

C6522220

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

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

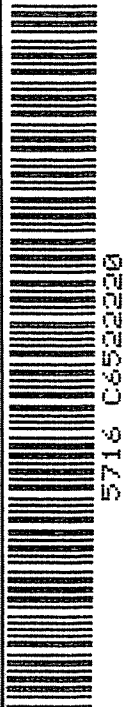
MODEL 700™ H24

SERIAL NO. C6522220

ORDER NO. 5716

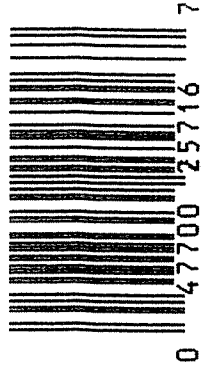
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Q1



5716 C6522220

UPC



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	8 2	90	RW
612	Magnaflux Barrel Action		8/7/90	KR
	Magnaflux Bolt		8/7/90	KR
615	Rollmark Caliber		8/7/90	LS
617	Drill and Tap Sight Holes		8/10/90	FB
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
625 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	JS
	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	JS
	B) Trigger Pull	213	214	214	213	215	9/8/90	JS
	C) Function						9/8/90	JS
660	Pack						9-19-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06522220DATE 8/30/90TESTER 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 # C6522220
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

 <----POA

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

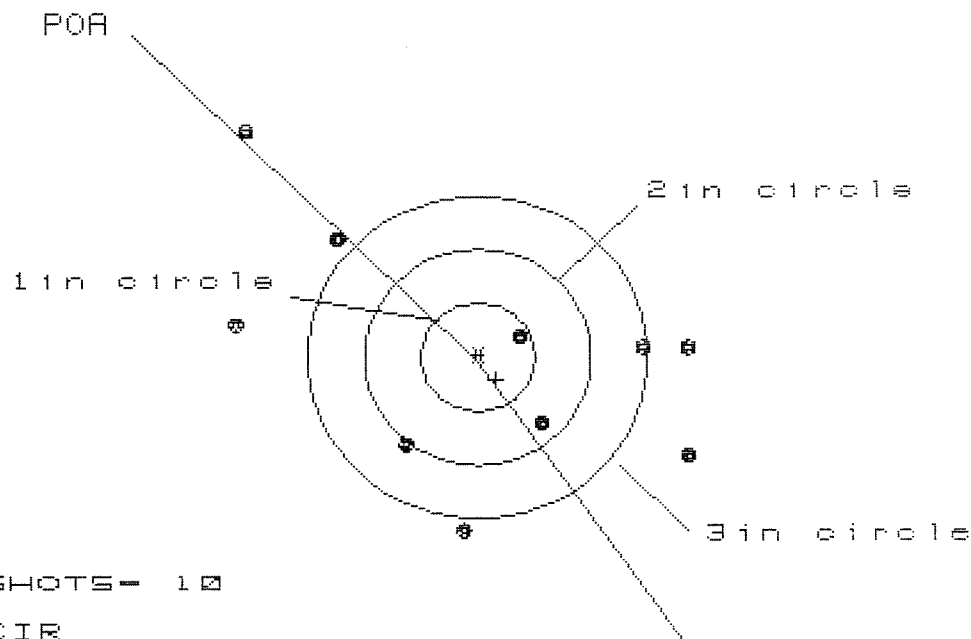
THE AMR FOR THIS RIFLE IS: 1.393

6 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522220

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

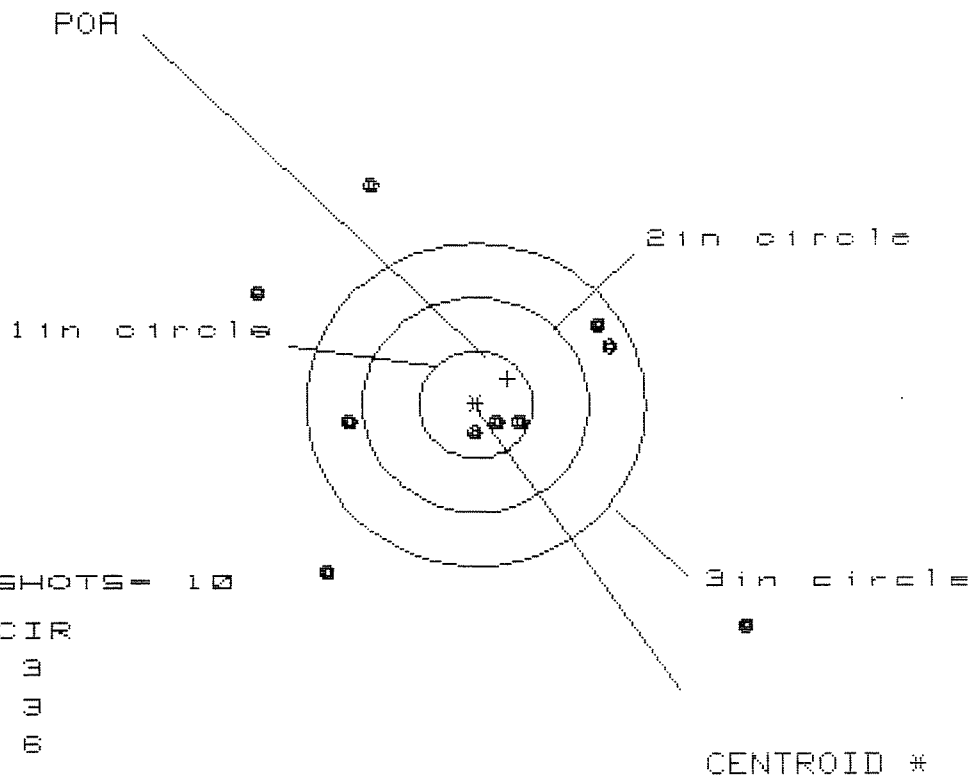
CENTROID *

PATTERN #	1	2	3
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		

