

C6225081

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5715

* Includes 1 in chamber.

Remington

Smead

Remington[®]

MODEL 700TM M24

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.

REG. U.S. PAT. & T.M. OFF.

DUPONT

SERIAL NO.
C6225081

ORDER NO.
5716

20

5716 C6225081

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225081

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 25	89	RW
600	Proof	1 25	89	RW
607	Check Headspace	1 25	89	RW
610	Dis-assemble Gun	1 25	89	RW
612	Magnaflux Barrel Action		1-27-89	RPL.
	Magnaflux Bolt		1-27-89	KCR
615	Rollmark Caliber		1-30	G.S.
617	Drill and Tap Sight Holes	2 1	89	FB
618	Polish Barrel	2 1	89	BT
620	Apply Coatings (Barrel Action)		2-10-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/15/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/15/89	RW
	C) Inspect Ejector Hole for Chamfer		2/15/89	RW
	D) Oil Firing Pin Ass'y		2/15/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		16 2/1/89	JS

op. #	OP. NAME	BARBER - M24 0048507					READINGS	DATE	INIT
625 cont.	F) Safety On Force	5	5	5				17 Feb 89	JS
	G) Safety Off Force	3	3	3				17 Feb 89	JS
	H) Trigger Pull Test & Retainability							16 Feb 89	JS
	I) Firing Pin Indent	.0205	.021	.0205				17 Feb 89	JS
	J) Assemble Stock							2/20/89	RW
	K) Assemble Swivel Studs							22 Feb 89	JS
	L) Attach Front and Rear Sight Assemblies							2/20/89	RW
	M) Iron Sight Alignment							2/20/89	RW
	N) Detach Front & Rear Sights & place in numbered container							2/20/89	RW
	O) Attach Scope to Rifle							20 Feb 89	JS
	P) Detach & Attach Scope 20 Times							20 Feb 89	JS
640	Gallery Target & Test	69 R	84 L					2/21/89	AC
	A) Time							"	AC
	B) Malfunctions					NONE		"	AC
	C) Pierced Primers					NONE		"	AC
	D) Optical Clarity of Scope					OK		2/21/89	AC
645	Inspect for Live Ammo					NONE		2/21/89	AC
655	Final Inspection								
	A) Headspace							22 Feb 89	JS
	B) Trigger Pull	2.29	2.37	2.39	2.43	2.42		22 Feb 89	JS
	C) Function							22 Feb 89	JS
660	Pack							23 Feb 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6225001DATE 4-6-90TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.26		2.25	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.31		2.19	
PULL #3	2.38	2.29		2.20	
PULL #4	2.31	2.17		2.14	
PULL #5	2.28	2.20		2.17	
TOTAL	11.80	11.23		10.95	
AVG.	2.36	2.246		2.19	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.46	3.34		
PULL #2	3.53	3.45		
PULL #3	3.52	3.46		
PULL #4	3.45	3.46		
PULL #5	3.45	3.46		
TOTAL	17.46	17.17		
AVG.	3.492	3.434		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.45	4.55		
PULL #2	4.20	4.46		
PULL #3	4.17	4.46		
PULL #4	4.10	4.44		
PULL #5	4.50	4.43		
TOTAL	21.42	22.34		
AVG.	4.284	4.468		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225081
22 Feb 1989

CENTROIDAL DISTANCES

0 TO	1	.338148
1 TO	2	.132136
1 TO	3	.448286
1 TO	4	.175094
1 TO	5	.384752

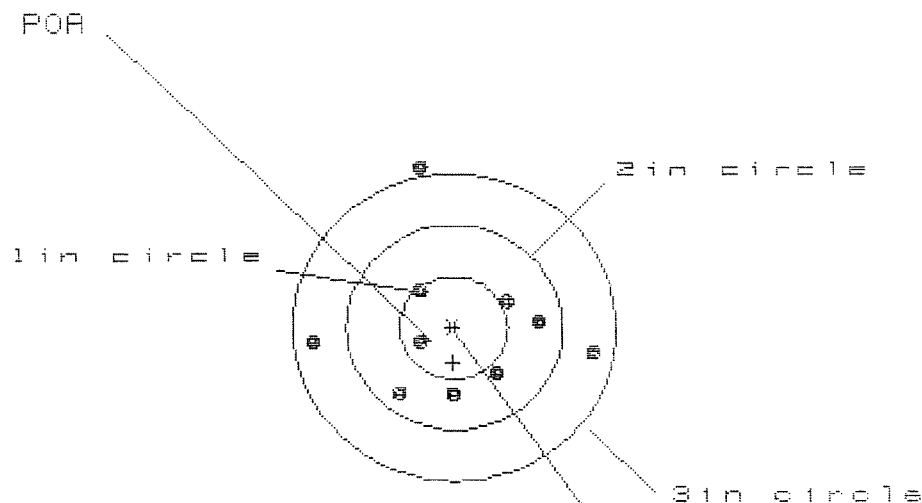
3
2
5+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1008
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3896
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .402429
THE AMR FOR THIS RIFLE IS: .84

