

G 646 16 42
Replaced
C-6498754

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: RE00131267

Serial: G6461642 Model M24 SWS Center Fire

Repairman:

Verify Repair

Status:

Closed 7/11/2007 1:45:58 PM

Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPORTATION DIVISION DFEL

TRANSPORTATION DIVISION DFEL

Address 1: 6759 MITCHELL AVENUE

6759 MITCHELL AVENUE

Address 2: BLDG 1836

PO Box:

BLDG 1836

PO Box:

City: FORT BENNING

FORT BENNING

State: GA

Zip Code: 31905

Country: US

State: GA

Zip Code: 31905

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

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
A026	Scope	1
A057	Fit and Rear Sgt Base	2

Repair Search

Refresh

Close

nagletj

7/12/2007

8:02 AM

CAPS

NUM

INS

SCRL

start

5 Micro...

4 Inter...

5 Micro...

2 SAP L...

Arms Ser...

8:02 AM

Serial: G6461642

Model: M24 SWS

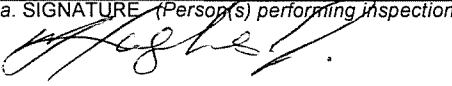


RE00131267

New to prod

EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

1. ORGANIZATION C. Co. 2/29 INF (Sniper School)				2. NOMENCLATURE AND MODEL M-24 SWS		
3. REGISTRATION/SERIAL/NSN G6461642/890033	4a. MILES	b. HOURS	c. ROUNDS FIRED 5800	d. HOT STARTS	5. DATE 20 JUN 07	6. TYPE INSPECTION PMCS
7. APPLICABLE REFERENCE						
TM NUMBER 9-1005-306-10		TM DATE 13 June 2003		TM NUMBER		TM DATE
COLUMN a - Enter TM item number. COLUMN b - Enter the applicable condition status symbol. COLUMN c - Enter deficiencies and shortcomings.				COLUMN d - Show corrective action for deficiency or shortcoming listed in Column c. COLUMN e - Individual ascertaining completed corrective action initial in this column.		
STATUS SYMBOLS						
"X" - Indicates a deficiency in the equipment that places it in an inoperable status. CIRCLED "X" - Indicates a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until corrective action can be accomplished. HORIZONTAL DASH "(-)" - Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished.				DIAGONAL "(/)" - Indicates a material defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable. LAST NAME INITIAL IN BLACK, BLUE-BLACK INK, OR PENCIL - Indicates that a completely satisfactory condition exists. FOR AIRCRAFT - Status symbols will be recorded in red.		
ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.						
8a. SIGNATURE (Person(s) performing inspection) 		8b. TIME 0945	9a. SIGNATURE (Maintenance Supervisor) 		9b. TIME	10. MANHOURS REQUIRED
TM ITEM NO. a	STATUS b	DEFICIENCIES AND SHORTCOMINGS c		CORRECTIVE ACTION d		INITIAL WHEN CORRECTED e
1	/	Bolt Release button sticks.				
2	/	Stock rear swivel screw is stripped				
2	/	Front and rear swivel and swivel screws are missing				
2	X	Front and Rear guard screws are stripped.				
2	X	Bipod leg is broke.				
3	X	Barrel has exceeded acceptable round count.				
8	X	Front and rear scope mounts are missing.				
8	/	All 3 day optic sight adj. dial dust covers are missing.				
8	/	Front and rear day optic sight dust covers are missing.				

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461642.___0

FILE DATE AND TIME: 08/17/2007 10:13

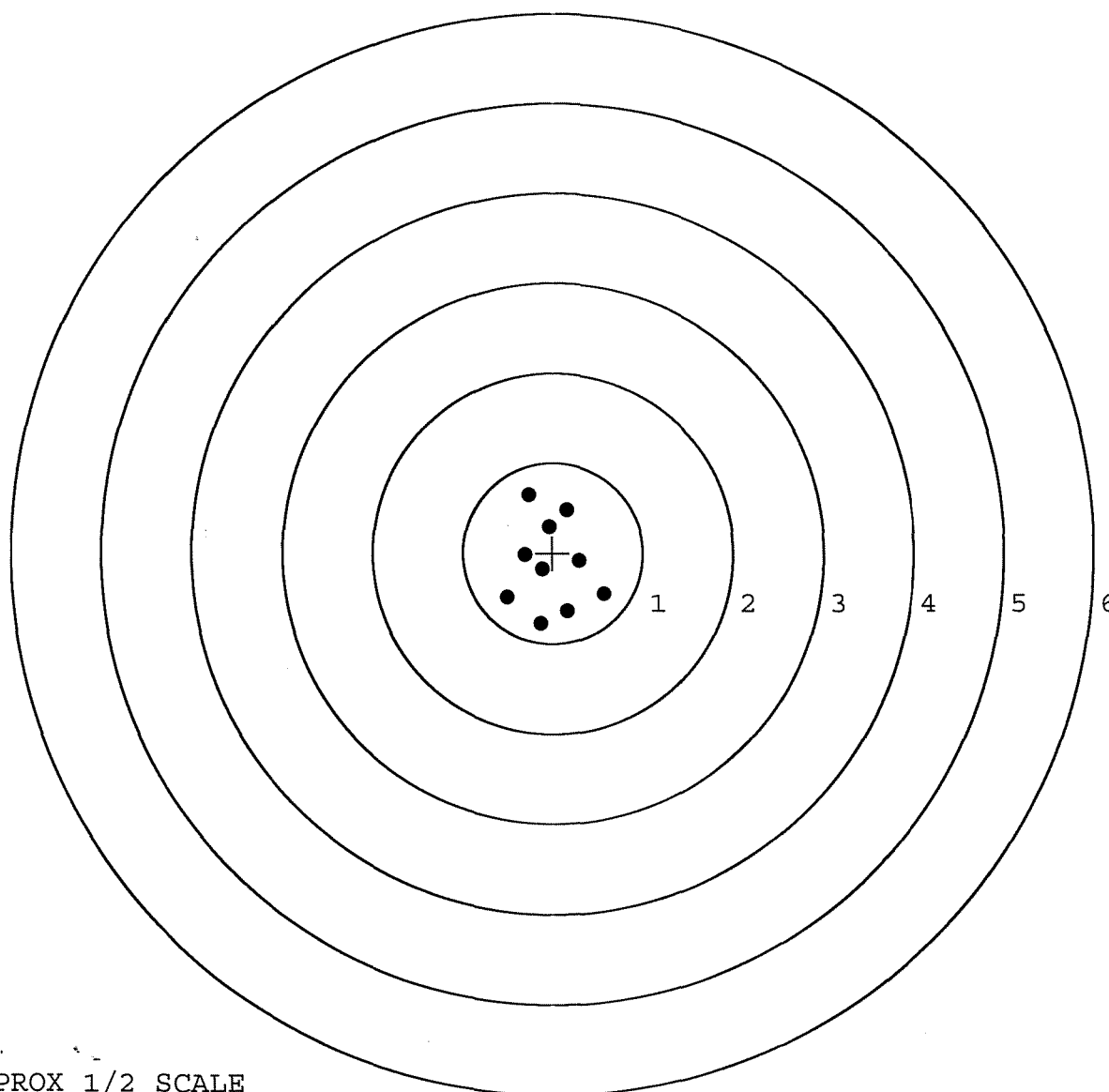
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.027
The Average Y Centroid of the Five Target Set:	0.104
The Average Point of Impact of the Five Target Set:	0.108
The Average Mean Radius of the Five Target Set:	0.670
The Distance from POA to Centroid Target #1:	0.126
The Distance from Centroid Target #2 to Centroid Target #1:	0.529
The Distance from Centroid Target #3 to Centroid Target #1:	0.296
The Distance from Centroid Target #4 to Centroid Target #1:	0.062
The Distance from Centroid Target #5 to Centroid Target #1:	0.554

SERIAL NUMBER: G6461642. __ 0
 TARGET NUMBER: 1
 FILE DATE: 08/17/2007
 FILE TIME: 10:13

POINT#	X	Y
1:	0.572	-0.449
2:	0.165	-0.644
3:	-0.138	-0.782
4:	0.298	-0.082
5:	-0.115	-0.183
6:	-0.509	-0.493
7:	-0.311	-0.021
8:	-0.043	0.291
9:	0.158	0.474
10:	-0.271	0.643

X CENTROID: -0.019
 Y CENTROID: -0.125
 POA TO CENTROID: 0.126
 HORZ SPREAD: 1.081
 VERT SPREAD: 1.425
 GROUP SPREAD: 1.431
 MIN RADIUS: 0.112
 MAX RADIUS: 0.808
 MEAN RADIUS: 0.510
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461642. 0

TARGET NUMBER: 2

FILE DATE: 08/17/2007

FILE TIME: 10:13

X CENTROID: 0.159

Y CENTROID: 0.374

POA TO CENTROID: 0.406

HORZ SPREAD: 1.640

VERT SPREAD: 2.032

GROUP SPREAD: 2.281

MIN RADIUS: 0.137

MAX RADIUS: 1.447

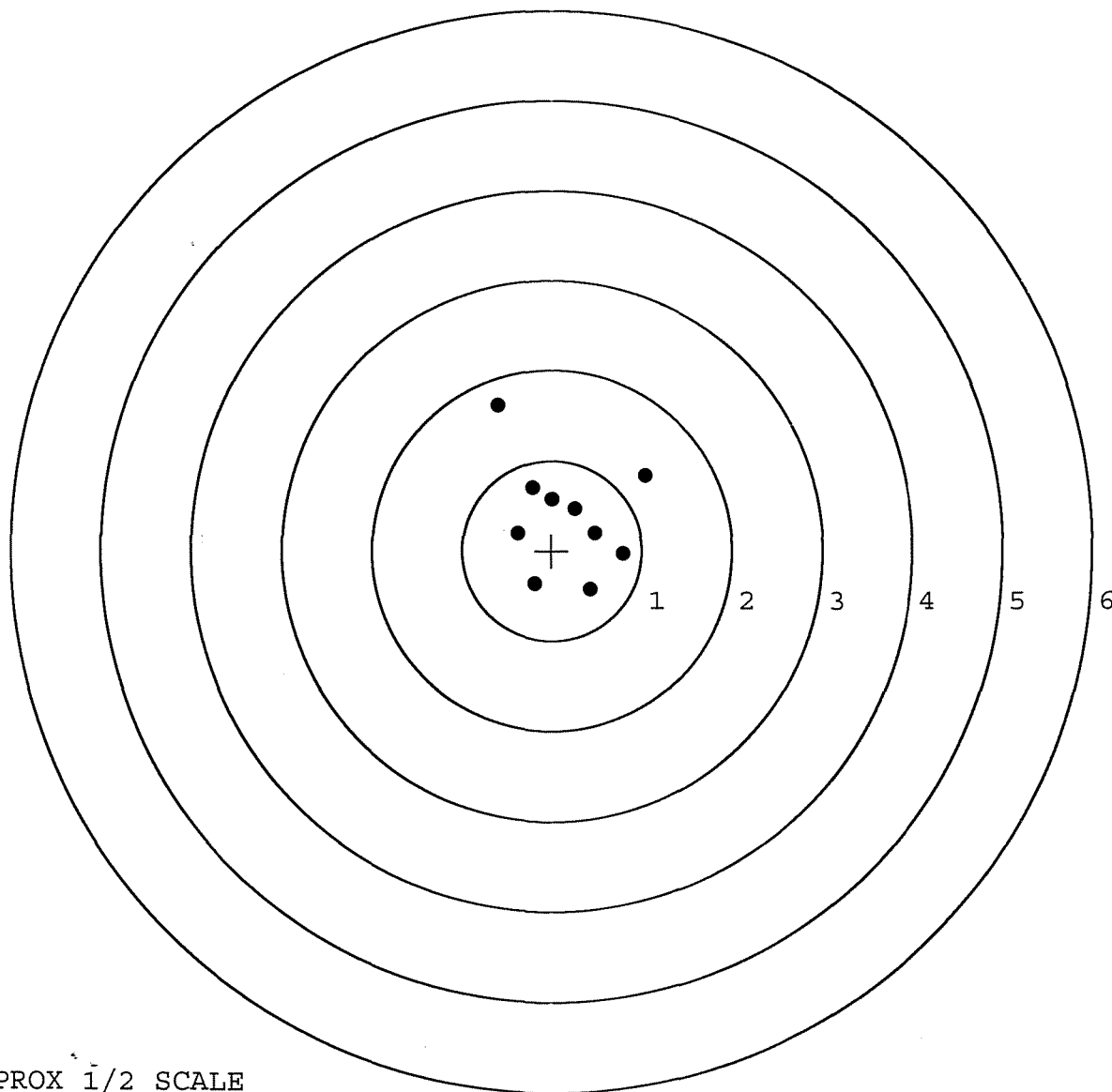
MEAN RADIUS: 0.670

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.431	-0.430
2:	0.797	-0.038
3:	0.476	0.194
4:	0.256	0.470
5:	-0.006	0.575
6:	-0.217	0.703
7:	-0.384	0.189
8:	-0.188	-0.369
9:	1.034	0.840
10:	-0.606	1.602



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461642. __0

TARGET NUMBER: 3

FILE DATE: 08/17/2007

FILE TIME: 10:13

X CENTROID: -0.273

Y CENTROID: 0.028

POA TO CENTROID: 0.275

HORZ SPREAD: 2.330

VERT SPREAD: 1.470

GROUP SPREAD: 2.383

MIN RADIUS: 0.172

MAX RADIUS: 1.415

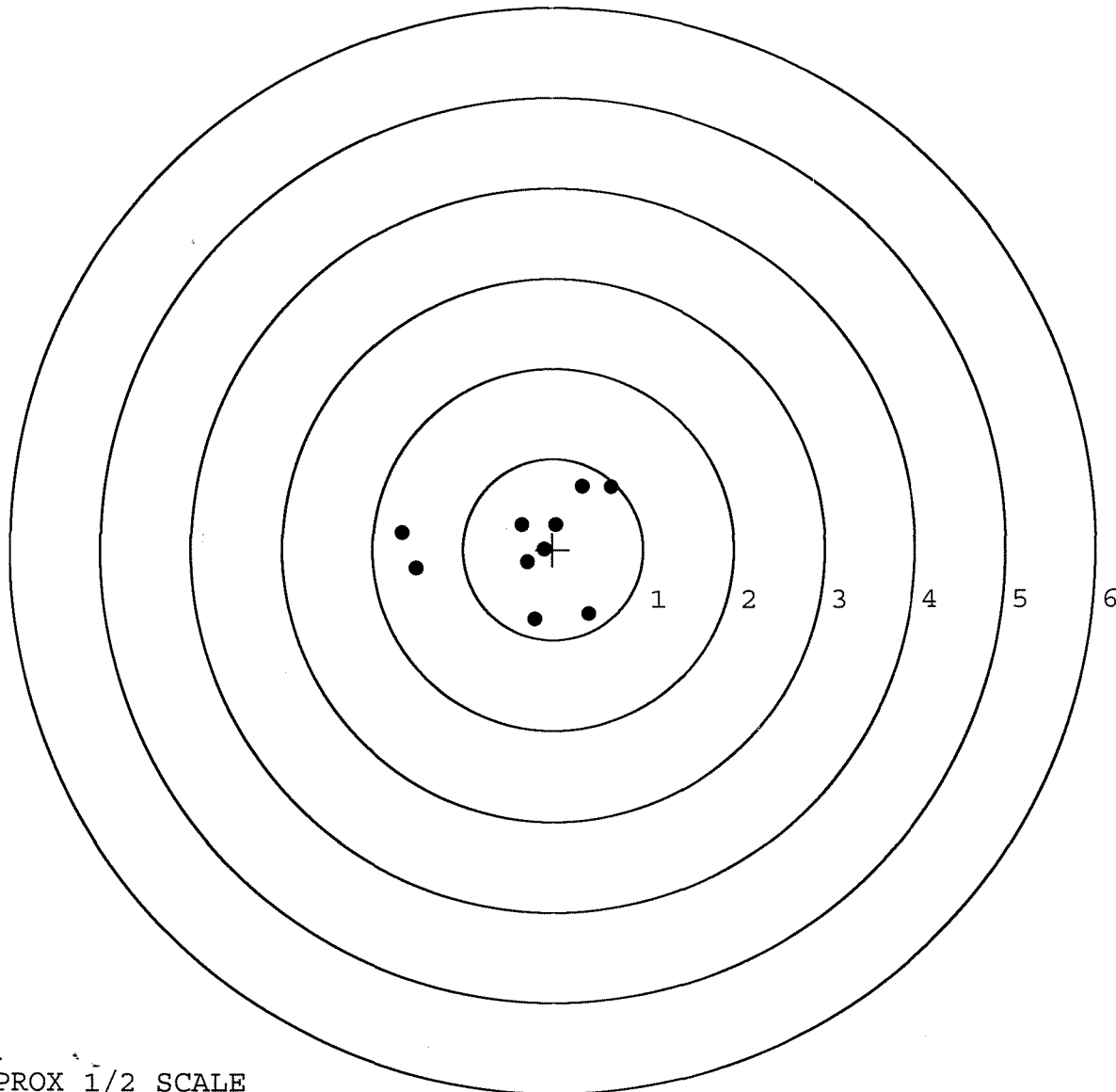
MEAN RADIUS: 0.753

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.395	-0.719
2:	-0.206	-0.775
3:	0.651	0.693
4:	0.321	0.695
5:	-0.352	0.274
6:	0.032	0.274
7:	-0.094	0.000
8:	-0.282	-0.144
9:	-1.519	-0.210
10:	-1.679	0.193

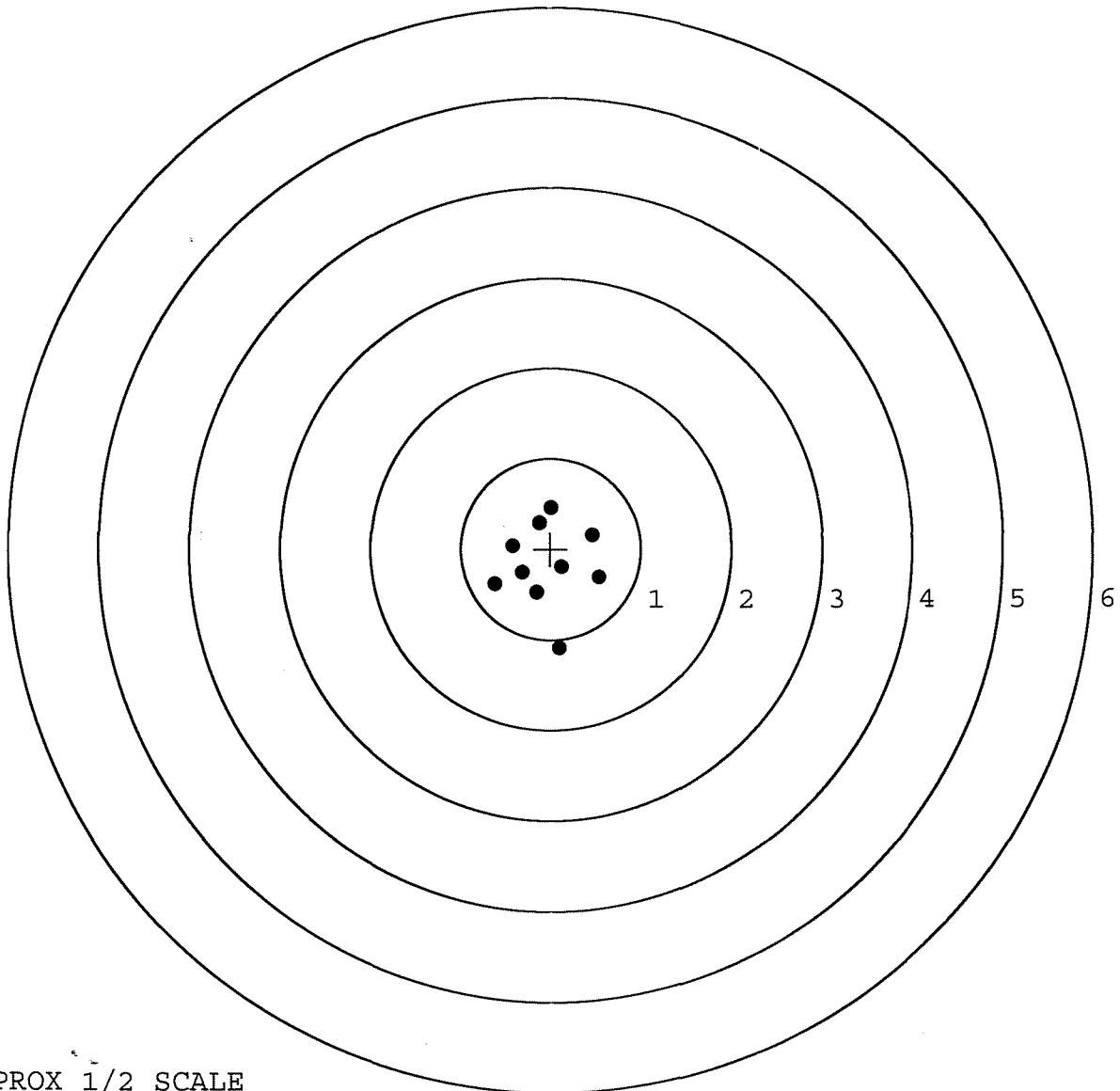


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461642. __0
 TARGET NUMBER: 4
 FILE DATE: 08/17/2007
 FILE TIME: 10:13

POINT#	X	Y
1:	0.098	-1.099
2:	0.534	-0.319
3:	0.121	-0.206
4:	0.462	0.157
5:	-0.001	0.460
6:	-0.130	0.291
7:	-0.423	0.040
8:	-0.626	-0.393
9:	-0.157	-0.483
10:	-0.314	-0.266

X CENTROID: -0.044
 Y CENTROID: -0.182
 POA TO CENTROID: 0.187
 HORZ SPREAD: 1.160
 VERT SPREAD: 1.559
 GROUP SPREAD: 1.562
 MIN RADIUS: 0.166
 MAX RADIUS: 0.928
 MEAN RADIUS: 0.508
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461642. 0

TARGET NUMBER: 5

FILE DATE: 08/17/2007

FILE TIME: 10:13

X CENTROID: 0.041

Y CENTROID: 0.427

POA TO CENTROID: 0.428

HORZ SPREAD: 2.725

VERT SPREAD: 2.597

GROUP SPREAD: 2.804

MIN RADIUS: 0.195

MAX RADIUS: 2.017

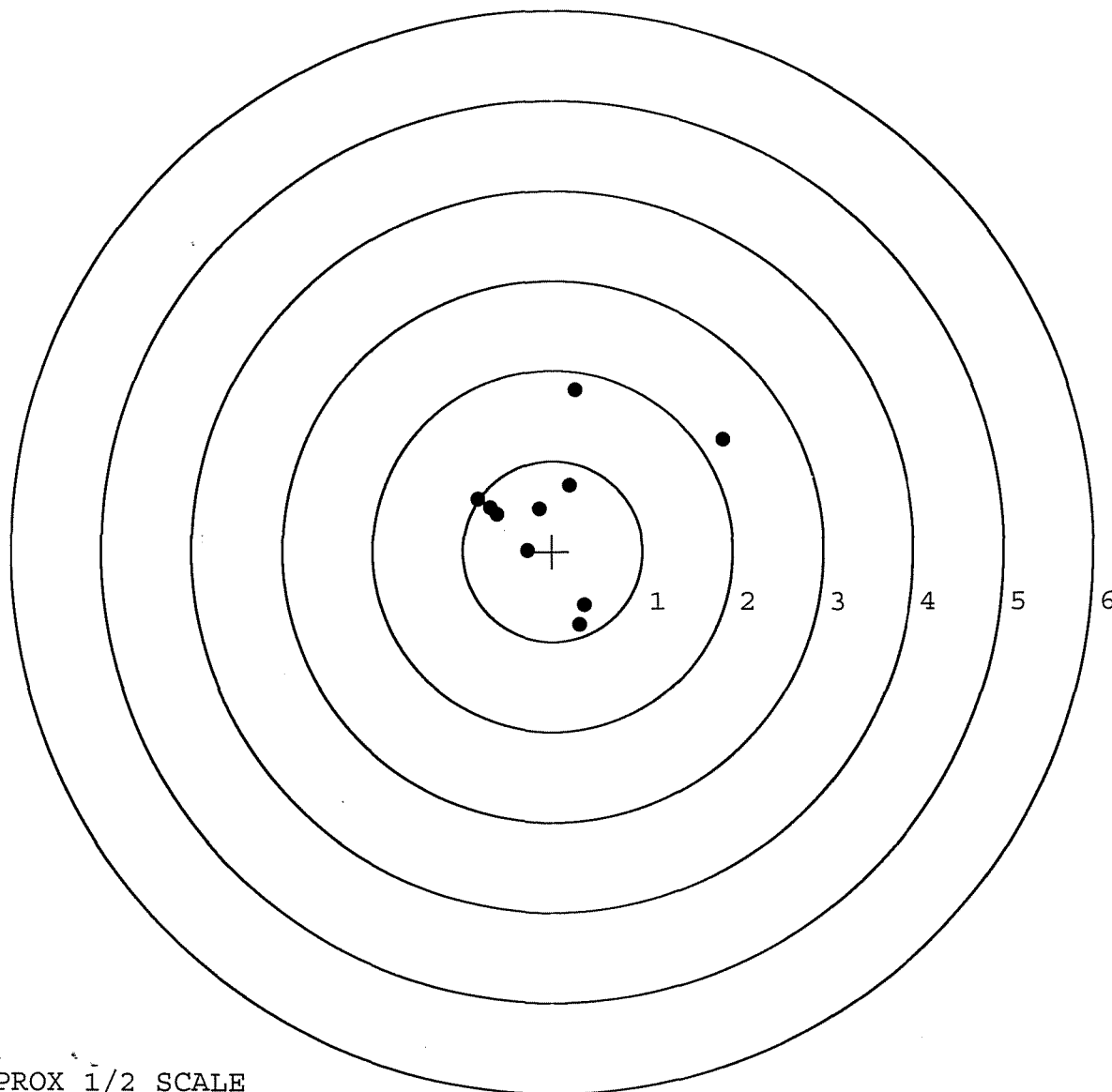
MEAN RADIUS: 0.908

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.304	-0.815
2:	0.357	-0.595
3:	-0.274	0.010
4:	-0.150	0.468
5:	0.187	0.727
6:	-0.626	0.405
7:	-0.837	0.573
8:	-0.697	0.474
9:	0.258	1.782
10:	1.888	1.236



TARGET APPROX 1/2 SCALE

R & E NUMBER

131267

SERIAL NUMBER

G16461642

LOG-IN DATE

7-11-07

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		8-7-07	RTZ
505	RE-BARREL		8-9-07	RTZ
560	ASSEMBLE		8-9-07	RTZ
600	PROOF	MAGNA-FLUX	8-9-07	mm
605	CHECK HEADSPACE	AUG 14 2007	8-9-07	mm
610	DIS-ASSEMBLE GUN		8-9-07	SD
612	MAGNAFLUX	OPERATOR NR8	8-14-07	NR8
510	DRILL AND TAP		8-10-07	TRW
615	ROLLMARK CALIBER		8-10-07	CW
618	ROTO-BLAST		8-14-07	LY
620	APPLY COATINGS		8/15/07	RB
625	FINAL ASSEMBLY			
640	FUNCTION TEST AND	PASS FAIL	8-17-07	TRW
650	TARGET	PASS FAIL	8-17-07	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	3-18-07	Fm
670	FINAL INSPECTION		8/18/07	mm
	A) HEADSPACE	PASS FAIL	8/18/07	mm
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	243 2.42 2.46 2.50 2.47	8/18/07 mm
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.50 4.25 4.50	8/18/07 mm
	G) SAFETY OFF FORCE	2 LBS FAIL	2.0 2.0 2.0	8/18/07 mm
	I) FIRING PIN INDENT	.020	.024 .024 .024	8/18/07 mm
690	PACK		8-21-07	RA

Repair Inquiry

Repair Number: RE00104588

Serial: G6498756 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 12/5/2005 10:56:24 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: TRANSPORTATION DIV DFEL

TRANSPORTATION DIV DFEL

Address 1: 5759 MITCHELL AVENUE

5759 MITCHELL AVENUE

Address 2: BLDG 1836

PO Box:

BLDG 1836

PO Box:

City: FORT BENNING

FORT BENNING

State: GA

Zip Code: 31905

Country: US

State: GA

Zip Code: 31905

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

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
A015	Scope Rings	2
A017	Scope Base	1
A025	Extra Choke Tubes	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglel

12/5/2005

12:47 PM

CAPS

NUM

INS

SCPL

start

2

Arms B

3

3

4

2

5

6

7

G6461642

C6498756

Model: M24 SWS



RE00104588

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461642.___0

FILE DATE AND TIME: 12/14/2005 22:40

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.104
The Average Y Centroid of the Five Target Set:	0.224
The Average Point of Impact of the Five Target Set:	0.247
The Average Mean Radius of the Five Target Set:	0.672
The Distance from POA to Centroid Target #1:	0.338
The Distance from Centroid Target #2 to Centroid Target #1:	0.287
The Distance from Centroid Target #3 to Centroid Target #1:	0.157
The Distance from Centroid Target #4 to Centroid Target #1:	0.228
The Distance from Centroid Target #5 to Centroid Target #1:	0.094

SERIAL NUMBER: G6461642. 0

TARGET NUMBER: 1

FILE DATE: 12/14/2005

FILE TIME: 22:40

X CENTROID: -0.036

Y CENTROID: 0.336

POA TO CENTROID: 0.338

HORZ SPREAD: 1.526

VERT SPREAD: 2.483

GROUP SPREAD: 2.880

MIN RADIUS: 0.344

MAX RADIUS: 1.592

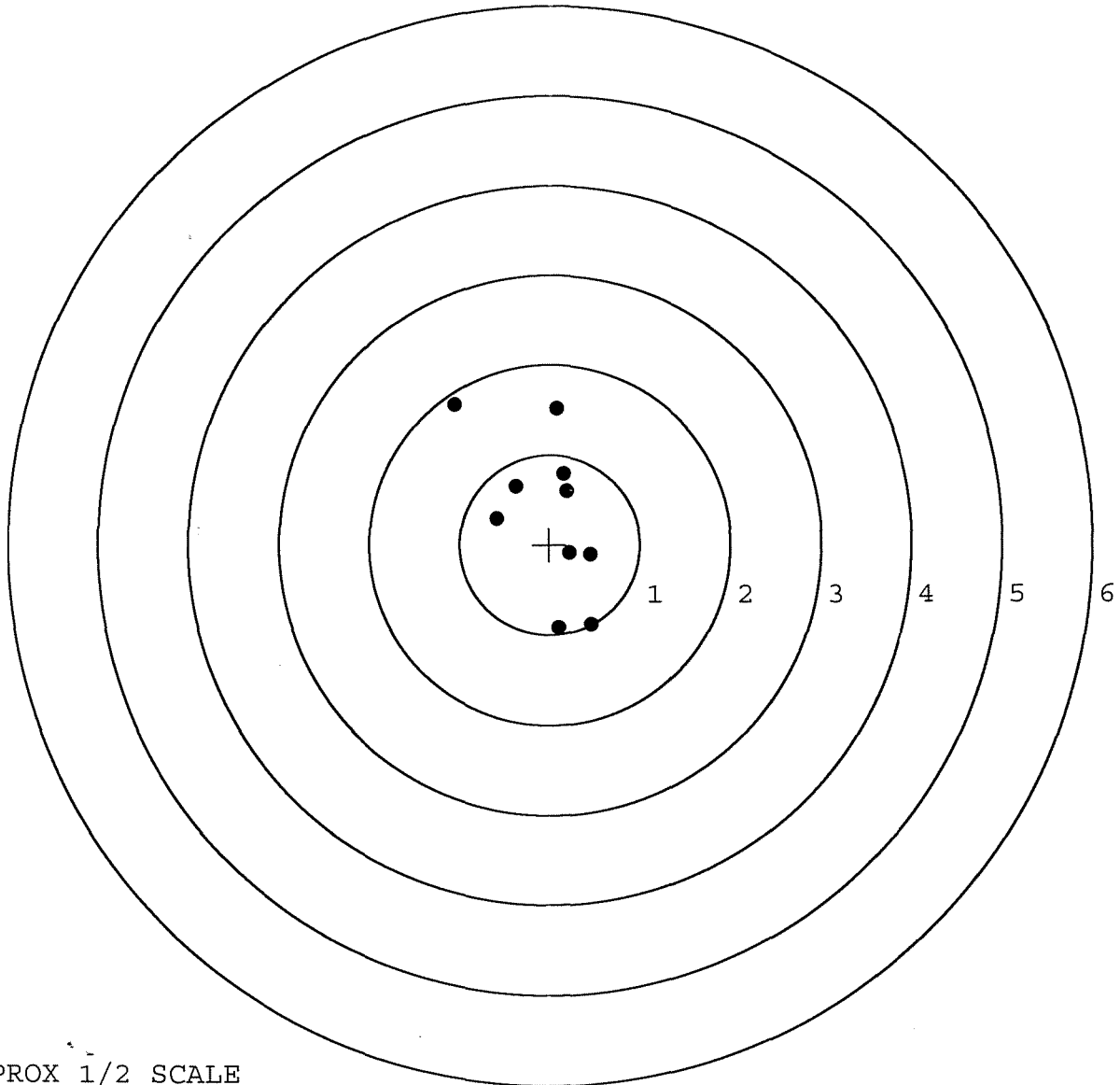
MEAN RADIUS: 0.840

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.064	1.552
2:	0.074	1.511
3:	0.102	-0.931
4:	0.462	-0.891
5:	0.223	-0.100
6:	0.460	-0.108
7:	0.188	0.597
8:	0.159	0.789
9:	-0.376	0.649
10:	-0.589	0.290



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461642. 0

TARGET NUMBER: 2

FILE DATE: 12/14/2005

FILE TIME: 22:40

X CENTROID: -0.165

Y CENTROID: 0.080

POA TO CENTROID: 0.184

HORZ SPREAD: 1.619

VERT SPREAD: 1.172

GROUP SPREAD: 1.631

MIN RADIUS: 0.199

MAX RADIUS: 0.915

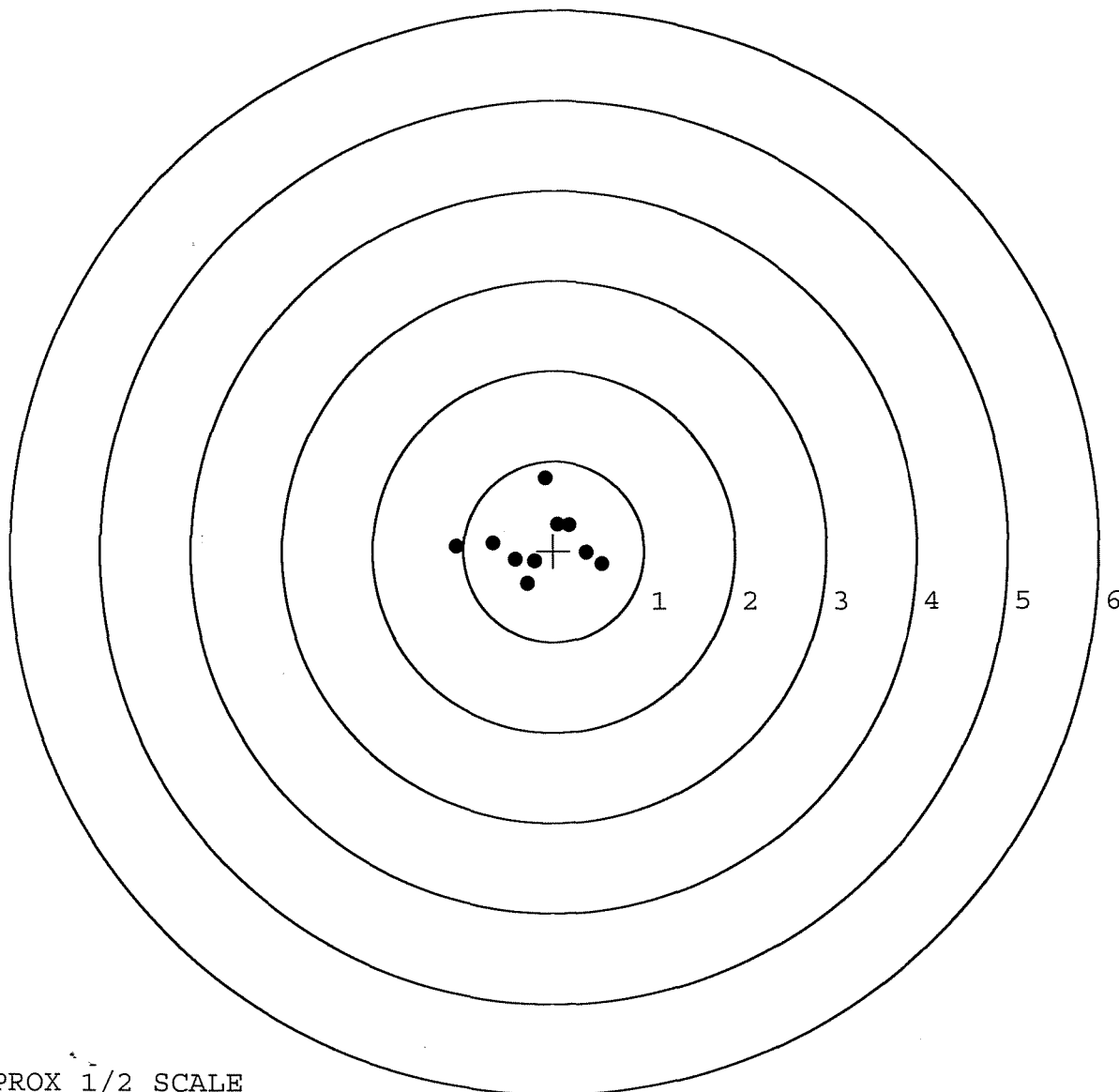
MEAN RADIUS: 0.510

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.080	0.049
2:	-0.670	0.089
3:	-0.293	-0.362
4:	-0.213	-0.114
5:	-0.096	0.810
6:	0.045	0.296
7:	0.170	0.287
8:	0.364	-0.020
9:	0.539	-0.146
10:	-0.421	-0.094



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461642. 0

TARGET NUMBER: 3

FILE DATE: 12/14/2005

FILE TIME: 22:40

X CENTROID: 0.029

Y CENTROID: 0.193

POA TO CENTROID: 0.195

HORZ SPREAD: 1.859

VERT SPREAD: 1.261

GROUP SPREAD: 1.941

MIN RADIUS: 0.124

MAX RADIUS: 1.147

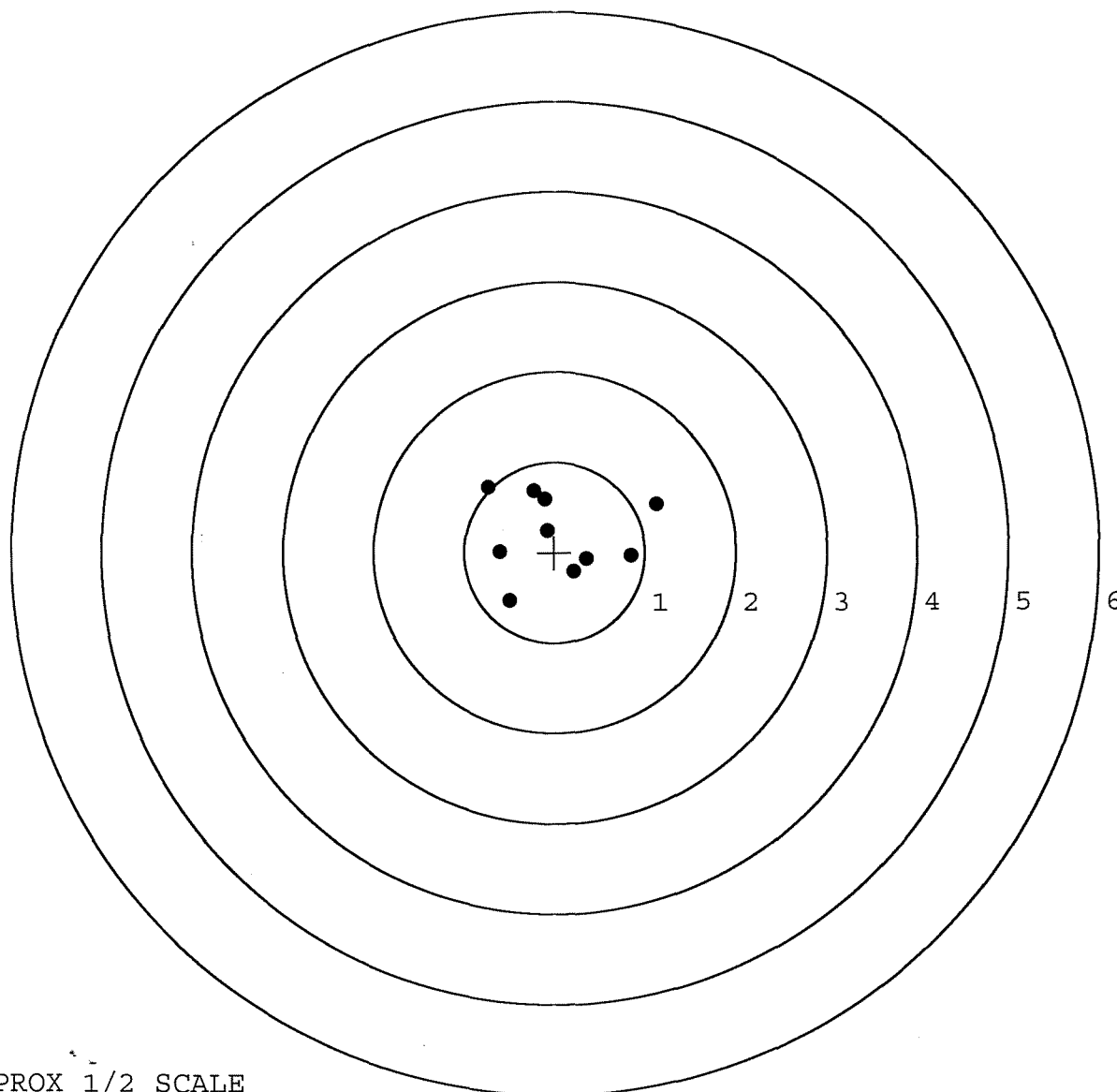
MEAN RADIUS: 0.646

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.218	-0.218
2:	0.355	-0.071
3:	0.849	-0.039
4:	1.124	0.536
5:	-0.735	0.726
6:	-0.604	0.010
7:	-0.495	-0.535
8:	-0.227	0.685
9:	-0.108	0.592
10:	-0.085	0.241



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461642. __0

TARGET NUMBER: 4

FILE DATE: 12/14/2005

FILE TIME: 22:40

X CENTROID: -0.242

Y CENTROID: 0.240

POA TO CENTROID: 0.341

HORZ SPREAD: 2.560

VERT SPREAD: 1.396

GROUP SPREAD: 2.654

MIN RADIUS: 0.202

MAX RADIUS: 1.612

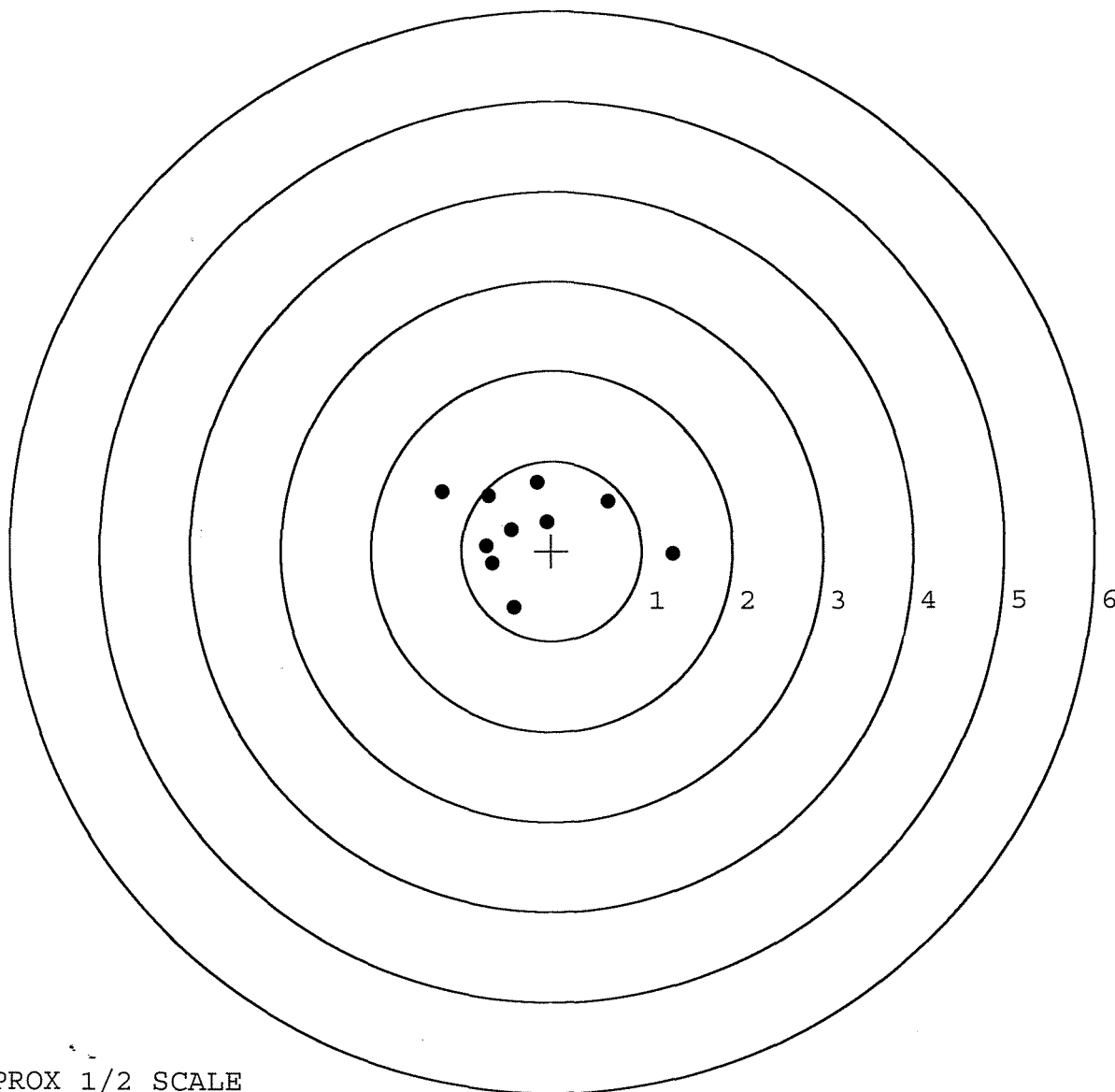
MEAN RADIUS: 0.710

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.215	0.660
2:	-0.706	0.619
3:	-0.419	-0.635
4:	-0.060	0.326
5:	-0.165	0.761
6:	0.622	0.556
7:	1.345	-0.039
8:	-0.449	0.236
9:	-0.722	0.054
10:	-0.656	-0.142

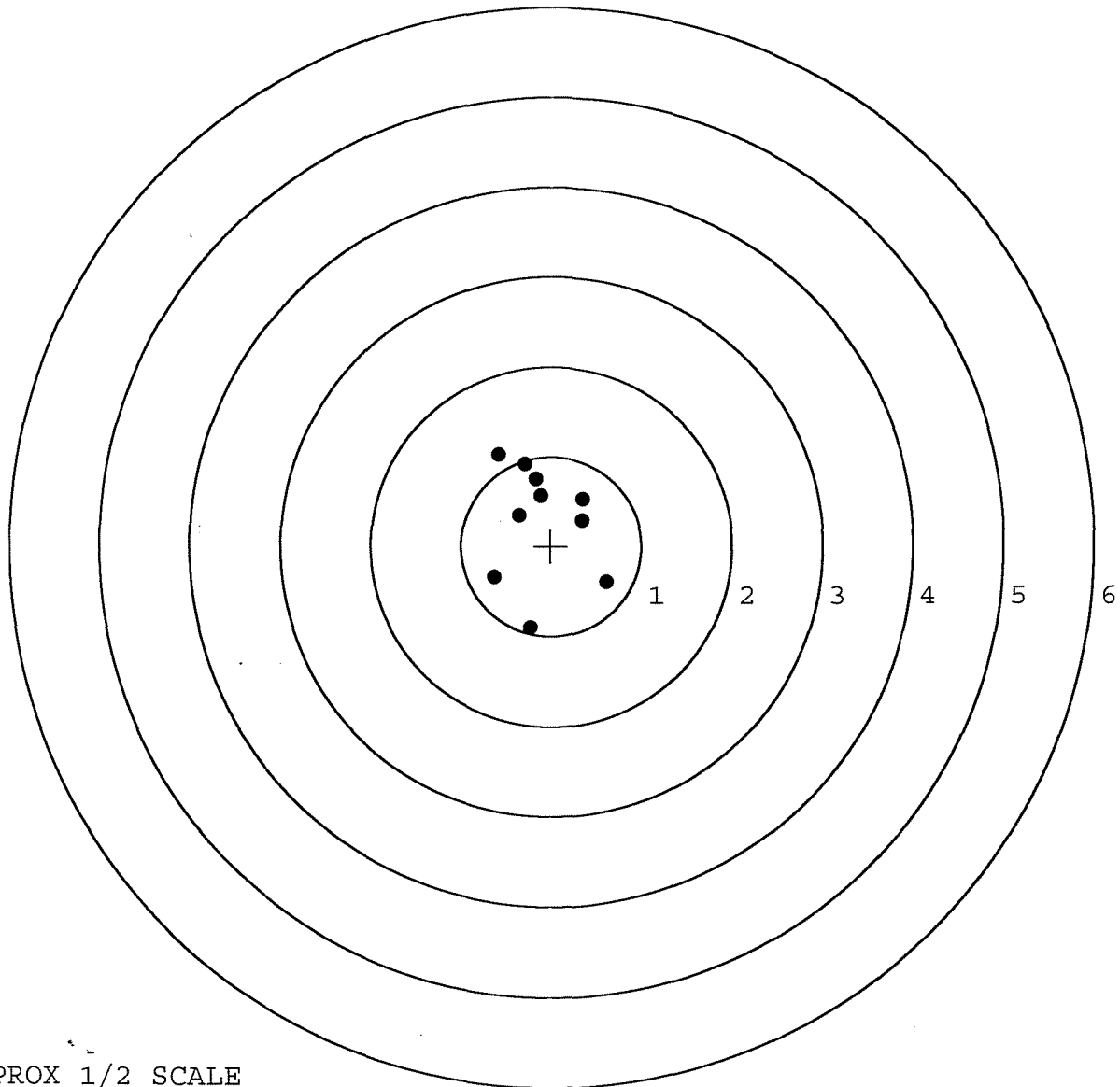


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461642. __0
 TARGET NUMBER: 5
 FILE DATE: 12/14/2005
 FILE TIME: 22:40

X CENTROID: -0.107
 Y CENTROID: 0.274
 POA TO CENTROID: 0.294
 HORZ SPREAD: 1.244
 VERT SPREAD: 1.943
 GROUP SPREAD: 1.976
 MIN RADIUS: 0.259
 MAX RADIUS: 1.199
 MEAN RADIUS: 0.657
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.627	-0.353
2:	-0.227	-0.919
3:	0.617	-0.406
4:	0.345	0.293
5:	0.348	0.532
6:	-0.357	0.342
7:	-0.118	0.560
8:	-0.171	0.747
9:	-0.293	0.918
10:	-0.586	1.024



TARGET APPROX 1/2 SCALE

SECTION III - EQUIPMENT DATA									
5. TYPE MNT REQ CODE 1		6. ID A		7. NSN 101051 R12 H D1 R13 10		15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (Enter code) See DA Pamphlets 738-750 and 738-751 D			
8. MODEL M 24		9. NOUN Sniper Rifle		10a. ORG WON/DOC NO		10b. EIC		15b. FIRST INDICATION OF TROUBLE/HOW RECOGNIZED CODE (Enter Code) See DA Pamphlets 738-750 and 738-751 0.97	
11. SERIAL NUMBER 66498136		12. QTY 1		13. PD 013		16. MILES/KILOMETERS/HOURS/ROUNDS M K H R		17. PROJECT CODE (if assigned)	
4. MALFUNCTION DESCRIPTION (for DSU, GSU/AVIM, DEPOT use) Repairs as Needed		17. PROJECT CODE (if assigned)		18. ACCOUNT PROCESSING CODE M19 W M		19. IN WARRANTY? (enter Y or N) N		20. ADMIN NO	
4. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURES IN EQUIPMENT TM (Do not rescribe repairs) Rifle fail to safe when batt is forward.		21. REIMBURSABLE CUSTOMER (if Intransit customer enter Y or N) N		22. LEVEL OF WORK F		23. SIGNATURE			

15. REMARKS POC. SGT. Gallardo 575-8183 No Scope									
26. TECHNICAL REFERENCES									

SECTION IV - TASK REQUIREMENTS DATA								
27a. FILE INPUT ACT CD	27b. TASK NO	27c. ACT CODE	27d. TASK DESCRIPTION	27e. QTY TO BE RPR	27f. WORK CENTER	27g. FAILURE CODE	27h. MH PROJ	27i. MH EXP

SECTION V - PART REQUIREMENTS											
28a. FILE INPUT ACT CD	28b. TASK NO	28c. ID NO	28d. NSN OR PART NUMBER	28e. SFX CD	28f. QTY RQD	28g. QTY ISSUED	28h. NMCS CD	28i. FAILURE CODE	28j. STORAGE LOCATION	28k. INITIALS	28l. COST \$

28m. TOTAL MANHOURS	28n. TOTAL MANHOURS COSTS \$	28o. TOTAL PARTS COSTS \$

SECTION VI - COMPLETION DATA				
29. QTY RPR	30. QTY CONDEMN	31. QTY NRTS	32. EVAC WON	33. EVAC UNIT NAME

SECTION VII - ACTION SIGNATURES											
34a. SUBMITTED BY	35a. ACCEPTED BY	35c. DATE	36a. WORK STARTED BY	37a. INSPECTED BY	38a. PICKED UP BY						
		05279									
34b. DATE	35b. STATUS	35d. TIME	36b. STATUS	36c. DATE	36d. TIME						
05279	A	1422									
37b. STATUS	37c. DATE	37d. TIME	38b. STATUS	38c. DATE	38d. TIME						

AVERAGE 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 11-14-05TESTER S.F.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.55	2.32		2.52	
PULL #2	2.51	2.44		2.53	
PULL #3	2.53	2.48		2.58	
PULL #4	2.55	2.50		2.60	
PULL #5	2.57	2.50		2.39	
TOTAL	12.71	12.24		12.62	
AVERAGE	2.54	2.45		2.52	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.21		
PULL #2	3.26	3.26		
PULL #3	3.11	3.25		
PULL #4	3.19	3.08		
PULL #5	3.29	3.04		
TOTAL	16.04	15.84		
AVERAGE	3.21	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	4.13	4.02		4.10
PULL #2	4.25	4.02		4.35
PULL #3	4.25	4.13		4.18
PULL #4	4.27	4.13		4.08
PULL #5	4.14	4.20		3.90
TOTAL	21.04	20.50		20.61
AVERAGE	4.21	4.10		4.12

		FORT Benning			
R & E NUMBER	10 4588				
SERIAL NUMBER	C6498756	G6461642			
LOG-IN DATE	12-5-05				
OPERATION #	OPERATION NAME		DATE	INITIAL	
500	DIS-ASSEMBLE GUN		12-6-05	AC	
505	RE-BARREL		12-6-05	AC	
560	ASSEMBLE		12-7-05	CO	
600	PROOF		12-7-05	CO	
605	CHECK HEADSPACE		12-7-05	CO	
610	DIS-ASSEMBLE GUN		12-7-05	CO	
612	MAGNAFLUX		12/14/05	WMS	
510	DRILL AND TAP		12-9-05	BR	
615	ROLLMARK CALIBER		12-12-05	LB	
618	ROTO-BLAST		12-13-05	RB	
620	APPLY COATINGS		12-13-05	RB	
625	FINAL ASSEMBLY		12-13-05	*	
640	FUNCTION TEST AND	PASS	FAIL	12/14/05	MAA
650	TARGET	PASS	FAIL	12-15-05	RE
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION			
670	FINAL INSPECTION		12-15-05	RTL	
	A) HEADSPACE	PASS	FAIL	12-15-05	RTL
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.00 2.08 2.57 2.63 2.57		RTL
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	5.75 5.75 5.75		RTL
	G) SAFETY OFF FORCE	2 LBS MIN	3.0 2.75 2.75		RTL
	I) FIRING PIN INDENT	.020	.021 .022 .022		RTL
690	PACK		12/16/05	MAA	

Repair Inquiry

Repair Number: **RE00060344**Serial: C6498756 Model 700 Center Fire Caliber:
7.62 NATO M-24 (SWS)

Repairman:

Verify Repair

Status:

Closed 1/23/2003 2:19:04 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received FromName: **USAIC****USAIC**Address 1: **DFEL SUPPLY DIV BLDG 490****DFEL SUPPLY DIV BLDG 490**Address 2: **PO Box****PO Box**City: **FORT BENNING****FORT BENNING**State: **GA** Zip Code: **31905**Country: **US**State: **GA** Zip Code: **31905**Country: **US**

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Poor

Condition: **REC'D IN SAME HARD CASE**
Notes: **W/ SER# C6225357 & C6225235.**CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
X	SCOPE SER# 91-0487	1
XX	FRT & REAR SGT BASES	1

Repair Search

Refresh

Close

nagletj

1/24/2003

7:21 AM

CAPS

NUM

INS

SCPL

start

5 Micros...

Scorecard...

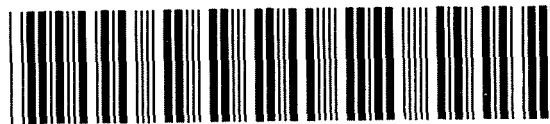
Arms Servi...

Part Search...

2 Interna...

IRE: M24...

7:21 AM

Serial
Number:**C6498756**Model: **700****RE00060344**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498756. __0

FILE DATE AND TIME: 02/15/2003 13:18

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.010
The Average Y Centroid of the Five Target Set:	-0.059
The Average Point of Impact of the Five Target Set:	0.060
The Average Mean Radius of the Five Target Set:	0.529
The Distance from POA to Centroid Target #1:	0.070
The Distance from Centroid Target #2 to Centroid Target #1:	0.160
The Distance from Centroid Target #3 to Centroid Target #1:	0.122
The Distance from Centroid Target #4 to Centroid Target #1:	0.233
The Distance from Centroid Target #5 to Centroid Target #1:	0.140

SERIAL NUMBER: C6498756. __0

TARGET NUMBER: 1

FILE DATE: 02/15/2003

FILE TIME: 13:18

X CENTROID: -0.049

Y CENTROID: 0.050

POA TO CENTROID: 0.070

HORZ SPREAD: 1.642

VERT SPREAD: 1.488

GROUP SPREAD: 1.737

MIN RADIUS: 0.256

MAX RADIUS: 1.028

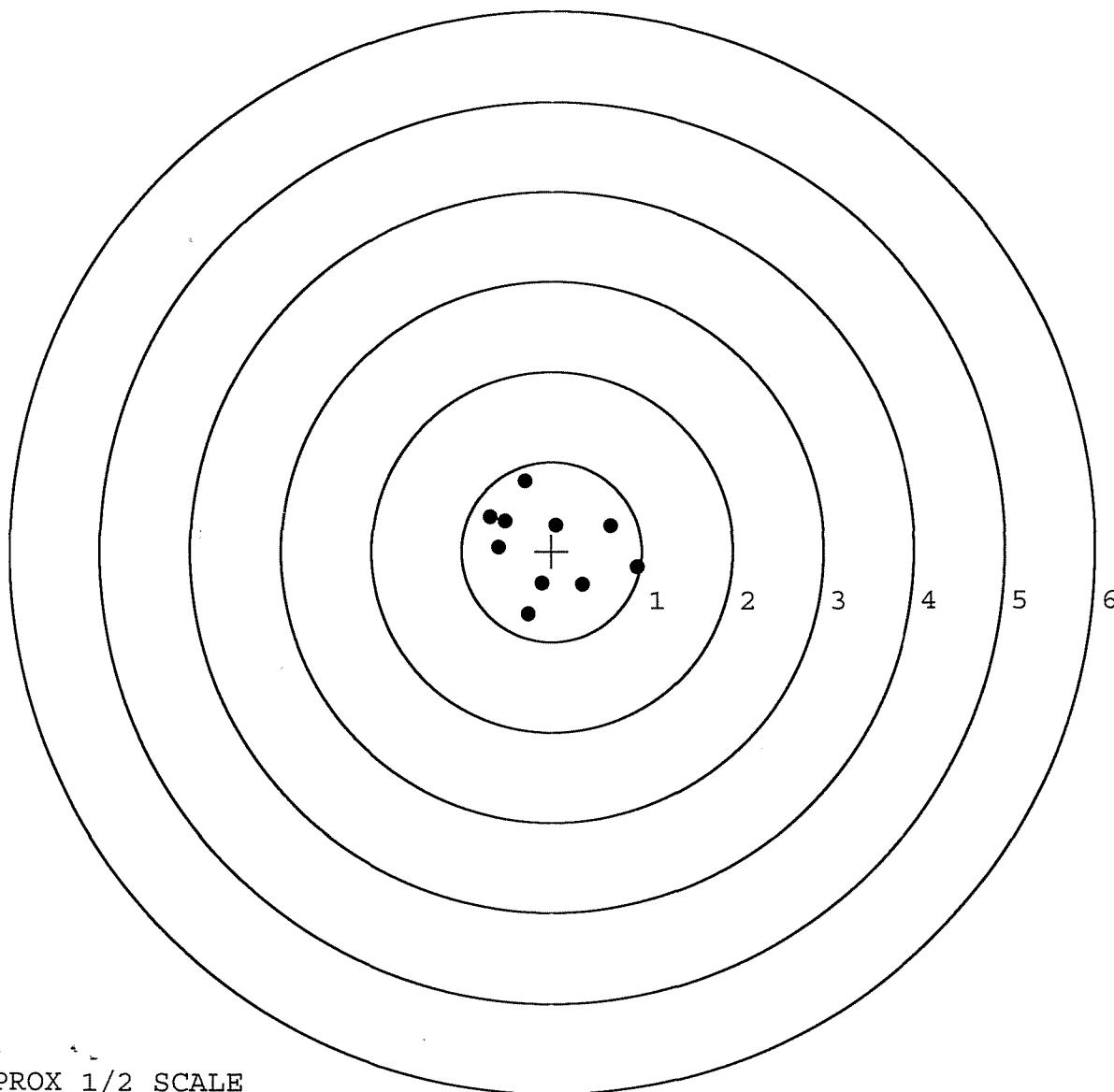
MEAN RADIUS: 0.639

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.952	-0.185
2:	0.653	0.283
3:	0.042	0.290
4:	0.340	-0.374
5:	-0.301	0.786
6:	-0.110	-0.361
7:	-0.262	-0.702
8:	-0.589	0.044
9:	-0.521	0.337
10:	-0.690	0.383

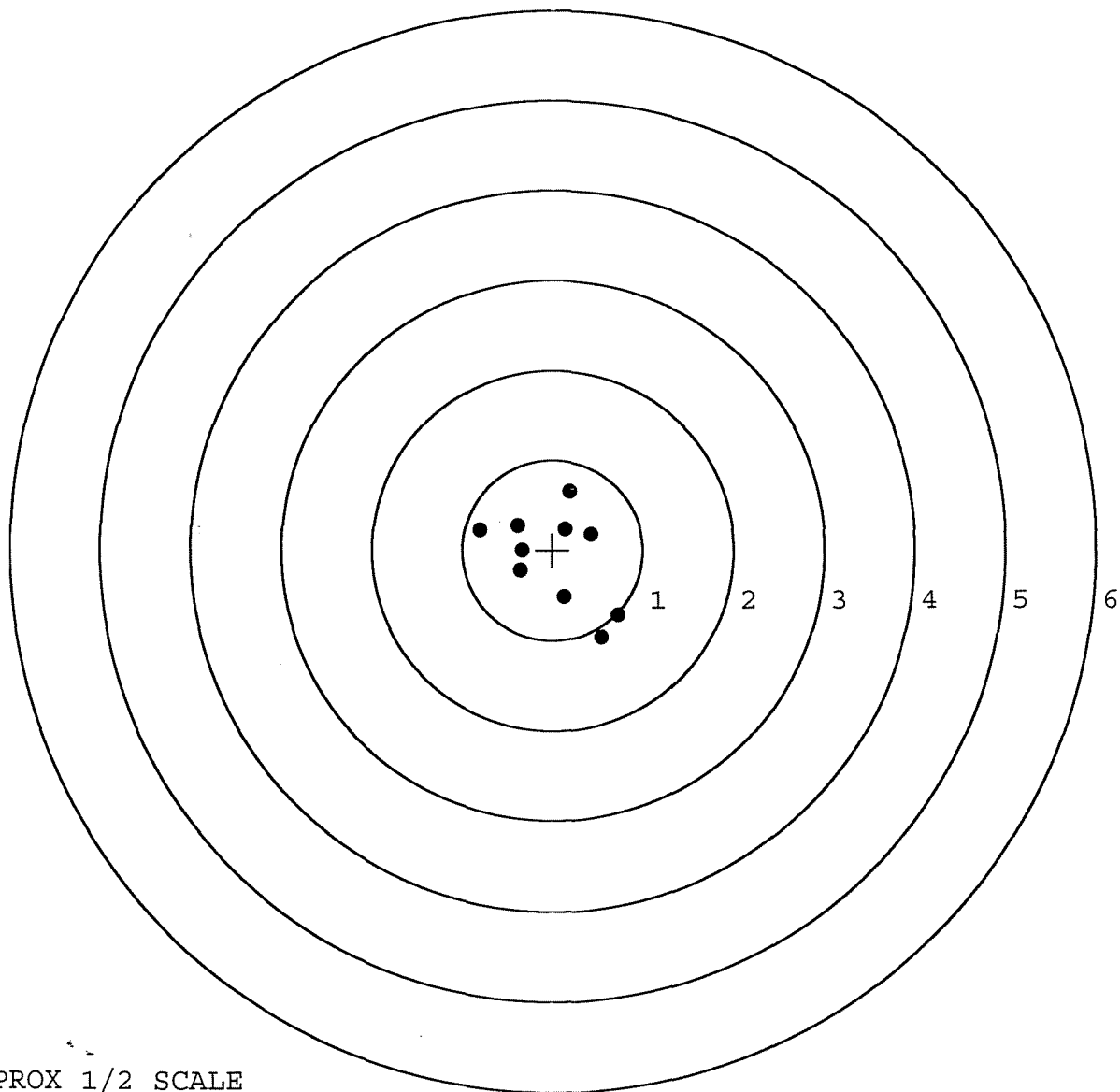


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498756. 0
 TARGET NUMBER: 2
 FILE DATE: 02/15/2003
 FILE TIME: 13:18

X CENTROID: 0.028
 Y CENTROID: -0.091
 POA TO CENTROID: 0.095
 HORZ SPREAD: 1.532
 VERT SPREAD: 1.618
 GROUP SPREAD: 1.803
 MIN RADIUS: 0.340
 MAX RADIUS: 1.021
 MEAN RADIUS: 0.622
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.549	-0.968
2:	0.727	-0.724
3:	0.131	-0.523
4:	0.429	0.175
5:	0.146	0.228
6:	0.188	0.650
7:	-0.805	0.222
8:	-0.393	0.270
9:	-0.340	-0.007
10:	-0.356	-0.230

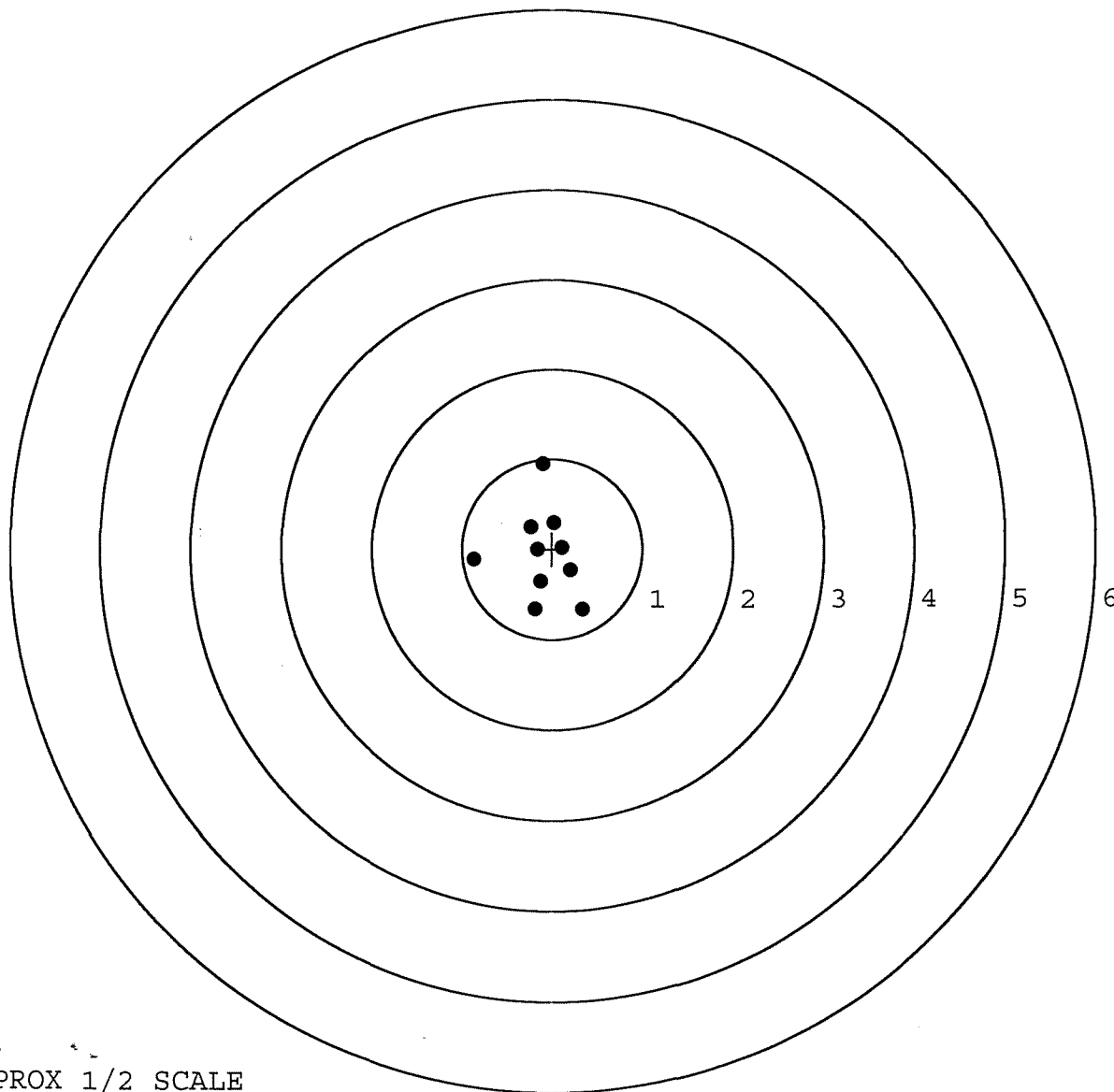


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498756. __0
 TARGET NUMBER: 3
 FILE DATE: 02/15/2003
 FILE TIME: 13:18

X CENTROID: -0.104
 Y CENTROID: -0.058
 POA TO CENTROID: 0.119
 HORZ SPREAD: 1.201
 VERT SPREAD: 1.618
 GROUP SPREAD: 1.674
 MIN RADIUS: 0.075
 MAX RADIUS: 1.003
 MEAN RADIUS: 0.480
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.103	0.945
2:	-0.867	-0.115
3:	0.334	-0.671
4:	-0.192	-0.673
5:	0.203	-0.239
6:	-0.127	-0.364
7:	0.109	0.015
8:	-0.163	-0.012
9:	-0.244	0.240
10:	0.014	0.290

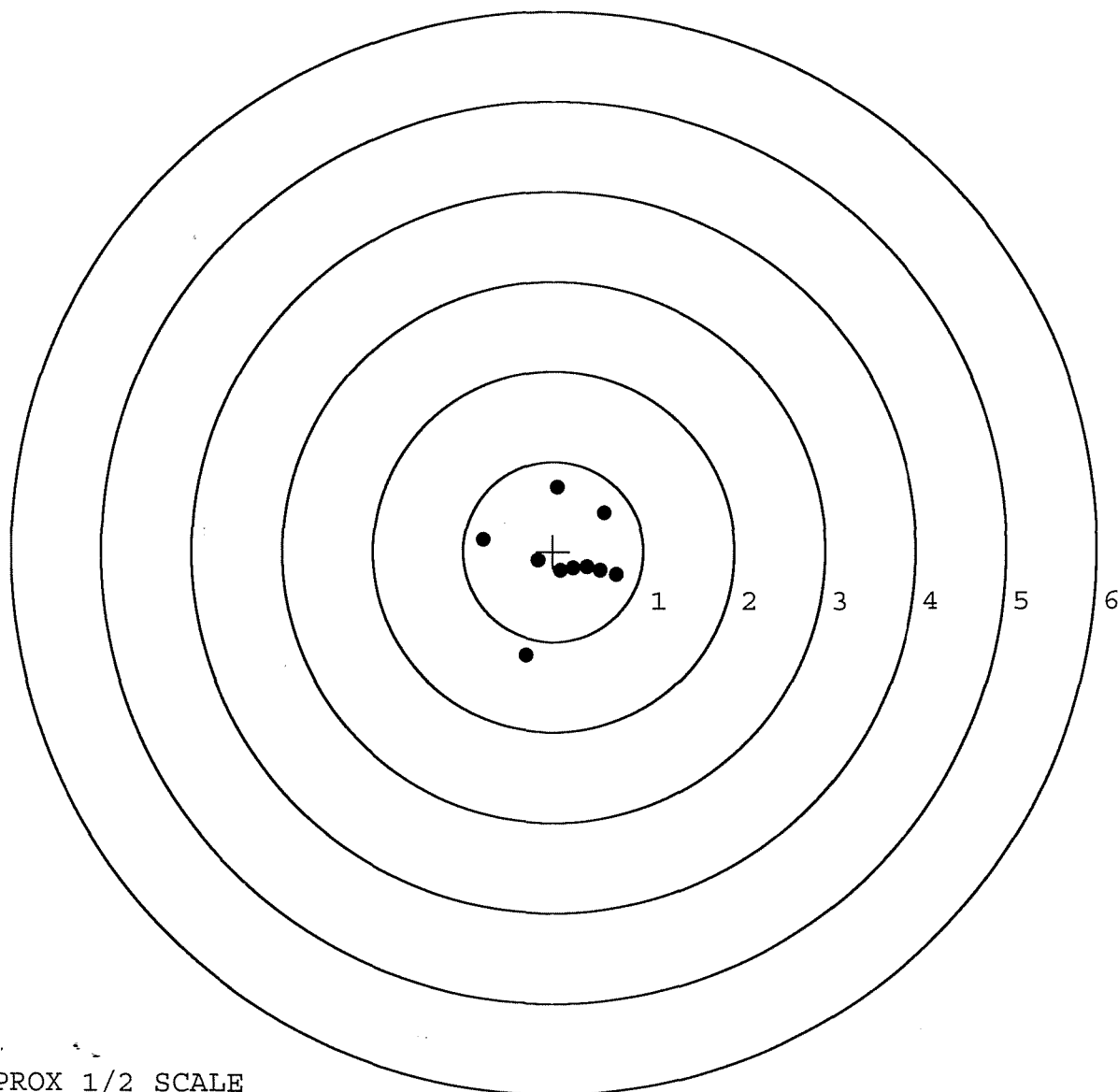


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498756. __0
 TARGET NUMBER: 4
 FILE DATE: 02/15/2003
 FILE TIME: 13:18

X CENTROID: 0.126
 Y CENTROID: -0.104
 POA TO CENTROID: 0.163
 HORZ SPREAD: 1.479
 VERT SPREAD: 1.874
 GROUP SPREAD: 1.906
 MIN RADIUS: 0.121
 MAX RADIUS: 1.134
 MEAN RADIUS: 0.540
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.701	-0.261
2:	0.523	-0.215
3:	0.377	-0.179
4:	0.220	-0.192
5:	0.562	0.429
6:	0.046	0.720
7:	-0.172	-0.101
8:	-0.778	0.133
9:	-0.301	-1.154
10:	0.083	-0.217

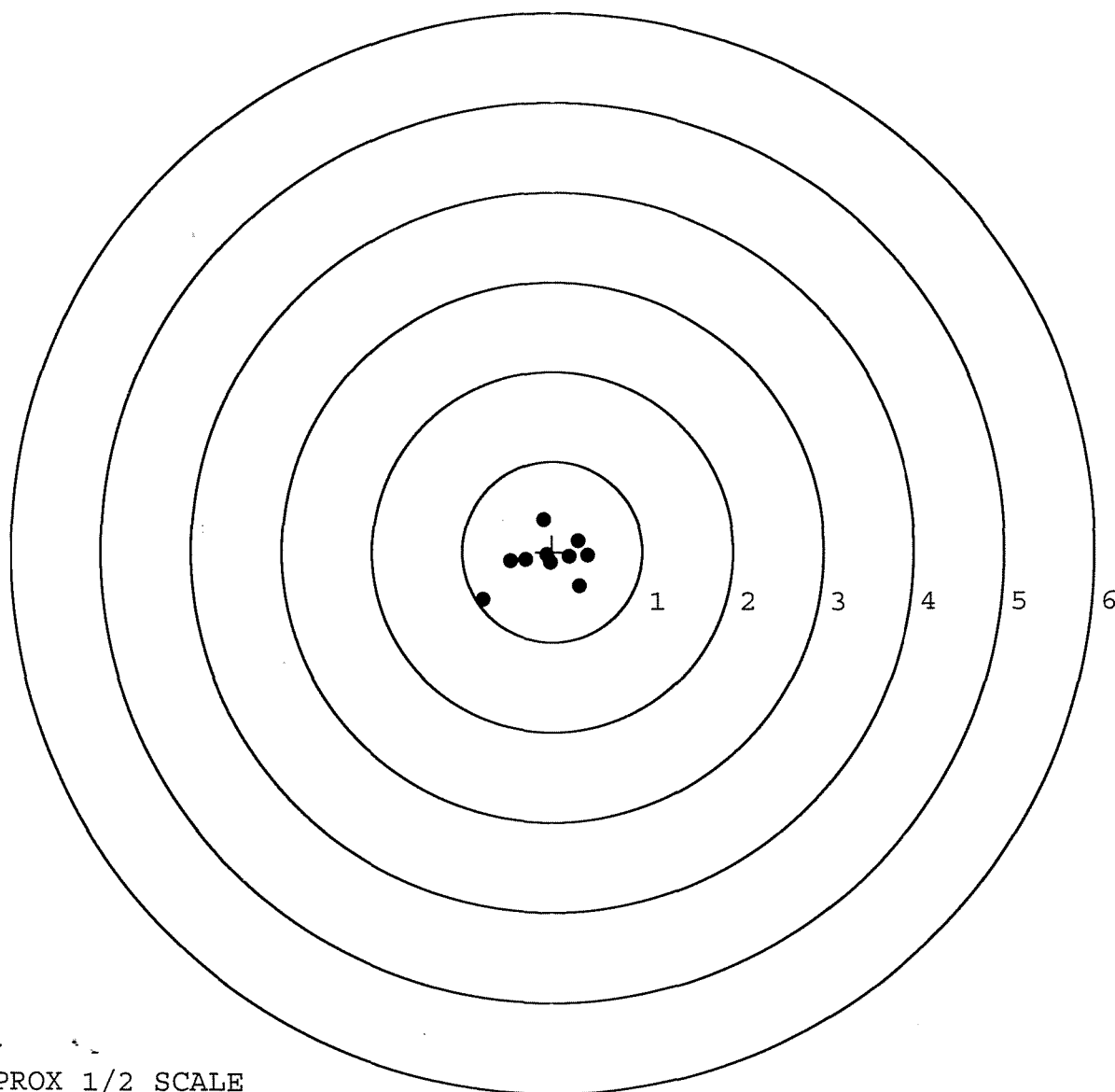


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498756. 0
 TARGET NUMBER: 5
 FILE DATE: 02/15/2003
 FILE TIME: 13:18

X CENTROID: -0.053
 Y CENTROID: -0.090
 POA TO CENTROID: 0.105
 HORZ SPREAD: 1.167
 VERT SPREAD: 0.895
 GROUP SPREAD: 1.268
 MIN RADIUS: 0.044
 MAX RADIUS: 0.845
 MEAN RADIUS: 0.362
 # IN 1 IN DIAMETER: 9
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.301	-0.385
2:	-0.770	-0.538
3:	-0.463	-0.113
4:	-0.295	-0.098
5:	-0.101	0.357
6:	0.293	0.126
7:	0.397	-0.041
8:	-0.024	-0.123
9:	0.189	-0.054
10:	-0.062	-0.034



TARGET APPROX 1/2 SCALE

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.58	2.33		2.59	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT ABLE LESS THAN
PULL #2	2.55	2.39		2.56	
PULL #3	2.52	2.26		2.55	
PULL #4	2.53	2.37		2.54	
PULL #5	2.55	2.36		2.46	
TOTAL	12.73	11.71		12.70	
AVG.	2.54	2.34		2.54	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.19		
PULL #2	3.13	3.20		
PULL #3	3.21	3.15		
PULL #4	3.24	3.19		
PULL #5	3.25	3.15		
TOTAL	16.05	15.88		
AVG.	3.21	3.17		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# & TARGET & ACCU
PULL #1	4.40	4.15		4.39
PULL #2	4.18	4.11		4.09
PULL #3	4.16	4.12		4.20
PULL #4	4.13	4.14		4.23
PULL #5	4.17	4.12		4.26
TOTAL	21.04	20.64		21.17
AVG.	4.20	4.12		4.23

SERIAL #: C16498756 INSPECTED BY: RW

DATE REC'D: 1-23-03 DATE RET'D: 2-18-03

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:

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

R & E NUMBER	60344		
SERIAL NUMBER	C6498756		
LOG-IN DATE	1-23-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-23-03	RTL
560 A	RE-BARREL	1-28-03	OA
B	DRILL AND TAP	1-28-03	TRW
575	ASSEMBLE	1-28-03	RW
600	PROOF	1-28-03	RW
605	CHECK HEADSPACE	1-28-03	RW
610	DIS-ASSEMBLE GUN	1-28-03	RW
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST	1-31-03	3-10
620	APPLY COATINGS	2-11	TA
625 A	FINAL ASSEMBLY	2-13-03	RW
B	TRIGGER PULL TEST	2.67, 2.62, 2.71, 2.71, 2.62	RW
C	SAFETY "ON" FORCE	9, 9, 9	RW
D	SAFETY "OFF" FORCE	3, 2.5, 2.5	RW
E	FIRING PIN INDENT		
640	TARGET	2-14-03	TRW
655	FINAL INSPECT	2-17-03	RW
660	PACK	2-19-03	OA
		SHIP DATE	
QAR INSPECTION DATE			

Remington[®]

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

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

MODEL 700TM M24

SERIAL NO.
C6498756

ORDER NO.
5716

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

01



5716 C6498756

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498756

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	90	RW
600	Proof	4 12	90	A
607	Check Headspace	4 12	90	A
610	Dis-assemble Gun	4 12	90	RW
612	Magnaflux Barrel Action	4-19-90		KCR
	Magnaflux Bolt	4-19-90		KCR
615	Rollmark Caliber	4-19-90		GL
617	Drill and Tap Sight Holes		4/23/90	FB
618	Polish Barrel RB		4/24/90	WB
620	Apply Coatings (Barrel Action)		4/30/90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/30/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/30/90	RW
	C) Inspect Ejector Hole for Chamfer		4/30/90	RW
	D) Oil Firing Pin Ass'y		4/30/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/10/90	GL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/10/90	94
	G) Safety Off Force	3	3	3			5/10/90	84
	H) Trigger Pull Test & Retainability						5/10/90	94
	I) Firing Pin Indent	.023	.023	.023			5/10/90	84
	J) Assemble Stock						5/11/90	RW
	K) Assemble Swivel Studs						5/16/90	WB
	L) Attach Front and Rear Sight Assemblies						5/11/90	RW
	M) Iron Sight Alignment						5/11/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/11/90	RW
	O) Attach Scope to Rifle						5/11/90	WB
	P) Detach & Attach Scope 20 Times						5/11/90	WB
640	Gallery Target & Test						5-14-90	AC
	A) Time						5-14-90	AC
	B) Malfunctions						5-14-90	AC
	C) Pierced Primers						5-14-90	AC
	D) Optical Clarity of Scope						5-14-90	AC
645	Inspect for Live Ammo						5-14-90	AC
655	Final Inspection						5/15/90	WB
	A) Headspace							
	B) Trigger Pull	2.62	2.70	2.64	2.66	2.75	5/15/90	WB
	C) Function						5/16/90	WB
660	Pack						6-20-90	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6498756DATE 5/10/90TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.25	2.51	2.62	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.22	2.31	2.37	2.70	
PULL #3	2.39	2.23	2.52	2.64	
PULL #4	2.32	2.24	2.34	2.66	
PULL #5	2.18	2.19	2.51	2.75	
TOTAL	11.63	11.22	12.25		
AVG.	2.326	2.244	2.45		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.29		
PULL #2	3.49	3.40		
PULL #3	3.35	3.25		
PULL #4	3.39	3.35		
PULL #5	3.24	3.33		
TOTAL	16.72	16.62		
AVG.	3.344	3.324		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.37		4.47
PULL #2	4.40	4.37		4.38
PULL #3	4.39	4.24		4.37
PULL #4	4.32	4.35		4.40
PULL #5	4.39	4.37		4.42
TOTAL	21.89	21.70		22.04
AVG.	4.378	4.34		4.408

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498756
15 May 1990

CENTROIDAL DISTANCES

0 TO	1	.631197
1 TO	2	.648902
1 TO	3	.699811
1 TO	4	.619998
1 TO	5	.873444

2 1
5A <----POA

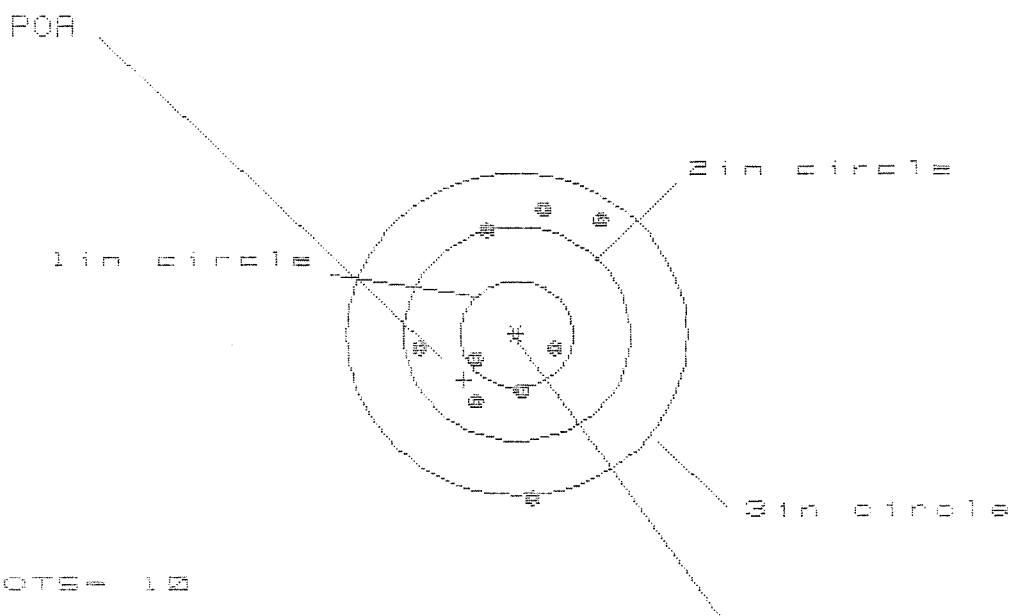
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0072
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1124
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .11263
THE RMR FOR THIS RIFLE IS: .847

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B756

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 6

3 in = 9

HE= 1.645

VE= 2.711

GE= 2.713

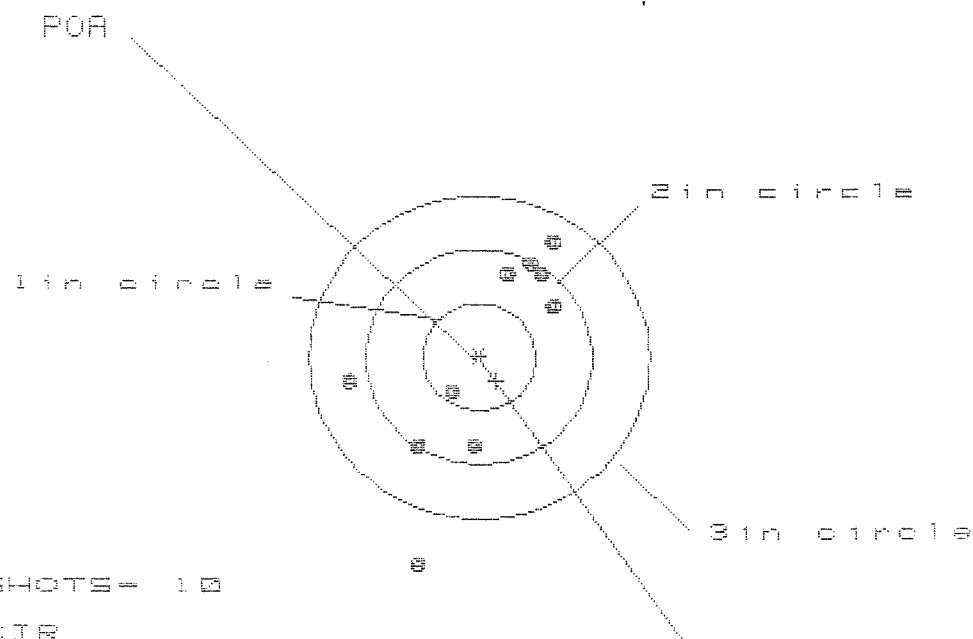
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.739	.755	.491
MINIMUM X	-.906	-.890	-.796
MAXIMUM Y	1.183	1.013	1.120
MINIMUM Y	-1.528	-.797	-.690
CENTROID X	.463	.447	.353
CENTROID Y	.429	.599	.492
POA TO CENTROID in.	.632	.748	.605
MIN RADIUS	.390	.472	.413
MEAN RADIUS	.843	.783	.713
MAX RADIUS	1.535	1.144	1.175
HORIZONTAL SPREAD	1.645	1.645	1.287
VERTICAL SPREAD	2.711	1.810	1.810
EXTREME SPREAD	2.713	2.022	1.914
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498758

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 1.785

VS= 2.989

GS= 3.203

CENTROID #

PATTERN #

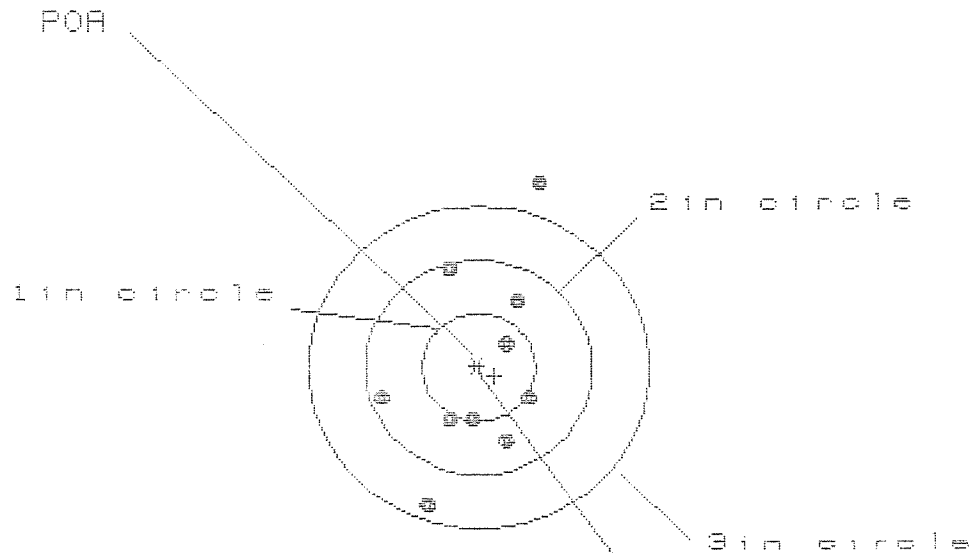
2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.634	.577	.643
MINIMUM X	-1.151	-1.208	-1.136
MAXIMUM Y	1.081	.869	.799
MINIMUM Y	-1.908	-1.028	-.919
CENTROID X	-.152	-.095	-.167
CENTROID Y	.222	.434	.325
POA TO CENTROID in.	.269	.444	.366
MIN RADIUS	.423	.580	.502
MEAN RADIUS	1.020	.885	.868
MAX RADIUS	1.976	1.271	1.172
HORIZONTAL SPREAD	1.785	1.785	1.779
VERTICAL SPREAD	2.989	1.897	1.718
EXTREME SPREAD	3.203	2.217	1.991
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 9		

14 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6498756

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 8

3 in = 9

HSE = 1.356

VSE = 2.994

GSE = 3.146

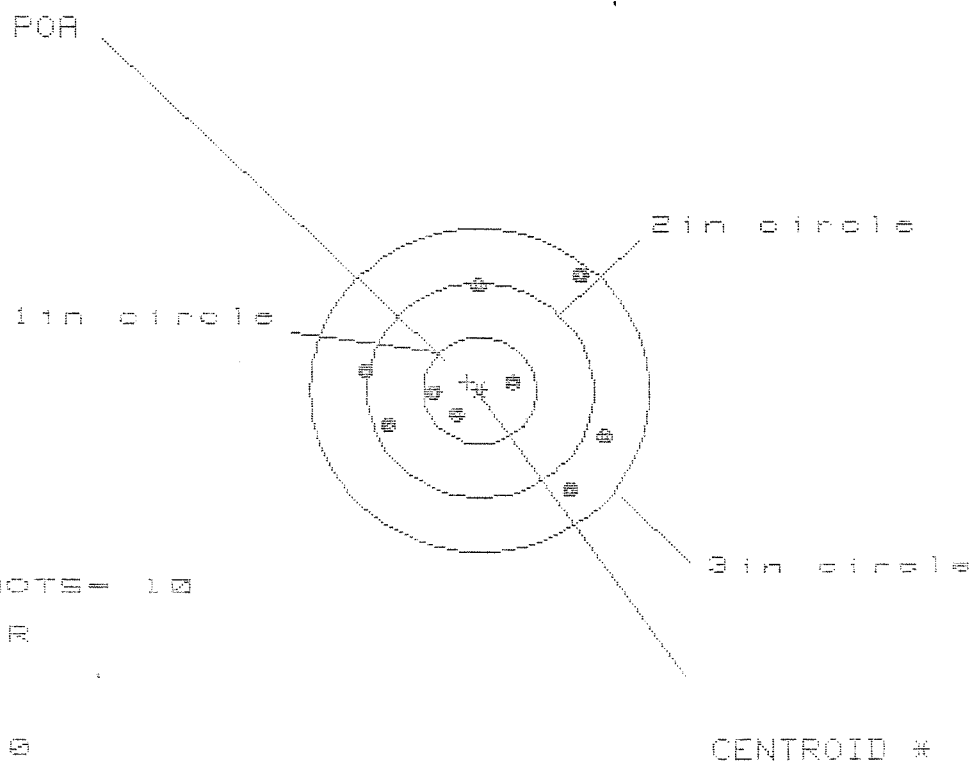
CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.533
MINIMUM X	-.823
MAXIMUM Y	1.728
MINIMUM Y	-1.266
CENTROID X	-.143
CENTROID Y	.079
POA TO CENTROID in.	.163
MIN RADIUS	.330
MEAN RADIUS	.829
MAX RADIUS	1.808
HORIZONTAL SPREAD	1.356
VERTICAL SPREAD	2.994
EXTREME SPREAD	3.146
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	9

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498756

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 10

HS = 2.136

VS = 2.036

GS = 2.216

PATTERN #

4

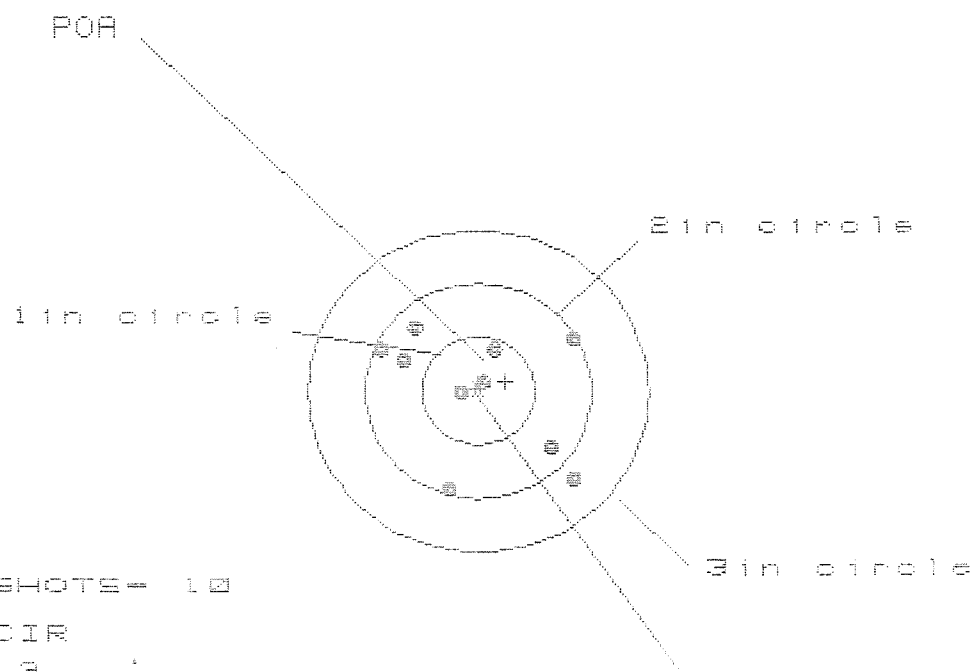
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.136	1.230	1.342
MINIMUM X	-1.000	-.906	-.794
MAXIMUM Y	1.094	1.075	.972
MINIMUM Y	-.942	-.820	-.351
CENTROID X	.109	.015	-.097
CENTROID Y	-.080	-.202	-.099
POA TO CENTROID in.	.136	.202	.139
MIN RADIUS	.297	.144	.201
MEAN RADIUS	.851	.761	.685
MAX RADIUS	1.384	1.255	1.387
HORIZONTAL SPREAD	2.136	2.136	2.136
VERTICAL SPREAD	2.036	1.895	1.323
EXTREME SPREAD	2.216	2.216	2.216
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C849B756

CENTERFIRE PATTERNS

5



OF SHOTS = 10

IN CIR

1in = 3

2in = 9

3in = 10

HS = 1.642

VS = 1.476

GS = 1.990

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.826	.902	.821
MINIMUM X	-.816	-.724	-.611
MAXIMUM Y	.598	.512	.563
MINIMUM Y	-.878	-.964	-.913
CENTROID X	-.241	-.333	-.445
CENTROID Y	-.088	-.002	-.053
POA TO CENTROID in.	.257	.333	.449
MIN RADIUS	.079	.120	.056
MEAN RADIUS	.692	.625	.575
MAX RADIUS	1.133	.989	1.008
HORIZONTAL SPREAD	1.642	1.626	1.432
VERTICAL SPREAD	1.476	1.476	1.476
EXTREME SPREAD	1.990	1.724	1.691
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	