

C6225262

MODEL 700TM M24

Model **SWS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*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: **RE00052517** Serial: **C6225262** Model: **700** Center Fire Caliber: **7.62 NATO M-24 (SWS)** Repairman: Status: **Closed 9/19/02 6:44:08 AM**

Verify Repair

Address Information

Customer: **MATERIAL MOVEMENT SECTION** Received From: **MATERIAL MOVEMENT SECTION**

Name: **MATERIAL MOVEMENT SECTION** Return To: **MATERIAL MOVEMENT SECTION**

Address 1: **BLDG 9630** Address 2: PO Box: BLDG 9630

City: **FORT LEWIS** State: **WA** Zip Code: **98433** Country: **US** State: **WA** Zip Code: **98433** Country: **US**

EFL:

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
X	FRT & REAR SGT BA	1

Repair Search Refresh Close

radetj 9/19/02 7:15 AM CAPS NUM INS SCRL

Start Inbox - Microsoft Outlook Arms Services Repair... 7:15 AM

Serial Number: **C6225262**

Model: **700**



RE00052517

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225262.___0

FILE DATE AND TIME: 10/09/2002 13:48

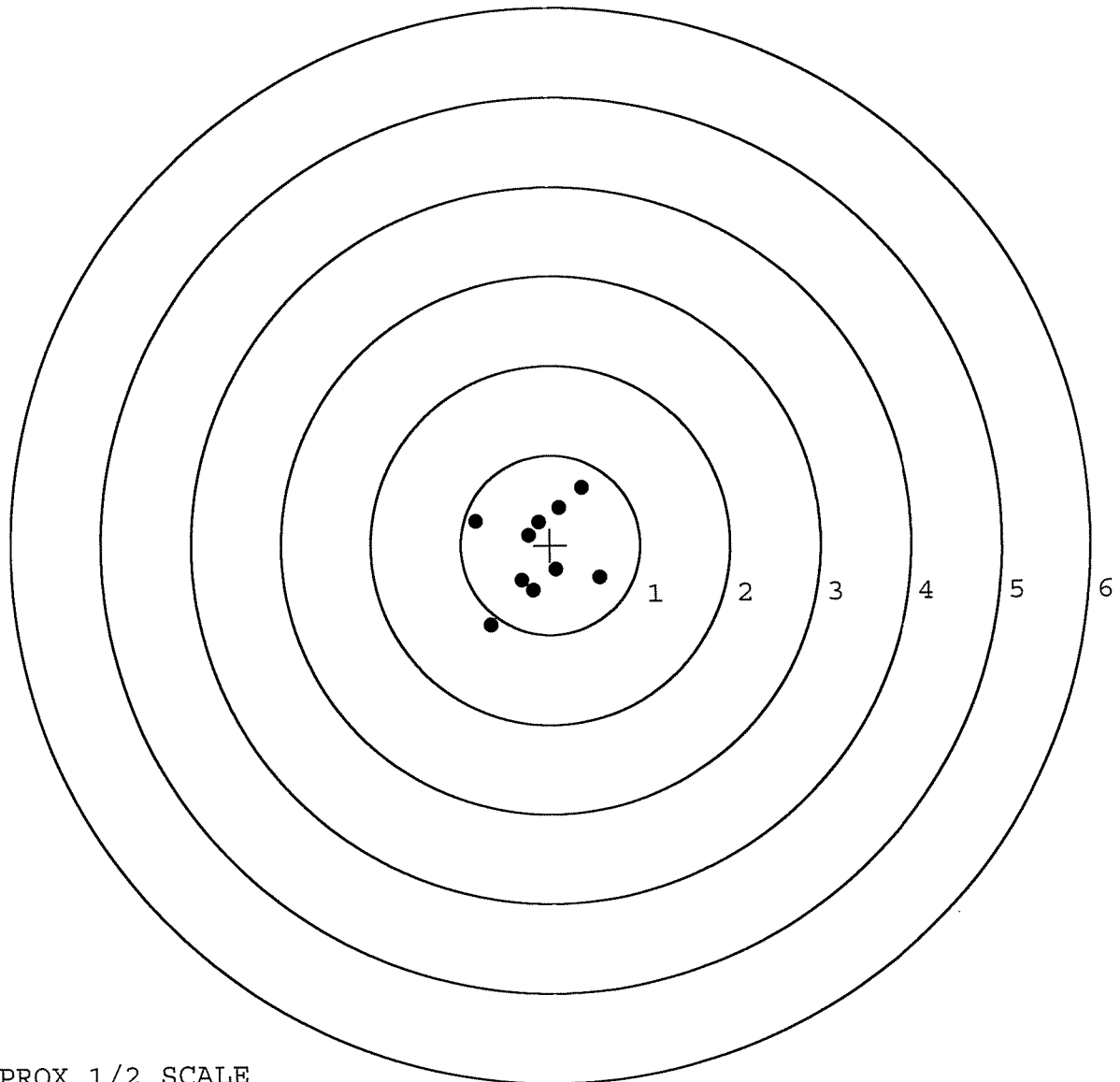
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.068
The Average Y Centroid of the Five Target Set:	-0.015
The Average Point of Impact of the Five Target Set:	0.070
The Average Mean Radius of the Five Target Set:	0.411
The Distance from POA to Centroid Target #1:	0.152
The Distance from Centroid Target #2 to Centroid Target #1:	0.153
The Distance from Centroid Target #3 to Centroid Target #1:	0.162
The Distance from Centroid Target #4 to Centroid Target #1:	0.122
The Distance from Centroid Target #5 to Centroid Target #1:	0.120

