

C6522308

MODEL 700™ M24

Model **S&S**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



MOD. _____ GA. _____ GUN. # C6527308
 CAL. _____

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	here we go again the mag. box	TS
	2nd	will not hold 5 Rds	TS
	3rd	adjust Box chgd Follower	84 OK
	4th		
		FUNCTION	RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522308

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/9/90	KA
600	Proof		7/9/90	KA
607	Check Headspace		7/9/90	KA
610	Dis-assemble Gun		7/9/90	KA
612	Magnaflux Barrel Action		7/17/90	KR
	Magnaflux Bolt		7/17/90	KR
615	Rollmark Caliber		7/17/90	LS.
617	Drill and Tap Sight Holes		7/23/90	KB
618	Polish Barrel AB		7/24/90	WB
620	Apply Coatings (Barrel Action)		7/26/90	KA
	Apply Coating (Bolt)			KA
625	Final Assembly		8/15/90	KS
	A) Clean inside of Bolt Assembly		8/15/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/15/90	KS
	C) Inspect Ejector Hole for Chamfer		8/15/90	KS
	D) Oil Firing Pin Ass'y		8/15/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		9-14-90	KA

BARBER - M24 0004949

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			8/16/90	92
	G) Safety Off Force	3	3	3			8/16/90	92
	H) Trigger Pull Test & Retainability						9-14-90	84
	I) Firing Pin Indent	.023	.023	.023			8/16/90	94
	J) Assemble Stock						8/16/90	KS
	K) Assemble Swivel Studs						9/15/90	92
	L) Attach Front and Rear Sight Assemblies						8/16/90	KS
	M) Iron Sight Alignment						8/16/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/16/90	KS
	O) Attach Scope to Rifle						8/16/90	KS
	P) Detach & Attach Scope 20 Times						8/16/90	KS
640	Gallery Target & Test						8-17-90	A
	A) Time						"	A
	B) Malfunctions						"	A
	C) Pierced Primers						"	A
	D) Optical Clarity of Scope						"	A
645	Inspect for Live Ammo						8-17-90	A
655	Final Inspection							
	A) Headspace						9/15/90	92
	B) Trigger Pull	2-30	2-45	2-15	2-36	2-34	9-14-90	92
	C) Function						9/15/90	92
660	Pack						2/19/90	15

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO C6522308DATE 9-14-90TESTER JE

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.19	2.39	2.30	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.28	2.35	2.45	
PULL #3	2.36	2.37	2.35	2.15	
PULL #4	2.49	2.37	2.45	2.36	
PULL #5	2.39	2.29	2.38	2.34	
TOTAL	12.19	11.50	11.92	11.60	
AVG.	2.438	2.3	2.384	2.32	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.15		
PULL #2	3.14	3.38		
PULL #3	3.31	3.31		
PULL #4	3.26	3.32		
PULL #5	3.23	3.33		
TOTAL	16.06	16.49		
AVG.	3.212	3.298		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.30		4.22
PULL #2	4.50	4.26		4.29
PULL #3	4.31	4.38		4.27
PULL #4	4.19	4.36		4.28
PULL #5	4.26	4.31		4.28
TOTAL	21.38	21.61		21.34
AVG.	4.276	4.322		4.268

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522308
17 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.129283
1 TO	2	.231054
1 TO	3	.400371
1 TO	4	.19601
1 TO	5	.16261

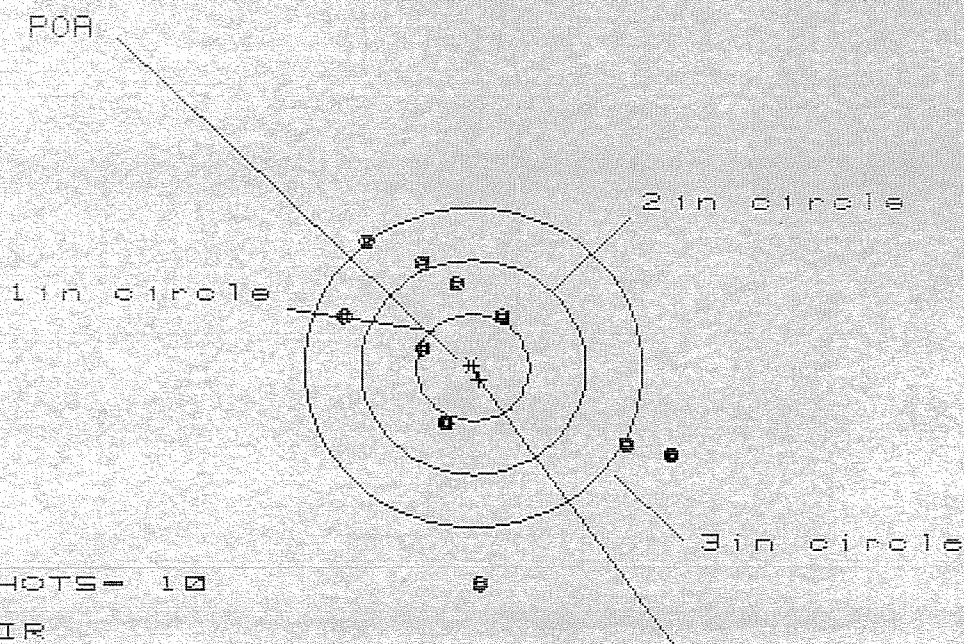
3
34 (----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0926
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0384
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .100246
THE AMR FOR THIS RIFLE IS: 1.023

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522308

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 2.853

VS= 3.142

GS= 3.273

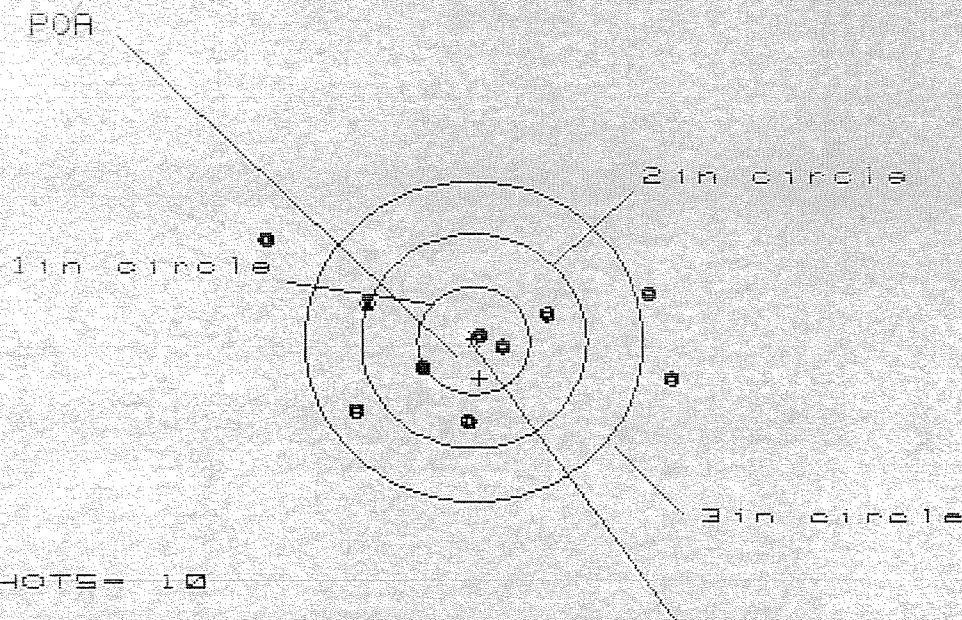
CENTROID #

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.716	1.718	1.551
MINIMUM X	:	-1.137	-1.135	-.920
MAXIMUM Y	:	1.155	.934	.806
MINIMUM Y	:	-1.987	-1.029	-1.059
CENTROID X	:	-.055	-.057	-.271
CENTROID Y	:	.117	.338	.466
POA TO CENTROID in.	:	.129	.342	.540
MIN RADIUS	:	.424	.373	.266
MEAN RADIUS	:	1.149	1.009	.821
MAX RADIUS	:	1.987	2.002	1.879
HORIZONTAL SPREAD	:	2.853	2.853	2.472
VERTICAL SPREAD	:	3.142	1.963	1.865
EXTREME SPREAD	:	3.273	3.267	2.907
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	7		

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522300

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 7

HS= 3.687

VS= 1.632

GS= 3.898

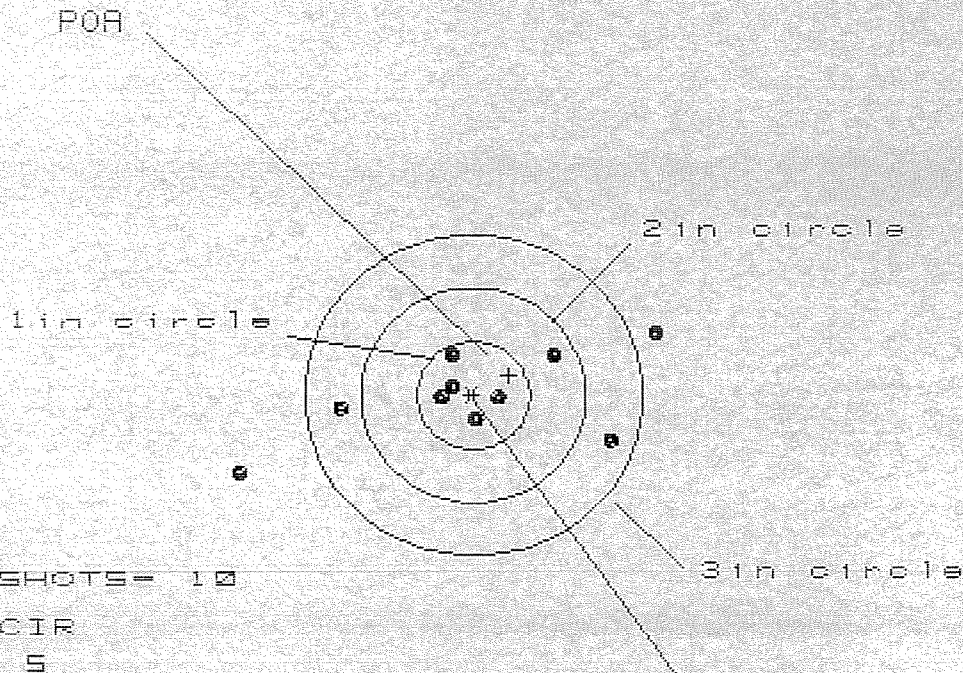
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.792	1.581	1.544
MINIMUM X	:	-1.895	-1.234	-1.036
MAXIMUM Y	:	.912	.503	.471
MINIMUM Y	:	-.720	-.619	-.651
CENTROID X	:	-.050	.161	-.037
CENTROID Y	:	.348	.247	.279
POA TO CENTROID in.	:	.352	.295	.281
MIN RADIUS	:	.046	.116	.102
MEAN RADIUS	:	1.007	.880	.767
MAX RADIUS	:	2.103	1.601	1.614
HORIZONTAL SPREAD	:	3.687	2.815	2.580
VERTICAL SPREAD	:	1.632	1.122	1.122
EXTREME SPREAD	:	3.898	2.842	2.787
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522308

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 5

2in = 6

3in = 8

HS = 3.722

VS = 1.331

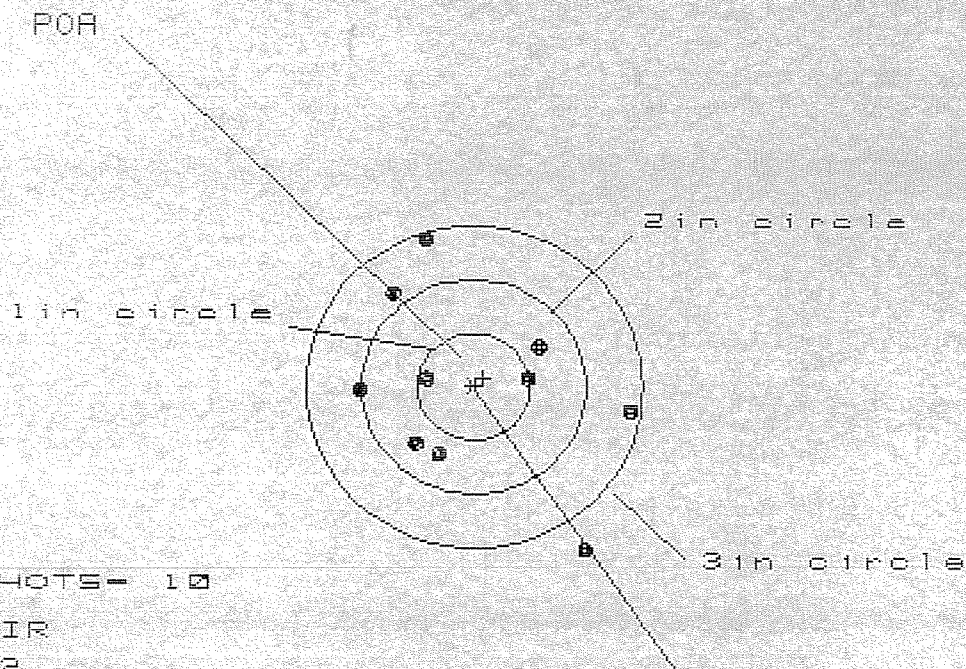
GS = 3.953

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.611	1.377	1.180
MINIMUM X	:	-2.111	-1.447	-1.275
MAXIMUM Y	:	.611	.531	.402
MINIMUM Y	:	-.720	-.493	-.426
CENTROID X	:	-.319	-.085	-.257
CENTROID Y	:	-.184	-.104	-.171
POA TO CENTROID in.	:	.369	.134	.308
MIN RADIUS	:	.180	.142	.190
MEAN RADIUS	:	.865	.728	.591
MAX RADIUS	:	2.230	1.476	1.279
HORIZONTAL SPREAD	:	3.722	2.824	2.455
VERTICAL SPREAD	:	1.331	1.024	.828
EXTREME SPREAD	:	3.953	2.908	2.477
NUMBER IN ONE INCH CIRCLE	=	5		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	8		

12 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522388

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS = 2.437

VS = 2.900

GS = 3.224

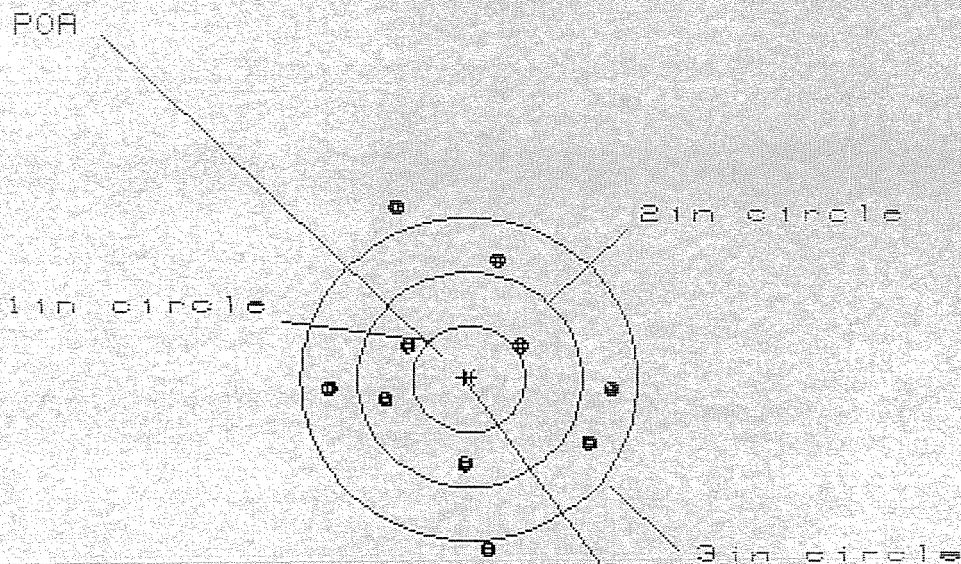
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.425	1.535	1.495
MINIMUM X	:	-1.012	-.902	-.942
MAXIMUM Y	:	1.392	1.225	.871
MINIMUM Y	:	-1.508	-.766	-.613
CENTROID X	:	-.083	-.193	-.153
CENTROID Y	:	-.077	.090	-.063
POA TO CENTROID in.	:	.114	.213	.165
MIN RADIUS	:	.454	.349	.401
MEAN RADIUS	:	.988	.882	.821
MAX RADIUS	:	1.799	1.587	1.516
HORIZONTAL SPREAD	:	2.437	2.437	2.437
VERTICAL SPREAD	:	2.900	1.991	1.484
EXTREME SPREAD	:	3.224	2.467	2.446
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

17 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522308

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 4

3 in = 8

HS= 2.552

VS= 3.197

GS= 3.290

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.274	1.207	1.220
MINIMUM X	-1.278	-1.345	-1.332
MAXIMUM Y	1.572	1.315	1.133
MINIMUM Y	-1.625	-1.450	-1.762
CENTROID X	.044	.111	.098
CENTROID Y	-.012	-.187	-.006
POA TO CENTROID in.	.046	.217	.098
MIN RADIUS	.563	.591	.512
MEAN RADIUS	1.105	1.033	.966
MAX RADIUS	1.685	1.454	1.338
HORIZONTAL SPREAD	2.552	2.552	2.552
VERTICAL SPREAD	3.197	2.765	1.896
EXTREME SPREAD	3.290	2.766	2.552
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

Remington®
REMINGTON PAT. & TM. OFF.

