

C6522220

MODEL 700TM M24

Model **SWS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

Remington®

REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

SERIAL NO.
C6522220

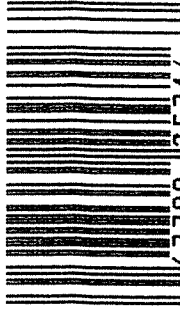
ORDER NO.
5716

01



5716 C6522220

LPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522220

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 2	90	RW
600	Proof	8 2	90	RW
607	Check Headspace	8 2	90	RW
610	Dis-assemble Gun	3 2	90	RW
612	Magnaflux Barrel Action		8/7/90	KR
	Magnaflux Bolt		8/7/90	KR
615	Rollmark Caliber		8/7/90	G.S.
617	Drill and Tap Sight Holes		8/10/90	LB
618	Polish Barrel RB		8/14/90	WB
620	Apply Coatings (Barrel Action)		8/24/90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/27/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/27/90	RW
	C) Inspect Ejector Hole for Chamfer		8/27/90	RW
	D) Oil Firing Pin Ass'y		8/27/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/30/90	JA

op. #	OP. NAME	READINGS					DATE	INIT
525 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			8/30/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			8/30/90	WB
	H) Trigger Pull Test & Retainability						8/30/90	YH
	I) Firing Pin Indent	.072	.073	.0725			8/30/90	WB
	J) Assemble Stock						8/31/90	RW
	K) Assemble Swivel Studs						9/1/90	YH
	L) Attach Front and Rear Sight Assemblies						8/31/90	RW
	M) Iron Sight Alignment						8/31/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/31/90	RW
	O) Attach Scope to Rifle						8/31/90	RW
	P) Detach & Attach Scope 20 Times						8/31/90	RW
640	Gallery Target & Test						9/5/90	NF
	A) Time						9/5/90	NF
	B) Malfunctions						9/5/90	NF
	C) Pierced Primers						9/5/90	NF
	D) Optical Clarity of Scope						9/5/90	NF
645	Inspect for Live Ammo						9/5/90	NF
655	Final Inspection							
	A) Headspace						9/8/90	YH
	B) Trigger Pull	213	214	214	213	215	9/8/90	YH
	C) Function						9/8/90	YH
660	Pack						9-19-90	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. 06522220

DATE 8/30/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.11	2.20	2.13	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.21	2.15	2.14	
PULL #3	2.26	2.18	2.14	2.14	
PULL #4	2.22	2.19	2.18	2.13	
PULL #5	2.20	2.14	2.20	2.15	
TOTAL	11.70	10.83	10.87		
AVG.	2.34	2.166	2.174		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.34		
PULL #2	3.36	3.13		
PULL #3	3.17	3.34		
PULL #4	3.01	3.29		
PULL #5	3.09	3.30		
TOTAL	16.02	16.40		
AVG.	3.204	3.28		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.21		4.23
PULL #2	4.15	4.19		4.03
PULL #3	4.19	4.20		4.23
PULL #4	4.17	4.25		4.24
PULL #5	4.26	4.19		4.27
TOTAL	21.00	21.04		21.00
AVG.	4.2	4.208		4.2

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522220
6 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.265047
1 TO	2	.467149
1 TO	3	.271472
1 TO	4	.267088
1 TO	5	.259341

