

C6348822

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

* Includes 1 in chamber.



Smead®

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

DUPONT

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

MODEL 700TM M24

SERIAL NO. C6348822

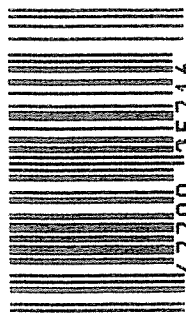
ORDER NO. 5716

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



5716 C6348822

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348822

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 11	89	RW
600	Proof	7 11	89	RW
607	Check Headspace	7 11	89	RW
610	Dis-assemble Gun	7 11	89	RW
612	Magnaflux Barrel Action		7/13	KCR
	Magnaflux Bolt		7/13	KCR
615	Rollmark Caliber		7/13	SS
617	Drill and Tap Sight Holes	7 13	89	FB
618	Polish Barrel RB	7 13	89	BT
620	Apply Coatings (Barrel Action)		7/21/89	TSB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/25/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/25/89	RW
	C) Inspect Ejector Hole for Chamfer		7/25/89	RW
	D) Oil Firing Pin Ass'y		7/25/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1 Aug 89	SS

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5	1 aug 89	JS
	G) Safety Off Force	4	4	4	1 aug 89	JS
	H) Trigger Pull Test & Retainability				1 aug 89	JS
	I) Firing Pin Indent	.021	.021	.0205	1 aug 89	JS
	J) Assemble Stock				8/4/89	RW
	K) Assemble Swivel Studs				7 Aug 89	JS
	L) Attach Front and Rear Sight Assemblies				8/4/89	RW
	M) Iron Sight Alignment				8/4/89	RW
	N) Detach Front & Rear Sights & place in numbered container				8/4/89	RW
	O) Attach Scope to Rifle				8/4/89	JS
	P) Detach & Attach Scope 20 Times				8/4/89	JS
640	Gallery Target & Test	115 R	37 L		8-7-89	DH
	A) Time				8-7-89	DH
	B) Malfunctions				8-7-89	DH
	C) Pierced Primers				8-7-89	DH
	D) Optical Clarity of Scope				8-7-89	DH
645	Inspect for Live Ammo				8-7-89	DH
655	Final Inspection				7 Aug 89	JS
	A) Headspace				7 Aug 89	JS
	B) Trigger Pull	293	293	295	7 Aug 89	JS
	C) Function				7 Aug 89	JS
660	Pack				20 Sept 89	JS

repaired stock at front service 13 Sept. 89

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6348822DATE 11/2/80TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.31	2.30		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.33	2.29		
PULL #3	2.32	2.28	2.29		
PULL #4	2.34	2.31	2.28		
PULL #5	2.37	2.28	2.27		
TOTAL	11.96	11.51	11.43		
AVG.	2.39	2.30	2.28		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.08	3.11		
PULL #2	3.13	3.00		
PULL #3	3.16	3.11		
PULL #4	3.15	3.08		
PULL #5	3.18	3.12		
TOTAL	15.70	15.41		
AVG.	3.14	3.08		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.08	4.06		
PULL #2	4.05	4.00		
PULL #3	3.97	3.98		
PULL #4	4.01	3.99		
PULL #5	3.98	4.01		
TOTAL	20.09	20.04		
AVG.	4.02	4.01		

CENTROIDAL DISTANCE CALCULATIONS
 OF RIFLE # 06348822
 2 Aug 1989

CENTROIDAL DISTANCES

0 TO	1	.851127
1 TO	2	.264252
1 TO	3	.707874
1 TO	4	.219447
1 TO	5	.868337

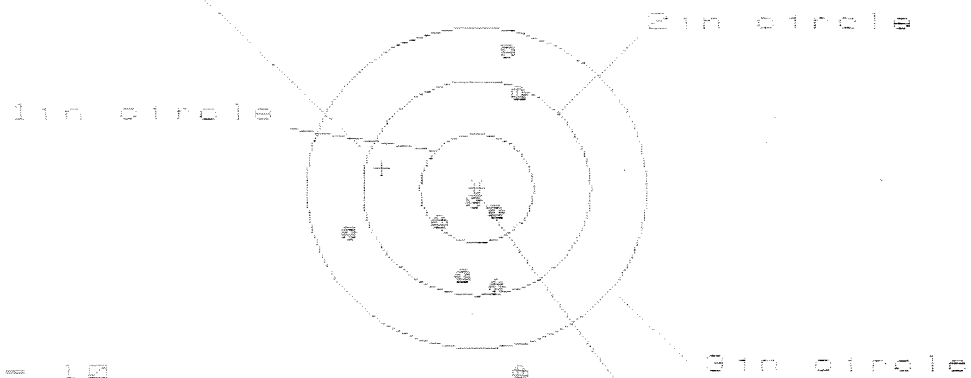
$\bar{x} = \frac{\sum x_i}{n}$

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .6254
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1234
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .637458
 THE AMR FOR THIS RIFLE IS: .9612

FILE:/PATTERNING/CENTERFIRE_PATT/06346822

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 1.471

VS= 3.932

GS= 3.932

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.371	.404	.449
MINIMUM X	-1.100	-1.067	-1.022
MAXIMUM Y	2.215	1.482	1.298
MINIMUM Y	-1.717	-1.471	-1.869
CENTROID X	.831	.798	.753
CENTROID Y	-.184	-.430	-.246
POR TO CENTROID in.	.851	.906	.792
MIN RADIUS	.079	.176	.043
MEAN RADIUS	.994	.810	.724
MAX RADIUS	2.235	1.519	1.352
HORIZONTAL SPREAD	1.471	1.471	1.471
VERTICAL SPREAD	3.932	2.953	2.167
EXTREME SPREAD	3.932	2.953	2.169
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

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WILDFIRE PATTERNS # 2

[illegible]

#IN CIRE

Figure 1 shows five Feynman diagrams labeled (a) through (e). Diagrams (a) and (b) show s-channel production of a photon and a Z boson, respectively, via quark-antiquark annihilation. Diagrams (c) and (d) show s-channel production of a photon and a Z boson, respectively, via gluon fusion. Diagram (e) shows t-channel production of a photon and a Z boson via quark exchange.

211-5

$$\begin{aligned} \text{E} &= \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} \\ \text{I} &= \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} \end{aligned}$$

The figure displays ten chemical structures, labeled 1 through 10, representing various polyimides and polybenzoxazines. Structures 1-5 are polyimides, and structures 6-10 are polybenzoxazines. The structures are shown as repeating units within brackets, with bonds extending through the brackets to indicate the polymer chain continuation.

Figure 1: Schematic representation of the experimental design. The diagram shows a sequence of events: a subject enters a room, a door is closed, and a light is turned on. The subject then interacts with a computer screen displaying a stimulus. The screen shows a sequence of stimuli: a fixation cross, a target stimulus, and a response button. The subject's response is recorded, and the trial ends. The diagram is labeled with 'Stimulus' and 'Response'.

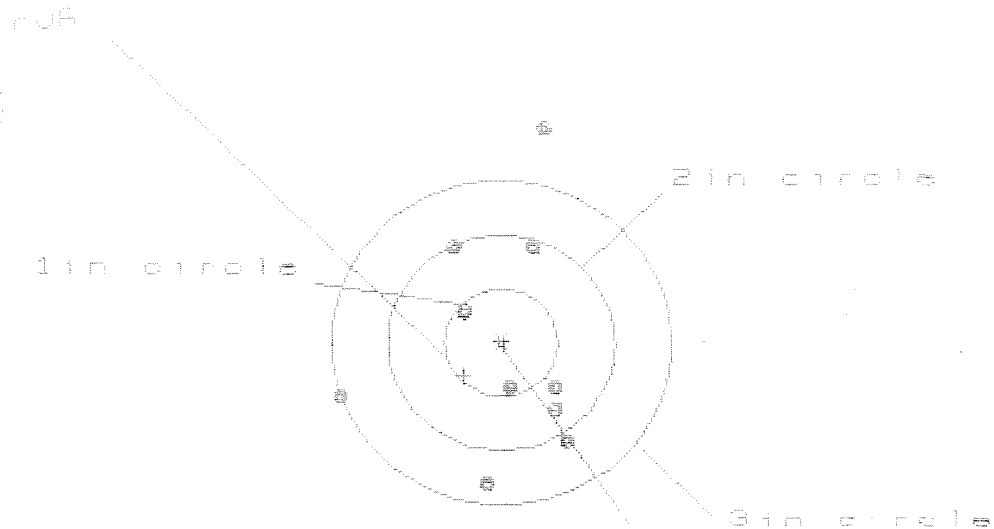
Figure 1: Schematic representation of the experimental design. The figure is divided into two main sections: 'Pretest' and 'Main Experiment'. The 'Pretest' section shows a flow from 'Pretest' to 'Pretest Results' (a bar chart showing 'Pretest Results' for 'Pretest' and 'Posttest' conditions). The 'Main Experiment' section shows a flow from 'Main Experiment' to 'Main Experiment Results' (a bar chart showing 'Main Experiment Results' for 'Pretest' and 'Posttest' conditions). The 'Main Experiment Results' bar chart shows a significant difference between 'Pretest' and 'Posttest' conditions, with 'Posttest' being significantly higher. The 'Main Experiment Results' bar chart also includes a 'Significance' label indicating a significant difference between the two conditions.

[illegible]

PATTERN #	:	2	:
SHOTS (BEST OF)	:	10	9
MAXIMUM X	:	1.498	.992
MINIMUM X	:	-1.176	-1.009
MAXIMUM Y	:	1.021	1.115
MINIMUM Y	:	-1.055	-.961
CENTROID X	:	.656	.489
CENTROID Y	:	.014	-.080
FOR TO CENTROID in.	:	.656	.496
MIN RADIUS	:	.119	.271
MEAN RADIUS	:	.937	.853
MAX RADIUS	:	1.720	1.504
HORIZONTAL SPREAD	:	2.674	2.001
VERTICAL SPREAD	:	2.076	2.076
EXTREME SPREAD	:	3.116	2.453
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	8	

FILE: \PATTERNING\CENTERFIRE_PATT\06348822

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 8

HS = 1.931

VS = 3.274

GS = 3.317

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.557	.600	.434
MINIMUM X	-1.374	-1.331	-1.569
MAXIMUM Y	2.007	1.136	1.103
MINIMUM Y	-1.267	-1.044	-1.077
CENTROID X	.324	.281	.447
CENTROID Y	.310	.087	.121
POB TO CENTROID in.	.449	.294	.463
MIN RADIUS	.434	.255	.239
MEAN RADIUS	1.006	.856	.765
MAX RADIUS	2.044	1.358	1.228
HORIZONTAL SPREAD	1.931	1.931	1.003
VERTICAL SPREAD	3.274	2.180	2.180
EXTREME SPREAD	3.317	2.223	2.223
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