22 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225001

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 6

HS = 2.528

VS = 2.198

GS = 2.532

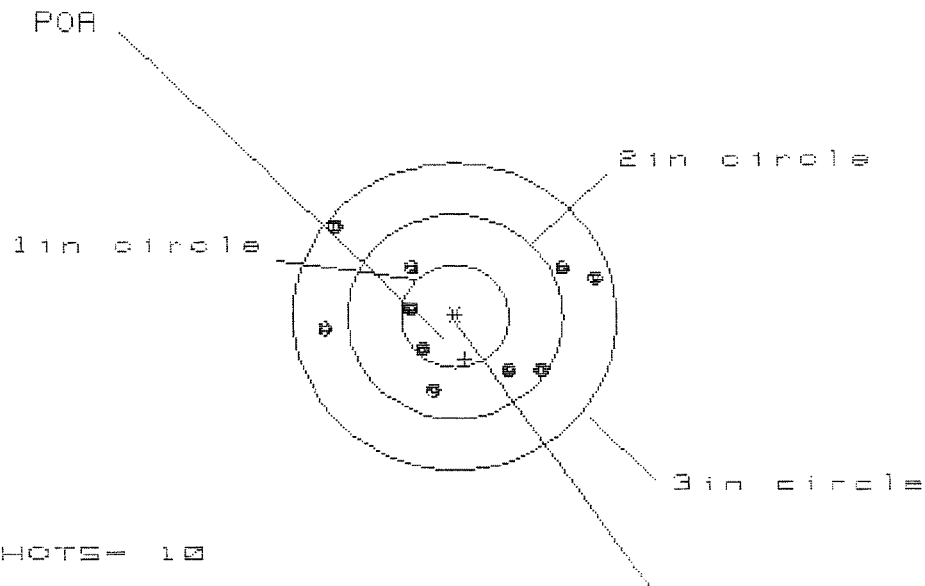
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.260	1.229	.868
MINIMUM X	-1.260	-1.299	-1.146
MAXIMUM Y	1.526	.494	.482
MINIMUM Y	-.673	-.504	-.516
CENTROID X	.010	.041	-.112
CENTROID Y	.338	.169	.181
FOR TO CENTROID in.	.338	.174	.213
MIN RADIUS	.370	.382	.228
MEAN RADIUS	.829	.729	.654
MAX RADIUS	1.552	1.300	1.146
HORIZONTAL SPREAD	2.528	2.528	2.014
VERTICAL SPREAD	2.199	.998	.998
EXTREME SPREAD	2.532	2.532	2.027
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

22 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C0225001

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 10

HS = 2.487

VS = 1.662

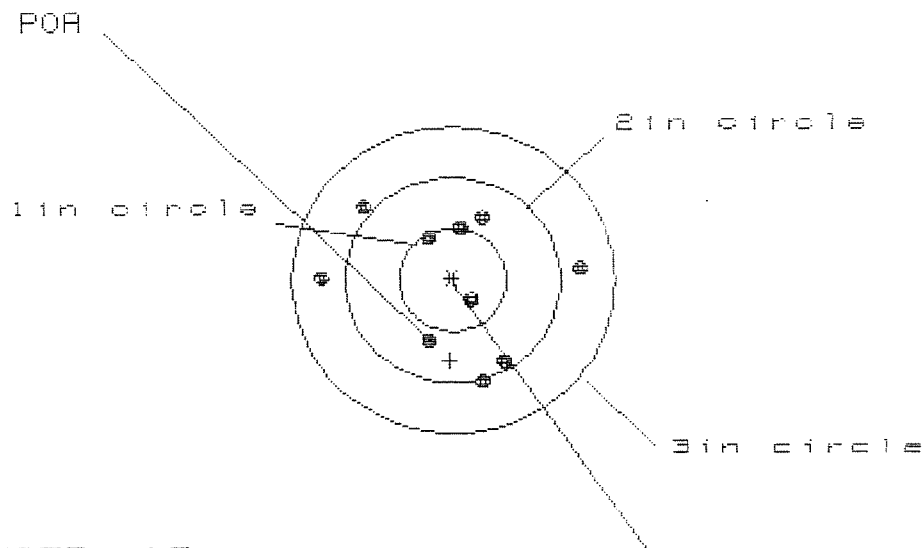
GS = 2.538

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.305	1.186	1.035
MINIMUM X	:	-1.182	-1.301	-1.153
MAXIMUM Y	:	.908	.627	.684
MINIMUM Y	:	-.754	-.653	-.596
CENTROID X	:	-.092	.027	-.121
CENTROID Y	:	.422	.321	.264
POA TO CENTROID in.	:	.431	.322	.290
MIN RADIUS	:	.433	.494	.340
MEAN RADIUS	:	.910	.846	.764
MAX RADIUS	:	1.405	1.302	1.229
HORIZONTAL SPREAD	:	2.487	2.487	2.188
VERTICAL SPREAD	:	1.662	1.280	1.280
EXTREME SPREAD	:	2.538	2.538	2.285
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

