

G669 5359
Replaces
C6587631

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: **RE00156475**

 Serial: C6587631 Model M24 SWS Center Fire
 Caliber: 7.62 NATO Produced: 12/18/1990

Repairman:

Status: Closed 12/6/2008 7:41:08 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEPARTMENT OF THE ARMY SUPPLY OFFICER

DEPARTMENT OF THE ARMY SUPPLY OFFICER

Address 1: DOL SISA BLDG 9660 BAY A

DOL SISA BLDG 9660 BAY A

Address 2: BOX 339500 MAIL STOP 181

PO Box:

BOX 339500 MAIL STOP 181

PO Box:

City: FORT LEWIS

FORT LEWIS

State: WA

Zip Code: 98433

Country: US

State: WA

Zip Code: 98433

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
A008	With Swivel	2
A010	Hard Case A 2	1
A017	Scope Base	1
A045	BiPod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

12/8/2008

12:26 PM

CAPS

NUM

INS

SCRL



12:26 PM

66695359

C6587631

Model: M24 SWS



RE00156475

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

R & E NUMBER

156475

SERIAL NUMBER

~~06587631~~

G6695359

LOG-IN DATE

12-6-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	12-8-08	RTZ
505	RE-BARREL	12-10-08	RTZ
560	ASSEMBLE	12-11-08	RTZ
600	PROOF	12-15-08	RTZ
605	CHECK HEADSPACE	12-15-08	RTZ
610	DIS-ASSEMBLE GUN	12-15-08	RTZ
612	MAGNAFLUX	12-15-08	RTZ
510	DRILL AND TAP	12-15-08	RTZ
615	ROLLMARK CALIBER	12-15-08	RTZ
618	ROTO-BLAST	1-1-09	RTZ
620	APPLY COATINGS	1-1-09	RTZ
625	FINAL ASSEMBLY	1-8-09	RTZ
640	FUNCTION TEST AND	1-8-09	RTZ
650	TARGET	1-8-09	RTZ
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	1-12-09	RTZ
	A) HEADSPACE	1-12-09	RTZ
	B) TRIGGER PULL	2.24 2.22 2.20 2.24 2.22	1-12-09 RTZ
680	F) SAFETY ON FORCE	4.0 4.0 3.0	1-12-09 RTZ
	G) SAFETY OFF FORCE	5.0 6.0 6.0	1-12-09 RTZ
	I) FIRING PIN INDENT	0.022 0.022 0.022	1-12-09 RTZ
690	PACK	1-12-09	RTZ

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6695359. __0

FILE DATE AND TIME: 01/09/2009 07:13

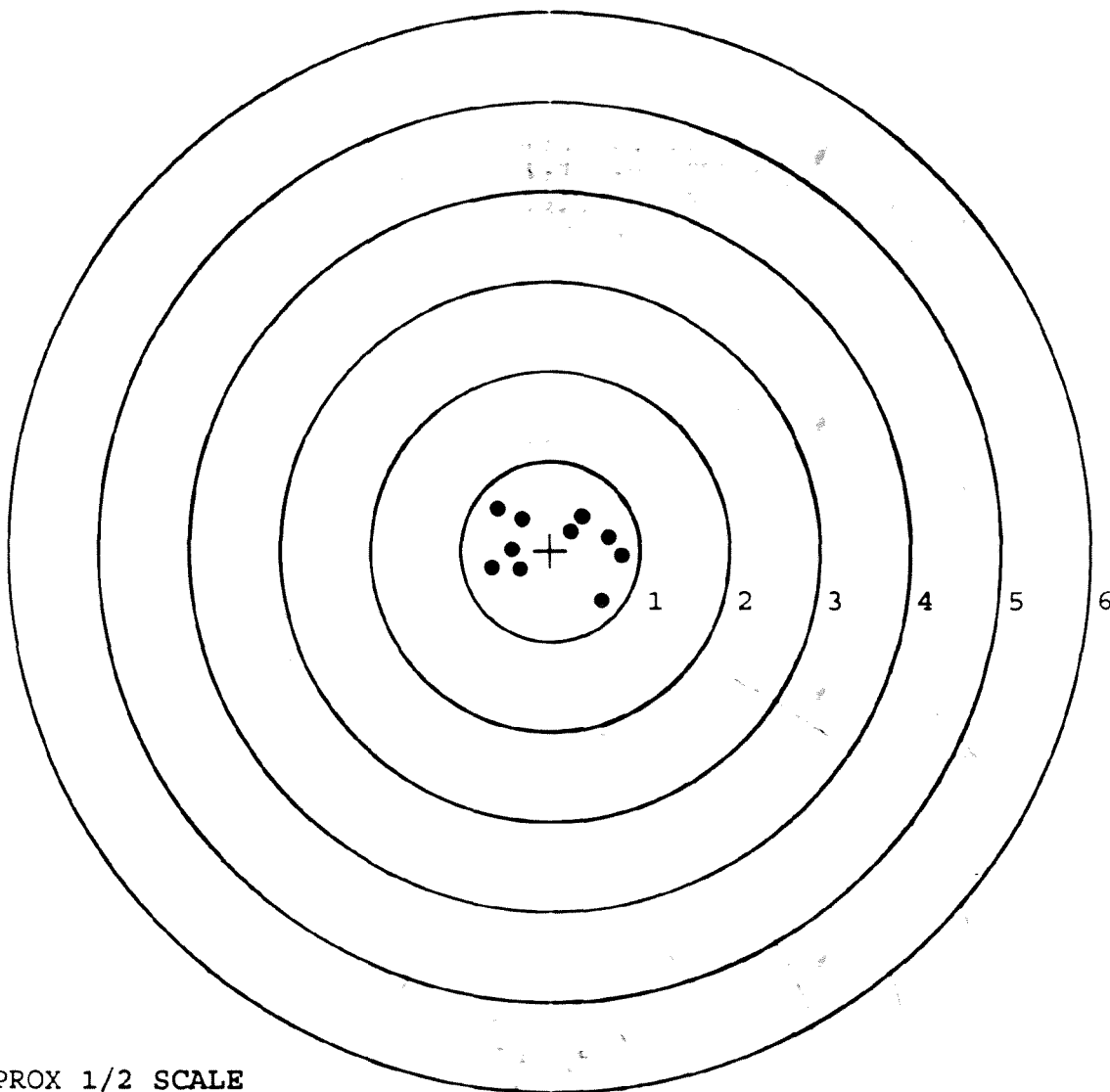
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.119
The Average Y Centroid of the Five Target Set:	-0.025
The Average Point of Impact of the Five Target Set:	0.122
The Average Mean Radius of the Five Target Set:	0.663
The Distance from POA to Centroid Target #1:	0.063
The Distance from Centroid Target #2 to Centroid Target #1:	0.120
The Distance from Centroid Target #3 to Centroid Target #1:	0.248
The Distance from Centroid Target #4 to Centroid Target #1:	0.180
The Distance from Centroid Target #5 to Centroid Target #1:	0.080

SERIAL NUMBER: G6695359. 0
 TARGET NUMBER: 1
 FILE DATE: 01/09/2009
 FILE TIME: 07:13

POINT#	X	Y
1:	0.568	-0.547
2:	0.797	-0.059
3:	0.646	0.155
4:	0.353	0.376
5:	0.230	0.207
6:	-0.320	0.350
7:	-0.588	0.469
8:	-0.432	0.019
9:	-0.337	-0.212
10:	-0.651	-0.190

X CENTROID: 0.027
 Y CENTROID: 0.057
 POA TO CENTROID: 0.063
 HORZ SPREAD: 1.448
 VERT SPREAD: 1.016
 GROUP SPREAD: 1.539
 MIN RADIUS: 0.253
 MAX RADIUS: 0.811
 MEAN RADIUS: 0.575
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