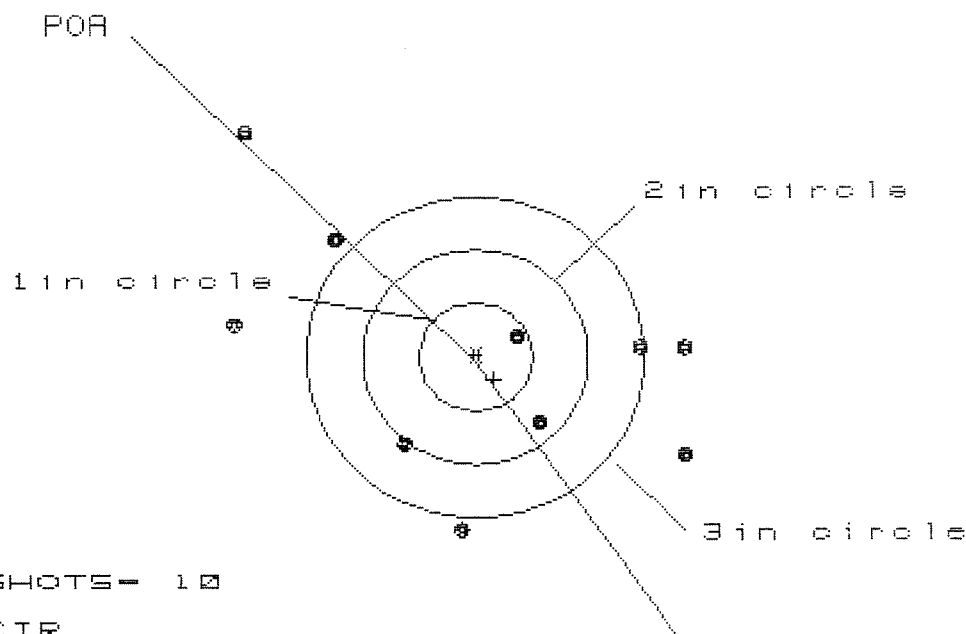
 <----POI

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1608
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .055
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .169946
THE AMR FOR THIS RIFLE IS: 1.393

6 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522220

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 2

3 in = 4

HS = 4.028

VS = 3.717

GS = 4.959

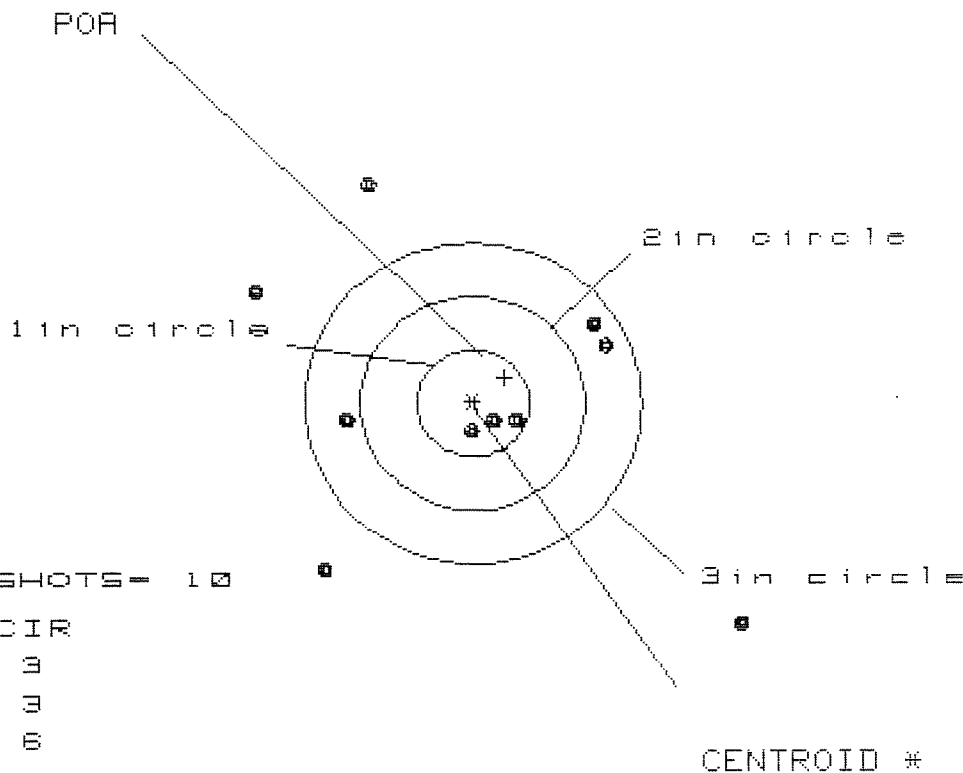
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.902	1.678	1.384
MINIMUM X	:	-2.126	-2.350	-1.731
MAXIMUM Y	:	2.109	1.346	1.416
MINIMUM Y	:	-1.608	-1.374	-1.304
CENTROID X	:	-.163	.061	.355
CENTROID Y	:	.209	-.025	-.095
POA TO CENTROID in.	:	.265	.066	.367
MIN RADIUS	:	.369	.435	.277
MEAN RADIUS	:	1.598	1.392	1.216
MAX RADIUS	:	2.916	2.416	2.236
HORIZONTAL SPREAD	:	4.028	4.028	3.115
VERTICAL SPREAD	:	3.717	2.720	2.720
EXTREME SPREAD	:	4.959	4.220	3.727
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		4	

