

C6225270

MODEL 700<sup>TM</sup> M24

Model **SMS** <sup>TM</sup>

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



start 2 Mon 5 Mon Tap Bl Arms S... Part S... 4554 NE 37 12:46 PM

Serial Number: C6225270

Model: 700



RE00071779

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225270.\_\_\_0  
FILE DATE AND TIME: 11/14/2003 13:16

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:              | 0.104  |
| The Average Point of Impact of the Five Target Set:         | 0.124  |
| The Average Mean Radius of the Five Target Set:             | 0.688  |
| The Distance from POA to Centroid Target #1:                | 0.364  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.397  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.363  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.128  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.381  |

SERIAL NUMBER: C6225270. \_\_0

TARGET NUMBER: 1

FILE DATE: 11/14/2003

FILE TIME: 13:16

X CENTROID: -0.271

Y CENTROID: 0.243

POA TO CENTROID: 0.364

HORZ SPREAD: 2.354

VERT SPREAD: 3.762

GROUP SPREAD: 4.288

MIN RADIUS: 0.229

MAX RADIUS: 2.773

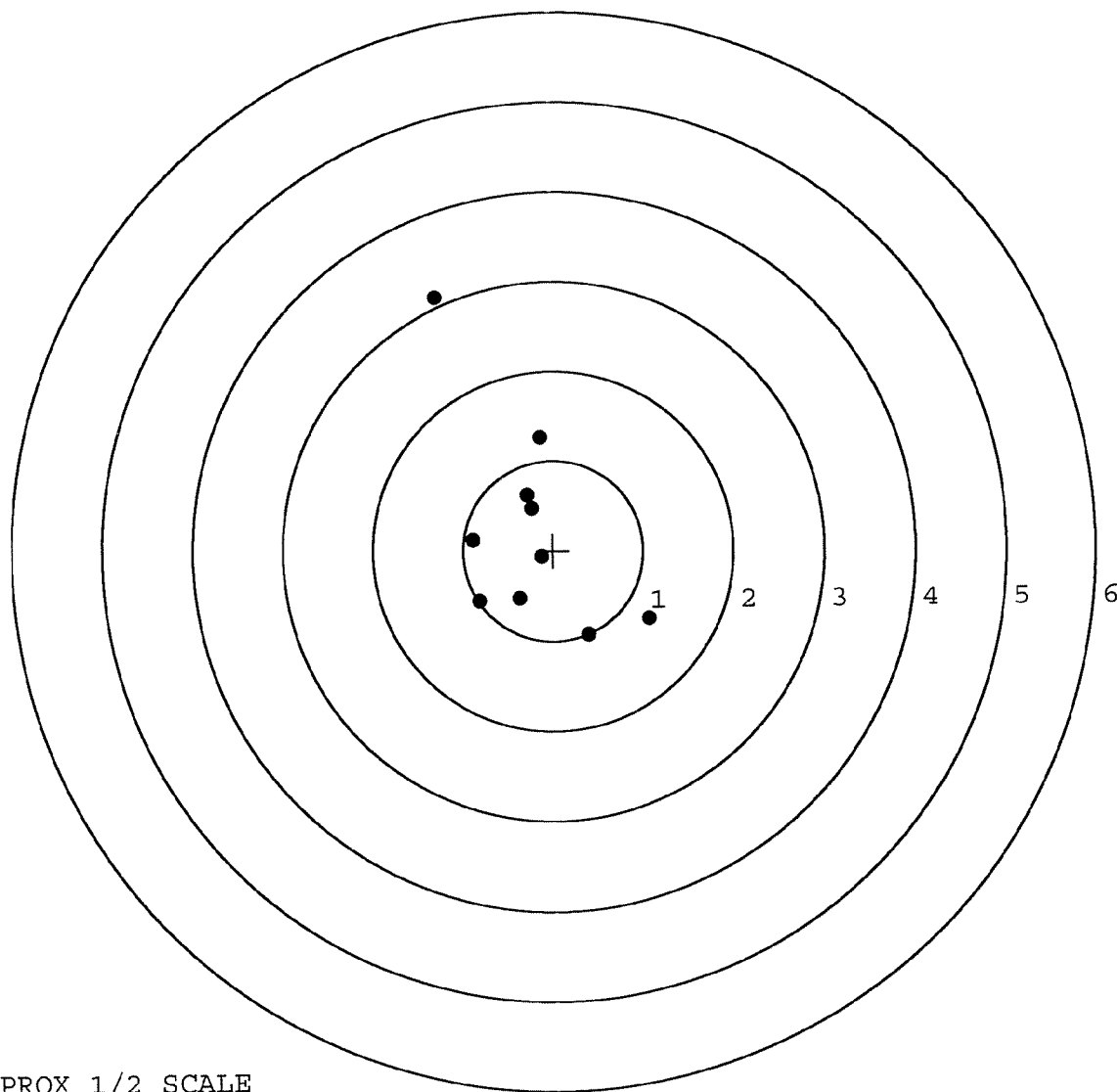
MEAN RADIUS: 1.015

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 6

# in 3 IN DIAMETER: 8

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -1.288 | 2.823  |
| 2:     | -0.134 | 1.259  |
| 3:     | -0.235 | 0.469  |
| 4:     | -0.888 | 0.126  |
| 5:     | -0.824 | -0.554 |
| 6:     | -0.375 | -0.533 |
| 7:     | 0.388  | -0.939 |
| 8:     | 1.066  | -0.761 |
| 9:     | -0.286 | 0.614  |
| 10:    | -0.131 | -0.073 |