SERIAL NUMBER: C6225262. __0
 TARGET NUMBER: 1
 FILE DATE: 10/09/2002
 FILE TIME: 13:48

X CENTROID: -0.132
 Y CENTROID: -0.075
 POA TO CENTROID: 0.152
 HORZ SPREAD: 1.379
 VERT SPREAD: 1.530
 GROUP SPREAD: 1.840
 MIN RADIUS: 0.218
 MAX RADIUS: 0.978
 MEAN RADIUS: 0.555
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.549	-0.370
2:	0.065	-0.274
3:	-0.195	-0.512
4:	-0.323	-0.397
5:	-0.668	-0.894
6:	-0.830	0.273
7:	-0.244	0.112
8:	-0.132	0.259
9:	0.102	0.414
10:	0.354	0.636



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225262. __0

TARGET NUMBER: 2

FILE DATE: 10/09/2002

FILE TIME: 13:48

X CENTROID: 0.015

Y CENTROID: -0.116

POA TO CENTROID: 0.117

HORZ SPREAD: 1.214

VERT SPREAD: 0.606

GROUP SPREAD: 1.246

MIN RADIUS: 0.027

MAX RADIUS: 0.699

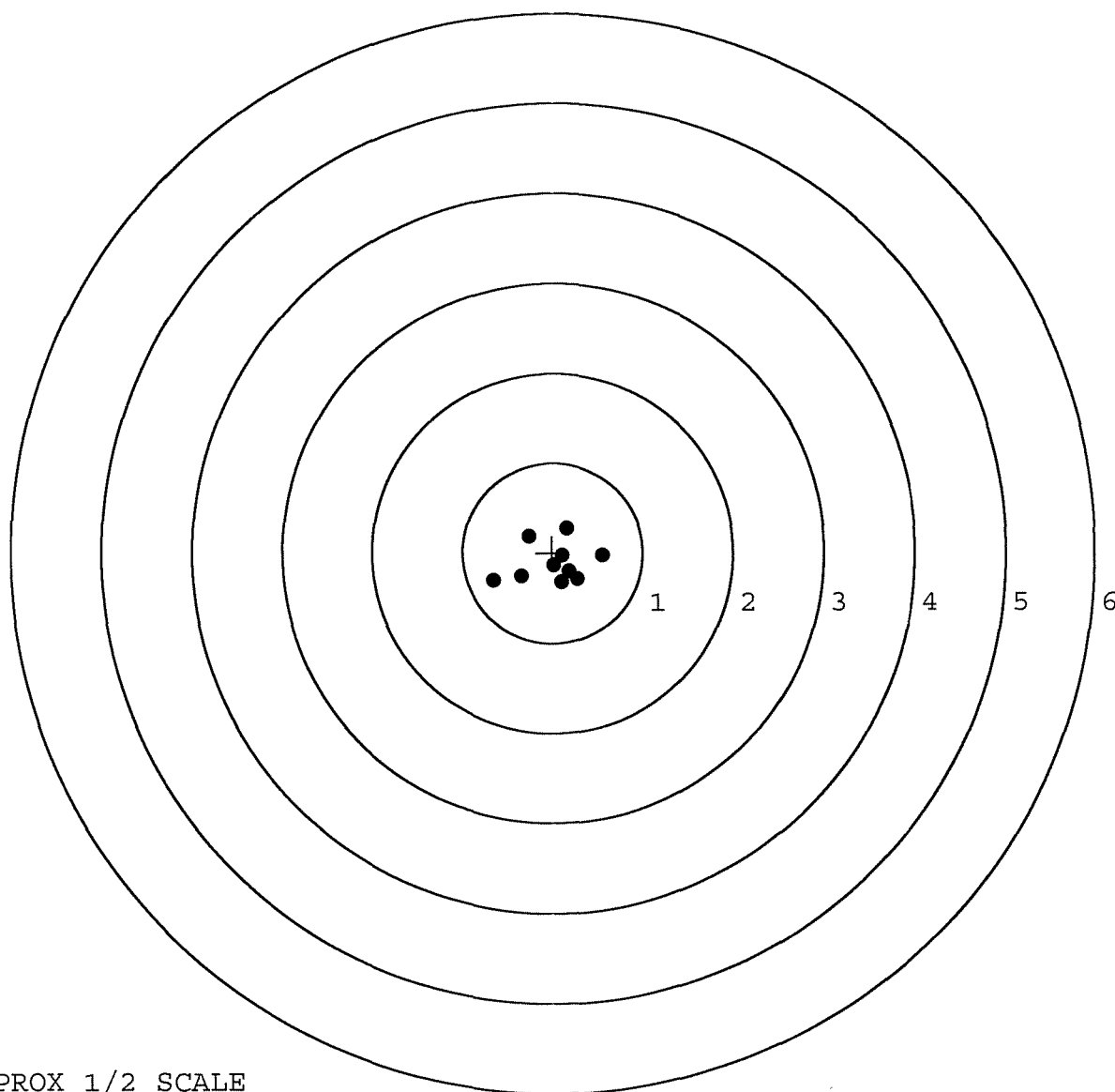