6 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522220

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 3

3 in = 6

HS= 4.303

VS= 4.078

GS= 5.266

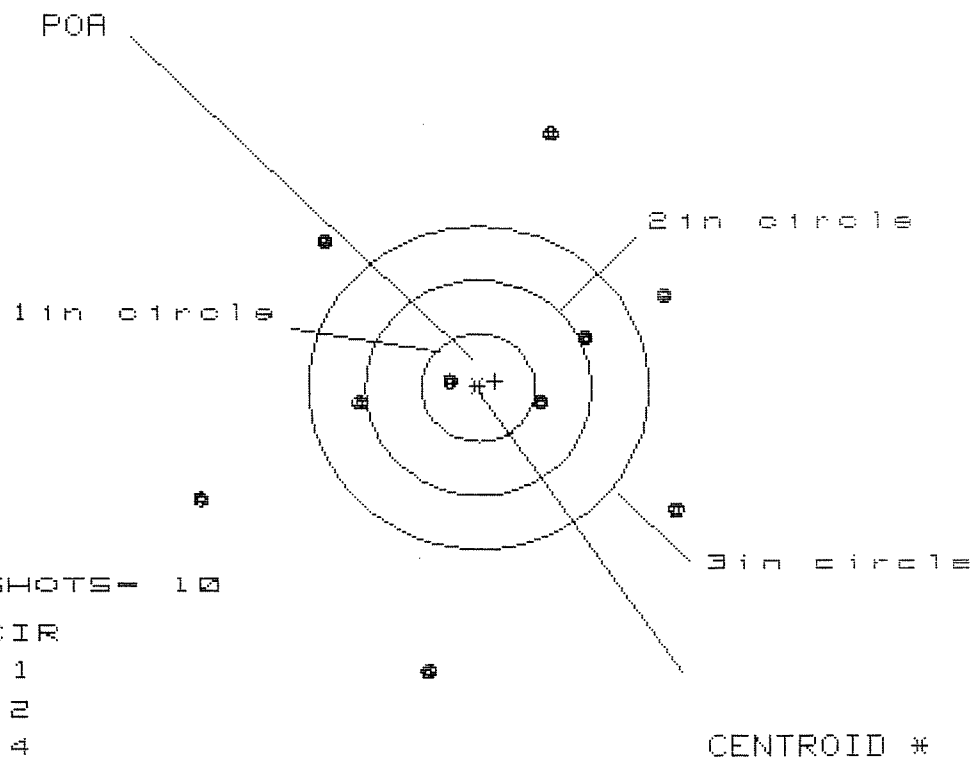
CENTROID #

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	

6 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

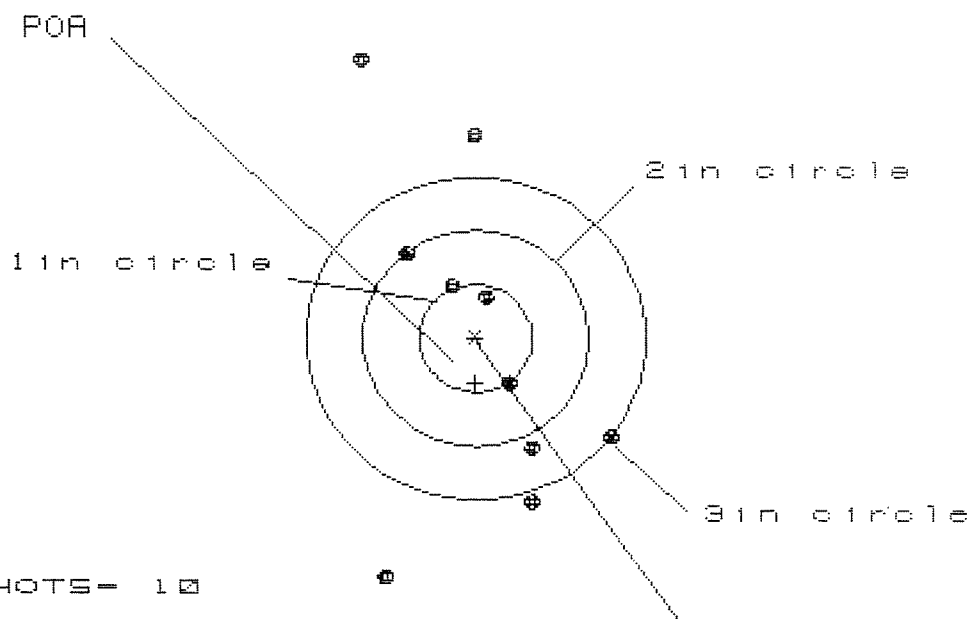
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.698	1.427	1.339
MINIMUM X	:	-2.433	-1.593	-1.681
MAXIMUM Y	:	2.334	2.221	1.883
MINIMUM Y	:	-2.593	-2.706	-1.628
CENTROID X	:	-.147	.124	.212
CENTROID Y	:	-.062	.051	.389
POA TO CENTROID in.	:	.159	.134	.443
MIN RADIUS	:	.222	.341	.564
MEAN RADIUS	:	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/08522220

