

G 6288258

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: **RE00087625** Serial: G6288258 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 11/8/2004 1:43:18 PM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **DOL MATERIAL CONTROL BRANCH** **DOL MATERIAL CONTROL BRANCH**

Address 1: **HQS 3D INF DIV M AND FT STEWART** **HQS 3D INF DIV M AND FT STEWART**

Address 2: **1624 W 6TH ST BLDG 2916** PO Box: **1624 W 6TH ST BLDG 2916** PO Box:

City: **FORT STEWART** **FORT STEWART**

State: **GA** Zip Code: **31314** Country: **US** State: **GA** Zip Code: **31314** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Condition: **Good**

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
G000	FRT AND R SGT BAS	1

Repair Search **Refresh** **Close**

magletj 11/8/2004 2:37 PM CAPS NUM INS SCPL

start 2 4 Arms Serv

Serial Number: **G6288258**

Model: **M24 SWS**



RE00087625

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6288258.__2
FILE DATE AND TIME: 12/07/2004 08:01

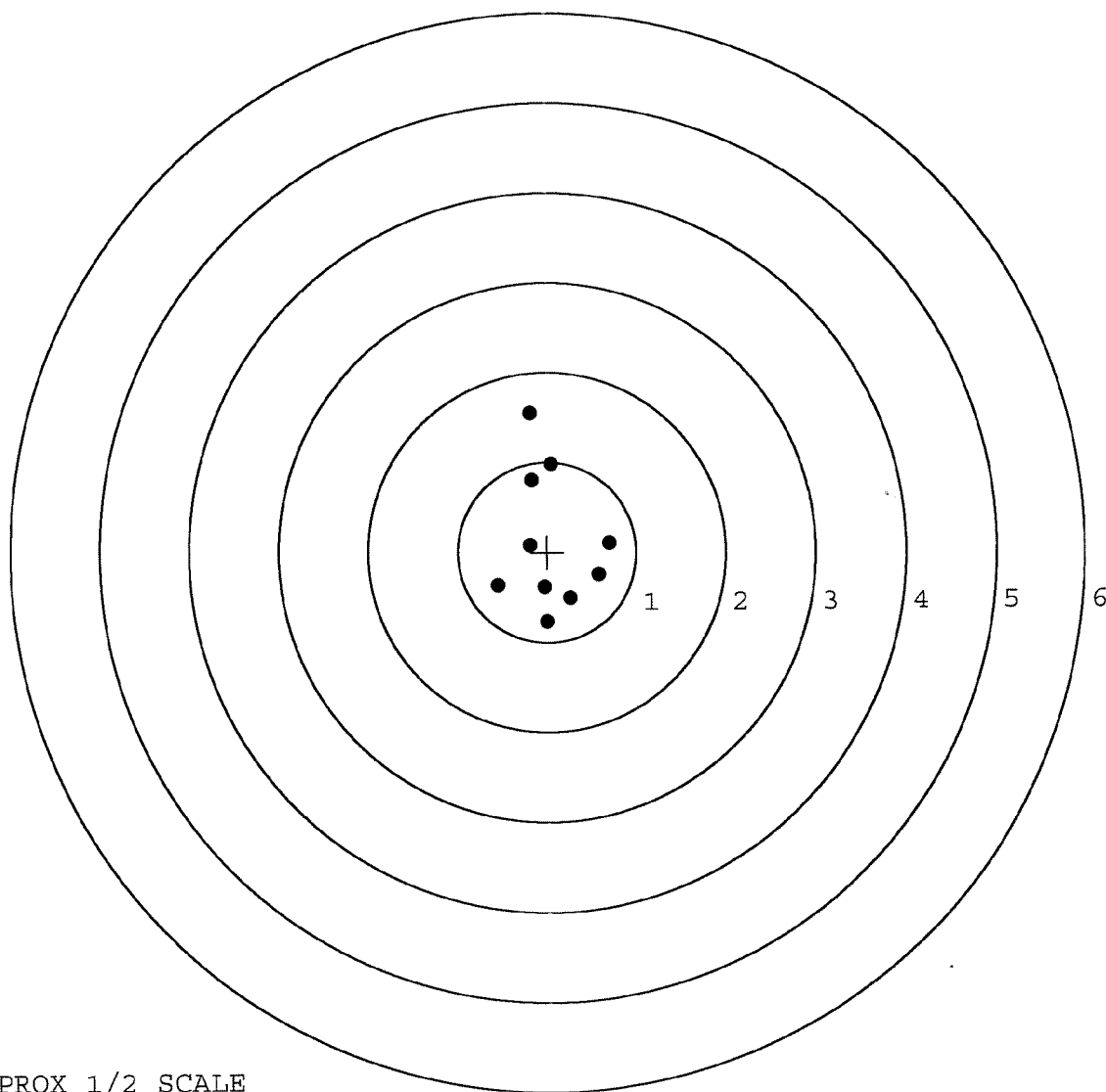
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.020
The Average Y Centroid of the Five Target Set:	0.017
The Average Point of Impact of the Five Target Set:	0.026
The Average Mean Radius of the Five Target Set:	0.637
The Distance from POA to Centroid Target #1:	0.127
The Distance from Centroid Target #2 to Centroid Target #1:	0.249
The Distance from Centroid Target #3 to Centroid Target #1:	0.204
The Distance from Centroid Target #4 to Centroid Target #1:	0.195
The Distance from Centroid Target #5 to Centroid Target #1:	0.233

SERIAL NUMBER: G6288258.___2
TARGET NUMBER: 1
FILE DATE: 12/07/2004
FILE TIME: 08:01

X CENTROID: 0.040
Y CENTROID: 0.120
POA TO CENTROID: 0.127
HORZ SPREAD: 1.257
VERT SPREAD: 2.324
GROUP SPREAD: 2.331
MIN RADIUS: 0.244
MAX RADIUS: 1.443
MEAN RADIUS: 0.742
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.699	0.103
2:	0.575	-0.248
3:	0.256	-0.511
4:	-0.013	-0.780
5:	-0.038	-0.387
6:	-0.558	-0.370
7:	-0.199	0.075
8:	-0.177	0.799
9:	0.051	0.977
10:	-0.192	1.544



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288258. 2

TARGET NUMBER: 2

FILE DATE: 12/07/2004

FILE TIME: 08:01

X CENTROID: -0.206

Y CENTROID: 0.089

POA TO CENTROID: 0.225

HORZ SPREAD: 1.618

VERT SPREAD: 2.289

GROUP SPREAD: 2.303

MIN RADIUS: 0.243

MAX RADIUS: 1.344

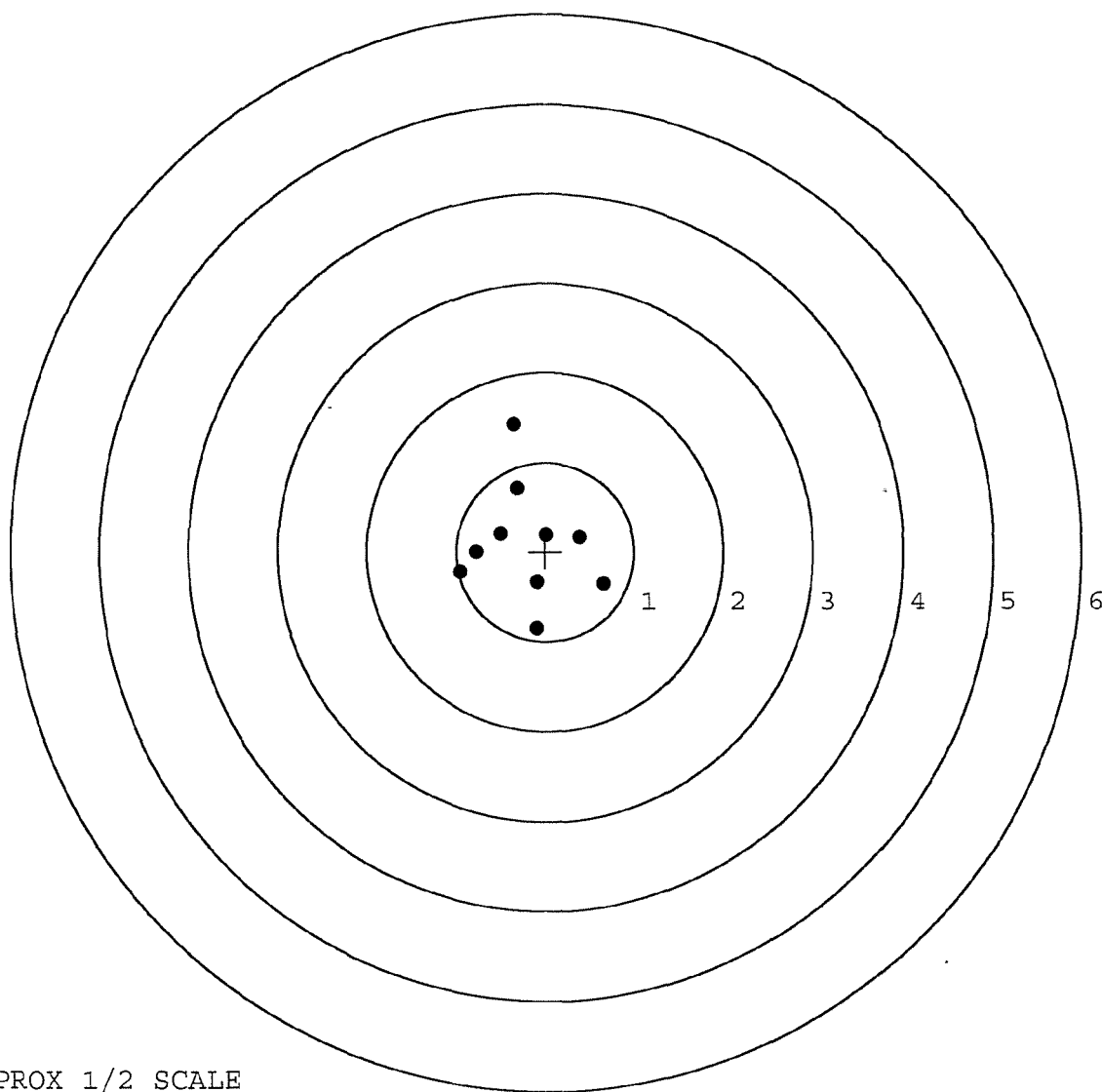
MEAN RADIUS: 0.692

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.659	-0.360
2:	-0.105	-0.864
3:	-0.098	-0.346
4:	0.389	0.173
5:	-0.959	-0.232
6:	-0.779	-0.006
7:	-0.359	1.425
8:	-0.325	0.711
9:	-0.501	0.200
10:	0.013	0.193



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288258. _2

TARGET NUMBER: 3

FILE DATE: 12/07/2004

FILE TIME: 08:01

X CENTROID: 0.203

Y CENTROID: -0.003

POA TO CENTROID: 0.203

HORZ SPREAD: 1.454

VERT SPREAD: 1.173

GROUP SPREAD: 1.521

MIN RADIUS: 0.306

MAX RADIUS: 0.849

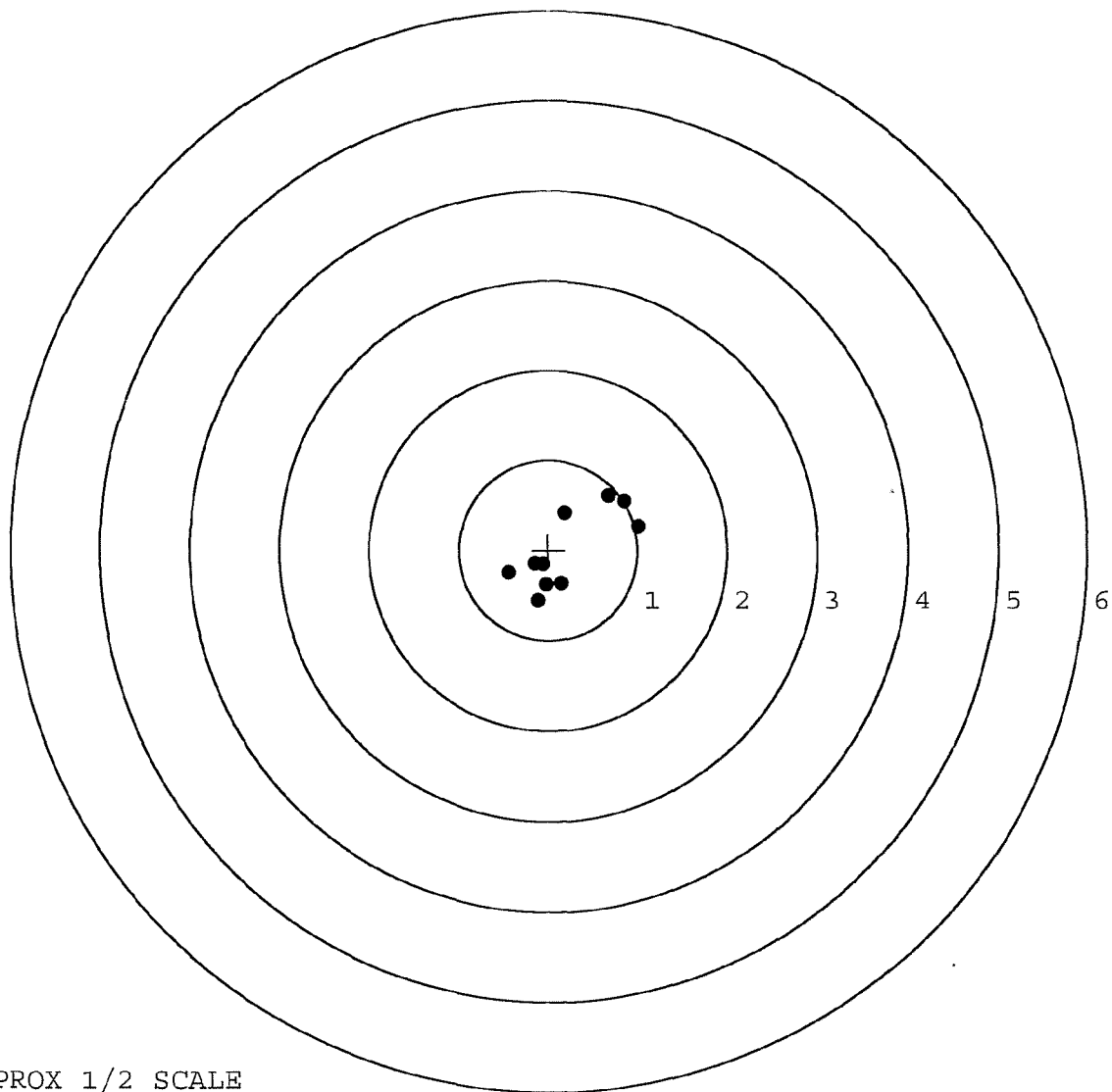
MEAN RADIUS: 0.574

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.007	0.268
2:	0.849	0.548
3:	0.673	0.609
4:	0.179	0.418
5:	-0.062	-0.155
6:	0.146	-0.367
7:	-0.123	-0.564
8:	-0.447	-0.249
9:	-0.159	-0.153
10:	-0.030	-0.380

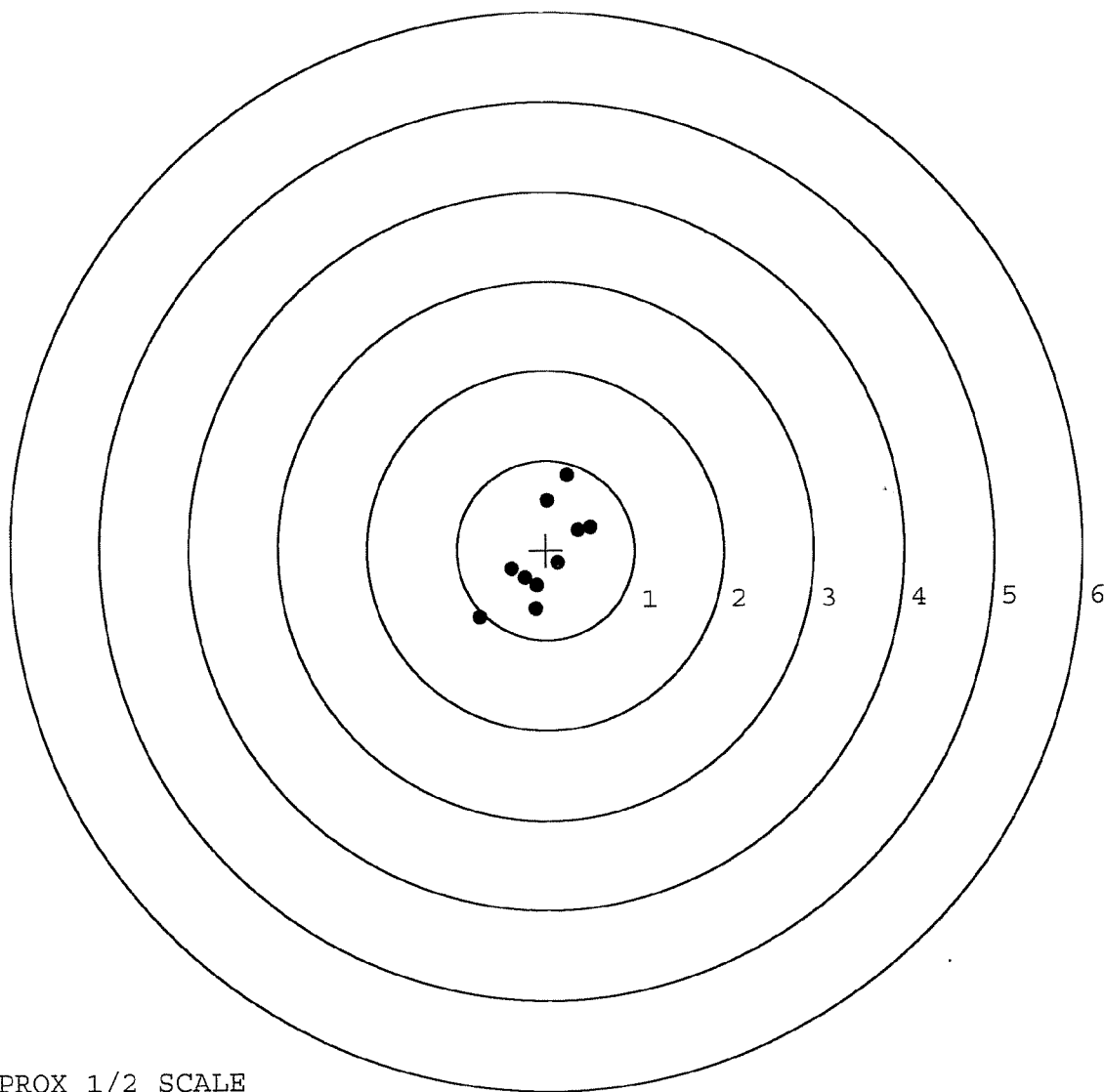


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288258. 2
TARGET NUMBER: 4
FILE DATE: 12/07/2004
FILE TIME: 08:01

X CENTROID: -0.036
Y CENTROID: -0.059
POA TO CENTROID: 0.069
HORZ SPREAD: 1.253
VERT SPREAD: 1.588
GROUP SPREAD: 1.873
MIN RADIUS: 0.185
MAX RADIUS: 0.995
MEAN RADIUS: 0.550
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.503	0.259
2:	0.363	0.221
3:	0.244	0.836
4:	0.016	0.556
5:	0.129	-0.143
6:	-0.393	-0.211
7:	-0.121	-0.655
8:	-0.107	-0.394
9:	-0.242	-0.307
10:	-0.750	-0.752



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288258. 2

TARGET NUMBER: 5

FILE DATE: 12/07/2004

FILE TIME: 08:01

X CENTROID: -0.102

Y CENTROID: -0.064

POA TO CENTROID: 0.120

HORZ SPREAD: 2.204

VERT SPREAD: 1.199

GROUP SPREAD: 2.344

MIN RADIUS: 0.165

MAX RADIUS: 1.727

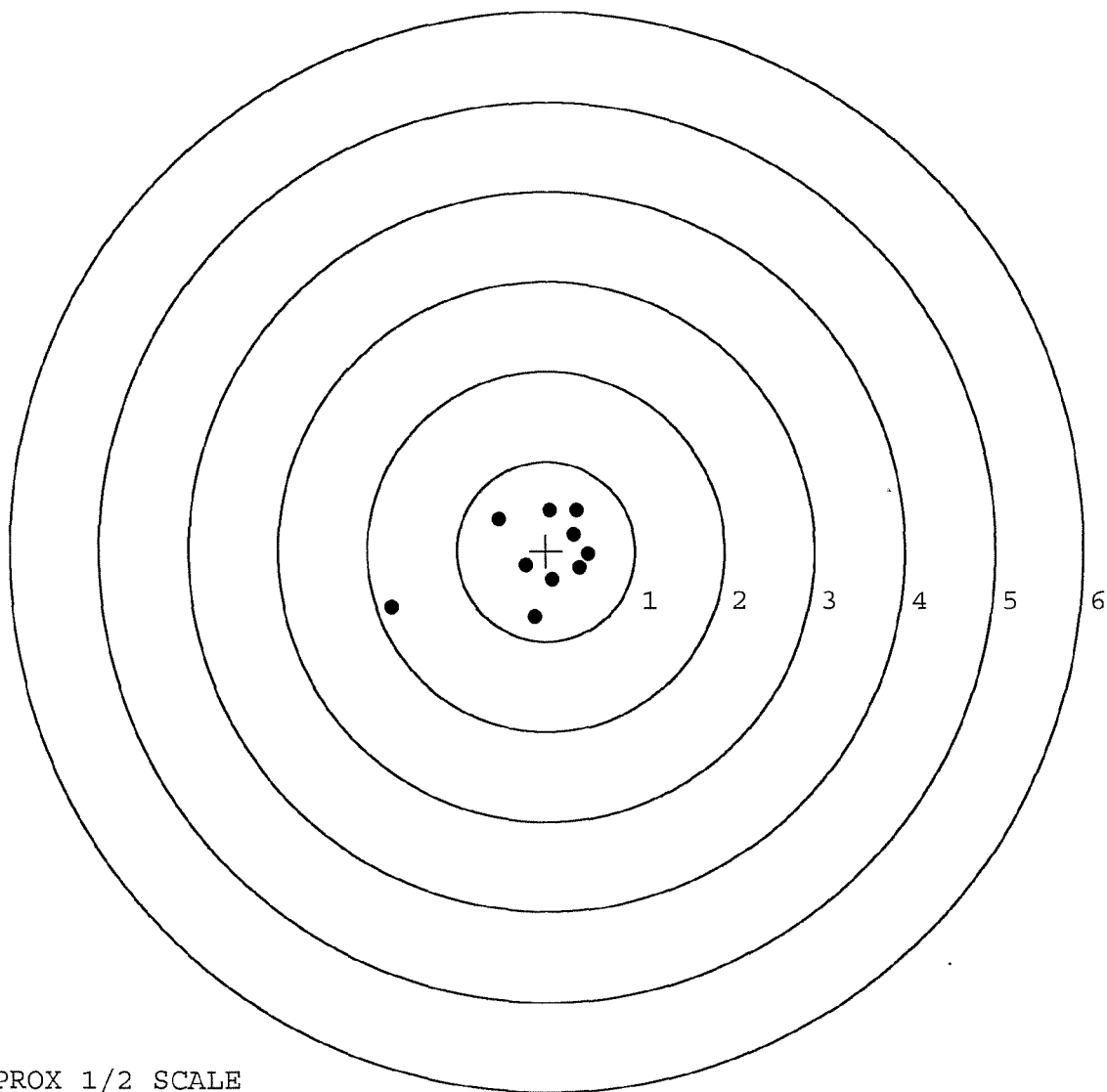
MEAN RADIUS: 0.625

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.731	-0.638
2:	-0.535	0.348
3:	0.036	0.454
4:	0.340	0.459
5:	-0.233	-0.164
6:	-0.130	-0.740
7:	0.071	-0.321
8:	0.380	-0.189
9:	0.473	-0.034
10:	0.311	0.182



TARGET APPROX 1/2 SCALE

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6288258.___1
FILE DATE AND TIME: 12/07/2004 07:56

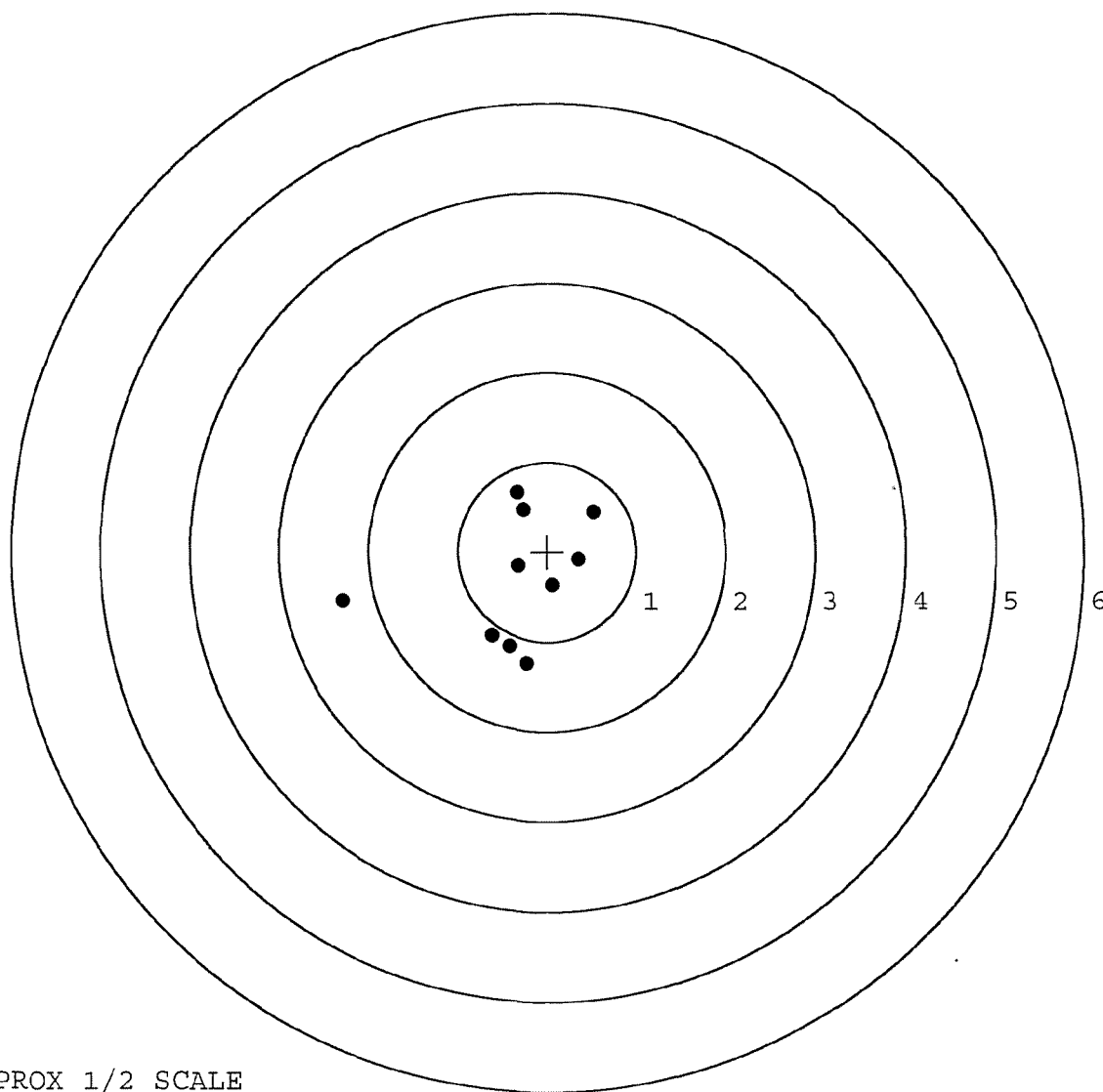
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.151
The Average Y Centroid of the Five Target Set:	-0.068
The Average Point of Impact of the Five Target Set:	0.165
The Average Mean Radius of the Five Target Set:	0.793
The Distance from POA to Centroid Target #1:	0.461
The Distance from Centroid Target #2 to Centroid Target #1:	0.496
The Distance from Centroid Target #3 to Centroid Target #1:	0.379
The Distance from Centroid Target #4 to Centroid Target #1:	0.306
The Distance from Centroid Target #5 to Centroid Target #1:	0.358

SERIAL NUMBER: G6288258. 1
TARGET NUMBER: 1
FILE DATE: 12/07/2004
FILE TIME: 07:56

X CENTROID: -0.362
Y CENTROID: -0.285
POA TO CENTROID: 0.461
HORZ SPREAD: 2.809
VERT SPREAD: 1.905
GROUP SPREAD: 2.982
MIN RADIUS: 0.134
MAX RADIUS: 1.949
MEAN RADIUS: 0.854
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.246	-1.243
2:	-0.428	-1.057
3:	-0.624	-0.935
4:	0.057	-0.379
5:	0.350	-0.089
6:	0.517	0.442
7:	-0.329	-0.155
8:	-0.280	0.467
9:	-0.346	0.662
10:	-2.292	-0.559



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288258. 1

TARGET NUMBER: 2

FILE DATE: 12/07/2004

FILE TIME: 07:56

X CENTROID: -0.015

Y CENTROID: 0.069

POA TO CENTROID: 0.071

HORZ SPREAD: 1.729

VERT SPREAD: 2.130

GROUP SPREAD: 2.301

MIN RADIUS: 0.292

MAX RADIUS: 1.463

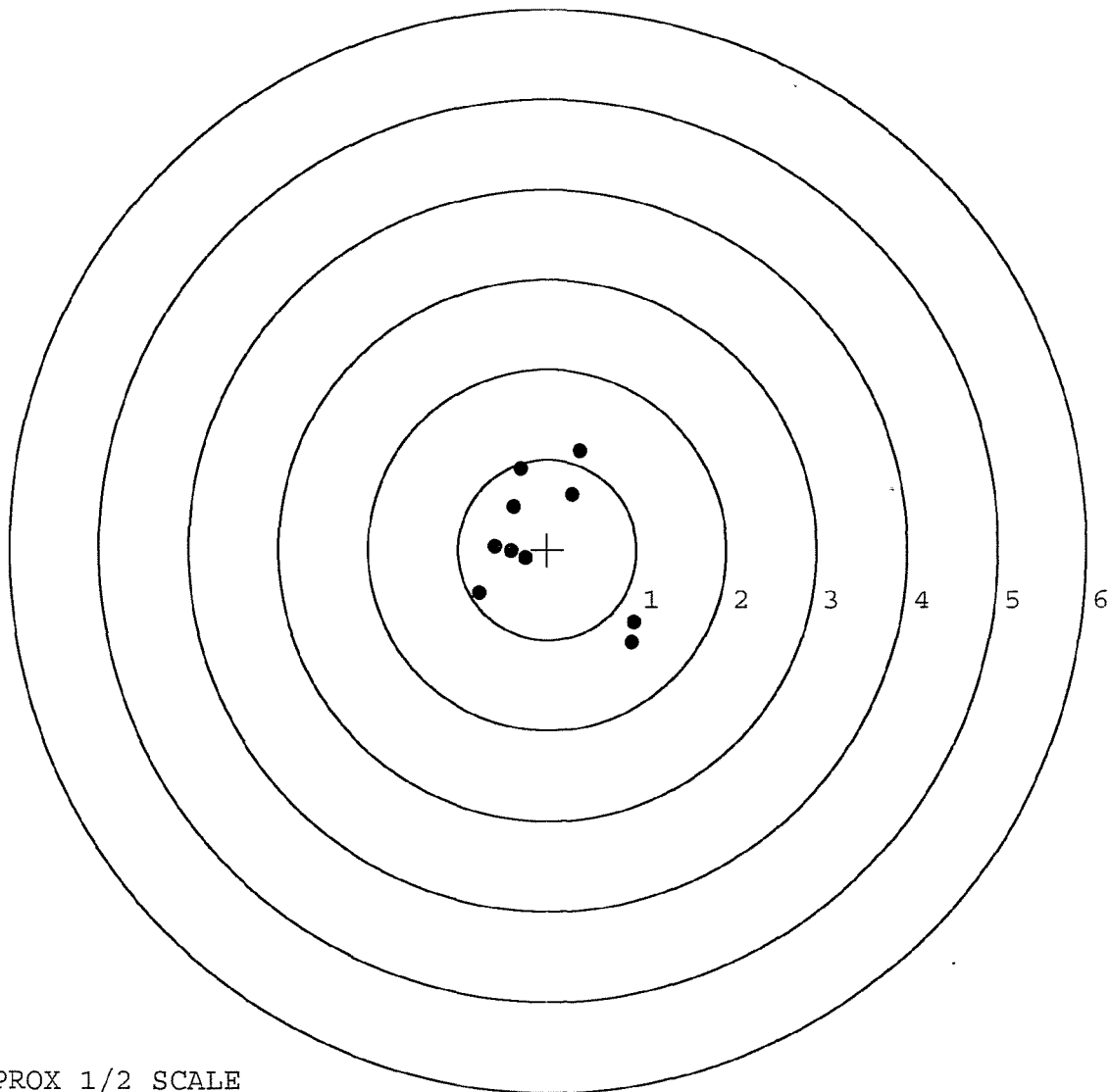
MEAN RADIUS: 0.812

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

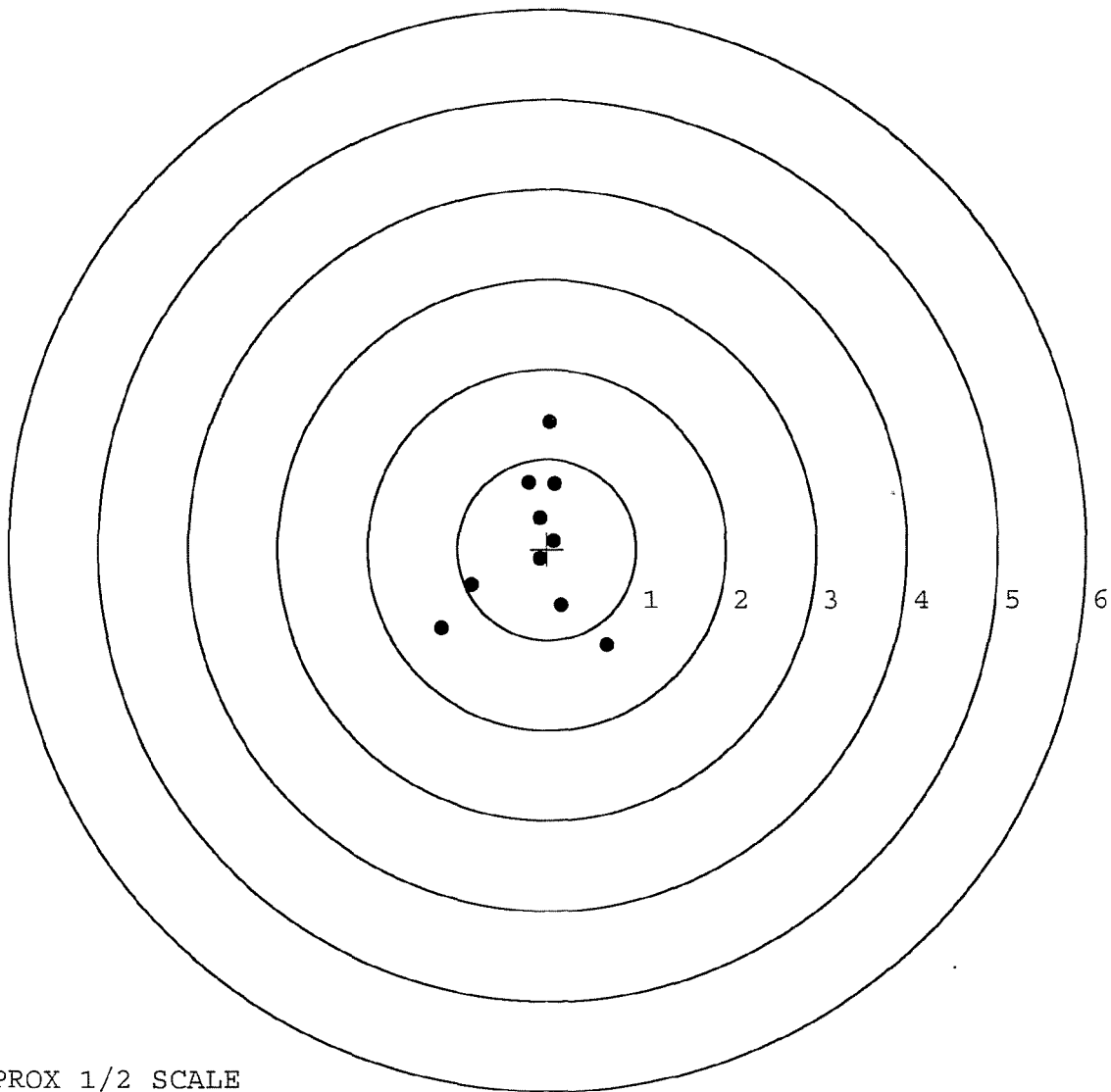
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.951	-1.030
2:	0.968	-0.806
3:	-0.761	-0.486
4:	-0.253	-0.099
5:	-0.590	0.037
6:	-0.384	0.476
7:	-0.305	0.898
8:	0.276	0.617
9:	0.361	1.100
10:	-0.408	-0.016



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288258. 1	POINT#	X	Y
TARGET NUMBER: 3	1:	0.673	-1.058
FILE DATE: 12/07/2004	2:	0.157	-0.625
FILE TIME: 07:56	3:	-0.086	-0.109
	4:	-0.843	-0.399
X CENTROID: -0.140	5:	-1.183	-0.886
Y CENTROID: 0.023	6:	0.075	0.091
POA TO CENTROID: 0.142	7:	0.080	0.724
HORZ SPREAD: 1.856	8:	-0.212	0.739
VERT SPREAD: 2.467	9:	0.026	1.409
GROUP SPREAD: 2.594	10:	-0.090	0.342
MIN RADIUS: 0.143			
MAX RADIUS: 1.396			
MEAN RADIUS: 0.781			
# IN 1 IN DIAMETER: 3			
# IN 2 IN DIAMETER: 7			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288258. _1

TARGET NUMBER: 4

FILE DATE: 12/07/2004

FILE TIME: 07:56

X CENTROID: -0.191

Y CENTROID: -0.031

POA TO CENTROID: 0.193

HORZ SPREAD: 1.688

VERT SPREAD: 2.252

GROUP SPREAD: 2.143

MIN RADIUS: 0.081

MAX RADIUS: 1.233

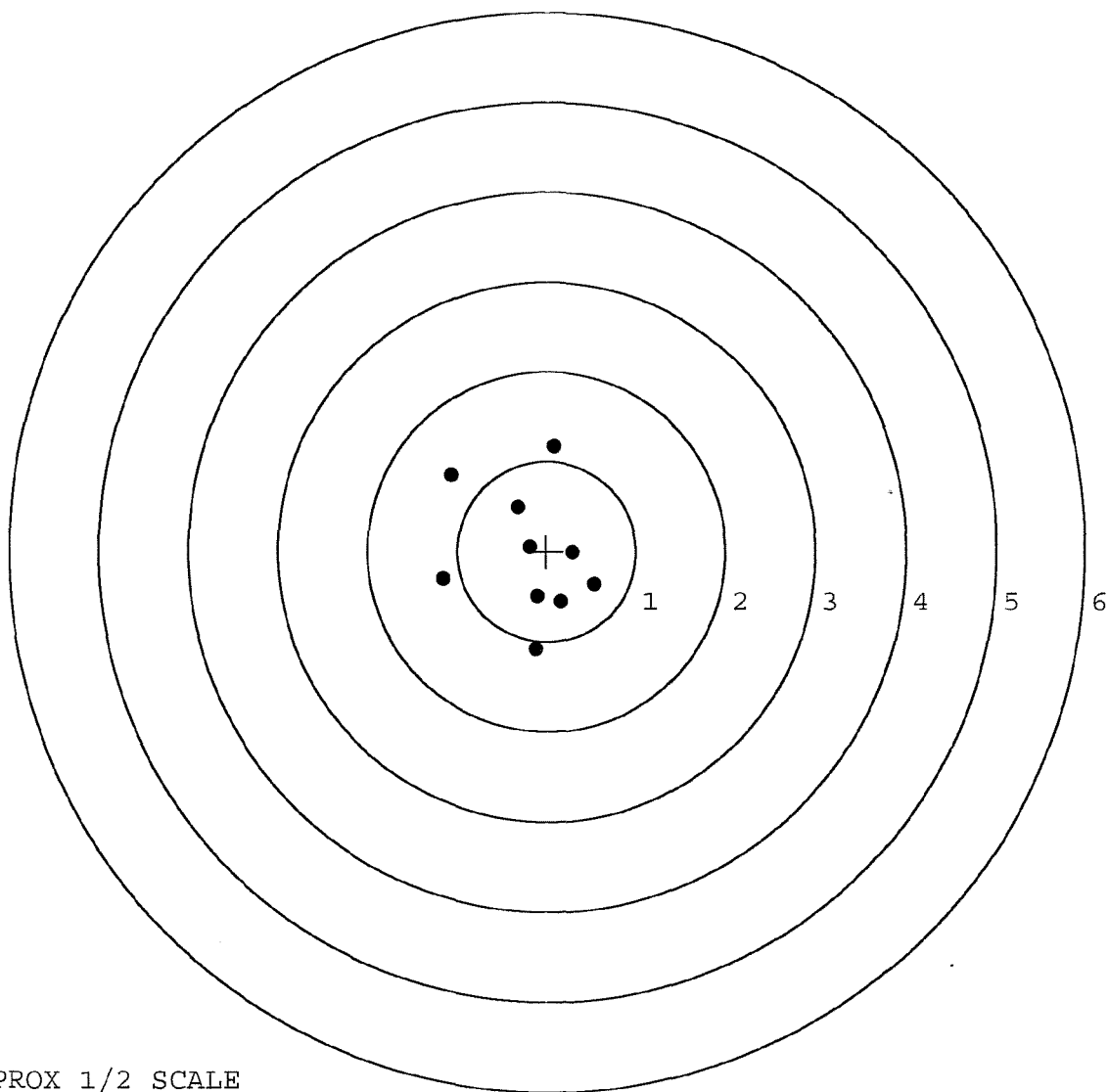
MEAN RADIUS: 0.754

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.154	-0.315
2:	-0.188	0.050
3:	-0.332	0.487
4:	-1.069	0.835
5:	0.084	1.164
6:	0.291	-0.007
7:	0.534	-0.364
8:	0.154	-0.564
9:	-0.107	-0.506
10:	-0.123	-1.088

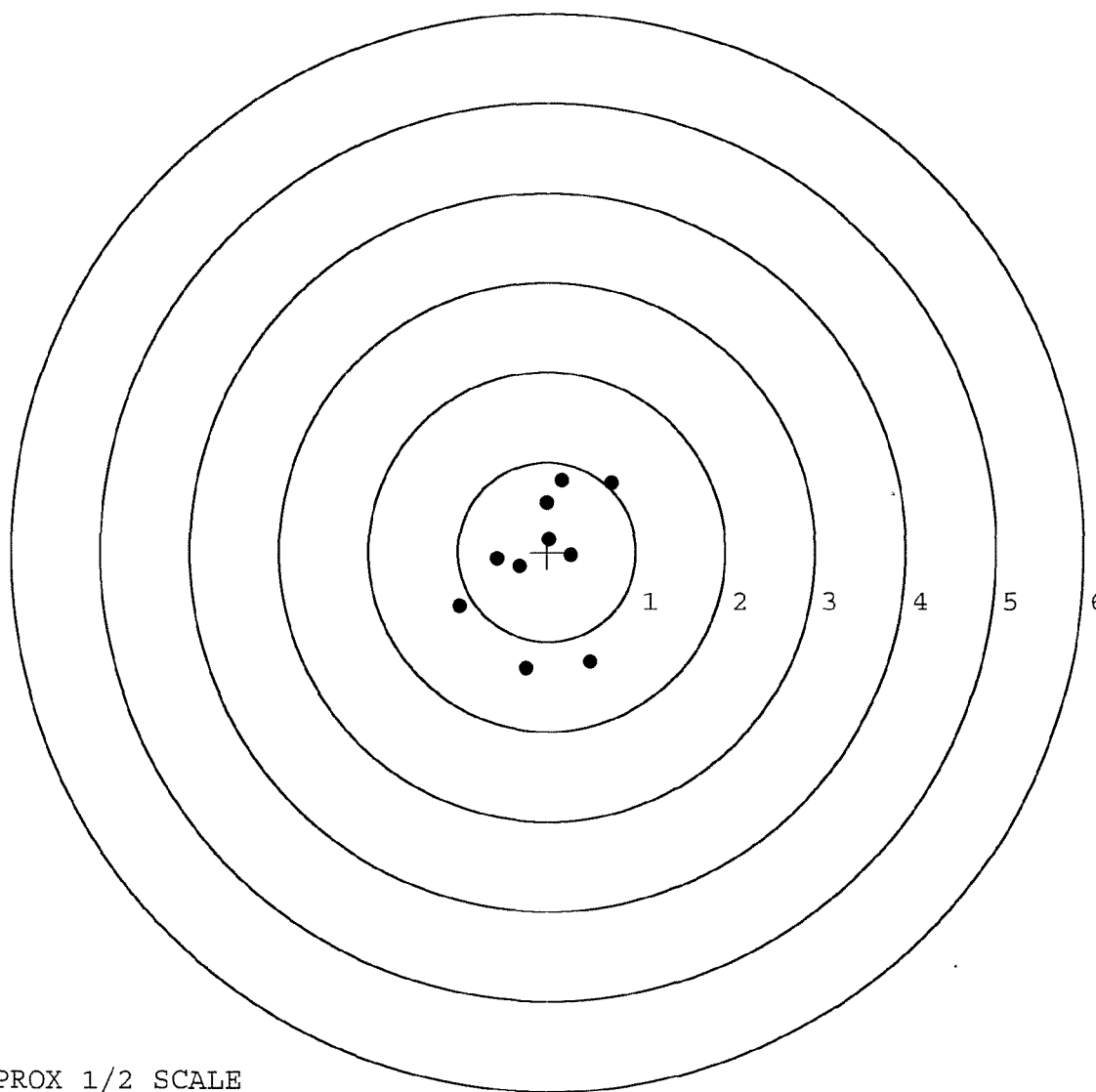


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288258. 1
TARGET NUMBER: 5
FILE DATE: 12/07/2004
FILE TIME: 07:56

X CENTROID: -0.045
Y CENTROID: -0.117
POA TO CENTROID: 0.126
HORZ SPREAD: 1.704
VERT SPREAD: 2.100
GROUP SPREAD: 2.054
MIN RADIUS: 0.266
MAX RADIUS: 1.233
MEAN RADIUS: 0.765
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.486	-1.230
2:	-0.245	-1.302
3:	-0.981	-0.616
4:	-0.312	-0.162
5:	-0.566	-0.082
6:	0.023	0.140
7:	0.268	-0.034
8:	-0.010	0.549
9:	0.161	0.798
10:	0.723	0.767



TARGET APPROX 1/2 SCALE

FINAL INSPECTION CHECKLIST M-24 REPAIRS
CONTRACT #: DAAE-20-02-D-0127

SERIAL # G 6288258 INSPECTED BY: AC

DATE REC'D: 11-8-04 DATE RET'D: 12-9-04

ITEM

BARREL ASSEMBLY

☒ BARREL
☒ RECEIVER
☐ FRONT SIGHT BASE
☐ REAR SIGHT BASE
☐ SCREWS
☒ FINISH

SCOPE ASSEMBLY

☐ SCOPE
☐ SCOPE RINGS
☐ MOUNTING SCREWS
☐ MOUNTING BASE
☐ SCREWS
☐ FINISH
☐ CLARITY

ITEM

STOCK ASSEMBLY

☒ STOCK
☒ SLING AWIVEL STUDS
☒ ADJUSTABLE
☒ BUTT PLATE
☒ LOCK NUTS
☒ BARREL CLEARANCE
☒ COLOR / FINISH

SYSTEMS CASE

☐ SCOPE CASE
☐ IRON SIGHTS
☐ DEPLOYMENT KIT

TRIGGER ASSEMBLY

☒ SAFETY OPERATION
☒ RE-SET TO FACTORY SPECS

COMMENTS:

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	87624		
SERIAL NUMBER	G 6288258		Suppressor #4367
LOG-IN DATE	11-8-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-12-04	AC
560 A	RE-BARREL	11-16-04	RTL
B	DRILL AND TAP	NA	NA
575	ASSEMBLE	11-16-04	RTL
600	PROOF	11-16-04	RTL
605	CHECK HEADSPACE	11-16-04	RTL
610	DIS-ASSEMBLE GUN	11-17-04	RTL
612	MAGNAFLUX	OPERATOR	W
615	ROLLMARK CALIBER	11-18-04	SB/CW
618	ROTO-BLAST	11-30-04	LB
620	APPLY COATINGS	12/1/04	H
625 A	FINAL ASSEMBLY	12-6-04	RTL
B	TRIGGER PULL TEST	NA	
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-7-04	AC
655	FINAL INSPECT	12-8-04	AC
660	PACK	12/9/04	GA
		SHIP DATE	
		QAR INSPECTION DATE	

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



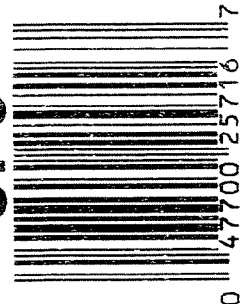
ORDER NO. **25716**

BARREL LENGTH **24"**

CAPACITY **6**

G6288258

UPC



DD FORM

VERY IMPORTANT! INSTRUCTION BOOK ENCLOSED TO ASSURE SAFE USE OF THIS FIREARM

Remington®

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

Serial No. **66288258**
Order No. **25716**

Made in Illinois, U.S.A. Pat. & tm. Off. Patent Registered Mark Deposited

17XX

5716 66288258

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



SERIAL NO.



M-24
INSPECTION CHECKLIST-NEW GUNS

GUN SERIAL # G6288258

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		11-12-03	RTL
600	PROOF		11-13-03	AC
607	CHECK HEADSPACE		11-13-03	AC
610	DIS-ASSEMBLE GUN		11-13-03	RTL
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT	NOV 13 2003 OPERATOR <u>BS</u>		
615	ROLLMARK CALIBER		11-14-03	JB
617	DRILL AND TAP SIGHT HOLES		11-13-03	TRC
620	APPLY COATINGS (BARREL ACTION)			
	(BOLT)			
625	FINAL ASSEMBLY			
	A) CLEAN INSIDE OF BOLT ASSEMBLY		12/1/03	RA
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		12/1/03	RA
	C) INSPECT EJECTOR HOLE FOR CHAMFER		12/1/03	RA
	D) OIL FIRING PIN ASSEMBLY		12/1/03	RA
	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>7.5</u> <u>6</u> <u>6</u>	<u>12/9/03</u>	<u>RU</u>
CONT.				
	G) SAFETY OFF FORCE 2 LBS MIN	<u>2</u> <u>2</u> <u>2</u>	<u>12/9/03</u>	<u>RU</u>
	H) TRIGGER PULL TEST AND RETAINABILITY			
	I) FIRING PIN INDENT .020 MIN	<u>.0245</u> <u>.024</u> <u>.024</u>	<u>12/9/03</u>	<u>RU</u>
	J) ASSEMBLE STOCK		<u>12-2-03</u>	<u>RT</u>
	K) ASSEMBLE SWIVEL STUDS		<u>12/11/03</u>	<u>RU</u>
	L) ATTACH FRONT AND REAR SIGHT ASSY'S		<u>12-2-03</u>	<u>RT</u>
	M) IRON SIGHT ALIGNMENT		<u>12-2-03</u>	<u>RT</u>
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER		<u>12-2-03</u>	<u>RT</u>
640	GALLERY TEST AND TARGET	PASS FAIL	<u>12-8-03</u>	<u>✓</u>
	MALFUNCTION	CORRECTION	<u>12-8-03</u>	<u>✓</u>
	MALFUNCTION	CORRECTION	<u>12-8-03</u>	<u>✓</u>
	MALFUNCTION	CORRECTION	<u>12-8-03</u>	<u>✓</u>
	MALFUNCTION	CORRECTION	<u>12-8-03</u>	<u>✓</u>
645	INSPECT FOR LIVE AMMO		<u>12-8-03</u>	<u>✓</u>
655	FINAL INSPECTION A) HEADSPACE		<u>12/11/03</u>	<u>RU</u>
	B) TRIGGER PULL +/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<u>2.81</u> <u>2.74</u> <u>2.82</u> <u>2.57</u> <u>2.56</u>	<u>12/9/03</u>	<u>RU</u>
	C) FUNCTION		<u>12/11/03</u>	<u>RU</u>
660	PACK		<u>12/12/03</u>	<u>RA</u>

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

TESTER

12-2

CD

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.27	2.18		2.04	
PULL #2	2.33	2.08		2.18	
PULL #3	2.26	2.18		2.23	
PULL #4	2.22	2.05		2.23	
PULL #5	2.17	2.02		2.37	
TOTAL	11.25	10.51		11.05	
AVERAGE	2.25	2.10		2.21	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.40		
PULL #2	3.01	2.85		
PULL #3	3.44	3.16		
PULL #4	3.17	3.25		
PULL #5	3.28	2.96		
TOTAL	16.15	15.62		
AVERAGE	3.23	3.12		

	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	4.16	3.85		4.24
PULL #2	4.10	3.86		4.22
PULL #3	4.15	4.10		4.18
PULL #4	4.25	4.07		4.21
PULL #5	4.26	3.88		4.22
TOTAL	20.92	19.76		21.07
AVERAGE	4.18	3.95		4.21

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6288258.___0
FILE DATE AND TIME: 12/08/2003 11:37

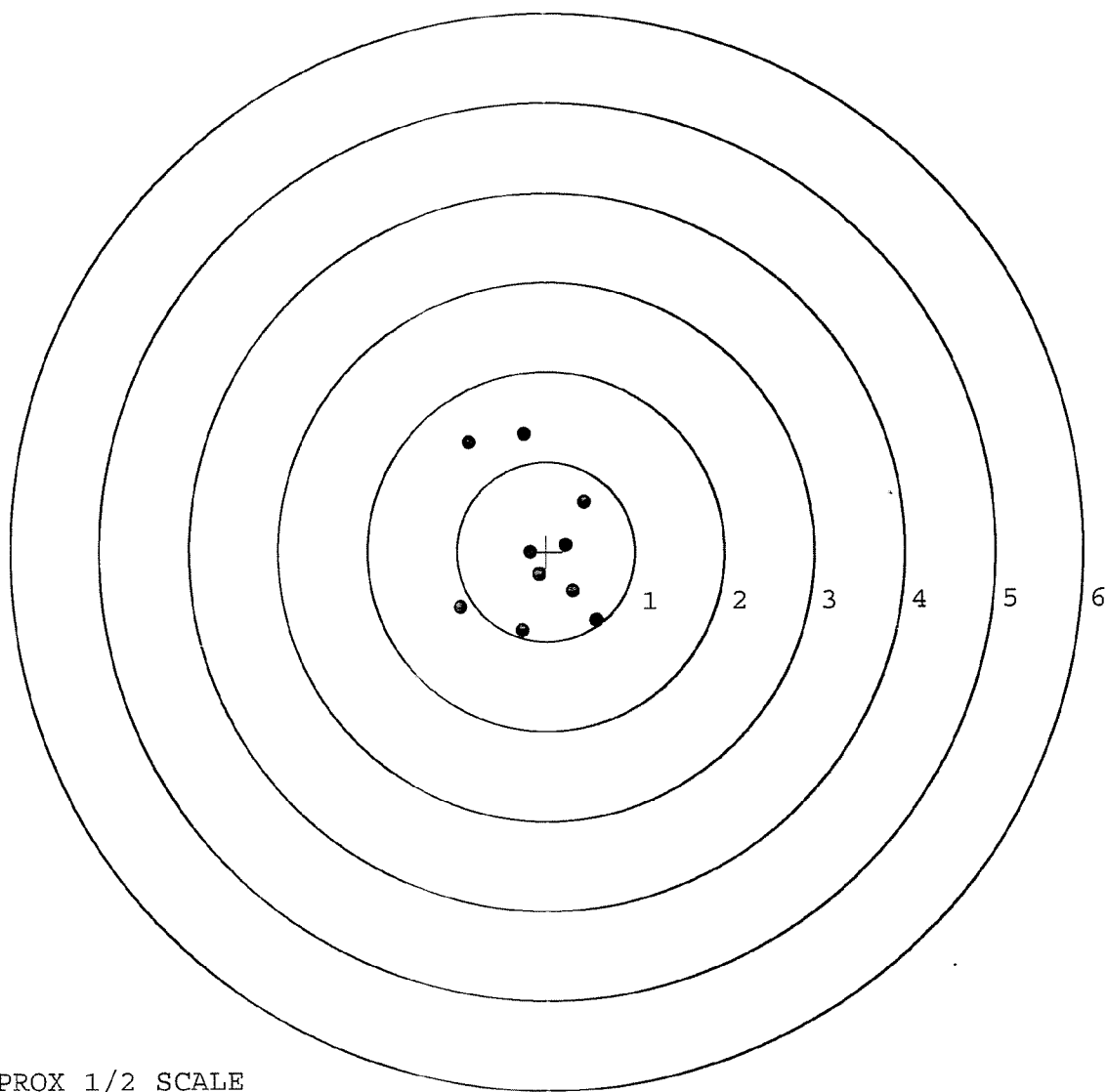
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The Average Y Centroid of the Five Target Set:	0.056
The Average Point of Impact of the Five Target Set:	0.071
The Average Mean Radius of the Five Target Set:	0.750
The Distance from POA to Centroid Target #1:	0.113
The Distance from Centroid Target #2 to Centroid Target #1:	0.132
The Distance from Centroid Target #3 to Centroid Target #1:	0.155
The Distance from Centroid Target #4 to Centroid Target #1:	0.100
The Distance from Centroid Target #5 to Centroid Target #1:	0.313

SERIAL NUMBER: G6288258.___0
TARGET NUMBER: 1
FILE DATE: 12/08/2003
FILE TIME: 11:37

X CENTROID: -0.112
Y CENTROID: 0.018
POA TO CENTROID: 0.113
HORZ SPREAD: 1.526
VERT SPREAD: 2.195
GROUP SPREAD: 2.445
MIN RADIUS: 0.079
MAX RADIUS: 1.413
MEAN RADIUS: 0.780
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.860	1.216
2:	-0.249	1.311
3:	0.427	0.559
4:	-0.185	-0.011
5:	-0.085	-0.254
6:	0.299	-0.441
7:	0.562	-0.773
8:	-0.275	-0.884
9:	-0.964	-0.626
10:	0.215	0.079

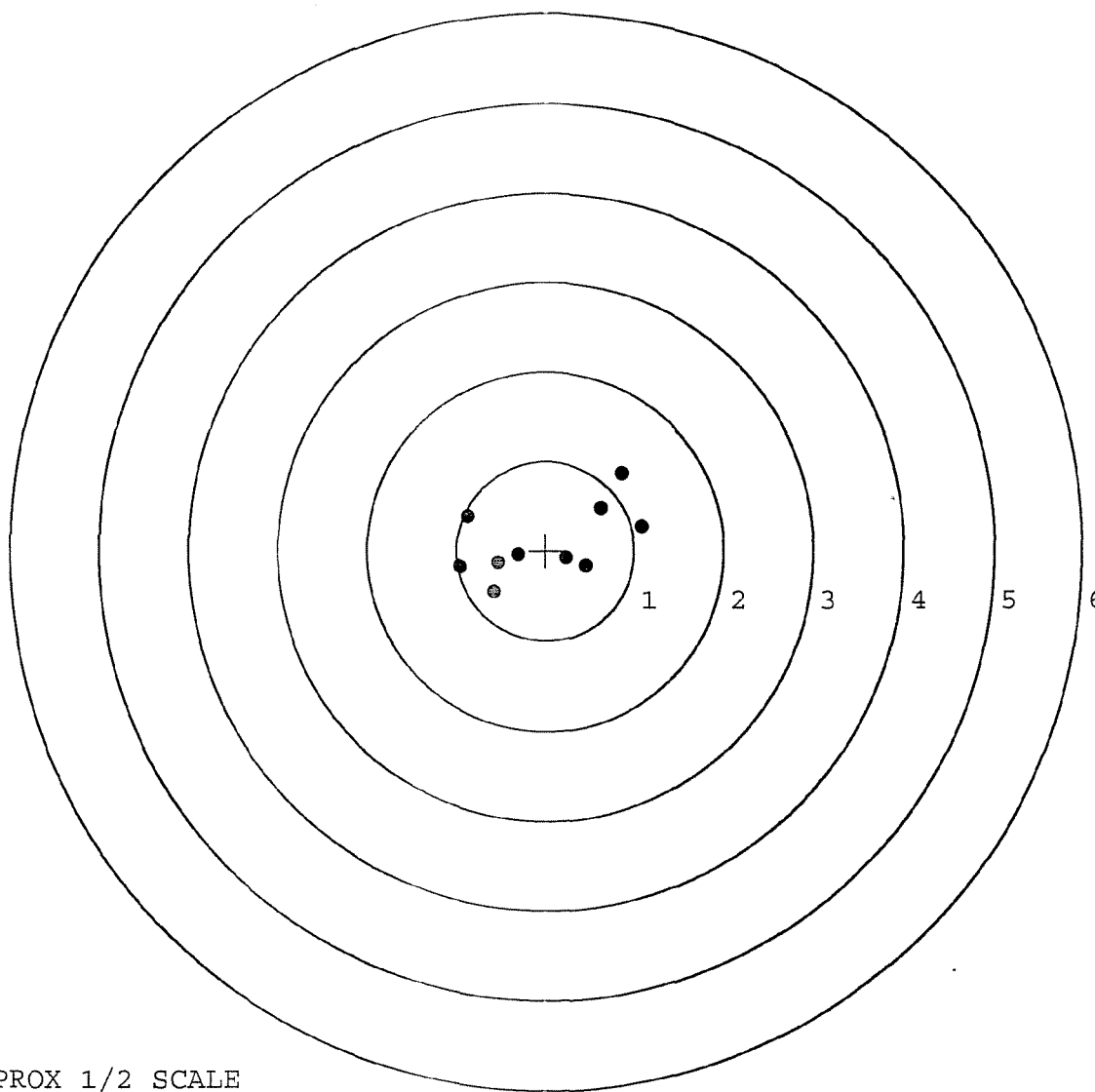


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288258. __0
TARGET NUMBER: 2
FILE DATE: 12/08/2003
FILE TIME: 11:37

X CENTROID: -0.002
Y CENTROID: 0.092
POA TO CENTROID: 0.092
HORZ SPREAD: 2.048
VERT SPREAD: 1.336
GROUP SPREAD: 2.103
MIN RADIUS: 0.292
MAX RADIUS: 1.160
MEAN RADIUS: 0.747
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.856	0.873
2:	0.624	0.486
3:	1.086	0.269
4:	0.454	-0.170
5:	0.230	-0.085
6:	-0.586	-0.463
7:	-0.535	-0.139
8:	-0.311	-0.053
9:	-0.875	0.387
10:	-0.962	-0.185



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288258. 0

TARGET NUMBER: 3

FILE DATE: 12/08/2003

FILE TIME: 11:37

X CENTROID: -0.070

Y CENTROID: -0.132

POA TO CENTROID: 0.149

HORZ SPREAD: 1.885

VERT SPREAD: 1.682

GROUP SPREAD: 2.297

MIN RADIUS: 0.162

MAX RADIUS: 1.416

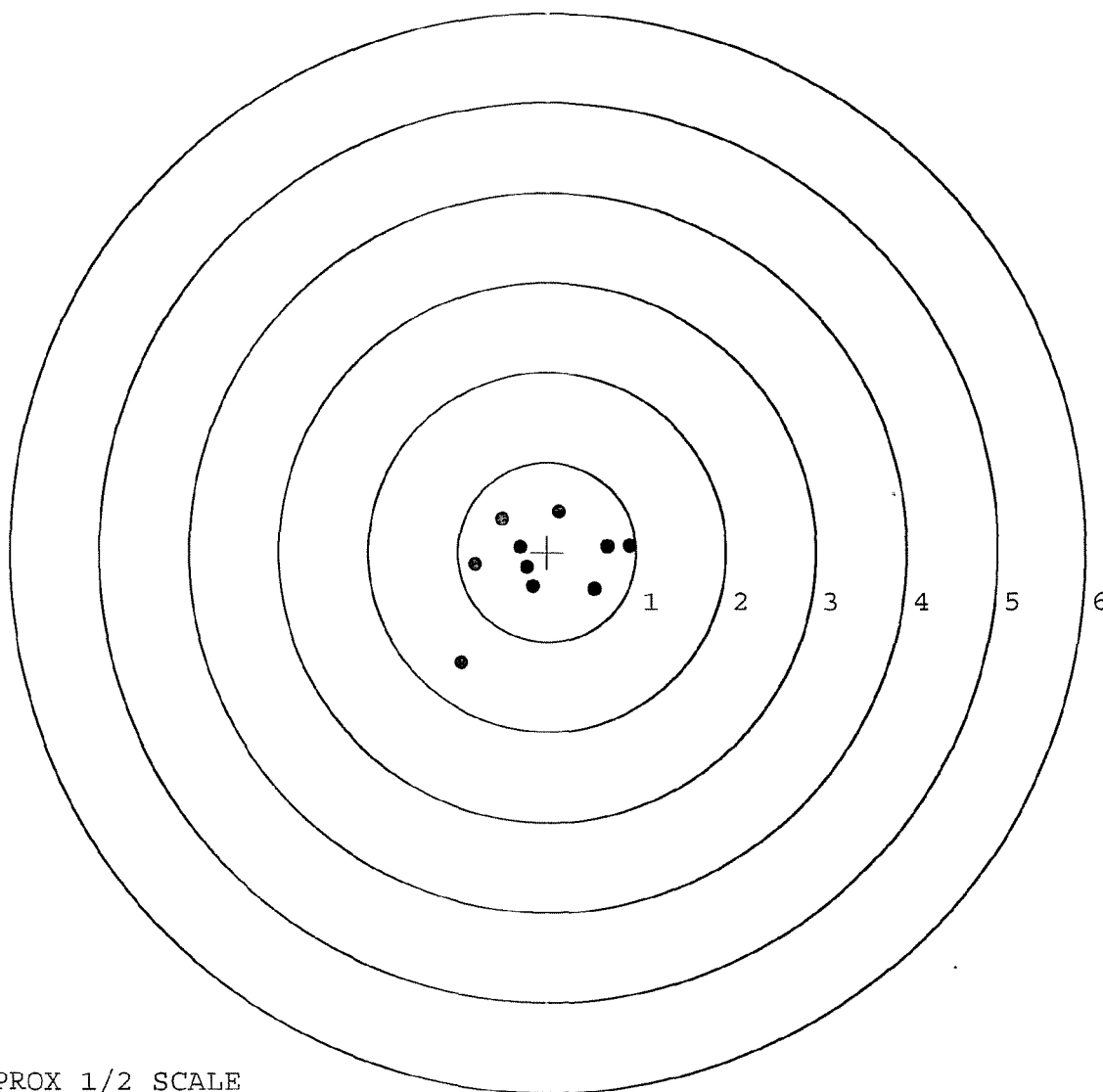
MEAN RADIUS: 0.661

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.128	0.448
2:	0.927	0.079
3:	0.680	0.072
4:	0.528	-0.412
5:	-0.509	0.368
6:	-0.303	0.054
7:	-0.165	-0.381
8:	-0.802	-0.138
9:	-0.958	-1.234
10:	-0.227	-0.172

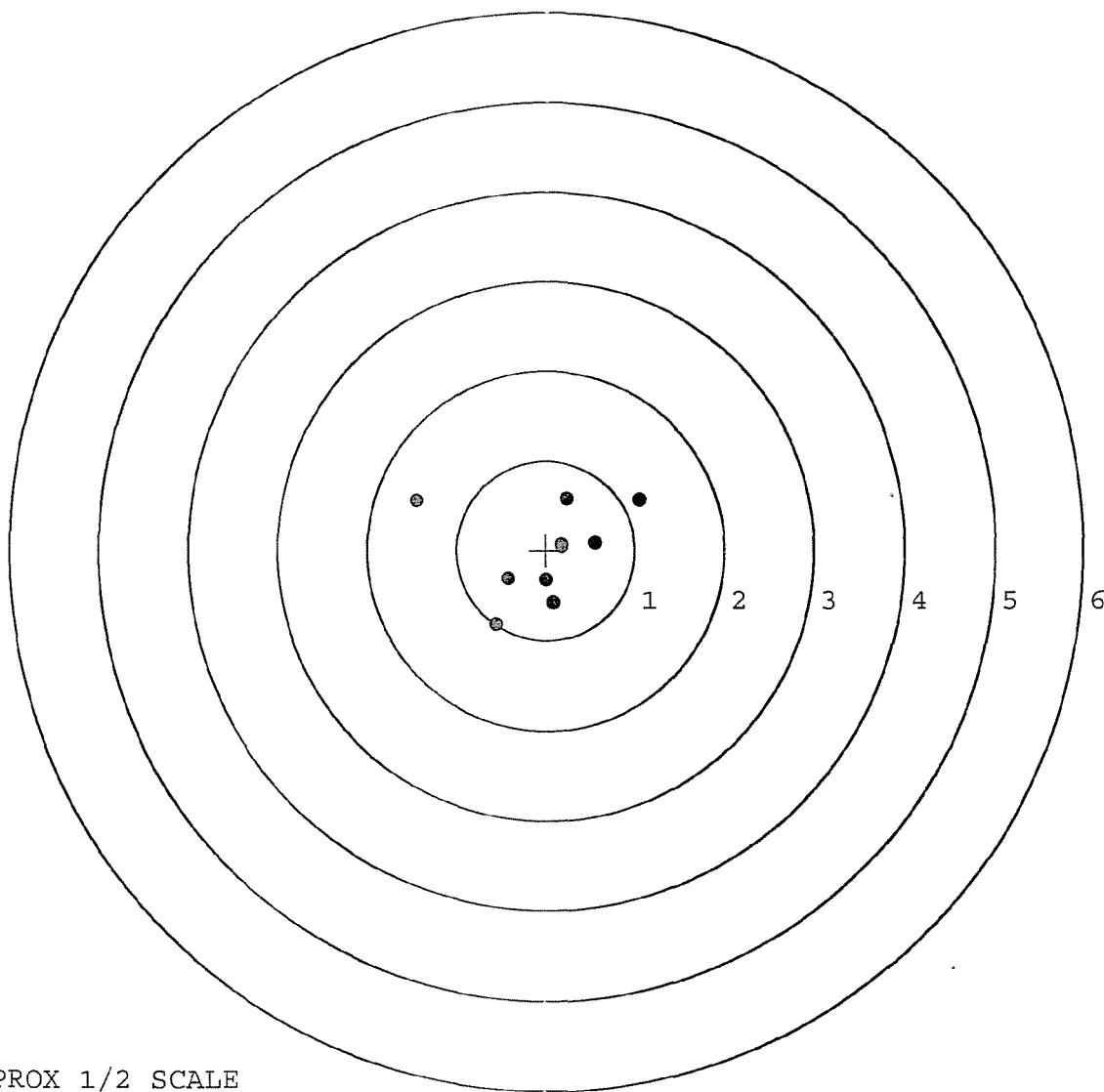


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288258. __0
TARGET NUMBER: 4
FILE DATE: 12/08/2003
FILE TIME: 11:37

POINT#	X	Y
1:	0.227	0.582
2:	1.048	0.572
3:	0.175	0.067
4:	0.555	0.089
5:	0.002	-0.337
6:	0.085	-0.587
7:	-0.428	-0.322
8:	-0.566	-0.828
9:	-1.448	0.551
10:	0.174	0.041

X CENTROID: -0.018
Y CENTROID: -0.017
POA TO CENTROID: 0.025
HORZ SPREAD: 2.496
VERT SPREAD: 1.410
GROUP SPREAD: 2.496
MIN RADIUS: 0.200
MAX RADIUS: 1.539
MEAN RADIUS: 0.679
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

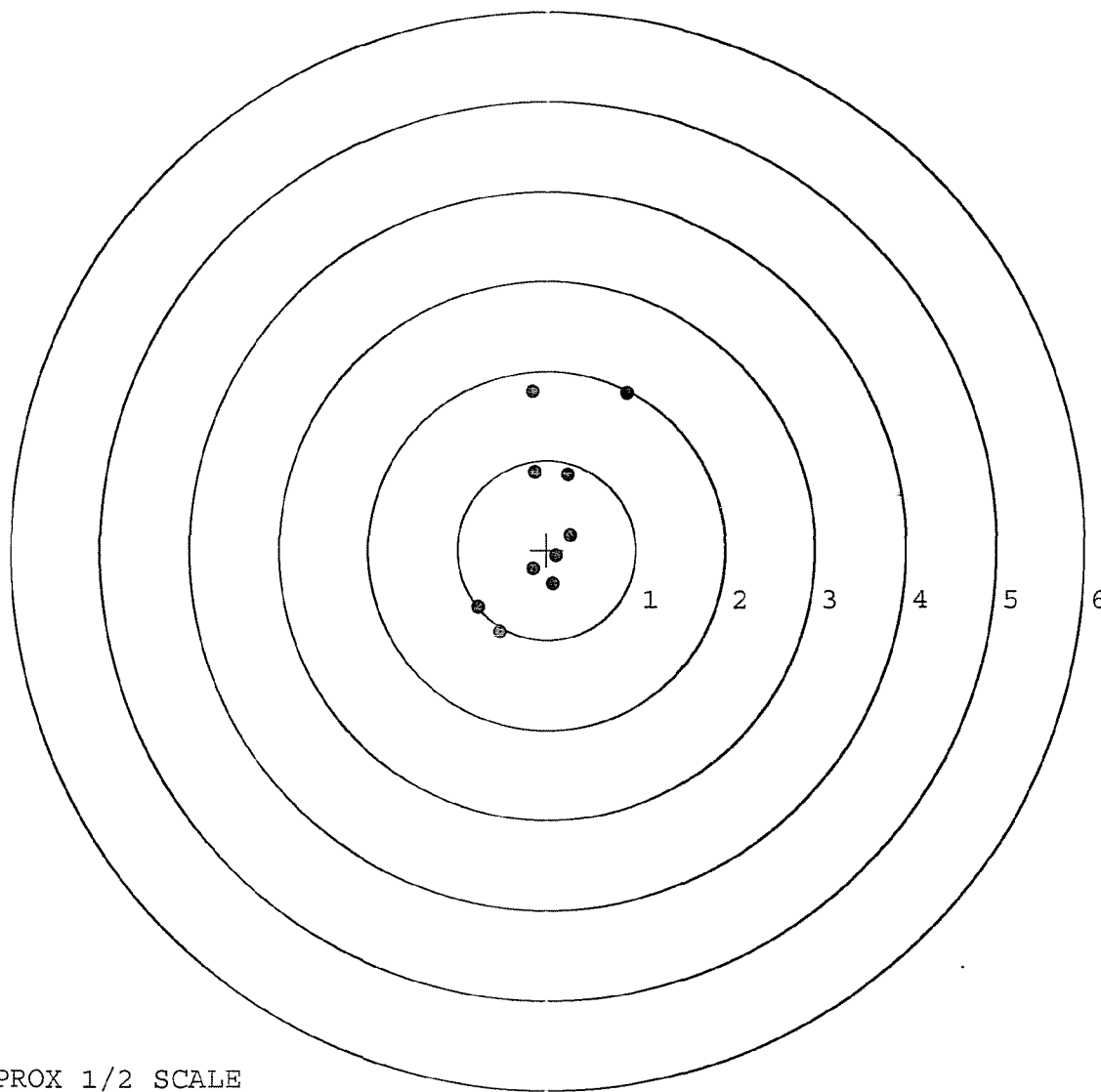


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288258. __0
TARGET NUMBER: 5
FILE DATE: 12/08/2003
FILE TIME: 11:37

X CENTROID: -0.021
Y CENTROID: 0.317
POA TO CENTROID: 0.318
HORZ SPREAD: 1.662
VERT SPREAD: 2.684
GROUP SPREAD: 3.028
MIN RADIUS: 0.322
MAX RADIUS: 1.705
MEAN RADIUS: 0.885
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.895	1.755
2:	-0.167	1.767
3:	-0.145	0.871
4:	0.230	0.845
5:	-0.767	-0.642
6:	-0.529	-0.917
7:	0.260	0.161
8:	-0.156	-0.214
9:	0.101	-0.071
10:	0.067	-0.384



TARGET APPROX 1/2 SCALE