

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

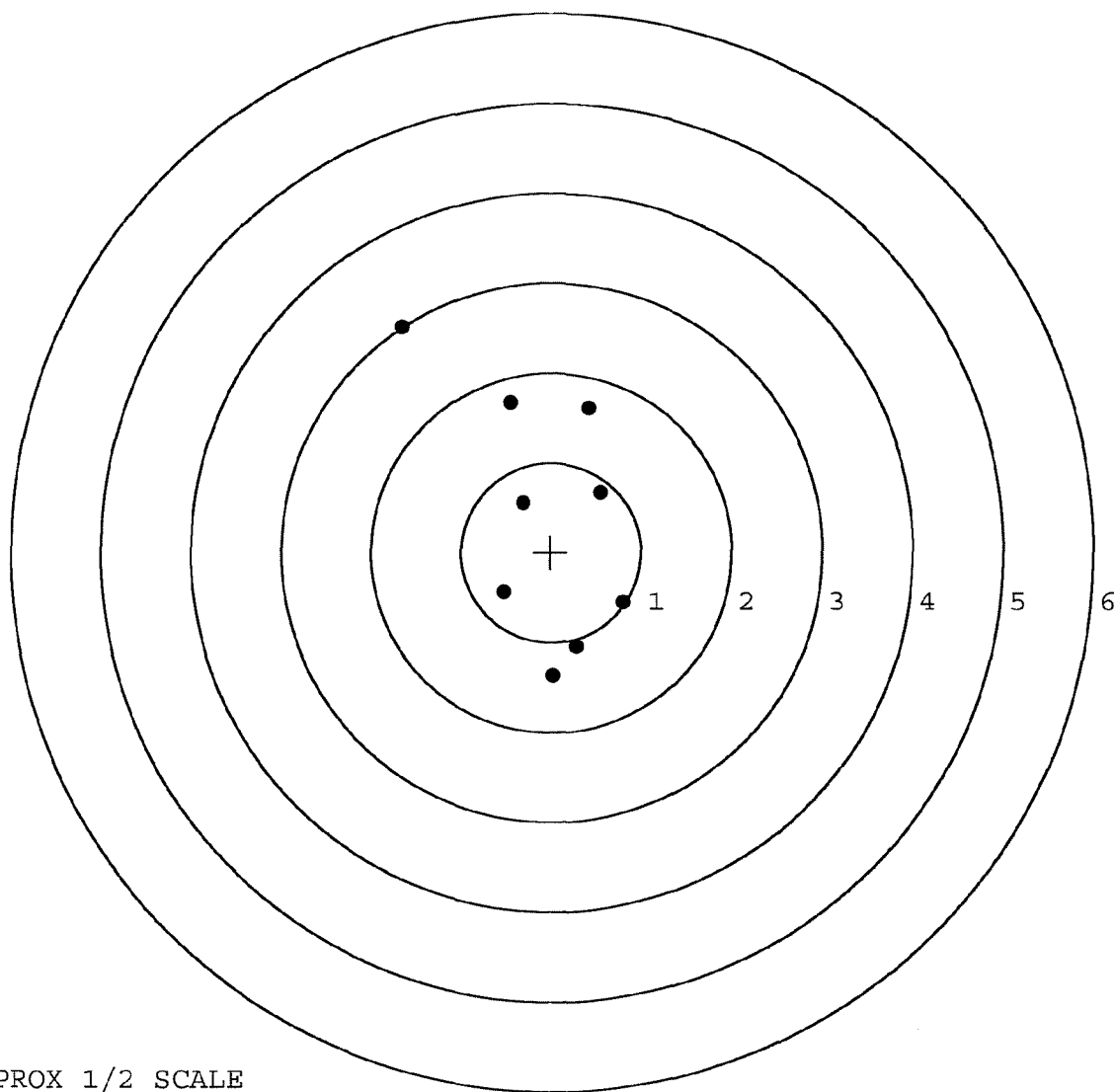
MAX RADIUS: 2.625

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

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

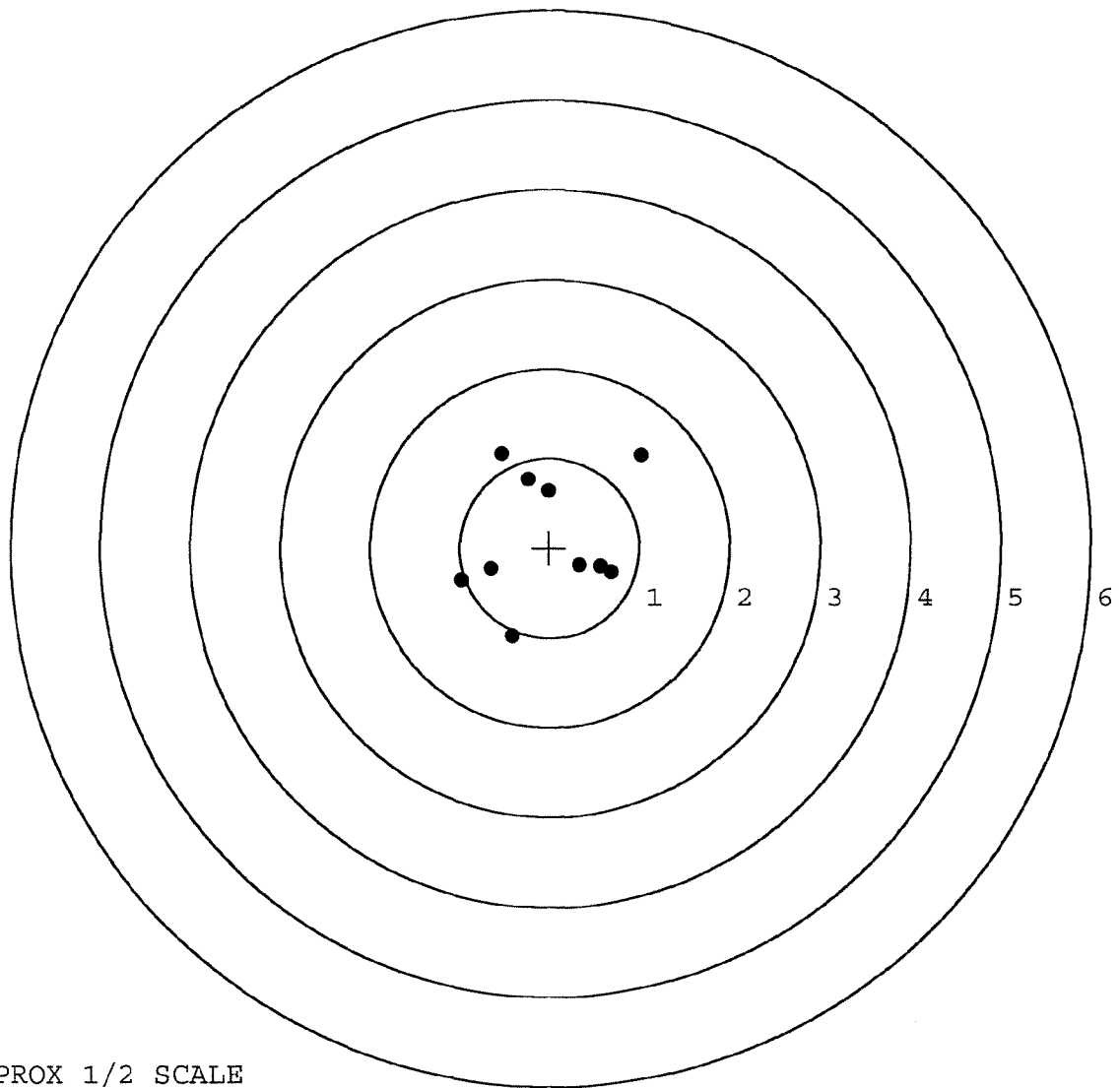
MEAN RADIUS: 0.856

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

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



TARGET APPROX 1/2 SCALE