8 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522220

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 3

3 in = 4

HS = 4.303

VS = 4.078

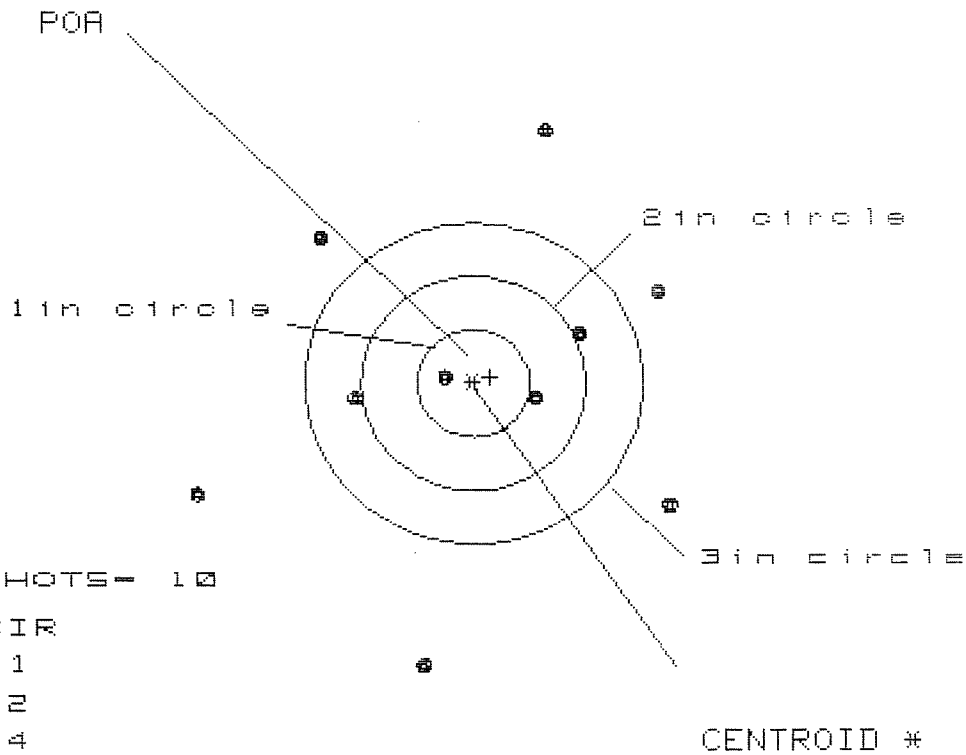
GS = 5.266

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.394	1.495	1.420
MINIMUM X	:	-1.909	-1.643	-1.718
MAXIMUM Y	:	2.054	1.829	1.014
MINIMUM Y	:	-2.024	-1.776	-1.548
CENTROID X	:	-.281	-.547	-.472
CENTROID Y	:	-.243	-.018	-.246
POA TO CENTROID in.	:	.372	.548	.532
MIN RADIUS	:	.249	.529	.289
MEAN RADIUS	:	1.435	1.296	1.149
MAX RADIUS	:	3.135	2.065	1.995
HORIZONTAL SPREAD	:	4.303	3.138	3.138
VERTICAL SPREAD	:	4.078	3.605	2.562
EXTREME SPREAD	:	5.266	3.633	3.355
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

5 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522220

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 2

3 in = 4

HS= 4.131

VS= 4.927

GS= 5.052

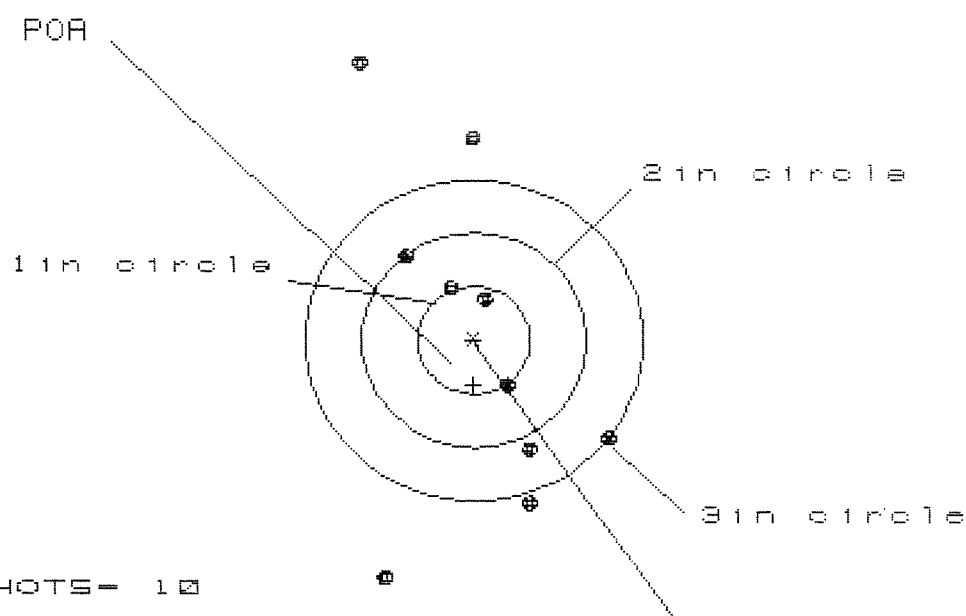
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.698	1.427	1.339
MINIMUM X	:	-2.433	-1.593	-1.681
MAXIMUM Y	:	2.334	2.221	1.883
MINIMUM Y	:	-2.593	-2.706	-1.628
CENTROID X	:	-.147	.124	.212
CENTROID Y	:	-.062	.051	.389
POA TO CENTROID in.	:	.159	.134	.443
MIN RADIUS	:	.222	.341	.564
MEAN RADIUS	:	1.630	1.493	1.331
MAX RADIUS	:	2.638	2.797	2.108
HORIZONTAL SPREAD	:	4.131	3.020	3.020
VERTICAL SPREAD	:	4.927	4.927	3.511
EXTREME SPREAD	:	5.052	5.052	3.950
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		4	

6 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522220

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS= 2.179

VS= 4.793

GS= 4.795

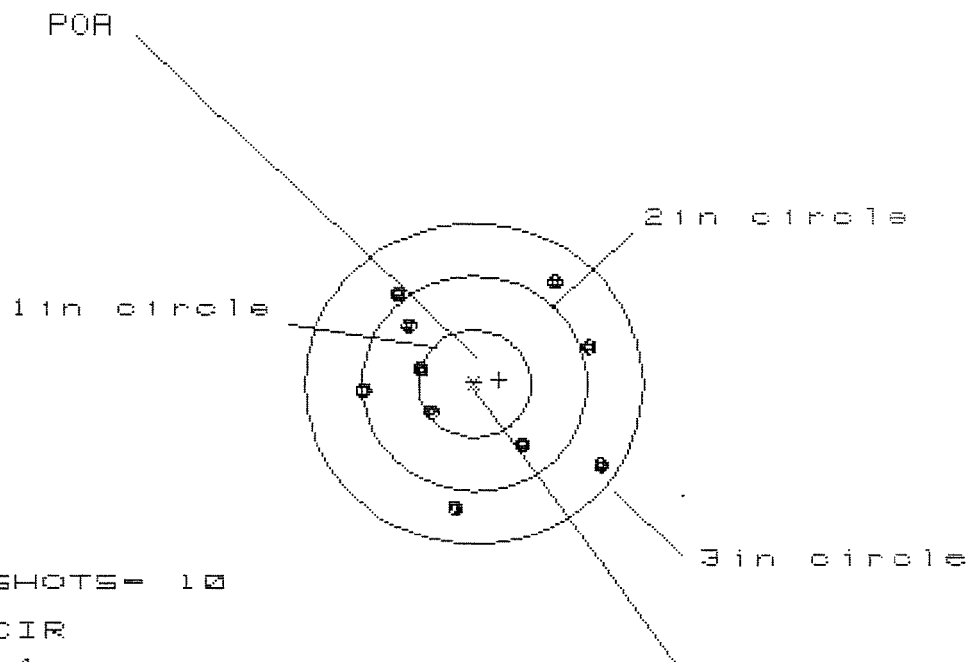
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.209	1.101	.983
MINIMUM X	:	-.970	-.944	-.792
MAXIMUM Y	:	2.587	2.206	1.966
MINIMUM Y	:	-2.206	-1.918	-1.480
CENTROID X	:	.007	.115	.233
CENTROID Y	:	.415	.127	.367
POA TO CENTROID in.	:	.415	.172	.435
MIN RADIUS	:	.445	.219	.391
MEAN RADIUS	:	1.373	1.196	1.064
MAX RADIUS	:	2.763	2.208	1.979
HORIZONTAL SPREAD	:	2.179	2.045	1.775
VERTICAL SPREAD	:	4.793	4.124	3.446
EXTREME SPREAD	:	4.795	4.208	3.480
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

6 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522220

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 2.092

VS= 2.089

GS= 2.420

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.119	1.136	1.245
MINIMUM X	:	-.973	-.849	-.740
MAXIMUM Y	:	.959	.872	.836
MINIMUM Y	:	-1.130	-1.217	-1.108
CENTROID X	:	-.220	-.344	-.453
CENTROID Y	:	-.044	.043	-.066
POA TO CENTROID in.	:	.224	.347	.458
MIN RADIUS	:	.433	.386	.244
MEAN RADIUS	:	.928	.852	.770
MAX RADIUS	:	1.364	1.232	1.297
HORIZONTAL SPREAD	:	2.092	1.985	1.985
VERTICAL SPREAD	:	2.089	2.089	1.944
EXTREME SPREAD	:	2.420	2.298	2.033
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522220
7 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.145086
1 TO	2	.213565
1 TO	3	.94696
1 TO	4	.378784
1 TO	5	.171237

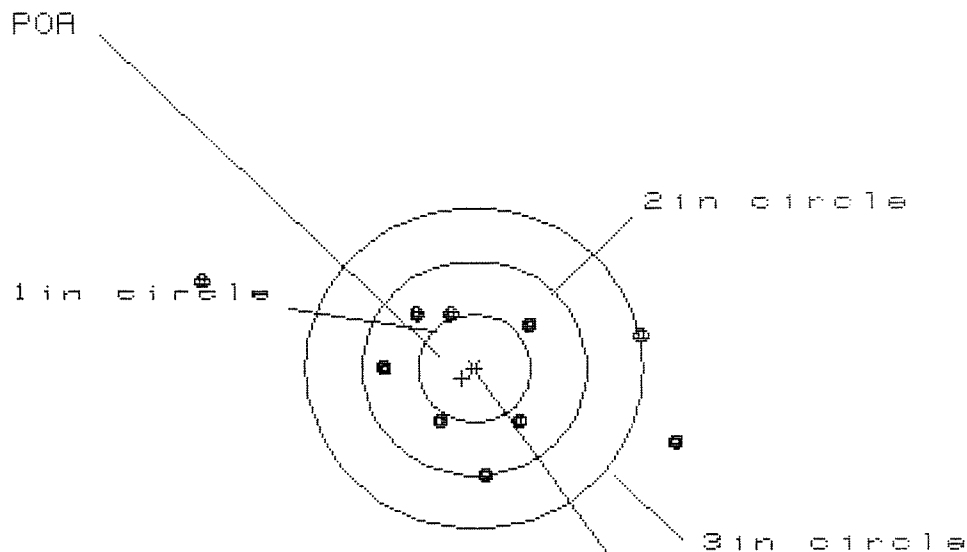
3 ⁴ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2008
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1064
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .227248
THE AMR FOR THIS RIFLE IS: 1.1

