

C6611540

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400078519

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

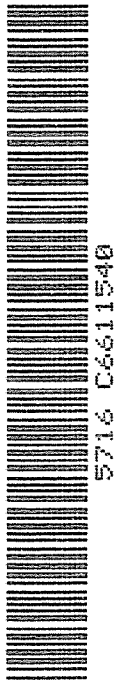
Remington[®]  REG. U.S. PAT. & TM. OFF.

MODEL 700TM H24

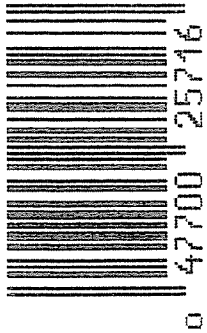
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO. C6611540	ORDER NO. 5716
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LPC



INTERCHANGEABILITY

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6611540

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	2/1/91	KA
600	Proof		2/1/91	KA
607	Check Headspace		2/1/91	KA
610	Dis-assemble Gun		2/1/91	KA
612	Magnaflux Barrel Action	2 11 91		Ked
	Magnaflux Bolt	2 11 91		Ked
615	Rollmark Caliber	2 11 91		GB
617	Drill and Tap Sight Holes	2 13 91		FB
618	Polish Barrel RBB	2 13 91		WB
620	Apply Coatings (Barrel Action)		2-12-91	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		3/20/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		3/20/91	KS
	C) Inspect Ejector Hole for Chamfer		3/20/91	KS
	D) Oil Firing Pin Ass'y		3/20/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		4-2-91	D/H

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4-2-91	DH
	G) Safety Off Force	2	2 1/4	2 1/4			4-2-91	DH
	H) Trigger Pull Test & Retainability						4-2-91	DH
	I) Firing Pin Indent	.021	.021	.021			4-2-91	DH
	J) Assemble Stock						4/5/91	KS
	K) Assemble Swivel Studs						5-2-91	DH
	L) Attach Front and Rear Sight Assemblies						4/5/91	KS
	M) Iron Sight Alignment						4/5/91	KS
	N) Detach Front & Rear Sights & place in numbered container						4/5/91	KS
	O) Attach Scope to Rifle						4/5/91	KS
	P) Detach & Attach Scope 20 Times						4/5/91	KS
640	Gallery Target & Test						4-8-91	KJ
	A) Time						4-8-91	KJ
	B) Malfunctions						4-8-91	KJ
	C) Pierced Primers						4-8-91	KJ
	D) Optical Clarity of Scope						4-8-91	KJ
645	Inspect for Live Ammo						4-8-91	KJ
655	Final Inspection						5-2-91	DH
	A) Headspace						5-2-91	DH
	B) Trigger Pull	2.70	2.68	2.69	2.72	2.70	4/26/91	DH
	C) Function						5-2-91	DH
660	Pack						6-19-91	N

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6611540
DATE 4-2-91
TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.59	2.57	2.55	2.70	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.65	2.43	2.56	2.68	
PULL #3	2.65	2.54	2.62	2.69	
PULL #4	2.61	2.37	2.63	2.72	
PULL #5	2.63	2.51	2.54	2.70	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.00	3.29		
PULL #2	3.28	3.16		
PULL #3	3.32	3.30		
PULL #4	3.28	3.14		
PULL #5	3.05	3.35		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.36		4.10
PULL #2	4.26	4.30		4.08
PULL #3	4.29	4.26		4.12
PULL #4	4.10	4.07		4.26
PULL #5	4.17	4.20		4.05
TOTAL				
AVG.				

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611540
24 May 1991

CENTROIDAL DISTANCES

0 TO	1	.0645368
1 TO	2	.33082
1 TO	3	.206167
1 TO	4	.161447
1 TO	5	.340724

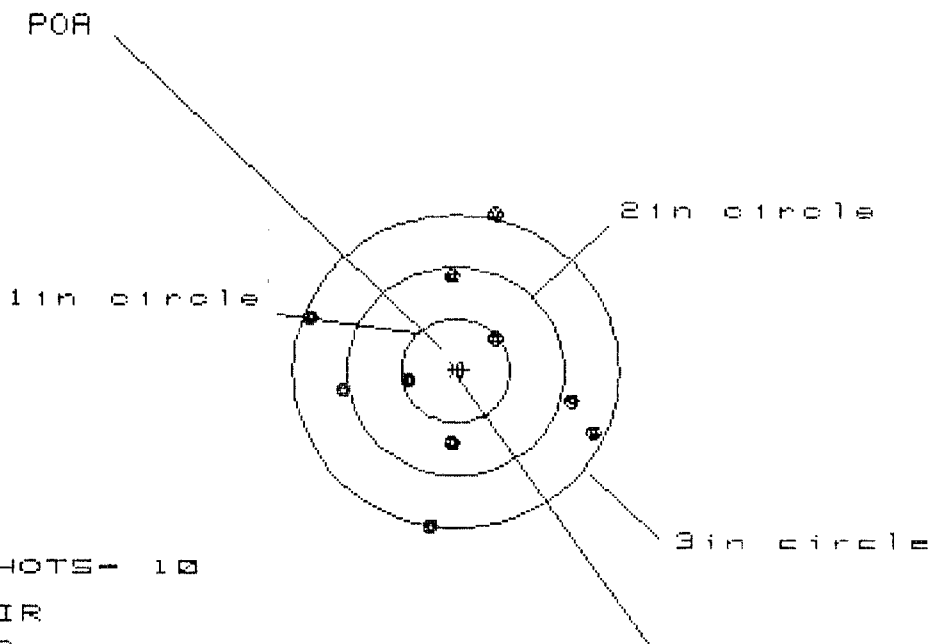
3#5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0096
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.162
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .162284
THE AMR FOR THIS RIFLE IS: 1.129

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611540.1.1.1.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 2.682

VS= 2.912

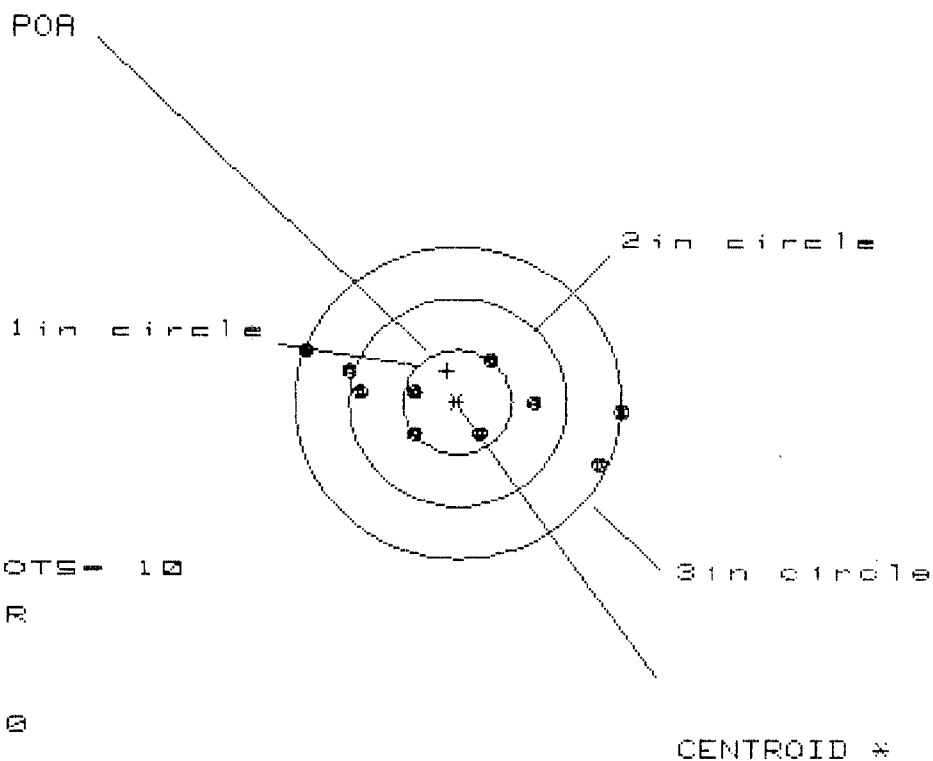
GS= 2.976

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.385	1.347	1.180
MINIMUM X	:	-1.377	-1.335	-1.127
MAXIMUM Y	:	1.468	1.072	1.162
MINIMUM Y	:	-1.444	-1.281	-1.191
CENTROID X	:	-.063	-.105	.062
CENTROID Y	:	-.014	-.177	-.267
POA TO CENTROID in.	:	.064	.206	.274
MIN RADIUS	:	.431	.392	.503
MEAN RADIUS	:	1.059	.998	.933
MAX RADIUS	:	1.517	1.514	1.244
HORIZONTAL SPREAD	:	2.682	2.682	2.307
VERTICAL SPREAD	:	2.912	2.353	2.353
EXTREME SPREAD	:	2.976	2.920	2.363
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611540.1.1.1.1

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS = 2.814

VS = 1.099

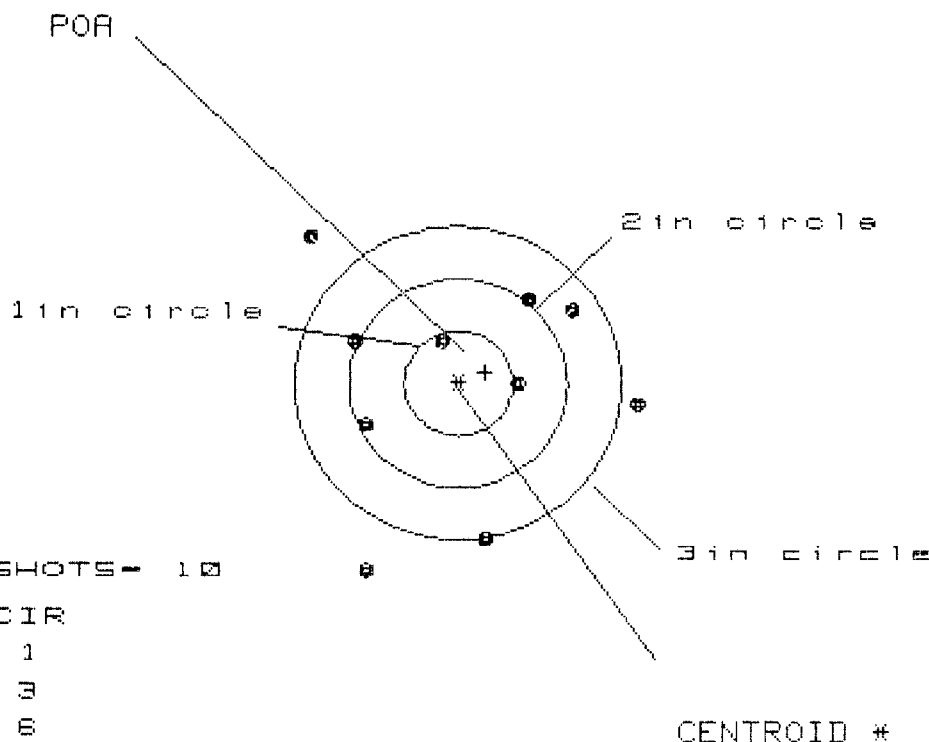
GS = 2.902

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.455	1.603	1.079
MINIMUM X	:	-1.359	-1.211	-1.011
MAXIMUM Y	:	.454	.382	.362
MINIMUM Y	:	-.645	-.392	-.412
CENTROID X	:	.098	-.050	-.250
CENTROID Y	:	-.303	-.231	-.211
POA TO CENTROID in.	:	.318	.236	.327
MIN RADIUS	:	.357	.213	.031
MEAN RADIUS	:	.884	.799	.661
MAX RADIUS	:	1.476	1.610	1.083
HORIZONTAL SPREAD	:	2.814	2.814	2.090
VERTICAL SPREAD	:	1.099	.774	.774
EXTREME SPREAD	:	2.902	2.865	2.139
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611540.1.1.1.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 6

HS= 2.987

VS= 3.225

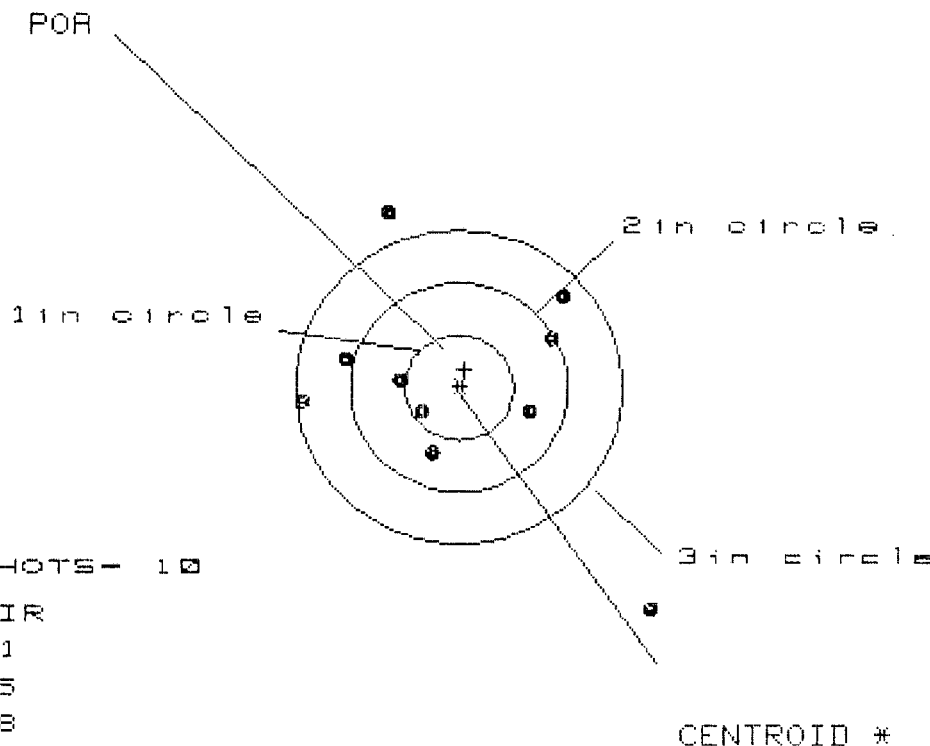
GS= 3.399

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.629	1.535	1.353
MINIMUM X	:	-1.358	-1.452	-1.241
MAXIMUM Y	:	1.434	1.235	.751
MINIMUM Y	:	-1.791	-1.692	-1.538
CENTROID X	:	-.247	-.153	.029
CENTROID Y	:	-.107	.092	-.062
POA TO CENTROID in.	:	.269	.178	.068
MIN RADIUS	:	.477	.350	.302
MEAN RADIUS	:	1.240	1.122	1.014
MAX RADIUS	:	1.983	1.906	1.538
HORIZONTAL SPREAD	:	2.987	2.987	2.594
VERTICAL SPREAD	:	3.225	2.927	2.289
EXTREME SPREAD	:	3.399	3.399	2.672
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	6		

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611540.1.1.1.1

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 3.146

VS= 3.802

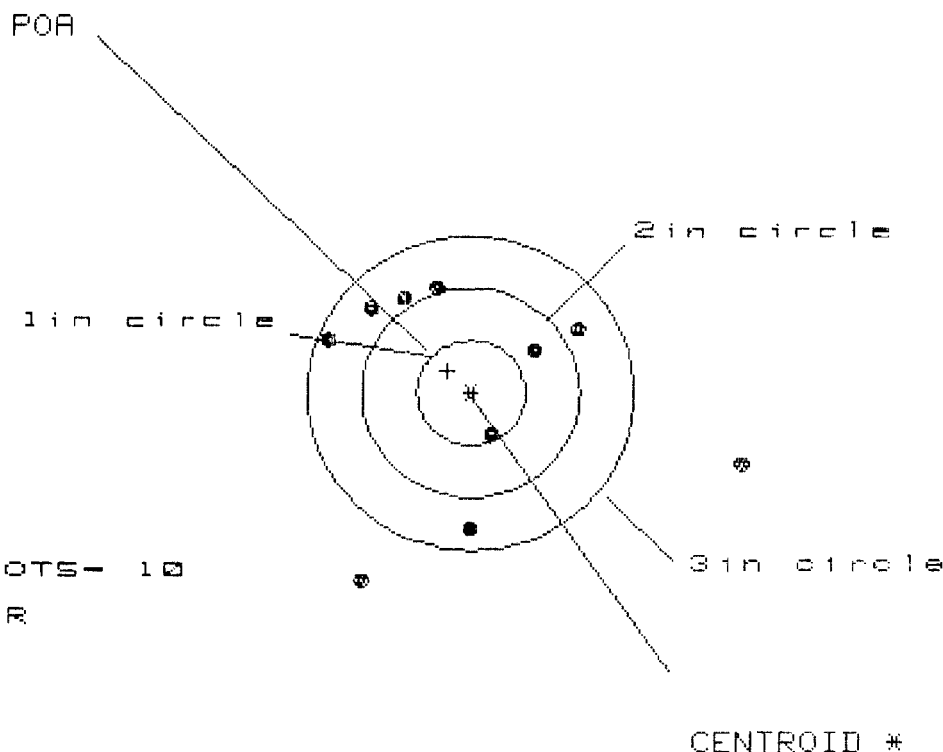
GS= 4.446

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.703	1.155	1.104
MINIMUM X	-1.443	-1.254	-1.305
MAXIMUM Y	1.681	1.446	.786
MINIMUM Y	-2.121	-.899	-.718
CENTROID X	-.051	-.240	-.189
CENTROID Y	-.175	.060	-.120
POA TO CENTROID in.	.183	.248	.224
MIN RADIUS	.392	.353	.341
MEAN RADIUS	1.156	.969	.866
MAX RADIUS	2.720	1.504	1.355
HORIZONTAL SPREAD	3.146	2.409	2.409
VERTICAL SPREAD	3.802	2.345	1.504
EXTREME SPREAD	4.446	2.577	2.577
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611540.1.1.1.1

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 2

3 in - 8

HS- 3.805

VS- 2.812

GS- 4.005

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.446	1.295	1.208
MINIMUM X	:	-1.359	-1.087	-1.174
MAXIMUM Y	:	.974	.893	.653
MINIMUM Y	:	-1.838	-1.919	-1.575
CENTROID X	:	.215	-.057	.030
CENTROID Y	:	-.211	-.130	.110
POA TO CENTROID in.	:	.301	.142	.114
MIN RADIUS	:	.439	.658	.668
MEAN RADIUS	:	1.306	1.148	.988
MAX RADIUS	:	2.554	2.042	1.588
HORIZONTAL SPREAD	:	3.805	2.382	2.382
VERTICAL SPREAD	:	2.812	2.812	2.228
EXTREME SPREAD	:	4.005	3.169	2.384
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		8	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611540
23 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.250639
1 TO	2	.0923472
1 TO	3	.293784
1 TO	4	.128191
1 TO	5	.264698

✂ <----FOR

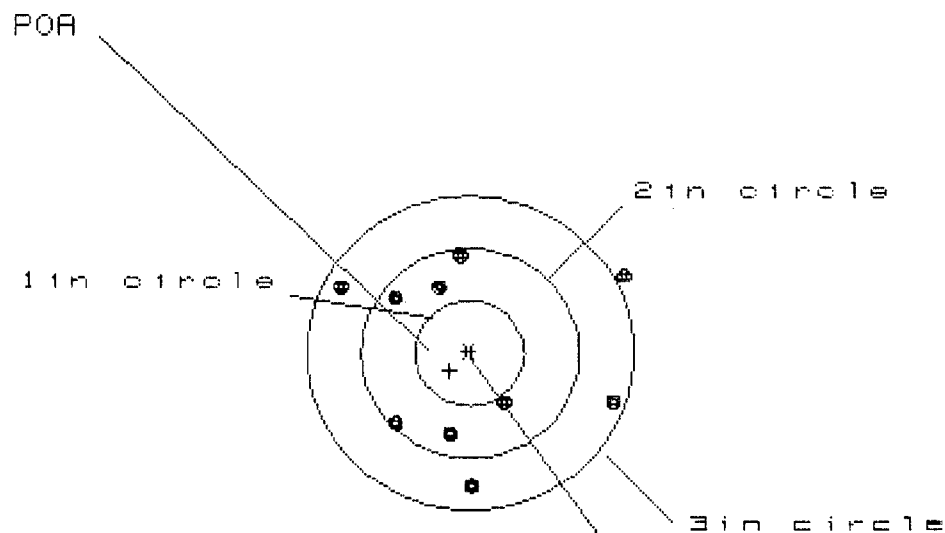
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0504
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2134
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .219271

THE AMR FOR THIS RIFLE IS: 1.029

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE*PATT/C6611540.1.1.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 9

HS= 2.649

VS= 2.222

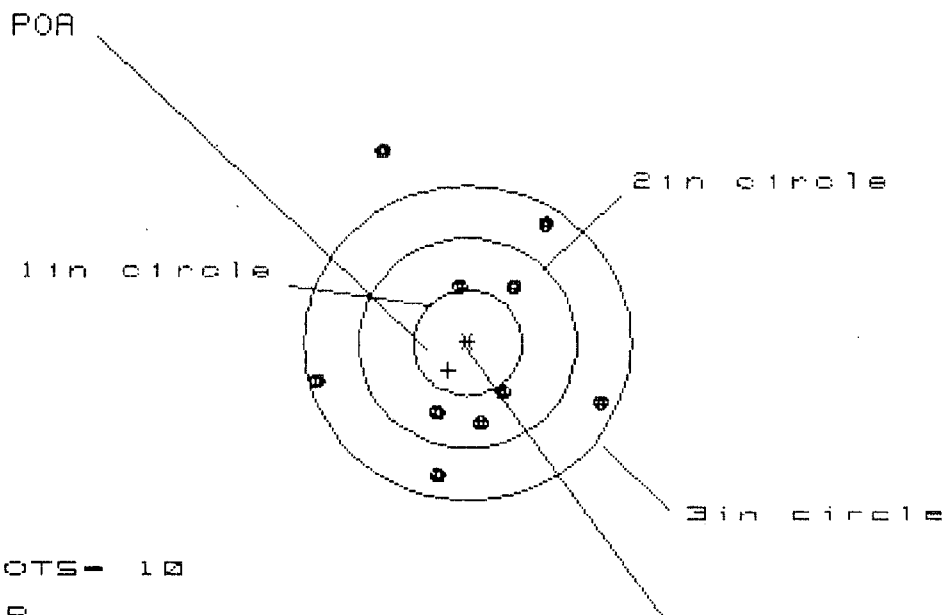
GS= 2.755

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.428	1.490	.682
MINIMUM X	:	-1.221	-1.062	-.876
MAXIMUM Y	:	.978	1.064	1.020
MINIMUM Y	:	-1.244	-1.158	-1.202
CENTROID X	:	.186	.027	-.159
CENTROID Y	:	.168	.082	.126
POA TO CENTROID in.	:	.250	.086	.203
MIN RADIUS	:	.590	.636	.689
MEAN RADIUS	:	1.054	.969	.882
MAX RADIUS	:	1.625	1.532	1.259
HORIZONTAL SPREAD	:	2.649	2.552	1.558
VERTICAL SPREAD	:	2.222	2.222	2.222
EXTREME SPREAD	:	2.755	2.755	2.224
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611540.1.1.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 9

HS= 2.597

VS= 3.106

GS= 3.135

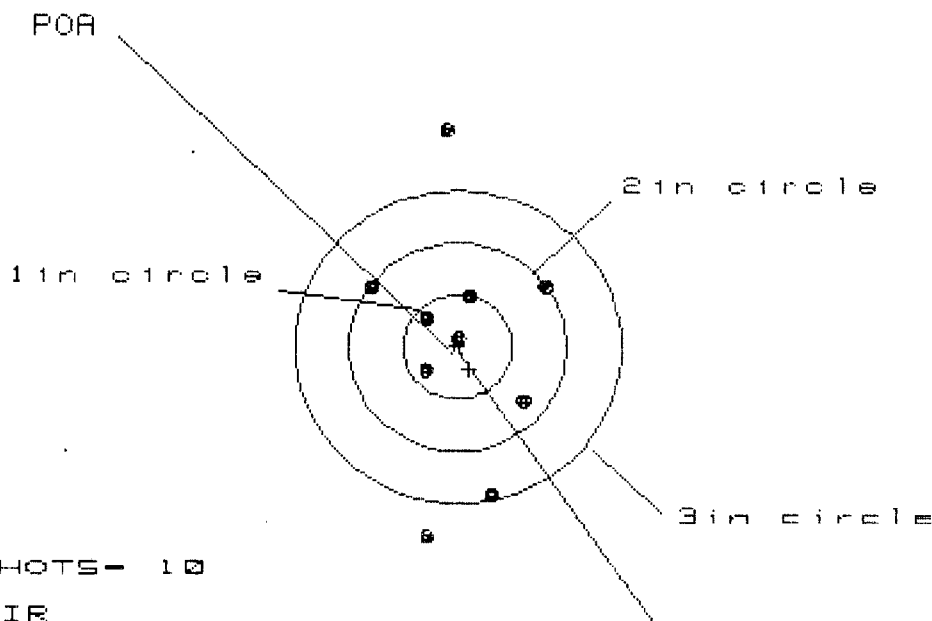
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.197	1.115	.930
MINIMUM X	:	-1.400	-1.482	-.584
MAXIMUM Y	:	1.810	1.351	1.334
MINIMUM Y	:	-1.296	-1.095	-1.112
CENTROID X	:	.178	.260	.445
CENTROID Y	:	.260	.059	.076
POA TO CENTROID in.	:	.315	.266	.451
MIN RADIUS	:	.518	.388	.322
MEAN RADIUS	:	1.063	.927	.846
MAX RADIUS	:	1.953	1.516	1.426
HORIZONTAL SPREAD	:	2.597	2.597	1.514
VERTICAL SPREAD	:	3.106	2.446	2.446
EXTREME SPREAD	:	3.135	2.675	2.675
NUMBER IN ONE INCH CIRCLE =			0	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11540.1.1.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 4

2in = 5

3in = 8

HS= 1.647

VS= 3.882

GS= 3.885

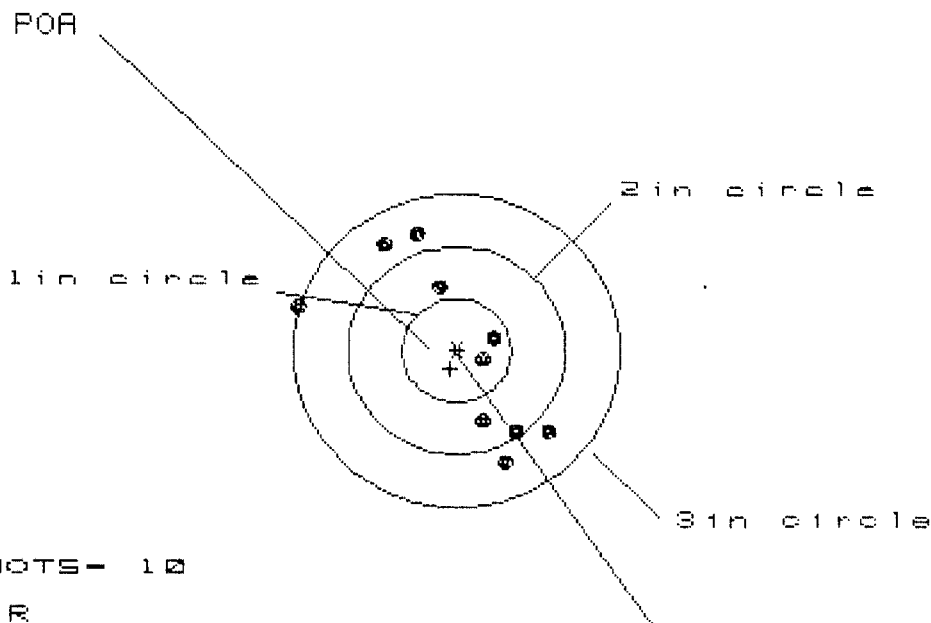
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.840	.830	.796
MINIMUM X	:	-.807	-.817	-.851
MAXIMUM Y	:	2.055	.794	.594
MINIMUM Y	:	-1.827	-1.599	-1.375
CENTROID X	:	-.104	-.094	-.060
CENTROID Y	:	.215	-.013	.187
POA TO CENTROID in.	:	.239	.095	.196
MIN RADIUS	:	.076	.304	.114
MEAN RADIUS	:	.945	.850	.703
MAX RADIUS	:	2.057	1.621	1.399
HORIZONTAL SPREAD	:	1.647	1.647	1.647
VERTICAL SPREAD	:	3.882	2.393	1.969
EXTREME SPREAD	:	3.885	2.613	2.260
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			8	

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611540.1.1.1

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.286

VS= 2.288

GS= 2.597

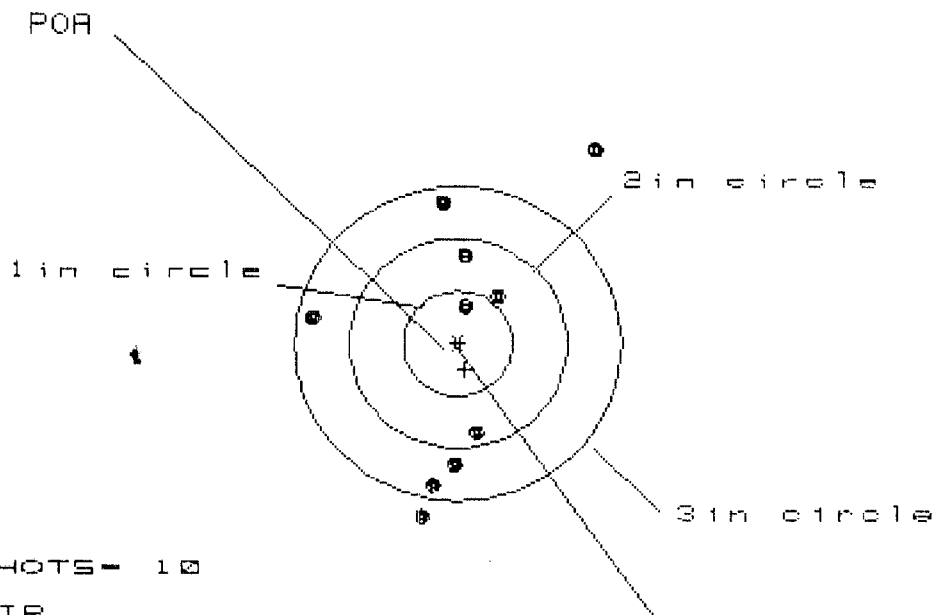
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.793	.627	.562
MINIMUM X	:	-1.493	-.786	-.851
MAXIMUM Y	:	1.171	1.221	1.194
MINIMUM Y	:	-1.117	-1.067	-.914
CENTROID X	:	.058	.224	.289
CENTROID Y	:	.175	.125	-.028
POA TO CENTROID in.	:	.185	.256	.290
MIN RADIUS	:	.234	.062	.149
MEAN RADIUS	:	.910	.789	.704
MAX RADIUS	:	1.559	1.328	1.466
HORIZONTAL SPREAD	:	2.286	1.413	1.413
VERTICAL SPREAD	:	2.288	2.288	2.108
EXTREME SPREAD	:	2.597	2.435	2.376
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611540.1.1.1

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS= 2.575

VS= 3.495

GS= 3.848

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.270	.535	.510
MINIMUM X	:	-1.305	-1.164	-1.189
MAXIMUM Y	:	1.823	1.575	1.392
MINIMUM Y	:	-1.672	-1.470	-1.304
CENTROID X	:	-.066	-.207	-.182
CENTROID Y	:	.249	.047	.231
POA TO CENTROID in.	:	.258	.212	.294
MIN RADIUS	:	.352	.590	.414
MEAN RADIUS	:	1.175	1.063	.986
MAX RADIUS	:	2.221	1.575	1.392
HORIZONTAL SPREAD	:	2.575	1.699	1.699
VERTICAL SPREAD	:	3.495	3.045	2.695
EXTREME SPREAD	:	3.848	3.050	2.695
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611540
9 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.338591
1 TO	2	.927635
1 TO	3	.639852
1 TO	4	.623106
1 TO	5	.407922

$+1 \begin{matrix} 54 \\ 3_2 \end{matrix} < \text{----POA}$

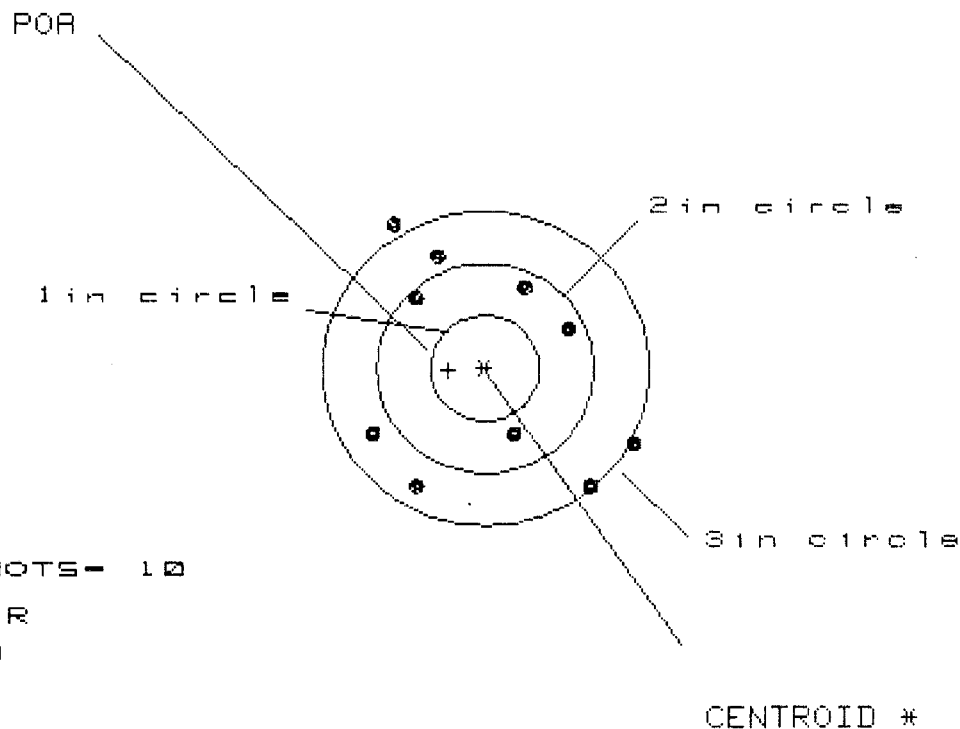
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .7086
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.006
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .708625
THE AMR FOR THIS RIFLE IS: 1.245

Re lead / Re target

9 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611540.1.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 8

HS= 2.364

VS= 2.452

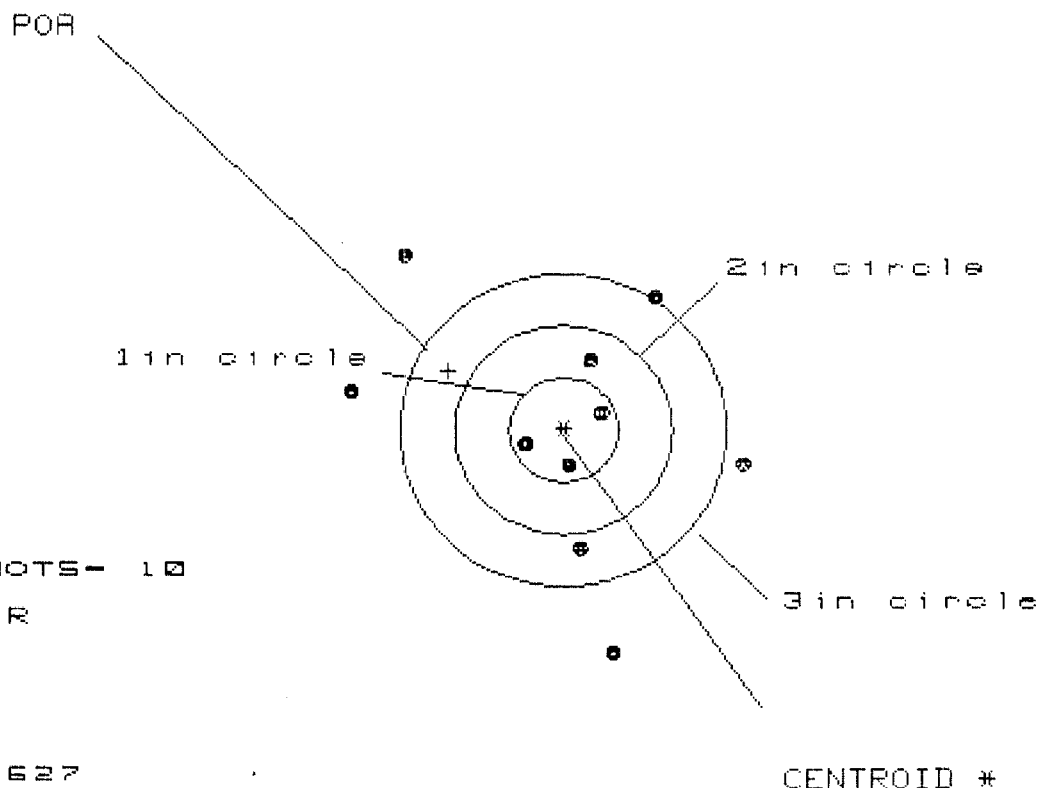
GS= 3.033

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.355	1.261	1.008
MINIMUM X	:	-1.009	-1.103	-.945
MAXIMUM Y	:	1.330	1.227	1.152
MINIMUM Y	:	-1.122	-.975	-1.050
CENTROID X	:	.338	.432	.274
CENTROID Y	:	.020	-.127	-.052
POR TO CENTROID in.	:	.339	.450	.279
MIN RADIUS	:	.724	.551	.690
MEAN RADIUS	:	1.166	1.110	1.067
MAX RADIUS	:	1.573	1.399	1.456
HORIZONTAL SPREAD	:	2.364	2.364	1.953
VERTICAL SPREAD	:	2.452	2.202	2.202
EXTREME SPREAD	:	3.033	2.626	2.626
NUMBER IN ONE INCH CIRCLE =	:	0		
NUMBER IN TWO INCH CIRCLE =	:	4		
NUMBER IN THREE INCH CIRCLE =	:	8		

9 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611540.1.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 4

3in = 5

HS= 3.627

VS= 3.805

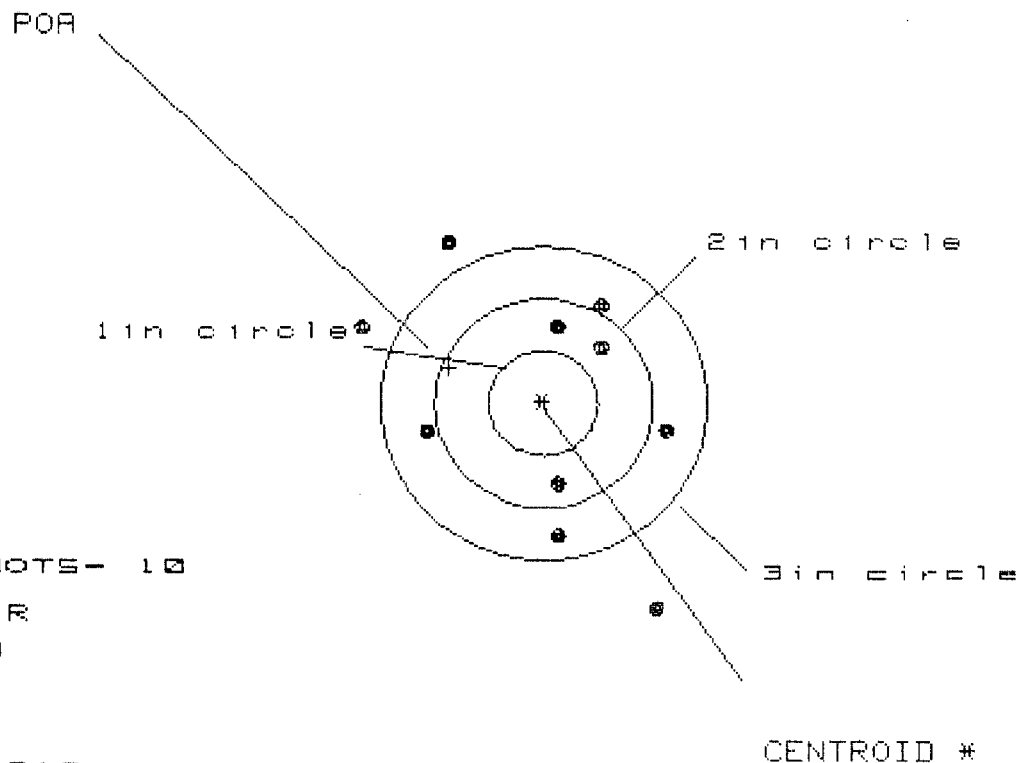
GS= 4.250

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.645	1.700	1.531
MINIMUM X	:	-1.982	-1.927	-2.096
MAXIMUM Y	:	1.660	1.422	1.247
MINIMUM Y	:	-2.145	-1.367	-1.190
CENTROID X	:	1.053	.998	1.167
CENTROID Y	:	-.571	-.333	-.510
POA TO CENTROID in.	:	1.198	1.052	1.273
MIN RADIUS	:	.356	.374	.227
MEAN RADIUS	:	1.258	1.163	1.018
MAX RADIUS	:	2.200	1.959	2.112
HORIZONTAL SPREAD	:	3.627	3.627	3.627
VERTICAL SPREAD	:	3.805	2.789	2.437
EXTREME SPREAD	:	4.250	3.691	3.691
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	4		
NUMBER IN THREE INCH CIRCLE =	:	5		

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FILE:/PATTERNING/CENTERFIRE_PATT/C6611540.1.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 3

3in = 7

HS= 2.819

VS= 3.497

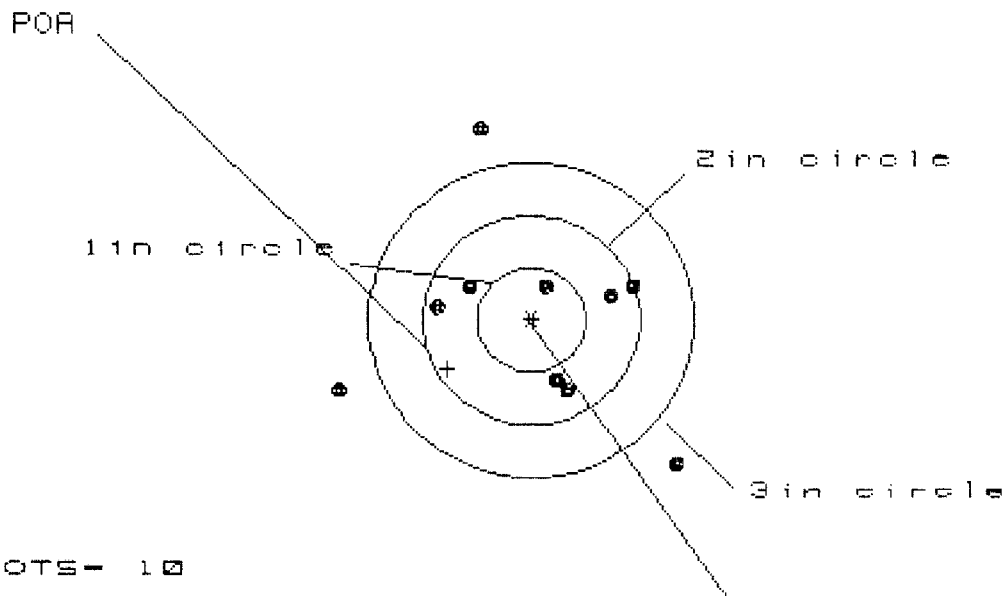
GS= 3.984

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.125	1.245	1.048
MINIMUM X	:	-1.694	-1.574	-1.143
MAXIMUM Y	:	1.527	1.308	1.374
MINIMUM Y	:	-1.970	-1.434	-1.368
CENTROID X	:	.869	.749	.946
CENTROID Y	:	-.337	-.118	-.184
POA TO CENTROID in.	:	.932	.758	.964
MIN RADIUS	:	.705	.523	.547
MEAN RADIUS	:	1.268	1.142	1.048
MAX RADIUS	:	2.246	1.662	1.647
HORIZONTAL SPREAD	:	2.819	2.819	2.191
VERTICAL SPREAD	:	3.497	2.742	2.742
EXTREME SPREAD	:	3.984	2.989	2.895
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

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FILE:/PATTERNING/CENTERFIRE_PATT/C6611540.1.1

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 7

HS= 3.087

VS= 3.208

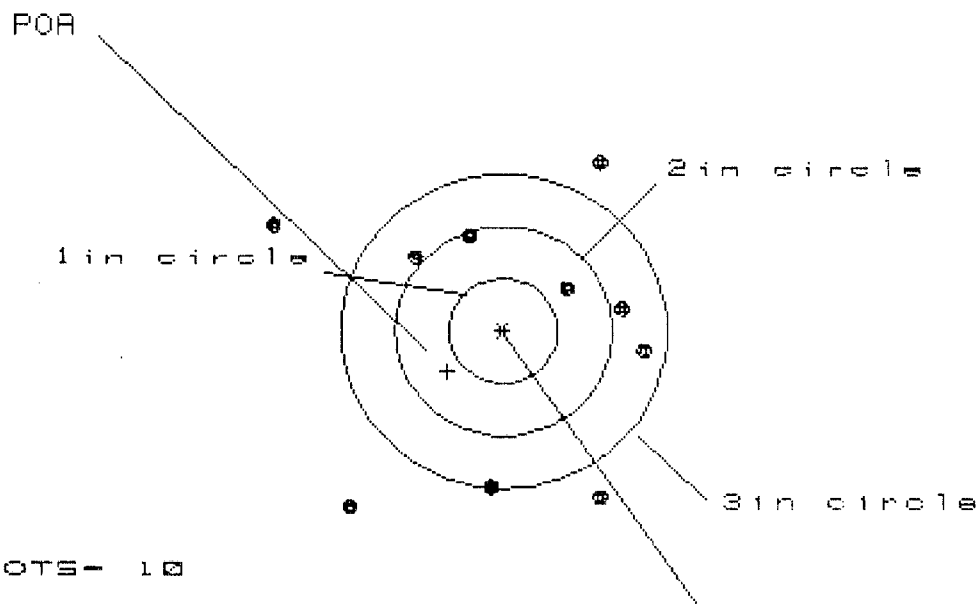
GS= 3.702

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.336	1.279	1.007
MINIMUM X	:	-1.751	-1.808	-1.648
MAXIMUM Y	:	1.878	.585	.445
MINIMUM Y	:	-1.330	-1.122	-.603
CENTROID X	:	.769	.826	.666
CENTROID Y	:	.470	.262	.402
POA TO CENTROID in.	:	.901	.866	.778
MIN RADIUS	:	.331	.394	.436
MEAN RADIUS	:	1.068	.963	.866
MAX RADIUS	:	1.946	1.861	1.748
HORIZONTAL SPREAD	:	3.087	3.087	2.655
VERTICAL SPREAD	:	3.208	1.707	1.048
EXTREME SPREAD	:	3.702	3.161	2.823
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			7	

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FILE:/PATTERNING/CENTERFIRE_PATT/C6611540.1.1

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 0

2in = 2

3in = 5

HS = 3.334

VS = 3.258

GS = 3.997

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.270	1.041	.836
MINIMUM X	:	-2.064	-1.642	-1.203
MAXIMUM Y	:	1.567	1.679	1.482
MINIMUM Y	:	-1.691	-1.579	-1.633
CENTROID X	:	.514	.743	.948
CENTROID Y	:	.388	.276	.474
POA TO CENTROID in.	:	.644	.793	1.060
MIN RADIUS	:	.698	.629	.362
MEAN RADIUS	:	1.465	1.344	1.155
MAX RADIUS	:	2.295	2.278	1.689
HORIZONTAL SPREAD	:	3.334	2.683	2.039
VERTICAL SPREAD	:	3.258	3.258	3.114
EXTREME SPREAD	:	3.997	3.997	3.222
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		5	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611540
8 Apr 1991

CENTROIDAL DISTANCES

0 TO 1	.0805295
1 TO 2	.289456
1 TO 3	.00824621
1 TO 4	.296724
1 TO 5	.126491

24 <----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0718
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0136
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0730767

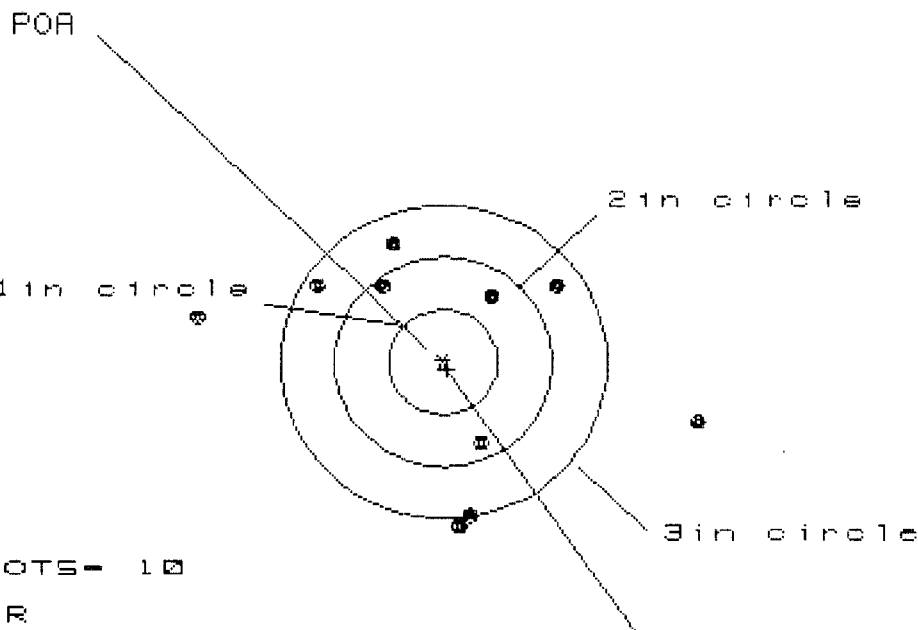
THE AMR FOR THIS RIFLE IS: 1.415

Retarget only 1, 245

8 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611540

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 3

3in = 6

HS= 4.538

VS= 2.735

GS= 4.640

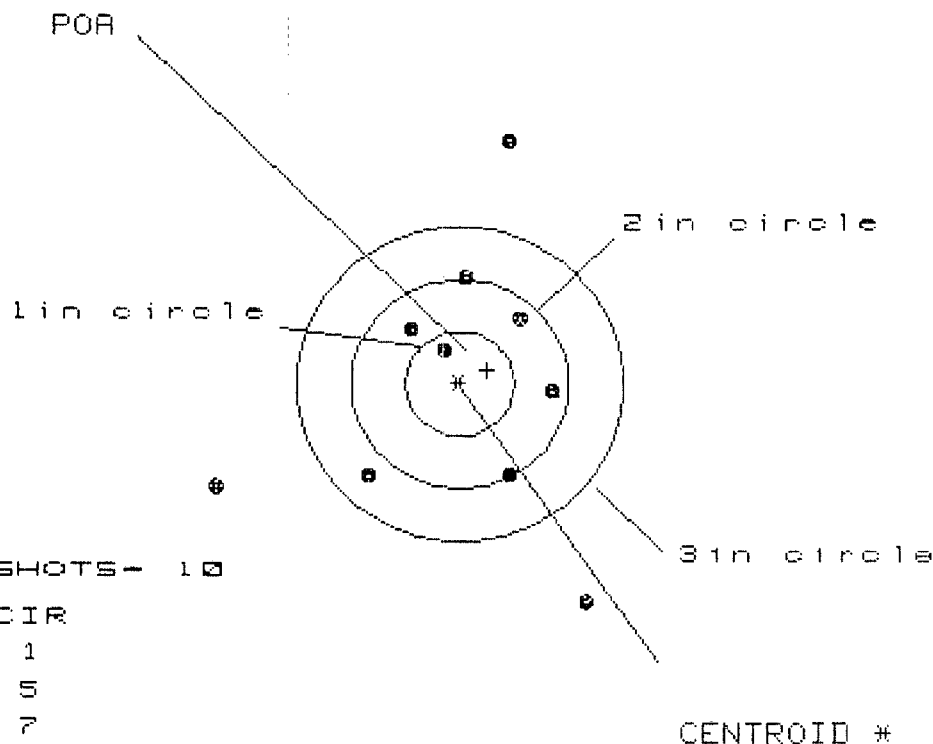
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.305	1.285	1.038
MINIMUM X	:	-2.233	-1.977	-1.141
MAXIMUM Y	:	1.171	1.113	1.162
MINIMUM Y	:	-1.564	-1.622	-1.573
CENTROID X	:	-.038	-.294	-.047
CENTROID Y	:	.071	.129	.080
POA TO CENTROID in.	:	.080	.321	.092
MIN RADIUS	:	.710	.718	.708
MEAN RADIUS	:	1.403	1.284	1.174
MAX RADIUS	:	2.363	2.015	1.576
HORIZONTAL SPREAD	:	4.538	3.262	2.178
VERTICAL SPREAD	:	2.735	2.735	2.735
EXTREME SPREAD	:	4.640	3.274	2.790
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

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FILE:/PATTERNING/CENTERFIRE_PATT/06611540

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS= 3.405

VS= 4.456

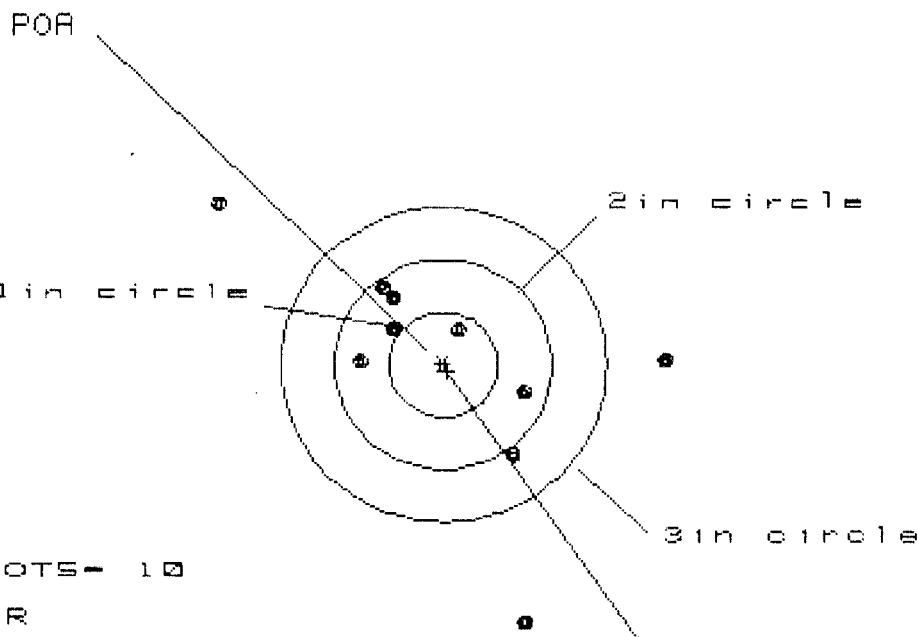
GS= 4.515

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.170	.922	.947
MINIMUM X	:	-2.235	-1.082	-1.057
MAXIMUM Y	:	2.374	2.270	1.213
MINIMUM Y	:	-2.082	-2.186	-1.902
CENTROID X	:	-.251	-.003	-.028
CENTROID Y	:	-.125	-.021	-.305
POA TO CENTROID in.	:	.281	.022	.307
MIN RADIUS	:	.304	.399	.570
MEAN RADIUS	:	1.314	1.166	1.048
MAX RADIUS	:	2.421	2.372	2.124
HORIZONTAL SPREAD	:	3.405	2.004	2.004
VERTICAL SPREAD	:	4.456	4.456	3.115
EXTREME SPREAD	:	4.515	4.515	3.299
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

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FILE:/PATTERNING/CENTERFIRE_PATT/C6611540

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 7

HS= 4.104

VS= 3.927

GS= 4.820

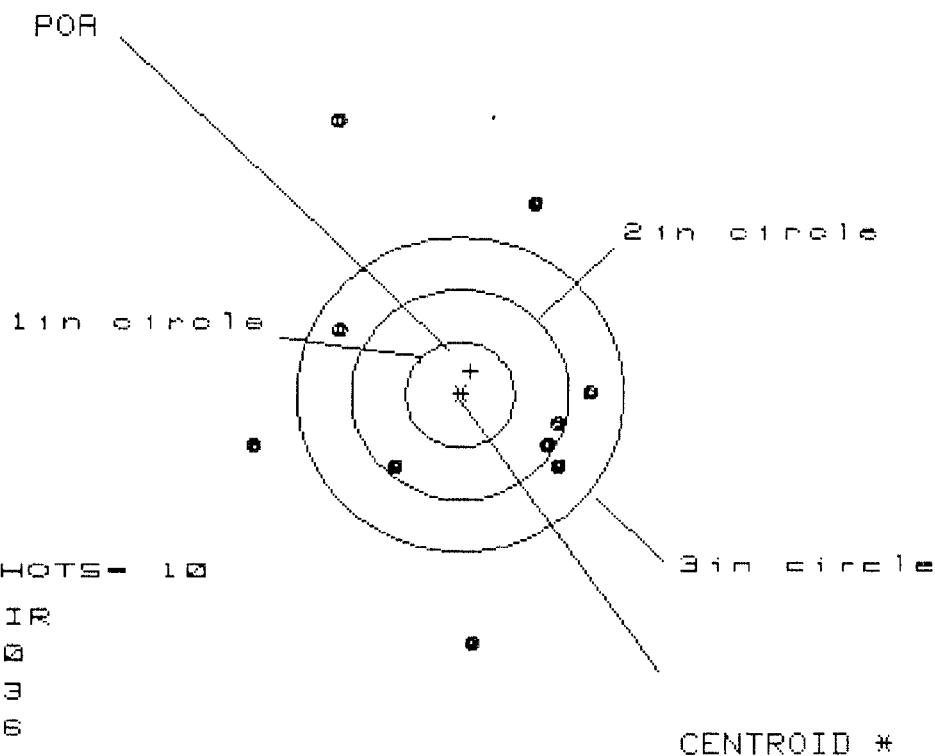
CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	2.046
MINIMUM X	-2.058
MAXIMUM Y	1.508
MINIMUM Y	-2.419
CENTROID X	-.040
CENTROID Y	.063
POA TO CENTROID in.	.075
MIN RADIUS	.390
MEAN RADIUS	1.249
MAX RADIUS	2.551
HORIZONTAL SPREAD	4.104
VERTICAL SPREAD	3.927
EXTREME SPREAD	4.820
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	7

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FILE:/PATTERNING/CENTERFIRE_PATT/C6611540

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 0

2 in - 3

3 in - 6

HS- 3.185

VS- 4.958

GS- 5.114

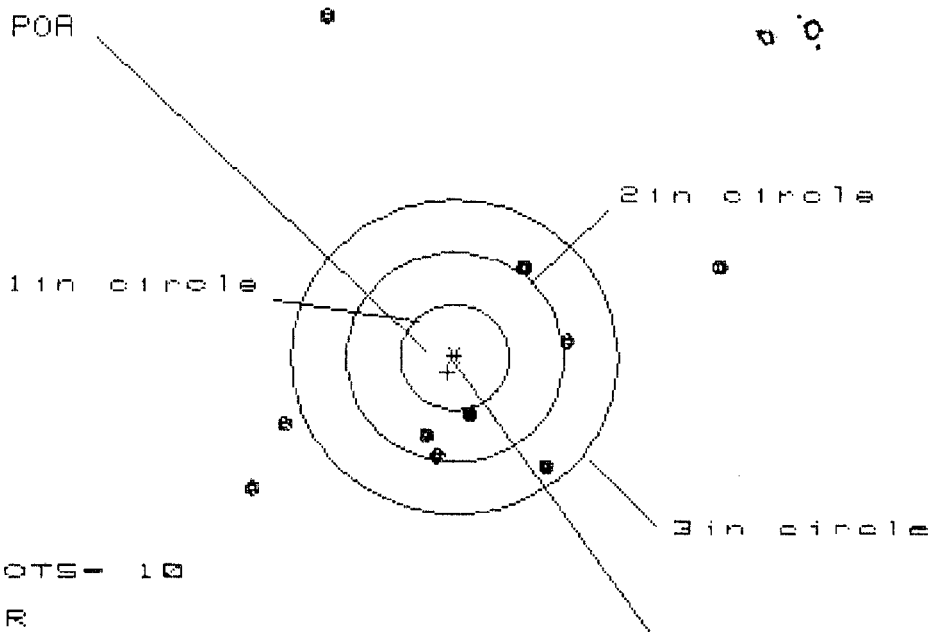
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.232	1.105	1.103
MINIMUM X	:	-1.953	-2.080	-2.082
MAXIMUM Y	:	2.605	2.064	1.806
MINIMUM Y	:	-2.353	-2.063	-.644
CENTROID X	:	-.096	.031	.033
CENTROID Y	:	-.220	-.510	-.252
POA TO CENTROID in.	:	.240	.511	.254
MIN RADIUS	:	.889	.729	.839
MEAN RADIUS	:	1.553	1.347	1.265
MAX RADIUS	:	2.845	2.153	2.132
HORIZONTAL SPREAD	:	3.185	3.185	3.185
VERTICAL SPREAD	:	4.958	4.127	2.450
EXTREME SPREAD	:	5.114	4.175	3.519
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

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FILE:/PATTERNING/CENTERFIRE_PATT/C6611540

CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 6

HS= 4.340

VS= 4.435

GS= 4.805

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.446	2.311	1.150
MINIMUM X	-1.894	-2.029	-1.740
MAXIMUM Y	3.221	1.205	1.322
MINIMUM Y	-1.214	-.856	-.705
CENTROID X	.066	.201	-.088
CENTROID Y	.143	-.215	-.366
POA TO CENTROID in.	.157	.294	.377
MIN RADIUS	.517	.138	.251
MEAN RADIUS	1.555	1.232	1.030
MAX RADIUS	3.441	2.607	1.877
HORIZONTAL SPREAD	4.340	4.340	2.890
VERTICAL SPREAD	4.435	2.061	2.027
EXTREME SPREAD	4.805	4.805	3.221
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		6	