

G-6300643

Repair Inquiry

Repair Number: RE00111026

Serial: G6300643 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

High Priority

Status:

Closed 4/12/2006 1:36:54 PM

Address Information

Customer:

Received From

Return To:

Received From

Name: 60 AERIAL PORT SQD, TRTCD

60 AERIAL PORT SQD, TRTCD

Address 1: TRAFFIC MANAGEMENT OFFICE

TRAFFIC MANAGEMENT OFFICE

Address 2: BLDG 977 90 RAGSDALE ST

PO Box:

BLDG 977 90 RAGSDALE ST

PO Box:

City: TRAVIS AFB

TRAVIS AFB

State: CA

Zip Code: 94535

Country: US

State: CA

Zip Code: 94535

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
A008	With Swivel	2
A010	Hard Case	1
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

4/12/2006

1:50 PM

CAPS

NUM

INS

SCRL

start

5 M.

Ar...

3 L.

2 M.

Pet...

Par...

SA...

1:50 PM

Serial Number: G6300643

Model: M24 SWS



RE00111026

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6300643.__1
FILE DATE AND TIME: 05/22/2006 16:19

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

ERROR - NOT POSSIBLE TO REPORT SWS STATS ON DATA
WHERE TOTAL TARGETS ARE NOT EQUAL TO FIVE

Avg. mean Radius : .765

SERIAL NUMBER: G6300643. __1

TARGET NUMBER: 1

FILE DATE: 05/22/2006

FILE TIME: 16:19

POINT#	X	Y
1:	-0.433	0.649
2:	0.046	0.508
3:	-0.423	0.015
4:	-0.267	-0.103
5:	0.325	-0.199
6:	-0.318	-0.583
7:	-0.488	-1.054
8:	0.439	-0.957
9:	0.096	1.118
10:	-0.352	0.876

X CENTROID: -0.137

Y CENTROID: 0.027

POA TO CENTROID: 0.140

HORZ SPREAD: 0.927

VERT SPREAD: 2.172

GROUP SPREAD: 2.103

MIN RADIUS: 0.183

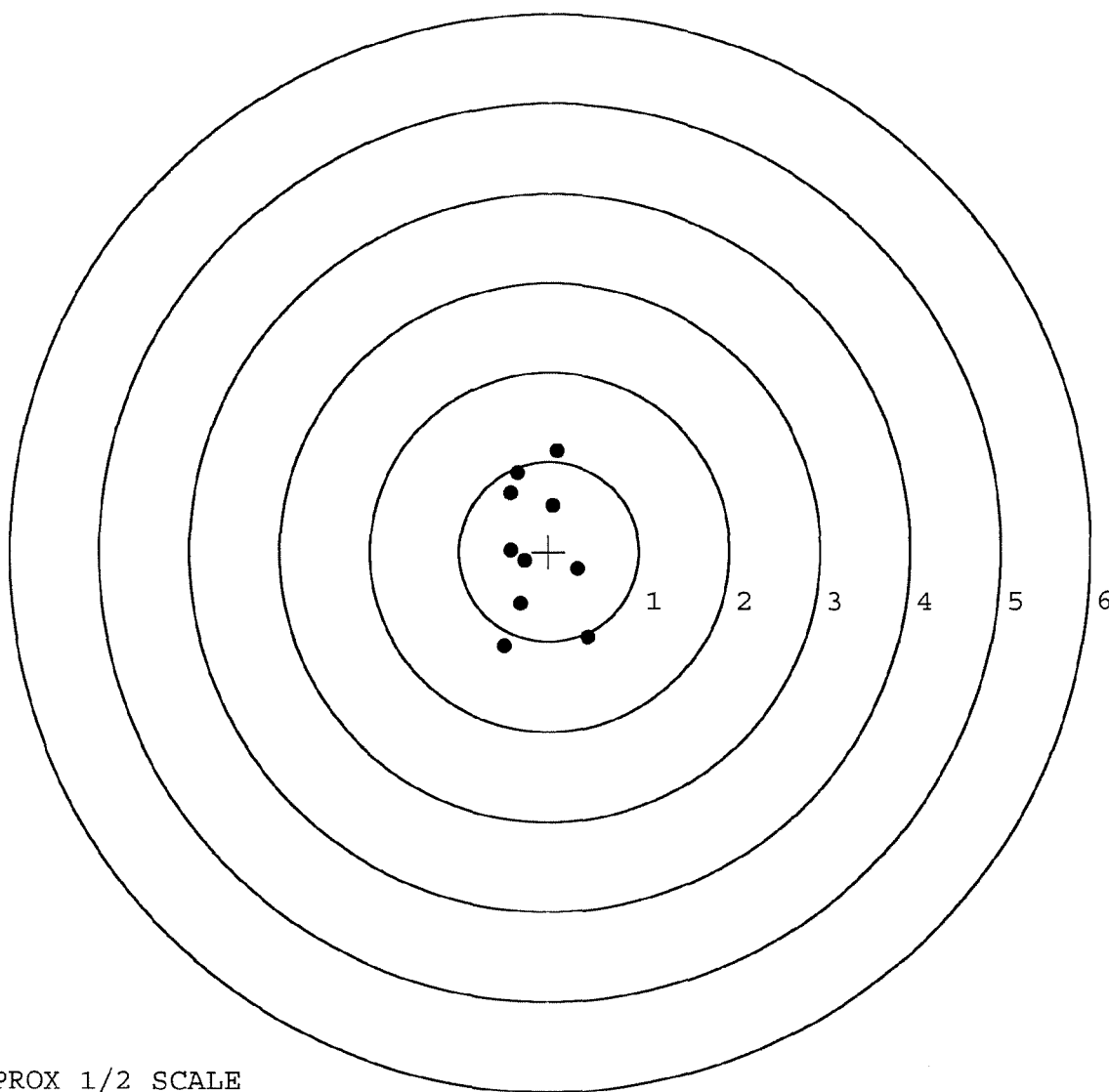
MAX RADIUS: 1.140

MEAN RADIUS: 0.709

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300643. __1

TARGET NUMBER: 2

FILE DATE: 05/22/2006

FILE TIME: 16:19

POINT#	X	Y
1:	0.405	0.446
2:	0.467	0.016
3:	0.258	-0.091
4:	0.027	-0.366
5:	0.213	-0.554
6:	0.171	-0.695
7:	-0.268	-0.433
8:	-0.466	-1.448
9:	1.210	-1.952
10:	-0.062	1.905

X CENTROID: 0.195

Y CENTROID: -0.317

POA TO CENTROID: 0.373

HORZ SPREAD: 1.676

VERT SPREAD: 3.857

GROUP SPREAD: 4.061

MIN RADIUS: 0.175

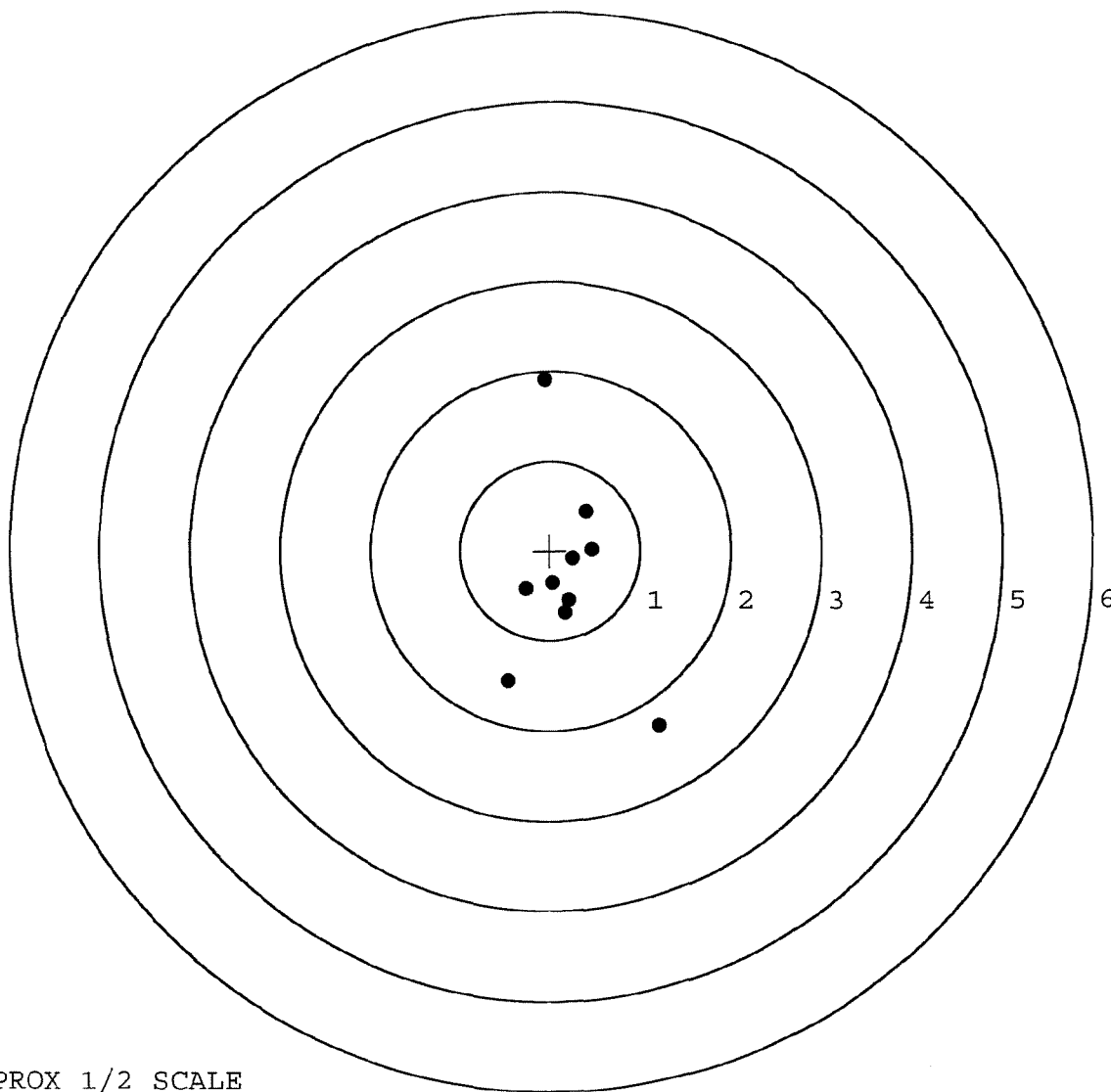
MAX RADIUS: 2.237

MEAN RADIUS: 0.820

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

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)

DATE 5-11-06

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	256	258		255	
PULL #2	260	252		247	
PULL #3	253	262		249	
PULL #4	250	247		259	
PULL #5	247	244		252	
TOTAL	1266	1263		1262	
AVERAGE	253	252		252	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	314	312		
PULL #2	301	300		
PULL #3	315	314		
PULL #4	304	315		
PULL #5	319	316		
TOTAL	1553	1557		
AVERAGE	310	311		

	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	409	411		416
PULL #2	416	412		404
PULL #3	401	414		402
PULL #4	409	415		412
PULL #5	415	417		419
TOTAL	2050	2069		2053
AVERAGE	410	413		410

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

		<i>JAPAN</i>		
R & E NUMBER	<i>111020</i>			
SERIAL NUMBER	<i>G 6300643</i>			
LOG-IN DATE	<i>4-12-06</i>			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		<i>5-406</i>	<i>Ac</i>
505	RE-BARREL			
560	ASSEMBLE			
600	PROOF			
605	CHECK HEADSPACE			
610	DIS-ASSEMBLE GUN			
612	MAGNAFLUX			
510	DRILL AND TAP			
615	ROLLMARK CALIBER			
618	ROTO-BLAST			
620	APPLY COATINGS		<i>5/12</i>	<i>TP</i>
625	FINAL ASSEMBLY		<i>5-17-06</i>	<i>AC</i>
640	FUNCTION TEST AND	<i>PASS</i>	<i>5-22-06</i>	<i>MTM</i>
650	TARGET	<i>PASS</i>	<i>5-22-06</i>	<i>MTM</i>
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		<i>5-23-06</i>	<i>MTM</i>
	A) HEADSPACE	<i>PASS</i>	<i>5-23-06</i>	<i>MTM</i>
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<i>2.23 2.07 2.29 2.26 2.39</i>	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	<i>7 lbs. 8 lbs. 6 lbs.</i>	
	G) SAFETY OFF FORCE	2 LBS MIN	<i>3 lbs. 3 lbs. 3 lbs.</i>	
	I) FIRING PIN INDENT	.020	<i>.023 .023 .023</i>	
690	PACK		<i>5-31-06</i>	<i>MTM</i>

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



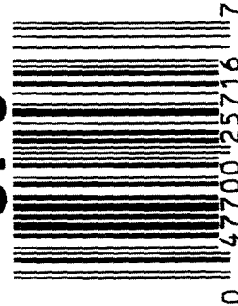
ORDER NO. **25716**

BARREL LENGTH **24"**

CAPACITY **6**

G6300643

UPC



46 FORM

M-24
INSPECTION CHECKLIST-NEW GUNS

GUN SERIAL # G6300643

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		5/15/03	RTL
600	PROOF		5-19-03	AC
607	CHECK HEADSPACE		5-19-03	AC
610	DIS-ASSEMBLE GUN	MAGNA FLUX INSPECTED	5/20/03	RTL
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT	MAY 20 2003 OPERATOR <u>ABD</u>		
615	ROLLMARK CALIBER		5/27/03	ib
617	DRILL AND TAP SIGHT HOLES		5-20-03	TRW
620	APPLY COATINGS (BARREL ACTION)		6-8	TA
	(BOLT)		6-8	TA
625	FINAL ASSEMBLY			
	A) CLEAN INSIDE OF BOLT ASSEMBLY		6/2/03	DA
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		6/2/03	DA
	C) INSPECT EJECTOR HOLE FOR CHAMFER		6/2/03	DA
	D) OIL FIRING PIN ASSEMBLY		6/2/03	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>8.0</u> <u>8.0</u> <u>8.0</u>	7-9-03	DA
CONT.				
	G) SAFETY OFF FORCE 2 LBS MIN	<u>2.9</u> <u>2.5</u> <u>2.9</u>	7-9-03	DA
	H) TRIGGER PULL TEST AND RETAINABILITY			
	I) FIRING PIN INDENT .020 MIN	<u>.023</u> <u>.022</u> <u>.023</u>	7-9-03	DA
	J) ASSEMBLE STOCK		11/18/03	RLW
	K) ASSEMBLE SWIVEL STUDS		11/10/03	RLW
	L) ATTACH FRONT AND REAR SIGHT ASSY'S		6/18/03	RLW
	M) IRON SIGHT ALIGNMENT		6/18/03	RLW
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER		6/18/03	RLW
640	GALLERY TEST AND TARGET	PASS FAIL	6-19-03	TRLW
	MALFUNCTION	CORRECTION	6-19-03	TRLW
	MALFUNCTION	CORRECTION	6-19-03	TRLW
	MALFUNCTION	CORRECTION	6-19-03	TRLW
	MALFUNCTION	CORRECTION	6-19-03	TRLW
645	INSPECT FOR LIVE AMMO		6-19-03	TRLW
655	FINAL INSPECTION A) HEADSPACE		11/10/03	RLW
	B) TRIGGER PULL +/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<u>2.48</u> <u>2.59</u> <u>2.50</u> <u>2.46</u> <u>2.45</u>	7-9-03	DA
	C) FUNCTION		11/10/03	RLW
660	PACK		11/11/03	DA

INITIAL & CYCLE TESTS
 2.50# ± .50#
 3.00# ± .75#
 4.00# ± 1.00#

DATE 6-3-03

TESTER TRW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.60	2.26		2.80	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2
PULL #2	2.96	2.54		2.61	
PULL #3	2.82	2.60		2.59	
PULL #4	2.52	2.49		2.74	
PULL #5	2.45	2.48		2.57	
TOTAL	13.15	12.37		13.31	
AVG.	2.63	2.47		2.66	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.36		
PULL #2	3.14 ^{TRW}	3.32		
PULL #3	3.33	3.20		
PULL #4	3.41	3.28		
PULL #5	3.21	3.18		
TOTAL	16.51	16.34		
AVG.	3.30	3.26		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCUR
PULL #1	4.23	4.04		4.26
PULL #2	4.37	4.03		4.27
PULL #3	4.31	4.09		4.47
PULL #4	4.15	4.00		4.42
PULL #5	4.07	4.02		4.26
TOTAL	21.13	20.18		21.68
AVG.	4.22	4.03		4.33

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6300643.__0
FILE DATE AND TIME: 06/19/2003 07:30

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.073
The Average Y Centroid of the Five Target Set:	-0.071
The Average Point of Impact of the Five Target Set:	0.102
The Average Mean Radius of the Five Target Set:	0.801
The Distance from POA to Centroid Target #1:	0.166
The Distance from Centroid Target #2 to Centroid Target #1:	0.191
The Distance from Centroid Target #3 to Centroid Target #1:	0.118
The Distance from Centroid Target #4 to Centroid Target #1:	0.044
The Distance from Centroid Target #5 to Centroid Target #1:	0.199

SERIAL NUMBER: G6300643.___0

TARGET NUMBER: 1

FILE DATE: 06/19/2003

FILE TIME: 07:30

POINT#	X	Y
1:	0.282	-1.054
2:	0.361	-0.606
3:	-0.260	-0.850
4:	-0.216	-0.511
5:	-0.655	-0.294
6:	-0.742	0.414
7:	0.173	0.142
8:	0.341	0.338
9:	0.304	1.097
10:	0.010	-0.282

X CENTROID: -0.040

Y CENTROID: -0.161

POA TO CENTROID: 0.166

HORZ SPREAD: 1.103

VERT SPREAD: 2.151

GROUP SPREAD: 2.151

MIN RADIUS: 0.131

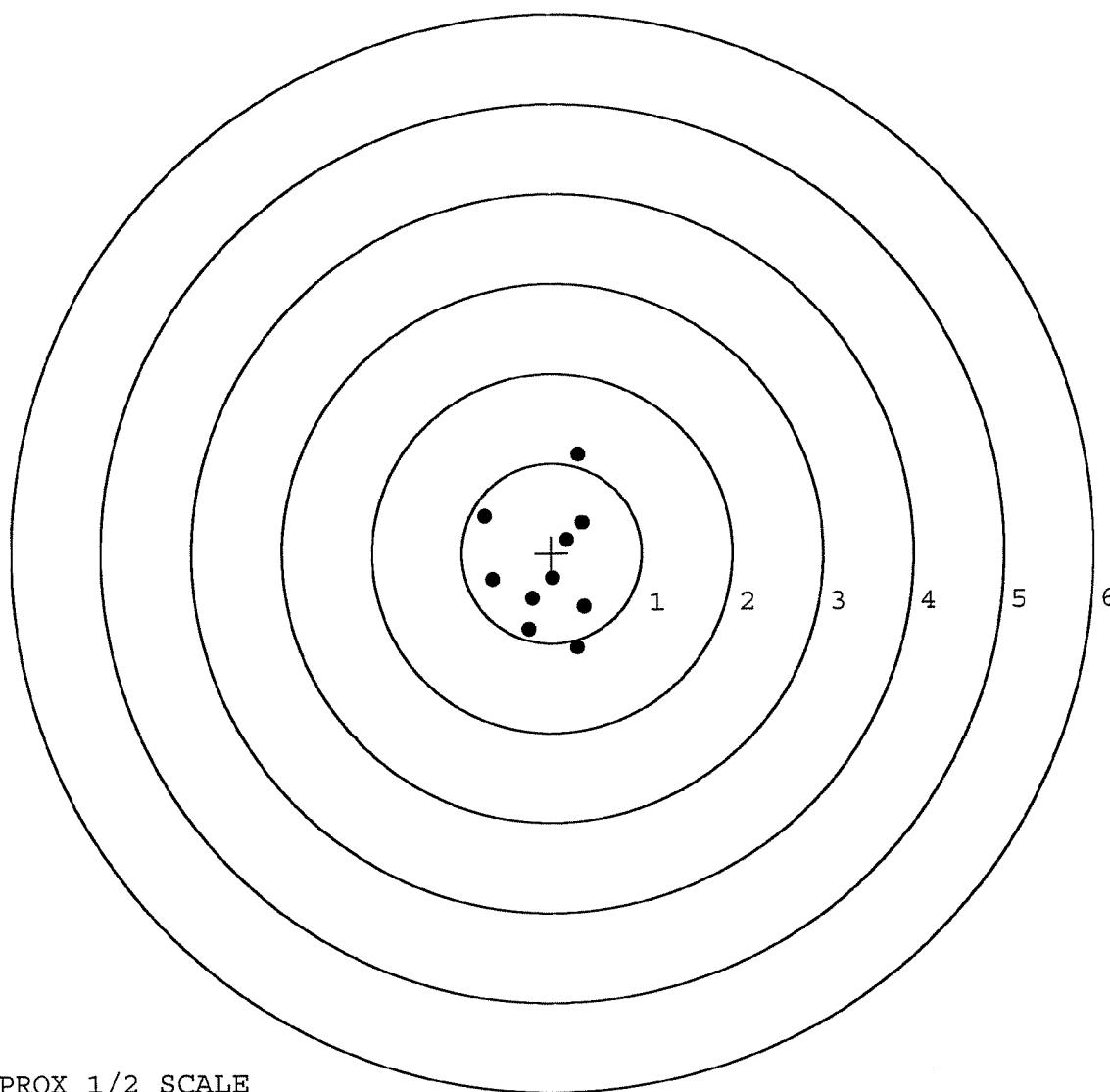
MAX RADIUS: 1.304

MEAN RADIUS: 0.663

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300643. __0

TARGET NUMBER: 2

FILE DATE: 06/19/2003

FILE TIME: 07:30

POINT#	X	Y
1:	0.551	-1.015
2:	0.363	-0.586
3:	-0.193	-0.367
4:	-0.877	-1.338
5:	-2.391	-0.545
6:	1.059	0.507
7:	0.633	1.221
8:	0.264	0.877
9:	-0.237	0.702
10:	-0.660	0.513

X CENTROID: -0.149

Y CENTROID: -0.003

POA TO CENTROID: 0.149

HORZ SPREAD: 3.450

VERT SPREAD: 2.559

GROUP SPREAD: 3.607

MIN RADIUS: 0.367

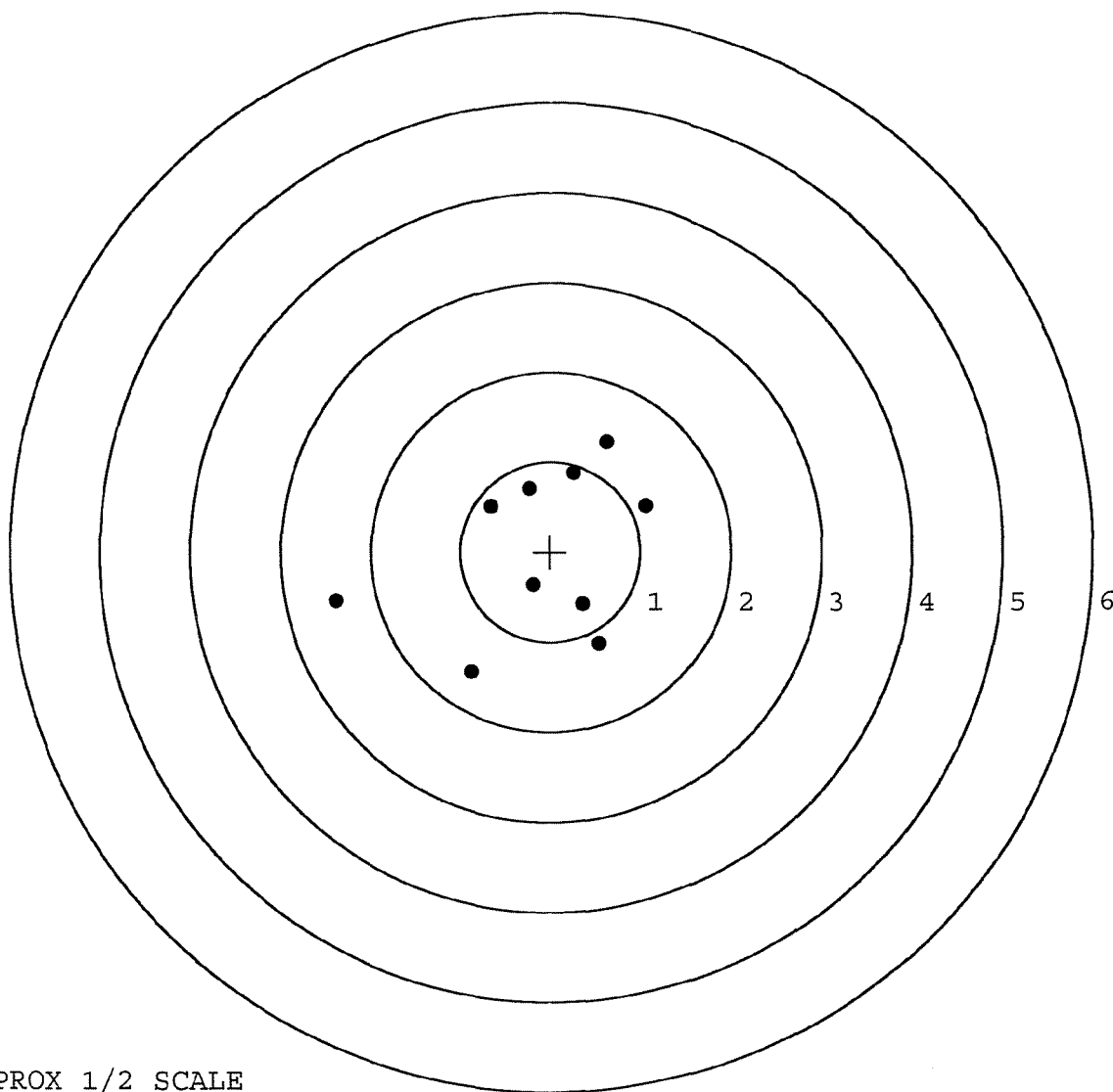
MAX RADIUS: 2.307

MEAN RADIUS: 1.137

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300643. __0

TARGET NUMBER: 3

FILE DATE: 06/19/2003

FILE TIME: 07:30

POINT#	X	Y
1:	0.563	-0.913
2:	0.658	-0.468
3:	0.411	-0.268
4:	-0.338	-0.926
5:	-0.285	-0.538
6:	-1.357	0.044
7:	-0.159	0.280
8:	-0.123	0.449
9:	-0.540	1.069
10:	0.698	0.846

X CENTROID: -0.047

Y CENTROID: -0.043

POA TO CENTROID: 0.064

HORZ SPREAD: 2.055

VERT SPREAD: 1.995

GROUP SPREAD: 2.206

MIN RADIUS: 0.341

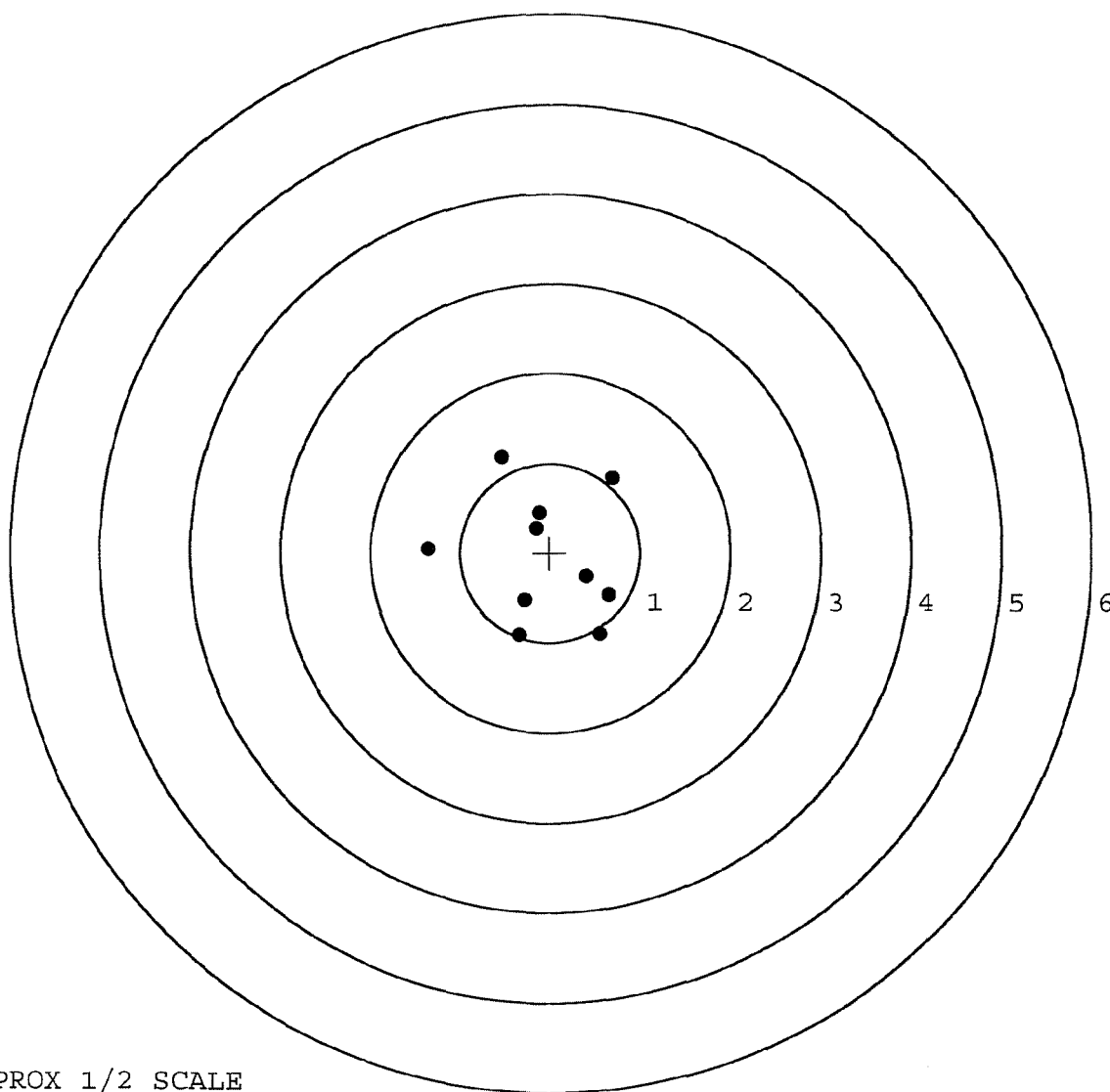
MAX RADIUS: 1.313

MEAN RADIUS: 0.840

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300643. __0

TARGET NUMBER: 4

FILE DATE: 06/19/2003

FILE TIME: 07:30

POINT#	X	Y
1:	-0.475	-1.598
2:	0.443	-0.390
3:	0.856	-0.093
4:	0.245	-0.130
5:	0.446	0.322
6:	0.785	1.020
7:	-0.122	-0.497
8:	-0.639	-0.237
9:	-1.137	-0.202
10:	-1.142	-0.080

X CENTROID: -0.074

Y CENTROID: -0.188

POA TO CENTROID: 0.203

HORZ SPREAD: 1.998

VERT SPREAD: 2.618

GROUP SPREAD: 2.905

MIN RADIUS: 0.312

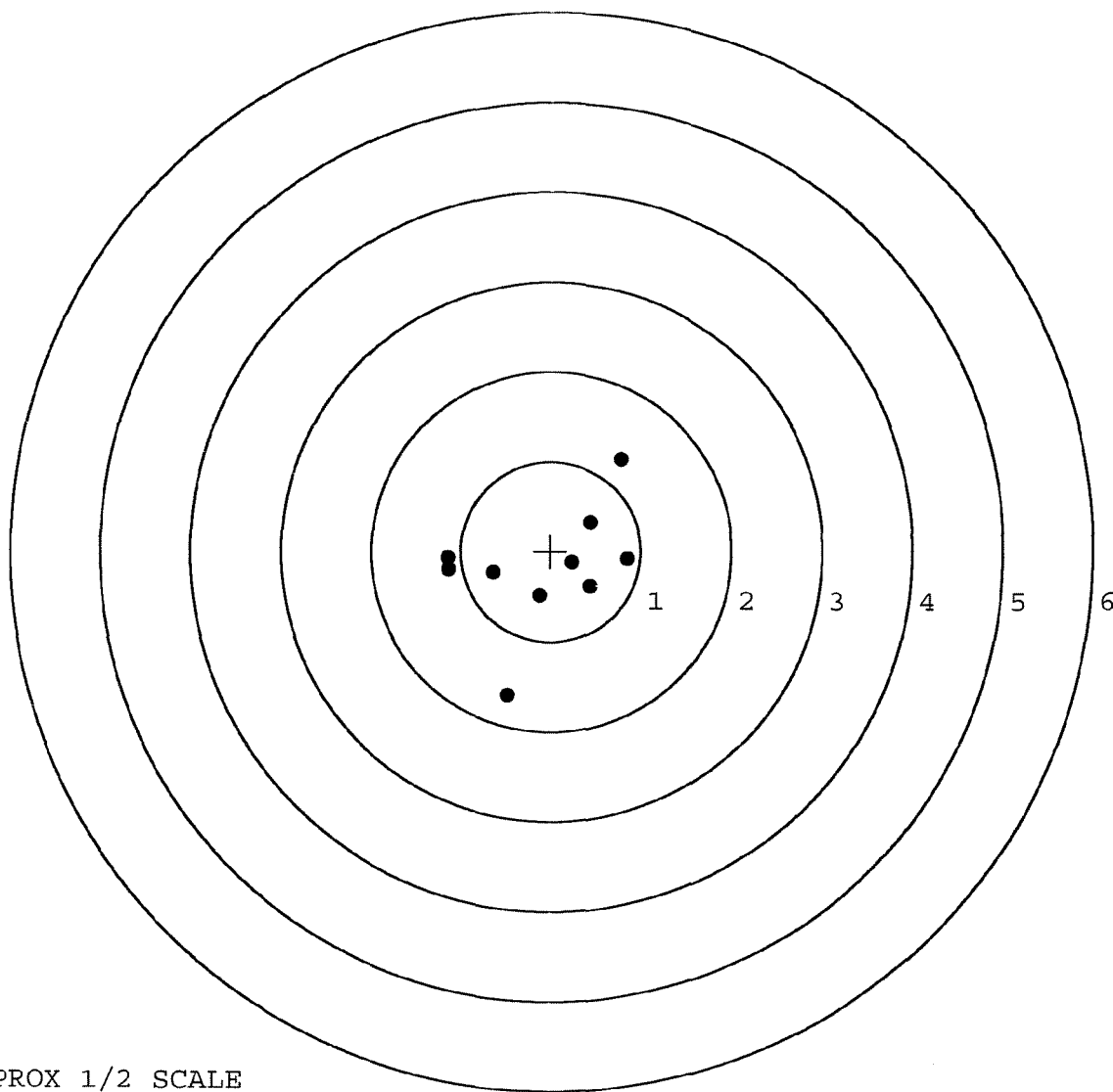
MAX RADIUS: 1.483

MEAN RADIUS: 0.851

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

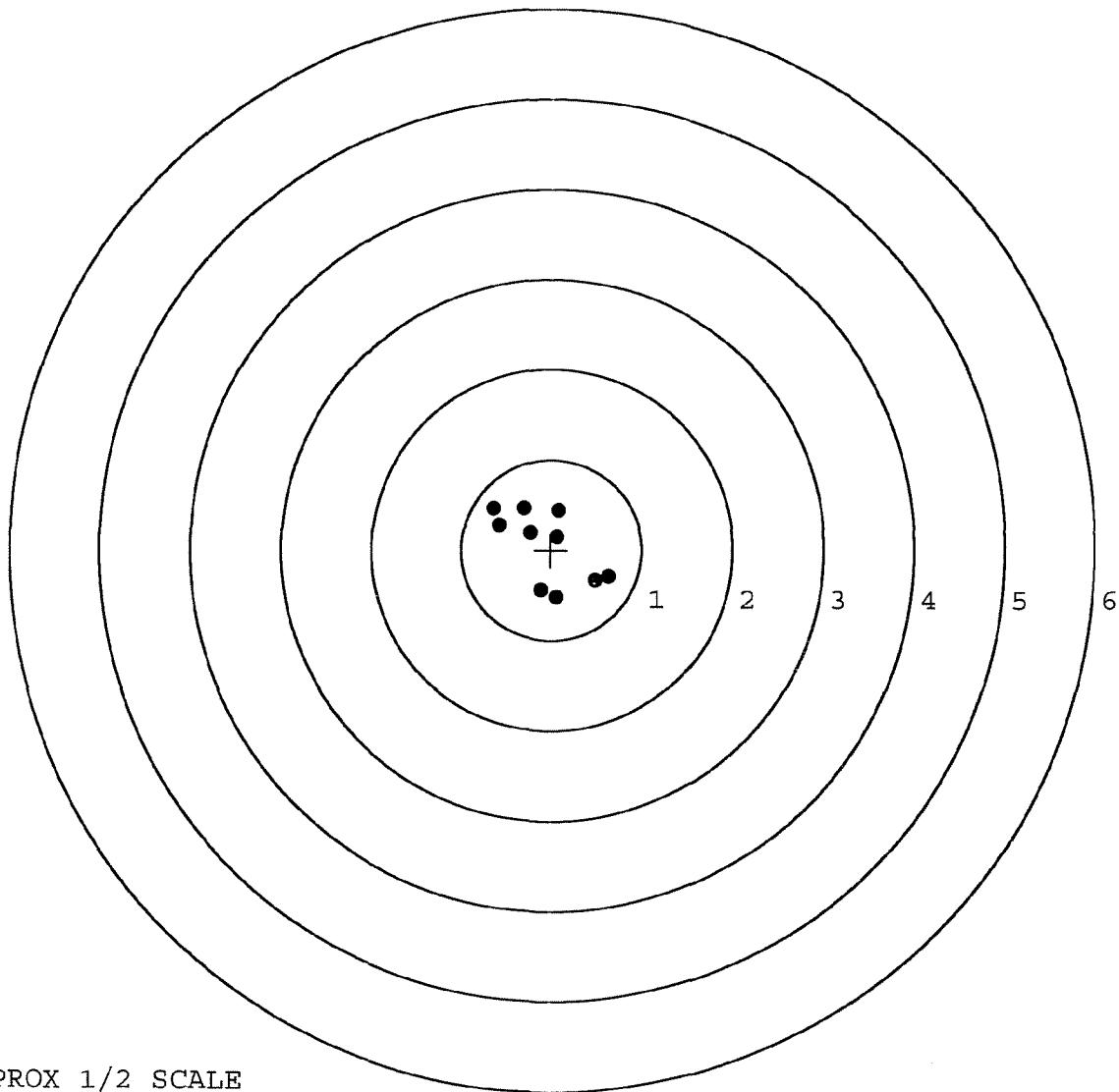
SERIAL NUMBER: G6300643. 0

TARGET NUMBER: 5

FILE DATE: 06/19/2003

FILE TIME: 07:30

	POINT#	X	Y
	1:	0.636	-0.299
	2:	0.489	-0.336
	3:	0.066	-0.530
	4:	-0.117	-0.447
X CENTROID:	5:	0.072	0.149
Y CENTROID:	6:	0.082	0.445
POA TO CENTROID:	7:	-0.308	0.464
HORZ SPREAD:	8:	-0.228	0.200
VERT SPREAD:	9:	-0.581	0.274
GROUP SPREAD:	10:	-0.641	0.463
MIN RADIUS:		0.167	
MAX RADIUS:		0.767	
MEAN RADIUS:		0.513	
# IN 1 IN DIAMETER:		5	
# IN 2 IN DIAMETER:		10	
# in 3 IN DIAMETER:		10	



TARGET APPROX 1/2 SCALE