6 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522220.1

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 7

3 in = 7

HS = 4.154

VS = 1.797

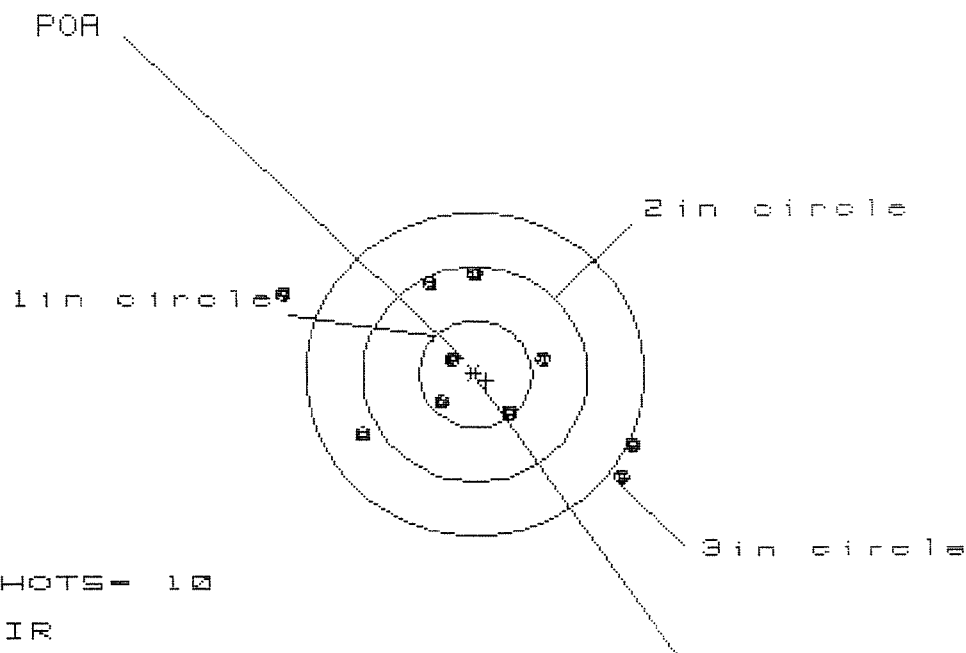
GS = 4.444

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.779	1.515	1.429
MINIMUM X	:	-2.375	-1.083	-.893
MAXIMUM Y	:	.844	.611	.530
MINIMUM Y	:	-.953	-.859	-.940
CENTROID X	:	.113	.377	.187
CENTROID Y	:	.091	-.003	.077
POA TO CENTROID in.	:	.145	.377	.203
MIN RADIUS	:	.557	.414	.571
MEAN RADIUS	:	1.086	.925	.806
MAX RADIUS	:	2.520	1.646	1.476
HORIZONTAL SPREAD	:	4.154	2.598	2.322
VERTICAL SPREAD	:	1.797	1.470	1.470
EXTREME SPREAD	:	4.444	2.705	2.346
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		7	

6 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522280.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 7

