

C6349198

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349198.__0
FILE DATE AND TIME: 09/30/2004 07:51

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.088
The Average Y Centroid of the Five Target Set:	0.145
The Average Point of Impact of the Five Target Set:	0.170
The Average Mean Radius of the Five Target Set:	0.870
The Distance from POA to Centroid Target #1:	0.407
The Distance from Centroid Target #2 to Centroid Target #1:	0.283
The Distance from Centroid Target #3 to Centroid Target #1:	0.146
The Distance from Centroid Target #4 to Centroid Target #1:	0.458
The Distance from Centroid Target #5 to Centroid Target #1:	0.388

SERIAL NUMBER: C6349198. __0

TARGET NUMBER: 1

FILE DATE: 09/30/2004

FILE TIME: 07:51

POINT#	X	Y
1:	0.032	-1.377
2:	0.282	-1.051
3:	0.804	-0.563
4:	-0.522	-0.449
5:	0.553	0.668
6:	-0.313	0.550
7:	0.415	1.609
8:	-0.458	1.670
9:	-1.662	2.503

X CENTROID: -0.097

Y CENTROID: 0.396

POA TO CENTROID: 0.407

HORZ SPREAD: 2.466

VERT SPREAD: 3.880

GROUP SPREAD: 4.234

MIN RADIUS: 0.266

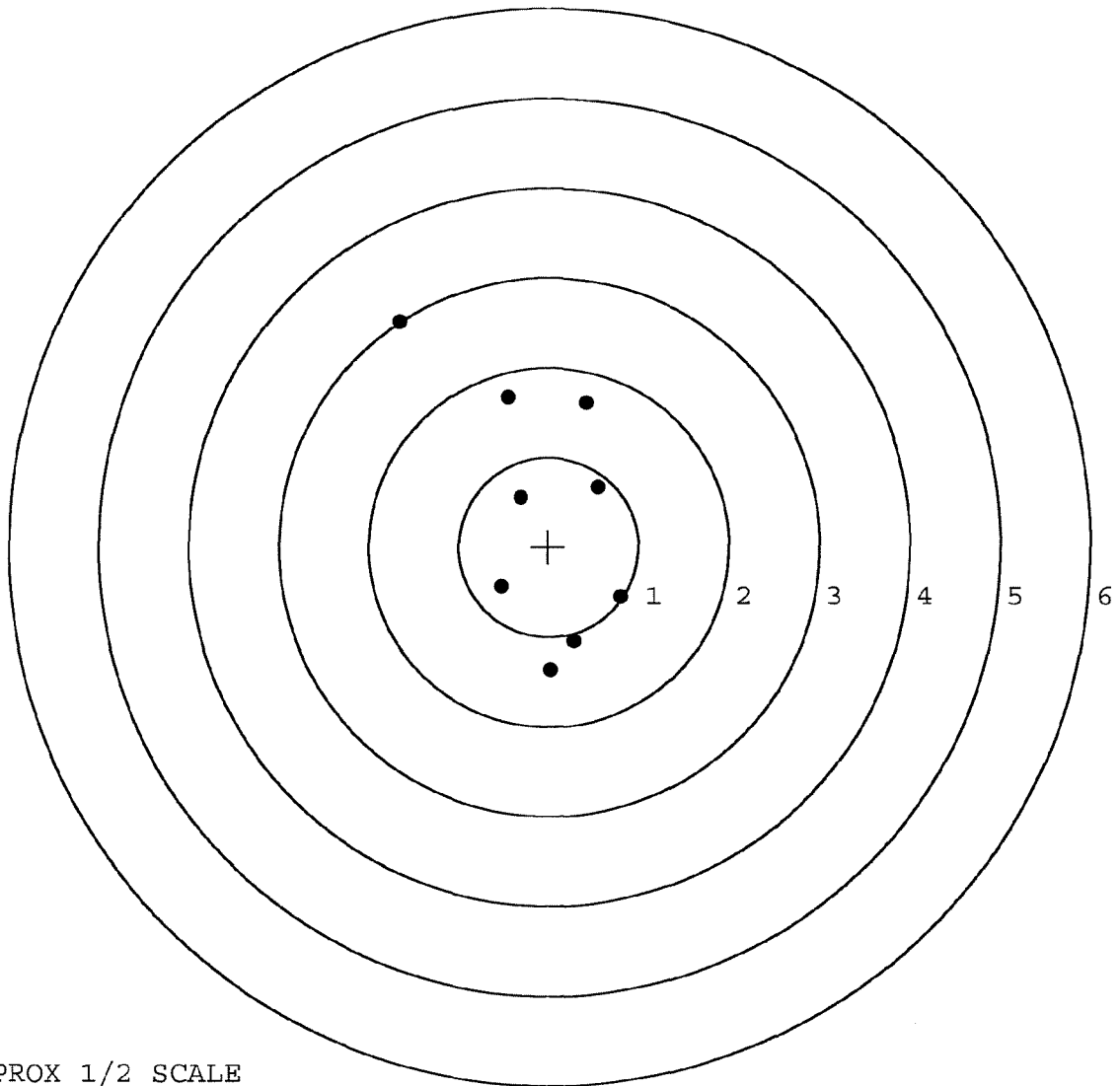
MAX RADIUS: 2.625

MEAN RADIUS: 1.308

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349198. __0

TARGET NUMBER: 2

FILE DATE: 09/30/2004

FILE TIME: 07:51

POINT#	X	Y
1:	0.693	-0.273
2:	0.339	-0.189
3:	1.026	1.028
4:	-0.007	0.634
5:	-0.240	0.760
6:	-0.532	1.047
7:	-0.649	-0.230
8:	-0.982	-0.357
9:	-0.420	-0.985
10:	0.568	-0.202

X CENTROID: -0.020

Y CENTROID: 0.123

POA TO CENTROID: 0.125

HORZ SPREAD: 2.008

VERT SPREAD: 2.032

GROUP SPREAD: 2.479

MIN RADIUS: 0.476

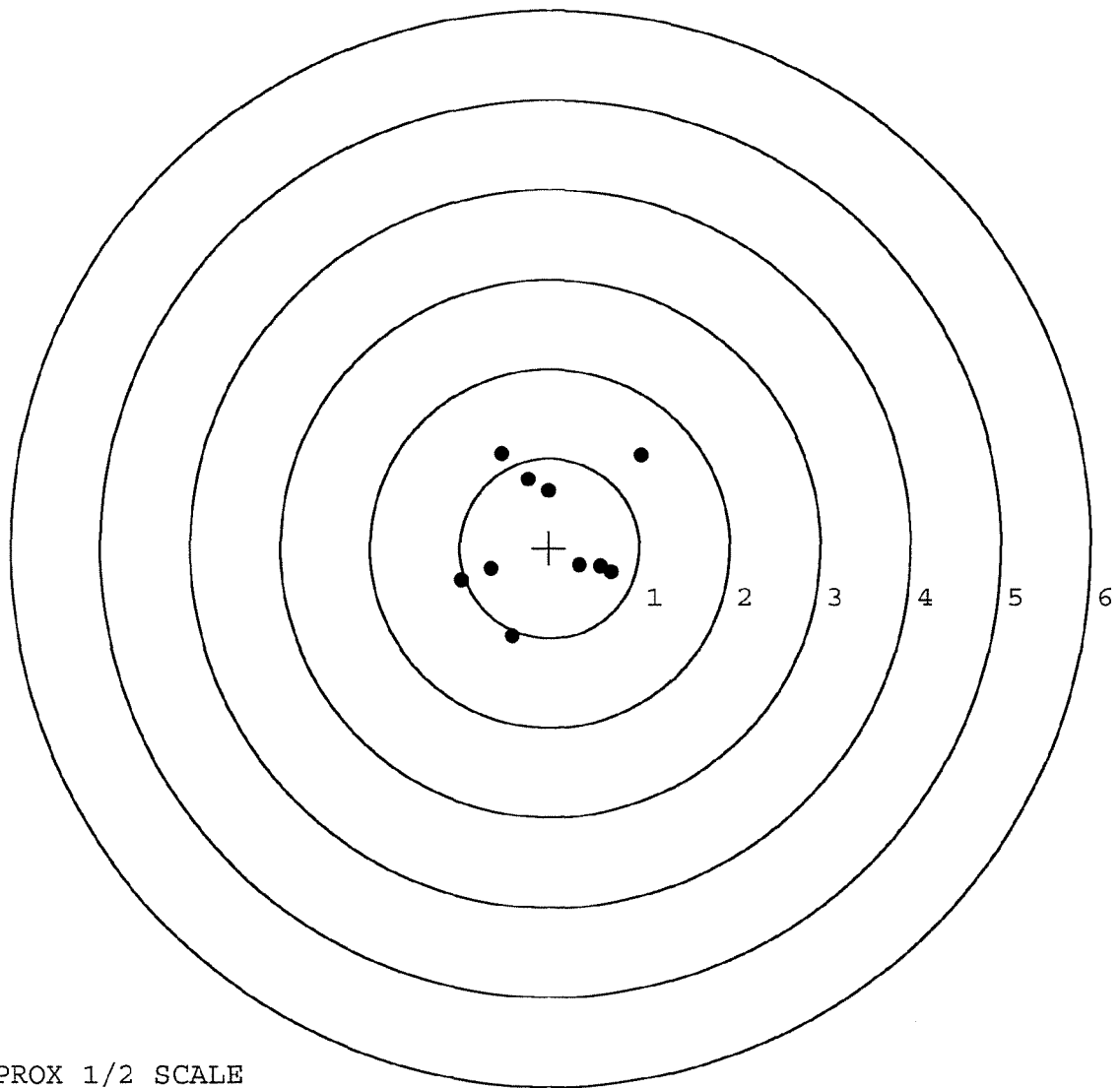
MAX RADIUS: 1.383

MEAN RADIUS: 0.856

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349198. __0

TARGET NUMBER: 3

FILE DATE: 09/30/2004

FILE TIME: 07:51

X CENTROID: -0.152

Y CENTROID: 0.260

POA TO CENTROID: 0.301

HORZ SPREAD: 2.241

VERT SPREAD: 2.067

GROUP SPREAD: 2.372

MIN RADIUS: 0.099

MAX RADIUS: 1.528

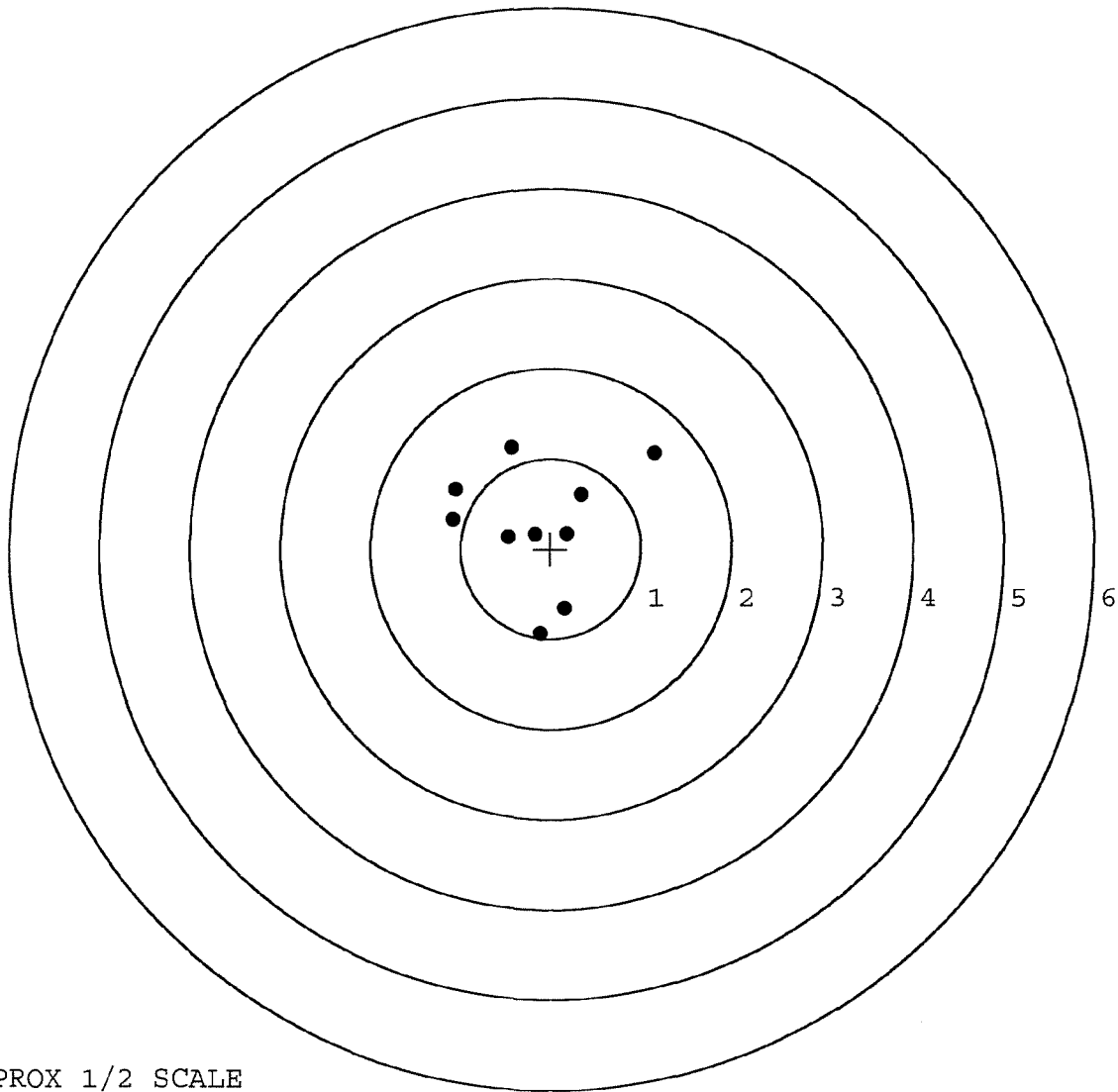
MEAN RADIUS: 0.793

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.117	-0.948
2:	0.156	-0.669
3:	1.153	1.055
4:	0.335	0.603
5:	0.178	0.167
6:	-0.175	0.164
7:	-0.474	0.128
8:	-1.088	0.324
9:	-1.054	0.658
10:	-0.434	1.119



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349198. 0

TARGET NUMBER: 4

FILE DATE: 09/30/2004

FILE TIME: 07:51

X CENTROID: -0.112

Y CENTROID: -0.062

POA TO CENTROID: 0.128

HORZ SPREAD: 1.740

VERT SPREAD: 1.620

GROUP SPREAD: 1.744

MIN RADIUS: 0.341

MAX RADIUS: 0.921

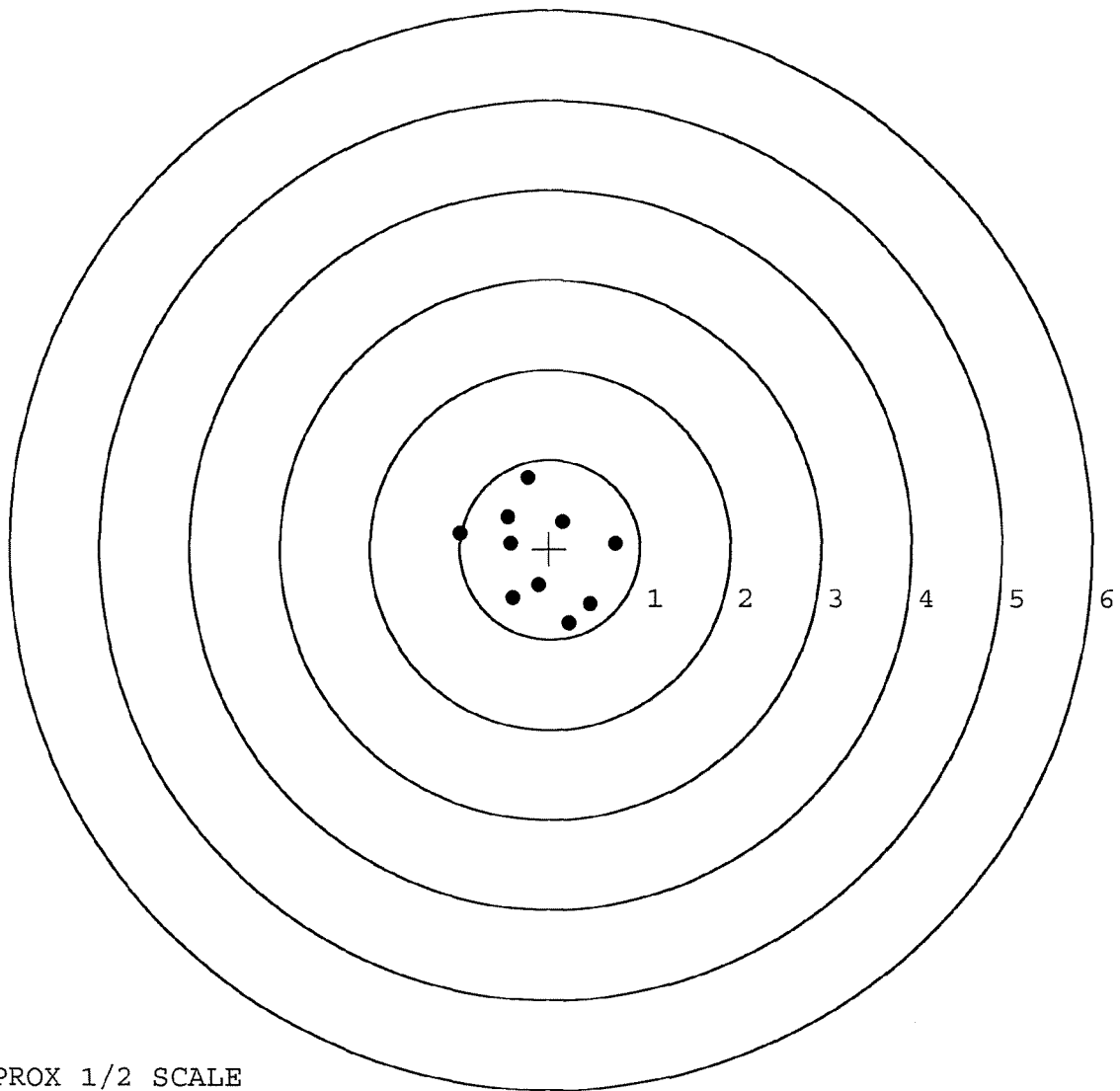
MEAN RADIUS: 0.653

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.219	-0.823
2:	0.449	-0.609
3:	-0.120	-0.411
4:	-0.408	-0.552
5:	0.739	0.061
6:	0.141	0.311
7:	-0.240	0.797
8:	-0.473	0.358
9:	-1.001	0.178
10:	-0.428	0.066



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349198. __0

TARGET NUMBER: 5

FILE DATE: 09/30/2004

FILE TIME: 07:51

X CENTROID: -0.060

Y CENTROID: 0.009

POA TO CENTROID: 0.061

HORZ SPREAD: 1.903

VERT SPREAD: 2.231

GROUP SPREAD: 2.232

MIN RADIUS: 0.123

MAX RADIUS: 1.280

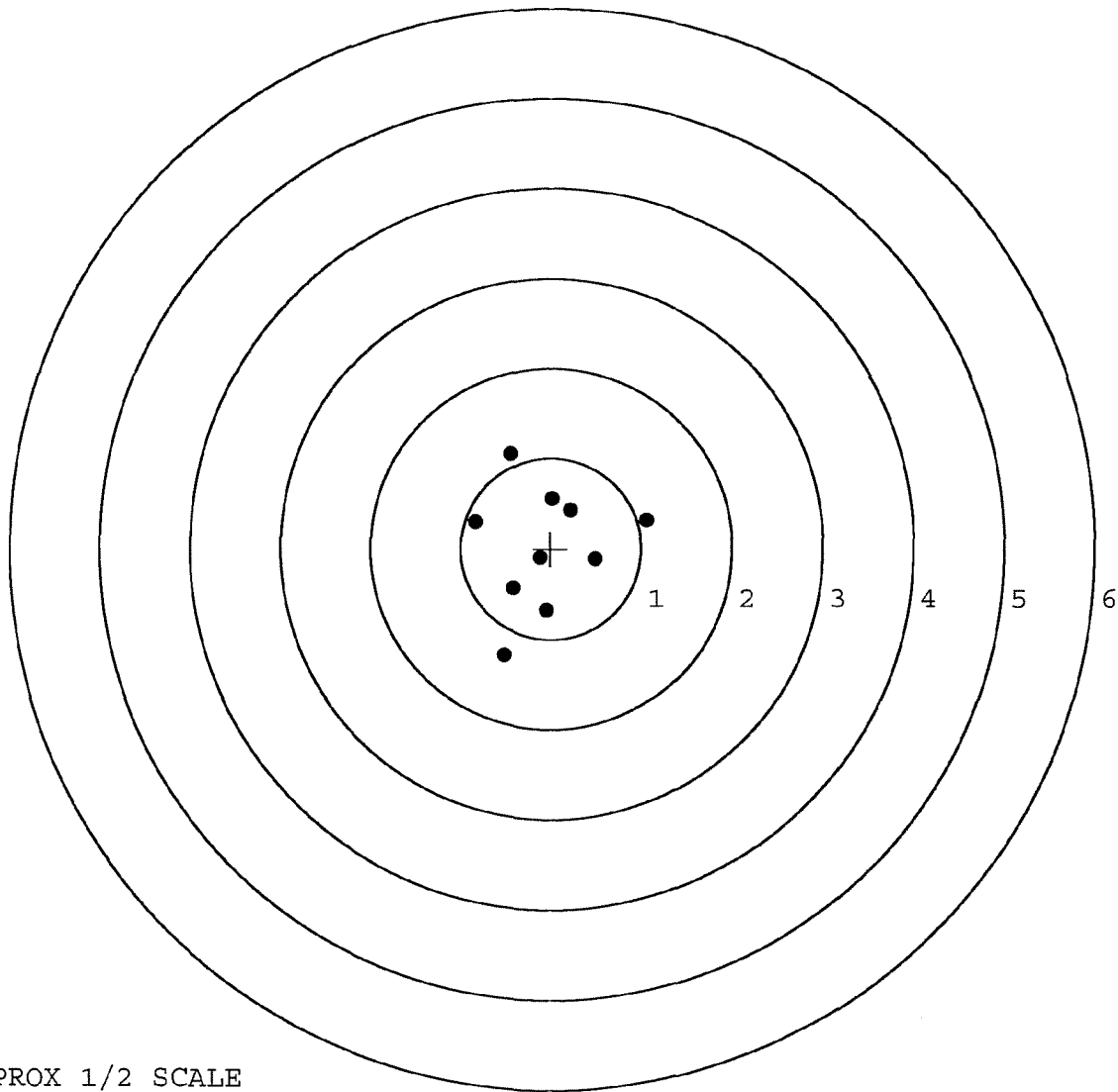
MEAN RADIUS: 0.738

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.057	0.313
2:	0.498	-0.114
3:	-0.519	-1.185
4:	-0.051	-0.683
5:	-0.417	-0.442
6:	-0.115	-0.101
7:	0.219	0.424
8:	0.019	0.547
9:	-0.449	1.046
10:	-0.846	0.290



TARGET APPROX 1/2 SCALE

R & E NUMBER	84134		
SERIAL NUMBER	C6349198		
LOG-IN DATE	8-23-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-24-04	RTL
560 A	RE-BARREL	8-25-04	RTL
B	DRILL AND TAP	9-8-04	TRW
575	ASSEMBLE	9-8-04	RTL
600	PROOF		
605	CHECK HEADSPACE	MAGNA-FLUX INSPECTED	
610	DIS-ASSEMBLE GUN	SEP 08 2004	
612	MAGNAFLUX	OPERATOR <u>BJS</u>	
615	ROLLMARK CALIBER		
618	ROTO-BLAST	9-10-04	LB
620	APPLY COATINGS	9/28	HP
625 A	FINAL ASSEMBLY	9-29-04	TRW
B	TRIGGER PULL TEST	10-4-04	RTL
C	SAFETY "ON" FORCE	10-4-04	RTL
D	SAFETY "OFF" FORCE	10-4-04	RTL
E	FIRING PIN INDENT		
640	TARGET	9-30-04	TRW
655	FINAL INSPECT	10-4-04	RTL
660	PACK	10-4-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

1. ORGANIZATION CCO. V8 Int.				2. NOMENCLATURE AND MODEL REM 700 M24 S&S			
3. REGISTRATION/SERIAL/NSN 66349198	4a. MILES —	b. HOURS —	c. ROUNDS FIRED 25000	d. HOT STARTS —	5. DATE 3 Aug 84	6. TYPE INSPECTION PMCS	

7. APPLICABLE REFERENCE			
TM NUMBER	TM DATE	TM NUMBER	TM DATE

COLUMN a - Enter TM item number.
COLUMN b - Enter the applicable condition status symbol.
COLUMN c - Enter deficiencies and shortcomings.

COLUMN d - Show corrective action for deficiency or shortcoming listed in Column c.
COLUMN e - Individual ascertaining completed corrective action initial in this column.

STATUS SYMBOLS

"X" - Indicates a deficiency in the equipment that places it in an inoperable status.
CIRCLED "X" - Indicates a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until corrective action can be accomplished.
HORIZONTAL DASH "-" - Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished.

DIAGONAL "/" - Indicates a material defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable.
LAST NAME INITIAL IN BLACK, BLUE-BLACK INK, OR PENCIL - Indicates that a completely satisfactory condition exists.
FOR AIRCRAFT - Status symbols will be recorded in red.

ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.

8a. SIGNATURE (Person(s) performing inspection)	8b. TIME	9a. SIGNATURE (Maintenance Supervisor)	9b. TIME	10. MANHOURS REQUIRED
	1414			

TM ITEM NO. a	STATUS b	DEFICIENCIES AND SHORTCOMINGS c	CORRECTIVE ACTION d	INITIAL WHEN CORRECTED e
1	X	Adjustable Butt-Plate loose		
2	X	Lower magazine Spring rusted		
3	X	Bolt Rusted	Missing	
4	X	Chamber Chipped (lower right side)		
5	X	Crown Chipped		
6	X	Barrel Bent		
7	X	M3A Lens scratched (rear)	Missing	
8	X	(M) Biped Swivel		

[illegible]

BARBER - M24 0169993 10034

BARBER - M24 0109996

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6349198
19 Feb 1999

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0864
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1362
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .161293

THE AMR FOR THIS RIFLE IS: 1.066

CENTROIDAL DISTANCES

Ø TO	1	.314816
1 TO	2	.345453
1 TO	3	.3396
1 TO	4	.243343
1 TO	5	.360161

5
4 2 <----POA
1 3

BARBER - M24 0109997

REMINGTON CENTERFIRE ACCURACY TEST

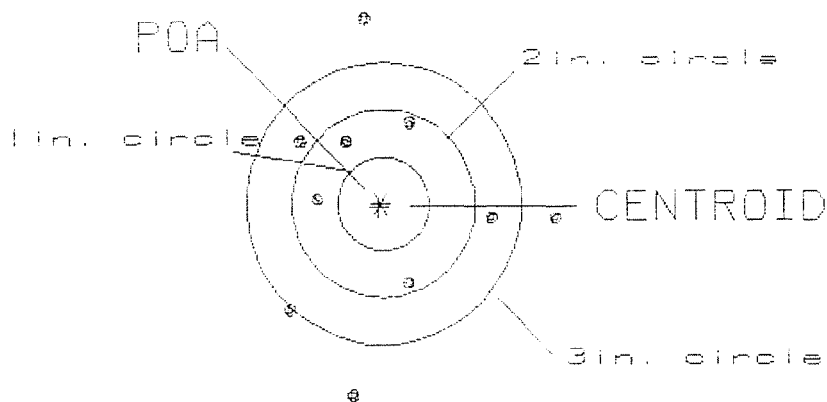
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 5
 POA TO CENTROID: .046
 MIN RADIUS : .730
 MEAN RADIUS : 1.296
 MAX RADIUS : 2.091
 CENTROID X : .022
 CENTROID Y : .041

19 Feb 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349198

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.89

0

US= 4.04

4

GS= 4.04

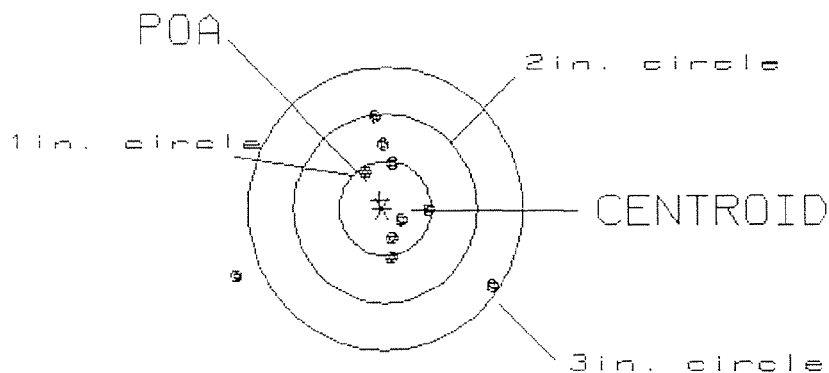
6

PATTERN #: 4
 POA TO CENTROID: .089
 MIN RADIUS : .250
 MEAN RADIUS : .726
 MAX RADIUS : 1.797
 CENTROID X : .026
 CENTROID Y : -.085

19 Feb 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349198

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.82

6

VS= 1.85

8

GS= 2.82

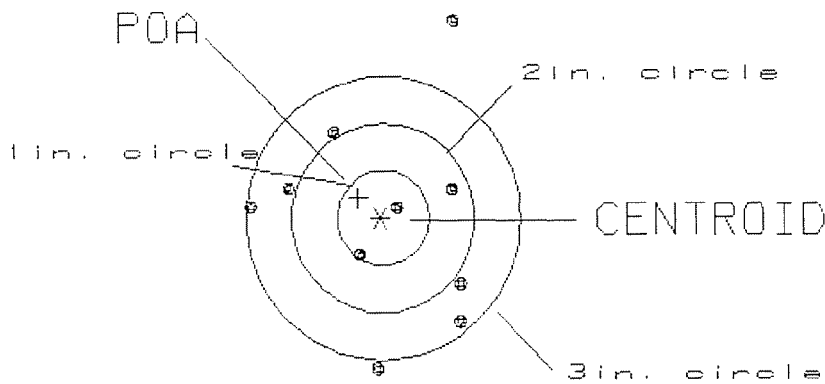
9

PATTERN #: 3
 POA TO CENTROID: .325
 MIN RADIUS : .206
 MEAN RADIUS : 1.144
 MAX RADIUS : 2.265
 CENTROID X : .247
 CENTROID Y : -.210

19 Feb 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349198

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.34
 VS= 3.77
 GS= 3.86

2
 3
 8

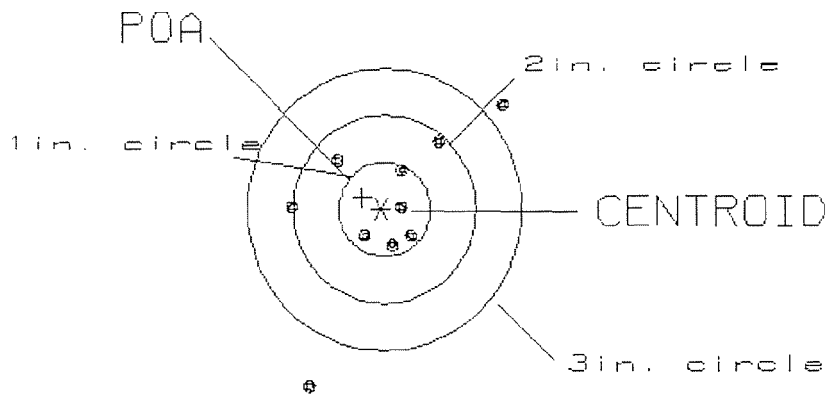
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .247
 MIN RADIUS : .216
 MEAN RADIUS : .834
 MAX RADIUS : 2.082
 CENTROID X : .215
 CENTROID Y : -.122

19 Feb 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349198

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.31
 VS= 3.04
 GS= 3.70

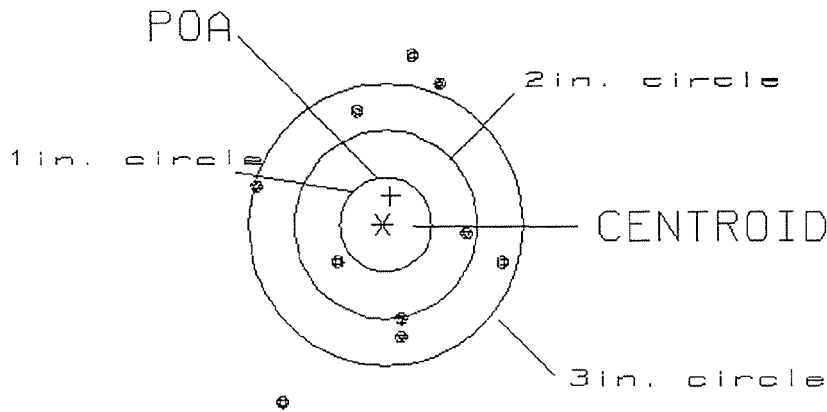
5
 7
 8

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .315
 MIN RADIUS : .642
 MEAN RADIUS : 1.332
 MAX RADIUS : 2.179
 CENTROID X : -.078
 CENTROID Y : -.305

19 Feb 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349198

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.73

0

VS= 3.63

3

GS= 3.91

6

Remington
MODEL 700™ H24

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

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

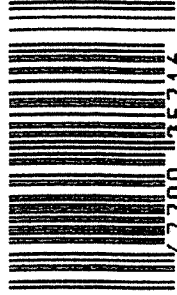
SERIAL NO. C6349198	Ø1
ORDER NO. 5716	

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



5716 C6349198

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349198

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 12	90	RW
600	Proof	1 12	90	E
607	Check Headspace	1 12	90	E
610	Dis-assemble Gun	1 12	90	RW
612	Magnaflux Barrel Action	1-16-90		KER
	Magnaflux Bolt	1-17-90		KER
615	Rollmark Caliber	1-17-90		GS
617	Drill and Tap Sight Holes	1-19-90		FB
618	Polish Barrel RB	1-22-90		WB
620	Apply Coatings (Barrel Action)		1-30-90	TH
	Apply Coating (Bolt)		1-30-90	TH
625	Final Assembly		2/2/90	WB
	A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/6/90	RW
	C) Inspect Ejector Hole for Chamfer		2/6/90	RW
	D) Oil Firing Pin Ass'y		2/6/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2-9-90	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 1/2	3 1/2	3 1/2			2-12-90	gcl
	G) Safety Off Force	2 1/4	2 1/2	2 1/4			2-12-90	gcl
	H) Trigger Pull Test & Retainability						2-9-90	gcl
	I) Firing Pin Indent	1020	0205	020			2-12-90	gcl
	J) Assemble Stock						4/18/90	RW
	K) Assemble Swivel Studs						4/18/90	gcl
	L) Attach Front and Rear Sight Assemblies						4/18/90	RW
	M) Iron Sight Alignment						4/18/90	RW
	N) Detach Front & Rear Sights & place in numbered container						4/18/90	RW
	O) Attach Scope to Rifle						4/18/90	WB
	P) Detach & Attach Scope 20 Times						4/18/90	WB
640	Gallery Target & Test						4-19-90	A
	A) Time						4-19-90	A
	B) Malfunctions						4-19-90	A
	C) Pierced Primers						4-19-90	A
	D) Optical Clarity of Scope						4-19-90	A
645	Inspect for Live Ammo						4-19-90	A
655	Final Inspection						4/26/90	WB
	A) Headspace							
	B) Trigger Pull	2.34	2.34	2.33	2.34	2.36	4/26/90	WB
	C) Function						4/27/90	gcl
660	Pack						6-19-90	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349178

DATE 4-16-90

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.51	2.07	2.51	2.34	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.08	2.51	2.34	
PULL #3	2.25	2.05	2.51	2.33	
PULL #4	2.24	2.01	2.50	2.34	
PULL #5	2.27	2.03	2.55	2.36	
TOTAL	11.52	10.24	12.58		
AVG.	2.30	2.04	2.51		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.33		
PULL #2	3.20	3.30		
PULL #3	3.24	3.28		
PULL #4	3.19	3.26		
PULL #5	3.24	3.24		
TOTAL	16.10	16.41		
AVG.	3.22	3.28		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.38	4.24		4.41
PULL #2	4.38	4.23		4.40
PULL #3	4.45	4.27		4.42
PULL #4	4.43	4.18		4.45
PULL #5	4.22	4.15		4.46
TOTAL	21.86	21.07		22.14
AVG.	4.37	4.21		4.42

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349198
19 Apr 1990

CENTROIDAL DISTANCES

0 TO	1	.278395
1 TO	2	.42916
1 TO	3	.551327
1 TO	4	.904098
1 TO	5	.439073

$\frac{2}{5} \frac{1}{4}$
<----POA

1. AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0636
 2. AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1406
 3. RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .154316
 4. THE AMR FOR THIS RIFLE IS: .9306

19 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349198

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

MS = 2.301

VS = 2.807

GS = 2.872

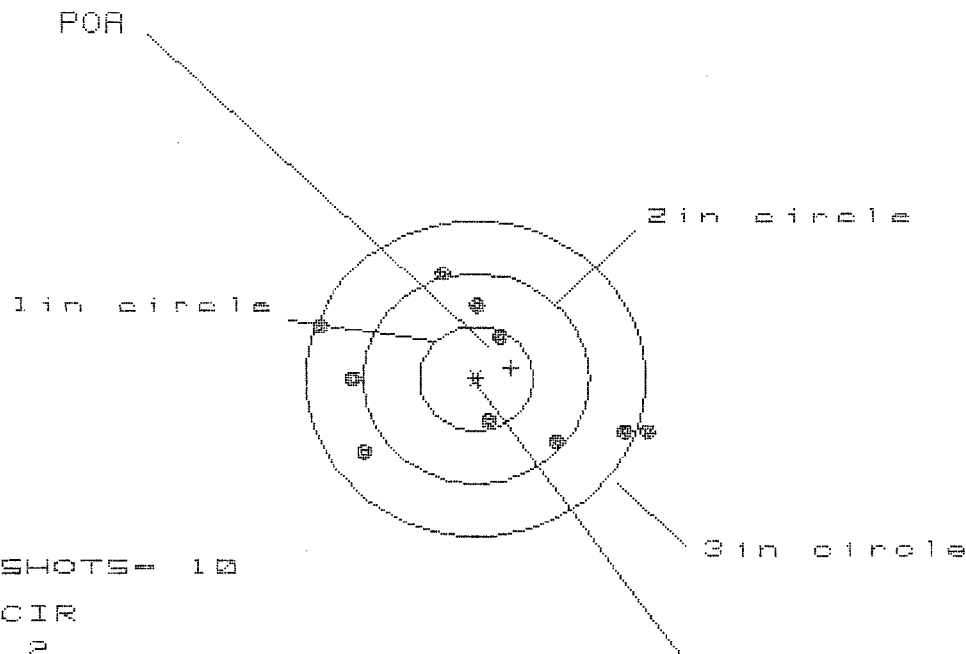
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.279	1.318	1.245
MINIMUM X	-1.022	-.983	-1.056
MAXIMUM Y	1.259	1.087	.830
MINIMUM Y	-1.548	-.816	-.681
CENTROID X	.085	.046	.119
CENTROID Y	-.263	-.091	-.226
POA TO CENTROID in.	.276	.102	.256
MIN RADIUS	.242	.409	.255
MEAN RADIUS	1.032	.957	.914
MAX RADIUS	1.588	1.443	1.324
HORIZONTAL SPREAD	2.301	2.301	2.301
VERTICAL SPREAD	2.807	1.903	1.511
EXTREME SPREAD	2.972	2.534	2.397
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

19 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349198

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 8

GS= 2.979

VS= 1.707

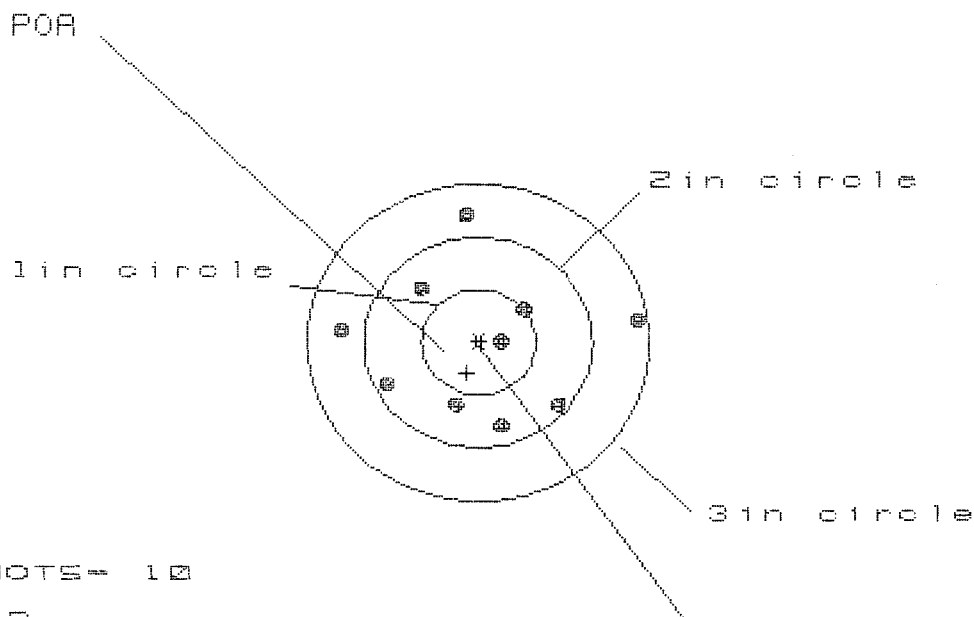
GS= 3.141

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.559	1.483	1.327
MINIMUM X	-1.420	-1.247	-1.115
MAXIMUM Y	1.007	.955	1.014
MINIMUM Y	-.700	-.752	-.693
CENTROID X	-.312	-.485	-.329
CENTROID Y	-.100	-.048	-.107
POA TO CENTROID in.	.328	.487	.346
MIN RADIUS	.392	.509	.390
MEAN RADIUS	1.043	.974	.912
MAX RADIUS	1.620	1.586	1.419
HORIZONTAL SPREAD	2.979	2.730	2.442
VERTICAL SPREAD	1.707	1.707	1.707
EXTREME SPREAD	3.141	2.920	2.490
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

19 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349198

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.614

VS= 1.965

GS= 2.619

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.368	.877	.740
MINIMUM X	-1.246	-1.094	-.773
MAXIMUM Y	1.205	1.230	1.242
MINIMUM Y	-.760	-.735	-.723
CENTROID X	.104	-.048	.089
CENTROID Y	.288	.263	.251
POA TO CENTROID in.	.307	.267	.266
MIN RADIUS	.192	.346	.218
MEAN RADIUS	.844	.786	.726
MAX RADIUS	1.386	1.230	1.248
HORIZONTAL SPREAD	2.614	1.971	1.513
VERTICAL SPREAD	1.965	1.965	1.965
EXTREME SPREAD	2.619	2.087	2.011
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

19 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349198

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 1.800

VS= 2.321

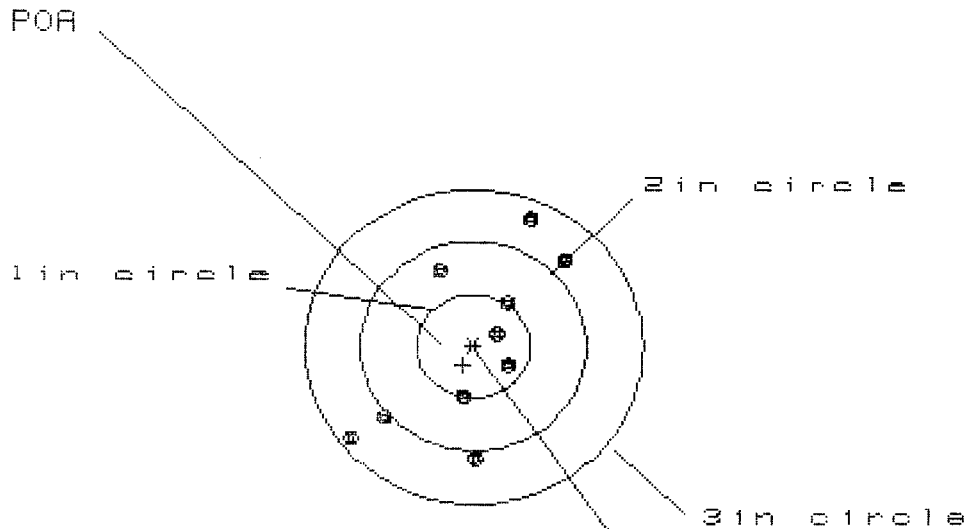
GS= 2.730

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.114	1.070	1.196
MINIMUM X	-.686	-.730	-.604
MAXIMUM Y	1.415	1.021	.928
MINIMUM Y	-.906	-.749	-.716
CENTROID X	.348	.392	.266
CENTROID Y	.602	.445	.538
POA TO CENTROID in.	.695	.592	.601
MIN RADIUS	.409	.456	.374
MEAN RADIUS	.907	.832	.748
MAX RADIUS	1.468	1.251	1.318
HORIZONTAL SPREAD	1.800	1.800	1.800
VERTICAL SPREAD	2.321	1.770	1.644
EXTREME SPREAD	2.730	2.307	1.958
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in - 4

2 in - 5

3 in = 10

HS= 1.890

VS= 2.308

GS= 2.596

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.836	.719	.773
MINIMUM X	:	-1.054	-.914	-.860
MAXIMUM Y	:	1.197	1.103	.906
MINIMUM Y	:	-1.111	-1.205	-1.067
CENTROID X	:	.093	.210	.156
CENTROID Y	:	.176	.270	.132
POA TO CENTROID in.	:	.199	.342	.204
MIN RADIUS	:	.194	.052	.175
MEAN RADIUS	:	.827	.739	.689
MAX RADIUS	:	1.351	1.211	1.191
HORIZONTAL SPREAD	:	1.890	1.633	1.633
VERTICAL SPREAD	:	2.308	2.308	1.973
EXTREME SPREAD	:	2.596	2.374	2.231
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			10	