

TEST AND MEASUREMENT LAB TEST RESULTS

F.E. MARTIN
FILE

REQUESTER: F.E. MARTIN TESTER: J. SELAN - A. COOPER DATE: 10/21/88
REPORT NO.: BB2432 WORK ORDER NO.: 481153
WRITTEN BY: J. SELAN
TEST TYPE: DEVELOPMENTAL

FIREARM STAT'S : MODEL: WEATHERBY - MARK V CAL OR GAUGE: 300 WEATHERBY
BARREL TYPE: MAG. SPORT PROOFED: YES ☒ NO ☐ MAG.

REASON FOR TEST :

TO DETERMINE ACCURACY OF AMMO SUPPLIED BY LONKE IN 300
WEATHERBY MAG.

EQUIPMENT REQUIRED :

6-M-700; CLASSICS. #6202843- #6896103- #6896067- #6209215- #6209210- #6896118
1 MARK-V - WEATHERBY-#23792
AMMO: 300 WEATHERBY MAG - 190 GR. PSP.
20X LYMAN ALL AMERICAN SCOPE - 1X SCOPE BASE (LEUPOLD-LARK) - 1 SET LEUPOLD IEN. (MAG) RINGS.
100 YD. RANGE.
CLEANING RODS - NOPS'S #9 SOLVENT. BUSHNELL GORE SIGHTER. - ASSORTED PATCHES.
DIGITIZING BOARD. CALCOMP #900 AND - HA #800

TEST PROCEDURE :

3X5 SHOT GROUPS PER RIFLE.
IN STILL SCOPE. GORE SIGHT.
WIRE BRUSH WITH NOPS'S #9 SOLVENT. PATCH DRY.
ZERO FOR P.O.I. - RECLEAN
FIRE ONE FOULING SHOT.
SHOOT 5 SHOT GROUP UNTIL 3 GROUPS COMPLETED.
COOL BETWEEN EACH GROUP.
REPEAT CLEANING AND FIRING PROCEDURE.

TEST RESULTS :

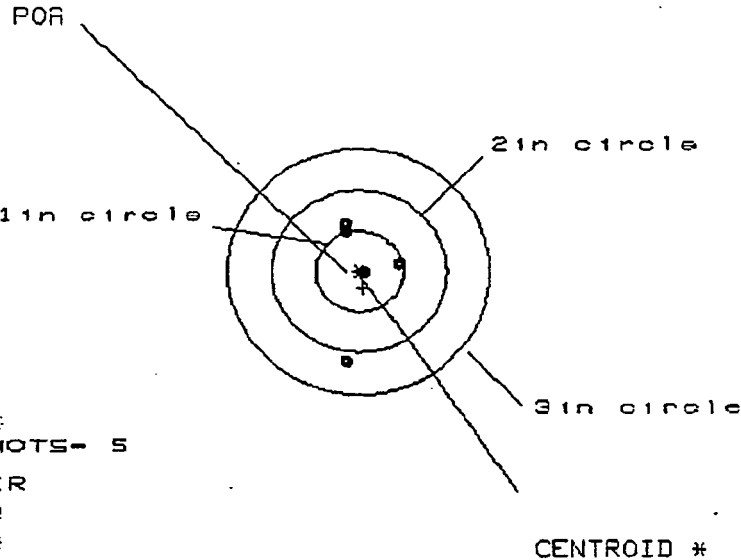
GROUPS:	1	2	3	AVG.	MEAN RADIUS:	1	2	3	AVG
C 6202843 (JS)	1.701	2.356	1.577	1.878		.537	.922	.612	.690
B 6896103 (M)	2.71	2.232	2.136	2.36		.630	.741	.749	.773
B 6896067 (JS)	2.077	2.38	1.889	2.115		.831	1.050	.754	.875
C 6209215 (JS)	.664	1.172	1.633	1.156		.361	.467	.526	.431
C 6209210 (JS)	1.158	1.584	1.621	1.454		.374	.608	.548	.51
B 6896118 (JS)	1.302	1.956	1.732	1.663		.484	.759	.529	.571
23792 (JS)	3.807	2.653	1.856	2.772		1.137	1.032	.716	.962
WOLF-MAG-CONTROL									
AGGREGATE OF 700				CLASSICS - 2.125					AGGREGATE OF 700
									CLASSICS - .774

C-

21 Oct 1988

FILE: PATTERNING/CENTERFIRE_PATT/802432

CENTERFIRE PATTERNS # 1



OF SHOTS- 5

IN CIR

1 in - 2

2 in - 4

3 in = 5

HS- .568

VS= 1.700

GS= 1.701

AVG-G.S = 1.878

A.M.R. = .690

#

C6202843 (F.E.S.)

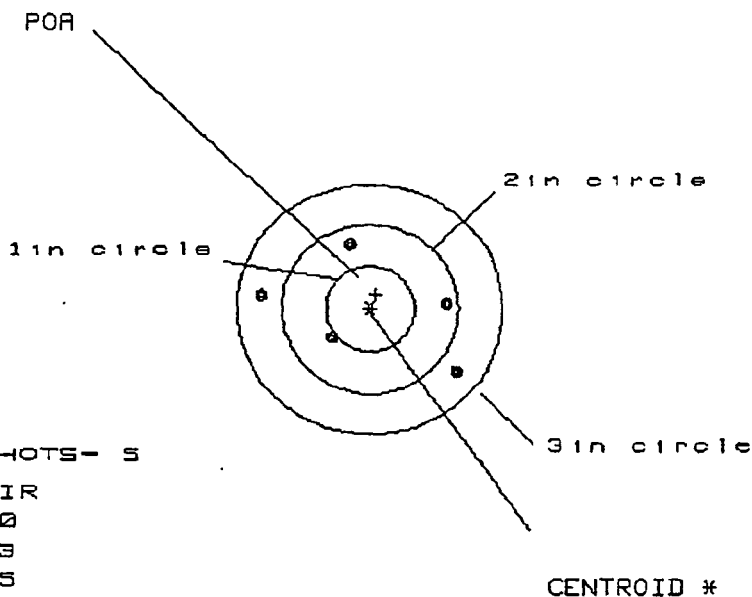
PATTERN #	:	1		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.401	.373	.314
MINIMUM X	:	-.167	-.194	-.254
MAXIMUM Y	:	.550	.263	.292
MINIMUM Y	:	-1.150	-.284	-.197
CENTROID X	:	-.048	-.021	.039
CENTROID Y	:	.208	.495	.408
POA TO CENTROID in.	:	.213	.496	.410
MIN RADIUS	:	.027	.282	.206
MEAN RADIUS	:	.537	.325	.307
MAX RADIUS	:	1.155	.416	.387
HORIZONTAL SPREAD	:	.568	.568	.568
VERTICAL SPREAD	:	1.700	.547	.489
EXTREME SPREAD	:	1.701	.710	.688
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

M/700 "CLASSIC."
 .300 W&W. MAG.
 REM. 190 GR. RSP.
 LYMAN. 20X SCOPE -
 ALL-AMERICAN
 100 YDS. SAND BAG. REST.