22 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225001

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.490

VS= 1.699

GS= 2.490

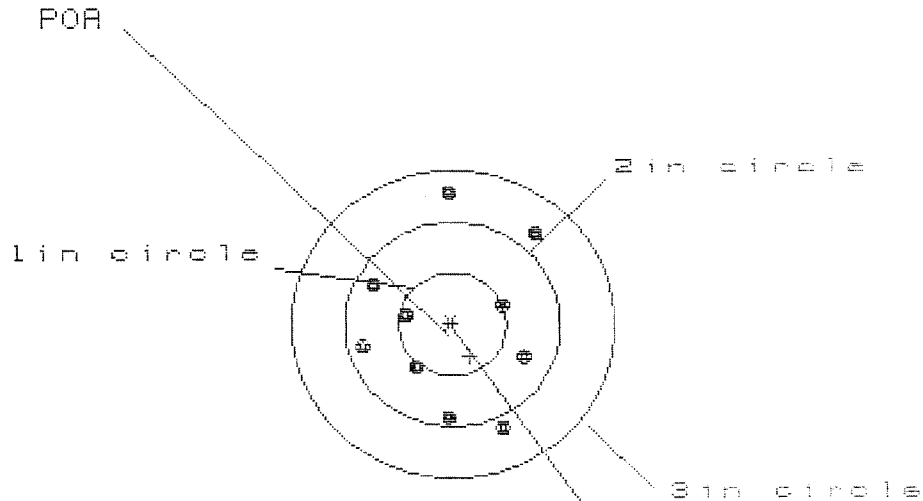
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.216	1.075	.491
MINIMUM X	:	-1.274	-.921	-.787
MAXIMUM Y	:	.740	.745	.757
MINIMUM Y	:	-.959	-.954	-.942
CENTROID X	:	.026	.167	.033
CENTROID Y	:	.786	.781	.769
POA TO CENTROID in.	:	.787	.798	.769
MIN RADIUS	:	.233	.174	.215
MEAN RADIUS	:	.799	.736	.687
MAX RADIUS	:	1.275	1.185	1.092
HORIZONTAL SPREAD	:	2.490	1.996	1.278
VERTICAL SPREAD	:	1.699	1.699	1.699
EXTREME SPREAD	:	2.490	2.098	1.976
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

22 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CS225001

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS = 1.645

VS = 2.272

GS = 2.340

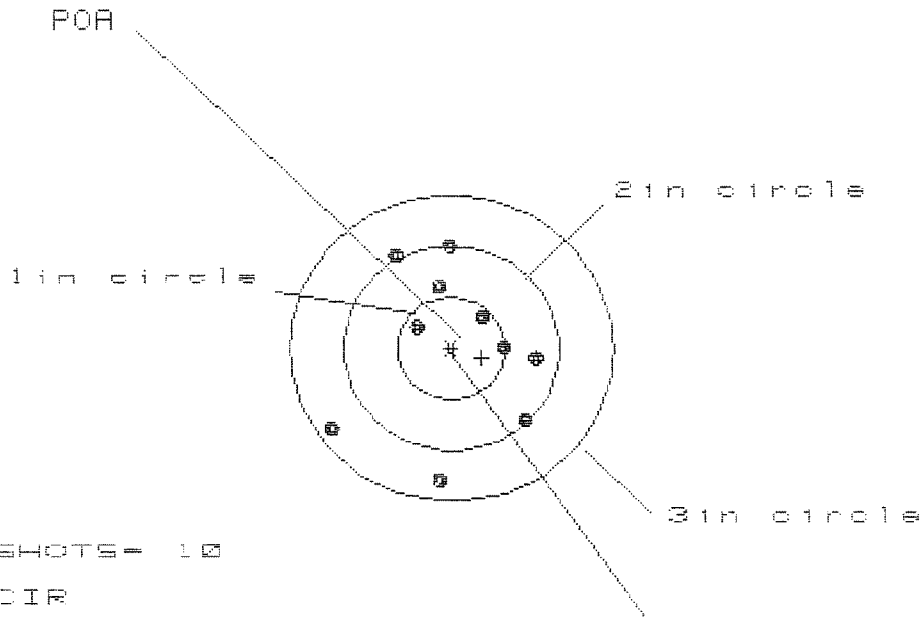
CENTROID #

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.785	.778	.788
MINIMUM X	:	-.860	-.867	-.769
MAXIMUM Y	:	1.308	.990	.683
MINIMUM Y	:	-.964	-.819	-.695
CENTROID X	:	-.163	-.156	-.253
CENTROID Y	:	.311	.166	.042
FOR TO CENTROID in.	:	.352	.228	.257
MIN RADIUS	:	.418	.438	.288
MEAN RADIUS	:	.833	.764	.680
MAX RADIUS	:	1.309	1.259	.918
HORIZONTAL SPREAD	:	1.645	1.645	1.478
VERTICAL SPREAD	:	2.272	1.809	1.378
EXTREME SPREAD	:	2.340	1.952	1.829
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

22 Feb 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C6225081

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS = 1.875

VS = 2.345

GS = 2.347

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.755	.638	.599
MINIMUM X	-1.120	-.626	-.657
MAXIMUM Y	1.024	.934	.758
MINIMUM Y	-1.321	-1.411	-.915
CENTROID X	-.285	-.168	-.129
CENTROID Y	.091	.181	.357
POA TO CENTROID in.	.299	.242	.388
MIN RADIUS	.338	.233	.089
MEAN RADIUS	.829	.734	.613
MAX RADIUS	1.381	1.432	1.076
HORIZONTAL SPREAD	1.875	1.256	1.256
VERTICAL SPREAD	2.345	2.345	1.673
EXTREME SPREAD	2.347	2.347	1.949
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

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: RE00153042

Serial: C6225081 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 03/21/1989

Repairman:

Verify Repair

Status:

Closed 10/9/2008 10:13:51 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: GSC 7TH SFG

GSC 7TH SFG

Address 1: BLDG E-3928 77TH SFWAY

BLDG E-3928 77TH SFWAY

Address 2: PO Box:

PO Box:

City: FORT BRAGG

FORT BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

Country: US

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
A010	Hard Case	1
A026	Scope	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

10/14/2008

9:46 AM

CAPS

NUM

INS

SCRL



9:46 AM

Serial Number: **C6225081**
 Model: **M24 SWS**

RE00153042

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

R & E NUMBER

153042

SERIAL NUMBER

C6225081

LOG-IN DATE

10-9-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	10-20-08	RTZ
505	RE-BARREL	10-21-08	RTZ
560	ASSEMBLE	10-21-08	RTZ
600	PROOF	10-21-08	RTZ
605	CHECK HEADSPACE	10-21-08	RTZ
610	DIS-ASSEMBLE GUN	10-21-08	RTZ
612	MAGNAFLUX	10-21-08	RTZ
510	DRILL AND TAP	10-21-08	RTZ
615	ROLLMARK CALIBER	10-21-08	RTZ
618	ROTO-BLAST	10-21-08	RTZ
620	APPLY COATINGS	10-21-08	RTZ
625	FINAL ASSEMBLY	10-30-08	RTZ
640	FUNCTION TEST AND	10-31-08	TC
650	TARGET	10-31-08	TC
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	10-31-08	RTZ
	A) HEADSPACE	10-31-08	RTZ
	B) TRIGGER PULL	2.68 2.66 2.65 2.66 2.64	10-31-08 TC
680	F) SAFETY ON FORCE	3.0 3.0 3.0	10-31-08 RTZ
	G) SAFETY OFF FORCE	5.0 5.0 5.0	10-31-08 RTZ
	I) FIRING PIN INDENT	.022 .021 .021	10-31-08 RTZ
690	PACK	11/6/08	FM

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225081.__0
FILE DATE AND TIME: 10/31/2008 13:04

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.080
The Average Y Centroid of the Five Target Set:	-0.058
The Average Point of Impact of the Five Target Set:	0.099
The Average Mean Radius of the Five Target Set:	0.617
The Distance from POA to Centroid Target #1:	0.357
The Distance from Centroid Target #2 to Centroid Target #1:	0.482
The Distance from Centroid Target #3 to Centroid Target #1:	0.321
The Distance from Centroid Target #4 to Centroid Target #1:	0.349
The Distance from Centroid Target #5 to Centroid Target #1:	0.257

SERIAL NUMBER: C6225081. __0

TARGET NUMBER: 1

FILE DATE: 10/31/2008

FILE TIME: 13:04

X CENTROID: 0.355

Y CENTROID: -0.042

POA TO CENTROID: 0.357

HORZ SPREAD: 1.312

VERT SPREAD: 0.770

GROUP SPREAD: 1.493

MIN RADIUS: 0.145

MAX RADIUS: 0.953

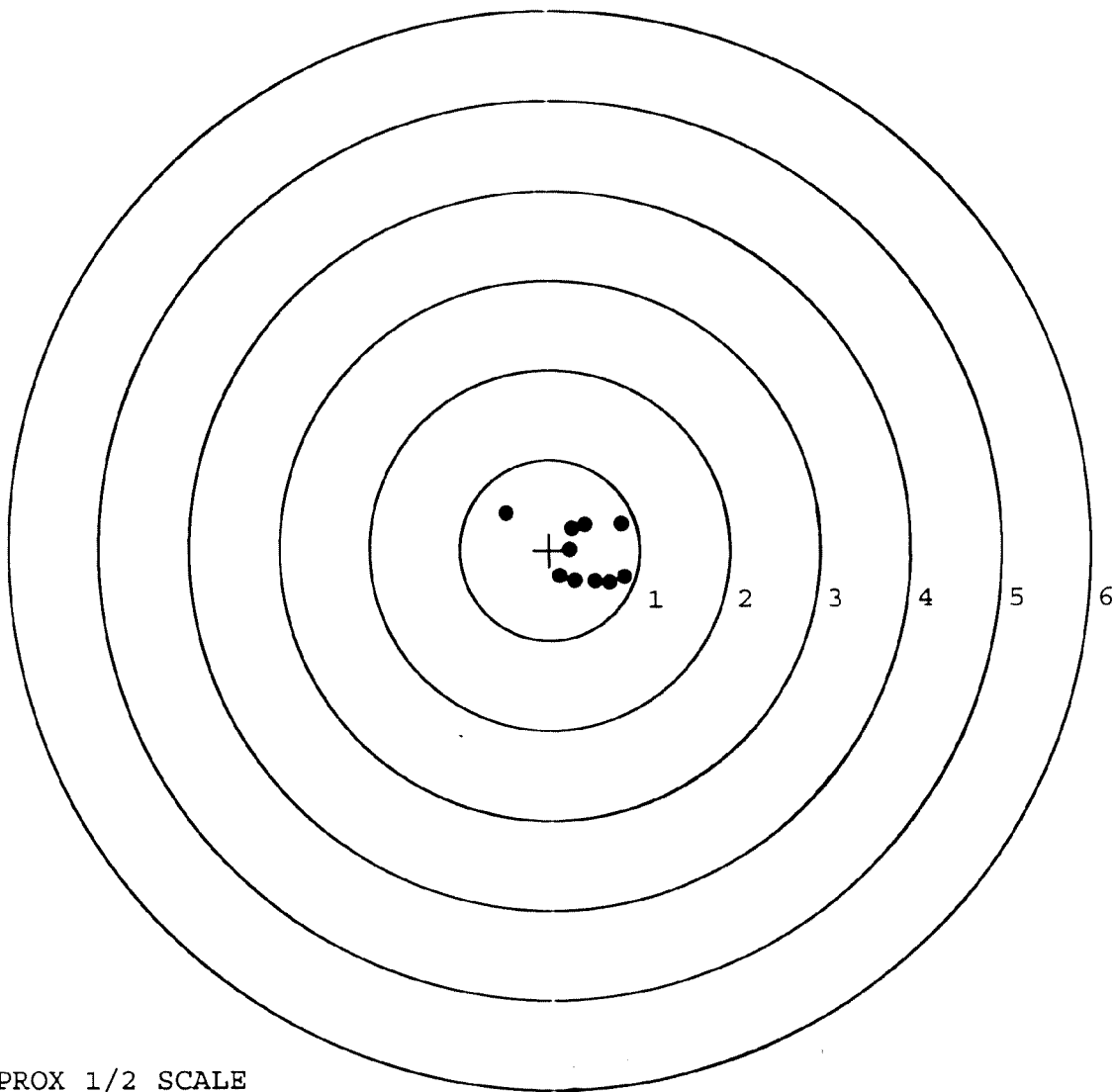
MEAN RADIUS: 0.426

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.485	0.408
2:	0.388	0.282
3:	0.248	0.240
4:	0.220	0.011
5:	0.112	-0.288
6:	0.276	-0.341
7:	0.502	-0.353
8:	0.663	-0.362
9:	0.827	-0.304
10:	0.797	0.289

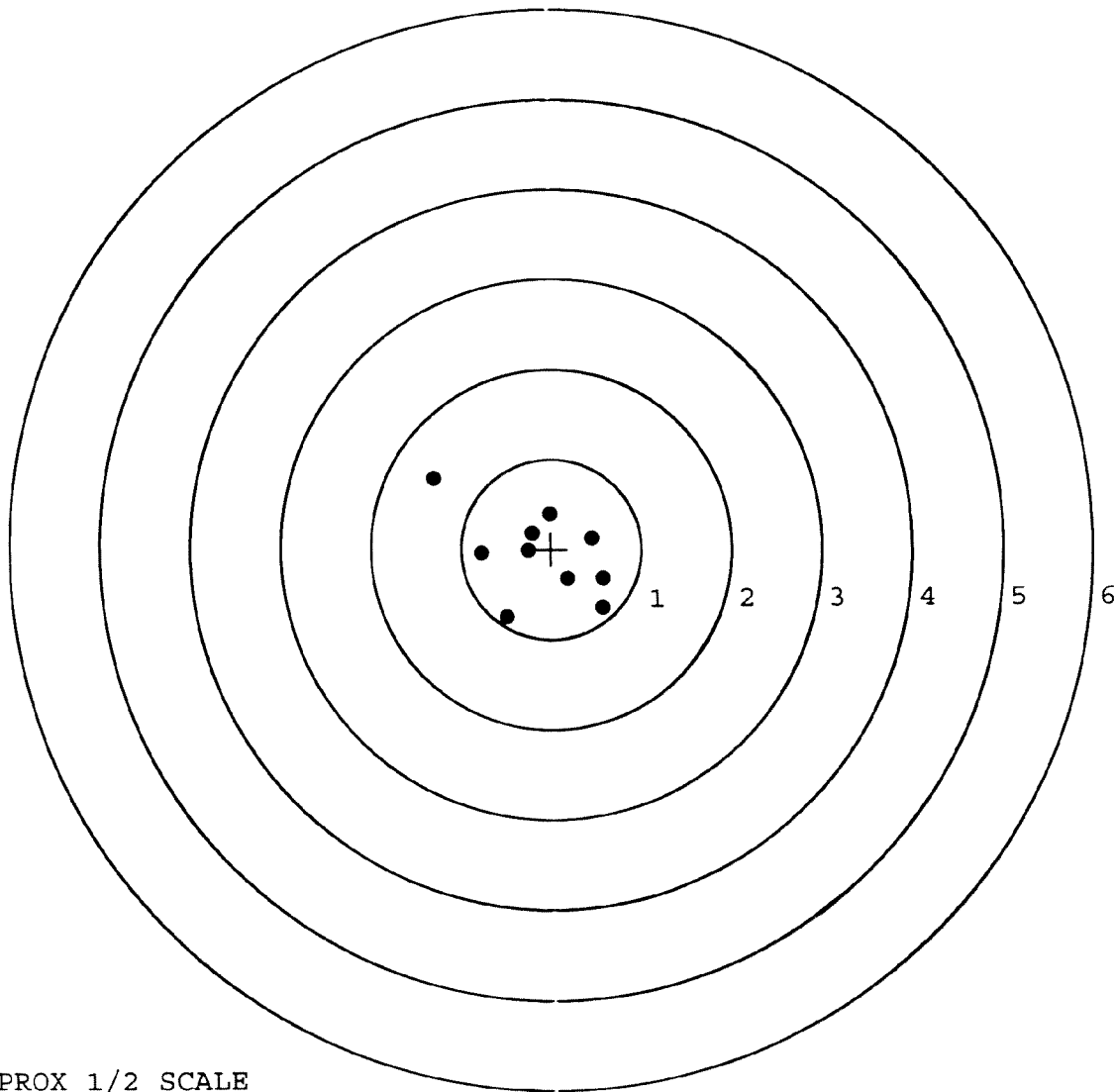


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225081. __0
 TARGET NUMBER: 2
 FILE DATE: 10/31/2008
 FILE TIME: 13:04

POINT#	X	Y
1:	-1.306	0.790
2:	-0.775	-0.051
3:	-0.495	-0.754
4:	-0.256	-0.021
5:	-0.209	0.176
6:	-0.016	0.387
7:	0.459	0.119
8:	0.578	-0.328
9:	0.570	-0.660
10:	0.180	-0.330

X CENTROID: -0.127
 Y CENTROID: -0.067
 POA TO CENTROID: 0.144
 HORZ SPREAD: 1.884
 VERT SPREAD: 1.544
 GROUP SPREAD: 2.371
 MIN RADIUS: 0.137
 MAX RADIUS: 1.458
 MEAN RADIUS: 0.643
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225081. __0