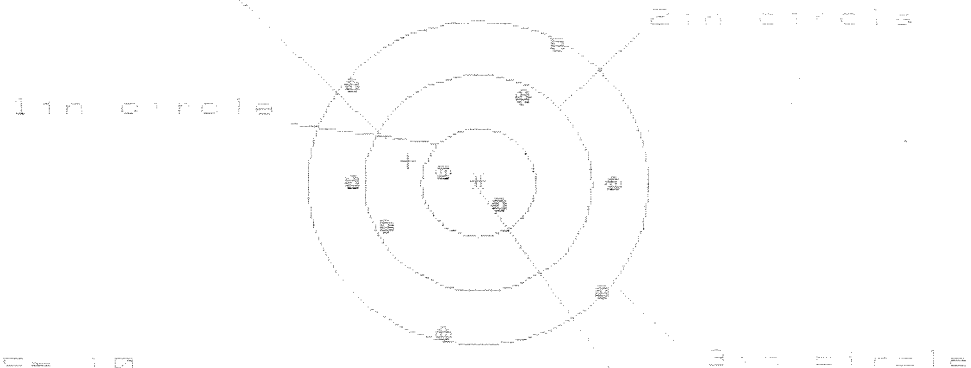
535

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CENTERFIRE PATTERNS

4

POR



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 2.314

VS= 2.694

GS= 2.911

CENTROID +

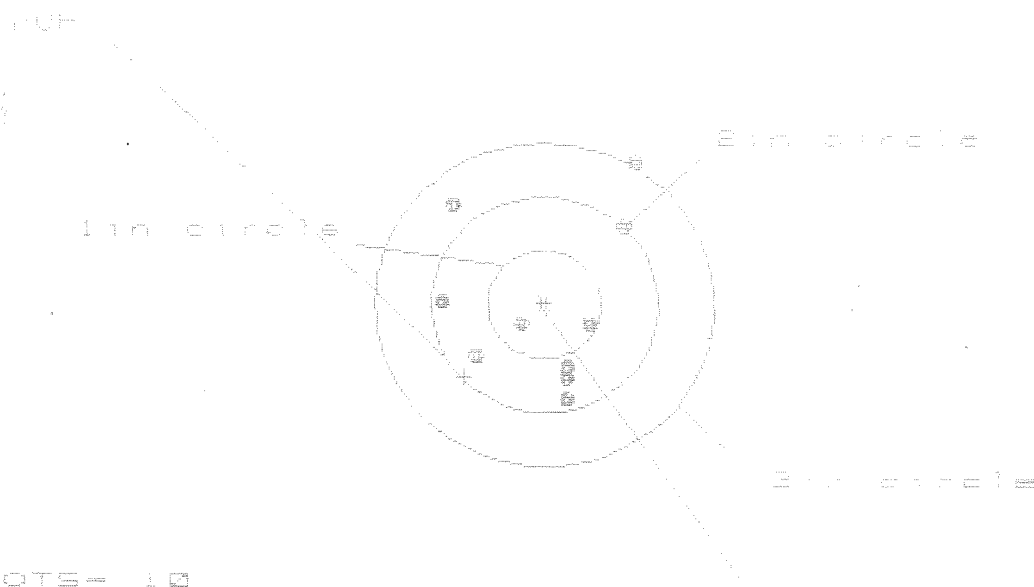
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.169	1.295	1.401
MINIMUM X	-1.145	-1.019	-.913
MAXIMUM Y	1.283	1.169	.915
MINIMUM Y	-1.411	-1.525	-1.379
CENTROID X	.612	.486	.386
CENTROID Y	-.198	-.084	-.230
POR TO CENTROID in.	.643	.493	.444
MIN RADIUS	.260	.165	.137
MEAN RADIUS	1.045	.976	.896
MAX RADIUS	1.530	1.535	1.401
HORIZONTAL SPREAD	2.314	2.314	2.314
VERTICAL SPREAD	2.694	2.694	2.294
EXTREME SPREAD	2.911	2.882	2.418
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

-583

FILE: PATTERNS/CENTERFIRE_PATT-06548082

CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 1.679

VS= 2.197

GS= 2.268

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.794	.755	.669
MINIMUM X	-.885	-.757	-.883
MAXIMUM Y	1.297	1.027	1.020
MINIMUM Y	-.900	-.756	-.627
CENTROID X	.704	.616	.702
CENTROID Y	.675	.531	.402
POA TO CENTROID in.	.975	.813	.809
MIN RADIUS	.231	.075	.189
MEAN RADIUS	.824	.700	.605
MAX RADIUS	1.521	1.237	1.220
HORIZONTAL SPREAD	1.679	1.552	1.552
VERTICAL SPREAD	2.197	1.783	1.647
EXTREME SPREAD	2.268	2.047	1.753
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

a. SUBMITTED BY <i>enr/fell</i>		35a. ACCEPTED BY		36a. WORK STARTED BY		37a. INSPECTED BY		38a. PICKED UP BY					
b. ORD DATE <i>080908</i>		35b. STA <i>00000</i>	35c. ORD DATE <i>00000</i>	35d. MIL TIME <i>0000</i>	36b. STA <i>00000</i>	36c. ORD DATE <i>00000</i>	36d. MIL TIME <i>0000</i>	37b. STA <i>00000</i>	37c. ORD DATE <i>00000</i>	37d. MIL TIME <i>0000</i>	38b. STA <i>00000</i>	38c. ORD DATE <i>00000</i>	38d. MIL TIME <i>0000</i>

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: RE00131873
Verify Repair

Serial: C6348822
Model M24 SWS
Center Fire
Caliber: 7.62 NATO

Repairman:
Status: Closed 7/30/2007 10:56:07 AM

Address Information

Customer:
Received From

Return To:
Received From

Name: A CO 1/10SF BN

Address 1: PANZER KASERNE

Address 2: APO
PO Box:

City: WH0940

State: AE
Zip Code: 09107
Country: IT

Name: A CO 1/10SF BN

Address 1: PANZER KASERNE

Address 2: APO
PO Box:

City: WH0940

State: AE
Zip Code: 09107
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
A007	With Stud	3
A057	Fit and Rear Sgt Base	1

Repair Search
Refresh
Close

nagletj
7/30/2007
12:49 PM
CAPS
NUM
INS
SCRL

start
4 Micro...
6 Inter...
RAC0179...
Part Sear...
Arms Ser...
12:49 PM

Serial Number:
C6348822

Model: M24 SWS



RE00131873

R & E NUMBER

131873

SERIAL NUMBER

C6348822

LOG-IN DATE

7-30-07

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-27-07	RTZ
505	RE-BARREL	9-14-07	RTZ
560	ASSEMBLE	9-14-07	RTZ
600	PROOF	9-14-07	RTZ
605	CHECK HEADSPACE	9-14-07	RTZ
610	DIS-ASSEMBLE GUN	9-17-07	TRW
612	MAGNAFLUX	9-18-07	RTZ
510	DRILL AND TAP	9-17-07	TRW
615	ROLLMARK CALIBER	9-17-07	CW
618	ROTO-BLAST	9-18-07	RTZ
620	APPLY COATINGS	9-21-07	RTZ
625	FINAL ASSEMBLY	9-26-07	RTZ
640	FUNCTION TEST AND	PASS FAIL 9-26-07	TRW
650	TARGET	PASS FAIL 9-26-07	TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9-26-07	BWD
	A) HEADSPACE	PASS FAIL 9-27-07	RTZ
	B) TRIGGER PULL	2.54 2.56 2.59 2.64 2.64 9-27-07	DA
680	F) SAFETY ON FORCE	3.50 3.75 3.75 9-27-07	DA
	G) SAFETY OFF FORCE	2.5 2.5 2.5 9-27-07	DA
	I) FIRING PIN INDENT	.022 .022 .023 9-27-07	DA
690	PACK	10-4-07	DA

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348822.___0

FILE DATE AND TIME: 09/27/2007 05:38

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.075
The Average Y Centroid of the Five Target Set:	0.186
The Average Point of Impact of the Five Target Set:	0.200
The Average Mean Radius of the Five Target Set:	1.021
The Distance from POA to Centroid Target #1:	0.031
The Distance from Centroid Target #2 to Centroid Target #1:	0.640
The Distance from Centroid Target #3 to Centroid Target #1:	0.465
The Distance from Centroid Target #4 to Centroid Target #1:	0.006
The Distance from Centroid Target #5 to Centroid Target #1:	0.063

SERIAL NUMBER: C6348822.____0

TARGET NUMBER: 1

FILE DATE: 09/27/2007

FILE TIME: 05:38

X CENTROID: 0.031

Y CENTROID: -0.004

POA TO CENTROID: 0.031

HORZ SPREAD: 3.475

VERT SPREAD: 1.779

GROUP SPREAD: 3.606

MIN RADIUS: 0.128

MAX RADIUS: 1.908

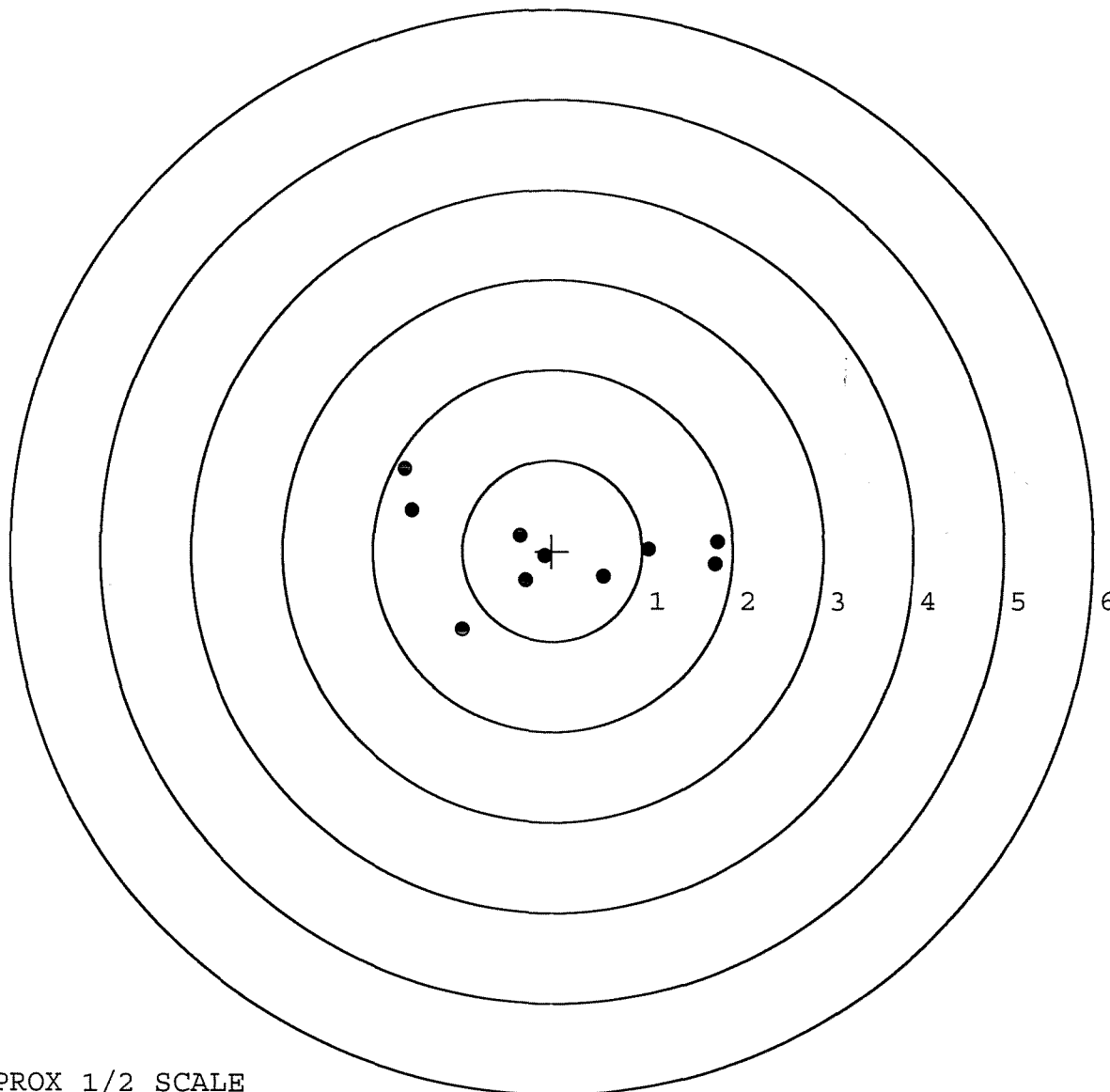
MEAN RADIUS: 1.117

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 6

POINT#	X	Y
1:	1.827	0.112
2:	1.803	-0.145
3:	1.069	0.020
4:	0.571	-0.286
5:	-1.001	-0.877
6:	-0.296	-0.330
7:	-0.085	-0.058
8:	-0.358	0.172
9:	-1.570	0.450
10:	-1.648	0.902

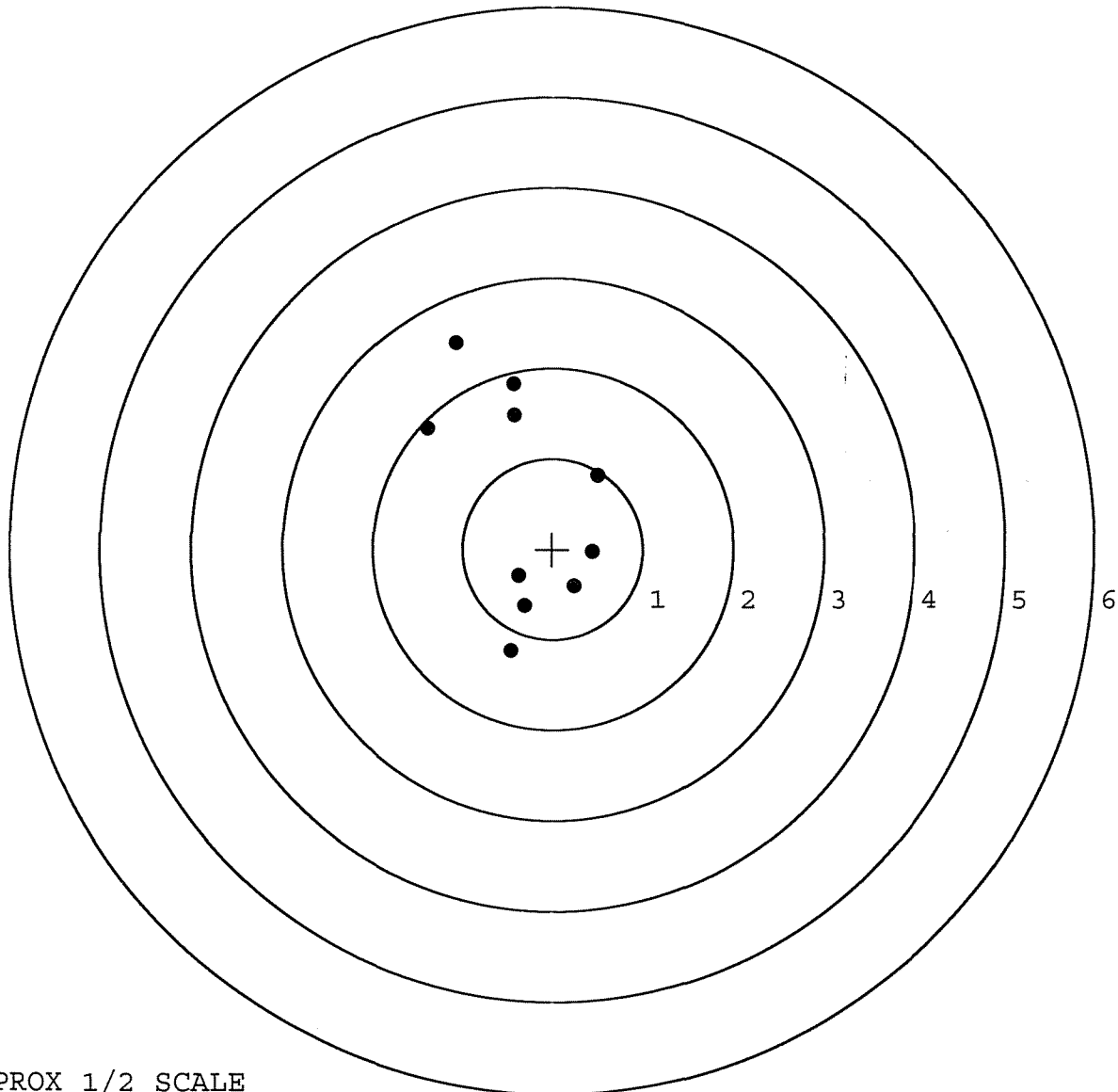


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348822.____0
 TARGET NUMBER: 2
 FILE DATE: 09/27/2007
 FILE TIME: 05:38

X CENTROID: -0.331
 Y CENTROID: 0.523
 POA TO CENTROID: 0.619
 HORZ SPREAD: 1.900
 VERT SPREAD: 3.402
 GROUP SPREAD: 3.457
 MIN RADIUS: 0.820
 MAX RADIUS: 1.904
 MEAN RADIUS: 1.207
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 4
 # in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.465	-1.128
2:	-0.312	-0.632
3:	-0.374	-0.295
4:	0.240	-0.408
5:	0.444	-0.030
6:	0.501	0.820
7:	-0.430	1.480
8:	-0.436	1.823
9:	-1.399	1.331
10:	-1.080	2.274



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348822. 0

TARGET NUMBER: 3

FILE DATE: 09/27/2007

FILE TIME: 05:38

X CENTROID: -0.085

Y CENTROID: 0.446

POA TO CENTROID: 0.454

HORZ SPREAD: 1.522

VERT SPREAD: 3.783

GROUP SPREAD: 3.860

MIN RADIUS: 0.464

MAX RADIUS: 2.710

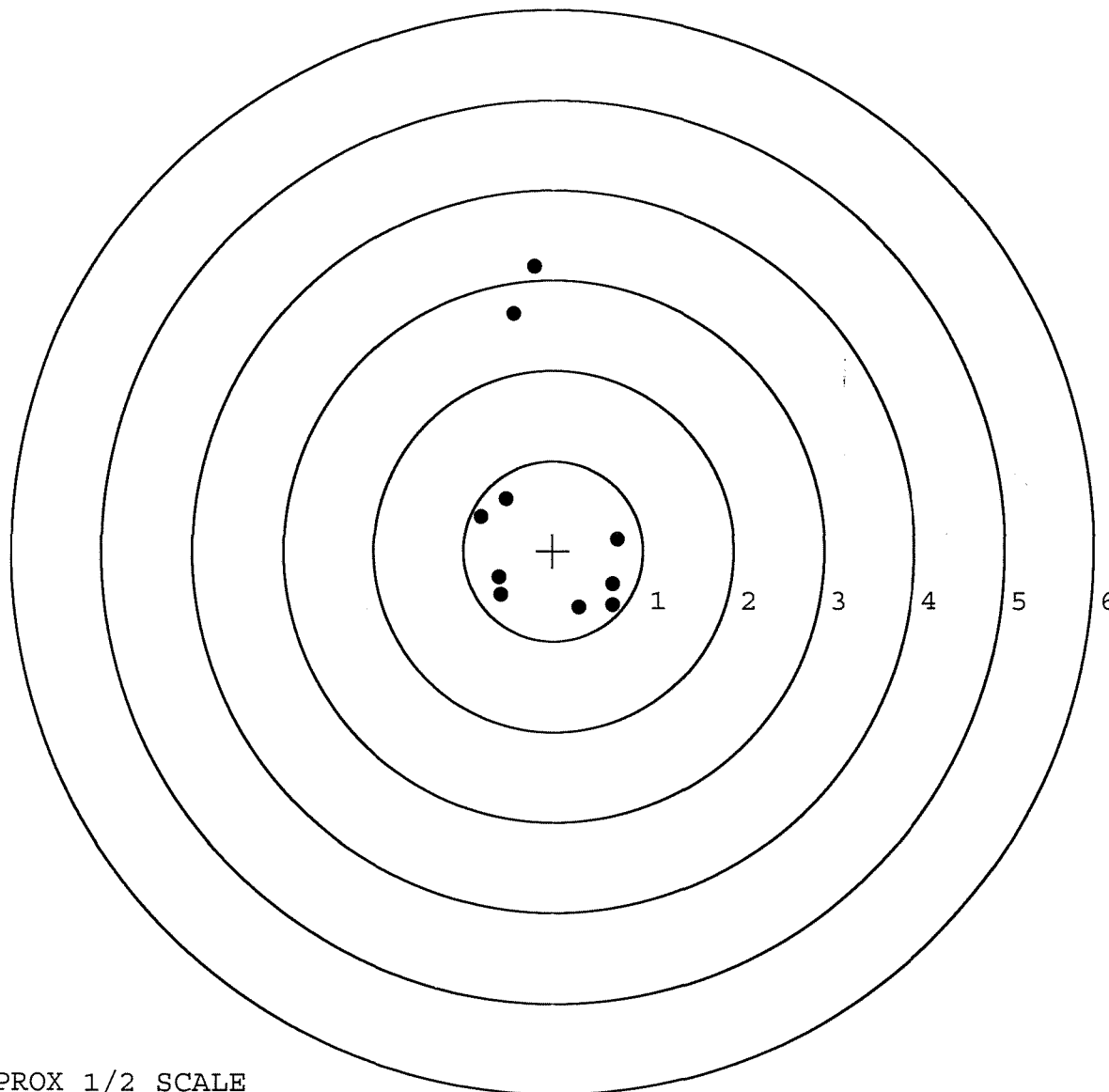
MEAN RADIUS: 1.248

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.291	-0.630
2:	0.664	-0.606
3:	0.660	-0.370
4:	0.716	0.127
5:	-0.583	-0.492
6:	-0.604	-0.297
7:	-0.806	0.379
8:	-0.531	0.574
9:	-0.444	2.626
10:	-0.212	3.153

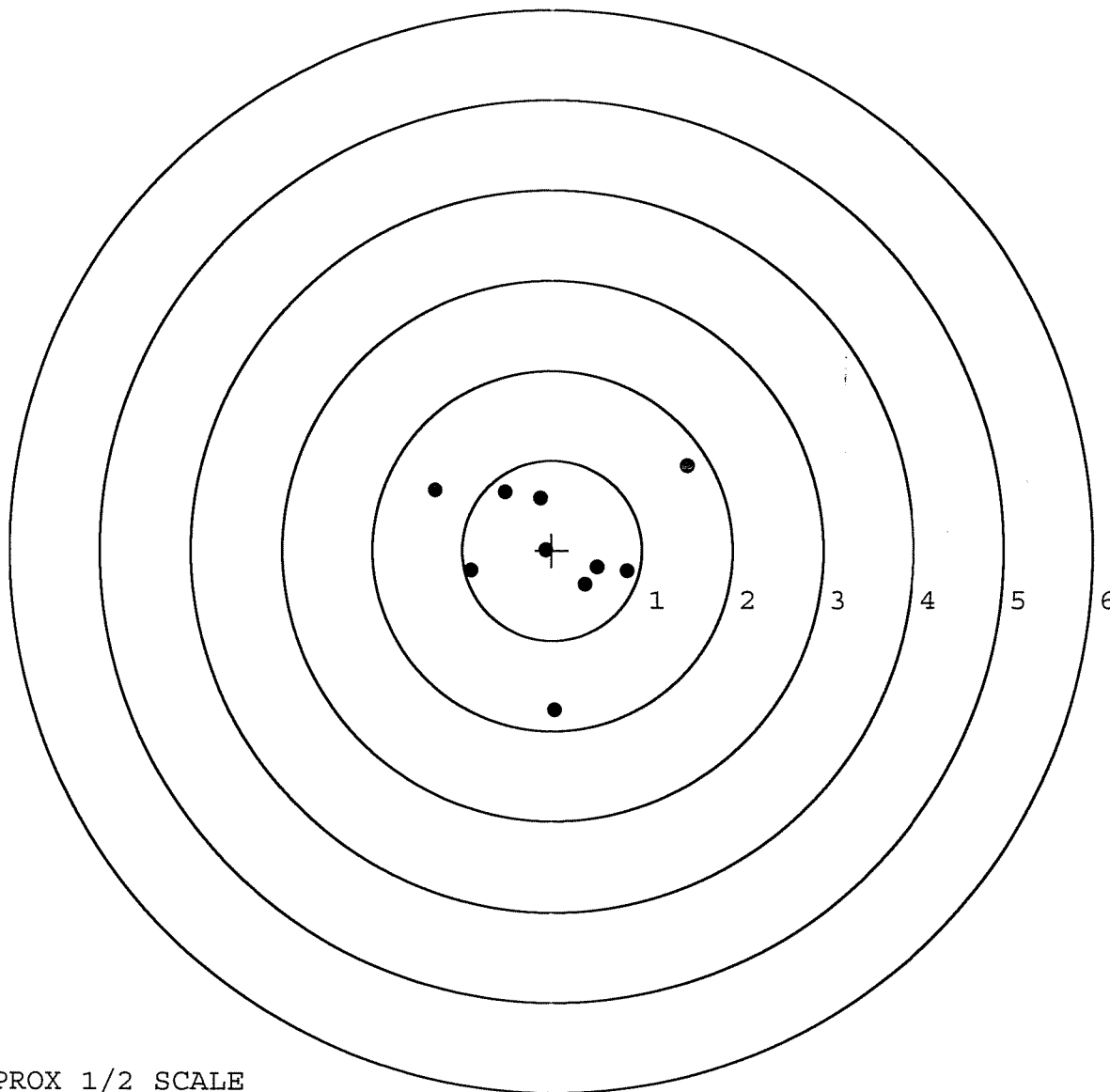


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348822. __0
 TARGET NUMBER: 4
 FILE DATE: 09/27/2007
 FILE TIME: 05:38