21 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/882432

CENTERFIRE PATTERNS # 2



OF SHOTS- 5

IN CIR

1in = 0

2in = 3

3in = 5

HS= 2.179

VS= 1.518

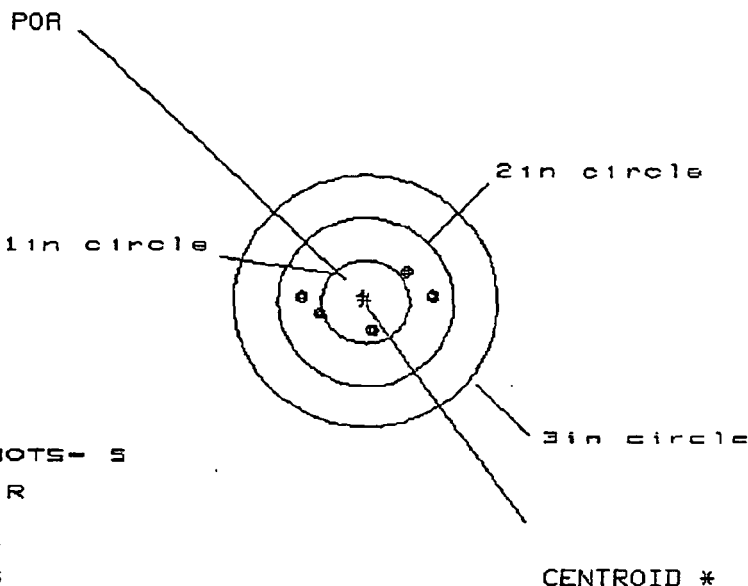
GS= 2.356

PATTERN #	:	2		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.990	1.088	.774
MINIMUM X	:	-1.189	-.941	-.476
MAXIMUM Y	:	.794	.613	.609
MINIMUM Y	:	-.724	-.489	-.493
CENTROID X	:	-.069	-.317	-.003
CENTROID Y	:	-.161	.021	.024
POA TO CENTROID in.	:	.175	.318	.024
MIN RADIUS	:	.513	.516	.678
MEAN RADIUS	:	.922	.791	.715
MAX RADIUS	:	1.227	1.094	.783
HORIZONTAL SPREAD	:	2.179	2.029	1.250
VERTICAL SPREAD	:	1.518	1.102	1.102
EXTREME SPREAD	:	2.356	2.032	1.306
NUMBER IN ONE INCH CIRCLE =			0	
NUMBER IN TWO INCH CIRCLE =			3	
NUMBER IN THREE INCH CIRCLE =			5	

21 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/002432

CENTERFIRE PATTERNS # 3



OF SHOTS- 5

IN CIR

1in - 1

2in - 5

3in = 5

HS- 1.577

VS= .769

GS= 1.577

PATTERN #	:	3		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.804	.621	.430
MINIMUM X	:	-.773	-.572	-.493
MAXIMUM Y	:	.395	.412	.435
MINIMUM Y	:	-.374	-.357	-.334
CENTROID X	:	.033	-.168	.022
CENTROID Y	:	-.061	-.078	-.101
POA TO CENTROID in.	:	.078	.186	.103
MIN RADIUS	:	.377	.327	.340
MEAN RADIUS	:	.612	.521	.485
MAX RADIUS	:	.807	.745	.612
HORIZONTAL SPREAD	:	1.577	1.192	.923
VERTICAL SPREAD	:	.769	.769	.769
EXTREME SPREAD	:	1.577	1.240	1.067
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	5		

21 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/B6896103.1.1

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 5

IN CIR

1 in = 2

2 in = 3

3 in = 4

HS- 2.636

VS- .899

GS- 2.710

AVG. G.S. = 2.36

A.M.C. = .773

B6896103- (R.C.)

PATTERN # : 1

SHOTS (BEST OF)	5	4	3
MAXIMUM X	1.466	.713	.445
MINIMUM X	-1.170	-.804	-.475
MAXIMUM Y	.507	.347	.349
MINIMUM Y	-.392	-.266	-.264
CENTROID X	-.046	-.412	-.144
CENTROID Y	.015	-.111	-.113
POA TO CENTROID in.	.048	.427	.183
MIN RADIUS	.398	.224	.266
MEAN RADIUS	.830	.555	.438
MAX RADIUS	1.551	.804	.566
HORIZONTAL SPREAD	2.636	1.517	.920
VERTICAL SPREAD	.899	.613	.613
EXTREME SPREAD	2.710	1.555	1.017
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	4		

M-700 "CLASSIC"
300 WBY. MAG,
REM- 190 GR. P.S.P.

LYMAN ALL-AMERICAN
20X SCOPE.

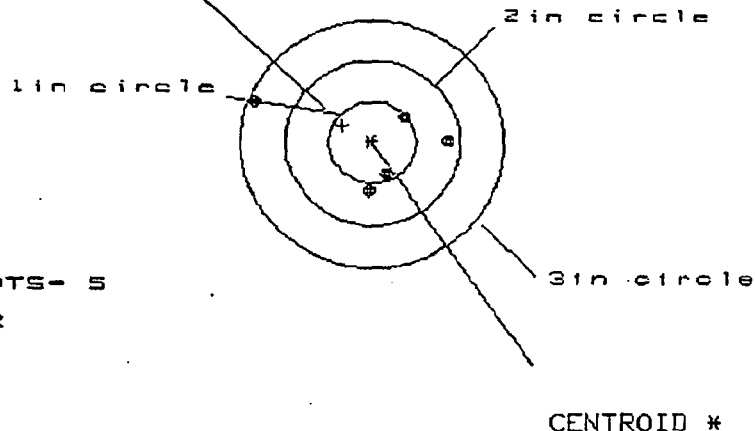
100 YDS. SAND BAG REST.