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS = 2.179

VS = 4.793

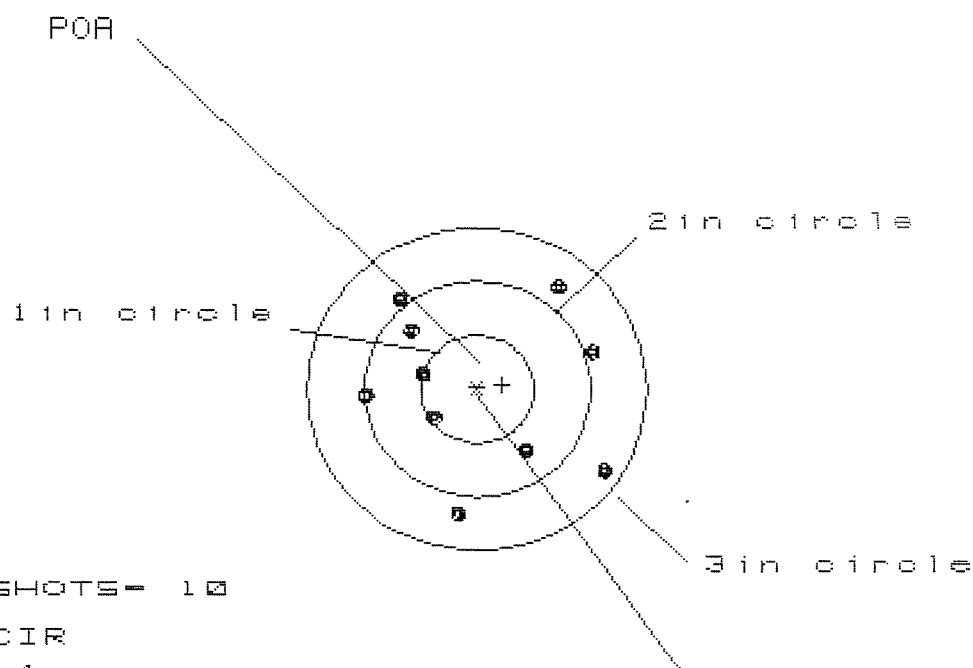
GS = 4.795

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	

8 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522220

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 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

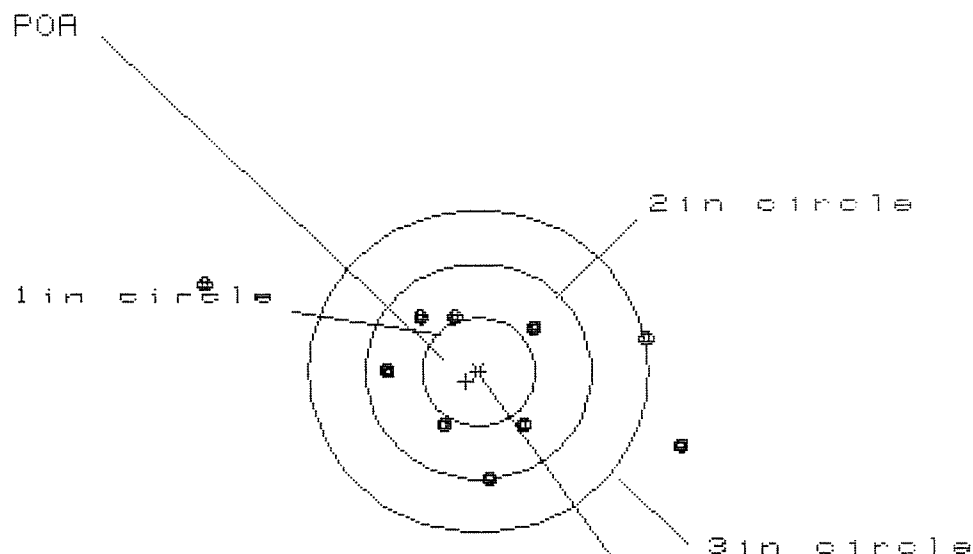
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2008
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1064
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .227248

