

C6611779

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: **RE00034895** Serial: C6611779 Model: 700 Center Fire Caliber: 7.62 NATO M 24 (SWS) Repairman: Status: Closed 11/1/01 8:38:33 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: C CO 2/3RD SFGA C CO 2/3RD SFGA

Address 1: Address 2: PO Box: 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: Fax: Email: Comments:

Received Condition

Condition: Poor

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A016	Scope Mounts	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1

Repair Search Refresh Close

Start 11/1/01 9:49 AM CAPS NUM INS SCAL

Inbox - M... Calendar... Microsoft... NJBGS C... Arms S...

9:49 AM

Serial Number: **C6611779**

Model: **700**



RE00034895

Final Inspection

In: C661779

DATE REC'D: 11-1-01

DATE RET'D: 11/28/01

EDITOR: RHL

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: _____

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611779.___0
FILE DATE AND TIME: 11/20/2001 09:47

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.032
The Average Y Centroid of the Five Target Set:	-0.064
The Average Point of Impact of the Five Target Set:	0.072
The Average Mean Radius of the Five Target Set:	0.917
The Distance from POA to Centroid Target #1:	0.470
The Distance from Centroid Target #2 to Centroid Target #1:	0.587
The Distance from Centroid Target #3 to Centroid Target #1:	0.253
The Distance from Centroid Target #4 to Centroid Target #1:	0.639
The Distance from Centroid Target #5 to Centroid Target #1:	0.569

SERIAL NUMBER: C6611779. 0

TARGET NUMBER: 1

FILE DATE: 11/20/2001

FILE TIME: 09:47

X CENTROID: 0.130

Y CENTROID: -0.452

POA TO CENTROID: 0.470

HORZ SPREAD: 1.532

VERT SPREAD: 2.793

GROUP SPREAD: 2.917

MIN RADIUS: 0.356

MAX RADIUS: 2.089

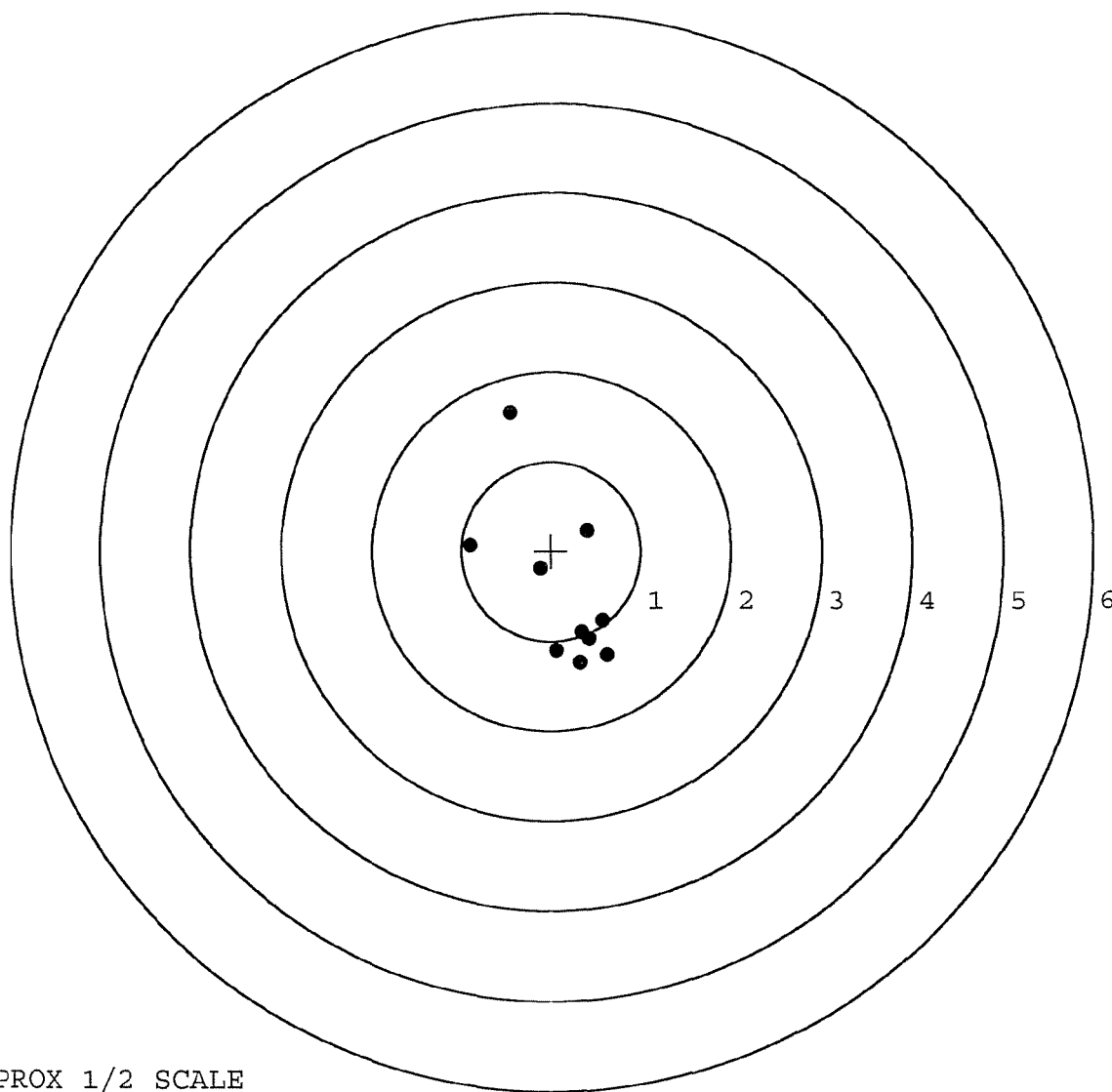
MEAN RADIUS: 0.833

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.463	1.551
2:	-0.904	0.061
3:	-0.122	-0.200
4:	0.412	0.228
5:	0.580	-0.772
6:	0.346	-0.903
7:	0.061	-1.112
8:	0.332	-1.242
9:	0.628	-1.154
10:	0.430	-0.975



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611779. 0

TARGET NUMBER: 2

FILE DATE: 11/20/2001

FILE TIME: 09:47

X CENTROID: 0.062

Y CENTROID: 0.132

POA TO CENTROID: 0.145

HORZ SPREAD: 2.575

VERT SPREAD: 1.687

GROUP SPREAD: 2.720

MIN RADIUS: 0.195

MAX RADIUS: 1.659

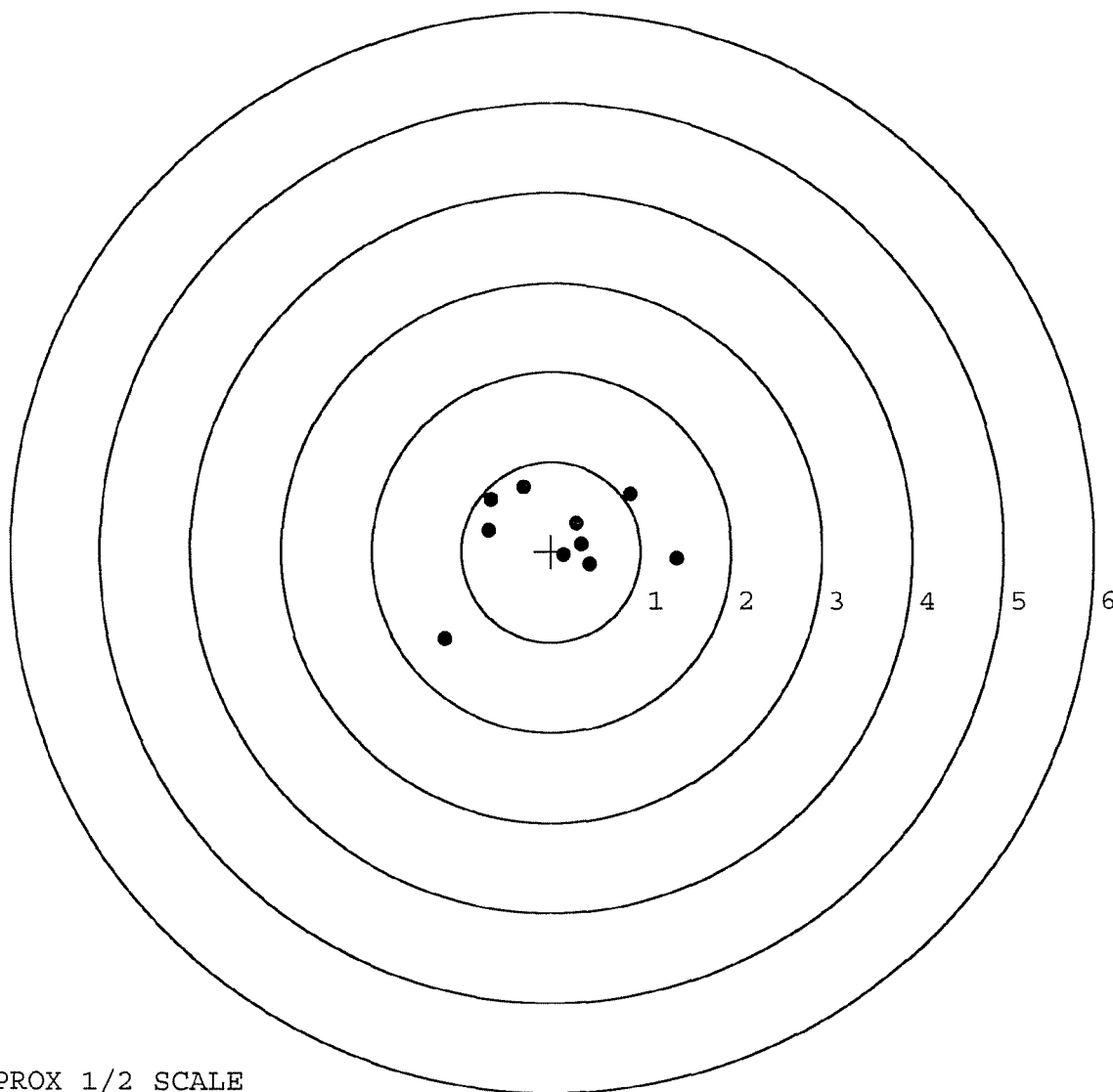
MEAN RADIUS: 0.753

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.312	0.720
2:	-0.699	0.234
3:	-0.676	0.581
4:	-1.181	-0.967
5:	1.394	-0.092
6:	0.880	0.638
7:	0.439	-0.141
8:	0.146	-0.044
9:	0.343	0.078
10:	0.283	0.309



