

C6348812

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: RE00142398

Serial: C6348812 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 09/19/1989

Repairman:

Status: Closed 3/3/2008 3:02:24 PM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name:

Address 1:

Address 2:

PO Box:

City: FORT BRAGG

FORT BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

naglelj

3/4/2008

9:17 AM

CAPS

NUM



Serial Number:

C6348812

Model: M24 SWS



RE00142398

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348812.___0
FILE DATE AND TIME: 04/08/2008 14:13

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.026
The Average Y Centroid of the Five Target Set:	0.007
The Average Point of Impact of the Five Target Set:	0.027
The Average Mean Radius of the Five Target Set:	0.747
The Distance from POA to Centroid Target #1:	0.233
The Distance from Centroid Target #2 to Centroid Target #1:	0.414
The Distance from Centroid Target #3 to Centroid Target #1:	0.335
The Distance from Centroid Target #4 to Centroid Target #1:	0.330
The Distance from Centroid Target #5 to Centroid Target #1:	0.376

SERIAL NUMBER: C6348812. 0

TARGET NUMBER: 1

FILE DATE: 04/08/2008

FILE TIME: 14:13

POINT#	X	Y
1:	-0.790	0.858
2:	-0.895	0.531
3:	-0.599	-0.006
4:	-0.160	0.064
5:	-0.188	-0.279
6:	-0.821	-0.527
7:	-1.196	-1.444
8:	0.902	0.612
9:	0.456	0.177
10:	1.039	-0.593

X CENTROID: -0.225

Y CENTROID: -0.061

POA TO CENTROID: 0.233

HORZ SPREAD: 2.235

VERT SPREAD: 2.302

GROUP SPREAD: 2.937

MIN RADIUS: 0.141

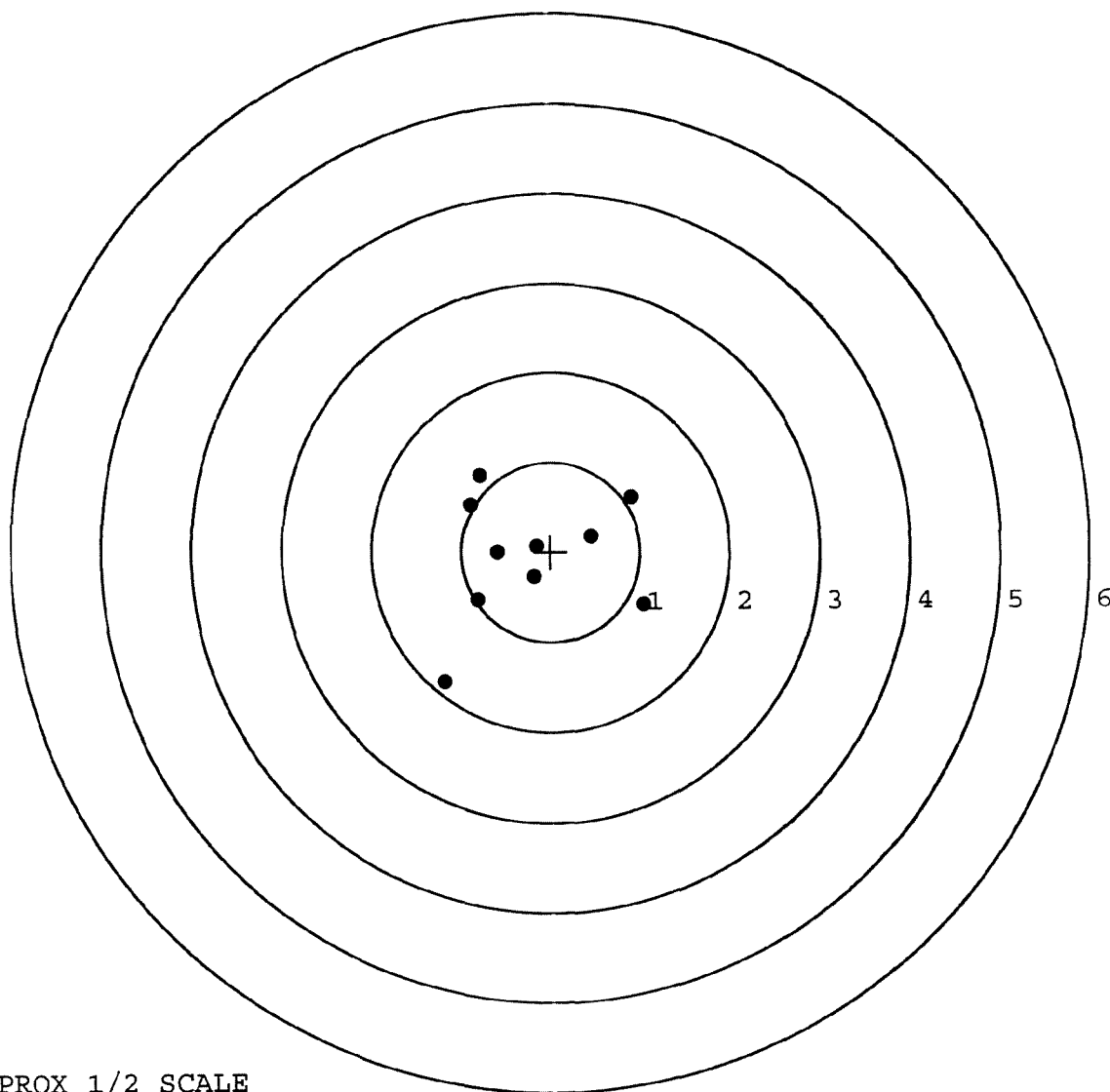
MAX RADIUS: 1.690

MEAN RADIUS: 0.856

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348812. __0

TARGET NUMBER: 2

FILE DATE: 04/08/2008

FILE TIME: 14:13

X CENTROID: 0.120

Y CENTROID: 0.168

POA TO CENTROID: 0.206

HORZ SPREAD: 2.101

VERT SPREAD: 2.077

GROUP SPREAD: 2.348

MIN RADIUS: 0.298

MAX RADIUS: 1.225

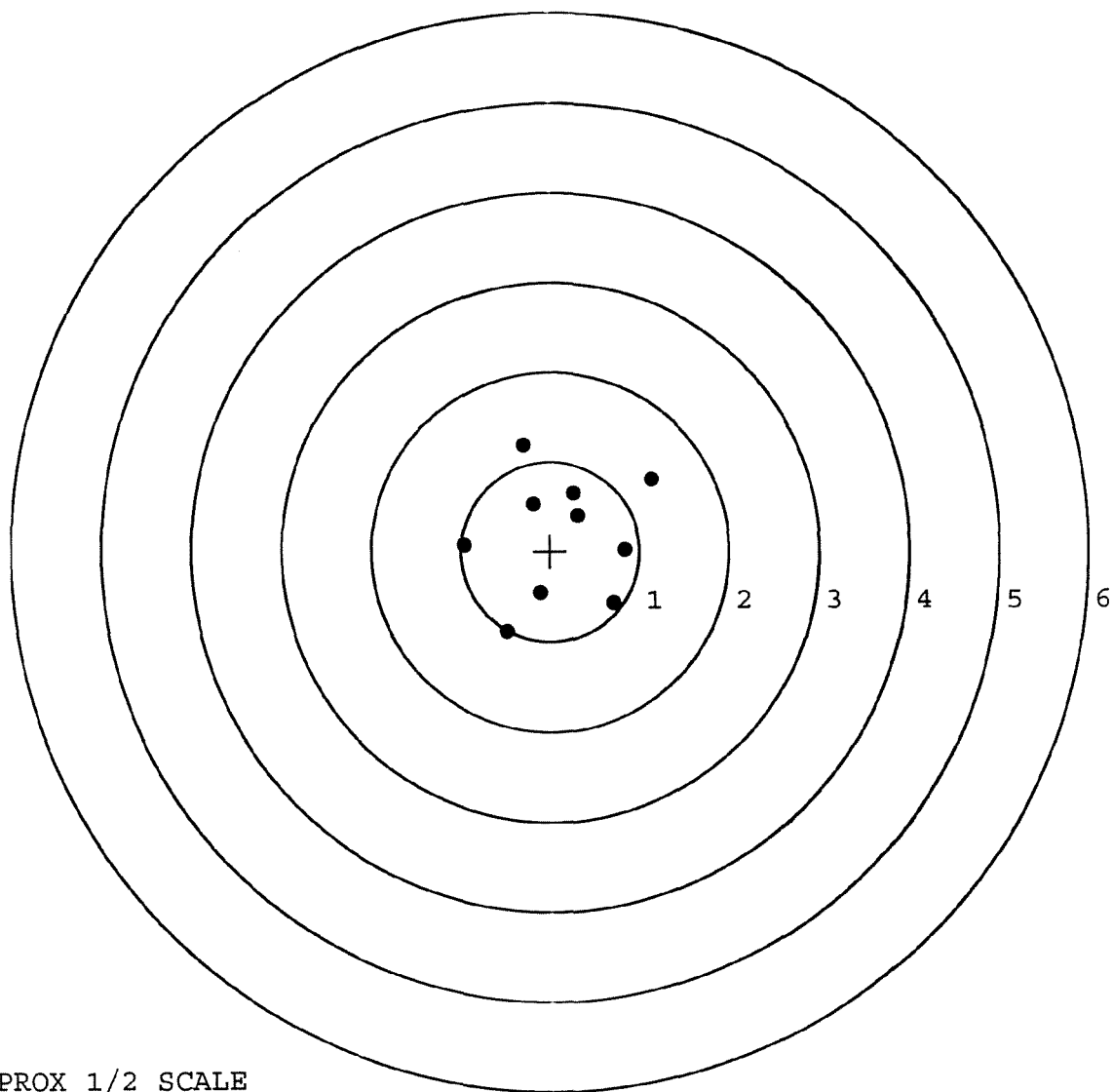
MEAN RADIUS: 0.825

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.139	0.797
2:	0.310	0.397
3:	0.260	0.648
4:	-0.188	0.524
5:	-0.297	1.183
6:	-0.962	0.068
7:	-0.114	-0.473
8:	-0.490	-0.894
9:	0.835	0.014
10:	0.710	-0.586



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348812. __ 0

TARGET NUMBER: 3

FILE DATE: 04/08/2008

FILE TIME: 14:13

POINT#	X	Y
1:	-0.245	1.275
2:	0.171	1.133
3:	-0.558	0.534
4:	-0.631	0.264
5:	-0.562	-0.093
6:	-0.608	-0.560
7:	0.300	-0.723
8:	0.508	0.343
9:	0.766	-0.135
10:	1.050	-0.353