HS= 3.071

VS= 1.878

GS= 3.390

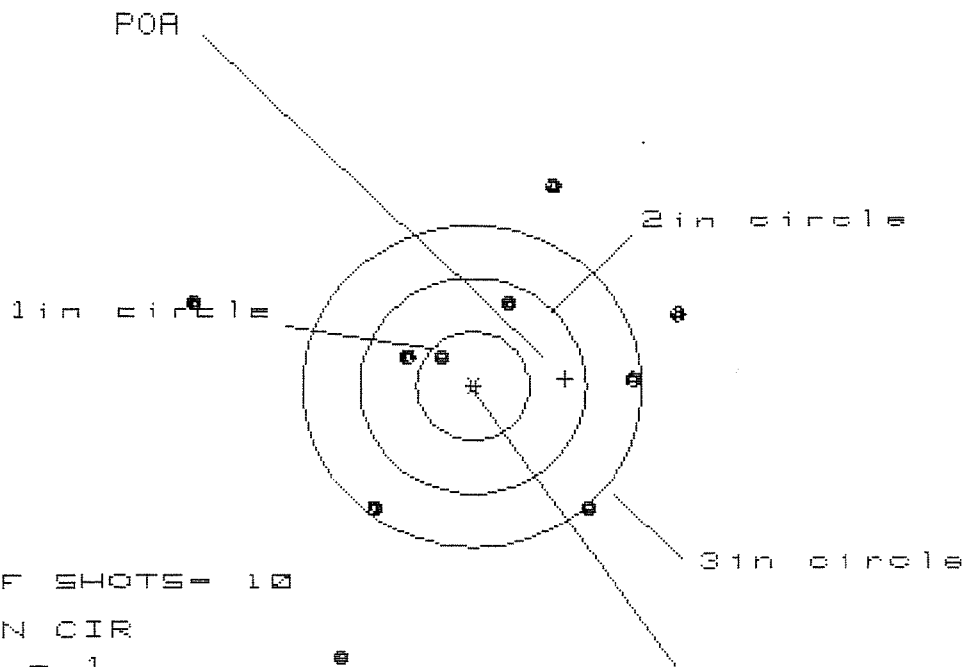
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.410	1.226	1.367
MINIMUM X	:	-1.661	-1.166	-1.025
MAXIMUM Y	:	.952	1.030	.924
MINIMUM Y	:	-.926	-.848	-.676
CENTROID X	:	-.098	.086	-.055
CENTROID Y	:	.058	-.020	.086
POA TO CENTROID in.	:	.114	.088	.102
MIN RADIUS	:	.210	.310	.232
MEAN RADIUS	:	.975	.885	.794
MAX RADIUS	:	1.801	1.414	1.525
HORIZONTAL SPREAD	:	3.071	2.392	2.392
VERTICAL SPREAD	:	1.878	1.878	1.600
EXTREME SPREAD	:	3.390	2.495	2.393
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

6 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522220.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 6

HS= 4.294

VS= 4.424

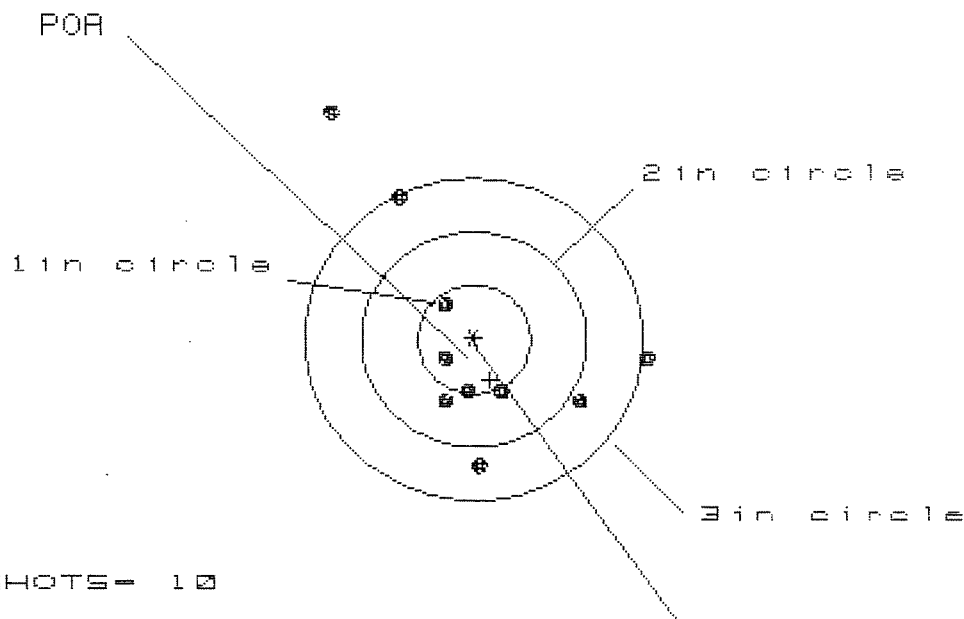
GS= 4.814

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.806	1.675	1.348
MINIMUM X	:	-2.488	-2.619	-1.293
MAXIMUM Y	:	1.865	1.581	1.646
MINIMUM Y	:	-2.559	-1.389	-1.324
CENTROID X	:	-.820	-.689	-.362
CENTROID Y	:	-.071	.213	.148
POA TO CENTROID in.	:	.823	.721	.391
MIN RADIUS	:	.413	.443	.598
MEAN RADIUS	:	1.561	1.382	1.219
MAX RADIUS	:	2.817	2.669	1.841
HORIZONTAL SPREAD	:	4.294	4.294	2.641
VERTICAL SPREAD	:	4.424	2.970	2.970
EXTREME SPREAD	:	4.814	4.297	3.340
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