21 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/86896103.1.1

CENTERFIRE PATTERNS # 2

POA



OF SHOTS- 5

IN CIR

1 in = 2

2 in = 4

3 in = 5

HS= 2.168

VS= 1.110

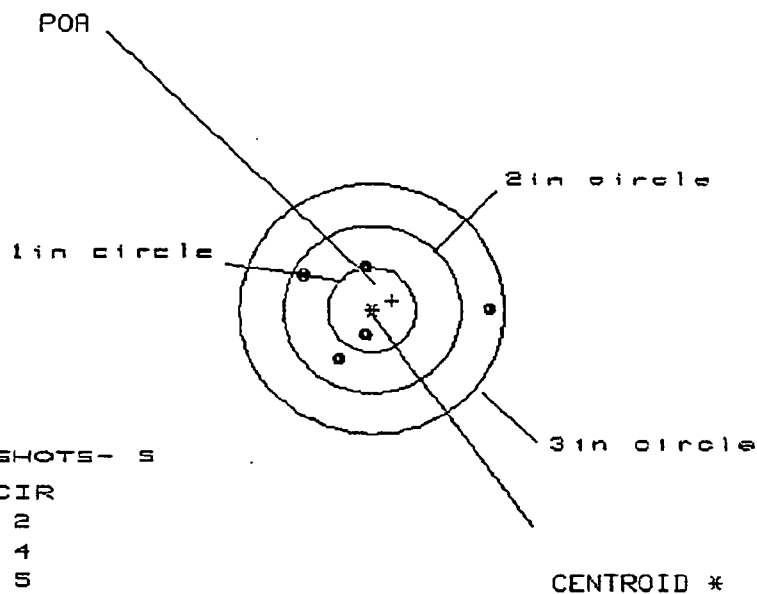
GS= 2.232

PATTERN #	1	2	3
SHOTS (BEST OF)	5	4	3
MAXIMUM X	.827	.492	.189
MINIMUM X	-1.341	-.351	-.187
MAXIMUM Y	.555	.463	.517
MINIMUM Y	-.555	-.416	-.362
CENTROID X	.342	.677	.513
CENTROID Y	-.214	-.353	-.407
POA TO CENTROID in.	.403	.764	.655
MIN RADIUS	.386	.266	.154
MEAN RADIUS	.741	.448	.371
MAX RADIUS	1.451	.545	.550
HORIZONTAL SPREAD	2.168	.843	.376
VERTICAL SPREAD	1.110	.879	.879
EXTREME SPREAD	2.232	1.022	.956
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		5	

21 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/86836103.1.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 5

IN CIR

1 in - 2

2 in - 4

3 in = 5

HS= 2.100

VS= 1.092

GS= 2.136

A

PATTERN #	:	3		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	1.322	.271	.122
MINIMUM X	:	-.778	-.448	-.197
MAXIMUM Y	:	.479	.487	.630
MINIMUM Y	:	-.613	-.605	-.462
CENTROID X	:	-.221	-.551	-.402
CENTROID Y	:	-.118	-.126	-.269
POA TO CENTROID in.	:	.251	.566	.484
MIN RADIUS	:	.336	.382	.183
MEAN RADIUS	:	.749	.542	.442
MAX RADIUS	:	1.322	.620	.641
HORIZONTAL SPREAD	:	2.100	.719	.319
VERTICAL SPREAD	:	1.092	1.092	1.092
EXTREME SPREAD	:	2.136	1.138	1.138
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

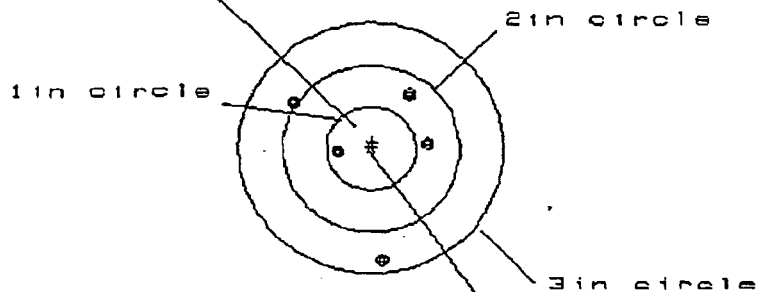
21 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/882432.1

CENTERFIRE PATTERNS

1

POA



OF SHOTS- 5

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS- 1.487

VS= 2.000

GS= 2.077

AVG-G.S. = 2.115

AV_{1/2}R = .875

B6896067 (FES)

PATTERN #

:

1

SHOTS (BEST OF)

:

5

4

3

MAXIMUM X

:

.644

.681

.412

MINIMUM X

:

-.843

-.806

-.614

MAXIMUM Y

:

.710

.388

.459

MINIMUM Y

:

-1.298

-.320

-.249

CENTROID X

:

-.022

-.059

.210

CENTROID Y

:

-.064

.258

.187

POA TO CENTROID in.

:

.068

.265

.281

MIN RADIUS

:

.382

.471

.462

MEAN RADIUS

:

.831

.663

.542

MAX RADIUS

:

1.298

.834

.663

HORIZONTAL SPREAD

:

1.487

1.487

1.026

VERTICAL SPREAD

:

2.000

.708

.708

EXTREME SPREAD

:

2.077

1.567

1.080

NUMBER IN ONE INCH CIRCLE =

1

1

NUMBER IN TWO INCH CIRCLE =

4

4

NUMBER IN THREE INCH CIRCLE =

5

5

M-700- CLASSIC.

.300 W&B MAG.

REM- 190 GR. RSP.

LYMAN- ALL AMERICAN

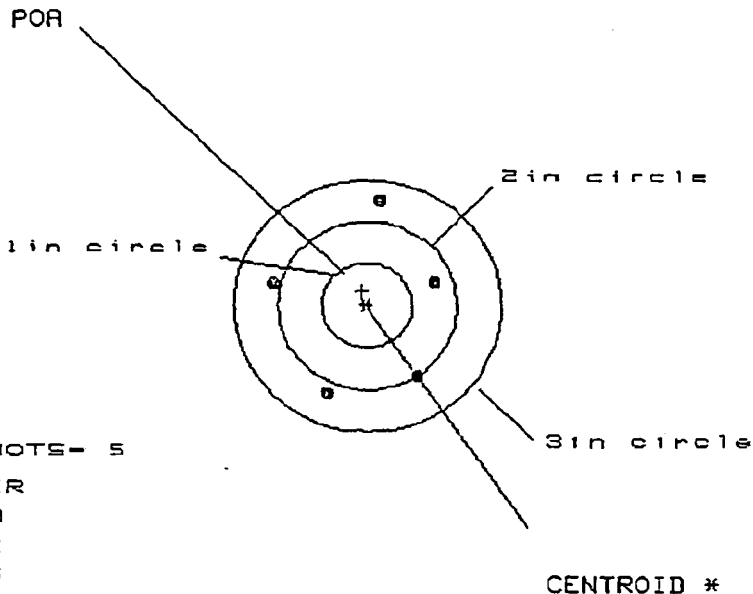
20X SCOPE

100 YDS. SAND BAG REST.

21 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/BS2432.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 5

