

C6225144

MODEL 700™ M24

Model 700 M24™

Action _____

Barrel Length _____

Capacity _____

Order No. 5715

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00168588

Verify Repair

Serial: C6225144 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:
Status: Closed 5/26/2009 1:34:49 PM

Address Information

Customer:
Name: ISSD ARMS ROOM

Received From

Return To

Received From

Address 1: 8TH DESERT STORM

Address 2: BLDG 5210 BAY DOOR #30 PO Box

City: FORT CAMPBELL

State: KY Zip Code: 42223 Country: US

Address 1: 8TH DESERT STORM

Address 2: BLDG 5210 BAY DOOR #30 PO Box

City: FORT CAMPBELL

State: KY Zip Code: 42223 Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Received Condition

Accessories Received

Phone:

Fax:

Email:

Comments:

Condition:

Notes:

CSR Notes:

Code	Desc	Qty
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	BiPod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

Refresh

Close

naglej

5/26/2009

1:40 PM

CAPE

NUM

WNS

SCAL

start

Microsoft

Microsoft

Google News

Part Search by

Arms Services

Material When

Serial Number: C6225144
Model: M24 SWS

RE00168588

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

R & E NUMBER

168588

SERIAL NUMBER

C6225144

LOG-IN DATE

5-27-09

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	5-26-09	RTZ
505	RE-BARREL	5-28-09	RTZ
420	ASSEMBLE	5-28-09	RTZ
440	PROOF	5-28-09	L.P.D.
460	CHECK HEADSPACE	5-28-09	L.P.D.
470	DIS-ASSEMBLE GUN	5-28-09	L.P.D.
480	MAGNAFLUX	5/30/09	(D)
510	DRILL AND TAP	5-29-09	SP
500	ROLLMARK CALIBER	6/1/09	RT
520	GOFF BLAST BBL / REC	6-1-09	DLWD
530 & 540	APPLY COATINGS	6/3	
560	FINAL ASSEMBLY	6-8-09	RTZ
640	FUNCTION TEST AND	6-8-09	L.P.D.
650	TARGET	6-8-09	L.P.D.
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	6-8-09	RP
	A) HEADSPACE	PASS	FAIL
	B) TRIGGER PULL	2.92 2.91 2.93 2.99 2.95	6-12-09 RTZ
680	F) SAFETY ON FORCE	3.0 3.0 3.0	6-12-09 XJ
	G) SAFETY OFF FORCE	5.0 5.0 5.0	6-12-09 XJ
	I) FIRING PIN INDENT	.021 .021 .021	6-12-09 XJ
690	PACK	6/5/09	Fm

F006 REV 1/2009

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

BARBER - M24 004996950008

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225144.___0

FILE DATE AND TIME: 06/09/2009 14:26

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.036
The Average Y Centroid of the Five Target Set:	0.062
The Average Point of Impact of the Five Target Set:	0.072
The Average Mean Radius of the Five Target Set:	0.611
The Distance from POA to Centroid Target #1:	0.023
The Distance from Centroid Target #2 to Centroid Target #1:	0.080
The Distance from Centroid Target #3 to Centroid Target #1:	0.065
The Distance from Centroid Target #4 to Centroid Target #1:	0.181
The Distance from Centroid Target #5 to Centroid Target #1:	0.085

SERIAL NUMBER: C6225144. __0

TARGET NUMBER: 1

FILE DATE: 06/09/2009

FILE TIME: 14:26

X CENTROID: 0.017

Y CENTROID: 0.015

POA TO CENTROID: 0.023

HORZ SPREAD: 1.784

VERT SPREAD: 1.925

GROUP SPREAD: 1.977

MIN RADIUS: 0.279

MAX RADIUS: 1.214

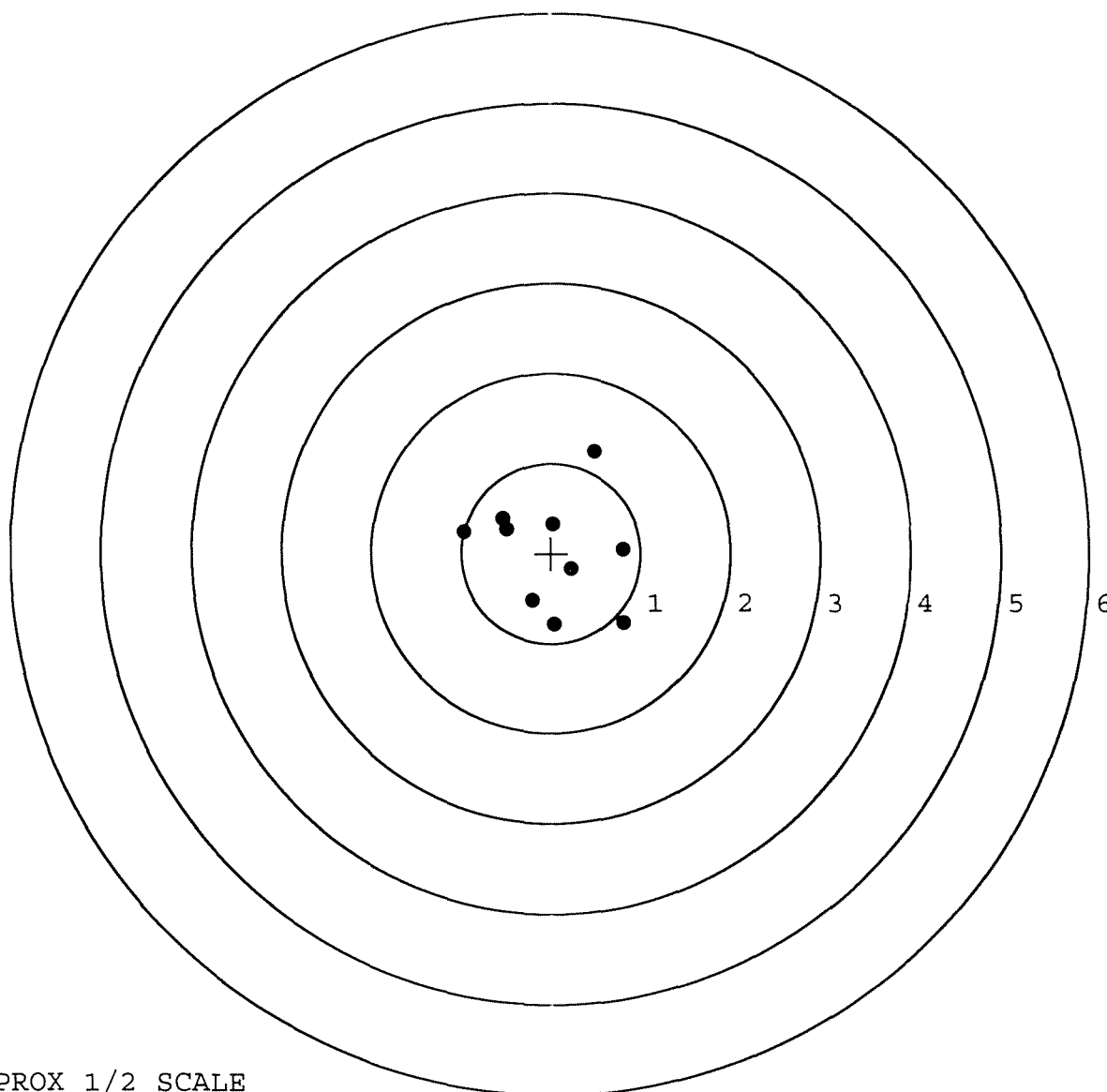
MEAN RADIUS: 0.737

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.490	1.133
2:	0.802	0.053
3:	0.813	-0.773
4:	0.038	-0.792
5:	-0.209	-0.526
6:	0.221	-0.176
7:	0.025	0.329
8:	-0.539	0.389
9:	-0.498	0.273
10:	-0.971	0.241



