

G-657 7160
Replaced
G 628 8177

Repair Inquiry

Repair Number: RE00113209

Serial: G6288177 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/09/2003

Repairman:

Status:

Closed 6/5/2006 1:21:45 PM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: NATIONAL GUARD MARKSMANSHIP TNG UNIT

NATIONAL GUARD MARKSMANSHIP TNG UNIT

Address 1: BLDG 4900 CAMP J T ROBINSON

BLDG 4900 CAMP J T ROBINSON

Address 2: ATTN TSGT SEAN WALLACE

PO Box:

ATTN TSGT SEAN WALLACE

PO Box:

City: NORTH LITTLE ROCK

NORTH LITTLE ROCK

State: AR

Zip Code: 72199

Country: US

State: AR

Zip Code: 72199

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
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglelj

6/6/2006

7:37 AM

CAPS

NUM

INS

SCRL



Arms Services Repair ...

Part Search by Materi...

2 Microsoft Office O...

7:37 AM

Serial
Number:

G6288177

Model: M24 SWS



RE00113209

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6577160.__0
FILE DATE AND TIME: 07/12/2006 17:34

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.072
The Average Y Centroid of the Five Target Set:	0.130
The Average Point of Impact of the Five Target Set:	0.149
The Average Mean Radius of the Five Target Set:	0.609
The Distance from POA to Centroid Target #1:	0.511
The Distance from Centroid Target #2 to Centroid Target #1:	0.577
The Distance from Centroid Target #3 to Centroid Target #1:	0.616
The Distance from Centroid Target #4 to Centroid Target #1:	0.451
The Distance from Centroid Target #5 to Centroid Target #1:	0.449

SERIAL NUMBER: G6577160. __0

TARGET NUMBER: 1

FILE DATE: 07/12/2006

FILE TIME: 17:34

POINT#	X	Y
1:	-0.911	0.318
2:	-0.624	0.697
3:	0.333	1.174
4:	0.279	0.796
5:	0.389	0.651
6:	0.416	0.506
7:	0.452	0.404
8:	0.611	0.330
9:	0.411	-0.200
10:	-0.126	0.286

X CENTROID: 0.123

Y CENTROID: 0.496

POA TO CENTROID: 0.511

HORZ SPREAD: 1.522

VERT SPREAD: 1.374

GROUP SPREAD: 1.522

MIN RADIUS: 0.293

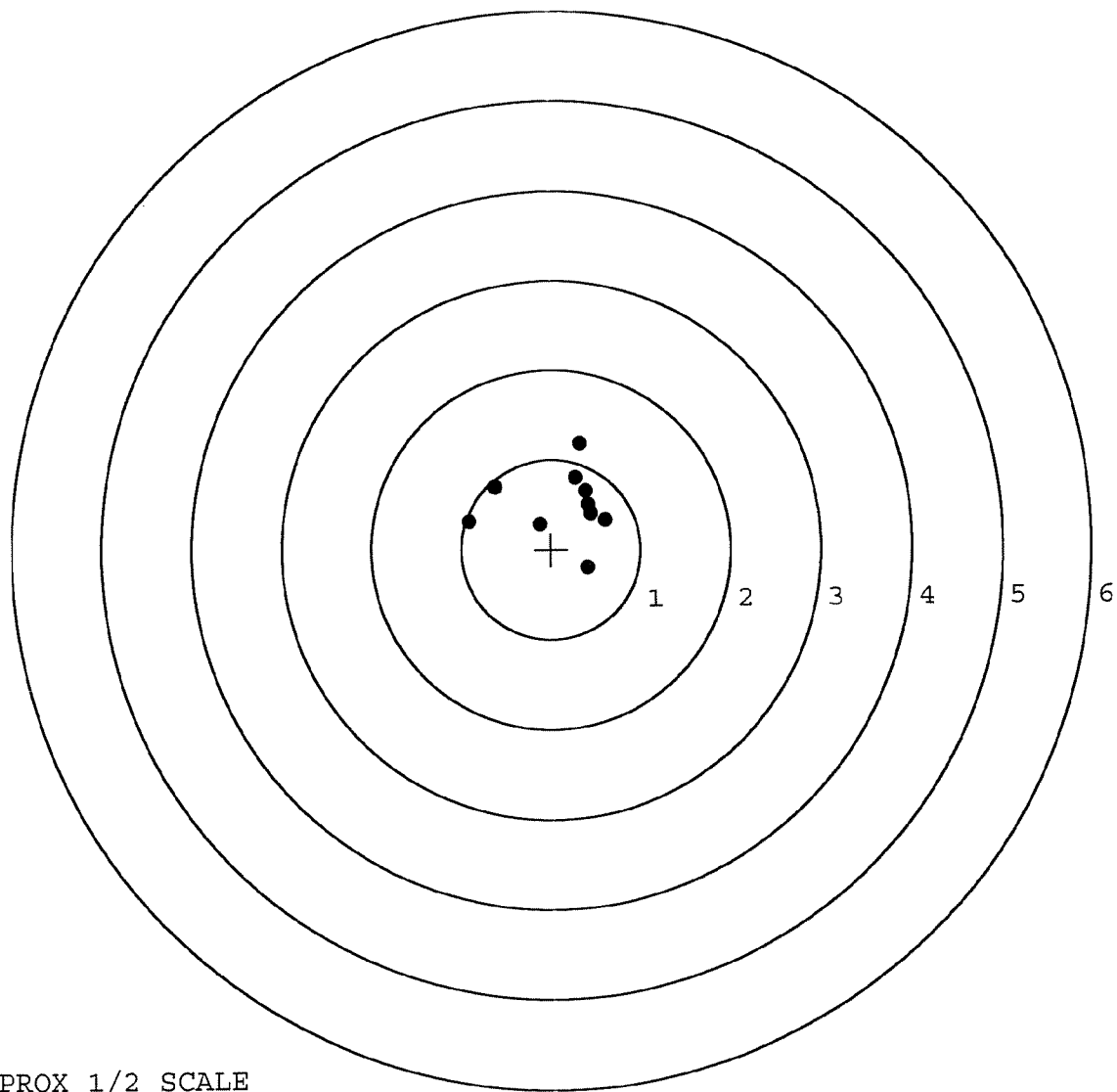
MAX RADIUS: 1.049

MEAN RADIUS: 0.541

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577160. __0

TARGET NUMBER: 2

FILE DATE: 07/12/2006

FILE TIME: 17:34

X CENTROID: -0.028

Y CENTROID: -0.061

POA TO CENTROID: 0.067

HORZ SPREAD: 1.732

VERT SPREAD: 1.744

GROUP SPREAD: 1.985

MIN RADIUS: 0.263

MAX RADIUS: 1.236

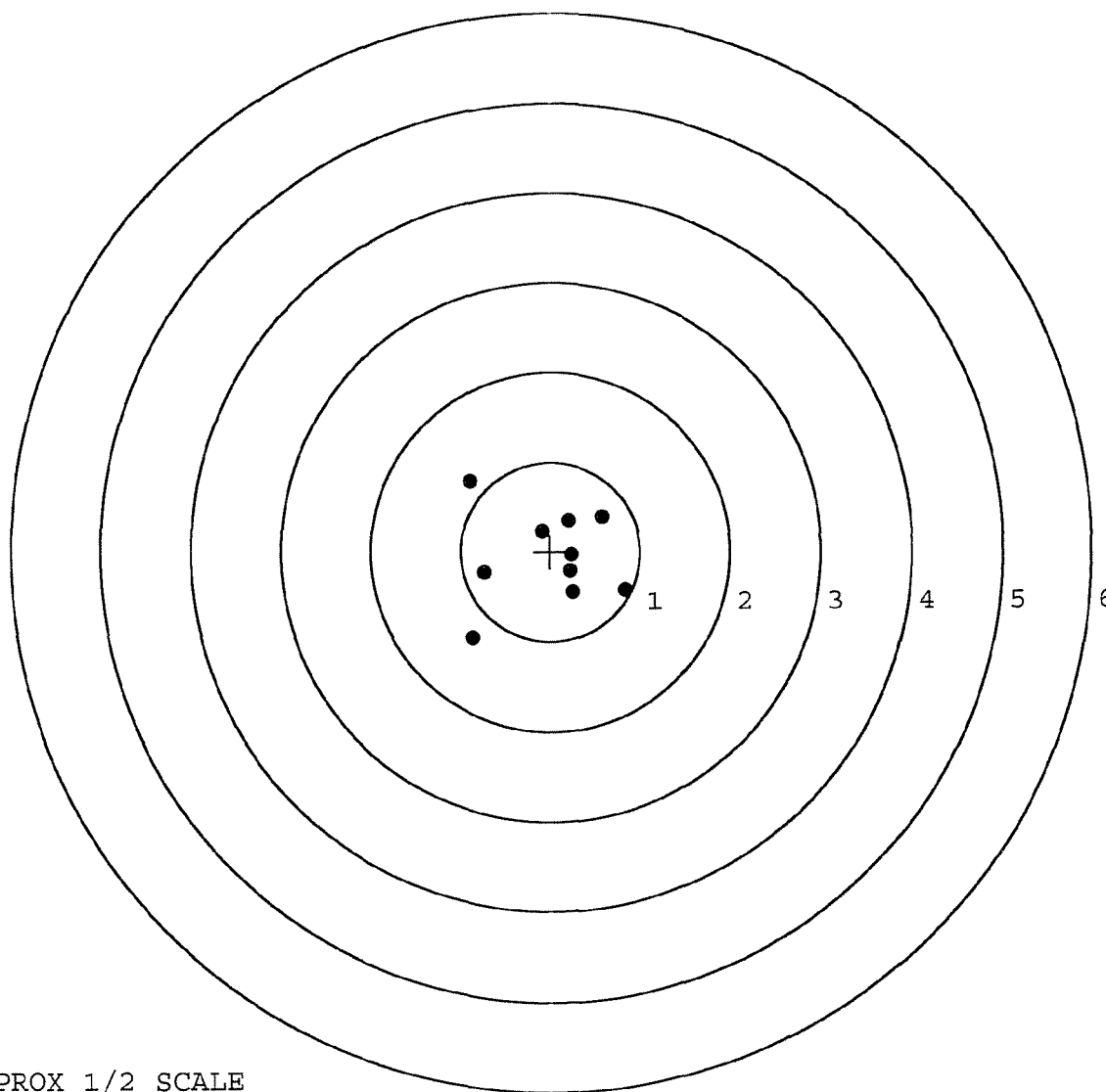
MEAN RADIUS: 0.667

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.873	-0.962
2:	-0.737	-0.240
3:	-0.897	0.782
4:	0.577	0.393
5:	0.234	-0.039
6:	0.224	-0.219
7:	0.249	-0.456
8:	0.835	-0.433
9:	-0.093	0.221
10:	0.204	0.344



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577160. __0

TARGET NUMBER: 3

FILE DATE: 07/12/2006

FILE TIME: 17:34

X CENTROID: -0.233

Y CENTROID: -0.007

POA TO CENTROID: 0.233

HORZ SPREAD: 1.834

VERT SPREAD: 1.250

GROUP SPREAD: 1.979

MIN RADIUS: 0.083

MAX RADIUS: 1.109

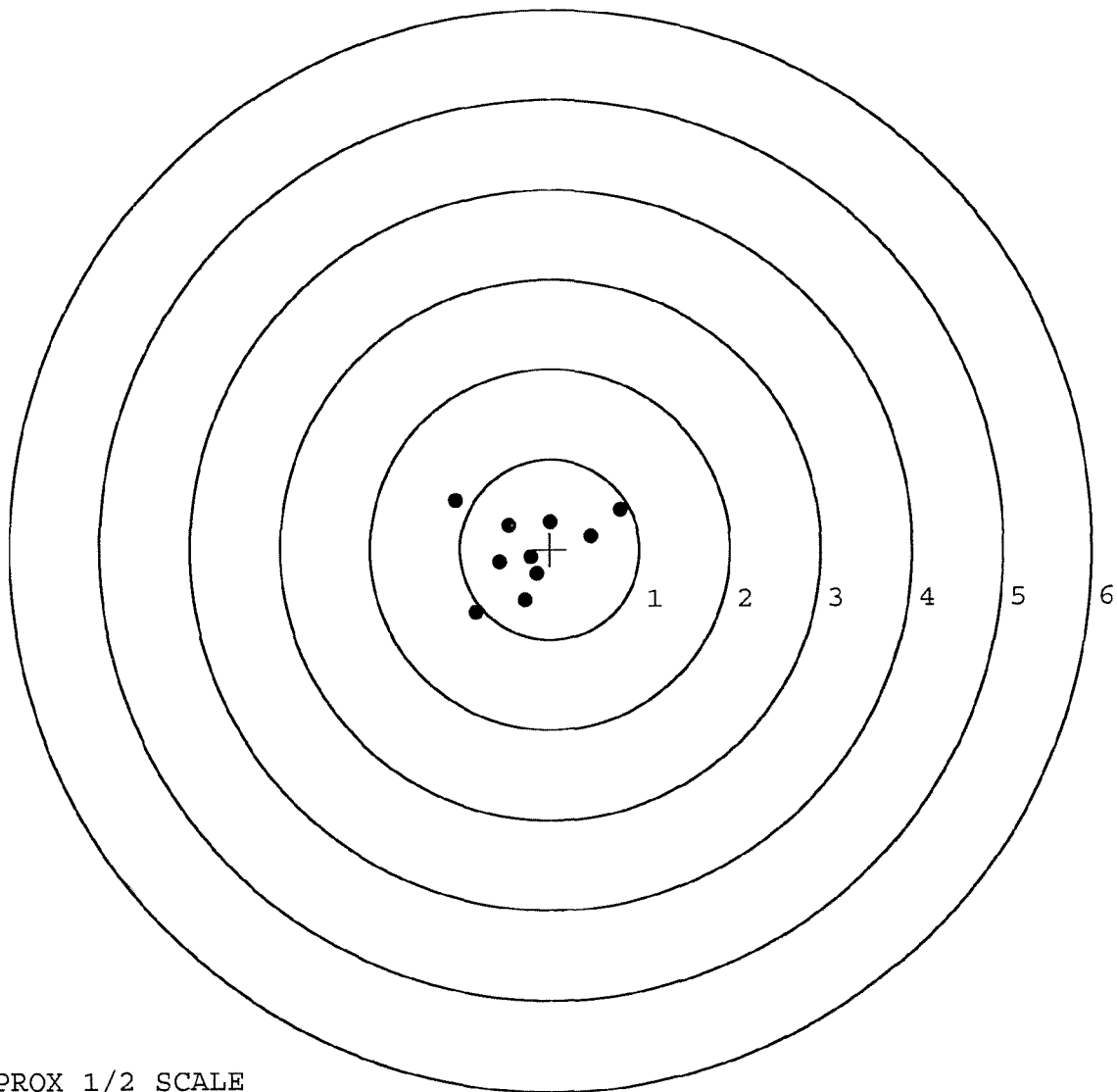
MEAN RADIUS: 0.576

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.832	-0.705
2:	-0.284	-0.568
3:	-0.150	-0.275
4:	-0.220	-0.089
5:	-0.466	0.269
6:	-1.053	0.545
7:	0.781	0.442
8:	0.460	0.151
9:	0.000	0.300
10:	-0.563	-0.142



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577160. 0

TARGET NUMBER: 4

FILE DATE: 07/12/2006

FILE TIME: 17:34

POINT#	X	Y
1:	0.594	0.762
2:	0.570	0.322
3:	-0.676	0.970
4:	-0.338	-0.012
5:	-0.863	-0.338
6:	-0.376	-0.618
7:	0.256	-0.705
8:	0.414	-0.105
9:	-0.094	0.444
10:	-0.662	0.421

X CENTROID: -0.117

Y CENTROID: 0.114

POA TO CENTROID: 0.164

HORZ SPREAD: 1.457

VERT SPREAD: 1.675

GROUP SPREAD: 1.917

MIN RADIUS: 0.254

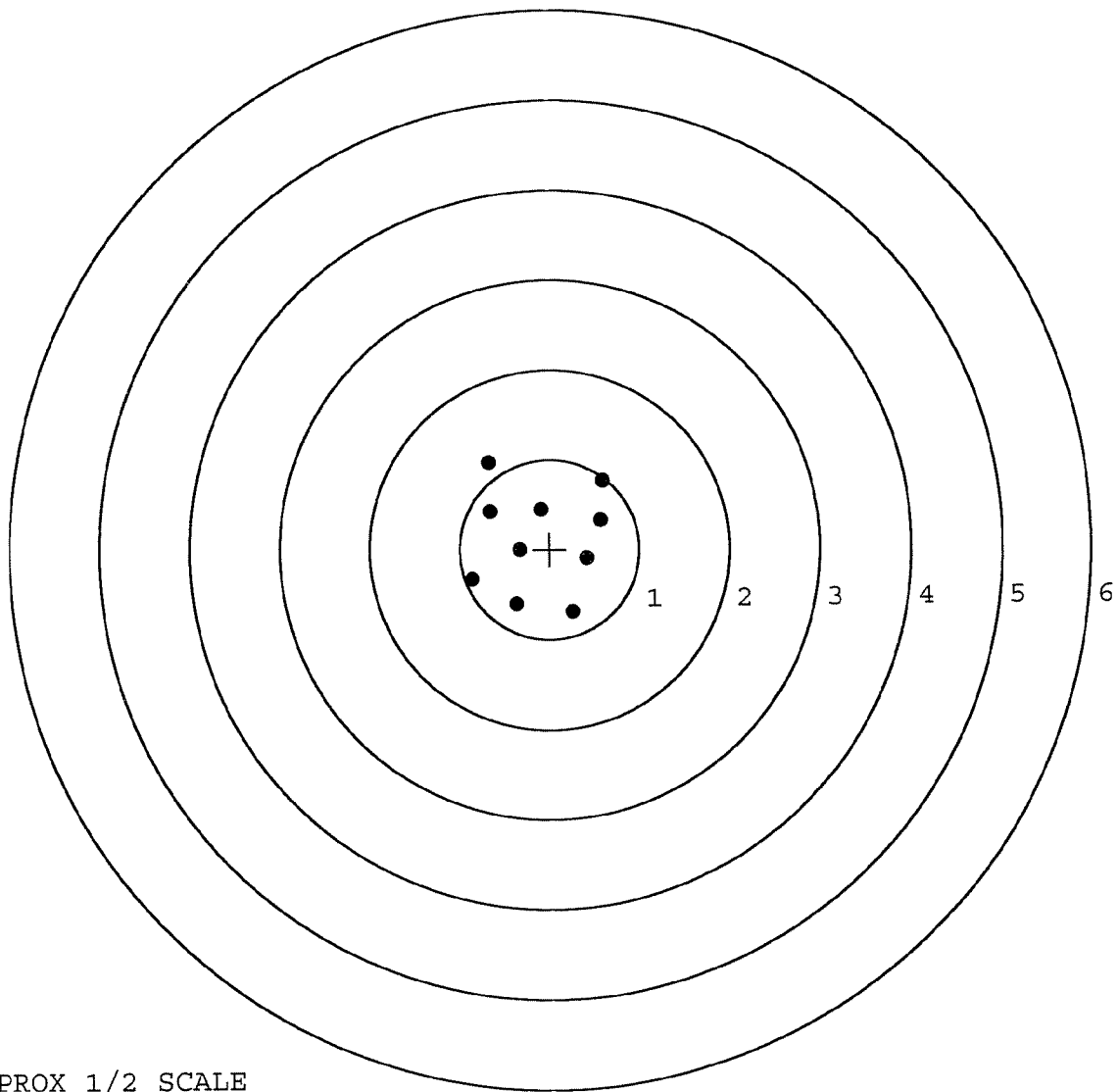
MAX RADIUS: 1.022

MEAN RADIUS: 0.704

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577160. 0

TARGET NUMBER: 5

FILE DATE: 07/12/2006

FILE TIME: 17:34

X CENTROID: -0.104

Y CENTROID: 0.108

POA TO CENTROID: 0.150

HORZ SPREAD: 1.330

VERT SPREAD: 1.643

GROUP SPREAD: 1.864

MIN RADIUS: 0.230

MAX RADIUS: 0.984

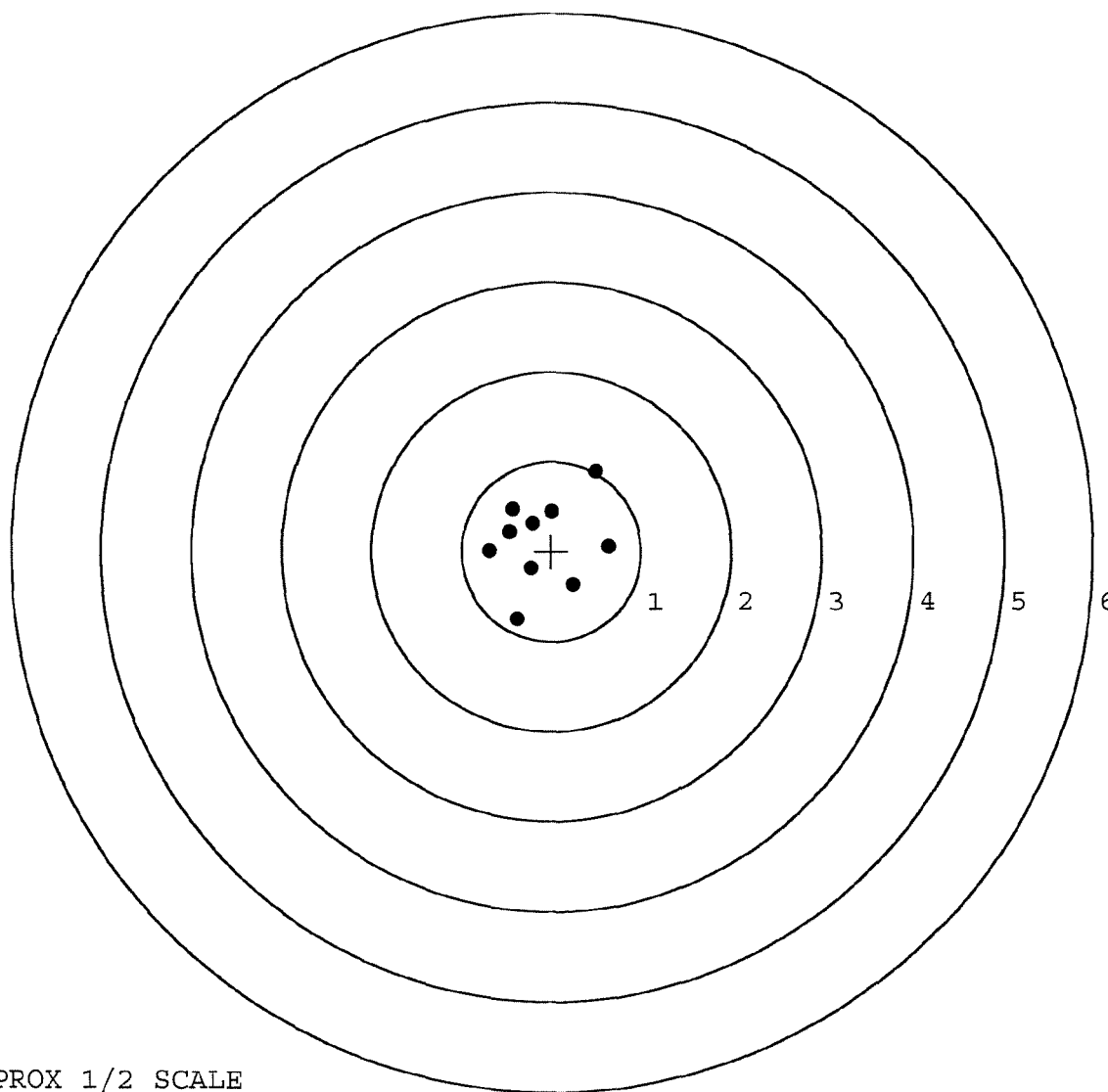
MEAN RADIUS: 0.560

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.497	0.887
2:	0.641	0.059
3:	0.005	0.441
4:	-0.434	0.470
5:	-0.689	0.010
6:	-0.473	0.217
7:	-0.218	0.308
8:	-0.384	-0.756
9:	0.245	-0.368
10:	-0.227	-0.187



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	113209	66577160 (New)	
SERIAL NUMBER	66288177		
LOG-IN DATE	6-5-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-5-06	RTZ
505	RE-BARREL	7-5-06	BLG
560	ASSEMBLE	7-5-06	BLG
600	PROOF	7-5-06	MTM
605	CHECK HEADSPACE	7-5-06	MTM
610	DIS-ASSEMBLE GUN	7-6-06	BLG
612	MAGNAFLUX	7/6/06	unms
510	DRILL AND TAP	7-6-06	TRW
615	ROLLMARK CALIBER	7-7-06	CW
618	ROTO-BLAST	7-7-06	LB
620	APPLY COATINGS	7/7	HP
625	FINAL ASSEMBLY	7-11-06	RTZ
640	FUNCTION TEST AND	PASS FAIL	7-12-06 R.P.W.
650	TARGET	PASS FAIL	7-12-06 R.P.W.
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		7-13-06 AC
	A) HEADSPACE	PASS FAIL	7-13-06 AC
	B) TRIGGER PULL	2.35 2.38 2.34 2.22 2.32	7-13-06 RA
	F) SAFETY ON FORCE	7.0 7.0 7.0	7-13-06 RA
	G) SAFETY OFF FORCE	3.0 3.0 3.0	7-13-06 RA
	I) FIRING PIN INDENT	.021 .022 .021	7-13-06 RA
690	PACK		8-1-06 RA

M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

- INSTRUCTION BOOK 3518

proof of purchase



owner registration sticker



DD FORM

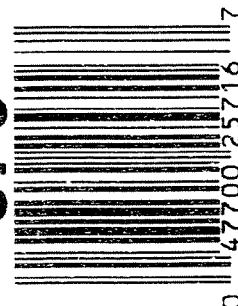
ORDER NO. **25716**

BARREL LENGTH **24"**

CAPACITY **6**

G6288177

UPC



VERY IMPORTANT
PLEASE DO NOT REISSUE
THIS ORDER TO ANY OTHER
PERSON WITHOUT THE
WRITTEN AUTHORITY OF
REMINGTON

Remington

M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

MADE IN U.S.A.
Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee

SERIAL NO.
66288177

ORDER NO.
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M/24 7.62 NATO S.W.S. (COMPLETE SYST

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ORDER 25716
M/24 7.62 NATO S.W.S. (COMPLETE SYST

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SERIAL NO.



INSPECTION CHECKLIST-NEW GUNS

GUN SERIAL # G6288177

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		11-12-03	RTZ
600	PROOF		11-12-03	Ac
607	CHECK HEADSPACE		11-12-03	Ac
610	DIS-ASSEMBLE GUN		11-12-03	RF
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT	OPERATOR <i>BD</i>		
615	ROLLMARK CALIBER		11-13-03	AB
617	DRILL AND TAP SIGHT HOLES		11-13-03	TRCJ
620	APPLY COATINGS (BARREL ACTION)			
	(BOLT)			
625	FINAL ASSEMBLY			
	A) CLEAN INSIDE OF BOLT ASSEMBLY		11/22/03	Rw
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		11/22/03	Rw
	C) INSPECT EJECTOR HOLE FOR CHAMFER		11/22/03	Rw
	D) OIL FIRING PIN ASSEMBLY		11/22/03	Rw
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE	2.50 LBS +/- .5 LBS		

OP #	OPERATION NAME	BARBER - M24 0086182	READINGS	DATE	INITIAL
625	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	<u>6</u> <u>5</u> <u>5</u>	12/4/13	RW
CONT.					
	G) SAFETY OFF FORCE	2 LBS MIN	<u>2</u> <u>2</u> <u>2</u>	12/4/13	RW
	H) TRIGGER PULL TEST AND RETAINABILITY				
	I) FIRING PIN INDENT	.020 MIN	<u>.024</u> <u>.0235</u> <u>.024</u>	12/3/13	RW
	J) ASSEMBLE STOCK			11/22/13	RW
	K) ASSEMBLE SWIVEL STUDS			12-6-13	RJL
	L) ATTACH FRONT AND REAR SIGHT ASSY'S			11/23/13	RW
	M) IRON SIGHT ALIGNMENT			11/23/13	RW
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER			11/23/13	RW
640	GALLERY TEST AND TARGET		PASS FAIL	12-1-13	✓
	MALFUNCTION		CORRECTION	12-1-13	✓
	MALFUNCTION		CORRECTION	12-1-13	✓
	MALFUNCTION		CORRECTION	12-1-13	✓
	MALFUNCTION		CORRECTION	12-1-13	✓
645	INSPECT FOR LIVE AMMO			12-1-13	✓
655	FINAL INSPECTION A) HEADSPACE			12-6-13	RK
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<u>2.11</u> <u>2.36</u> <u>2.28</u> <u>2.16</u> <u>2.30</u>	12/3/13	RW
	C) FUNCTION			12-6-13	RJL
660	PACK			12/3/13	RJA

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

BARBER - M24 0086183

SERIAL NO. _____

2.50 LBS (plus or minus 0.50 LBS)

DATE 11-21-03

3.00 LBS (plus or minus 0.75 LBS)

TESTER TRW

4.00 LBS (plus or minus 1.00 LBS)

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.53	2.76		2.55	
PULL #2	2.61	2.32		2.87	
PULL #3	2.46	2.16		2.87	
PULL #4	2.34	2.40		2.50	
PULL #5	2.44	2.43		2.89	
TOTAL	12.38	12.07		13.68	
AVERAGE	2.47	2.41		2.73	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.30		
PULL #2	3.16	3.03		
PULL #3	3.49	3.07		
PULL #4	3.03	2.96		
PULL #5	3.47	3.06		
TOTAL	16.44	15.42		
AVERAGE	3.28	3.08		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.23	4.62		3.97
PULL #2	3.91	4.46		4.02
PULL #3	4.05	4.43		4.16
PULL #4	3.55	4.35		4.12
PULL #5	3.98	4.55		3.96
TOTAL	19.72	22.41		20.23
AVERAGE	3.94	4.48		4.04

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6288177.___0
FILE DATE AND TIME: 12/01/2003 11:06

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.118
The Average Y Centroid of the Five Target Set:	0.150
The Average Point of Impact of the Five Target Set:	0.191
The Average Mean Radius of the Five Target Set:	0.969
The Distance from POA to Centroid Target #1:	0.391
The Distance from Centroid Target #2 to Centroid Target #1:	0.670
The Distance from Centroid Target #3 to Centroid Target #1:	0.372
The Distance from Centroid Target #4 to Centroid Target #1:	0.078
The Distance from Centroid Target #5 to Centroid Target #1:	0.335

SERIAL NUMBER: G6288177. __0

TARGET NUMBER: 1

FILE DATE: 12/01/2003

FILE TIME: 11:06

X CENTROID: -0.361

Y CENTROID: 0.151

POA TO CENTROID: 0.391

HORZ SPREAD: 2.199

VERT SPREAD: 3.422

GROUP SPREAD: 3.770

MIN RADIUS: 0.257

MAX RADIUS: 1.935

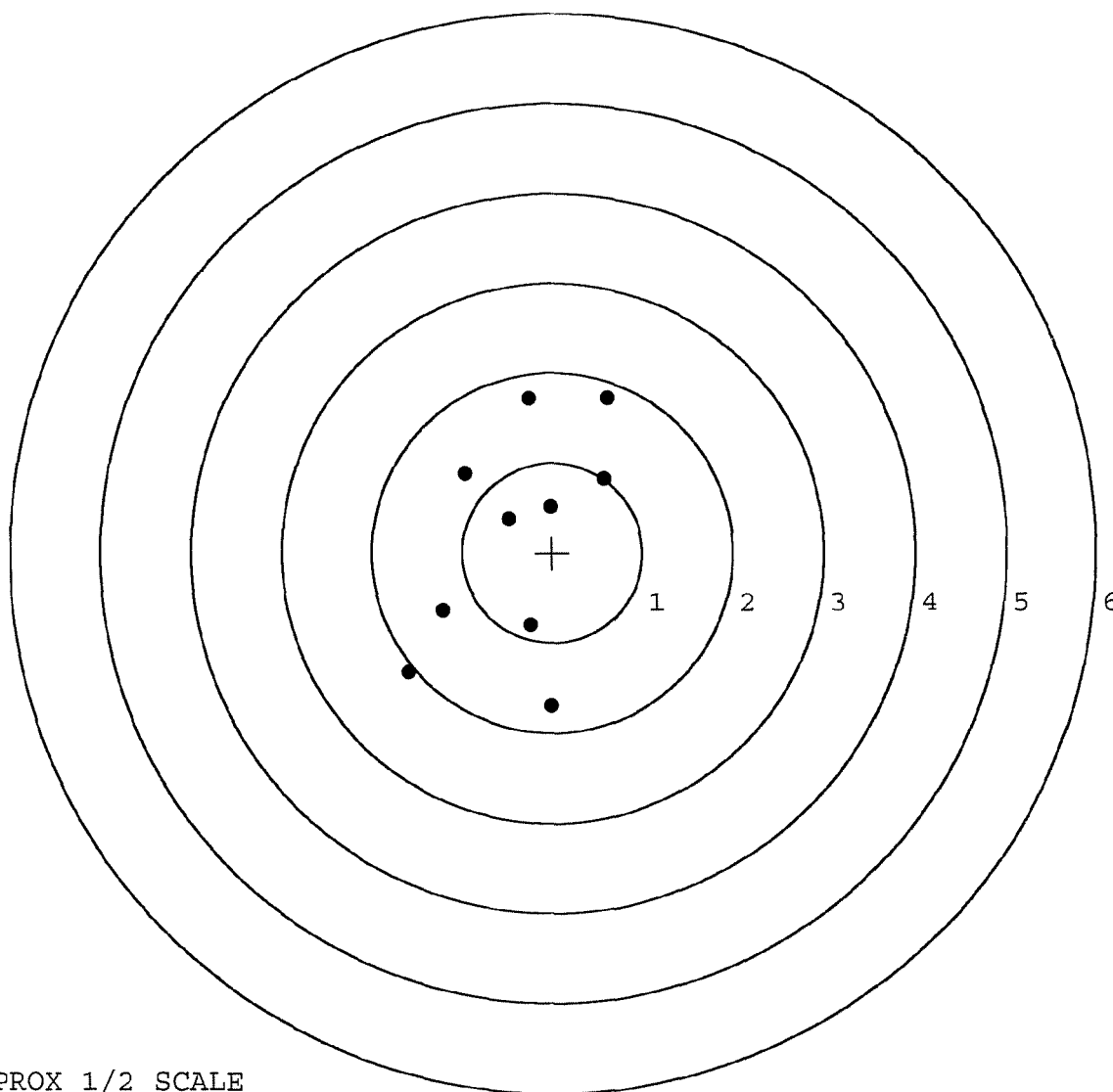
MEAN RADIUS: 1.222

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.610	1.717
2:	-0.273	1.711
3:	-0.969	0.880
4:	-0.488	0.375
5:	-0.021	0.507
6:	0.578	0.826
7:	-1.207	-0.647
8:	-1.589	-1.345
9:	-0.242	-0.810
10:	-0.011	-1.705



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288177. __0

TARGET NUMBER: 2

FILE DATE: 12/01/2003

FILE TIME: 11:06

POINT#	X	Y
1:	0.243	1.879
2:	0.312	1.239
3:	-0.056	0.903
4:	0.071	0.379
5:	1.811	1.222
6:	-0.623	-0.256
7:	-0.271	-0.104
8:	0.143	-0.421
9:	0.414	-0.399
10:	0.675	-0.734

X CENTROID: 0.272

Y CENTROID: 0.371

POA TO CENTROID: 0.460

HORZ SPREAD: 2.434

VERT SPREAD: 2.613

GROUP SPREAD: 2.848

MIN RADIUS: 0.201

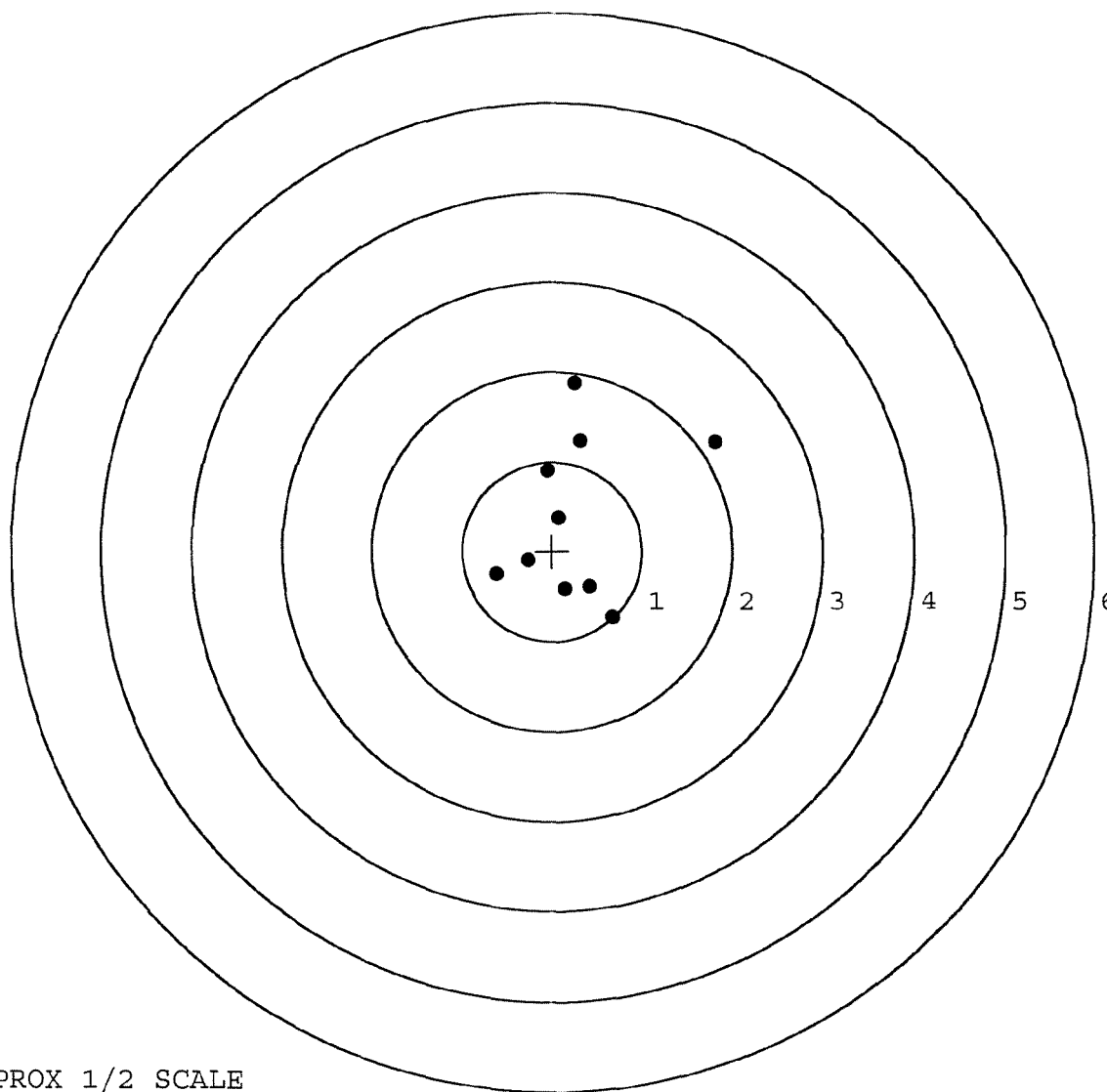
MAX RADIUS: 1.759

MEAN RADIUS: 0.954

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288177. __0

TARGET NUMBER: 3

FILE DATE: 12/01/2003

FILE TIME: 11:06

POINT#	X	Y
1:	0.987	1.270
2:	0.671	0.800
3:	0.127	0.918
4:	-0.351	0.465
5:	-1.181	0.193
6:	-0.474	1.739
7:	0.772	-0.371
8:	0.321	-1.220
9:	-0.128	-0.953
10:	-0.666	-0.845

X CENTROID: 0.008

Y CENTROID: 0.200

POA TO CENTROID: 0.200

HORZ SPREAD: 2.168

VERT SPREAD: 2.959

GROUP SPREAD: 3.064

MIN RADIUS: 0.446

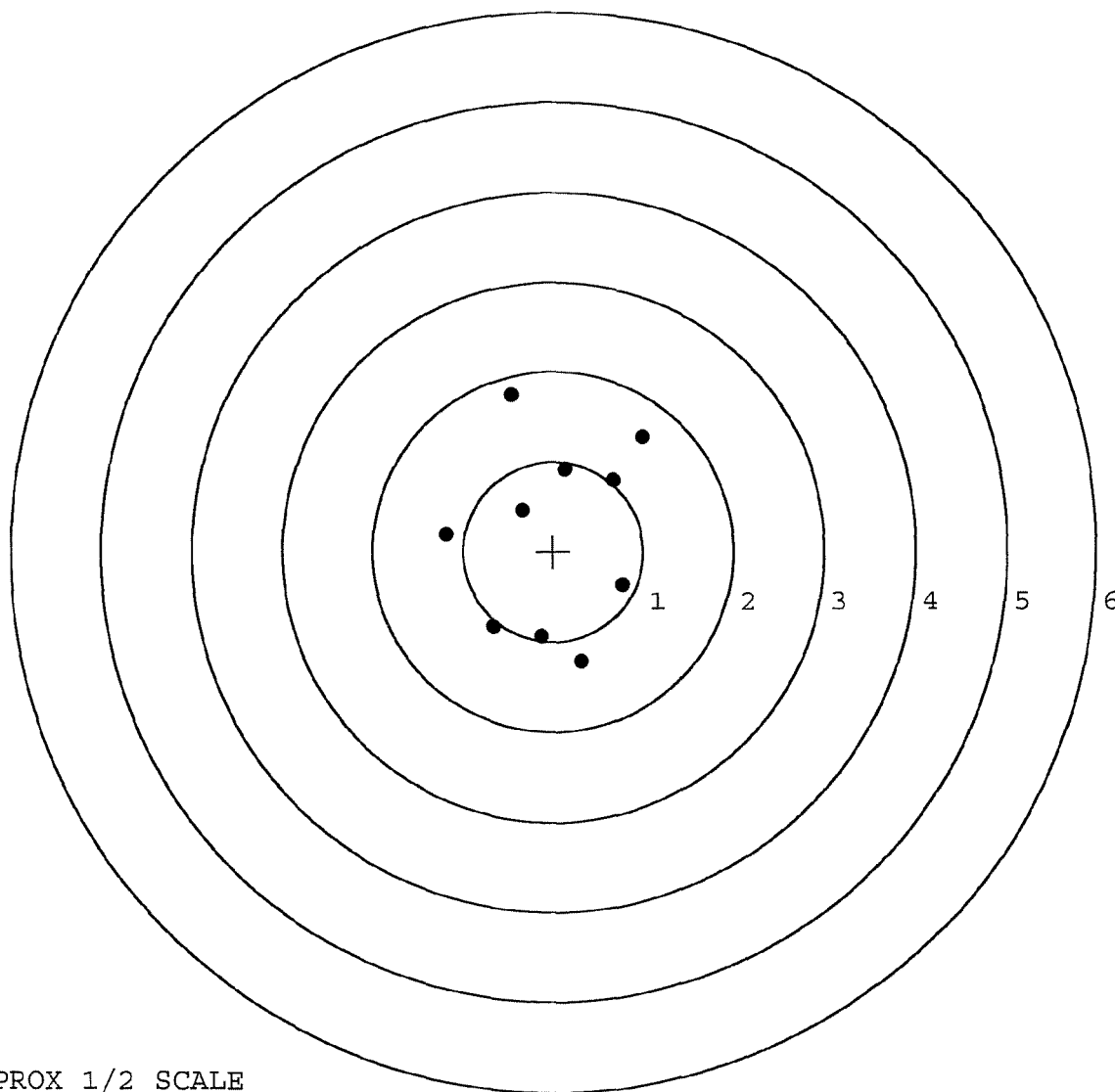
MAX RADIUS: 1.613

MEAN RADIUS: 1.113

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288177. __0

TARGET NUMBER: 4

FILE DATE: 12/01/2003

FILE TIME: 11:06

X CENTROID: -0.409

Y CENTROID: 0.089

POA TO CENTROID: 0.418

HORZ SPREAD: 2.186

VERT SPREAD: 1.672

GROUP SPREAD: 2.214

MIN RADIUS: 0.189

MAX RADIUS: 1.201

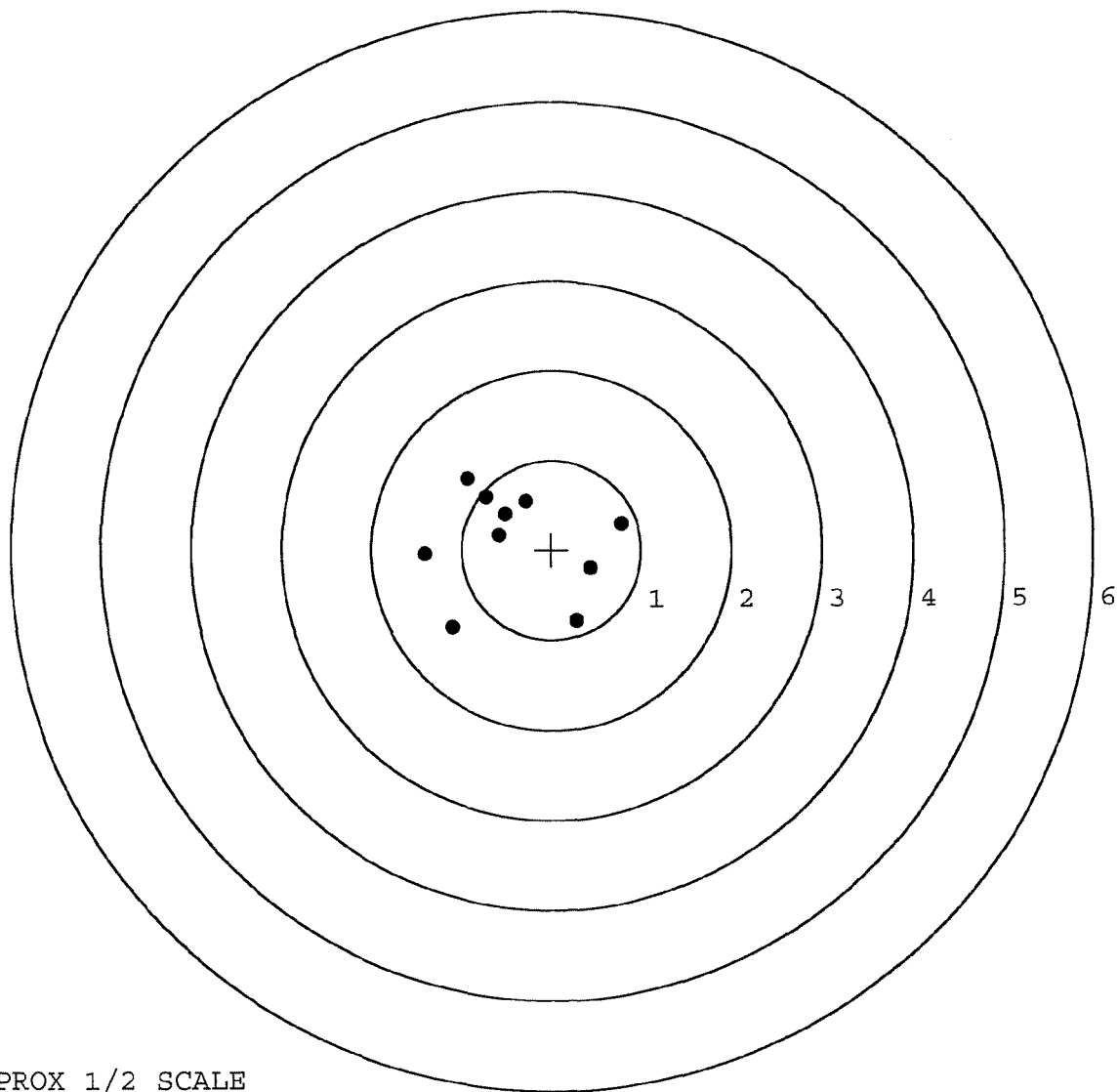
MEAN RADIUS: 0.789

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.775	0.294
2:	0.438	-0.203
3:	0.279	-0.788
4:	-1.107	-0.873
5:	-1.411	-0.050
6:	-0.936	0.799
7:	-0.288	0.542
8:	-0.733	0.598
9:	-0.580	0.168
10:	-0.524	0.404



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288177. 0

TARGET NUMBER: 5

FILE DATE: 12/01/2003

FILE TIME: 11:06

X CENTROID: -0.100

Y CENTROID: -0.059

POA TO CENTROID: 0.116

HORZ SPREAD: 1.436

VERT SPREAD: 2.215

GROUP SPREAD: 2.277

MIN RADIUS: 0.338

MAX RADIUS: 1.307

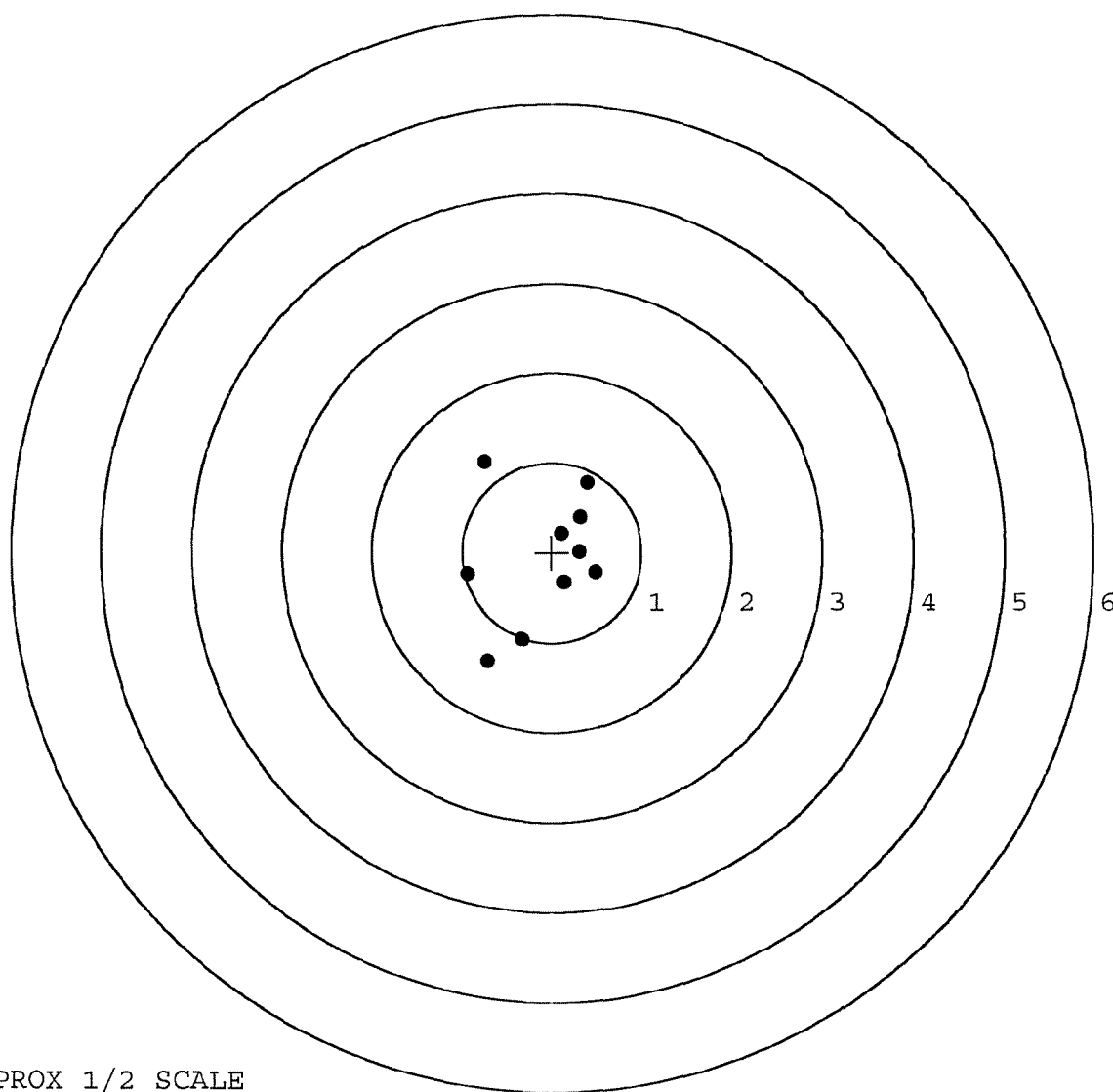
MEAN RADIUS: 0.767

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.752	1.005
2:	-0.945	-0.241
3:	-0.338	-0.968
4:	-0.718	-1.210
5:	0.395	0.776
6:	0.315	0.389
7:	0.109	0.207
8:	0.134	-0.330
9:	0.491	-0.225
10:	0.313	0.007



TARGET APPROX 1/2 SCALE