

G673 8614
Replaces
G653 5435

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: RE00158406

Serial: G6535435 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 1/9/2009 10:58:58 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: USFPO FOR ARKANSAS BLDG 318

USFPO FOR ARKANSAS BLDG 318

Address 2: CAMP ROBINSON BLDG 318 PO Box:

CAMP ROBINSON BLDG 318 PO Box:

City: NORTH LITTLE ROCK

NORTH LITTLE ROCK

State: AR

Zip Code: 72199

Country: US

State: AR

Zip Code: 72199

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
A017	Scope Base	1
D000	REAR SGT BASE	1

Repair Search

Refresh

Close

naglej

1/9/2009

2:55 PM

CAPS

NUM

INS

SCRL

start

2 Mi...

South...

4 Mi...

Part 5...

Arms...

Stock...

5:55 PM

Serial Number:

~~G6535435~~

Model: M24 SWS



RE00158406

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

R & E NUMBER 158406
 SERIAL NUMBER G6738614
 LOG-IN DATE 1-9-09

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	1-12-09	RTZ
505	RE-BARREL	1-13-09	RTZ
560	ASSEMBLE	1-13-09	RTZ
600	PROOF	1-14-09	TC
605	CHECK HEADSPACE	1-14-09	RTZ
610	DIS-ASSEMBLE GUN	1-14-09	RTZ
612	MAGNAFLUX	1-17-09	RTZ
510	DRILL AND TAP	1-14-09	SD
615	ROLLMARK CALIBER		
618	ROTO-BLAST	1-19-09	RT
620	APPLY COATINGS	1-22	
625	FINAL ASSEMBLY	1-26-09	RTZ
640	FUNCTION TEST AND	1-27-09	TC
650	TARGET	1-27-09	TC
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	1-28-09	RTZ
	A) HEADSPACE	1-28-09	RTZ
	B) TRIGGER PULL	2.03 2.09 2.06 2.04 2.01	1-27-09 Fey
	C) SAFETY ON FORCE	4.0 4.0 4.0	1-28-09 RTZ
	D) SAFETY OFF FORCE	6.0 6.0 6.0	1-28-09 RTZ
	E) FIRING PIN INDENT	.022 .023 .023	1-28-09 RTZ
690	PACK		1-28-09 Fey

[illegible]

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6738614.___0
FILE DATE AND TIME: 01/27/2009 13:30

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.041
The Average Y Centroid of the Five Target Set:	-0.065
The Average Point of Impact of the Five Target Set:	0.077
The Average Mean Radius of the Five Target Set:	0.602
The Distance from POA to Centroid Target #1:	0.195
The Distance from Centroid Target #2 to Centroid Target #1:	0.213
The Distance from Centroid Target #3 to Centroid Target #1:	0.232
The Distance from Centroid Target #4 to Centroid Target #1:	0.169
The Distance from Centroid Target #5 to Centroid Target #1:	0.174

BARBER - M24 0001026

SERIAL NUMBER: G6738614. __0

TARGET NUMBER: 1

FILE DATE: 01/27/2009

FILE TIME: 13:30

POINT#	X	Y
1:	0.905	0.208
2:	0.750	-0.246
3:	0.306	-0.790
4:	0.020	-0.596
5:	-0.524	-0.586
6:	0.306	0.789
7:	-0.343	0.128
8:	0.058	0.359
9:	0.341	0.176
10:	0.029	-0.079

X CENTROID: 0.185

Y CENTROID: -0.064

POA TO CENTROID: 0.195

HORZ SPREAD: 1.429

VERT SPREAD: 1.579

GROUP SPREAD: 1.635

MIN RADIUS: 0.157

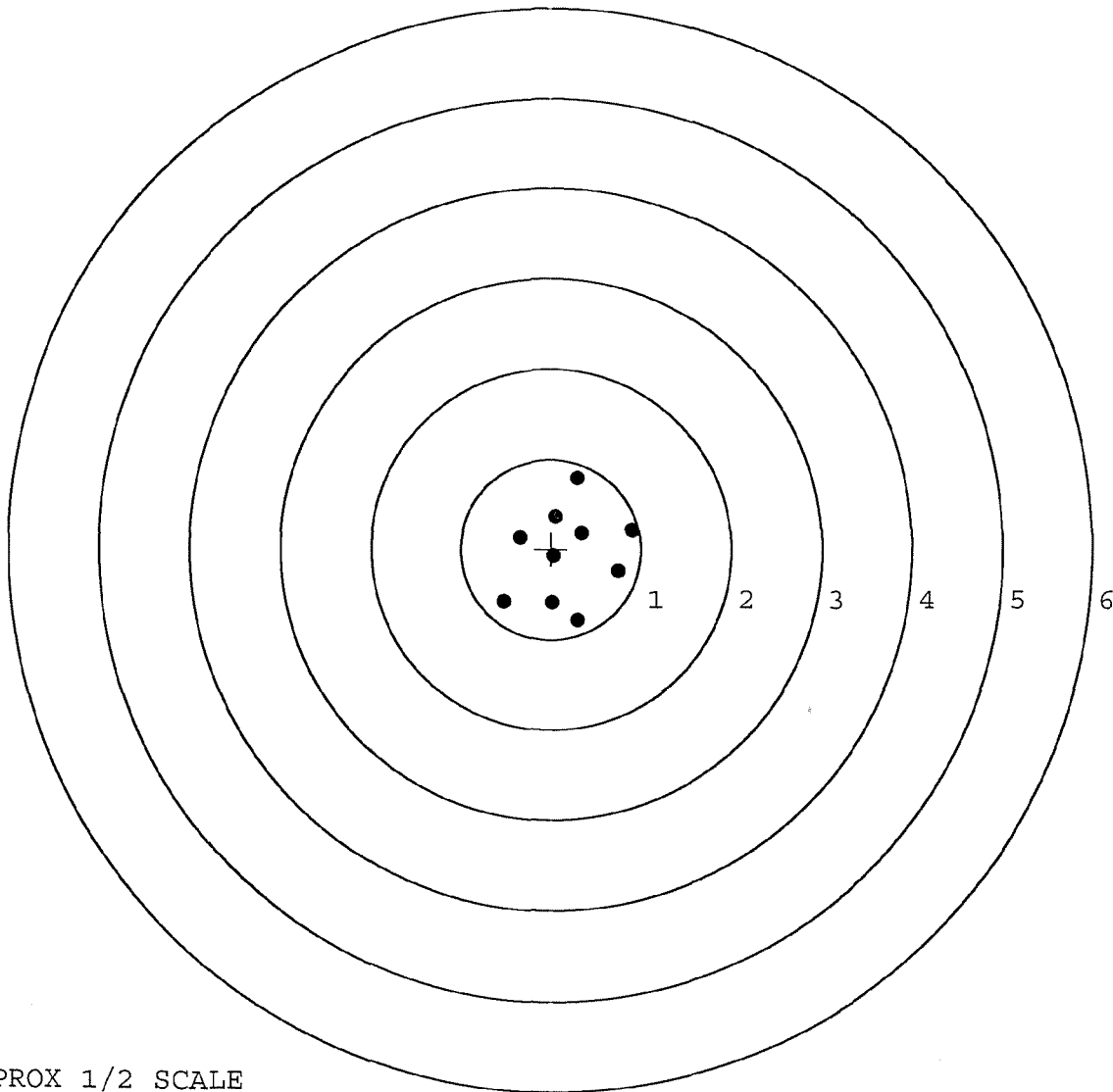
MAX RADIUS: 0.880

MEAN RADIUS: 0.584

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6738614. __ 0

TARGET NUMBER: 2

FILE DATE: 01/27/2009

FILE TIME: 13:30

POINT#	X	Y
1:	-0.044	0.888
2:	-0.143	0.591
3:	-0.482	0.543
4:	0.007	0.405
5:	0.074	0.077
6:	-0.325	-0.182
7:	-0.091	-0.558
8:	0.132	-0.458
9:	0.364	-0.621
10:	0.262	-1.735