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225144. __0

TARGET NUMBER: 2

FILE DATE: 06/09/2009

FILE TIME: 14:26

X CENTROID: 0.091

Y CENTROID: 0.047

POA TO CENTROID: 0.102

HORZ SPREAD: 1.951

VERT SPREAD: 2.049

GROUP SPREAD: 2.115

MIN RADIUS: 0.382

MAX RADIUS: 1.393

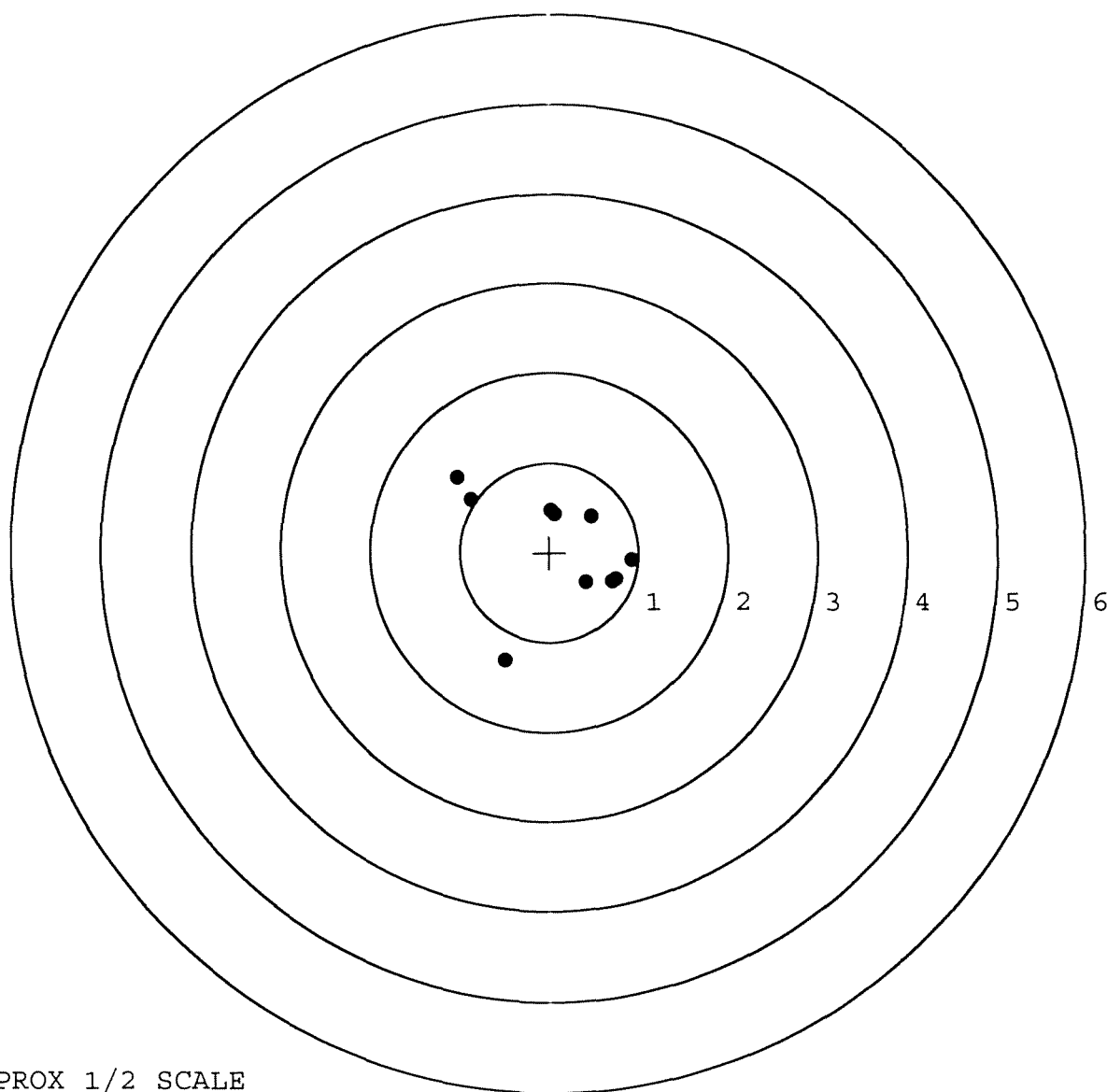
MEAN RADIUS: 0.800

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.029	0.836
2:	-0.878	0.590
3:	0.054	0.427
4:	0.468	0.401
5:	0.922	-0.086
6:	0.705	-0.322
7:	0.409	-0.338
8:	-0.505	-1.213
9:	0.746	-0.298
10:	0.014	0.471

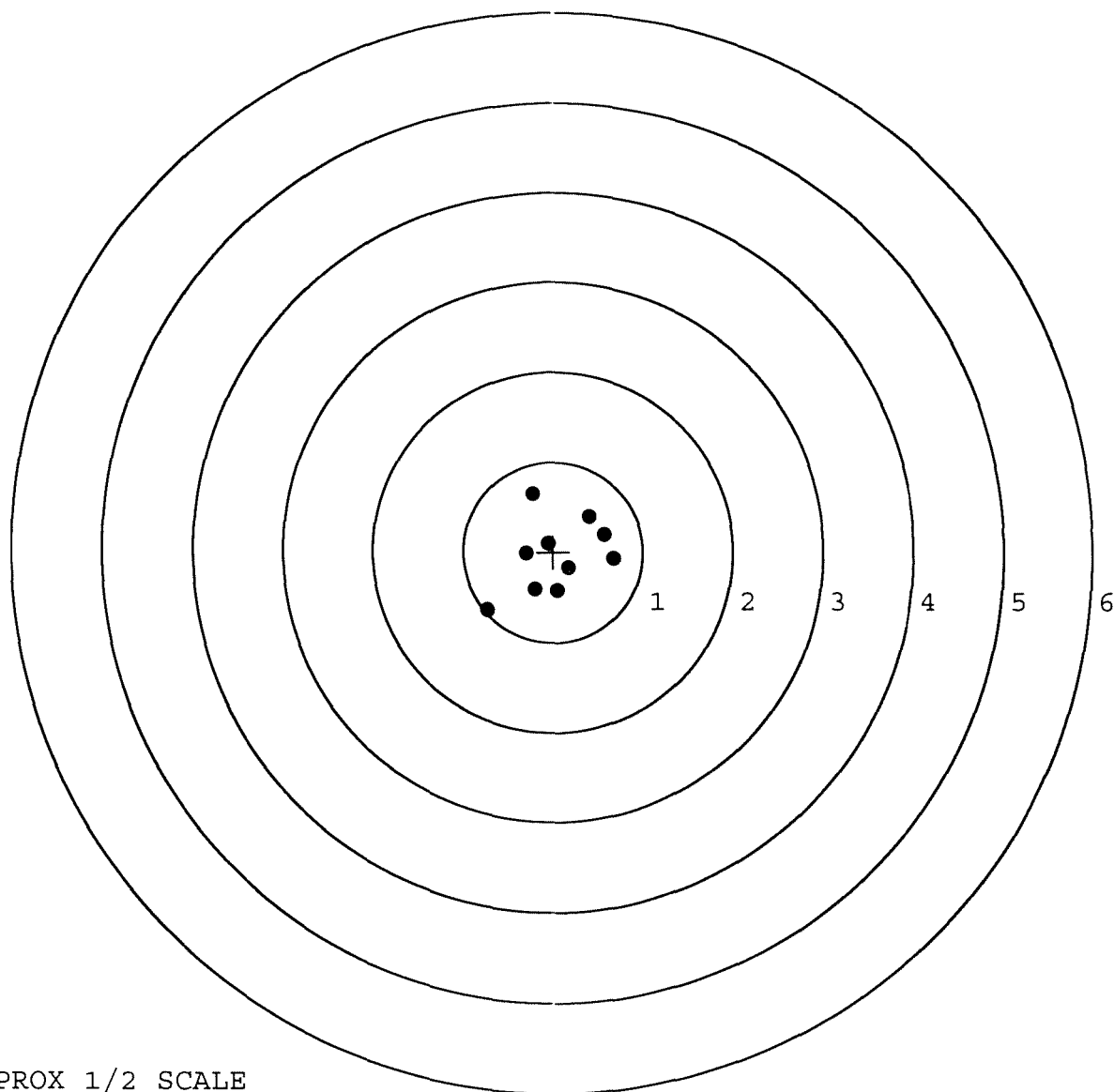


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225144. __0
 TARGET NUMBER: 3
 FILE DATE: 06/09/2009
 FILE TIME: 14:26