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611779. __0

TARGET NUMBER: 3

FILE DATE: 11/20/2001

FILE TIME: 09:47

X CENTROID: 0.187

Y CENTROID: -0.205

POA TO CENTROID: 0.277

HORZ SPREAD: 2.092

VERT SPREAD: 3.079

GROUP SPREAD: 3.358

MIN RADIUS: 0.207

MAX RADIUS: 2.018

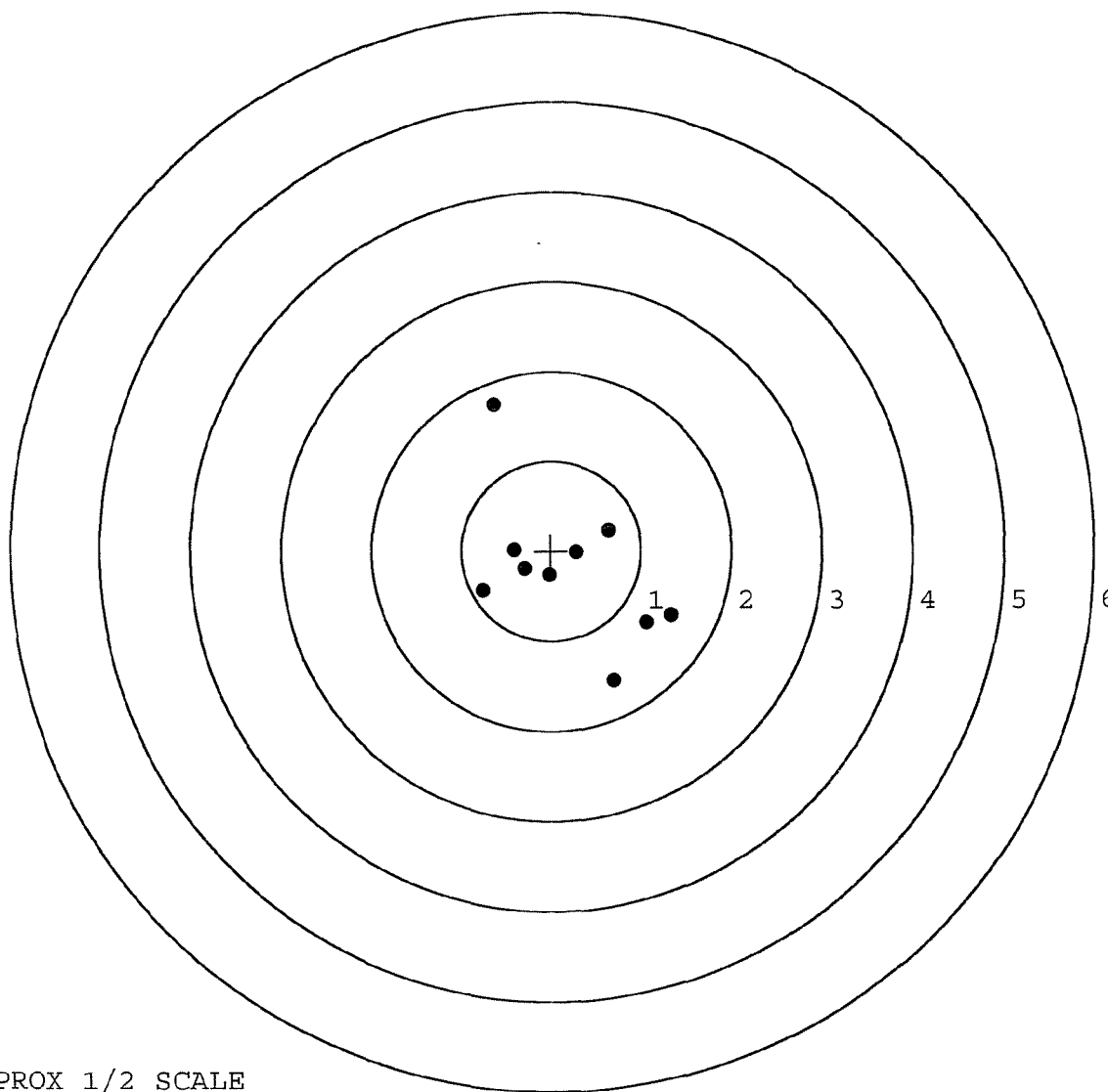
MEAN RADIUS: 0.882

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.643	1.635
2:	-0.764	-0.442
3:	0.696	-1.444
4:	1.328	-0.723
5:	1.054	-0.806
6:	-0.413	0.012
7:	-0.295	-0.206
8:	-0.020	-0.280
9:	0.286	-0.023
10:	0.638	0.229



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611779. 0

TARGET NUMBER: 4

FILE DATE: 11/20/2001

FILE TIME: 09:47

POINT#	X	Y
1:	-0.871	1.712
2:	-0.574	1.163
3:	-0.802	0.860
4:	-0.721	-0.398
5:	-0.545	-0.499
6:	-0.120	-0.373
7:	0.298	-0.669
8:	0.267	-1.401
9:	0.671	0.065
10:	0.966	0.801

X CENTROID: -0.143

Y CENTROID: 0.126

POA TO CENTROID: 0.191

HORZ SPREAD: 1.837

VERT SPREAD: 3.113

GROUP SPREAD: 3.314

MIN RADIUS: 0.500

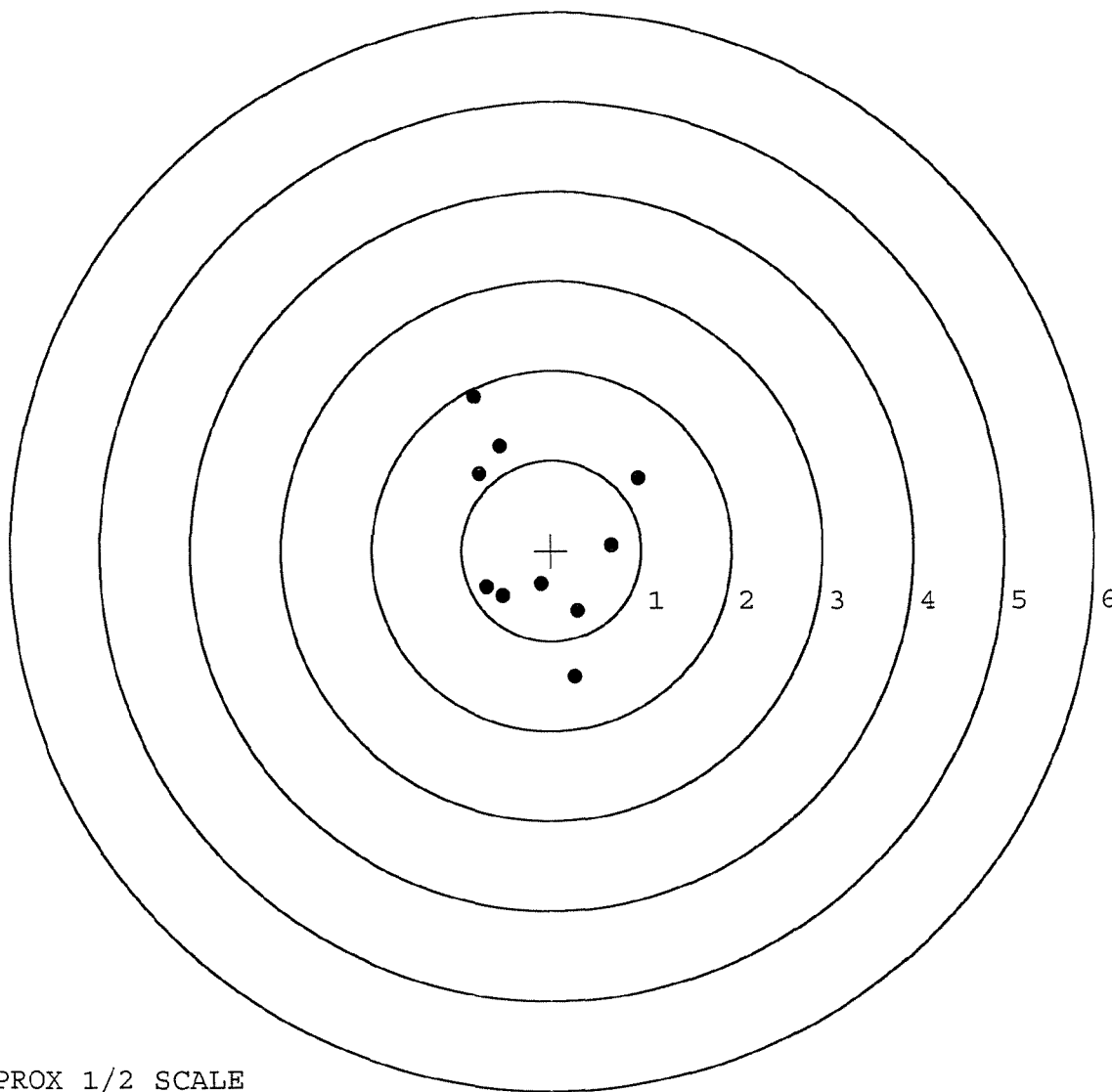
MAX RADIUS: 1.745

MEAN RADIUS: 1.048

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611779. __0

TARGET NUMBER: 5

FILE DATE: 11/20/2001

FILE TIME: 09:47

X CENTROID: -0.077

Y CENTROID: 0.078

POA TO CENTROID: 0.109

HORZ SPREAD: 1.870

VERT SPREAD: 3.577

GROUP SPREAD: 3.582

MIN RADIUS: 0.410

MAX RADIUS: 1.910

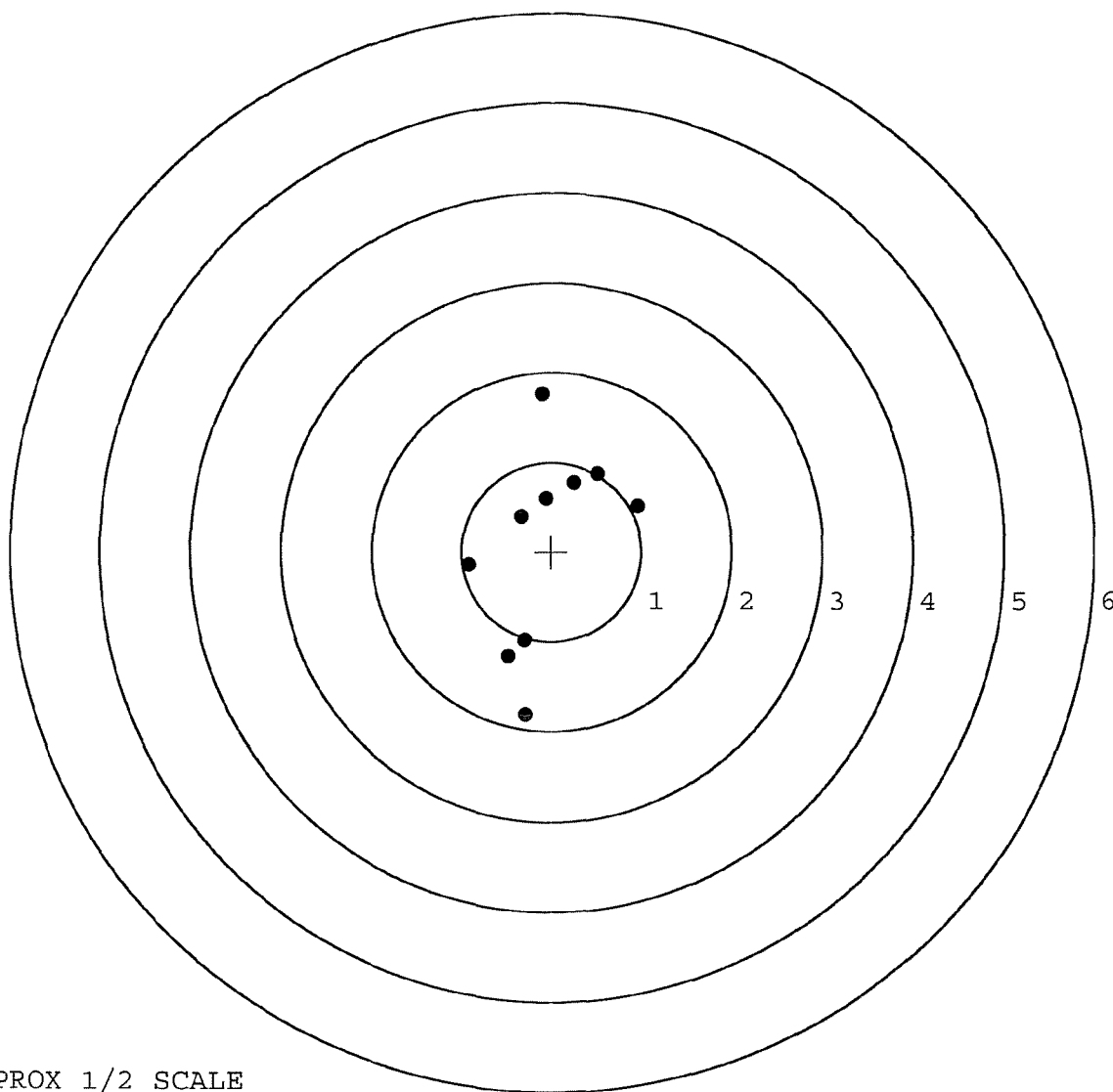
MEAN RADIUS: 1.067

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.109	1.757
2:	0.955	0.511
3:	-0.299	-0.988
4:	-0.479	-1.172
5:	-0.292	-1.820
6:	-0.915	-0.148
7:	-0.335	0.397
8:	-0.065	0.598
9:	0.256	0.768
10:	0.515	0.876



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	34895		
SERIAL NUMBER	C661 1779		
LOG-IN DATE	11-1-01		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-5-01	RH
560 A	RE-BARREL	11/6	BWT
B	DRILL AND TAP	11/7	BWT
575	ASSEMBLE	11-7-01	RW
600	PROOF	11-7-01	RW
605	CHECK HEADSPACE	11-7-01	RW
610	DIS-ASSEMBLE GUN	11-7-01	RW
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER	11/12	RD
618	ROTO-BLAST	11/14	R
620	APPLY COATINGS	11-15	TA
625 A	FINAL ASSEMBLY	11-20-01	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-20-01	RW
655	FINAL INSPECT	11-28-01	RH
660	PACK	11-28-01	RA
		SHIP DATE	
QAR INSPECTION DATE			

 		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ M24		SERIAL NO. C6611779
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611779

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		1/24/91	KS
600	Proof		1/24/91	KS
607	Check Headspace		1/24/91	KS
610	Dis-assemble Gun		1/24/91	KS
612	Magnaflux Barrel Action		1/29/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GL
617	Drill and Tap Sight Holes	2 2 91		FB
618	Polish Barrel <i>R.B.B.</i>	2 2 91		WB
620	Apply Coatings (Barrel Action)		2-11-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/18/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/18/91	KA
	C) Inspect Ejector Hole for Chamfer		2/18/91	KA
	D) Oil Firing Pin Ass'y		2/18/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2/24/91	JK

op. #	BARBER, M24 0035815 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			2/20/91	WB
	G) Safety Off Force	3	3	3			2/20/91	WB
	H) Trigger Pull Test & Retainability						2/20/91	JK
	I) Firing Pin Indent	.0215	.0215	.0215			2/20/91	WB
	J) Assemble Stock						2/20/91	JK
	K) Assemble Swivel Studs						2-26-91	AC
	L) Attach Front and Rear Sight Assemblies						2/20/91	JK
	M) Iron Sight Alignment						2/20/91	JK
	N) Detach Front & Rear Sights & place in numbered container						2/20/91	JK
	O) Attach Scope to Rifle						2/20/91	JK
	P) Detach & Attach Scope 20 Times						2/20/91	JK
640	Gallery Target & Test						2-25-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						2-25-91	NF
655	Final Inspection							
	A) Headspace						2-26-91	AC
	B) Trigger Pull	2.48	2.51	2.43	2.47	2.48	2/26/91	JK
	C) Function						2-26-91	AC
660	Pack						3-14-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06611779

DATE 2/20/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.26	2.26	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.22	2.26	2.51	
PULL #3	2.32	2.31	2.32	2.43	
PULL #4	2.37	2.26	2.30	2.47	
PULL #5	2.22	2.27	2.29	2.48	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.21		
PULL #2	3.28	3.17		
PULL #3	3.17	3.24		
PULL #4	3.31	3.26		
PULL #5	3.25	3.43		
TOTAL	3			
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.23		4.17
PULL #2	4.26	4.27		4.22
PULL #3	4.27	4.27		4.27
PULL #4	4.32	4.26		4.25
PULL #5	4.32	4.25		4.15
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611779
26 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.0594811
1 TO	2	.01
1 TO	3	.0922009
1 TO	4	.137615
1 TO	5	.165415

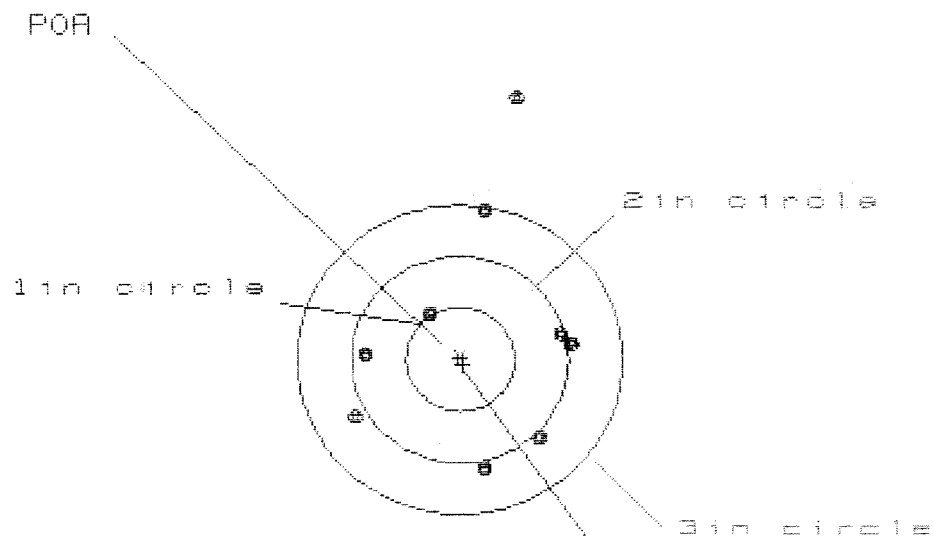
高 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0062
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0456
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0460196
THE AMR FOR THIS RIFLE IS: 1.043

28 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11779

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 3

3in = 8

HS= 2.571

VS= 5.035

GS= 5.463

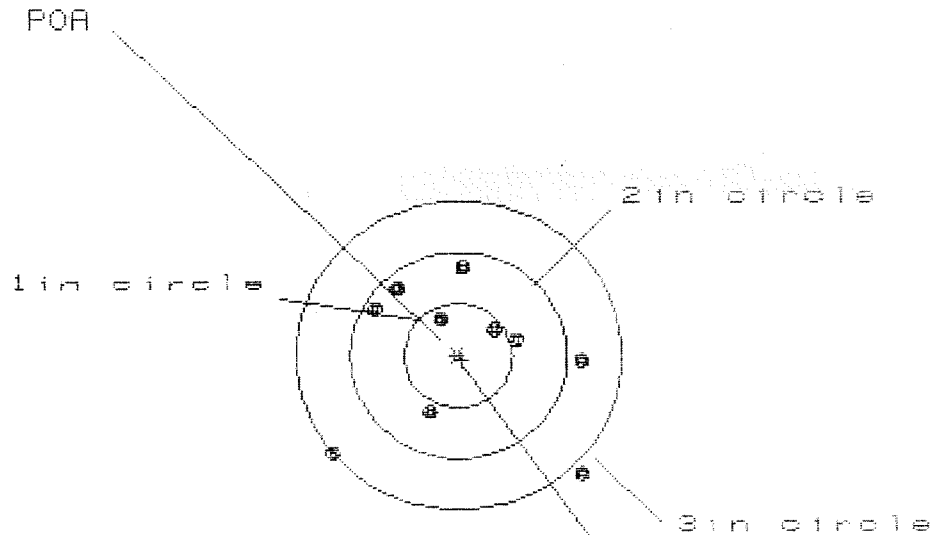
CENTROID #

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.987	.811	.856
MINIMUM X	:	-1.584	-1.133	-1.088
MAXIMUM Y	:	2.543	2.266	1.445
MINIMUM Y	:	-2.492	-1.313	-1.030
CENTROID X	:	-.027	.149	.104
CENTROID Y	:	.053	.330	.047
POA TO CENTROID in.	:	.060	.362	.114
MIN RADIUS	:	.520	.497	.609
MEAN RADIUS	:	1.359	1.168	1.000
MAX RADIUS	:	2.953	2.294	1.450
HORIZONTAL SPREAD	:	2.571	1.944	1.944
VERTICAL SPREAD	:	5.035	3.579	2.475
EXTREME SPREAD	:	5.463	3.596	2.476
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	8		