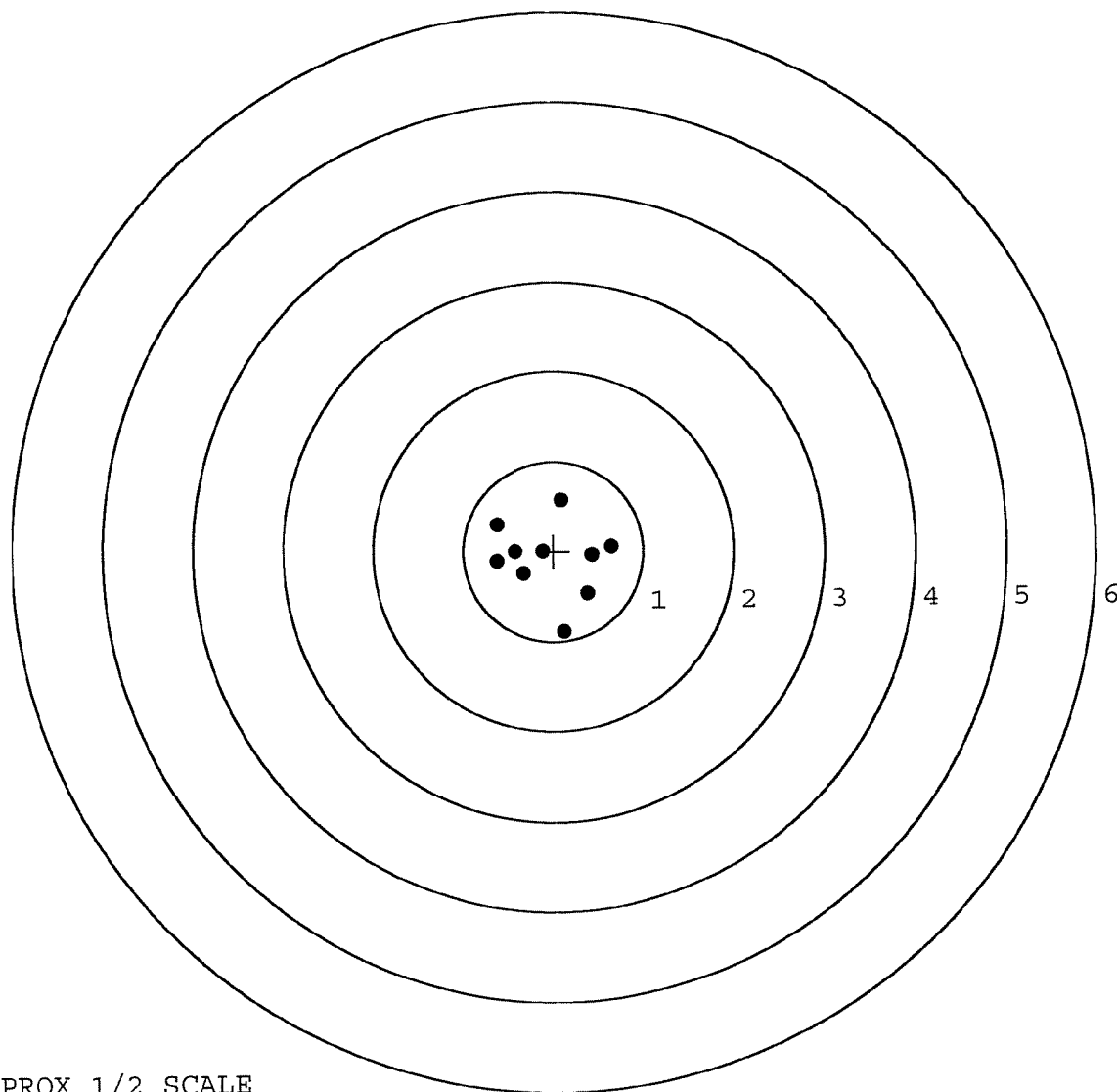


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225270. \_\_0  
 TARGET NUMBER: 2  
 FILE DATE: 11/14/2003  
 FILE TIME: 13:16

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.089  | 0.568  |
| 2:     | 0.646  | 0.050  |
| 3:     | 0.429  | -0.046 |
| 4:     | 0.375  | -0.473 |
| 5:     | 0.116  | -0.899 |
| 6:     | -0.625 | 0.302  |
| 7:     | -0.629 | -0.111 |
| 8:     | -0.336 | -0.251 |
| 9:     | -0.125 | 0.000  |
| 10:    | -0.427 | 0.003  |

X CENTROID: -0.049  
 Y CENTROID: -0.086  
 POA TO CENTROID: 0.099  
 HORZ SPREAD: 1.275  
 VERT SPREAD: 1.467  
 GROUP SPREAD: 1.467  
 MIN RADIUS: 0.115  
 MAX RADIUS: 0.830  
 MEAN RADIUS: 0.537  
 # IN 1 IN DIAMETER: 4  
 # IN 2 IN DIAMETER: 10  
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225270. \_\_0

TARGET NUMBER: 3

FILE DATE: 11/14/2003

FILE TIME: 13:16

X CENTROID: 0.062

Y CENTROID: 0.098

POA TO CENTROID: 0.116

HORZ SPREAD: 1.590

VERT SPREAD: 1.037

GROUP SPREAD: 1.898

MIN RADIUS: 0.120

MAX RADIUS: 1.170

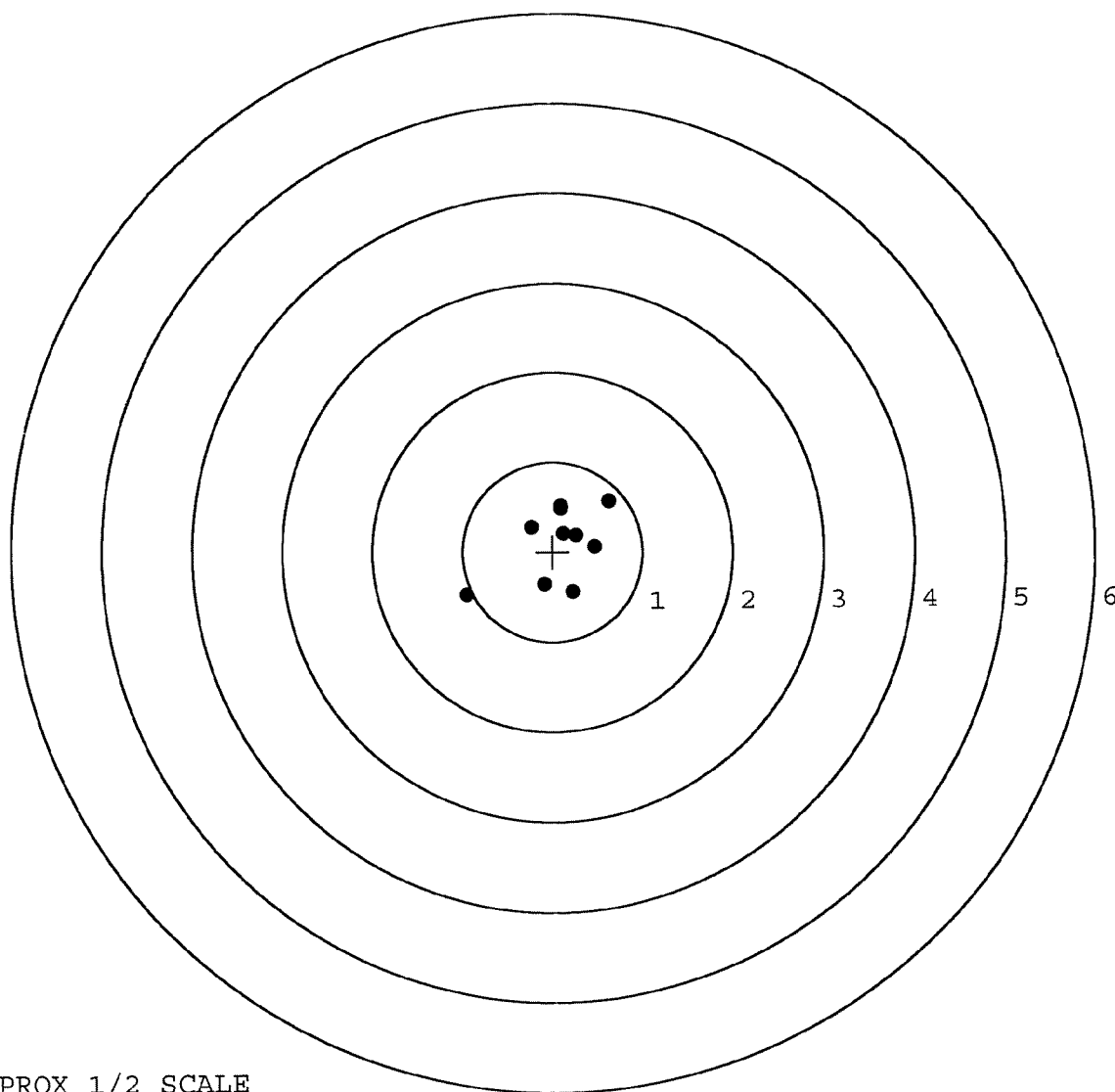
MEAN RADIUS: 0.486

# IN 1 IN DIAMETER: 7

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.633  | 0.561  |
| 2:     | 0.094  | 0.512  |
| 3:     | -0.235 | 0.274  |
| 4:     | 0.473  | 0.059  |
| 5:     | 0.266  | 0.183  |
| 6:     | 0.221  | -0.451 |
| 7:     | -0.096 | -0.363 |
| 8:     | -0.957 | -0.476 |
| 9:     | 0.121  | 0.203  |
| 10:    | 0.098  | 0.482  |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225270. 0

TARGET NUMBER: 4

FILE DATE: 11/14/2003

FILE TIME: 13:16

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.095 | 1.601  |
| 2:     | -0.017 | 0.802  |
| 3:     | 0.612  | 0.494  |
| 4:     | -0.680 | 0.426  |
| 5:     | -0.945 | 0.372  |
| 6:     | -0.276 | -0.030 |
| 7:     | 0.141  | -0.347 |
| 8:     | 0.099  | -0.436 |
| 9:     | 0.002  | -0.584 |
| 10:    | -0.370 | -0.373 |

X CENTROID: -0.153

Y CENTROID: 0.193

POA TO CENTROID: 0.246

HORZ SPREAD: 1.557

VERT SPREAD: 2.185

GROUP SPREAD: 2.187

MIN RADIUS: 0.254

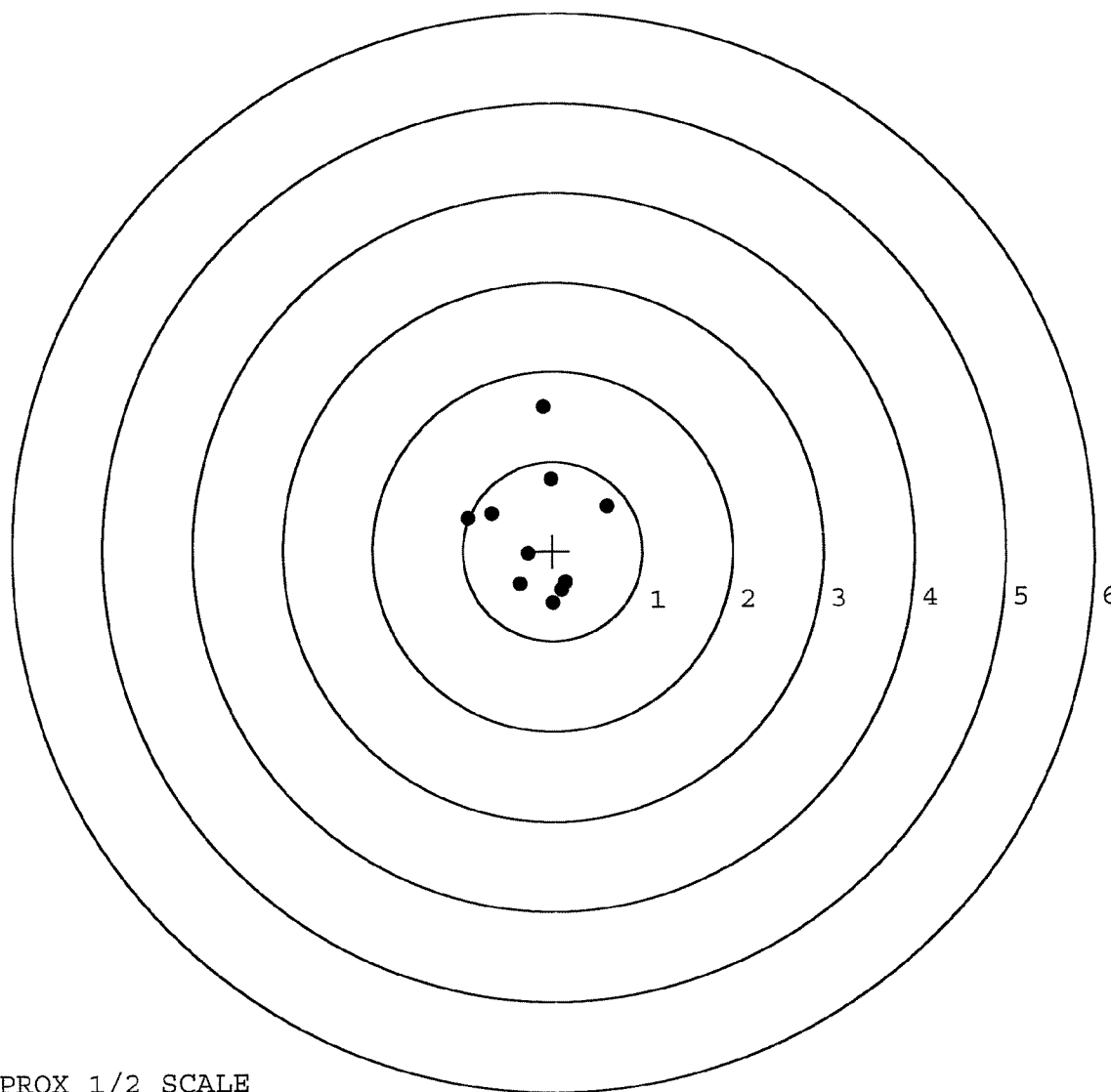
MAX RADIUS: 1.410

MEAN RADIUS: 0.719

# IN 1 IN DIAMETER: 1

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10

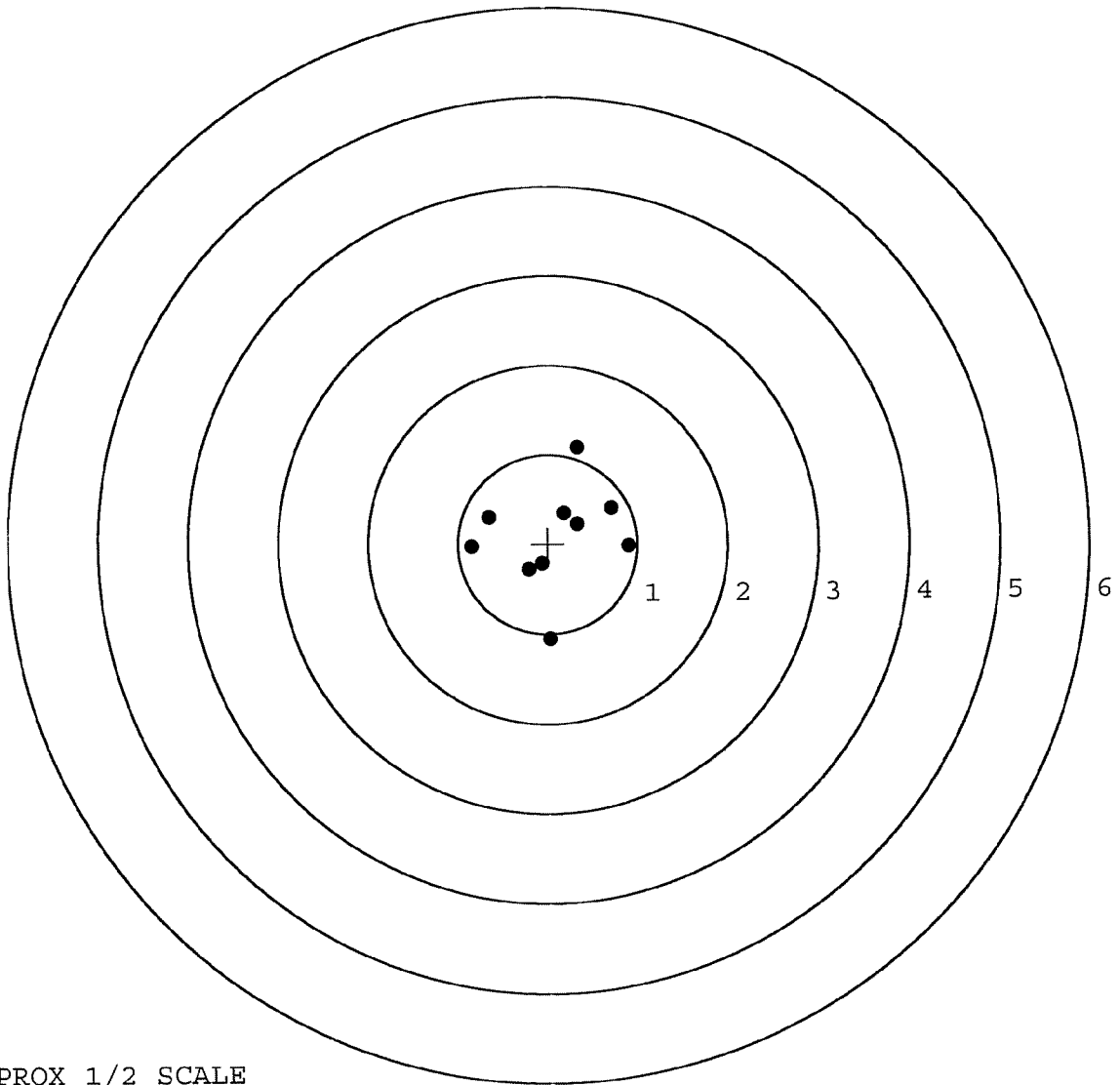


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225270. \_\_0  
 TARGET NUMBER: 5  
 FILE DATE: 11/14/2003  
 FILE TIME: 13:16

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.334  | 1.079  |
| 2:     | -0.656 | 0.306  |
| 3:     | -0.851 | -0.031 |
| 4:     | 0.025  | -1.061 |
| 5:     | -0.073 | -0.222 |
| 6:     | -0.215 | -0.293 |
| 7:     | 0.906  | -0.033 |
| 8:     | 0.709  | 0.402  |
| 9:     | 0.328  | 0.226  |
| 10:    | 0.185  | 0.346  |

X CENTROID: 0.069  
 Y CENTROID: 0.072  
 POA TO CENTROID: 0.100  
 HORZ SPREAD: 1.757  
 VERT SPREAD: 2.140  
 GROUP SPREAD: 2.162  
 MIN RADIUS: 0.298  
 MAX RADIUS: 1.134  
 MEAN RADIUS: 0.681  
 # IN 1 IN DIAMETER: 4  
 # IN 2 IN DIAMETER: 8  
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

|                     |                     |           |         |
|---------------------|---------------------|-----------|---------|
| R & E NUMBER        | 071779              |           |         |
| SERIAL NUMBER       | C6225270            |           |         |
| LOG-IN DATE         | 10-27-03            |           |         |
| INSPECT AND VERIFY: |                     |           |         |
| OPERATION #         | OPERATION NAME      | DATE      | INITIAL |
| 550                 | DIS-ASSEMBLE GUN    | 10-27-03  | RW      |
| 560 A               | RE-BARREL           | 10-29-03  | RTL     |
| B                   | DRILL AND TAP       | 11-4-03   | TRW     |
| 575                 | ASSEMBLE            | 11-3-03   | RTL     |
| 600                 | PROOF               | 11-03-03  | AC      |
| 605                 | CHECK HEADSPACE     | 11-03-03  | AC      |
| 610                 | DIS-ASSEMBLE GUN    | 11-3-03   | RTL     |
| 612                 | MAGNAFLUX           |           |         |
| 615                 | ROLLMARK CALIBER    | 11-5-03   | AB      |
| 618                 | ROTO-BLAST          |           |         |
| 620                 | APPLY COATINGS      | 11-8      | TA      |
| 625 A               | FINAL ASSEMBLY      | 11/11/03  | RW      |
| B                   | TRIGGER PULL TEST   |           |         |
| C                   | SAFETY "ON" FORCE   |           |         |
| D                   | SAFETY "OFF" FORCE  |           |         |
| E                   | FIRING PIN INDENT   |           |         |
| 640                 | TARGET              | 11-14-03  | AC      |
| 655                 | FINAL INSPECT       | 12-15-03  | RR      |
| 660                 | PACK                | 12/16/03  | RA      |
|                     |                     |           |         |
|                     |                     |           |         |
|                     |                     |           |         |
|                     |                     |           |         |
|                     |                     |           |         |
|                     |                     | SHIP DATE |         |
|                     |                     |           |         |
|                     | QAR INSPECTION DATE |           |         |

ORDER  
R 96-16367

M-24 SNIPER

FROM: \_\_\_\_\_ SHIP TO: \_\_\_\_\_

DEPT OF THE ARMY  
C CO 3RD BN 1ST SFG (A)  
FORT LEWIS WA  
98433

ACCOUNT NUMBER N/C

WRITE

PROM. DATE

|           |  |
|-----------|--|
| ESTIMATED |  |
|-----------|--|

|     |
|-----|
| VIA |
|-----|

UP5

**GUN CONDITION**

☐ NEW  
☐ LIGHTLY WORN  
☐ WORN  
☐ VERY WORN  
☐ UNREPAIRABLE  
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

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

Barre / 96003

Refractor Coat - Trigger Guard  
Assy, Front & Rear Sight Bases  
Refractor Scope Base & Swivel  
Stud?

REPAIRMAN

PROOF

CLEAN

|      |
|------|
| TEST |
|------|

|        |
|--------|
| TARGET |
|--------|

PATTERN

GALLERY TESTER

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

|      |
|------|
| DATE |
|------|

DATE \_\_\_\_\_

OFFICE COPY

BD6925 REV. 1/94

BARBER - M24 004189911878

| EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |                                    |          |                 |                                                                                                                                                                                                                                                                                                                                                         |         |          |                             |                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------|----------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|-----------------------------|-----------------------|
| For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                                    |          |                 |                                                                                                                                                                                                                                                                                                                                                         |         |          |                             |                       |
| 1. ORGANIZATION<br>C 320 BN 1ST SFG(A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                                    |          |                 | 2. NOMENCLATURE AND MODEL<br>M24 SWS                                                                                                                                                                                                                                                                                                                    |         |          |                             |                       |
| 3. REGISTRATION/SERIAL/NSN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             | 4a. MILES                          | b. HOURS | c. ROUNDS FIRED | d. HOT STARTS                                                                                                                                                                                                                                                                                                                                           | 5. DATE |          | 6. TYPE INSPECTION          |                       |
| 7. APPLICABLE REFERENCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                                    |          |                 |                                                                                                                                                                                                                                                                                                                                                         |         |          |                             |                       |
| TM NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |                                    | TM DATE  |                 | TM NUMBER                                                                                                                                                                                                                                                                                                                                               |         |          | TM DATE                     |                       |
| COLUMN a — Enter TM item number.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |                                    |          |                 | COLUMN d — Show corrective action for deficiency or shortcoming listed in Column c.                                                                                                                                                                                                                                                                     |         |          |                             |                       |
| COLUMN b — Enter the applicable condition status symbol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |                                    |          |                 | COLUMN e — Individual ascertaining completed corrective action initial in this column.                                                                                                                                                                                                                                                                  |         |          |                             |                       |
| COLUMN c — Enter deficiencies and shortcomings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |                                    |          |                 |                                                                                                                                                                                                                                                                                                                                                         |         |          |                             |                       |
| STATUS SYMBOLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |                                    |          |                 |                                                                                                                                                                                                                                                                                                                                                         |         |          |                             |                       |
| <p>"X"—Indicates a deficiency in the equipment that places it in an inoperable status.</p> <p>CIRCLED "X"—Indicates a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until corrective action can be accomplished.</p> <p>HORIZONTAL DASH ("—")—Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished.</p> |             |                                    |          |                 | <p>DIAGONAL ("/)—Indicates a materiel defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable.</p> <p>LAST NAME INITIAL IN BLACK, BLUE-BLACK INK, OR PENCIL—Indicates that a completely satisfactory condition exists.</p> <p>FOR AIRCRAFT—Status symbols will be recorded in red.</p> |         |          |                             |                       |
| ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.                                                                                                                                                                                                                                                                                                                                                                      |             |                                    |          |                 |                                                                                                                                                                                                                                                                                                                                                         |         |          |                             |                       |
| 8a. SIGNATURE (Person(s) performing inspection)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |                                    | 8b. TIME |                 | 9a. SIGNATURE (Maintenance Supervisor)                                                                                                                                                                                                                                                                                                                  |         | 9b. TIME |                             | 10. MANHOURS REQUIRED |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |                                    |          |                 |                                                                                                                                                                                                                                                                                                                                                         |         |          |                             |                       |
| TM ITEM NO.<br>a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STATUS<br>b | DEFICIENCIES AND SHORTCOMINGS<br>c |          |                 | CORRECTIVE ACTION<br>d                                                                                                                                                                                                                                                                                                                                  |         |          | INITIAL WHEN CORRECTED<br>e |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | C6348730                           |          |                 | *EXCESS OF 10,000 RDS                                                                                                                                                                                                                                                                                                                                   |         |          |                             |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | C6225181                           |          |                 | PER GUN, EACH NEEDS                                                                                                                                                                                                                                                                                                                                     |         |          |                             |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | C6225524                           |          |                 | RE-BARRELING                                                                                                                                                                                                                                                                                                                                            |         |          |                             |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | C6348969                           |          |                 | T/I TRIGGERS/STOCKS                                                                                                                                                                                                                                                                                                                                     |         |          |                             |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | C6348954                           |          |                 | Rebore (cat) Trigger                                                                                                                                                                                                                                                                                                                                    |         |          |                             |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | C6225270                           |          |                 | *THOSE WEAPONS USED                                                                                                                                                                                                                                                                                                                                     |         |          |                             |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | C6225467                           |          |                 | REDING SCOPE BASE                                                                                                                                                                                                                                                                                                                                       |         |          |                             |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | C6348907                           |          |                 | SNIPER CLASS, SNIPER                                                                                                                                                                                                                                                                                                                                    |         |          |                             |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | C6225409                           |          |                 | COMMITTEE SAID THEY                                                                                                                                                                                                                                                                                                                                     |         |          |                             |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | C6348868                           |          |                 | NEED RE-BARRELING                                                                                                                                                                                                                                                                                                                                       |         |          |                             |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | C6225174                           |          |                 | DUE TO POOR SHOT PERFORMANCE                                                                                                                                                                                                                                                                                                                            |         |          |                             |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | C6348981                           |          |                 | *EXCESS RDS.                                                                                                                                                                                                                                                                                                                                            |         |          |                             |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |                                    |          |                 | *EACH WEAPON HAS A                                                                                                                                                                                                                                                                                                                                      |         |          |                             |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |                                    |          |                 | SCOPE MOUNT                                                                                                                                                                                                                                                                                                                                             |         |          |                             |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | P.O.C. SSG DELK                    |          |                 |                                                                                                                                                                                                                                                                                                                                                         |         |          |                             |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | 3RD BN 1ST SFG(A)                  |          |                 |                                                                                                                                                                                                                                                                                                                                                         |         |          |                             |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |                                    |          |                 | (206) 967-8813/8896                                                                                                                                                                                                                                                                                                                                     |         |          |                             |                       |

DA FORM 2404  
1 APR 79

Replaces edition of 1 Jan 64, which will be used

## Final Inspection

Sn: C6225270

DATE REC'D: 7/15/96

DATE RET'D:

AUDITOR: RW

## Item:

Barrel Assy.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

Scope Assy.

☐ Scope☐ Scope Rings☐ Mounting Screws☐ Mounting Base☐ Screws☐ Finish☐ Looseness☐ CLARITY

Misc.

☐ DD-250☐ BAR CODE☐ PACKAGING

## Item:

Stock Assy.

☒ Stock☒ Sling Swivel Studs☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

Systems Case

☐ Scope Case☐ Iron SIGHTS☐ Deployment Kit

Trigger

☒ SAFETY OPERATION☒ Set

Comments:

CONTRACT # DAAA21-87-C-0086

Barrel

GUN SERIAL # C6225270

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INITIAL |
|--------------|----------------------------------------------------------------|----------|---------|---------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 7/24/96 | RW      |
| 600          | Proof                                                          |          | 7/24/96 | RW      |
| 607          | Check Headspace                                                |          | 7/24/96 | RW      |
| 610          | Dis-assemble Gun                                               |          | 7/24/96 | RW      |
| 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. #        | BARBER - M24 0011843<br>OP. NAME                                  | READINGS | DATE | INIT |
|--------------|-------------------------------------------------------------------|----------|------|------|
| 625<br>cont. | F) Safety On Force                                                |          |      |      |
|              | G) Safety Off Force                                               |          |      |      |
|              | H) Trigger Pull Test &<br>Retainability                           |          |      |      |
|              | I) Firing Pin Indent                                              |          |      |      |
|              | J) Assemble Stock                                                 |          |      |      |
|              | K) Assemble Swivel Studs                                          |          |      |      |
|              | L) Attach Front and Rear<br>Sight Assemblies                      |          |      |      |
|              | M) Iron Sight Alignment                                           |          |      |      |
|              | N) Detach Front & Rear<br>Sights & place in<br>numbered container |          |      |      |
|              | O) Attach Scope to Rifle                                          |          |      |      |
|              | P) Detach & Attach Scope<br>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<br>A) Headspace                                  |          |      |      |
|              | B) Trigger Pull                                                   |          |      |      |
|              | C) Function                                                       |          |      |      |
| 660          | Pack                                                              |          |      |      |

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225270

| OP. #        | OP. NAME                                                       | READINGS                                                                                                    | DATE    | INIT |
|--------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>QUALITY<br/>AUDIT</b> </div> | 3 17 89 | RW   |
| 600          | Proof                                                          |                                                                                                             | 3 17 89 | RW   |
| 607          | Check Headspace                                                |                                                                                                             | 3 17 89 | RW   |
| 610          | Dis-assemble Gun                                               |                                                                                                             | 3 17 89 | RW   |
| 612          | Magnaflux Barrel<br>Action                                     |                                                                                                             | 3/21    | KCR  |
|              | Magnaflux Bolt                                                 |                                                                                                             | 3/21    | KCR  |
| 615          | Rollmark Caliber                                               |                                                                                                             | 3/21    | SL   |
| 617          | Drill and Tap Sight Holes                                      | 3 22                                                                                                        | 89      | FB   |
| 618          | Polish Barrel                                                  | 3 22                                                                                                        | 89      | BT.  |
| 620          | Apply Coatings<br>(Barrel Action)                              |                                                                                                             | 3/21/89 | ISA  |
|              | Apply Coating (Bolt)                                           |                                                                                                             |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |                                                                                                             | 4/4/89  | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |                                                                                                             | 4/4/89  | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |                                                                                                             | 4/4/89  | RW   |
|              | D) Oil Firing Pin Ass'y                                        |                                                                                                             | 4/4/89  | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |                                                                                                             | 4-6-89  | JH   |

| op. #        | BARBER - M24 0011845<br>OP. NAME                                  | READINGS |      |         | DATE        | INIT  |             |     |
|--------------|-------------------------------------------------------------------|----------|------|---------|-------------|-------|-------------|-----|
| 625<br>cont. | F) Safety On Force                                                | 3        | 3    | 3       | 4-6-89      | g4    |             |     |
|              | G) Safety Off Force                                               | 8        | 8    | 8       | 4-6-89      | g4    |             |     |
|              | H) Trigger Pull Test &<br>Retainability                           |          |      |         | 4-5-89      | g. 8. |             |     |
|              | I) Firing Pin Indent                                              | .022     | .022 | .022    | 4-6-89      | g4    |             |     |
|              | J) Assemble Stock                                                 |          |      |         | 4/17/89     | RW    |             |     |
|              | K) Assemble Swivel Studs                                          |          |      |         | 19 April 89 | g28   |             |     |
|              | L) Attach Front and Rear<br>Sight Assemblies                      |          |      |         | 4/17/89     | RW    |             |     |
|              | M) Iron Sight Alignment                                           |          |      |         | 4/17/89     | RW    |             |     |
|              | N) Detach Front & Rear<br>Sights & place in<br>numbered container |          |      |         | 4/17/89     | RW    |             |     |
|              | O) Attach Scope to Rifle                                          |          |      |         | 4/17/89     | g4    |             |     |
|              | P) Detach & Attach Scope<br>20 Times                              |          |      |         | 4/18/89     | g4    |             |     |
| 640          | Gallery Target & Test                                             | 69 R     | 84 L | 4/18/89 | DH          |       |             |     |
|              | A) Time                                                           |          |      | 4/18/89 | DH          |       |             |     |
|              | B) Malfunctions                                                   |          |      | 4/18/89 | DH          |       |             |     |
|              | C) Pierced Primers                                                |          |      | 4/18/89 | DH          |       |             |     |
|              | D) Optical Clarity of Scope                                       |          |      | 4/18/89 | DH          |       |             |     |
| 645          | Inspect for Live Ammo                                             |          |      | 4/18/89 | DH          |       |             |     |
| 655          | Final Inspection<br>A) Headspace                                  |          |      |         | 19 April 89 | g28   |             |     |
|              | B) Trigger Pull                                                   | 2.06     | 2.14 | 2.19    | 2.05        | 2.14  | 19 April 89 | g28 |
|              | C) Function                                                       |          |      |         |             |       | 19 April 89 | g28 |
| 660          | Pack                                                              |          |      |         |             |       | 27 June 89  | g28 |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6225270DATE 3-30-90TESTER 281

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |       | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-------|------------------------------------------------------------------------|
| PULL #1 | 2.33             | 2.36                     |                                | 2.35  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.32             | 2.37                     |                                | 2.33  |                                                                        |
| PULL #3 | 2.32             | 2.37                     |                                | 2.33  |                                                                        |
| PULL #4 | 2.35             | 2.35                     |                                | 2.29  |                                                                        |
| PULL #5 | 2.38             | 2.35                     |                                | 2.36  |                                                                        |
| TOTAL   | 11.70            | 11.80                    |                                | 11.66 |                                                                        |
| AVG.    | 2.34             | 2.36                     |                                | 2.332 |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.51             | 3.50                     |  |          |
| PULL #2 | 3.44             | 3.46                     |  |          |
| PULL #3 | 3.50             | 3.50                     |  |          |
| PULL #4 | 3.46             | 3.40                     |  |          |
| PULL #5 | 3.45             | 3.51                     |  |          |
| TOTAL   | 17.36            | 17.37                    |  |          |
| AVG.    | 3.472            | 3.474                    |  |          |

|         | 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 | 4.30             | 4.28                     |                                |                                      |
| PULL #2 | 4.33             | 4.30                     |                                |                                      |
| PULL #3 | 4.26             | 4.23                     |                                |                                      |
| PULL #4 | 4.27             | 4.40                     |                                |                                      |
| PULL #5 | 4.31             | 4.28                     |                                |                                      |
| TOTAL   | 21.47            | 21.49                    |                                |                                      |
| AVG.    | 4.294            | 4.298                    |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6225270  
19 Apr 1989

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .743501 |
| 1 TO | 2 | .370601 |
| 1 TO | 3 | .267226 |
| 1 TO | 4 | .345051 |
| 1 TO | 5 | .328938 |

+4J <----POA  
E

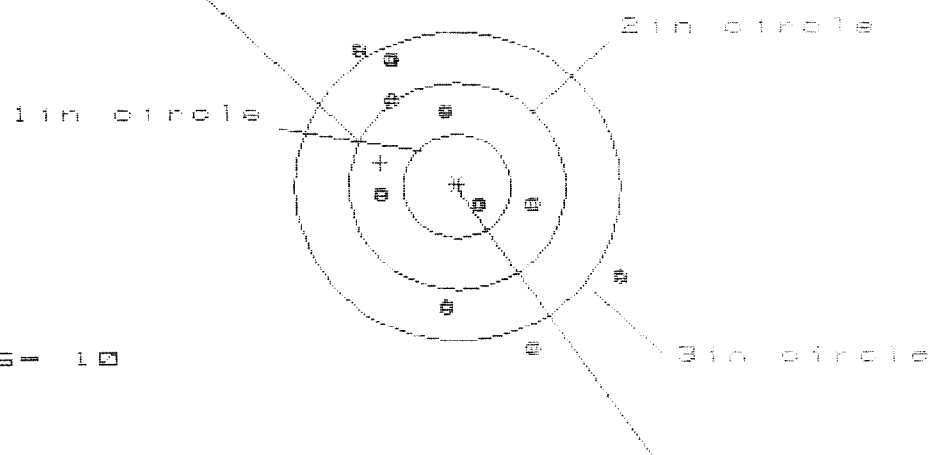
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5252  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.3488  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .630473  
THE AMR FOR THIS RIFLE IS: 1.08

19 Apr 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/09225270

## CENTERFIRE PATTERNS # 1

POA



# OF SHOTS= 10

# IN CIR

1in = 1

2in = 4

3in = 7

HS= 2.398

VS= 2.955

GS= 3.356

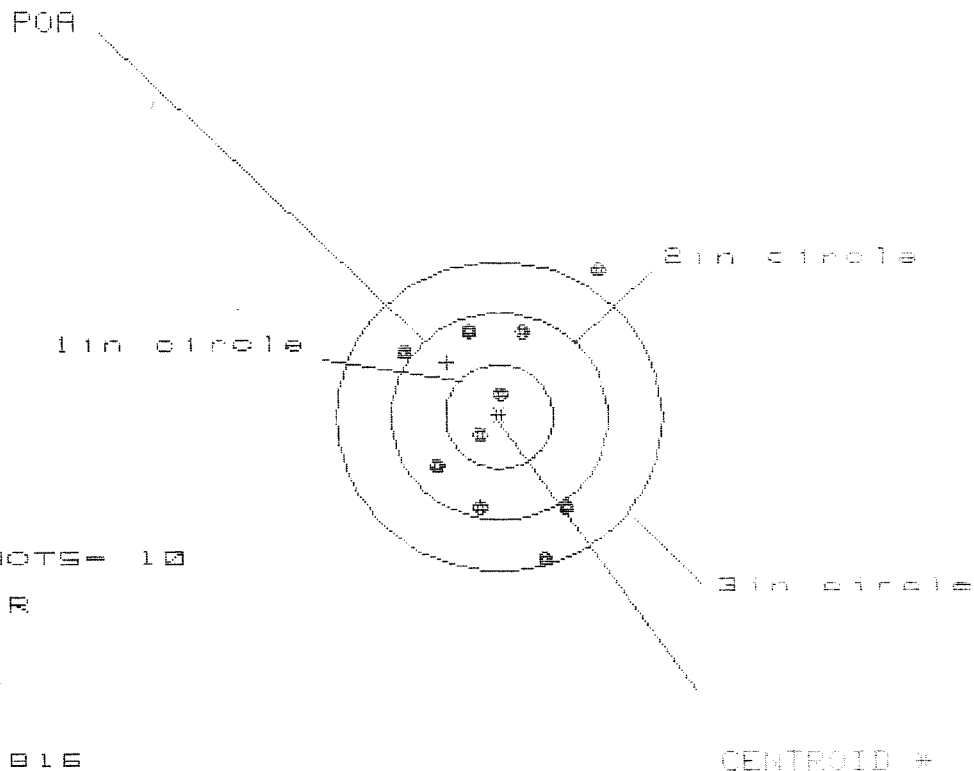
CENTROID #

| PATTERN #                   | : | 1      | 2      | 3      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.465  | 1.537  | 1.963  |
| MINIMUM X                   | : | -.934  | -.861  | -.668  |
| MAXIMUM Y                   | : | 1.341  | 1.162  | 1.034  |
| MINIMUM Y                   | : | -1.614 | -1.370 | -1.498 |
| CENTROID X                  | : | .708   | .635   | .442   |
| CENTROID Y                  | : | -.227  | -.048  | .080   |
| POA TO CENTROID in.         | : | .743   | .636   | .450   |
| MIN RADIUS                  | : | .239   | .429   | .437   |
| MEAN RADIUS                 | : | 1.098  | 1.012  | .878   |
| MAX RADIUS                  | : | 1.742  | 1.849  | 1.509  |
| HORIZONTAL SPREAD           | : | 2.398  | 2.398  | 1.631  |
| VERTICAL SPREAD             | : | 2.955  | 2.532  | 2.532  |
| EXTREME SPREAD              | : | 3.356  | 3.247  | 2.669  |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 4      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 7      |        |        |

19 Apr 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/C8225270

## CENTERFIRE PATTERNS # 2



# OF SHOTS= 10

# IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 1.816

VS= 2.767

GS= 2.814

| PATTERN #                   | : | 2      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | .898   | .760   | .821  |
| MINIMUM X                   | : | -.918  | -.818  | -.758 |
| MAXIMUM Y                   | : | 1.401  | .948   | .797  |
| MINIMUM Y                   | : | -1.366 | -1.210 | -.920 |
| CENTROID X                  | : | .485   | .385   | .325  |
| CENTROID Y                  | : | -.523  | -.679  | -.528 |
| POA TO CENTROID in.         | : | .714   | .781   | .620  |
| MIN RADIUS                  | : | .273   | .098   | .201  |
| MEAN RADIUS                 | : | .925   | .820   | .749  |
| MAX RADIUS                  | : | 1.664  | 1.304  | 1.217 |
| HORIZONTAL SPREAD           | : | 1.816  | 1.578  | 1.578 |
| VERTICAL SPREAD             | : | 2.767  | 2.158  | 1.717 |
| EXTREME SPREAD              | : | 2.814  | 2.384  | 2.199 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |       |

19 Apr 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/08225270

## CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 5

3 in = 6

HS= 2.790

VS= 2.906

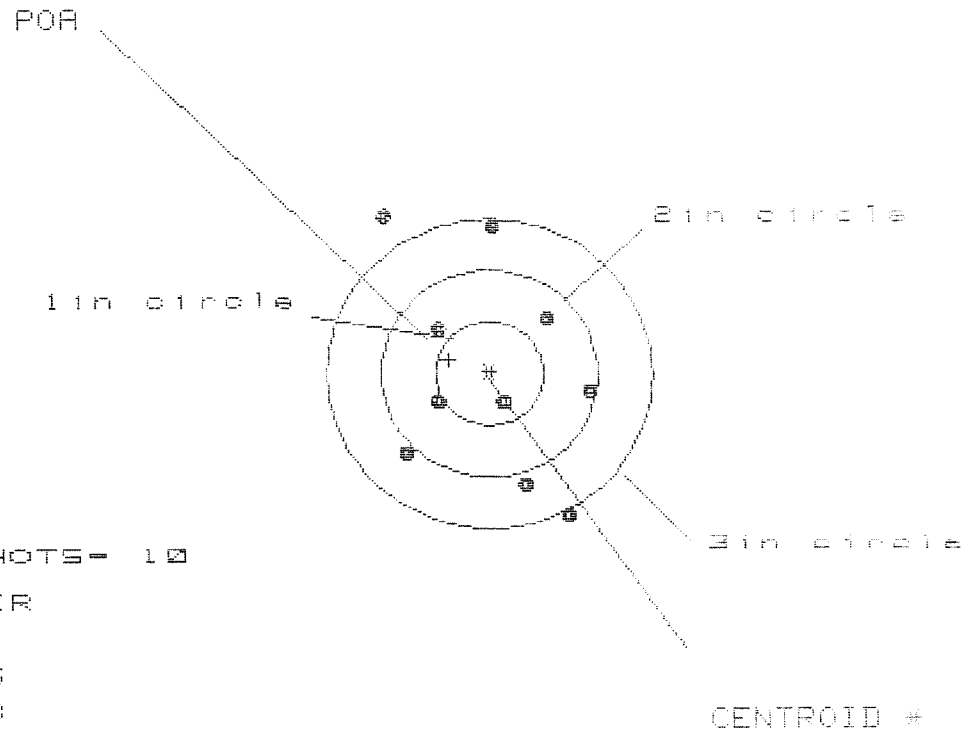
CS= 3.403

| PATTERN #                   | : | 3      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.150  | 1.042  | .823   |
| MINIMUM X                   | : | -1.640 | -1.748 | -.649  |
| MAXIMUM Y                   | : | 1.622  | 1.296  | 1.236  |
| MINIMUM Y                   | : | -1.284 | -1.104 | -1.154 |
| CENTROID X                  | : | .459   | .567   | .786   |
| CENTROID Y                  | : | -.324  | -.504  | -.454  |
| POA TO CENTROID in.         | : | .562   | .759   | .907   |
| MIN RADIUS                  | : | .076   | .226   | .382   |
| MEAN RADIUS                 | : | 1.076  | .989   | .869   |
| MAX RADIUS                  | : | 1.892  | 1.794  | 1.396  |
| HORIZONTAL SPREAD           | : | 2.790  | 2.790  | 1.472  |
| VERTICAL SPREAD             | : | 2.906  | 2.390  | 2.390  |
| EXTREME SPREAD              | : | 3.403  | 2.819  | 2.639  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 6      |        |

19 Apr 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06225270

## CENTERFIRE PATTERNS # 4



# OF SHOTS= 10

# IN CIR

1in = 1

2in = 5

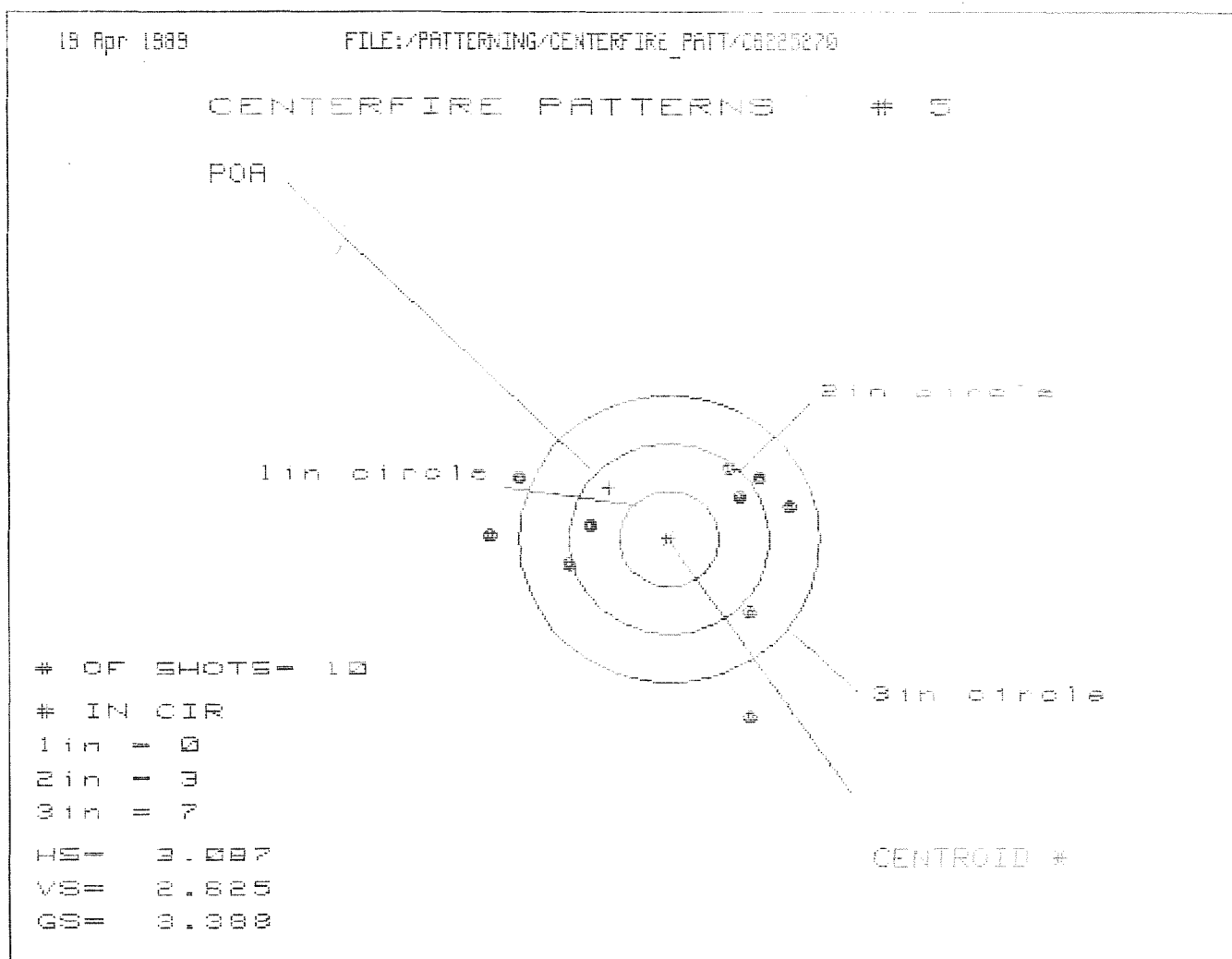
3in = 8

HS= 1.916

VS= 2.843

GS= 3.307

| PATTERN #                   | : | 4      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .959   | .853   | .931   |
| MINIMUM X                   | : | -.957  | -.869  | -.791  |
| MAXIMUM Y                   | : | 1.504  | 1.615  | 1.468  |
| MINIMUM Y                   | : | -1.339 | -1.172 | -1.072 |
| CENTROID X                  | : | .376   | .482   | .404   |
| CENTROID Y                  | : | -.133  | -.300  | -.153  |
| POA TO CENTROID in.         | : | .399   | .568   | .432   |
| MIN RADIUS                  | : | .322   | .124   | .291   |
| MEAN RADIUS                 | : | 1.026  | .913   | .866   |
| MAX RADIUS                  | : | 1.782  | 1.620  | 1.459  |
| HORIZONTAL SPREAD           | : | 1.916  | 1.722  | 1.722  |
| VERTICAL SPREAD             | : | 2.843  | 2.787  | 2.540  |
| EXTREME SPREAD              | : | 3.307  | 2.888  | 2.566  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |



| PATTERN #                     | 5      |
|-------------------------------|--------|
| SHOTS (BEST OF)               | 10     |
| MAXIMUM X                     | 1.246  |
| MINIMUM X                     | -1.841 |
| MAXIMUM Y                     | .715   |
| MINIMUM Y                     | -1.910 |
| CENTROID X                    | .598   |
| CENTROID Y                    | -.537  |
| POA TO CENTROID in.           | .804   |
| MIN RADIUS                    | .845   |
| MEAN RADIUS                   | 1.273  |
| MAX RADIUS                    | 2.062  |
| HORIZONTAL SPREAD             | 3.087  |
| VERTICAL SPREAD               | 2.625  |
| EXTREME SPREAD                | 3.388  |
| NUMBER IN ONE INCH CIRCLE =   | 0      |
| NUMBER IN TWO INCH CIRCLE =   | 3      |
| NUMBER IN THREE INCH CIRCLE = | 7      |

**Remington**  
MODEL 700™ H24

VERY IMPORTANT:  
Instruction Book  
enclosed to assure  
safe use of this  
firearm.

**DUPONT**  
REG. U.S. PAT. & TM. OFF.

SERIAL NO.  
C6225270

ORDER NO.  
5716

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marquo Deposee.

01

5716 C6225270

UPC