IN CIR

1 in = 0

2 in = 2

3 in = 5

HS= 1.816

VS= 2.300

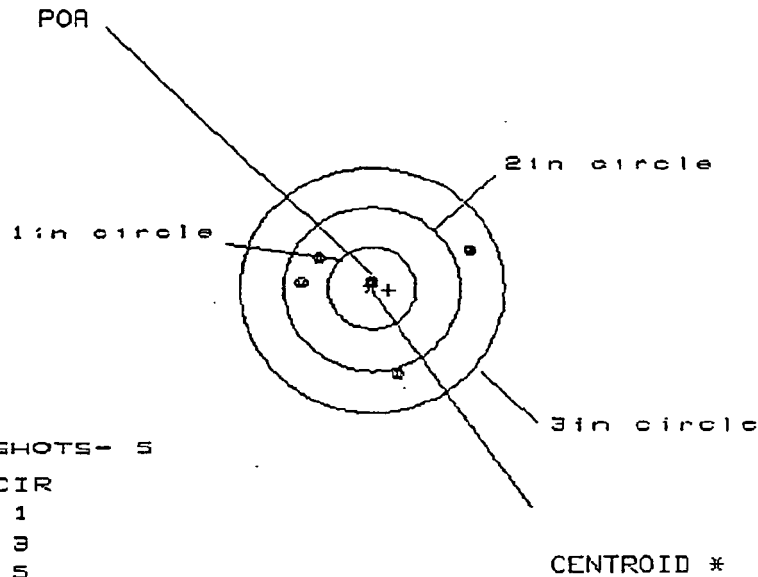
GS= 2.300

PATTERN #	:	2		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.770	.813	.691
MINIMUM X	:	-1.046	-1.003	-1.125
MAXIMUM Y	:	1.269	.613	.372
MINIMUM Y	:	-1.039	-.722	-.723
CENTROID X	:	.052	.009	.131
CENTROID Y	:	-.167	-.484	-.244
POA TO CENTROID in.	:	.175	.485	.277
MIN RADIUS	:	.817	.736	.775
MEAN RADIUS	:	1.050	.931	.934
MAX RADIUS	:	1.281	1.175	1.185
HORIZONTAL SPREAD	:	1.816	1.816	1.816
VERTICAL SPREAD	:	2.300	1.334	1.095
EXTREME SPREAD	:	2.300	1.905	1.905
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		5	

21 Oct 1968

FILE:/PATTERNING/CENTERFIRE_PATT/882432.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 5

IN CIR

1 in - 1

2 in - 3

3 in - 5

HS- 1.829

VS- 1.502

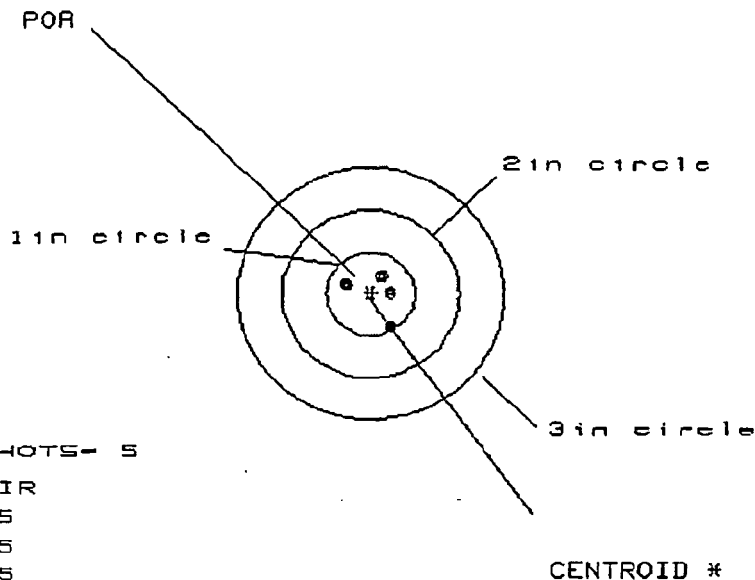
GS- 1.889

PATTERN #	:	3		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	1.064	.604	.417
MINIMUM X	:	-.765	-.499	-.298
MAXIMUM Y	:	.512	.511	.223
MINIMUM Y	:	-.990	-.862	-.121
CENTROID X	:	-.193	-.459	-.660
CENTROID Y	:	.026	-.102	.186
POA TO CENTROID in.	:	.195	.470	.686
MIN RADIUS	:	.076	.284	.253
MEAN RADIUS	:	.754	.616	.335
MAX RADIUS	:	1.181	1.053	.429
HORIZONTAL SPREAD	:	1.029	1.103	.715
VERTICAL SPREAD	:	1.502	1.373	.344
EXTREME SPREAD	:	1.889	1.655	.715
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		5	

21 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/882432.1.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 5

IN CIR

1 in = 5

2 in = 5

3 in = 5

HS= .481

VS= .649

GS= .664

AVG. G.S. = 1.156

A.M.R. = .431

C6209215 (JES)

PATTERN # 1

SHOTS (BEST OF)	5	4	3
MAXIMUM X	.208	.255	.318
MINIMUM X	-.273	-.226	-.163
MAXIMUM Y	.259	.161	.045
MINIMUM Y	-.390	-.130	-.076
CENTROID X	-.027	-.074	-.137
CENTROID Y	-.012	.086	.032
POA TO CENTROID in.	.029	.113	.141
MIN RADIUS	.210	.220	.159
MEAN RADIUS	.301	.246	.210
MAX RADIUS	.433	.286	.327
HORIZONTAL SPREAD	.481	.481	.481
VERTICAL SPREAD	.649	.291	.121
EXTREME SPREAD	.664	.496	.496
NUMBER IN ONE INCH CIRCLE	= 5	5	5
NUMBER IN TWO INCH CIRCLE	= 5	5	5
NUMBER IN THREE INCH CIRCLE	= 5	5	5

M-700 "CLASSIC"
300. WBY. MAG.

REM.- 190 GR PSP.

LYMAN- ALL AMERICAN

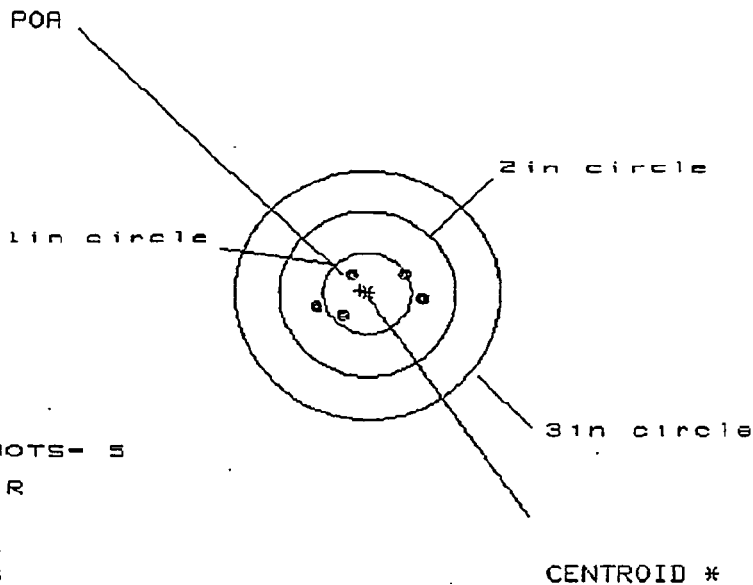
30X SCOPE.

