

G 6300575
Replace
C. 6225062

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: RE00147277

Serial: G6300575 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 7/7/2008 10:37:14 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: PROVOST MARSHALL

PROVOST MARSHALL

Address 1: BLDG 314 CAMP ARIFJAN KUWAIT

BLDG 314 CAMP ARIFJAN KUWAIT

Address 2: PO Box:

PO Box:

City: APO

APO

State: AE

Zip Code: 09366

Country: IT

State: AE

Zip Code: 09366

Country: IT

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
A006	Sling Strap	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

7/7/2008

2:37 PM

CAPS

NUM

INS

SCRL

start

10 M...

1-800...

Arms ...

Part S...

2 Mi...

SAP L...

2:37 PM

Number: **G6300575**Model: **M24 SWS****RE00147277**

Reset

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

R & B NUMBER

147227

SERIAL NUMBER

G6300575

LOG-IN DATE

7-7-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-7-08	RTZ
505	RE-BARREL	8-8-08	RTZ
560	ASSEMBLE	8-8-08	RTZ
600	PROOF	8-8-08	TRW
605	CHECK HEADSPACE	8-8-08	TRW
610	DIS-ASSEMBLE GUN	8-9-08	RTZ
612	MAGNAFLUX	9-2-08	BN
510	DRILL AND TAP	8-7-08	SP
615	ROLLMARK CALIBER	8/3/08	RT
618	ROTO-BLAST	9/3/08	JG
620	APPLY COATINGS	9/8	
625	FINAL ASSEMBLY	9-15-08	RTZ
640	FUNCTION TEST AND	10-20-08	PP
650	TARGET	10-20-08	PP
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	10-20-08	TL
	A) HEADSPACE	10-22-08	PP
		10-22-08	PP
	B) TRIGGER PULL	2.68 2.65 2.59 2.65 2.61	10-22-08 TL
680	F) SAFETY ON FORCE	6.0 6.0 6.0	10-22-08 PP
	G) SAFETY OFF FORCE	5.0 5.0 6.0	10-22-08 PP
	I) FIRING PIN INDENT	.021 .021 -.021	10-22-08 PP
690	PACK		10/22/08 FM

BARBER - M24 042499162393

REQUISITION AND INVOICE/SHIPPING DOCUMENT

Form Approved
OMB No. 0704-0246
Expires Jan 31, 2003

The public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0246), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

Form Approved
OMB No. 0704-0246
Expires Jan 31, 2003

PLEASE DO NOT RETURN YOUR FORM TO THIS ADDRESS. RETURN COMPLETED FORM TO THE ADDRESS IN ITEM 2.

1. FROM: (Include ZIP Code)		W91XRV ASG-KU / PROVOST MARSHALL BLDG 314, CAMP ARIFJAN, KUWAIT APO AE 09366		POC: SKI GLENN WINSTON DSN: 318-430-5957 CELL: 965-944-3541		SHEET NO. 1		NO. OF SHEETS 1		5. REQUISITION DATE		6. REQUISITION NUMBER W91XRV 8176 X001																																					
2. TO: (Include ZIP Code) RIC C3J, DODAAC CMASCA, Remington Arms Co., Inc. ATTN: Service Dept. 14 Hoefler Ave. Ilion, TN. 37037-5612						9. AUTHORITY OR PURPOSE RETURN TO REMINGTON ARMS CO.																																											
						10. SIGNATURE C.C.MOWRY, LCDR, PM				11a. VOUCHER NUMBER & DATE (YYYYMMDD)																																							
						12. DATE SHIPPED (YYYYMMDD)				b.																																							
						13. MODE OF SHIPMENT MIL AIR				14. BILL OF LADING NUMBER																																							
3. SHIP TO - MARK FOR ATTN: SERVICE DEPT.						15. AIR MOVEMENT DESIGNATOR OR PORT REFERENCE NO.																																											
4. APPROPRIATIONS DATA												AMOUNT																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:5%;">ITEM NO.</th> <th style="width:45%;">FEDERAL STOCK NUMBER, DESCRIPTION, AND CODING OF MATERIEL AND/OR SERVICES</th> <th style="width:5%;">UNIT OF ISSUE</th> <th style="width:5%;">QUANTITY REQUESTED</th> <th style="width:5%;">SUPPLY ACTION</th> <th style="width:5%;">TYPE CONTAINER</th> <th style="width:5%;">CONTAINER NOS.</th> <th style="width:10%;">UNIT PRICE</th> <th style="width:10%;">TOTAL COST</th> </tr> <tr> <th>(a)</th> <th>(b)</th> <th>(c)</th> <th>(d)</th> <th>(e)</th> <th>(f)</th> <th>(g)</th> <th>(h)</th> <th>(i)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>NSN 1005012402136, M24 RIFLE SERIAL NUMBER G6300575</td> <td>EA</td> <td>1</td> <td></td> <td></td> <td></td> <td>\$5,000.00</td> <td>\$5,000.00</td> </tr> <tr> <td colspan="9" style="height: 150px; vertical-align: bottom; text-align: center;"> </td> </tr> </tbody> </table>														ITEM NO.	FEDERAL STOCK NUMBER, DESCRIPTION, AND CODING OF MATERIEL AND/OR SERVICES	UNIT OF ISSUE	QUANTITY REQUESTED	SUPPLY ACTION	TYPE CONTAINER	CONTAINER NOS.	UNIT PRICE	TOTAL COST	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	1	NSN 1005012402136, M24 RIFLE SERIAL NUMBER G6300575	EA	1				\$5,000.00	\$5,000.00									
ITEM NO.	FEDERAL STOCK NUMBER, DESCRIPTION, AND CODING OF MATERIEL AND/OR SERVICES	UNIT OF ISSUE	QUANTITY REQUESTED	SUPPLY ACTION	TYPE CONTAINER	CONTAINER NOS.	UNIT PRICE	TOTAL COST																																									
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)																																									
1	NSN 1005012402136, M24 RIFLE SERIAL NUMBER G6300575	EA	1				\$5,000.00	\$5,000.00																																									
16. TRANSPORTATION VIA MATS OR MSTs CHARGEABLE TO												17. SPECIAL HANDLING																																					
R E C E I P T	18. ISSUED BY	TOTAL CONTAINERS	TYPE CONTAINER	DESCRIPTION	TOTAL WEIGHT	TOTAL CUBE	19. CONTAINERS RECEIVED EXCEPT AS NOTED	DATE (YYYYMMDD)	BY	SHEET TOTAL																																							
	CHECKED BY						QUANTITIES RECEIVED EXCEPT AS NOTED	8/6/24	1340	\$5,000.00																																							
	PACKED BY						DATE (YYYYMMDD)	2024-08-24		GRAND TOTAL																																							
							DATE (YYYYMMDD)			\$5,000.00																																							
							POSTED			20. RECEIVER'S VOUCHER NO.																																							
				TOTAL																																													

BARBER - M24 0162355AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

DATE

7-30-08

TESTER

R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.42	2.61		2.33	
PULL #2	2.48	2.49		2.34	
PULL #3	2.46	2.51		2.30	
PULL #4	2.42	2.50		2.25	
PULL #5	2.43	2.44		2.23	
TOTAL	12.21	12.55		11.45	
AVERAGE	2.44	2.51		2.29	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.16	3.22		
PULL #2	3.21	3.18		
PULL #3	3.21	3.17		
PULL #4	3.22	3.15		
PULL #5	3.20	3.15		
TOTAL	16.00	15.87		
AVERAGE	3.20	3.17		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.23	4.31		4.29
PULL #2	4.22	4.23		4.09
PULL #3	4.24	4.26		4.05
PULL #4	4.25	4.20		4.11
PULL #5	4.22	4.21		3.97
TOTAL	21.16	21.11		20.51
AVERAGE	4.23	4.22		4.10

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6300575.____0
FILE DATE AND TIME: 10/21/2008 13:35

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.070
The Average Y Centroid of the Five Target Set:	0.159
The Average Point of Impact of the Five Target Set:	0.174
The Average Mean Radius of the Five Target Set:	1.006
The Distance from POA to Centroid Target #1:	0.173
The Distance from Centroid Target #2 to Centroid Target #1:	0.301
The Distance from Centroid Target #3 to Centroid Target #1:	0.059
The Distance from Centroid Target #4 to Centroid Target #1:	0.116
The Distance from Centroid Target #5 to Centroid Target #1:	0.104

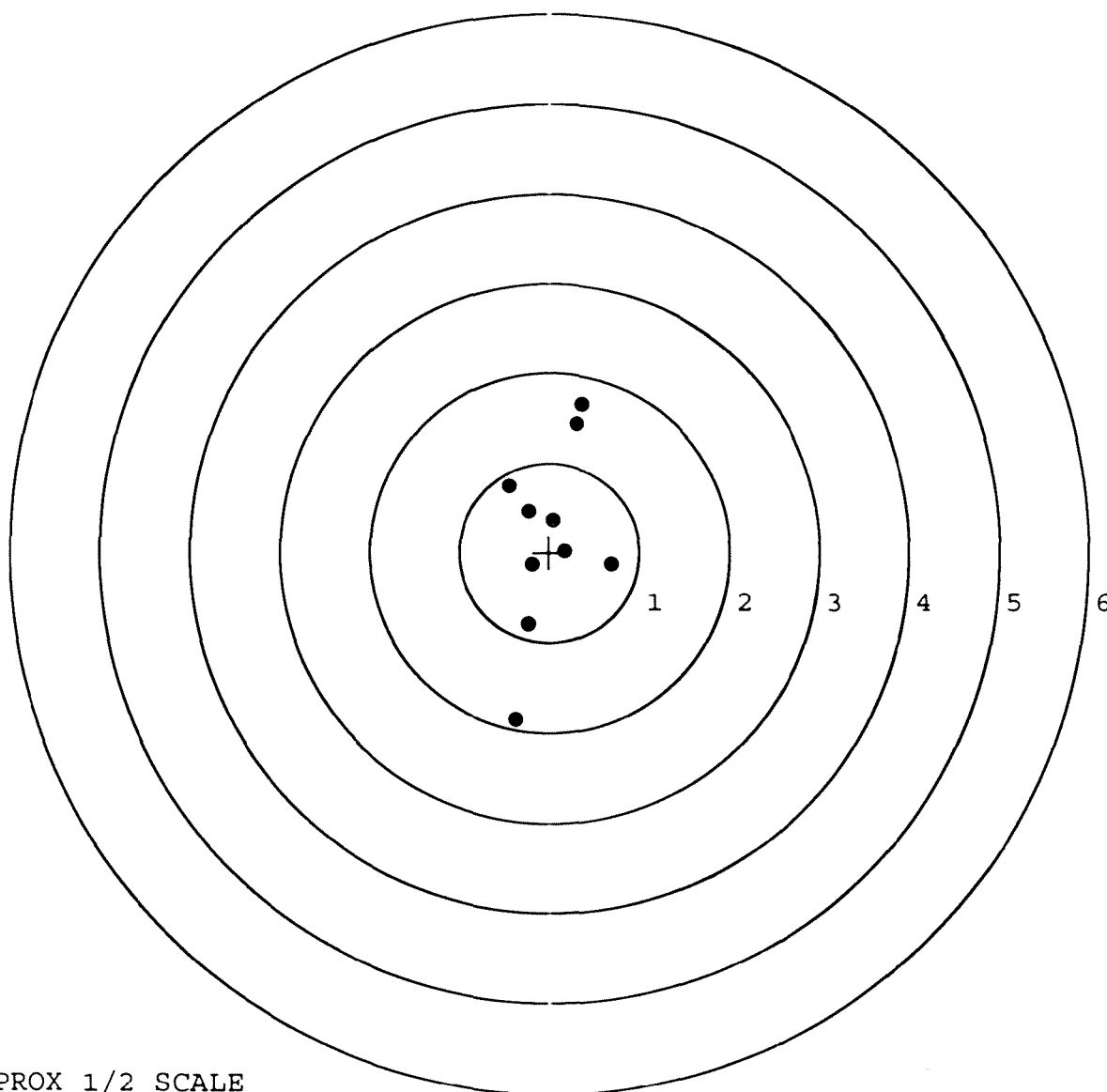
BARBER - M24 0162357

SERIAL NUMBER: G6300575. __0
TARGET NUMBER: 1
FILE DATE: 10/21/2008
FILE TIME: 13:35

X CENTROID: 0.012
Y CENTROID: 0.173
POA TO CENTROID: 0.173
HORZ SPREAD: 1.135
VERT SPREAD: 3.504
GROUP SPREAD: 3.582
MIN RADIUS: 0.185
MAX RADIUS: 2.064
MEAN RADIUS: 0.851