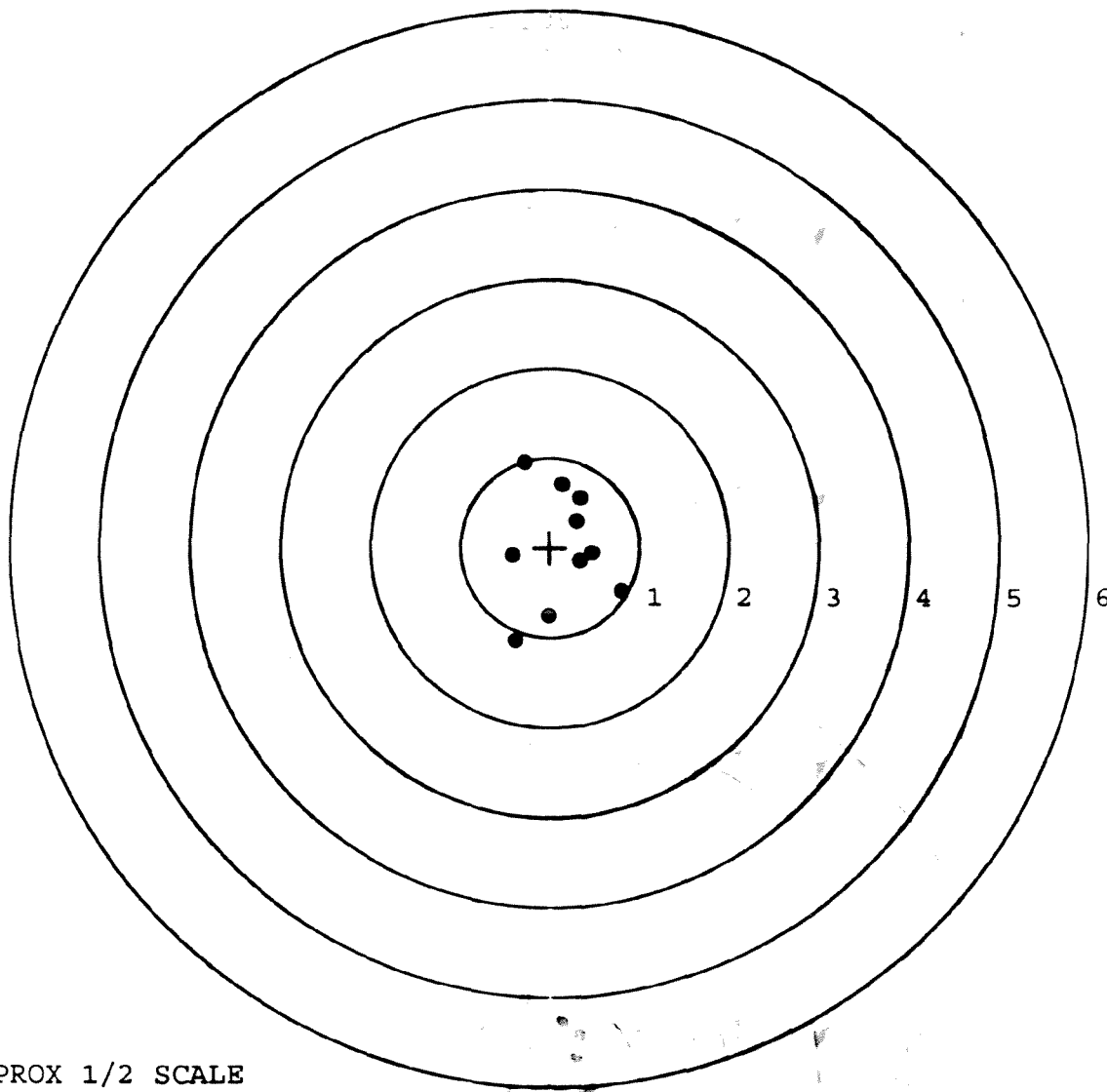
TARGET APPROX 1/2 SCALE

BARBER - M24 0180345

SERIAL NUMBER: G6695359. 0
 TARGET NUMBER: 2
 FILE DATE: 01/09/2009
 FILE TIME: 07:13

POINT#	X	Y
1:	-0.389	-1.041
2:	-0.021	-0.767
3:	-0.419	-0.089
4:	0.805	-0.492
5:	0.334	-0.143
6:	0.472	-0.054
7:	0.298	0.298
8:	0.336	0.552
9:	0.135	0.701
10:	-0.282	0.952

X CENTROID: 0.127
 Y CENTROID: -0.008
 POA TO CENTROID: 0.127
 HORZ SPREAD: 1.224
 VERT SPREAD: 1.993
 GROUP SPREAD: 1.996
 MIN RADIUS: 0.247
 MAX RADIUS: 1.154
 MEAN RADIUS: 0.661
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0180346

SERIAL NUMBER: G6695359. 0

TARGET NUMBER: 3

FILE DATE: 01/09/2009

FILE TIME: 07:13

POINT#	X	Y
1:	-0.284	-1.284
2:	0.217	-0.710
3:	0.474	-0.668
4:	0.607	-0.619
5:	0.821	-0.609
6:	0.583	0.420
7:	0.251	0.244
8:	0.078	0.672
9:	-0.191	0.799
10:	-0.499	0.603

X CENTROID: 0.206

Y CENTROID: -0.115

POA TO CENTROID: 0.236

HORZ SPREAD: 1.320

VERT SPREAD: 2.083

GROUP SPREAD: 2.085

MIN RADIUS: 0.362

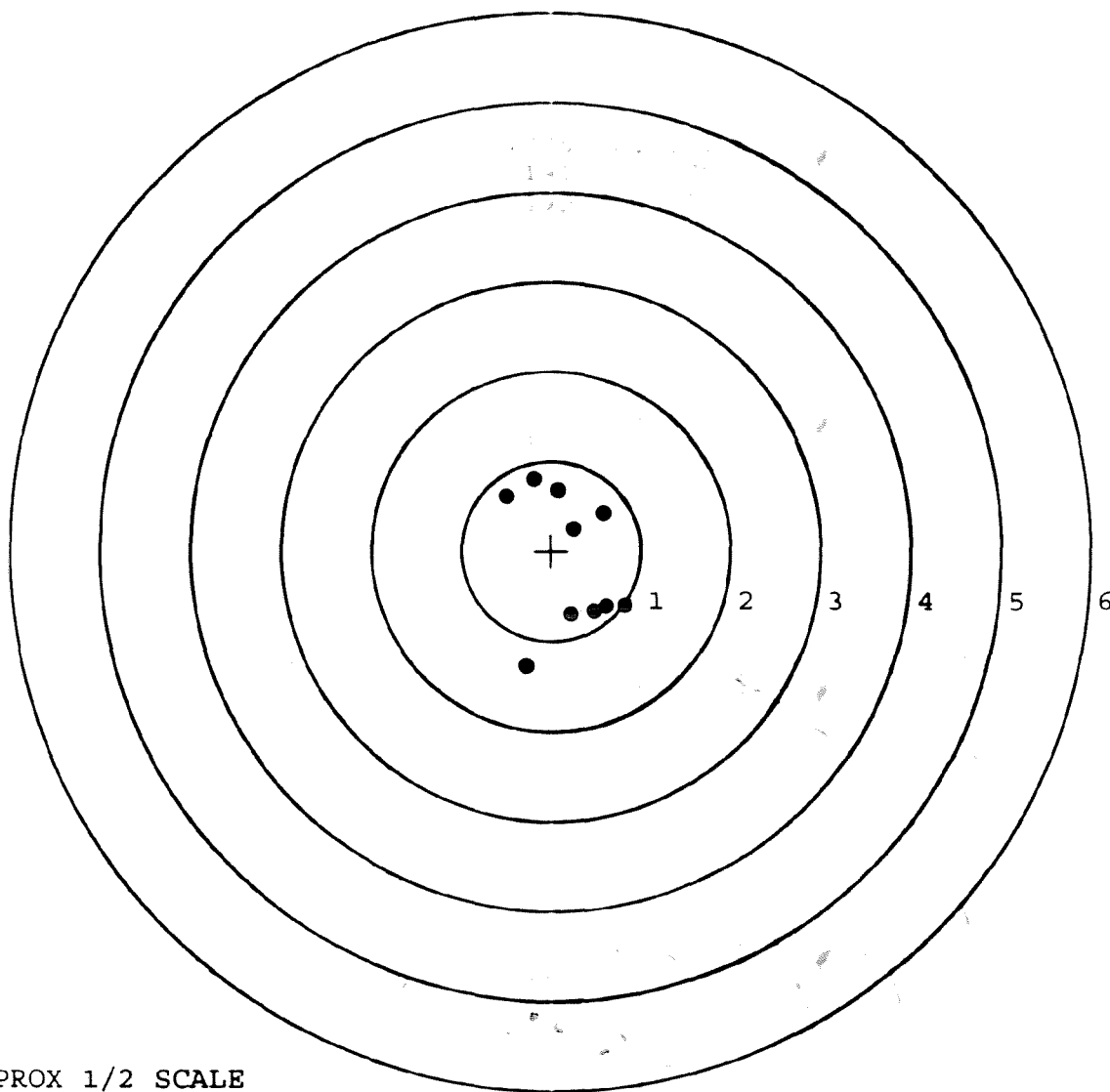
MAX RADIUS: 1.267

MEAN RADIUS: 0.773

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

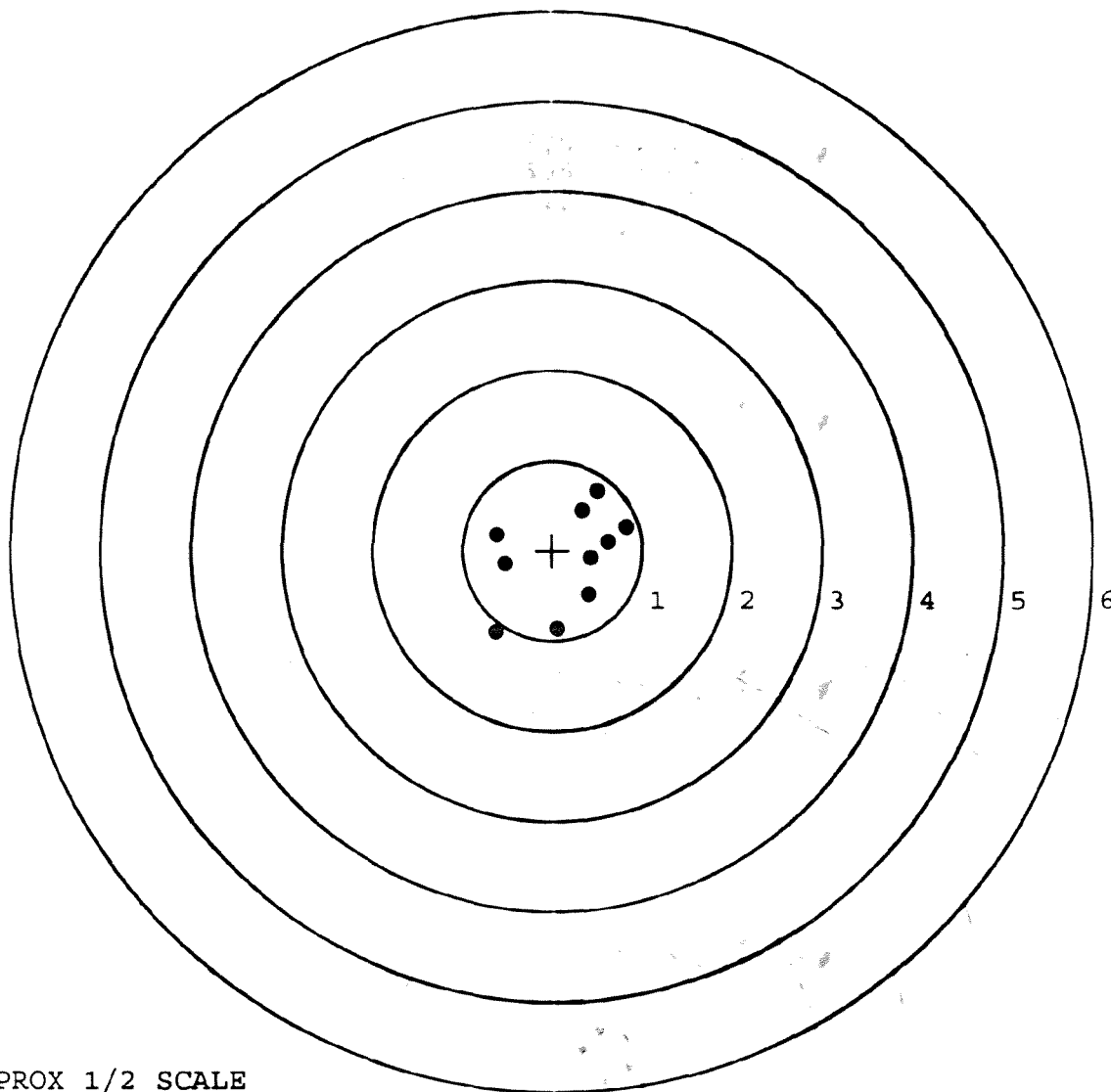


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695359. 0
 TARGET NUMBER: 4
 FILE DATE: 01/09/2009
 FILE TIME: 07:13

POINT#	X	Y
1:	-0.635	-0.910
2:	0.049	-0.874
3:	-0.521	-0.150
4:	-0.622	0.175
5:	0.405	-0.488
6:	0.431	-0.084
7:	0.616	0.100
8:	0.826	0.266
9:	0.505	0.664
10:	0.328	0.453

X CENTROID: 0.138
 Y CENTROID: -0.085
 POA TO CENTROID: 0.162
 HORZ SPREAD: 1.461
 VERT SPREAD: 1.574
 GROUP SPREAD: 1.943
 MIN RADIUS: 0.293
 MAX RADIUS: 1.131
 MEAN RADIUS: 0.686
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

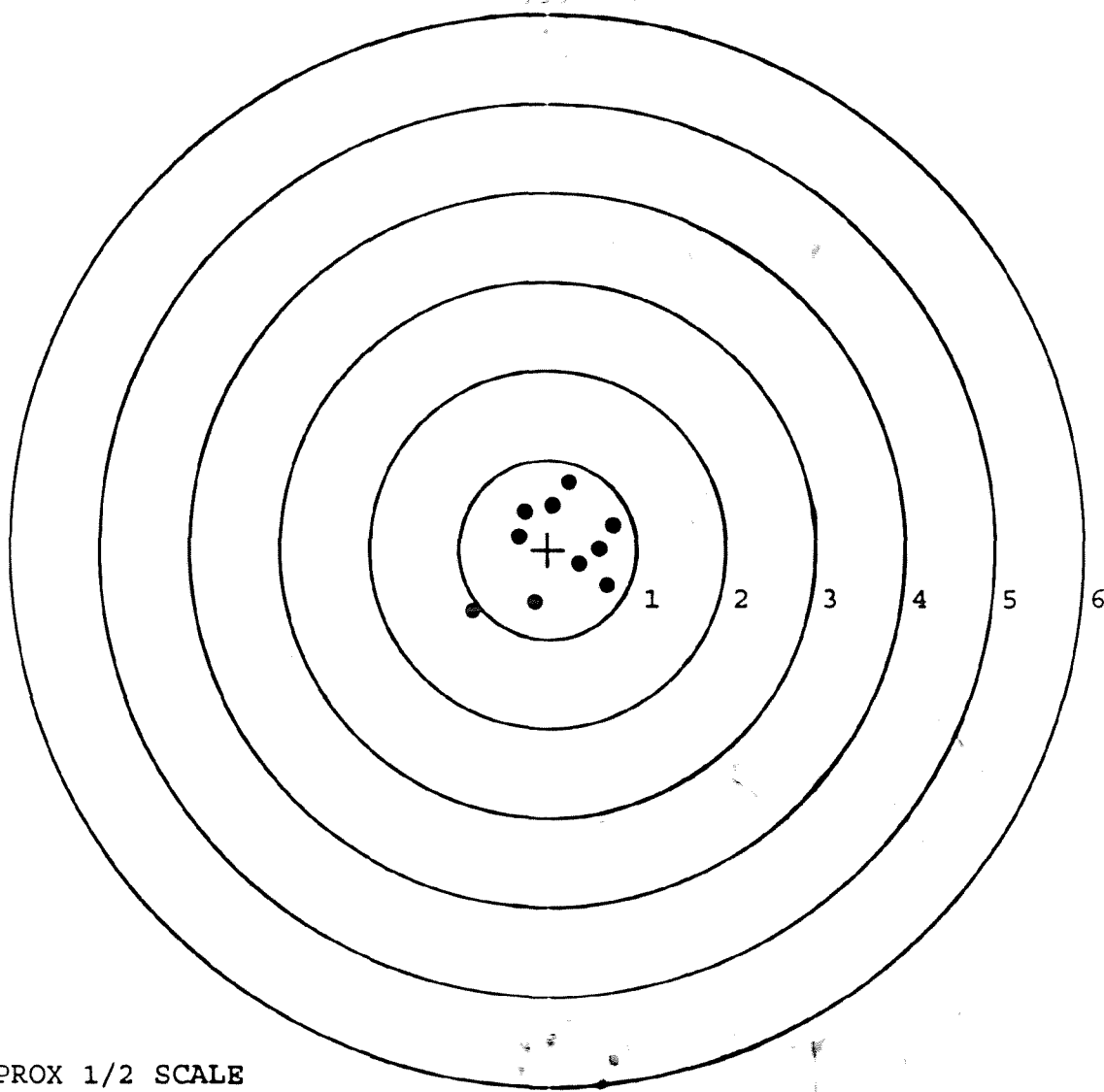


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695359. 0
 TARGET NUMBER: 5
 FILE DATE: 01/09/2009
 FILE TIME: 07:13

POINT#	X	Y
1:	-0.852	-0.699
2:	-0.150	-0.589
3:	0.665	-0.405
4:	0.347	-0.158
5:	0.576	0.017
6:	0.731	0.267
7:	0.235	0.756
8:	0.047	0.494
9:	-0.266	0.416
10:	-0.333	0.143

X CENTROID: 0.100
 Y CENTROID: 0.024
 POA TO CENTROID: 0.103
 HORZ SPREAD: 1.583
 VERT SPREAD: 1.455
 GROUP SPREAD: 1.854
 MIN RADIUS: 0.307
 MAX RADIUS: 1.196
 MEAN RADIUS: 0.623
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Army 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: **RE00106762** Serial: C6587631 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 1/16/2006 8:53:16 AM

Verify Repair

Address Information

Customer: ☒ Received From: ☐ Return To: ☐ Received From:

Name: **JOINT TRANSPORT DIV** **JOINT TRANSPORT DIV**

Address 1: **BLDG 9611** **BLDG 9611**

Address 2: PO Box: PO Box:

City: **FORT LEWIS** **FORT LEWIS**

State: **WA** Zip Code: **98433** Country: **US** State: **WA** Zip Code: **98433** Country: **US**

FFL:

☒ Contact / Condition
 ☐ Problems
 ☐ Estimate
 ☐ History / Status
 ☐ Shipping / Billing

Contact Information:

Phone: **253-966-5597**

Fax:

Email:

Comments:

Received Condition:

Fair:

Condition Notes:

CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1
C000	WOOD CASE	1

naglej 1/16/2006 8:53 AM CAPS NUM INS SCPL

start 3 Arms Service 4 2

Serial Number: **C6587631**

Model: **M24 SWS**



RE00106762

ATTN: Remington Arms Co. Inc.

The deficiencies on the M24 SWS contained herein are as follows:

C6587631:

- No scope
- Barrel not free-floating

C6587630:

- Buttstock can't adjust (held on with 100mph tape)
- Bipod can't adjust (held together with 100mph tape)
- No scope

Both rifles were missing all BII. Please contact our unit with information regarding the replacement of the following items:

- Soft carrying case
- Sling
- Deployment case
- Day optic sight case
- System case
- Scope

Please direct any questions or information to the following personnel:

CPT Joshua Dailey
HHT 1/2 CR XO
Comm: (253) 966-5587
DSN: 347-5587

1SG John Horney
HHT 1/2 CR 1SG
Comm: (253) 966-5524
DSN: 347-5524

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587631.___0
FILE DATE AND TIME: 01/26/2006 12:49

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

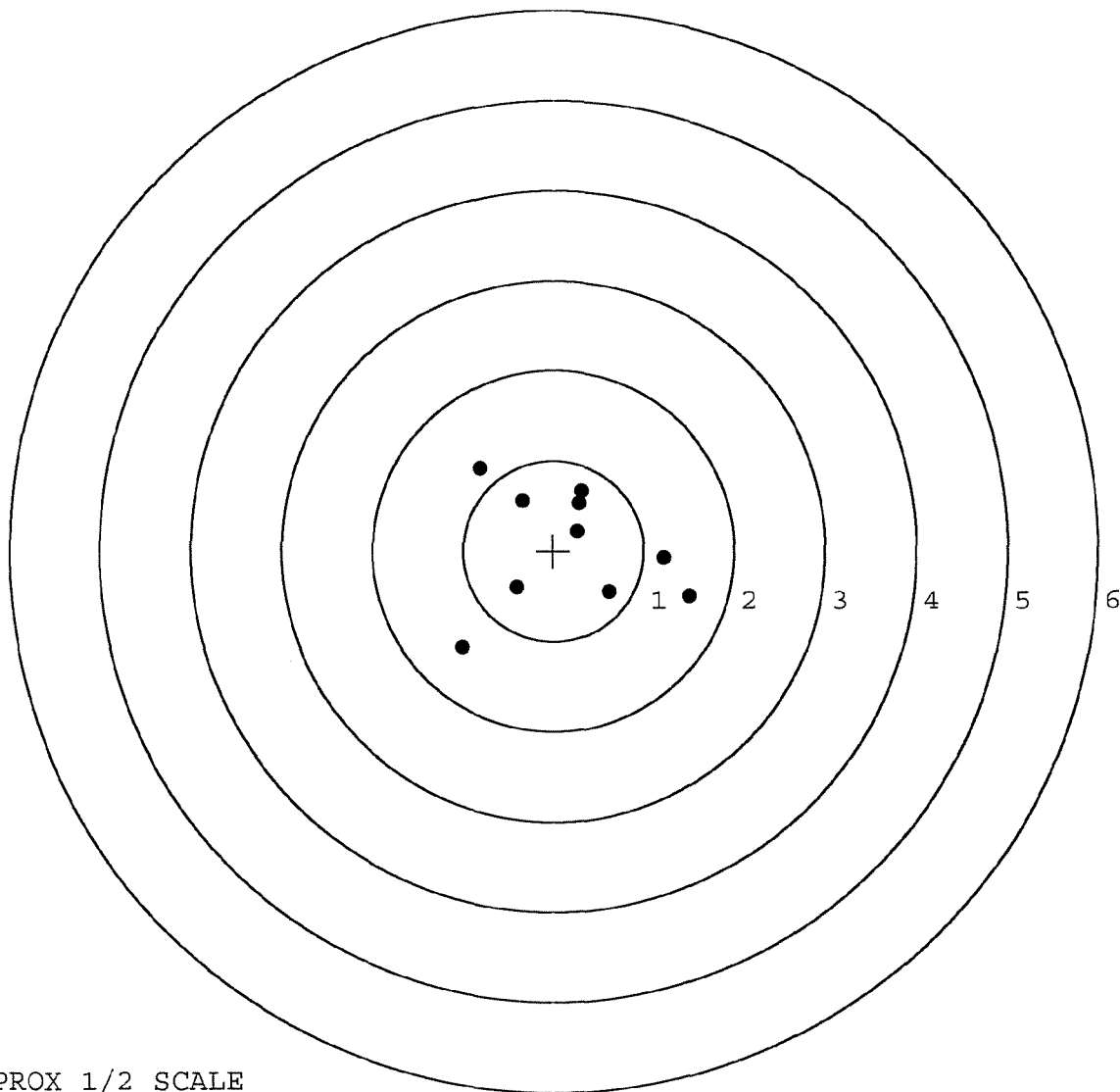
The Average X Centroid of the Five Target Set:	0.066
The Average Y Centroid of the Five Target Set:	0.018
The Average Point of Impact of the Five Target Set:	0.069
The Average Mean Radius of the Five Target Set:	0.803
The Distance from POA to Centroid Target #1:	0.167
The Distance from Centroid Target #2 to Centroid Target #1:	0.162
The Distance from Centroid Target #3 to Centroid Target #1:	0.138
The Distance from Centroid Target #4 to Centroid Target #1:	0.114
The Distance from Centroid Target #5 to Centroid Target #1:	0.209

BARBER - M24 0180352

SERIAL NUMBER: C6587631. __0
 TARGET NUMBER: 1
 FILE DATE: 01/26/2006
 FILE TIME: 12:49

POINT#	X	Y
1:	1.505	-0.508
2:	1.223	-0.083
3:	0.617	-0.457
4:	-0.403	-0.408
5:	0.266	0.220
6:	0.280	0.533
7:	0.313	0.661
8:	-0.346	0.560
9:	-0.813	0.914
10:	-1.010	-1.074

X CENTROID: 0.163
 Y CENTROID: 0.036
 POA TO CENTROID: 0.167
 HORZ SPREAD: 2.515
 VERT SPREAD: 1.988
 GROUP SPREAD: 2.578
 MIN RADIUS: 0.211
 MAX RADIUS: 1.615
 MEAN RADIUS: 0.893
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



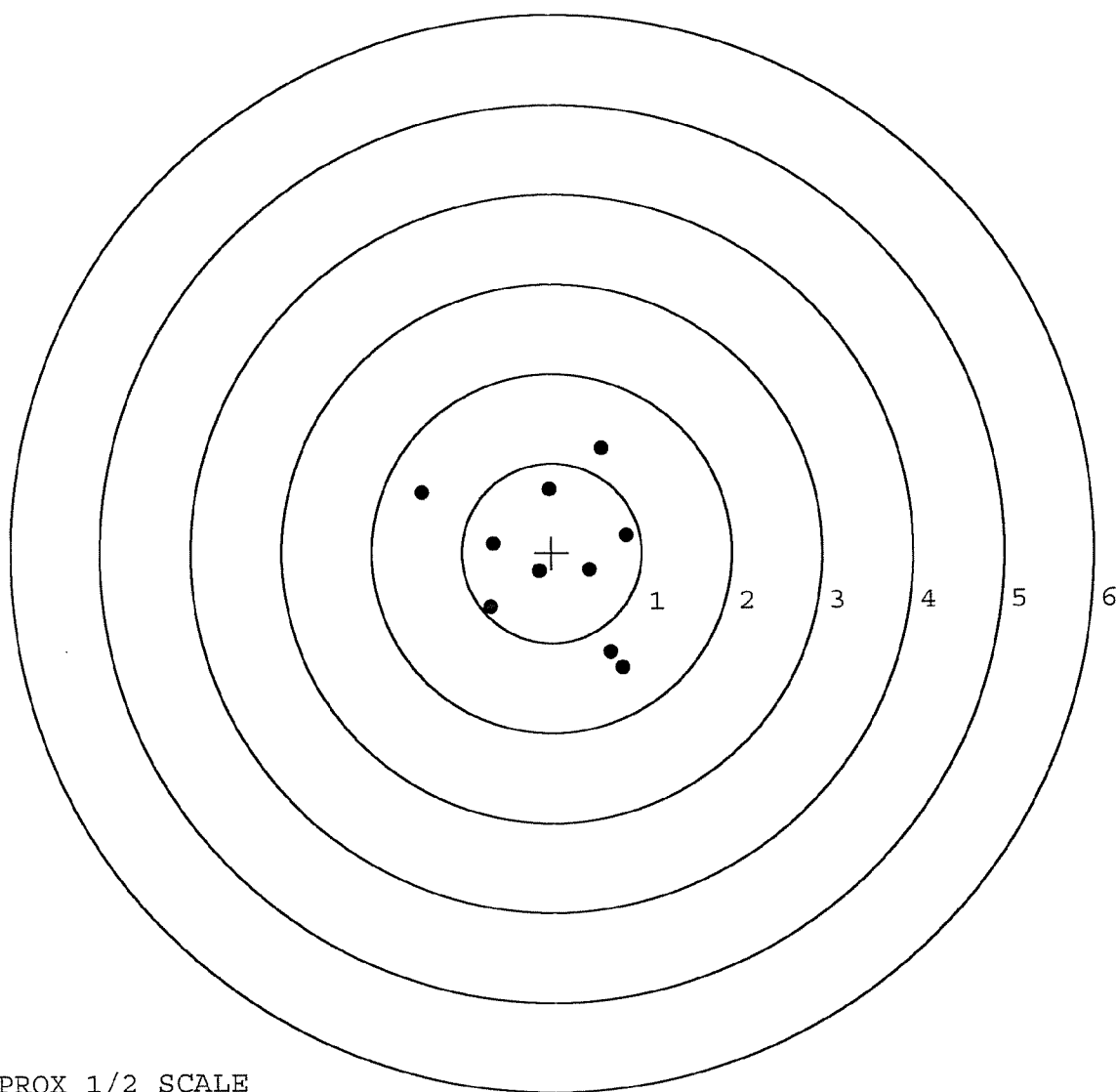
TARGET APPROX 1/2 SCALE

BARBER - M24 0180353

SERIAL NUMBER: C6587631. __0
 TARGET NUMBER: 2
 FILE DATE: 01/26/2006
 FILE TIME: 12:49

POINT#	X	Y
1:	0.782	-1.282
2:	0.651	-1.113
3:	0.827	0.188
4:	0.416	-0.195
5:	-0.142	-0.208
6:	-0.680	-0.611
7:	-0.652	0.102
8:	-1.434	0.677
9:	-0.032	0.710
10:	0.560	1.165

X CENTROID: 0.030
 Y CENTROID: -0.057
 POA TO CENTROID: 0.064
 HORZ SPREAD: 2.261
 VERT SPREAD: 2.447
 GROUP SPREAD: 2.958
 MIN RADIUS: 0.229
 MAX RADIUS: 1.637
 MEAN RADIUS: 0.948
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



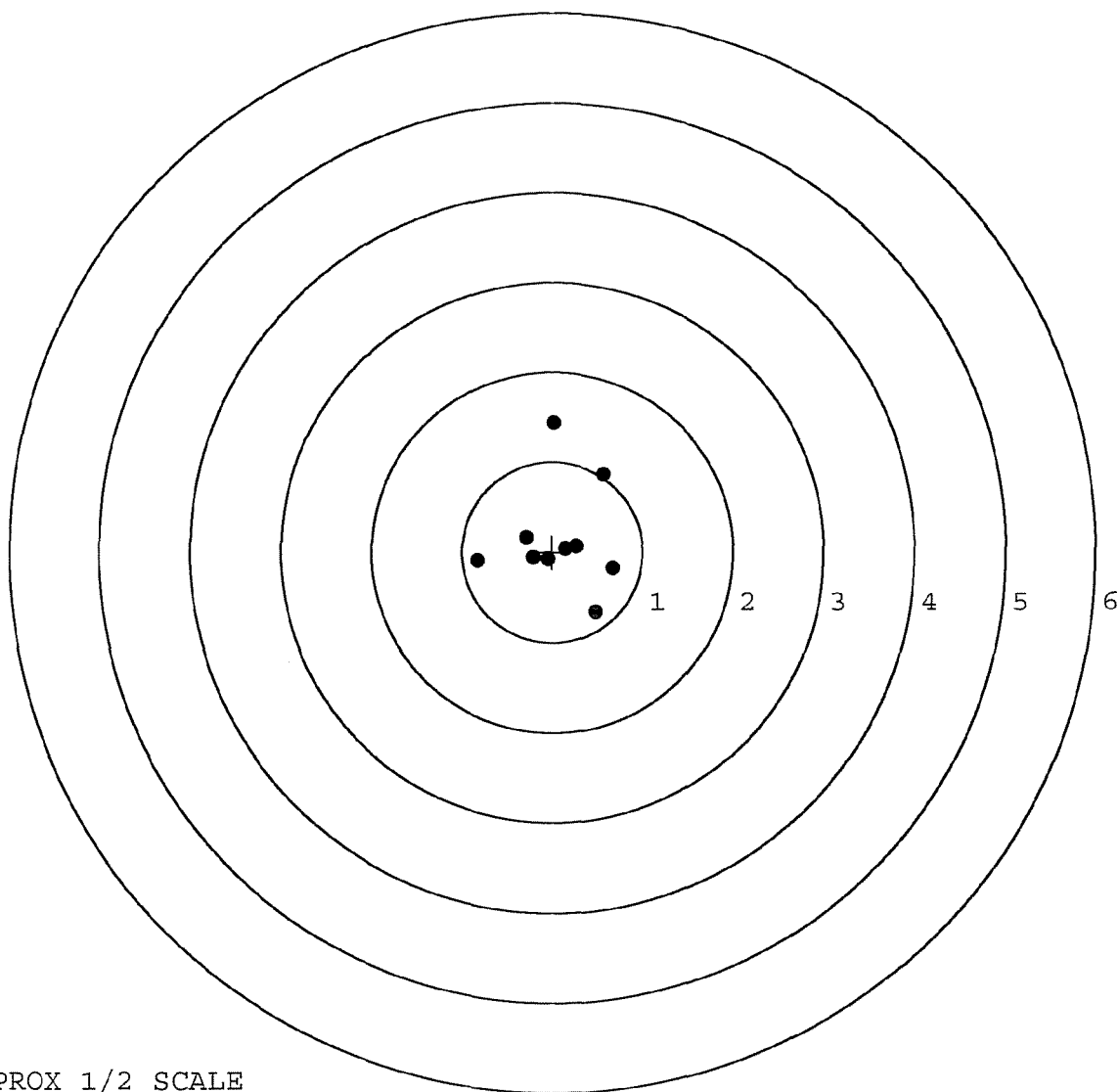
TARGET APPROX 1/2 SCALE

BARBER - M24 0180354

SERIAL NUMBER: C6587631. __0
 TARGET NUMBER: 3
 FILE DATE: 01/26/2006
 FILE TIME: 12:49

POINT#	X	Y
1:	0.483	-0.662
2:	0.675	-0.177
3:	0.569	0.862
4:	0.019	1.427
5:	-0.820	-0.100
6:	-0.290	0.161
7:	-0.209	-0.064
8:	-0.050	-0.084
9:	0.153	0.038
10:	0.271	0.061

X CENTROID: 0.080
 Y CENTROID: 0.146
 POA TO CENTROID: 0.167
 HORZ SPREAD: 1.495
 VERT SPREAD: 2.089
 GROUP SPREAD: 2.140
 MIN RADIUS: 0.130
 MAX RADIUS: 1.282
 MEAN RADIUS: 0.599
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



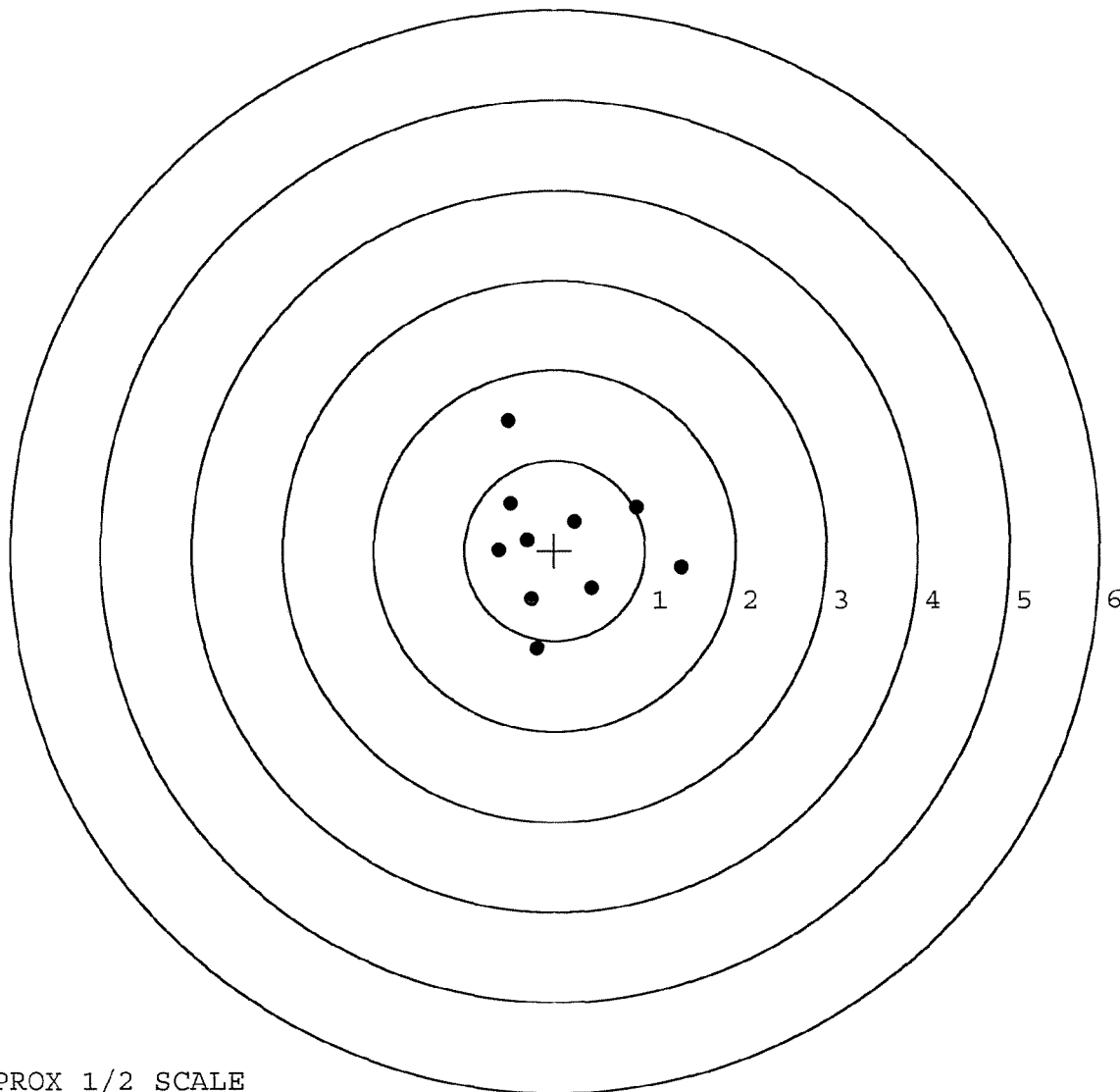
TARGET APPROX 1/2 SCALE

BARBER - M24 0180355

SERIAL NUMBER: C6587631. __0
 TARGET NUMBER: 4
 FILE DATE: 01/26/2006
 FILE TIME: 12:49

POINT#	X	Y
1:	1.400	-0.188
2:	0.905	0.484
3:	0.409	-0.418
4:	0.216	0.322
5:	-0.197	-1.087
6:	-0.256	-0.544
7:	-0.618	0.009
8:	-0.310	0.114
9:	-0.493	0.524
10:	-0.520	1.438

X CENTROID: 0.054
 Y CENTROID: 0.065
 POA TO CENTROID: 0.085
 HORZ SPREAD: 2.018
 VERT SPREAD: 2.525
 GROUP SPREAD: 2.546
 MIN RADIUS: 0.304
 MAX RADIUS: 1.488
 MEAN RADIUS: 0.833
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587631. __0

TARGET NUMBER: 5

FILE DATE: 01/26/2006

FILE TIME: 12:49

POINT#	X	Y
1:	1.232	-0.088
2:	1.000	0.476
3:	0.611	-0.901
4:	-0.714	-1.057
5:	0.085	-0.281
6:	-0.136	-0.097
7:	-0.264	0.144
8:	-0.493	-0.011
9:	-0.465	0.195
10:	-0.803	0.605

X CENTROID: 0.005

Y CENTROID: -0.102

POA TO CENTROID: 0.102

HORZ SPREAD: 2.035

VERT SPREAD: 1.662

GROUP SPREAD: 2.174

MIN RADIUS: 0.141

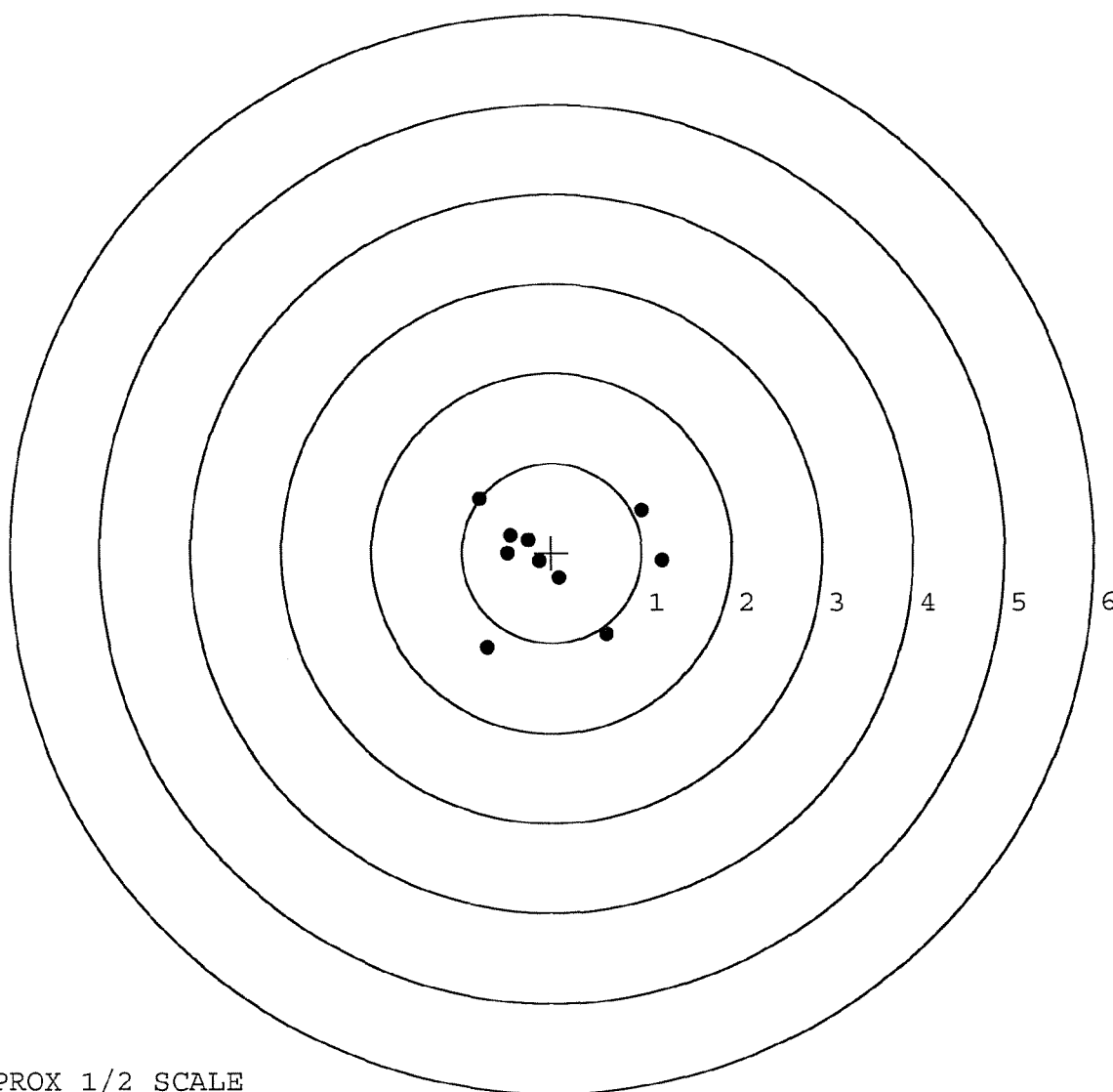
MAX RADIUS: 1.227

MEAN RADIUS: 0.741

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	106762	New scope 185433 W	
SERIAL NUMBER	06587631		
LOG-IN DATE	1-16-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	1-17-06	RTZ
505	RE-BARREL	1-18-06	RTZ
560	ASSEMBLE	1-18-06	RTZ
600	PROOF	1-18-06	RTZ
605	CHECK HEADSPACE	1-18-06	RTZ
610	DIS-ASSEMBLE GUN	JAN 20 2006	
612	MAGNAFLUX	OPERATOR <u>CRD</u>	1-20-06 APD
510	DRILL AND TAP	1-19-06	TRW
615	ROLLMARK CALIBER	1-19-06	CW
618	ROTO-BLAST	1-20-06	LB
620	APPLY COATINGS	1-23	HP
625	FINAL ASSEMBLY	1-25-06	AC
640	FUNCTION TEST AND	PASS FAIL	1-26-06 TRW
650	TARGET	PASS FAIL	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		1-26-06 TRW
	A) HEADSPACE	PASS FAIL	2-7-06 AC
	B) TRIGGER PULL	2.84 2.79 2.85 2.89 2.85	2/7/06 DA
680	F) SAFETY ON FORCE	4.5 4.2 3.5	2/7/06 DA
	G) SAFETY OFF FORCE	2.2 2.0 2.2	2/7/06 DA
	I) FIRING PIN INDENT	.020	
690	PACK	1020 1021 1021	2-24-06 DA

Remington
MODEL 700™ H24

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

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

SERIAL NO. 06587631

ORDER NO. 5716

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

5716 06587631

UPC 0 47700 25716 7

Safety Hrs Stock

INSIDE

Repaired

12-12-90 KS

OK

BARBER - M24 0180359

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587631

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	10/22/90	KS
600	Proof		10/22/90	KS
607	Check Headspace		10/22/90	KS
610	Dis-assemble Gun		10/22/90	KS
612	Magnaflux Barrel Action		10/24/90	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	KS
617	Drill and Tap Sight Holes		10/25/90	KS
618	Polish Barrel <i>KS</i>		10/26/90	KS
620	Apply Coatings (Barrel Action)		11-7-90	KS
	Apply Coating (Bolt)		11	KS
625	Final Assembly		11/7/90	KS
	A) Clean inside of Bolt Assembly		11/7/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/7/90	KS
	C) Inspect Ejector Hole for Chamfer		11/7/90	KS
	D) Oil Firing Pin Ass'y		11/7/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11/28/90	KS

op. #	BARBER M24 0180360	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5	5	5	11/28/90	WB		
	G) Safety Off Force	2 1/4	2 1/4	2 1/4	11/28/90	WB		
	H) Trigger Pull Test & Retainability				11/29/90	JK		
	I) Firing Pin Indent	.021	.0212	.0215	11/28/90	WB		
	J) Assemble Stock				11/29/90	KS		
	K) Assemble Swivel Studs				12-1-90	JS		
	L) Attach Front and Rear Sight Assemblies				11/29/90	KS		
	M) Iron Sight Alignment				11/29/90	KS		
	N) Detach Front & Rear Sights & place in numbered container				11/29/90	KS		
	O) Attach Scope to Rifle				11/29/90	KS		
	P) Detach & Attach Scope 20 Times				11/29/90	KS		
640	Gallery Target & Test				11/30/90	KT		
	A) Time					KT		
	B) Malfunctions					KT		
	C) Pierced Primers					KL		
	D) Optical Clarity of Scope					KT		
645	Inspect for Live Ammo				11/30/90	KT		
655	Final Inspection							
	A) Headspace				12-1-90	JS		
	B) Trigger Pull	2.39	238	237	240	243	12-1-90	JS
	C) Function						12-1-90	JS
660	Pack						12/14/90	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06587631DATE 11-28-90TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.39	2.44	239	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.44	2.45	238	
PULL #3	2.50	2.38	2.38	237	
PULL #4	2.47	2.40	2.44	240	
PULL #5	2.42	2.43	2.49	243	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.40		
PULL #2	3.30	3.39		
PULL #3	3.31	3.38		
PULL #4	3.29	3.37		
PULL #5	3.29	3.37		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.33		4.34
PULL #2	4.32	4.31		4.33
PULL #3	4.22	4.35		4.35
PULL #4	4.29	4.36		4.35
PULL #5	4.29	4.35		4.31
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06587631
30 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.0534883
1 TO	2	.21422
1 TO	3	.072111
1 TO	4	.390267
1 TO	5	.0807527

$\frac{1}{2}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0618
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0066
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0621514
THE AMR FOR THIS RIFLE IS: 1.091

30 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08587831

CENTERFIRE PATTERNS

1

POA

1 in circle =

2 in circle =

3 in circle =

CENTROID #

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.171

VS = 3.516

GS = 3.611

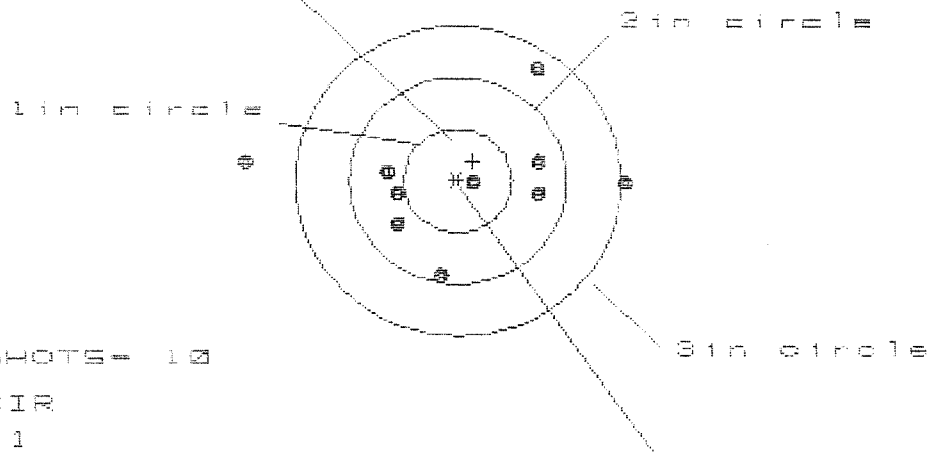
PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.363	1.407	1.339
MINIMUM X	:	-.808	-.764	-.812
MAXIMUM Y	:	1.631	1.421	.762
MINIMUM Y	:	-1.885	-.800	-.622
CENTROID X	:	.019	-.025	.023
CENTROID Y	:	-.050	.160	-.018
POA TO CENTROID in.	:	.053	.162	.029
MIN RADIUS	:	.261	.282	.244
MEAN RADIUS	:	1.011	.895	.811
MAX RADIUS	:	1.926	1.472	1.371
HORIZONTAL SPREAD	:	2.171	2.171	2.171
VERTICAL SPREAD	:	3.516	2.221	1.384
EXTREME SPREAD	:	3.611	2.410	2.228
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	5		
NUMBER IN THREE INCH CIRCLE =	:	8		

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CENTERFIRE PATTERNS # 2

POR



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS = 3.464

VS = 2.025

GS = 3.473

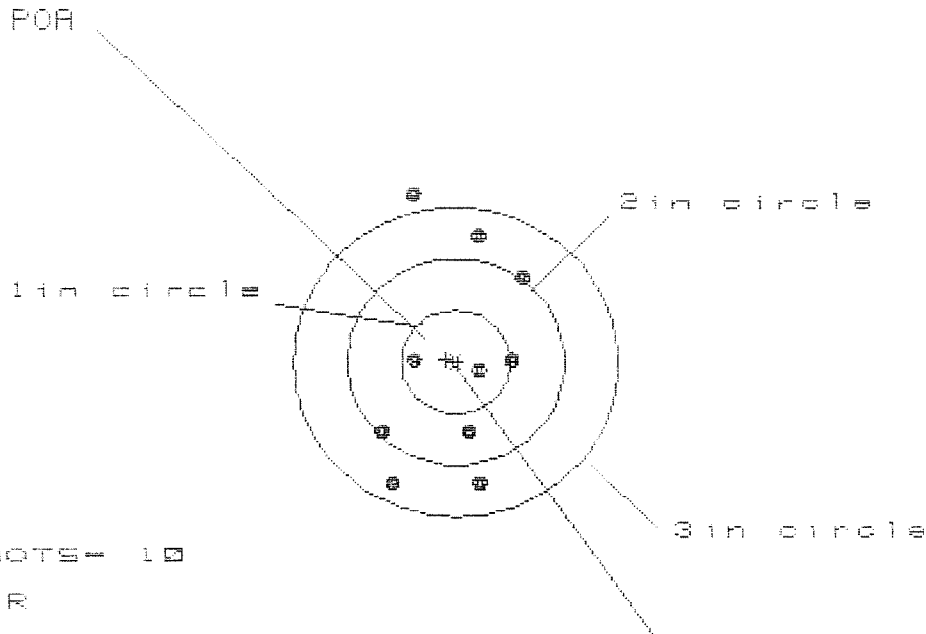
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.548	1.335	.672
MINIMUM X	:	-1.916	-.866	-.699
MAXIMUM Y	:	1.098	1.120	1.117
MINIMUM Y	:	-.927	-.905	-.908
CENTROID X	:	-.144	.069	-.098
CENTROID Y	:	-.189	-.211	-.208
POR TO CENTROID in.	:	.238	.222	.230
MIN RADIUS	:	.124	.092	.075
MEAN RADIUS	:	.916	.793	.707
MAX RADIUS	:	1.926	1.335	1.299
HORIZONTAL SPREAD	:	3.464	2.201	1.371
VERTICAL SPREAD	:	2.025	2.025	2.025
EXTREME SPREAD	:	3.473	2.216	2.216
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 1.255

VS = 2.858

GS = 2.870

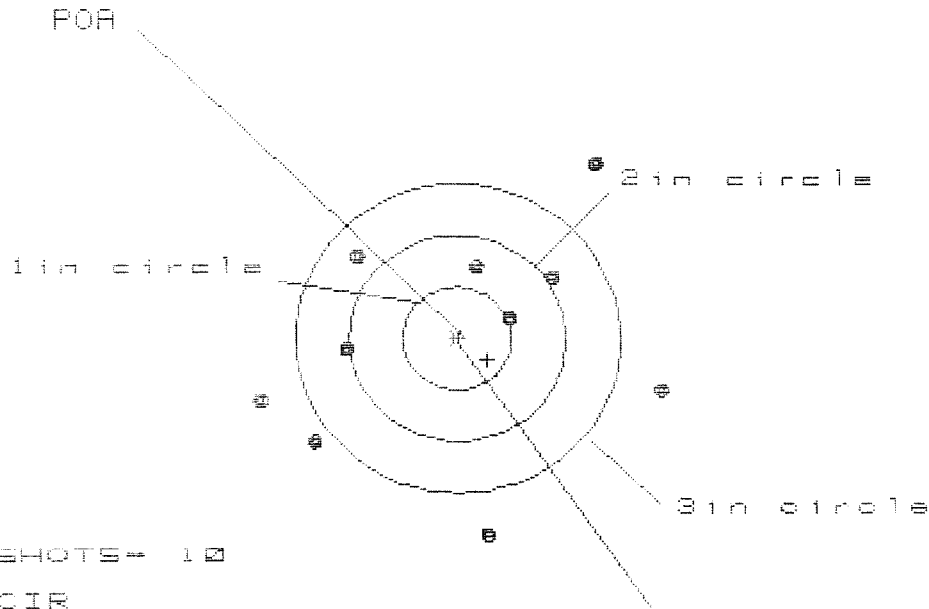
CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.588
MINIMUM X	-.667
MAXIMUM Y	1.665
MINIMUM Y	-1.194
CENTROID X	.087
CENTROID Y	-.026
POA TO CENTROID in.	.091
MIN RADIUS	.242
MEAN RADIUS	.930
MAX RADIUS	1.703
HORIZONTAL SPREAD	1.255
VERTICAL SPREAD	2.859
EXTREME SPREAD	2.870
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 3

3 in = 5

HS= 3.660

VS= 3.532

GS= 3.819

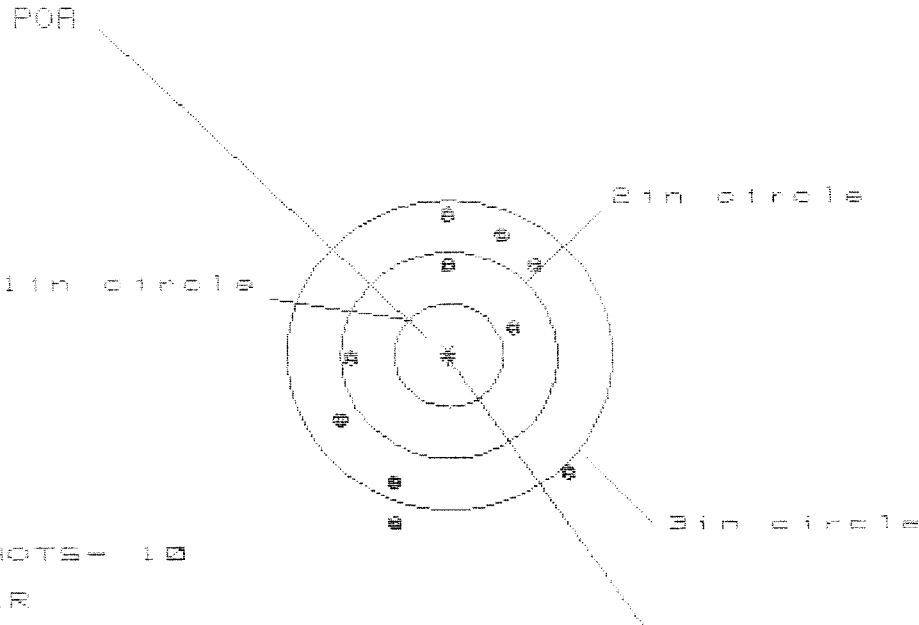
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.873	2.018	1.309
MINIMUM X	-1.787	-1.642	-1.389
MAXIMUM Y	1.678	.942	.901
MINIMUM Y	-1.854	-1.668	-1.709
CENTROID X	-.279	-.424	-.676
CENTROID Y	.202	.016	.057
POA TO CENTROID in.	.345	.425	.679
MIN RADIUS	.513	.731	.591
MEAN RADIUS	1.400	1.330	1.208
MAX RADIUS	2.127	2.044	1.856
HORIZONTAL SPREAD	3.660	3.660	2.699
VERTICAL SPREAD	3.532	2.610	2.610
EXTREME SPREAD	3.819	3.660	2.941
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	5		

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 0

3 in = 0

HSI = 2.0366

VS# = 3.031

GS# = 3.0360

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.065
MINIMUM X	-1.971
MAXIMUM Y	1.384
MINIMUM Y	-1.647
CENTROID X	.008
CENTROID Y	.030
POA TO CENTROID in.	.031
MIN RADIUS	.672
MEAN RADIUS	1.198
MAX RADIUS	1.711
HORIZONTAL SPREAD	2.036
VERTICAL SPREAD	3.031
EXTREME SPREAD	3.060
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	3
NUMBER IN THREE INCH CIRCLE =	8