MEAN RADIUS: 0.337

IN 1 IN DIAMETER: 8

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.558	-0.031
2:	0.163	0.273
3:	-0.260	0.184
4:	-0.352	-0.263
5:	-0.656	-0.311
6:	0.106	-0.333
7:	0.279	-0.296
8:	0.186	-0.208
9:	0.017	-0.143
10:	0.112	-0.036



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225262. __0

TARGET NUMBER: 3

FILE DATE: 10/09/2002

FILE TIME: 13:48

X CENTROID: -0.078

Y CENTROID: 0.077

POA TO CENTROID: 0.109

HORZ SPREAD: 1.378

VERT SPREAD: 1.084

GROUP SPREAD: 1.395

MIN RADIUS: 0.086

MAX RADIUS: 0.780

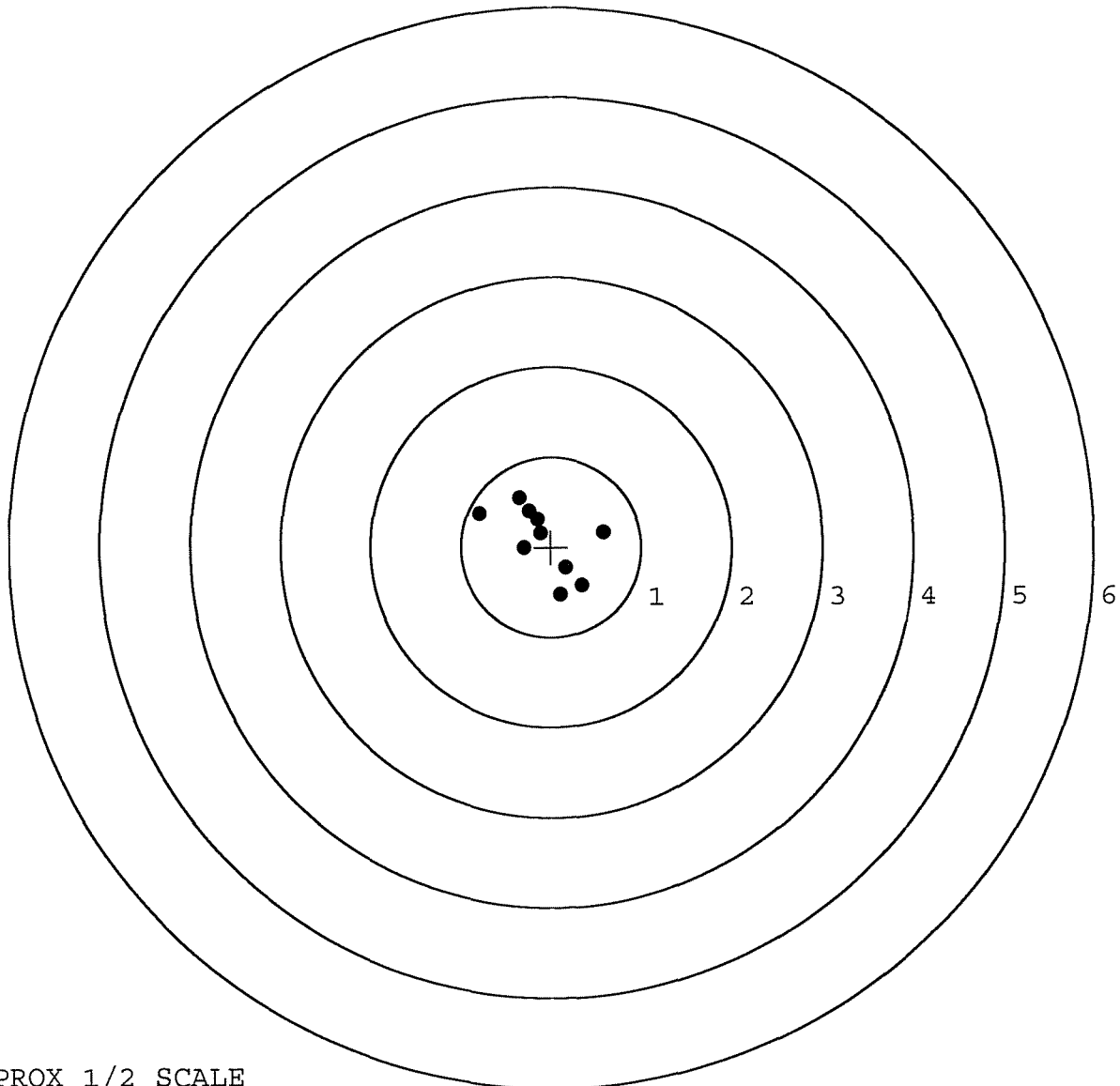
MEAN RADIUS: 0.461

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.580	0.167
2:	-0.798	0.377
3:	0.101	-0.531
4:	0.344	-0.424
5:	0.165	-0.227
6:	-0.303	-0.007
7:	-0.115	0.154
8:	-0.150	0.307
9:	-0.246	0.401
10:	-0.356	0.553

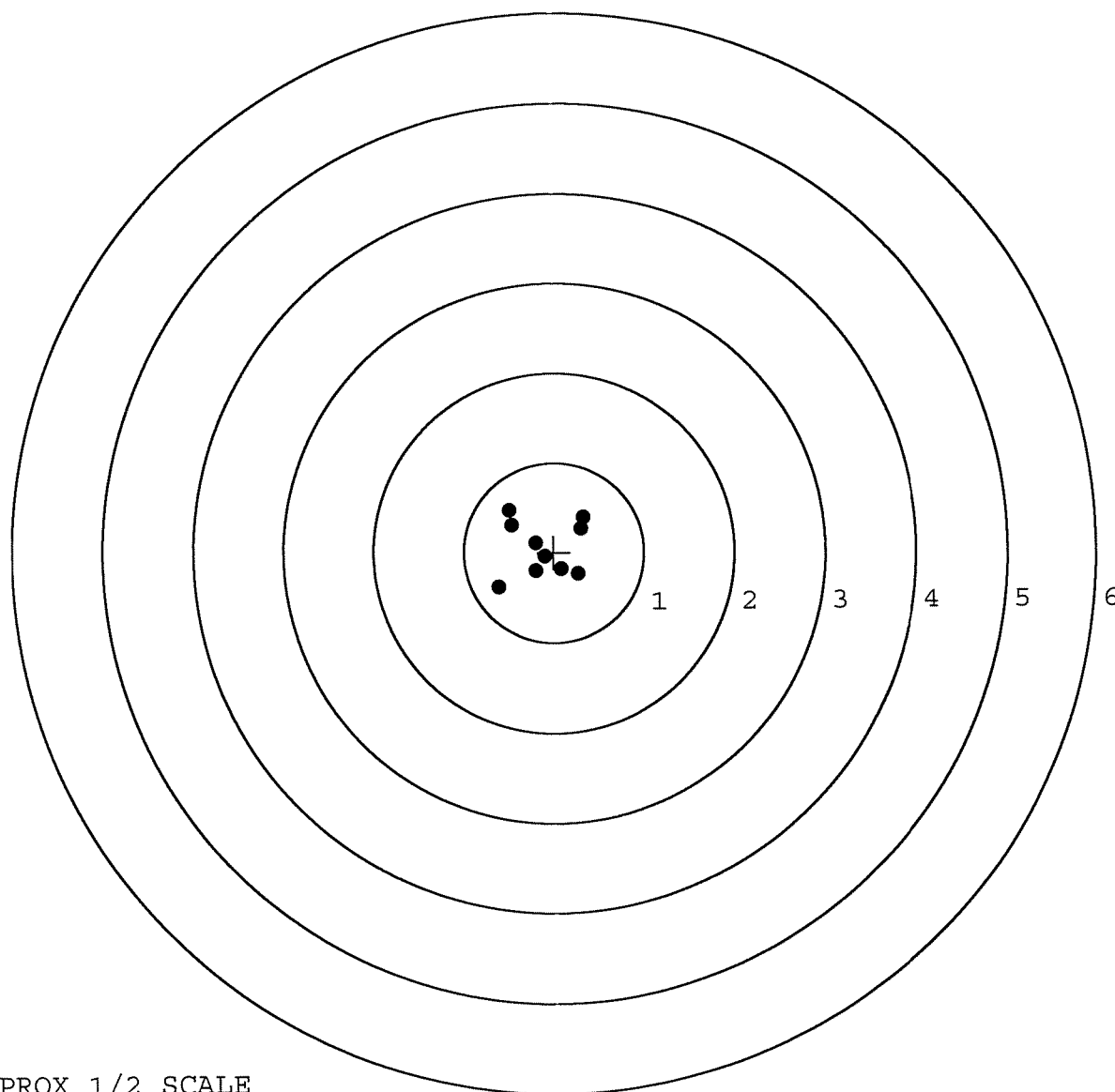


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225262. 0
 TARGET NUMBER: 4
 FILE DATE: 10/09/2002
 FILE TIME: 13:48

X CENTROID: -0.112
 Y CENTROID: 0.045
 POA TO CENTROID: 0.121
 HORZ SPREAD: 0.951
 VERT SPREAD: 0.858
 GROUP SPREAD: 1.228
 MIN RADIUS: 0.098
 MAX RADIUS: 0.667
 MEAN RADIUS: 0.397
 # IN 1 IN DIAMETER: 7
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.332	0.390
2:	0.300	0.265
3:	-0.472	0.306
4:	-0.498	0.471
5:	0.271	-0.240
6:	0.081	-0.192
7:	-0.619	-0.387
8:	-0.204	-0.208
9:	-0.102	-0.052
10:	-0.206	0.101



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225262. __0

TARGET NUMBER: 5

FILE DATE: 10/09/2002

FILE TIME: 13:48

X CENTROID: -0.033

Y CENTROID: -0.008

POA TO CENTROID: 0.033

HORZ SPREAD: 1.297

VERT SPREAD: 0.473

GROUP SPREAD: 1.333

MIN RADIUS: 0.056

MAX RADIUS: 0.686

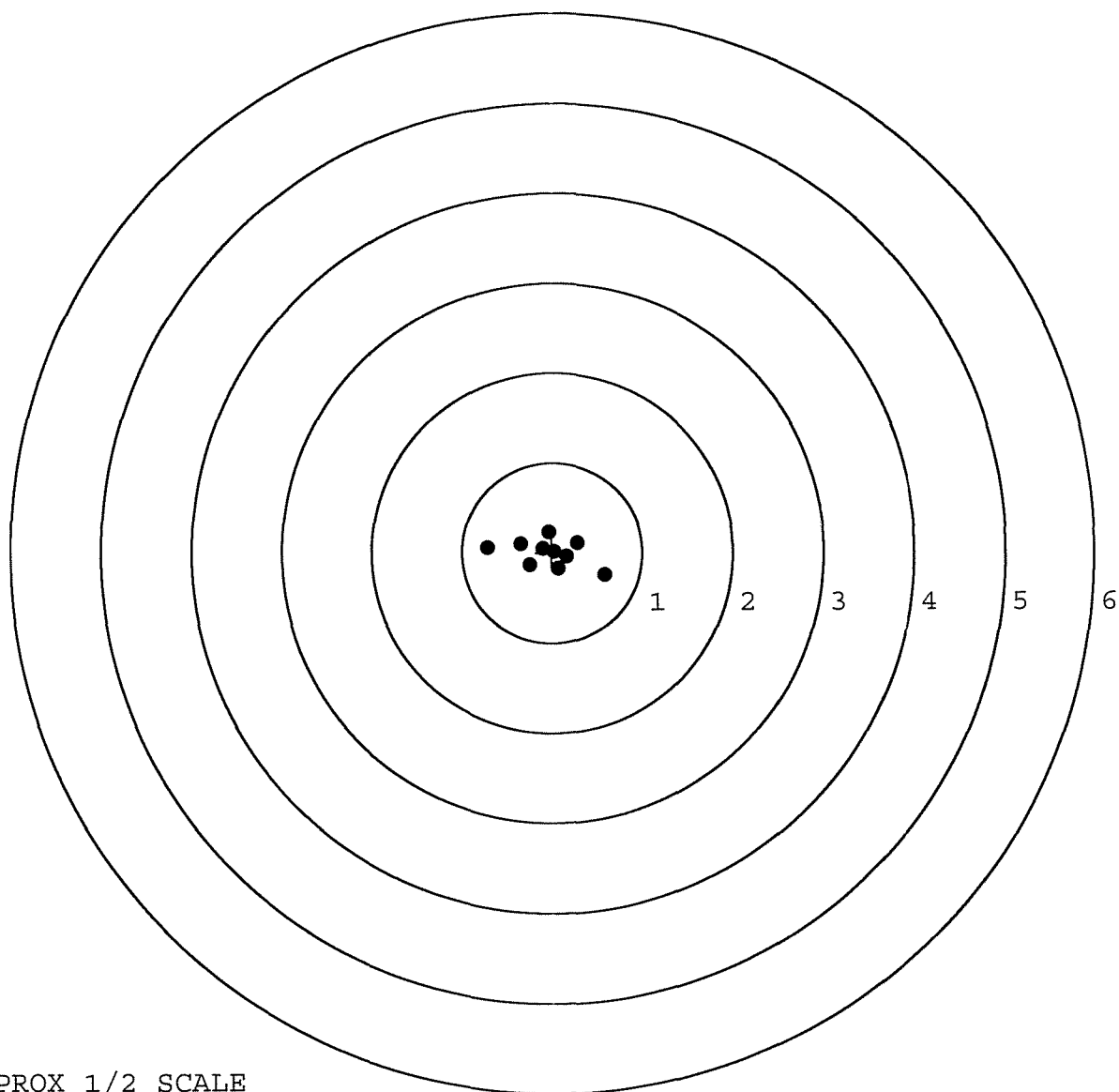
MEAN RADIUS: 0.305

IN 1 IN DIAMETER: 8

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.582	-0.248
2:	-0.715	0.059
3:	0.284	0.113
4:	0.072	-0.181
5:	-0.248	-0.143
6:	-0.038	0.225
7:	-0.348	0.100
8:	-0.101	0.044
9:	0.021	0.007
10:	0.165	-0.052



TARGET APPROX 1/2 SCALE

Final Inspection

In: C6225262

DATE REC'D: 9/18/02

DATE RET'D: 10/10/02

WRITER: RL

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: _____

R & E NUMBER	52517		
SERIAL NUMBER	C6225262		
LOG-IN DATE	9/18/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9/20/02	RL
560 A	RE-BARREL	9/20/02	JA
B	DRILL AND TAP	9-21-02	AC
575	ASSEMBLE	9/24/02	RL
600	PROOF	9-25-02	AC
605	CHECK HEADSPACE	9-25-02	AC
610	DIS-ASSEMBLE GUN	9/24/02	RL
612	MAGNAFLUX	9/24/02	RL
615	ROLLMARK CALIBER	9/27/02	TU
618	ROTO-BLAST	9/30/02	KO
620	APPLY COATINGS	10-5	TH
625 A	FINAL ASSEMBLY	10/7/02	RW
B	TRIGGER PULL TEST	N/A	
C	SAFETY "ON" FORCE	N/A	
D	SAFETY "OFF" FORCE	N/A	
E	FIRING PIN INDENT		
640	TARGET	10-8-02	TRW
655	FINAL INSPECT	10/11/02	RL
660	PACK	10-15-02	JA
		SHIP DATE	
	QAR INSPECTION DATE		




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

MODEL 700™ M24

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

SERIAL NO.
C6225262

ORDER NO.
5716

Ø1

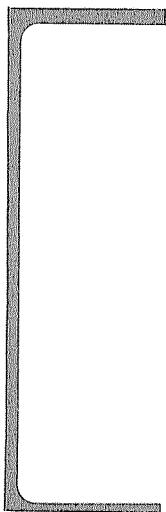


5716 C6225262

UPC



0 47700 25716 7



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225262

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 21	89	RW
600	Proof	4 21	89	RW
607	Check Headspace	4 21	89	RW
610	Dis-assemble Gun	4 21	89	RW
612	Magnaflux Barrel Action		4/26	KCR
	Magnaflux Bolt		4/27	KCR
615	Rollmark Caliber		4/27	LS
617	Drill and Tap Sight Holes	4 27	89	LB
618	Polish Barrel RB	4 27	89	BT
620	Apply Coatings (Barrel Action)		5/28/89	LS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/17/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/17/89	RW
	C) Inspect Ejector Hole for Chamfer		5/17/89	RW
	D) Oil Firing Pin Ass'y		5/17/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/24/89	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/24/89	921
	G) Safety Off Force	3	3	3			5/24/89	921
	H) Trigger Pull Test & Retainability						5/24/89	WB
	I) Firing Pin Indent	.021	.021	.021			5/24/89	921
	J) Assemble Stock						5/25/89	RW
	K) Assemble Swivel Studs						30 May 89	921
	L) Attach Front and Rear Sight Assemblies						5/25/89	RW
	M) Iron Sight Alignment						5/25/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/25/89	RW
	O) Attach Scope to Rifle						5/25/89	WB
	P) Detach & Attach Scope 20 Times						5/25/89	WB
640	Gallery Target & Test	47R	107L				5-25-89	AC
	A) Time						11	AC
	B) Malfunctions						11	AC
	C) Pierced Primers						11	AC
	D) Optical Clarity of Scope						11	AC
645	Inspect for Live Ammo						5-25-89	AC
655	Final Inspection							
	A) Headspace						30 May 89	921
	B) Trigger Pull	2.18	2.04	2.05	2.16	2.08	30 May 89	921
	C) Function						30 May 89	921
660	Pack						20 June 89	921

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6775262DATE 5/24/89TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.25	2.38	2.18	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.40	2.39	2.04	
PULL #3	2.40	2.25	2.16	2.05	
PULL #4	2.52	2.20	2.44	2.16	
PULL #5	2.45	2.21	2.27	2.08	
TOTAL	12.23	11.31	11.64	10.53	
AVG.	2.44	2.26	2.33	2.106	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.01	3.00		
PULL #2	3.14	3.20		
PULL #3	3.11	3.11		
PULL #4	3.17	3.20		
PULL #5	3.26	3.13		
TOTAL	15.69	15.64		
AVG.	3.14	3.13		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.16		4.06
PULL #2	4.16	4.22		4.09
PULL #3	4.14	4.15		4.06
PULL #4	4.08	4.05		4.15
PULL #5	4.05	4.07		4.04
TOTAL	20.60	20.65		20.40
AVG.	4.12	4.13		4.08

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225262
25 May 1989

CENTROIDAL DISTANCES

0 TO	1	.963436
1 TO	2	1.18411
1 TO	3	1.27578
1 TO	4	.908009
1 TO	5	.544405

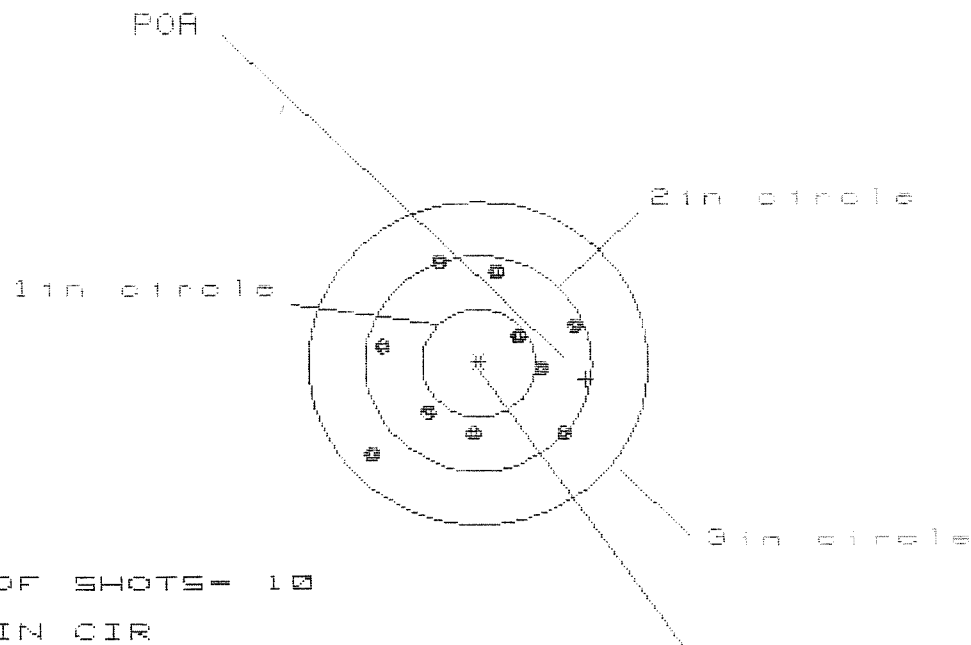
1 5 4 2 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1892
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0204
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .190297
THE AMR FOR THIS RIFLE IS: .8646

25 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C82252B2

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 1

2in = 7

3in = 10

HS = 1.746

VS = 1.798

GS = 2.125

CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.810	.707	.650
MINIMUM X	:	-.935	-.994	-1.050
MAXIMUM Y	:	.963	.870	.901
MINIMUM Y	:	-.835	-.764	-.655
CENTROID X	:	-.952	-.848	-.791
CENTROID Y	:	.148	.241	.132
POA TO CENTROID in.	:	.963	.881	.802
MIN RADIUS	:	.455	.321	.336
MEAN RADIUS	:	.819	.752	.708
MAX RADIUS	:	1.254	1.002	1.065
HORIZONTAL SPREAD	:	1.746	1.701	1.701
VERTICAL SPREAD	:	1.798	1.634	1.556
EXTREME SPREAD	:	2.125	1.968	1.841
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

25 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225262

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 5

2in = 7

3in = 7

HS= 2.732

VS= 2.731

GS= 3.330

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.604	.595	.476
MINIMUM X	:	-1.128	-.950	-.385
MAXIMUM Y	:	1.143	1.059	.691
MINIMUM Y	:	-1.588	-1.672	-1.540
CENTROID X	:	.157	-.021	.098
CENTROID Y	:	-.267	-.183	-.315
POA TO CENTROID in.	:	.310	.184	.330
MIN RADIUS	:	.264	.219	.334
MEAN RADIUS	:	.847	.716	.651
MAX RADIUS	:	1.775	1.673	1.548
HORIZONTAL SPREAD	:	2.732	1.545	.861
VERTICAL SPREAD	:	2.731	2.731	2.231
EXTREME SPREAD	:	3.330	2.881	2.243
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		7	