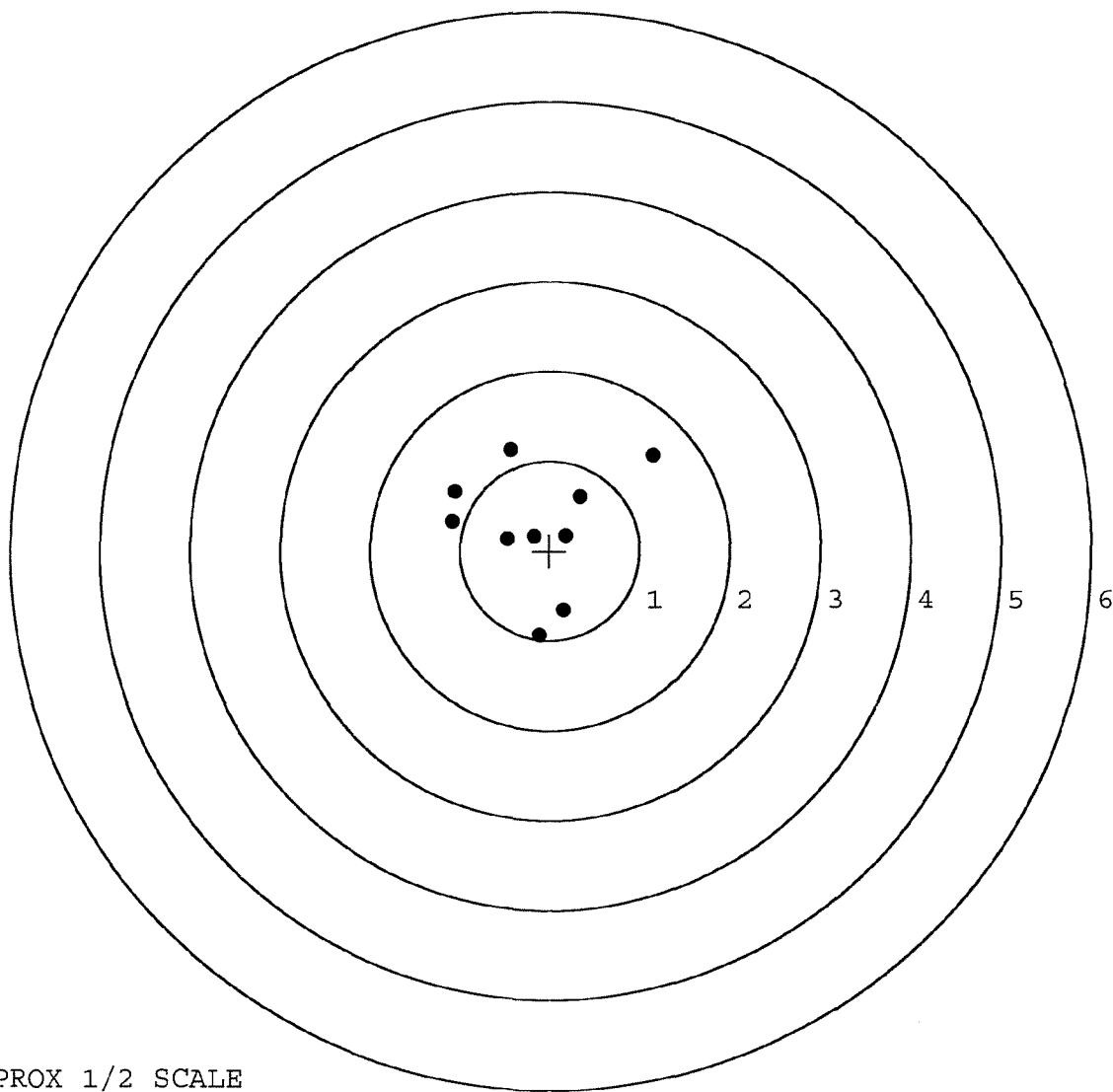
SERIAL NUMBER: C6349198. __0

TARGET NUMBER: 3

FILE DATE: 09/30/2004

FILE TIME: 07:51

	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
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	



