

C6225456

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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: **RE00139816**

 Serial: C6225456 Model M24 SWS Center Fire
 Caliber: 6.25 NATO Produced: 03/21/1983

Repairman:

Verify Repair

Status: Closed 1/15/2008 5:21:01 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: 8TH DESERT STORM

8TH DESERT STORM

Address 1: ISD ARMSROOM

ISD ARMSROOM

Address 2: BLDG 5210 BAY DOOR #30

PO Box:

BLDG 5210 BAY DOOR #30

PO Box:

City: FORT CAMPBELL

FORT CAMPBELL

State: KY

Zip Code: 42223

Country: US

State: KY

Zip Code: 42223

Country: US

FFL:

Contact / Condition
Problems
Estimate
History / Status
Shipping / Billing
Contact Information
Received Condition
Accessories Received

Phone: NN

Fair

Fax:

Condition:

Email:

Notes:

Comments:

CSR:

Notes:

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search
Refresh
Close

nagletj

1/16/2008

9:17 AM

NUM

 Serial Number: **C6225456**

 Model: **M24 SWS**

RE00139816

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225456.__0
FILE DATE AND TIME: 02/01/2008 09:15

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.023
The Average Y Centroid of the Five Target Set:	-0.036
The Average Point of Impact of the Five Target Set:	0.043
The Average Mean Radius of the Five Target Set:	0.669
The Distance from POA to Centroid Target #1:	0.272
The Distance from Centroid Target #2 to Centroid Target #1:	0.364
The Distance from Centroid Target #3 to Centroid Target #1:	0.243
The Distance from Centroid Target #4 to Centroid Target #1:	0.582
The Distance from Centroid Target #5 to Centroid Target #1:	0.153

BARBER - M24 0061198

SERIAL NUMBER: C6225456. __0

TARGET NUMBER: 1

FILE DATE: 02/01/2008

FILE TIME: 09:15

POINT#	X	Y
1:	-0.387	0.595
2:	0.821	0.470
3:	0.638	-0.914
4:	0.039	-0.938
5:	-0.292	-0.793
6:	-0.119	-1.091
7:	-0.310	-0.154
8:	0.131	-0.119
9:	0.149	0.203
10:	-0.089	0.088

X CENTROID: 0.058

Y CENTROID: -0.265

POA TO CENTROID: 0.272

HORZ SPREAD: 1.208

VERT SPREAD: 1.686

GROUP SPREAD: 1.822

MIN RADIUS: 0.163

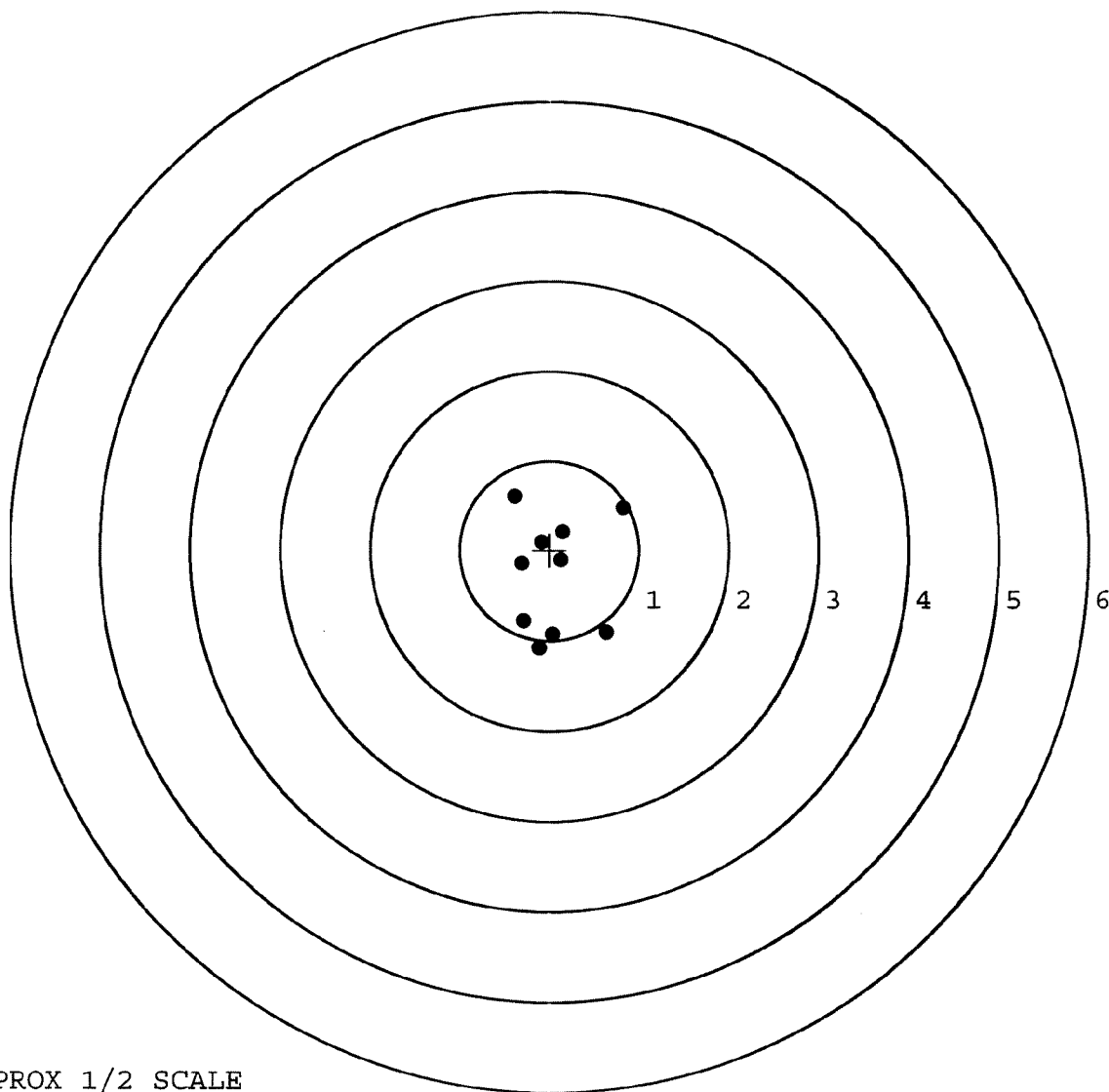
MAX RADIUS: 1.060

MEAN RADIUS: 0.646

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0061199

SERIAL NUMBER: C6225456. __0

TARGET NUMBER: 2

FILE DATE: 02/01/2008

FILE TIME: 09:15

POINT#	X	Y
--------	---	---

1:	-2.494	-0.794
----	--------	--------

2:	-0.272	0.534
----	--------	-------

3:	-0.778	-0.395
----	--------	--------

4:	-0.640	-0.109
----	--------	--------

5:	-0.264	-0.091
----	--------	--------

6:	0.120	-0.284
----	-------	--------

7:	0.855	0.128
----	-------	-------

8:	0.443	0.370
----	-------	-------

9:	0.409	0.096
----	-------	-------

10:	0.268	0.049
-----	-------	-------

X CENTROID: -0.235

Y CENTROID: -0.050

POA TO CENTROID: 0.240

HORZ SPREAD: 3.349

VERT SPREAD: 1.328

GROUP SPREAD: 3.474

MIN RADIUS: 0.050

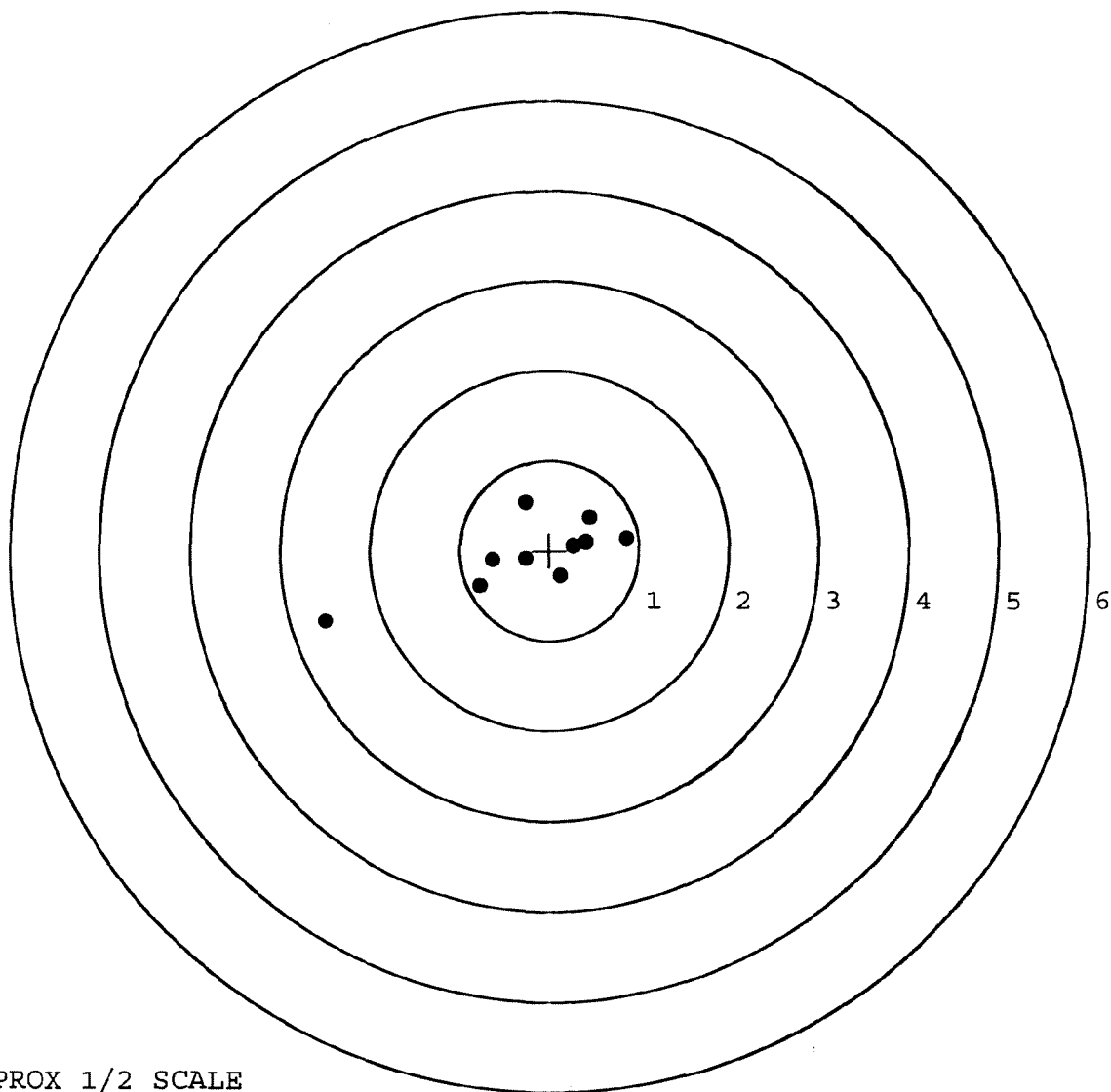
MAX RADIUS: 2.378

MEAN RADIUS: 0.757

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0061200

SERIAL NUMBER: C6225456. __0

TARGET NUMBER: 3

FILE DATE: 02/01/2008

FILE TIME: 09:15

POINT#	X	Y
1:	-0.056	-0.963
2:	0.028	-0.713
3:	-0.329	-0.470
4:	-0.391	-0.220
5:	-0.347	0.527
6:	0.020	0.490
7:	0.429	0.439
8:	0.509	0.203
9:	1.171	0.127
10:	0.957	-0.088

X CENTROID: 0.199

Y CENTROID: -0.067

POA TO CENTROID: 0.210

HORZ SPREAD: 1.562

VERT SPREAD: 1.490

GROUP SPREAD: 1.641

MIN RADIUS: 0.411

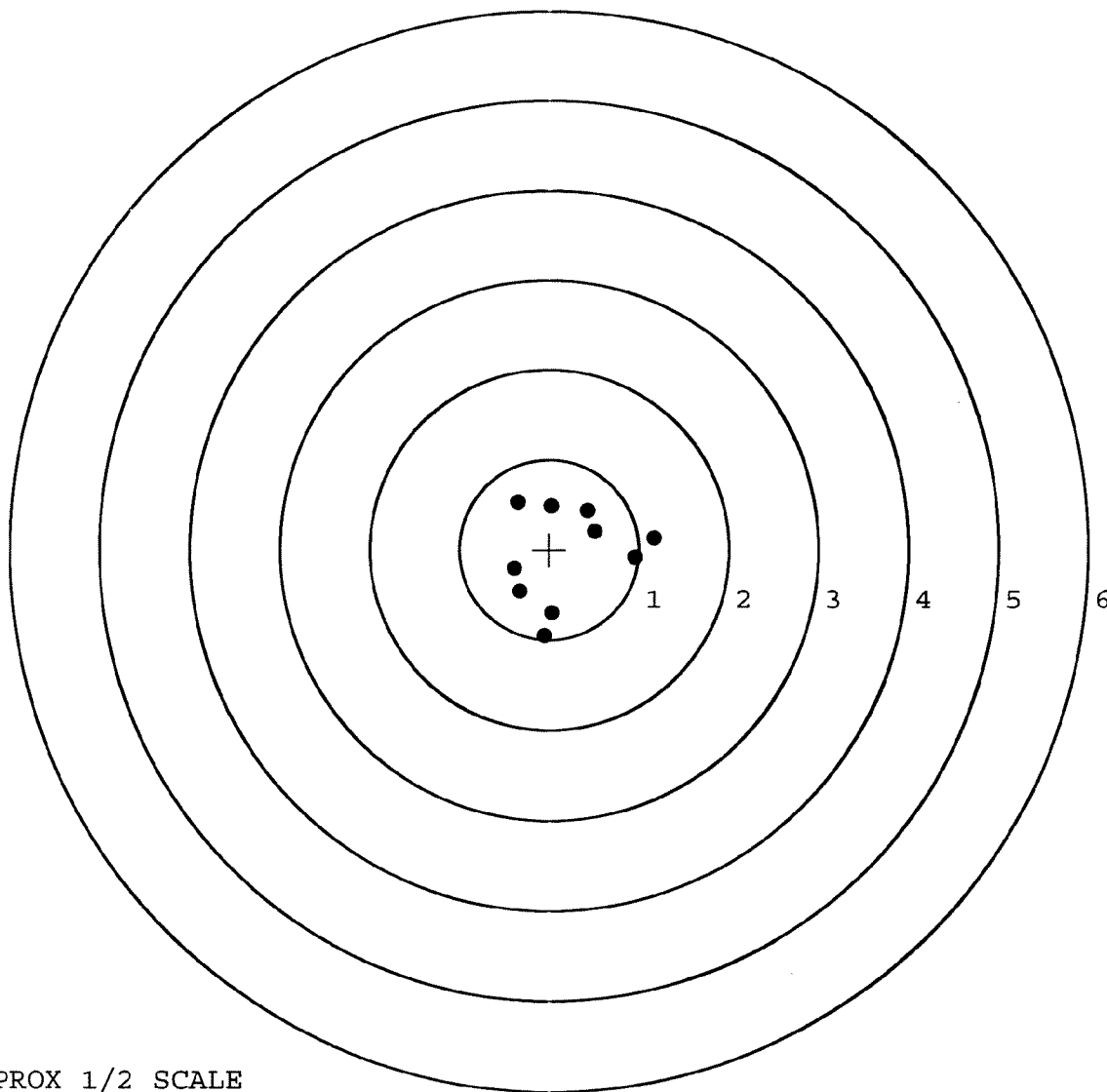
MAX RADIUS: 0.991

MEAN RADIUS: 0.698

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0061201

SERIAL NUMBER: C6225456. __0

TARGET NUMBER: 4

FILE DATE: 02/01/2008

FILE TIME: 09:15

POINT#	X	Y
1:	0.324	-0.627
2:	-0.063	-0.511
3:	0.500	-0.026
4:	-0.198	-0.111
5:	-0.478	0.322
6:	-0.368	1.824
7:	0.251	1.040
8:	0.406	0.817
9:	0.300	0.558
10:	-0.399	-0.132

X CENTROID: 0.027

Y CENTROID: 0.315

POA TO CENTROID: 0.317

HORZ SPREAD: 0.978

VERT SPREAD: 2.451

GROUP SPREAD: 2.547

MIN RADIUS: 0.365

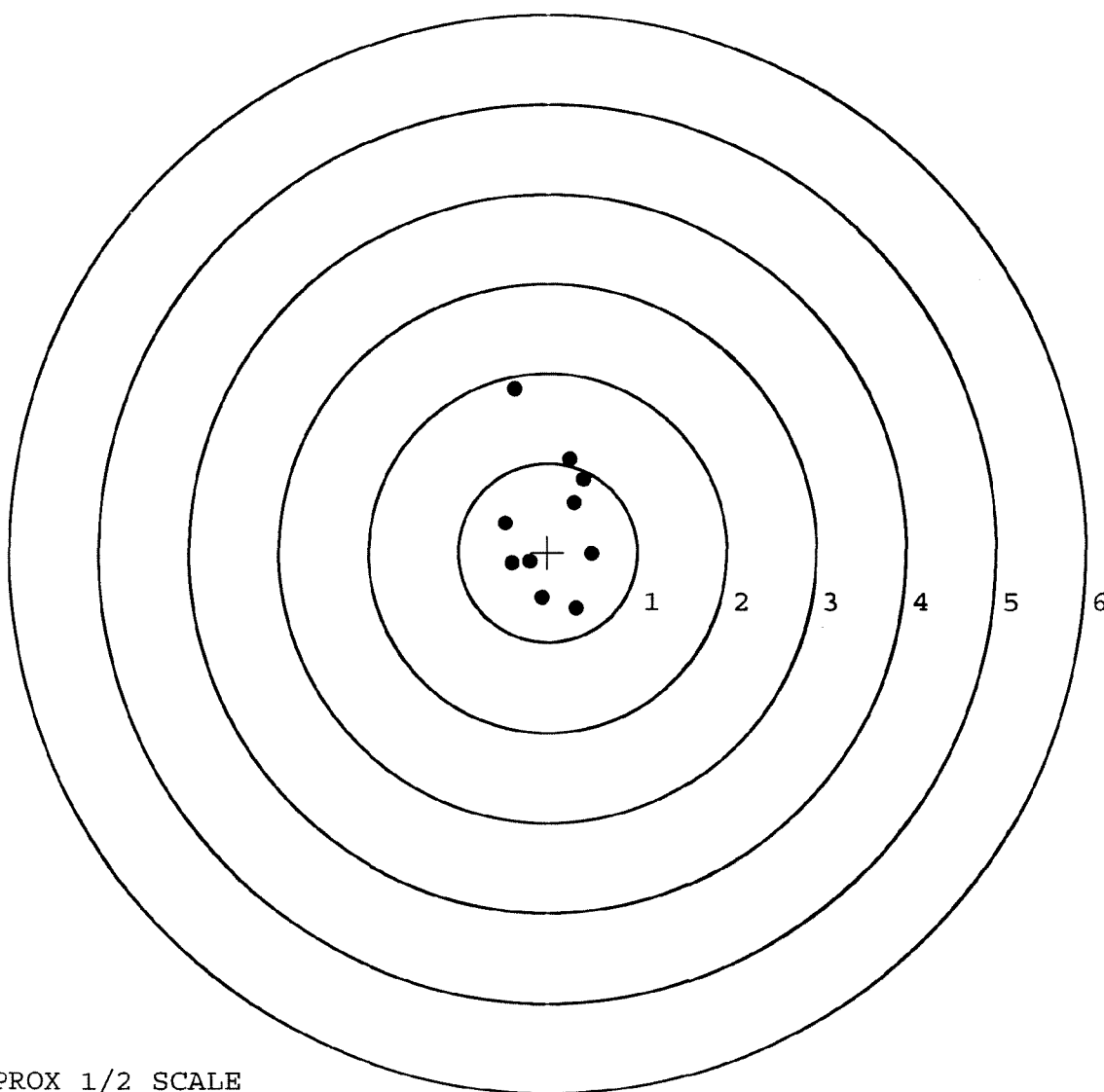
MAX RADIUS: 1.560

MEAN RADIUS: 0.732

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0061202

SERIAL NUMBER: C6225456. __0

TARGET NUMBER: 5

FILE DATE: 02/01/2008

FILE TIME: 09:15

POINT#	X	Y
1:	-0.189	-1.273
2:	0.055	-0.808
3:	0.090	-0.474
4:	0.360	-0.284
5:	0.229	0.107
6:	0.255	0.417
7:	-0.062	0.533
8:	-0.057	0.282
9:	-0.069	0.066
10:	0.066	0.306

X CENTROID: 0.068

Y CENTROID: -0.113

POA TO CENTROID: 0.132

HORZ SPREAD: 0.549

VERT SPREAD: 1.806

GROUP SPREAD: 1.810

MIN RADIUS: 0.225

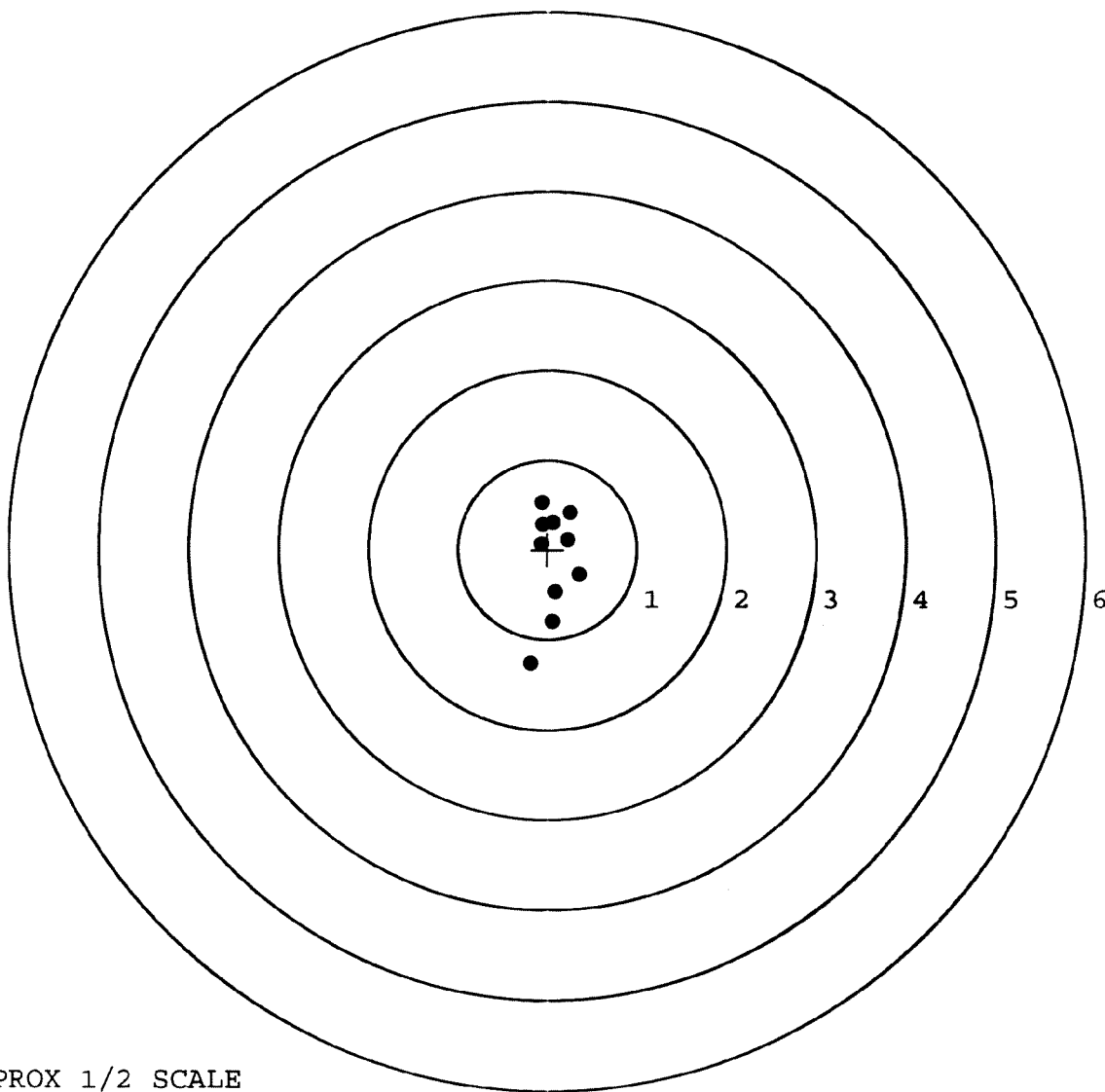
MAX RADIUS: 1.188

MEAN RADIUS: 0.514

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER		139816	
SERIAL NUMBER		C622 5456	
LOG-IN DATE		1-15-08	

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	1-21-08	RTZ
505	RE-BARREL	1-24-08	RTZ
560	ASSEMBLE	1-24-08	RTZ
600	PROOF	1-24-08	TRW
605	CHECK HEADSPACE	1-24-08	TRW
610	DIS-ASSEMBLE GUN	1-24-08	RTZ
612	MAGNAFLUX	1-25-08	JB
510	DRILL AND TAP	1-25-08	TRW
615	ROLLMARK CALIBER	1-25-08	CW
618	ROTO-BLAST	1-25-08	DG
620	APPLY COATINGS	1-29-08	CM
625	FINAL ASSEMBLY	1-30-08	P.P.D.
640	FUNCTION TEST AND	(PASS) FAIL	1-31-08 TRW
650	TARGET	(PASS) FAIL	1-31-08 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		1-31-08 RP
	A) HEADSPACE	PASS FAIL	
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	281 281 273 263 265 2508 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.2 4.0 4.0 258 DA
	G) SAFETY OFF FORCE	2 LBS MIN	4.2 4.5 4.2 258 DA
	I) FIRING PIN INDENT	.020	.020 .020 .020 25-08 DA
690	PACK		1-12-08 DA

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF

MODEL 700™ H24

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

20

SERIAL NO.
C6225456

ORDER NO.
5716

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



5716 C6225456

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225456

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	12 9 88		RW
600	Proof	12 9 88		RW
607	Check Headspace	12 9 88		RW
610	Dis-assemble Gun	12 9 88		RW
612	Magnaflux Barrel Action.		12-22-88	pk.
	Magnaflux Bolt		1-3-89	pk.
615	Rollmark Caliber		12/22/88	W.D.C.
617	Drill and Tap Sight Holes	1 3 89		FB
618	Polish Barrel	12 2 88		WJT
620	Apply Coatings (Barrel Action)		1-18-89	JH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/9/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/9/89	RW
	C) Inspect Ejector Hole for Chamfer		2/9/89	RW
	D) Oil Firing Pin Ass'y		2/9/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		14 Feb 89	JD

op. #	BARBER, M24 0061206 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			14 Feb 89	JS
	G) Safety Off Force	3	3	3			14 Feb 89	JS
	H) Trigger Pull Test & Retainability						14 Feb 89	JS
	I) Firing Pin Indent	.021	.0205	.0215			14 Feb 89	JS
	J) Assemble Stock						2/16/89	RW
	K) Assemble Swivel Studs						17 Feb 89	JS
	L) Attach Front and Rear Sight Assemblies						2/16/89	RW
	M) Iron Sight Alignment						2/16/89	RW
	N) Detach Front & Rear Sights & place in numbered container						2/16/89	RW
	O) Attach Scope to Rifle						17 Feb 89	JS
	P) Detach & Attach Scope 20 Times						17 Feb 89	JS
640	Gallery Target & Test	73	R	81	L		2/16/89	K
	A) Time							K
	B) Malfunctions					NONE		K
	C) Pierced Primers					NONE		K
	D) Optical Clarity of Scope					OK	2/16/89	K
645	Inspect for Live Ammo					NONE	2/16/89	AC
655	Final Inspection A) Headspace						17 Feb 89	JS
	B) Trigger Pull	2.46	2.46	2.53	2.54	2.52	17 Feb 89	JS
	C) Function						17 Feb 89	JS
660	Pack						23 Mar 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. 6225456DATE 4-6-80TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.37		2.32	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.42		2.34	
PULL #3	2.37	2.26		2.27	
PULL #4	2.34	2.31		2.35	
PULL #5	2.38	2.38		2.32	
TOTAL	12.08	11.66		11.60	
AVG.	2.416	2.332		2.32	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.38		
PULL #2	3.38	3.43		
PULL #3	3.41	3.41		
PULL #4	3.44	3.44		
PULL #5	3.42	3.45		
TOTAL	17.10	17.11		
AVG.	3.42	3.422		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.23		
PULL #2	4.26	4.26		
PULL #3	4.27	4.26		
PULL #4	4.24	4.24		
PULL #5	4.24	4.26		
TOTAL	21.24	21.25		
AVG.	4.248	4.25		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225456
17 Feb 1989

CENTROIDAL DISTANCES

0 TO	1	.246349
1 TO	2	.375293
1 TO	3	.0696348
1 TO	4	.145661
1 TO	5	.0382099

8 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0996
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1142
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .151532

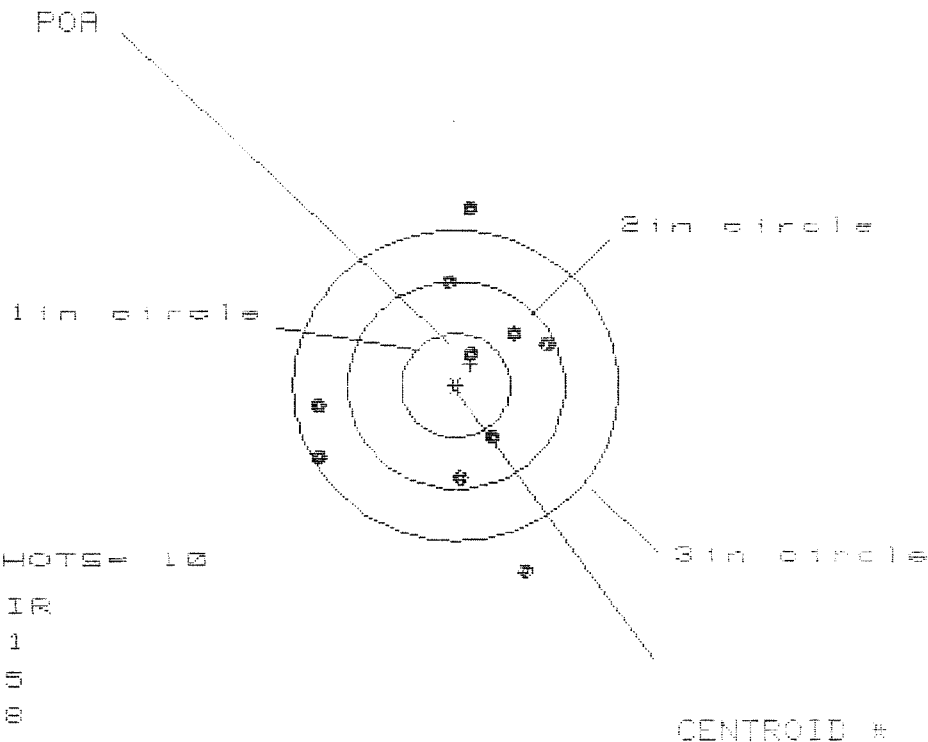
THE AMR FOR THIS RIFLE IS: .8724

17 Feb 1985

FILE:/PATTERNING/CENTERFIRE_PATT/08225458

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 8

HS = 2.022

VS = 3.467

GS = 3.510

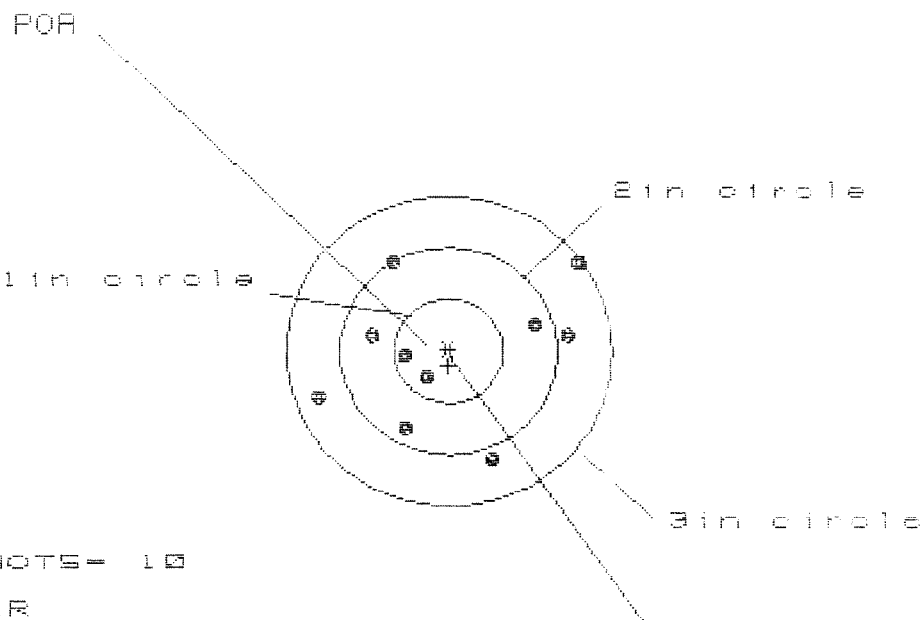
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.782	.855	.878
MINIMUM X	-1.240	-1.167	-1.144
MAXIMUM Y	1.716	1.522	1.024
MINIMUM Y	-1.751	-1.084	-.894
CENTROID X	-.132	-.205	-.228
CENTROID Y	-.208	-.014	-.204
POA TO CENTROID in.	.247	.206	.306
MIN RADIUS	.340	.222	.378
MEAN RADIUS	1.072	.967	.902
MAX RADIUS	1.870	1.533	1.353
HORIZONTAL SPREAD	2.022	2.022	2.022
VERTICAL SPREAD	3.467	2.606	1.918
EXTREME SPREAD	3.510	2.784	2.331
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

17 Feb 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06225456

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS = 2.381

VS = 1.916

GS = 2.693

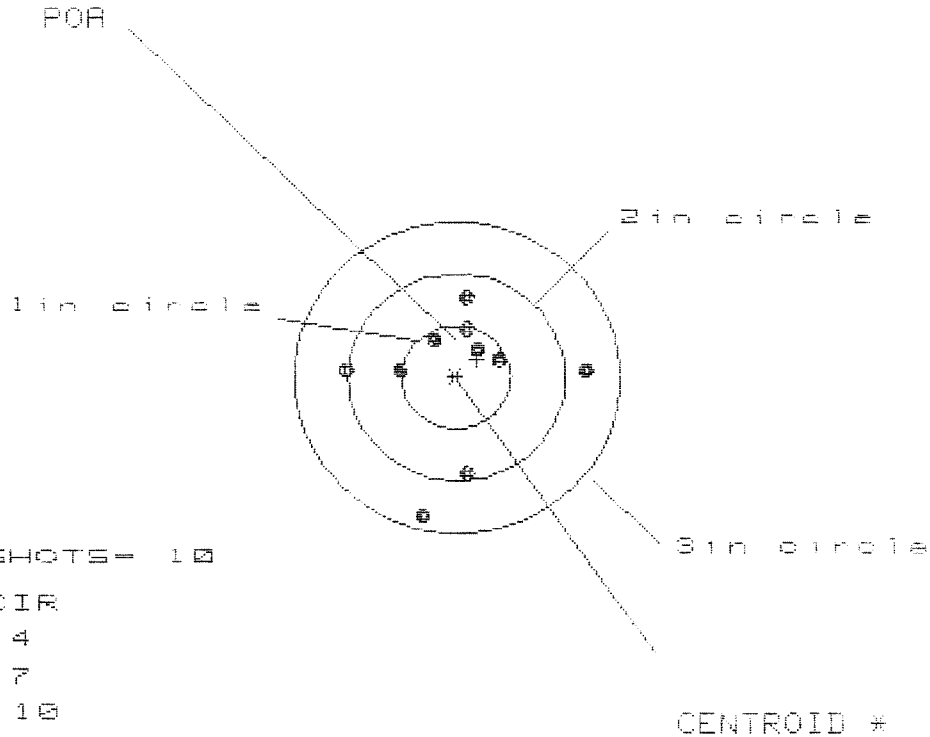
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.189	1.207	1.074
MINIMUM X	:	-1.192	-1.059	-1.693
MAXIMUM Y	:	.889	.983	.944
MINIMUM Y	:	-1.027	-.933	-.972
CENTROID X	:	.006	-.127	.006
CENTROID Y	:	.141	.047	.086
POA TO CENTROID in.	:	.141	.135	.087
MIN RADIUS	:	.315	.154	.283
MEAN RADIUS	:	.899	.797	.780
MAX RADIUS	:	1.460	1.238	1.100
HORIZONTAL SPREAD	:	2.381	2.266	1.767
VERTICAL SPREAD	:	1.916	1.916	1.916
EXTREME SPREAD	:	2.693	2.343	2.106
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225456

CENTERFIRE PATTERNS # 3



HS= 2.209

VS= 2.086

GS= 2.209

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.165
MINIMUM X	-1.044
MAXIMUM Y	.746
MINIMUM Y	-1.340
CENTROID X	-.189
CENTROID Y	-.168
POA TO CENTROID in.	.253
MIN RADIUS	.379
MEAN RADIUS	.747
MAX RADIUS	1.378
HORIZONTAL SPREAD	2.209
VERTICAL SPREAD	2.086
EXTREME SPREAD	2.209
NUMBER IN ONE INCH CIRCLE	4
NUMBER IN TWO INCH CIRCLE	7
NUMBER IN THREE INCH CIRCLE	10

17 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225456

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 = 10

HS = 2.042

VS = 2.072

GS = 2.420

CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.110	.975	.960
MINIMUM X	-.932	-.809	-.824
MAXIMUM Y	.944	1.042	.913
MINIMUM Y	-1.128	-1.030	-1.090
CENTROID X	-.013	-.136	-.121
CENTROID Y	-.124	-.222	-.093
POA TO CENTROID in.	.125	.260	.153
MIN RADIUS	.261	.228	.149
MEAN RADIUS	.826	.743	.686
MAX RADIUS	1.414	1.042	1.115
HORIZONTAL SPREAD	2.042	1.784	1.784
VERTICAL SPREAD	2.072	2.072	2.003
EXTREME SPREAD	2.420	2.074	2.022
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

17 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/09225456

CENTERFIRE PATTERNS # 5

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 = 1.985

VS = 1.693

GS = 2.076

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.919	.745	.625
MINIMUM X	:	-1.066	-.964	-.943
MAXIMUM Y	:	.947	.864	.834
MINIMUM Y	:	-.746	-.526	-.556
CENTROID X	:	-.170	-.272	-.152
CENTROID Y	:	-.212	-.129	-.099
POA TO CENTROID in.	:	.272	.301	.181
MIN RADIUS	:	.469	.528	.582
MEAN RADIUS	:	.818	.779	.746
MAX RADIUS	:	1.183	.999	.947
HORIZONTAL SPREAD	:	1.985	1.709	1.567
VERTICAL SPREAD	:	1.693	1.390	1.390
EXTREME SPREAD	:	2.076	1.872	1.624
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	