

G6288190

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: **RE00126309**

Serial: G6288190 Model M24 SWS Center Fire

Repairman:

Verify Repair

Status:

New 3/8/2007 5:06:19 AM

Address Information

Customer:

☒ Received From

Return To:

☒ Received From

Name: DEPARTMENT OF THE ARMY

DEPARTMENT OF THE ARMY

Address 1: C TROOP, 3RD BATTALION

C TROOP, 3RD BATTALION

Address 2: 73 RD CAVALRY REGIMENT

PO Box:

73 RD CAVALRY REGIMENT

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: 910 797 4814

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Frt and Rear Sgt Base	2

Repair Search

Refresh

Close

nagletj

3/8/2007

8:26 AM

CAPS

NUM

INS

SCRL

start

4 Micros...

Part Search...

Arms Servi...

3 Micros...

2 Interne...

8:26 AM

Serial Number: **G6288190**

Model: **M24 SWS**



RE00126309

Nagle, Thomas J.

From: West, Kimberly A CIV USA [Kimberly.A.West1@us.army.mil]
Sent: Wednesday, February 14, 2007 9:11 AM
To: Nagle, Thomas J.
Cc: Edwards, Janet M CIV USA
Subject: FW: Ft Bragg 3 Ea G6288190, C6296699, C6349879

Hi Tom-

You will be receiving these weapons soon. Apparently they are missing the Day optic scopes. Can you provide those?

Thanks,
Kim

Kimberly West
TACOM-RI
Rifle & Carbine Team
(309) 782-0926
DSN: 793-0926
kimberly.a.west1@us.army.mil

-----Original Message-----

From: West, Kimberly A CIV USA
Sent: Tuesday, February 13, 2007 9:25 AM
To: Edwards, Janet M CIV USA
Cc: ROCK-TACOM-SNIPER-REPAIR; West, Kimberly A CIV USA
Subject: Ft Bragg 3 Ea G6288190, C6296699, C6349879

REF: G6288190, C6296699, C6349879

FTE: W91N8E 7043 4014
AOE:
R & R:
DODAAC:
POC: CW2 John Wescott 910-797-4814

Jan-

They will provide the AOE and DODAAC once the weapons are repaired because they may be at Ft Polk for training at that time.

Thanks,
Kim

Kimberly West
TACOM-RI
Rifle & Carbine Team
(309) 782-0926
DSN: 793-0926
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DEPARTMENT OF THE ARMY
C TROOP, 3RD BATTALION, 73RD CAVALRY REGIMENT
FORT BRAGG, NORTH CAROLINA 28310-5100

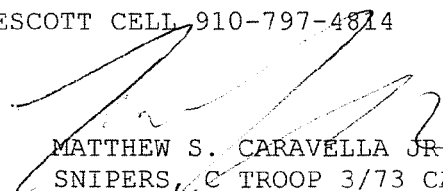
AFVC-AC-C

22 FEB 07

MEMORANDUM FOR REMINGTON ARMS

SUBJECT: MISSING EQUIPMENT FOR M24 SWS SYSTEMS

1. M24 SWS SN- G6288190- MISSING M3A SCOPE, BIPOD LEGS, AND DEPLOYMENT KIT
2. M24 SWS SN- G296699 AND C6348979 MISSING DEPLOYMENT KITS
3. Spoke with Tom Nagel and he said that these items would be replaced and covered under warranty.
4. FOR ANY QUESTIONS PLEASE CONTACT SSG MATTHEW S CARAVELLA
CELL 781-962-2598 OR WO2 WESCOTT CELL 910-797-4814



MATTHEW S. CARAVELLA JR.
SNIPERS, C TROOP 3/73 CAV
SECTION LEADER

DEPARTMENT OF THE ARMY
C TROOP, 3RD BATTALION, 73RD CAVALRY REGIMENT
FORT BRAGG, NORTH CAROLINA 28310-5100

AFVC-AC-C

22 FEB 07

MEMORANDUM FOR REMINGTON ARMS

SUBJECT: UNIT INFORMATION

1. DOCUMENT NUMBER IS : W91N8E 7043-4014
2. RETURN AOE IS: W91N8E 7051-4015
3. WEAPON SERIAL NUMBERS ARE : G6288190, G6296699, AND C6348979.
4. WEAPONS ARE BEING SENT FOR REFURBISHMENT FROM C TRP 3/73 CAV 82ND ABN DIV.
5. CONTACT CHIEF WESCOTT AT 910-797-4814 FOR ANY QUESTIONS.



MATTHEW S. CARAVELLA JR.
SNIPERS, C TROOP 3/73 CAV
SECTION LEADER

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6288190.___0
FILE DATE AND TIME: 03/26/2007 22:50

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.004
The Average Y Centroid of the Five Target Set:	0.049
The Average Point of Impact of the Five Target Set:	0.050
The Average Mean Radius of the Five Target Set:	0.725
The Distance from POA to Centroid Target #1:	0.516
The Distance from Centroid Target #2 to Centroid Target #1:	0.598
The Distance from Centroid Target #3 to Centroid Target #1:	0.663
The Distance from Centroid Target #4 to Centroid Target #1:	0.494
The Distance from Centroid Target #5 to Centroid Target #1:	0.652

SERIAL NUMBER: G6288190. __0

TARGET NUMBER: 1

FILE DATE: 03/26/2007

FILE TIME: 22:50

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

1:	-0.056	0.319
----	--------	-------

2:	-0.239	0.221
----	--------	-------

3:	-0.377	-0.072
----	--------	--------

4:	-0.620	0.475
----	--------	-------

5:	-0.230	-0.690
----	--------	--------

6:	0.543	-0.249
----	-------	--------

7:	0.701	0.307
----	-------	-------

8:	-0.669	1.833
----	--------	-------

9:	-0.252	2.661
----	--------	-------

10:	-0.337	0.119
-----	--------	-------

X CENTROID: -0.154

Y CENTROID: 0.492

POA TO CENTROID: 0.516

HORZ SPREAD: 1.370

VERT SPREAD: 3.351

GROUP SPREAD: 3.351

MIN RADIUS: 0.199

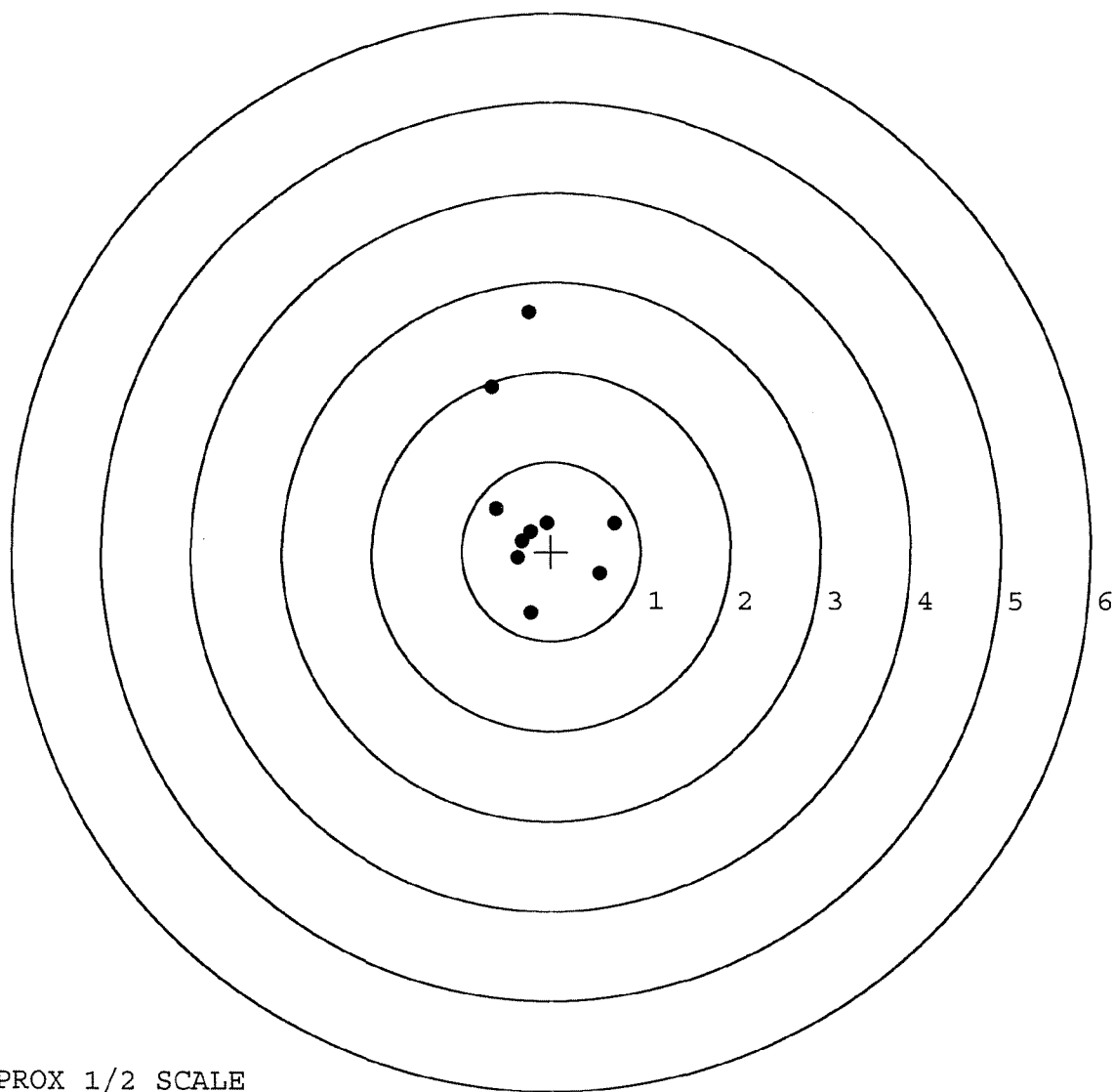
MAX RADIUS: 2.171

MEAN RADIUS: 0.866

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288190. __ 0

TARGET NUMBER: 2

FILE DATE: 03/26/2007

FILE TIME: 22:50

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

1:	-0.708	0.247
----	--------	-------

2:	0.215	-0.421
----	-------	--------

3:	0.151	-0.777
----	-------	--------

4:	0.433	-0.857
----	-------	--------

5:	0.650	-0.910
----	-------	--------

6:	0.875	-0.891
----	-------	--------

7:	0.212	0.596
----	-------	-------

8:	-0.080	0.940
----	--------	-------

9:	-0.365	0.798
----	--------	-------

10:	-0.511	0.723
-----	--------	-------

X CENTROID: 0.087

Y CENTROID: -0.055

POA TO CENTROID: 0.103

HORZ SPREAD: 1.583

VERT SPREAD: 1.850

GROUP SPREAD: 2.127

MIN RADIUS: 0.387

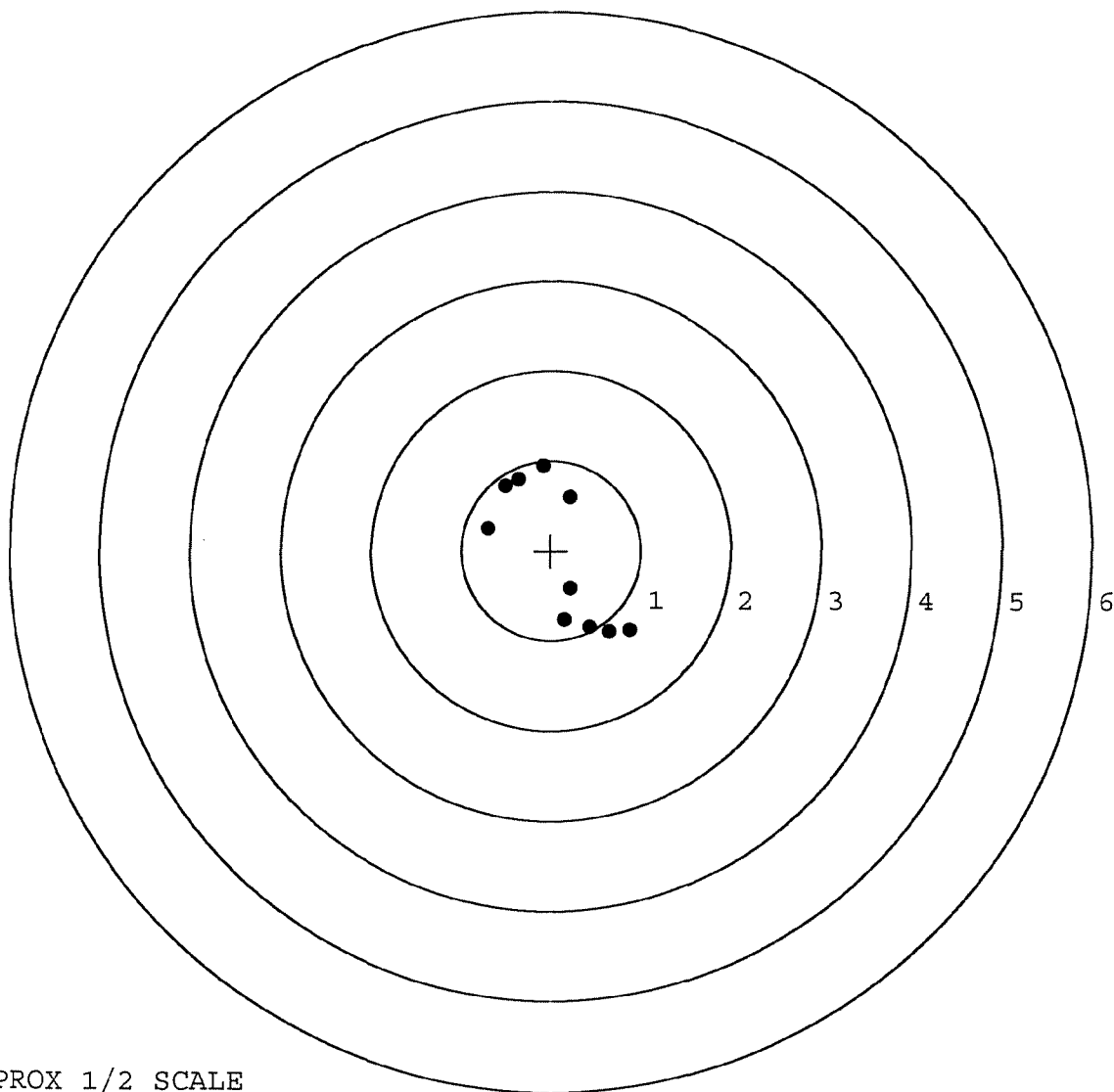
MAX RADIUS: 1.149

MEAN RADIUS: 0.863

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288190. __ 0

TARGET NUMBER: 3

FILE DATE: 03/26/2007

FILE TIME: 22:50

POINT#	X	Y
1:	-0.635	0.289
2:	-0.184	-0.073
3:	0.066	0.283
4:	-0.050	-0.300
5:	0.107	-0.053
6:	0.333	-0.311
7:	0.551	-0.760
8:	0.517	-1.008
9:	-0.830	-0.645
10:	0.298	1.091

X CENTROID: 0.017

Y CENTROID: -0.149

POA TO CENTROID: 0.150

HORZ SPREAD: 1.381

VERT SPREAD: 2.099

GROUP SPREAD: 2.110

MIN RADIUS: 0.131

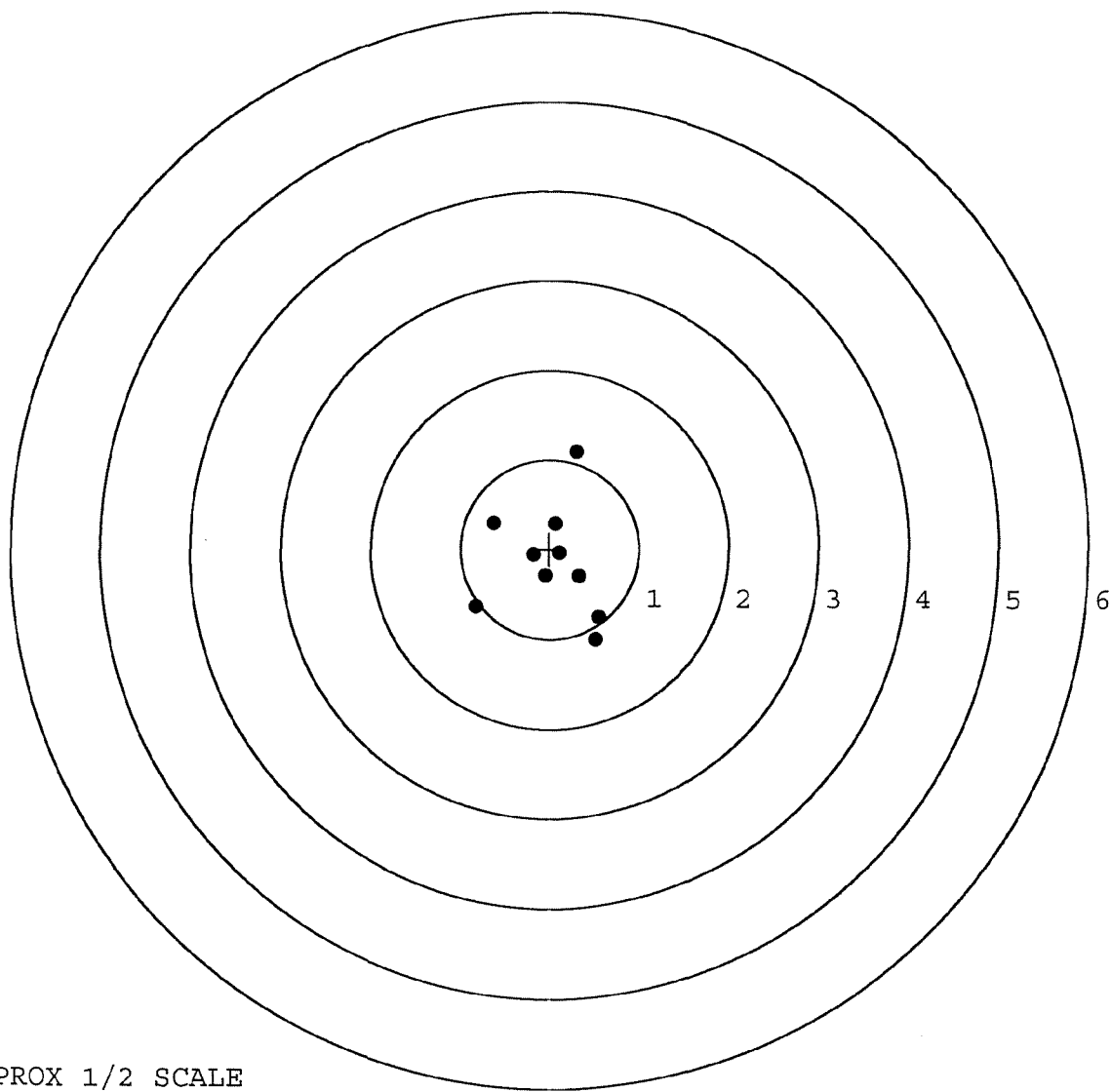
MAX RADIUS: 1.271

MEAN RADIUS: 0.615

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

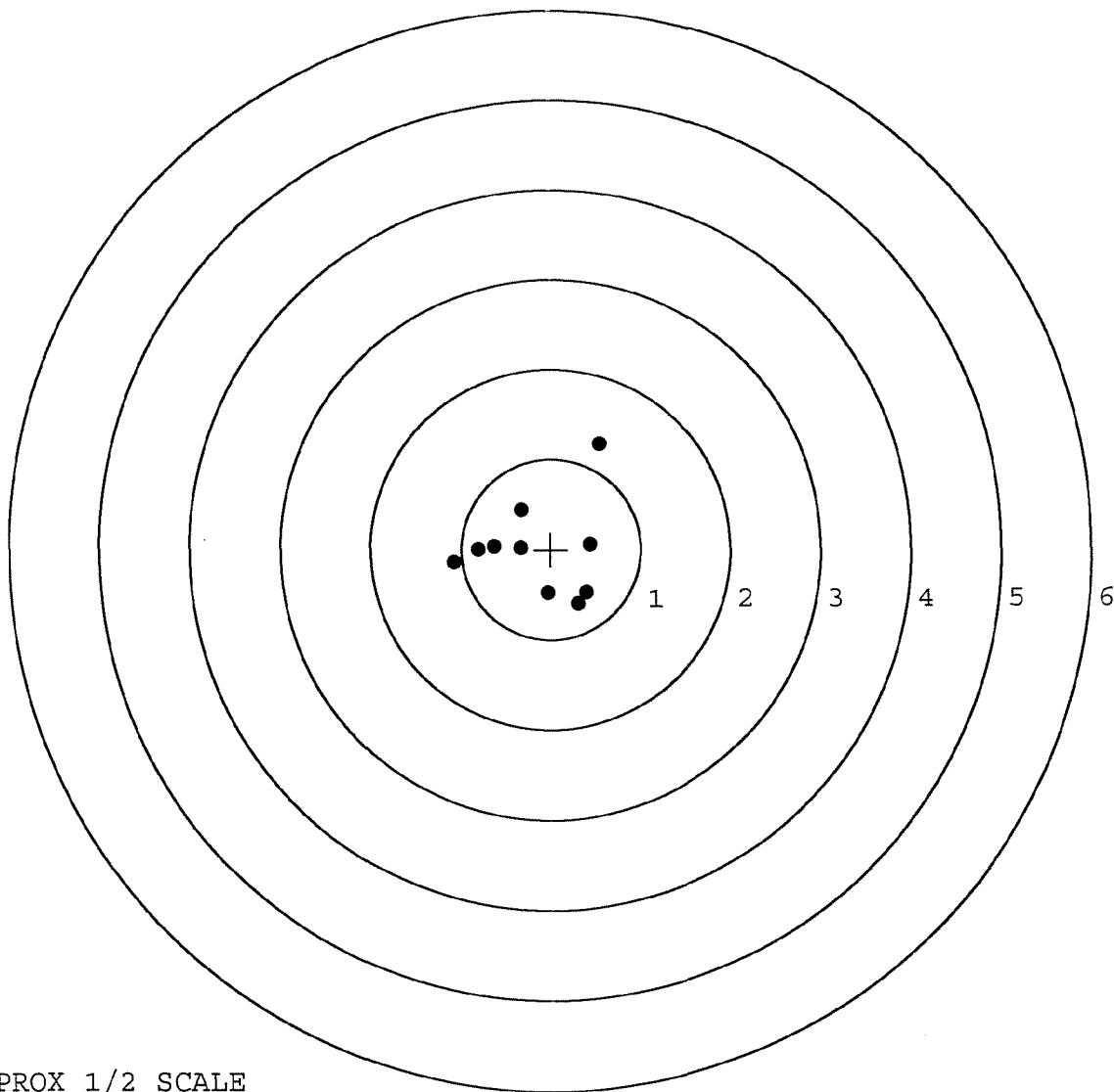


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288190. __0
 TARGET NUMBER: 4
 FILE DATE: 03/26/2007
 FILE TIME: 22:50

POINT#	X	Y
1:	-0.324	0.435
2:	0.552	1.164
3:	0.446	0.060
4:	0.395	-0.485
5:	0.302	-0.609
6:	-0.035	-0.488
7:	-0.331	0.015
8:	-0.631	0.035
9:	-0.815	0.004
10:	-1.085	-0.142

X CENTROID: -0.153
 Y CENTROID: -0.001
 POA TO CENTROID: 0.153
 HORZ SPREAD: 1.637
 VERT SPREAD: 1.773
 GROUP SPREAD: 2.094
 MIN RADIUS: 0.179
 MAX RADIUS: 1.362
 MEAN RADIUS: 0.669
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288190. __0

TARGET NUMBER: 5

FILE DATE: 03/26/2007

FILE TIME: 22:50

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

1:	-0.280	0.435
----	--------	-------

2:	-0.214	-0.207
----	--------	--------

3:	0.028	-0.258
----	-------	--------

4:	0.259	-0.051
----	-------	--------

5:	0.343	0.289
----	-------	-------

6:	0.779	-0.457
----	-------	--------

7:	1.454	0.260
----	-------	-------

8:	-1.304	0.019
----	--------	-------

9:	0.426	-0.115
----	-------	--------

10:	0.725	-0.320
-----	-------	--------

X CENTROID: 0.222

Y CENTROID: -0.040

POA TO CENTROID: 0.225

HORZ SPREAD: 2.758

VERT SPREAD: 0.892

GROUP SPREAD: 2.769

MIN RADIUS: 0.039

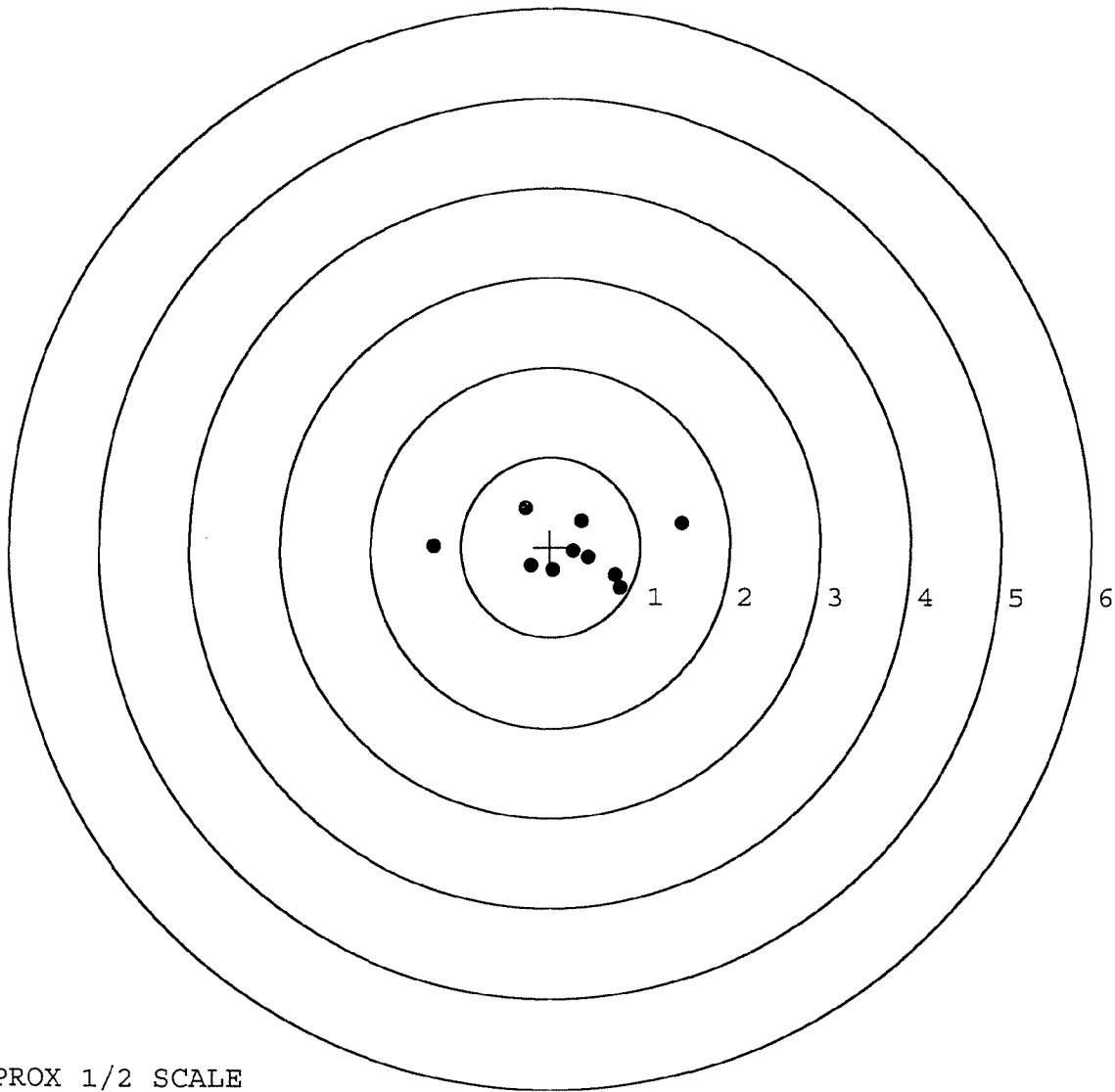
MAX RADIUS: 1.527

MEAN RADIUS: 0.612

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	126309		
SERIAL NUMBER	G6288190		
LOG-IN DATE	3-8-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	3-8-07	RTZ
505	RE-BARREL	3-15-07	RTZ
560	ASSEMBLE	3-15-07	RTZ
600	PROOF	3-15-07	FM
605	CHECK HEADSPACE	INSPECTED	FM
610	DIS-ASSEMBLE GUN	MAR 20 2007	RTZ
612	MAGNAFLUX	OPERATOR <i>unsub</i>	<i>unsub</i>
510	DRILL AND TAP	3-20-07	TRW
615	ROLLMARK CALIBER	3-20-07	CW
618	ROTO-BLAST	3-21-07	UB
620	APPLY COATINGS	3-23-07	RB
625	FINAL ASSEMBLY	3-26-07	RTZ
640	FUNCTION TEST AND	<u>PASS</u> FAIL	3-26-07 <i>mon</i>
650	TARGET	<u>PASS</u> FAIL	3-26-07 <i>mon</i>
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		3-28-07 RTZ
	A) HEADSPACE	<u>PASS</u> FAIL	3-28-07 RTZ
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.48 2.50 2.58 2.58 2.57 3.28-07 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.5 4.5 4.5 3-28-07 DA
	G) SAFETY OFF FORCE	2 LBS MIN	2.2 2.2 2.2 3-28-07 DA
	I) FIRING PIN INDENT	.020	.023 .023 .023 3-28-07 DA
690	PACK		3-28-07 DA

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. **66288190**
 Order No. **25716**

DD **17XX**

Made in U.S.A. Pat. & Mfg. Off. Marce Registrada Marce Deposee.



5716 66288190

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

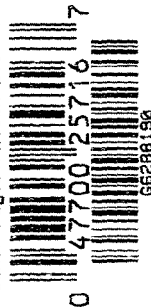
- INSTRUCTION BOOK 3518

DD FORM

proof of purchase



owner registration sticker



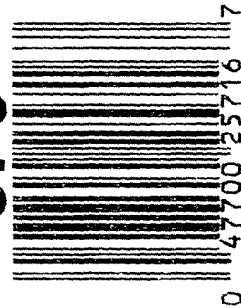
ORDER NO. 25716

BARREL LENGTH 24"

CAPACITY 6

G6288190

UPC



M-24
INSPECTION CHECKLIST-NEW GUNS

GUN SERIAL # G6288190

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		11-12-03	RJL
600	PROOF		11-12-03	Ac
607	CHECK HEADSPACE	MAGNAFLUX INSPECTED	11-12-03	Ac
610	DIS-ASSEMBLE GUN	NOV 13 2003	11-12-03	RJL
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT	OPERATOR <u>BS</u>		
615	ROLLMARK CALIBER		11-13-03	JS
617	DRILL AND TAP SIGHT HOLES		11-13-03	TRLJ
620	APPLY COATINGS (BARREL ACTION)		11/15	RL
	(BOLT)			
625	FINAL ASSEMBLY			
	A) CLEAN INSIDE OF BOLT ASSEMBLY		11/21/03	RW
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		11/21/03	RW
	C) INSPECT EJECTOR HOLE FOR CHAMFER		11/21/03	RW
	D) OIL FIRING PIN ASSEMBLY		11/21/03	RW
	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</u>	<u>7</u>	<u>6.5</u>	<u>12/10/03</u>	<u>RL</u>		
CONT.									
	G) SAFETY OFF FORCE	2 LBS MIN	<u>2.5</u>	<u>2</u>	<u>2</u>	<u>12/10/03</u>	<u>RL</u>		
	H) TRIGGER PULL TEST AND RETAINABILITY								
	I) FIRING PIN INDENT	.020 MIN	<u>.0245</u>	<u>.0235</u>	<u>.024</u>	<u>12/10/03</u>	<u>RL</u>		
	J) ASSEMBLE STOCK					<u>11/21/03</u>	<u>RL</u>		
	K) ASSEMBLE SWIVEL STUDS					<u>12-11-03</u>	<u>RTL</u>		
	L) ATTACH FRONT AND REAR SIGHT ASSY'S					<u>11/21/03</u>	<u>RL</u>		
	M) IRON SIGHT ALIGNMENT					<u>11/21/03</u>	<u>RL</u>		
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER					<u>11/21/03</u>	<u>RL</u>		
640	GALLERY TEST AND TARGET		PASS	FAIL		<u>12-8-03</u>	<u>RL</u>		
	MALFUNCTION		CORRECTION			<u>12-8-03</u>	<u>RL</u>		
	MALFUNCTION		CORRECTION			<u>12-8-03</u>	<u>RL</u>		
	MALFUNCTION		CORRECTION			<u>12-8-03</u>	<u>RL</u>		
	MALFUNCTION		CORRECTION			<u>12-8-03</u>	<u>RL</u>		
645	INSPECT FOR LIVE AMMO					<u>12-8-03</u>	<u>RL</u>		
655	FINAL INSPECTION A) HEADSPACE					<u>12-11-03</u>	<u>RTL</u>		
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<u>2.73</u>	<u>2.57</u>	<u>2.53</u>	<u>2.71</u>	<u>2.73</u>	<u>12/9/03</u>	<u>RL</u>
	C) FUNCTION					<u>12-11-03</u>	<u>RTL</u>		
660	PACK					<u>12/12/03</u>	<u>RL</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 11-20-03

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.34	2.51		2.66	
PULL #2	2.12	2.35		2.80	
PULL #3	2.39	2.55		2.71	
PULL #4	2.49	2.38		2.93	
PULL #5	2.38	2.54		2.91	
TOTAL	11.72	12.33		14.01	
AVERAGE	2.34	2.46		2.80	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.09		
PULL #2	3.32	3.52		
PULL #3	3.41	3.50		
PULL #4	3.39	3.35		
PULL #5	3.29	3.37		
TOTAL	16.71	16.83		
AVERAGE	3.34	3.36		

	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	4.04		4.08
PULL #2	4.37	4.17		3.83
PULL #3	4.26	4.43		4.22
PULL #4	4.31	4.14		3.99
PULL #5	4.23	4.16		3.86
TOTAL	21.33	20.94		19.98
AVERAGE	4.26	4.18		3.99

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6288190.___0

FILE DATE AND TIME: 12/08/2003 11:41

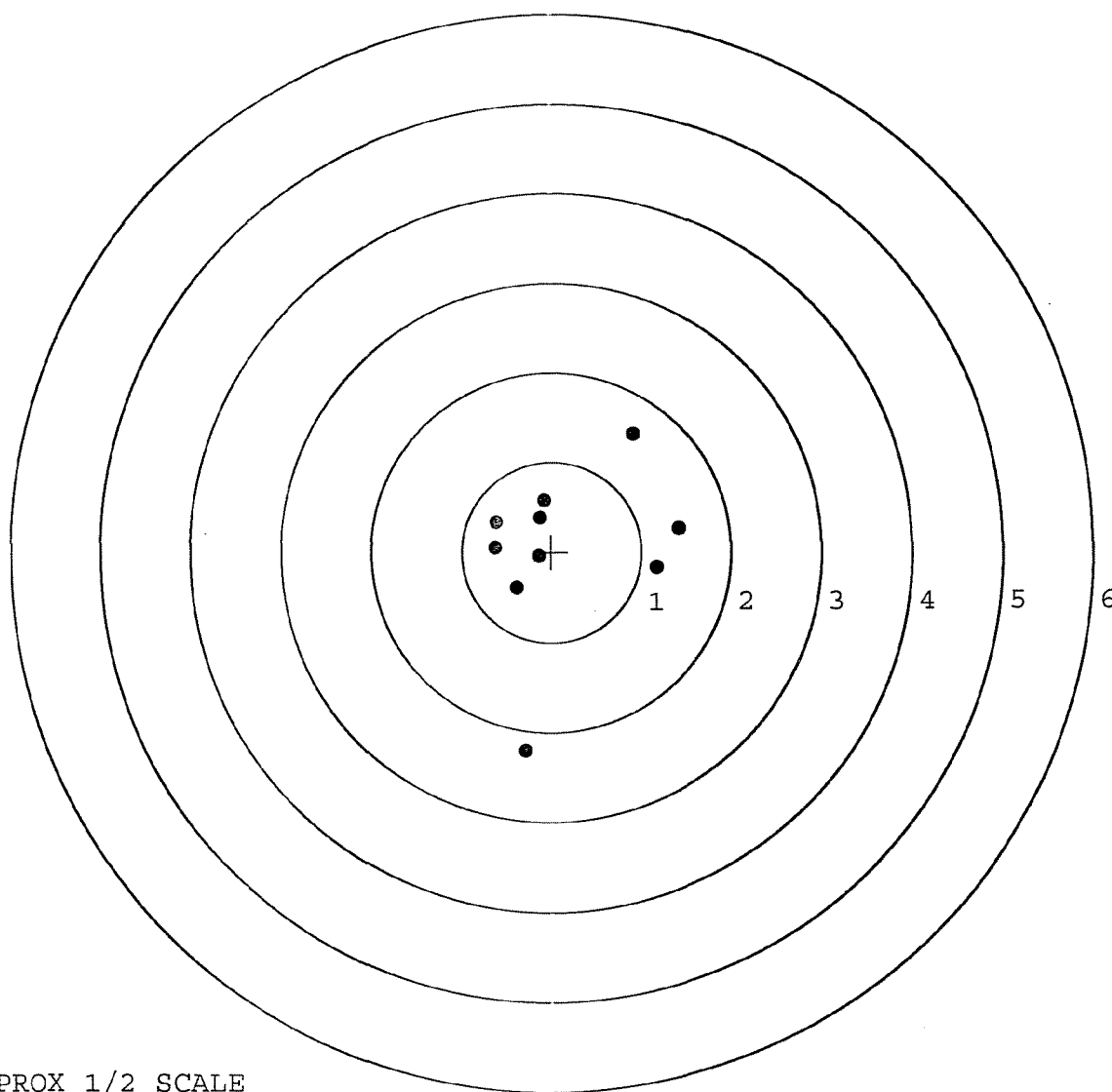
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.020
The Average Y Centroid of the Five Target Set:	0.130
The Average Point of Impact of the Five Target Set:	0.131
The Average Mean Radius of the Five Target Set:	1.124
The Distance from POA to Centroid Target #1:	0.125
The Distance from Centroid Target #2 to Centroid Target #1:	0.427
The Distance from Centroid Target #3 to Centroid Target #1:	0.287
The Distance from Centroid Target #4 to Centroid Target #1:	0.503
The Distance from Centroid Target #5 to Centroid Target #1:	0.346

SERIAL NUMBER: G6288190. __0
TARGET NUMBER: 1
FILE DATE: 12/08/2003
FILE TIME: 11:41

POINT#	X	Y
1:	0.917	1.307
2:	1.422	0.258
3:	1.171	-0.178
4:	-0.288	-2.212
5:	-0.387	-0.398
6:	-0.146	-0.047
7:	-0.079	0.567
8:	-0.121	0.378
9:	-0.610	0.333
10:	-0.633	0.052

X CENTROID: 0.125
Y CENTROID: 0.006
POA TO CENTROID: 0.125
HORZ SPREAD: 2.055
VERT SPREAD: 3.519
GROUP SPREAD: 3.720
MIN RADIUS: 0.276
MAX RADIUS: 2.256
MEAN RADIUS: 0.970
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

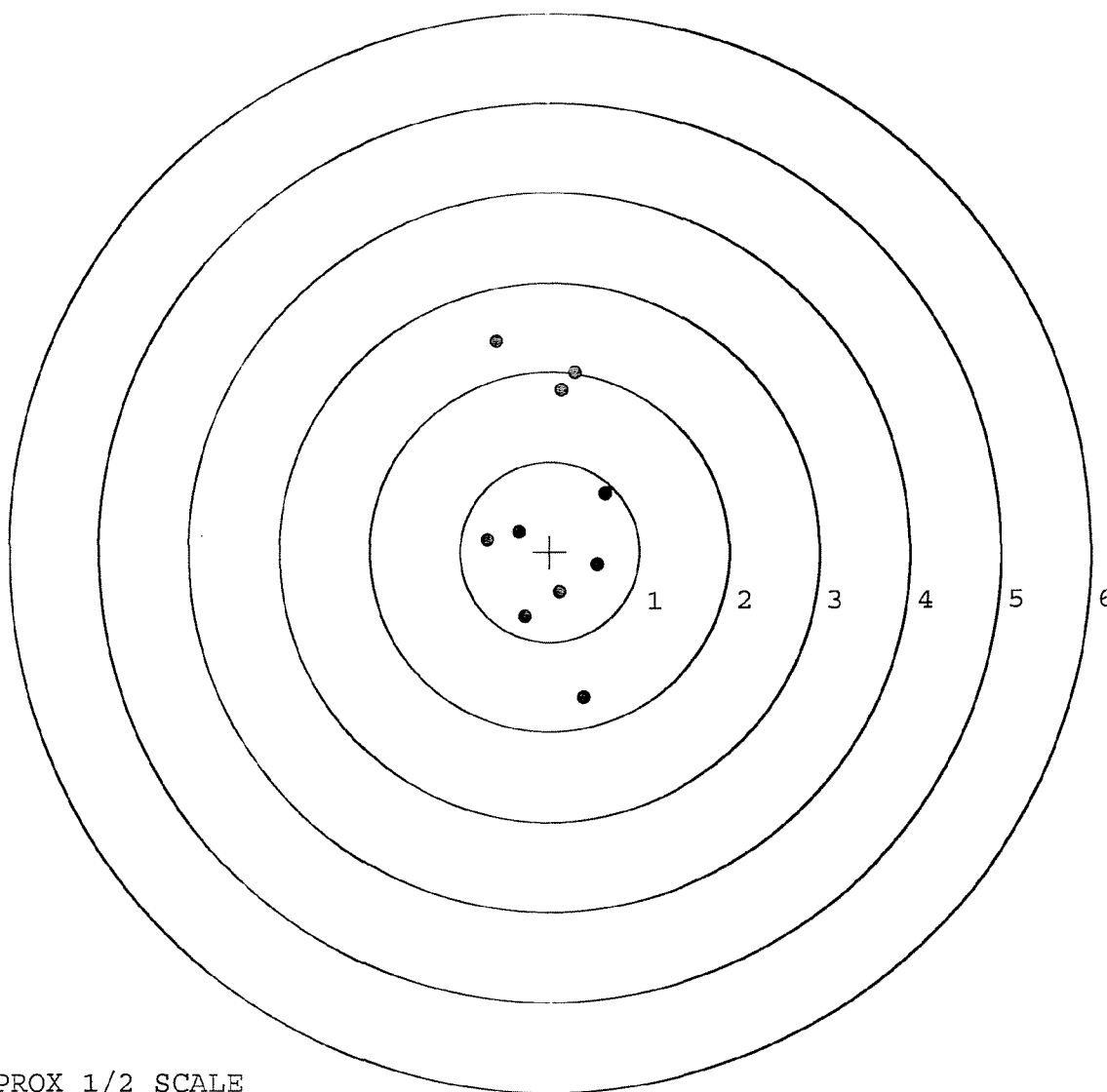


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288190. __0
TARGET NUMBER: 2
FILE DATE: 12/08/2003
FILE TIME: 11:41

X CENTROID: 0.018
Y CENTROID: 0.419
POA TO CENTROID: 0.420
HORZ SPREAD: 1.312
VERT SPREAD: 3.972
GROUP SPREAD: 4.087
MIN RADIUS: 0.407
MAX RADIUS: 2.077
MEAN RADIUS: 1.171
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.621	0.643
2:	0.530	-0.149
3:	0.112	-0.450
4:	-0.274	-0.723
5:	0.377	-1.627
6:	-0.691	0.140
7:	-0.340	0.226
8:	0.293	1.990
9:	0.142	1.798
10:	-0.586	2.345

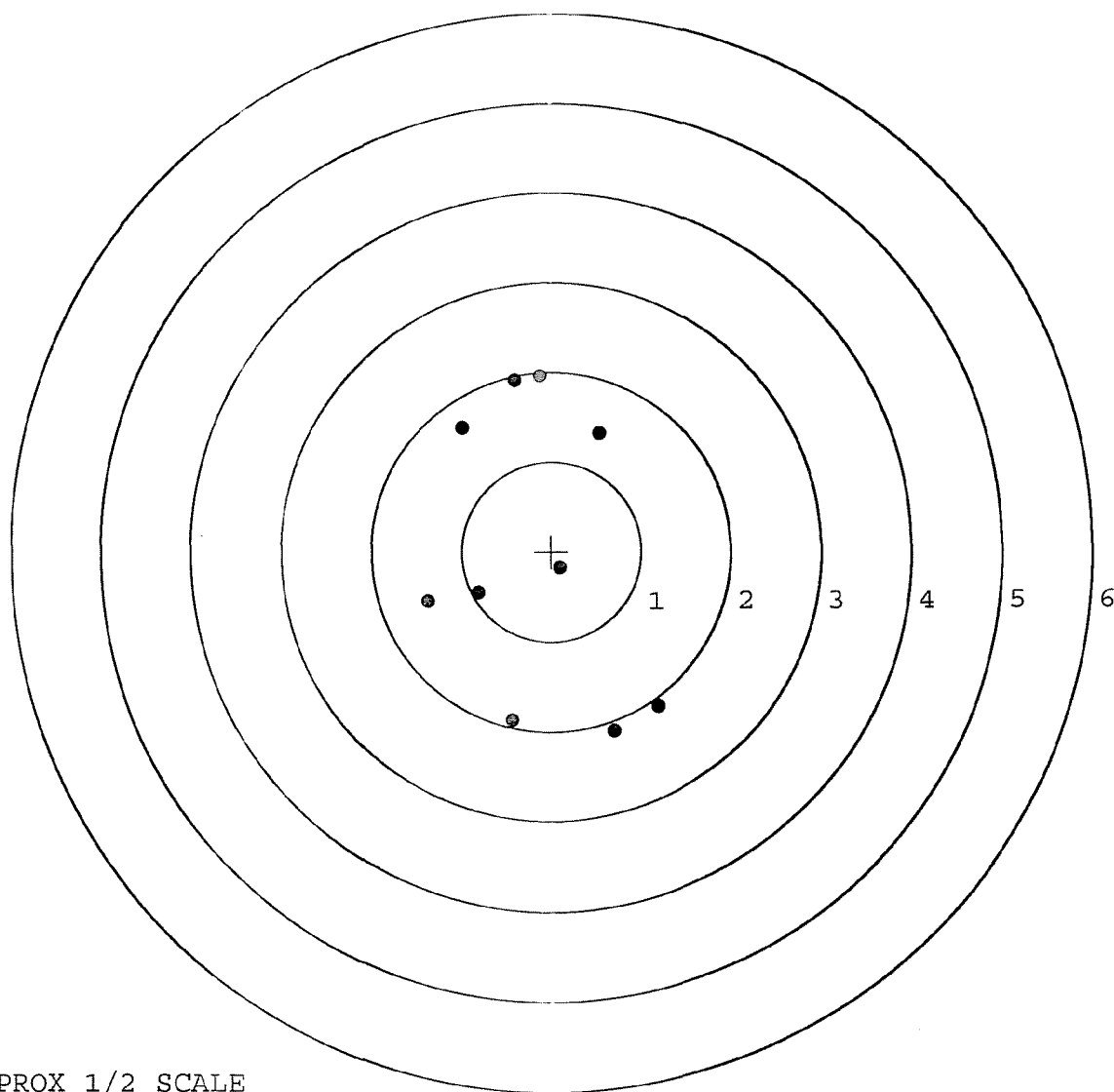


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288190. __0
TARGET NUMBER: 3
FILE DATE: 12/08/2003
FILE TIME: 11:41

POINT#	X	Y
1:	-0.402	1.908
2:	-0.121	1.957
3:	0.545	1.317
4:	-0.988	1.381
5:	-1.379	-0.547
6:	-0.816	-0.455
7:	0.099	-0.184
8:	-0.438	-1.877
9:	0.702	-1.996
10:	1.187	-1.725

X CENTROID: -0.161
Y CENTROID: -0.022
POA TO CENTROID: 0.163
HORZ SPREAD: 2.566
VERT SPREAD: 3.953
GROUP SPREAD: 3.965
MIN RADIUS: 0.306
MAX RADIUS: 2.172
MEAN RADIUS: 1.569
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 2
in 3 IN DIAMETER: 3

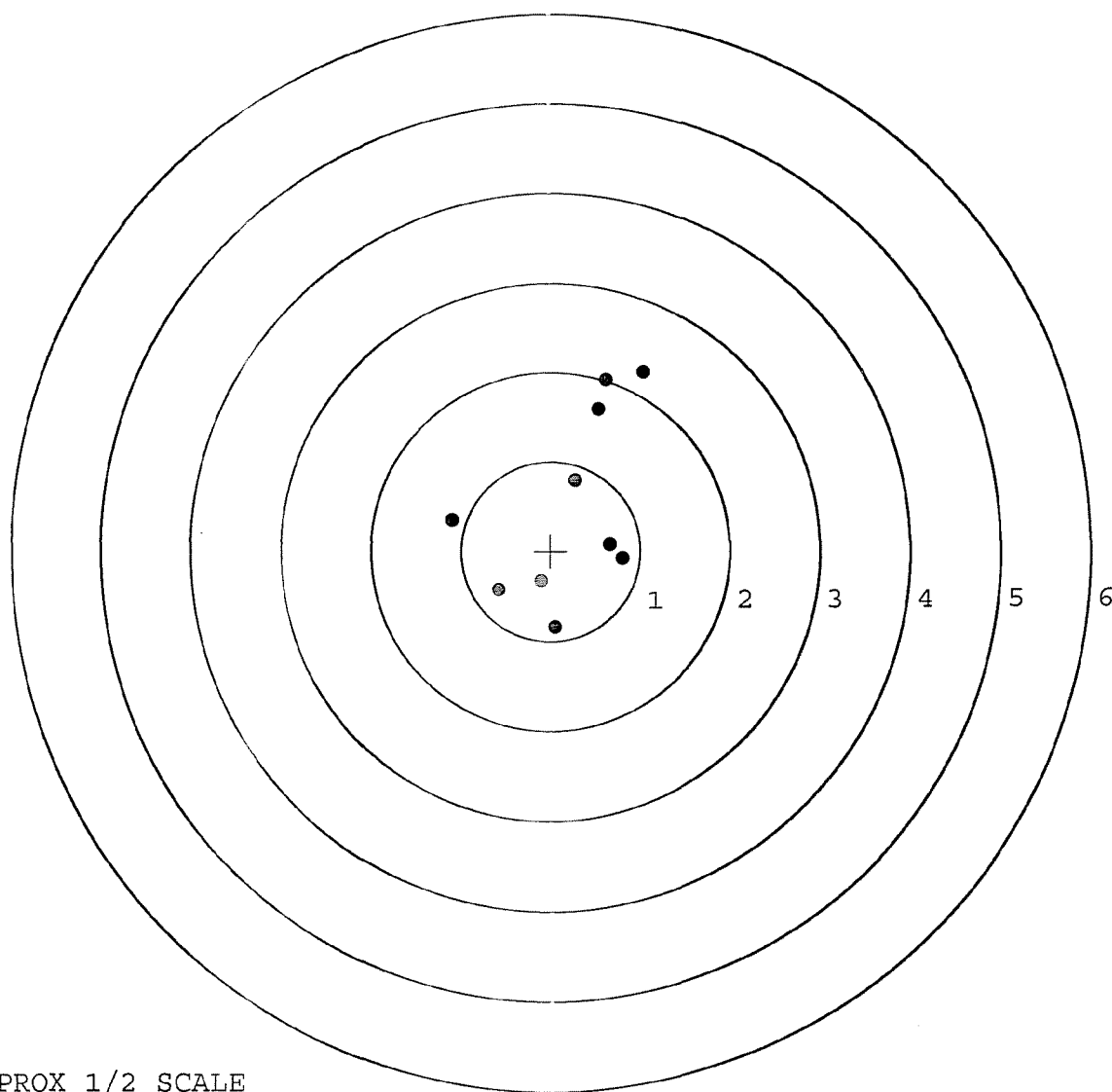


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288190. __0
TARGET NUMBER: 4
FILE DATE: 12/08/2003
FILE TIME: 11:41

POINT#	X	Y
1:	1.046	1.994
2:	0.628	1.909
3:	0.542	1.583
4:	0.284	0.787
5:	0.666	0.068
6:	0.806	-0.093
7:	-0.112	-0.334
8:	0.050	-0.847
9:	-0.586	-0.427
10:	-1.094	0.352

X CENTROID: 0.223
Y CENTROID: 0.499
POA TO CENTROID: 0.547
HORZ SPREAD: 2.140
VERT SPREAD: 2.841
GROUP SPREAD: 3.011
MIN RADIUS: 0.294
MAX RADIUS: 1.706
MEAN RADIUS: 1.086
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 9

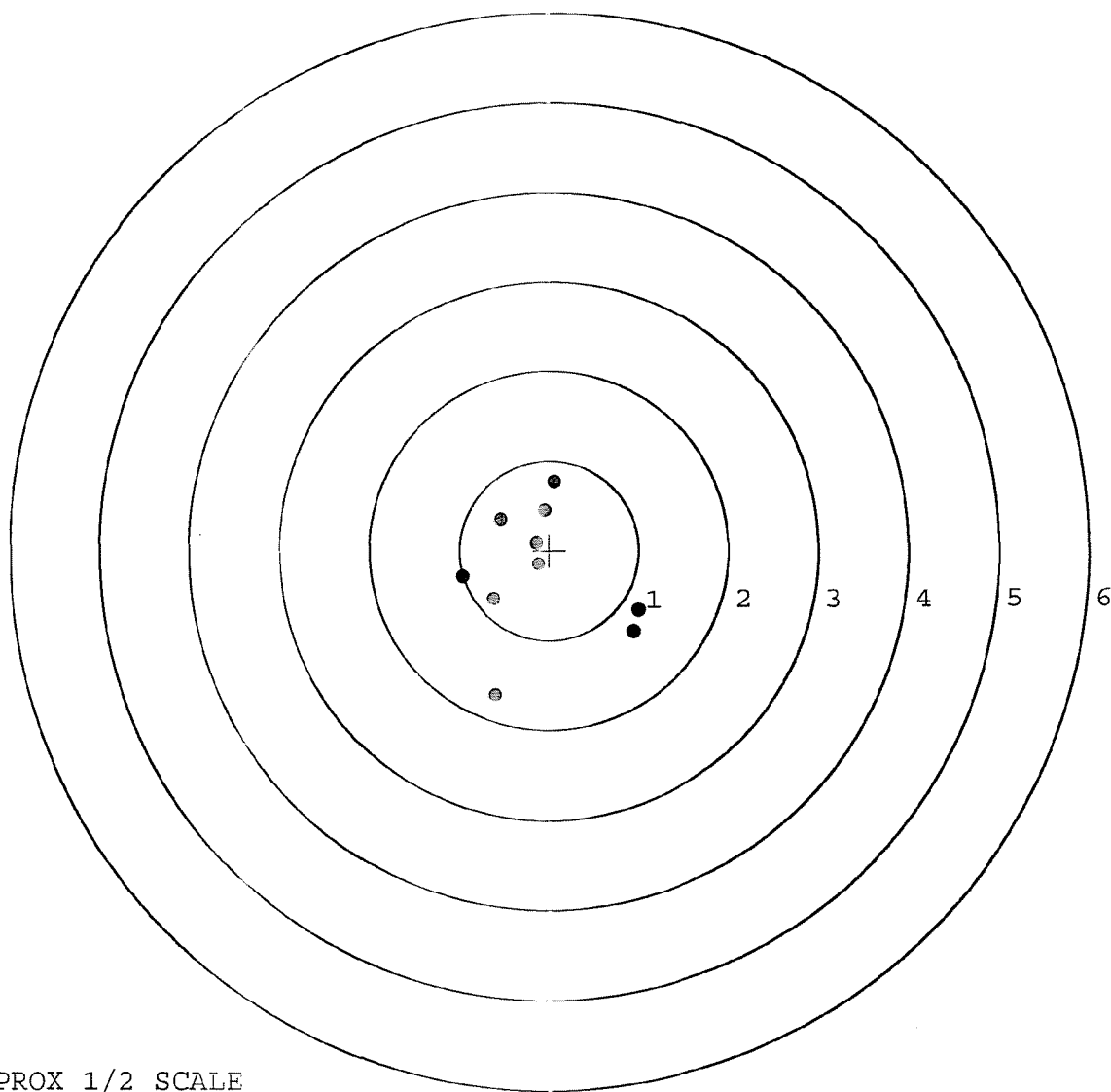


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6288190. __0
TARGET NUMBER: 5
FILE DATE: 12/08/2003
FILE TIME: 11:41

POINT#	X	Y
1:	0.056	0.772
2:	-0.052	0.452
3:	-0.534	0.353
4:	-0.971	-0.287
5:	-0.625	-0.541
6:	-0.121	-0.160
7:	-0.604	-1.617
8:	0.941	-0.912
9:	1.000	-0.672
10:	-0.145	0.085

X CENTROID: -0.105
Y CENTROID: -0.253
POA TO CENTROID: 0.273
HORZ SPREAD: 1.971
VERT SPREAD: 2.389
GROUP SPREAD: 2.481
MIN RADIUS: 0.094
MAX RADIUS: 1.453
MEAN RADIUS: 0.825
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE