

C6611443

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

Arm 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: **RE00101835** Serial: C6611443 Model: 700 Center Fire Caliber: 7 Repairman: 62 NATO M/24 SWS Status: Closed 10/3/2005 2:57:52 PM

Verify Repair

**Address Information**

Customer: ☒ Received From Return To: ☐ Received From

Name: **MAIL STOP 181** **MAIL STOP 181**

Address 1: **BOX 339500** **BOX 339500**

Address 2:

City: **FORT LEWIS** **FORT LEWIS**

State: **WA** Zip Code: **98433** Country: **US** State: **WA** Zip Code: **98433** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

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

**Contact Information**

Phone:

Fax:

Email:

Comments: **2ND TIME IN REFER TO R23395**

**Received Condition**

Condition: **Fair**

Condition Notes:

CSR Notes:

**Accessories Received**

| Code | Desc        | Qty |
|------|-------------|-----|
| A006 | Sling Strap | 1   |
| A007 | With Stud   | 3   |
| A008 | With Swivel | 2   |
| A016 | Scope Rings | 2   |
| A017 | Scope Base  | 1   |
| A026 | Scope       | 1   |
| A045 | Bi Pod      | 1   |

Repair Search Refresh Close

negletj 10/3/2005 3:26 PM CAPS NUM INS SCAL

start 3 3 3

Serial Number: **C6611443**

Model: **700**



**RE00101835**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611443.\_\_\_1  
FILE DATE AND TIME: 10/26/2005 09:52

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:              | 0.214 |
| The Average Point of Impact of the Five Target Set:         | 0.220 |
| The Average Mean Radius of the Five Target Set:             | 0.822 |
| The Distance from POA to Centroid Target #1:                | 0.624 |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.211 |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.750 |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.579 |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.674 |

SERIAL NUMBER: C6611443. \_\_1

TARGET NUMBER: 1

FILE DATE: 10/26/2005

FILE TIME: 09:52

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.953  | -0.350 |
| 2:     | 0.362  | -1.381 |
| 3:     | 0.292  | -0.772 |
| 4:     | 0.019  | 0.038  |
| 5:     | -0.242 | 0.610  |
| 6:     | -0.234 | 0.763  |
| 7:     | -0.089 | 0.857  |
| 8:     | -0.226 | 1.471  |
| 9:     | -1.262 | 2.234  |
| 10:    | -1.105 | 2.575  |

X CENTROID: -0.153

Y CENTROID: 0.604

POA TO CENTROID: 0.624

HORZ SPREAD: 2.215

VERT SPREAD: 3.956

GROUP SPREAD: 4.219

MIN RADIUS: 0.089

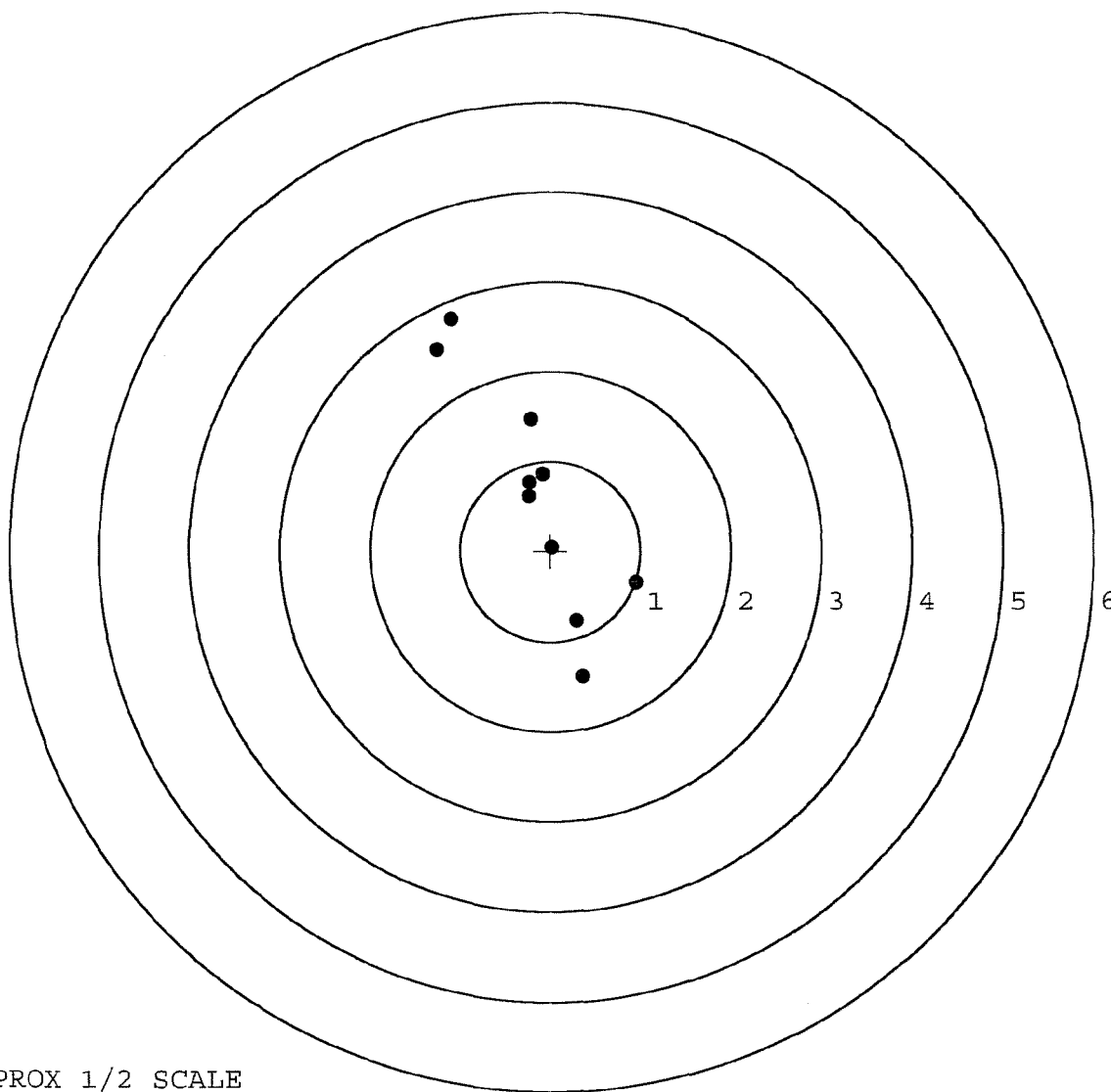
MAX RADIUS: 2.188

MEAN RADIUS: 1.111

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 5

# in 3 IN DIAMETER: 7

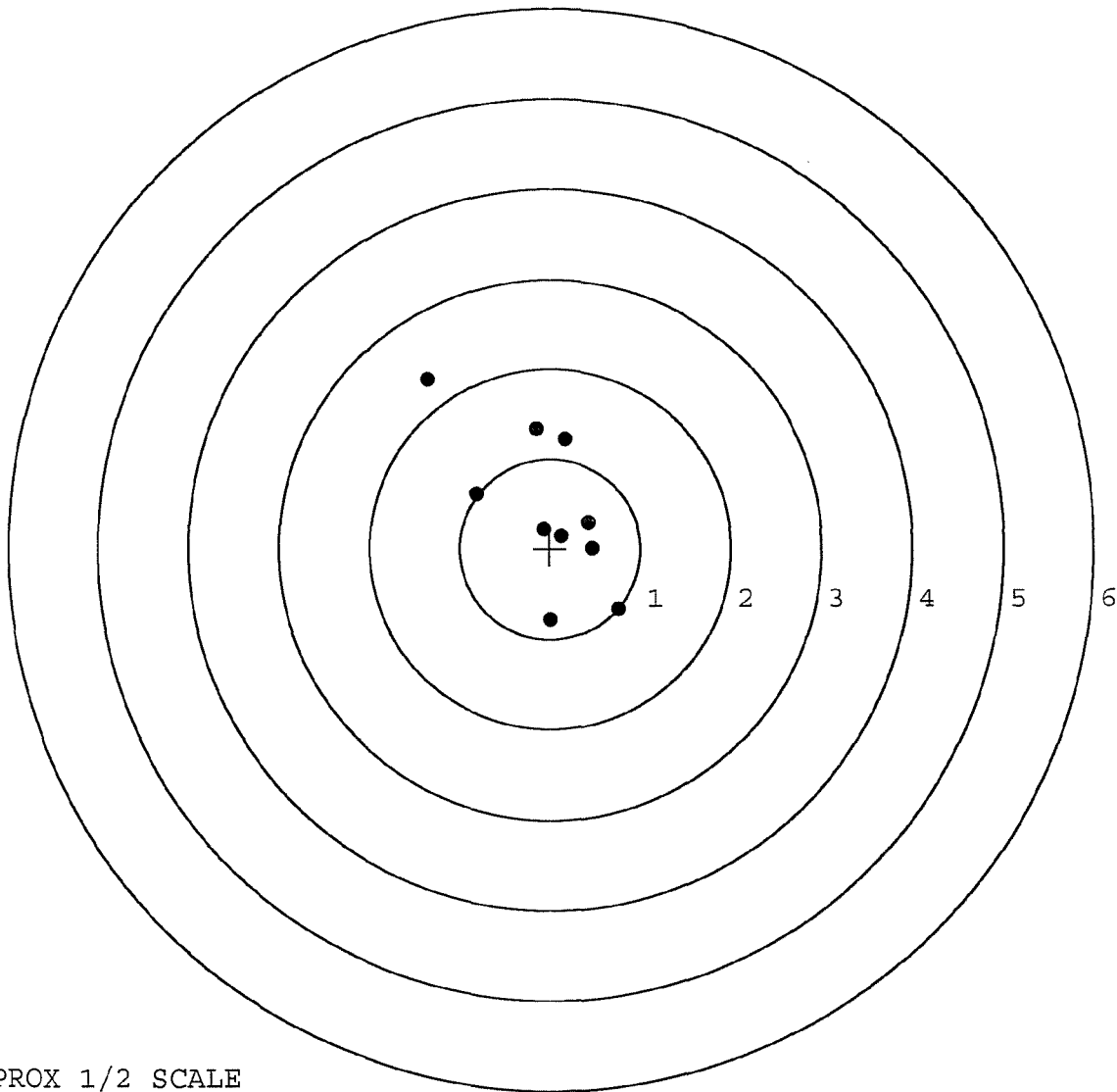


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611443. \_\_1  
TARGET NUMBER: 2  
FILE DATE: 10/26/2005  
FILE TIME: 09:52

X CENTROID: -0.046  
Y CENTROID: 0.423  
POA TO CENTROID: 0.426  
HORZ SPREAD: 2.115  
VERT SPREAD: 2.670  
GROUP SPREAD: 3.311  
MIN RADIUS: 0.210  
MAX RADIUS: 1.961  
MEAN RADIUS: 0.874  
# IN 1 IN DIAMETER: 3  
# IN 2 IN DIAMETER: 7  
# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.754  | -0.671 |
| 2:     | 0.000  | -0.793 |
| 3:     | 0.468  | 0.008  |
| 4:     | 0.424  | 0.295  |
| 5:     | 0.129  | 0.146  |
| 6:     | -0.068 | 0.214  |
| 7:     | -0.816 | 0.612  |
| 8:     | 0.169  | 1.217  |
| 9:     | -0.155 | 1.327  |
| 10:    | -1.361 | 1.877  |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611443. \_1

TARGET NUMBER: 3

FILE DATE: 10/26/2005

FILE TIME: 09:52

X CENTROID: 0.205

Y CENTROID: -0.054

POA TO CENTROID: 0.212

HORZ SPREAD: 1.703

VERT SPREAD: 1.746

GROUP SPREAD: 1.972

MIN RADIUS: 0.215

MAX RADIUS: 1.074

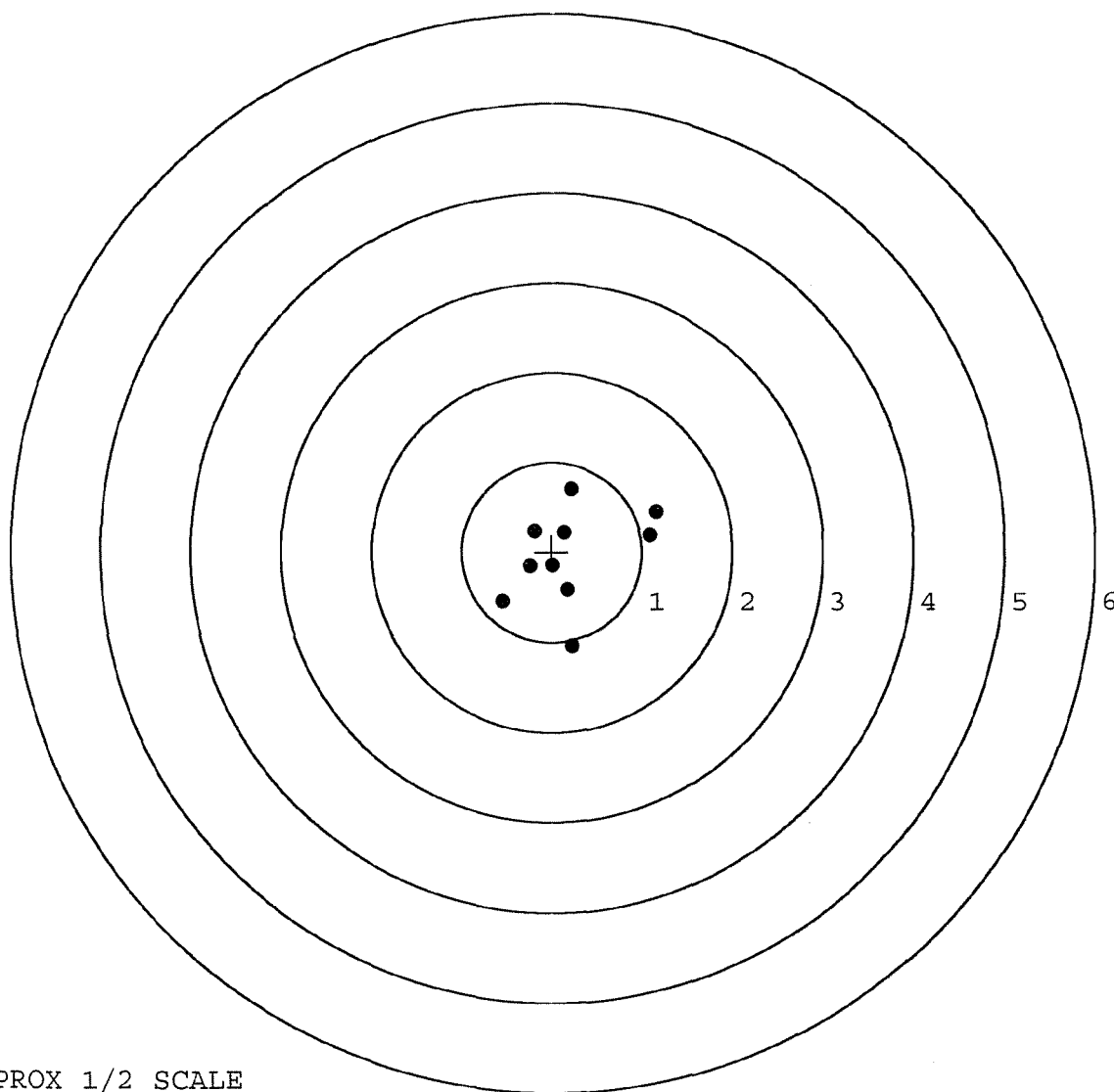
MEAN RADIUS: 0.645

# IN 1 IN DIAMETER: 5

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.087  | 0.192  |
| 2:     | 1.155  | 0.447  |
| 3:     | 0.237  | -1.050 |
| 4:     | -0.548 | -0.548 |
| 5:     | 0.178  | -0.423 |
| 6:     | 0.217  | 0.696  |
| 7:     | -0.187 | 0.233  |
| 8:     | 0.144  | 0.219  |
| 9:     | -0.242 | -0.157 |
| 10:    | 0.013  | -0.149 |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611443. \_\_1

TARGET NUMBER: 4

FILE DATE: 10/26/2005

FILE TIME: 09:52

X CENTROID: 0.018

Y CENTROID: 0.051

POA TO CENTROID: 0.054

HORZ SPREAD: 0.834

VERT SPREAD: 3.401

GROUP SPREAD: 3.428

MIN RADIUS: 0.335

MAX RADIUS: 1.818

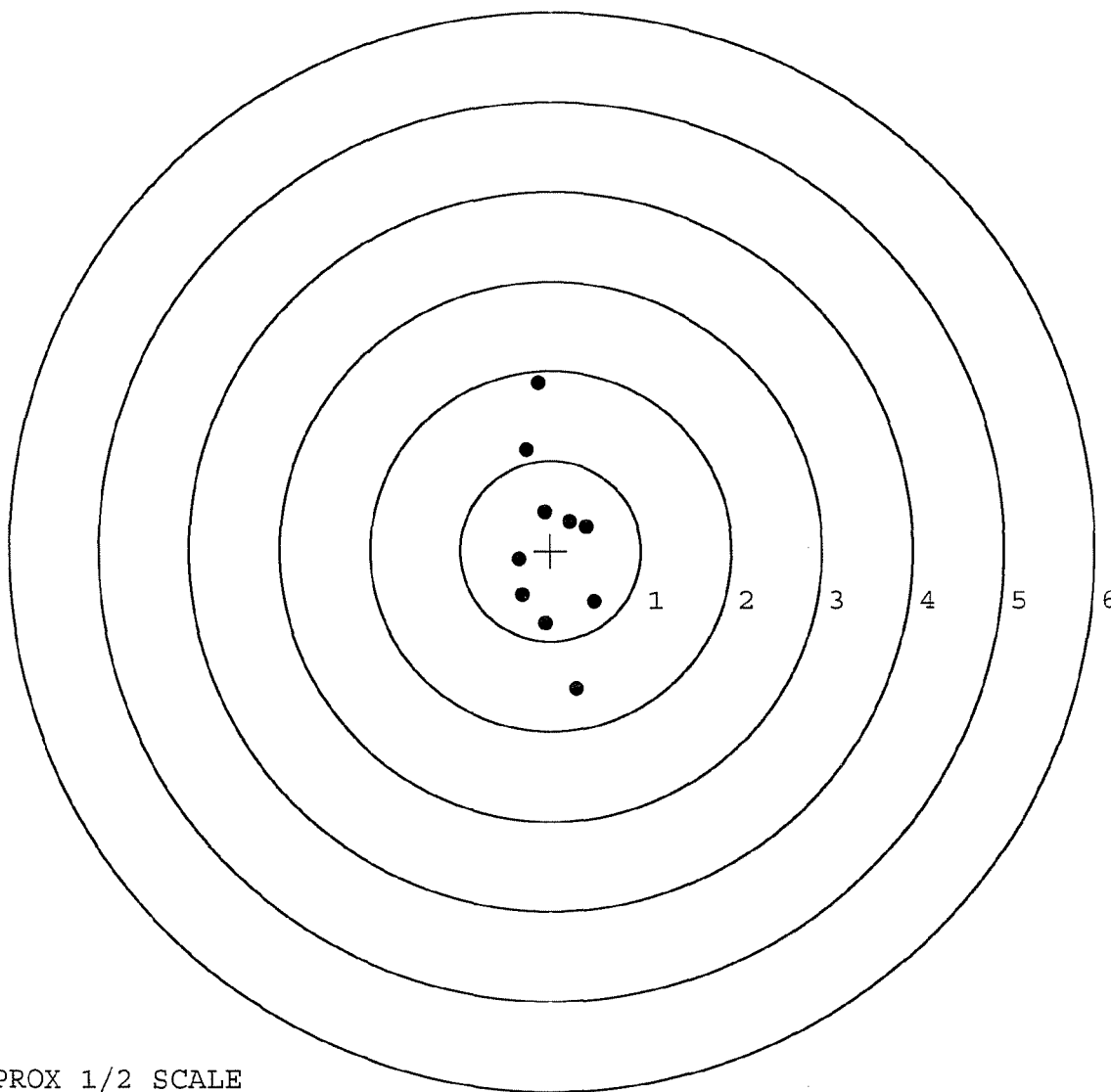
MEAN RADIUS: 0.836

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 8

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.291  | -1.539 |
| 2:     | 0.486  | -0.562 |
| 3:     | -0.062 | -0.809 |
| 4:     | -0.316 | -0.487 |
| 5:     | -0.348 | -0.095 |
| 6:     | 0.398  | 0.270  |
| 7:     | 0.210  | 0.326  |
| 8:     | -0.067 | 0.429  |
| 9:     | -0.271 | 1.119  |
| 10:    | -0.141 | 1.862  |

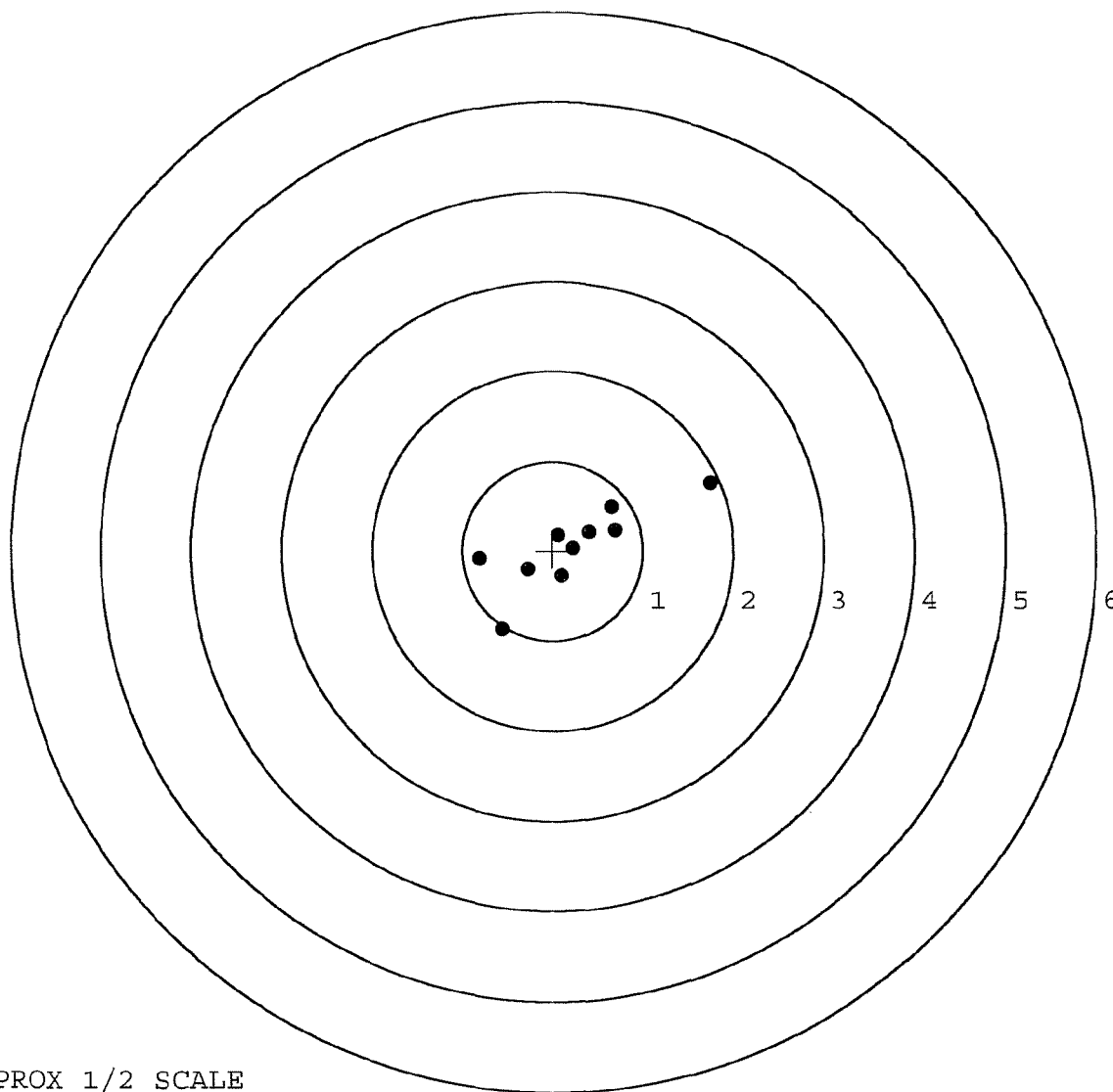


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611443. \_\_1  
TARGET NUMBER: 5  
FILE DATE: 10/26/2005  
FILE TIME: 09:52

X CENTROID: 0.223  
Y CENTROID: 0.045  
POA TO CENTROID: 0.228  
HORZ SPREAD: 2.556  
VERT SPREAD: 1.640  
GROUP SPREAD: 2.830  
MIN RADIUS: 0.016  
MAX RADIUS: 1.680  
MEAN RADIUS: 0.645  
# IN 1 IN DIAMETER: 4  
# IN 2 IN DIAMETER: 7  
# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.743  | 0.762  |
| 2:     | -0.563 | -0.878 |
| 3:     | -0.813 | -0.090 |
| 4:     | -0.275 | -0.211 |
| 5:     | 0.104  | -0.283 |
| 6:     | 0.064  | 0.178  |
| 7:     | 0.228  | 0.030  |
| 8:     | 0.404  | 0.217  |
| 9:     | 0.693  | 0.234  |
| 10:    | 0.649  | 0.494  |



TARGET APPROX 1/2 SCALE

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

|                     |                    |                     |          |
|---------------------|--------------------|---------------------|----------|
| R & E NUMBER        | 101835             |                     |          |
| SERIAL NUMBER       | C66611443          |                     |          |
| LOG-IN DATE         | 10-3-05            |                     |          |
| INSPECT AND VERIFY: |                    |                     |          |
| OPERATION #         | OPERATION NAME     | DATE                | INITIALS |
| 550                 | DIS-ASSEMBLE GUN   | 10-4-05             | RTZ      |
| 560 A               | RE-BARREL          | 10-5-05             | RTZ      |
| B                   | DRILL AND TAP      | 10-6-05             | TRW      |
| 575                 | ASSEMBLE           | 10-5-05             | RTZ      |
| 600                 | PROOF MAGFLUX-FLUX | 10-5-05             | RR       |
| 605                 | CHECK HEADSPACE    | 10-5-05             | RTZ      |
| 610                 | DIS-ASSEMBLE GUN   | 10-5-05             | RTZ      |
| 612                 | MAGNAFLUX          | 10-7-05             | unib     |
| 615                 | ROLLMARK CALIBER   | 10-7-05             | CW       |
| 618                 | ROTO-BLAST         | 10-10-05            | SD       |
| 620                 | APPLY COATINGS     | 10-14-05            | RB       |
| 625 A               | FINAL ASSEMBLY     | 10-26-05            | RTZ      |
| B                   | TRIGGER PULL TEST  | 10-26-05            | RC       |
| C                   | SAFETY "ON" FORCE  | 10-26-05            | RC       |
| D                   | SAFETY "OFF" FORCE | 10-26-05            | RC       |
| E                   | FIRING PIN INDENT  | 10-26-05            | RC       |
| 640                 | TARGET             | 10-26-05            | TRW      |
| 655                 | FINAL INSPECT      | 10-26-05            | RC       |
| 660                 | PACK               | 10-27-05            | RA       |
|                     |                    | SHIP DATE           |          |
|                     |                    | QAR INSPECTION DATE |          |

## Repair Inquiry

Repair Number: RE00069395

Serial: C6611443 Model 700 CenterFire Caliber: 7  
62 NATO M/24 SWS

Repairman:

Verify Repair

Status:

New 9/2/2003 6:56:03 AM

## Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: HHC 5-20 IN SNIPER SECTION

HHC 5-20 IN SNIPER SECTION

Address 1: SSG HORTON CHRIS

SSG HORTON CHRIS

Address 2: PO Box:

PO Box:

City: FORT LEWIS

FORT LEWIS

State: WA Zip Code: 98433

Country: US

State: WA Zip Code: 98433

Country: US

FFL:

## Contact / Condition

## Problems

## Estimate

## History / Status

## Shipping / Billing

## Contact Information

Phone: 253 967 1800

Fax:

Email:

Comments:

## Received Condition

Good

Condition  
Notes:CSR  
Notes:

## Accessories Received

| Code | Desc              | Qty |
|------|-------------------|-----|
| A007 | With Stud         | 3   |
| A010 | Hard Case         | 1   |
| A017 | Scope Base        | 1   |
| A026 | Scope             | 1   |
| C000 | FRT AND REAR BASI | 1   |
| C001 | SCOPE CASE        | 1   |

Repair Search

Refresh

Close

naglelj

9/2/2003

7:32 AM

CAPS

NUM

INS

SCPL

start

3 Photos

Part Search

New Items

Arms Servi...

2.14/Docum...

2 Photos

7:32 AM

Serial Number: C6611443

Model: 700



RE00069395

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611443.\_\_0  
FILE DATE AND TIME: 09/17/2003 06:50

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |       |
|-------------------------------------------------------------|-------|
| The Average X Centroid of the Five Target Set:              | 0.046 |
| The Average Y Centroid of the Five Target Set:              | 0.135 |
| The Average Point of Impact of the Five Target Set:         | 0.143 |
| The Average Mean Radius of the Five Target Set:             | 0.730 |
| The Distance from POA to Centroid Target #1:                | 0.159 |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.173 |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.158 |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.168 |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.207 |

SERIAL NUMBER: C6611443. \_\_0

TARGET NUMBER: 1

FILE DATE: 09/17/2003

FILE TIME: 06:50

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.141  | 0.630  |
| 2:     | 0.760  | 0.346  |
| 3:     | 0.510  | 0.477  |
| 4:     | 0.227  | 0.410  |
| 5:     | -0.104 | -0.758 |
| 6:     | -0.438 | -0.523 |
| 7:     | -0.167 | 0.018  |
| 8:     | -0.325 | 0.117  |
| 9:     | -0.518 | 0.237  |
| 10:    | -0.627 | 0.568  |

X CENTROID: 0.046

Y CENTROID: 0.152

POA TO CENTROID: 0.159

HORZ SPREAD: 1.768

VERT SPREAD: 1.388

GROUP SPREAD: 1.955

MIN RADIUS: 0.252

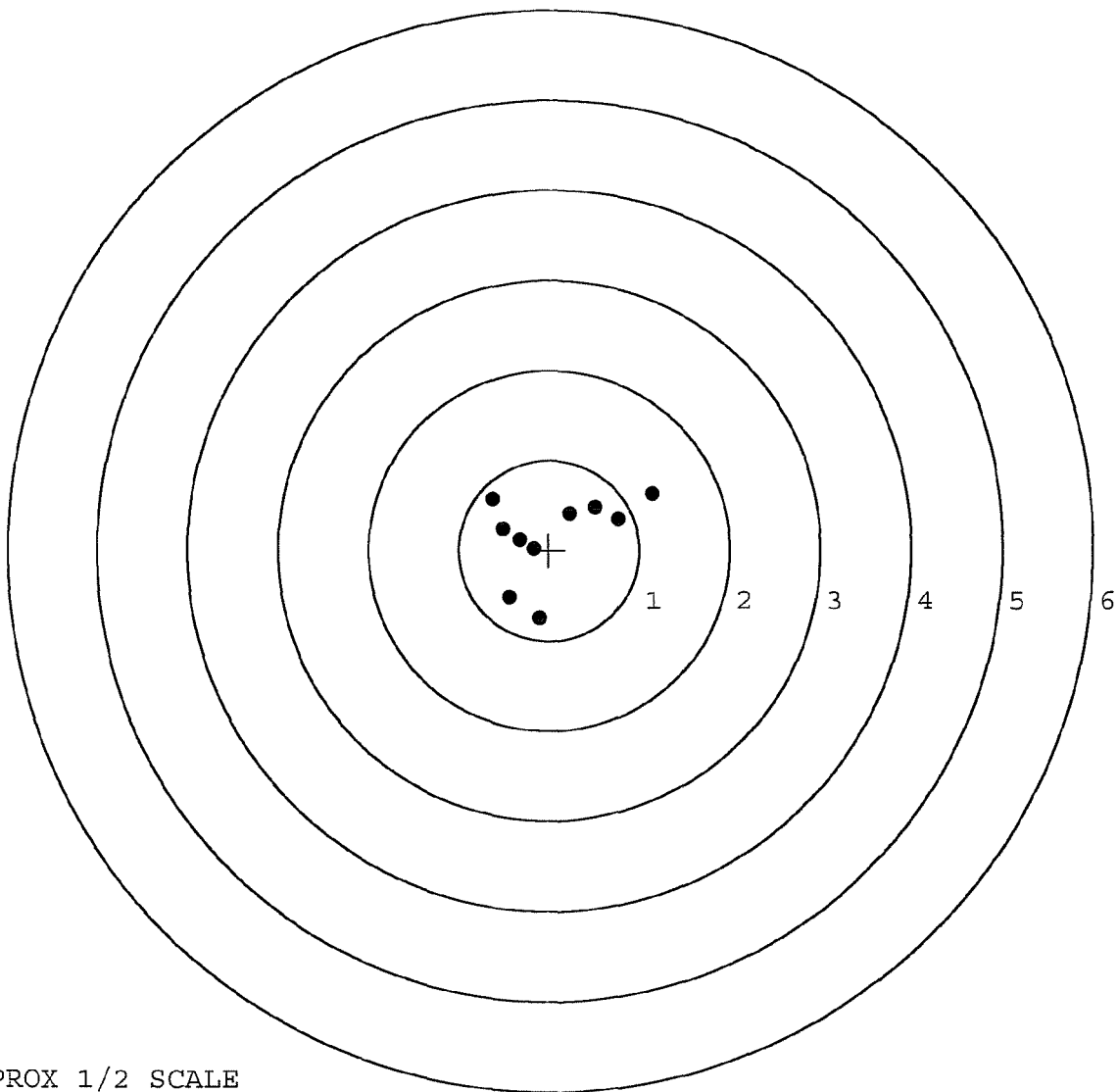
MAX RADIUS: 1.195

MEAN RADIUS: 0.655

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611443. \_\_0

TARGET NUMBER: 2

FILE DATE: 09/17/2003

FILE TIME: 06:50

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.794  | 1.540  |
| 2:     | 0.509  | 1.019  |
| 3:     | 0.242  | 0.605  |
| 4:     | 0.426  | 0.458  |
| 5:     | -0.310 | 1.007  |
| 6:     | 0.239  | -0.128 |
| 7:     | -1.090 | -0.390 |
| 8:     | -0.344 | -0.120 |
| 9:     | -0.285 | -0.498 |
| 10:    | -0.090 | -0.285 |

X CENTROID: 0.009

Y CENTROID: 0.321

POA TO CENTROID: 0.321

HORZ SPREAD: 1.884

VERT SPREAD: 2.038

GROUP SPREAD: 2.697

MIN RADIUS: 0.367

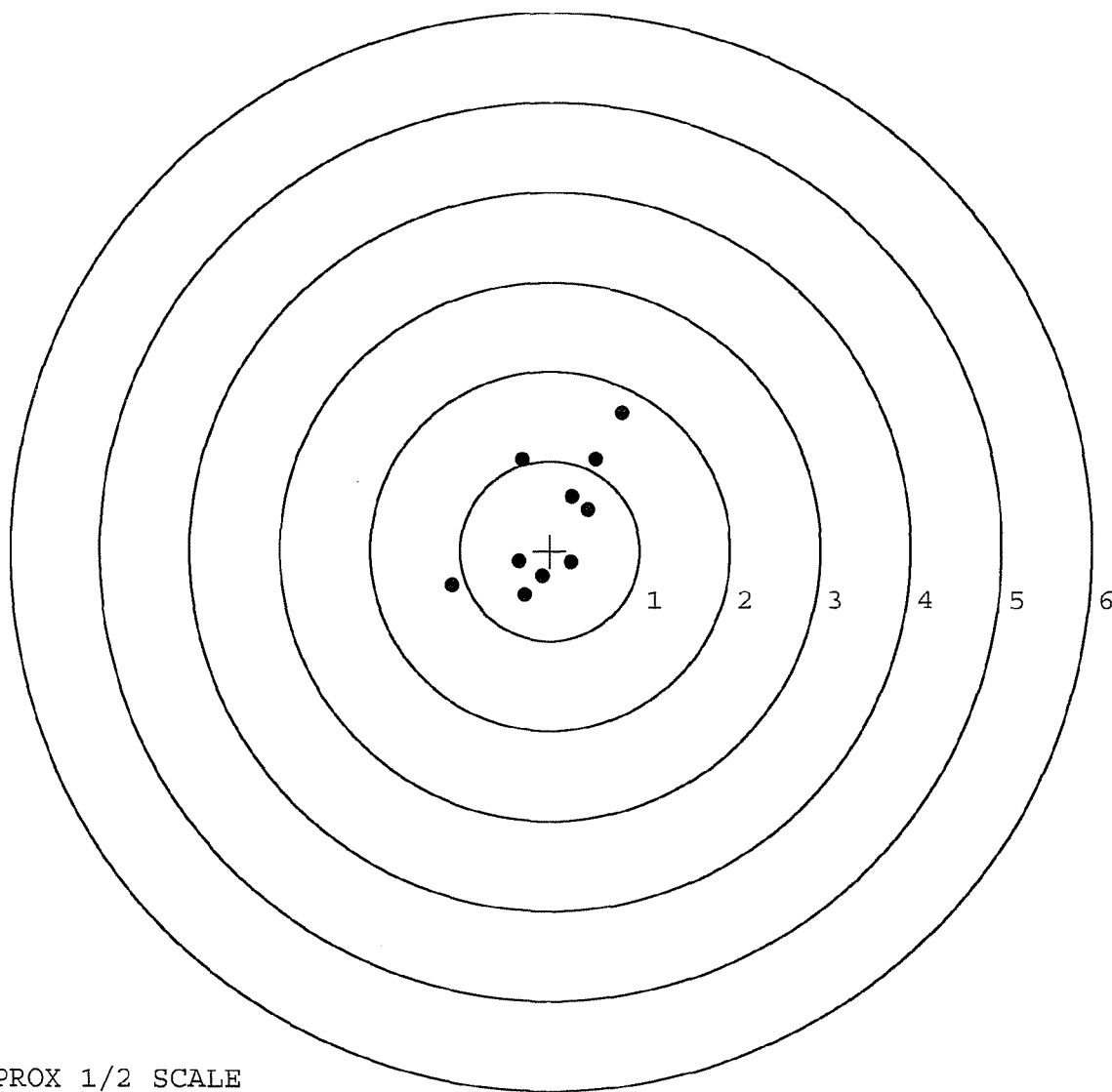
MAX RADIUS: 1.450

MEAN RADIUS: 0.773

# IN 1 IN DIAMETER: 2

# IN 2 IN DIAMETER: 8

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611443. \_\_0

TARGET NUMBER: 3

FILE DATE: 09/17/2003

FILE TIME: 06:50

X CENTROID: -0.106

Y CENTROID: 0.196

POA TO CENTROID: 0.223

HORZ SPREAD: 1.933

VERT SPREAD: 2.554

GROUP SPREAD: 2.555

MIN RADIUS: 0.521

MAX RADIUS: 1.503

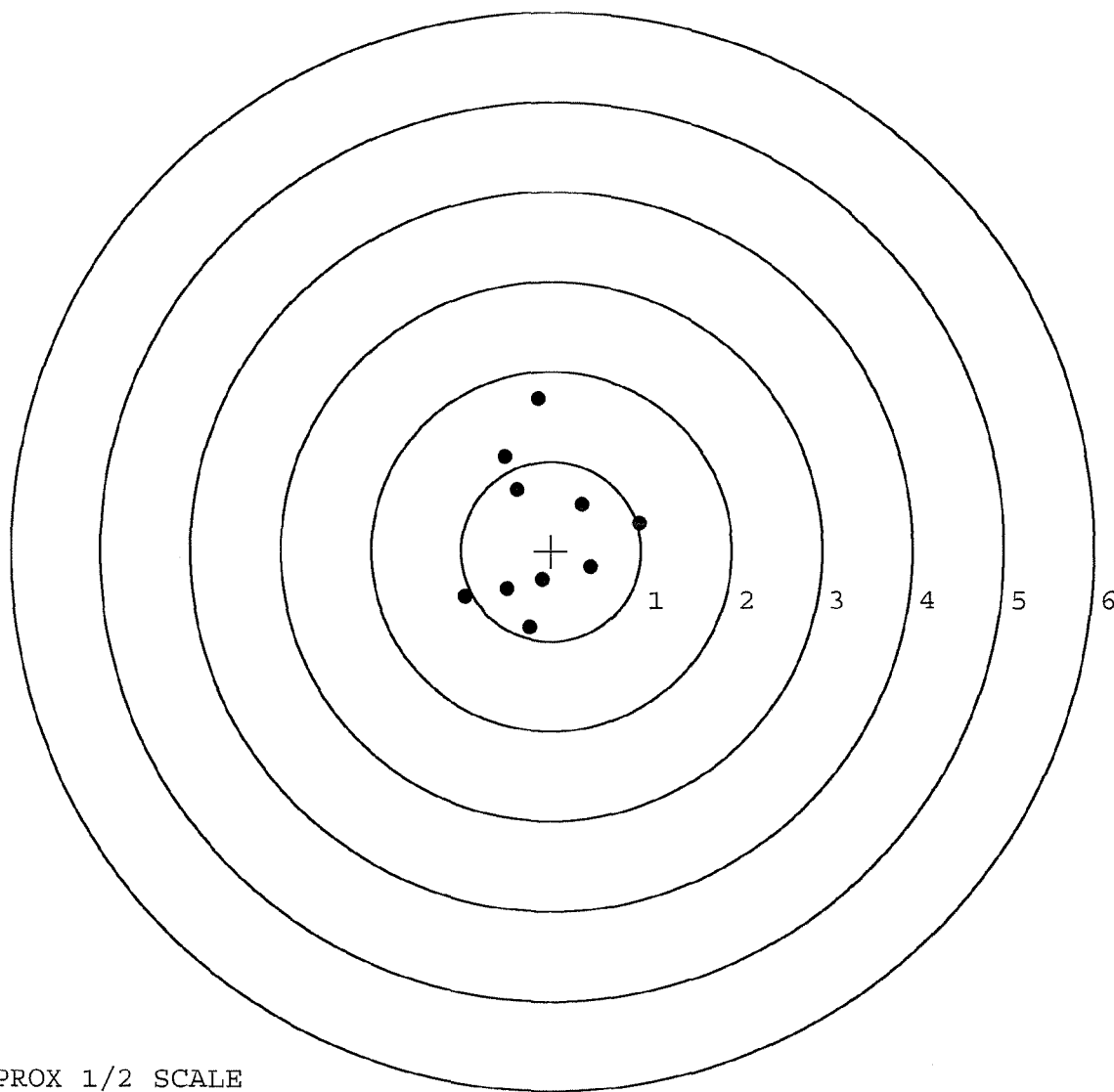
MEAN RADIUS: 0.873

# IN 1 IN DIAMETER: 0

# IN 2 IN DIAMETER: 6

# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.978  | 0.313  |
| 2:     | 0.345  | 0.517  |
| 3:     | 0.444  | -0.181 |
| 4:     | -0.234 | -0.856 |
| 5:     | -0.101 | -0.325 |
| 6:     | -0.487 | -0.427 |
| 7:     | -0.955 | -0.507 |
| 8:     | -0.383 | 0.674  |
| 9:     | -0.517 | 1.051  |
| 10:    | -0.151 | 1.698  |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611443. \_\_0

TARGET NUMBER: 4

FILE DATE: 09/17/2003

FILE TIME: 06:50

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.668  | 0.175  |
| 2:     | 0.523  | 0.556  |
| 3:     | 0.470  | 0.363  |
| 4:     | -0.013 | 0.443  |
| 5:     | 0.149  | 0.178  |
| 6:     | -0.424 | 0.379  |
| 7:     | 0.114  | -0.235 |
| 8:     | -0.012 | -0.583 |
| 9:     | -0.214 | -0.286 |
| 10:    | -0.426 | -0.428 |

X CENTROID: 0.184

Y CENTROID: 0.056

POA TO CENTROID: 0.192

HORZ SPREAD: 2.094

VERT SPREAD: 1.139

GROUP SPREAD: 2.179

MIN RADIUS: 0.127

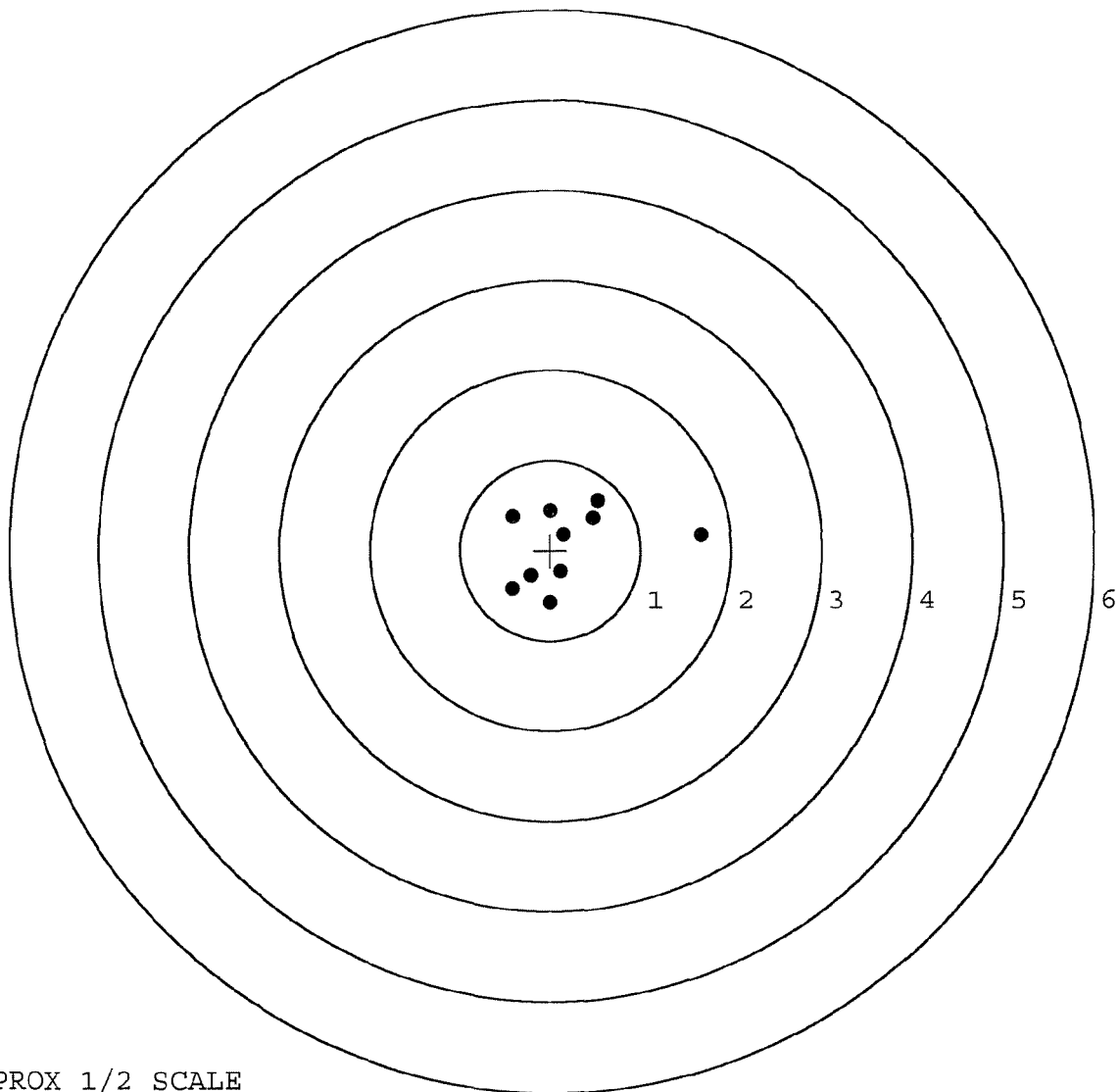
MAX RADIUS: 1.489

MEAN RADIUS: 0.603

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611443. \_\_0

TARGET NUMBER: 5

FILE DATE: 09/17/2003

FILE TIME: 06:50

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.562  | -0.867 |
| 2:     | 0.573  | -0.467 |
| 3:     | -0.098 | -1.261 |
| 4:     | 0.063  | -0.420 |
| 5:     | 0.370  | 0.034  |
| 6:     | -0.178 | 0.037  |
| 7:     | -1.086 | 0.206  |
| 8:     | 0.360  | 0.473  |
| 9:     | 0.028  | 0.674  |
| 10:    | 0.382  | 1.112  |

X CENTROID: 0.098

Y CENTROID: -0.048

POA TO CENTROID: 0.109

HORZ SPREAD: 1.659

VERT SPREAD: 2.373

GROUP SPREAD: 2.421

MIN RADIUS: 0.284

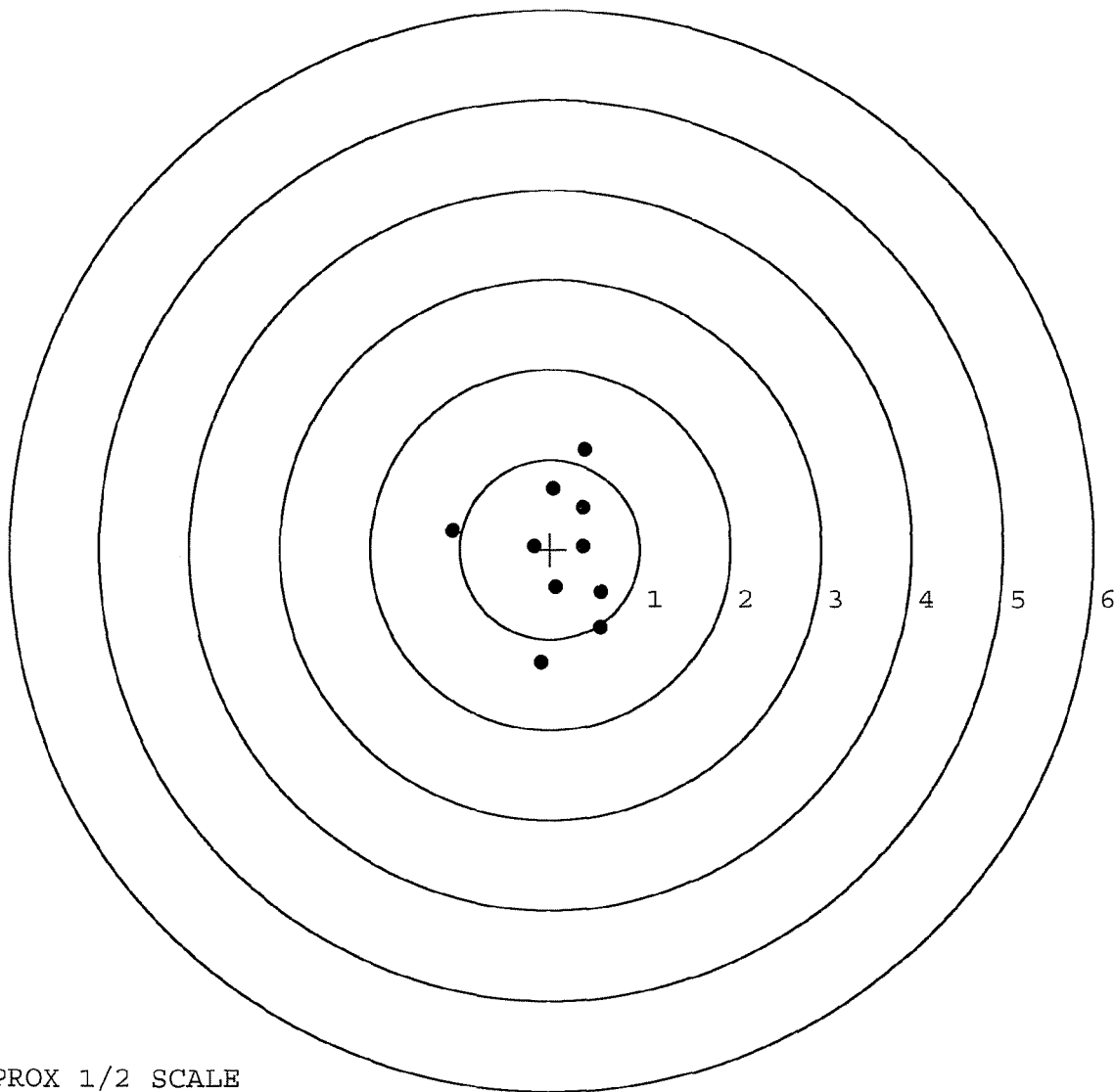
MAX RADIUS: 1.229

MEAN RADIUS: 0.746

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

SERIAL # C 6661 1443

INSPECTED BY: RTL

DATE REC'D: 8-2-03

DATE RET'D: 9-18-03

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**

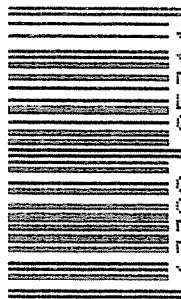
|                     |                     |           |         |
|---------------------|---------------------|-----------|---------|
| R & E NUMBER        | 069395              |           |         |
| SERIAL NUMBER       | C6611443            |           |         |
| LOG-IN DATE         | 9-2-03              |           |         |
| INSPECT AND VERIFY: |                     |           |         |
| OPERATION #         | OPERATION NAME      | DATE      | INITIAL |
| 550                 | DIS-ASSEMBLE GUN    | 9-2-03    | RW      |
| 560 A               | RE-BARREL           | 9-4-03    | RTL     |
| B                   | DRILL AND TAP       | 9-5-03    | TRW     |
| 575                 | ASSEMBLE            | 9-4-03    | RTL     |
| 600                 | PROOF               | 9-4-03    | AC      |
| 605                 | CHECK HEADSPACE     | 9-4-03    | AC      |
| 610                 | DIS-ASSEMBLE GUN    | 9-5-03    | RTL     |
| 612                 | MAGNAFLUX OPERATOR  |           |         |
| 615                 | ROLLMARK CALIBER    | 9-5-03    | RTL     |
| 618                 | ROTO-BLAST          | 9-10-03   | JAB     |
| 620                 | APPLY COATINGS      | 9-12      | TA      |
| 625 A               | FINAL ASSEMBLY      | 9-15-03   | RW      |
| B                   | TRIGGER PULL TEST   |           |         |
| C                   | SAFETY "ON" FORCE   |           |         |
| D                   | SAFETY "OFF" FORCE  |           |         |
| E                   | FIRING PIN INDENT   |           |         |
| 640                 | TARGET              | 9-17-03   | AC      |
| 655                 | FINAL INSPECT       | 9-23-03   | RL      |
| 660                 | PACK                | 9-23-03   | RA      |
|                     |                     |           |         |
|                     |                     |           |         |
|                     |                     |           |         |
|                     |                     |           |         |
|                     |                     |           |         |
|                     |                     | SHIP DATE |         |
|                     |                     |           |         |
|                     | QAR INSPECTION DATE |           |         |

|                                                                                                         |  |                                                                |                                                                                           |
|---------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Remington</b><br><small>REG. U.S. PAT. &amp; TM. OFF.</small>                                        |  | <b>DU PONT</b><br><small>REG. U.S. PAT. &amp; TM. OFF.</small> | VERY IMPORTANT:<br>Instruction Book<br>enclosed to assure<br>safe use of this<br>firearm. |
| <b>MODEL 700<sup>TM</sup> H24</b>                                                                       |  | <b>SERIAL NO.</b><br>C6611443                                  | <b>ORDER NO.</b><br><b>5716</b>                                                           |
| <small>MADE IN LION, N.Y. U.S.A. Reg. U.S. Pat. &amp; Tm. Off, Marca Registrada Marque Deposee.</small> |  | 46                                                             |                                                                                           |



5716 C6611443

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6611443

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 3/18/91 | KH   |
| 600          | Proof                                                          |          | 3/18/91 | KH   |
| 607          | Check Headspace                                                |          | 3/18/91 | KH   |
| 610          | Dis-assemble Gun                                               |          | 3/18/91 | KH   |
| 612          | Magnaflux Barrel<br>Action                                     |          | 3/28/91 | KR   |
|              | Magnaflux Bolt                                                 |          | "       | KR   |
| 615          | Rollmark Caliber                                               |          | "       | GL   |
| 617          | Drill and Tap Sight Holes                                      | APR      | 3 1991  | LB   |
| 618          | Polish Barrel                                                  | APR      | 3 1991  | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 4/9/91  | AS   |
|              | Apply Coating (Bolt)                                           |          |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 4/30/91 | KS   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 4/30/91 | KS   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 4/30/91 | KS   |
|              | D) Oil Firing Pin Ass'y                                        |          | 4/30/91 | KS   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 5/6/91  | SH   |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 7        | 7    | 7    |      |      | 5/6/91  | SL   |
|              | G) Safety Off Force                                         | 4        | 4    | 4    |      |      | 5/6/91  | SL   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 5/6/91  | SL   |
|              | I) Firing Pin Indent                                        | .023     | .023 | .023 |      |      | 5/6/91  | SL   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 5/6/91  | KS   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 5-9-91  | AC   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 5/6/91  | KS   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 5/6/91  | KS   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 5/6/91  | KS   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 5/6/91  | KS   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 5/6/91  | KS   |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 5/6/91  | KT   |
|              | A) Time                                                     |          |      |      |      |      |         | KT   |
|              | B) Malfunctions                                             |          |      |      |      |      |         | KT   |
|              | C) Pierced Primers                                          |          |      |      |      |      |         | KT   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      |         | KT   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 5/6/91  | KT   |
| 655          | Final Inspection                                            |          |      |      |      |      |         |      |
|              | A) Headspace                                                |          |      |      |      |      | 5-9-91  | AC   |
|              | B) Trigger Pull                                             | 2.19     | 2.15 | 2.17 | 2.18 | 2.24 | 5/9/91  | SL   |
|              | C) Function                                                 |          |      |      |      |      | 5-9-91  | AC   |
| 660          | Pack                                                        |          |      |      |      |      | 6-18-91 | VF   |

SWS. TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#  
3.00# ± .75#  
4.00# ± 1.00#

SERIAL NO. C661144 3.11.05

DATE, 5/6/91

TESTER USC/SP1T (P  
YIK/BLN/STEN

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS (I       |
|---------|------------------|--------------------------|--------------------------------|------|-------------------|
| PULL #1 | 2.59             | 2.26                     | 2.18                           | 2.19 | MIN. SETTING,     |
| PULL #2 | 2.28             | 2.12                     | 2.22                           | 2.15 | NO AVG. OF 5      |
| PULL #3 | 2.22             | 2.13                     | 2.15                           | 2.17 | READINGS (ACCEPT- |
| PULL #4 | 2.29             | 2.14                     | 2.17                           | 2.18 | ABLE LESS THAN 2# |
| PULL #5 | 2.18             | 2.13                     | 2.20                           | 2.24 | 2.20 (1           |
| TOTAL   |                  |                          |                                |      |                   |
| AVG.    |                  |                          |                                |      |                   |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.26             | 3.28                     |  |          |
| PULL #2 | 3.42             | 3.26                     |  |          |
| PULL #3 | 3.29             | 3.33                     |  |          |
| PULL #4 | 3.35             | 3.25                     |  |          |
| PULL #5 | 3.35             | 3.29                     |  |          |
| TOTAL   |                  |                          |  |          |
| AVG.    |                  |                          |  |          |

|         | 4.00#<br>INITIAL | 4.00# AFTER<br>20 CYCLES | MAX SETTING<br>GREATER THAN 4# | RESET TO 4# FOR<br>TARGET & ACCURACY |
|---------|------------------|--------------------------|--------------------------------|--------------------------------------|
| PULL #1 | 4.44             | 4.48                     |                                | 4.60                                 |
| PULL #2 | 4.41             | 4.55                     |                                | 4.37                                 |
| PULL #3 | 4.41             | 4.56                     |                                | 4.23                                 |
| PULL #4 | 4.43             | 4.25                     |                                | 4.23                                 |
| PULL #5 | 4.46             | 4.54                     |                                | 4.26                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6611443  
6 May 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .186344 |
| 1 TO | 2 | .23288  |
| 1 TO | 3 | .257002 |
| 1 TO | 4 | .257752 |
| 1 TO | 5 | .518021 |

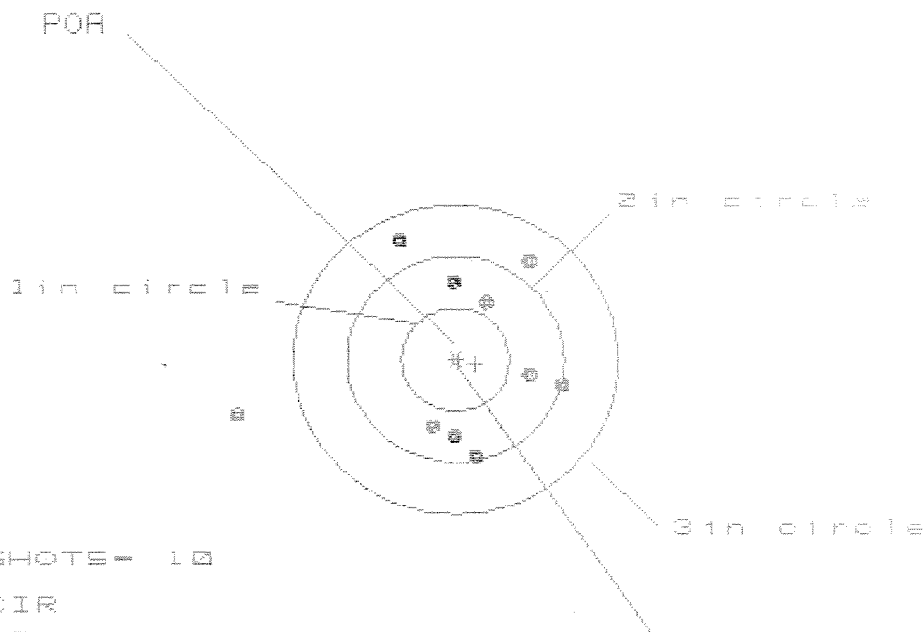
125 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0358  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0608  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0705569  
THE AMP FOR THIS RIFLE IS: .9886

6 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6611443

# CENTERFIRE PATTERNS # 1



# OF SHOTS - 10

# IN CIR

1 in = 8

2 in = 6

3 in = 9

HS = 3.044

VS = 2.130

GS = 3.125

CENTROID \*

| PATTERN #                     | 1      | 2      | 3     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | 1.024  | .800   | .710  |
| MINIMUM X                     | -2.020 | -.718  | -.562 |
| MAXIMUM Y                     | 1.166  | 1.102  | .986  |
| MINIMUM Y                     | -.964  | -1.028 | -.890 |
| CENTROID X                    | -.182  | .042   | .132  |
| CENTROID Y                    | .040   | .104   | -.034 |
| POA TO CENTROID in.           | .187   | .112   | .136  |
| MIN RADIUS                    | .650   | .480   | .355  |
| MEAN RADIUS                   | 1.012  | .854   | .777  |
| MAX RADIUS                    | 2.099  | 1.316  | 1.070 |
| HORIZONTAL SPREAD             | 3.044  | 1.518  | 1.272 |
| VERTICAL SPREAD               | 2.130  | 2.130  | 1.876 |
| EXTREME SPREAD                | 3.125  | 2.226  | 1.962 |
| NUMBER IN ONE INCH CIRCLE =   | 8      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 9      |        |       |

6 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8811443

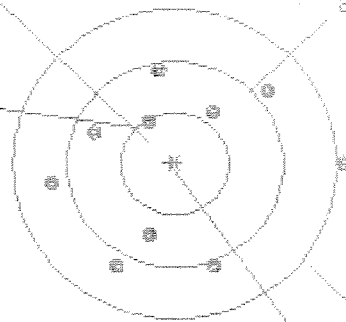
# CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle



# OF SHOTS- 10

# IN CIR

1in = 0

2in = 5

3in = 5

CENTROID \*

HS= 2.746

VS= 1.951

GS= 2.752

PATTERN #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.585  | 1.010  | .896   |
| MINIMUM X                   | : | -1.161 | -.984  | -.686  |
| MAXIMUM Y                   | : | .945   | .947   | .926   |
| MINIMUM Y                   | : | -1.006 | -1.004 | -1.025 |
| CENTROID X                  | : | .045   | -.132  | -.008  |
| CENTROID Y                  | : | -.012  | -.014  | .007   |
| POA TO CENTROID (in.)       | : | .046   | .132   | .011   |
| MIN RADIUS                  | : | .518   | .460   | .477   |
| MEAN RADIUS                 | : | .973   | .884   | .866   |
| MAX RADIUS                  | : | 1.586  | 1.229  | 1.134  |
| HORIZONTAL SPREAD           | : | 2.746  | 1.994  | 1.573  |
| VERTICAL SPREAD             | : | 1.951  | 1.951  | 1.951  |
| EXTREME SPREAD              | : | 2.752  | 2.192  | 2.192  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

6 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/CS611443

# CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

# OF SHOTS - 10

# IN CIR

1 in - 1

2 in - 4

3 in - 6

HS = 2.990

VS = 3.765

GS = 3.952

CENTROID \*

PATTERN #

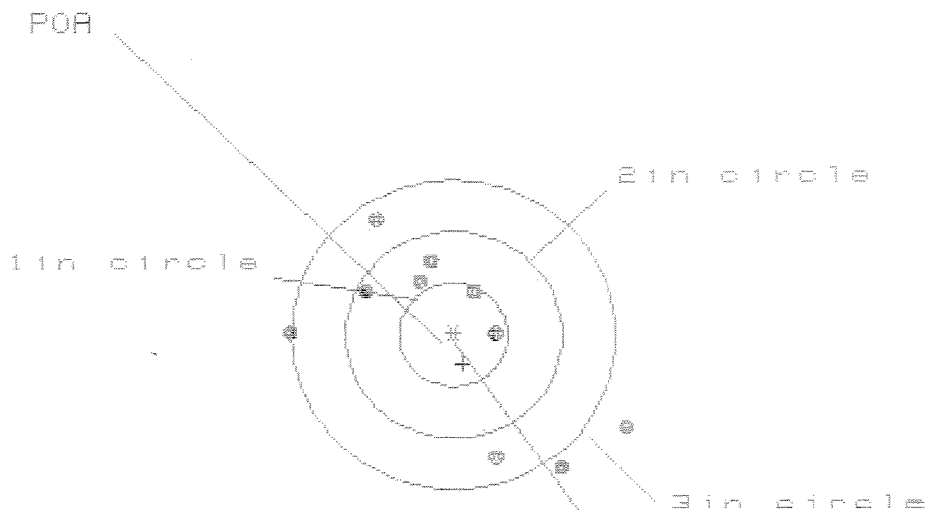
3

| SHOTS (BEST OF)               | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| MAXIMUM X                     | 1.513  | 1.409  | 1.430  |
| MINIMUM X                     | -1.477 | -1.591 | -1.560 |
| MAXIMUM Y                     | 1.932  | 1.729  | .699   |
| MINIMUM Y                     | -1.833 | -1.055 | -.839  |
| CENTROID X                    | .075   | .179   | .158   |
| CENTROID Y                    | .041   | .244   | .028   |
| POA TO CENTROID in.           | .085   | .303   | .161   |
| MIN RADIUS                    | .403   | .392   | .319   |
| MEAN RADIUS                   | 1.165  | 1.043  | .942   |
| MAX RADIUS                    | 2.057  | 1.736  | 1.586  |
| HORIZONTAL SPREAD             | 2.990  | 2.990  | 2.990  |
| VERTICAL SPREAD               | 3.765  | 2.784  | 1.538  |
| EXTREME SPREAD                | 3.952  | 3.092  | 3.092  |
| NUMBER IN ONE INCH CIRCLE =   |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 6      |        |

6 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8511443

# CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1in - 1

2in - 5

3in - 7

HS= 3.159

VS= 2.348

GS= 3.292

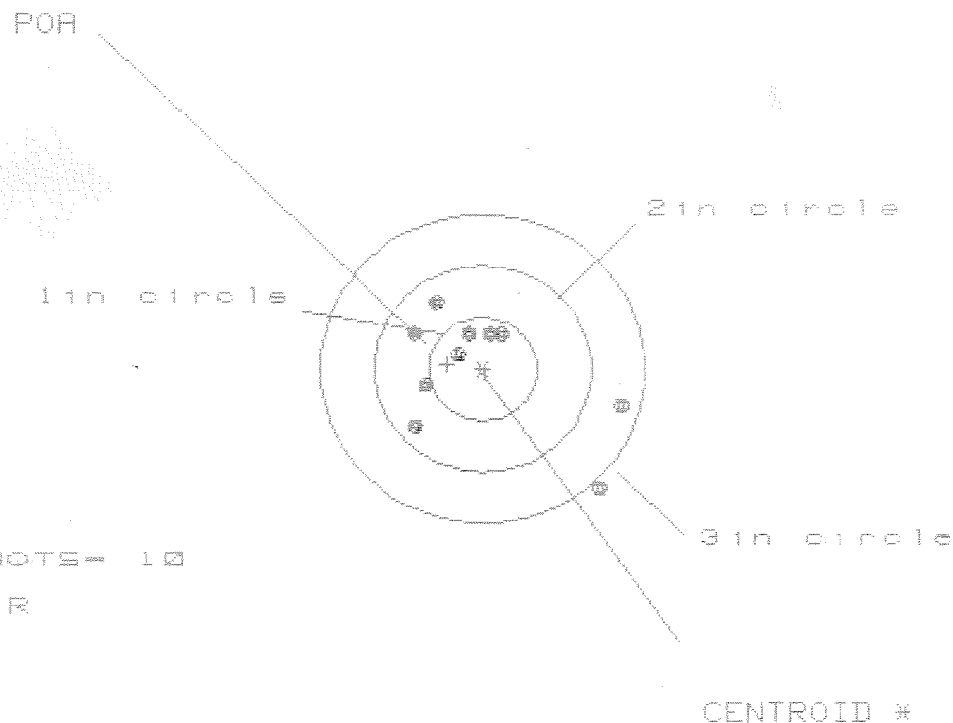
CENTROID \*

| PATTERN #                   | : | 10     | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.614  | 1.194  | .736   |
| MINIMUM X                   | : | -1.545 | -1.365 | -1.216 |
| MAXIMUM Y                   | : | 1.109  | 1.007  | .841   |
| MINIMUM Y                   | : | -1.230 | -1.333 | -1.450 |
| CENTROID X                  | : | -.088  | -.268  | -.417  |
| CENTROID Y                  | : | .280   | .383   | .549   |
| POA TO CENTROID in.         | : | .294   | .467   | .690   |
| MIN RADIUS                  | : | .411   | .445   | .242   |
| MEAN RADIUS                 | : | 1.078  | .957   | .795   |
| MAX RADIUS                  | : | 1.858  | 1.789  | 1.602  |
| HORIZONTAL SPREAD           | : | 3.159  | 2.559  | 1.952  |
| VERTICAL SPREAD             | : | 2.340  | 2.340  | 2.291  |
| EXTREME SPREAD              | : | 3.292  | 2.912  | 2.529  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

6 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/06611443

# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in = 4

2in = 8

3in = 9

HS= 1.880

VS= 1.713

GS= 2.280

|                             |   |        |       |       |
|-----------------------------|---|--------|-------|-------|
| PATTERN #                   | : | 5      |       |       |
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | 1.230  | 1.351 | .494  |
| MINIMUM X                   | : | -.650  | -.529 | -.361 |
| MAXIMUM Y                   | : | .608   | .485  | .419  |
| MINIMUM Y                   | : | -1.105 | -.675 | -.741 |
| CENTROID X                  | : | .329   | .208  | .040  |
| CENTROID Y                  | : | -.045  | .078  | .144  |
| POR TO CENTROID in.         | : | .332   | .223  | .149  |
| MIN RADIUS                  | : | .244   | .088  | .101  |
| MEAN RADIUS                 | : | .715   | .553  | .416  |
| MAX RADIUS                  | : | 1.548  | 1.448 | .824  |
| HORIZONTAL SPREAD           | : | 1.880  | 1.880 | .855  |
| VERTICAL SPREAD             | : | 1.713  | 1.160 | 1.160 |
| EXTREME SPREAD              | : | 2.280  | 2.028 | 1.257 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 4     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 8     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9     |       |

# RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER  
R 94-18363

|                                                         |                    |                                            |               |                   |                 |
|---------------------------------------------------------|--------------------|--------------------------------------------|---------------|-------------------|-----------------|
| INITIAL                                                 | CUSTOMER ORDER NO. | W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT |               |                   |                 |
| FDC                                                     | DAAA09-92-C-0834   | ATTN: FRED MARTIN <i>SCOPE 91-0062</i>     |               |                   |                 |
| DATE RECEIVED                                           | DATE OPENED        | DATE CODE                                  | SERIAL NUMBER | NEW SERIAL NUMBER | MODEL AND GRADE |
| 06/11/94                                                | 06/11/94           |                                            | C6611443      |                   | 700 7.62 NATO   |
| ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE |                    |                                            |               |                   |                 |

FROM: COMMANDER (W52H094138H226)  
DEFENSE DIST DEPOT ANNISTON  
ATTN DDAA-UR BLDG 112  
ANNISTON AL 36201-5025

SHIP TO: COMMANDER (W52H094138H226)  
DEFENSE DIST DEPOT ANNISTON  
ATTN DDAA-UR BLDG 112  
ANNISTON AL 36201-5025

CUST NO: 098397 C.D.D L

|                                       |                    |                                |               |           |         |
|---------------------------------------|--------------------|--------------------------------|---------------|-----------|---------|
| ACCOUNT NUMBER                        | ACCOUNT NUMBER N/C | WRITE <input type="checkbox"/> | PROM. DATE    | ESTIMATED | VIA FRT |
| GUN CONDITION                         |                    |                                | REPAIR CHARGE |           |         |
| <input type="checkbox"/> NEW          |                    |                                | EXCISE        |           |         |
| <input type="checkbox"/> LIGHTLY WORN |                    |                                | TAX           |           |         |
| <input type="checkbox"/> WORN         |                    |                                | INSURANCE     |           |         |
| <input type="checkbox"/> VERY WORN    |                    |                                | UPS           |           |         |
| <input type="checkbox"/> UNREPAIRABLE |                    |                                | PARCEL POST   |           |         |
| <input type="checkbox"/> MARRED       |                    |                                | TOTAL         |           |         |

| CUSTOMER CONCERN | AMMO | FUNCTION | FINISH | ACCURACY | FIT | INSPECT |
|------------------|------|----------|--------|----------|-----|---------|
| CYCLE            | A1   | B1       |        |          |     |         |
| TRIGGER GROUP    |      | B2       |        |          | E1  | F1      |
| BOLT ASSY.       |      | B3       |        |          | E2  | F2      |
| BARREL ASSY.     |      | B4       |        | D1       | E3  | F3      |
| REC. ASSY.       |      | B5       |        | D2       | E4  | F4      |
| WOOD             |      |          | C1     | D3       | E5  | F5      |
| METAL            |      |          | C2     |          |     |         |

## MAIN FAULT

|                          |          |
|--------------------------|----------|
| PARTS                    | COMMENTS |
| Trigger Assy 173.31      |          |
| Front Sight Assy 56.95   |          |
| Rear Sight Assy 231.01   |          |
| Inspect/Test/Clean 30.00 |          |
| 511.07                   |          |
| REPAIRMAN                | PROOF    |
| GALLERY TESTER           | DATE     |
| CLEAN                    | DATE     |
| TEST                     | DATE     |
| TARGET                   | DATE     |
| PATTERN                  | DATE     |

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

M2400077003

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS  
2.50# ± .50#  
3.00# ± .75#  
4.00# ± 1.00#

SERIAL NO. C6611443

DATE 2-23-96

TESTER DA

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------------------------------------------------------------------------|
| PULL #1 | 2.53             | 2.40                     | 2.51                           | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.61             | 2.20                     | 2.46                           |                                                                        |
| PULL #3 | 2.53             | 2.11                     | 2.53                           |                                                                        |
| PULL #4 | 2.53             | 2.43                     | 2.48                           |                                                                        |
| PULL #5 | 2.46             | 2.38                     | 2.42                           |                                                                        |
| TOTAL   | 12.66            | 11.54                    | 12.40                          |                                                                        |
| AVG.    | 2.53             | 2.30                     | 2.48                           |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES | COMMENTS |
|---------|------------------|--------------------------|----------|
| PULL #1 | 3.01             | 3.13                     |          |
| PULL #2 | 3.19             | 3.02                     |          |
| PULL #3 | 3.07             | 3.09                     |          |
| PULL #4 | 3.11             | 3.11                     |          |
| PULL #5 | 3.16             | 3.03                     |          |
| TOTAL   | 15.54            | 15.38                    |          |
| AVG.    | 3.10             | 3.07                     |          |

|         | 4.00#<br>INITIAL | 4.00# AFTER<br>20 CYCLES | MAX SETTING<br>GREATER THAN 4# | RESET TO 4# FOR<br>TARGET & ACCURACY |
|---------|------------------|--------------------------|--------------------------------|--------------------------------------|
| PULL #1 | 4.18             | 4.13                     |                                | 4.38                                 |
| PULL #2 | 4.12             | 4.12                     |                                | 4.32                                 |
| PULL #3 | 4.13             | 4.15                     |                                | 4.37                                 |
| PULL #4 | 4.19             | 4.19                     |                                | 4.14                                 |
| PULL #5 | 4.16             | 4.16                     |                                | 4.15                                 |
| TOTAL   | 20.64            | 20.75                    |                                | 21.36                                |
| AVG.    | 4.12             | 4.15                     |                                | 4.27                                 |

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611443

| OP. #        | OP. NAME                                                       | READINGS | DATE | INITIAL |
|--------------|----------------------------------------------------------------|----------|------|---------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          |      |         |
| 600          | Proof                                                          |          |      |         |
| 607.         | Check Headspace                                                |          |      |         |
| 610          | Dis-assemble Gun                                               |          |      |         |
| 612          | Magnaflux Barrel<br>Action                                     |          |      |         |
|              | Magnaflux Bolt                                                 |          |      |         |
| 615          | Rollmark Caliber                                               |          |      |         |
| 617          | Drill and Tap Sight Holes                                      |          |      |         |
| 618          | Polish Barrel                                                  |          |      |         |
| 620          | Apply Coatings<br>(Barrel Action)                              |          |      |         |
|              | Apply Coating (Bolt)                                           |          |      |         |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          |      |         |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          |      |         |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          |      |         |
|              | D) Oil Firing Pin Ass'y                                        |          |      |         |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          |      |         |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE   | INIT          |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|--------|---------------|
| 625<br>cont. | F) Safety On Force                                          | 6        | 6    | 6    |      |      | 3/7    | <del>AL</del> |
|              | G) Safety Off Force                                         | 3        | 3    | 3    |      |      | 3/7    | AL            |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      |        |               |
|              | I) Firing Pin Indent                                        |          |      |      |      |      |        |               |
|              | J) Assemble Stock                                           |          |      |      |      |      |        |               |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      |        |               |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      |        |               |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      |        |               |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      |        |               |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      |        |               |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      |        |               |
| 640          | Gallery Target & Test                                       |          |      |      |      |      |        |               |
|              | A) Time                                                     |          |      |      |      |      |        |               |
|              | B) Malfunctions                                             |          |      |      |      |      |        |               |
|              | C) Pierced Primers                                          |          |      |      |      |      |        |               |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      |        |               |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      |        |               |
| 655          | Final Inspection                                            |          |      |      |      |      |        |               |
|              | A) Headspace                                                |          |      |      |      |      |        |               |
|              | B) Trigger Pull                                             | 2.79     | 2.75 | 2.75 | 2.81 | 2.72 | 3/7/96 | WB            |
|              | C) Function                                                 |          |      |      |      |      |        |               |
| 660          | Pack                                                        |          |      |      |      |      |        |               |