X CENTROID: -0.025

Y CENTROID: -0.105

POA TO CENTROID: 0.108

HORZ SPREAD: 0.846

VERT SPREAD: 2.623

GROUP SPREAD: 2.641

MIN RADIUS: 0.207

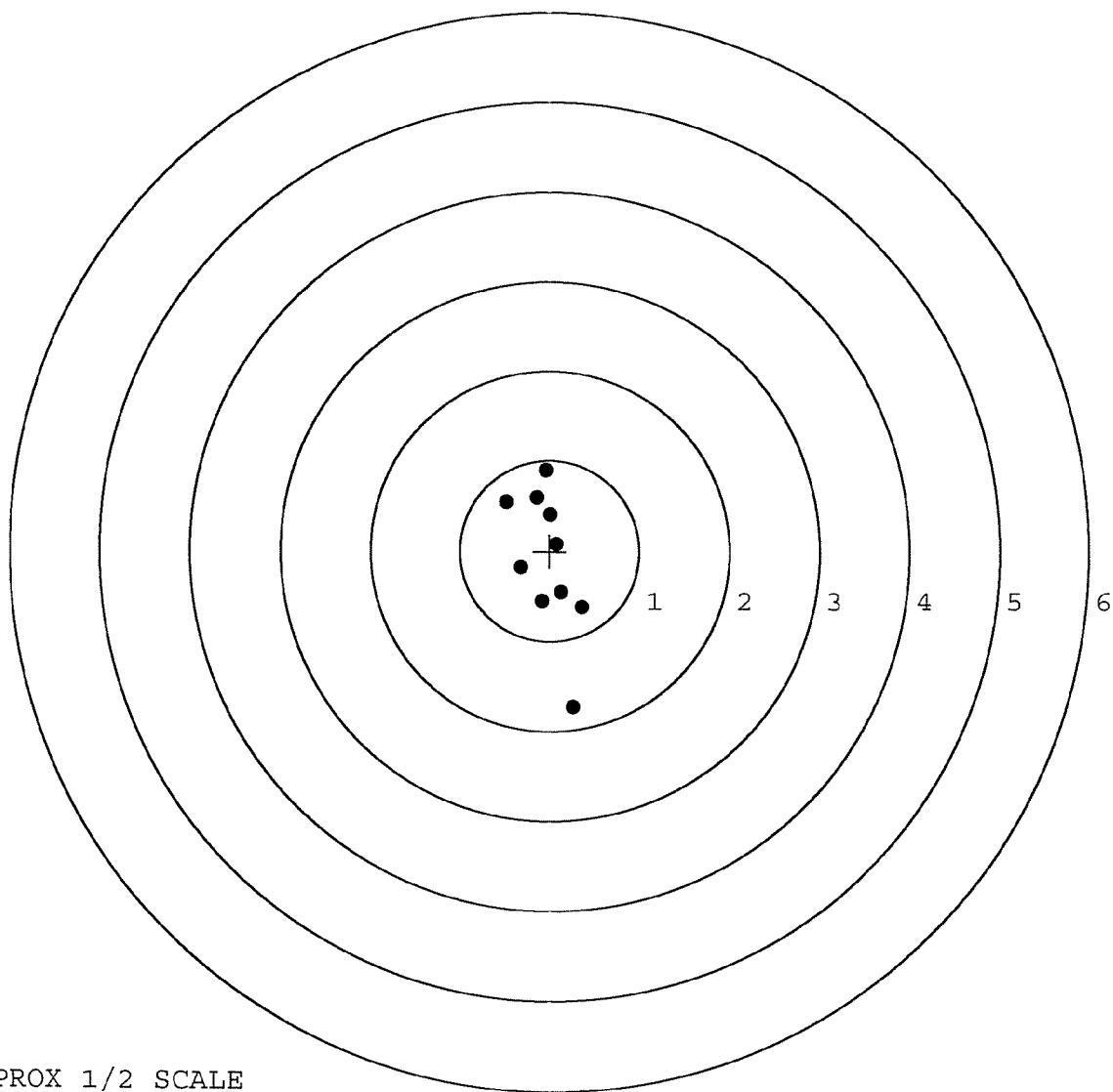
MAX RADIUS: 1.655

MEAN RADIUS: 0.667

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9



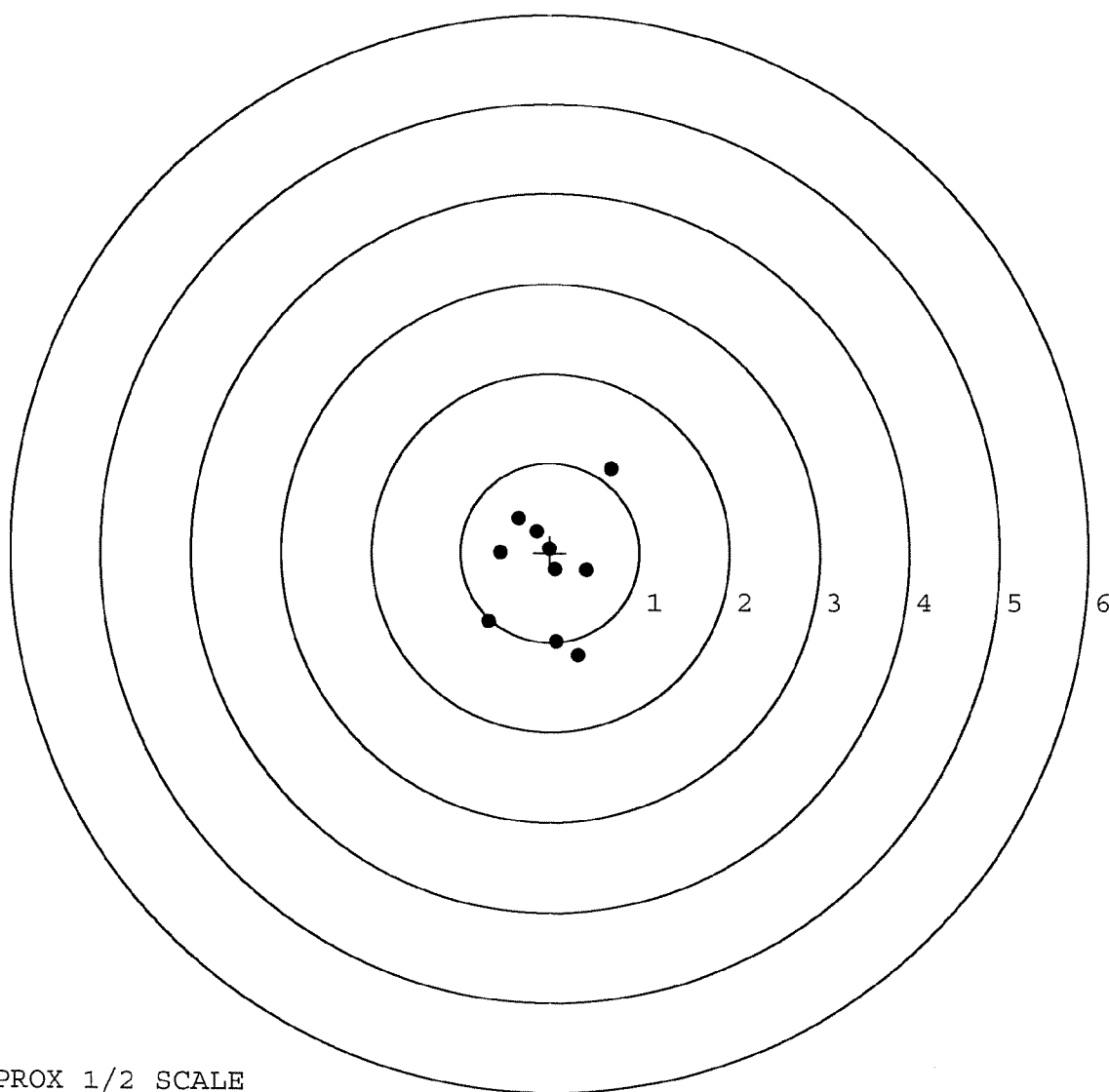
TARGET APPROX 1/2 SCALE

BARBER - M24 0001028

SERIAL NUMBER: G6738614. __0
 TARGET NUMBER: 3
 FILE DATE: 01/27/2009
 FILE TIME: 13:30

POINT#	X	Y
1:	0.685	0.940
2:	0.315	-1.150
3:	0.067	-0.995
4:	-0.689	-0.769
5:	-0.555	-0.002
6:	-0.348	0.384
7:	-0.153	0.240
8:	0.412	-0.197
9:	0.058	-0.189
10:	-0.013	0.041

X CENTROID: -0.022
 Y CENTROID: -0.170
 POA TO CENTROID: 0.171
 HORZ SPREAD: 1.374
 VERT SPREAD: 2.090
 GROUP SPREAD: 2.193
 MIN RADIUS: 0.082
 MAX RADIUS: 1.316
 MEAN RADIUS: 0.644
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

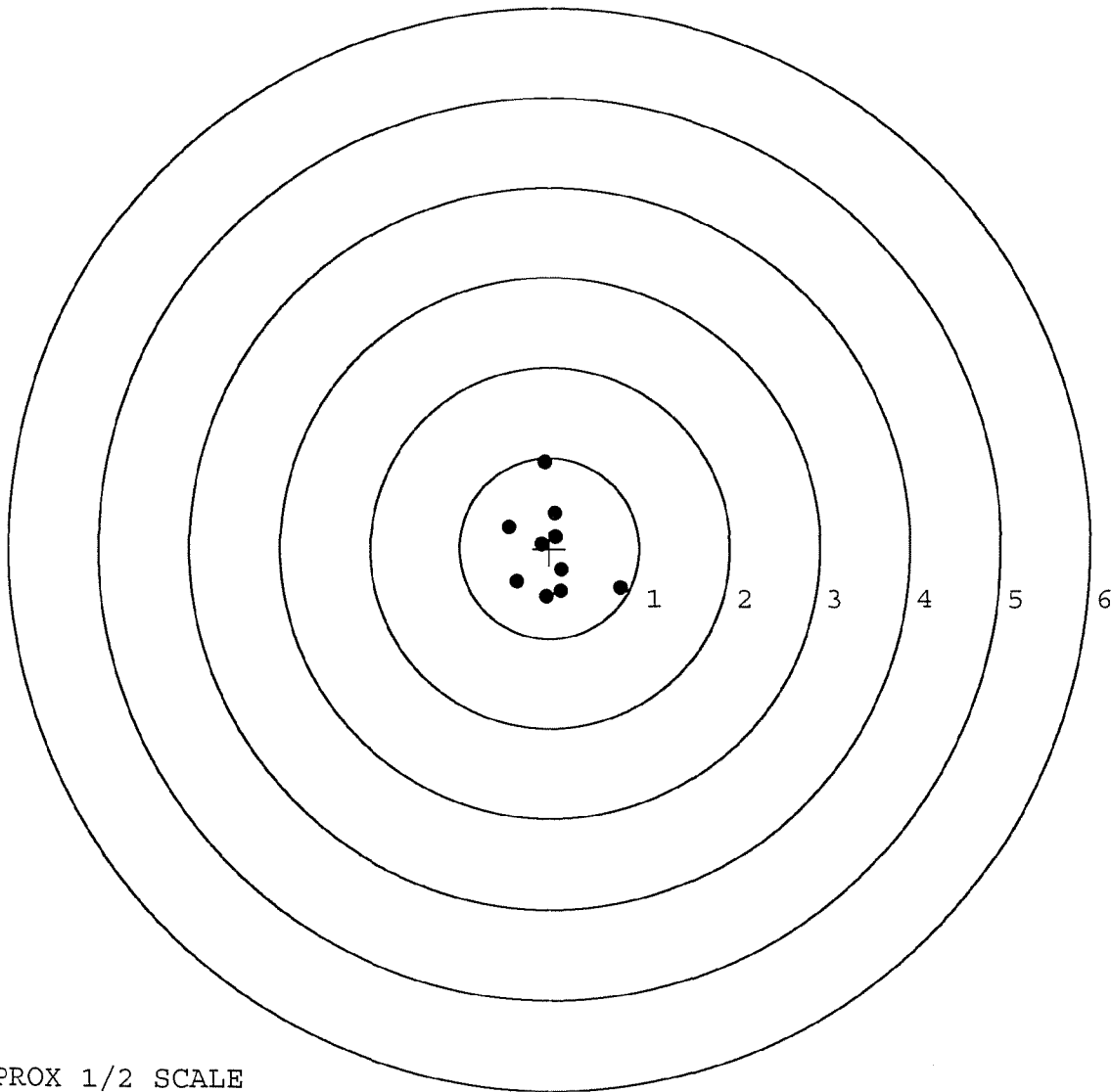


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6738614. 0
 TARGET NUMBER: 4
 FILE DATE: 01/27/2009
 FILE TIME: 13:30

POINT#	X	Y
1:	-0.048	0.958
2:	-0.456	0.235
3:	-0.364	-0.370
4:	-0.036	-0.536
5:	0.129	-0.477
6:	0.788	-0.439
7:	0.138	-0.237
8:	-0.087	0.051
9:	0.070	0.129
10:	0.055	0.389

X CENTROID: 0.019
 Y CENTROID: -0.030
 POA TO CENTROID: 0.035
 HORZ SPREAD: 1.244
 VERT SPREAD: 1.494
 GROUP SPREAD: 1.628
 MIN RADIUS: 0.133
 MAX RADIUS: 0.990
 MEAN RADIUS: 0.485
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0001030

SERIAL NUMBER: G6738614. __0

TARGET NUMBER: 5

FILE DATE: 01/27/2009

FILE TIME: 13:30

POINT#	X	Y
1:	-0.507	1.291
2:	-0.424	0.437
3:	-0.439	0.207
4:	-0.526	-0.067
5:	-0.036	0.017
6:	0.331	0.275
7:	0.772	-0.891
8:	0.440	-0.555
9:	0.612	-0.349
10:	0.241	0.051

X CENTROID: 0.046

Y CENTROID: 0.042

POA TO CENTROID: 0.062

HORZ SPREAD: 1.298

VERT SPREAD: 2.182

GROUP SPREAD: 2.529

MIN RADIUS: 0.086

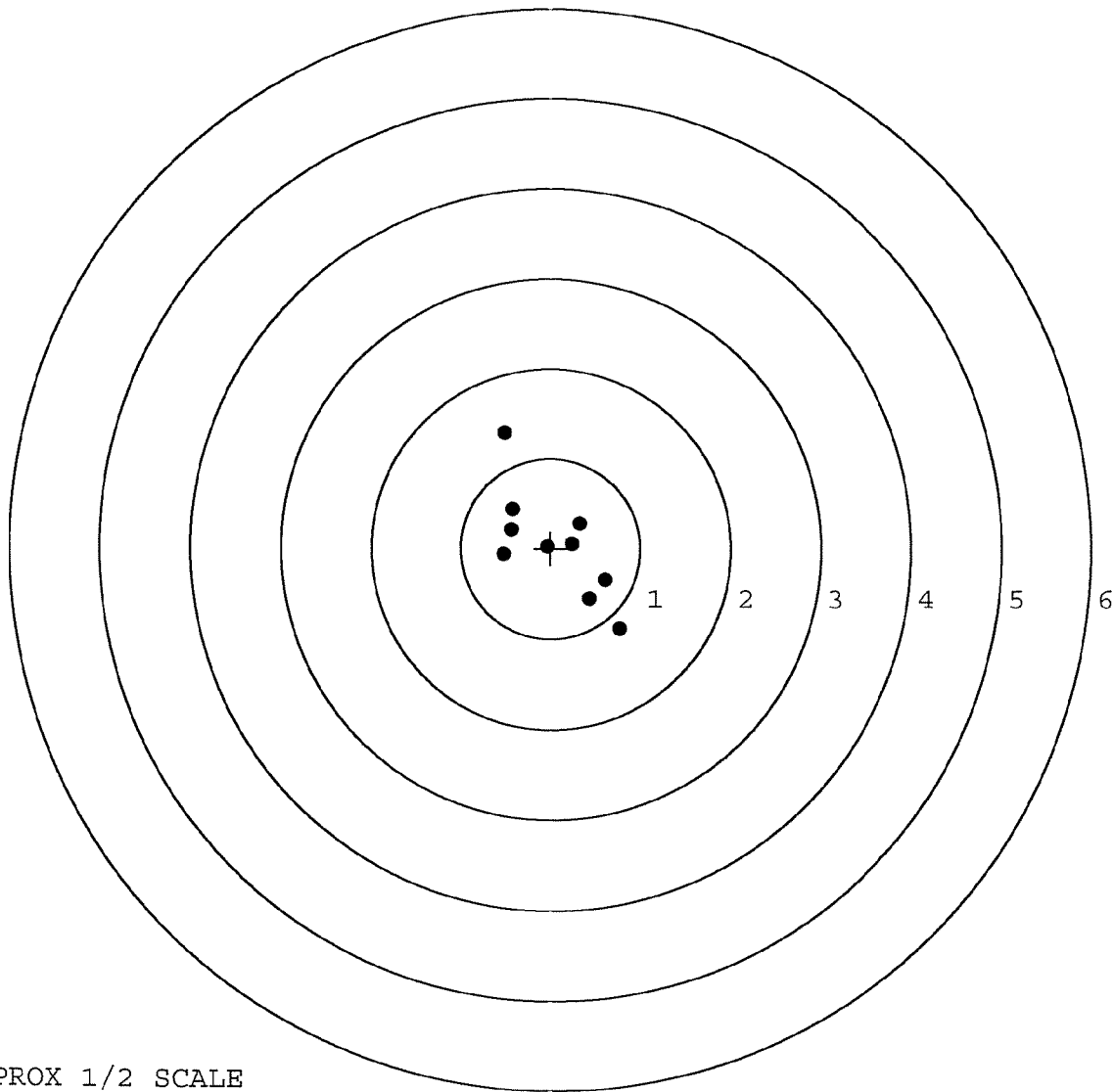
MAX RADIUS: 1.366

MEAN RADIUS: 0.631

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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: **RE00109519** Serial: C6523443 Model M24 SWS Center Fire
 Verify Repair: Status: Closed 3/7/2006 9:49:23 AM

Address Information

Customer: Received From: Return To: Received From:

Name: TRANSPORTATION OFFICER TRANSPORTATION OFFICER

Address 1: USPFO FOR ARKANSAS BLDG 318 USPFO FOR ARKANSAS BLDG 318

Address 2: CAMP JOSEPH T ROBINSON PO Box: CAMP JOSEPH T ROBINSON PO Box:

City: NORTH LITTLE ROCK NORTH LITTLE ROCK

State: AR Zip Code: 72199 Country: US State: AR Zip Code: 72199 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Condition: Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A017	Scope Base	1
A057	Frt and Rear Sgt Base	1

Repair Search **Refresh** **Close**

naglej 3/7/2006 9:59 AM CAPS NUM INS SCRL

start 3 Micr... Part Se... Arms S... 3 Micr... 4 Int... Adobe... 9:59 AM

C6535435 (New)

~~C6523443~~

Model: M24 SWS



RE00109519

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6535435.__0
FILE DATE AND TIME: 03/27/2006 16:50

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.033
The Average Y Centroid of the Five Target Set:	-0.079
The Average Point of Impact of the Five Target Set:	0.086
The Average Mean Radius of the Five Target Set:	0.634
The Distance from POA to Centroid Target #1:	0.147
The Distance from Centroid Target #2 to Centroid Target #1:	0.275
The Distance from Centroid Target #3 to Centroid Target #1:	0.139
The Distance from Centroid Target #4 to Centroid Target #1:	0.126
The Distance from Centroid Target #5 to Centroid Target #1:	0.194

SERIAL NUMBER: G6535435. 0

TARGET NUMBER: 1

FILE DATE: 03/27/2006

FILE TIME: 16:50

POINT#	X	Y
1:	-0.169	0.914
2:	-0.065	0.248
3:	-0.417	-0.159
4:	-0.812	0.087
5:	-1.026	0.375
6:	0.465	0.378
7:	0.397	-0.021
8:	0.172	-0.529
9:	0.441	-0.570
10:	-0.455	-0.795

X CENTROID: -0.147

Y CENTROID: -0.007

POA TO CENTROID: 0.147

HORZ SPREAD: 1.491

VERT SPREAD: 1.709

GROUP SPREAD: 1.745

MIN RADIUS: 0.268

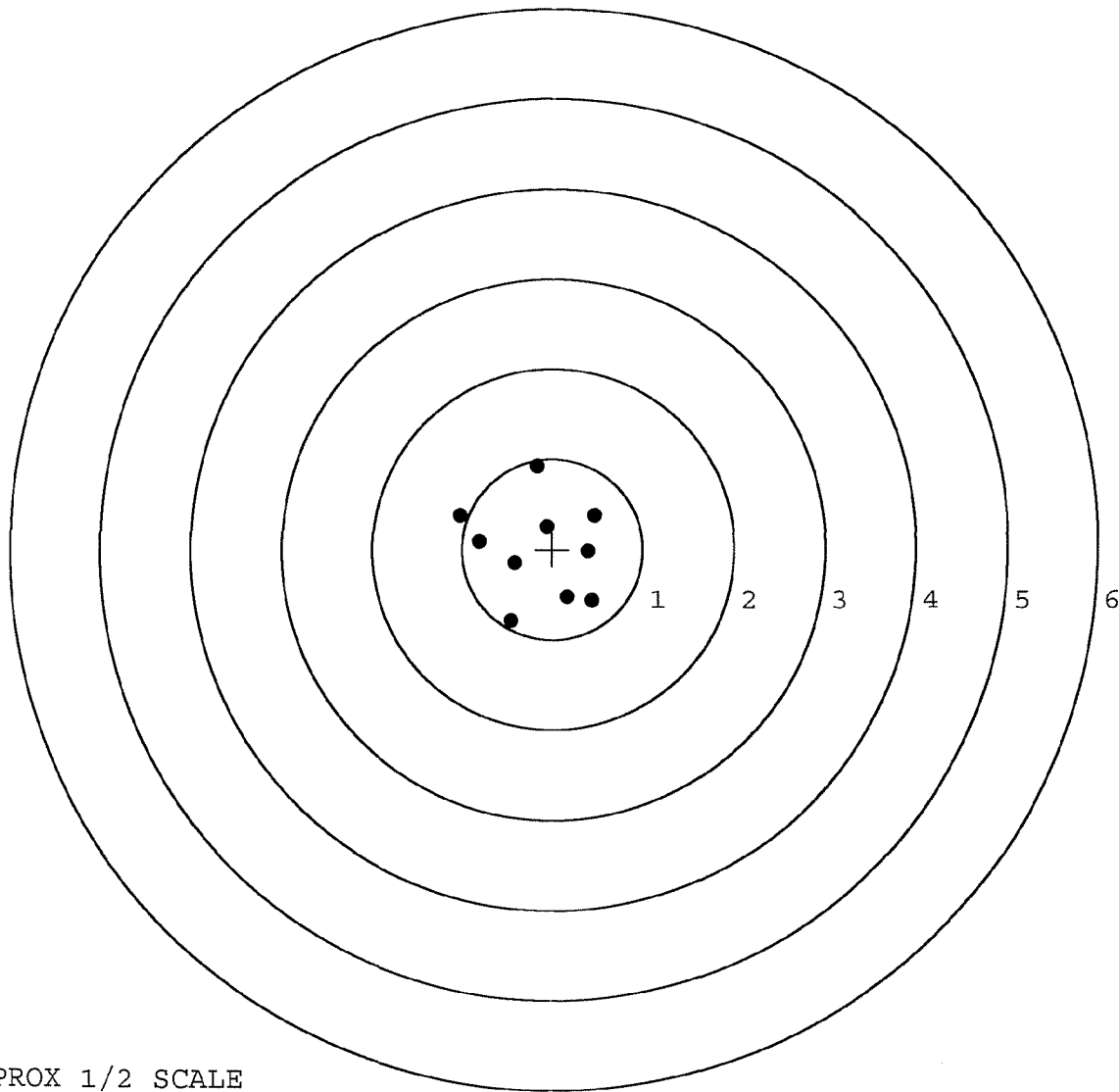
MAX RADIUS: 0.959

MEAN RADIUS: 0.667

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0001034

SERIAL NUMBER: G6535435. __ 0

TARGET NUMBER: 2

FILE DATE: 03/27/2006

FILE TIME: 16:50

POINT#	X	Y
1:	0.088	0.615
2:	0.113	0.347
3:	0.333	-0.059
4:	0.004	-0.220
5:	0.090	-0.532
6:	0.413	-0.506
7:	-0.429	-0.425
8:	-0.604	0.308
9:	0.034	-1.389
10:	0.239	-0.332

X CENTROID: 0.028

Y CENTROID: -0.219

POA TO CENTROID: 0.221

HORZ SPREAD: 1.017

VERT SPREAD: 2.004

GROUP SPREAD: 2.005

MIN RADIUS: 0.024

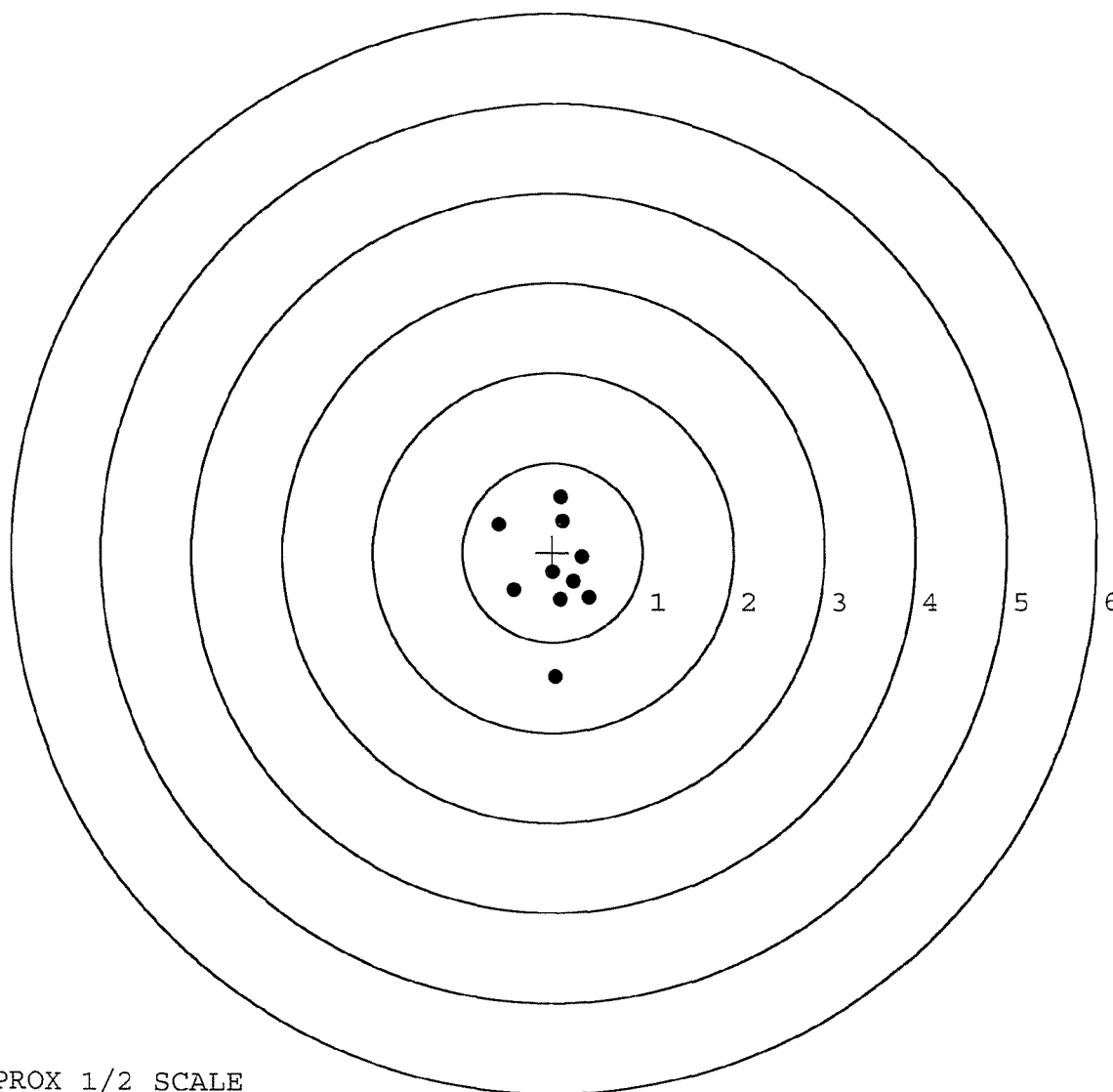
MAX RADIUS: 1.170

MEAN RADIUS: 0.531

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6535435. __0

TARGET NUMBER: 3

FILE DATE: 03/27/2006

FILE TIME: 16:50

POINT#	X	Y
1:	0.932	-0.018
2:	0.417	0.429
3:	0.101	0.100
4:	-0.323	0.577
5:	-0.673	-0.191
6:	-0.094	-0.365
7:	0.012	-0.545
8:	0.093	-0.793
9:	-0.215	0.079
10:	-0.486	0.017

X CENTROID: -0.024

Y CENTROID: -0.071

POA TO CENTROID: 0.075

HORZ SPREAD: 1.605

VERT SPREAD: 1.370

GROUP SPREAD: 1.614

MIN RADIUS: 0.212

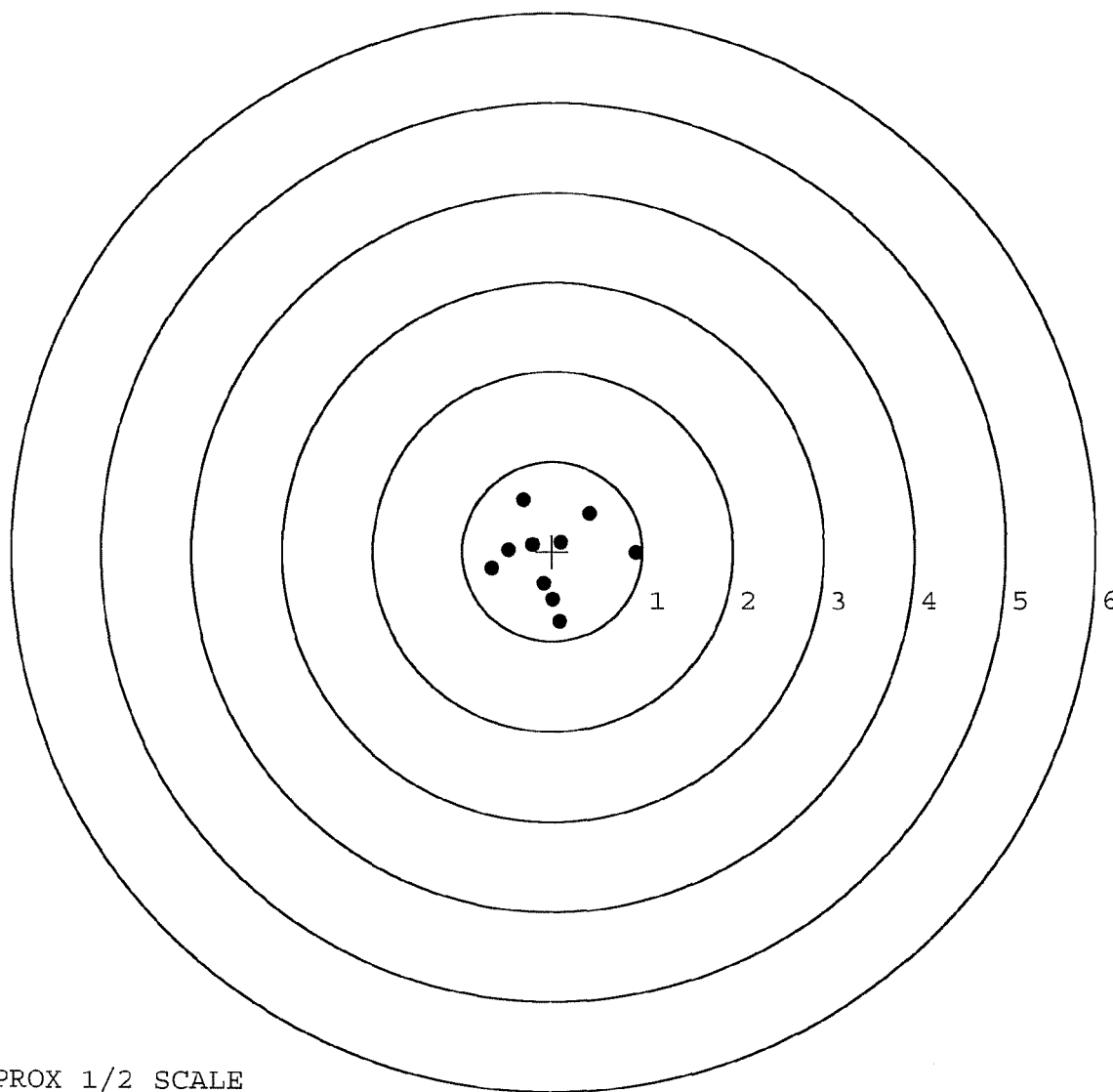
MAX RADIUS: 0.957

MEAN RADIUS: 0.543

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



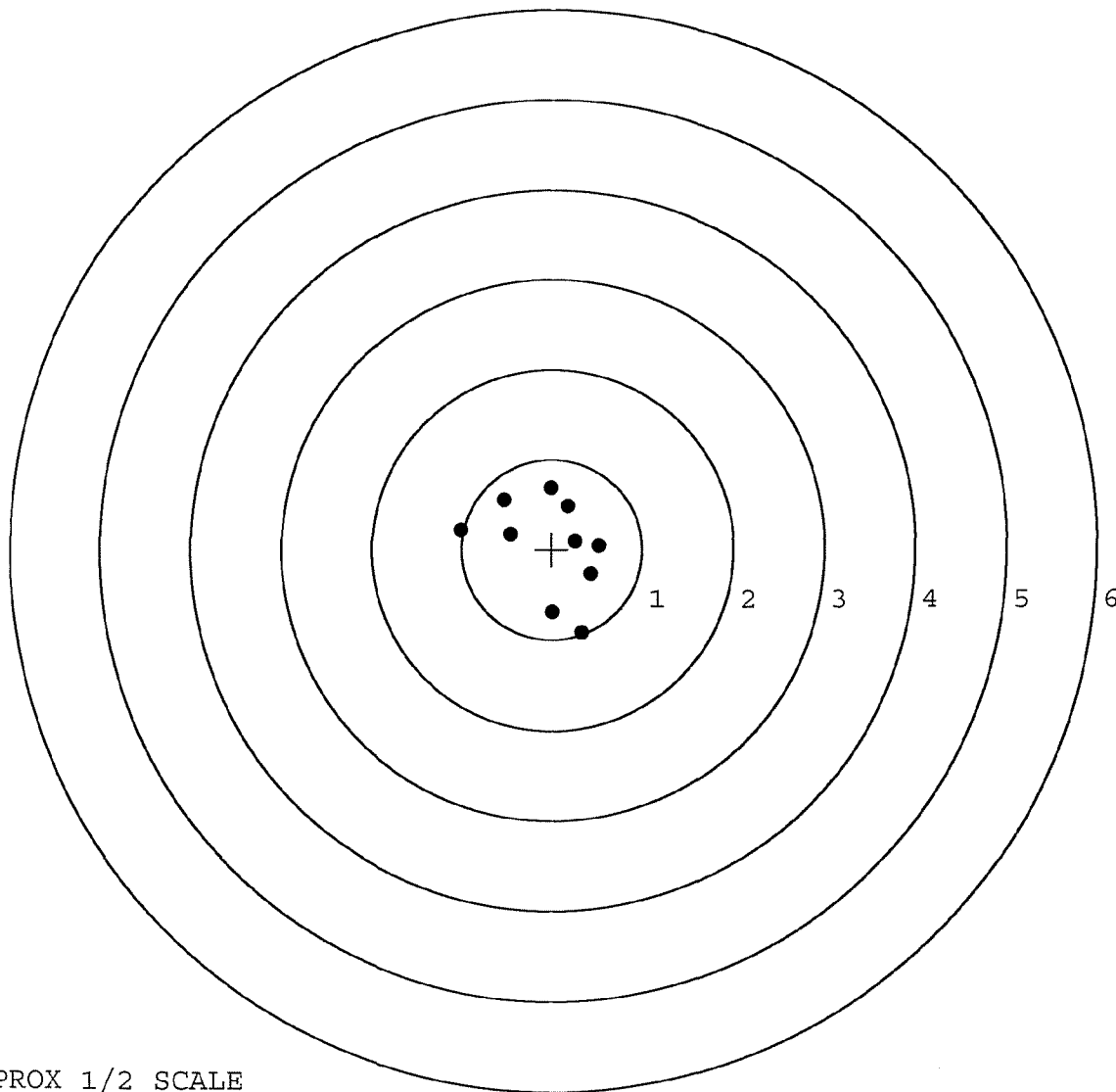
TARGET APPROX 1/2 SCALE

BARBER - M24 0001036

SERIAL NUMBER: G6535435. __0
 TARGET NUMBER: 4
 FILE DATE: 03/27/2006
 FILE TIME: 16:50

POINT#	X	Y
1:	-0.018	0.685
2:	0.179	0.482
3:	0.260	0.087
4:	0.526	0.041
5:	0.439	-0.278
6:	0.010	-0.706
7:	0.339	-0.931
8:	-0.539	0.548
9:	-0.461	0.170
10:	-1.008	0.217

X CENTROID: -0.027
 Y CENTROID: 0.031
 POA TO CENTROID: 0.042
 HORZ SPREAD: 1.534
 VERT SPREAD: 1.616
 GROUP SPREAD: 1.770
 MIN RADIUS: 0.293
 MAX RADIUS: 1.030
 MEAN RADIUS: 0.650
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6535435. __0

TARGET NUMBER: 5

FILE DATE: 03/27/2006

FILE TIME: 16:50

X CENTROID: 0.004

Y CENTROID: -0.129

POA TO CENTROID: 0.129

HORZ SPREAD: 2.541

VERT SPREAD: 1.818

GROUP SPREAD: 2.552

MIN RADIUS: 0.183

MAX RADIUS: 1.372

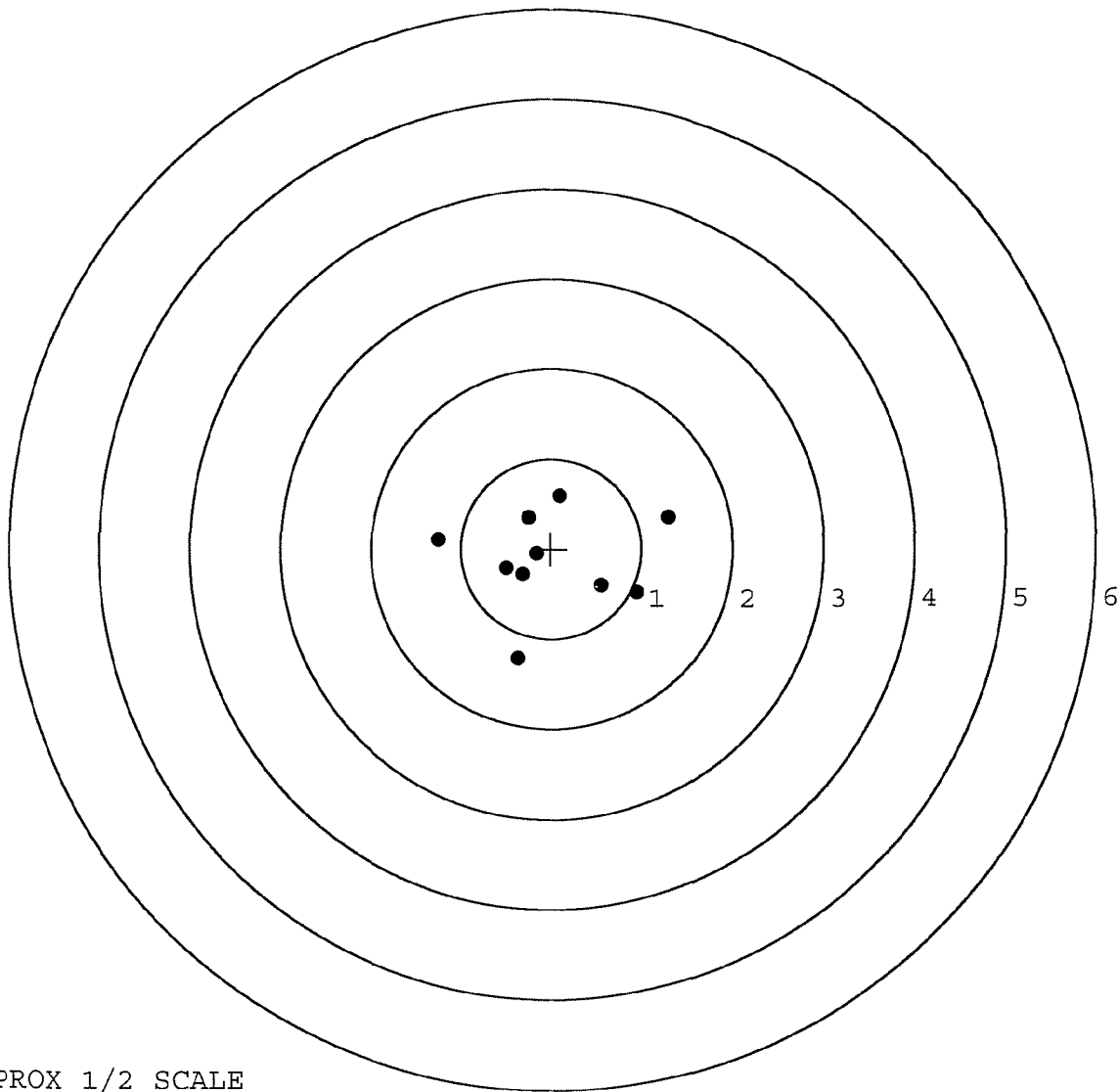
MEAN RADIUS: 0.776

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.098	0.592
2:	-0.258	0.348
3:	-0.166	-0.060
4:	-0.317	-0.291
5:	-0.494	-0.220
6:	-1.252	0.110
7:	-0.369	-1.226
8:	0.555	-0.408
9:	0.953	-0.489
10:	1.289	0.352



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	109519		
SERIAL NUMBER	C6523443 C60533435		
LOG-IN DATE	3-7-06		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-9-06	RTZ
560 A	RE-BARREL	3-9-06	RTZ
B	DRILL AND TAP	3-17-06	TRW
575	ASSEMBLE	3-9-06	RTZ
600	PROOF	3-15-06	MTM
605	CHECK HEADSPACE	3-15-06	MTM
610	DIS-ASSEMBLE GUN	3-17-06	RTZ
612	MAGNAFLUX	3-20-06	APD
615	ROLLMARK CALIBER	3-20-06	CW
618	ROTO-BLAST	3-20-06	LB
620	APPLY COATINGS	3-21-06	RTZ
625 A	FINAL ASSEMBLY	3-22-06	RTZ
B	TRIGGER PULL TEST	3-28-06	AC
C	SAFETY "ON" FORCE	3-28-06	AC
D	SAFETY "OFF" FORCE	3-28-06	AC
E	FIRING PIN INDENT	3-28-06	AC
640	TARGET	3-27-06	L.P.D.
655	FINAL INSPECT	3-28-06	AC
660	RACK	4-6-06	DA
		SHIP DATE	
		QAR INSPECTION DATE	

 		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		SERIAL NO. C6523443
01		ORDER NO. 5716



5716 C6523443

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6523443

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/4/90	KJ
600	Proof		10/4/90	KJ
607	Check Headspace		10/4/90	KJ
610	Dis-assemble Gun		10/4/90	KJ
612	Magnaflux Barrel Action		10/9/90	KR
	Magnaflux Bolt		10/9/90	KR
615	Rollmark Caliber		10/9/90	LS
617	Drill and Tap Sight Holes		10/11/90	KB
618	Polish Barrel		10/12/90	WB
620	Apply Coatings (Barrel Action)		10-18-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/20/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/20/90	WB
	C) Inspect Ejector Hole for Chamfer		10/20/90	WB
	D) Oil Firing Pin Ass'y		10/20/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		11/5/90	JK

op. #	OP. NAME	READINGS				DATE	INIT
625 cont.	F) Safety On Force	4.5	4.2	4.0		11-2-90	LT
	G) Safety Off Force	3.0	2.5	2.5		11-2-90	KT
	H) Trigger Pull Test & Retainability					11-5-90	JK
	I) Firing Pin Indent	.023	.022	.022		11-2-90	KT
	J) Assemble Stock					11-5-90	KA
	K) Assemble Swivel Studs					11-20-90	JS
	L) Attach Front and Rear Sight Assemblies					11-5/90	KA
	M) Iron Sight Alignment					11-5/90	KA
	N) Detach Front & Rear Sights & place in numbered container					11-5/90	KA
	O) Attach Scope to Rifle					11-5/90	KA
	P) Detach & Attach Scope 20 Times					11-5/90	KA
640	Gallery Target & Test					11/6/90	NE
	A) Time					"	NE
	B) Malfunctions					"	NE
	C) Pierced Primers					"	NE
	D) Optical Clarity of Scope					"	NE
645	Inspect for Live Ammo					11/6/90	NE
655	Final Inspection						
	A) Headspace					11-20-90	JS
	B) Trigger Pull	245	246	252	267	252	11-20-90 JS
	C) Function					11-20-90	JS
660	Pack					12-17-90	DH

MOD. M24 GA. 7.62 GUN # 3443
 CAL. 7.62

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st		
NF	11/6	Flour Plate Shoots Open	K5
	2nd		
	11/8	O.K. Now FILED STOCK	K's.
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523443

DATE 11-5-90

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.21	2.35	2.24	2.45	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.49	2.50	2.40	
PULL #3	2.28	2.35	2.33	2.52	
PULL #4	2.50	2.25	2.27	2.67	
PULL #5	2.47	2.45	2.28	2.52	
TOTAL	11.80	11.89	11.62		
AVG.	2.36	2.378	2.324		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.38	3.37		
PULL #2	3.38	3.34		
PULL #3	3.48	3.40		
PULL #4	3.48	3.41		
PULL #5	3.49	3.40		
TOTAL	17.21	16.92		
AVG.	3.442	3.384		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.50		4.24
PULL #2	4.52	4.42		4.47
PULL #3	4.46	4.46		4.45
PULL #4	4.48	4.35		4.44
PULL #5	4.48	4.48		4.37
TOTAL	22.33	22.21		21.97
AVG.	4.466	4.442		4.394

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06523443
7 Nov 1990

CENTROIDAL DISTANCES

2 TO	1	.24066
1 TO	2	.0482557
1 TO	3	.349361
1 TO	4	.521989
1 TO	5	.104235

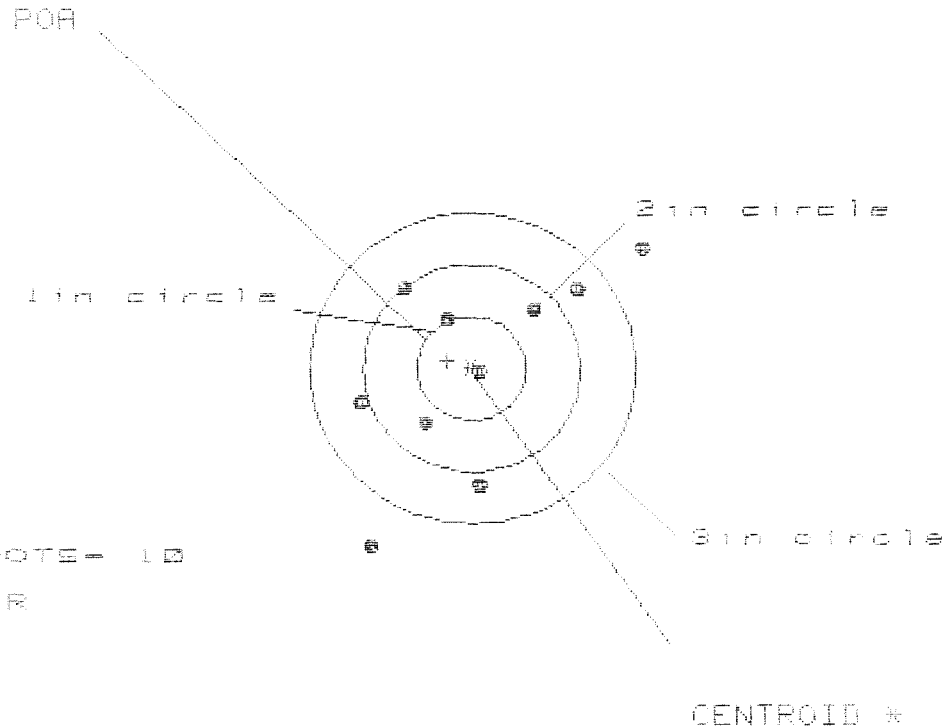
$\bar{x}^2$ <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1694
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0148
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .178045
THE AMR FOR THIS RIFLE IS: .9396

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523443

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.888

VS= 2.888

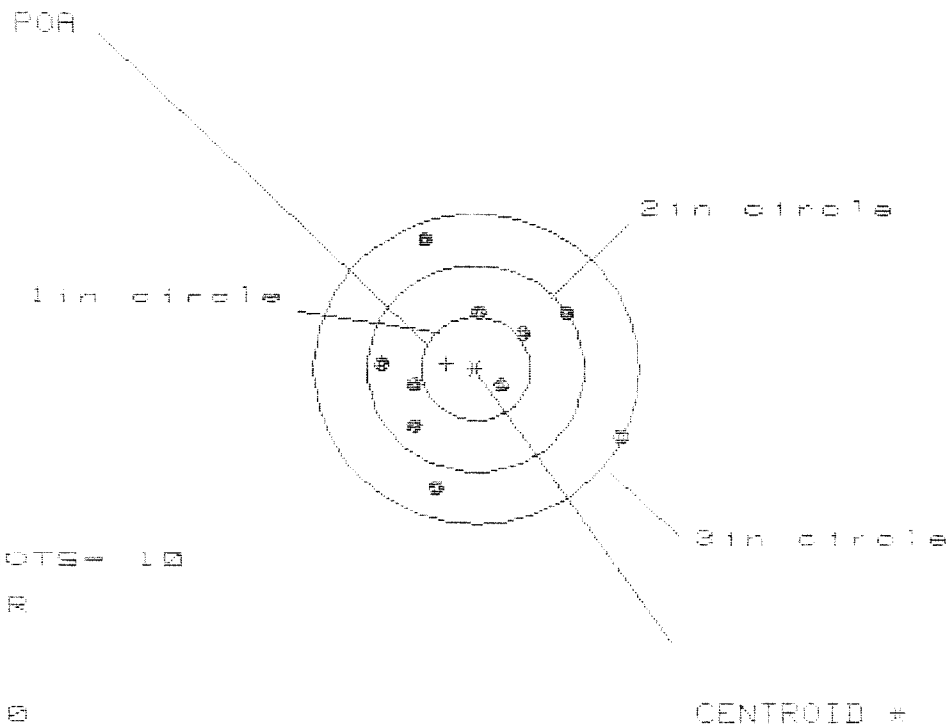
GS= 3.753

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.530	1.431	1.053
MINIMUM X	-1.035	-1.134	-1.955
MAXIMUM Y	1.145	.954	.705
MINIMUM Y	-1.723	-1.281	-1.162
CENTROID X	.229	.328	.149
CENTROID Y	-.074	.117	-.002
POA TO CENTROID in.	.241	.348	.149
MIN RADIUS	.088	.236	.195
MEAN RADIUS	1.034	.929	.808
MAX RADIUS	1.939	1.720	1.267
HORIZONTAL SPREAD	2.565	2.565	2.008
VERTICAL SPREAD	2.868	2.235	1.867
EXTREME SPREAD	3.753	2.971	2.305
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523448

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 2.181

VS= 2.393

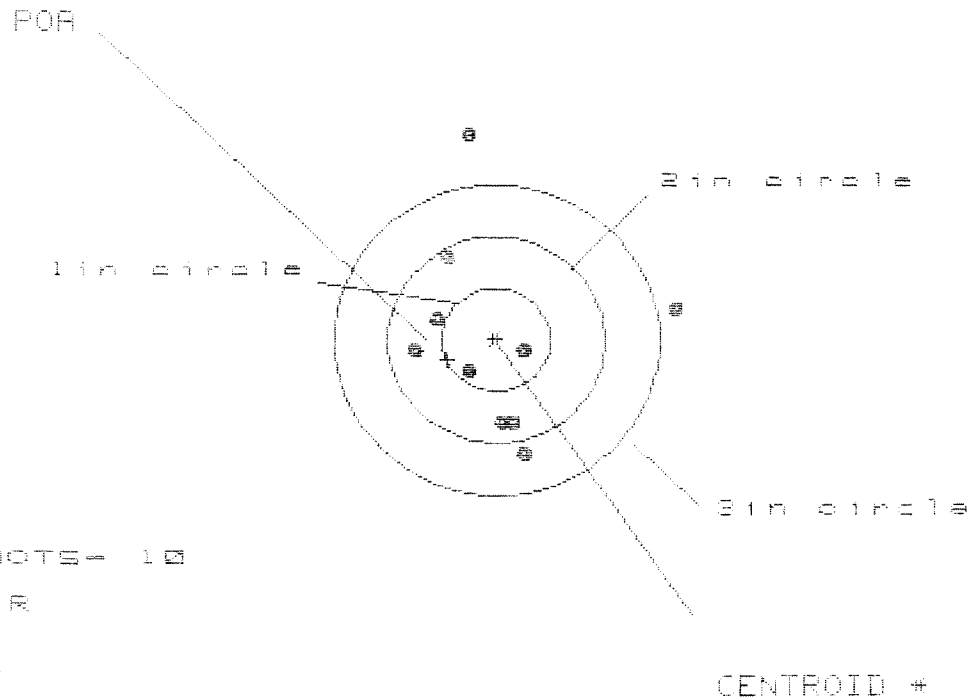
GS= 2.531

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.298	1.003	.965
MINIMUM X	:	-.883	-.738	-.776
MAXIMUM Y	:	1.213	1.144	.644
MINIMUM Y	:	-1.180	-1.249	-1.106
CENTROID X	:	.269	.124	.162
CENTROID Y	:	-.047	.022	-.121
POA TO CENTROID in.	:	.273	.126	.203
MIN RADIUS	:	.269	.428	.354
MEAN RADIUS	:	.868	.798	.741
MAX RADIUS	:	1.438	1.271	1.140
HORIZONTAL SPREAD	:	2.181	1.741	1.741
VERTICAL SPREAD	:	2.393	2.393	1.750
EXTREME SPREAD	:	2.531	2.394	2.115
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523443

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HG# 2.418

VS# 3.038

GS# 3.071

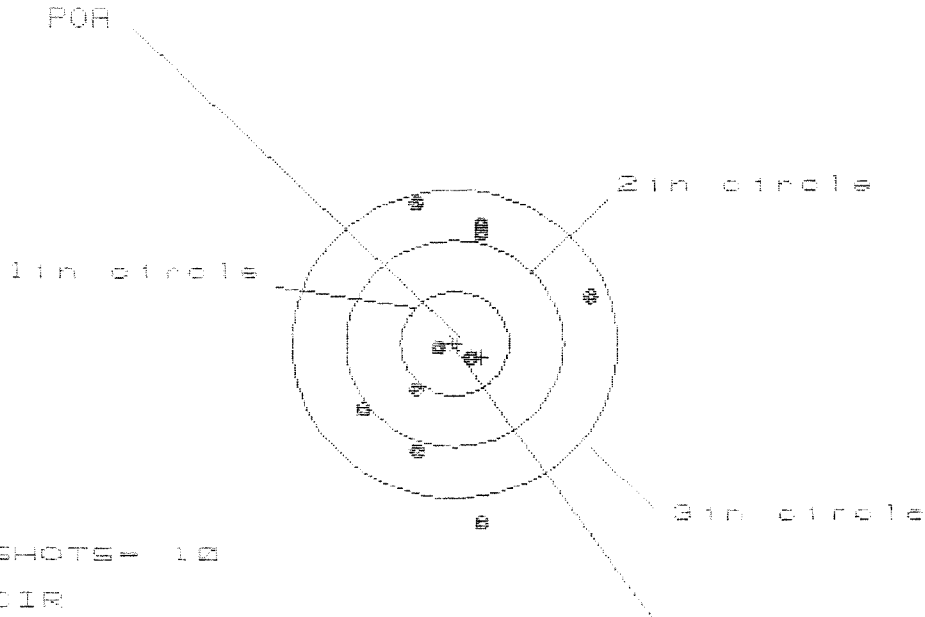
PATTERN #	1	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.641	1.614	.391
MINIMUM X	-.777	-.804	-.603
MAXIMUM Y	1.956	.982	1.052
MINIMUM Y	-1.082	-.864	-.794
CENTROID X	.447	.474	.273
CENTROID Y	.199	-.019	-.009
POA TO CENTROID in.	.490	.475	.287
MIN RADIUS	.249	.211	.046
MEAN RADIUS	.924	.759	.601
MAX RADIUS	1.971	1.709	1.095
HORIZONTAL SPREAD	2.418	2.418	.994
VERTICAL SPREAD	3.038	1.846	1.846
EXTREME SPREAD	3.071	2.456	1.969
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523443

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 3

3 in = 8

HS = 2.0000

VS = 3.0532

GS = 3.1055

CENTROID *

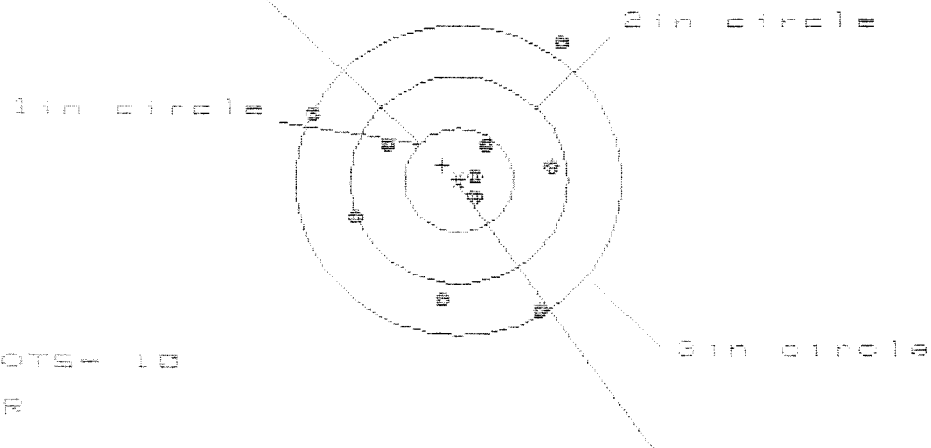
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.207	1.231	1.190
MINIMUM X	-0.873	-0.849	-0.890
MAXIMUM Y	1.319	1.126	1.068
MINIMUM Y	-1.734	-1.221	-1.080
CENTROID X	-0.248	-0.272	-0.231
CENTROID Y	.138	.331	.190
POR TO CENTROID in.	.284	.428	.299
MIN RADIUS	.102	.208	.130
MEAN RADIUS	.961	.888	.820
MAX RADIUS	1.747	1.268	1.264
HORIZONTAL SPREAD	2.080	2.080	2.080
VERTICAL SPREAD	3.053	2.347	2.148
EXTREME SPREAD	3.105	2.352	2.352
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		9	

7 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523443

CENTERFIRE PATTERNS # 5

POB



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 2.284

VS= 2.631

GS= 2.855

CENTROID +

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.964
MINIMUM X	-1.380
MAXIMUM Y	1.375
MINIMUM Y	-1.256
CENTROID X	.150
CENTROID Y	-.142
POB TO CENTROID in.	.207
MIN RADIUS	.197
MEAN RADIUS	.911
MAX RADIUS	1.645
HORIZONTAL SPREAD	2.284
VERTICAL SPREAD	2.631
EXTREME SPREAD	2.855
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	8

Arms Services Repair & Estimate System
BARBER - M24 0001051

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

Repair Inquiry

Repair Number: **RE00059324** Serial: C6523443 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: _____
 Verify Repair _____ Status: Closed 1/10/2003 8:22:40 AM

Address Information

Customer: _____ Received From: _____ Return To: _____ Received From: _____
 Name: **TRANSPORTATION OFFICER** **TRANSPORTATION OFFICER**
 Address 1: **USPFO FOR ARKANSAS ARMY NAT GUARD** **USPFO FOR ARKANSAS ARMY NAT GUARD**
 Address 2: **CAMP JOSEPH T ROBINSON** PO Box: _____ **CAMP JOSEPH T ROBINSON** PO Box: _____
 City: **NORTH LITTLE ROCK** **NORTH LITTLE ROCK**
 State: **AR** Zip Code: **72199** Country: **US** State: **AR** Zip Code: **72199** Country: **US**

FFL: _____

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing												
Contact Information Phone: _____ Fax: _____ Email: _____ Comments: _____	Received Condition Poor Condition Notes: _____ CSR Notes: _____	Accessories Received <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Stud</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>X</td> <td>FRT & REAR SGT BA</td> <td>1</td> </tr> </tbody> </table>			Code	Desc	Qty	A007	With Stud	1	A017	Scope Base	1	X	FRT & REAR SGT BA	1
Code	Desc	Qty														
A007	With Stud	1														
A017	Scope Base	1														
X	FRT & REAR SGT BA	1														

Repair Search **Refresh** **Close**

Start | naglelj | 1/10/2003 | 9:36 AM | CAPS | NUM | INS | SCRL | 2 Micros | 2 Micros | Arms Serv... | My Data... | My Exite... | 2 B-PL... | 9:36 AM

Serial Number: **C6523443**
 Model: **700**

RE00059324

SERIAL # C 6523443INSPECTED BY: RTLDATE REC'D: 1-10-03DATE RET'D: 1-30-03

ITEM

BARREL ASSEMBLY

☒ BARREL
☒ RECEIVER
☒ FRONT SIGHT BASE
☒ REAR SIGHT BASE
☒ SCREWS
☒ FINISH

SCOPE ASSEMBLY

☐ SCOPE
☐ SCOPE RINGS
☐ MOUNTING SCREWS
☐ MOUNTING BASE
☐ SCREWS
☐ FINISH
☐ CLARITY

ITEM

STOCK ASSEMBLY

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

SYSTEMS CASE

☐ SCOPE CASE
☐ IRON SIGHTS
☐ DEPLOYMENT KIT

TRIGGER ASSEMBLY

☒ SAFETY OPERATION
☒ RE-SET TO FACTORY SPECS

COMMENTS:

INITIAL & CYCLE TESTS

BARBER - M24 0001053

3.00# ± .75#

4.00# ± 1.00#

DATE 1-13-03

TESTER TRW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.42		2.48	MIN. SETTING
PULL #2	2.35	2.30		2.44	NO AVG. OF 5
PULL #3	2.33	2.28		2.39	READINGS ACCEPT
PULL #4	2.28	2.26		2.40	ABLE LESS THAN
PULL #5	2.31	2.27		2.39	
TOTAL	11.77	11.53		12.10	
AVG.	2.35	2.30		2.42	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.20		
PULL #2	3.14	3.04		
PULL #3	3.23	3.08		
PULL #4	3.02	3.11		
PULL #5	3.18	3.06		
TOTAL	15.74	15.49		
AVG.	3.14	3.09		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# & TARGET & ACCU
PULL #1	4.10	4.25		4.10
PULL #2	4.17	4.07		4.18
PULL #3	4.13	4.12		4.16
PULL #4	4.10	4.05		4.18
PULL #5	4.16	4.16		4.16
TOTAL	20.66	20.65		20.78
AVG.	4.13	4.13		4.15

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523443.__0
FILE DATE AND TIME: 01/29/2003 15:30

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.038
The Average Y Centroid of the Five Target Set:	-0.029
The Average Point of Impact of the Five Target Set:	0.048
The Average Mean Radius of the Five Target Set:	0.527
The Distance from POA to Centroid Target #1:	0.178
The Distance from Centroid Target #2 to Centroid Target #1:	0.168
The Distance from Centroid Target #3 to Centroid Target #1:	0.212
The Distance from Centroid Target #4 to Centroid Target #1:	0.197
The Distance from Centroid Target #5 to Centroid Target #1:	0.224

SERIAL NUMBER: C6523443. __ 0

TARGET NUMBER: 1

FILE DATE: 01/29/2003

FILE TIME: 15:30

POINT#	X	Y
1:	0.565	0.739
2:	0.676	0.206
3:	0.401	-0.235
4:	-0.062	-0.450
5:	-0.112	-0.200
6:	-1.153	-0.205
7:	-0.523	-0.180
8:	-0.625	0.242
9:	-0.404	0.454
10:	-0.441	0.217

X CENTROID: -0.168

Y CENTROID: 0.059

POA TO CENTROID: 0.178

HORZ SPREAD: 1.829

VERT SPREAD: 1.189

GROUP SPREAD: 1.960

MIN RADIUS: 0.265

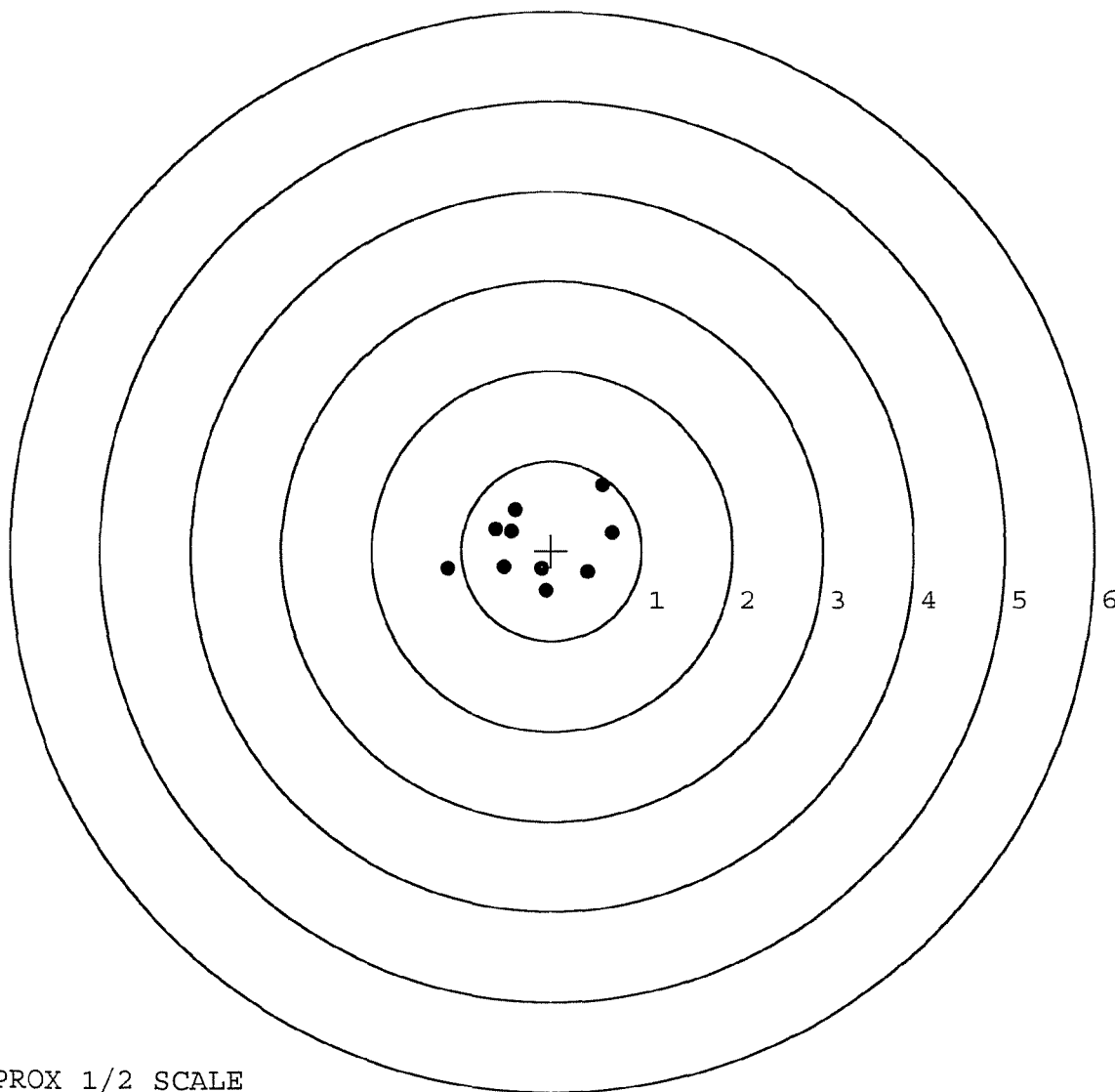
MAX RADIUS: 1.020

MEAN RADIUS: 0.600

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523443. __0

TARGET NUMBER: 2

FILE DATE: 01/29/2003

FILE TIME: 15:30

POINT#	X	Y
1:	0.730	-0.349
2:	-0.740	-0.354
3:	-0.432	-0.318
4:	-0.525	0.428
5:	-0.087	0.140
6:	0.162	0.670
7:	0.311	-0.062
8:	0.049	-0.169
9:	0.252	-0.349
10:	0.021	0.054

X CENTROID: -0.026

Y CENTROID: -0.031

POA TO CENTROID: 0.040

HORZ SPREAD: 1.470

VERT SPREAD: 1.024

GROUP SPREAD: 1.476

MIN RADIUS: 0.097

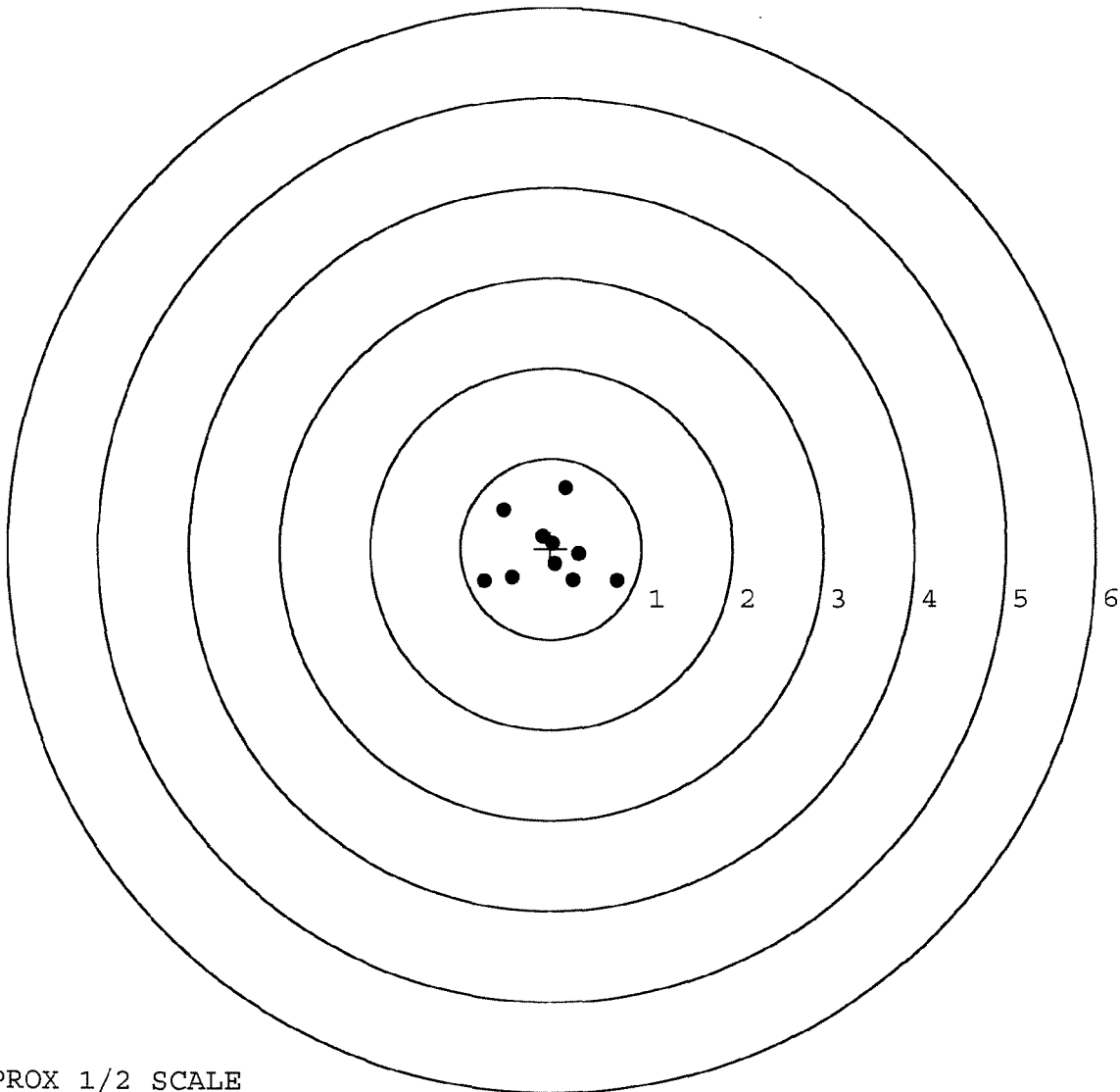
MAX RADIUS: 0.820

MEAN RADIUS: 0.470

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523443. 0

TARGET NUMBER: 3

FILE DATE: 01/29/2003

FILE TIME: 15:30

X CENTROID: -0.030

Y CENTROID: -0.102

POA TO CENTROID: 0.107

HORZ SPREAD: 1.690

VERT SPREAD: 1.438

GROUP SPREAD: 1.690

MIN RADIUS: 0.075

MAX RADIUS: 0.922

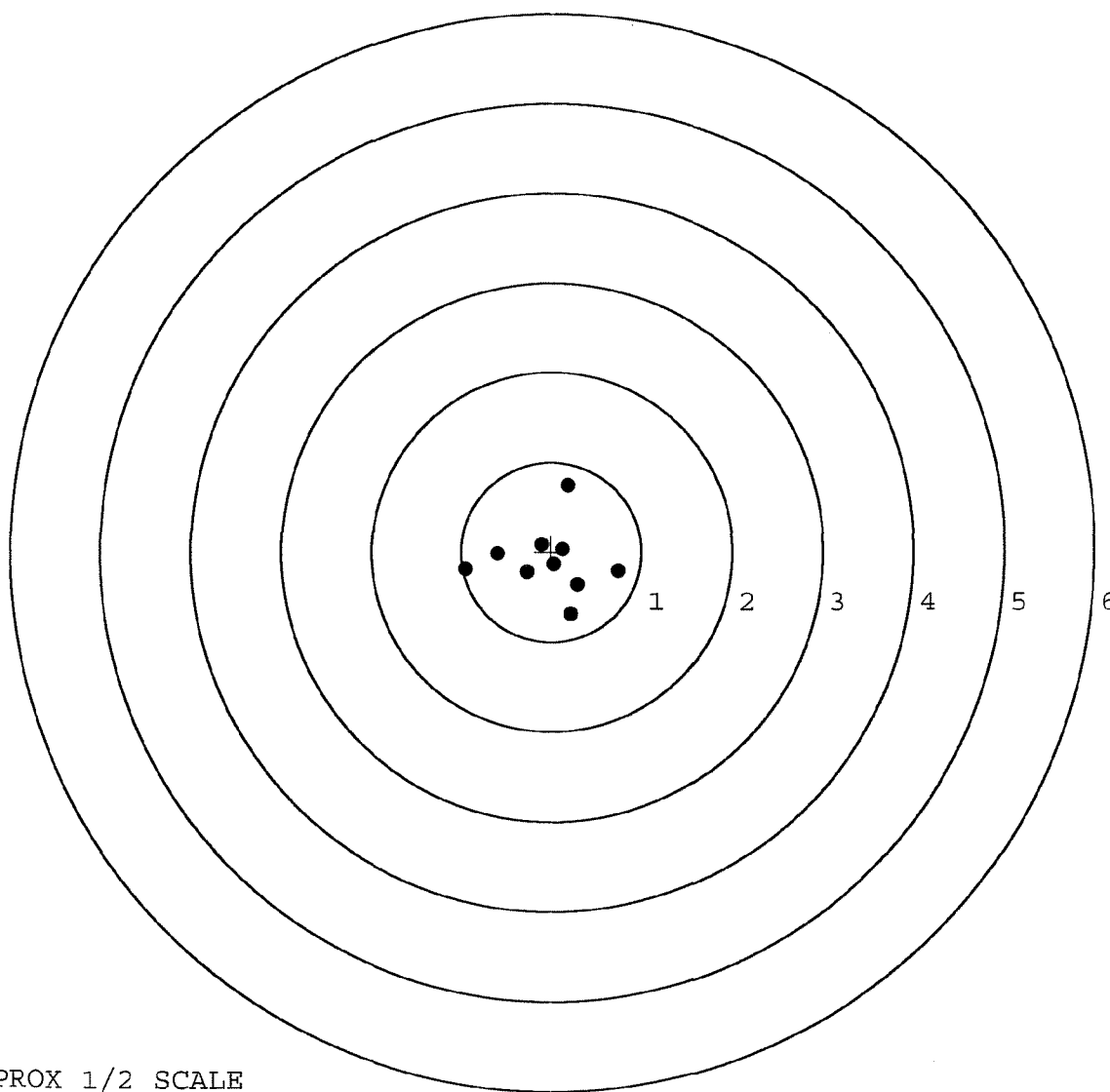
MEAN RADIUS: 0.497

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.226	-0.695
2:	0.299	-0.372
3:	0.742	-0.217
4:	0.181	0.743
5:	-0.594	-0.021
6:	-0.948	-0.194
7:	-0.269	-0.232
8:	0.033	-0.143
9:	0.133	0.027
10:	-0.108	0.081



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523443. __0

TARGET NUMBER: 4

FILE DATE: 01/29/2003

FILE TIME: 15:30

POINT#	X	Y
1:	0.685	-0.923
2:	0.166	-0.316
3:	0.332	0.353
4:	-0.093	0.350
5:	-0.234	0.309
6:	-0.228	0.072
7:	-0.007	0.177
8:	-0.295	-0.061
9:	-0.078	-0.066
10:	-0.302	-0.417

X CENTROID: -0.005

Y CENTROID: -0.052

POA TO CENTROID: 0.052

HORZ SPREAD: 0.987

VERT SPREAD: 1.276

GROUP SPREAD: 1.537

MIN RADIUS: 0.074

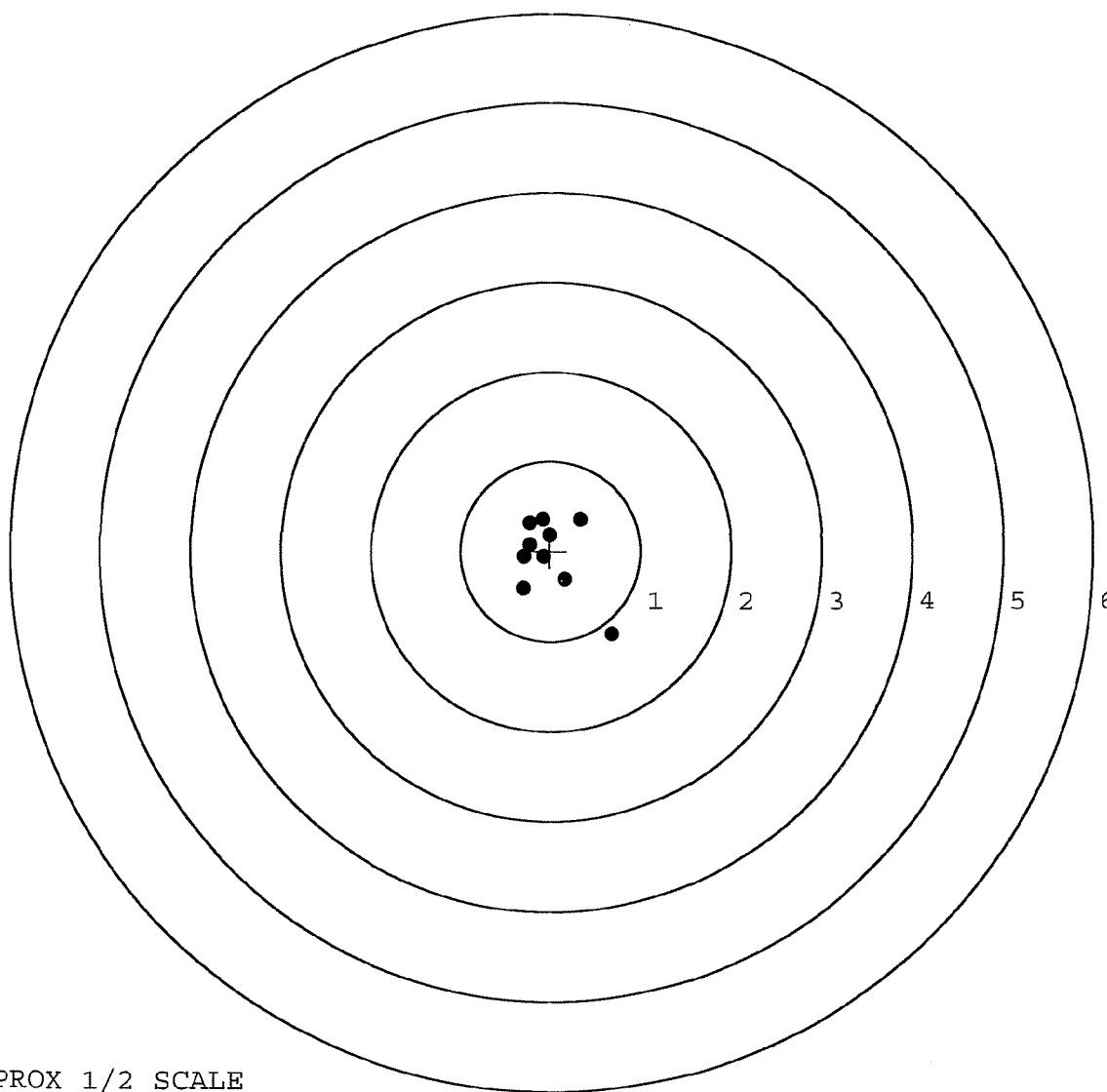
MAX RADIUS: 1.111

MEAN RADIUS: 0.411

IN 1 IN DIAMETER: 8

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

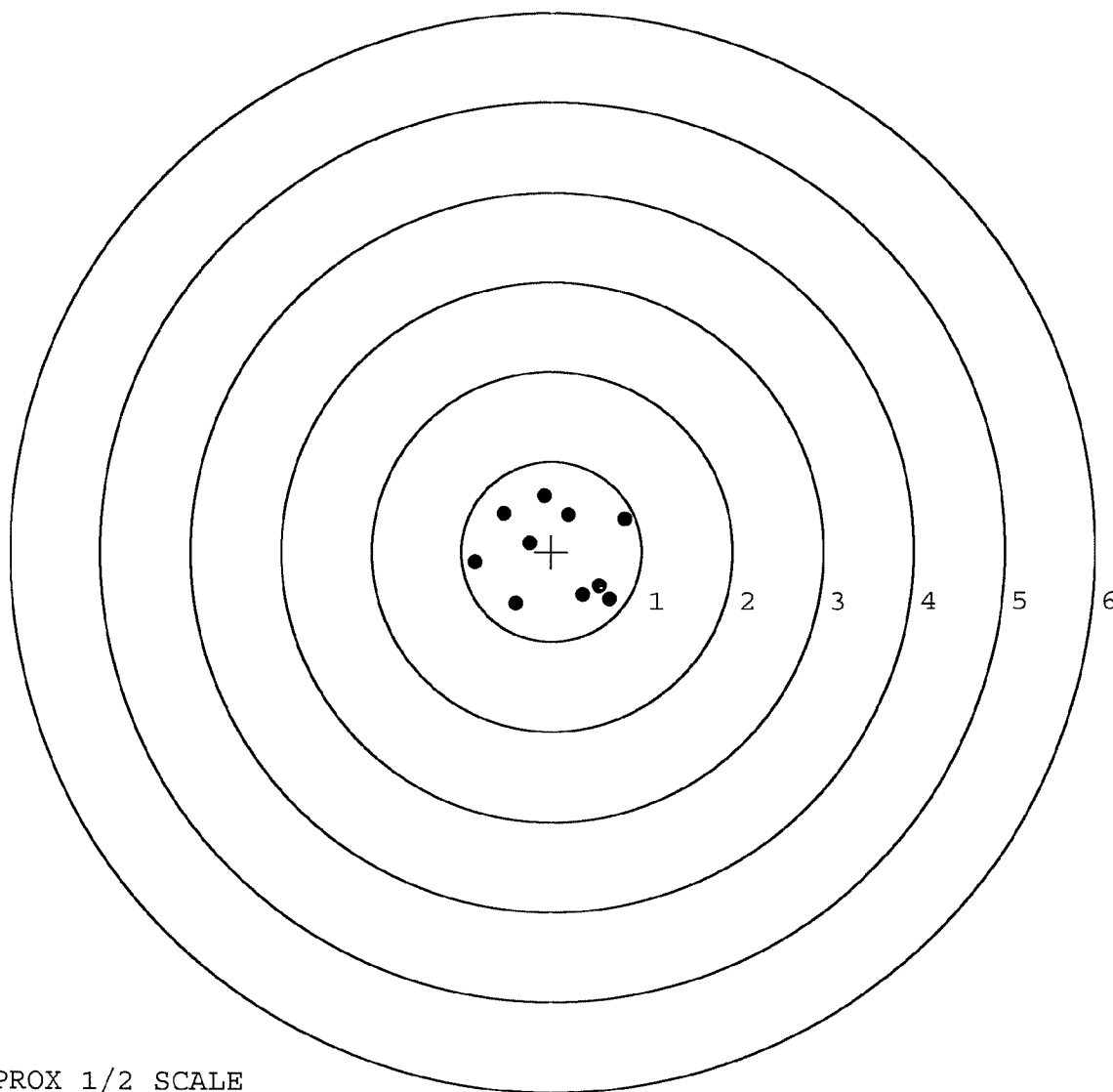


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523443. __0
 TARGET NUMBER: 5
 FILE DATE: 01/29/2003
 FILE TIME: 15:30

POINT#	X	Y
1:	0.640	-0.531
2:	0.531	-0.382
3:	0.347	-0.486
4:	-0.394	-0.583
5:	-0.853	-0.123
6:	0.813	0.366
7:	0.191	0.411
8:	-0.086	0.620
9:	-0.529	0.423
10:	-0.242	0.095

X CENTROID: 0.042
 Y CENTROID: -0.019
 POA TO CENTROID: 0.046
 HORZ SPREAD: 1.666
 VERT SPREAD: 1.203
 GROUP SPREAD: 1.736
 MIN RADIUS: 0.306
 MAX RADIUS: 0.901
 MEAN RADIUS: 0.656
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

[illegible]

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	00059324		
SERIAL NUMBER	C-6523443		
LOG-IN DATE	1-10-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-14-03	RW
560 A	RE-BARREL	1-14-03	DA
B	DRILL AND TAP	1-20-03	TRW
575	ASSEMBLE	1-15-03	RL
600	PROOF	1-16-03	RW
605	CHECK HEADSPACE	1-16-03	RW
610	DIS-ASSEMBLE GUN	1-16-03	RW
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST	1-21-03	JA
620	APPLY COATINGS	1-22	TA
625 A	FINAL ASSEMBLY	1/24/03	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	1-28-03	AC
655	FINAL INSPECT	1-29-03	RTL
660	PACK	1-30-03	DA
		SHIP DATE	
	QAR INSPECTION DATE		