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

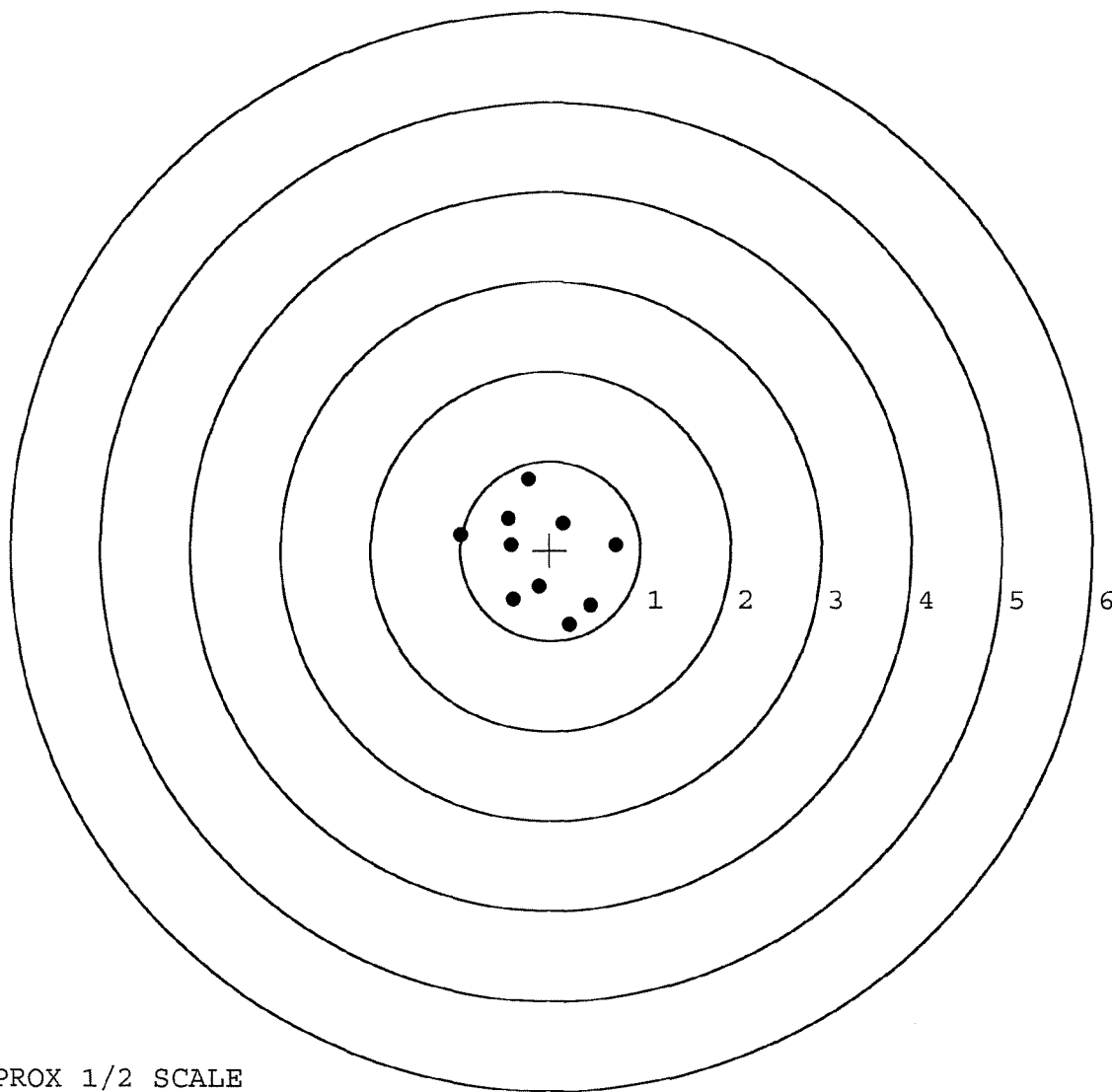
MEAN RADIUS: 0.653

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

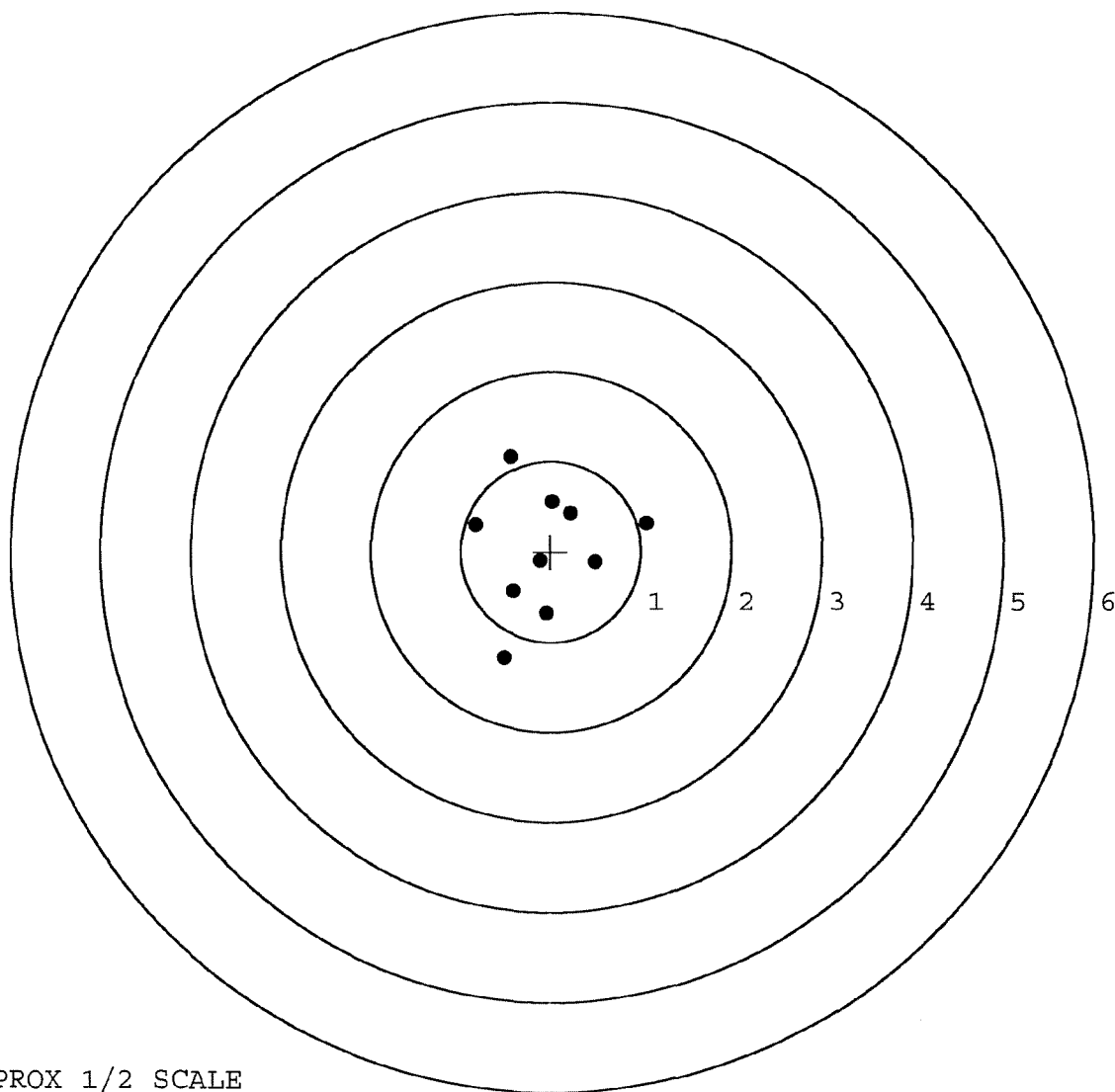
SERIAL NUMBER: C6349198. __0

TARGET NUMBER: 5

FILE DATE: 09/30/2004

FILE TIME: 07:51

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



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

[illegible]

~~B M24~~ C M24

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 SWS				
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
		1414				
10. MANHOURS REQUIRED						
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				

DA FORM 2404, APR 79

Replaces edition of 1 Jan 64, which will be used

USAPPC V1.10

FROM: C-6018 THE IN
FORT CARSON, BLDG 2057
COLORADO SPRINGS, CO 80913
Ph 719 526 2675
POC Sgt C. J. [unclear]
[unclear]
TAC ABYK
Aug 12
Amy E Bosier
Dawn MGT
TO REMINGTON ARMS CO INC
ATTN: SERVICE DEPT.
14 HOFFER AVENUE
ELIZON, NY 13357-1816
CONTRACT NO. DAAD20-02-C-0149
POC: Tom Mangle
Ph 435-345-3289

M2400110034

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

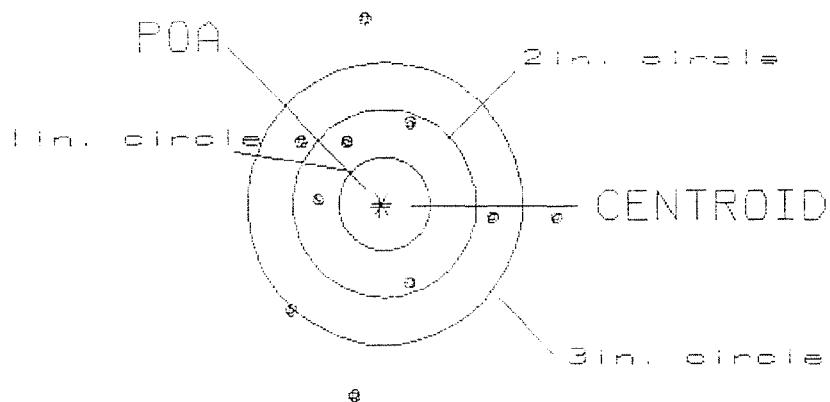
5
4 2 <----POA
1 3

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

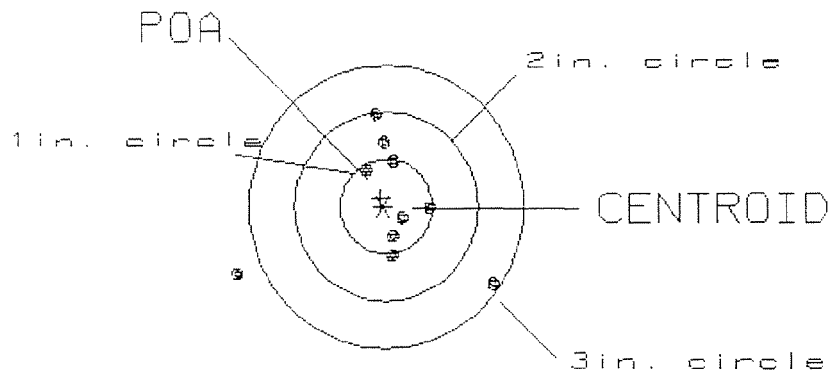
6

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

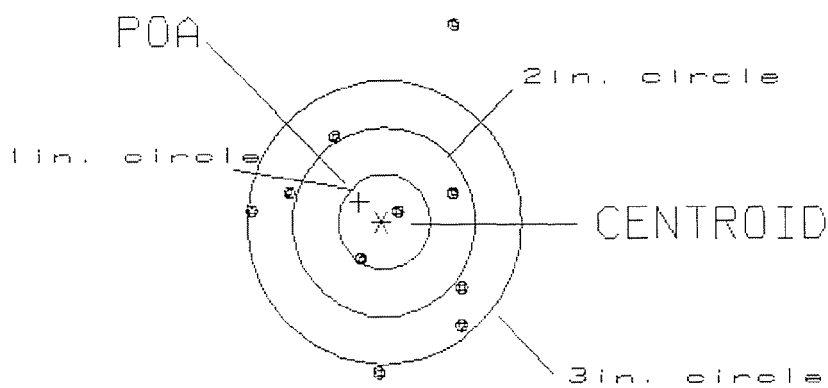
9

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

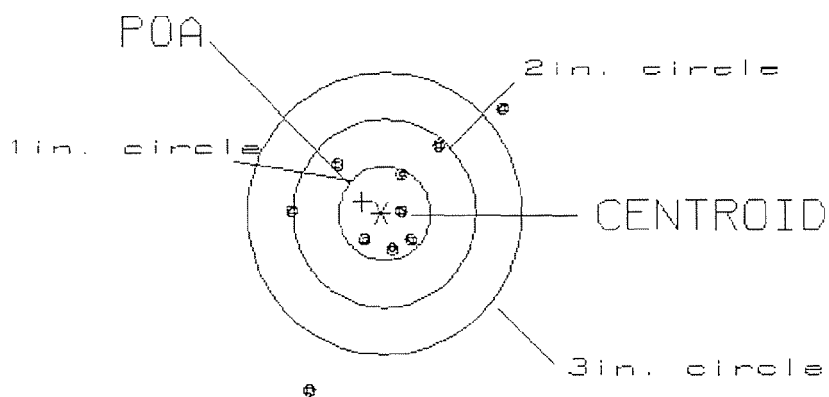
PATTERN #: ☐ 2 ☐

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

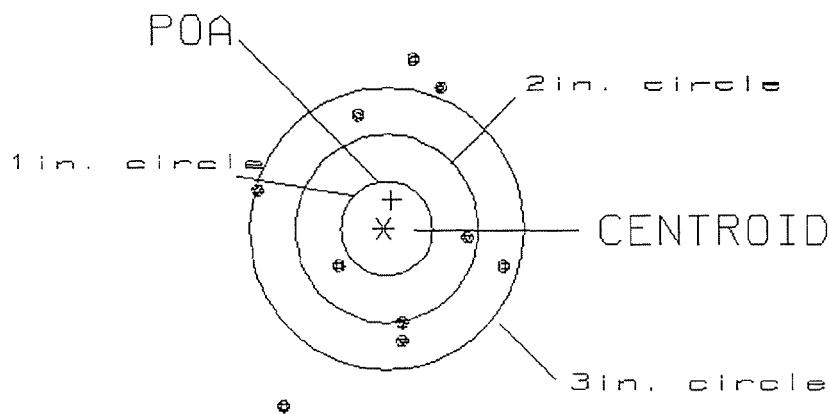
5
 7
 8

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




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

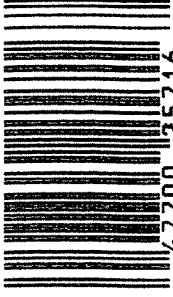
MODEL 700™ H24	SERIAL NO. C6349198
	ORDER NO. 5716

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

RC50

M-24

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 A) Clean inside of Bolt Assembly		2/2/90	WB
	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	gcl
	A) Time						4-19-90	gcl
	B) Malfunctions						4-19-90	gcl
	C) Pierced Primers						4-19-90	gcl
	D) Optical Clarity of Scope						4-19-90	gcl
645	Inspect for Live Ammo						4-19-90	gcl
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

SWS TRIGGER PULL TEST

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

Ø TO	1	.276395
1 TO	2	.42916
1 TO	3	.551327
1 TO	4	.904098
1 TO	5	.439073

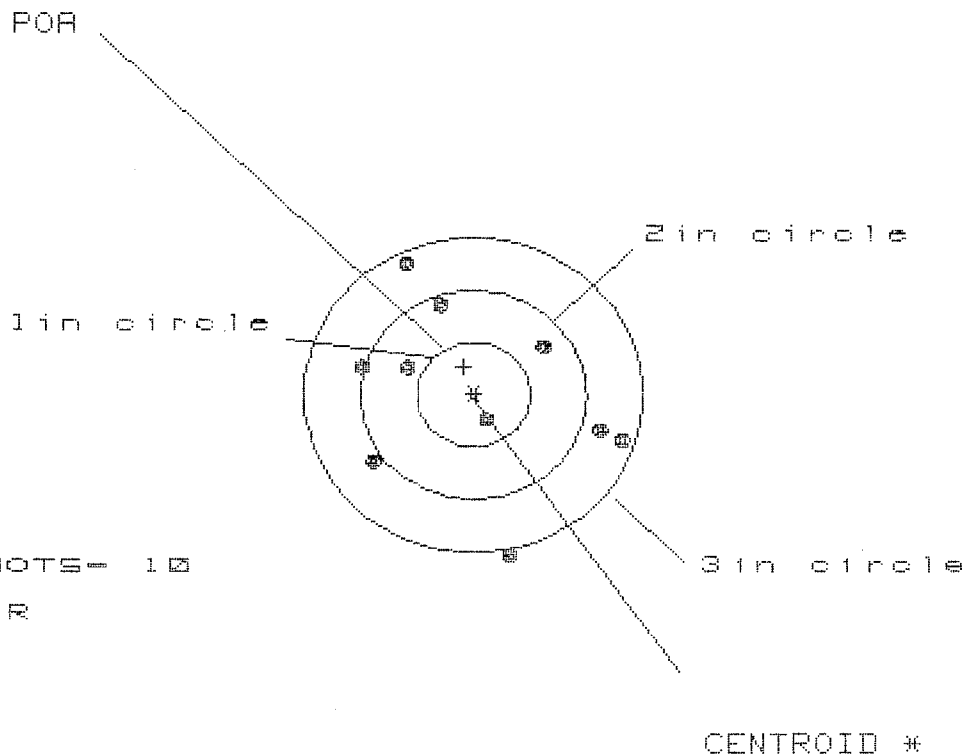
 <----POA

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

19 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349198

CENTERFIRE PATTERNS # 1



* OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 9

US = 2.301

VS = 2.807

GS = 2.872

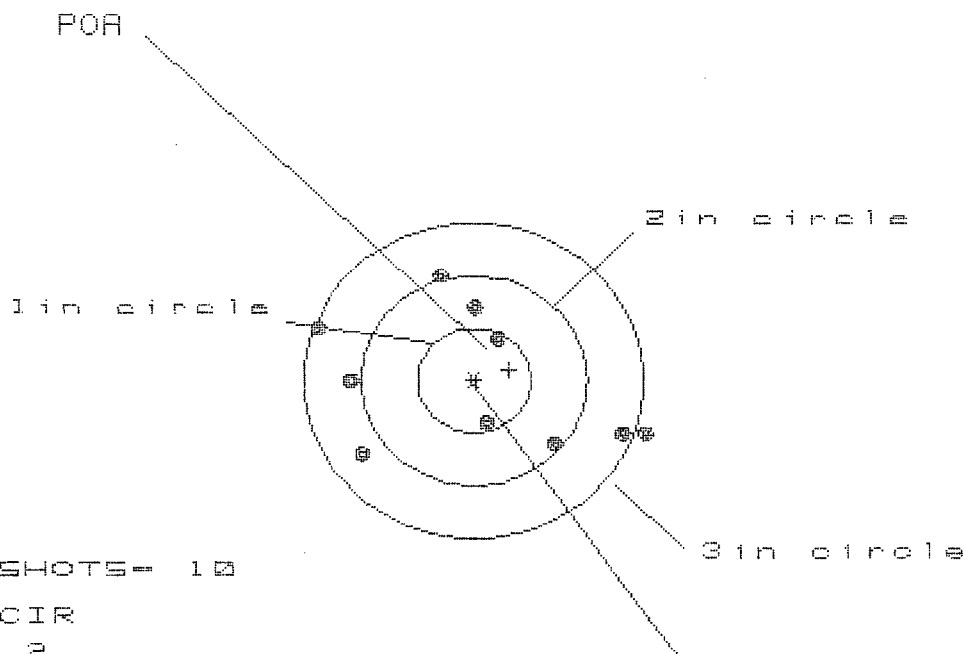
PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.279	1.318	1.245
MINIMUM X	:	-1.022	-.983	-1.056
MAXIMUM Y	:	1.259	1.087	.830
MINIMUM Y	:	-1.548	-.816	-.681
CENTROID X	:	.085	.046	.119
CENTROID Y	:	-.263	-.091	-.226
POA TO CENTROID in.	:	.276	.102	.256
MIN RADIUS	:	.242	.409	.255
MEAN RADIUS	:	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

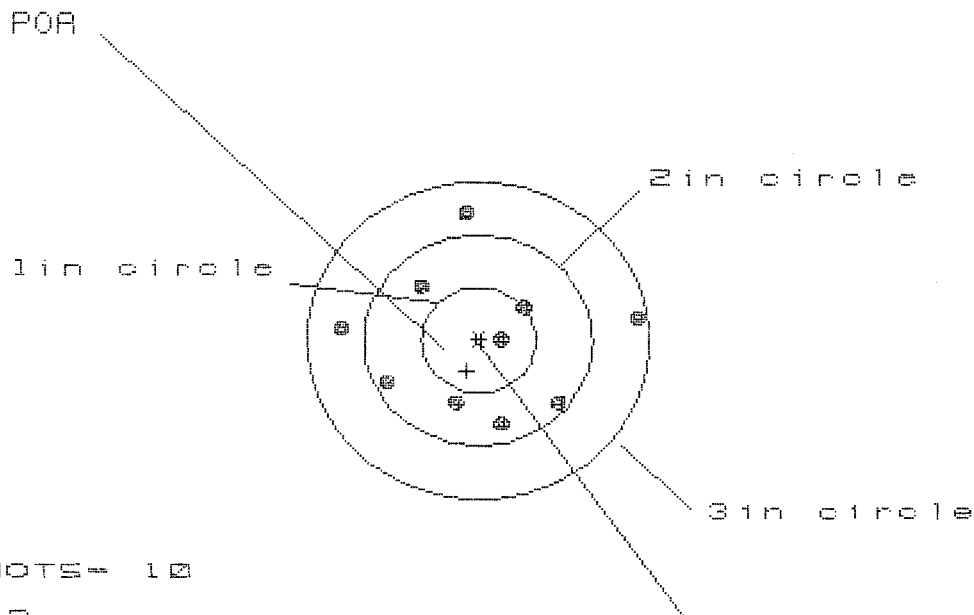
CENTROID #

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= 2.514

VS= 1.965

GS= 2.619

CENTROID #

PATTERN #	3	3	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

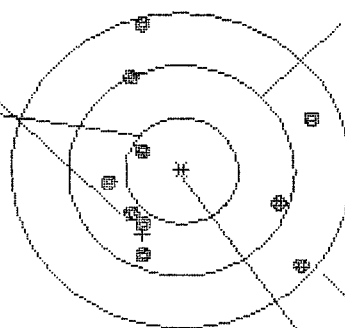
4

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

POA

1 in circle

2 in circle

3 in circle

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 #	10	9	8
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		