

Smead
®

FURN

BARREL LENGTH

CAPACITY*

*INCLUDES 1 IN CHAMBER

C6649051

UPC



0 47700 25716 7

MODEL 700 TM M24

ORDER NO. 5716

Remington



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

MODEL 700TM M24

SERIAL NO.

C6649051

ORDER NO.

5716

20

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



5716 C6649051

ORDER 5716

MODEL 700TM M24

UPC

ORDER 5716

MODEL 700TM M24

UPC



0 47700 25716 7



0 47700 25716 7

MOD. _____ GA. CAL. _____ GUN # 9051

#	TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
		1st		
KF		12/5	Shaver Brass	RW
		2nd		
		12/11	Repaired KS	
		3rd		
		4th		
			FUNCTION	

RD 6654

Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	<i>100 Rel test</i> <i>OK</i> <i>12-12-91</i>	
TEST <i>AC</i>		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

INTERCHANGEABILITY

M-24

1.285

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649051

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	9 26 91	RW
600	Proof		9 26 91	RW
607	Check Headspace		9 26 91	RW
610	Dis-assemble Gun		9 26 91	RW
612	Magnaflux Barrel Action		OCT 3 1991	KCR
	Magnaflux Bolt		OCT 3 1991	KCR
615	Rollmark Caliber		OCT 3 1991	CS
617	Drill and Tap Sight Holes		OCT 4 1991	FB
618	Polish Barrel		OCT 4 1991	WB
620	Apply Coatings (Barrel Action)		10-18-91	DA
	Apply Coating (Bolt)		10-18-91	DA
625	Final Assembly			
	A) Clean inside of Bolt Assembly		10/18/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/18/91	RW
	C) Inspect Ejector Hole for Chamfer		10/18/91	RW
	D) Oil Firing Pin Ass'y		10/18/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-20-91	JP

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			11/20/91	SH
	G) Safety Off Force	3	3	3			11/20/91	SH
	H) Trigger Pull Test & Retainability						11-20-91	SH
	I) Firing Pin Indent	.020	.020	.020			11-20-91	SH
	J) Assemble Stock						12/5/91	RW
	K) Assemble Swivel Studs						12-12-91	SH
	L) Attach Front and Rear Sight Assemblies						12/5/91	RW
	M) Iron Sight Alignment						12/5/91	RW
	N) Detach Front & Rear Sights & place in numbered container						12/5/91	RW
	O) Attach Scope to Rifle						12/5/91	RW
	P) Detach & Attach Scope 20 Times						12/5/91	RW
640	Gallery Target & Test						12/5/91	LT
	A) Time						"	LT
	B) Malfunctions						"	LT
	C) Pierced Primers						"	LT
	D) Optical Clarity of Scope						"	LT
645	Inspect for Live Ammo						12/5/91	LT
655	Final Inspection							
	A) Headspace						12-12-91	SH
	B) Trigger Pull	232	234	242	250	253	12-7-91	D/L
	C) Function						12-12-91	SH
660	Pack						12-18-91	N

SWS TRIGGER PULL TEST

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

SERIAL NO. C 6649051

DATE 11-20-91

TESTER SM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.52	2.50	2.32	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.54	2.50	2.44	2.34	
PULL #3	2.50	2.49	2.51	2.42	
PULL #4	2.55	2.54	2.55	2.50	
PULL #5	2.55	2.54	2.51	2.53	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.32		
PULL #2	3.27	3.28		
PULL #3	3.28	3.38		
PULL #4	3.36	3.46		
PULL #5	3.36	3.37		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.54		4.57
PULL #2	4.16	4.68		4.56
PULL #3	4.55	4.56		4.60
PULL #4	4.46	4.54		4.59
PULL #5	4.49	4.54		4.57
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649051
6 Dec 1991

CENTROIDAL DISTANCES

0 TO	1	.393314
1 TO	2	.705437
1 TO	3	.674131
1 TO	4	.742122
1 TO	5	.707018

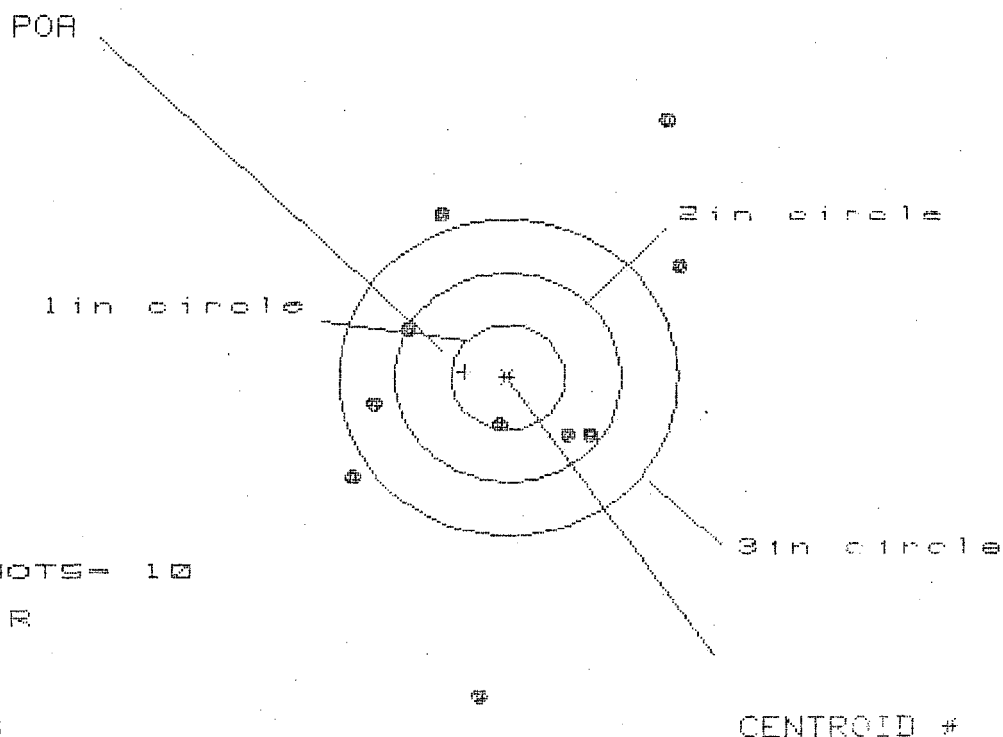
$\frac{1}{34} \pm 5$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1018
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1000
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .145260
THE AMR FOR THIS RIFLE IS: 1.285

6 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649051

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 5

HS= 2.891

VS= 5.483

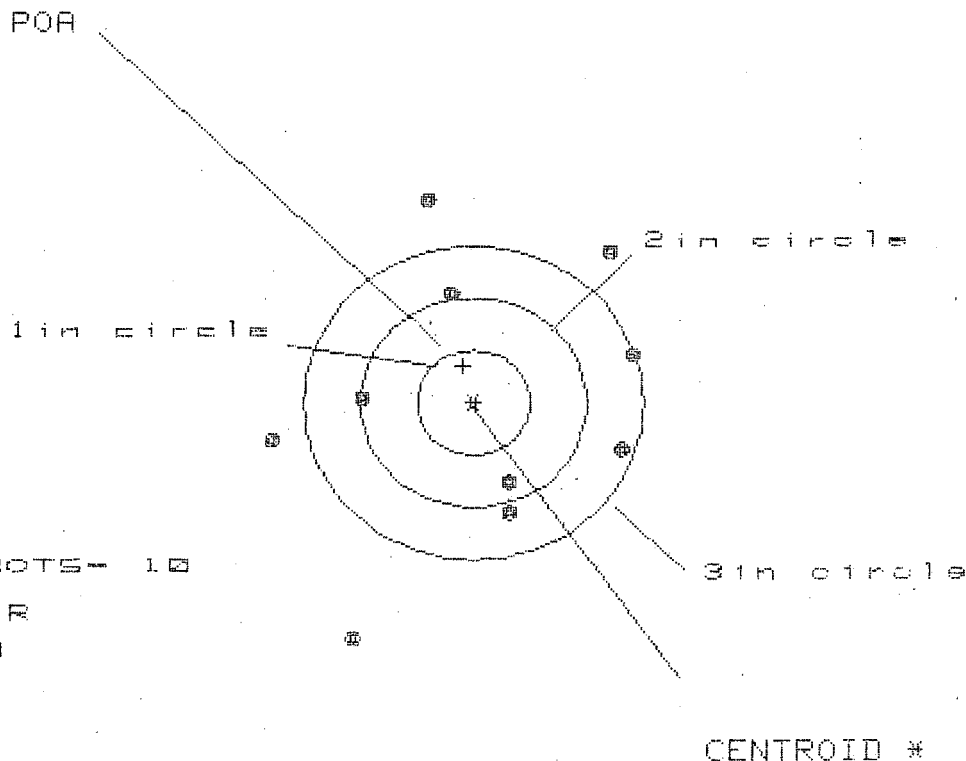
GS= 5.729

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.556	1.530	1.706
MINIMUM X	-1.335	-1.361	-1.185
MAXIMUM Y	2.486	2.153	1.490
MINIMUM Y	-2.997	-1.244	-.974
CENTROID X	.379	.405	.229
CENTROID Y	-.055	.278	.008
POA TO CENTROID in.	.383	.491	.230
MIN RADIUS	.405	.739	.482
MEAN RADIUS	1.534	1.402	1.183
MAX RADIUS	3.006	2.570	1.996
HORIZONTAL SPREAD	2.891	2.891	2.891
VERTICAL SPREAD	5.483	3.397	2.464
EXTREME SPREAD	5.729	4.379	3.522
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	5		

8 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649051

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 1

3 in = 6

HS= 3.210

VS= 4.247

GS= 4.366

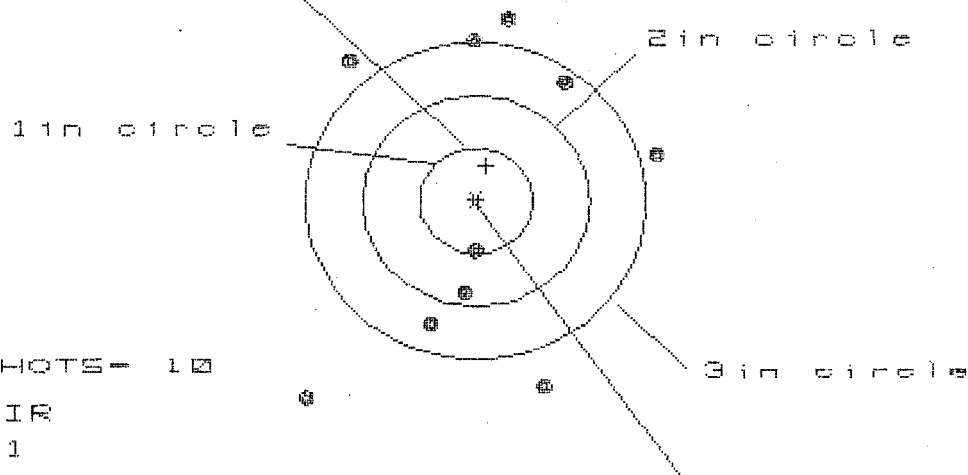
PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.405	1.286	1.221
MINIMUM X	-1.805	-1.924	-1.989
MAXIMUM Y	1.961	1.707	1.421
MINIMUM Y	-2.286	-1.342	-1.129
CENTROID X	.090	.209	.274
CENTROID Y	-.347	-.093	-.306
POA TO CENTROID in.	.359	.229	.411
MIN RADIUS	.794	.819	.792
MEAN RADIUS	1.510	1.384	1.309
MAX RADIUS	2.523	2.029	2.035
HORIZONTAL SPREAD	3.210	3.210	3.210
VERTICAL SPREAD	4.247	3.049	2.549
EXTREME SPREAD	4.366	3.506	3.506
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	1		
NUMBER IN THREE INCH CIRCLE =	6		

6 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649051

CENTERFIRE PATTERNS # 3

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 4

HS= 3.113

VS= 3.653

GS= 4.076

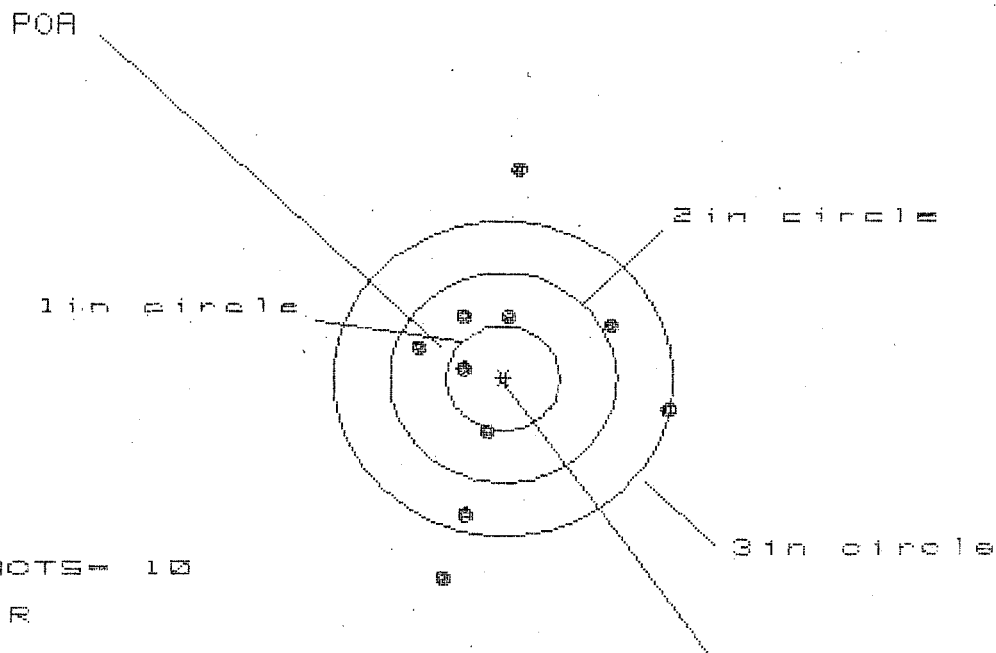
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.561	1.388	1.444
MINIMUM X	:	-1.552	-1.264	-1.208
MAXIMUM Y	:	1.781	1.573	1.329
MINIMUM Y	:	-1.872	-1.945	-1.637
CENTROID X	:	-.092	.081	.025
CENTROID Y	:	-.333	-.125	.118
POA TO CENTROID in.	:	.345	.148	.121
MIN RADIUS	:	.497	.737	.968
MEAN RADIUS	:	1.490	1.380	1.286
MAX RADIUS	:	2.432	1.996	1.732
HORIZONTAL SPREAD	:	3.113	2.652	2.652
VERTICAL SPREAD	:	3.653	3.518	2.967
EXTREME SPREAD	:	4.076	3.537	3.050
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		4	

6 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649051

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.204

VS= 3.832

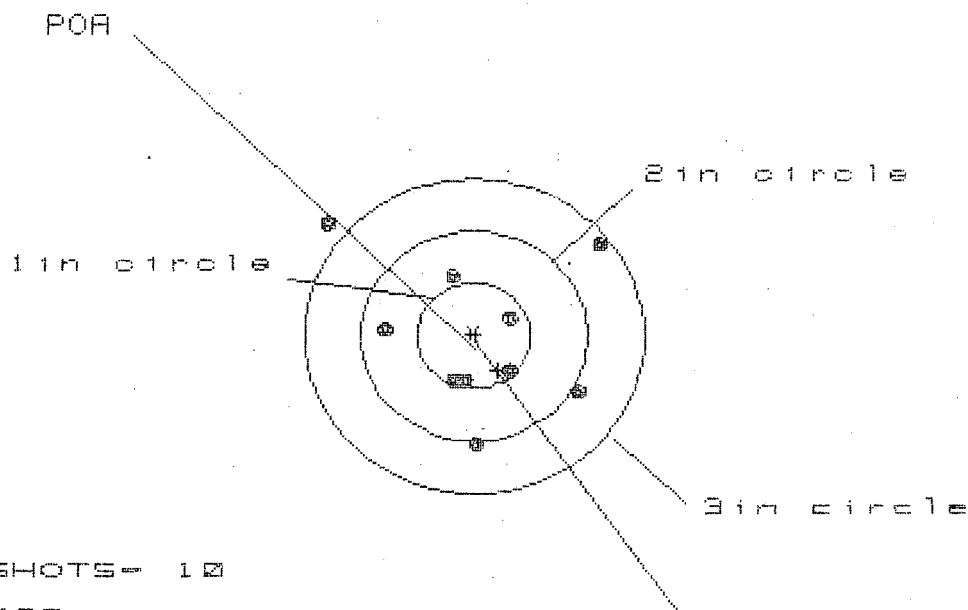
GS= 3.898

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.458	1.472	1.399
MINIMUM X	:	-.746	-.732	-.805
MAXIMUM Y	:	1.964	.832	.625
MINIMUM Y	:	-1.869	-1.650	-1.256
CENTROID X	:	.346	.332	.405
CENTROID Y	:	-.099	-.318	-.111
POA TO CENTROID in.	:	.360	.460	.420
MIN RADIUS	:	.377	.361	.438
MEAN RADIUS	:	1.086	.995	.877
MAX RADIUS	:	1.967	1.749	1.435
HORIZONTAL SPREAD	:	2.204	2.204	2.204
VERTICAL SPREAD	:	3.832	2.482	1.881
EXTREME SPREAD	:	3.898	2.822	2.280
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

6 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649051

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 2.367

VS= 2.020

GS= 2.660

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.086	.943	.864
MINIMUM X	-1.281	-.972	-.854
MAXIMUM Y	1.021	1.009	.785
MINIMUM Y	-.999	-.886	-.760
CENTROID X	-.214	-.071	-.189
CENTROID Y	.330	.217	.090
POA TO CENTROID in.	.393	.228	.210
MIN RADIUS	.292	.239	.204
MEAN RADIUS	.807	.685	.571
MAX RADIUS	1.638	1.382	.908
HORIZONTAL SPREAD	2.367	1.915	1.718
VERTICAL SPREAD	2.020	1.895	1.545
EXTREME SPREAD	2.660	2.187	1.813
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649051
14 Dec 1991

CENTROIDAL DISTANCES

0 TO	1	.0963379
1 TO	2	.0164924
1 TO	3	.234088
1 TO	4	.148708
1 TO	5	.314884

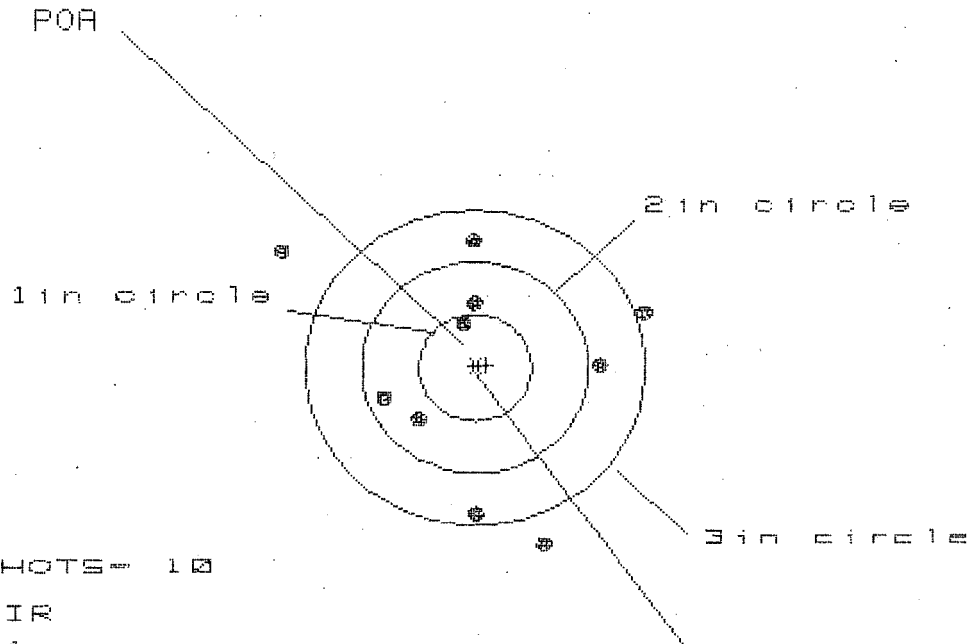
544 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.1554$
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $-.0374$
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.159837$
THE AMR FOR THIS RIFLE IS: 1.08

14 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CG649051.1

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 3.208

VS= 2.815

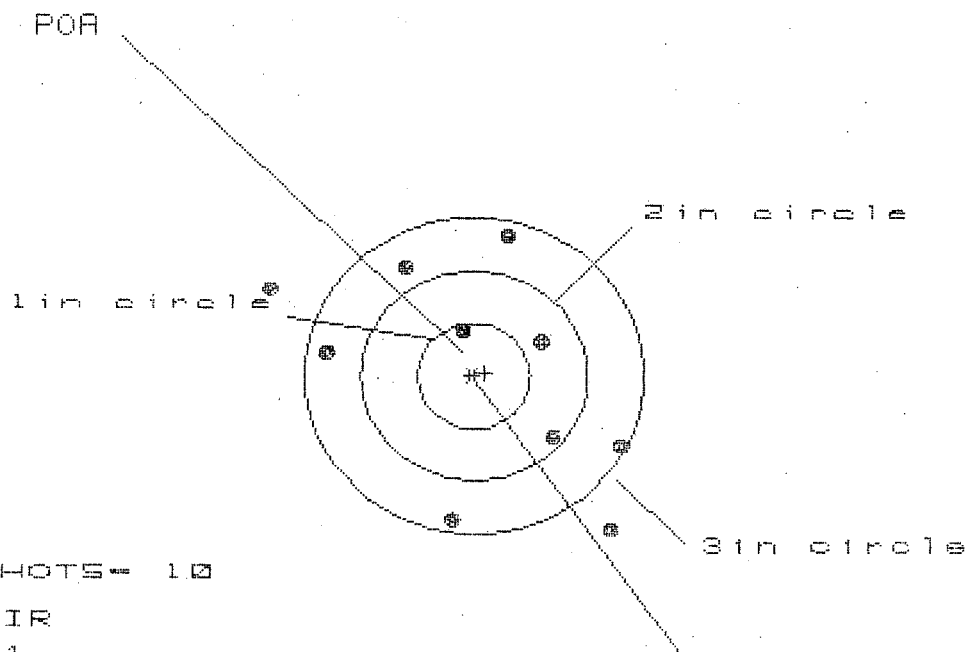
GS= 3.616

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.502	1.313	1.368
MINIMUM X	:	-1.706	-1.040	-.985
MAXIMUM Y	:	1.180	1.304	1.116
MINIMUM Y	:	-1.635	-1.511	-1.463
CENTROID X	:	-.095	.094	.039
CENTROID Y	:	-.016	-.140	.048
POA TO CENTROID in.	:	.097	.169	.062
MIN RADIUS	:	.408	.601	.414
MEAN RADIUS	:	1.157	1.073	.971
MAX RADIUS	:	2.043	1.574	1.469
HORIZONTAL SPREAD	:	3.208	2.353	2.353
VERTICAL SPREAD	:	2.815	2.815	2.579
EXTREME SPREAD	:	3.616	2.889	2.579
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

14 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649051.1

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 1

2in = 3

3in = 8

HS = 3.080

VS = 2.834

GS = 3.762

CENTROID #

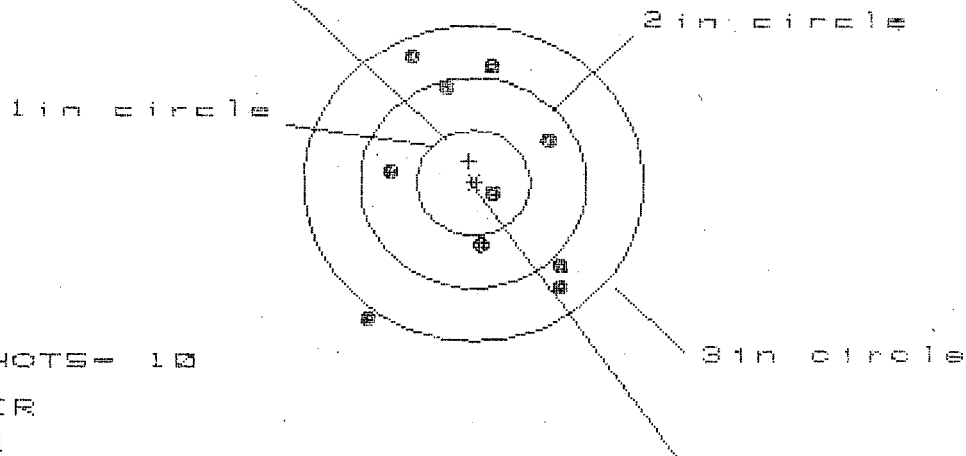
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.293	1.095	1.219
MINIMUM X	:	-1.786	-1.457	-1.333
MAXIMUM Y	:	1.346	1.436	1.261
MINIMUM Y	:	-1.488	-1.398	-1.461
CENTROID X	:	-.099	.099	-.025
CENTROID Y	:	-.032	-.122	.053
POA TO CENTROID in.:	:	.104	.157	.059
MIN RADIUS	:	.440	.590	.390
MEAN RADIUS	:	1.260	1.168	1.074
MAX RADIUS	:	1.961	1.716	1.495
HORIZONTAL SPREAD	:	3.080	2.552	2.552
VERTICAL SPREAD	:	2.834	2.834	2.722
EXTREME SPREAD	:	3.762	3.084	2.768
NUMBER IN ONE INCH CIRCLE =	:		1	
NUMBER IN TWO INCH CIRCLE =	:		3	
NUMBER IN THREE INCH CIRCLE =	:		8	

14 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649051.1

CENTERFIRE PATTERNS # 3

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 1.700

VS= 2.492

GS= 2.673

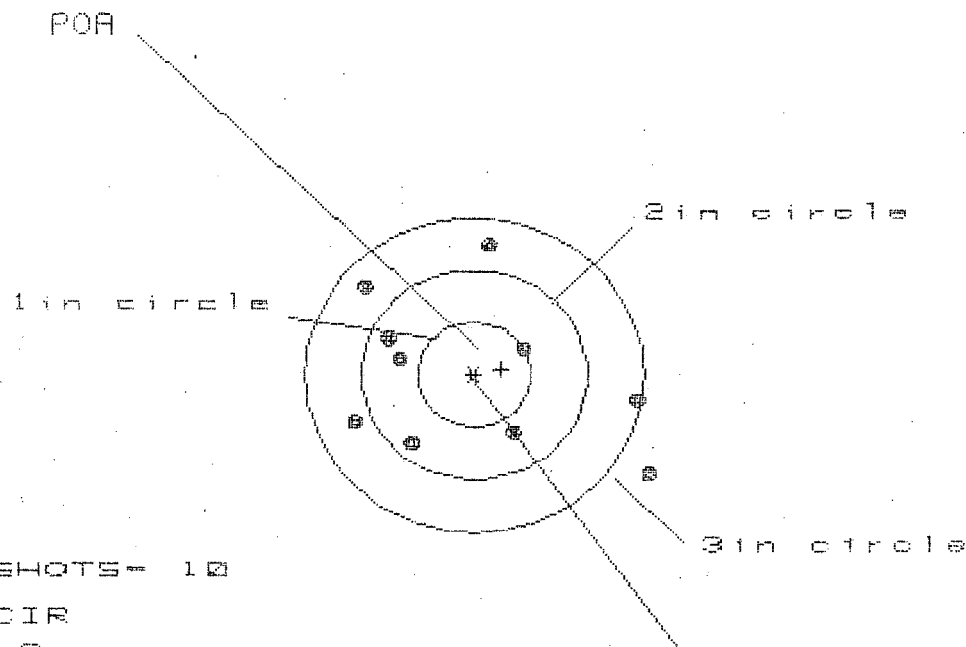
CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.746
MINIMUM X	-.954
MAXIMUM Y	1.195
MINIMUM Y	-1.297
CENTROID X	.036
CENTROID Y	-.210
POA TO CENTROID in.	.213
MIN RADIUS	.205
MEAN RADIUS	.974
MAX RADIUS	1.610
HORIZONTAL SPREAD	1.700
VERTICAL SPREAD	2.492
EXTREME SPREAD	2.673
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9

14 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CGB49051.1

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 9

HS= 2.628

VS= 2.115

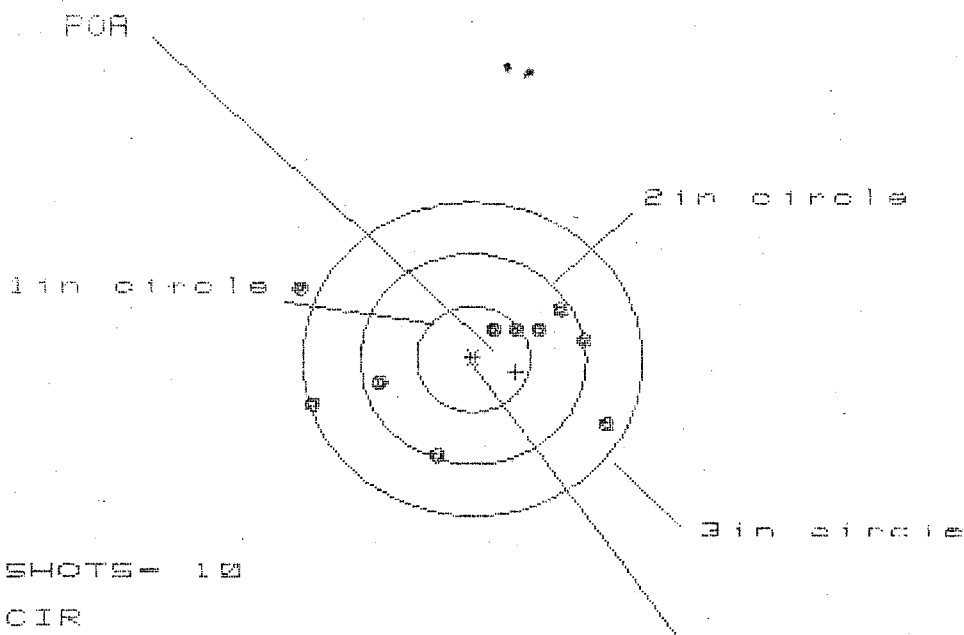
GS= 3.016

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.546	1.605	.936
MINIMUM X	:	-1.082	-.910	-.709
MAXIMUM Y	:	1.208	1.108	1.065
MINIMUM Y	:	-.906	-.774	-.817
CENTROID X	:	-.240	-.412	-.613
CENTROID Y	:	-.049	.052	.095
POA TO CENTROID in.	:	.245	.415	.620
MIN RADIUS	:	.534	.469	.271
MEAN RADIUS	:	1.040	.927	.795
MAX RADIUS	:	1.792	1.641	1.179
HORIZONTAL SPREAD	:	2.628	2.515	1.545
VERTICAL SPREAD	:	2.115	1.882	1.882
EXTREME SPREAD	:	3.016	2.582	2.031
NUMBER IN ONE INCH CIRCLE =			0	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	

14 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649851.1

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 3

HS= 2.686

VS= 1.657

GS= 2.998

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.161	.991	.793
MINIMUM X	-1.525	-1.587	-1.185
MAXIMUM Y	.706	.594	.554
MINIMUM Y	-.951	-.872	-.912
CENTROID X	-.379	-.209	-.011
CENTROID Y	.120	.041	.081
POA TO CENTROID in.	.397	.213	.091
MIN RADIUS	.349	.379	.306
MEAN RADIUS	.971	.863	.716
MAX RADIUS	1.681	1.618	1.203
HORIZONTAL SPREAD	2.686	2.578	1.978
VERTICAL SPREAD	1.657	1.466	1.466
EXTREME SPREAD	2.998	2.588	2.014
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	