26 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611779

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 7

3 in - 8

HS= 2.314

VS= 2.027

GS= 2.499

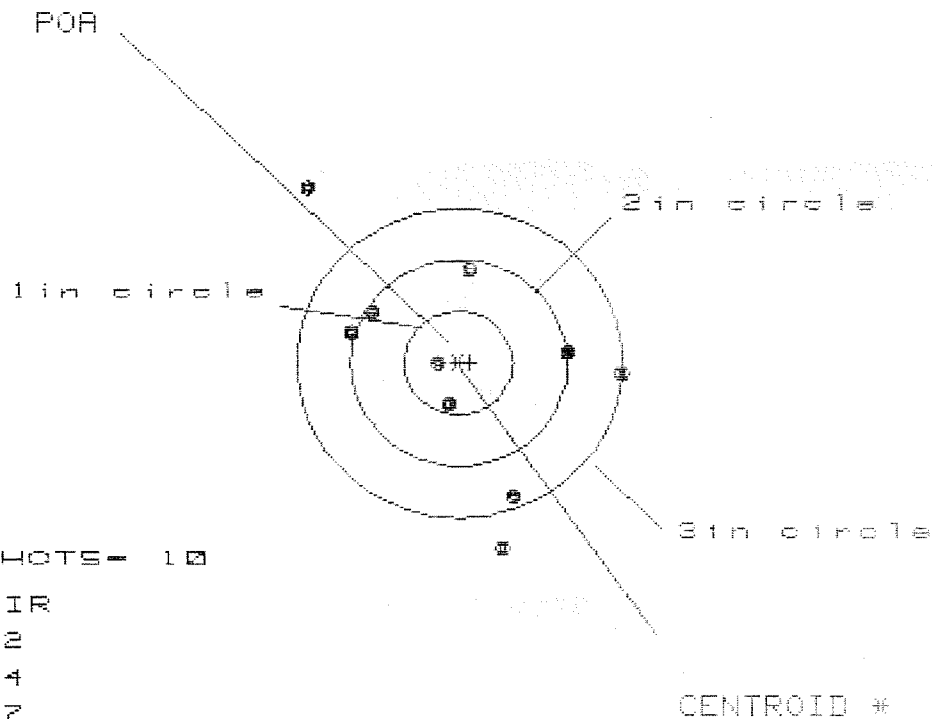
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.113	1.235	1.100
MINIMUM X	:	-1.201	-1.079	-.828
MAXIMUM Y	:	.884	.757	.624
MINIMUM Y	:	-1.143	-1.058	-.845
CENTROID X	:	-.033	-.155	-.020
CENTROID Y	:	.045	.172	.305
POA TO CENTROID in.	:	.056	.232	.305
MIN RADIUS	:	.351	.188	.184
MEAN RADIUS	:	.892	.786	.663
MAX RADIUS	:	1.584	1.511	1.146
HORIZONTAL SPREAD	:	2.314	2.314	1.928
VERTICAL SPREAD	:	2.027	1.815	1.469
EXTREME SPREAD	:	2.499	2.472	1.997
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

26 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611773

CENTERFIRE PATTERNS # 3



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.546	1.392	1.418
MINIMUM X	:	-1.384	-1.178	-1.152
MAXIMUM Y	:	1.728	1.125	.922
MINIMUM Y	:	-1.812	-1.620	-1.331
CENTROID X	:	-.101	.053	.027
CENTROID Y	:	-.002	-.194	.009
POA TO CENTROID in.	:	.101	.201	.029
MIN RADIUS	:	.228	.294	.356
MEAN RADIUS	:	1.159	1.048	.956
MAX RADIUS	:	2.213	1.633	1.425
HORIZONTAL SPREAD	:	2.930	2.570	2.570
VERTICAL SPREAD	:	3.540	2.745	2.253
EXTREME SPREAD	:	3.945	2.760	2.609
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

26 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611779

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 2.833

VS= 2.709

GS= 3.430

CENTROID *

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.535	1.391	.592
MINIMUM X	:	-1.298	-.964	-.790
MAXIMUM Y	:	1.589	.939	.918
MINIMUM Y	:	-1.120	-.944	-.965
CENTROID X	:	.026	.170	-.004
CENTROID Y	:	.180	.004	.025
POA TO CENTROID in.	:	.182	.170	.025
MIN RADIUS	:	.301	.513	.453
MEAN RADIUS	:	.987	.880	.799
MAX RADIUS	:	2.052	1.401	1.074
HORIZONTAL SPREAD	:	2.833	2.355	1.382
VERTICAL SPREAD	:	2.709	1.883	1.883
EXTREME SPREAD	:	3.430	2.355	1.922
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	8		

26 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8811773

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 3

2in = 6

3in = 9

HS = 2.282

VS = 1.822

GS = 2.756

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.137	1.023	.865
MINIMUM X	-1.145	-1.259	-1.120
MAXIMUM Y	1.213	.535	.493
MINIMUM Y	-.609	-.474	-.516
CENTROID X	.104	.218	.376
CENTROID Y	-.048	-.183	-.141
POA TO CENTROID in.	.115	.285	.401
MIN RADIUS	.143	.220	.228
MEAN RADIUS	.816	.722	.648
MAX RADIUS	1.589	1.303	1.128
HORIZONTAL SPREAD	2.282	2.282	1.985
VERTICAL SPREAD	1.822	1.009	1.009
EXTREME SPREAD	2.756	2.331	2.001
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	