

610

C6498852

N

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

610

C6498852

N

FORM 100-10-1

	RECORDS CONTROL SCHEDULE
RECORDS CATEGORY OR TITLE: [REDACTED]	
[REDACTED]	
COPY "O" (OFFICIAL) ☐ "X" (EXTRA) ☒	
TOTAL RETENTION: [REDACTED]	
GS-11050 Rev. 8/78	

Repair Inquiry

Repair Number: RE00124466

Serial: C6498852 Model M24 SWS Center Fire

Repairman:

Verify Repair

Status:

New 1/30/2007 9:39:55 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: USPFO FOR COLORADO

USPFO FOR COLORADO

Address 1: 1181 KILMER STREET

1181 KILMER STREET

Address 2: PO Box:

PO Box:

City: GOLDEN

GOLDEN

State: CO Zip Code: 80401

Country: US

State: CO Zip Code: 80401

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

1/30/2007

11:03 AM

C4PS

NUM

INS

SCRL

Serial Number:

C6498852

Model: M24 SWS



RE00124466

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498852.___0

FILE DATE AND TIME: 03/02/2007 14:51

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.090
The Average Y Centroid of the Five Target Set:	-0.043
The Average Point of Impact of the Five Target Set:	0.099
The Average Mean Radius of the Five Target Set:	0.591
The Distance from POA to Centroid Target #1:	0.122
The Distance from Centroid Target #2 to Centroid Target #1:	0.149
The Distance from Centroid Target #3 to Centroid Target #1:	0.022
The Distance from Centroid Target #4 to Centroid Target #1:	0.115
The Distance from Centroid Target #5 to Centroid Target #1:	0.051

SERIAL NUMBER: C6498852. 0

TARGET NUMBER: 1

FILE DATE: 03/02/2007

FILE TIME: 14:51

X CENTROID: -0.089

Y CENTROID: -0.084

POA TO CENTROID: 0.122

HORZ SPREAD: 1.631

VERT SPREAD: 2.530

GROUP SPREAD: 2.668

MIN RADIUS: 0.239

MAX RADIUS: 1.376

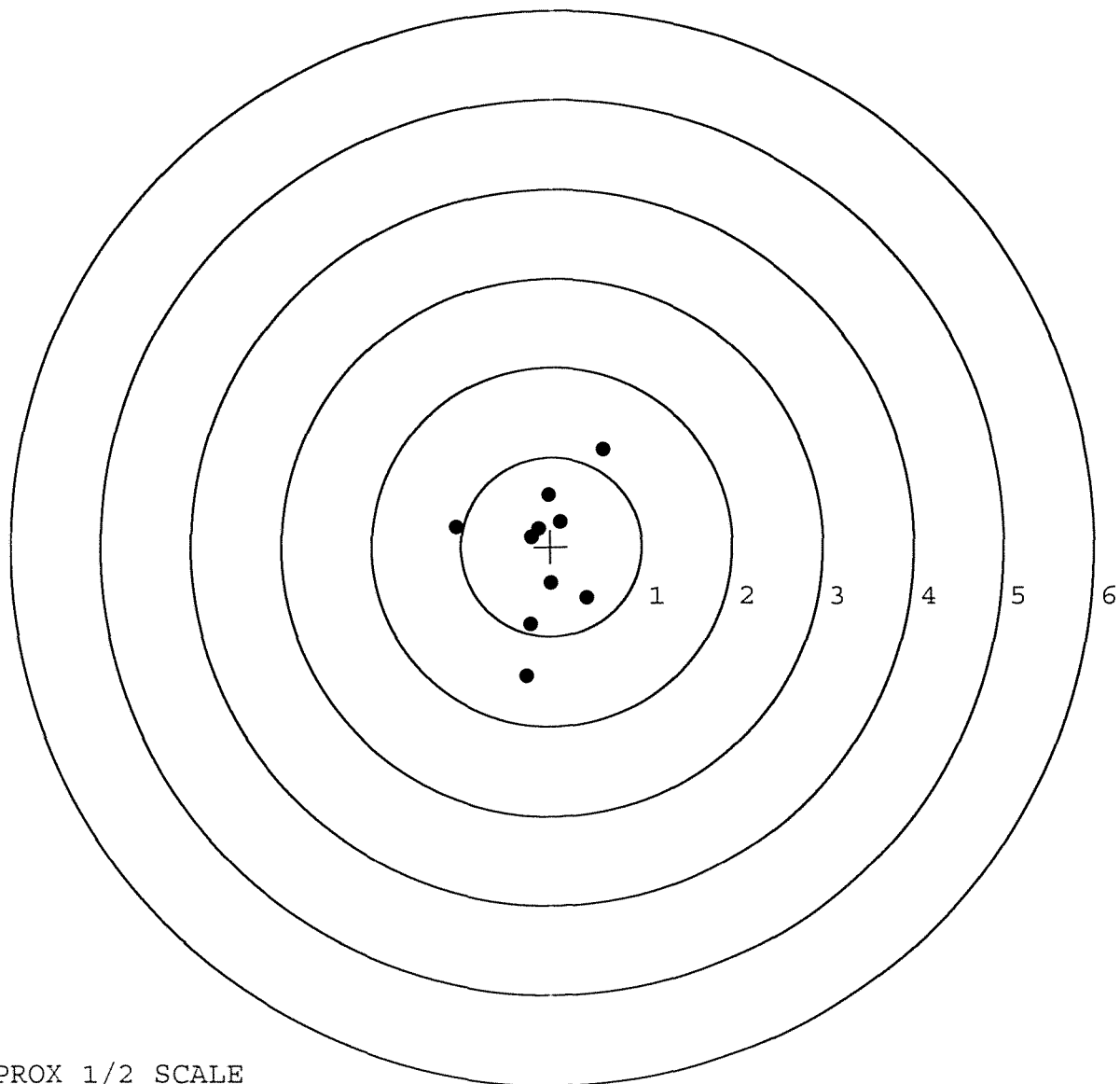
MEAN RADIUS: 0.716

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.273	-1.448
2:	-0.231	-0.872
3:	0.397	-0.575
4:	-0.001	-0.408
5:	-1.057	0.216
6:	-0.225	0.112
7:	-0.141	0.200
8:	0.102	0.274
9:	-0.031	0.578
10:	0.574	1.082