X CENTROID: 0.019

Y CENTROID: 0.168

POA TO CENTROID: 0.170

HORZ SPREAD: 1.681

VERT SPREAD: 1.998

GROUP SPREAD: 2.080

MIN RADIUS: 0.519

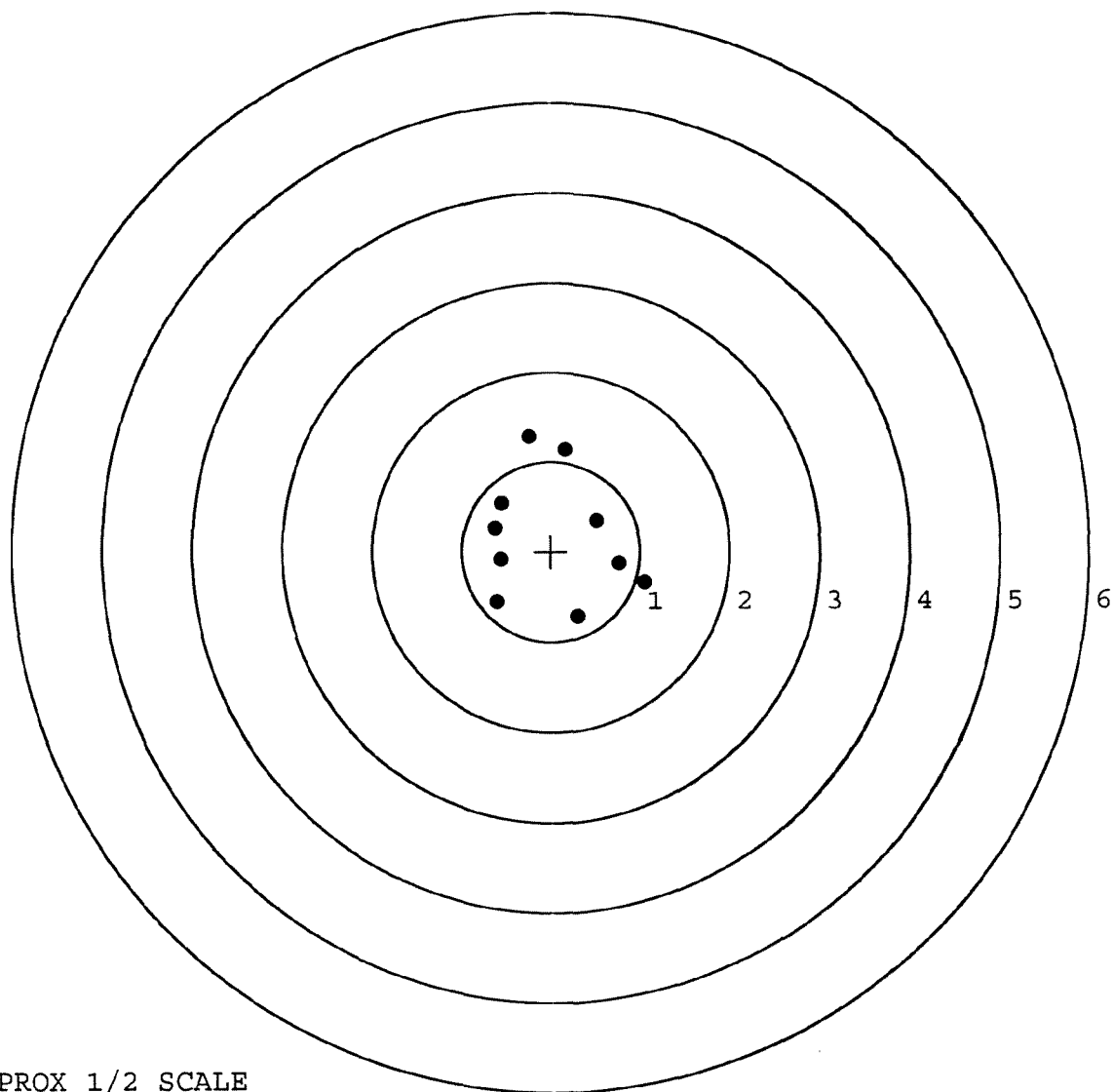
MAX RADIUS: 1.155

MEAN RADIUS: 0.847

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348812. __ 0

TARGET NUMBER: 4

FILE DATE: 04/08/2008

FILE TIME: 14:13

POINT#	X	Y
1:	0.409	0.767
2:	0.603	0.736
3:	0.401	0.454
4:	-0.691	0.290
5:	-0.392	0.006
6:	0.229	-0.038
7:	-0.073	-0.229
8:	0.275	-0.555
9:	0.247	-0.682
10:	0.007	-0.895