6 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522220.1

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.818

VS= 3.222

GS= 3.596

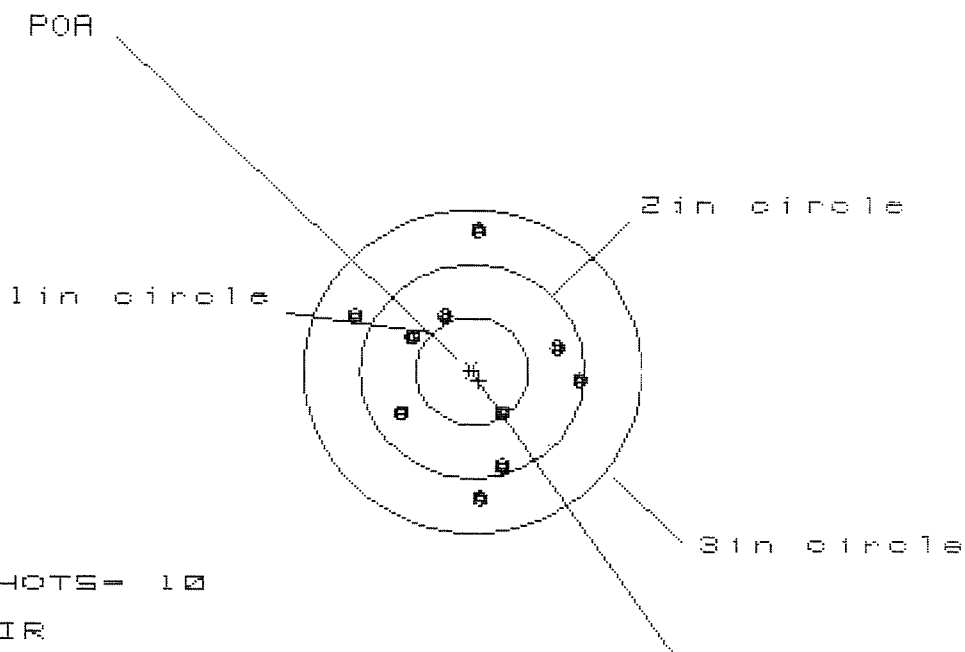
CENTROID #

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.546	1.405	.952
MINIMUM X	:	-1.272	-.801	-.626
MAXIMUM Y	:	2.080	1.546	1.555
MINIMUM Y	:	-1.142	-.911	-.902
CENTROID X	:	-.141	.000	-.175
CENTROID Y	:	.372	.141	.132
POA TO CENTROID in.	:	.398	.141	.219
MIN RADIUS	:	.307	.261	.208
MEAN RADIUS	:	1.014	.797	.688
MAX RADIUS	:	2.438	1.741	1.676
HORIZONTAL SPREAD	:	2.818	2.206	1.578
VERTICAL SPREAD	:	3.222	2.457	2.457
EXTREME SPREAD	:	3.596	2.650	2.564
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

6 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522220.1

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS = 1.965

VS = 2.446

GS = 2.446

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.947	.956	.967
MINIMUM X	:	-1.018	-1.009	-.999
MAXIMUM Y	:	1.269	.668	.539
MINIMUM Y	:	-1.177	-1.036	-.852
CENTROID X	:	-.058	-.067	-.078
CENTROID Y	:	.082	-.059	.070
POA TO CENTROID in.	:	.100	.089	.105
MIN RADIUS	:	.435	.340	.438
MEAN RADIUS	:	.864	.806	.773
MAX RADIUS	:	1.272	1.211	1.135
HORIZONTAL SPREAD	:	1.965	1.965	1.965
VERTICAL SPREAD	:	2.446	1.704	1.391
EXTREME SPREAD	:	2.446	2.053	2.053
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	