TARGET NUMBER: 3

FILE DATE: 10/31/2008

FILE TIME: 13:04

X CENTROID: 0.046

Y CENTROID: 0.048

POA TO CENTROID: 0.067

HORZ SPREAD: 1.464

VERT SPREAD: 1.748

GROUP SPREAD: 1.822

MIN RADIUS: 0.428

MAX RADIUS: 0.987

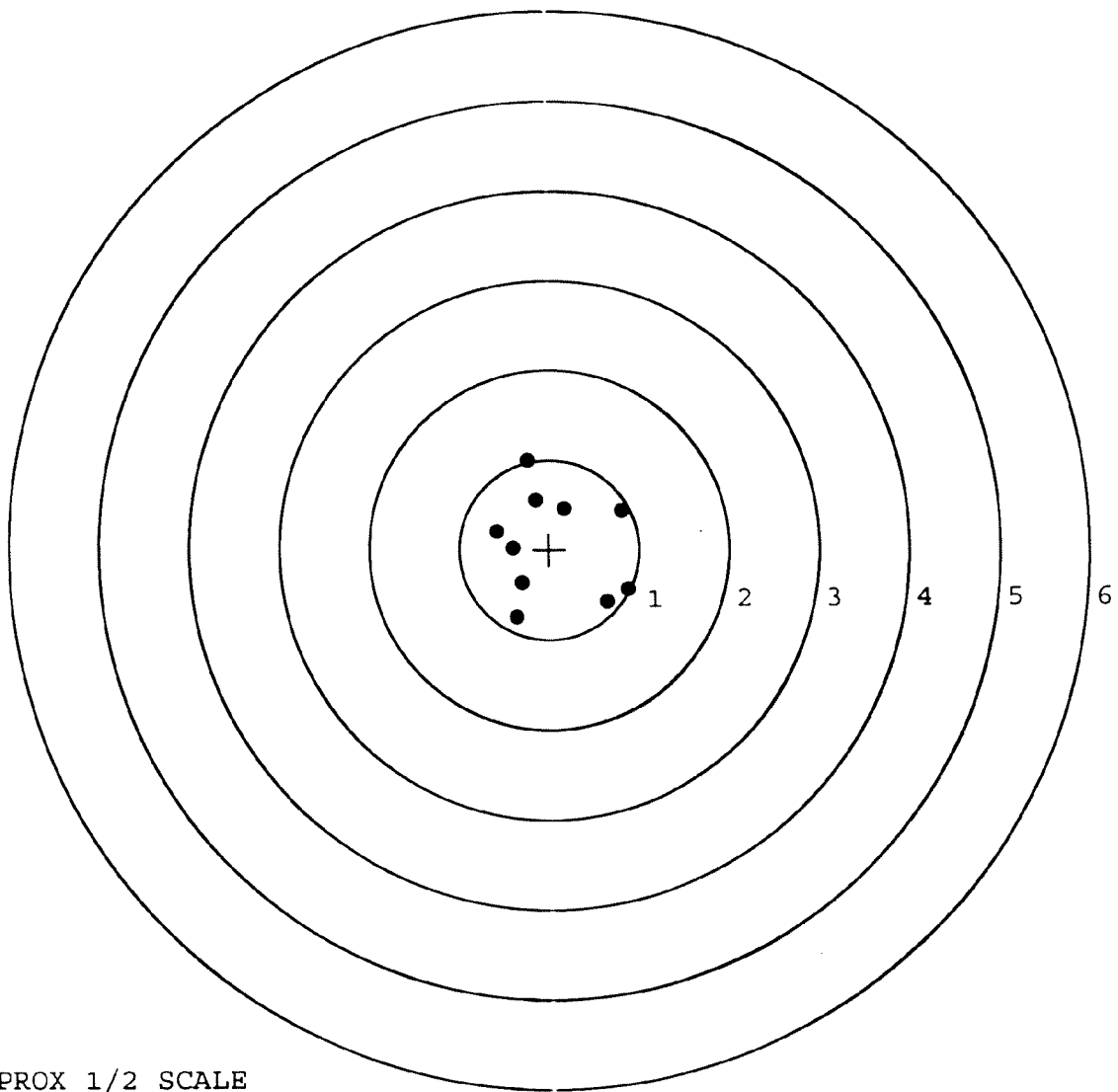
MEAN RADIUS: 0.720

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.235	0.994
2:	-0.148	0.551
3:	0.167	0.459
4:	-0.586	0.203
5:	-0.401	0.017
6:	-0.301	-0.379
7:	-0.362	-0.754
8:	0.641	-0.588
9:	0.878	-0.448
10:	0.812	0.428



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225081. __0

TARGET NUMBER: 4

FILE DATE: 10/31/2008

FILE TIME: 13:04

X CENTROID: 0.027

Y CENTROID: -0.160

POA TO CENTROID: 0.162

HORZ SPREAD: 1.960

VERT SPREAD: 1.727

GROUP SPREAD: 2.377

MIN RADIUS: 0.200

MAX RADIUS: 1.375

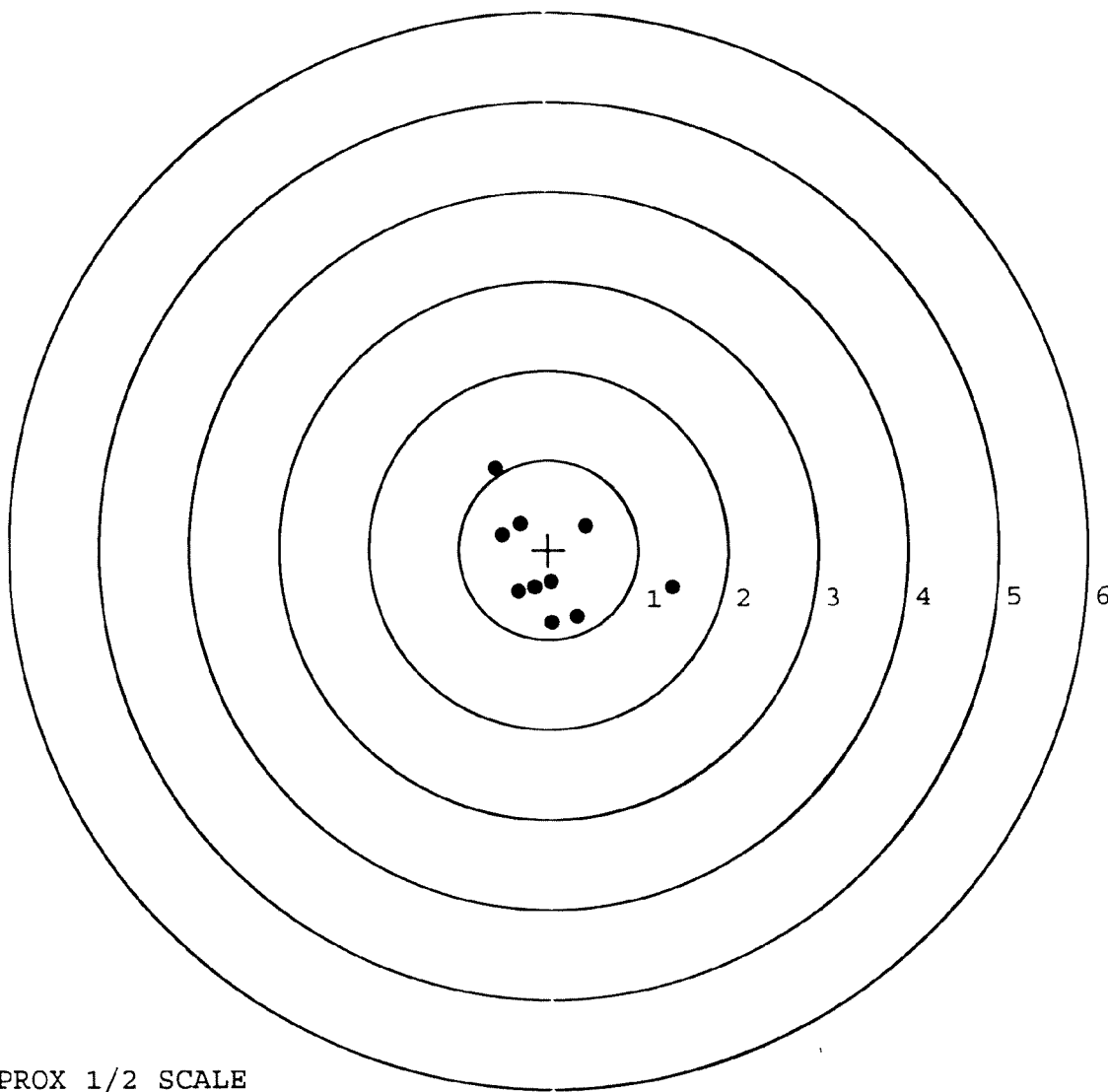
MEAN RADIUS: 0.670

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.586	0.913
2:	-0.310	0.297
3:	-0.515	0.169
4:	-0.339	-0.467
5:	-0.155	-0.422
6:	0.027	-0.360
7:	0.037	-0.814
8:	0.319	-0.753
9:	0.414	0.268
10:	1.374	-0.432



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225081. __0

TARGET NUMBER: 5

FILE DATE: 10/31/2008

FILE TIME: 13:04

POINT#	X	Y
1:	-0.100	1.313
2:	0.084	0.517
3:	1.193	-0.294
4:	0.327	-0.643
5:	0.350	-0.382
6:	0.259	-0.130
7:	0.124	-0.251
8:	-0.071	-0.359
9:	-0.604	-0.329
10:	-0.574	-0.115

X CENTROID: 0.099

Y CENTROID: -0.067

POA TO CENTROID: 0.120

HORZ SPREAD: 1.797

VERT SPREAD: 1.956

GROUP SPREAD: 2.063

MIN RADIUS: 0.172

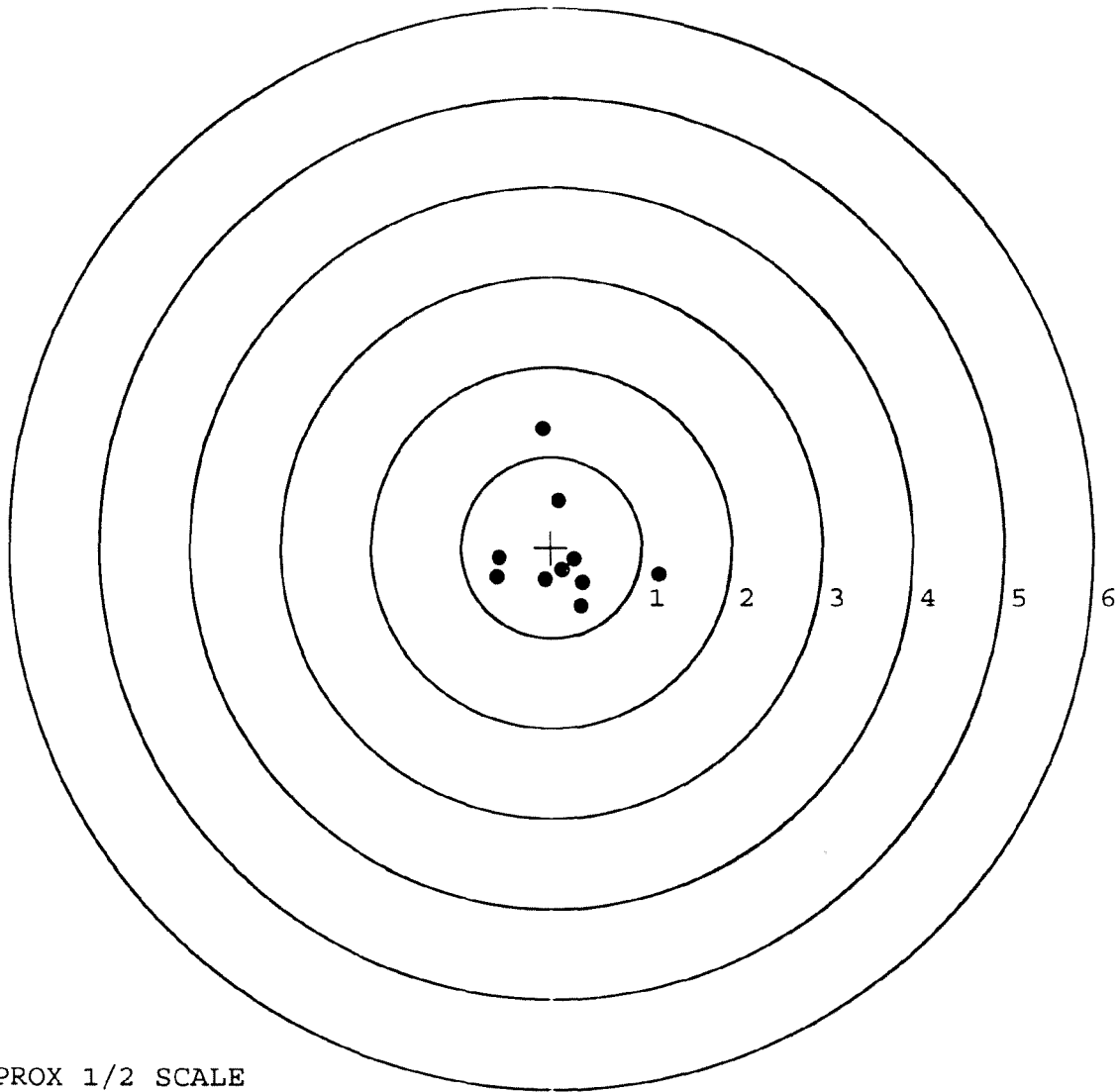
MAX RADIUS: 1.395

MEAN RADIUS: 0.624

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE