

G 6308 463

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: RE00144840

Serial: G6300463 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 4/24/2008 10:56:15 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: B/210TH BSB

B/210TH BSB

Address 1: 2 BCT

2 BCT

Address 2: 10 TH MTN DIV

PO Box:

10 TH MTN DIV

PO Box:

City: FORT DRUM

FORT DRUM

State: NY

Zip Code: 13602

Country: US

State: NY

Zip Code: 13602

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
A008	With Swivel	2
A010	Hard Case	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

naglej

4/24/2008

12:26 PM

CAPS

NUM

start

4 Micros...

The Asso...

2 Micros...

SAP Logo...

Arms Ser...

Serial Number: G6300463

Model: M24 SWS



RE00144840

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6300463.___0
FILE DATE AND TIME: 05/22/2008 05:50

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.020
The Average Y Centroid of the Five Target Set:	-0.088
The Average Point of Impact of the Five Target Set:	0.090
The Average Mean Radius of the Five Target Set:	0.951
The Distance from POA to Centroid Target #1:	0.173
The Distance from Centroid Target #2 to Centroid Target #1:	0.384
The Distance from Centroid Target #3 to Centroid Target #1:	0.088
The Distance from Centroid Target #4 to Centroid Target #1:	0.230
The Distance from Centroid Target #5 to Centroid Target #1:	0.662

SERIAL NUMBER: C6300463. __0

TARGET NUMBER: 1

FILE DATE: 05/22/2008

FILE TIME: 05:50

POINT#	X	Y
1:	1.336	-0.289
2:	-0.208	-1.016
3:	-0.202	0.181
4:	-0.342	0.076
5:	-0.567	-0.150
6:	-1.167	0.433
7:	-0.371	2.487
8:	0.162	0.026
9:	0.245	-0.097
10:	0.089	-0.256

X CENTROID: -0.102

Y CENTROID: 0.139

POA TO CENTROID: 0.173

HORZ SPREAD: 2.503

VERT SPREAD: 3.503

GROUP SPREAD: 3.507

MIN RADIUS: 0.108

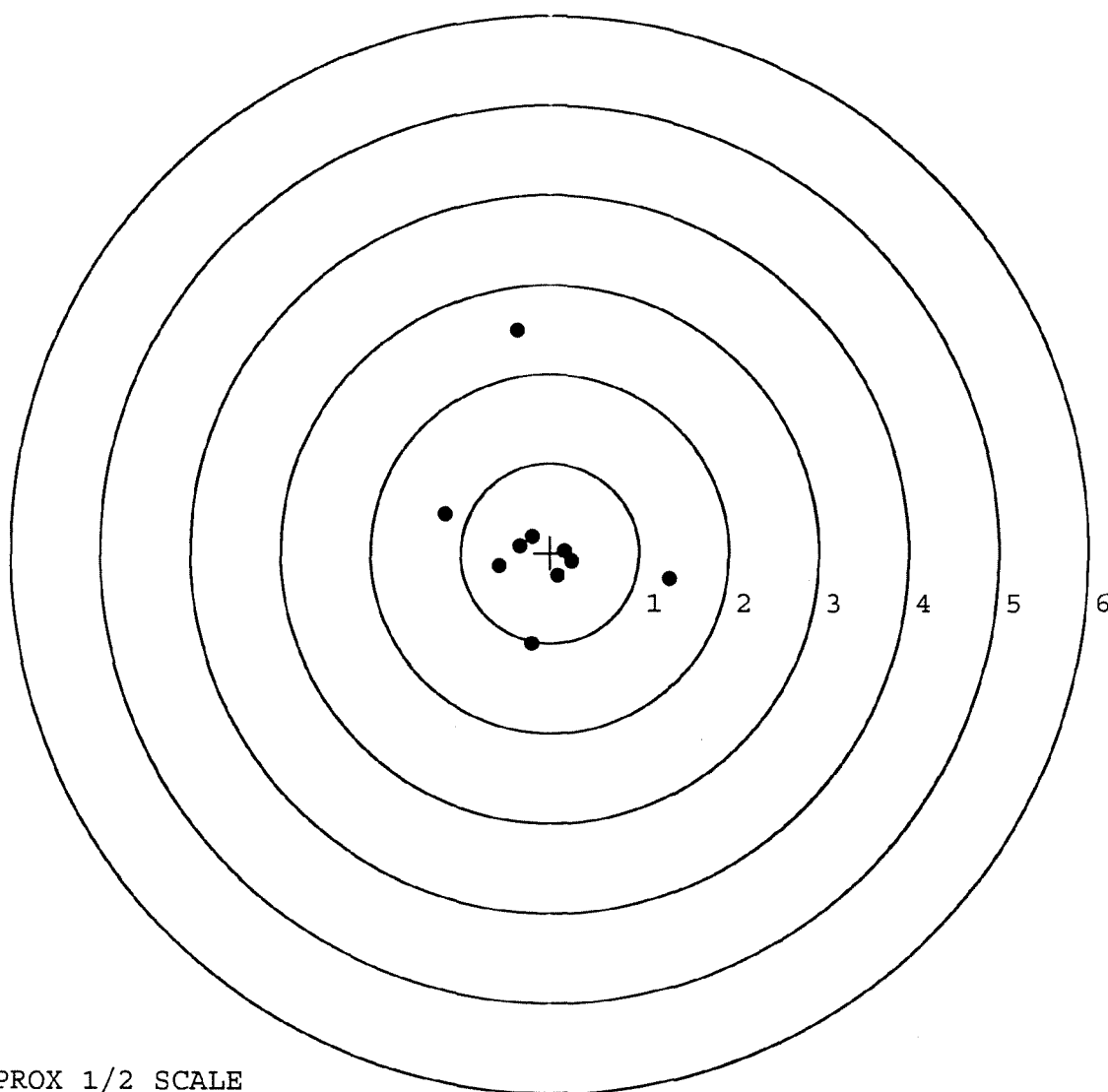
MAX RADIUS: 2.363

MEAN RADIUS: 0.818

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6300463. __0

TARGET NUMBER: 2

FILE DATE: 05/22/2008

FILE TIME: 05:50

POINT#	X	Y
--------	---	---

1:	2.088	-0.325
----	-------	--------

2:	0.711	-0.017
----	-------	--------

3:	0.267	-1.044
----	-------	--------

4:	0.233	-0.499
----	-------	--------

5:	-0.198	-0.490
----	--------	--------

6:	-0.978	-0.131
----	--------	--------

7:	-0.285	0.474
----	--------	-------

8:	0.067	0.458
----	-------	-------

9:	0.085	0.722
----	-------	-------

10:	-0.231	-0.402
-----	--------	--------

X CENTROID: 0.176

Y CENTROID: -0.125

POA TO CENTROID: 0.216

HORZ SPREAD: 3.066

VERT SPREAD: 1.766

GROUP SPREAD: 3.072

MIN RADIUS: 0.378

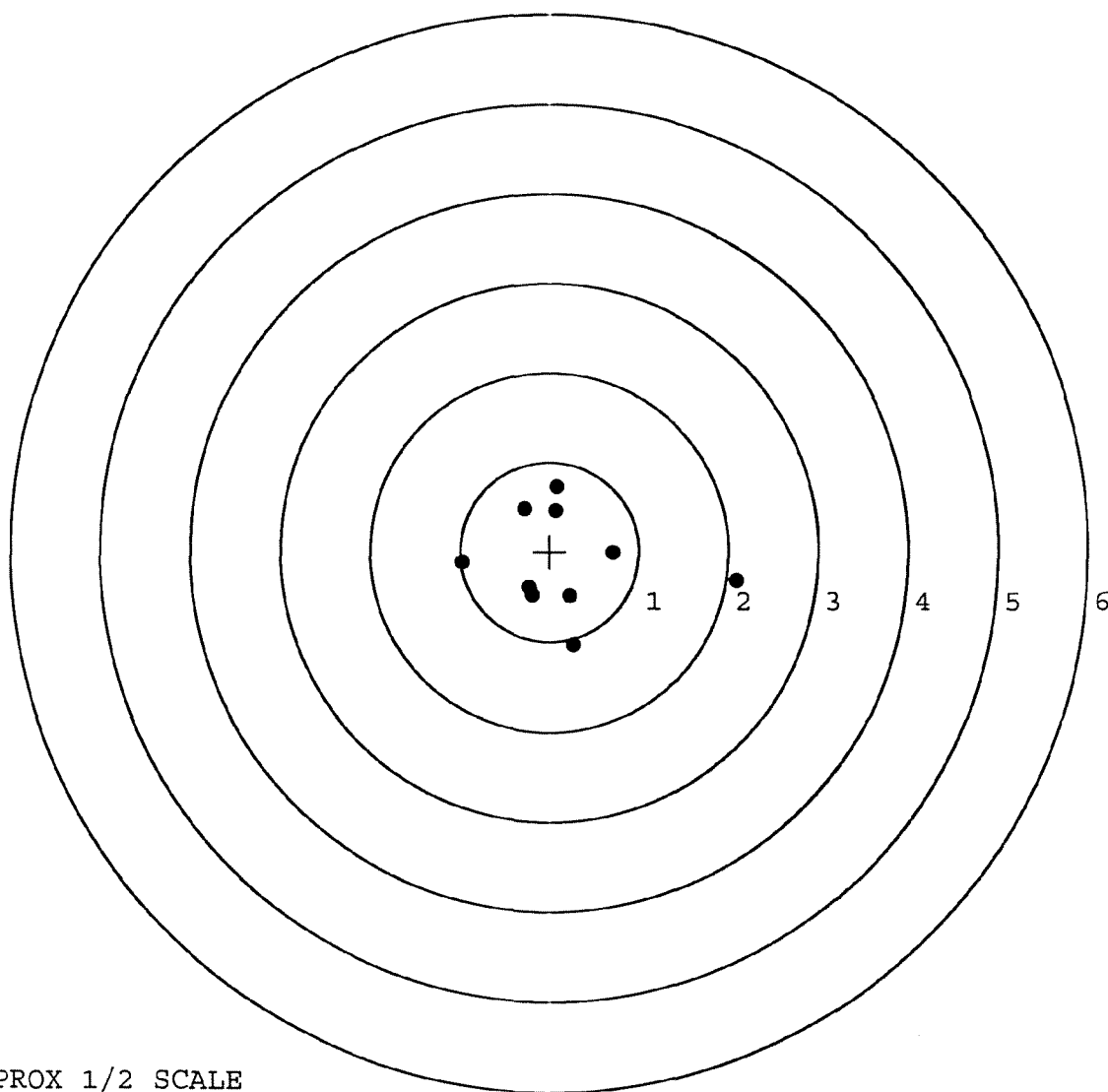
MAX RADIUS: 1.922

MEAN RADIUS: 0.814

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6300463. __0

TARGET NUMBER: 3

FILE DATE: 05/22/2008

FILE TIME: 05:50

POINT#	X	Y
1:	0.818	-0.837
2:	0.799	-0.628
3:	0.915	-0.409
4:	0.300	-0.342
5:	0.071	0.266
6:	-0.058	-0.011
7:	-0.730	0.356
8:	-0.960	0.981
9:	-0.438	1.524
10:	-2.617	0.420

X CENTROID: -0.190

Y CENTROID: 0.132

POA TO CENTROID: 0.231

HORZ SPREAD: 3.532

VERT SPREAD: 2.361

GROUP SPREAD: 3.658

MIN RADIUS: 0.195

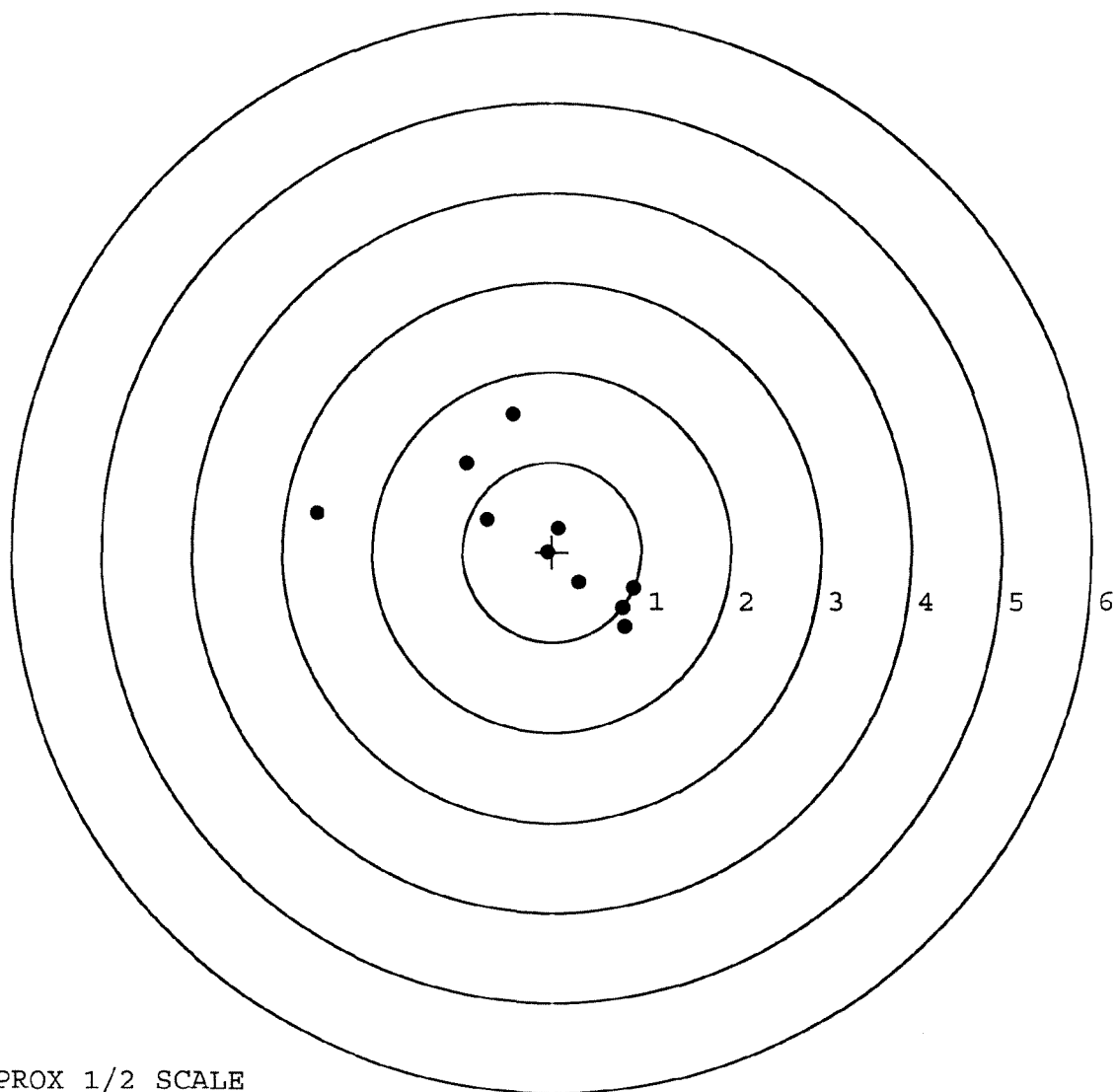
MAX RADIUS: 2.444

MEAN RADIUS: 1.063

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 9

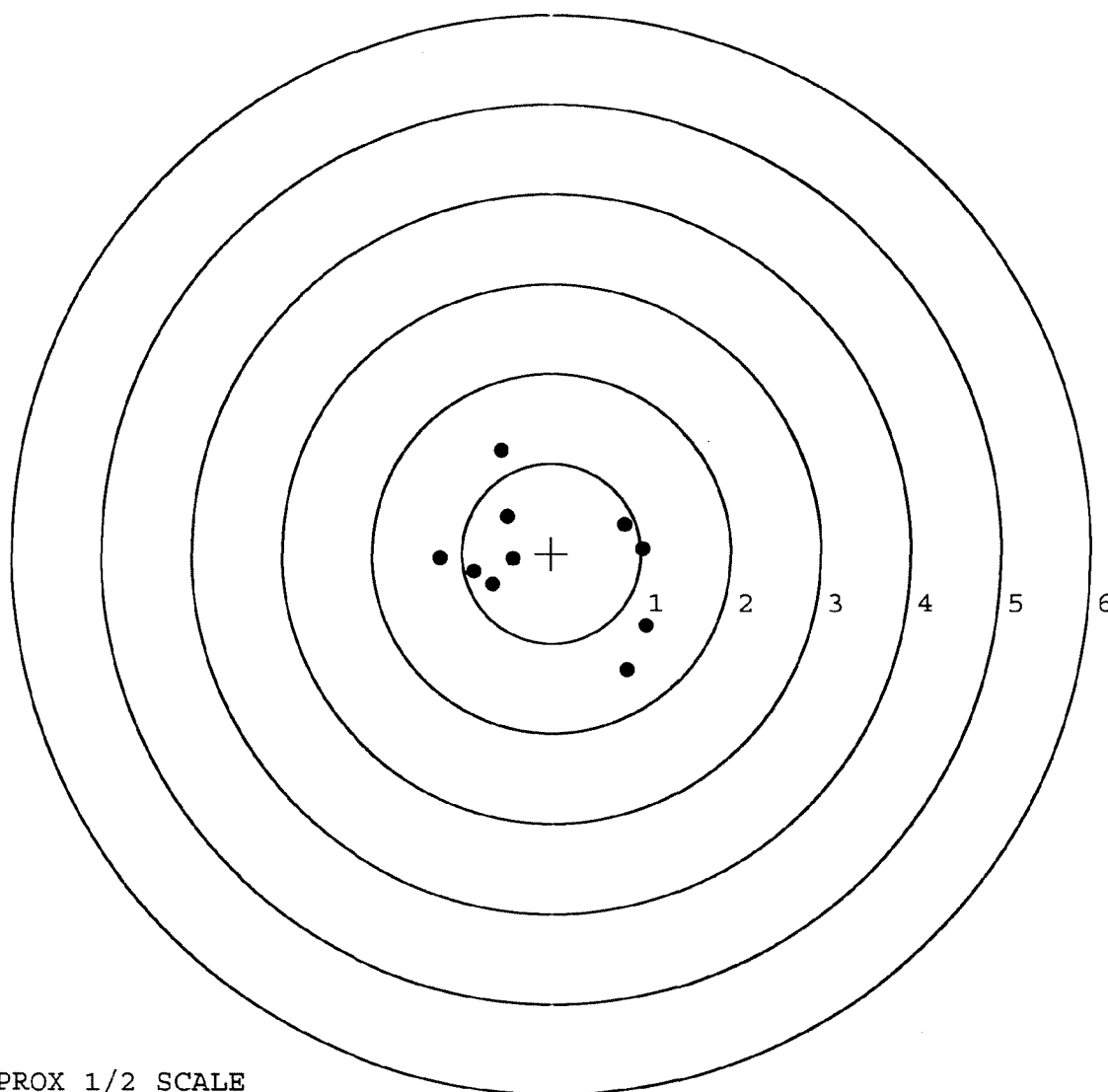


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6300463. __0
TARGET NUMBER: 4
FILE DATE: 05/22/2008
FILE TIME: 05:50

POINT#	X	Y
1:	0.845	-1.301
2:	1.059	-0.808
3:	1.023	0.049
4:	0.817	0.326
5:	-0.563	1.145
6:	-0.499	0.410
7:	-0.427	-0.060
8:	-0.655	-0.349
9:	-0.871	-0.200
10:	-1.245	-0.058

X CENTROID: -0.052
Y CENTROID: -0.085
POA TO CENTROID: 0.099
HORZ SPREAD: 2.304
VERT SPREAD: 2.446
GROUP SPREAD: 2.822
MIN RADIUS: 0.376
MAX RADIUS: 1.511
MEAN RADIUS: 0.993
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9

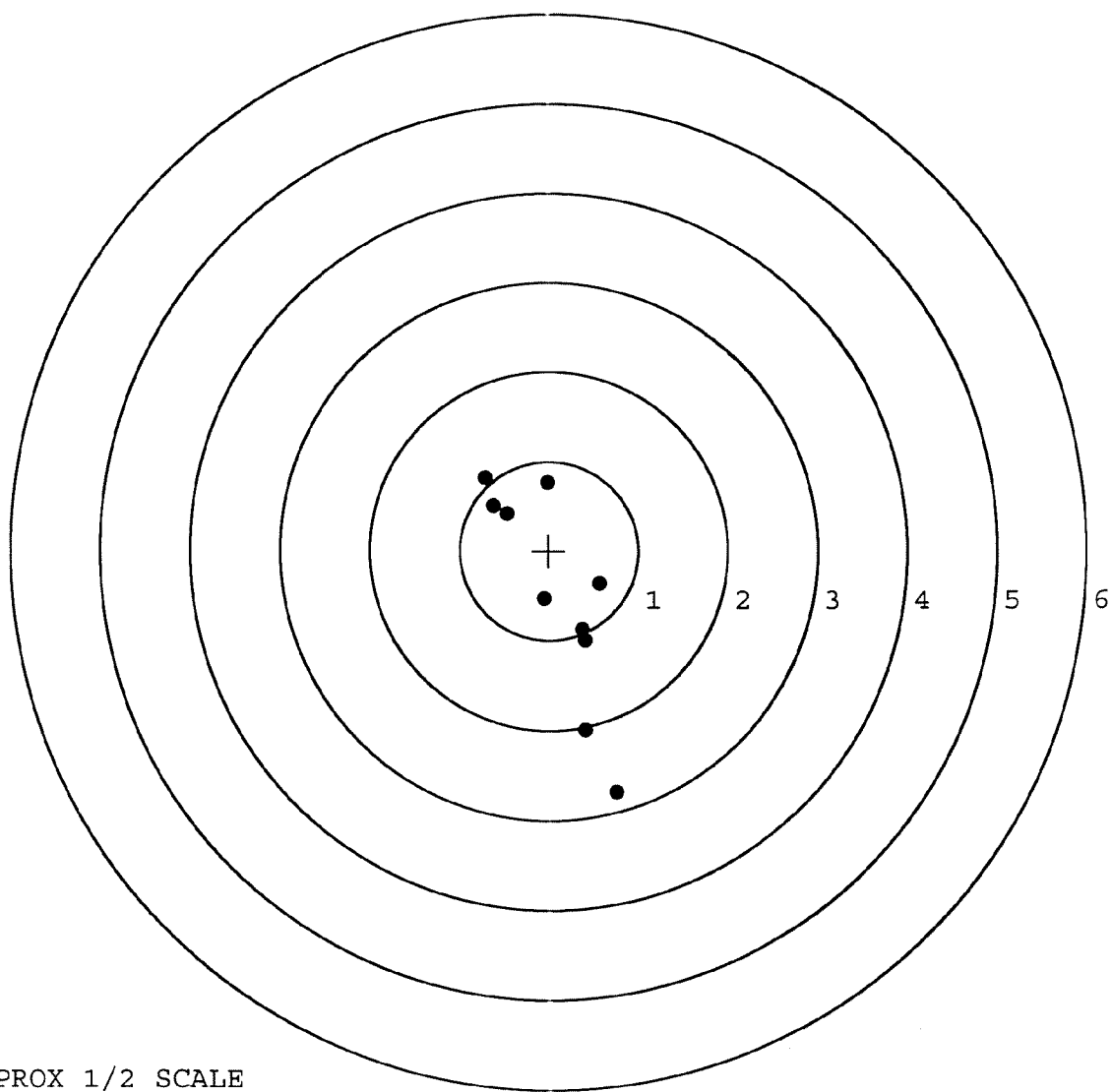


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6300463.___0
TARGET NUMBER: 5
FILE DATE: 05/22/2008
FILE TIME: 05:50

X CENTROID: 0.066
Y CENTROID: -0.500
POA TO CENTROID: 0.505
HORZ SPREAD: 1.474
VERT SPREAD: 3.507
GROUP SPREAD: 3.804
MIN RADIUS: 0.129
MAX RADIUS: 2.293
MEAN RADIUS: 1.068
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.757	-2.687
2:	0.413	-2.000
3:	0.413	-1.012
4:	0.378	-0.890
5:	0.573	-0.378
6:	-0.055	-0.545
7:	-0.015	0.764
8:	-0.467	0.418
9:	-0.622	0.506
10:	-0.717	0.820



TARGET APPROX 1/2 SCALE

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

R & E NUMBER 144840
SERIAL NUMBER 66300463
LOG-IN DATE 4-24-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	5-5-08	RTZ
505	RE-BARREL	5-6-08	RTZ
560	ASSEMBLE	5-6-08	RTZ
600	PROOF	5-7-08	TRW
605	CHECK HEADSPACE	5-7-08	TRW
610	DIS-ASSEMBLE GUN	5-7-08	RTZ
612	MAGNAFLUX	5/9/08	mmms
510	DRILL AND TAP	5-7-08	TRW
615	ROLLMARK CALIBER	5-7-08	CW
618	ROTO-BLAST	5-9-08	DG
620	APPLY COATINGS	5/18/08	CM
625	FINAL ASSEMBLY	5-21-08	RP
640	FUNCTION TEST AND	5-21-08	SD
650	TARGET	5-21-08	SD
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	5/22/08	Fm
	A) HEADSPACE	5/22/08	Fm
	B) TRIGGER PULL	2.46 2.50 2.45 2.48 2.49 5-22-08	TRW
680	F) SAFETY ON FORCE	6- 6- 5.5 5/22/08	Fm
	G) SAFETY OFF FORCE	3- 3- 2.5 5/22/08	Fm
	I) FIRING PIN INDENT	.024 .024 .024 5/22/08	Fm
690	PACK	5/27/08	Fm

Serial Number: **G6300463**

Model: **M24 SWS**



RE00106039

CONTROL COPY 3

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

R & E NUMBER	106039			
SERIAL NUMBER	G4300403			
LOG-IN DATE	1-05-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		1-5-06	RTZ
505	RE-BARREL		1-6-06	RTZ
560	ASSEMBLE		1-6-06	RTZ
600	PROOF	MAGNA-FLUX	1-6-06	BG
605	CHECK HEADSPACE	INSPECTED	1-6-06	AC
610	DIS-ASSEMBLE GUN	JAN 10 2006	1-6-06	AC
612	MAGNAFLUX	OPERATOR <i>WMB</i>	1/10/06	<i>WMB</i>
510	DRILL AND TAP		1-10-06	TRW
615	ROLLMARK CALIBER		1-10-06	CW
618	ROTO-BLAST		1-10-06	LB
620	APPLY COATINGS		1/11	HP
625	FINAL ASSEMBLY		1-16-06	RTZ
640	FUNCTION TEST AND	<u>PASS</u> FAIL	1-18-06	TRW
650	TARGET	<u>PASS</u> FAIL		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	1-18-06	TRW
670	FINAL INSPECTION		1-23-06	AC
	A) HEADSPACE	<u>PASS</u> FAIL	1-23-06	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		N/A
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	6 lbs 6 lbs 6 lbs	A
	G) SAFETY OFF FORCE	2 LBS MIN	3 lbs 3 lbs 3 lbs	A
	I) FIRING PIN INDENT	.020		
690	PACK		1-24-06	RA

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6300463.__1

FILE DATE AND TIME: 01/18/2006 14:33

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.050
The Average Y Centroid of the Five Target Set:	-0.048
The Average Point of Impact of the Five Target Set:	0.069
The Average Mean Radius of the Five Target Set:	0.944
The Distance from POA to Centroid Target #1:	0.136
The Distance from Centroid Target #2 to Centroid Target #1:	0.131
The Distance from Centroid Target #3 to Centroid Target #1:	0.565
The Distance from Centroid Target #4 to Centroid Target #1:	0.053
The Distance from Centroid Target #5 to Centroid Target #1:	0.066

SERIAL NUMBER: G6300463. __1

TARGET NUMBER: 1

FILE DATE: 01/18/2006

FILE TIME: 14:33

POINT#	X	Y
1:	0.729	-0.819
2:	0.501	-0.607
3:	0.535	-0.311
4:	-0.607	-0.777
5:	-0.639	-0.655
6:	-0.038	-0.376
7:	0.080	-0.130
8:	-0.093	0.250
9:	-0.042	0.713
10:	0.309	1.566

X CENTROID: 0.073

Y CENTROID: -0.115

POA TO CENTROID: 0.136

HORZ SPREAD: 1.368

VERT SPREAD: 2.385

GROUP SPREAD: 2.516

MIN RADIUS: 0.017

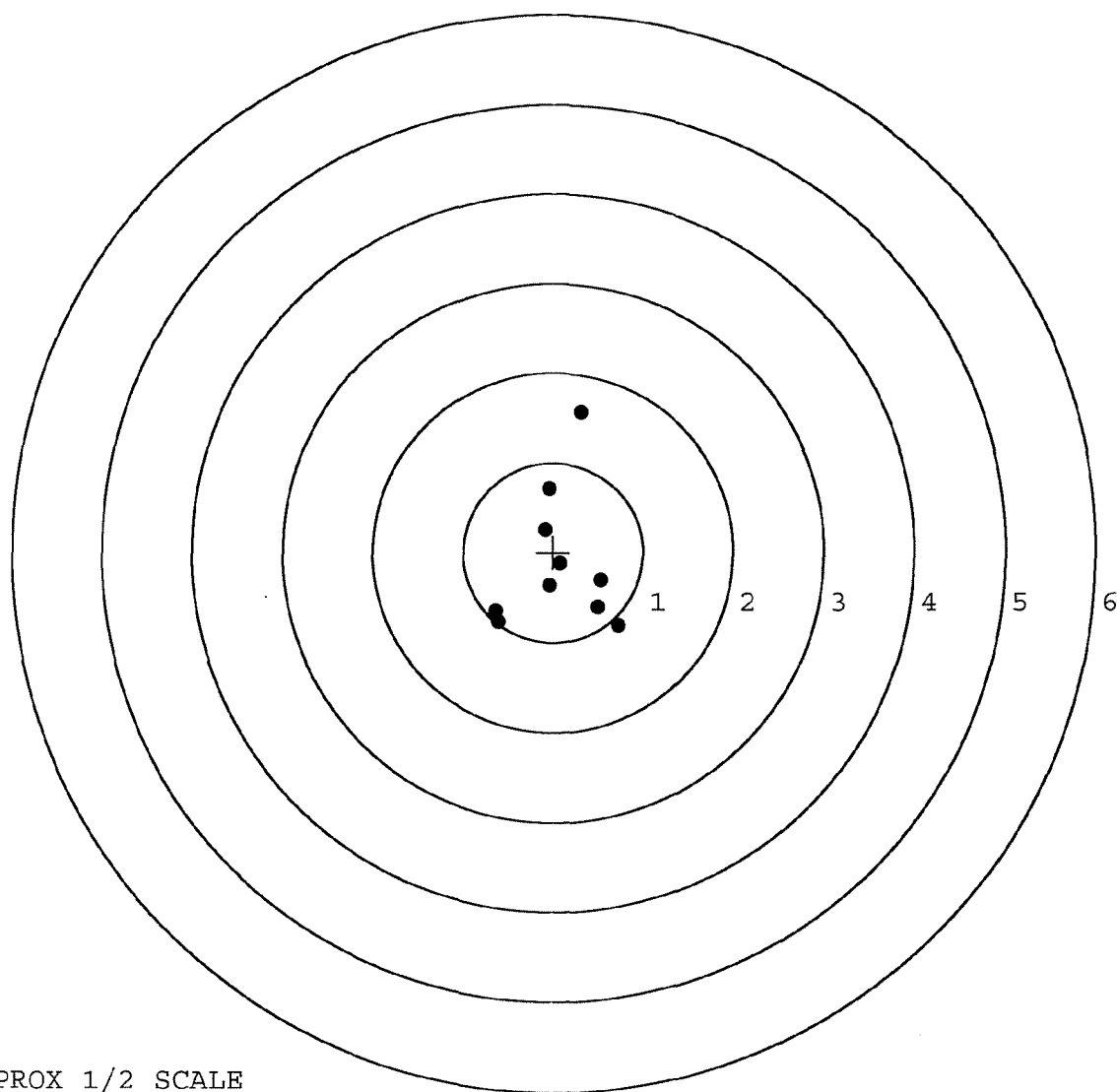
MAX RADIUS: 1.697

MEAN RADIUS: 0.719

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

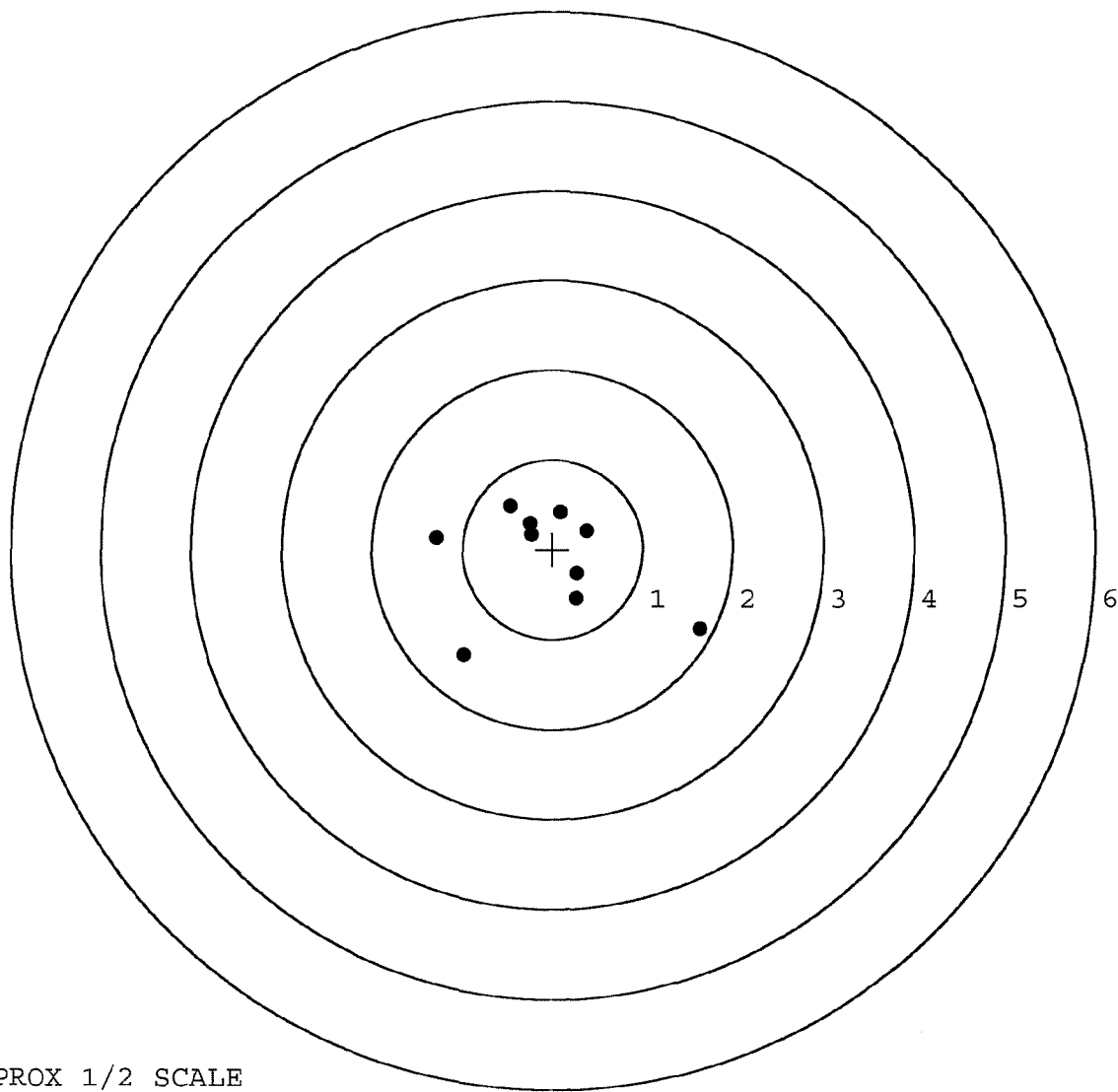
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300463. __1
TARGET NUMBER: 2
FILE DATE: 01/18/2006
FILE TIME: 14:33

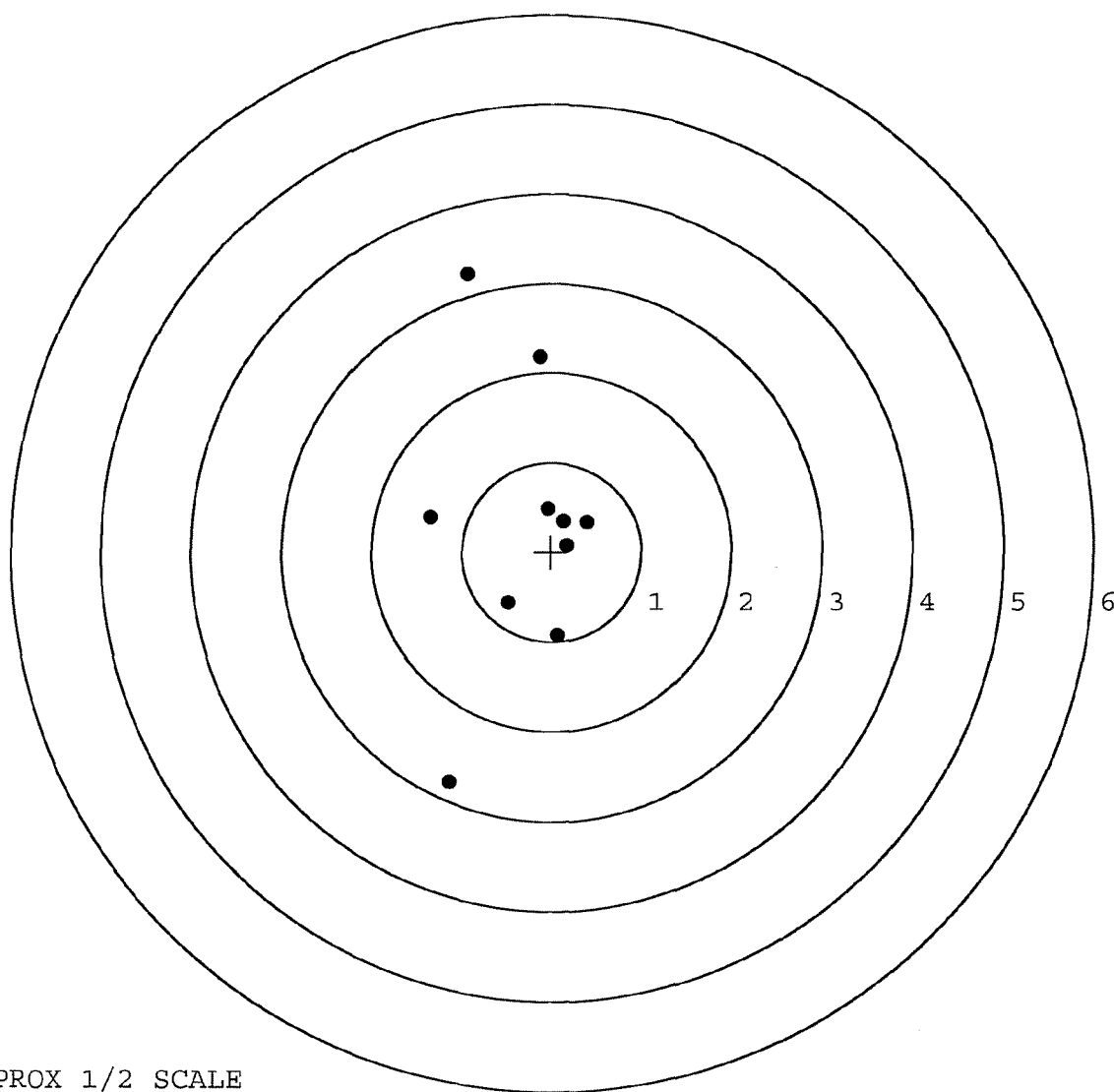
	POINT#	X	Y
	1:	1.640	-0.887
	2:	-0.987	-1.176
	3:	-1.290	0.126
	4:	-0.472	0.486
X CENTROID:	5:	-0.247	0.289
Y CENTROID:	6:	-0.238	0.165
POA TO CENTROID:	7:	0.088	0.416
HORZ SPREAD:	8:	0.382	0.208
VERT SPREAD:	9:	0.276	-0.272
GROUP SPREAD:	10:	0.272	-0.551
MIN RADIUS:		0.337	
MAX RADIUS:		1.863	
MEAN RADIUS:		0.806	
# IN 1 IN DIAMETER:		3	
# IN 2 IN DIAMETER:		7	
# in 3 IN DIAMETER:		9	



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300463. __1
TARGET NUMBER: 3
FILE DATE: 01/18/2006
FILE TIME: 14:33

	POINT#	X	Y
	1:	0.072	-0.940
	2:	-0.483	-0.571
	3:	-1.347	0.384
	4:	-0.130	2.167
	5:	-0.949	3.101
	6:	-0.045	0.484
	7:	0.394	0.335
	8:	0.174	0.069
	9:	0.135	0.342
	10:	-1.129	-2.570
X CENTROID:		-0.331	
Y CENTROID:		0.280	
POA TO CENTROID:		0.433	
HORZ SPREAD:		1.741	
VERT SPREAD:		5.671	
GROUP SPREAD:		5.674	
MIN RADIUS:		0.351	
MAX RADIUS:		2.960	
MEAN RADIUS:		1.301	
# IN 1 IN DIAMETER:		2	
# IN 2 IN DIAMETER:		5	
# in 3 IN DIAMETER:		7	



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300463. __1

TARGET NUMBER: 4

FILE DATE: 01/18/2006

FILE TIME: 14:33

POINT#	X	Y
1:	1.086	-1.580
2:	0.164	-1.437
3:	1.511	-0.118
4:	0.602	0.296
5:	0.576	0.867
6:	-0.159	0.321
7:	-0.333	-0.205
8:	-0.721	-0.059
9:	-0.729	0.408
10:	-1.413	-0.143

X CENTROID: 0.058

Y CENTROID: -0.165

POA TO CENTROID: 0.175

HORZ SPREAD: 2.924

VERT SPREAD: 2.447

GROUP SPREAD: 2.883

MIN RADIUS: 0.393

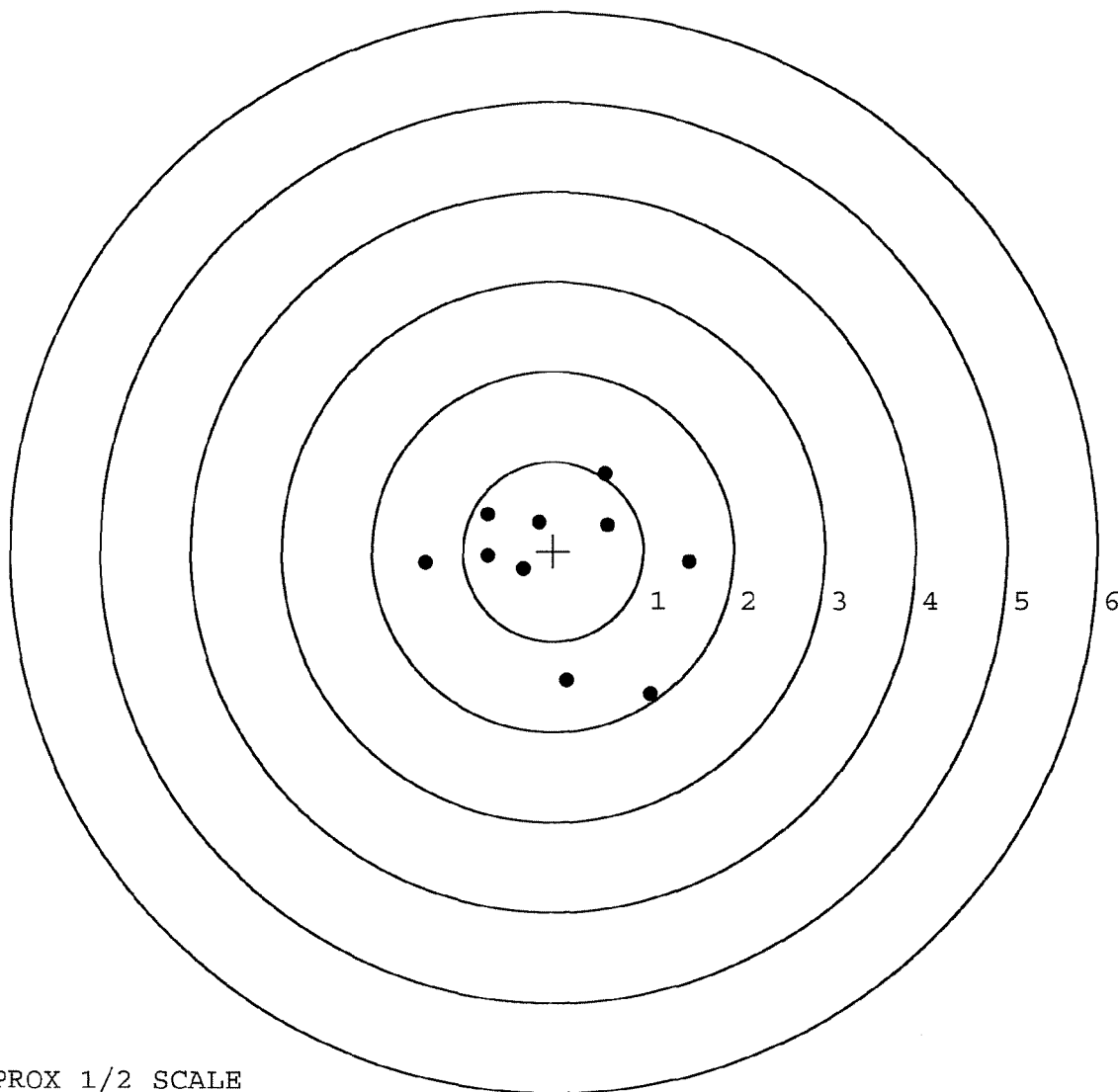
MAX RADIUS: 1.749

MEAN RADIUS: 1.050

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300463. 1

TARGET NUMBER: 5

FILE DATE: 01/18/2006

FILE TIME: 14:33

POINT#	X	Y
1:	-0.411	-1.813
2:	0.556	0.361
3:	0.301	0.384
4:	0.633	0.830
5:	-0.247	1.148
6:	-0.840	0.206
7:	-0.177	-0.431
8:	0.009	-0.513
9:	-0.152	-0.769
10:	0.402	-0.617

X CENTROID: 0.007

Y CENTROID: -0.121

POA TO CENTROID: 0.122

HORZ SPREAD: 1.473

VERT SPREAD: 2.961

GROUP SPREAD: 2.966

MIN RADIUS: 0.360

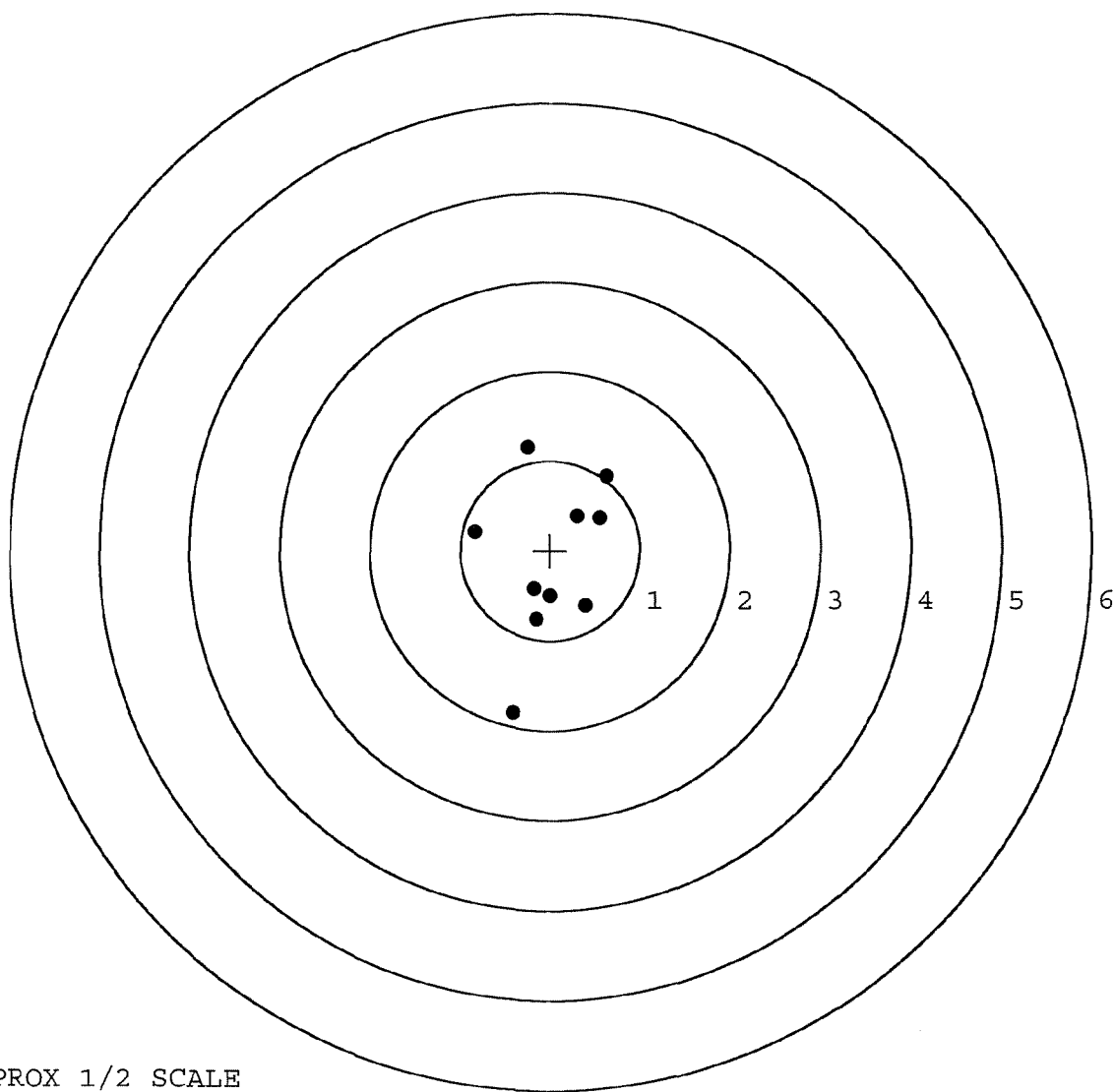
MAX RADIUS: 1.743

MEAN RADIUS: 0.845

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

- INSTRUCTION BOOK 3518

DD FORM

proof of purchase



owner registration sticker



ORDER NO. **25716**

BARREL LENGTH **24"**

CAPACITY **6**

G6300463

UPC



VERY IMPORTANT!
Instruction Book
enclosed to assure
safe use of this
rifle.

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. Pat. & Inv. Off. Marca Registrada. Marque Deposee.

SERIAL NO.
66300463

ORDER NO.
25716

DD

09XX

5716 66300463

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



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



M-24
INSPECTION CHECKLIST-NEW GUNS

GUN SERIAL # G6300 463

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		5/19/03	RTL
600	PROOF		5-20-03	AC
607	CHECK HEADSPACE	MAGNA-FLUX INSPECTED	5/21/03	RTL
610	DIS-ASSEMBLE GUN	MAY 23 2003	5/21/03	RTL
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT	OPERATOR <i>[Signature]</i>		
615	ROLLMARK CALIBER		5/27/03	AB
617	DRILL AND TAP SIGHT HOLES		5-22-03	TRLW
620	APPLY COATINGS (BARREL ACTION)		6-11	TA
	(BOLT)		6-11	TA
625	FINAL ASSEMBLY			
	A) CLEAN INSIDE OF BOLT ASSEMBLY		6-25-03	DA
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		6-25-03	DA
	C) INSPECT EJECTOR HOLE FOR CHAMFER		6-25-03	DA
	D) OIL FIRING PIN ASSEMBLY		6-25-03	DA
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE	2.50 LBS +/- .5 LBS		

OP #	OPERATION NAME	READINGS	DATE	INITIAL
625	F) SAFETY ON FORCE 2 LBS MIN 10 LBS MAX	<u>5.5</u> <u>5.9</u> <u>5.5</u>	8/1/03	DA
CONT.	G) SAFETY OFF FORCE 2 LBS MIN	<u>2.0</u> <u>2.0</u> <u>2.4</u>	8/1/03	DA
	H) TRIGGER PULL TEST AND RETAINABILITY		12-5-03	RTL
	I) FIRING PIN INDENT .020 MIN	<u>.023</u> <u>.024</u> <u>.023</u>	8/1/03	DA
	J) ASSEMBLE STOCK		6/26/03	RW
	K) ASSEMBLE SWIVEL STUDS		12-5-03	RL
	L) ATTACH FRONT AND REAR SIGHT ASSY'S		6/26/03	RW
	M) IRON SIGHT ALIGNMENT		6/26/03	RW
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER		6/26/03	RW
640	GALLERY TEST AND TARGET	PASS FAIL	7-28-03	AL
	MALFUNCTION	CORRECTION	7-28-03	AL
	MALFUNCTION	CORRECTION	7-28-03	AL
	MALFUNCTION	CORRECTION	7-28-03	AL
	MALFUNCTION	CORRECTION	7-28-03	AL
645	INSPECT FOR LIVE AMMO		7-28-03	AL
655	FINAL INSPECTION A) HEADSPACE		12-5-03	RL
	B) TRIGGER PULL +/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<u>2.49</u> <u>2.36</u> <u>2.38</u> <u>2.43</u> <u>2.45</u>	8/1/03	DA
	C) FUNCTION		12-5-03	RL
660	PACK		12/5/03	DA

**AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS**

2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. _____

DATE 6-26-03

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.46	2.12		2.01	
PULL #2	2.38	2.07		2.02	
PULL #3	2.46	2.09		2.10	
PULL #4	2.37	2.04		2.17	
PULL #5	2.41	2.41		2.11	
TOTAL	12.08	10.73		10.41	
AVERAGE	2.41	2.14		2.08	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.03	3.08		
PULL #2	3.09	3.05		
PULL #3	3.06	3.14		
PULL #4	3.08	3.12		
PULL #5	3.16	3.15		
TOTAL	15.42	15.54		
AVERAGE	3.08	3.10		

	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	4.38	4.47		4.49
PULL #2	4.35	4.29		4.47
PULL #3	4.42	4.39		4.06
PULL #4	4.40	4.32		4.38
PULL #5	4.36	4.04		4.39
TOTAL	21.91	21.51		21.79
AVERAGE	4.38	4.30		4.35

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6300463.__0

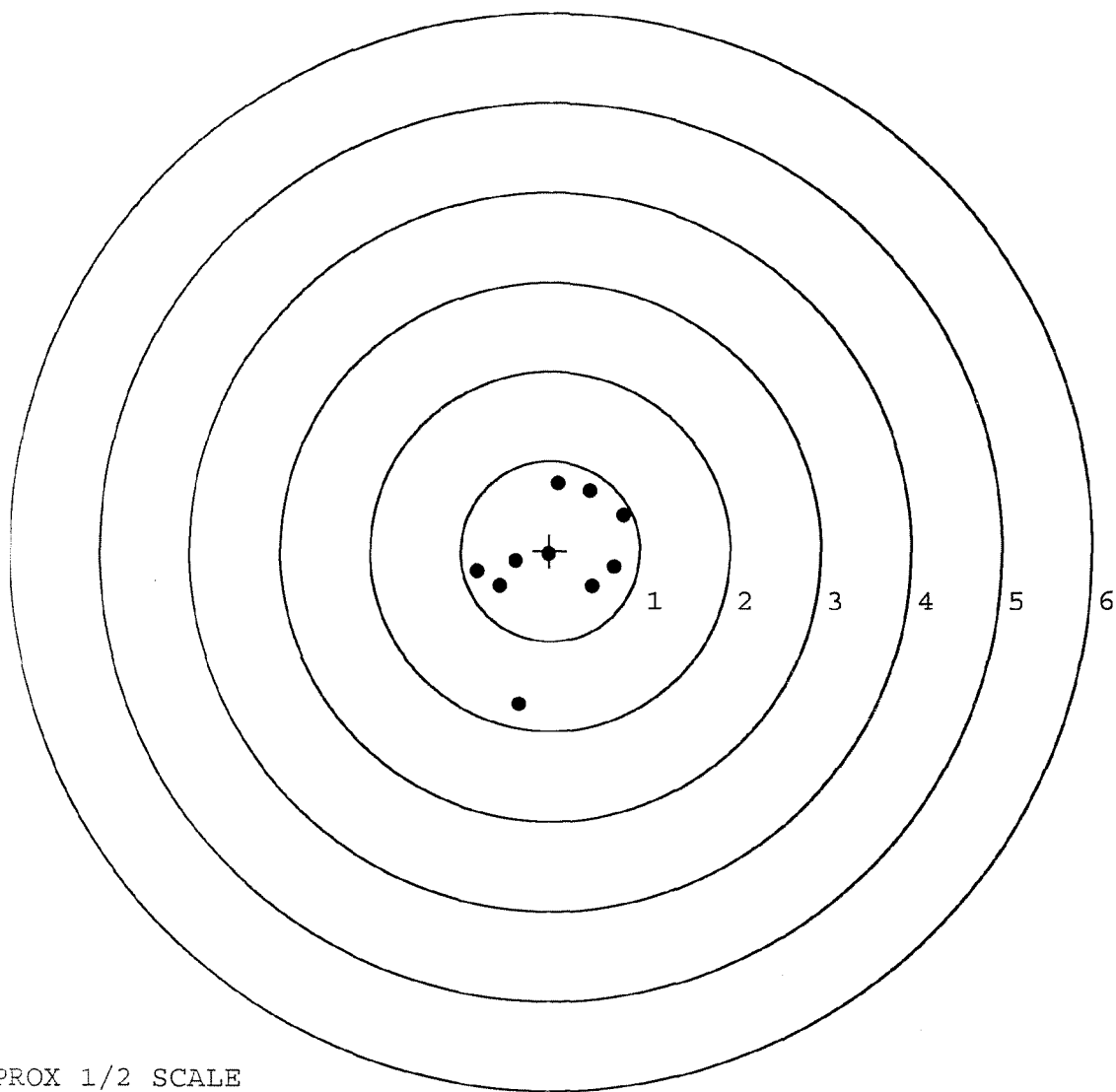
FILE DATE AND TIME: 07/28/2003 07:11

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.110
The Average Y Centroid of the Five Target Set:	0.023
The Average Point of Impact of the Five Target Set:	0.112
The Average Mean Radius of the Five Target Set:	0.738
The Distance from POA to Centroid Target #1:	0.131
The Distance from Centroid Target #2 to Centroid Target #1:	0.288
The Distance from Centroid Target #3 to Centroid Target #1:	0.241
The Distance from Centroid Target #4 to Centroid Target #1:	0.374
The Distance from Centroid Target #5 to Centroid Target #1:	0.201

SERIAL NUMBER: G6300463. __0
TARGET NUMBER: 1
FILE DATE: 07/28/2003
FILE TIME: 07:11

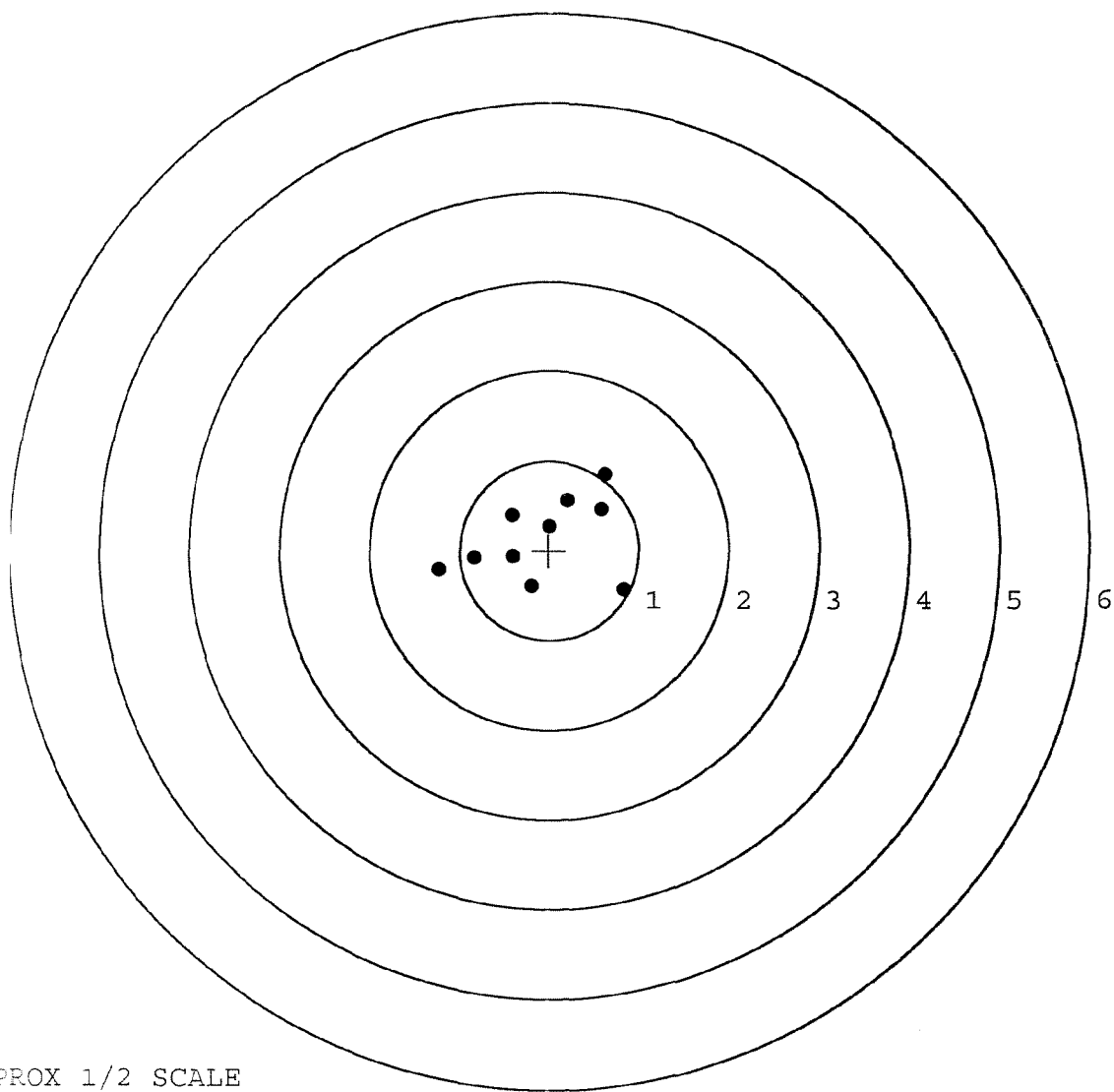
	POINT#	X	Y
	1:	-0.345	-1.707
	2:	-0.817	-0.232
	3:	-0.560	-0.393
	4:	-0.381	-0.119
	5:	-0.016	-0.035
	6:	0.472	-0.392
	7:	0.717	-0.180
	8:	0.819	0.396
	9:	0.441	0.668
	10:	0.089	0.752
X CENTROID:		0.042	
Y CENTROID:		-0.124	
POA TO CENTROID:		0.131	
HORZ SPREAD:		1.636	
VERT SPREAD:		2.459	
GROUP SPREAD:		2.502	
MIN RADIUS:		0.106	
MAX RADIUS:		1.629	
MEAN RADIUS:		0.757	
# IN 1 IN DIAMETER:		2	
# IN 2 IN DIAMETER:		9	
# in 3 IN DIAMETER:		9	



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300463. __0
TARGET NUMBER: 2
FILE DATE: 07/28/2003
FILE TIME: 07:11

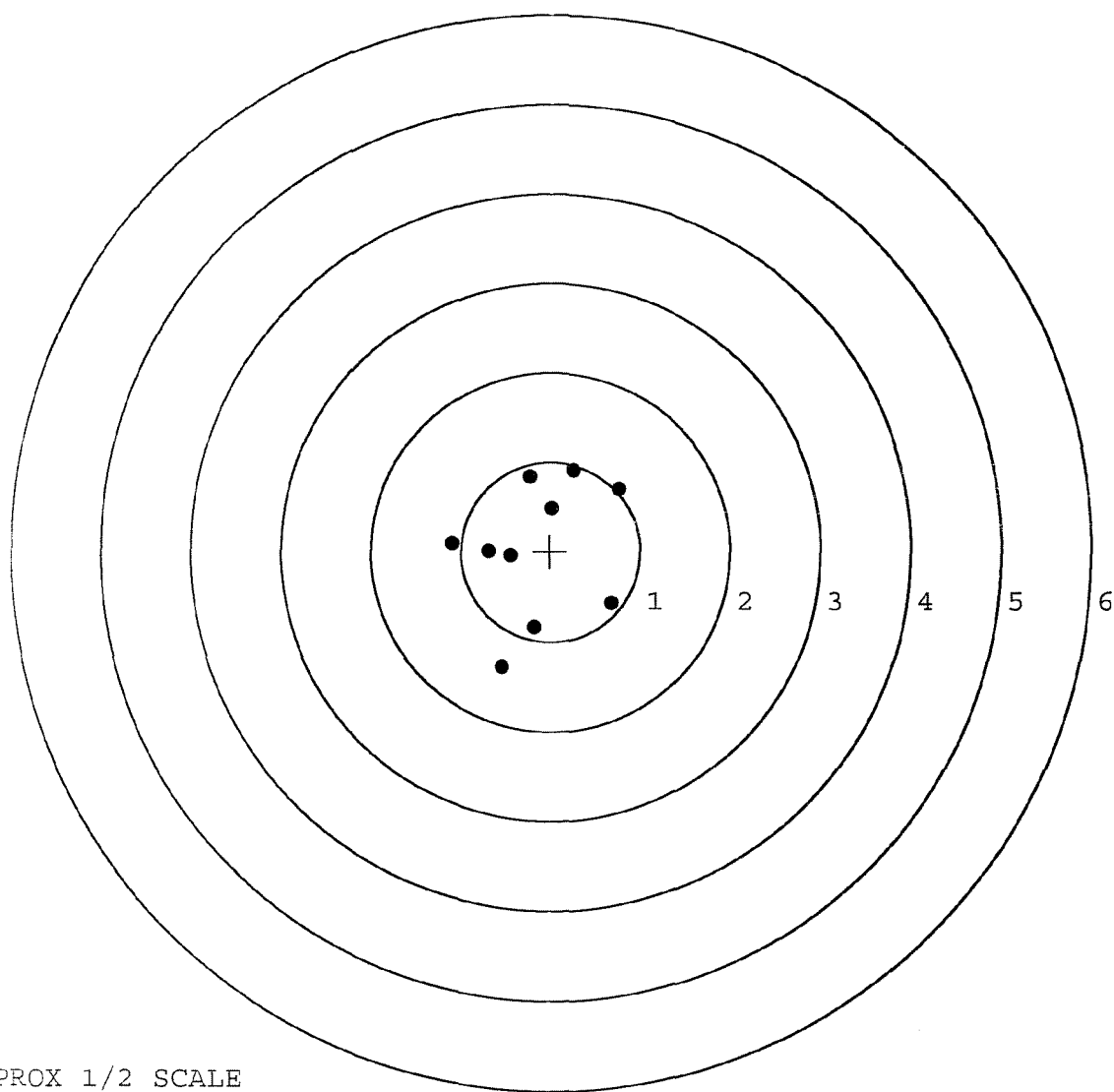
	POINT#	X	Y
	1:	-1.229	-0.221
	2:	-0.839	-0.085
	3:	-0.419	0.400
	4:	0.202	0.566
	5:	0.621	0.857
	6:	0.582	0.469
	7:	0.000	0.270
	8:	-0.404	-0.071
	9:	-0.198	-0.401
	10:	0.838	-0.439
X CENTROID:		-0.085	
Y CENTROID:		0.134	
POA TO CENTROID:		0.159	
HORZ SPREAD:		2.067	
VERT SPREAD:		1.296	
GROUP SPREAD:		2.141	
MIN RADIUS:		0.160	
MAX RADIUS:		1.198	
MEAN RADIUS:		0.686	
# IN 1 IN DIAMETER:		3	
# IN 2 IN DIAMETER:		7	
# in 3 IN DIAMETER:		10	



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300463. __0
TARGET NUMBER: 3
FILE DATE: 07/28/2003
FILE TIME: 07:11

	POINT#	X	Y
	1:	-0.233	0.836
	2:	0.014	0.484
	3:	0.255	0.907
	4:	0.764	0.704
X CENTROID:	5:	-0.445	-0.052
Y CENTROID:	6:	-0.691	-0.002
POA TO CENTROID:	7:	-1.106	0.084
HORZ SPREAD:	8:	-0.535	-1.286
VERT SPREAD:	9:	-0.186	-0.851
GROUP SPREAD:	10:	0.684	-0.577
MIN RADIUS:		0.307	
MAX RADIUS:		1.367	
MEAN RADIUS:		0.849	
# IN 1 IN DIAMETER:		2	
# IN 2 IN DIAMETER:		7	
# in 3 IN DIAMETER:		10	



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300463. __0

TARGET NUMBER: 4

FILE DATE: 07/28/2003

FILE TIME: 07:11

POINT#	X	Y
1:	0.011	-0.523
2:	0.270	0.062
3:	0.472	-0.028
4:	-0.303	-0.263
5:	-0.350	0.218
6:	-0.766	0.041
7:	-1.522	0.601
8:	0.025	0.579
9:	0.245	0.686
10:	-0.133	0.195

X CENTROID: -0.205

Y CENTROID: 0.157

POA TO CENTROID: 0.258

HORZ SPREAD: 1.994

VERT SPREAD: 1.209

GROUP SPREAD: 2.091

MIN RADIUS: 0.082

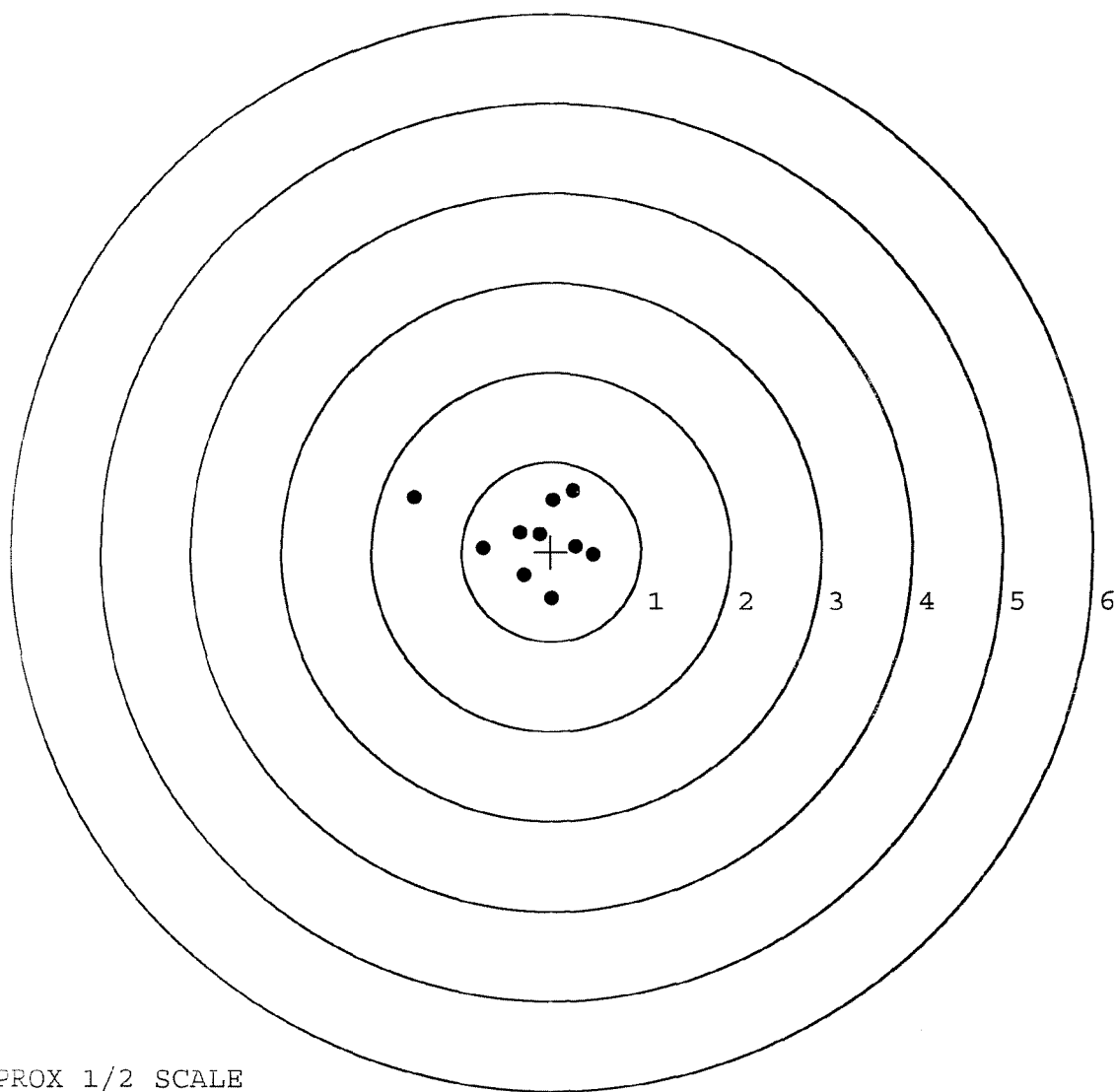
MAX RADIUS: 1.390

MEAN RADIUS: 0.571

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

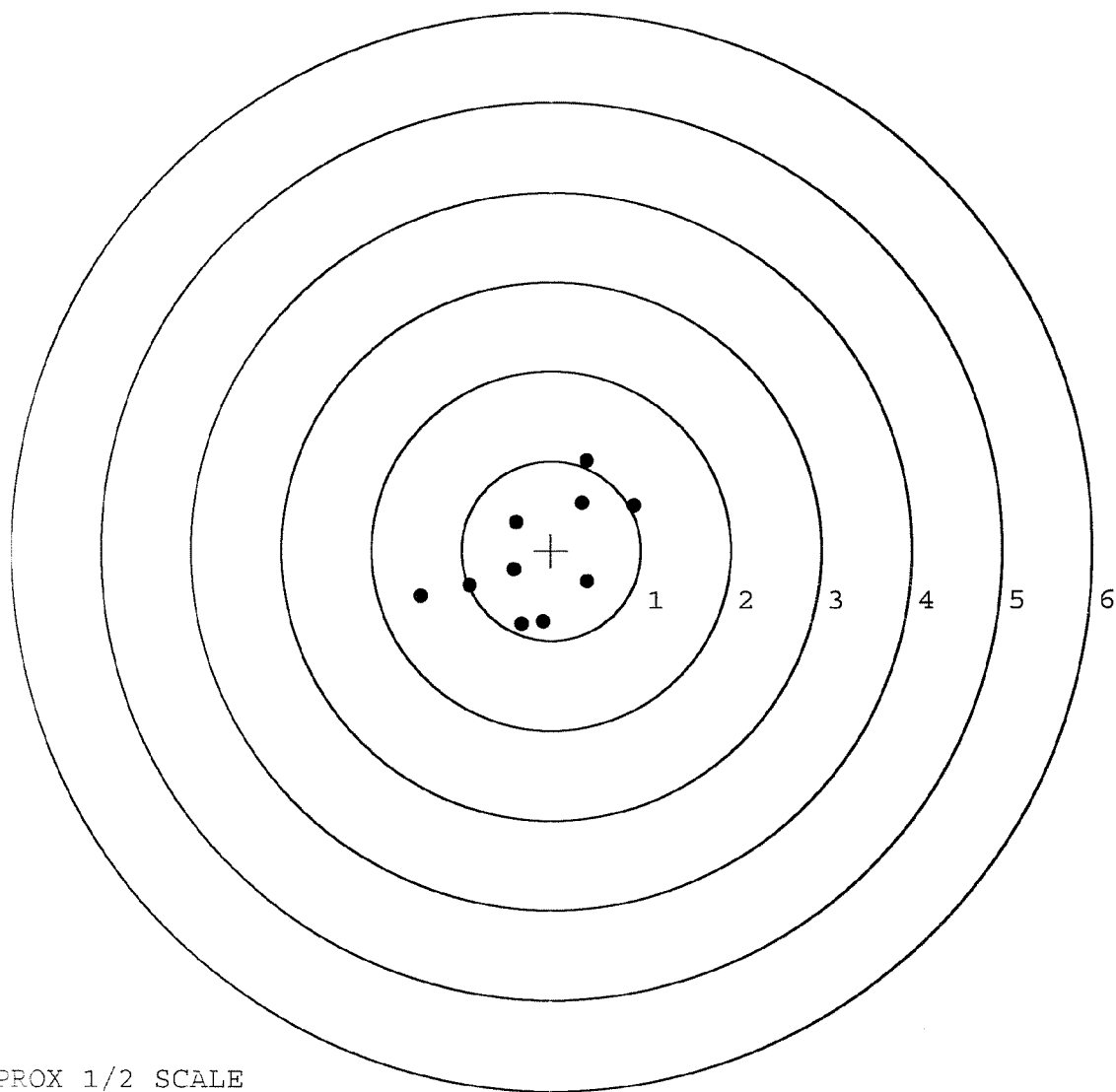


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300463. __0
TARGET NUMBER: 5
FILE DATE: 07/28/2003
FILE TIME: 07:11

	POINT#	X	Y
	1:	-1.456	-0.520
	2:	-0.909	-0.396
	3:	-0.415	-0.219
	4:	-0.329	-0.823
	5:	-0.093	-0.794
	6:	0.400	-0.351
	7:	0.926	0.506
	8:	0.344	0.528
	9:	0.396	1.002
	10:	-0.390	0.318

X CENTROID: -0.153
Y CENTROID: -0.075
POA TO CENTROID: 0.170
HORZ SPREAD: 2.382
VERT SPREAD: 1.825
GROUP SPREAD: 2.594
MIN RADIUS: 0.299
MAX RADIUS: 1.377
MEAN RADIUS: 0.828
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE