

06594621

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

\*Includes 1 in chamber.

*Remington*

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00096542** Serial: C6594621 Model M24 SWS Center Fire Caliber: 7.62 NATO Produced: 03/20/1991 Repairman: Status: Closed 5/2/2005 12:43:45 PM

Verify Repair

**Address Information**

Customer: ☒ Received From Return To: ☐ Received From

Name: **SFC KARL PETERSEN** **SFC KARL PETERSEN**

Address 1: **A1 109TH IN M** **A1 109TH IN M**

Address 2: **BLDG 2490 25TH ST** **BLDG 2490 25TH ST** PG Box: PO Box:

City: **CAMP SHELBY** **CAMP SHELBY**

State: **MS** Zip Code: **39407** Country: **US** State: **MS** Zip Code: **39407** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

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

Contact Information: Phone: **601 558 4385** Fax: **601 558 4387** Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

| Code | Desc                  | Qty |
|------|-----------------------|-----|
| A007 | With Studs            | 2   |
| A017 | Scope Base            | 1   |
| A042 | Adjustable Butt Pad   | 1   |
| A057 | Fit and Rear Sgt Base | 2   |

Repair Search Refresh Close

neglet 5/5/2005 7:55 AM CAPS NUM INS SCPL

start

FTE W9195X5104-001  
 AVE W9195X5104-002

Serial Number: **C6594621**

Model: **M24 SWS**



**RE00096542**

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. \_\_\_\_\_

DATE 5-4-05

TESTER TRW

|         | 2.50 LBS<br>INITIAL | 2.50 LBS AFTER<br>50 CYCLES | FINAL TEST & TO RESET<br>2.50 LBS |       | COMMENTS |
|---------|---------------------|-----------------------------|-----------------------------------|-------|----------|
| PULL #1 | 2.18                | 2.68                        |                                   | 2.26  |          |
| PULL #2 | 2.24                | 2.60                        |                                   | 2.36  |          |
| PULL #3 | 2.40                | 2.63                        |                                   | 2.42  |          |
| PULL #4 | 2.35                | 2.72                        |                                   | 2.55  |          |
| PULL #5 | 2.41                | 2.69                        |                                   | 2.35  |          |
| TOTAL   | 11.58               | 13.32                       |                                   | 11.94 |          |
| AVERAGE | 2.31                | 2.66                        |                                   | 2.38  |          |

|         | 3.00 LBS<br>INITIAL | 3.00 LBS AFTER<br>20 CYCLES |  | COMMENTS |
|---------|---------------------|-----------------------------|--|----------|
| PULL #1 | 3.17                | 3.13                        |  |          |
| PULL #2 | 3.05                | 3.17                        |  |          |
| PULL #3 | 3.25                | 3.16                        |  |          |
| PULL #4 | 3.13                | 3.06                        |  |          |
| PULL #5 | 3.22                | 3.10                        |  |          |
| TOTAL   | 15.82               | 15.62                       |  |          |
| AVERAGE | 3.16                | 3.12                        |  |          |

|         | 4.00 LBS<br>INITIAL | 4.00 LBS AFTER<br>20 CYCLES | MAX SETTING GREATER<br>THAN 4 LBS | RESET TO 4 LBS FOR<br>TARGET & ACCURACY |
|---------|---------------------|-----------------------------|-----------------------------------|-----------------------------------------|
| PULL #1 | 4.15                | 4.11                        |                                   | 4.01                                    |
| PULL #2 | 4.19                | 4.07                        |                                   | 4.04                                    |
| PULL #3 | 4.16                | 4.11                        |                                   | 4.16                                    |
| PULL #4 | 4.41                | 4.16                        |                                   | 4.00                                    |
| PULL #5 | 4.25                | 4.18                        |                                   | 3.98                                    |
| TOTAL   | 21.16               | 20.63                       |                                   | 20.19                                   |
| AVERAGE | 4.23                | 4.12                        |                                   | 4.03                                    |

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594621.\_\_\_0

FILE DATE AND TIME: 05/24/2005 07:57

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |       |
|-------------------------------------------------------------|-------|
| The Average X Centroid of the Five Target Set:              | 0.103 |
| The Average Y Centroid of the Five Target Set:              | 0.003 |
| The Average Point of Impact of the Five Target Set:         | 0.103 |
| The Average Mean Radius of the Five Target Set:             | 0.871 |
| The Distance from POA to Centroid Target #1:                | 0.207 |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.282 |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.366 |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.260 |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.089 |

SERIAL NUMBER: C6594621. \_\_0

TARGET NUMBER: 1

FILE DATE: 05/24/2005

FILE TIME: 07:57

X CENTROID: 0.200

Y CENTROID: -0.053

POA TO CENTROID: 0.207

HORZ SPREAD: 2.620

VERT SPREAD: 3.232

GROUP SPREAD: 3.367

MIN RADIUS: 0.155

MAX RADIUS: 2.059

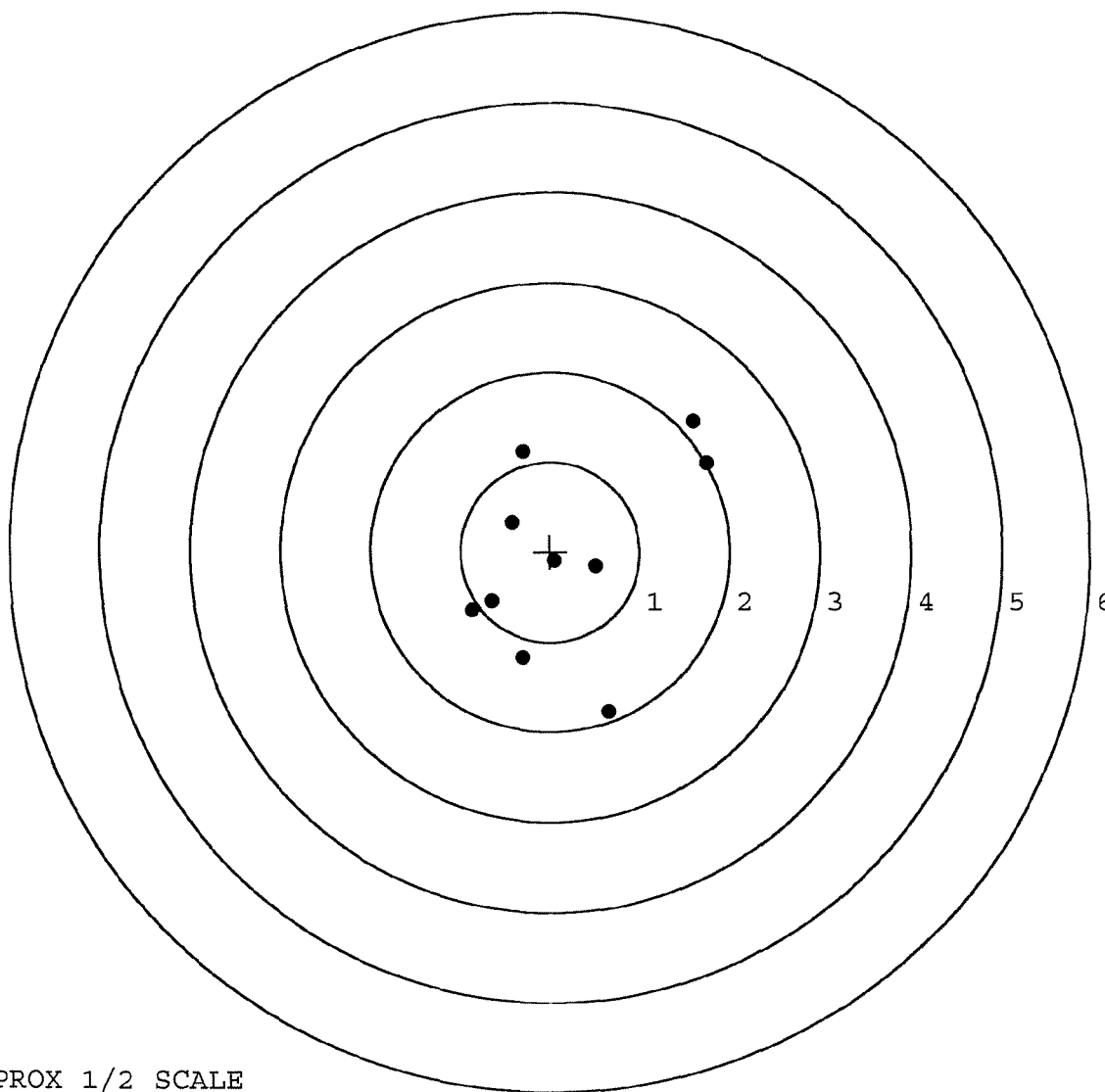
MEAN RADIUS: 1.165

# IN 1 IN DIAMETER: 2

# IN 2 IN DIAMETER: 4

# in 3 IN DIAMETER: 7

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.655  | -1.775 |
| 2:     | -0.310 | -1.179 |
| 3:     | -0.868 | -0.650 |
| 4:     | -0.656 | -0.551 |
| 5:     | 0.511  | -0.166 |
| 6:     | 0.052  | -0.100 |
| 7:     | -0.430 | 0.325  |
| 8:     | -0.305 | 1.116  |
| 9:     | 1.752  | 0.992  |
| 10:    | 1.599  | 1.457  |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594621.\_\_\_0

TARGET NUMBER: 2

FILE DATE: 05/24/2005

FILE TIME: 07:57

X CENTROID: -0.072

Y CENTROID: 0.018

POA TO CENTROID: 0.075

HORZ SPREAD: 1.370

VERT SPREAD: 1.757

GROUP SPREAD: 2.137

MIN RADIUS: 0.212

MAX RADIUS: 1.319

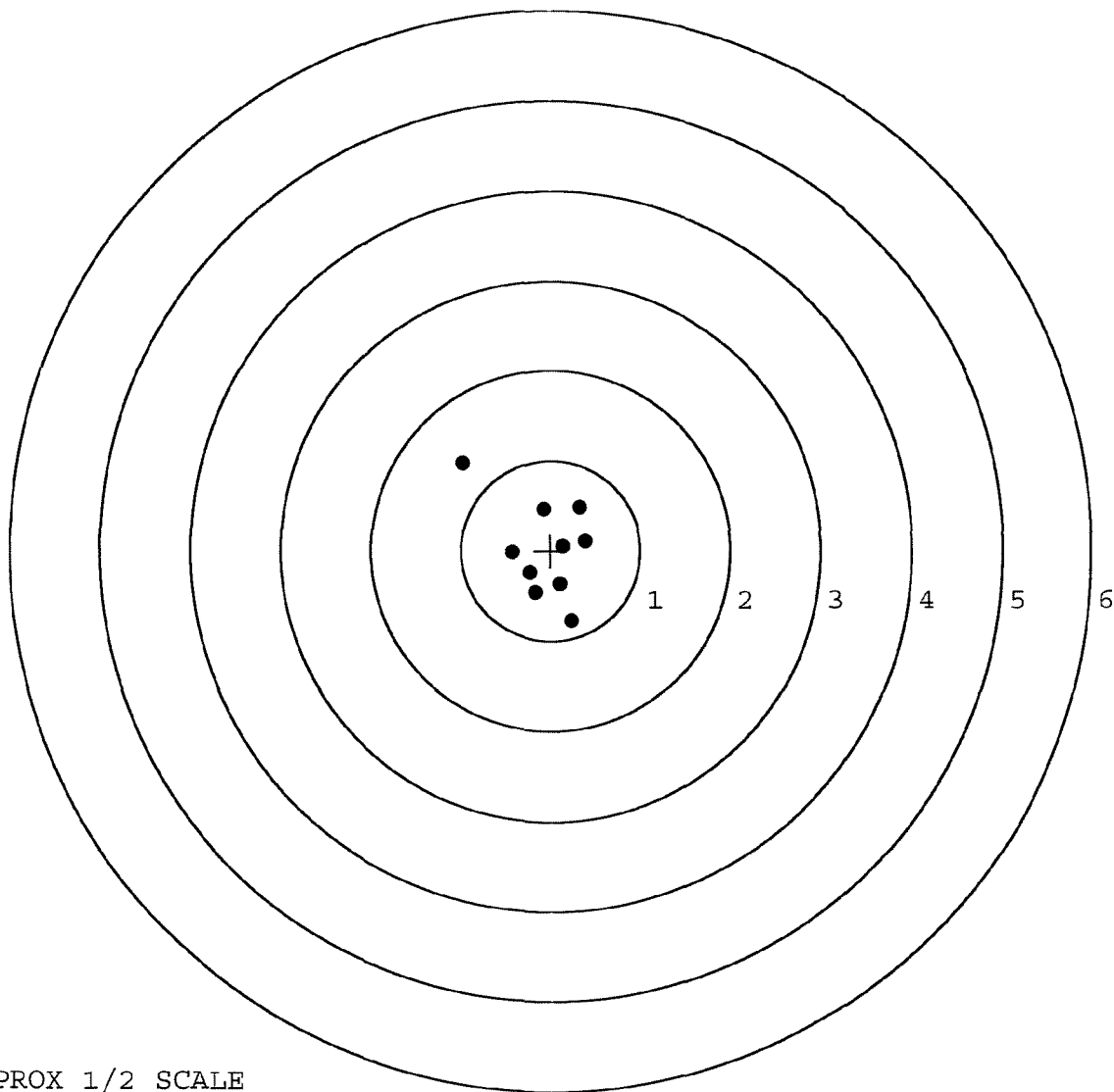
MEAN RADIUS: 0.552

# IN 1 IN DIAMETER: 7

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.983 | 0.972  |
| 2:     | 0.322  | 0.482  |
| 3:     | 0.387  | 0.112  |
| 4:     | 0.137  | 0.053  |
| 5:     | -0.083 | 0.465  |
| 6:     | -0.427 | -0.022 |
| 7:     | -0.234 | -0.252 |
| 8:     | 0.102  | -0.378 |
| 9:     | 0.233  | -0.785 |
| 10:    | -0.179 | -0.469 |

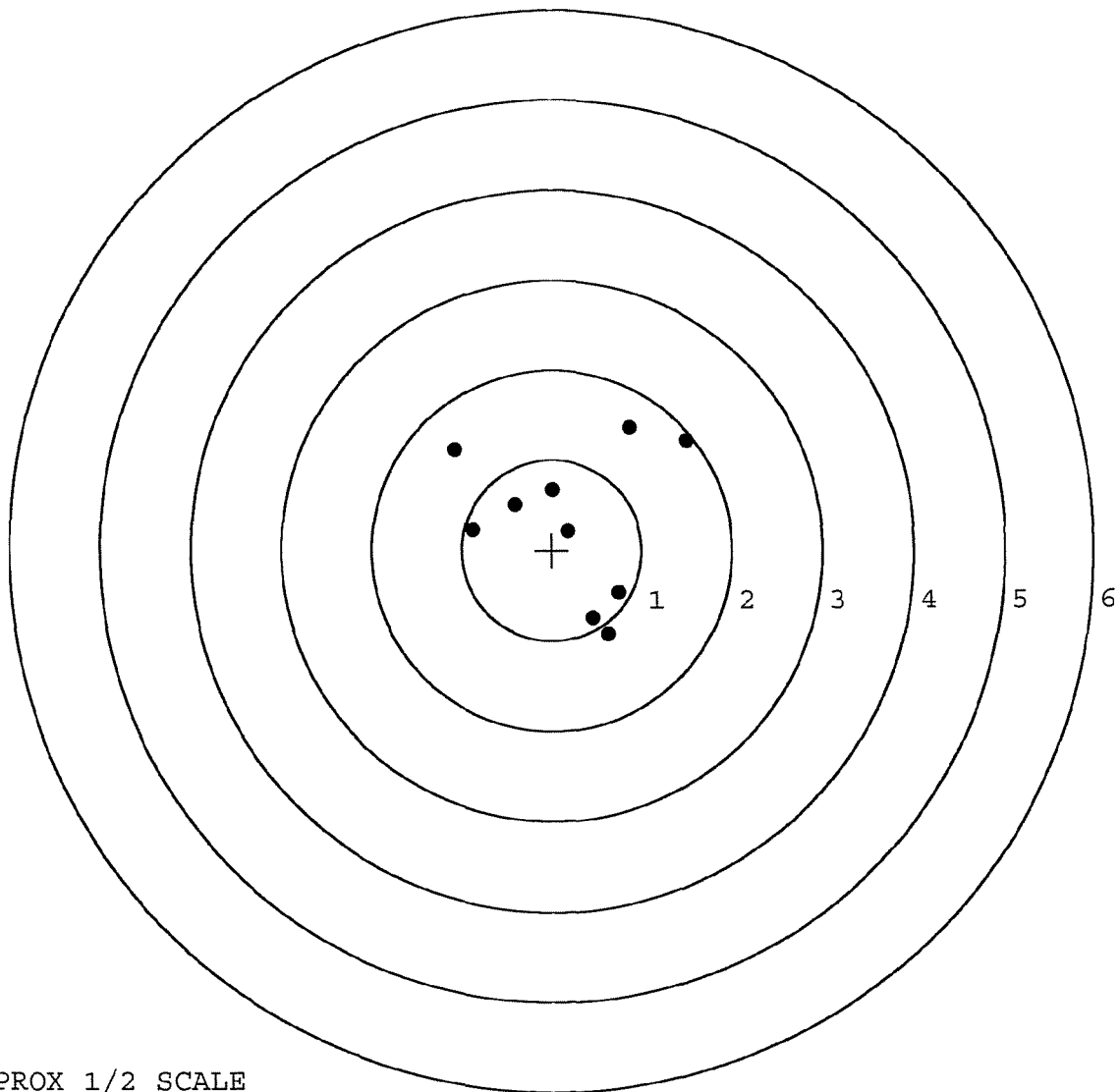


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594621. \_\_0  
TARGET NUMBER: 3  
FILE DATE: 05/24/2005  
FILE TIME: 07:57

X CENTROID: 0.201  
Y CENTROID: 0.313  
POA TO CENTROID: 0.372  
HORZ SPREAD: 2.577  
VERT SPREAD: 2.286  
GROUP SPREAD: 2.579  
MIN RADIUS: 0.106  
MAX RADIUS: 1.577  
MEAN RADIUS: 0.992  
# IN 1 IN DIAMETER: 2  
# IN 2 IN DIAMETER: 4  
# in 3 IN DIAMETER: 8

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.630  | -0.932 |
| 2:     | 0.740  | -0.471 |
| 3:     | 0.180  | 0.209  |
| 4:     | 0.007  | 0.664  |
| 5:     | -0.417 | 0.505  |
| 6:     | -0.875 | 0.231  |
| 7:     | -1.077 | 1.110  |
| 8:     | 0.871  | 1.354  |
| 9:     | 1.500  | 1.208  |
| 10:    | 0.454  | -0.752 |

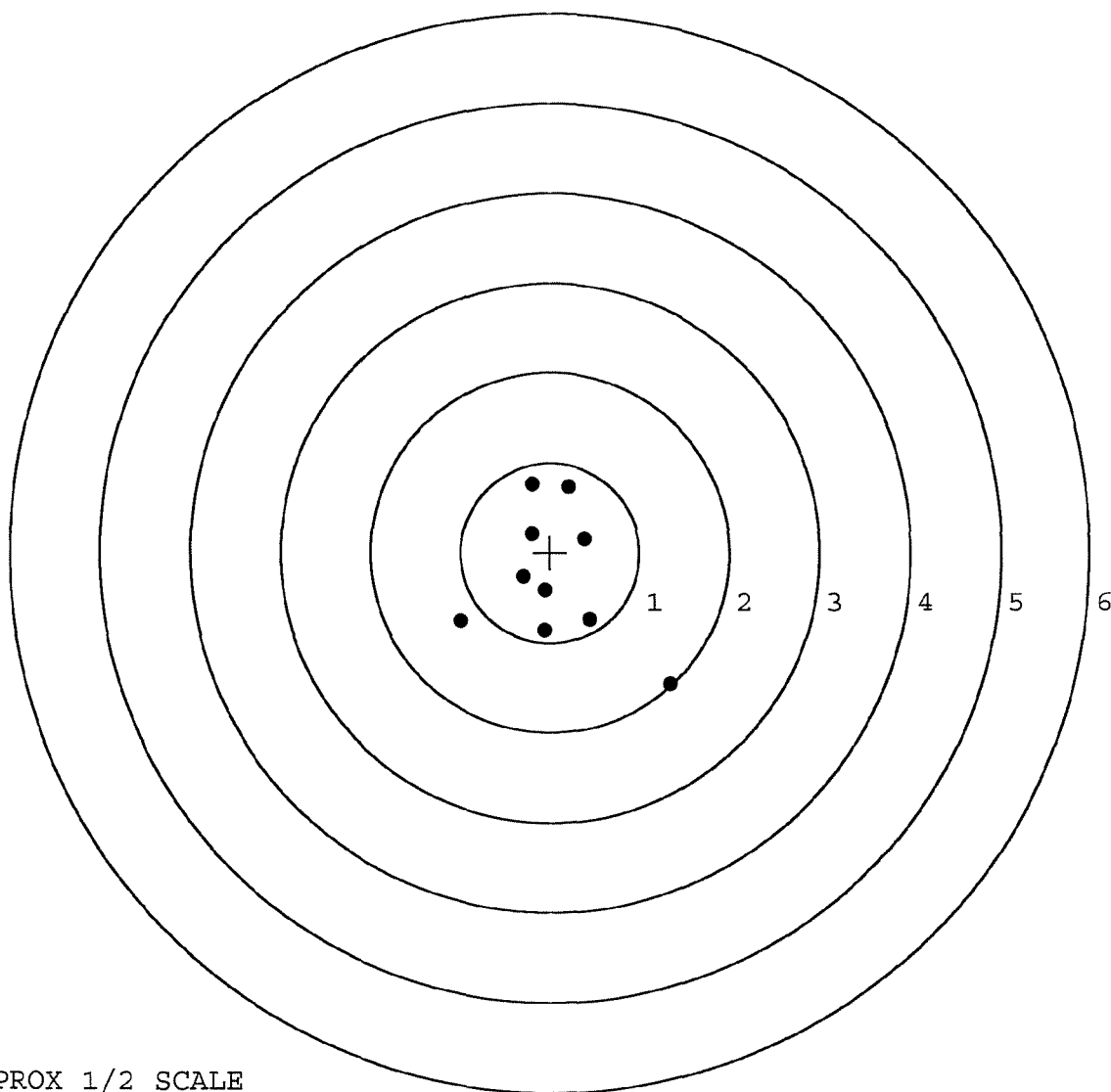


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594621. \_\_0  
TARGET NUMBER: 4  
FILE DATE: 05/24/2005  
FILE TIME: 07:57

X CENTROID: 0.054  
Y CENTROID: -0.268  
POA TO CENTROID: 0.274  
HORZ SPREAD: 2.341  
VERT SPREAD: 2.232  
GROUP SPREAD: 2.715  
MIN RADIUS: 0.196  
MAX RADIUS: 1.761  
MEAN RADIUS: 0.787  
# IN 1 IN DIAMETER: 2  
# IN 2 IN DIAMETER: 6  
# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.341  | -1.471 |
| 2:     | 0.445  | -0.742 |
| 3:     | -0.069 | -0.871 |
| 4:     | -1.000 | -0.764 |
| 5:     | -0.062 | -0.426 |
| 6:     | -0.302 | -0.268 |
| 7:     | 0.392  | 0.159  |
| 8:     | -0.206 | 0.208  |
| 9:     | 0.211  | 0.731  |
| 10:    | -0.205 | 0.761  |



TARGET APPROX 1/2 SCALE



SERIAL NUMBER: C6594621. \_\_0

TARGET NUMBER: 5

FILE DATE: 05/24/2005

FILE TIME: 07:57

X CENTROID: 0.133

Y CENTROID: 0.006

POA TO CENTROID: 0.133

HORZ SPREAD: 2.835

VERT SPREAD: 1.885

GROUP SPREAD: 2.837

MIN RADIUS: 0.150

MAX RADIUS: 1.706

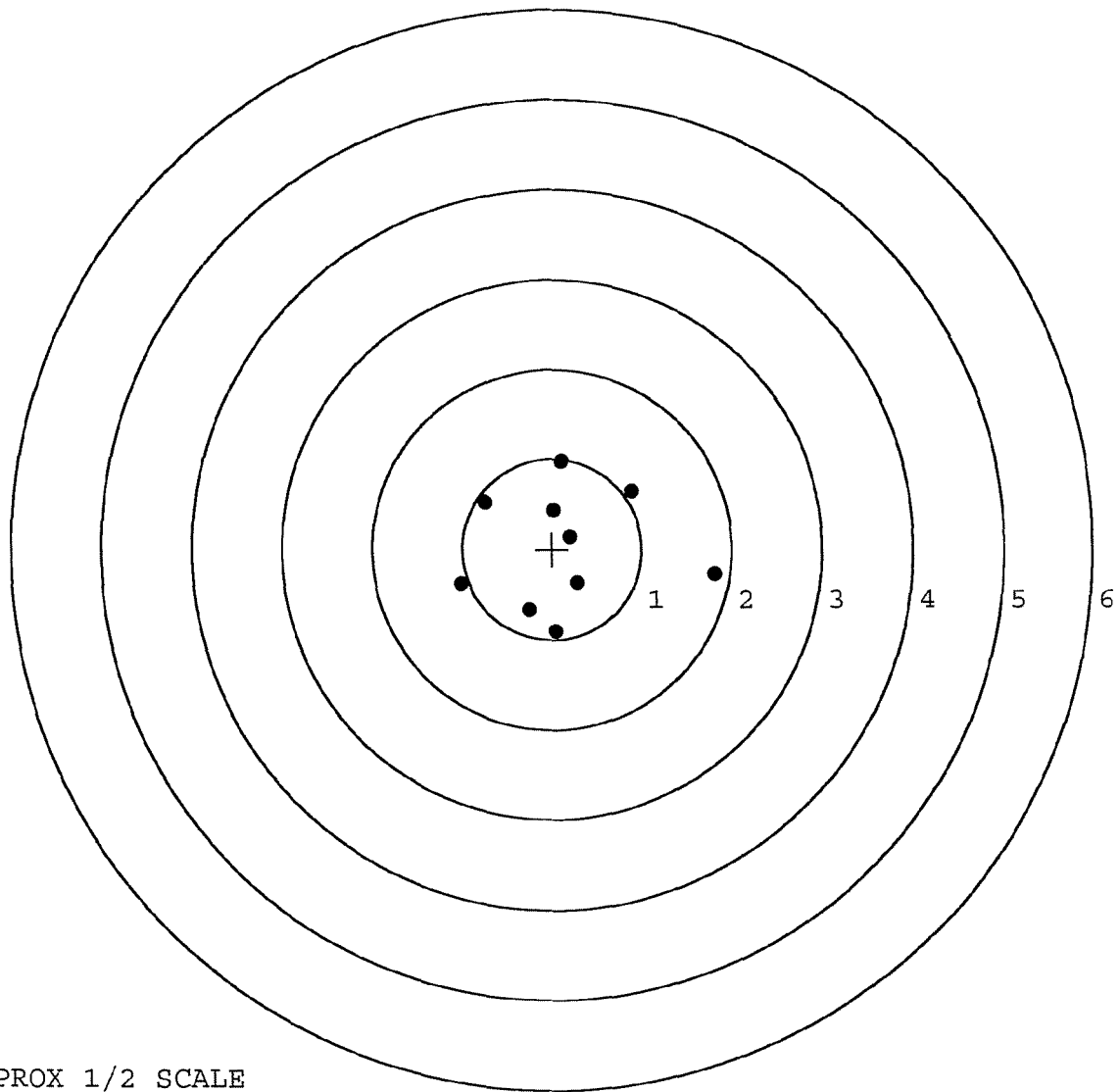
MEAN RADIUS: 0.862

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.815  | -0.277 |
| 2:     | 0.888  | 0.643  |
| 3:     | 0.106  | 0.968  |
| 4:     | 0.019  | 0.430  |
| 5:     | 0.202  | 0.139  |
| 6:     | 0.284  | -0.380 |
| 7:     | 0.045  | -0.917 |
| 8:     | -0.260 | -0.675 |
| 9:     | -1.020 | -0.393 |
| 10:    | -0.751 | 0.519  |



TARGET APPROX 1/2 SCALE

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

|                     |                    |                     |         |
|---------------------|--------------------|---------------------|---------|
| R & E NUMBER        | 96542              |                     |         |
| SERIAL NUMBER       | C6594621           |                     |         |
| LOG-IN DATE         | 5-3-05             |                     |         |
| INSPECT AND VERIFY: |                    |                     |         |
| OPERATION #         | OPERATION NAME     | DATE                | INITIAL |
| 550                 | DIS-ASSEMBLE GUN   | 5-5-05              | RTL     |
| 560 A               | RE-BARREL          |                     |         |
| B                   | DRILL AND TAP      | 5-18-05             | TRW     |
| 575                 | ASSEMBLE           |                     |         |
| 600                 | PROOF              | 5-18-05             | AC      |
| 605                 | CHECK HEADSPACE    | 5-18-05             | AC      |
| 610                 | DIS-ASSEMBLE GUN   | 5-18-05             | AC      |
| 612                 | MAGNAFLUX          | 5-19-05             | WMB     |
| 615                 | ROLLMARK CALIBER   | 5-19-05             | CW      |
| 618                 | ROTO-BLAST         | 5-20-05             | LB      |
| 620                 | APPLY COATINGS     | 5-22-05             | W       |
| 625 A               | FINAL ASSEMBLY     | 2-23-05             | RR      |
| B                   | TRIGGER PULL TEST  | 5-25-05             | AC      |
| C                   | SAFETY "ON" FORCE  | 5-24-05             | AC      |
| D                   | SAFETY "OFF" FORCE | 5-24-05             | AC      |
| E                   | FIRING PIN INDENT  | 5-24-05             | AC      |
| 640                 | TARGET             | 5-24-05             | AC      |
| 655                 | FINAL INSPECT      | 5-24-05             | AC      |
| 660                 | PACK               | 5-24-05             | RA      |
|                     |                    | SHIP DATE           |         |
|                     |                    | QAR INSPECTION DATE |         |

**Remington®** REG. U.S. PAT. & TM. OFF.

**MODEL 700™ H24**

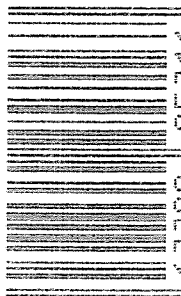
**VERY IMPORTANT:**  
Instruction Book  
enclosed to assure  
safe use of this  
firearm.

**SERIAL NO.**  
C6594621

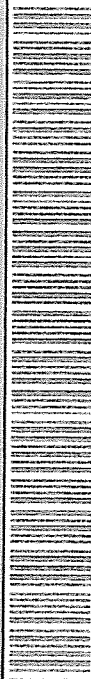
**ORDER NO.**  
5716

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

UPC



0 47700 25716 2



5716 C6594621

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594621

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT |
|--------------|----------------------------------------------------------------|----------|----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 12/27/90 | K.S. |
| 600          | Proof                                                          |          | 12/27/90 | K.S. |
| 607          | Check Headspace                                                |          | 12/27/90 | K.S. |
| 610          | Dis-assemble Gun                                               |          | 12/27/90 | K.S. |
| 612          | Magnaflux Barrel<br>Action                                     |          | 1/9/91   | KR   |
|              | Magnaflux Bolt                                                 |          | "        | KR   |
| 615          | Rollmark Caliber                                               |          | "        | GB   |
| 617          | Drill and Tap Sight Holes                                      | 1 10 91  |          | FEB  |
| 618          | Polish Barrel                                                  | 1 10 91  |          | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 1-22-91  | TH   |
|              | Apply Coating (Bolt)                                           |          |          |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 2/4/91   | KA   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 2/4/91   | KA   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 2/4/91   | KA   |
|              | D) Oil Firing Pin Ass'y                                        |          | 2/4/91   | KA   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 2/5/91   | KA   |

| op. #        | OP. NAME                                                    | READINGS |       |       |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 6        | 6     | 6     |      |      | 2/5/91  | WB   |
|              | G) Safety Off Force                                         | 2 1/4    | 2 1/4 | 2 1/4 |      |      | 2/5/91  | WB   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |      |      | 2/5/91  | JS   |
|              | I) Firing Pin Indent                                        | .0205    | .020  | .0203 |      |      | 2/5/91  | WB   |
|              | J) Assemble Stock                                           |          |       |       |      |      | 2/5/91  | KS   |
|              | K) Assemble Swivel Studs                                    |          |       |       |      |      | 2-19-91 | AC   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |      |      | 2/5/91  | KS   |
|              | M) Iron Sight Alignment                                     |          |       |       |      |      | 2/5/91  | KS   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |      |      | 2/5/91  | KS   |
|              | O) Attach Scope to Rifle                                    |          |       |       |      |      | 2/5/91  | KS   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |      |      | 2/5/91  | KS   |
| 640          | Gallery Target & Test                                       |          |       |       |      |      | 2-6-91  | NF   |
|              | A) Time                                                     |          |       |       |      |      | "       | NF   |
|              | B) Malfunctions                                             |          |       |       |      |      | "       | NF   |
|              | C) Pierced Primers                                          |          |       |       |      |      | "       | NF   |
|              | D) Optical Clarity of Scope                                 |          |       |       |      |      | "       | NF   |
| 645          | Inspect for Live Ammo                                       |          |       |       |      |      | 2-6-91  | NF   |
| 655          | Final Inspection                                            |          |       |       |      |      | 2-19-91 | AC   |
|              | A) Headspace                                                |          |       |       |      |      | 2/18/91 | WB   |
|              | B) Trigger Pull                                             | 2.68     | 2.81  | 2.63  | 2.70 | 2.60 | 2-19-91 | AC   |
|              | C) Function                                                 |          |       |       |      |      | 2-19-91 | AC   |
| 660          | Pack                                                        |          |       |       |      |      | 3-19-91 | NF   |

SWS TRIGGER PULL TEST

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

SERIAL NO. C 6594621-11  
DATE 2-5-91  
TESTER JH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS          |
|---------|------------------|--------------------------|--------------------------------|------|-------------------|
| PULL #1 | 2.49             | 2.41                     | 2.48                           | 2.68 | MIN. SETTING,     |
| PULL #2 | 2.47             | 2.42                     | 2.33                           | 2.81 | NO AVG. OF 5      |
| PULL #3 | 2.33             | 2.50                     | 2.42                           | 2.63 | READINGS ACCEPT-  |
| PULL #4 | 2.49             | 2.38                     | 2.39                           | 2.70 | ABLE LESS THAN 2# |
| PULL #5 | 2.46             | 2.47                     | 2.48                           | 2.60 |                   |
| TOTAL   |                  |                          |                                |      |                   |
| AVG.    |                  |                          |                                |      |                   |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.29             | 3.50                     |  |          |
| PULL #2 | 3.47             | 3.27                     |  |          |
| PULL #3 | 3.50             | 3.35                     |  |          |
| PULL #4 | 3.40             | 3.35                     |  |          |
| PULL #5 | 3.46             | 3.43                     |  |          |
| 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 | 4.43             | 4.37                     |                                | 4.29                                 |
| PULL #2 | 4.53             | 4.47                     |                                | 4.41                                 |
| PULL #3 | 4.32             | 4.40                     |                                | 4.38                                 |
| PULL #4 | 4.45             | 4.23                     |                                | 4.26                                 |
| PULL #5 | 4.41             | 4.23                     |                                | 4.43                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6594621  
7 Feb 1991

CENTROIDAL DISTANCES

|        |         |
|--------|---------|
| 0 TO 1 | .218936 |
| 1 TO 2 | .245687 |
| 1 TO 3 | .138928 |
| 1 TO 4 | .347287 |
| 1 TO 5 | .4892   |

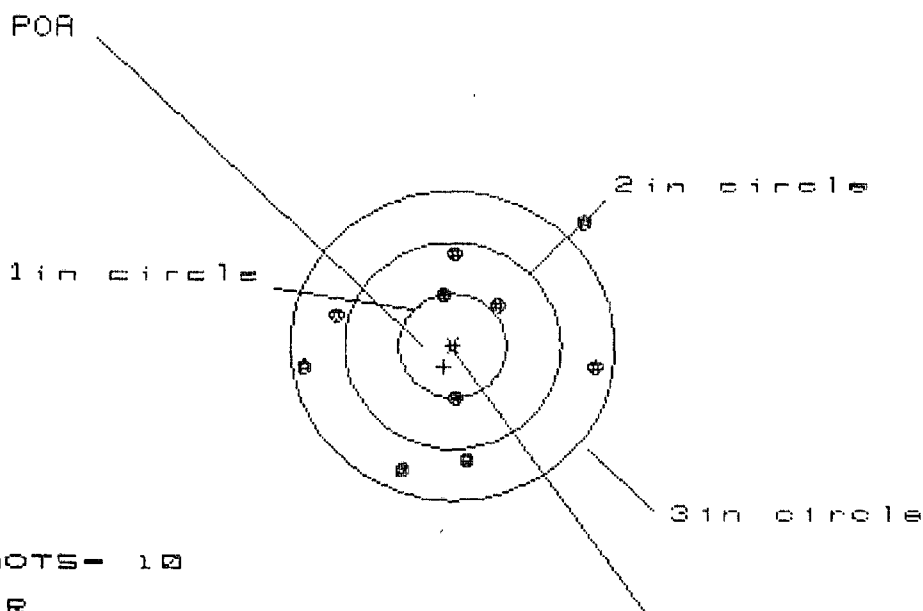
5  
42 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1242  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1956  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .2317  
THE AMR FOR THIS RIFLE IS: 1.034

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6594621

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.789

VS= 2.429

GS= 3.023

CENTROID \*

|                     |   |        |        |        |
|---------------------|---|--------|--------|--------|
| PATTERN #           | : | 10     | 9      | 8      |
| SHOTS (BEST OF)     | : | 10     | 9      | 8      |
| MAXIMUM X           | : | 1.364  | 1.502  | 1.341  |
| MINIMUM X           | : | -1.425 | -1.287 | -1.114 |
| MAXIMUM Y           | : | 1.224  | .988   | .978   |
| MINIMUM Y           | : | -1.205 | -1.069 | -1.079 |
| CENTROID X          | : | .082   | -.056  | .105   |
| CENTROID Y          | : | .203   | .067   | .077   |
| POR TO CENTROID in. | : | .219   | .087   | .130   |
| MIN RADIUS          | : | .471   | .378   | .343   |
| MEAN RADIUS         | : | 1.050  | .969   | .914   |
| MAX RADIUS          | : | 1.739  | 1.506  | 1.346  |
| HORIZONTAL SPREAD   | : | 2.789  | 2.789  | 2.455  |
| VERTICAL SPREAD     | : | 2.429  | 2.057  | 2.057  |
| SPREAD              | : | 3.023  | 2.789  | 2.513  |

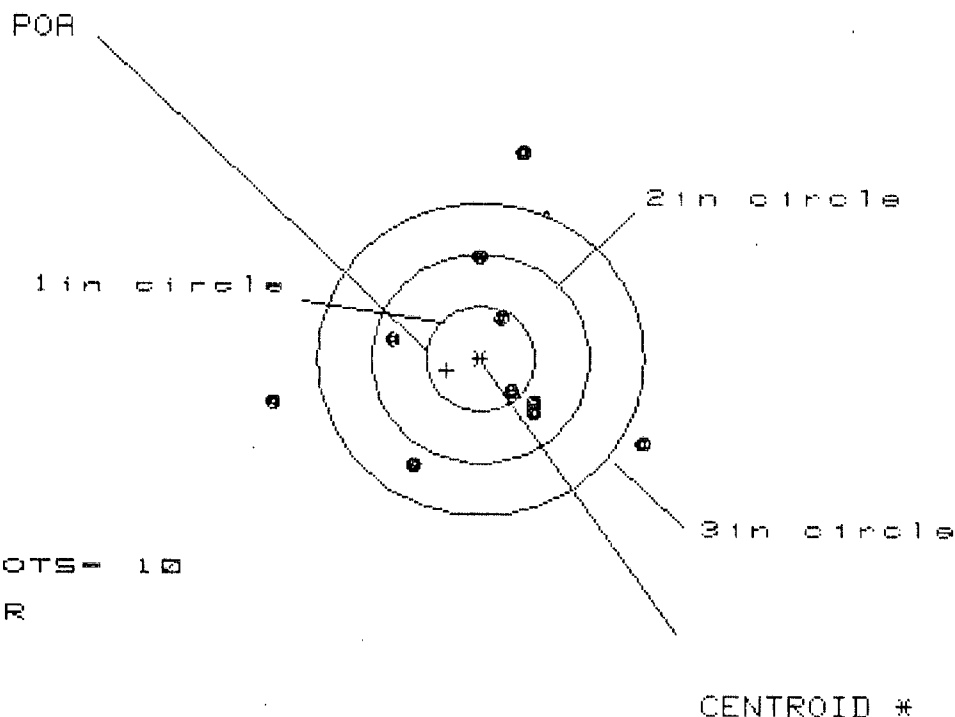


|                 |             |   |   |
|-----------------|-------------|---|---|
| NUMBER IN ONE   | INCH CIRCLE | = | 2 |
| NUMBER IN TWO   | INCH CIRCLE | = | 4 |
| NUMBER IN THREE | INCH CIRCLE | = | 9 |

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8594621

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 6

3 in = 7

HS= 3.374

VS= 2.947

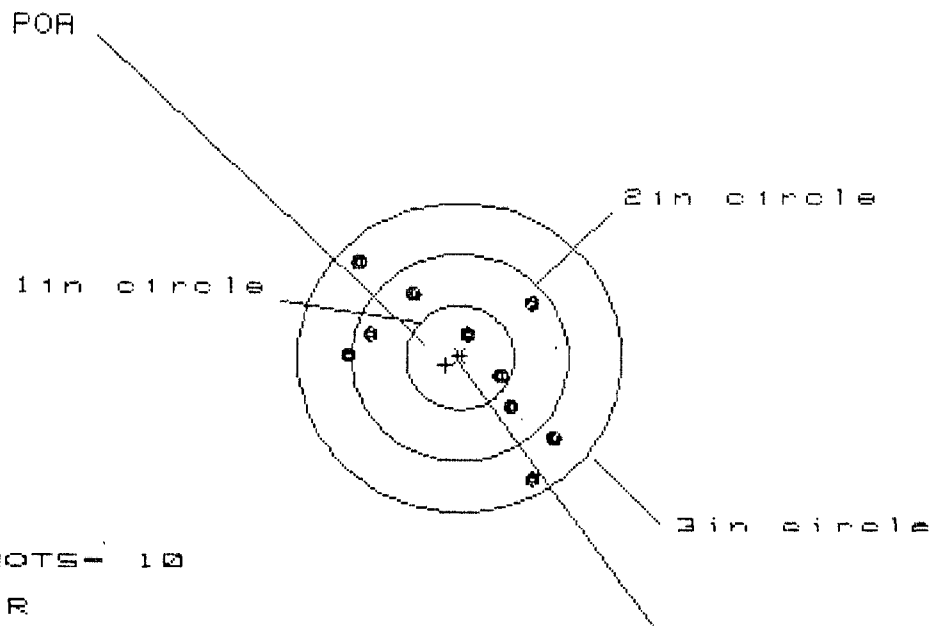
GS= 3.404

| PATTERN #                   | : | 32     | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.448  | 1.494  | 1.259  |
| MINIMUM X                   | : | -1.926 | -1.880 | -1.040 |
| MAXIMUM Y                   | : | 1.964  | 1.190  | 1.168  |
| MINIMUM Y                   | : | -.983  | -.765  | -.787  |
| CENTROID X                  | : | .311   | .265   | .500   |
| CENTROID Y                  | : | .114   | -.104  | -.082  |
| POA TO CENTROID in.         | : | .331   | .285   | .506   |
| MIN RADIUS                  | : | .455   | .398   | .199   |
| MEAN RADIUS                 | : | 1.091  | .975   | .802   |
| MAX RADIUS                  | : | 2.008  | 1.888  | 1.421  |
| HORIZONTAL SPREAD           | : | 3.374  | 3.374  | 2.299  |
| VERTICAL SPREAD             | : | 2.947  | 1.955  | 1.955  |
| EXTREME SPREAD              | : | 3.404  | 3.404  | 2.504  |
| NUMBER IN ONE INCH CIRCLE   | = | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 7      |        |        |

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# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 7

3in = 10

IS= 1.893

VS= 2.061

GS= 2.566

CENTROID #

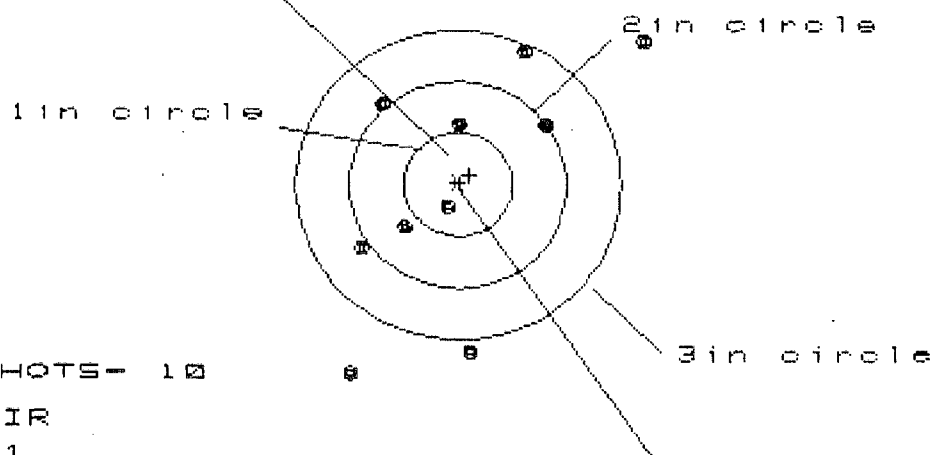
|                             |   |        |       |        |
|-----------------------------|---|--------|-------|--------|
| PATTERN #                   | : | 3      |       |        |
| SHOTS (BEST OF)             | : | 10     | 9     | 8      |
| MAXIMUM X                   | : | .901   | .973  | .872   |
| MINIMUM X                   | : | -.992  | -.920 | -1.021 |
| MAXIMUM Y                   | : | .936   | .811  | .587   |
| MINIMUM Y                   | : | -1.125 | -.920 | -.818  |
| CENTROID X                  | : | .131   | .059  | .160   |
| CENTROID Y                  | : | .073   | .198  | .096   |
| POA TO CENTROID in.         | : | .150   | .206  | .187   |
| MIN RADIUS                  | : | .215   | .180  | .181   |
| MEAN RADIUS                 | : | .853   | .793  | .737   |
| MAX RADIUS                  | : | 1.298  | 1.339 | 1.196  |
| HORIZONTAL SPREAD           | : | 1.893  | 1.893 | 1.893  |
| VERTICAL SPREAD             | : | 2.061  | 1.731 | 1.405  |
| EXTREME SPREAD              | : | 2.566  | 2.484 | 2.067  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2     |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7     |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10    |        |

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# CENTERFIRE PATTERNS # 4

POA



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 3

3in = 7

HS= 2.7000

VS= 3.256

GS= 4.235

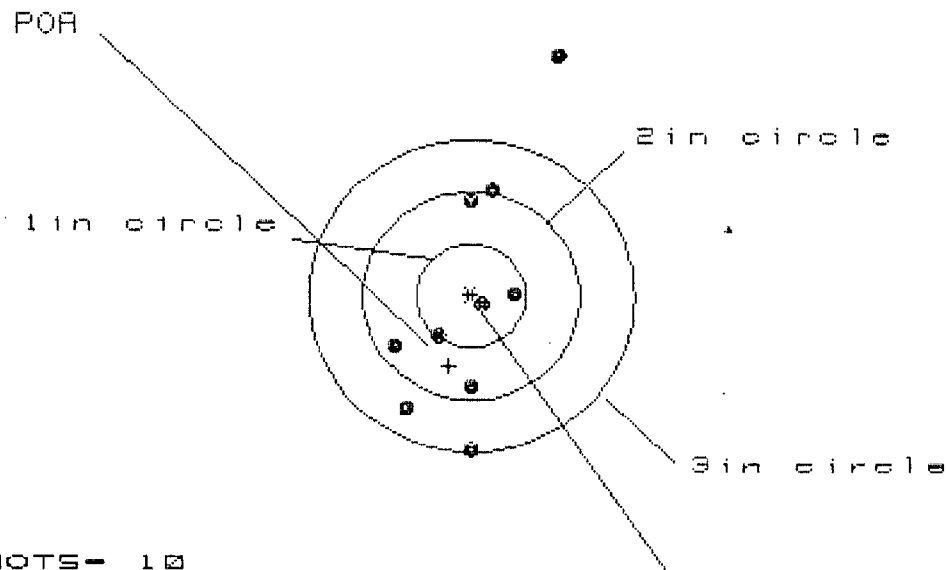
CENTROID #

| PATTERN #                   | : | 10     | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.740  | 1.039  | .943   |
| MINIMUM X                   | : | -.968  | -.775  | -.843  |
| MAXIMUM Y                   | : | 1.436  | 1.486  | 1.279  |
| MINIMUM Y                   | : | -1.820 | -1.661 | -1.680 |
| CENTROID X                  | : | -.106  | -.299  | -.203  |
| CENTROID Y                  | : | -.089  | -.248  | -.041  |
| POA TO CENTROID in.         | : | .138   | .389   | .207   |
| MIN RADIUS                  | : | .211   | .084   | .228   |
| MEAN RADIUS                 | : | 1.209  | 1.058  | .959   |
| MAX RADIUS                  | : | 2.256  | 1.832  | 1.696  |
| HORIZONTAL SPREAD           | : | 2.708  | 1.814  | 1.786  |
| VERTICAL SPREAD             | : | 3.256  | 3.147  | 2.959  |
| EXTREME SPREAD              | : | 4.235  | 3.499  | 2.989  |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 3      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 7      |        |        |

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# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 6

3in = 9

HS= 1.501

VS= 3.768

GS= 3.861

| PATTERN #                     | : | 5      | 6      | 7     |
|-------------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)               | : | 10     | 9      | 8     |
| MAXIMUM X                     | : | .846   | .505   | .517  |
| MINIMUM X                     | : | -.655  | -.561  | -.549 |
| MAXIMUM Y                     | : | 2.333  | 1.268  | 1.121 |
| MINIMUM Y                     | : | -1.435 | -1.175 | -.923 |
| CENTROID X                    | : | .203   | .109   | .097  |
| CENTROID Y                    | : | .677   | .417   | .564  |
| POA TO CENTROID in.           | : | .706   | .431   | .573  |
| MIN RADIUS                    | : | .113   | .259   | .210  |
| MEAN RADIUS                   | : | .967   | .757   | .700  |
| MAX RADIUS                    | : | 2.482  | 1.299  | 1.159 |
| HORIZONTAL SPREAD             | : | 1.501  | 1.066  | 1.066 |
| VERTICAL SPREAD               | : | 3.768  | 2.443  | 2.044 |
| EXTREME SPREAD                | : | 3.861  | 2.450  | 2.178 |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 2      |       |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 6      |       |
| NUMBER IN THREE INCH CIRCLE = |   |        | 9      |       |