X CENTROID: 0.101

Y CENTROID: -0.015

POA TO CENTROID: 0.103

HORZ SPREAD: 1.294

VERT SPREAD: 1.662

GROUP SPREAD: 1.736

MIN RADIUS: 0.130

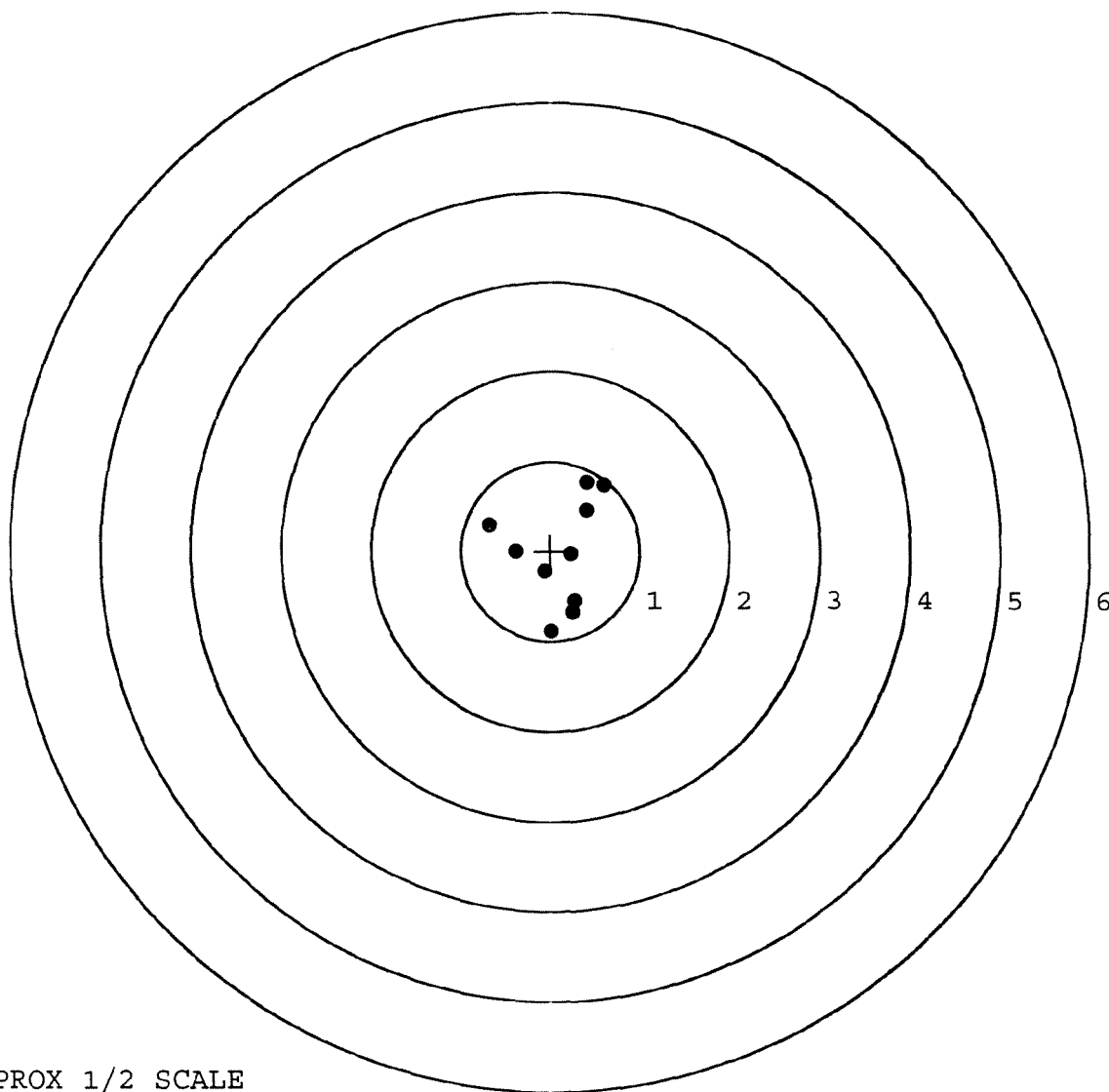
MAX RADIUS: 0.903

MEAN RADIUS: 0.618

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348812. 0

TARGET NUMBER: 5

FILE DATE: 04/08/2008

FILE TIME: 14:13

X CENTROID: 0.113

Y CENTROID: -0.224

POA TO CENTROID: 0.251

HORZ SPREAD: 1.182

VERT SPREAD: 2.634

GROUP SPREAD: 2.637

MIN RADIUS: 0.058

MAX RADIUS: 1.706

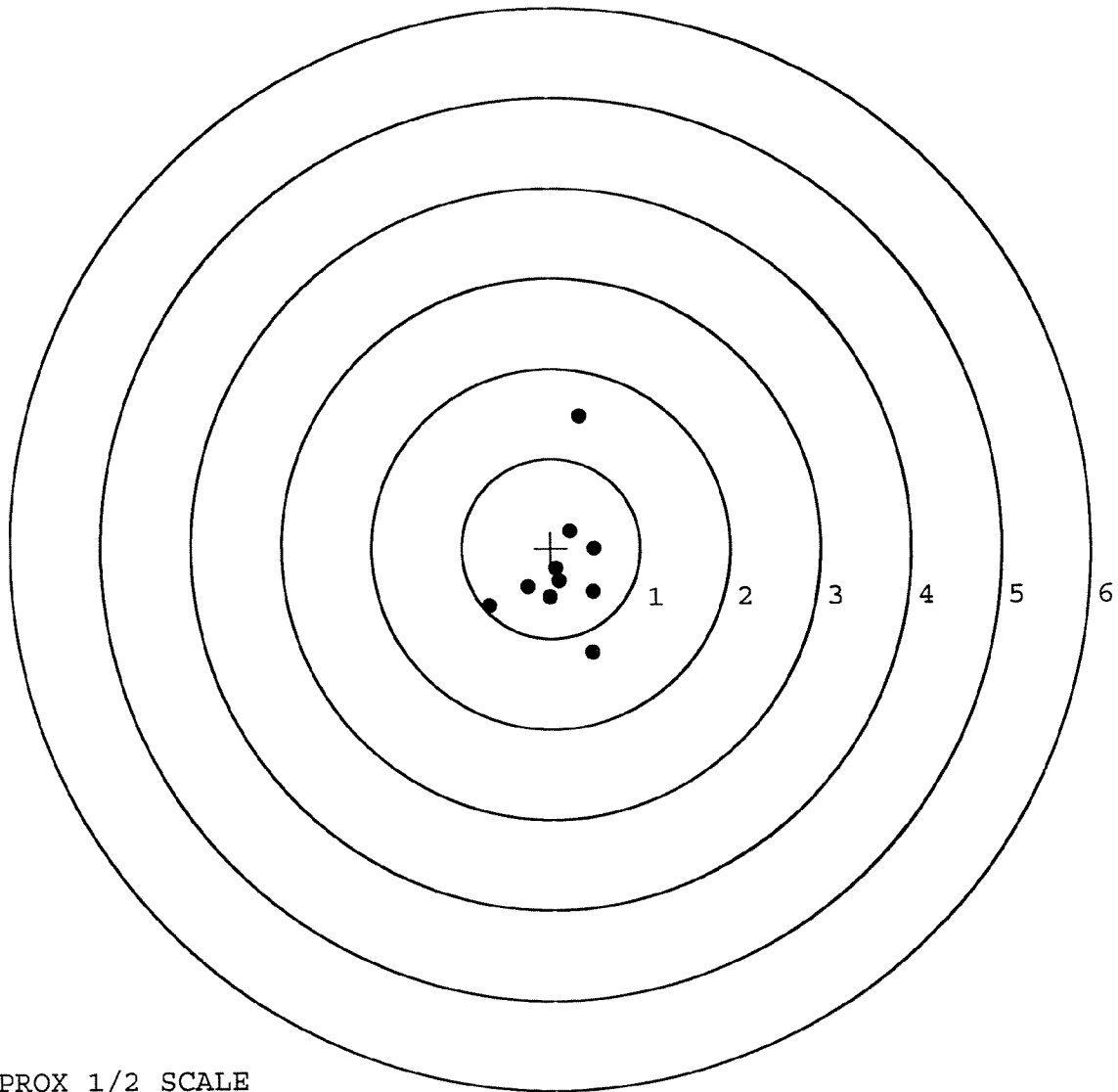
MEAN RADIUS: 0.591

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.333	1.468
2:	0.215	0.189
3:	0.486	-0.013
4:	0.056	-0.230
5:	0.092	-0.370
6:	-0.019	-0.550
7:	-0.265	-0.434
8:	-0.696	-0.644
9:	0.472	-0.489
10:	0.459	-1.166



TARGET APPROX 1/2 SCALE

R & E NUMBER		00142398	
SERIAL NUMBER		C6348812	
LOG-IN DATE		3-3-08	
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	3-11-08	L.P.D.
505	RE-BARREL	3-12-08	L.P.D.
560	ASSEMBLE	3-12-08	L.P.D.
600	PROOF	3-13-08	TRW
605	CHECK HEADSPACE	3-13-08	TRW
610	DIS-ASSEMBLE GUN	3-13-08	L.P.D.
612	MAGNAFLUX	3-14-08	unus
510	DRILL AND TAP	3-13-08	Fm
615	ROLLMARK CALIBER	3-13-08	CW
618	ROTO-BLAST	3-14-08	DG
620	APPLY COATINGS	3-14-08	HP
625	FINAL ASSEMBLY	3-31-08	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	4-8-08 SD
650	TARGET	(PASS) FAIL	4-8-08 SD
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	4-8-08 TRW
670	FINAL INSPECTION		
	A) HEADSPACE	(PASS) FAIL	4/8/08 Fm
	B) TRIGGER PULL	2.47 2.38 2.45 2.46 2.43	4/8/08 Fm
	F) SAFETY ON FORCE	5.5 5.5 5.5	4/8/08 Fm
	G) SAFETY OFF FORCE	4 4 3.5	4/8/08 Fm
	I) FIRING PIN INDENT	.022 .022 .023	4/8/08 Fm
690	PACK		4/8/08 Fm

NMP COPY 2

Final Inspection

S.N. C6348872

DATE REC'D: 9-26-00

DATE RET'D:

AUDITOR: RW

Item:

BARREL ASSY.

- ☒ BARREL
- ☒ RECEIVER
- ☒ FRONT SIGHT BLOCK
- ☒ REAR SIGHT BLOCK
- ☒ SCREWS
- ☒ FINISH

SCOPE ASSY.

- ☒ SCOPE
- ☒ SCOPE RINGS
- ☒ MOUNTING SCREWS
- ☒ MOUNTING BASE
- ☒ SCREWS
- ☒ FINISH
- ☒ LOOSENESS
- ☒ CLARITY

MISC.

- ☐ DD-250
- ☐ BAR CODE
- ☐ PACKAGING

Item:

STOCK ASSY.

- ☒ STOCK
- ☒ SLING SWIVEL STUDS
- ☒ ADJUSTABLE BUTT PLATE
- ☒ LOCK NUTS
- ☒ BARREL CLEARANCE
- ☒ COLOR/FINISH

SYSTEMS CASE

- ☐ SCOPE CASE
- ☐ IRON SIGHTS
- ☐ DEPLOYMENT KIT

TRIGGER

- ☒ SAFETY OPERATION
- ☒ SET

Comments:

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER		14568	
SERIAL NUMBER		C6348812	
LOG-IN DATE		9-26-00	
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-28-00	CK
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	10-3-00	RW
605	CHECK HEADSPACE	10-3-00	CK
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-17-00	RW
655	FINAL INSPECT	10-25-00	CK
660	PACK		
		SHIP DATE	
		QAR INSPECTION DATE	

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

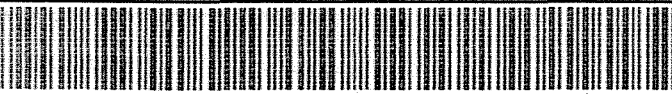
MODEL 700TM M24

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

Ø1

SERIAL NO.
C6348812

ORDER NO.
5716


5716 C6348812

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

UPC


0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348812

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 11	89	RW
600	Proof	7 11	89	RW
607	Check Headspace	7 11	89	RW
610	Dis-assemble Gun	7 11	89	RW
612	Magnaflux Barrel Action		7/13	KCR
	Magnaflux Bolt		7/13	KCR
615	Rollmark Caliber		7/13	DS
617	Drill and Tap Sight Holes	7 13	89	YB
618	Polish Barrel AB	7 13	89	BT
620	Apply Coatings (Barrel Action)		7/24/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/25/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/25/89	RW
	C) Inspect Ejector Hole for Chamfer		7/25/89	RW
	D) Oil Firing Pin Ass'y		7/25/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		3/1/89	LD

op. #	BARBER - M24 0064754 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			3/1/89	JS
	G) Safety Off Force	3	3	3			3/1/89	JS
	H) Trigger Pull Test & Retainability						3/1/89	JS
	I) Firing Pin Indent	.021	.021	.022			3/1/89	JS
	J) Assemble Stock	NEW STOCK - RESHOT 9/1/89					8/1/89	RW
	K) Assemble Swivel Studs						8/1/89	JS
	L) Attach Front and Rear Sight Assemblies						8/1/89	RW
	M) Iron Sight Alignment						8/1/89	RW
	N) Detach Front & Rear Sights & place in numbered container						8/1/89	RW
	O) Attach Scope to Rifle						8/1/89	WB
	P) Detach & Attach Scope 20 Times						8/1/89	WB
640	Gallery Target & Test	77 R 72 L					8-2-89	L
	A) Time						8-2-89	L
	B) Malfunctions						8-2-89	L
	C) Pierced Primers						8-2-89	L
	D) Optical Clarity of Scope						8-2-89	L
645	Inspect for Live Ammo						8-2-89	L
655	Final Inspection							
	A) Headspace						2 Aug 89	JS
	B) Trigger Pull	2.27	2.37	2.46	2.17	2.68	2 Aug 89	JS
	C) Function						2 Aug 89	JS
660	Pack						20 Sep 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6348812

DATE _____

TESTER _____

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.17	2.29	2.18	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.14	2.25	2.28	
PULL #3	2.16	2.28	2.30	
PULL #4	2.13	2.25	2.34	
PULL #5	2.20	2.31	2.29	
TOTAL	10.80	11.38	11.39	
AVG.	2.16	2.27	2.27	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.35	3.38	
PULL #2	3.30	3.40	
PULL #3	3.33	3.31	
PULL #4	3.31	3.36	
PULL #5	3.34	3.42	
TOTAL	16.63	16.87	
AVG.	3.32	3.37	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.32		
PULL #2	4.31	4.24		
PULL #3	4.33	4.32		
PULL #4	4.42	4.30		
PULL #5	4.39	4.32		
TOTAL	21.74	21.50		
AVG.	4.34	4.30		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348812
8 Sep 1989

CENTROIDAL DISTANCES

0 TO	1	.486338
1 TO	2	.787017
1 TO	3	.529306
1 TO	4	.378566
1 TO	5	.108559

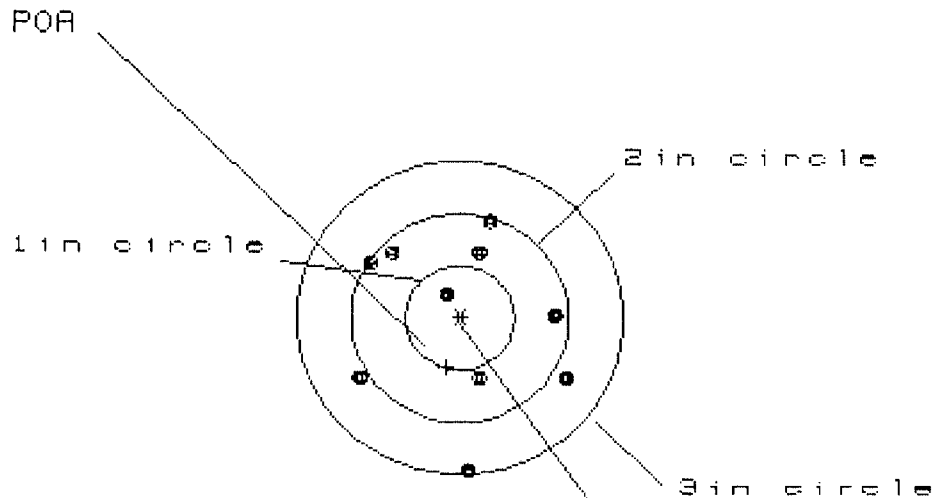
3 5
4 2 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .025
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2324
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .233741
THE RME FOR THIS RIFLE IS: .9372

8 Sep 1999

FILE:/PATTERNING/CENTERFIRE_PATT/C634B812.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 1.8994

VS= 2.417

GS= 2.425

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.006	1.014	.978
MINIMUM X	-.878	-.870	-.744
MAXIMUM Y	.962	.800	.709
MINIMUM Y	-1.455	-.731	-.802
CENTROID X	.125	.117	-.009
CENTROID Y	.470	.632	.723
POR TO CENTROID in.	.486	.643	.723
MIN RADIUS	.270	.148	.020
MEAN RADIUS	.890	.796	.708
MAX RADIUS	1.456	1.250	1.091
HORIZONTAL SPREAD	1.884	1.884	1.722
VERTICAL SPREAD	2.417	1.531	1.511
EXTREME SPREAD	2.425	2.161	1.886
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 10		

8 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B812.1

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 2.007

VS= 2.911

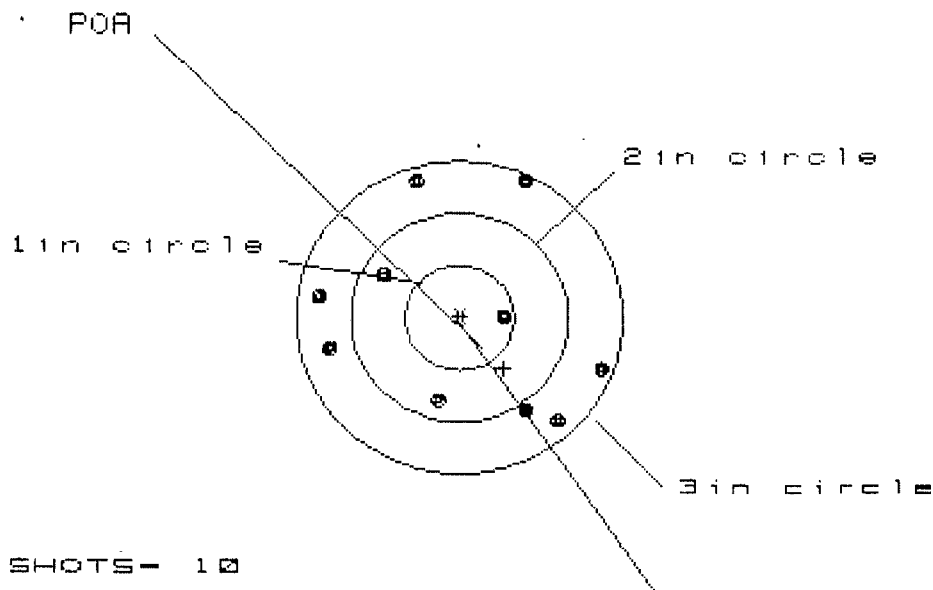
GS= 2.926

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.185	1.185	1.147
MINIMUM X	:	-.822	-.822	-.861
MAXIMUM Y	:	1.589	.758	.615
MINIMUM Y	:	-1.322	-1.145	-.845
CENTROID X	:	.165	.165	.204
CENTROID Y	:	-.316	-.493	-.350
POA TO CENTROID in.	:	.357	.520	.405
MIN RADIUS	:	.331	.167	.312
MEAN RADIUS	:	.952	.868	.823
MAX RADIUS	:	1.589	1.185	1.154
HORIZONTAL SPREAD	:	2.007	2.007	2.007
VERTICAL SPREAD	:	2.911	1.903	1.460
EXTREME SPREAD	:	2.926	2.067	2.057
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6346812.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 9

HS= 2.585

VS= 2.302

GS= 2.673

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.269
MINIMUM X	-1.316
MAXIMUM Y	1.358
MINIMUM Y	-.945
CENTROID X	-.404
CENTROID Y	.488
POA TO CENTROID in.	.634
MIN RADIUS	.423
MEAN RADIUS	1.125
MAX RADIUS	1.503
HORIZONTAL SPREAD	2.585
VERTICAL SPREAD	2.302
EXTREME SPREAD	2.673
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	3
NUMBER IN THREE INCH CIRCLE =	9

6 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348812.1

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 2.719

VS= 1.100

GS= 2.769

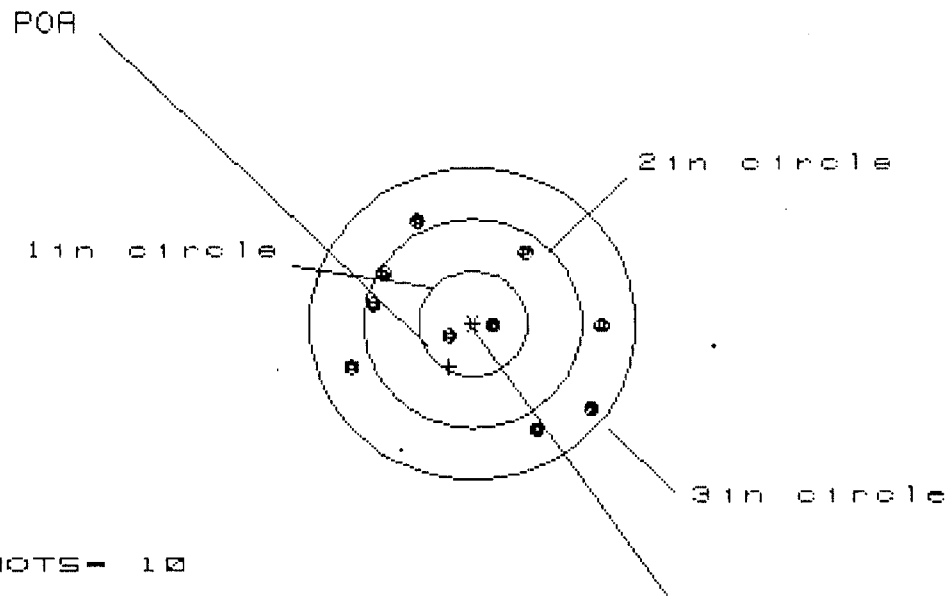
CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.115	.936	.995
MINIMUM X	-1.604	-1.024	-.907
MAXIMUM Y	.648	.655	.600
MINIMUM Y	-.452	-.445	-.347
CENTROID X	.021	.200	.083
CENTROID Y	.106	.099	.154
POA TO CENTROID in.	.109	.223	.175
MIN RADIUS	.213	.183	.233
MEAN RADIUS	.784	.688	.633
MAX RADIUS	1.606	1.037	1.022
HORIZONTAL SPREAD	2.719	1.960	1.902
VERTICAL SPREAD	1.100	1.100	.947
EXTREME SPREAD	2.769	2.009	1.910
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

8 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348812.1

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 10

HS = 2.324

VS = 2.021

GS = 2.464

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.231	1.354	.905
MINIMUM X	-1.093	-.970	-.801
MAXIMUM Y	1.013	.918	.906
MINIMUM Y	-1.008	-1.103	-1.115
CENTROID X	.218	.095	-.074
CENTROID Y	.414	.509	.521
POA TO CENTROID in.	.468	.518	.526
MIN RADIUS	.166	.237	.261
MEAN RADIUS	.935	.875	.802
MAX RADIUS	1.400	1.357	1.436
HORIZONTAL SPREAD	2.324	2.324	1.706
VERTICAL SPREAD	2.021	2.021	2.021
EXTREME SPREAD	2.464	2.358	2.306
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	10		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348812
3 Aug 1989

CENTROIDAL DISTANCES

0 TO	1	.267989
1 TO	2	.13537
1 TO	3	.498401
1 TO	4	.368098
1 TO	5	.584785

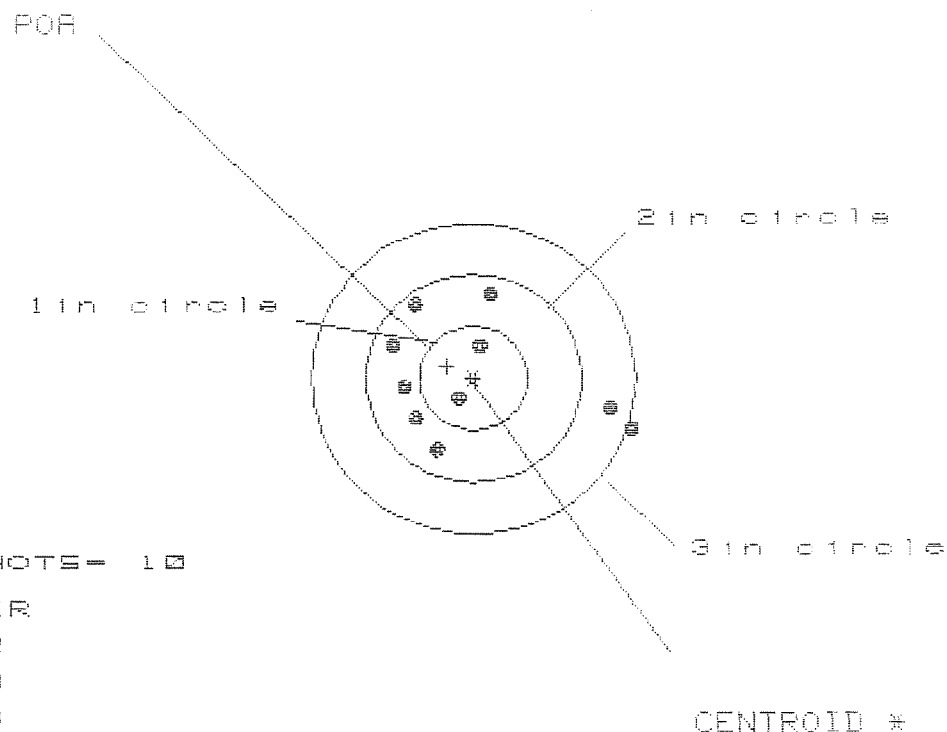
5#³ < ----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0716
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0136
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0728882
THE AMP FOR THIS RIFLE IS: .975

2 Aug 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C8348812

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 8

3 in = 9

HS = 2.229

VS = 1.486

GS = 2.355

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.452	1.406	.460
MINIMUM X	-.777	-.616	-.440
MAXIMUM Y	.812	.762	.724
MINIMUM Y	-.674	-.724	-.762
CENTROID X	.243	.082	-.094
CENTROID Y	-.113	-.063	-.025
POA TO CENTROID in.	.268	.103	.098
MIN RADIUS	.262	.290	.327
MEAN RADIUS	.787	.668	.548
MAX RADIUS	1.521	1.438	.858
HORIZONTAL SPREAD	2.229	2.022	.900
VERTICAL SPREAD	1.486	1.486	1.486
EXTREME SPREAD	2.355	2.098	1.553
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

2 Aug 1989

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CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS = 1.778

VS = 2.031

GS = 2.188

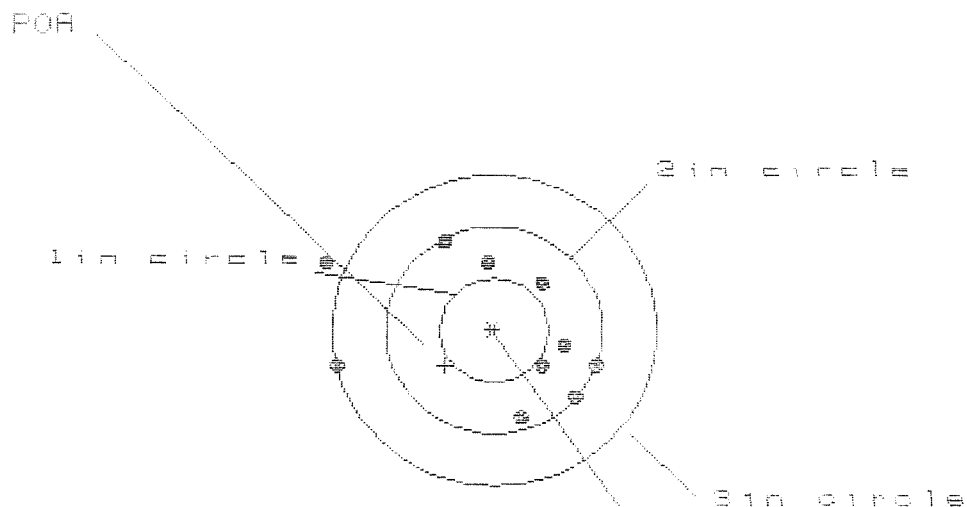
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.934	.904	.726
MINIMUM X	:	-.844	-.874	-.761
MAXIMUM Y	:	.875	.746	.651
MINIMUM Y	:	-1.156	-.767	-.697
CENTROID X	:	.108	.138	.025
CENTROID Y	:	-.103	.026	.121
POA TO CENTROID in.	:	.149	.141	.124
MIN RADIUS	:	.264	.389	.441
MEAN RADIUS	:	.853	.813	.756
MAX RADIUS	:	1.188	1.185	.946
HORIZONTAL SPREAD	:	1.778	1.778	1.487
VERTICAL SPREAD	:	2.031	1.513	1.348
EXTREME SPREAD	:	2.188	1.961	1.880
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 4

H0 = 2.480

V0 = 1.680

G0 = 2.670

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.940	.772	.574
MINIMUM X	-1.510	-1.584	-.958
MAXIMUM Y	.851	.929	.901
MINIMUM Y	-.842	-.764	-.792
CENTROID X	.453	.621	.819
CENTROID Y	.339	.261	.289
FOR TO CENTROID in.	.566	.673	.868
MIN RADIUS	.556	.382	.307
MEAN RADIUS	.953	.825	.676
MAX RADIUS	1.666	1.599	1.244
HORIZONTAL SPREAD	2.450	2.356	1.432
VERTICAL SPREAD	1.693	1.693	1.593
EXTREME SPREAD	2.673	2.357	1.973
NUMBER IN ONE INCH CIRCLE =	1	6	9
NUMBER IN TWO INCH CIRCLE =	5	4	3
NUMBER IN THREE INCH CIRCLE =	10	9	8

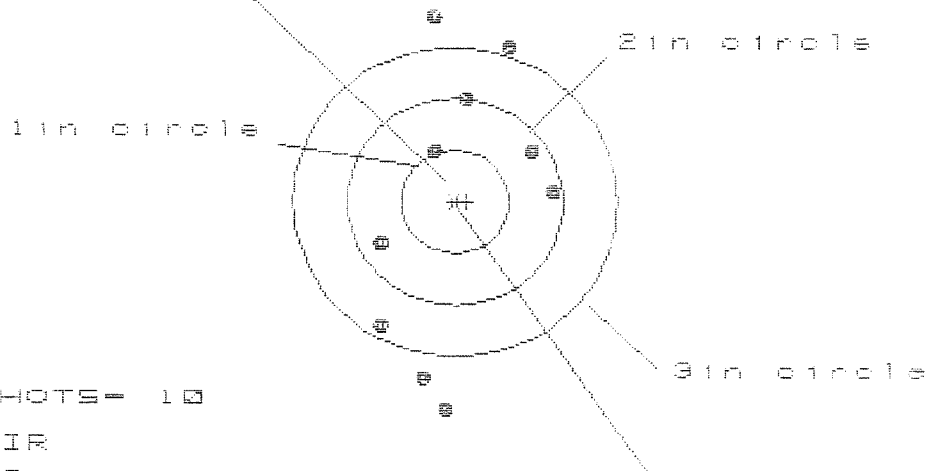
3 Aug 1989

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CENTERFIRE PATTERNS

4

FOR



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 6

HS= 1.681

VS= 3.720

CS= 3.721

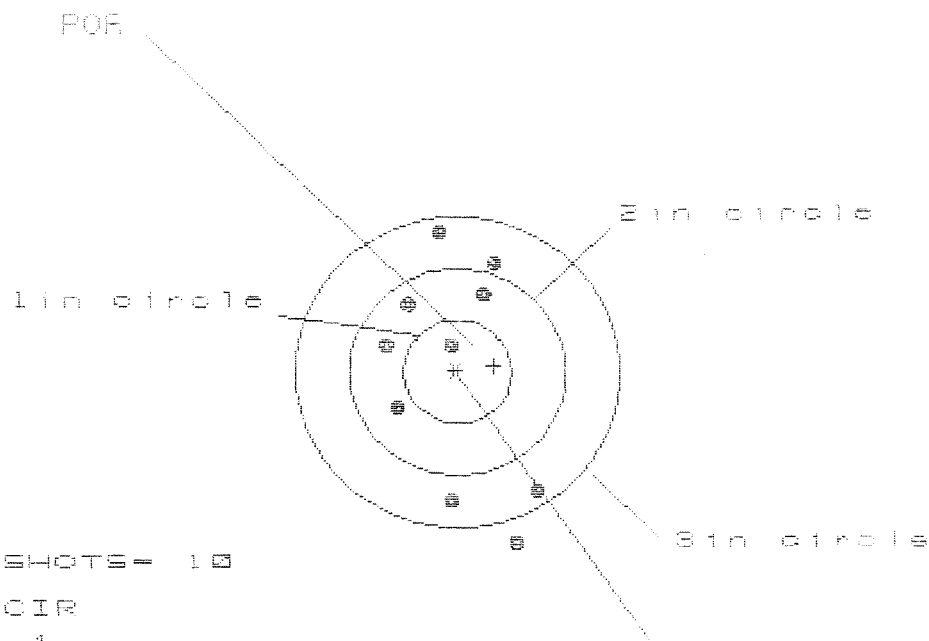
CENTROID *

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.954	.942	.916
MINIMUM X	-.737	-.749	-.775
MAXIMUM Y	1.766	1.548	1.480
MINIMUM Y	-1.954	-1.933	-1.739
CENTROID X	-.107	-.095	-.069
CENTROID Y	.001	.219	.025
POA TO CENTROID in.	.107	.238	.074
MIN RADIUS	.542	.364	.530
MEAN RADIUS	1.268	1.149	1.114
MAX RADIUS	1.958	1.957	1.770
HORIZONTAL SPREAD	1.691	1.691	1.691
VERTICAL SPREAD	3.720	3.481	3.219
EXTREME SPREAD	3.721	3.483	3.319
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	6	

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 8

HS = 1.421

VS = 3.053

GS = 3.135

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.779	.843	.893
MINIMUM X	:	-.641	-.578	-.588
MAXIMUM Y	:	1.401	1.217	1.036
MINIMUM Y	:	-1.652	-1.404	-1.251
CENTROID X	:	-.339	-.403	-.393
CENTROID Y	:	-.056	.128	-.025
POA TO CENTROID in.	:	.344	.422	.394
MIN RADIUS	:	.316	.122	.274
MEAN RADIUS	:	1.014	.873	.858
MAX RADIUS	:	1.747	1.593	1.460
HORIZONTAL SPREAD	:	1.421	1.421	1.421
VERTICAL SPREAD	:	3.053	2.621	2.287
EXTREME SPREAD	:	3.135	2.730	2.323
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	