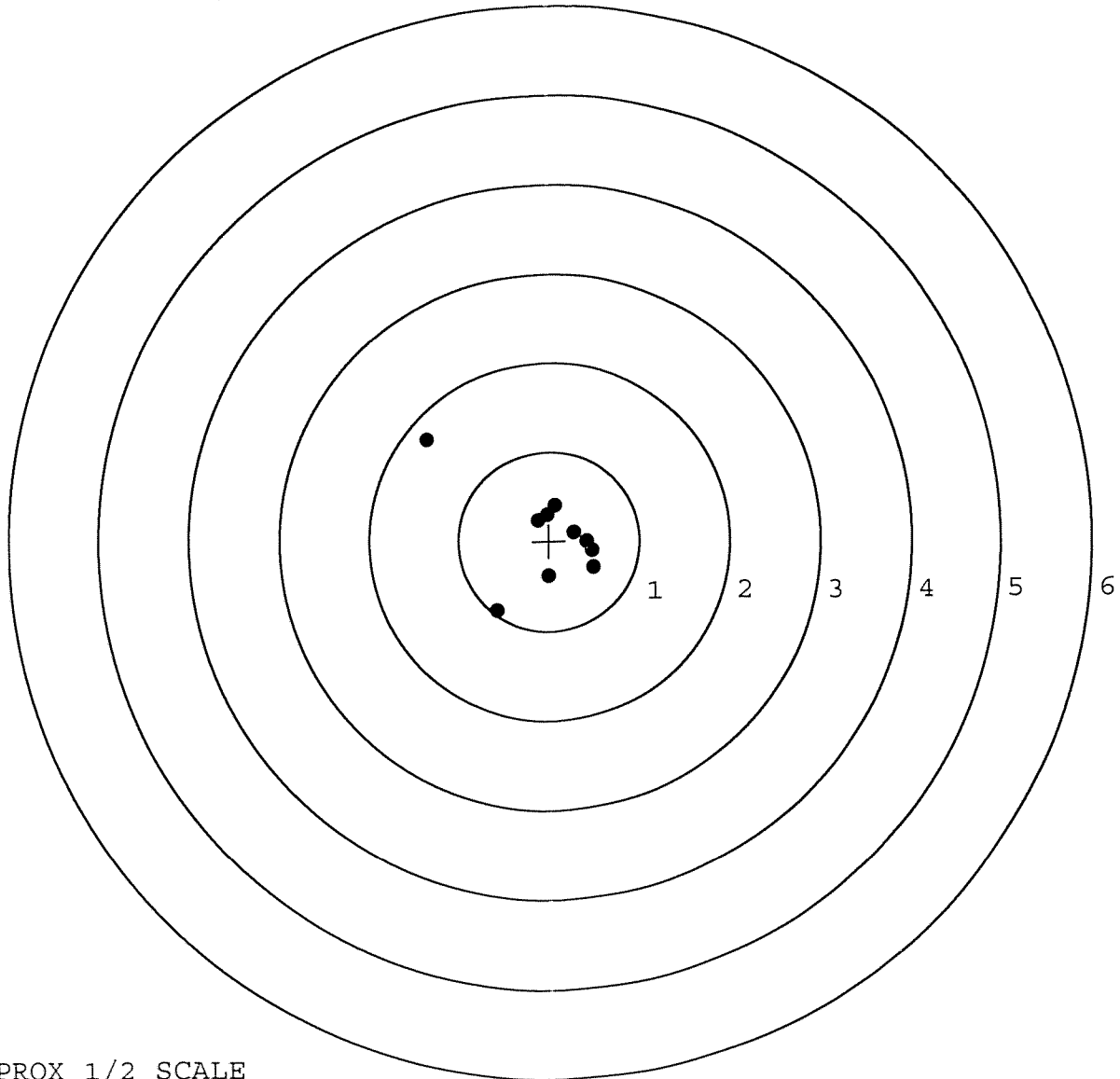


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498852. __0
 TARGET NUMBER: 2
 FILE DATE: 03/02/2007
 FILE TIME: 14:51

POINT#	X	Y
1:	-0.574	-0.773
2:	-0.012	-0.391
3:	-1.353	1.142
4:	0.068	0.400
5:	-0.026	0.288
6:	-0.126	0.227
7:	0.279	0.089
8:	0.416	-0.017
9:	0.475	-0.115
10:	0.492	-0.300

X CENTROID: -0.036
 Y CENTROID: 0.055
 POA TO CENTROID: 0.066
 HORZ SPREAD: 1.845
 VERT SPREAD: 1.915
 GROUP SPREAD: 2.342
 MIN RADIUS: 0.194
 MAX RADIUS: 1.708
 MEAN RADIUS: 0.588
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 9

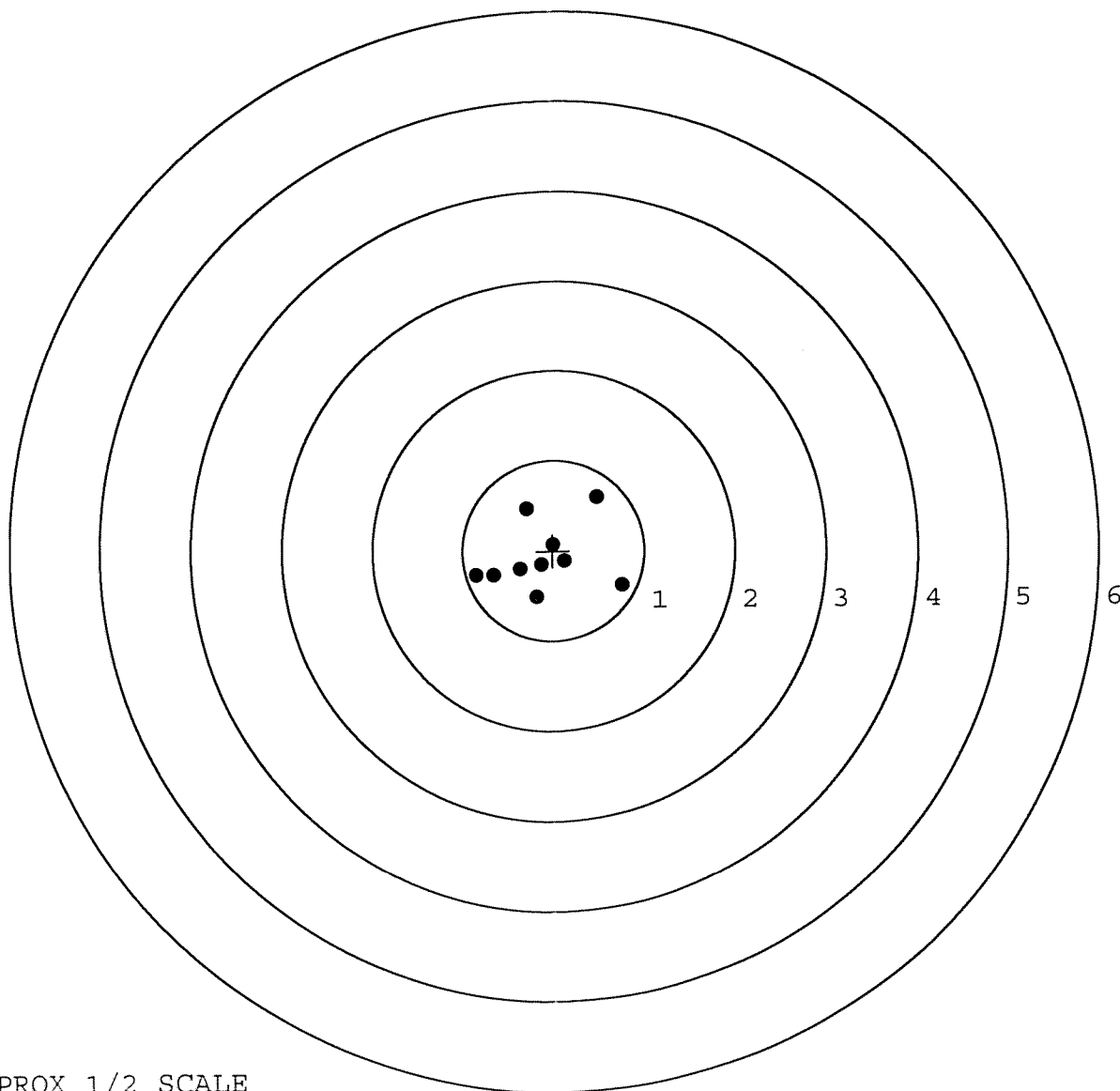


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498852. __0
 TARGET NUMBER: 3
 FILE DATE: 03/02/2007
 FILE TIME: 14:51

X CENTROID: -0.110
 Y CENTROID: -0.079
 POA TO CENTROID: 0.136
 HORZ SPREAD: 1.605
 VERT SPREAD: 1.107
 GROUP SPREAD: 1.609
 MIN RADIUS: 0.081
 MAX RADIUS: 0.920
 MEAN RADIUS: 0.498
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.756	-0.389
2:	0.485	0.592
3:	-0.293	0.470
4:	-0.849	-0.270
5:	-0.658	-0.270
6:	-0.180	-0.515
7:	-0.366	-0.206
8:	0.002	0.071
9:	0.129	-0.119
10:	-0.127	-0.159

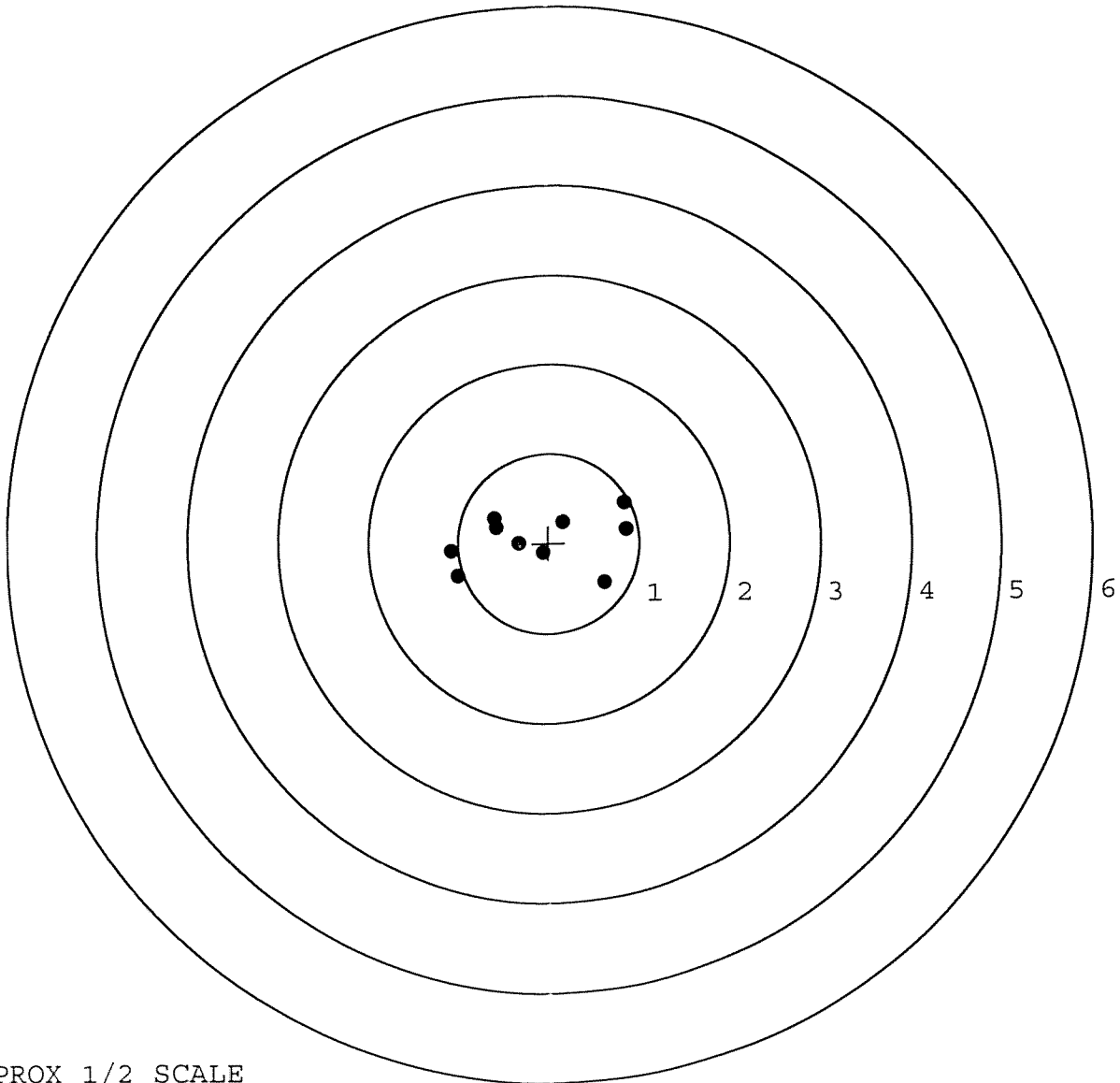


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498852. __0
 TARGET NUMBER: 4
 FILE DATE: 03/02/2007
 FILE TIME: 14:51

POINT#	X	Y
1:	0.836	0.441
2:	0.856	0.153
3:	0.617	-0.446
4:	0.164	0.230
5:	-0.062	-0.110
6:	-0.327	0.006
7:	-0.594	0.279
8:	-1.076	-0.091
9:	-1.005	-0.364
10:	-0.577	0.177

X CENTROID: -0.117
 Y CENTROID: 0.028
 POA TO CENTROID: 0.120
 HORZ SPREAD: 1.932
 VERT SPREAD: 0.887
 GROUP SPREAD: 2.009
 MIN RADIUS: 0.148
 MAX RADIUS: 1.039
 MEAN RADIUS: 0.656
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

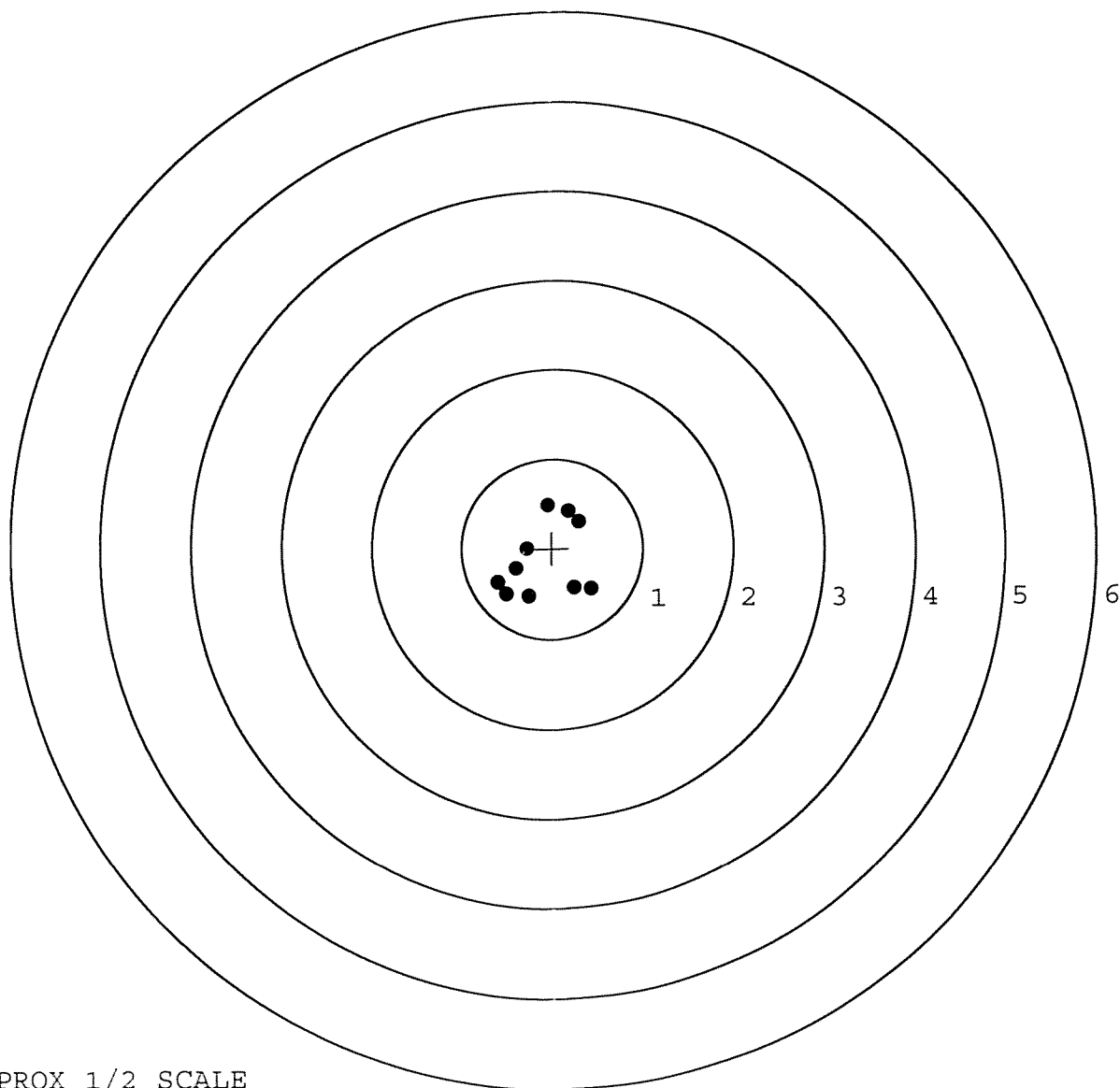


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498852. __0
 TARGET NUMBER: 5
 FILE DATE: 03/02/2007
 FILE TIME: 14:51

POINT#	X	Y
1:	0.295	0.299
2:	0.183	0.414
3:	-0.051	0.486
4:	0.432	-0.459
5:	0.244	-0.442
6:	-0.283	-0.003
7:	-0.406	-0.223
8:	-0.602	-0.375
9:	-0.510	-0.506
10:	-0.261	-0.532

X CENTROID: -0.096
 Y CENTROID: -0.134
 POA TO CENTROID: 0.165
 HORZ SPREAD: 1.034
 VERT SPREAD: 1.018
 GROUP SPREAD: 1.093
 MIN RADIUS: 0.228
 MAX RADIUS: 0.622
 MEAN RADIUS: 0.500
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	124466			
SERIAL NUMBER	C6498852			
LOG-IN DATE	1-30-07			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		2-5-07	RTL
505	RE-BARREL		2-7-07	RTL
560	ASSEMBLE		2-7-07	RTL
600	PROOF		2-7-07	Fm
605	CHECK HEADSPACE	INSPECTED	2-7-07	Fm
610	DIS-ASSEMBLE GUN	FEB 13 2007	2-7-07	RTL
612	MAGNAFLUX	OPERATOR <u>CPD</u>	2-13-07	APC
510	DRILL AND TAP		2-12-07	TRW
615	ROLLMARK CALIBER		2-13-07	CW
618	ROTO-BLAST		2-13-07	LB
620	APPLY COATINGS		2-19-07	WJ
625	FINAL ASSEMBLY		3-1-07	RTL
640	FUNCTION TEST AND	(PASS) FAIL	3-2-07	TRW
650	TARGET	(PASS) FAIL	3-2-07	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	3-2-07	Fm
670	FINAL INSPECTION		3/6/07	non
	A) HEADSPACE	(PASS) FAIL	3/6/07	non
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.75 2.44 2.42 2.54 2.48 3/6/07	non
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.0 4.0 4.0 3/6/07	non
	G) SAFETY OFF FORCE	2 LBS MIN	3.0 3.0 3.0 3/6/07	non
	I) FIRING PIN INDENT	.020	.023 .024 .023 3/6/07	non
690	PACK		3-9-07	RTA

Repair Inquiry

Repair Number: **RE00124469** Serial: C6349092 Model M24 SWS Center Fire Repairman: _____
 Verify Repair Status: New 1/30/2007 9:47:32 AM

Address Information

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

Name: **USPFO FOR COLORADO** **USPFO FOR COLORADO**

Address 1: **1181 KILMER STREET** **1181 KILMER STREET**

Address 2: _____ PO Box: _____ _____ PO Box: _____

City: **GOLDEN** **GOLDEN**

State: **CO** Zip Code: **80401** Country: **US** State: **CO** Zip Code: **80401** 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 <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Stud</td> <td>3</td> </tr> <tr> <td>A010</td> <td>Hard Case</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A026</td> <td>Scope</td> <td>1</td> </tr> <tr> <td>A045</td> <td>Bi Pod</td> <td>1</td> </tr> <tr> <td>A057</td> <td>Fit and Rear Sgt Base</td> <td>2</td> </tr> </tbody> </table>			Code	Desc	Qty	A007	With Stud	3	A010	Hard Case	1	A017	Scope Base	1	A026	Scope	1	A045	Bi Pod	1	A057	Fit and Rear Sgt Base	2
Code	Desc	Qty																							
A007	With Stud	3																							
A010	Hard Case	1																							
A017	Scope Base	1																							
A026	Scope	1																							
A045	Bi Pod	1																							
A057	Fit and Rear Sgt Base	2																							

Repair Search Refresh Close

nagletj 1/30/2007 11:03 AM C4P8 NUM INS SCRL

Serial Number: **C6349092**
 Model: **M24 SWS**

RE00124469

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349092.___0

FILE DATE AND TIME: 03/02/2007 14:55

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.024
The Average Y Centroid of the Five Target Set:	-0.067
The Average Point of Impact of the Five Target Set:	0.071
The Average Mean Radius of the Five Target Set:	0.657
The Distance from POA to Centroid Target #1:	0.179
The Distance from Centroid Target #2 to Centroid Target #1:	0.310
The Distance from Centroid Target #3 to Centroid Target #1:	0.166
The Distance from Centroid Target #4 to Centroid Target #1:	0.224
The Distance from Centroid Target #5 to Centroid Target #1:	0.527

SERIAL NUMBER: C6349092. __0

TARGET NUMBER: 1

FILE DATE: 03/02/2007

FILE TIME: 14:55

X CENTROID: -0.078

Y CENTROID: 0.161

POA TO CENTROID: 0.179

HORZ SPREAD: 1.175

VERT SPREAD: 3.204

GROUP SPREAD: 3.206

MIN RADIUS: 0.086

MAX RADIUS: 1.823

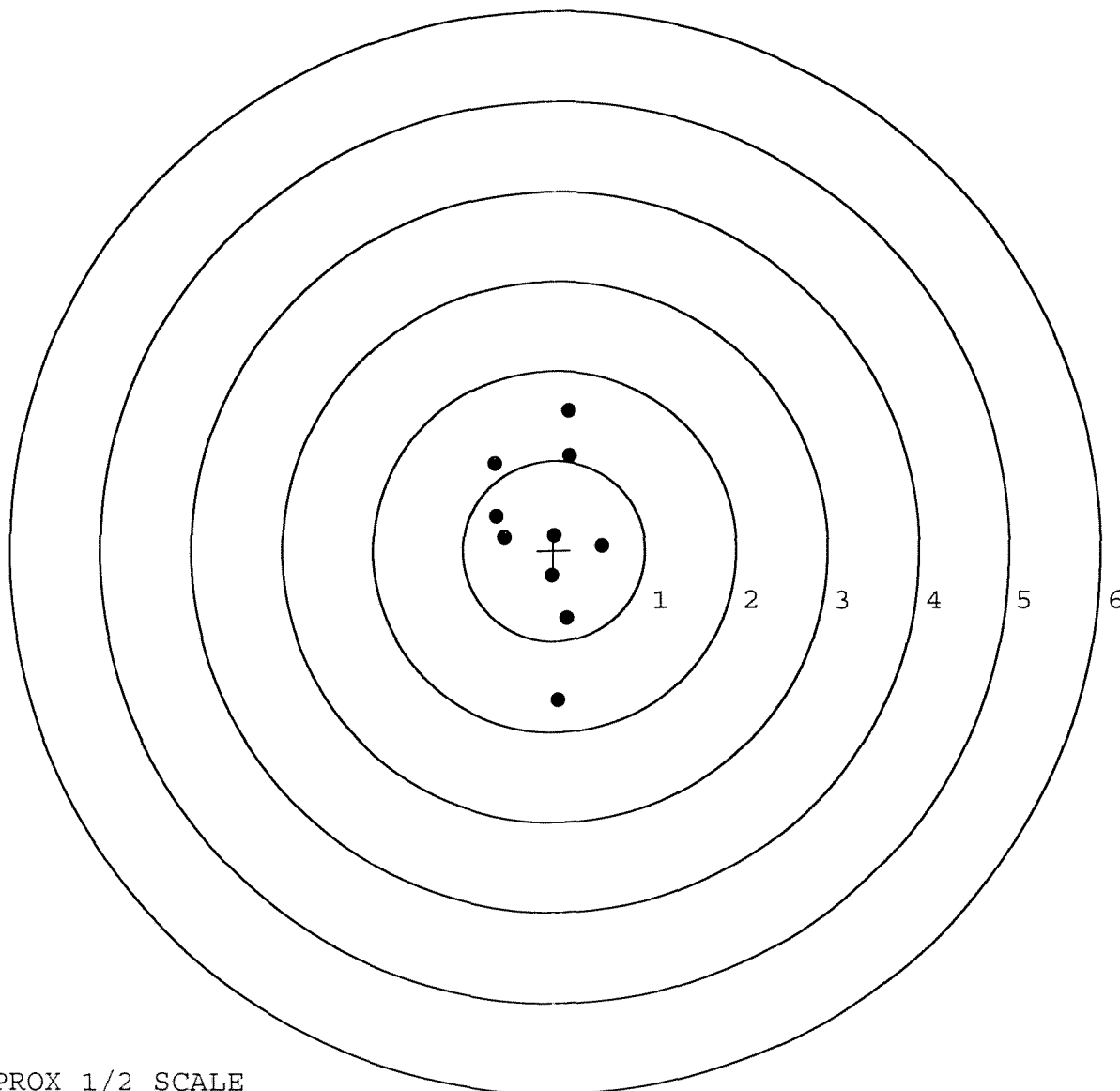
MEAN RADIUS: 0.830

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.141	-0.755
2:	0.527	0.047
3:	-0.025	-0.282
4:	0.008	0.161
5:	-0.546	0.147
6:	-0.635	0.380
7:	-0.648	0.972
8:	0.177	1.049
9:	0.166	1.547
10:	0.052	-1.657



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349092. 0

TARGET NUMBER: 2

FILE DATE: 03/02/2007

FILE TIME: 14:55

X CENTROID: -0.136

Y CENTROID: -0.143

POA TO CENTROID: 0.198

HORZ SPREAD: 1.363

VERT SPREAD: 1.045

GROUP SPREAD: 1.711

MIN RADIUS: 0.060

MAX RADIUS: 1.036

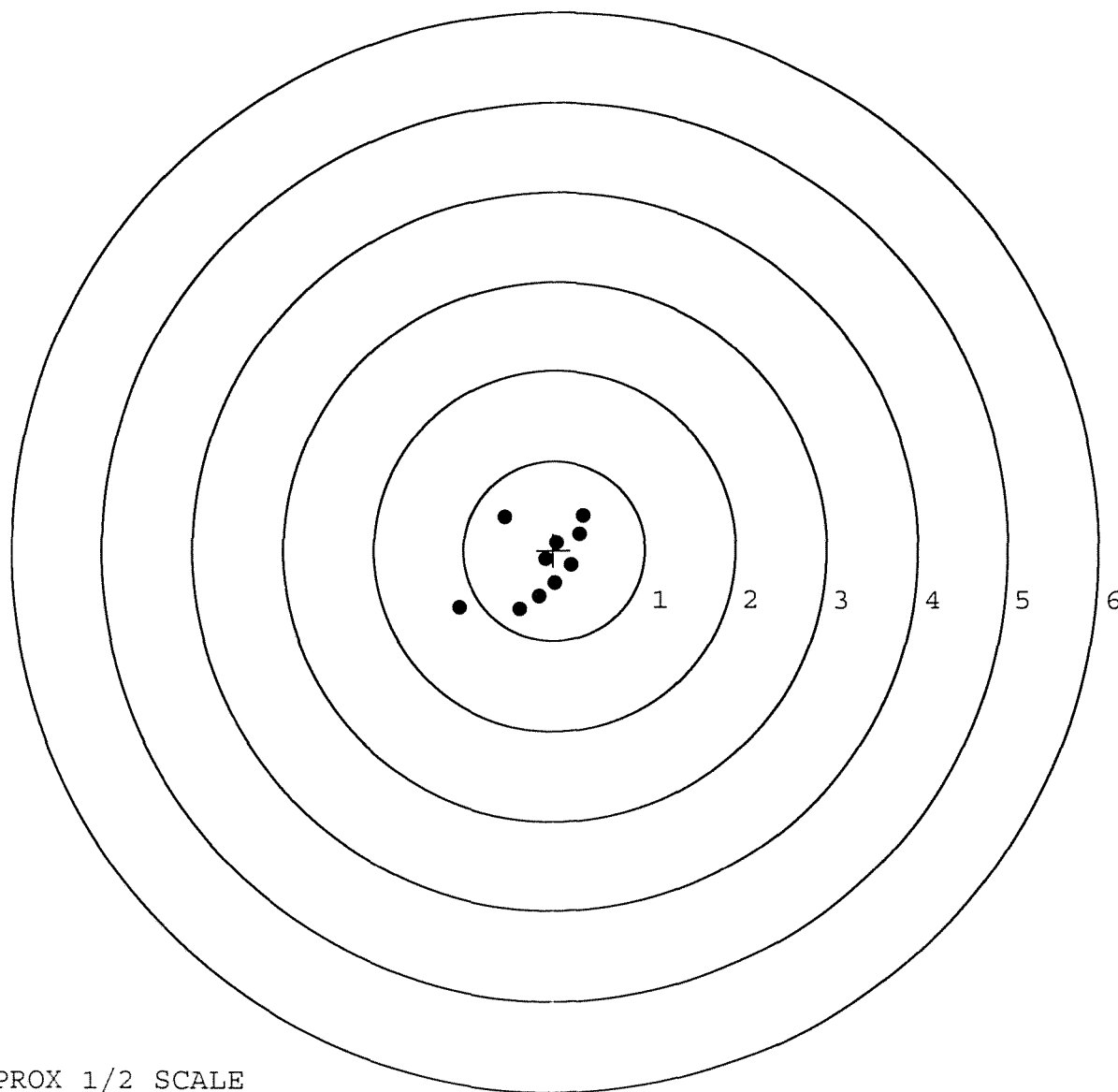
MEAN RADIUS: 0.483

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.042	-0.645
2:	-0.543	0.379
3:	0.321	0.390
4:	0.196	-0.170
5:	0.035	0.085
6:	-0.089	-0.106
7:	0.016	-0.371
8:	-0.162	-0.519
9:	-0.378	-0.655
10:	0.285	0.180

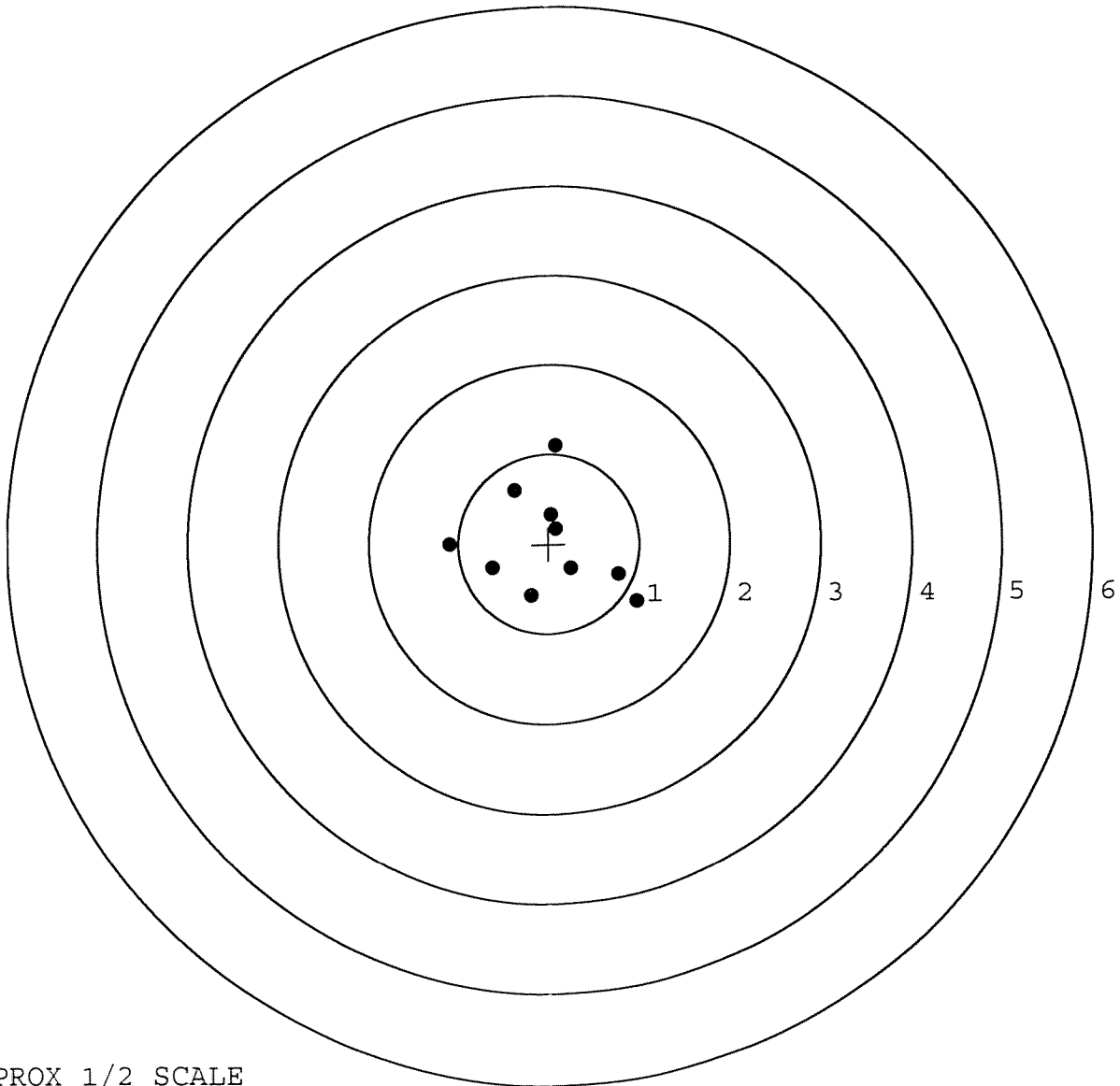


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349092. __0
 TARGET NUMBER: 3
 FILE DATE: 03/02/2007
 FILE TIME: 14:55

POINT#	X	Y
1:	0.971	-0.645
2:	0.767	-0.345
3:	0.249	-0.276
4:	-0.199	-0.577
5:	-0.626	-0.260
6:	-1.094	-0.001
7:	0.082	0.172
8:	0.029	0.329
9:	-0.380	0.606
10:	0.085	1.091

X CENTROID: -0.012
 Y CENTROID: 0.009
 POA TO CENTROID: 0.015
 HORZ SPREAD: 2.065
 VERT SPREAD: 1.736
 GROUP SPREAD: 2.163
 MIN RADIUS: 0.188
 MAX RADIUS: 1.181
 MEAN RADIUS: 0.709
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349092. 0

TARGET NUMBER: 4

FILE DATE: 03/02/2007

FILE TIME: 14:55

X CENTROID: -0.070

Y CENTROID: -0.062

POA TO CENTROID: 0.094

HORZ SPREAD: 1.503

VERT SPREAD: 1.398

GROUP SPREAD: 1.647

MIN RADIUS: 0.110

MAX RADIUS: 0.900

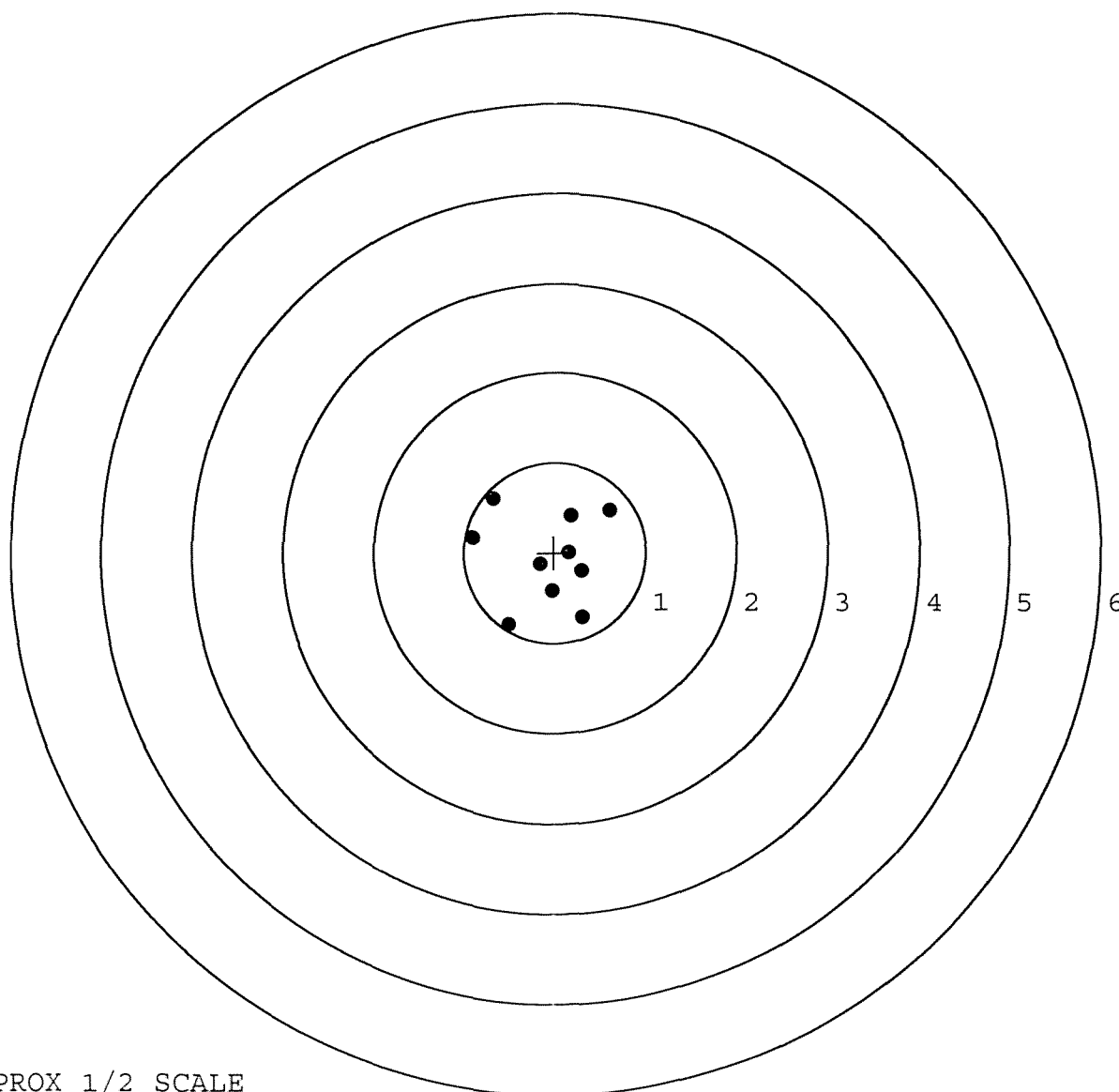
MEAN RADIUS: 0.588

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.312	-0.715
2:	-0.502	-0.794
3:	-0.675	0.604
4:	-0.903	0.168
5:	0.600	0.472
6:	0.180	0.410
7:	0.301	-0.204
8:	-0.023	-0.429
9:	-0.154	-0.133
10:	0.162	-0.004



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349092. 0

TARGET NUMBER: 5

FILE DATE: 03/02/2007

FILE TIME: 14:55

X CENTROID: 0.177

Y CENTROID: -0.300

POA TO CENTROID: 0.348

HORZ SPREAD: 1.838

VERT SPREAD: 1.535

GROUP SPREAD: 1.909

MIN RADIUS: 0.165

MAX RADIUS: 1.000

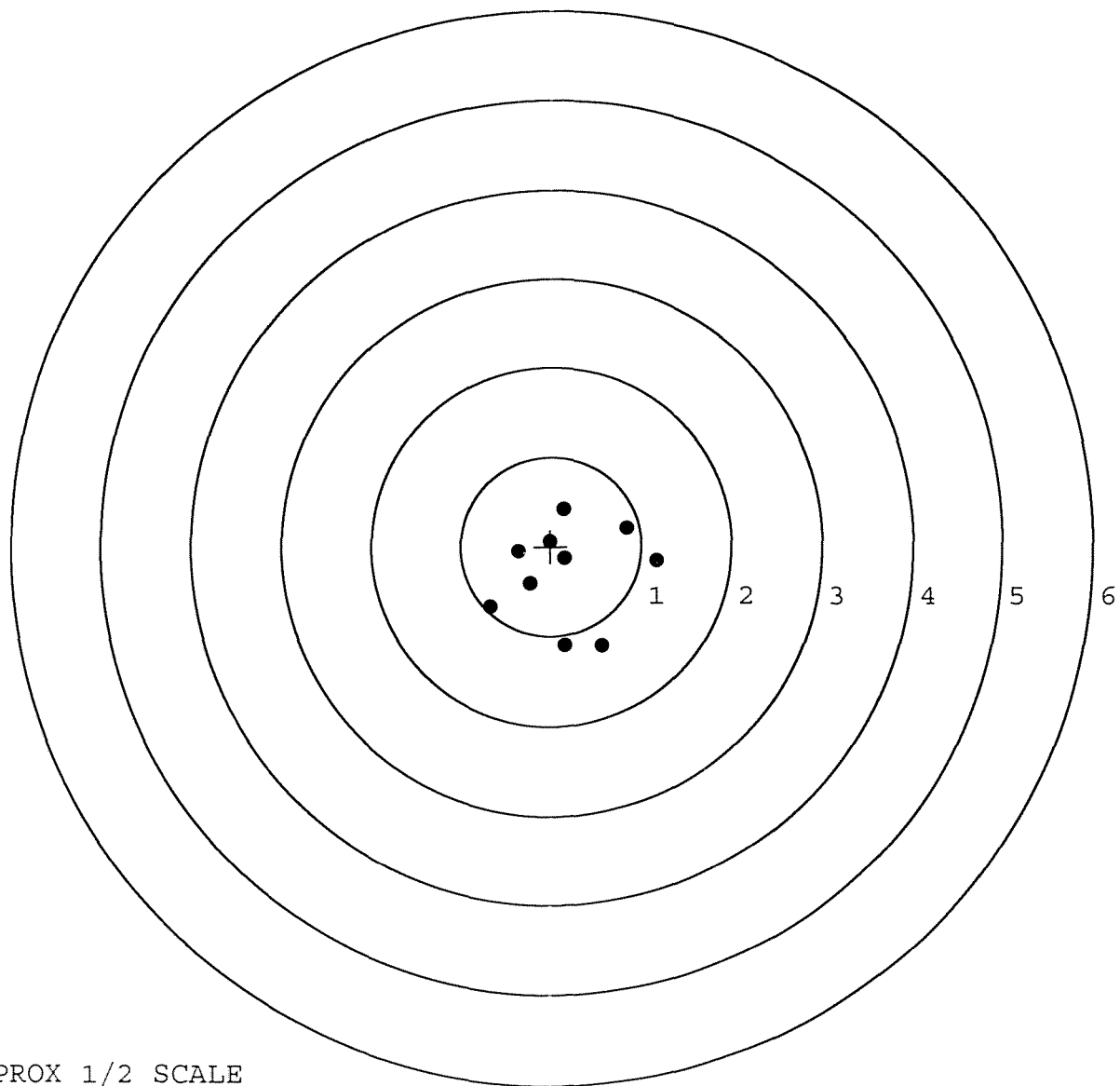
MEAN RADIUS: 0.677

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.168	-0.161
2:	0.839	0.203
3:	0.567	-1.117
4:	0.165	-1.112
5:	-0.670	-0.676
6:	0.145	0.418
7:	0.154	-0.136
8:	-0.008	0.058
9:	-0.228	-0.416
10:	-0.357	-0.058



TARGET APPROX 1/2 SCALE

R & E NUMBER	124469			
SERIAL NUMBER	C6349092			
LOG-IN DATE	1-30-07			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		2-5-07	RTZ
505	RE-BARREL		2-7-07	RTZ
560	ASSEMBLE		2-7-07	RTZ
600	PROOF		2-7-07	Fm
605	CHECK HEADSPACE	INSPECTED	2-7-07	Fm
610	DIS-ASSEMBLE GUN	FEB 13 2007	2-7-07	RTZ
612	MAGNAFLUX	OPERATOR APD	2-13-07	APD
510	DRILL AND TAP		2-12-07	TRW
615	ROLLMARK CALIBER		2-13-07	CW
618	ROTO-BLAST		2-13-07	LB
620	APPLY COATINGS		2-19-07	WJ
625	FINAL ASSEMBLY		3-1-07	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	3-2-07	TRW
650	TARGET	(PASS) FAIL	3-2-07	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	3-2-07	Fin
670	FINAL INSPECTION		3/6/07	non
	A) HEADSPACE	(PASS) FAIL	3/6/07	non
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.36 2.24 2.23 2.28 2.33 3.607	DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.5 4.5 4.5 3.607	DA
	G) SAFETY OFF FORCE	2 LBS MIN	2.5 2.0 2.0 3.607	DA
	I) FIRING PIN INDENT	.020	1.023 1.023 1.023 3.607	DA
690	PACK		3-9-07	DA

Remington		DUPONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ M24		SERIAL NO. C6498852	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		01	



5716 C6498852

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498852

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 17	90	RW
600	Proof	5 17	90	RW
607	Check Headspace	5 17	90	RW
610	Dis-assemble Gun	5 17	90	RW
612	Magnaflux Barrel Action		5/22/90	KCR
	Magnaflux Bolt		5/22/90	KCR
615	Rollmark Caliber		5/22/90	GS
617	Drill and Tap Sight Holes		5/23/90	FEB
618	Polish Barrel RB		5/24/90	WB
620	Apply Coatings (Barrel Action)		6/4/90	JA
	Apply Coating (Bolt)		6/4/90	JA
625	Final Assembly A) Clean inside of Bolt Assembly		6/4/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		6/4/90	RW
	C) Inspect Ejector Hole for Chamfer		6/4/90	RW
	D) Oil Firing Pin Ass'y		6/4/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/11/90	JL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 1/2	3 1/2	3 1/2			6/12/90	WB
	G) Safety Off Force	2	2	2			6/12/90	WB
	H) Trigger Pull Test & Retainability						6-21-90	JH
	I) Firing Pin Indent	.0235	.023	.023			6/12/90	WB
	J) Assemble Stock						6/13/90	RW
	K) Assemble Swivel Studs						6/14/90	JH
	L) Attach Front and Rear Sight Assemblies						6/13/90	RW
	M) Iron Sight Alignment						6/13/90	RW
	N) Detach Front & Rear Sights & place in numbered container						6/13/90	RW
	O) Attach Scope to Rifle						6/13/90	WB
	P) Detach & Attach Scope 20 Times						6/13/90	WB
640	Gallery Target & Test						6-13-90	AC
	A) Time						6-13-90	AC
	B) Malfunctions						6-13-90	AC
	C) Pierced Primers						6-13-90	AC
	D) Optical Clarity of Scope						6-13-90	AC
645	Inspect for Live Ammo						6-13-90	AC
655	Final Inspection							
	A) Headspace						6/14/90	JH
	B) Trigger Pull	2.46	2.52	2.61	2.70	2.71	6-14-90	JH
	C) Function						6/14/90	JH
660	Pack						6-14-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. 66498852DATE 6/11/98TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.30	2.28	2.26	2.46	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.26	2.31	2.30	2.52	
PULL #3	2.29	2.31	2.25	2.61	
PULL #4	2.33	2.26	2.31	2.70	
PULL #5	2.35	2.31	2.30	2.71	
TOTAL	11.53	11.47	11.42		
AVG.	2.306	2.294	2.284		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.31		
PULL #2	3.29	3.27		
PULL #3	3.26	3.31		
PULL #4	3.29	3.35		
PULL #5	3.31	3.34		
TOTAL	16.47	16.58		
AVG.	3.294	3.316		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.38	4.40		4.41
PULL #2	4.33	4.41		4.39
PULL #3	4.37	4.40		4.36
PULL #4	4.33	4.31		4.39
PULL #5	4.37	4.44		4.41
TOTAL	21.78	21.96		21.94
AVG.	4.356	4.392		4.388

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498852
13 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.286447
1 TO	2	.374937
1 TO	3	.283535
1 TO	4	.276539
1 TO	5	.373755

3.54 <----POA

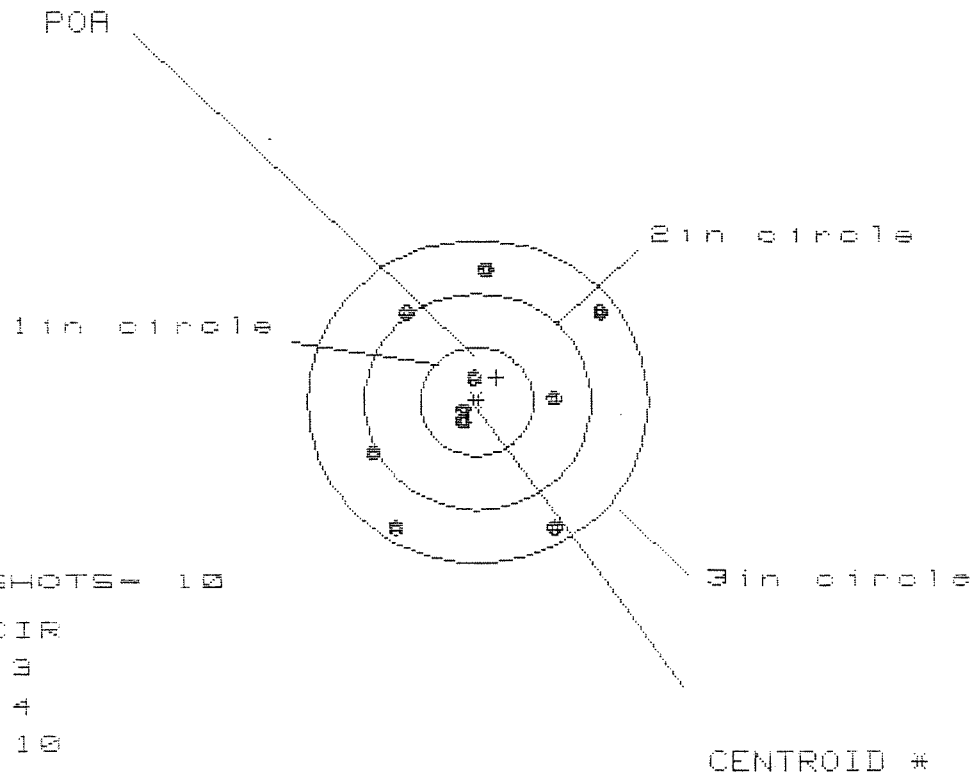
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.0978$
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $-.0404$
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.105816$
THE AMR FOR THIS RIFLE IS: $.9854$

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498852

CENTERFIRE PATTERNS

1



OF SHOTS - 10

IN CIR

1in = 3

2in = 4

3in = 10

HS = 2.0007

VS = 2.488

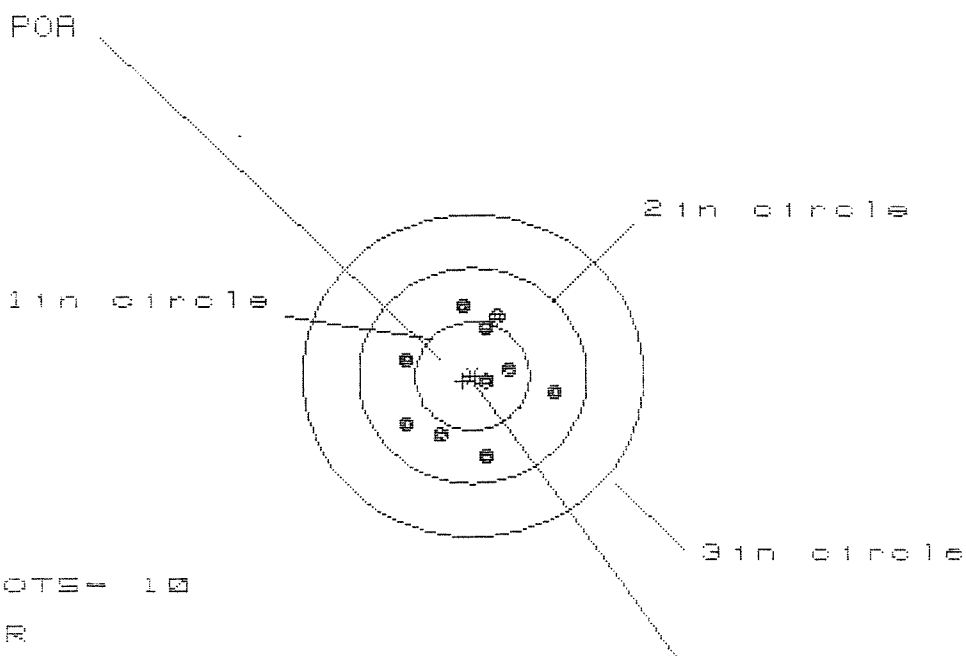
GS = 2.695

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.121	1.044	.685
MINIMUM X	-.887	-.963	-.833
MAXIMUM Y	1.263	1.128	1.208
MINIMUM Y	-1.217	-1.315	-1.235
CENTROID X	-.176	-.099	-.229
CENTROID Y	-.226	-.091	-.171
POA TO CENTROID in.	.286	.134	.286
MIN RADIUS	.101	.164	.118
MEAN RADIUS	.862	.806	.729
MAX RADIUS	1.400	1.427	1.412
HORIZONTAL SPREAD	2.007	2.007	1.518
VERTICAL SPREAD	2.488	2.443	2.443
EXTREME SPREAD	2.695	2.515	2.515
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	10		

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498852

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 10

3 in = 10

HS= 1.368

VS= 1.440

GS= 1.451

CENTROID #

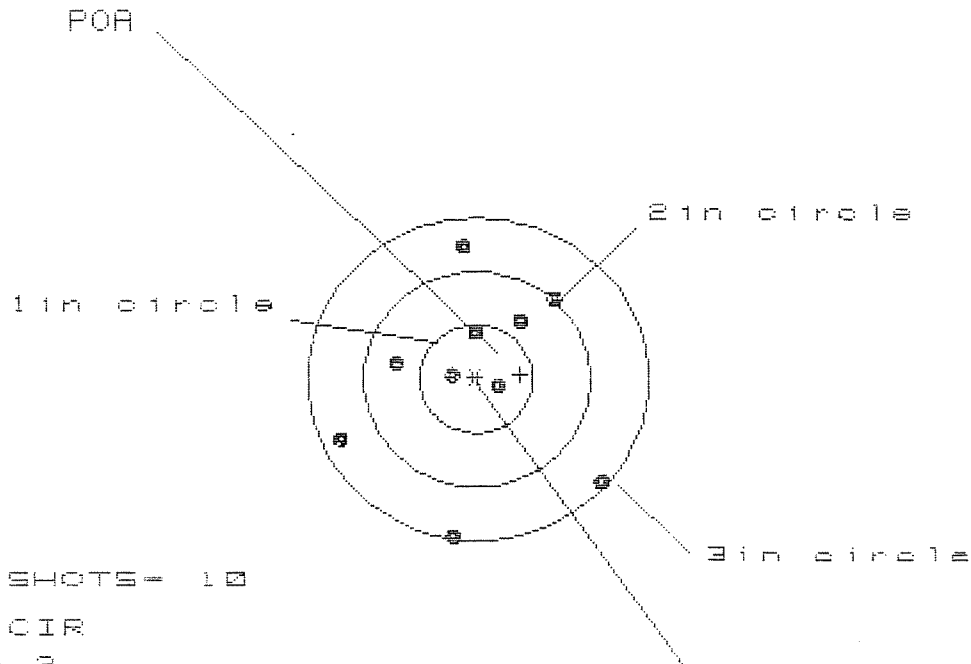
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.757	.689	.322
MINIMUM X	:	-.611	-.652	-.566
MAXIMUM Y	:	.694	.640	.610
MINIMUM Y	:	-.746	-.800	-.830
CENTROID X	:	.081	.149	.063
CENTROID Y	:	.047	.101	.131
POA TO CENTROID in.	:	.094	.180	.145
MIN RADIUS	:	.122	.085	.169
MEAN RADIUS	:	.583	.544	.527
MAX RADIUS	:	.784	.800	.835
HORIZONTAL SPREAD	:	1.368	1.341	.888
VERTICAL SPREAD	:	1.440	1.440	1.440
EXTREME SPREAD	:	1.451	1.451	1.451
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		10	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C849B852

CENTERFIRE PATTERNS

3



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.271

VS= 2.701

GS= 2.702

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.095	.798	.786
MINIMUM X	:	-1.177	-1.055	-1.067
MAXIMUM Y	:	1.284	1.181	.991
MINIMUM Y	:	-1.417	-1.520	-.892
CENTROID X	:	-.390	-.511	-.499
CENTROID Y	:	-.040	.063	.253
POA TO CENTROID in.	:	.392	.515	.560
MIN RADIUS	:	.189	.117	.172
MEAN RADIUS	:	.859	.776	.667
MAX RADIUS	:	1.437	1.523	1.391
HORIZONTAL SPREAD	:	2.271	1.853	1.853
VERTICAL SPREAD	:	2.701	2.701	1.883
EXTREME SPREAD	:	2.702	2.702	2.257
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

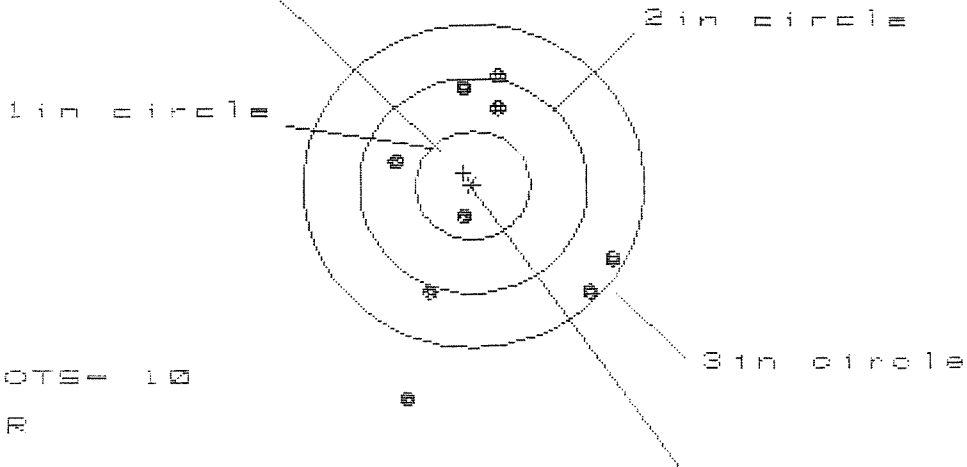
13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C849B852

CENTERFIRE PATTERNS

4

POA



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HE= 2.119

VE= 3.987

GE= 3.998

CENTROID *

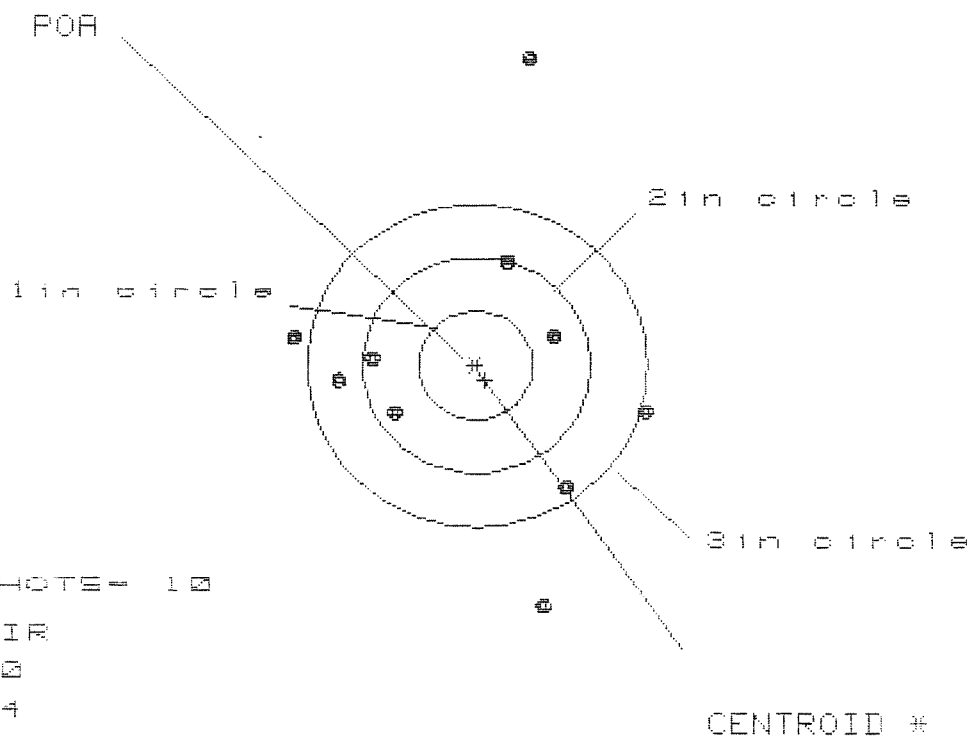
PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.240
MINIMUM X	-.879
MAXIMUM Y	2.031
MINIMUM Y	-1.956
CENTROID X	.079
CENTROID Y	-.119
POA TO CENTROID in.	.143
MIN RADIUS	.293
MEAN RADIUS	1.179
MAX RADIUS	2.213
HORIZONTAL SPREAD	2.119
VERTICAL SPREAD	3.987
EXTREME SPREAD	3.998
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	8

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498852

CENTERFIRE PATTERNS

5



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 6

HS = 3.126

VS = 5.111

GS = 5.112

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.531	1.588	1.670
MINIMUM X	:	-1.595	-1.538	-1.456
MAXIMUM Y	:	2.867	1.277	1.036
MINIMUM Y	:	-2.244	-1.926	-1.018
CENTROID X	:	-.083	-.140	-.222
CENTROID Y	:	.136	-.182	.059
POR TO CENTROID in.	:	.159	.230	.229
MIN RADIUS	:	.736	.653	.665
MEAN RADIUS	:	1.444	1.264	1.133
MAX RADIUS	:	2.913	2.034	1.708
HORIZONTAL SPREAD	:	3.126	3.126	3.126
VERTICAL SPREAD	:	5.111	3.203	2.054
EXTREME SPREAD	:	5.112	3.309	3.198
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	