

G6300576

# 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: RE00113212

Serial: G6300576 Model M24 SWS Center Fire  
Caliber: 7.62 NATO Produced: 12/09/2003

Repairman:

Verify Repair

Status:

Closed 6/5/2006 1:21:36 PM

### 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

nagletj

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: **G6300576**  
Model: **M24 SWS**  
  
**RE00113212**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6300576.\_\_1  
FILE DATE AND TIME: 07/21/2006 08:30

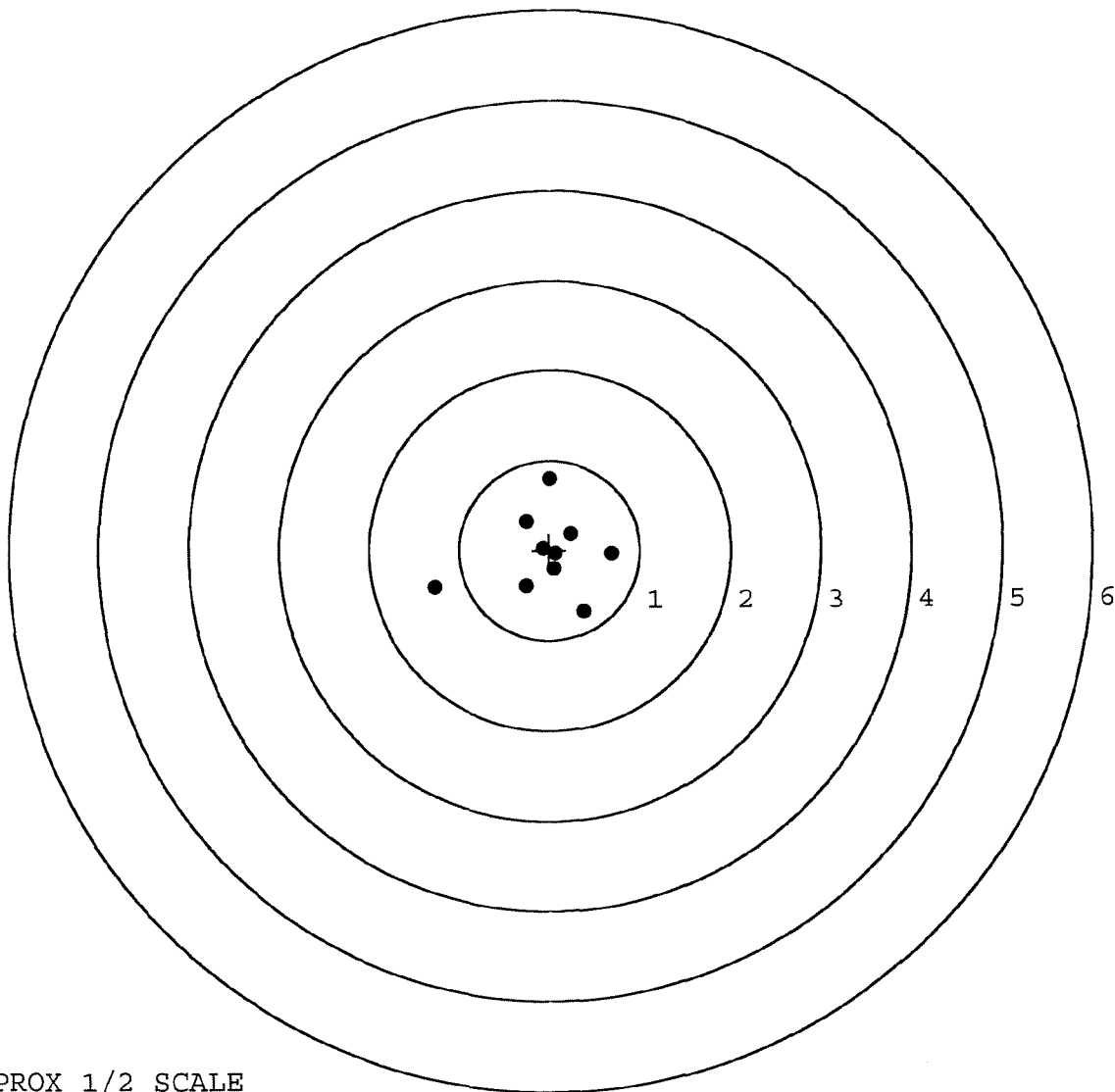
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.068 |
| The Average Y Centroid of the Five Target Set:              | 0.016  |
| The Average Point of Impact of the Five Target Set:         | 0.070  |
| The Average Mean Radius of the Five Target Set:             | 0.696  |
| The Distance from POA to Centroid Target #1:                | 0.062  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.111  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.308  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.136  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.141  |

SERIAL NUMBER: G6300576. \_\_1  
TARGET NUMBER: 1  
FILE DATE: 07/21/2006  
FILE TIME: 08:30

X CENTROID: -0.041  
Y CENTROID: -0.047  
POA TO CENTROID: 0.062  
HORZ SPREAD: 1.958  
VERT SPREAD: 1.480  
GROUP SPREAD: 1.995  
MIN RADIUS: 0.078  
MAX RADIUS: 1.283  
MEAN RADIUS: 0.521  
# IN 1 IN DIAMETER: 6  
# IN 2 IN DIAMETER: 9  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.381  | -0.685 |
| 2:     | 0.690  | -0.039 |
| 3:     | 0.004  | 0.795  |
| 4:     | -1.268 | -0.419 |
| 5:     | -0.254 | 0.324  |
| 6:     | -0.257 | -0.406 |
| 7:     | 0.056  | -0.213 |
| 8:     | 0.242  | 0.183  |
| 9:     | -0.068 | 0.026  |
| 10:    | 0.069  | -0.040 |

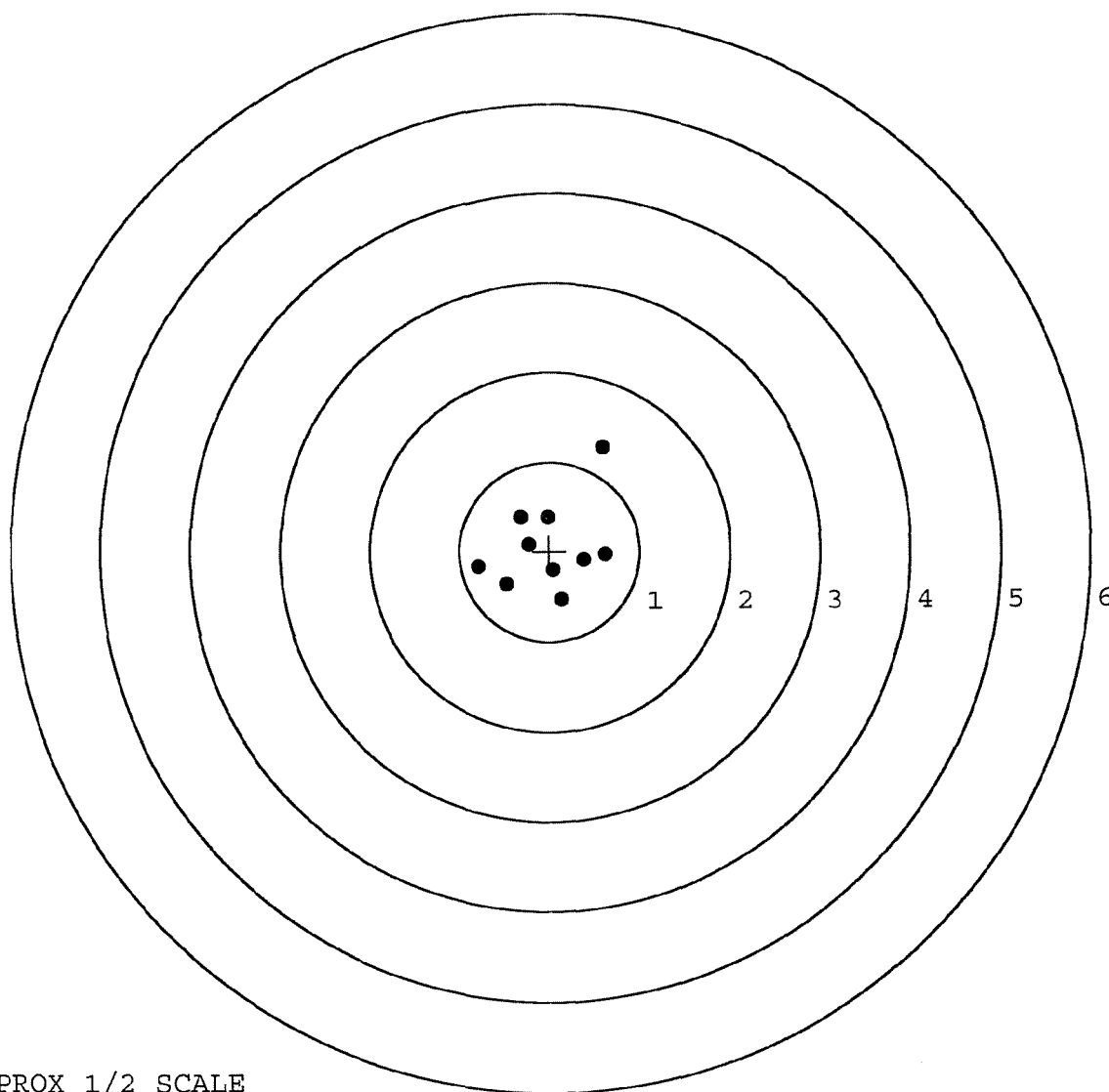


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300576. \_\_1  
TARGET NUMBER: 2  
FILE DATE: 07/21/2006  
FILE TIME: 08:30

X CENTROID: -0.006  
Y CENTROID: 0.058  
POA TO CENTROID: 0.058  
HORZ SPREAD: 1.415  
VERT SPREAD: 1.703  
GROUP SPREAD: 1.921  
MIN RADIUS: 0.224  
MAX RADIUS: 1.256  
MEAN RADIUS: 0.565  
# IN 1 IN DIAMETER: 5  
# IN 2 IN DIAMETER: 9  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.594  | 1.162  |
| 2:     | 0.134  | -0.541 |
| 3:     | 0.046  | -0.210 |
| 4:     | 0.382  | -0.095 |
| 5:     | 0.624  | -0.035 |
| 6:     | -0.022 | 0.382  |
| 7:     | -0.323 | 0.382  |
| 8:     | -0.229 | 0.075  |
| 9:     | -0.474 | -0.369 |
| 10:    | -0.791 | -0.169 |

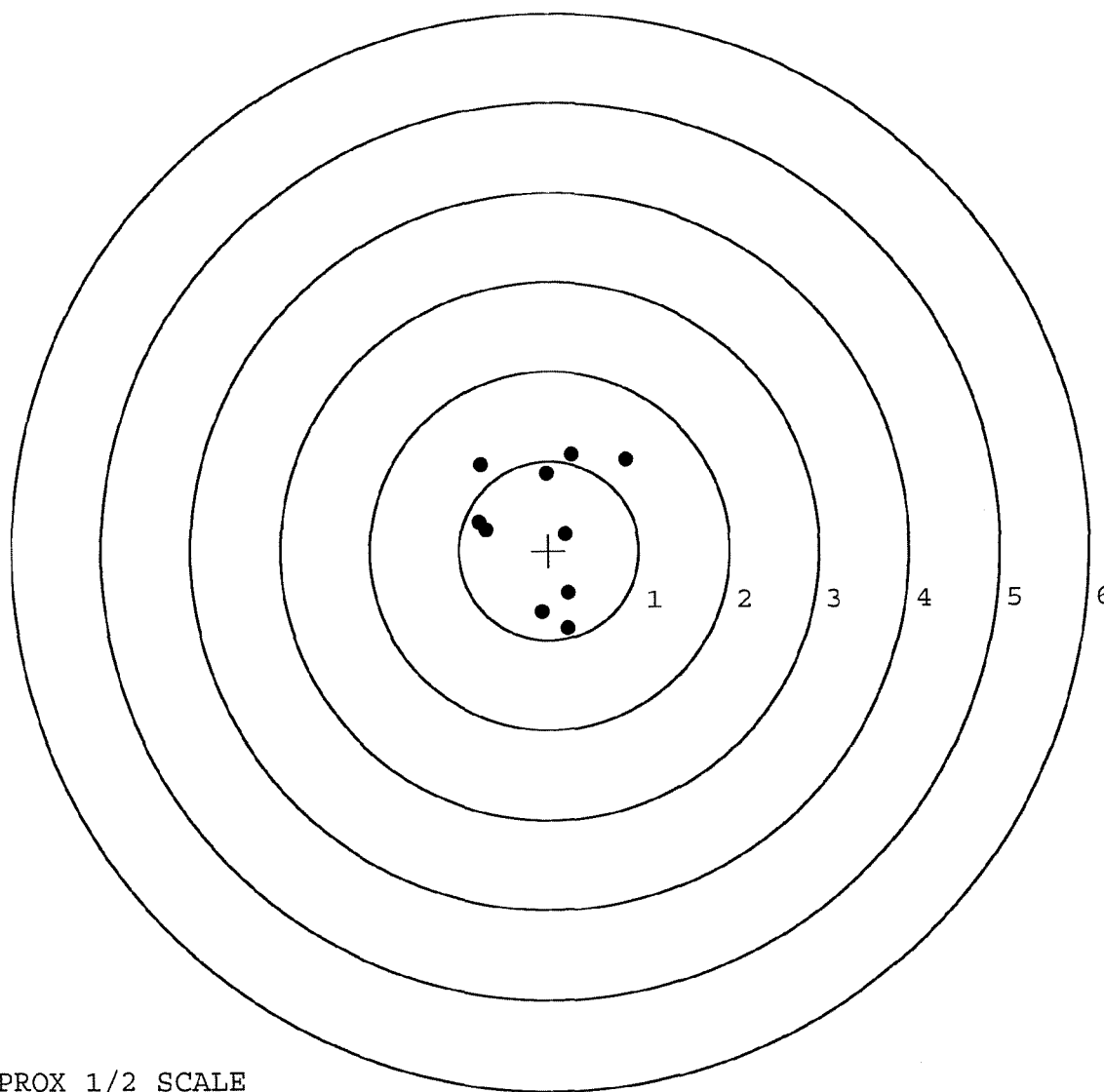


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300576. \_\_1  
TARGET NUMBER: 3  
FILE DATE: 07/21/2006  
FILE TIME: 08:30

X CENTROID: -0.064  
Y CENTROID: 0.260  
POA TO CENTROID: 0.268  
HORZ SPREAD: 1.640  
VERT SPREAD: 1.950  
GROUP SPREAD: 2.002  
MIN RADIUS: 0.264  
MAX RADIUS: 1.189  
MEAN RADIUS: 0.819  
# IN 1 IN DIAMETER: 1  
# IN 2 IN DIAMETER: 8  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.855  | 1.015  |
| 2:     | 0.259  | 1.070  |
| 3:     | -0.033 | 0.860  |
| 4:     | -0.754 | 0.965  |
| 5:     | -0.785 | 0.326  |
| 6:     | -0.705 | 0.234  |
| 7:     | 0.188  | 0.182  |
| 8:     | 0.208  | -0.880 |
| 9:     | 0.214  | -0.479 |
| 10:    | -0.084 | -0.693 |

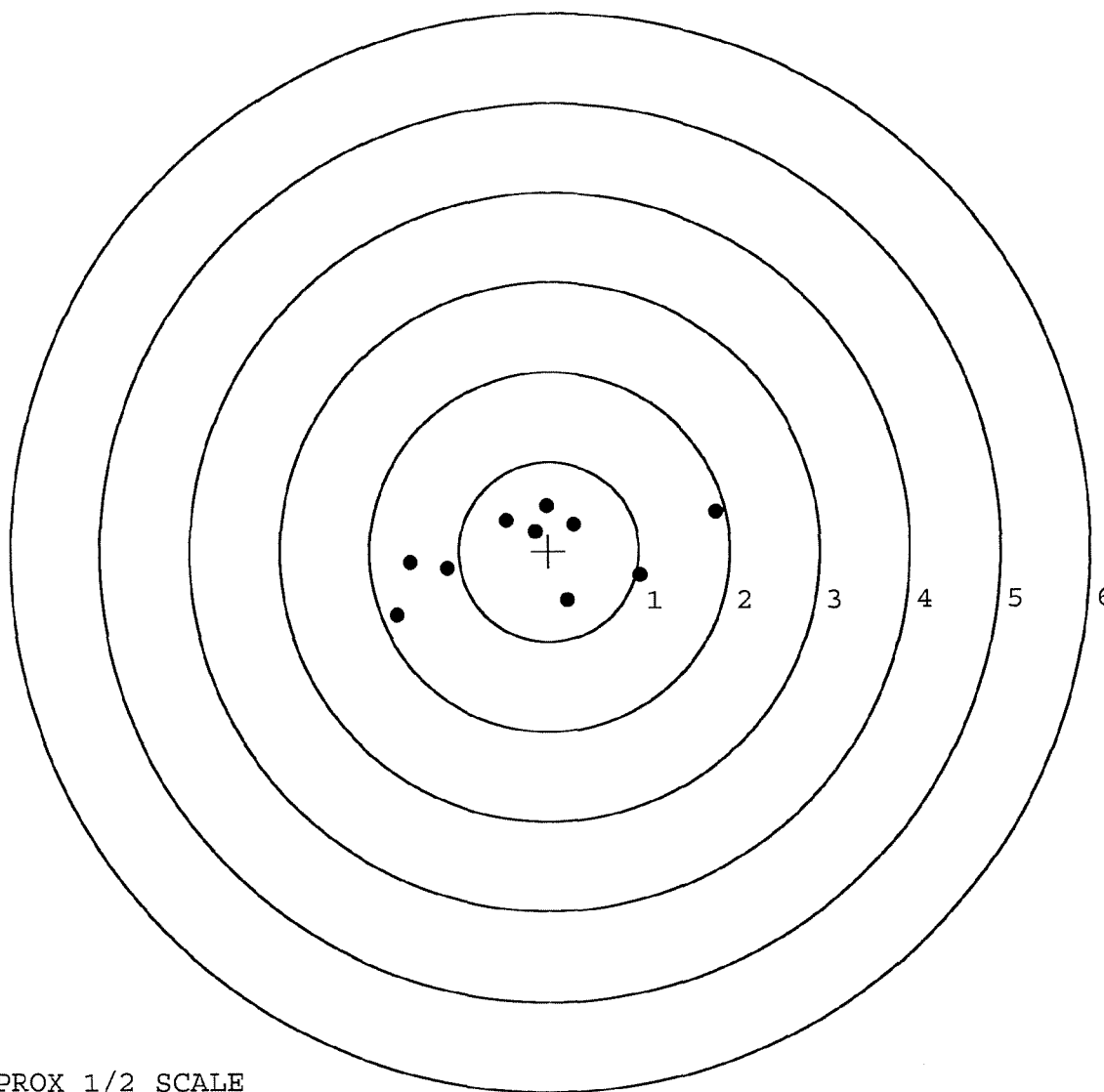


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300576. \_\_1  
TARGET NUMBER: 4  
FILE DATE: 07/21/2006  
FILE TIME: 08:30

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.841  | 0.437  |
| 2:     | 1.012  | -0.274 |
| 3:     | 0.209  | -0.549 |
| 4:     | 0.280  | 0.300  |
| 5:     | -0.029 | 0.504  |
| 6:     | -0.159 | 0.220  |
| 7:     | -0.479 | 0.342  |
| 8:     | -1.133 | -0.198 |
| 9:     | -1.544 | -0.127 |
| 10:    | -1.697 | -0.707 |

X CENTROID: -0.170  
Y CENTROID: -0.005  
POA TO CENTROID: 0.170  
HORZ SPREAD: 3.538  
VERT SPREAD: 1.211  
GROUP SPREAD: 3.718  
MIN RADIUS: 0.225  
MAX RADIUS: 2.059  
MEAN RADIUS: 0.974  
# IN 1 IN DIAMETER: 2  
# IN 2 IN DIAMETER: 6  
# in 3 IN DIAMETER: 8

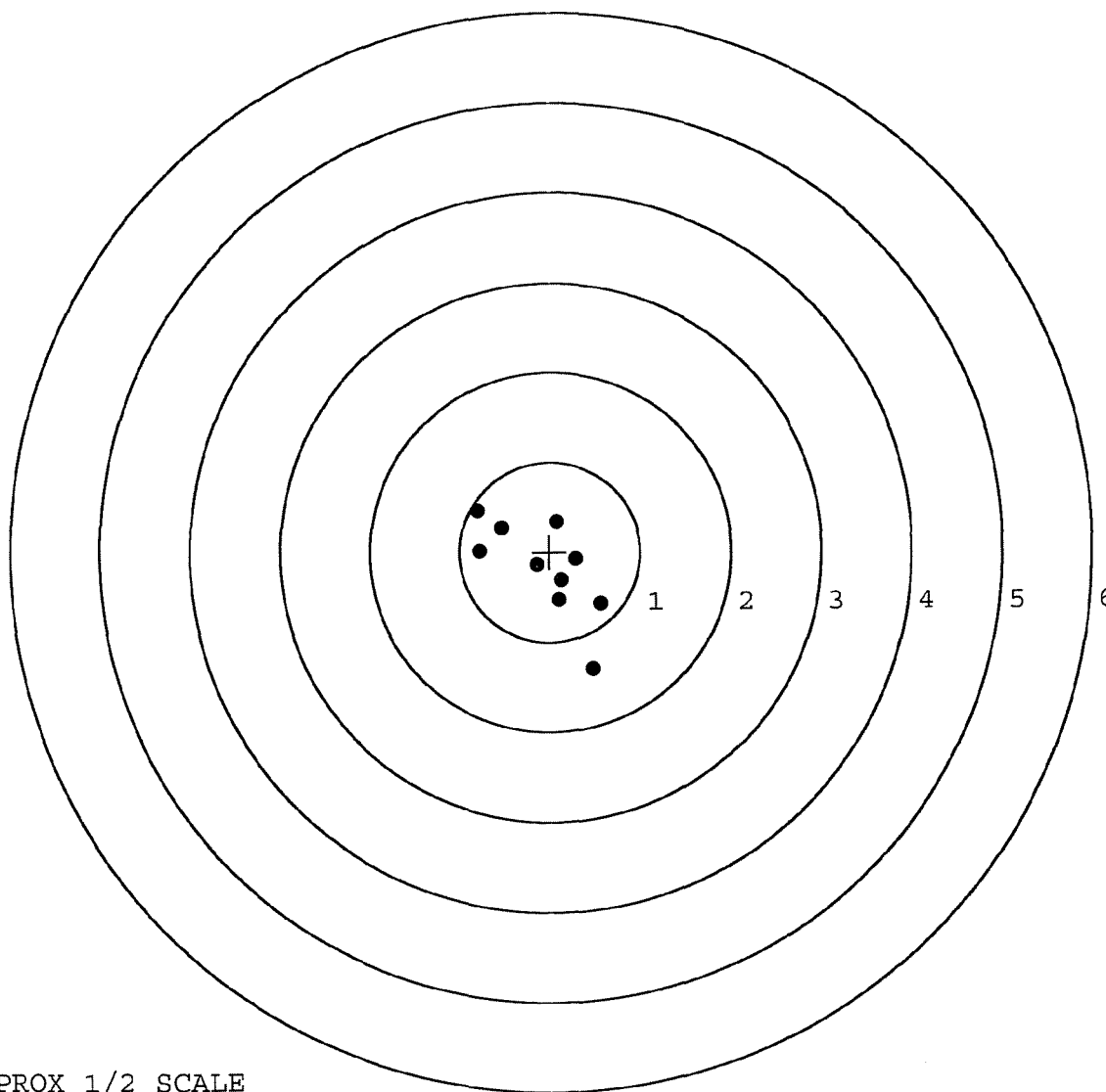


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300576. \_\_1  
TARGET NUMBER: 5  
FILE DATE: 07/21/2006  
FILE TIME: 08:30

X CENTROID: -0.061  
Y CENTROID: -0.187  
POA TO CENTROID: 0.197  
HORZ SPREAD: 1.368  
VERT SPREAD: 1.768  
GROUP SPREAD: 2.188  
MIN RADIUS: 0.092  
MAX RADIUS: 1.242  
MEAN RADIUS: 0.599  
# IN 1 IN DIAMETER: 4  
# IN 2 IN DIAMETER: 9  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.484  | -1.303 |
| 2:     | 0.563  | -0.575 |
| 3:     | 0.106  | -0.536 |
| 4:     | 0.293  | -0.086 |
| 5:     | -0.142 | -0.144 |
| 6:     | 0.077  | 0.335  |
| 7:     | -0.778 | 0.017  |
| 8:     | -0.537 | 0.270  |
| 9:     | -0.805 | 0.465  |
| 10:    | 0.133  | -0.314 |



TARGET APPROX 1/2 SCALE

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

|               |                      |                                           |                          |         |     |
|---------------|----------------------|-------------------------------------------|--------------------------|---------|-----|
| R & E NUMBER  | 113212               |                                           | National Guard           |         |     |
| SERIAL NUMBER | G6300576             |                                           |                          |         |     |
| LOG-IN DATE   | 6-5-06               |                                           |                          |         |     |
| OPERATION #   | OPERATION NAME       |                                           | DATE                     | INITIAL |     |
| 500           | DIS-ASSEMBLE GUN     |                                           | 6-27-06                  | AC      |     |
| 505           | RE-BARREL            |                                           | 6-28-06                  | AC      |     |
| 560           | ASSEMBLE             |                                           | 6-30-06                  | AC      |     |
| 600           | PROOF                | MAGNA-FLUX INSPECTED                      | 7-5-06                   | mm      |     |
| 605           | CHECK HEADSPACE      |                                           | 7-5-06                   | mm      |     |
| 610           | DIS-ASSEMBLE GUN     | JUL 06 2006                               | 7-5-06                   | AC      |     |
| 612           | MAGNAFLUX            | OPERATOR mm                               | 7/6/06                   | mm      |     |
| 510           | DRILL AND TAP        |                                           | 7-6-06                   | TRW     |     |
| 615           | ROLLMARK CALIBER     |                                           | 7-7-06                   | CEW     |     |
| 618           | ROTO-BLAST           |                                           | 7-7-06                   | CB      |     |
| 620           | APPLY COATINGS       |                                           | 7/7                      | HP      |     |
| 625           | FINAL ASSEMBLY       |                                           | 7-20-06                  | S.P.D.  |     |
| 640           | FUNCTION TEST AND    | PASS FAIL                                 | 7-21-06                  | TRW     |     |
| 650           | TARGET               | PASS FAIL                                 | 7-21-06                  | TRW     |     |
|               | MALFUNCTION OH       | CORRECTION OK                             | 7-24-06                  | TRW     |     |
|               | MALFUNCTION          | CORRECTION                                |                          |         |     |
|               | MALFUNCTION          | CORRECTION N/A                            |                          |         |     |
|               | MALFUNCTION          | CORRECTION                                |                          |         |     |
| 670           | FINAL INSPECTION     |                                           | 7-21-06                  | DB      |     |
|               | A) HEADSPACE         | PASS FAIL                                 | 8-2-06                   | RTL     |     |
|               | B) TRIGGER PULL      | +/- .5 LBS<br>MIN 2.50 LBS<br>MAX 4.0 LBS | 2.49 2.50 2.40 2.50 2.23 | 8-2-06  | DBA |
| 680           | F) SAFETY ON FORCE   | 2 LBS MIN<br>10 LBS MAX                   | 7.6 7.5 7.5              | 8-2-06  | DBA |
|               | G) SAFETY OFF FORCE  | 2 LBS<br>MIN                              | 4.0 4.0 4.5              | 8-2-06  | DBA |
|               | I) FIRING PIN INDENT | .020                                      | 1021 021 1021            | 8-2-06  | DBA |
| 690           | PACK                 |                                           | 8-2-06                   | DBA     |     |

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. **66300576**  
Order No. **25716**

DD

Made in Union, N.Y. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Déposée.

**09XX**

5716 66300576

**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

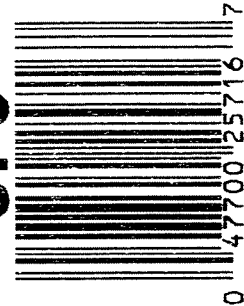
**24"**

CAPACITY

**6**

**G6300576**

**UPC**



M-24  
INSPECTION CHECKLIST-NEW GUNS

GUN SERIAL # G6300576

| OP #      | OPERATION NAME                                                                                                                         | READINGS                                         | DATE     | INITIAL |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------|---------|
| 575 & 580 | ASSEMBLE ACTION AND STOCK                                                                                                              |                                                  | 11-6-03  | RTL     |
| 600       | PROOF                                                                                                                                  |                                                  | 11-6-03  | RTL     |
| 607       | CHECK HEADSPACE                                                                                                                        |                                                  | 11-6-03  | RTL     |
| 610       | DIS-ASSEMBLE GUN                                                                                                                       |                                                  | 11-7-03  | RTL     |
| 612       | MAGNAFLUX BBL ACTION<br>MAGNAFLUX BOLT                                                                                                 | INSPECTED<br>NOT 11/7/2003<br>OPERATOR <u>BS</u> | 11-7-03  |         |
| 615       | ROLLMARK CALIBER                                                                                                                       |                                                  | 11-10-03 | AB      |
| 617       | DRILL AND TAP<br>SIGHT HOLES                                                                                                           |                                                  | 11-7-03  | TRW     |
| 620       | APPLY COATINGS<br>(BARREL ACTION)                                                                                                      |                                                  |          |         |
|           | (BOLT)                                                                                                                                 |                                                  |          |         |
| 625       | FINAL ASSEMBLY                                                                                                                         |                                                  |          |         |
|           | A) CLEAN INSIDE OF<br>BOLT ASSEMBLY                                                                                                    |                                                  | 11-17-03 | PW      |
|           | B) INSPECT REAR FIRING<br>PIN HOLE FOR CHAMFER<br>IN BOLT HEAD                                                                         |                                                  | 11-17-03 | PW      |
|           | C) INSPECT EJECTOR<br>HOLE FOR CHAMFER                                                                                                 |                                                  | 11-17-03 | PW      |
|           | D) OIL FIRING PIN ASSEMBLY                                                                                                             |                                                  | 11-17-03 | PW      |
|           | E) ADJUST TRIGGER PULL<br>TO MIN. SETTING AND<br>STAKE <span style="border: 1px solid black; padding: 2px;">2.50 LBS +/- .5 LBS</span> |                                                  |          |         |

| OP #  | OPERATION NAME                                                           | READINGS                                                       | DATE     | INITIAL |
|-------|--------------------------------------------------------------------------|----------------------------------------------------------------|----------|---------|
| 625   | F) SAFETY ON FORCE <span>2 LBS MIN<br/>10 LBS MAX</span>                 | <u>7<sup>0</sup></u> <u>7<sup>0</sup></u> <u>7<sup>0</sup></u> | 2-8-03   | RTL     |
| CONT. | G) SAFETY OFF FORCE <span>2 LBS MIN</span>                               | <u>4<sup>0</sup></u> <u>4<sup>0</sup></u> <u>4<sup>0</sup></u> | 2-8-03   | RTL     |
|       | H) TRIGGER PULL TEST<br>AND RETAINABILITY                                |                                                                |          |         |
|       | I) FIRING PIN INDENT <span>.020 MIN</span>                               | <u>.021</u> <u>.022</u> <u>.021</u>                            | 12-8-03  | RTL     |
|       | J) ASSEMBLE STOCK                                                        |                                                                | 11-17-03 | RW      |
|       | K) ASSEMBLE SWIVEL<br>STUDS                                              |                                                                | 12-8-03  | RTL     |
|       | L) ATTACH FRONT AND<br>REAR SIGHT ASSY'S                                 |                                                                | 11/17/03 | RW      |
|       | M) IRON SIGHT<br>ALIGNMENT                                               |                                                                | 11/17/03 | RW      |
|       | N) DETACH FRONT AND<br>REAR SIGHTS AND PLACE<br>IN NUMBERED CONTAINER    |                                                                | 11/17/03 | RW      |
| 640   | GALLERY TEST AND<br>TARGET                                               | PASS FAIL                                                      | 12-4-03  | A       |
|       | MALFUNCTION                                                              | CORRECTION                                                     | 12-4-03  | A       |
|       | MALFUNCTION                                                              | CORRECTION                                                     | 12-4-03  | A       |
|       | MALFUNCTION                                                              | CORRECTION                                                     | 12-4-03  | A       |
|       | MALFUNCTION                                                              | CORRECTION                                                     | 12-4-03  | A       |
| 645   | INSPECT FOR LIVE AMMO                                                    |                                                                | 12-4-03  | A       |
| 655   | FINAL INSPECTION<br>A) HEADSPACE                                         |                                                                | 12-8-03  | RTL     |
|       | B) TRIGGER PULL <span>+/- .5 LBS<br/>MIN 2.50 LBS<br/>MAX 4.0 LBS</span> | <u>2.88</u> <u>2.16</u> <u>2.19</u> <u>2.20</u> <u>2.14</u>    | 12/6/03  | RW      |
|       | C) FUNCTION                                                              |                                                                | 12-8-03  | RTL     |
| 660   | PACK                                                                     |                                                                | 12/8/03  | OA      |

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 10-6-03

TESTER TRW

|         | 2.50 LBS<br>INITIAL | 2.50 LBS AFTER<br>50 CYCLES | FINAL TEST & TO RESET<br>2.50 LBS |       | COMMENTS |
|---------|---------------------|-----------------------------|-----------------------------------|-------|----------|
| PULL #1 | 2.51                | 2.76                        |                                   | 2.41  |          |
| PULL #2 | 2.78                | 2.60                        |                                   | 2.95  |          |
| PULL #3 | 2.59                | 2.73                        |                                   | 2.48  |          |
| PULL #4 | 2.71                | 2.66                        |                                   | 2.66  |          |
| PULL #5 | 2.70                | 2.53                        |                                   | 2.87  |          |
| TOTAL   | 13.29               | 13.28                       |                                   | 13.37 |          |
| AVERAGE | 2.65                | 2.65                        |                                   | 2.67  |          |

|         | 3.00 LBS<br>INITIAL | 3.00 LBS AFTER<br>20 CYCLES |  | COMMENTS |
|---------|---------------------|-----------------------------|--|----------|
| PULL #1 | 3.14                | 3.01                        |  |          |
| PULL #2 | 3.25                | 3.12                        |  |          |
| PULL #3 | 3.28                | 3.25                        |  |          |
| PULL #4 | 3.18                | 3.32                        |  |          |
| PULL #5 | 3.04                | 3.20                        |  |          |
| TOTAL   | 15.89               | 15.90                       |  |          |
| AVERAGE | 3.17                | 3.18                        |  |          |

|         | 4.00 LBS<br>INITIAL | 4.00 LBS AFTER<br>20 CYCLES | MAX SETTING GREATER<br>THAN 4 LBS | RESET TO 4 LBS FOR<br>TARGET & ACCURACY |
|---------|---------------------|-----------------------------|-----------------------------------|-----------------------------------------|
| PULL #1 | 4.41                | 4.37                        |                                   | 4.32                                    |
| PULL #2 | 4.44                | 4.02                        |                                   | 4.06                                    |
| PULL #3 | 4.46                | 4.11                        |                                   | 4.11                                    |
| PULL #4 | 4.20                | 4.35                        |                                   | 4.31                                    |
| PULL #5 | 4.36                | 4.28                        |                                   | 4.19                                    |
| TOTAL   | 21.87               | 21.13                       |                                   | 20.99                                   |
| AVERAGE | 4.37                | 4.22                        |                                   | 4.19                                    |

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6300576.\_\_\_0  
FILE DATE AND TIME: 12/04/2003 11:32

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.035 |
| The Average Y Centroid of the Five Target Set:              | 0.080  |
| The Average Point of Impact of the Five Target Set:         | 0.088  |
| The Average Mean Radius of the Five Target Set:             | 0.800  |
| The Distance from POA to Centroid Target #1:                | 0.048  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.362  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.151  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.324  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.133  |

SERIAL NUMBER: G6300576. \_\_0

TARGET NUMBER: 1

FILE DATE: 12/04/2003

FILE TIME: 11:32

X CENTROID: -0.048

Y CENTROID: 0.006

POA TO CENTROID: 0.048

HORZ SPREAD: 1.253

VERT SPREAD: 2.670

GROUP SPREAD: 2.795

MIN RADIUS: 0.213

MAX RADIUS: 1.510

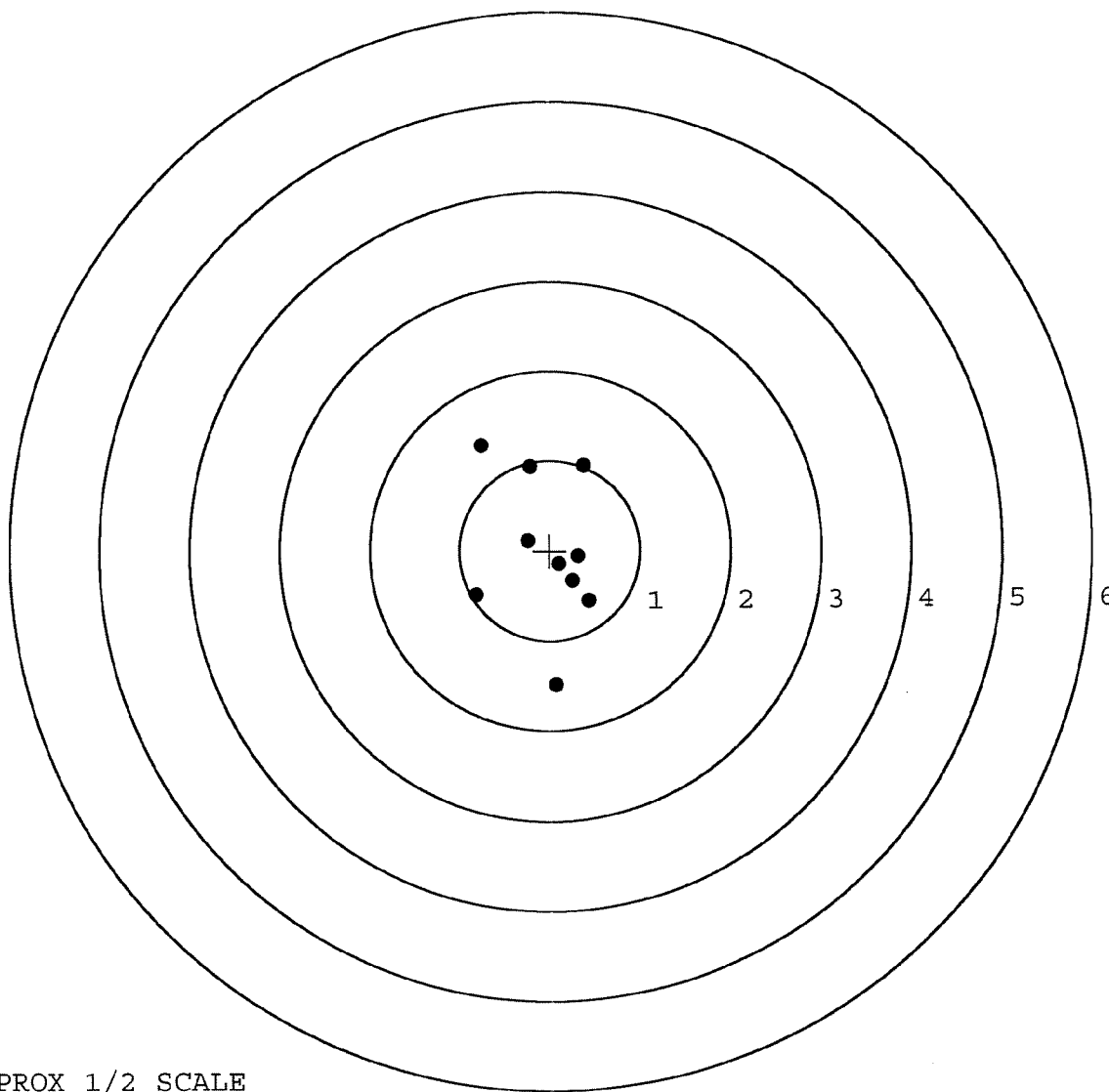
MEAN RADIUS: 0.777

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.382  | 0.941  |
| 2:     | -0.219 | 0.929  |
| 3:     | -0.758 | 1.170  |
| 4:     | -0.246 | 0.113  |
| 5:     | -0.816 | -0.493 |
| 6:     | 0.070  | -1.500 |
| 7:     | 0.437  | -0.558 |
| 8:     | 0.316  | -0.061 |
| 9:     | 0.100  | -0.148 |
| 10:    | 0.255  | -0.336 |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300576. \_\_0

TARGET NUMBER: 2

FILE DATE: 12/04/2003

FILE TIME: 11:32

X CENTROID: -0.087

Y CENTROID: 0.366

POA TO CENTROID: 0.376

HORZ SPREAD: 2.160

VERT SPREAD: 2.867

GROUP SPREAD: 3.202

MIN RADIUS: 0.310

MAX RADIUS: 1.844

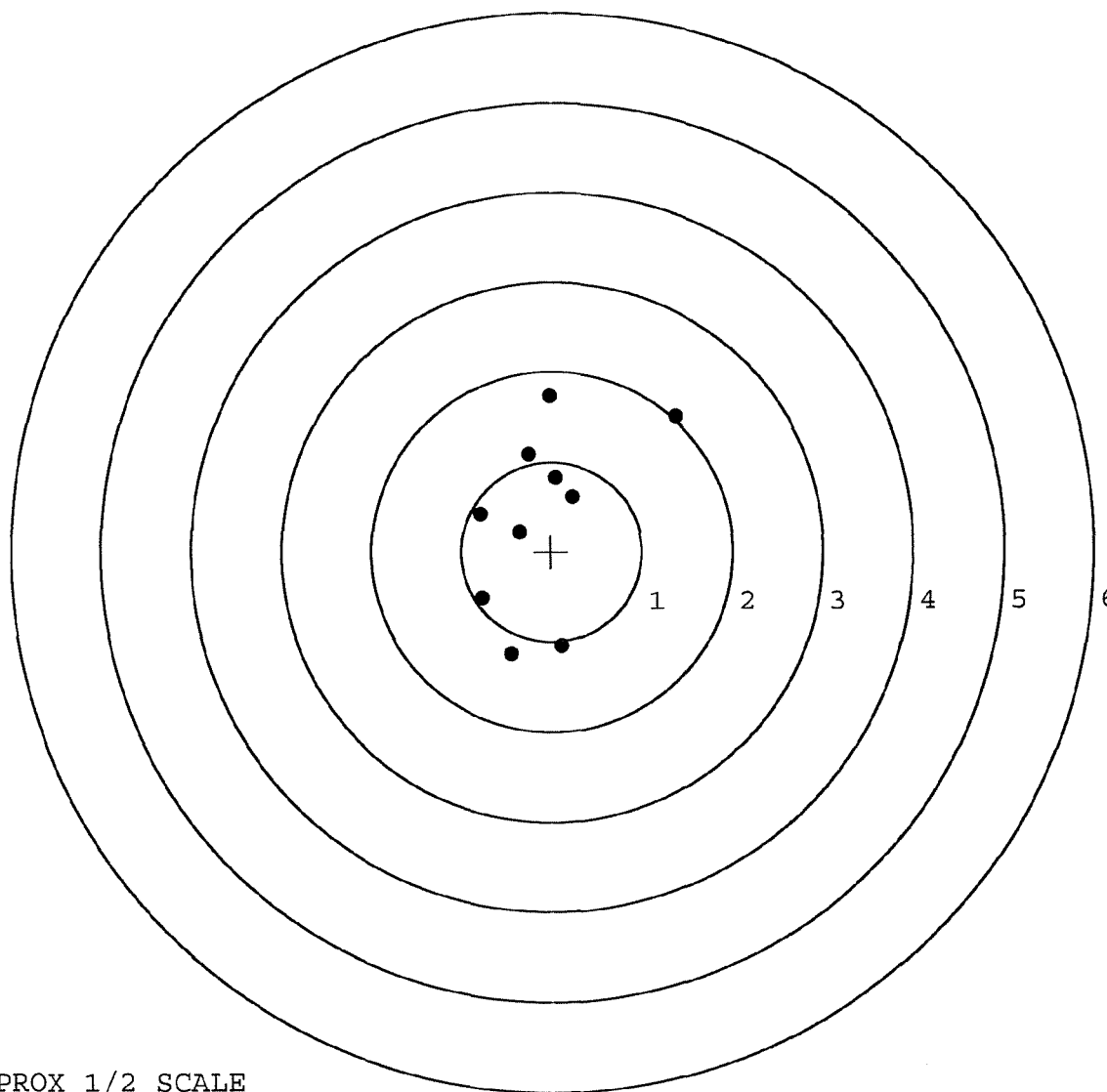
MEAN RADIUS: 0.993

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 5

# in 3 IN DIAMETER: 8

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.025 | 1.723  |
| 2:     | 1.369  | 1.497  |
| 3:     | -0.253 | 1.081  |
| 4:     | 0.052  | 0.822  |
| 5:     | 0.237  | 0.609  |
| 6:     | -0.791 | 0.421  |
| 7:     | -0.359 | 0.217  |
| 8:     | -0.771 | -0.514 |
| 9:     | -0.441 | -1.144 |
| 10:    | 0.115  | -1.054 |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300576. \_\_0

TARGET NUMBER: 3

FILE DATE: 12/04/2003

FILE TIME: 11:32

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.170 | 0.901  |
| 2:     | -0.350 | 0.778  |
| 3:     | -0.024 | 0.472  |
| 4:     | 0.327  | 0.176  |
| 5:     | -0.530 | 0.049  |
| 6:     | -0.896 | -0.108 |
| 7:     | -0.338 | -0.084 |
| 8:     | 0.144  | -0.447 |
| 9:     | 0.100  | -0.662 |
| 10:    | -0.238 | -0.834 |

X CENTROID: -0.198

Y CENTROID: 0.024

POA TO CENTROID: 0.199

HORZ SPREAD: 1.223

VERT SPREAD: 1.735

GROUP SPREAD: 1.736

MIN RADIUS: 0.177

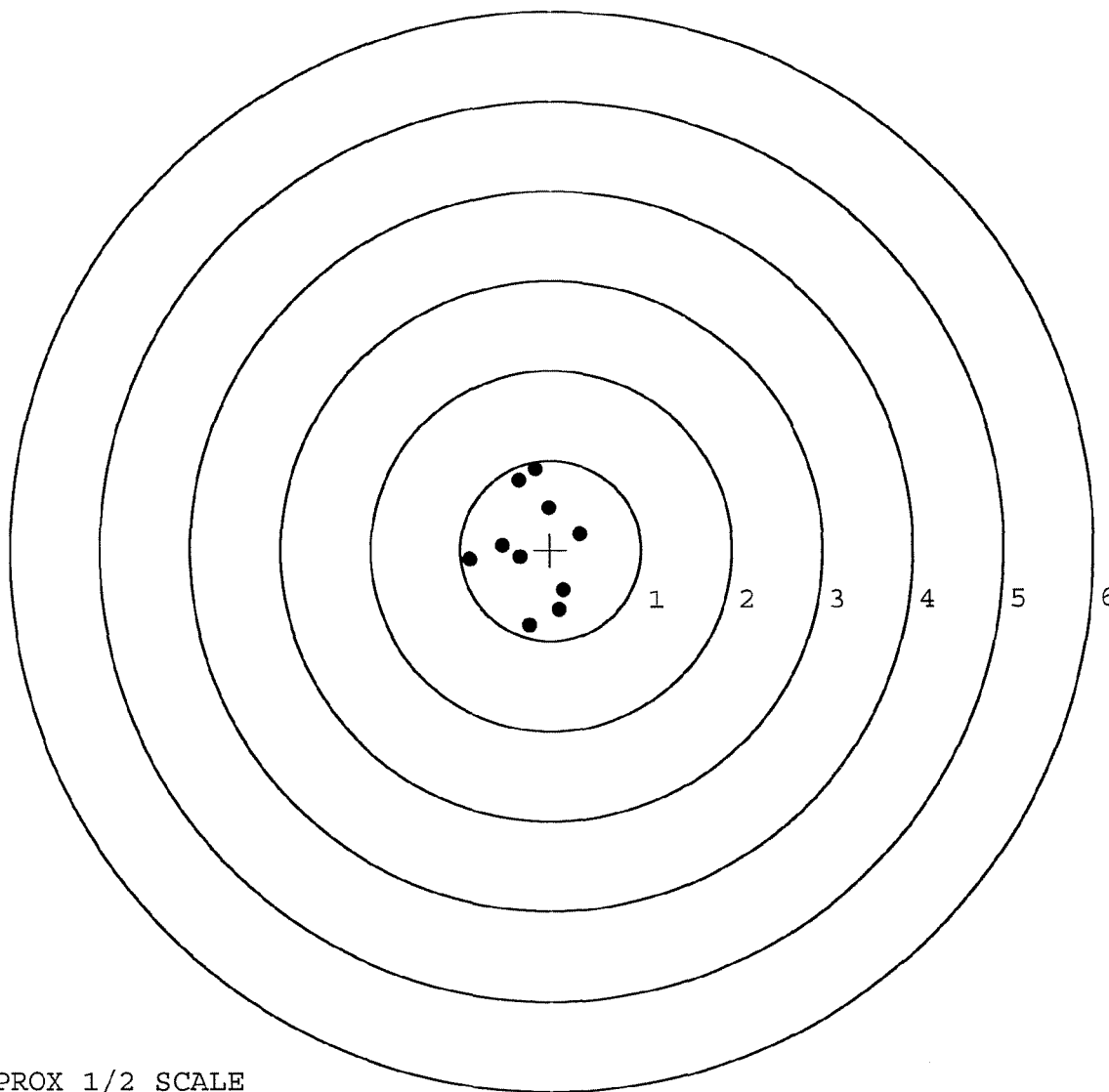
MAX RADIUS: 0.877

MEAN RADIUS: 0.608

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 10

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300576. \_\_0

TARGET NUMBER: 4

FILE DATE: 12/04/2003

FILE TIME: 11:32

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.328  | 1.269  |
| 2:     | 0.196  | 0.597  |
| 3:     | -0.608 | 0.398  |
| 4:     | -0.518 | -0.035 |
| 5:     | 0.490  | 0.121  |
| 6:     | 0.227  | -0.076 |
| 7:     | 0.339  | -0.388 |
| 8:     | 1.000  | -0.283 |
| 9:     | 1.041  | -0.852 |
| 10:    | -0.017 | -2.018 |

X CENTROID: 0.248

Y CENTROID: -0.127

POA TO CENTROID: 0.278

HORZ SPREAD: 1.649

VERT SPREAD: 3.287

GROUP SPREAD: 3.305

MIN RADIUS: 0.055

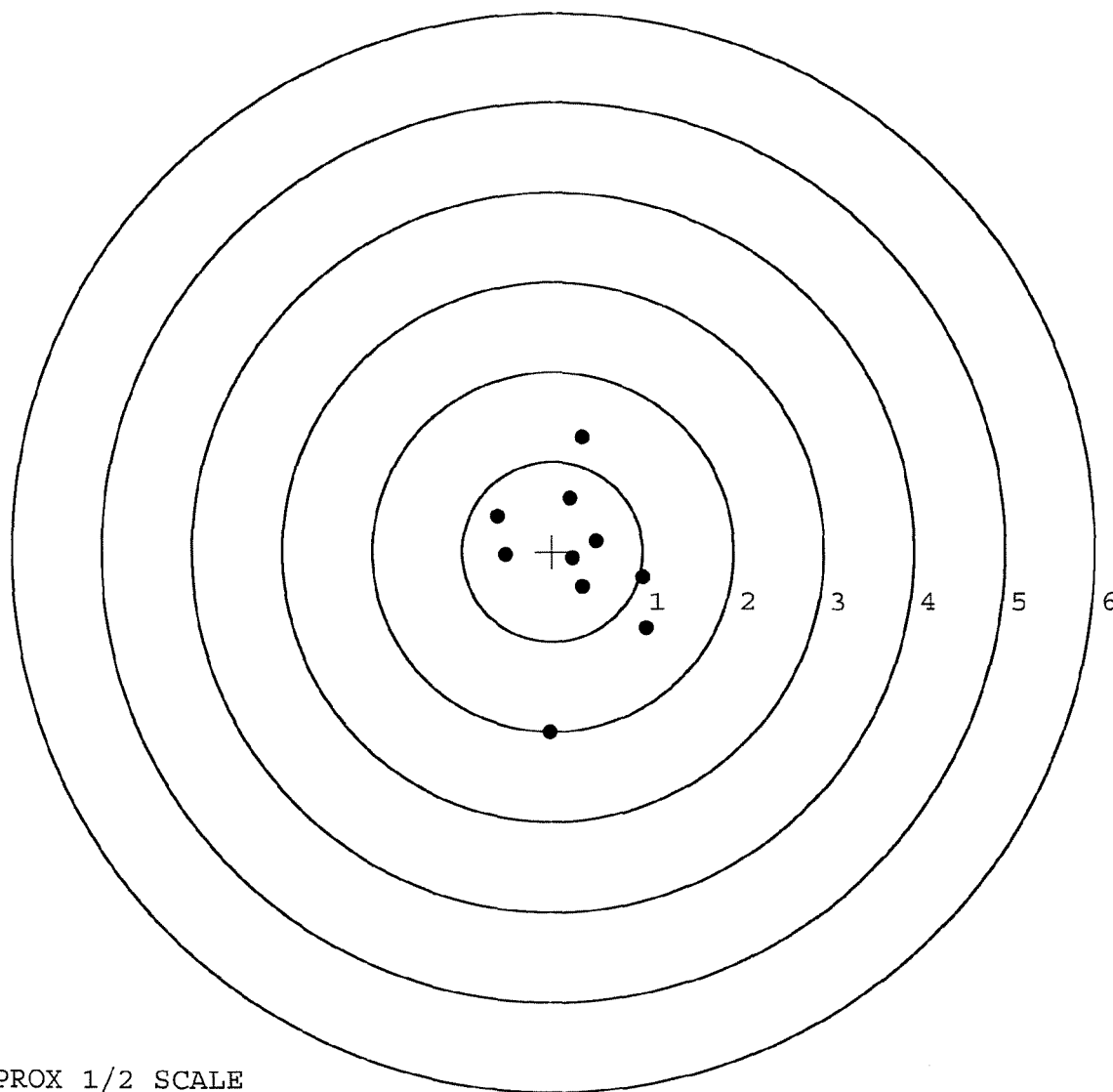
MAX RADIUS: 1.910

MEAN RADIUS: 0.833

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 6

# in 3 IN DIAMETER: 9

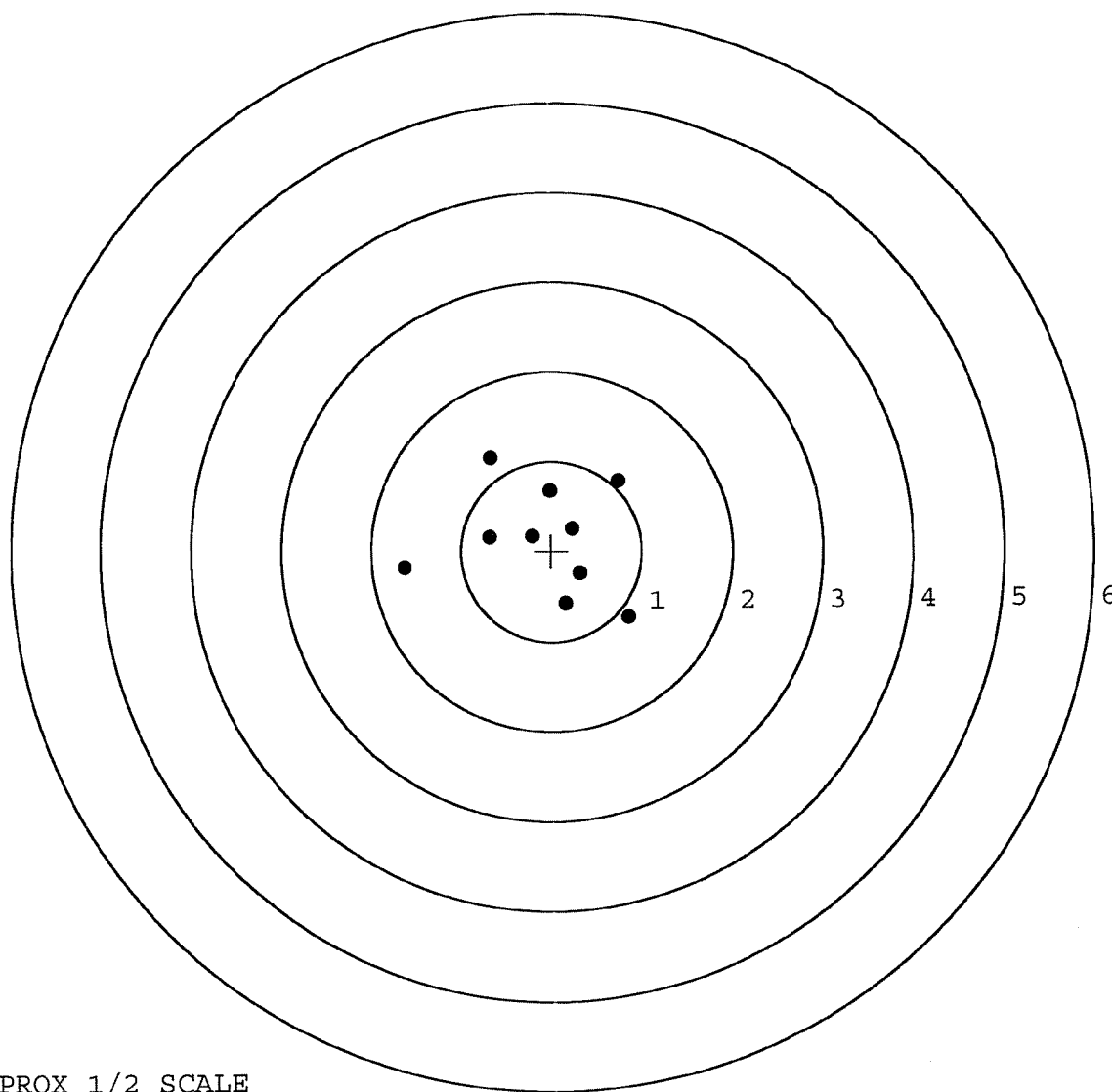


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300576. \_\_0  
TARGET NUMBER: 5  
FILE DATE: 12/04/2003  
FILE TIME: 11:32

X CENTROID: -0.092  
Y CENTROID: 0.132  
POA TO CENTROID: 0.161  
HORZ SPREAD: 2.482  
VERT SPREAD: 1.778  
GROUP SPREAD: 2.559  
MIN RADIUS: 0.126  
MAX RADIUS: 1.571  
MEAN RADIUS: 0.791  
# IN 1 IN DIAMETER: 2  
# IN 2 IN DIAMETER: 6  
# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.741  | 0.778  |
| 2:     | -0.673 | 1.042  |
| 3:     | -0.020 | 0.669  |
| 4:     | -0.684 | 0.155  |
| 5:     | -1.633 | -0.178 |
| 6:     | -0.213 | 0.166  |
| 7:     | 0.239  | 0.250  |
| 8:     | 0.316  | -0.248 |
| 9:     | 0.155  | -0.582 |
| 10:    | 0.849  | -0.736 |



TARGET APPROX 1/2 SCALE