100 YDS. SAND BAG REST.

21 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/882432.1.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 5

IN CIR

1 in = 3

2 in = 5

3 in = 5

HS= 1.169

VS= .489

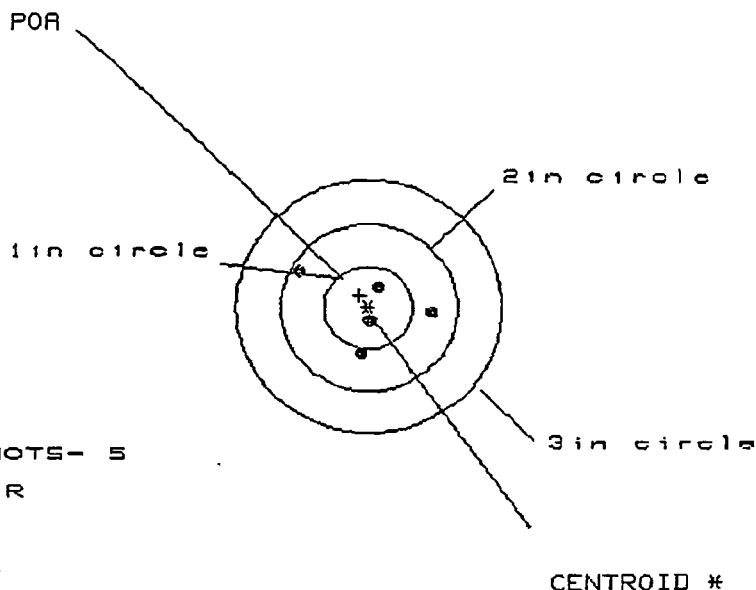
GS= 1.172

PATTERN #	:	2		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.591	.588	.444
MINIMUM X	:	-.578	-.438	-.284
MAXIMUM Y	:	.228	.219	.175
MINIMUM Y	:	-.261	-.270	-.314
CENTROID X	:	.088	-.068	.076
CENTROID Y	:	-.030	-.021	.023
POA TO CENTROID (in.)	:	.086	.071	.079
MIN RADIUS	:	.282	.219	.238
MEAN RADIUS	:	.467	.397	.375
MAX RADIUS	:	.592	.615	.465
HORIZONTAL SPREAD	:	1.169	1.018	.728
VERTICAL SPREAD	:	.489	.489	.489
EXTREME SPREAD	:	1.172	1.065	.857
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		5	

21 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/882432.1.1

CENTERFIRE PATTERNS # 3

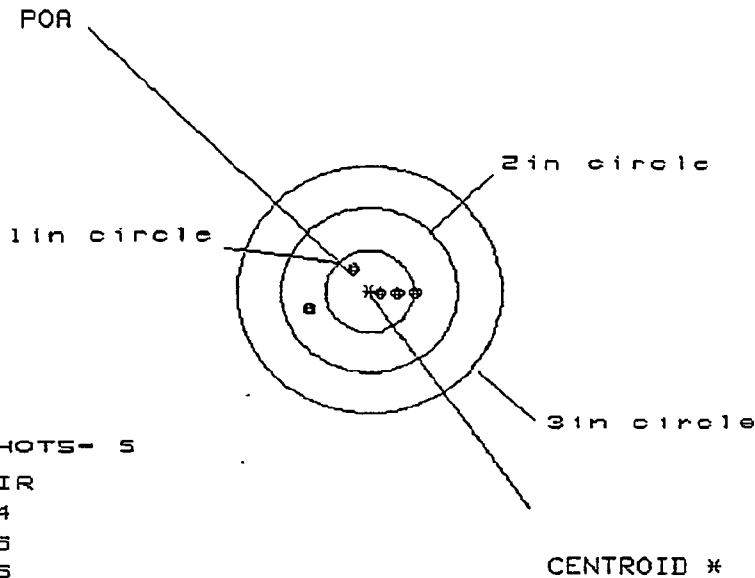


PATTERN #	:	3		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.750	.544	.112
MINIMUM X	:	-.823	-.294	-.112
MAXIMUM Y	:	.404	.378	.400
MINIMUM Y	:	-.512	-.411	-.389
CENTROID X	:	.088	.294	.112
CENTROID Y	:	-.150	-.251	-.273
POA TO CENTROID in.	:	.174	.386	.295
MIN RADIUS	:	.135	.184	.010
MEAN RADIUS	:	.526	.406	.277
MAX RADIUS	:	.917	.548	.415
HORIZONTAL SPREAD	:	1.573	.838	.224
VERTICAL SPREAD	:	.916	.789	.709
EXTREME SPREAD	:	1.633	.964	.820
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		5	

21 Oct 1986

FILE:/PATTERNING/CENTERFIRE_PATT/882432.1.1.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 5

IN CIR

1in = 4

2in = 5

3in = 5

HS= 1.147

VS= .441

GS= 1.158

AVG. G.S. = 1.454

A.M.R. = .51

C.6209210

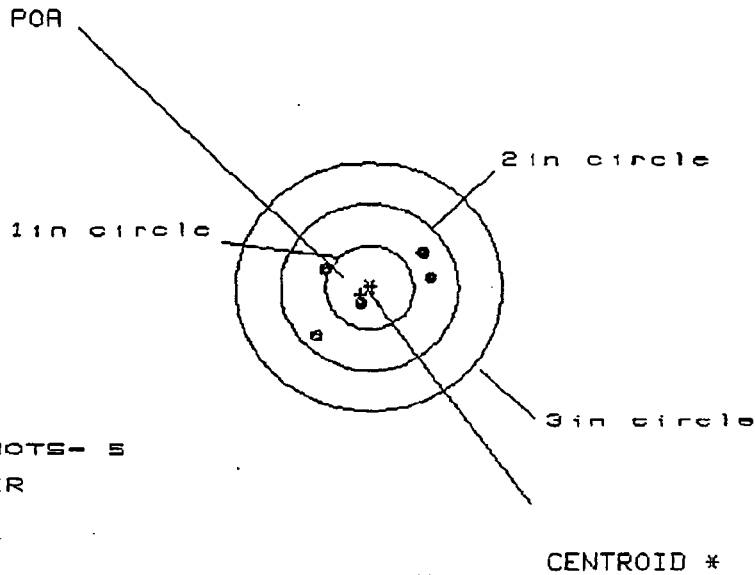
(FES)