POINT#	X	Y
1:	0.370	1.649
2:	0.310	1.427
3:	-0.374	-1.855
4:	-0.239	-0.803
5:	0.694	-0.133
6:	-0.441	0.745
7:	-0.233	0.457
8:	0.045	0.355
9:	-0.187	-0.135
10:	0.176	0.019

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

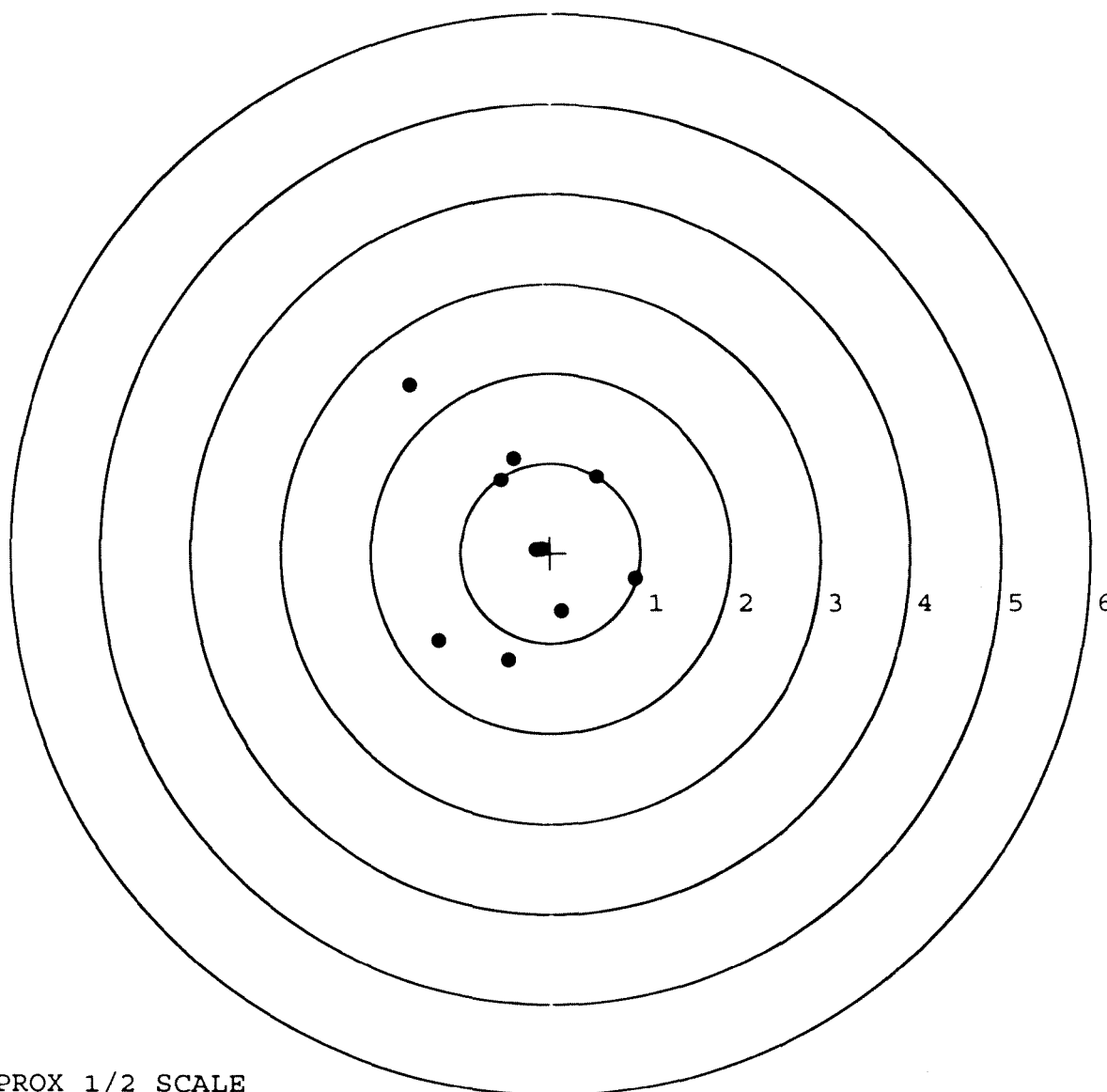
BARBER - M24 0162358

SERIAL NUMBER: G6300575. __0
TARGET NUMBER: 2
FILE DATE: 10/21/2008
FILE TIME: 13:35

X CENTROID: -0.288
Y CENTROID: 0.156
POA TO CENTROID: 0.328
HORZ SPREAD: 2.506
VERT SPREAD: 3.056
GROUP SPREAD: 3.303
MIN RADIUS: 0.178
MAX RADIUS: 2.136
MEAN RADIUS: 1.026

POINT#	X	Y
1:	-1.565	1.868
2:	-1.248	-0.976
3:	-0.466	-1.188
4:	0.124	-0.649
5:	0.941	-0.283
6:	0.523	0.851
7:	-0.400	1.053
8:	-0.544	0.807
9:	-0.158	0.035
10:	-0.090	0.042

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

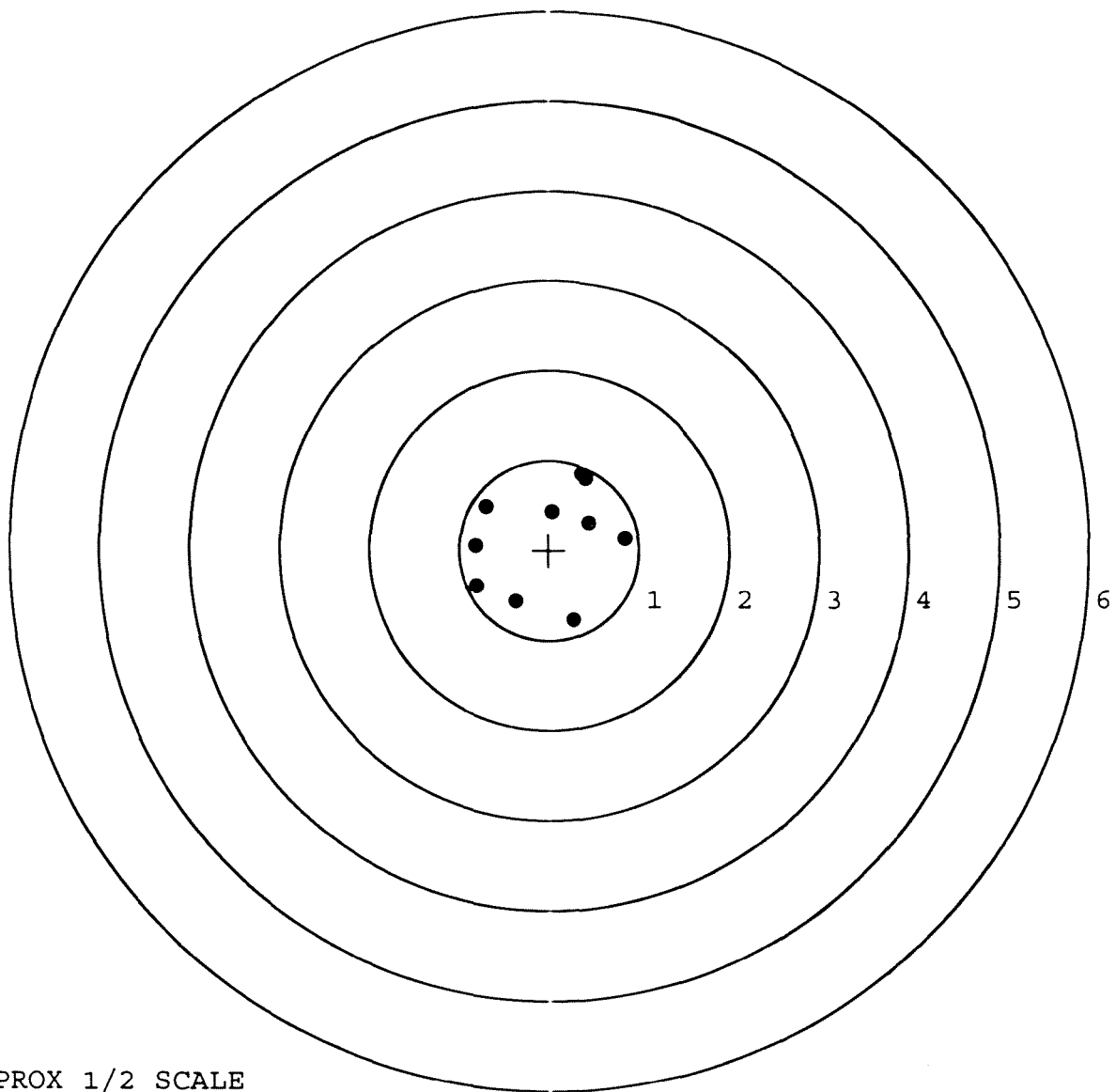
BARBER - M24 0162359

SERIAL NUMBER: G6300575. __0
TARGET NUMBER: 3
FILE DATE: 10/21/2008
FILE TIME: 13:35

X CENTROID: -0.027
Y CENTROID: 0.129
POA TO CENTROID: 0.132
HORZ SPREAD: 1.658
VERT SPREAD: 1.620
GROUP SPREAD: 1.623
MIN RADIUS: 0.300
MAX RADIUS: 0.954
MEAN RADIUS: 0.753

POINT#	X	Y
1:	0.277	-0.776
2:	0.378	0.844
3:	0.415	0.797
4:	-0.699	0.484
5:	-0.807	0.058
6:	-0.802	-0.398
7:	-0.373	-0.572
8:	0.851	0.128
9:	0.453	0.301
10:	0.039	0.422

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

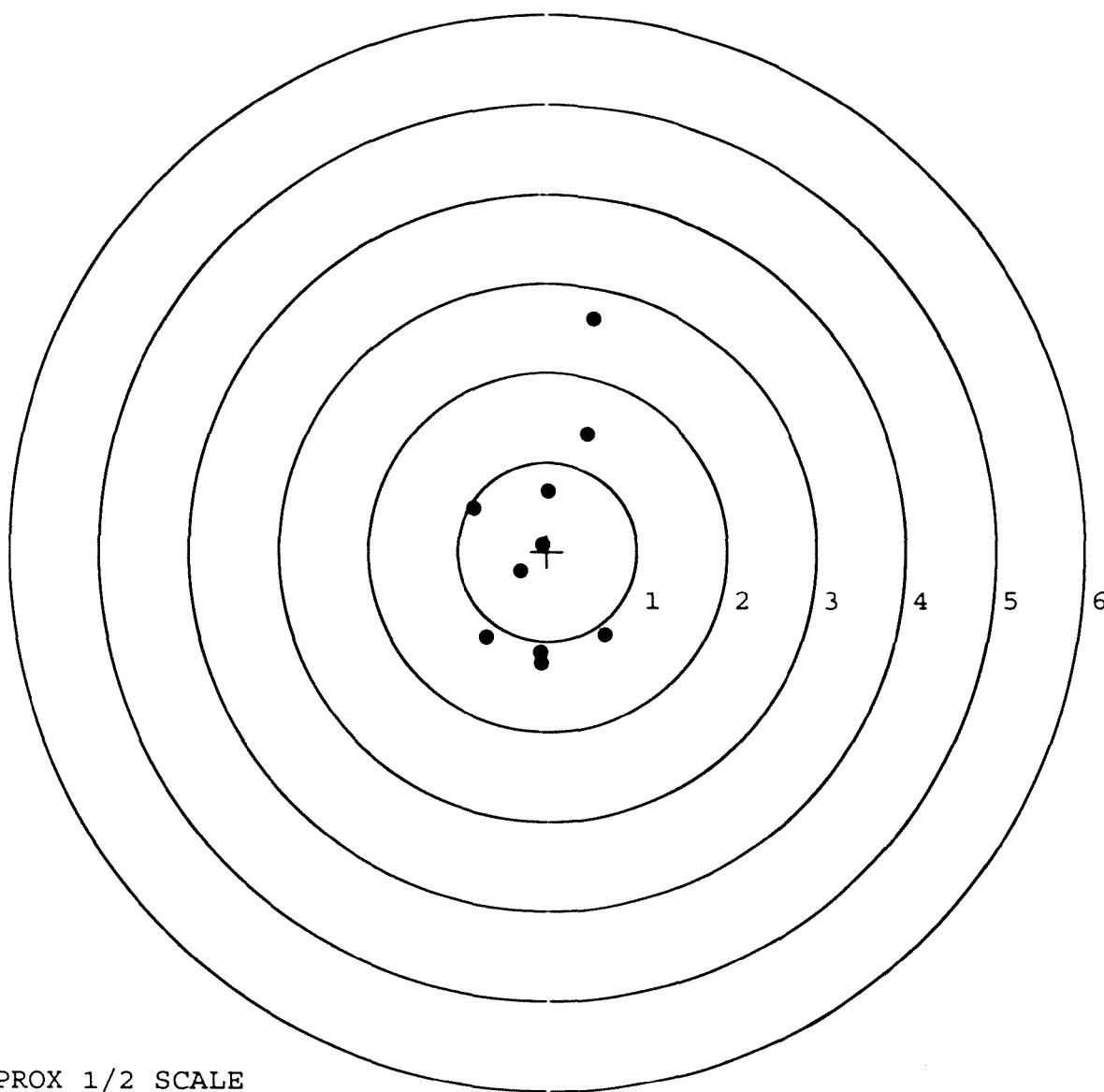
BARBER - M24 0162360

SERIAL NUMBER: G6300575. __0
TARGET NUMBER: 4
FILE DATE: 10/21/2008
FILE TIME: 13:35

X CENTROID: -0.034
Y CENTROID: 0.066
POA TO CENTROID: 0.075
HORZ SPREAD: 1.458
VERT SPREAD: 3.854
GROUP SPREAD: 3.900
MIN RADIUS: 0.021
MAX RADIUS: 2.599
MEAN RADIUS: 1.077

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.530	2.603
2:	0.454	1.316
3:	-0.067	-1.251
4:	-0.078	-1.132
5:	-0.683	-0.957
6:	0.642	-0.929
7:	-0.816	0.481
8:	0.018	0.673
9:	-0.294	-0.220
10:	-0.051	0.079



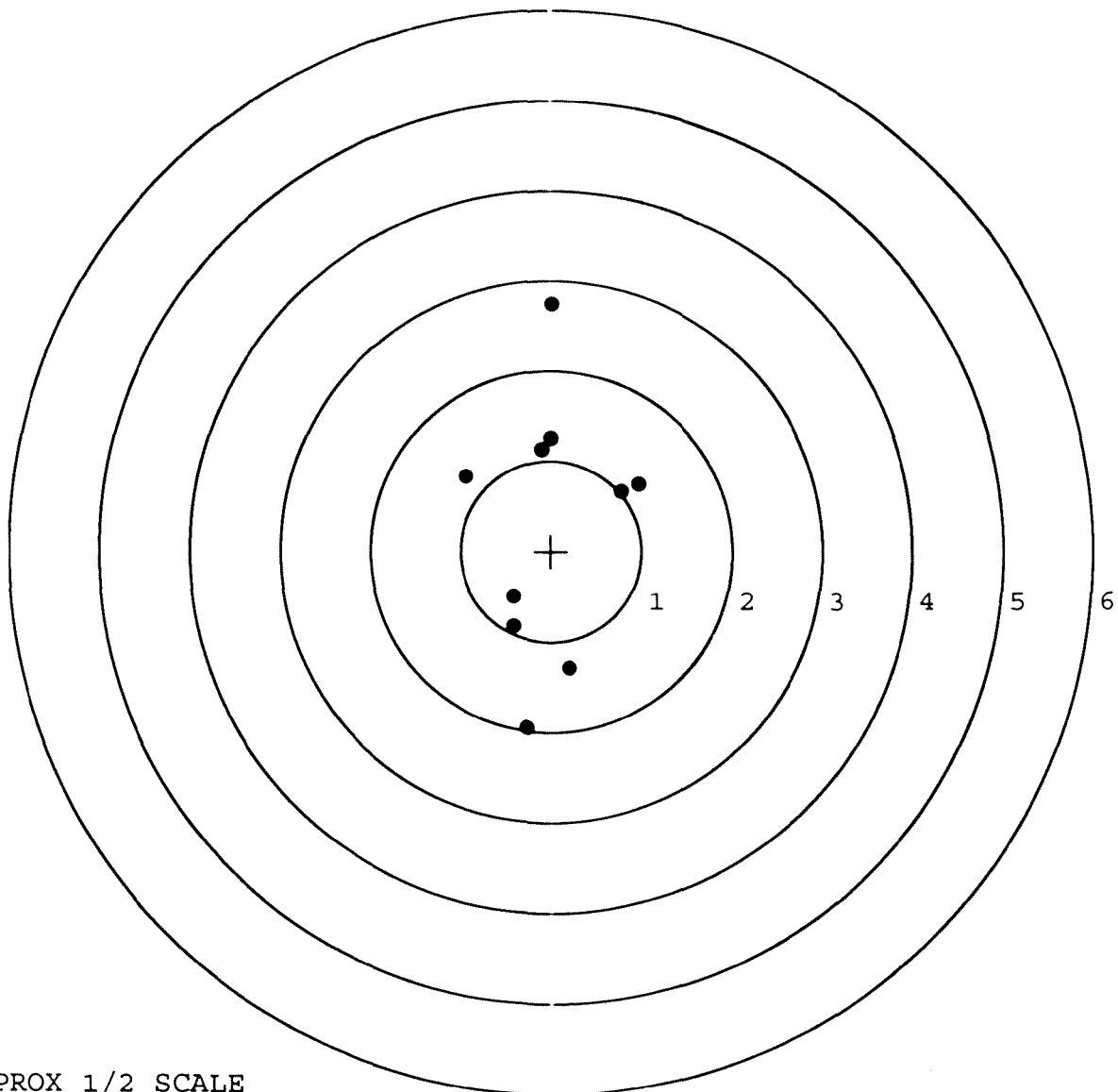
TARGET APPROX 1/2 SCALE

BARBER - M24 0162361

SERIAL NUMBER: G6300575. __0
 TARGET NUMBER: 5
 FILE DATE: 10/21/2008
 FILE TIME: 13:35

POINT#	X	Y
1:	0.025	2.735
2:	-0.273	-1.959
3:	0.211	-1.299
4:	-0.411	-0.830
5:	-0.407	-0.502
6:	-0.938	0.822
7:	0.011	1.251
8:	-0.098	1.122
9:	0.974	0.738
10:	0.785	0.659

X CENTROID: -0.012
 Y CENTROID: 0.274
 POA TO CENTROID: 0.274
 HORZ SPREAD: 1.912
 VERT SPREAD: 4.694
 GROUP SPREAD: 4.703
 MIN RADIUS: 0.853
 MAX RADIUS: 2.462
 MEAN RADIUS: 1.322
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 4
 # in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

BARBER - M24 0162362

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

Repair Inquiry

Repair Number: **RE00081061** Serial: C6225062 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 06/21/1988 Repairman: Status: Closed 5/20/2004 9:45:19 AM

Address Information

Customer: ☒ Received From Return To ☐ Received From

Name: **HHC 1/24 INF** **HHC 1/24 INF**

Address 1: **SSG MC DANIEL DAVID** **SSG MC DANIEL DAVID**

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:

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A042	Adjustable Butt Pad	1
C000	Frt and Rear Sgt Base	1

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

hagletj 5/24/2004 8:23 AM CAPS NUM INS SCBL

start 2 2 4

G6300 575

Serial Number: **C6225062**

Model: **M24 SWS**



RE00081061

BARBER - M24 0162363AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. _____

DATE 3-8-04TESTER TRLW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.59	2.70		2.69	
PULL #2	2.77	2.79		2.67	
PULL #3	2.80	2.72		2.63	
PULL #4	2.78	2.69		2.50	
PULL #5	2.80	2.68		2.63	
TOTAL	13.74	13.58		13.12	
AVERAGE	2.74	2.71		2.62	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.40	3.38		
PULL #2	3.45	3.37		
PULL #3	3.48	3.39		
PULL #4	3.53	3.61		
PULL #5	3.51	3.38		
TOTAL	17.37	17.13		
AVERAGE	3.47	3.42		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.29	4.37		4.34
PULL #2	4.20	4.28		4.39
PULL #3	4.36	4.42		4.27
PULL #4	4.35	4.41		4.43
PULL #5	4.30	4.37		4.38
TOTAL	21.50	21.85		21.81
AVERAGE	4.30	4.37		4.36

MAINTENANCE REQUEST				PAGE NO.		NO. OF PAGES		REQUIREMENTS CONTROL SYMBOL			
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG								CSGLD - 1047(R1)			
SECTION I - EQUIPMENT DATA											
CONTROL NUMBER		WORK ORDER NO.		WESDC		ORG. PD		PD AUTHENTICATION			
☐ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION HHC 1/24th INF Reg		B. LOCATION FT Lewis, WA 98433				C. UNIT IDENT CODE			
2. SERIAL NO. C 225062		3. NOUN NOMENCLATURE Rifle, SNIPER M24		4. LINE NO. R95387		5. MODEL M 24		6. NATIONAL STOCK NUMBER 1005012402136			
7A. MAINTENANCE ACTIVITY		B. LEVEL		8. UTILIZATION CODE		9A. MCSR ITEM		9B. ERC		9C. PACING ITEM	
14. FAILURE DETECTED DURING (Select one - use ✓ or X)		15. FIRST INDICATION OF TROUBLE (Select one - use ✓ or X)									
☐ A. Sen. Main ☐ B. Handling ☒ C. Test ☐ D. Normal Op		☐ E. Storage ☐ F. Inspection ☐ G. Flight ☐ H. Other ☐ 068 Inoperative ☐ 008 Noisy ☐ 258 Overheating ☒ 387 Low Performance ☐ 790 Out of Adjustment ☐ Other									
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs).											
Round count is 7450 rounds. Magazine is fitted											
Weapon needs to be rebarreled and full services performed.											
PREPARATION INSTRUCTIONS (Prior to using this form, read DA PAM 738-750 for detailed preparation instructions)											
- Place a "✓" or an "X" in the box for the type of action required. - Enter the WESDC if the item is Materiel Condition Status Reportable. - Enter the priority designator as determined from the urgency of need and force activity designator. - The Unit Commander, Chief of TDA activity or their designated representative will authenticate, by signature, a priority of O1 through O8. - Block 1A. Enter the name of the organization submitting the request. - Block 1B. Enter the unit submitting the request; units overseas enter APO only. - Block 1C. Enter the unit identification code of the unit in block 1A. - Block 2. Enter the equipment serial number. For ammunition, enter the lot number. For administrative-use vehicles, enter the USA registration number. - Block 3. Enter the noun abbreviation of the item. - Block 4. Enter the item line number, if applicable. - Block 5. Enter the model number. - Block 6. Enter the National Stock Number of the item listed in Block 3. - Block 7. Enter the name of the support activity. - Block 7A. Enter the symbol of the maintenance category (O, F, H, D, or L). - Block 8. Enter the utilization code. - Block 9A. Enter the word "yes" if the item is Materiel Condition Status Reportable. - Block 9B. Enter the equipment readiness code, if applicable. - Block 9C. Enter the word "yes" if the item is a pacing item. - Block 10. Enter the hour reading, if applicable. - Block 11. Enter the mileage from the odometer, if applicable. - Block 12. Enter the total rounds fired, if applicable. - Block 13. For turbine engines, enter the number of hot starts. - Block 14. Enter a "✓" or "X" in the proper block. - Block 15. Enter a "✓" or "X" in the proper block. - Block 16. Describe briefly the fault or symptoms needing correction.											
23. SUBMITTED BY		24. RECEIVED BY									
JULIAN DATE 04/25		JULIAN DATE									

BARBER - M24 0162365

[illegible]

DOC IDENT		ROUT CENT		FSC	NIN	ADD	QUANTITY	SUPPLEMENTARY ADDRESS	DATE	SERIAL	MCS SUPPLEMENTARY ADDRESS	FUND	DISTRIBUTION	PROJECT	PRIORITY	REQ DEL DATE	ADV STAT
STOCK NUMBER																	
SEND TO Remington Arms Co., Inc. Attn: Service Dept. W31G1Y																	
REQUEST IS FROM: Commander Ft Lewis, WA 98153 HHC V24 INF BN WDA6TO																	
DOC IDENT		ROUT DATA		SUP		DOC IDENT		ROUTING IDENTIFIER		UNIT OF ISSUE		QUANTITY					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
D62		AAA								1005 012 40 2136		EA 00001					
COST DETAIL ACCOUNT NUMBER UNIT PRICE TOTAL PRICE																	
ITEM DESCRIPTION																	
Rifle Sniper M24, SN: C6225062																	
Turn-In: Transfer Accountability to Rock Island																	
ISSUED DATE POSTED INIT																	
DUE OUT DATE AVAILABLE INIT																	
RECEIVED DATE RECEIVED SIGNATURE																	
MCS CODE																	
R95387																	
DOCUMENT NUMBER QUANTITY DOCUMENT NUMBER QUANTITY																	
TRANSACTION DOLLARS CENTS																	

REQUEST FOR ISSUE OR TURN-IN (DA Form 710-2-1)

**CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON**

BARBER - M24 0162385 62404

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6300575.___0
FILE DATE AND TIME: 06/14/2004 06:32

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

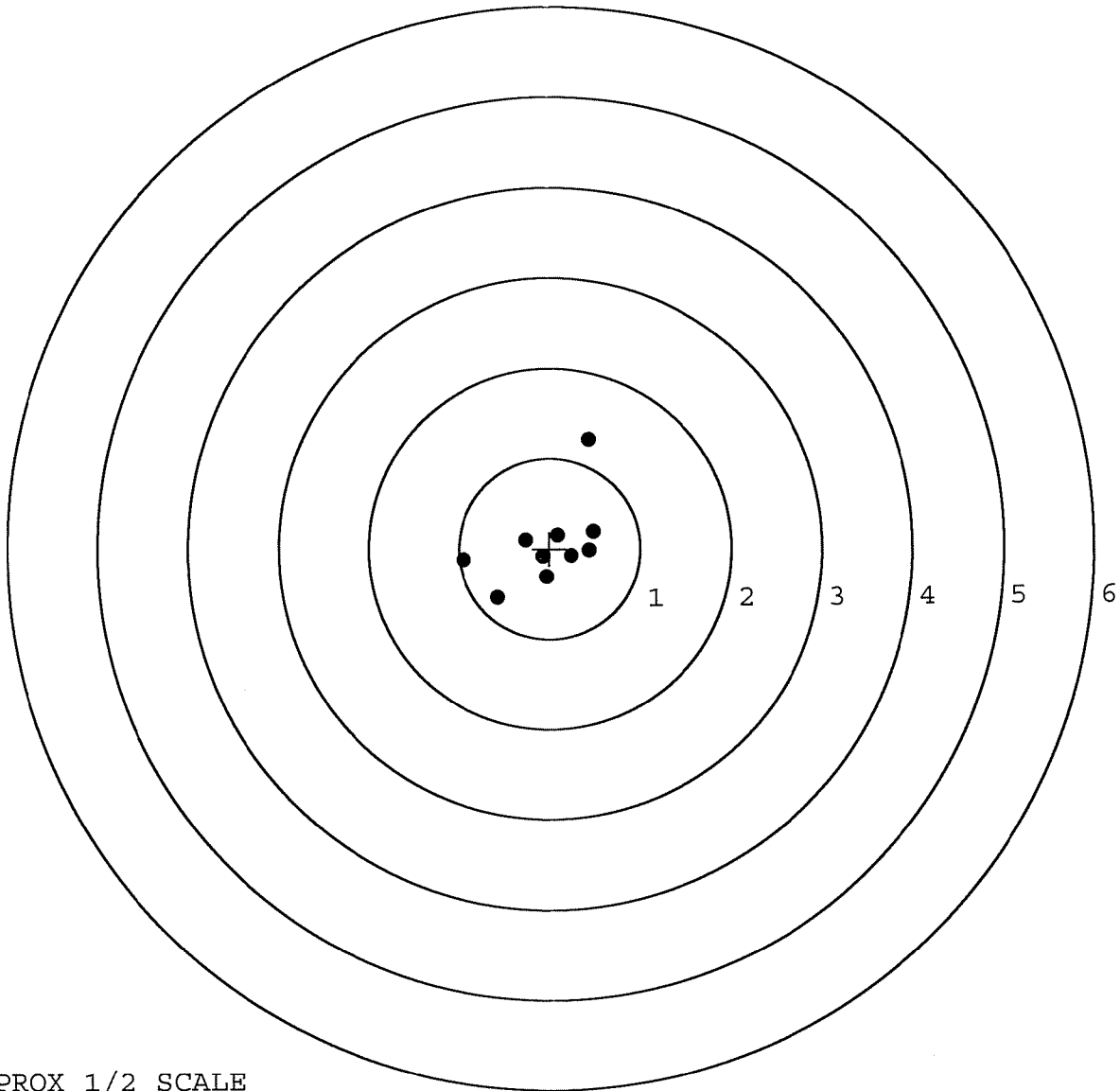
The Average X Centroid of the Five Target Set:	0.039
The Average Y Centroid of the Five Target Set:	0.123
The Average Point of Impact of the Five Target Set:	0.129
The Average Mean Radius of the Five Target Set:	0.758
The Distance from POA to Centroid Target #1:	0.050
The Distance from Centroid Target #2 to Centroid Target #1:	0.143
The Distance from Centroid Target #3 to Centroid Target #1:	0.051
The Distance from Centroid Target #4 to Centroid Target #1:	0.293
The Distance from Centroid Target #5 to Centroid Target #1:	0.293

BARBER - M24 0162367

SERIAL NUMBER: G6300575. __0
TARGET NUMBER: 1
FILE DATE: 06/14/2004
FILE TIME: 06:32

X CENTROID: -0.019
Y CENTROID: 0.046
POA TO CENTROID: 0.050
HORZ SPREAD: 1.438
VERT SPREAD: 1.754
GROUP SPREAD: 2.028
MIN RADIUS: 0.147
MAX RADIUS: 1.250
MEAN RADIUS: 0.522
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.442	1.208
2:	-0.950	-0.124
3:	-0.575	-0.546
4:	0.488	0.190
5:	0.443	-0.023
6:	0.093	0.153
7:	0.246	-0.083
8:	-0.040	-0.319
9:	-0.264	0.097
10:	-0.078	-0.088



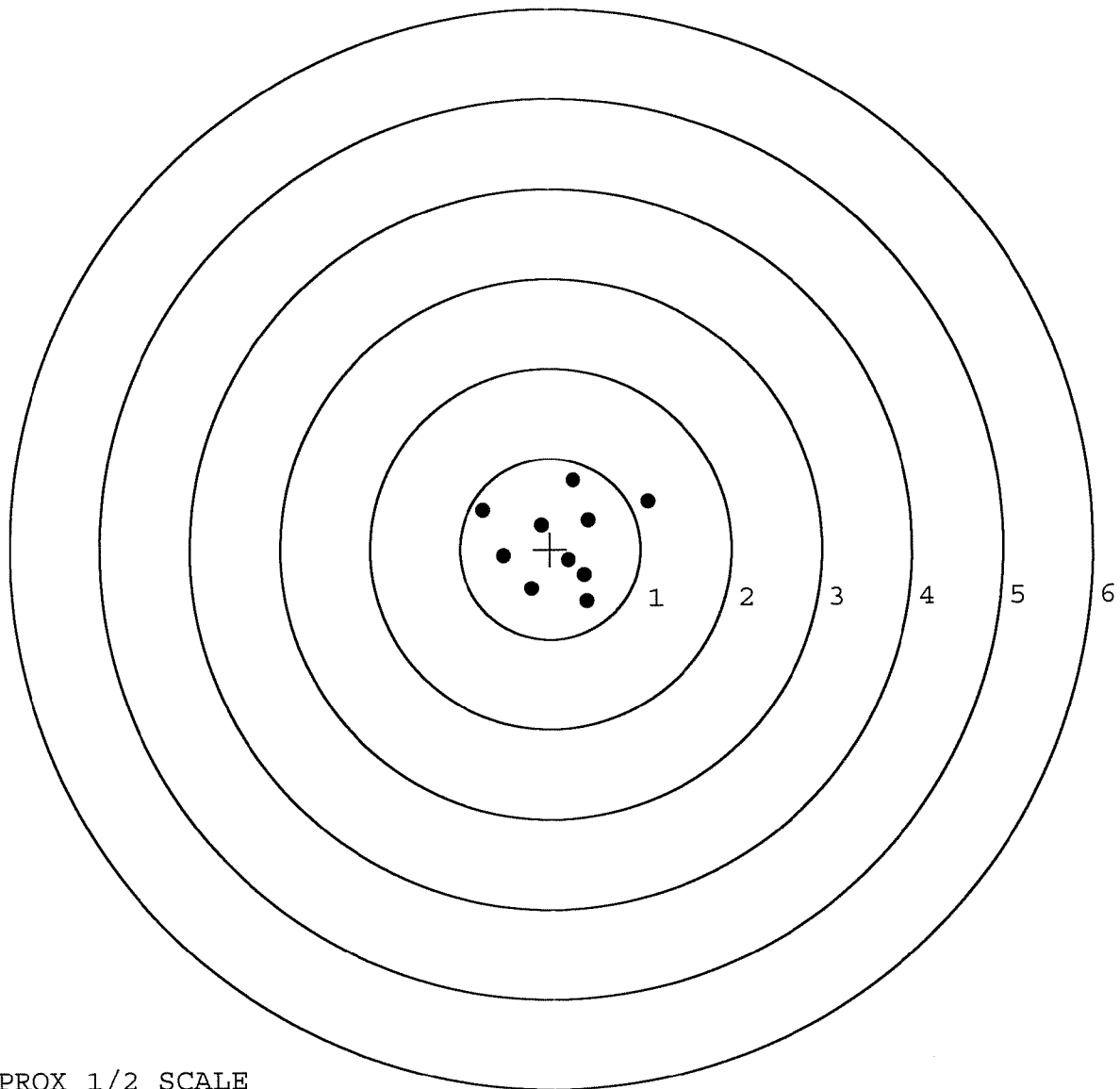
TARGET APPROX 1/2 SCALE

BARBER - M24 0162368

SERIAL NUMBER: G6300575. __0
TARGET NUMBER: 2
FILE DATE: 06/14/2004
FILE TIME: 06:32

X CENTROID: 0.120
Y CENTROID: 0.076
POA TO CENTROID: 0.142
HORZ SPREAD: 1.823
VERT SPREAD: 1.342
GROUP SPREAD: 1.825
MIN RADIUS: 0.218
MAX RADIUS: 1.058
MEAN RADIUS: 0.602
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.081	0.518
2:	0.263	0.760
3:	0.427	0.316
4:	-0.094	0.262
5:	-0.742	0.428
6:	-0.515	-0.078
7:	-0.210	-0.444
8:	0.407	-0.582
9:	0.380	-0.291
10:	0.203	-0.125



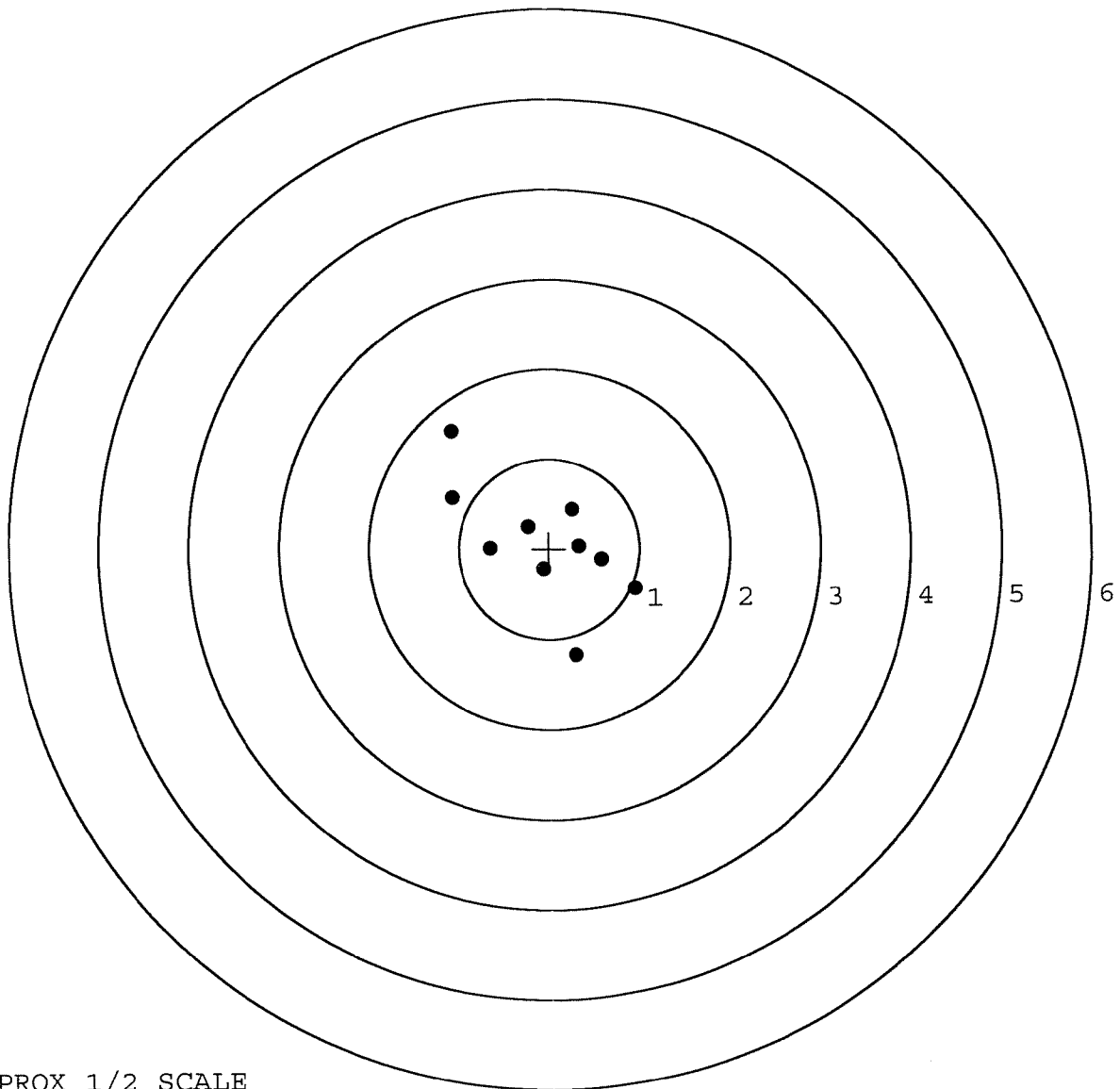
TARGET APPROX 1/2 SCALE

BARBER - M24 0162369

SERIAL NUMBER: G6300575. __0
TARGET NUMBER: 3
FILE DATE: 06/14/2004
FILE TIME: 06:32

X CENTROID: -0.068
Y CENTROID: 0.064
POA TO CENTROID: 0.093
HORZ SPREAD: 2.027
VERT SPREAD: 2.492
GROUP SPREAD: 2.846
MIN RADIUS: 0.243
MAX RADIUS: 1.610
MEAN RADIUS: 0.787
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.080	1.316
2:	-1.072	0.575
3:	-0.653	0.011
4:	-0.233	0.242
5:	-0.061	-0.227
6:	0.337	0.031
7:	0.261	0.438
8:	0.583	-0.125
9:	0.947	-0.448
10:	0.294	-1.176



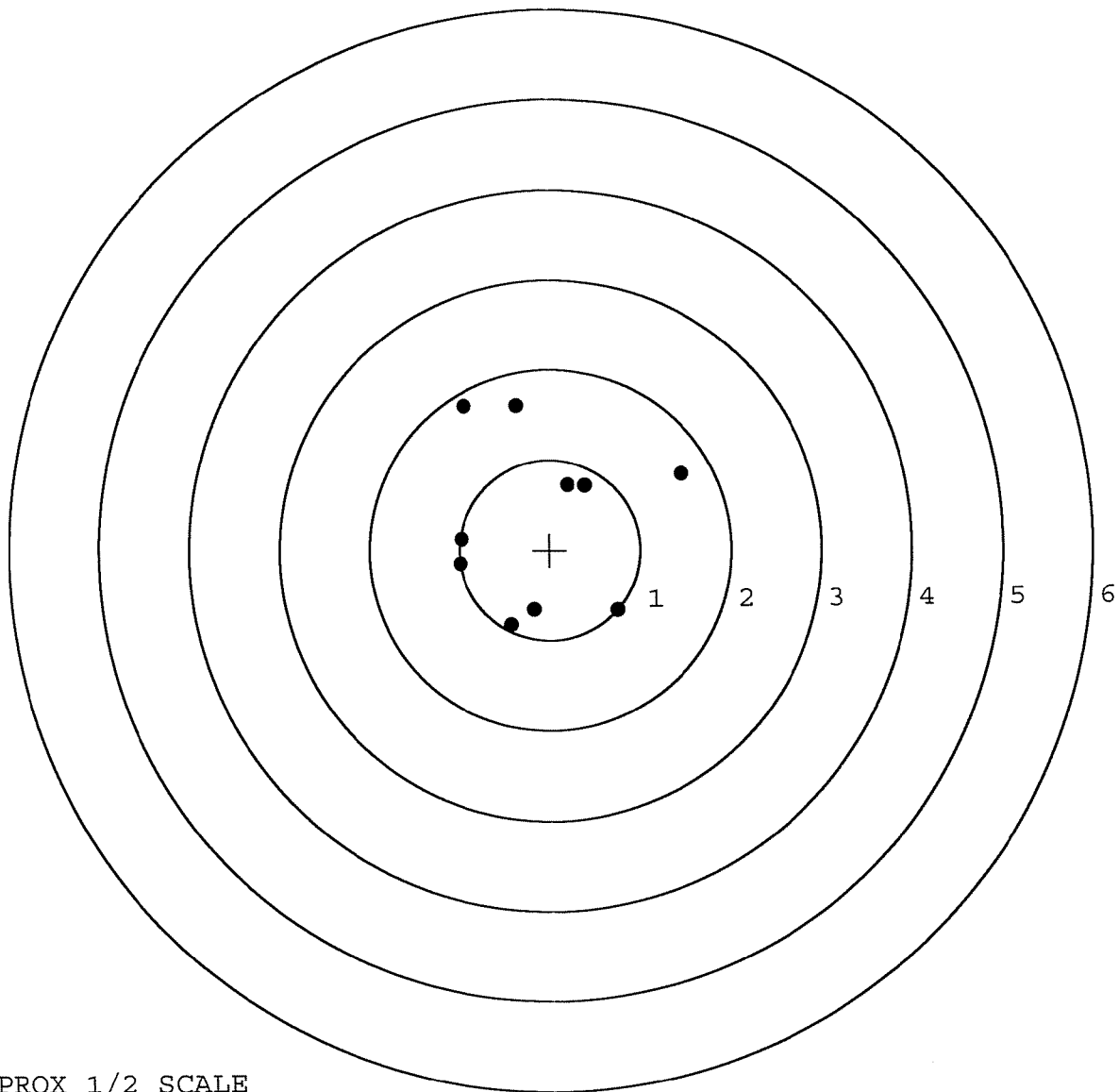
TARGET APPROX 1/2 SCALE

BARBER - M24 0162370

SERIAL NUMBER: G6300575. __0
TARGET NUMBER: 4
FILE DATE: 06/14/2004
FILE TIME: 06:32

X CENTROID: -0.107
Y CENTROID: 0.326
POA TO CENTROID: 0.344
HORZ SPREAD: 2.442
VERT SPREAD: 2.434
GROUP SPREAD: 2.634
MIN RADIUS: 0.502
MAX RADIUS: 1.643
MEAN RADIUS: 1.101
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.453	0.839
2:	-0.941	1.594
3:	-0.365	1.594
4:	0.202	0.722
5:	0.394	0.717
6:	0.751	-0.674
7:	-0.178	-0.670
8:	-0.428	-0.840
9:	-0.974	0.128
10:	-0.989	-0.147



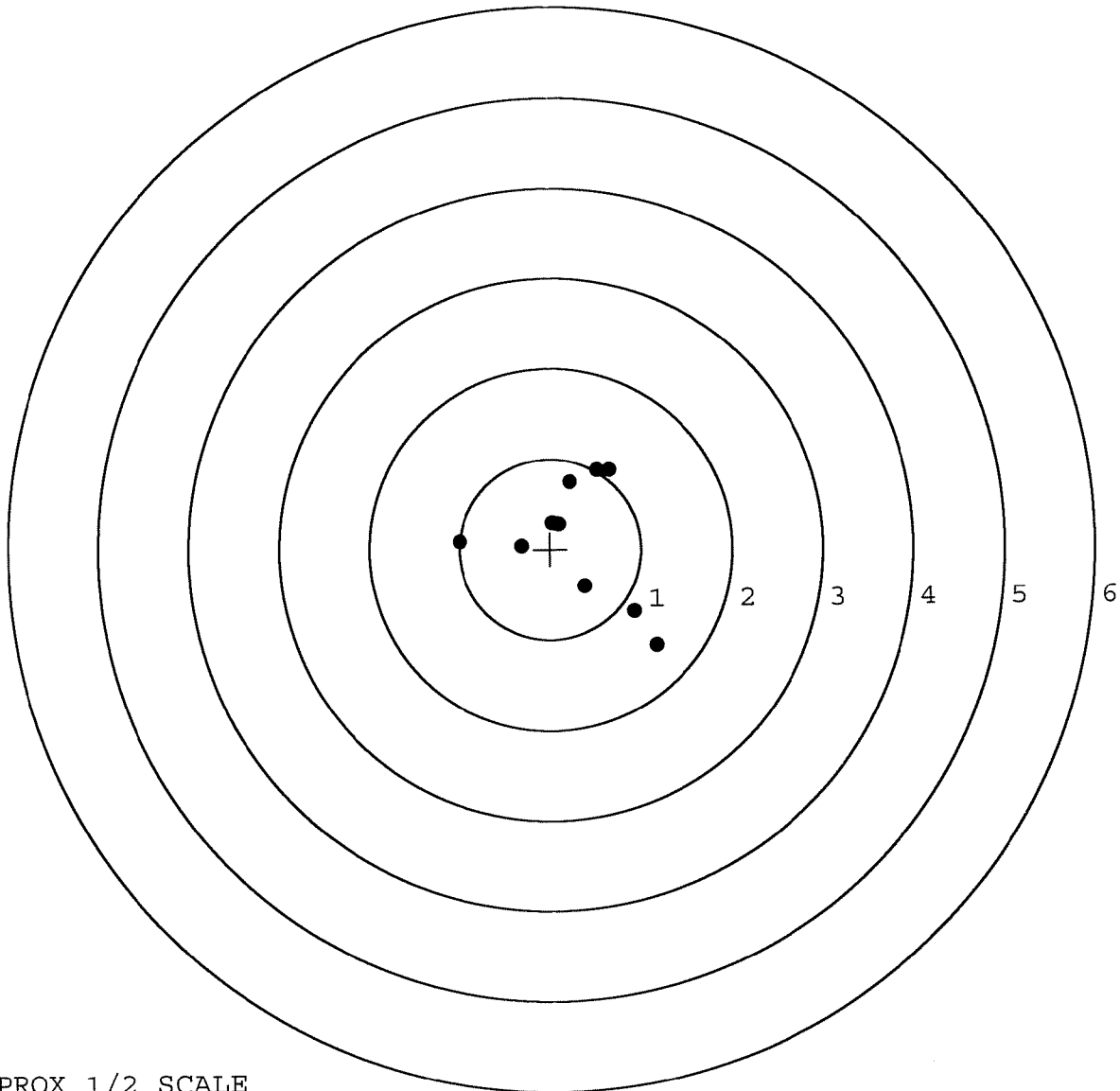
TARGET APPROX 1/2 SCALE

BARBER - M24 0162371

SERIAL NUMBER: G6300575. __0
TARGET NUMBER: 5
FILE DATE: 06/14/2004
FILE TIME: 06:32

X CENTROID: 0.268
Y CENTROID: 0.100
POA TO CENTROID: 0.286
HORZ SPREAD: 2.158
VERT SPREAD: 1.949
GROUP SPREAD: 2.451
MIN RADIUS: 0.246
MAX RADIUS: 1.475
MEAN RADIUS: 0.777
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.163	-1.073
2:	0.922	-0.700
3:	0.381	-0.417
4:	0.099	0.279
5:	0.223	0.744
6:	0.657	0.876
7:	0.525	0.874
8:	-0.317	0.039
9:	-0.995	0.090
10:	0.025	0.288



TARGET APPROX 1/2 SCALE

R & E NUMBER	81061		
SERIAL NUMBER	C6225062 C6300575 New		
LOG-IN DATE	5-20-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5-24-04	RTL
560 A	RE-BARREL		
B	DRILL AND TAP		
575	ASSEMBLE		
600	PROOF		
605	CHECK HEADSPACE		
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER	6-2-04	AS
618	ROTO-BLAST	6-2-04	DM
620	APPLY COATINGS	6-8	TA
625 A	FINAL ASSEMBLY	6-11-04	RTL
B	TRIGGER PULL TEST		RTL
C	SAFETY "ON" FORCE		RTL
D	SAFETY "OFF" FORCE		RTL
E	FIRING PIN INDENT		
640	TARGET	6-14-04	AC
655	FINAL INSPECT	6-16-04	RTL
660	PACK	6-16-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

INTERCHANGEABILITY

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225052

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	8	9/88	FB
600	Proof	9	7/88	RW
607	Check Headspace	9	7/88	RW
610	Dis-assemble gun	9	7/88	RW
612	Magnaflux Barrel Action		9-14-88	Pfe.
	Magnaflux Bolt		9-14-88	Pfe.
615	Rollmark Caliber		10/12	WC
617	Drill & Tap Sight Holes		10/12	FD
618	Polish Barrel		10/20	WT
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coatings (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		11/4/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/4/88	RW
	C) Inspect Ejector Hole for Chamfer		11/4/88	RW

OVER

BARBER - M24 0162374

OP.#		READINGS	DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y		11/4/88	RW
	E) Adjust Trigger Pull to Min. Setting and Stake		9 NOV 88	JU
	F) Safety on Force	5 5 5	9 NOV 88	JS
	G) Safety off Force	4 3 3	9 NOV 88	JS
	H) Trigger Pull Test & Retainabilty		9 NOV 88	JS
	I) Firing Pin Indent	.0215 .0215 .0215	9 NOV 88	JS
	J) Assemble Stock		11/10/88	RW
	K) Assemble Swivel Studs		30 NOV 88	JS
	L) Attach Front & Rear Sight Assemblies		11/10/88	RW
	M) Iron Sight Alignment		11/10/88	RW
	N) Detach Front & Rear Sights & place in numbered container		11/10/88	RW
	O) Attach Scope to Rifle		11 NOV 88	JS
	P) Detach & Attach Scope 20 times			
640	Gallery Target & Test	56 R 976	11-11-88	AC
	A) Optical Clarity of Scope	OK	11-11-88	AC
645	Inspect for Live Ammo	NONE	11-11-88	AC
655	Final Inspection			
	A) Headspace		30 NOV 88	JS
	B) Trigger Pull		30 NOV 88	JS
	C) Function		30 NOV 88	JS
660	Pack		12/15/88	RW

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6225052DATE 9/10/88TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.41	2.67	2.39	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.43	2.59	2.35	
PULL #3	2.48	2.36	2.24	2.30	
PULL #4	2.46	2.41	2.30	2.42	
PULL #5	2.43	2.45	2.24	2.38	
TOTAL	12.38	12.06	12.04	11.84	
AVG.	2.476	2.412	2.408	2.368	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.34		
PULL #2	3.25	3.43		
PULL #3	3.29	3.47		
PULL #4	3.25	3.49		
PULL #5	3.25	3.48		
TOTAL	16.23	17.21		
AVG.	3.246	3.442		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.15	4.28		4.08
PULL #2	4.23	4.42		4.10
PULL #3	4.22	4.42		4.15
PULL #4	4.27	4.45		4.05
PULL #5	4.30	4.32		4.17
TOTAL	21.17	21.89		20.49
AVG.	4.234	4.378		4.098

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225052

CENTROIDAL DISTANCES

0 TO	1	.38643
1 TO	2	.868807
1 TO	3	.722908
1 TO	4	.923914
1 TO	5	.652219

$\frac{0}{1} + \frac{1}{1} + \frac{1}{1} + \frac{1}{1} + \frac{1}{1}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .123
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .285
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .310409
THE AMR FOR THIS RIFLE IS: 1.151

14 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225052

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 8

HS = 0.7388

VS = 0.605

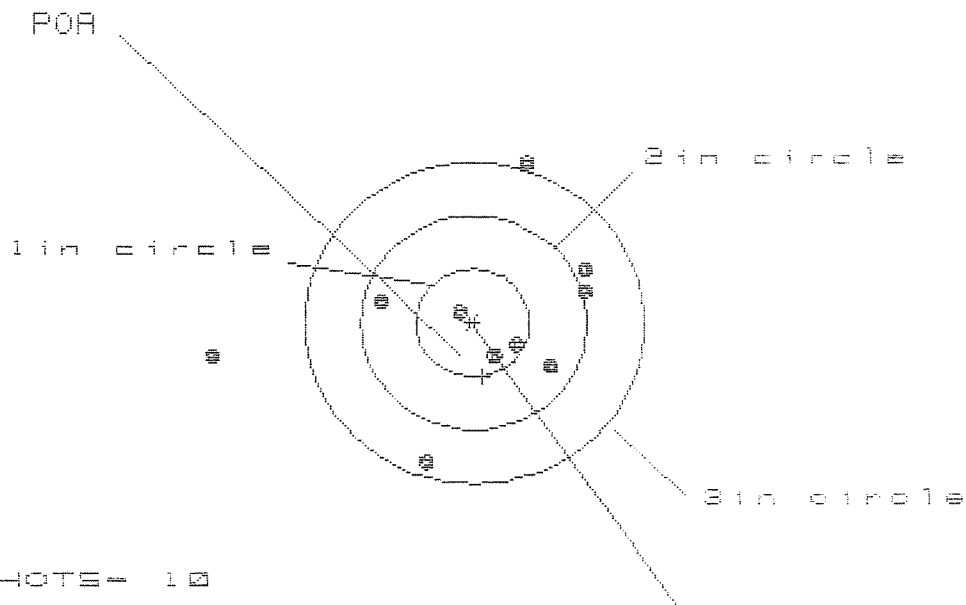
GS = 0.485

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.306	1.147	1.248
MINIMUM X	:	-1.432	-1.211	-1.110
MAXIMUM Y	:	1.312	1.275	1.141
MINIMUM Y	:	-1.293	-1.147	-1.281
CENTROID X	:	.228	.387	.286
CENTROID Y	:	-.312	-.458	-.324
POA TO CENTROID in.	:	.386	.599	.432
MIN RADIUS	:	.504	.511	.474
MEAN RADIUS	:	1.112	1.006	.951
MAX RADIUS	:	1.942	1.585	1.417
HORIZONTAL SPREAD	:	2.738	2.358	2.358
VERTICAL SPREAD	:	2.605	2.422	2.422
EXTREME SPREAD	:	3.485	2.926	2.708
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	8		

14 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225052

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS = 3.350

VS = 2.768

GS = 3.450

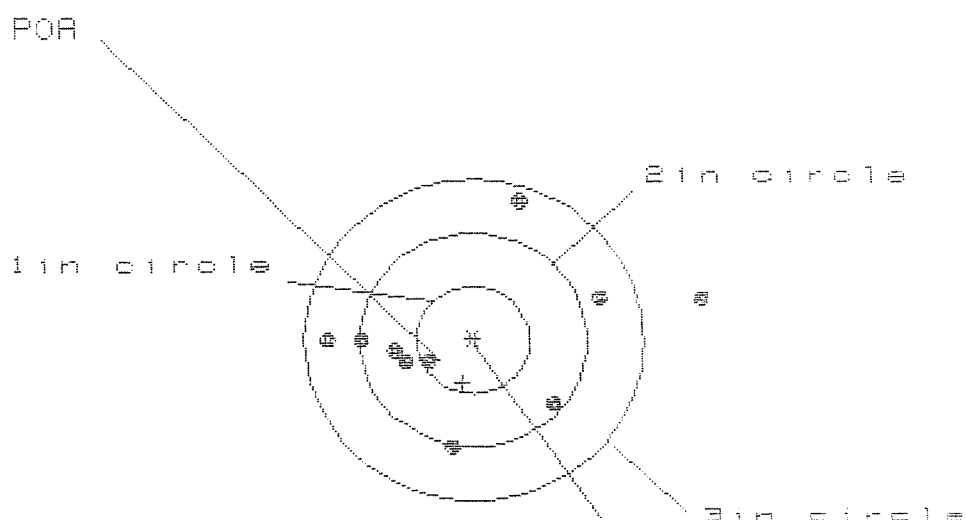
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.021	.762	.784
MINIMUM X	:	-2.329	-1.107	-1.085
MAXIMUM Y	:	1.491	1.454	.634
MINIMUM Y	:	-1.277	-1.314	-1.133
CENTROID X	:	-.081	.178	.156
CENTROID Y	:	.500	.537	.356
POR TO CENTROID in.	:	.506	.566	.388
MIN RADIUS	:	.165	.310	.199
MEAN RADIUS	:	1.006	.817	.704
MAX RADIUS	:	2.353	1.477	1.307
HORIZONTAL SPREAD	:	3.350	1.869	1.869
VERTICAL SPREAD	:	2.768	2.768	1.767
EXTREME SPREAD	:	3.450	2.895	2.277
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

14 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225052

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 5

HS= 3.305

VS= 2.317

GS= 3.328

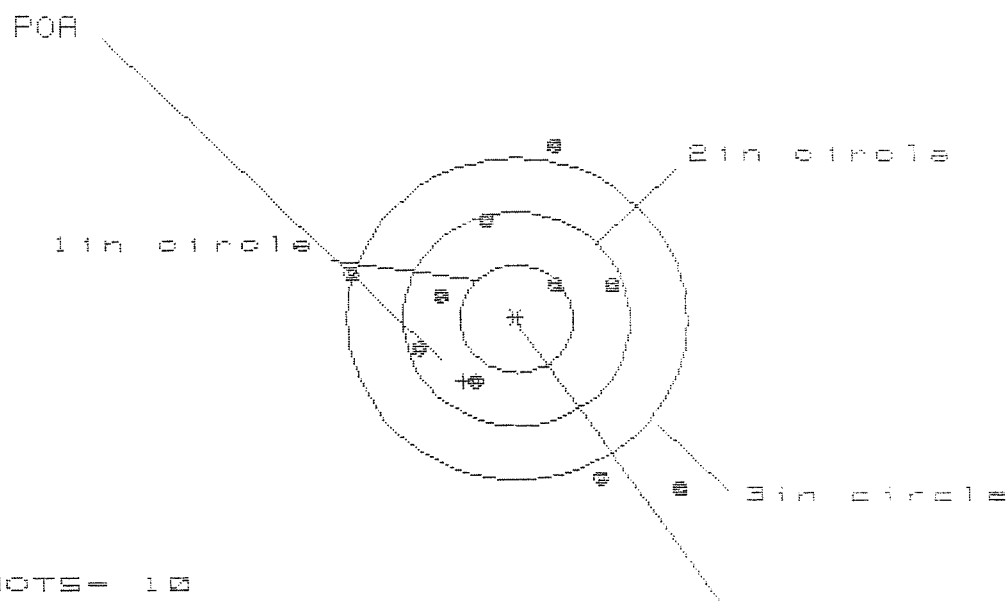
CENTROID #

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.970	1.341	1.414
MINIMUM X	-1.335	-1.116	-1.043
MAXIMUM Y	1.311	1.351	.586
MINIMUM Y	-1.006	-.966	-.797
CENTROID X	.092	-.127	-.200
CENTROID Y	.398	.358	.189
POA TO CENTROID in.	.408	.379	.275
MIN RADIUS	.423	.213	.104
MEAN RADIUS	1.055	.877	.751
MAX RADIUS	2.002	1.473	1.530
HORIZONTAL SPREAD	3.305	2.457	2.457
VERTICAL SPREAD	2.317	2.317	1.383
EXTREME SPREAD	3.328	2.491	2.491
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	

14 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225052

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 6

HS= 2.954

VS= 3.222

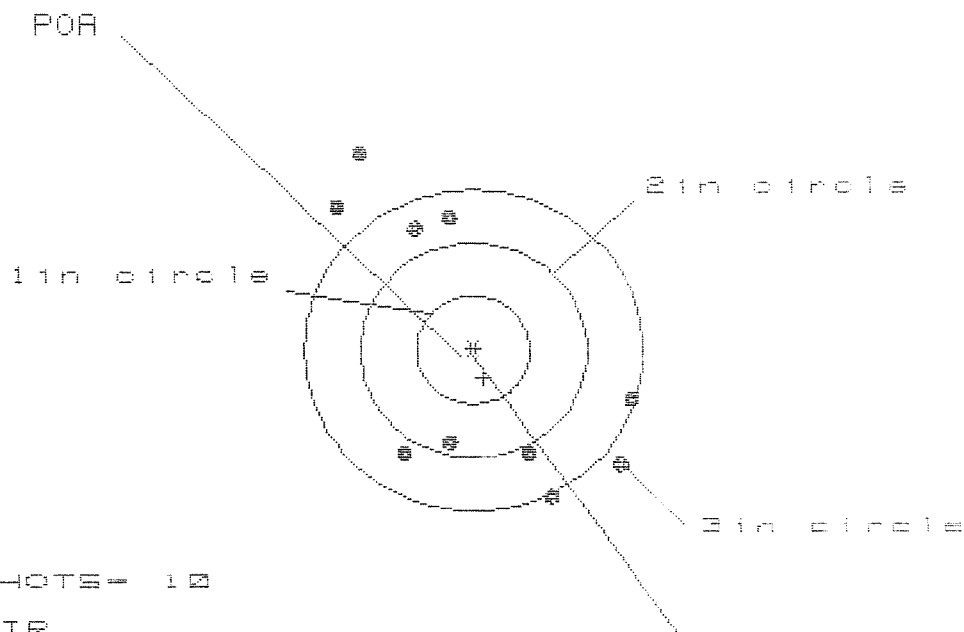
GS= 3.565

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.469	.952	1.011
MINIMUM X	-1.486	-1.322	-1.263
MAXIMUM Y	1.639	1.463	.958
MINIMUM Y	-1.583	-1.643	-1.460
CENTROID X	.465	.302	.243
CENTROID Y	.581	.757	.574
POA TO CENTROID in.	.745	.815	.624
MIN RADIUS	.497	.511	.486
MEAN RADIUS	1.160	1.015	.939
MAX RADIUS	2.159	1.874	1.748
HORIZONTAL SPREAD	2.954	2.274	2.274
VERTICAL SPREAD	3.222	3.106	2.418
EXTREME SPREAD	3.565	3.135	2.912
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		6	

14 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8225052

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 0

2in = 1

3in = 6

HS = 2.682

VS = 3.207

GS = 3.729

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.432	1.317	1.147
MINIMUM X	-1.250	-1.365	-0.873
MAXIMUM Y	1.885	1.545	1.679
MINIMUM Y	-1.322	-1.113	-0.920
CENTROID X	-0.089	.026	.196
CENTROID Y	.258	.049	-0.144
POA TO CENTROID in.	.273	.055	.243
MIN RADIUS	.881	.727	.594
MEAN RADIUS	1.422	1.295	1.138
MAX RADIUS	2.150	2.061	1.757
HORIZONTAL SPREAD	2.682	2.682	2.020
VERTICAL SPREAD	3.207	2.658	2.599
EXTREME SPREAD	3.729	3.474	2.802
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	1		
NUMBER IN THREE INCH CIRCLE =	6		

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225052

CENTROIDAL DISTANCES

0 TO	1	.437495
1 TO	2	.339921
1 TO	3	.0904268
1 TO	4	.204414
1 TO	5	.246465

94 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1688
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2798
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .326774

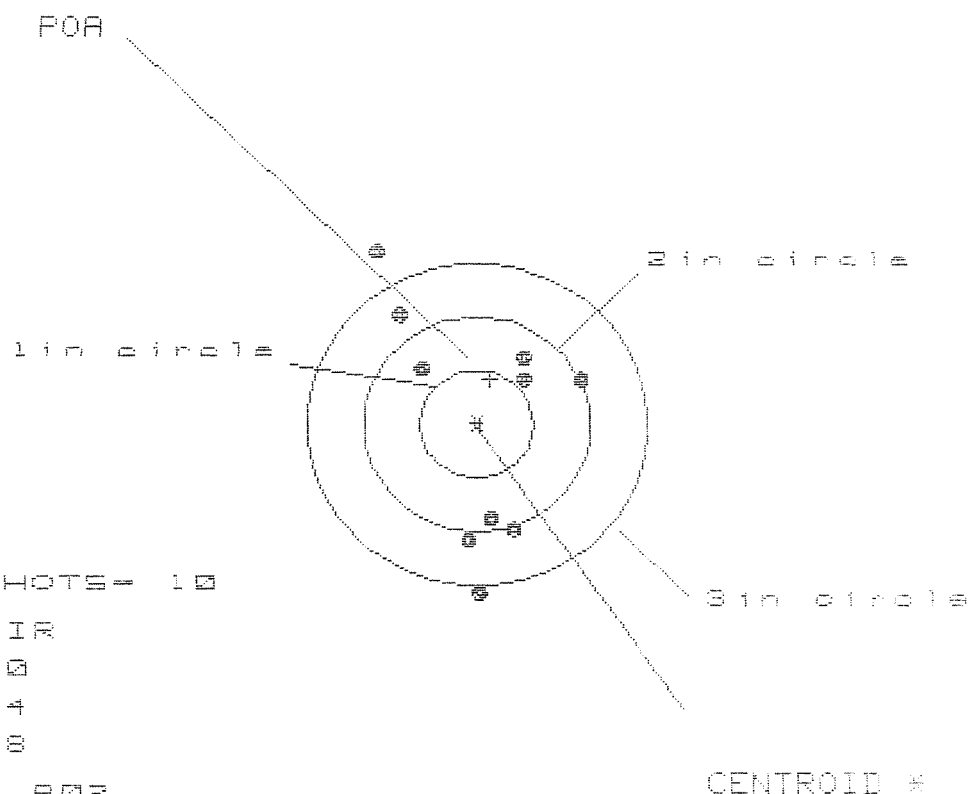
THE AMR FOR THIS RIFLE IS: 1.01

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225032.1

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 6

HS = 1.802

VS = 3.193

GS = 3.318

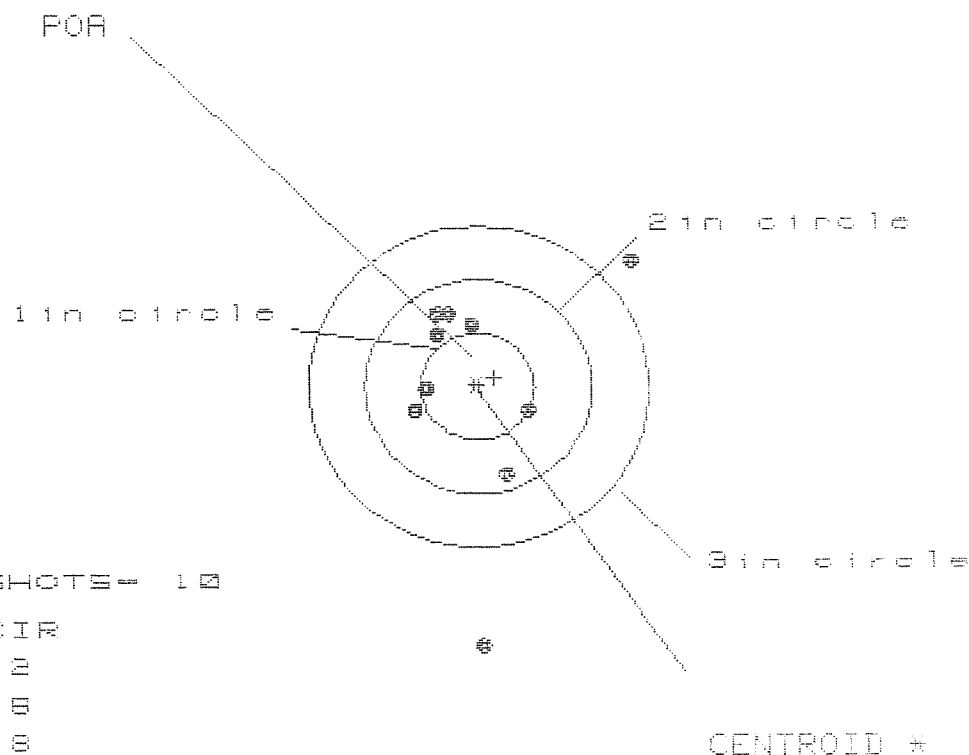
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.919	.821	.811
MINIMUM X	-.883	-.804	-.814
MAXIMUM Y	1.589	1.197	1.018
MINIMUM Y	-1.604	-1.427	-1.067
CENTROID X	-.119	-.021	-.011
CENTROID Y	-.421	-.598	-.419
POA TO CENTROID in.	.438	.598	.419
MIN RADIUS	.538	.624	.466
MEAN RADIUS	1.068	.971	.895
MAX RADIUS	1.818	1.442	1.304
HORIZONTAL SPREAD	1.802	1.625	1.625
VERTICAL SPREAD	3.193	2.624	2.085
EXTREME SPREAD	3.318	2.722	2.235
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225052.1

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 2

2in = 8

3in = 8

HS = 1.886

VS = 3.577

GS = 3.804

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.338	1.343	.571
MINIMUM X	:	-.548	-.543	-.375
MAXIMUM Y	:	1.199	.934	.515
MINIMUM Y	:	-2.378	-1.056	-.939
CENTROID X	:	-.144	-.149	-.317
CENTROID Y	:	-.082	.183	.066
POA TO CENTROID in.	:	.166	.236	.324
MIN RADIUS	:	.435	.326	.334
MEAN RADIUS	:	.909	.695	.545
MAX RADIUS	:	2.379	1.636	1.037
HORIZONTAL SPREAD	:	1.886	1.886	.946
VERTICAL SPREAD	:	3.577	1.990	1.454
EXTREME SPREAD	:	3.804	2.342	1.573
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225052.1

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 1.959

VS= 3.241

GS= 3.285

CENTROID *

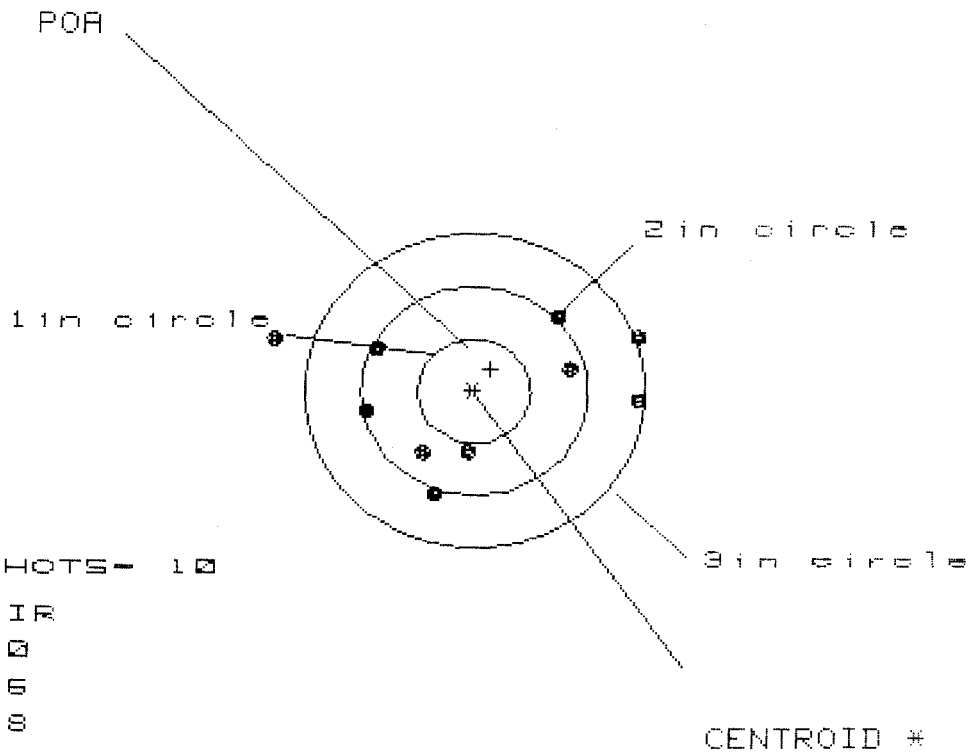
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.745
MINIMUM X	-1.214
MAXIMUM Y	1.392
MINIMUM Y	-1.849
CENTROID X	-.195
CENTROID Y	-.478
POA TO CENTROID in.	.509
MIN RADIUS	.280
MEAN RADIUS	.970
MAX RADIUS	1.861
HORIZONTAL SPREAD	1.959
VERTICAL SPREAD	3.241
EXTREME SPREAD	3.285
NUMBER IN ONE INCH CIRCLE	2
NUMBER IN TWO INCH CIRCLE	4
NUMBER IN THREE INCH CIRCLE	8

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225052.1

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 6

3 in = 8

HS= 3.220

VS= 1.679

GS= 3.290

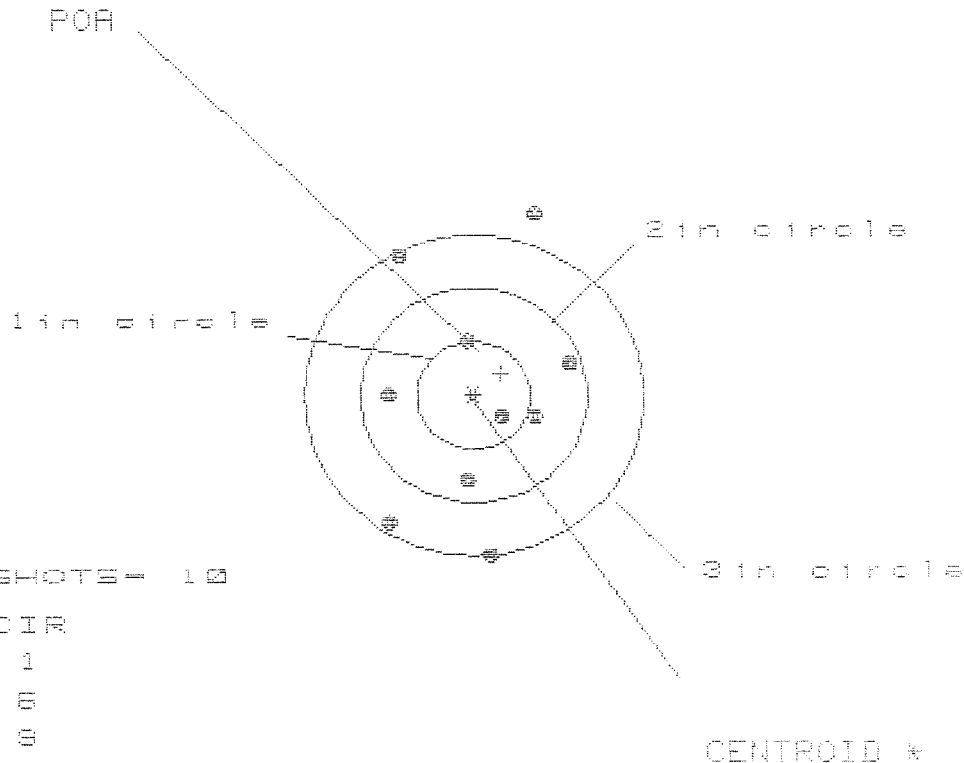
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.464	1.269	1.427
MINIMUM X	:	-1.756	-1.131	-.973
MAXIMUM Y	:	.694	.754	.830
MINIMUM Y	:	-.985	-.925	-.849
CENTROID X	:	-.143	.052	-.106
CENTROID Y	:	-.218	-.278	-.354
POA TO CENTROID in.	:	.261	.283	.369
MIN RADIUS	:	.603	.597	.475
MEAN RADIUS	:	1.108	1.018	.943
MAX RADIUS	:	1.838	1.397	1.427
HORIZONTAL SPREAD	:	3.220	2.400	2.400
VERTICAL SPREAD	:	1.679	1.679	1.679
EXTREME SPREAD	:	3.290	2.493	2.412
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/09285052.1

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 3

HS= 1.616

VS= 3.165

GS= 3.192

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.824	.886	.886
MINIMUM X	-.792	-.730	-.810
MAXIMUM Y	1.714	1.492	.986
MINIMUM Y	-1.451	-1.261	-1.074
CENTROID X	-.243	-.385	-.225
CENTROID Y	-.208	-.398	-.585
POA TO CENTROID in.	.320	.502	.627
MIN RADIUS	.375	.354	.303
MEAN RADIUS	.996	.892	.777
MAX RADIUS	1.803	1.624	1.122
HORIZONTAL SPREAD	1.616	1.616	1.616
VERTICAL SPREAD	3.165	2.753	1.980
EXTREME SPREAD	3.192	2.879	2.151
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

BARBER - M24 **M2400162427**

[illegible]

**CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON**

BARBER - M24 0162389162428

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225052
14 Jan 1993

CENTROIDAL DISTANCES

0 TO	1	.582383
1 TO	2	.699561
1 TO	3	1.83095
1 TO	4	.970098
1 TO	5	1.44557

1
2
3
4
5 3

<----POA

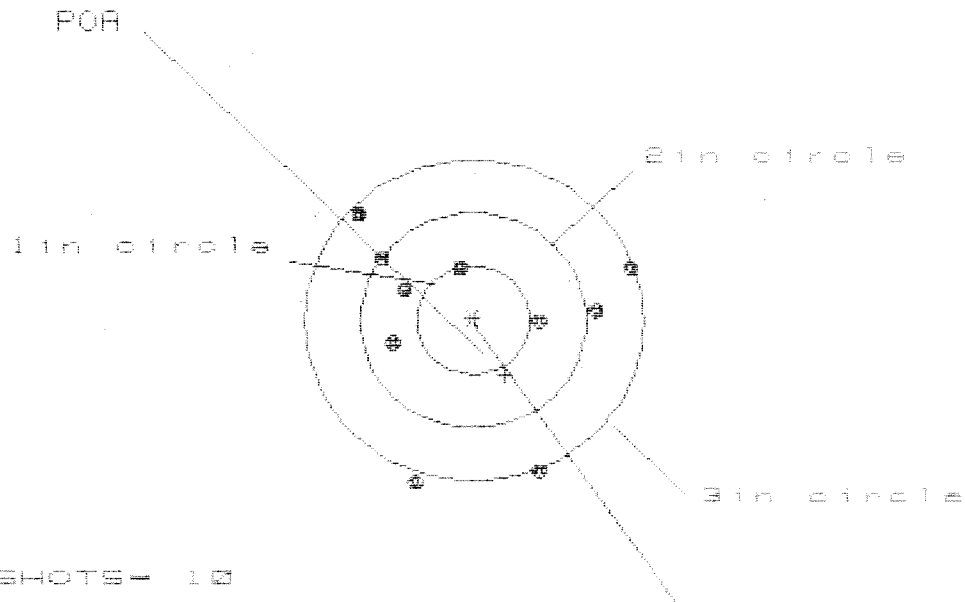
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .124
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.3728
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .392881

THE AMR FOR THIS RIFLE IS: 1.011

14 Jan 1993

FILE:/PATTERNING/CENTERFIRE_PATT/08225052

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 5

3 in = 7

HS = 2.400

VS = 2.555

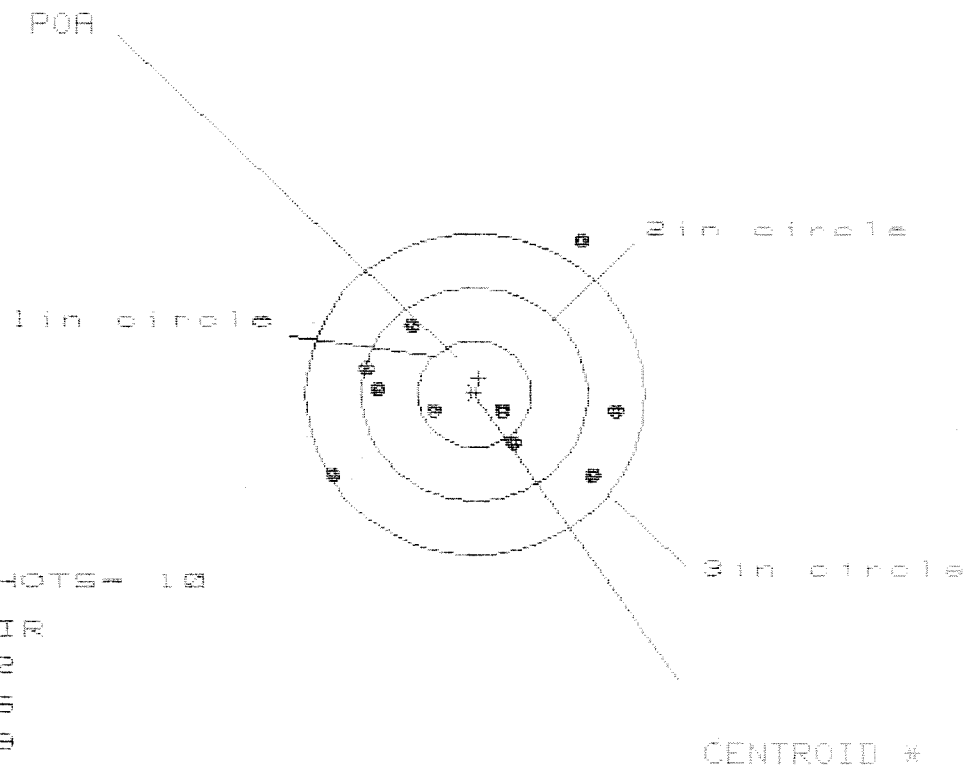
GS = 2.921

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.424	1.369	1.440
MINIMUM X	-1.976	-1.031	-1.960
MAXIMUM Y	1.036	.867	.670
MINIMUM Y	-1.519	-1.579	-1.543
CENTROID X	-.283	-.228	-.299
CENTROID Y	.509	.678	.875
POA TO CENTROID in.	.583	.715	.925
MIN RADIUS	.545	.398	.189
MEAN RADIUS	1.088	1.006	.885
MAX RADIUS	1.598	1.677	1.450
HORIZONTAL SPREAD	2.400	2.400	2.400
VERTICAL SPREAD	2.555	2.446	1.213
EXTREME SPREAD	2.921	2.921	2.452
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

14 Jan 1993

FILE:/PATTERNING/CENTERFIRE_PATT/06225052

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.485

VS= 2.201

GS= 3.082

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.220	1.319	1.174
MINIMUM X	-1.265	-1.166	-.960
MAXIMUM Y	1.408	.779	.700
MINIMUM Y	-.793	-.637	-.635
CENTROID X	-.040	-.139	.086
CENTROID Y	-.147	-.303	-.224
POA TO CENTROID in.	.152	.334	.224
MIN RADIUS	.304	.213	.240
MEAN RADIUS	.946	.847	.781
MAX RADIUS	1.667	1.328	1.206
HORIZONTAL SPREAD	2.485	2.485	2.134
VERTICAL SPREAD	2.201	1.416	1.335
EXTREME SPREAD	3.082	2.561	2.227
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

14 Jan 1993

FILE:/PATTERNING/CENTERFIRE_PATT/06225052

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 2

2in = 8

3in = 10

HS = 1.831

VS = 1.847

GS = 2.868

CENTROID #

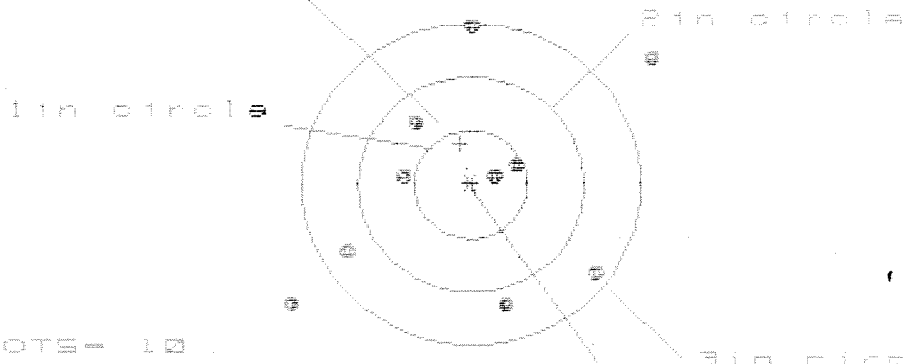
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.973
MINIMUM X	-.858
MAXIMUM Y	.621
MINIMUM Y	-1.226
CENTROID X	.884
CENTROID Y	-.934
POA TO CENTROID in.	1.287
MIN RADIUS	.287
MEAN RADIUS	.745
MAX RADIUS	1.226
HORIZONTAL SPREAD	1.831
VERTICAL SPREAD	1.847
EXTREME SPREAD	2.068
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	10

14 Jan 1993

FILE:/PATTERNING/CENTERFIRE_PATT/08225002

CENTERFIRE PATTERNS # 4

POA



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 7

HS= 3.241

VS= 2.654

GS= 3.942

CENTROID *

PATTERN #

SHOTS (BEST OF)

MAXIMUM X	1.652	1.388	1.132
MINIMUM X	-1.589	-1.485	-1.087
MAXIMUM Y	1.515	1.642	1.521
MINIMUM Y	-1.139	-1.012	-1.133
CENTROID X	.096	-.088	.088
CENTROID Y	-.384	-.511	-.390
POA TO CENTROID in.	.395	.519	.399
MIN RADIUS	.273	.465	.283
MEAN RADIUS	1.141	1.049	.934
MAX RADIUS	2.011	1.707	1.521
HORIZONTAL SPREAD	3.241	2.713	2.219
VERTICAL SPREAD	2.654	2.654	2.654
EXTREME SPREAD	3.942	3.075	2.668
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		7	

14 Jan 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C6225052

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 8

HS= 2.735

VS= 2.011

GS= 3.005

CENTROID *

PATTERN #	5	6	7
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.436	1.301	1.121
MINIMUM X	-1.299	-1.434	-1.219
MAXIMUM Y	1.173	1.277	1.196
MINIMUM Y	-0.838	-0.734	-0.821
CENTROID X	.003	.138	.318
CENTROID Y	-.908	-1.012	-.925
POA TO CENTROID in.	.908	1.021	.978
MIN RADIUS	.542	.414	.522
MEAN RADIUS	1.137	1.079	1.027
MAX RADIUS	1.536	1.593	1.249
HORIZONTAL SPREAD	2.735	2.735	2.340
VERTICAL SPREAD	2.011	2.011	2.011
EXTREME SPREAD	3.005	3.005	2.383
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

GFM

CONTRACT # DAAA21-87-C-0086

Repair
New Barrel 1

GUN SERIAL # C6225052

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		1/5/93	RW
600	Proof		1/5/93	RW
607	Check Headspace		1/5/93	RW
610	Dis-assemble Gun		1/5/93	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/12/93	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/12/93	RW
	C) Inspect Ejector Hole for Chamfer		1/12/93	RW
	D) Oil Firing Pin Ass'y		1/12/93	RW
	E) Adjust Trigger Pull to Min Setting and Stake			

Op. #	BARBER - M24 0162399 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force							
	G) Safety Off Force							
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test						1/12/93	RW
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo						1/12/93	RW
655	Final Inspection A) Headspace						1/13/93	RW
	B) Trigger Pull	2.51	2.48	2.48	2.45	2.52	1/13/93	RW
	C) Function						1/13/93	RW
660	Pack							