X CENTROID: 0.035
 Y CENTROID: -0.047
 POA TO CENTROID: 0.059
 HORZ SPREAD: 1.408
 VERT SPREAD: 1.292
 GROUP SPREAD: 1.556
 MIN RADIUS: 0.171
 MAX RADIUS: 0.974
 MEAN RADIUS: 0.506
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.405	0.390
2:	0.578	0.191
3:	0.676	-0.078
4:	-0.732	-0.648
5:	-0.233	0.644
6:	-0.055	0.098
7:	-0.303	-0.025
8:	-0.203	-0.423
9:	0.049	-0.436
10:	0.169	-0.186



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225144. __0

TARGET NUMBER: 4

FILE DATE: 06/09/2009

FILE TIME: 14:26

POINT#	X	Y
1:	-0.083	0.969
2:	-0.503	0.466
3:	0.766	0.069
4:	0.700	0.250
5:	0.262	0.137
6:	0.014	0.331
7:	-0.253	0.016
8:	-0.446	-0.065
9:	0.012	-0.261
10:	-0.119	0.037

X CENTROID: 0.035

Y CENTROID: 0.195

POA TO CENTROID: 0.198

HORZ SPREAD: 1.269

VERT SPREAD: 1.230

GROUP SPREAD: 1.237

MIN RADIUS: 0.138

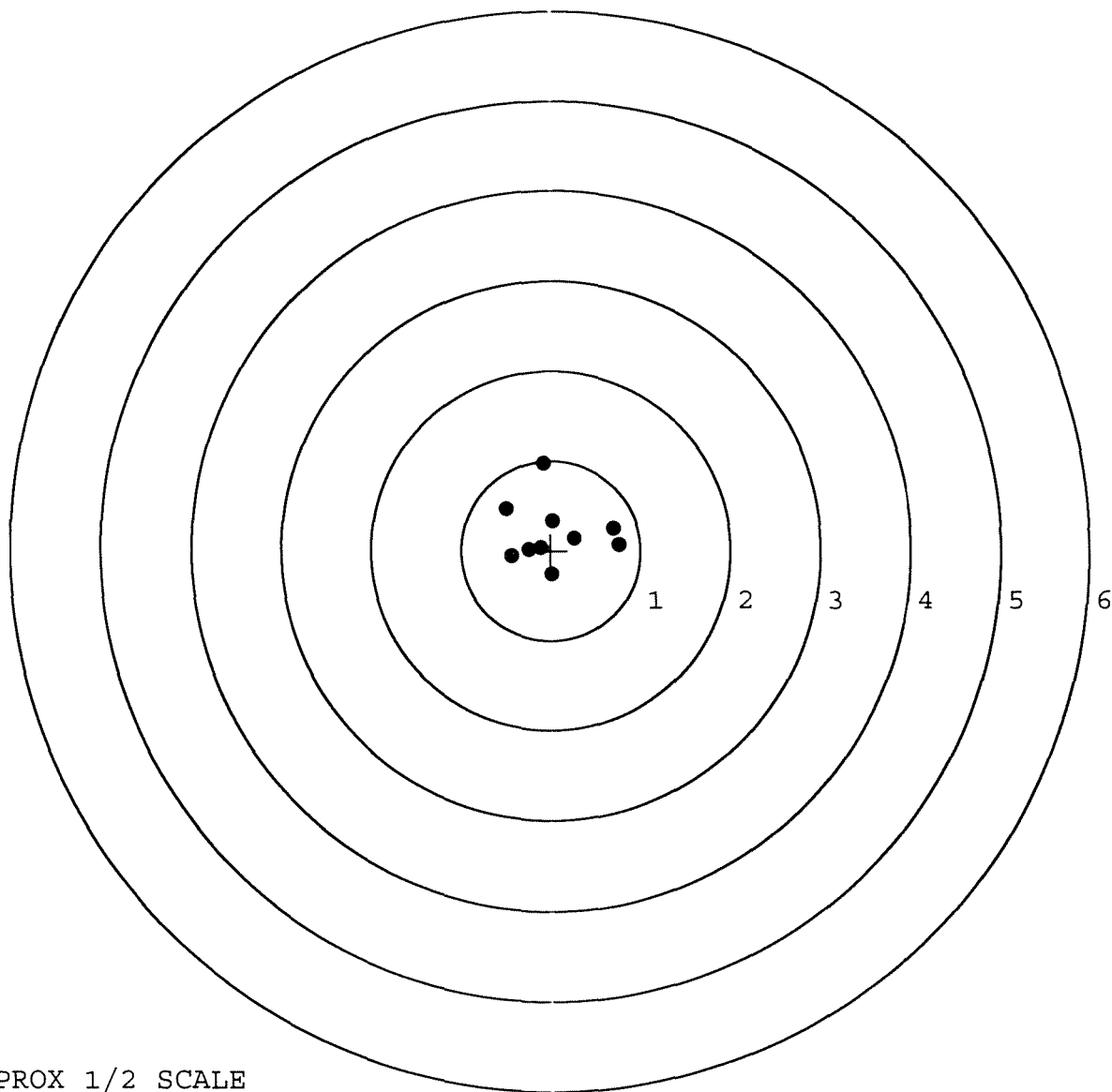
MAX RADIUS: 0.783

MEAN RADIUS: 0.473

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225144. __0

TARGET NUMBER: 5

FILE DATE: 06/09/2009

FILE TIME: 14:26

POINT#	X	Y
1:	-0.502	0.563
2:	-0.236	0.713
3:	0.463	0.590
4:	0.649	0.245
5:	0.564	-0.087
6:	-0.521	-0.568
7:	-0.367	-0.372
8:	-0.034	-0.317
9:	-0.034	-0.009
10:	0.052	0.234