THE AMR FOR THIS RIFLE IS: 1.1

6 Sep 1990

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

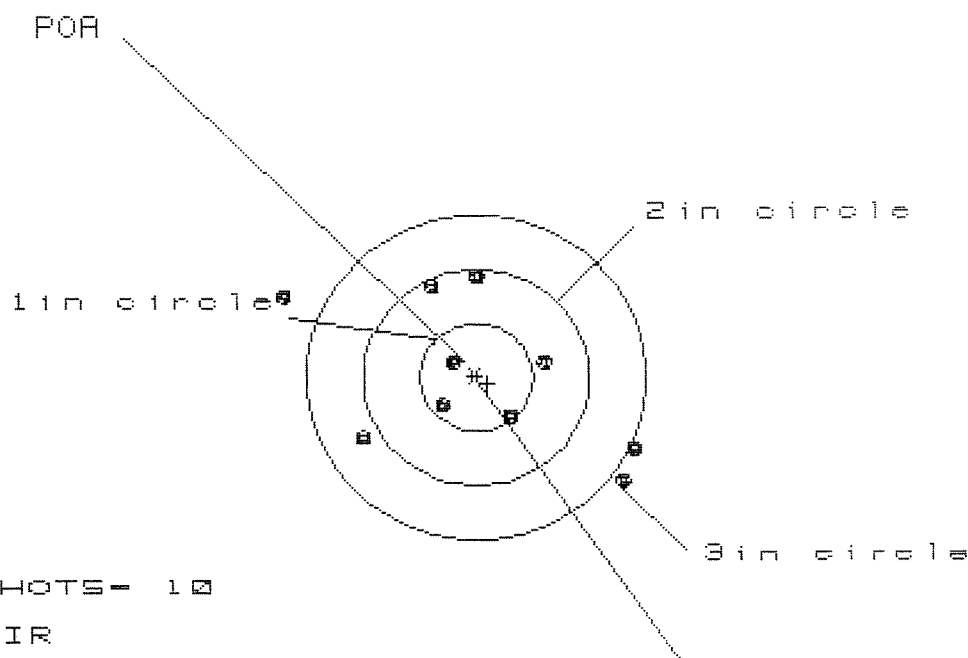
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.779	1.515	1.429
MINIMUM X	:	-2.375	-1.083	-0.893
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 1990

FILE:/PATTERNING/CENTERFIRE_PATT/CG5222200.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 7

HS= 3.071

VS= 1.878

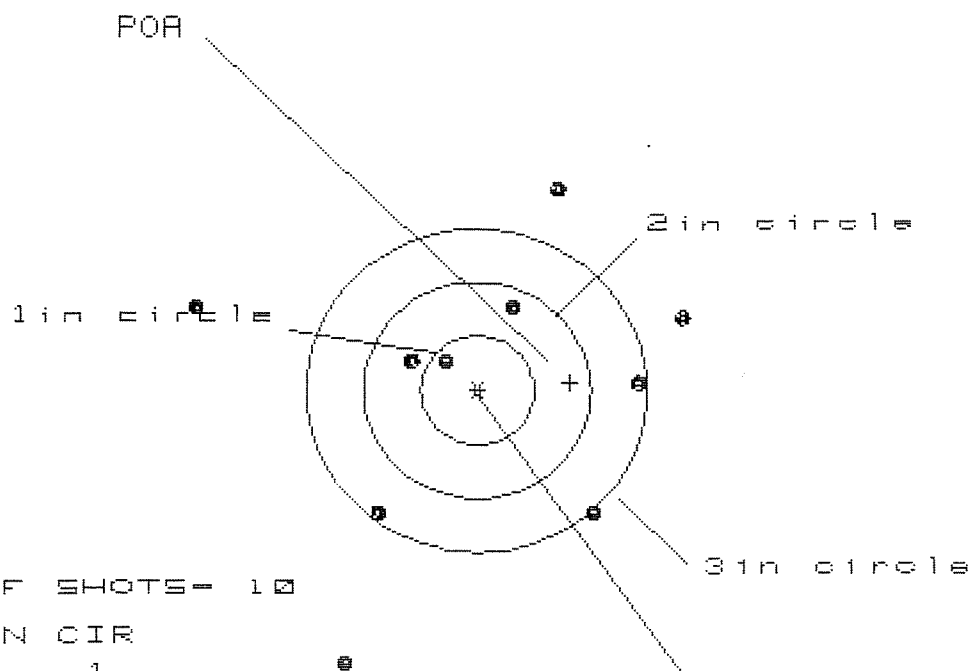
GS= 3.390

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

1 in = 1

2 in = 3

3 in = 6

HS= 4.294

VS= 4.424

GS= 4.814

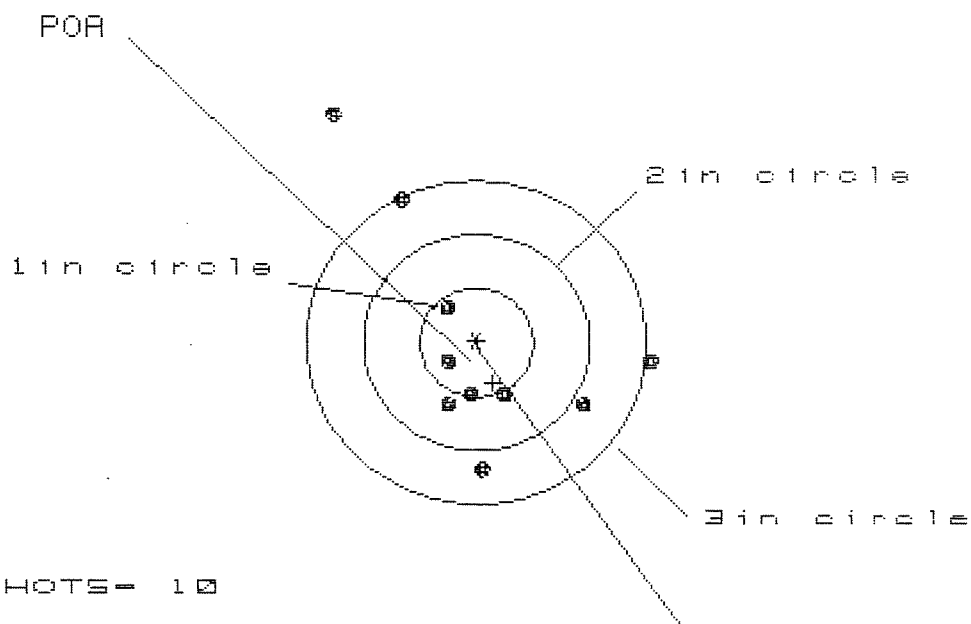
CENTROID *

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

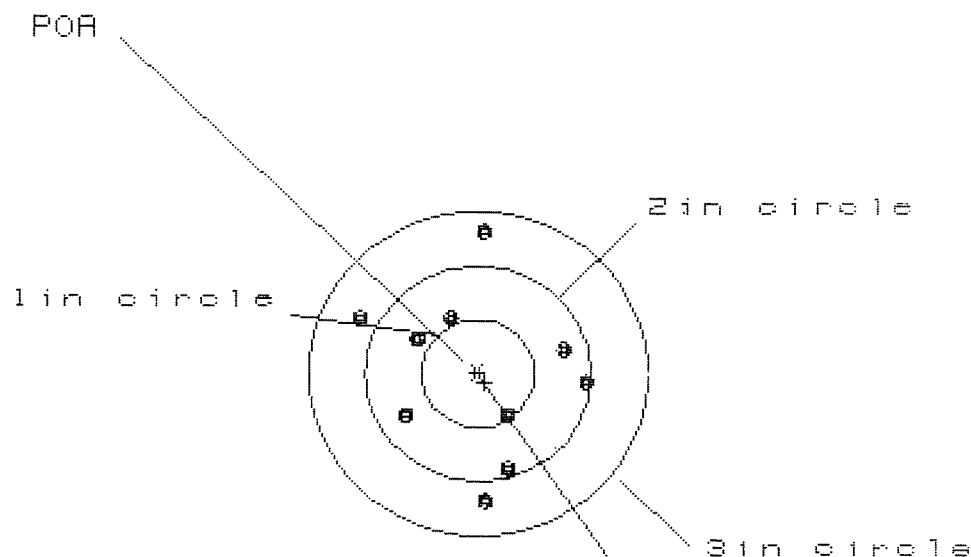
CENTROID *

PATTERN #	:	4		
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/C6522220.1

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

CENTROID *

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	