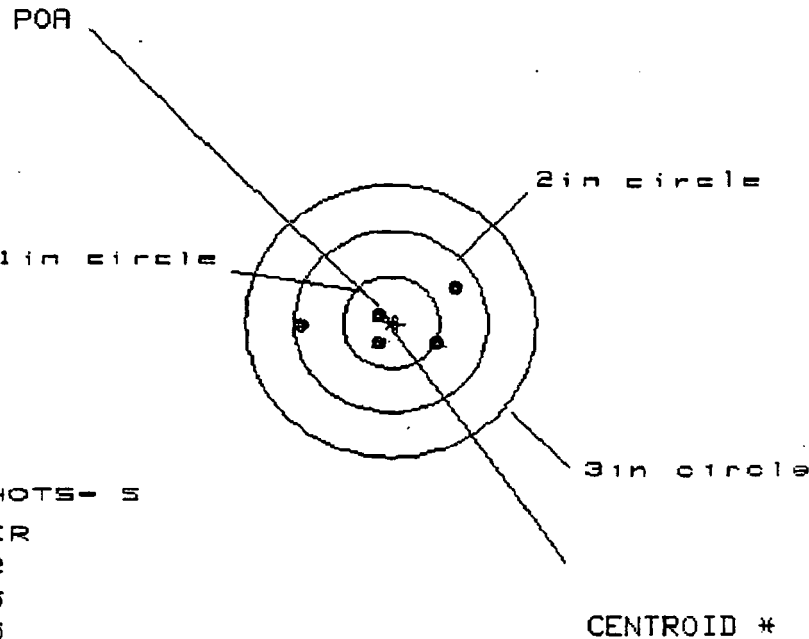
AVG. GS = 1.35

PATTERN #	1	2	3
SHOTS (BEST OF)	5	4	3
MAXIMUM X	.507	.329	.354
MINIMUM X	-.713	-.205	-.180
MAXIMUM Y	.464	.423	.193
MINIMUM Y	-.648	-.689	-.176
CENTROID X	-.032	.146	.121
CENTROID Y	.066	.107	.337
POA TO CENTROID in.	.074	.181	.358
MIN RADIUS	.254	.295	.181
MEAN RADIUS	.532	.447	.279
MAX RADIUS	.731	.693	.395
HORIZONTAL SPREAD	1.220	.534	.534
VERTICAL SPREAD	1.112	1.112	.369
EXTREME SPREAD	1.247	1.145	.643
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		5	

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FILE:/PATTERNING/CENTERFIRE_PATT/A1088684

