

BARBER - M24 0155190

G-646 1717
Replac
C-622 5163

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0155190 M2409155229

Repair Number: RE00111150	Serial: C6225192 Model M24 SWS Center Fire Caliber: 7.62 NATO	Repairman: _____	Status: Closed 4/17/2006 12:49:28 PM
Verify Repair ☐			

Address Information

Customer: ☐ Received From Name: DIRECTORATE OF LOGISTICS Address 1: SUPPLY OPERATIONS Address 2: WEAPONS WAREHOUSE PO Box: _____ City: FORT HOOD State: TX Zip Code: 76544 Country: US	Return To: ☒ Received From Name: DIRECTORATE OF LOGISTICS Address 1: SUPPLY OPERATIONS Address 2: WEAPONS WAREHOUSE PO Box: _____ City: FORT HOOD State: TX Zip Code: 76544 Country: US
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FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing
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Contact Information
 Phone: **NA**
 Fax: _____
 Email: _____
 Comments:

Received Condition
 Fair
 Condition Notes:
 CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A045	Bi Pod	1
B000	FRONT AND REAR E	1

Repair Search

Refresh

Close

naglej	4/17/2006	1:29 PM	CAPS	NUM	INS	SCRL
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3 M...
2 I...
RAC...
Ado...
Volu...
Micr...
Arm...

G646 1717 (New)

Case Number **C6225163**

Model: M24 SWS



RE00111149

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461717.___0
FILE DATE AND TIME: 03/07/2006 07:44

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

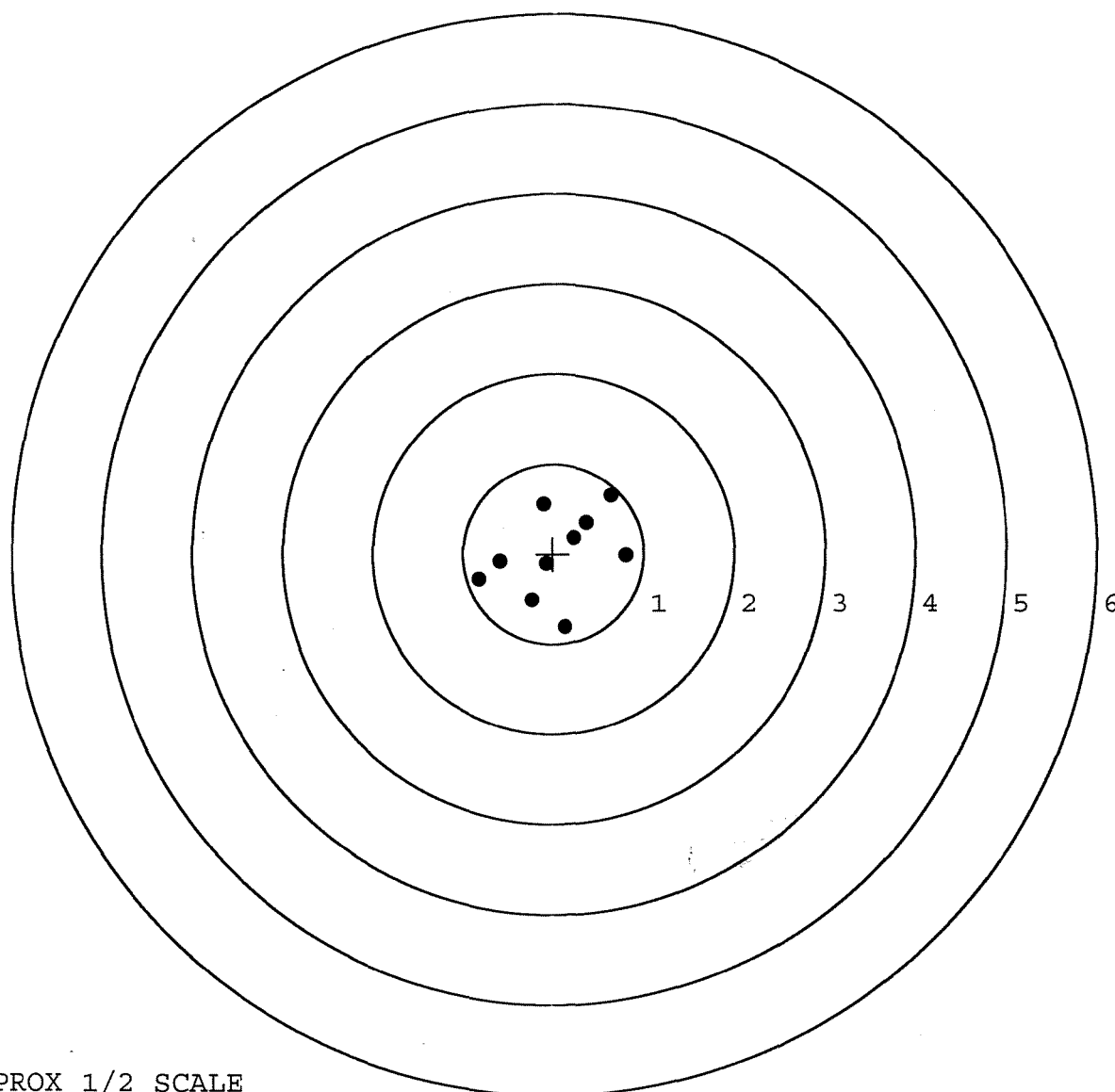
The Average X Centroid of the Five Target Set:	-0.001
The Average Y Centroid of the Five Target Set:	-0.123
The Average Point of Impact of the Five Target Set:	0.123
The Average Mean Radius of the Five Target Set:	0.742
The Distance from POA to Centroid Target #1:	0.037
The Distance from Centroid Target #2 to Centroid Target #1:	0.161
The Distance from Centroid Target #3 to Centroid Target #1:	0.093
The Distance from Centroid Target #4 to Centroid Target #1:	0.314
The Distance from Centroid Target #5 to Centroid Target #1:	0.203

BARBER - M24 0155193

SERIAL NUMBER: G6461717. __0
TARGET NUMBER: 1
FILE DATE: 03/07/2006
FILE TIME: 07:44

POINT#	X	Y
1:	0.808	-0.017
2:	0.643	0.650
3:	0.368	0.352
4:	0.233	0.179
5:	-0.113	0.547
6:	0.139	-0.818
7:	-0.236	-0.514
8:	-0.079	-0.113
9:	-0.592	-0.086
10:	-0.820	-0.283

X CENTROID: 0.035
Y CENTROID: -0.010
POA TO CENTROID: 0.037
HORZ SPREAD: 1.628
VERT SPREAD: 1.468
GROUP SPREAD: 1.735
MIN RADIUS: 0.154
MAX RADIUS: 0.898
MEAN RADIUS: 0.608
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



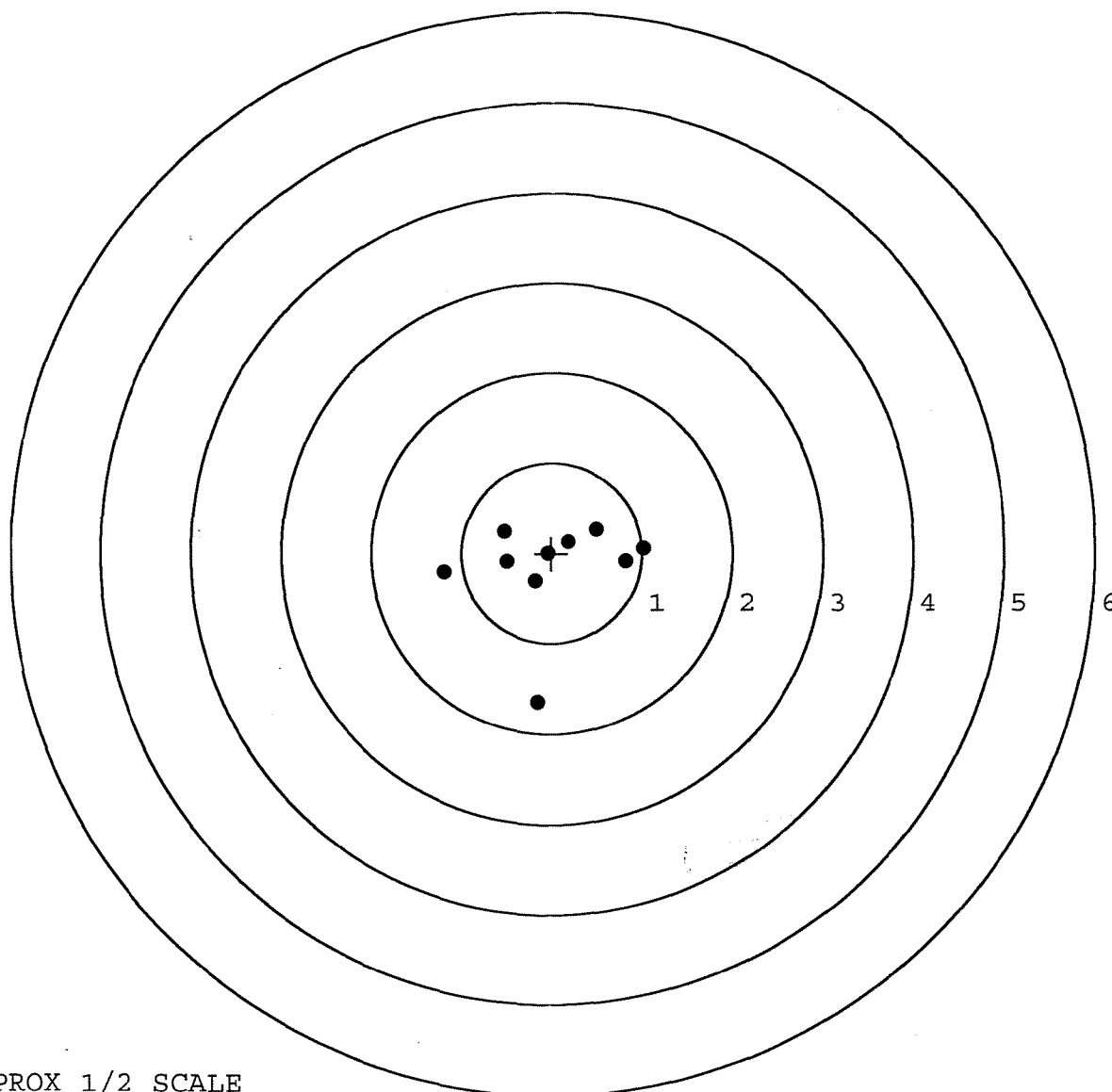
TARGET APPROX 1/2 SCALE

BARBER - M24 0155194

SERIAL NUMBER: G6461717. __0
TARGET NUMBER: 2
FILE DATE: 03/07/2006
FILE TIME: 07:44

POINT#	X	Y
1:	1.014	0.057
2:	0.824	-0.090
3:	0.504	0.267
4:	0.193	0.130
5:	-0.040	-0.001
6:	-0.182	-0.307
7:	-0.498	-0.098
8:	-0.520	0.240
9:	-1.194	-0.208
10:	-0.151	-1.655

X CENTROID: -0.005
Y CENTROID: -0.166
POA TO CENTROID: 0.167
HORZ SPREAD: 2.208
VERT SPREAD: 1.922
GROUP SPREAD: 2.071
MIN RADIUS: 0.169
MAX RADIUS: 1.496
MEAN RADIUS: 0.714
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10



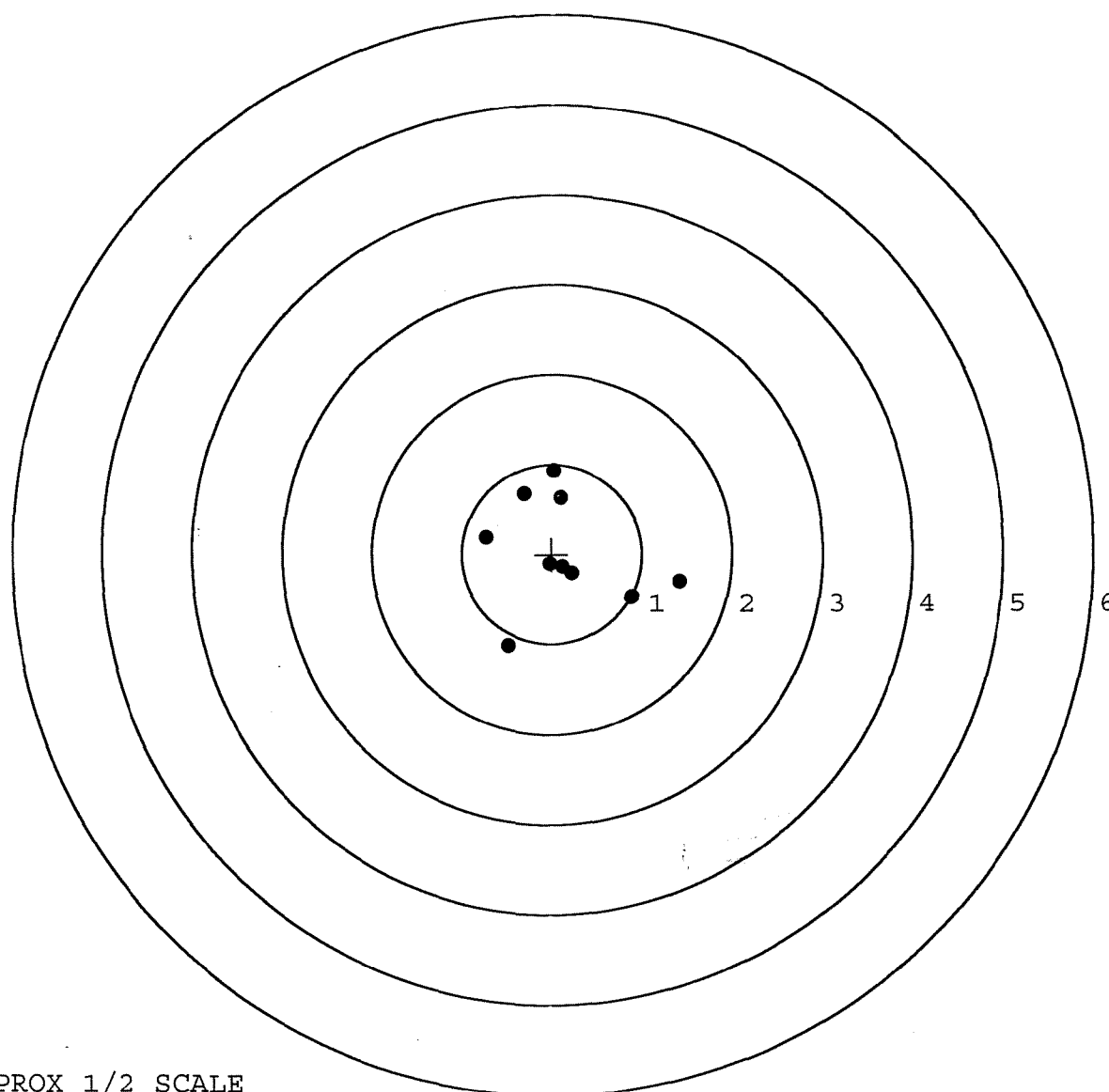
TARGET APPROX 1/2 SCALE

BARBER - M24 0155195

SERIAL NUMBER: G6461717. __0
TARGET NUMBER: 3
FILE DATE: 03/07/2006
FILE TIME: 07:44

POINT#	X	Y
1:	1.417	-0.313
2:	0.893	-0.482
3:	-0.481	-1.030
4:	0.233	-0.215
5:	0.125	-0.145
6:	-0.023	-0.112
7:	-0.727	0.192
8:	0.100	0.632
9:	-0.310	0.676
10:	0.026	0.928

X CENTROID: 0.125
Y CENTROID: 0.013
POA TO CENTROID: 0.126
HORZ SPREAD: 2.144
VERT SPREAD: 1.958
GROUP SPREAD: 2.203
MIN RADIUS: 0.158
MAX RADIUS: 1.332
MEAN RADIUS: 0.726
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0155196

SERIAL NUMBER: G6461717. __0

TARGET NUMBER: 4

FILE DATE: 03/07/2006

FILE TIME: 07:44

POINT#	X	Y
1:	1.230	0.180
2:	-0.581	0.363
3:	-0.169	0.450
4:	0.097	1.145
5:	0.081	-0.079
6:	-0.263	-0.336
7:	-0.507	-0.938
8:	-0.608	-1.098
9:	-0.402	-1.540
10:	-1.862	-0.523

X CENTROID: -0.182

Y CENTROID: -0.238

POA TO CENTROID: 0.299

HORZ SPREAD: 3.092

VERT SPREAD: 2.685

GROUP SPREAD: 3.171

MIN RADIUS: 0.127

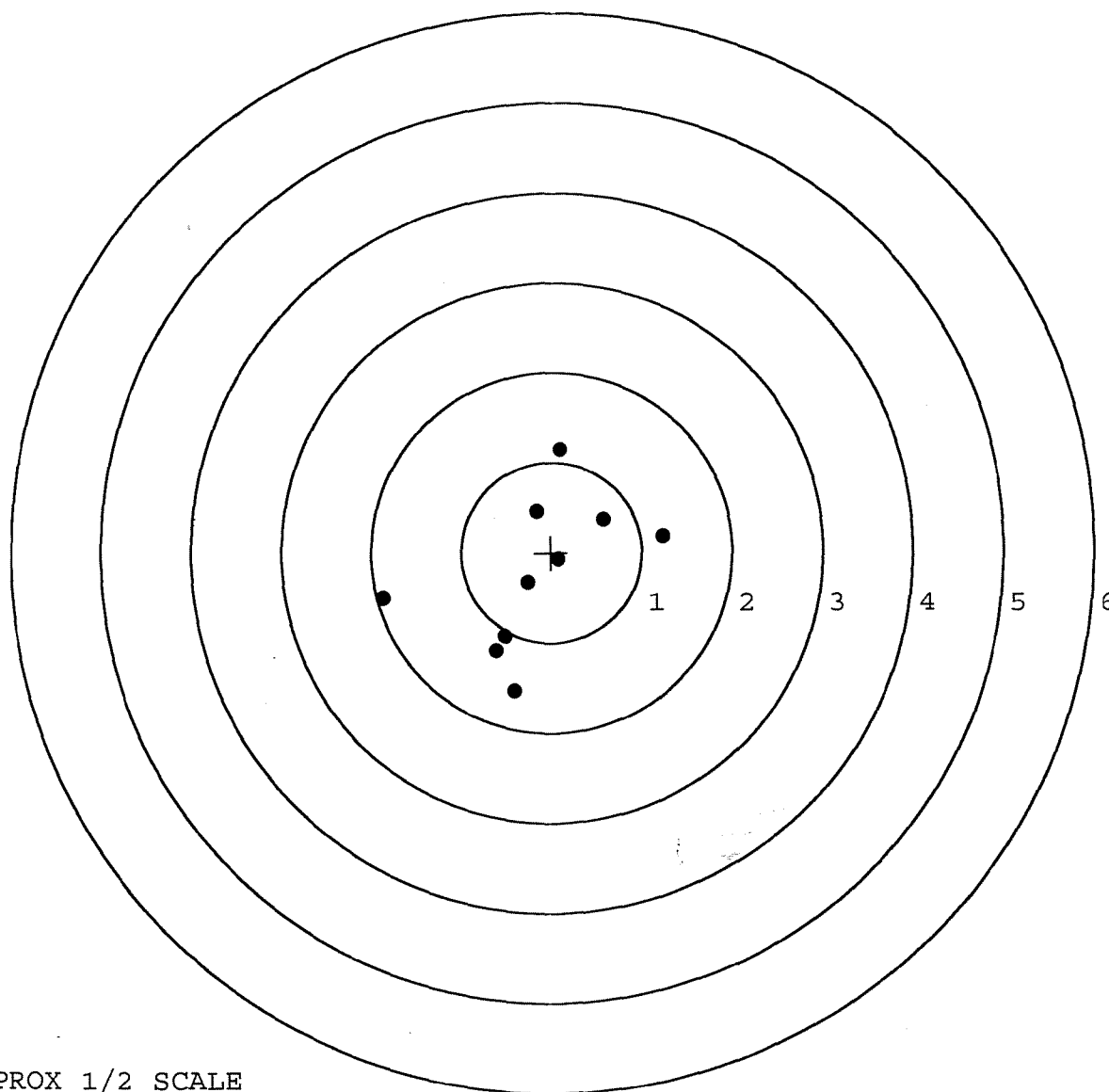
MAX RADIUS: 1.704

MEAN RADIUS: 0.973

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



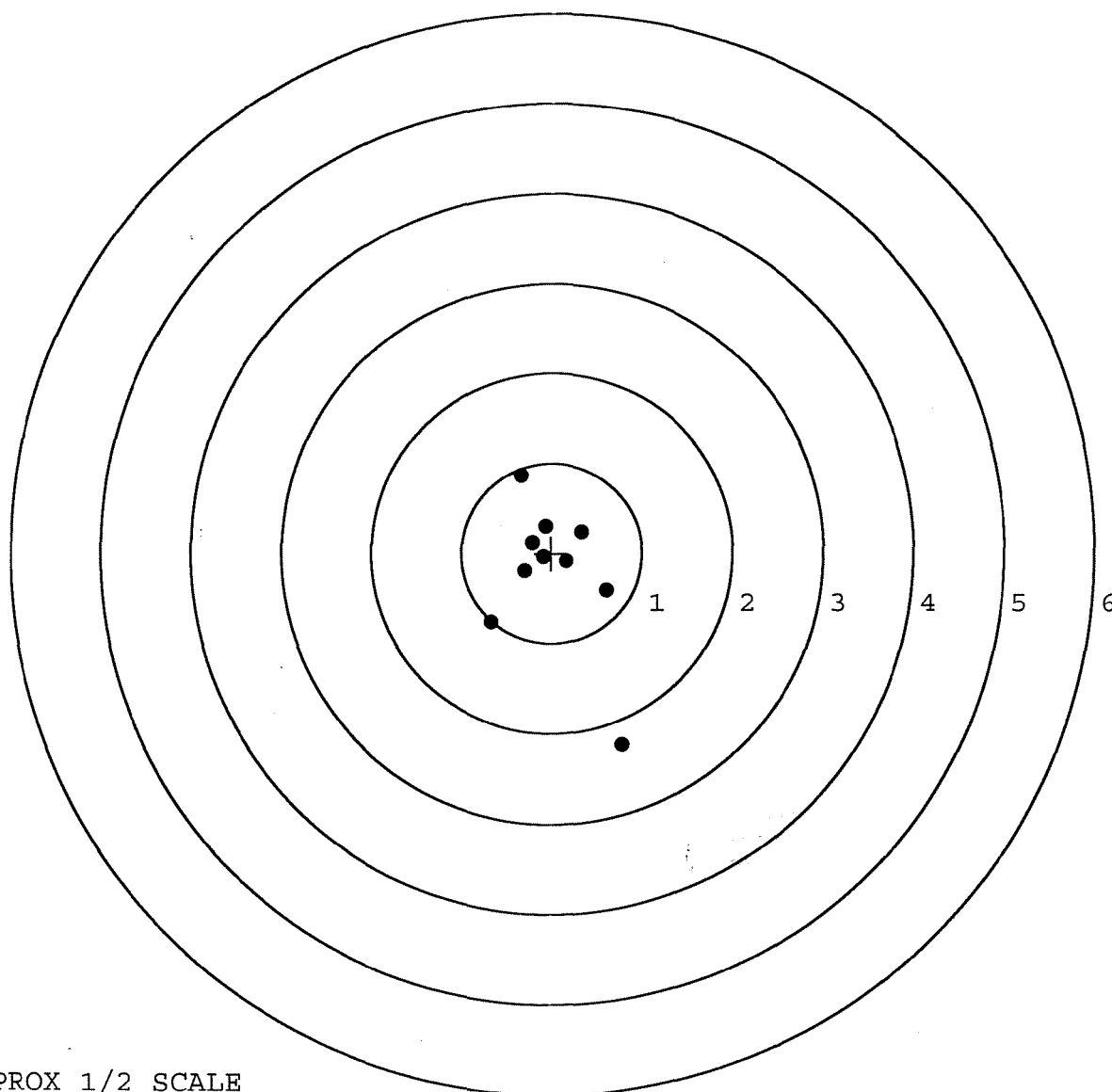
TARGET APPROX 1/2 SCALE

BARBER - M24 0155197

SERIAL NUMBER: G6461717. __0
TARGET NUMBER: 5
FILE DATE: 03/07/2006
FILE TIME: 07:44

X CENTROID: 0.022
Y CENTROID: -0.213
POA TO CENTROID: 0.214
HORZ SPREAD: 1.460
VERT SPREAD: 2.989
GROUP SPREAD: 3.194
MIN RADIUS: 0.188
MAX RADIUS: 2.062
MEAN RADIUS: 0.690
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.615	-0.407
2:	-0.672	-0.772
3:	-0.338	0.862
4:	0.336	0.238
5:	0.167	-0.093
6:	-0.299	-0.195
7:	-0.090	-0.046
8:	-0.218	0.115
9:	-0.073	0.298
10:	0.788	-2.127



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	111149		
SERIAL NUMBER	G6225763 G6461717 (New)		
LOG-IN DATE	4-17-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-18-06	RTZ
505	RE-BARREL	4-20-06	RTZ
560	ASSEMBLE	4-20-06	RTZ
600	PROOF	4-20-06	RTZ
605	CHECK HEADSPACE	4-20-06	RTZ
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX OPERATOR <u>CRD</u>	4/20/06	mmf
510	DRILL AND TAP	4-21-06	TRW
615	ROLLMARK CALIBER	5-8-06 CW	CW
618	ROTO-BLAST	5-8-06 LB	LB
620	APPLY COATINGS	5/11/06 RB	RB
625	FINAL ASSEMBLY	4-29-06	RTZ
640	FUNCTION TEST AND	PASS FAIL	6-2-06 RTZ
650	TARGET	PASS FAIL	6-7-06 mjh
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		
	A) HEADSPACE	PASS FAIL	6-26-06 BLC
	B) TRIGGER PULL	2.50 2.90 2.75 2.50 2.75	BLC
680	F) SAFETY ON FORCE	2.0 lb 2.0 lb 2.5 lb	BLC
	G) SAFETY OFF FORCE	3.0 lb 3.0 lb 3.5 lb	BLC
	I) FIRING PIN INDENT	.0225 .0225 .022	BLC
690	PACK	6-27-06	RTA

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

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

MODEL 700™ M24

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

SERIAL NO.
C6225163

ORDER NO.
5716

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

Ø1

5716 C6225163



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6225163

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	89	RW
600	Proof	4 12	89	RW
607	Check Headspace	4 12	89	RW
610	Dis-assemble Gun	4 12	89	RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		4/15/89	G.S.
617	Drill and Tap Sight Holes	4 14	89	LB
618	Polish Barrel RB	4 14	89	BT
620	Apply Coatings (Barrel Action)		4-20-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/8/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/8/89	RW
	C) Inspect Ejector Hole for Chamfer		5/8/89	RW
	D) Oil Firing Pin Ass'y		5/8/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/10/89	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/10/89	JL
	G) Safety Off Force	3	3	3			5/10/89	JL
	H) Trigger Pull Test & Retainability						5/10/89	WB
	I) Firing Pin Indent	.020.5	.020	.021			5/10/89	JL
	J) Assemble Stock						5/12/89	RW
	K) Assemble Swivel Studs						15 May 89	JS
	L) Attach Front and Rear Sight Assemblies						5/12/89	RW
	M) Iron Sight Alignment						5/12/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/12/89	RW
	O) Attach Scope to Rifle						5/12/89	JL
	P) Detach & Attach Scope 20 Times						5/12/89	JL
640	Gallery Target & Test	49 R	105 L				5/12/89	DH
	A) Time						5/12/89	DH
	B) Malfunctions						5/12/89	DH
	C) Pierced Primers						5/12/89	DH
	D) Optical Clarity of Scope						5/12/89	DH
645	Inspect for Live Ammo						5/12/89	DA
655	Final Inspection							
	A) Headspace						15 May 89	JS
	B) Trigger Pull	2.81	2.83	2.83	2.80	2.78	15 May 89	JS
	C) Function						15 May 89	JS
660	Pack						26 June 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 5163
C6225410DATE 5 April 89TESTER 918

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.24	2.38	2.30	2.07	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.09	2.18	2.39	
PULL #3	2.46	2.34	2.29	2.36	
PULL #4	2.38	2.32	2.45	2.37	
PULL #5	2.38	2.59	2.36	2.40	
TOTAL	11.83	11.72	11.58	11.59	
AVG.	2.366	2.344	2.316	2.318	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.05	2.99		
PULL #2	3.32	3.22		
PULL #3	3.33	3.18		
PULL #4	3.26	3.22		
PULL #5	3.26	3.25		
TOTAL	16.22	15.86		
AVG.	3.244	3.172		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.10	3.93		4.11
PULL #2	4.21	4.06		4.29
PULL #3	4.33	4.20		4.26
PULL #4	4.26	4.05		4.37
PULL #5	4.29	4.25		4.30
TOTAL	21.19	20.49		21.33
AVG.	4.238	4.098		4.266

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225163
15 May 1989

CENTROIDAL DISTANCES

0 TO	1	.109895
1 TO	2	.366695
1 TO	3	.295625
1 TO	4	.341721
1 TO	5	.563507

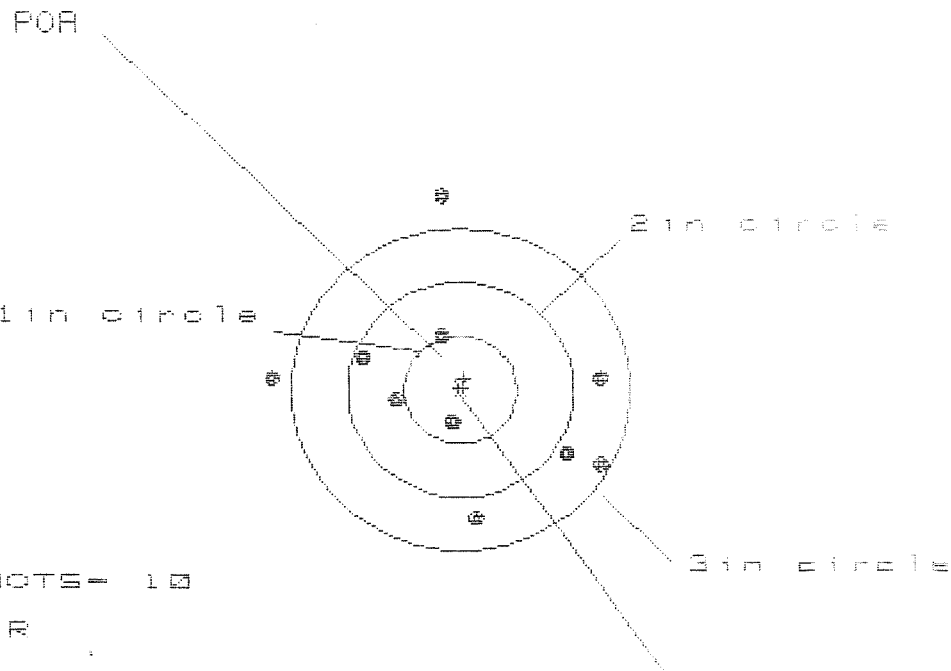
 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1496
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0606
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .161408
THE AMR FOR THIS RIFLE IS: .8994

15 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225163

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 2.906

VS= 2.996

GS= 3.015

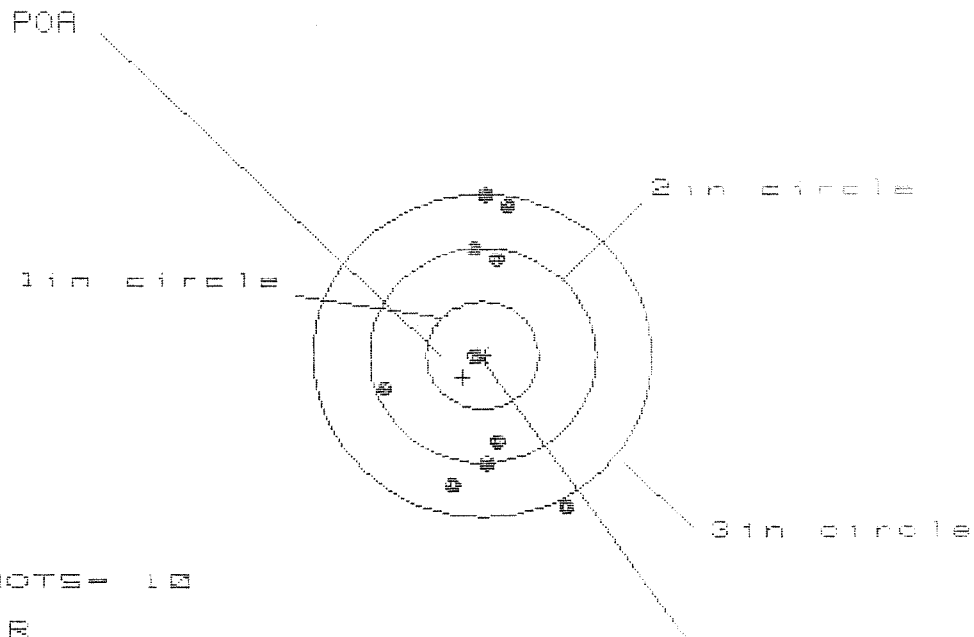
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.217	1.198	.984
MINIMUM X	-1.689	-1.708	-1.107
MAXIMUM Y	1.849	.709	.744
MINIMUM Y	-1.147	-.941	-.906
CENTROID X	-.029	-.010	.204
CENTROID Y	-.106	-.312	-.347
POA TO CENTROID in.	.110	.312	.403
MIN RADIUS	.273	.092	.281
MEAN RADIUS	1.074	.962	.875
MAX RADIUS	1.857	1.732	1.220
HORIZONTAL SPREAD	2.906	2.906	2.091
VERTICAL SPREAD	2.996	1.650	1.650
EXTREME SPREAD	3.015	3.009	2.305
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

15 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06825163

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 5

HS= 1.591

VS= 2.894

GS= 2.980

CENTROID *

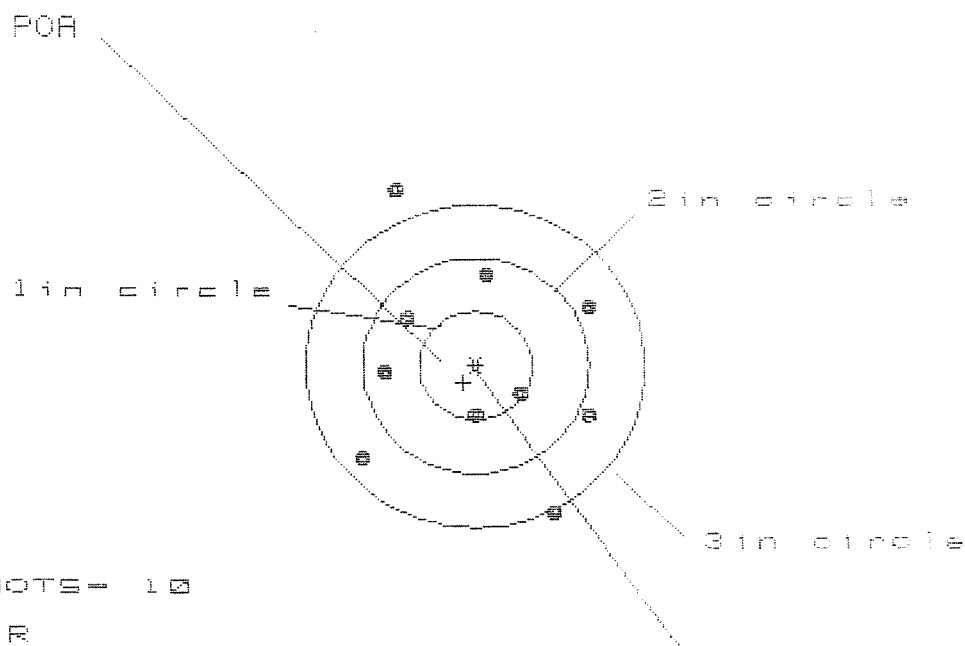
PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.697	.327	.335
MINIMUM X	-.894	-.817	-.808
MAXIMUM Y	1.509	1.355	1.390
MINIMUM Y	-1.385	-1.349	-1.179
CENTROID X	.170	.093	.085
CENTROID Y	.202	.356	.186
POA TO CENTROID in.	.264	.368	.205
MIN RADIUS	.092	.182	.013
MEAN RADIUS	1.048	.991	.913
MAX RADIUS	1.550	1.358	1.430
HORIZONTAL SPREAD	1.591	1.144	1.144
VERTICAL SPREAD	2.894	2.704	2.569
EXTREME SPREAD	2.980	2.713	2.614
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		5	

15 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/082251B3

CENTERFIRE PATTERNS

3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.022

VS= 2.967

GS= 3.273

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.011	.932	1.006
MINIMUM X	-1.011	-1.090	-1.016
MAXIMUM Y	1.660	.977	.837
MINIMUM Y	-1.307	-1.123	-.819
CENTROID X	.106	.185	.111
CENTROID Y	.157	-.027	.113
POA TO CENTROID in.	.190	.187	.159
MIN RADIUS	.458	.315	.431
MEAN RADIUS	1.011	.898	.851
MAX RADIUS	1.806	1.284	1.305
HORIZONTAL SPREAD	2.022	2.022	2.022
VERTICAL SPREAD	2.967	2.100	1.656
EXTREME SPREAD	3.273	2.408	2.408
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

15 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225163

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.191

VS= 1.801

GS= 2.638

CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.906	.763	.826
MINIMUM X	-1.285	-.521	-.458
MAXIMUM Y	1.005	.916	.560
MINIMUM Y	-.796	-.686	-.571
CENTROID X	.274	.417	.354
CENTROID Y	.052	.141	.026
POA TO CENTROID in.	.279	.440	.355
MIN RADIUS	.162	.134	.193
MEAN RADIUS	.673	.586	.508
MAX RADIUS	1.512	1.044	.956
HORIZONTAL SPREAD	2.191	1.284	1.284
VERTICAL SPREAD	1.801	1.602	1.131
EXTREME SPREAD	2.638	1.756	1.441
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

15 May 1988

FILE: \PATTERNING\CENTERFIRE_PATT\08225163

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS= 1.620

VS= 1.963

GS= 2.062

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.975	1.001	1.077
MINIMUM X	-.645	-.619	-.494
MAXIMUM Y	.717	.579	.627
MINIMUM Y	-1.246	-.644	-.596
CENTROID X	.227	.201	.076
CENTROID Y	-.608	-.470	-.518
POA TO CENTROID in.	.649	.511	.524
MIN RADIUS	.142	.142	.047
MEAN RADIUS	.691	.618	.525
MAX RADIUS	1.267	1.073	1.078
HORIZONTAL SPREAD	1.620	1.620	1.571
VERTICAL SPREAD	1.963	1.223	1.223
EXTREME SPREAD	2.062	1.868	1.638
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		