X CENTROID: 0.003

Y CENTROID: 0.099

POA TO CENTROID: 0.099

HORZ SPREAD: 1.170

VERT SPREAD: 1.281

GROUP SPREAD: 1.520

MIN RADIUS: 0.114

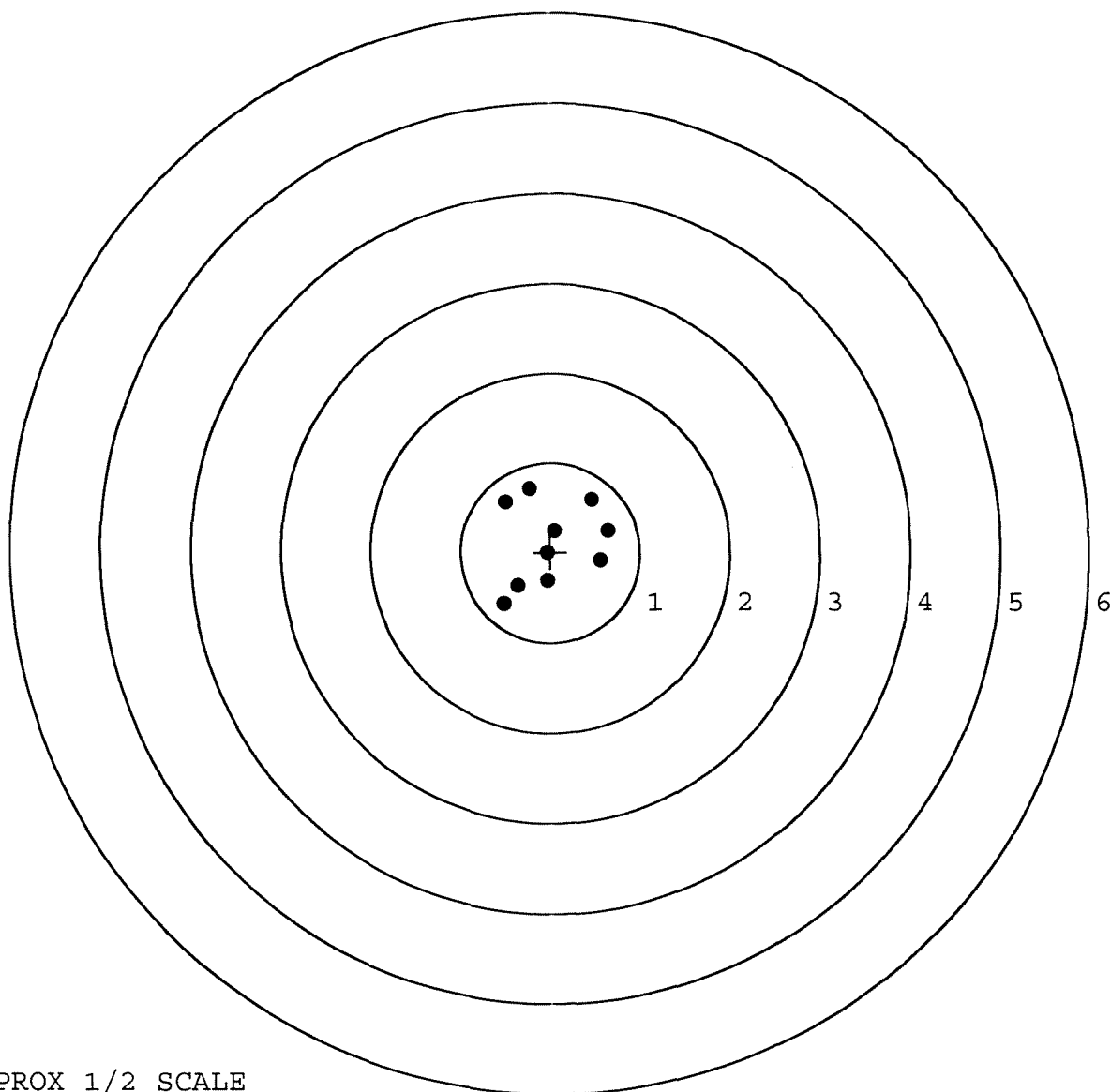
MAX RADIUS: 0.849

MEAN RADIUS: 0.539

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Repair Inquiry

Repair Number: RE00093006

Serial: C6225144 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/20/1998

Repairman:

Status:

Closed 2/11/2005 7:24:12 AM

Verify Repair

Address Information

Customer

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 362014199

Country: US

State: AL

Zip Code: 362014199

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

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	1

Repair Search

Refresh

Close

negall

2/14/2005

9:09 AM

CAPS

NUM

INS

SCPL

start

5

2

3

Arms 34-M6

Serial
Number:

C6225144

Model: M24 SWS



RE00093006

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225144.__0

FILE DATE AND TIME: 09/02/2005 11:13

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.063
The Average Y Centroid of the Five Target Set:	-0.072
The Average Point of Impact of the Five Target Set:	0.095
The Average Mean Radius of the Five Target Set:	0.950
The Distance from POA to Centroid Target #1:	0.379
The Distance from Centroid Target #2 to Centroid Target #1:	0.494
The Distance from Centroid Target #3 to Centroid Target #1:	0.467
The Distance from Centroid Target #4 to Centroid Target #1:	0.070
The Distance from Centroid Target #5 to Centroid Target #1:	0.489

SERIAL NUMBER: C6225144. __0

TARGET NUMBER: 1

FILE DATE: 09/02/2005

FILE TIME: 11:13

X CENTROID: 0.234

Y CENTROID: -0.298

POA TO CENTROID: 0.379

HORZ SPREAD: 3.345

VERT SPREAD: 3.694

GROUP SPREAD: 4.106

MIN RADIUS: 0.221

MAX RADIUS: 2.204

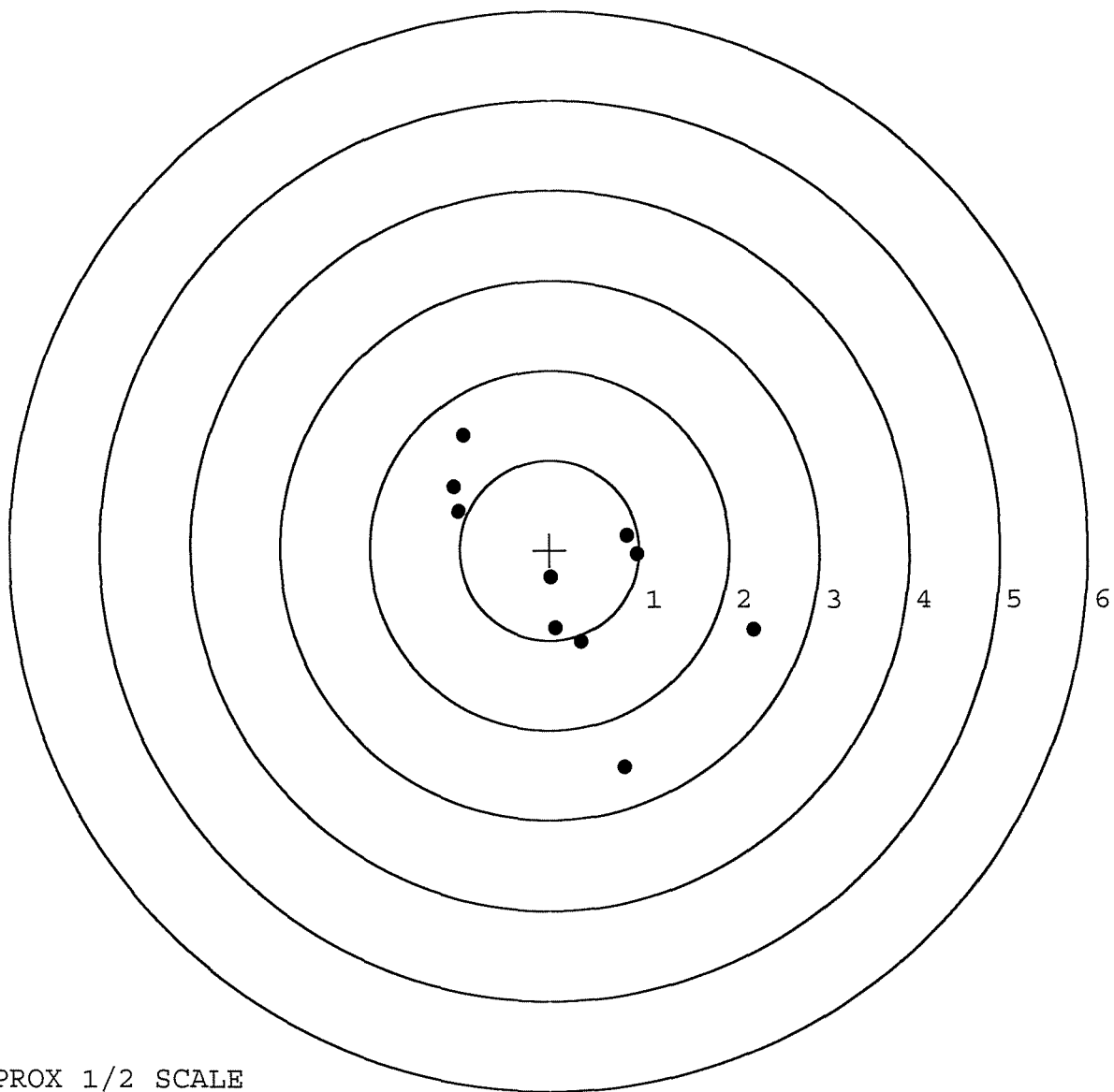
MEAN RADIUS: 1.250

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.976	-0.050
2:	0.862	0.162
3:	0.352	-1.020
4:	0.066	-0.872
5:	0.013	-0.304
6:	-1.014	0.431
7:	-1.072	0.703
8:	-0.955	1.276
9:	2.273	-0.889
10:	0.838	-2.418

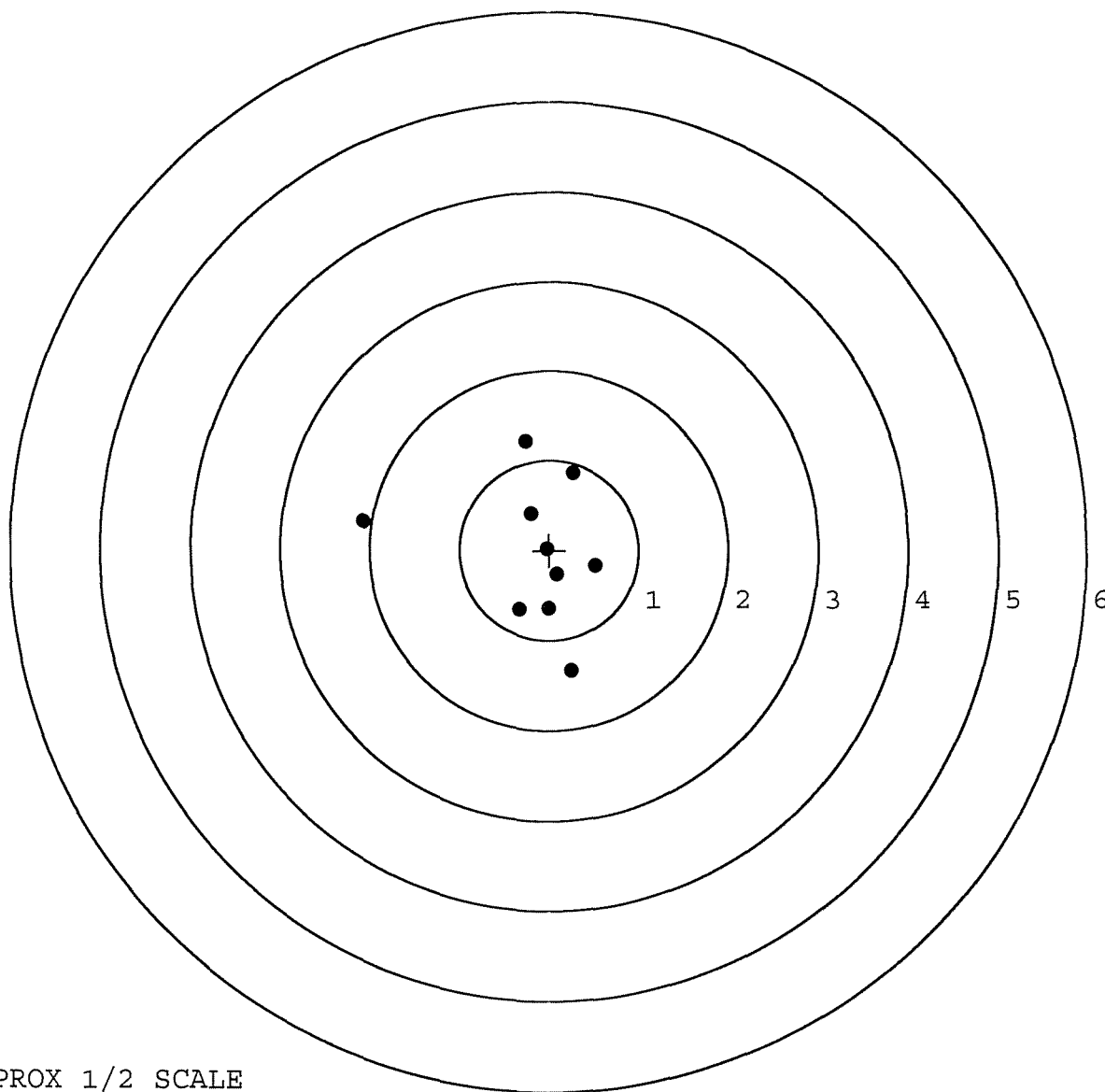


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225144. __0
 TARGET NUMBER: 2
 FILE DATE: 09/02/2005
 FILE TIME: 11:13

X CENTROID: -0.179
 Y CENTROID: -0.027
 POA TO CENTROID: 0.181
 HORZ SPREAD: 2.587
 VERT SPREAD: 2.550
 GROUP SPREAD: 2.853
 MIN RADIUS: 0.156
 MAX RADIUS: 1.922
 MEAN RADIUS: 0.849
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.248	-1.341
2:	0.518	-0.169
3:	-0.007	-0.650
4:	-0.334	-0.658
5:	0.082	-0.271
6:	-0.030	0.018
7:	-0.203	0.408
8:	0.272	0.857
9:	-0.265	1.209
10:	-2.069	0.323



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225144. __0

TARGET NUMBER: 3

FILE DATE: 09/02/2005

FILE TIME: 11:13

X CENTROID: -0.082

Y CENTROID: 0.046

POA TO CENTROID: 0.094

HORZ SPREAD: 1.716

VERT SPREAD: 1.691

GROUP SPREAD: 2.367

MIN RADIUS: 0.104

MAX RADIUS: 1.229

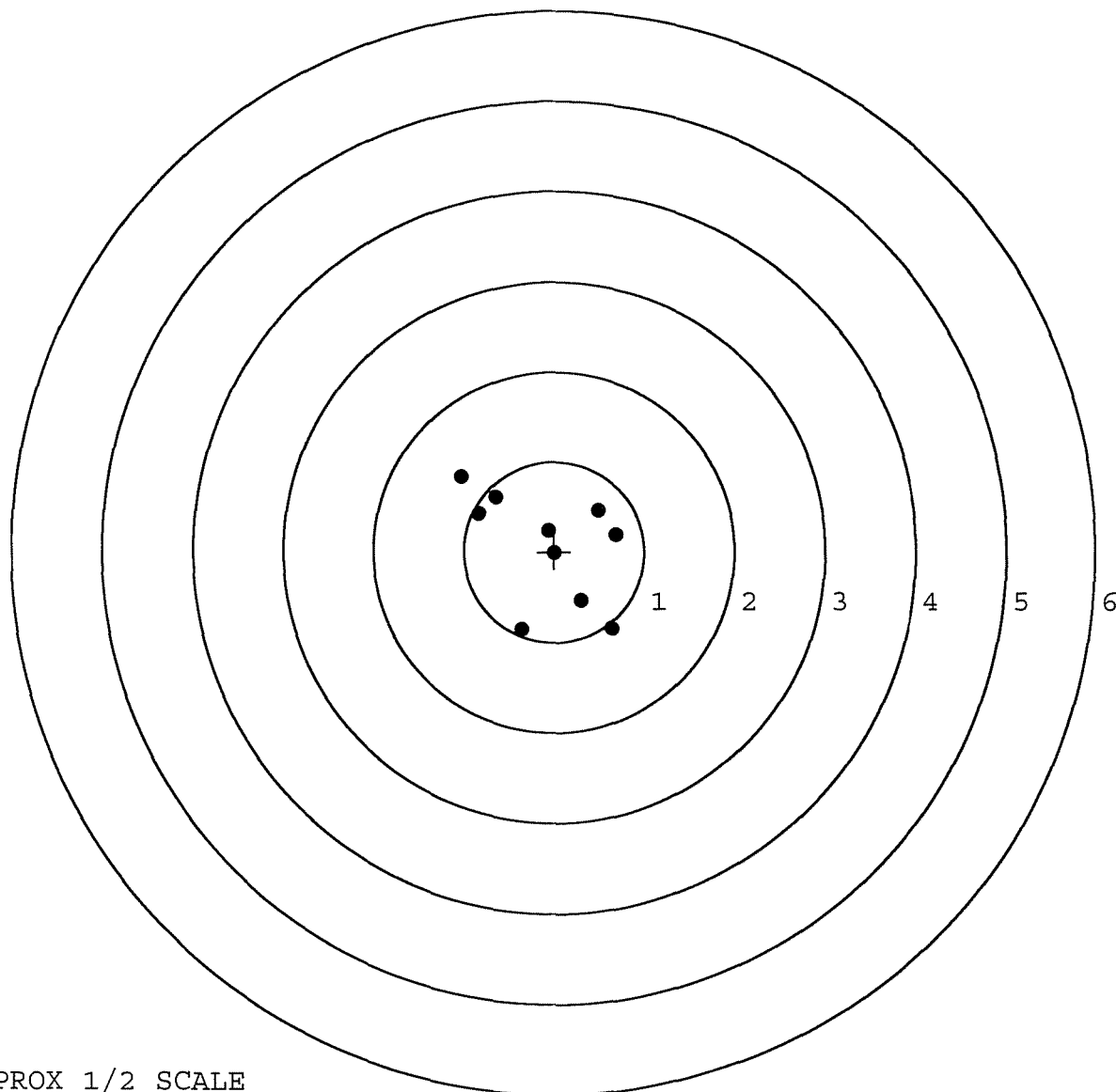
MEAN RADIUS: 0.745

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.003	-0.015
2:	-0.066	0.234
3:	0.688	0.189
4:	0.490	0.455
5:	0.643	-0.848
6:	0.303	-0.543
7:	-0.362	-0.862
8:	-0.648	0.604
9:	-0.839	0.414
10:	-1.028	0.829

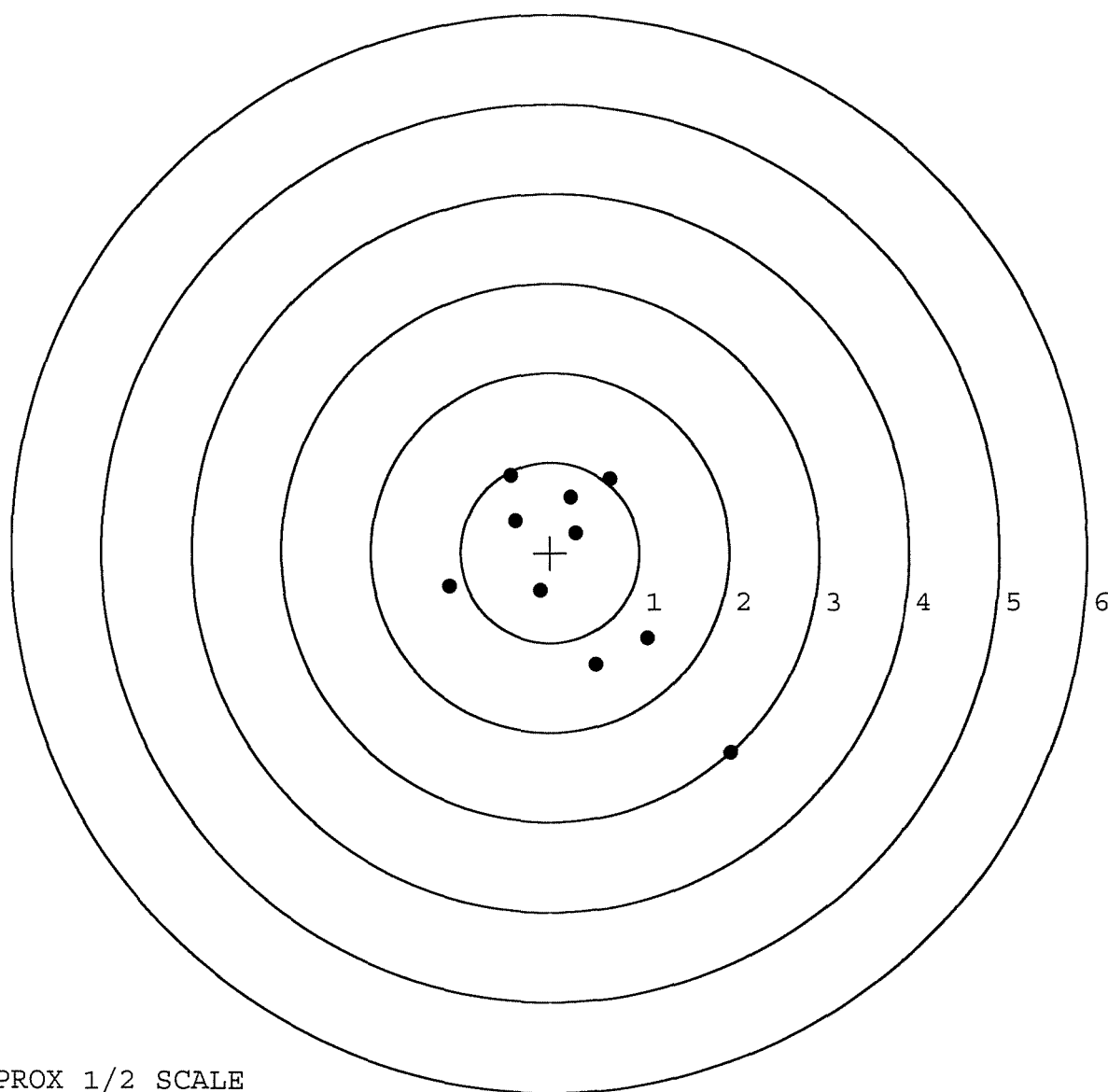


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225144. __0
 TARGET NUMBER: 4
 FILE DATE: 09/02/2005
 FILE TIME: 11:13

X CENTROID: 0.274
 Y CENTROID: -0.240
 POA TO CENTROID: 0.364
 HORZ SPREAD: 3.146
 VERT SPREAD: 3.084
 GROUP SPREAD: 3.945
 MIN RADIUS: 0.430
 MAX RADIUS: 2.652
 MEAN RADIUS: 1.124
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 4
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.087	-0.955
2:	0.513	-1.252
3:	2.019	-2.237
4:	-0.114	-0.426
5:	-1.127	-0.376
6:	0.293	0.215
7:	0.228	0.613
8:	0.672	0.819
9:	-0.441	0.847
10:	-0.391	0.349



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225144. __0

TARGET NUMBER: 5

FILE DATE: 09/02/2005

FILE TIME: 11:13

X CENTROID: 0.066

Y CENTROID: 0.161

POA TO CENTROID: 0.174

HORZ SPREAD: 2.335

VERT SPREAD: 1.913

GROUP SPREAD: 2.532

MIN RADIUS: 0.282

MAX RADIUS: 1.690

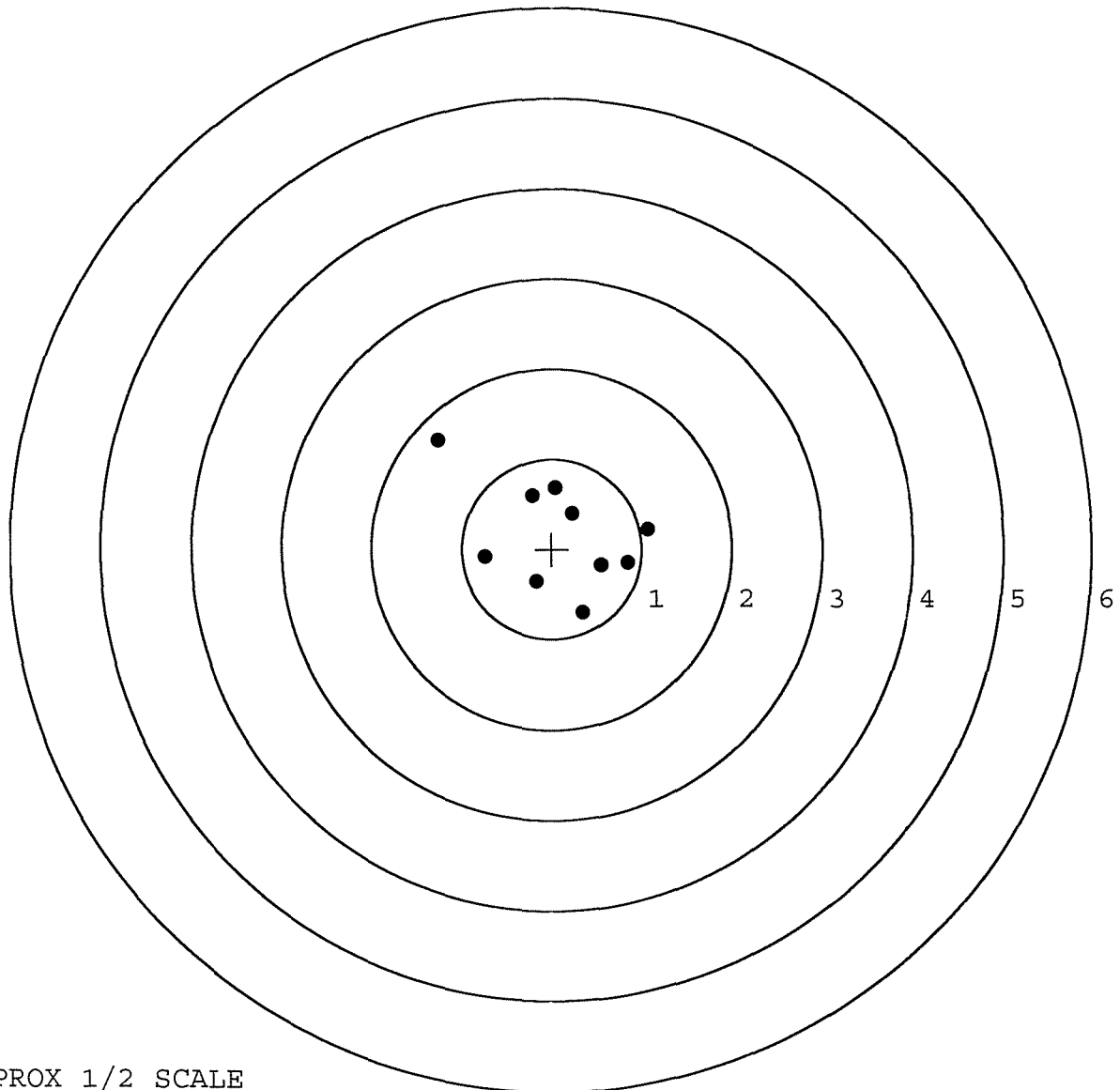
MEAN RADIUS: 0.779

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.071	0.224
2:	0.840	-0.147
3:	0.551	-0.176
4:	0.349	-0.709
5:	-0.180	-0.366
6:	0.224	0.394
7:	0.037	0.682
8:	-0.223	0.595
9:	-1.264	1.204
10:	-0.744	-0.093



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	93006		
SERIAL NUMBER	C6225144		
LOG-IN DATE	2-3-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-17-05	RTL
560 A	RE-BARREL	8-23-05	RTL
B	DRILL AND TAP	8-25-05	TRW
575	ASSEMBLE	8-24-05	RTL
600	PROOF	8-24-05	AC
605	CHECK HEADSPACE	8-24-05	AC
610	DIS-ASSEMBLE GUN	8-25-05	RTL
612	MAGNAFLUX	8/25/05	WMS
615	ROLLMARK CALIBER	8-25-05	CW
618	ROTO-BLAST	8-26-05	LB
620	APPLY COATINGS	8/29/05	RB
625 A	FINAL ASSEMBLY	9-1-05	RTL
B	TRIGGER PULL TEST	9-6-05	AC
C	SAFETY "ON" FORCE	9-6-05	AC
D	SAFETY "OFF" FORCE	9-6-05	AC
E	FIRING PIN INDENT	9-6-05	AC
640	TARGET	9-2-05	TRW
655	FINAL INSPECT	9-6-05	AC
660	PACK	9-10-05	DA
		SHIP DATE	
QAR INSPECTION DATE			

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6225144

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	9 12 88		FB
600	Proof	9 19 88		RW
607	Check Headspace	9 19 88		RW
610	Dis-assemble Gun	9 19 88		RW
612	Magnaflux Barrel Action		9 22 88	p/c.
	Magnaflux Bolt		9 22 88	p/c.
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coating (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		11/15/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/15/88	RW
	C) Inspect Ejector Hole for Chamfer		11/15/88	RW
	D) Oil Firing Pin Ass'y		11/15/88	RW
	E) Adjust Trigger Pull to Min Setting and Stake		15 NOV 88	JIS

BARBER - M24 0049985							
op. #	OP. NAME	READINGS			DATE	INITIAL	
625 cont.	F) Safety On Force	5	5	5	17 NOV 88	JSJ	
	G) Safety Off Force	3	3	3	17 NOV 88	JSJ	
	H) Trigger Pull Test & Retainability				15 NOV 88	JSJ	
	I) Firing Pin Indent	.0205	.0205	.0205	17 NOV 88	JSJ	
	J) Assemble Stock				11/17/88	RW	
	K) Assemble Swivel Studs				6 Dec 88	JSJ	
	L) Attach Front and Rear Sight Assemblies				12/6/88	RW	
	M) Iron Sight Alignment				12/6/88	RW	
	N) Detach Front & Rear Sights & place in numbered container				12/6/88	RW	
	O) Attach Scope to Rifle				11/28/88	WJ	
	P) Detach & Attach Scope 20 Times				11/29/88	WJ	
640	Gallery Target & Test	60 R	92 L	12/5/88	D/H		
	A) Time						
	B) Malfunctions						
	C) Pierced Primers						
	D) Optical Clarity of Scope				12/5/88	D/H	
645	Inspect for Live Ammo				12/5/88	D/H	
655	Final Inspection						
	A) Headspace				6 Dec 88	JSJ	
	B) Trigger Pull	252	271	263	240	230	6 Dec 88
	C) Function				6 Dec 88	WJ	
660	Pack				14 Dec 88	JSJ	

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6225144DATE 15 NOV 88TESTER QDS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.35	2.20	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.21	2.27	2.71	
PULL #3	2.25	2.22	2.33	2.63	
PULL #4	2.12	2.13	2.26	2.40	
PULL #5	2.33	2.23	2.30	2.30	
TOTAL	11.34	11.14	11.36	12.56	
AVG.	2.268	2.228	2.272	2.502	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.04		
PULL #2	3.03	3.08		
PULL #3	3.07	3.07		
PULL #4	3.07	3.11		
PULL #5	3.16	3.07		
TOTAL	15.56	15.37		
AVG.	3.112	3.074		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.13		4.16
PULL #2	4.13	4.10		4.13
PULL #3	4.13	4.07		4.14
PULL #4	4.15	4.08		4.14
PULL #5	4.11	4.08		4.09
TOTAL	20.73	20.36		20.66
AVG.	4.146	4.072		4.132

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225144

CENTROIDAL DISTANCES

0 TO	1	.44056
1 TO	2	.792758
1 TO	3	.781323
1 TO	4	.464462
1 TO	5	.710043

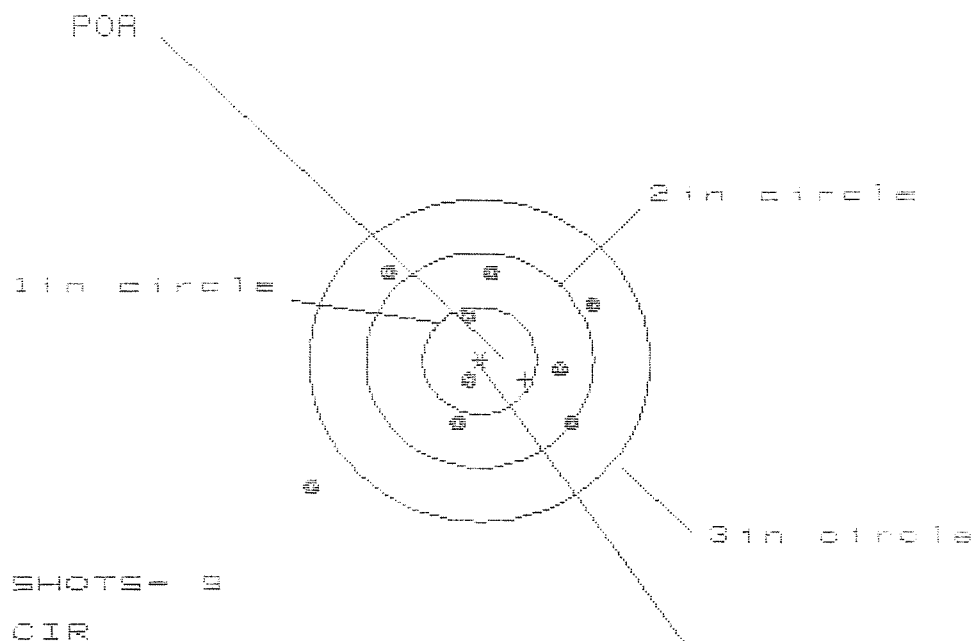
$$\frac{5}{1} + \frac{4}{2}$$
 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0638
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .333
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .339057
 THE AMR FOR THIS RIFLE IS: .9054

6 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225144

CENTERFIRE PATTERNS # 1



OF SHOTS = 9

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.442

VS = 2.071

GS = 3.011

CENTROID #

PATTERN #	1	2	7
SHOTS (BEST OF)	9	8	7
MAXIMUM X	.956	.779	.635
MINIMUM X	-1.486	-.945	-.554
MAXIMUM Y	.869	.718	.758
MINIMUM Y	-1.202	-.758	-.656
CENTROID X	-.403	-.217	-.082
CENTROID Y	.178	.328	.226
POR TO CENTROID in.	.441	.394	.249
MIN RADIUS	.250	.391	.417
MEAN RADIUS	.897	.749	.677
MAX RADIUS	1.911	1.187	.843
HORIZONTAL SPREAD	2.442	1.715	1.189
VERTICAL SPREAD	2.071	1.477	1.486
EXTREME SPREAD	3.011	2.169	1.653
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

6 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06825144

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 7

HS= 2.268

VS= 3.621

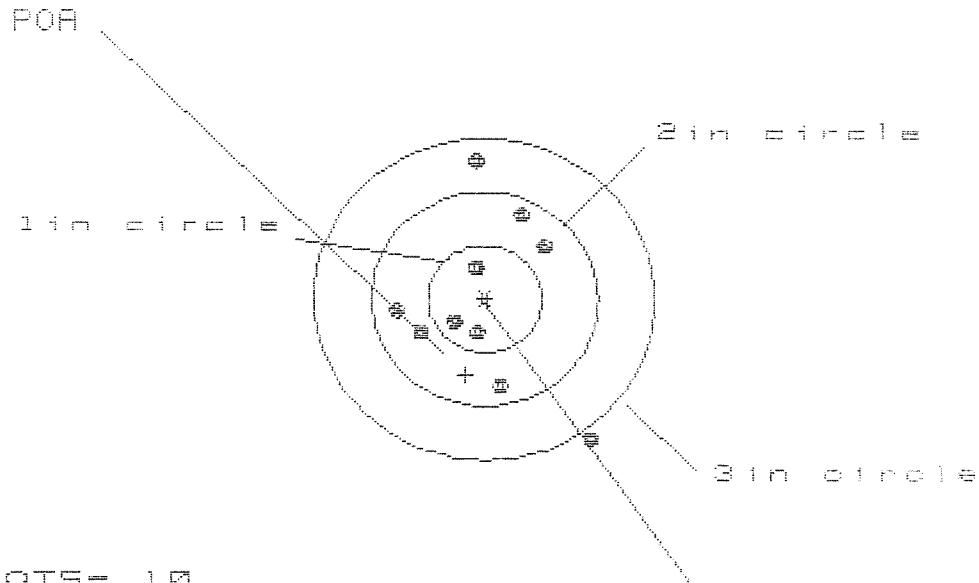
GS= 3.896

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.427	1.132	1.132
MINIMUM X	:	-.841	-.683	-.683
MAXIMUM Y	:	2.008	1.836	1.189
MINIMUM Y	:	-1.613	-1.785	-1.556
CENTROID X	:	.149	-.009	-.009
CENTROID Y	:	-.391	-.219	-.448
POA TO CENTROID in.	:	.419	.219	.448
MIN RADIUS	:	.576	.648	.455
MEAN RADIUS	:	1.196	1.072	.944
MAX RADIUS	:	2.108	1.836	1.564
HORIZONTAL SPREAD	:	2.268	1.815	1.815
VERTICAL SPREAD	:	3.621	3.621	2.745
EXTREME SPREAD	:	3.896	3.624	2.817
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

6 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06285144

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS= 1.660

VS= 2.573

GS= 2.728

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.879	.579	.588
MINIMUM X	:	-.781	-.684	-.675
MAXIMUM Y	:	1.317	1.177	.824
MINIMUM Y	:	-1.256	-.897	-.750
CENTROID X	:	.172	.075	.066
CENTROID Y	:	.707	.846	.699
POA TO CENTROID in.	:	.727	.849	.702
MIN RADIUS	:	.277	.136	.282
MEAN RADIUS	:	.762	.664	.578
MAX RADIUS	:	1.533	1.179	.917
HORIZONTAL SPREAD	:	1.660	1.263	1.263
VERTICAL SPREAD	:	2.573	2.074	1.574
EXTREME SPREAD	:	2.728	2.082	1.581
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08285144

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HM = 2.133

VM = 2.392

GM = 2.396

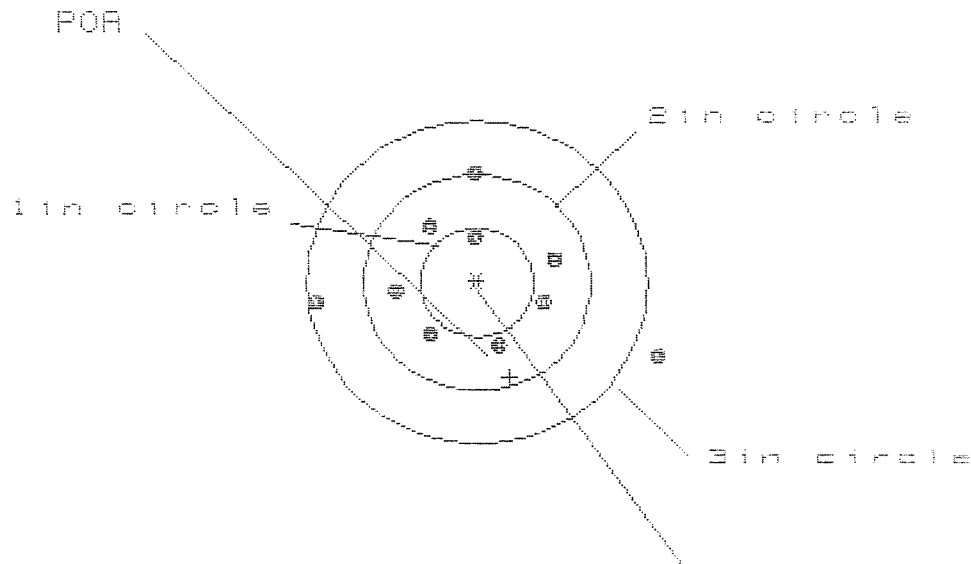
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.879	.870	.712
MINIMUM X	:	-1.254	-1.263	-1.768
MAXIMUM Y	:	1.393	1.153	1.196
MINIMUM Y	:	-.999	-.845	-.882
CENTROID X	:	.047	.056	.214
CENTROID Y	:	.293	.139	.096
POA TO CENTROID in.	:	.297	.158	.234
MIN RADIUS	:	.196	.145	.073
MEAN RADIUS	:	.817	.727	.626
MAX RADIUS	:	1.395	1.308	1.199
HORIZONTAL SPREAD	:	2.133	2.133	1.480
VERTICAL SPREAD	:	2.392	1.998	1.998
EXTREME SPREAD	:	2.396	2.191	2.054
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

6 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08285144

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 8

3 in = 9

HS = 2.991

VS = 1.698

GS = 3.030

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.553
MINIMUM X	-1.438
MAXIMUM Y	.999
MINIMUM Y	-.699
CENTROID X	-.284
CENTROID Y	.878
POA TO CENTROID in.	.923
MIN RADIUS	.411
MEAN RADIUS	.855
MAX RADIUS	1.703
HORIZONTAL SPREAD	2.991
VERTICAL SPREAD	1.698
EXTREME SPREAD	3.030
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	9