CENTERFIRE PATTERNS # 2



OF SHOTS- 5

IN CIR

1 in = 2

2 in = 5

3 in = 5

HS= 1.591

VS= .628

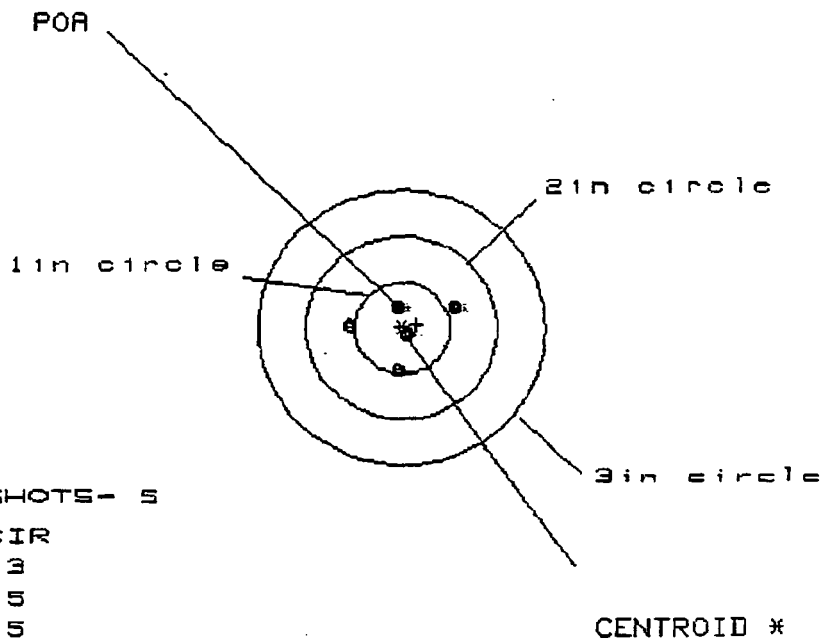
GS= 1.644

PATTERN #	:	2		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.697	.473	.441
MINIMUM X	:	-.894	-.402	-.244
MAXIMUM Y	:	.377	.368	.194
MINIMUM Y	:	-.251	-.260	-.137
CENTROID X	:	-.065	.159	.001
CENTROID Y	:	.018	.027	-.096
POA TO CENTROID in.	:	.067	.161	.096
MIN RADIUS	:	.155	.363	.250
MEAN RADIUS	:	.531	.447	.330
MAX RADIUS	:	.895	.600	.462
HORIZONTAL SPREAD	:	1.591	.875	.685
VERTICAL SPREAD	:	.628	.628	.331
EXTREME SPREAD	:	1.644	1.032	.720
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		5	

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FILE:/PATTERNING/CENTERFIRE_PATT/A1088684

CENTERFIRE PATTERNS # 3



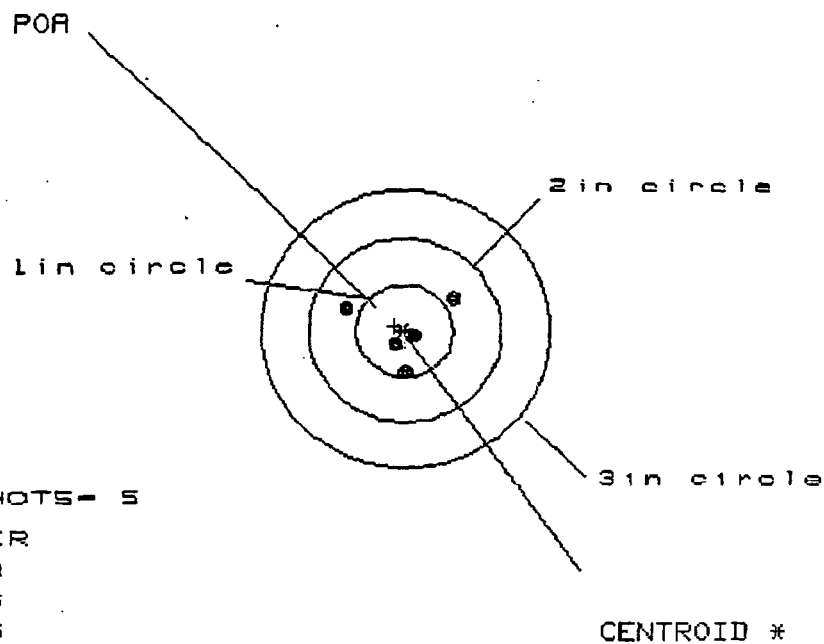
OF SHOTS- 5
 # IN CIR
 1in = 3
 2in = 5
 3in = 5
 HS= 1.146
 VS= .672
 GS= 1.163

PATTERN #	:	3		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.596	.154	.020
MINIMUM X	:	-.550	-.401	-.019
MAXIMUM Y	:	.231	.286	.312
MINIMUM Y	:	-.441	-.386	-.360
CENTROID X	:	-.149	-.298	-.164
CENTROID Y	:	-.036	-.091	-.117
POA TO CENTROID in.	:	.153	.312	.282
MIN RADIUS	:	.033	.156	.052
MEAN RADIUS	:	.378	.320	.242
MAX RADIUS	:	.635	.408	.360
HORIZONTAL SPREAD	:	1.146	.555	.039
VERTICAL SPREAD	:	.672	.672	.672
EXTREME SPREAD	:	1.163	.693	.672
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		5	

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FILE:/PATTERNING/CENTERFIRE_PATT/A1891071

CENTERFIRE PATTERNS # 1



OF SHOTS - 5

IN CIR

1 in = 3

2 in = 5

3 in = 5

HS = 1.071

VS = .849

GS = 1.079

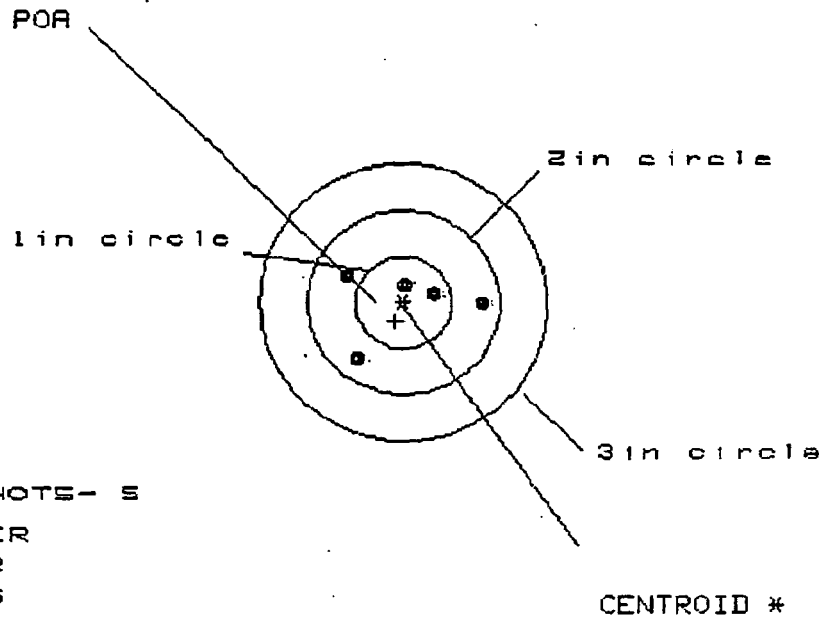
AVG. GS = 1.54

PATTERN #	1	2	3
SHOTS (BEST OF)	5	4	3
MAXIMUM X	.521	.235	.096
MINIMUM X	-.550	-.419	-.107
MAXIMUM Y	.385	.349	.214
MINIMUM Y	-.464	-.367	-.251
CENTROID X	.100	-.031	.109
CENTROID Y	-.055	-.152	-.268
POA TO CENTROID in.	.114	.155	.289
MIN RADIUS	.105	.085	.114
MEAN RADIUS	.405	.321	.200
MAX RADIUS	.648	.545	.252
HORIZONTAL SPREAD	1.071	.655	.203
VERTICAL SPREAD	.849	.716	.465
EXTREME SPREAD	1.079	.916	.473
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	5		

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/R1091071

CENTERFIRE PATTERNS # 2



OF SHOTS- 5

IN CIR

1in = 2

2in = 5

3in = 5

HS= 1.473

VS= .876

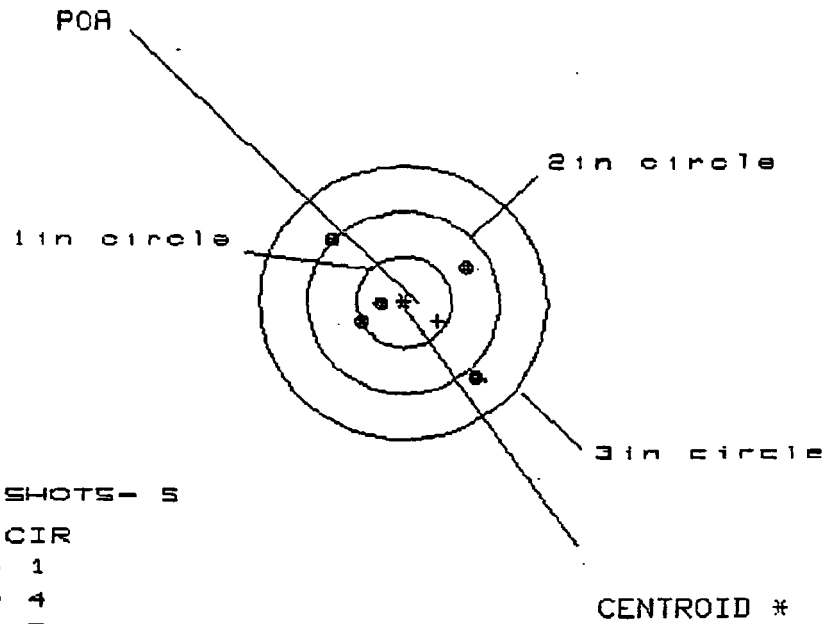
GS= 1.512

PATTERN #	:	2		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.843	.494	.390
MINIMUM X	:	-.630	-.419	-.523
MAXIMUM Y	:	.303	.294	.100
MINIMUM Y	:	-.573	-.582	-.075
CENTROID X	:	.087	-.124	-.020
CENTROID Y	:	.197	.206	.400
POA TO CENTROID in.	:	.215	.240	.401
MIN RADIUS	:	.190	.290	.135
MEAN RADIUS	:	.562	.493	.355
MAX RADIUS	:	.844	.660	.532
HORIZONTAL SPREAD	:	1.473	.913	.913
VERTICAL SPREAD	:	.876	.876	.175
EXTREME SPREAD	:	1.512	1.067	.930
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		5	

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FILE:/PATTERNING/CENTERFIRE_PATT/R1891071

CENTERFIRE PATTERNS # 3

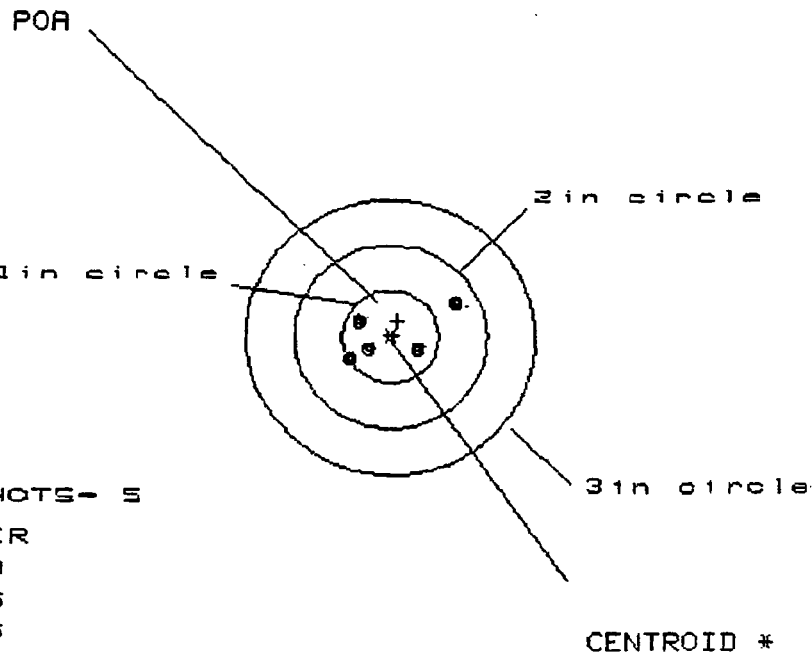


PATTERN #	:	3		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.708	.837	.657
MINIMUM X	:	-.715	-.538	-.453
MAXIMUM Y	:	.639	.440	.350
MINIMUM Y	:	-.794	-.458	-.311
CENTROID X	:	-.352	-.529	-.349
CENTROID Y	:	.214	.413	.266
POA TO CENTROID in.	:	.412	.671	.439
MIN RADIUS	:	.203	.187	.208
MEAN RADIUS	:	.703	.569	.501
MAX RADIUS	:	1.064	.861	.745
HORIZONTAL SPREAD	:	1.423	1.375	1.110
VERTICAL SPREAD	:	1.433	.898	.661
EXTREME SPREAD	:	2.020	1.395	1.292
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

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FILE:/PATTERNING/CENTERFIRE_PATT/A1091279

CENTERFIRE PATTERNS # 1



OF SHOTS- 5

IN CIR

1 in = 3

2 in = 5

3 in = 5

HS= 1.105

VS= .558

GS= 1.239

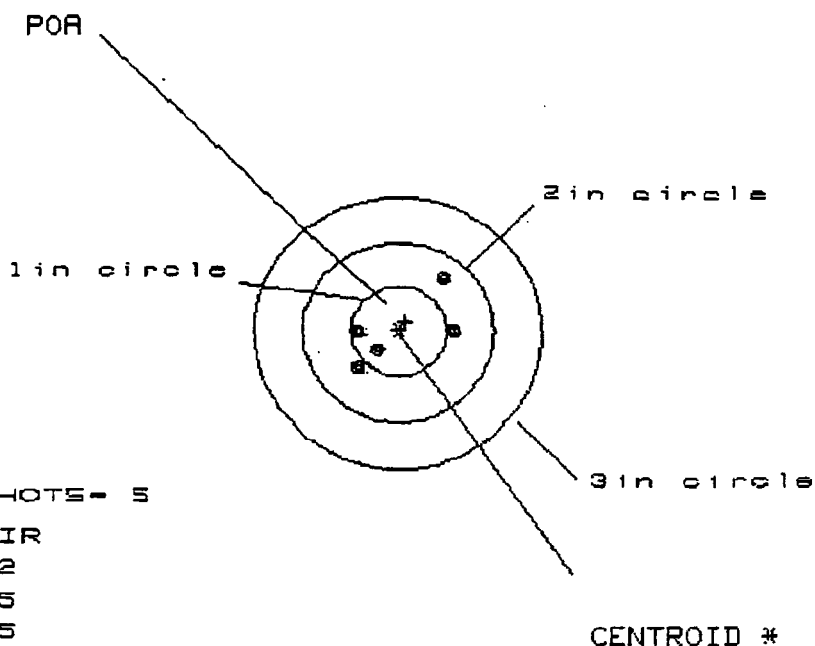
Avg. G.S. = 1.19

PATTERN #	:	1		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.653	.445	.349
MINIMUM X	:	-.452	-.288	-.220
MAXIMUM Y	:	.338	.244	.199
MINIMUM Y	:	-.220	-.135	-.123
CENTROID X	:	-.072	-.236	-.140
CENTROID Y	:	-.169	-.253	-.208
POA TO CENTROID in.:	:	.183	.346	.251
MIN RADIUS	:	.254	.084	.178
MEAN RADIUS	:	.425	.201	.277
MAX RADIUS	:	.736	.446	.357
HORIZONTAL SPREAD	:	1.105	.733	.569
VERTICAL SPREAD	:	.558	.379	.322
EXTREME SPREAD	:	1.239	.740	.632
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		5	

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/A1091279

CENTERFIRE PATTERNS # 2



OF SHOTS- 5

IN CIR

1 in = 2

2 in = 5

3 in = 5

HS- .967

VS- .993

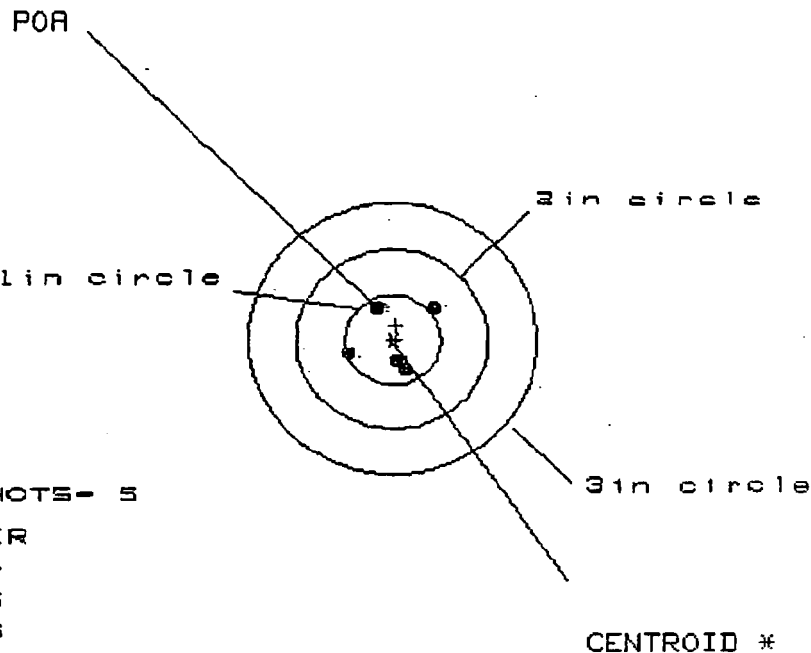
GS- 1.314

PATTERN #	:	2		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.534	.653	.565
MINIMUM X	:	-.433	-.314	-.402
MAXIMUM Y	:	.551	.185	.083
MINIMUM Y	:	-.442	-.304	-.114
CENTROID X	:	-.070	-.190	-.101
CENTROID Y	:	-.101	-.239	-.137
POA TO CENTROID in.	:	.123	.305	.170
MIN RADIUS	:	.245	.076	.199
MEAN RADIUS	:	.506	.378	.392
MAX RADIUS	:	.728	.667	.566
HORIZONTAL SPREAD	:	.967	.967	.967
VERTICAL SPREAD	:	.993	.489	.197
EXTREME SPREAD	:	1.314	1.018	.968
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		5	

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/11091279

CENTERFIRE PATTERNS # 3



OF SHOTS- 5

IN CIR

1in = 4

2in = 5

3in = 5

HS= .897

VS= .694

GS= 1.010

PATTERN #	3	4	3
SHOTS (BEST OF)	5	4	3
MAXIMUM X	.459	.238	.131
MINIMUM X	-.438	-.323	-.131
MAXIMUM Y	.362	.445	.427
MINIMUM Y	-.332	-.249	-.267
CENTROID X	-.029	-.144	-.037
CENTROID Y	-.170	-.253	-.235
POA TO CENTROID in.	.173	.291	.238
MIN RADIUS	.226	.180	.161
MEAN RADIUS	.398	.324	.302
MAX RADIUS	.565	.445	.447
HORIZONTAL SPREAD	.897	.561	.262
VERTICAL SPREAD	.694	.694	.694
EXTREME SPREAD	1.010	.742	.742
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	5		