PATTERN #	:	1			M-700 - CLASSIC
SHOTS (BEST OF)	:	5	4	3	.300 W&B. MAG.
MAXIMUM X	:	.493	.329	.222	
MINIMUM X	:	-.654	-.358	-.248	REM. 190 GR. P.S.P.
MAXIMUM Y	:	.257	.211	.187	
MINIMUM Y	:	-.184	-.185	-.129	
CENTROID X	:	-.016	.148	.038	LYMAN - ALL AMERICAN
CENTROID Y	:	.013	.059	.083	20x SCOPE.
POA TO CENTROID in.	:	.020	.159	.091	
MIN RADIUS	:	.098	.117	.132	
MEAN RADIUS	:	.374	.251	.224	
MAX RADIUS	:	.679	.415	.310	100 YDS SAND BAG REST.
HORIZONTAL SPREAD	:	1.147	.687	.478	
VERTICAL SPREAD	:	.441	.316	.316	
EXTREME SPREAD	:	1.158	.744	.538	
NUMBER IN ONE INCH CIRCLE	=		4		
NUMBER IN TWO INCH CIRCLE	=		5		
NUMBER IN THREE INCH CIRCLE	=		5		

21 Oct 1988

FILE://PATTERNING/CENTERFIRE_PATT/882432.1.1.1

CENTERFIRE PATTERNS # 2



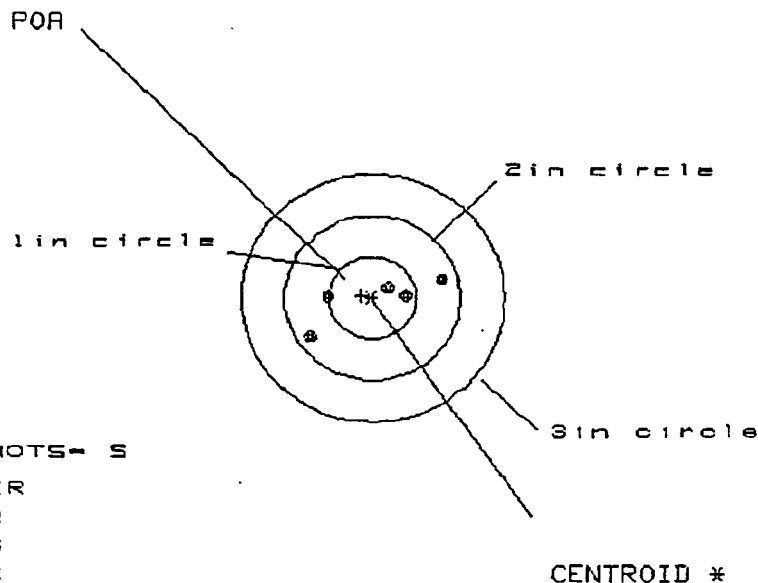
OF SHOTS- 5
 # IN CIR
 1in - 1
 2in - 5
 3in - 5
 HS- 1.254
 VS- 1.086
 GS- 1.584

PATTERN #	:	2		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.664	.517	.655
MINIMUM X	:	-.590	-.673	-.535
MAXIMUM Y	:	.464	.309	.160
MINIMUM Y	:	-.622	-.336	-.233
CENTROID X	:	.104	.251	.113
CENTROID Y	:	.079	.234	.132
POA TO CENTROID in.	:	.130	.344	.173
MIN RADIUS	:	.212	.424	.262
MEAN RADIUS	:	.608	.534	.493
MAX RADIUS	:	.857	.676	.659
HORIZONTAL SPREAD	:	1.254	1.190	1.190
VERTICAL SPREAD	:	1.086	.644	.393
EXTREME SPREAD	:	1.584	1.193	1.193
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		5	

21 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/682432.1.1.1

CENTERFIRE PATTERNS # 3



OF SHOTS= 5

IN CIR

1 in = 2

2 in = 5

3 in = 5

HS= 1.466

VS= .691

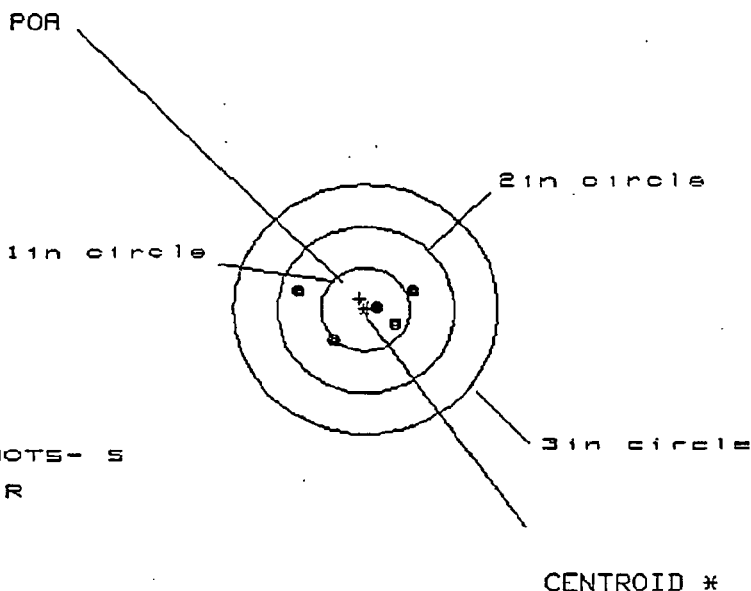
GS= 1.621

PATTERN #	:	3		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.758	.591	.357
MINIMUM X	:	-.708	-.716	-.522
MAXIMUM Y	:	.239	.127	.096
MINIMUM Y	:	-.452	-.114	-.072
CENTROID X	:	.116	.293	.099
CENTROID Y	:	-.029	.083	.041
POA TO CENTROID in.	:	.119	.304	.107
MIN RADIUS	:	.223	.061	.191
MEAN RADIUS	:	.548	.389	.358
MAX RADIUS	:	.848	.725	.527
HORIZONTAL SPREAD	:	1.466	1.297	.879
VERTICAL SPREAD	:	.691	.241	.168
EXTREME SPREAD	:	1.621	1.319	.880
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		5	

21 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/882432.1.1.1.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 5

IN CIR

1in = 3

2in = 5

3in = 5

HS- 1.302

VS- .548

GS- 1.302

AVG. GS = 1.663

A.M.R. = .591

B6896118 (TES)

PATTERN #

1

SHOTS (BEST OF)

5

4

3

MAXIMUM X

.562

.377

.311

MINIMUM X

-.740

-.546

-.421

MAXIMUM Y

.221

.256

.174

MINIMUM Y

-.327

-.272

-.186

CENTROID X

.065

.251

.125

CENTROID Y

-.131

-.186

-.272

POA TO CENTROID in.

.146

.312

.299

MIN RADIUS

.173

.090

.206

MEAN RADIUS

.484

.339

.326

MAX RADIUS

.773

.610

.460

HORIZONTAL SPREAD

1.302

.923

.732

VERTICAL SPREAD

.548

.528

.360

EXTREME SPREAD

1.302

1.063

.759

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

5

NUMBER IN THREE INCH CIRCLE =

5

M-700 "CLASSIC"

.300 WBY. MAG.

REM. 190 GR. P.S.P.

LYMAN. ALL AMERICAN

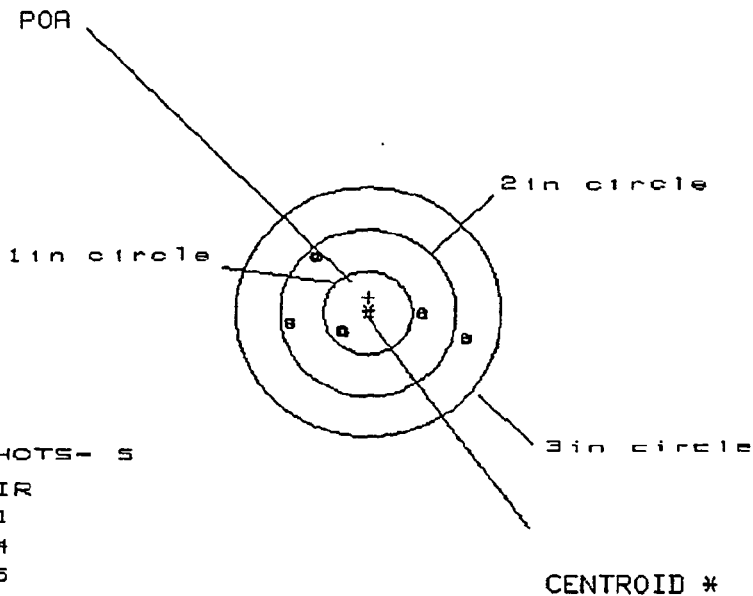
20X SCOPE.

100 YDS. SAND BAG REST

21 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/882432.1.1.1.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 5

IN CIR

1in = 1

2in = 4

3in = 5

LS= 1.951

VS= 1.008

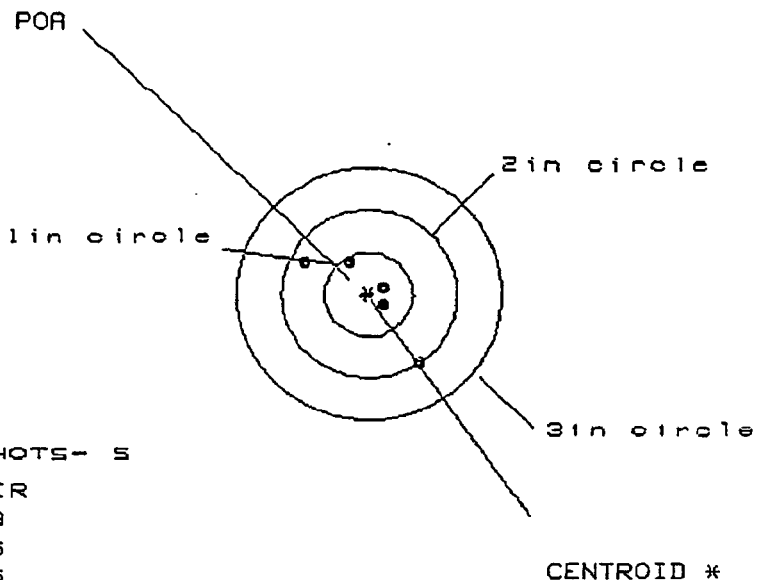
GS= 1.956

PATTERN #	:	2		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	1.095	.841	.750
MINIMUM X	:	-.856	-.583	-.673
MAXIMUM Y	:	.702	.625	.105
MINIMUM Y	:	-.306	-.283	-.074
CENTROID X	:	-.008	-.281	-.191
CENTROID Y	:	-.176	-.099	-.308
POA TO CENTROID in.	:	.176	.298	.362
MIN RADIUS	:	.332	.283	.187
MEAN RADIUS	:	.759	.610	.513
MAX RADIUS	:	1.137	.847	.757
HORIZONTAL SPREAD	:	1.951	1.423	1.423
VERTICAL SPREAD	:	1.008	.908	.179
EXTREME SPREAD	:	1.956	1.429	1.429
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

21 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/682432.1.1.1.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 5

IN CIR

1 in = 3

2 in = 5

3 in = 5

HS= 1.282

VS= 1.204

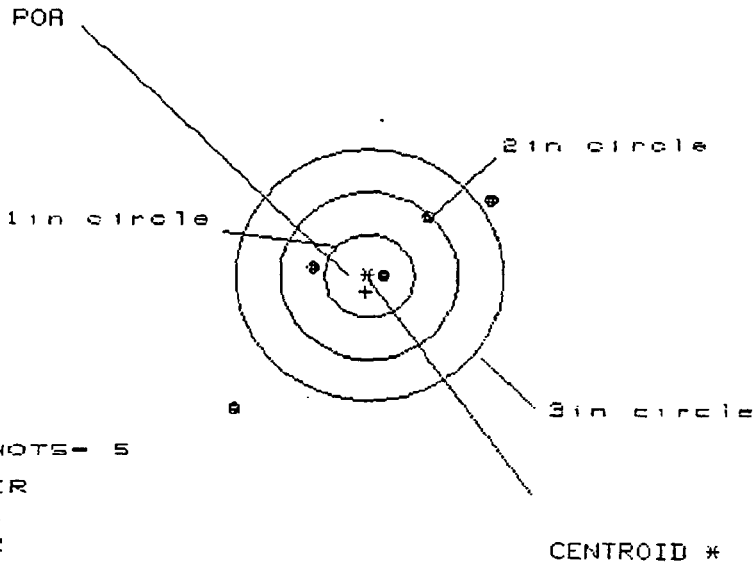
GS= 1.732

PATTERN #	:	3		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.556	.349	.154
MINIMUM X	:	-.726	-.587	-.253
MAXIMUM Y	:	.430	.236	.302
MINIMUM Y	:	-.774	-.283	-.217
CENTROID X	:	.032	-.107	.088
CENTROID Y	:	.013	.207	.141
POA TO CENTROID in.	:	.034	.233	.166
MIN RADIUS	:	.180	.243	.176
MEAN RADIUS	:	.529	.413	.270
MAX RADIUS	:	.953	.619	.394
HORIZONTAL SPREAD	:	1.282	.936	.407
VERTICAL SPREAD	:	1.204	.519	.519
EXTREME SPREAD	:	1.732	1.004	.628
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		5	

21 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/682432.1.1.1.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 5

IN CIR

1 in = 1

2 in = 2

3 in = 3

VS= 2.301

VS= 2.466

VS= 3.807

AVG. G.S. = 2.772

A.M.R. = 962

#23792 (JES)

PATTERN # :

1

SHOTS (BEST OF)	5	4
MAXIMUM X	1.320	.925
MINIMUM X	-1.581	-1.039
MAXIMUM Y	.059	.457
MINIMUM Y	-1.607	-.436
CENTROID X	.034	.429
CENTROID Y	.192	.594
POA TO CENTROID in.	.195	.733
MIN RADIUS	.200	.445
MEAN RADIUS	1.137	.762
MAX RADIUS	2.254	1.093
HORIZONTAL SPREAD	2.901	1.964
VERTICAL SPREAD	2.466	.893
EXTREME SPREAD	3.807	2.118
NUMBER IN ONE INCH CIRCLE =	1	
NUMBER IN TWO INCH CIRCLE =	2	
NUMBER IN THREE INCH CIRCLE =	3	

WEATHERBY- MARK V

300 WHBY. MAG.

REM. 190 GR. PSP.

LYMAN 20x SCOPE

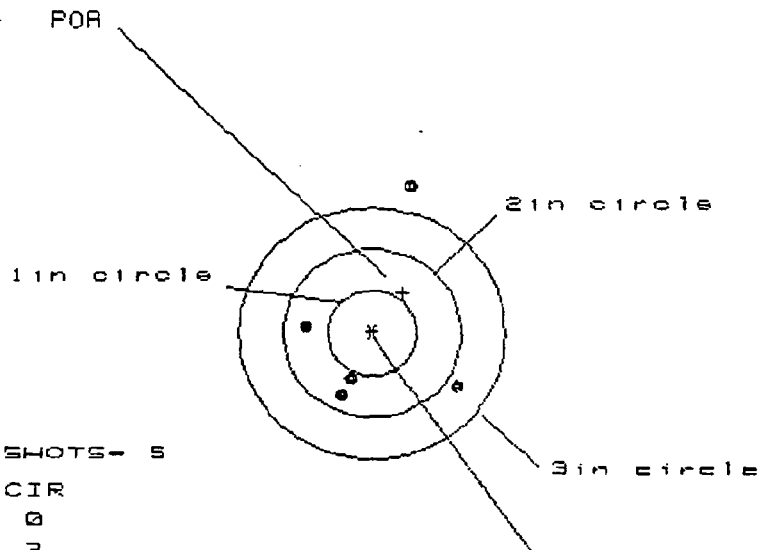
ALL-AMERICAN

100 YDS. SAND BAG REST.

21 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/882432.1.1.1.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 5

IN CIR

1in - 0

2in - 3

3in - 4

HS- 1.716

VS- 2.527

GS- 2.653

CENTROID *

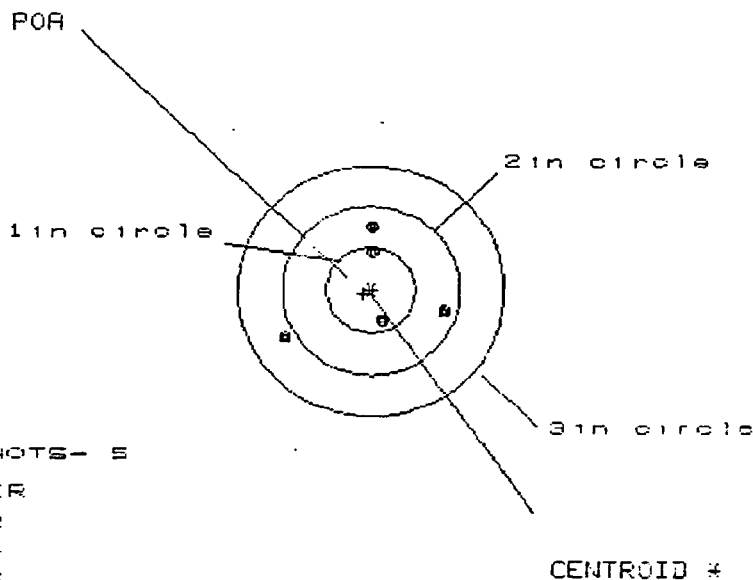
PATTERN #	2	3	4	5
SHOTS (BEST OF)	5	4	3	
MAXIMUM X	.961	1.067	.220	
MINIMUM X	-.755	-.650	-.294	
MAXIMUM Y	1.015	.492	.449	
MINIMUM Y	-.712	-.258	-.301	
CENTROID X	-.949	-.435	-.810	
CENTROID Y	-.473	-.927	-.884	
POA TO CENTROID in.	.588	1.032	1.199	
MIN RADIUS	.608	.171	.265	
MEAN RADIUS	1.032	.610	.370	
MAX RADIUS	1.863	1.074	.536	
HORIZONTAL SPREAD	1.716	1.716	.514	
VERTICAL SPREAD	2.527	.750	.750	
EXTREME SPREAD	2.653	1.825	.835	
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	4		

21 Oct 1988

FILE: /P6

INTERFIRE_PATT/002432.1.1.1.1.1

CENTERFIRE PATTERNS # 3



3 SHOTS- 5

IN CIR

1in - 2

2in - 4

3in - 5

HS- 1.831

VS- 1.385

GS- 1.856

PATTERN #	:	3		
SHOTS (BEST OF)	:	5	4	3
MAXIMUM X	:	.825	.574	.109
MINIMUM X	:	-1.006	-.258	-.067
MAXIMUM Y	:	.746	.606	.473
MINIMUM Y	:	-.559	-.494	-.627
CENTROID X	:	.080	.331	.140
CENTROID Y	:	.047	.187	.320
POA TO CENTROID in.	:	.093	.380	.349
MIN RADIUS	:	.393	.385	.167
MEAN RADIUS	:	.716	.559	.426
MAX RADIUS	:	1.151	.698	.636
HORIZONTAL SPREAD	:	1.931	.832	.176
VERTICAL SPREAD	:	1.385	1.100	1.100
EXTREME SPREAD	:	1.856	1.289	1.110
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	