MODEL 700™ H24

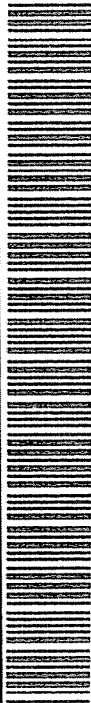
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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

SERIAL NO.
C6522308

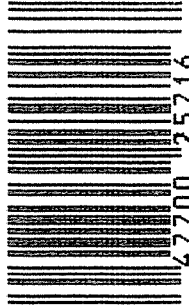
ORDER NO.
5716

31



5716 C6522308

UPC



0 47700 25716 7

BARBER - M24 0004958

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: RE00102767 Serial: C6522308 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 09/19/1990 Repairman: Status: Closed 10/26/2005 7:46:29 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: PR W7LZ CAMP SHELBY DET 57 PR W7LZ CAMP SHELBY DET 57

Address 1: OEF TRAINING BDE ROTATION OEF TRAINING BDE ROTATION

Address 2: BLDG 6520 WAREHOUSE AVE PO Box: BLDG 6520 WAREHOUSE AVE PO Box:

City: CAMP SHELBY CAMP SHELBY

State: MS Zip Code: 39407 Country: US State: MS Zip Code: 39407 Country: US

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: 601-558-4593

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
C000	TORQUE W/TENCH	1
C001	SPOTTING SCOPE	1

Repair Search Refresh Close

neglatj 10/26/2005 9:34 AM CAPS NUM IIS SCPL

start 2 2 3 Arms S

Serial Number: C6522308

Model: M24 SWS



RE00102767

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0004958

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522308.___0
FILE DATE AND TIME: 11/23/2005 21:23

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.042
The Average Y Centroid of the Five Target Set:	0.024
The Average Point of Impact of the Five Target Set:	0.048
The Average Mean Radius of the Five Target Set:	0.503
The Distance from POA to Centroid Target #1:	0.127
The Distance from Centroid Target #2 to Centroid Target #1:	0.236
The Distance from Centroid Target #3 to Centroid Target #1:	0.216
The Distance from Centroid Target #4 to Centroid Target #1:	0.264
The Distance from Centroid Target #5 to Centroid Target #1:	0.141

BARBER - M24 0004960

SERIAL NUMBER: C6522308. __0

TARGET NUMBER: 1

FILE DATE: 11/23/2005

FILE TIME: 21:23

X CENTROID: -0.063

Y CENTROID: 0.110

POA TO CENTROID: 0.127

HORZ SPREAD: 2.012

VERT SPREAD: 1.134

GROUP SPREAD: 2.158

MIN RADIUS: 0.153

MAX RADIUS: 1.149

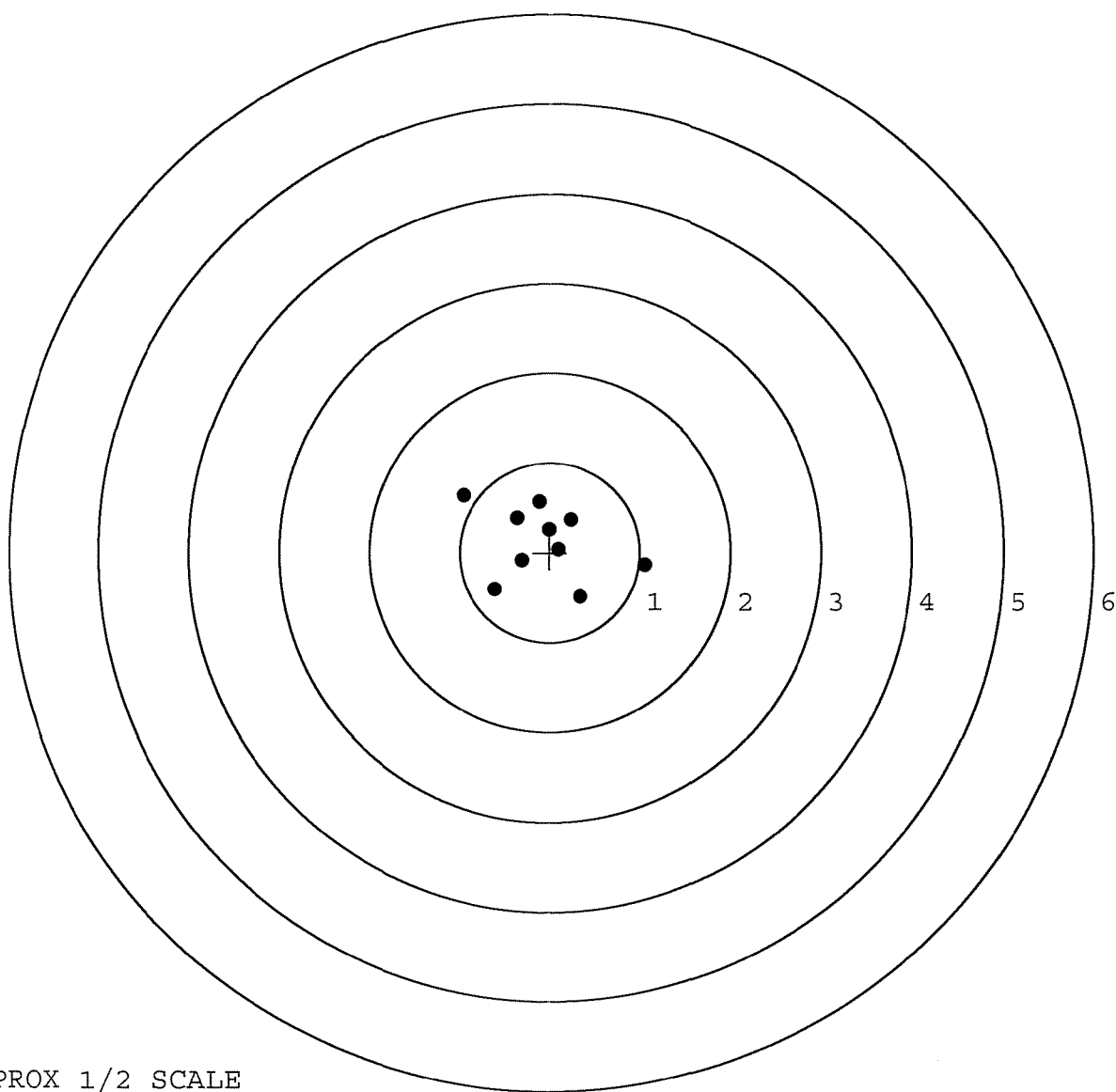
MEAN RADIUS: 0.557

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.312	-0.092
2:	-0.610	-0.408
3:	-0.360	0.384
4:	-0.012	0.255
5:	-0.116	0.564
6:	0.235	0.365
7:	0.346	-0.497
8:	-0.954	0.637
9:	1.058	-0.143
10:	0.097	0.038



TARGET APPROX 1/2 SCALE

BARBER - M24 0004961

SERIAL NUMBER: C6522308. __0

TARGET NUMBER: 2

FILE DATE: 11/23/2005

FILE TIME: 21:23

X CENTROID: 0.139

Y CENTROID: -0.012

POA TO CENTROID: 0.140

HORZ SPREAD: 1.241

VERT SPREAD: 1.354

GROUP SPREAD: 1.375

MIN RADIUS: 0.136

MAX RADIUS: 0.801

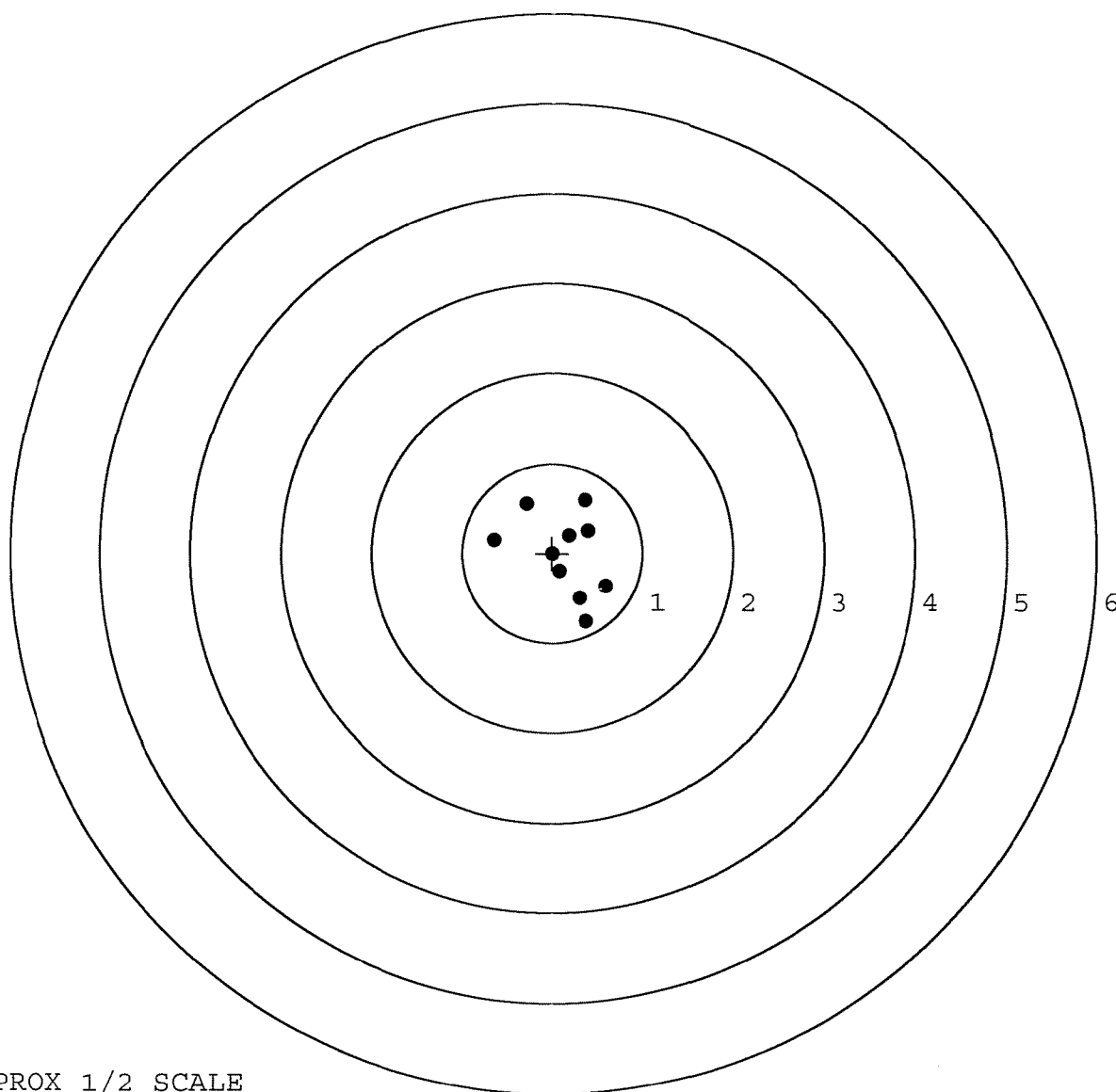
MEAN RADIUS: 0.495

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.081	-0.203
2:	0.307	-0.502
3:	0.379	-0.765
4:	0.596	-0.370
5:	0.188	0.194
6:	0.400	0.247
7:	0.369	0.589
8:	-0.286	0.549
9:	-0.645	0.152
10:	0.003	-0.009

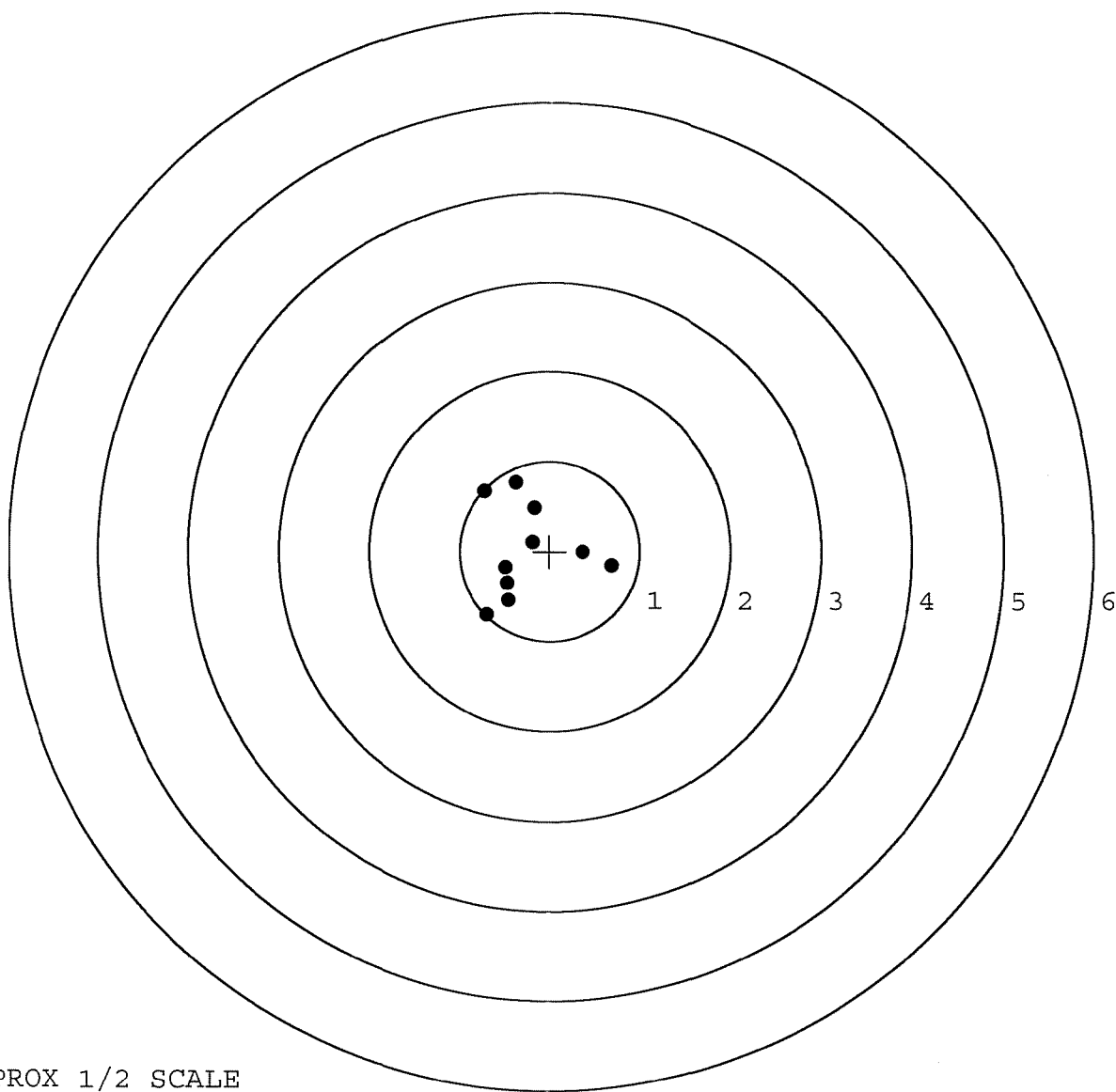


TARGET APPROX 1/2 SCALE

BARBER - M24 0004962

SERIAL NUMBER: C6522308. __0
TARGET NUMBER: 3
FILE DATE: 11/23/2005
FILE TIME: 21:23

	POINT#	X	Y
	1:	-0.725	0.669
	2:	-0.377	0.760
	3:	-0.167	0.481
	4:	-0.191	0.100
X CENTROID:	5:	-0.489	-0.183
Y CENTROID:	6:	-0.470	-0.359
POA TO CENTROID:	7:	-0.456	-0.547
HORZ SPREAD:	8:	-0.696	-0.711
VERT SPREAD:	9:	0.369	-0.008
GROUP SPREAD:	10:	0.688	-0.162
MIN RADIUS:		0.113	
MAX RADIUS:		0.954	
MEAN RADIUS:		0.591	
# IN 1 IN DIAMETER:		4	
# IN 2 IN DIAMETER:		10	
# in 3 IN DIAMETER:		10	

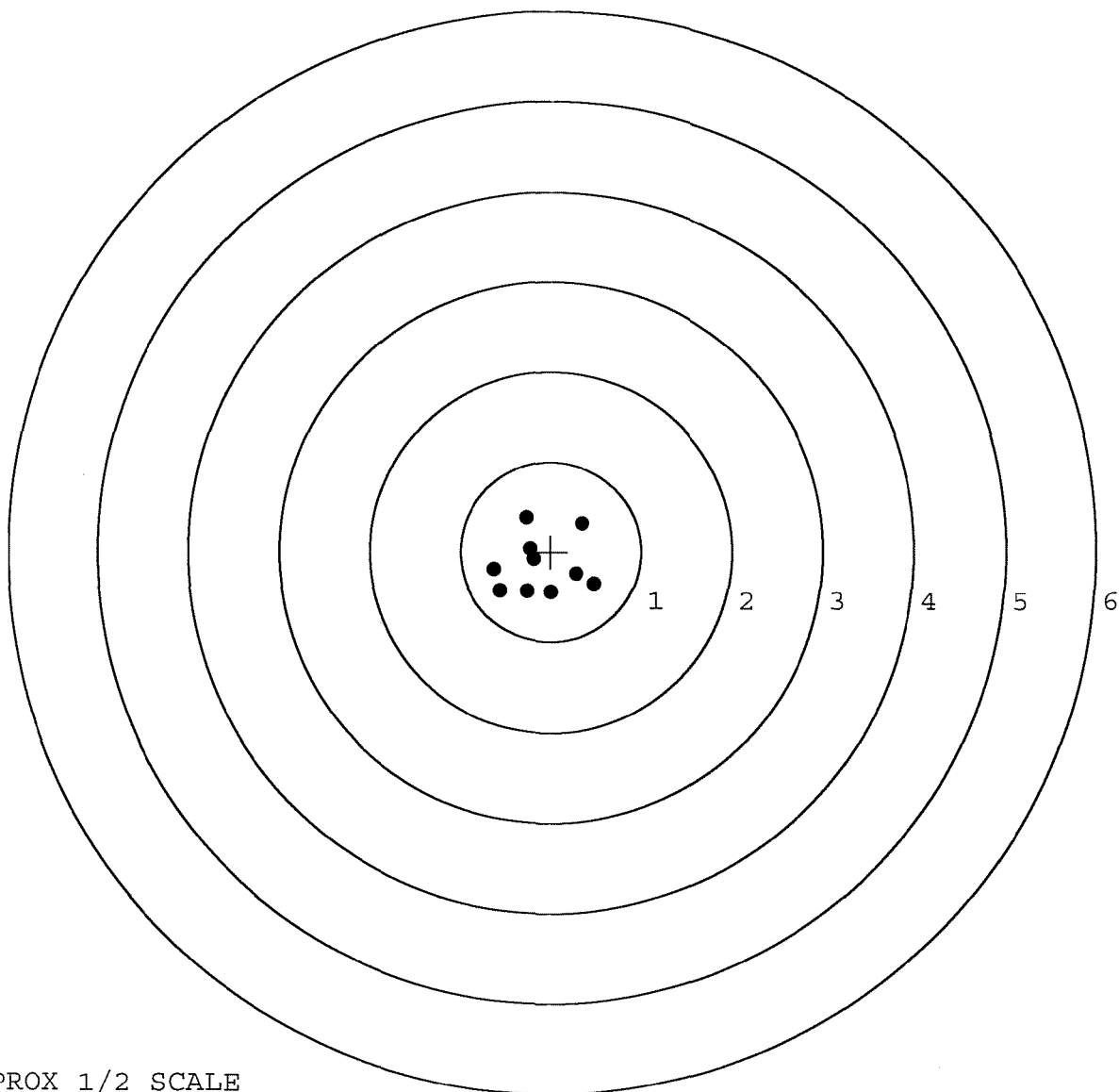


TARGET APPROX 1/2 SCALE

BARBER - M24 0004963

SERIAL NUMBER: C6522308. __0
TARGET NUMBER: 4
FILE DATE: 11/23/2005
FILE TIME: 21:23

	POINT#	X	Y
	1:	-0.228	0.037
	2:	-0.269	0.380
	3:	-0.630	-0.204
	4:	-0.557	-0.445
X CENTROID:	5:	-0.255	-0.451
Y CENTROID:	6:	0.012	-0.456
POA TO CENTROID:	7:	0.283	-0.247
HORZ SPREAD:	8:	0.482	-0.363
VERT SPREAD:	9:	0.351	0.320
GROUP SPREAD:	10:	-0.190	-0.086
MIN RADIUS:		0.111	
MAX RADIUS:		0.653	
MEAN RADIUS:		0.430	
# IN 1 IN DIAMETER:		5	
# IN 2 IN DIAMETER:		10	
# in 3 IN DIAMETER:		10	



TARGET APPROX 1/2 SCALE

BARBER - M24 0004964

SERIAL NUMBER: C6522308. __0

TARGET NUMBER: 5

FILE DATE: 11/23/2005

FILE TIME: 21:23

X CENTROID: 0.066

Y CENTROID: 0.169

POA TO CENTROID: 0.181

HORZ SPREAD: 0.944

VERT SPREAD: 1.397

GROUP SPREAD: 1.448

MIN RADIUS: 0.071

MAX RADIUS: 0.947

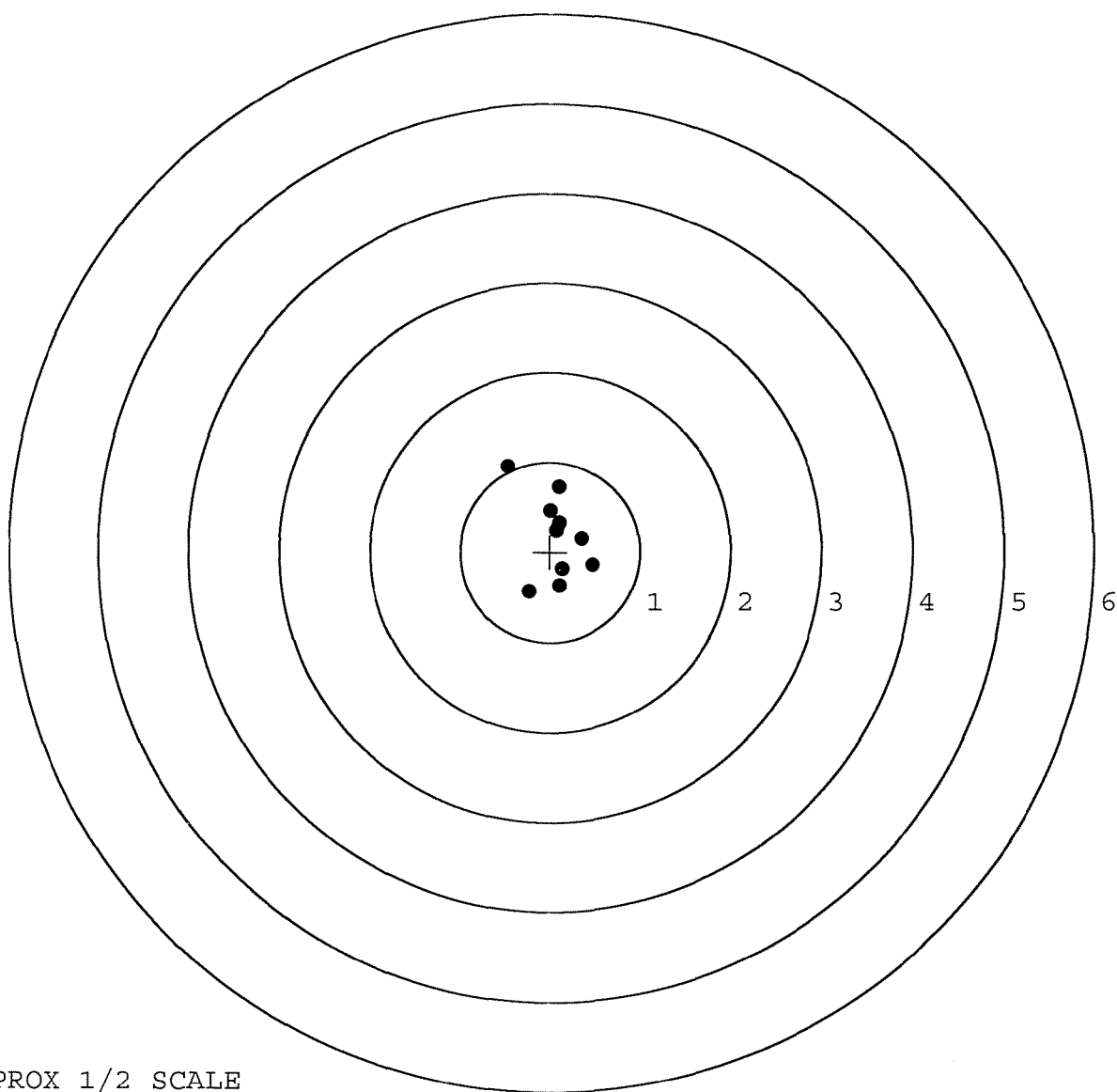
MEAN RADIUS: 0.443

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.104	0.723
2:	0.006	0.460
3:	0.071	0.240
4:	0.350	0.149
5:	0.476	-0.142
6:	0.134	-0.191
7:	0.110	-0.377
8:	-0.232	-0.446
9:	-0.468	0.951
10:	0.105	0.323



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	102767		Camp Shelby	
SERIAL NUMBER	C6522308			
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-3-05	AC
505	RE-BARREL		11-8-05	AC
560	ASSEMBLE		11-15-05	CD
600	PROOF	MAGNA-FLUX INSPECTED	11-15-05	CD
605	CHECK HEADSPACE	NOV 18 2005	11-15-05	CD
610	DIS-ASSEMBLE GUN		11-15-05	CD
612	MAGNAFLUX	OPERATOR <u>mmr</u>	11-15-05	mmr
510	DRILL AND TAP		11-17-05	BR
615	ROLLMARK CALIBER		11-18-05	CW
618	ROTO-BLAST		11-21-05	LB
620	APPLY COATINGS		11-22-05	PB
625	FINAL ASSEMBLY		11-23-05	PB
640	FUNCTION TEST AND	PASS FAIL	11-23-05	mmh
650	TARGET	PASS FAIL	11-23-05	mmh
	MALFUNCTION Bolt closes hard	CORRECTION OK	11-28-05	AC
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-28-05	AC
	A) HEADSPACE	PASS FAIL	11-28-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		X
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	5 lbs 5 lbs 5 lbs	AC
	G) SAFETY OFF FORCE	2 LBS MIN	3 lbs 3 lbs 3 lbs	AC
	I) FIRING PIN INDENT	.020	.024 .024 .024	AC
690	PACK		12-2-05	DA