25 May 1999

FILE:/PATTERNING/CENTERFIRE_PATT/08225262

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.260

VS= 2.526

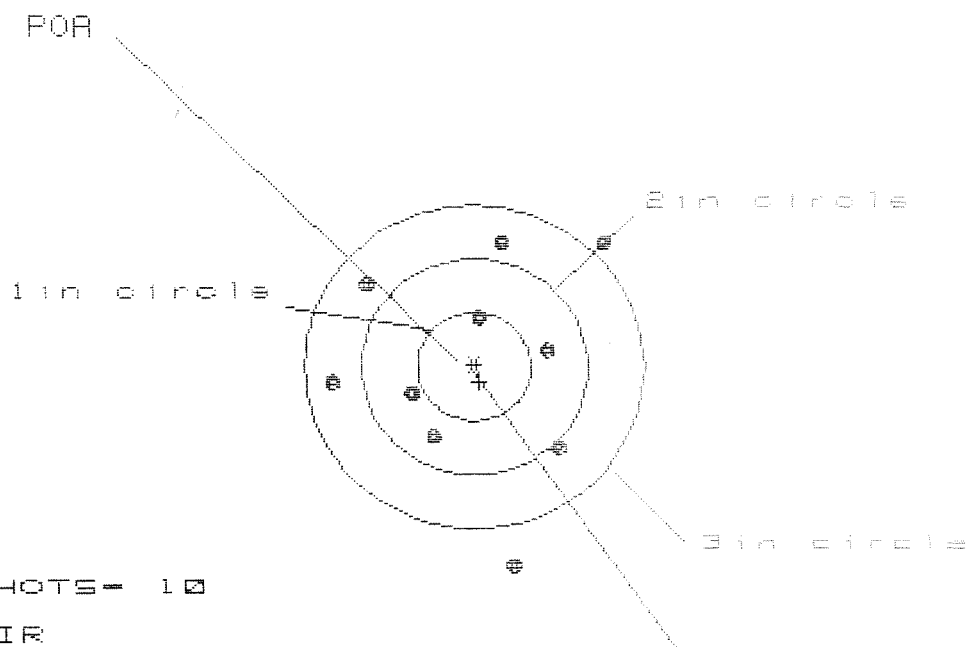
GS= 2.545

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.804	.818	.766
MINIMUM X	:	-.456	-.442	-.494
MAXIMUM Y	:	1.095	.936	1.048
MINIMUM Y	:	-1.431	-1.023	-.911
CENTROID X	:	.301	.287	.339
CENTROID Y	:	-.092	.067	-.045
POA TO CENTROID in.	:	.315	.295	.342
MIN RADIUS	:	.147	.280	.187
MEAN RADIUS	:	.800	.728	.682
MAX RADIUS	:	1.437	1.024	1.071
HORIZONTAL SPREAD	:	1.260	1.260	1.260
VERTICAL SPREAD	:	2.526	1.959	1.959
EXTREME SPREAD	:	2.545	1.982	1.982
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

25 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225262

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS = 2.406

VS = 3.009

GS = 3.088

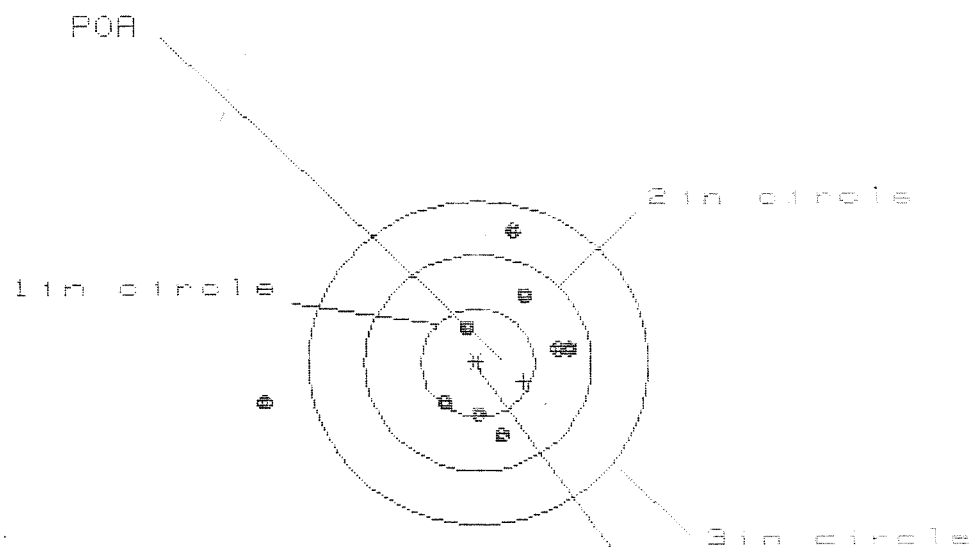
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.134	1.173	.900
MINIMUM X	:	-1.272	-1.233	-1.087
MAXIMUM Y	:	1.147	.940	1.054
MINIMUM Y	:	-1.862	-1.000	-.886
CENTROID X	:	-.044	-.083	-.229
CENTROID Y	:	.144	.351	.237
POA TO CENTROID in.	:	.151	.361	.330
MIN RADIUS	:	.442	.250	.422
MEAN RADIUS	:	1.060	.946	.870
MAX RADIUS	:	1.894	1.489	1.263
HORIZONTAL SPREAD	:	2.406	2.406	1.987
VERTICAL SPREAD	:	3.009	1.940	1.940
EXTREME SPREAD	:	3.088	2.708	2.274
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

25 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/062252B2

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS= 2.724

VS= 1.884

GS= 2.776

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.832	.622	.633
MINIMUM X	:	-1.892	-.499	-.487
MAXIMUM Y	:	1.226	1.179	.695
MINIMUM Y	:	-.658	-.705	-.557
CENTROID X	:	-.408	-.198	-.210
CENTROID Y	:	.169	.216	.068
POA TO CENTROID in.	:	.442	.292	.220
MIN RADIUS	:	.307	.368	.469
MEAN RADIUS	:	.797	.655	.572
MAX RADIUS	:	1.938	1.183	.722
HORIZONTAL SPREAD	:	2.724	1.121	1.121
VERTICAL SPREAD	:	1.884	1.884	1.252
EXTREME SPREAD	:	2.776	1.885	1.260
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	