X CENTROID: 0.031
 Y CENTROID: 0.002
 POA TO CENTROID: 0.031
 HORZ SPREAD: 2.804
 VERT SPREAD: 2.719
 GROUP SPREAD: 3.088
 MIN RADIUS: 0.103
 MAX RADIUS: 1.779
 MEAN RADIUS: 0.938
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.836	-0.229
2:	0.505	-0.191
3:	0.367	-0.386
4:	-0.072	0.005
5:	-0.901	-0.229
6:	-0.129	0.577
7:	-0.523	0.642
8:	-1.305	0.665
9:	1.499	0.942
10:	0.035	-1.777



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348822. __0

TARGET NUMBER: 5

FILE DATE: 09/27/2007

FILE TIME: 05:38

X CENTROID: -0.021

Y CENTROID: -0.039

POA TO CENTROID: 0.044

HORZ SPREAD: 1.866

VERT SPREAD: 1.174

GROUP SPREAD: 1.911

MIN RADIUS: 0.117

MAX RADIUS: 1.009

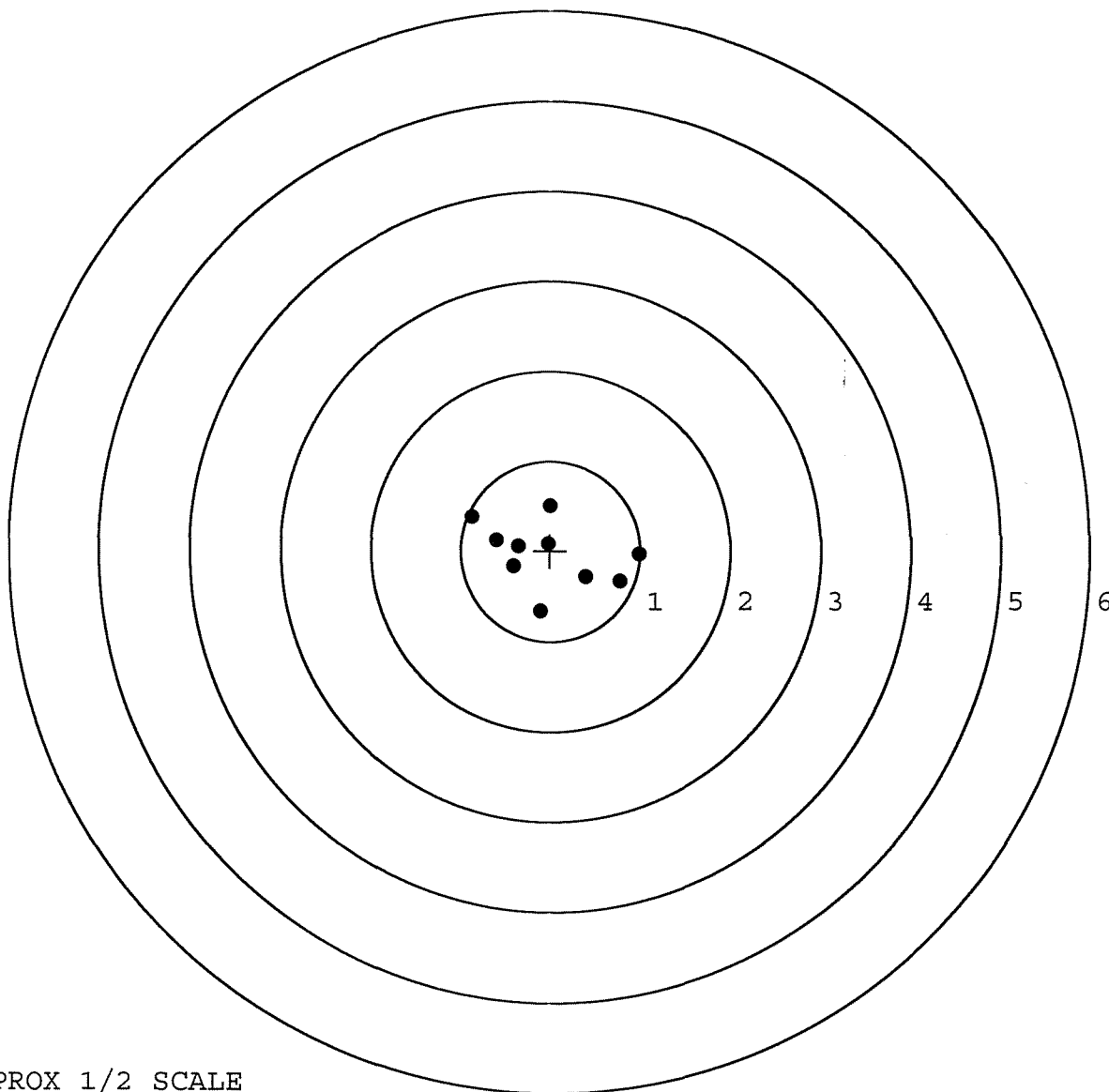
MEAN RADIUS: 0.595

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.988	-0.039
2:	0.775	-0.335
3:	0.394	-0.292
4:	-0.111	-0.668
5:	0.012	0.506
6:	-0.878	0.374
7:	-0.601	0.114
8:	-0.021	0.078
9:	-0.411	-0.175
10:	-0.356	0.051



TARGET APPROX 1/2 SCALE