

C6349158

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

\*Includes 1 in chamber.

Remington

## Repair Inquiry

Repair Number: RE00092988

Serial: C6349168 Model: M24 SWS Center Fire  
Caliber: 7.62 NATO Produced: 12/13/1999

Repairman:

Status:

Closed 2/11/2005 7:31:12 AM

Verify Repair

## Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 36201 4199

Country: US

State: AL

Zip Code: 36201 4199

Country: US

FFL:

## Contact / Condition

## Problems

## Estimate

## History / Status

## Shipping / Billing

## Contact Information

Phone:

Fax:

Email:

Comments:

## Received Condition

Good

Condition

Notes:

CSR

Notes:

## Accessories Received

| Code | Desc                  | Qty |
|------|-----------------------|-----|
| A007 | With Stud             | 3   |
| A010 | Hard Case             | 1   |
| A017 | Scope Base            | 1   |
| A026 | Scope                 | 1   |
| A057 | Frt and Rear Sgt Base | 1   |

Repair Search

Refresh

Close

page 1

2/14/2005

9:12 AM

CAPS

NUM

INS

SCPL

start

5

2

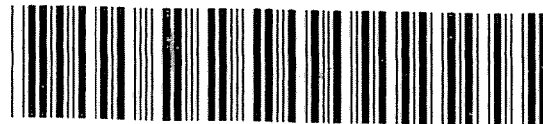
3

Arms Service

Serial Number:

C6349168

Model: M24 SWS



RE00092988

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349168.\_\_\_0  
FILE DATE AND TIME: 04/04/2005 06:56

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.004 |
| The Average Y Centroid of the Five Target Set:              | -0.035 |
| The Average Point of Impact of the Five Target Set:         | 0.035  |
| The Average Mean Radius of the Five Target Set:             | 1.052  |
| The Distance from POA to Centroid Target #1:                | 0.154  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.314  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.111  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.139  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.230  |

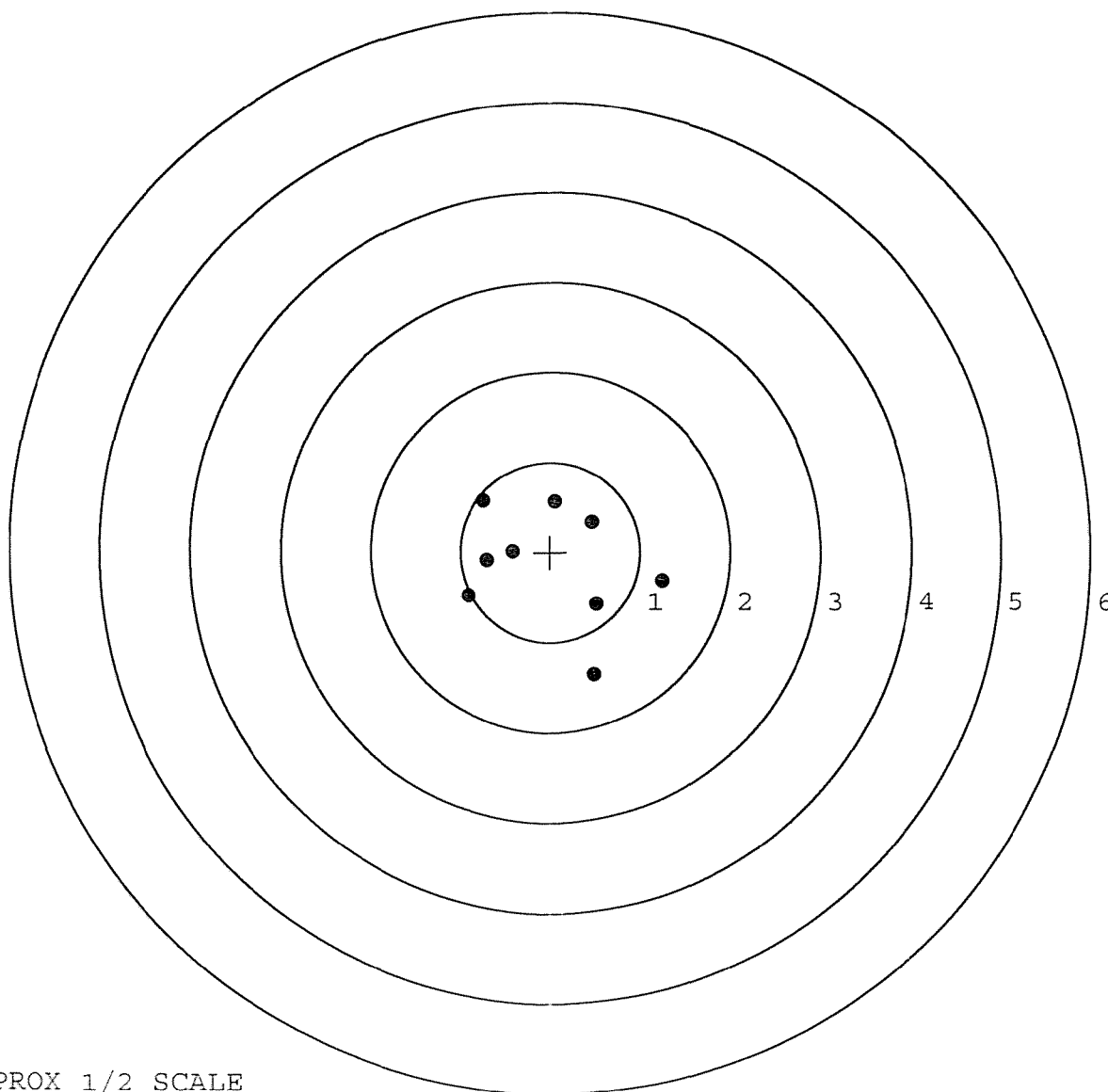
**BARBER - M24 0109294**

SERIAL NUMBER: C6349168. \_\_0  
TARGET NUMBER: 1  
FILE DATE: 04/04/2005  
FILE TIME: 06:56

X CENTROID: 0.000  
Y CENTROID: -0.154  
POA TO CENTROID: 0.154  
HORZ SPREAD: 2.151  
VERT SPREAD: 1.937  
GROUP SPREAD: 2.299  
MIN RADIUS: 0.450  
MAX RADIUS: 1.307  
MEAN RADIUS: 0.866

# IN 1 IN DIAMETER: 1  
# IN 2 IN DIAMETER: 6  
# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.492  | -1.365 |
| 2:     | 0.516  | -0.582 |
| 3:     | 1.240  | -0.322 |
| 4:     | 0.473  | 0.333  |
| 5:     | 0.056  | 0.561  |
| 6:     | -0.420 | 0.008  |
| 7:     | -0.704 | -0.098 |
| 8:     | -0.911 | -0.493 |
| 9:     | -0.746 | 0.572  |

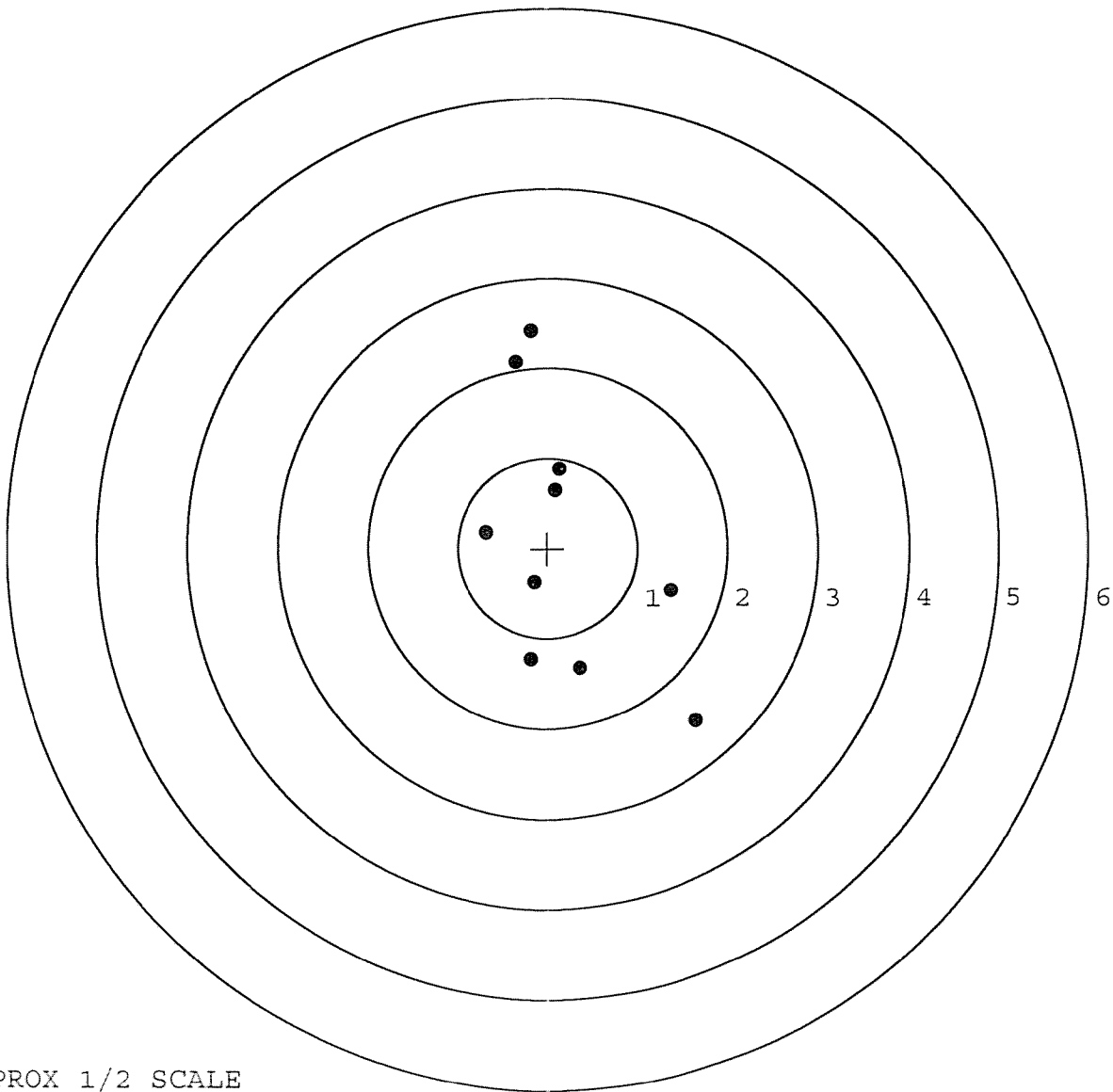


TARGET APPROX 1/2 SCALE

**BARBER - M24 0109295**

SERIAL NUMBER: C6349168. \_\_0  
TARGET NUMBER: 2  
FILE DATE: 04/04/2005  
FILE TIME: 06:56

|                     |       | POINT# | X      | Y      |
|---------------------|-------|--------|--------|--------|
| X CENTROID:         | 0.204 | 1:     | 1.644  | -1.920 |
| Y CENTROID:         | 0.084 | 2:     | 1.366  | -0.473 |
| POA TO CENTROID:    | 0.221 | 3:     | 0.363  | -1.335 |
| HORZ SPREAD:        | 2.329 | 4:     | -0.187 | -1.235 |
| VERT SPREAD:        | 4.339 | 5:     | -0.148 | -0.376 |
| GROUP SPREAD:       | 4.709 | 6:     | -0.685 | 0.179  |
| MIN RADIUS:         | 0.572 | 7:     | 0.090  | 0.644  |
| MAX RADIUS:         | 2.467 | 8:     | 0.138  | 0.875  |
| MEAN RADIUS:        | 1.382 | 9:     | -0.352 | 2.062  |
| # IN 1 IN DIAMETER: | 0     | 10:    | -0.185 | 2.419  |
| # IN 2 IN DIAMETER: | 4     |        |        |        |
| # in 3 IN DIAMETER: | 7     |        |        |        |



TARGET APPROX 1/2 SCALE

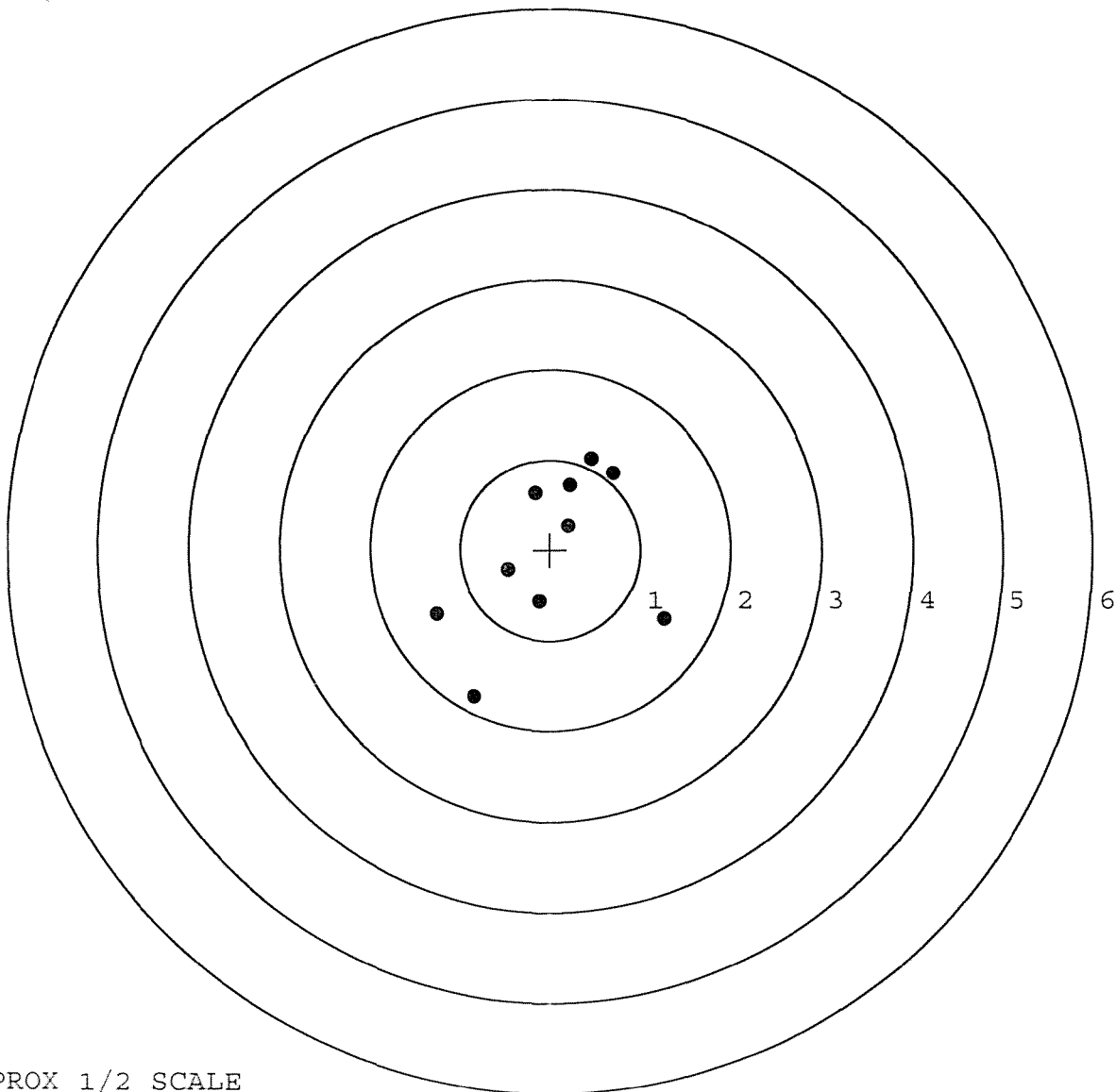
**BARBER - M24 0109296**

SERIAL NUMBER: C6349168. 0  
TARGET NUMBER: 3  
FILE DATE: 04/04/2005  
FILE TIME: 06:56

X CENTROID: 0.002  
Y CENTROID: -0.043  
POA TO CENTROID: 0.043  
HORZ SPREAD: 2.518  
VERT SPREAD: 2.637  
GROUP SPREAD: 2.943  
MIN RADIUS: 0.368  
MAX RADIUS: 1.794  
MEAN RADIUS: 0.986

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.264  | -0.762 |
| 2:     | -0.114 | -0.572 |
| 3:     | -0.470 | -0.221 |
| 4:     | -1.254 | -0.715 |
| 5:     | -0.842 | -1.626 |
| 6:     | 0.206  | 0.264  |
| 7:     | -0.165 | 0.633  |
| 8:     | 0.222  | 0.714  |
| 9:     | 0.464  | 1.011  |
| 10:    | 0.706  | 0.848  |

# IN 1 IN DIAMETER: 1  
# IN 2 IN DIAMETER: 5  
# in 3 IN DIAMETER: 9



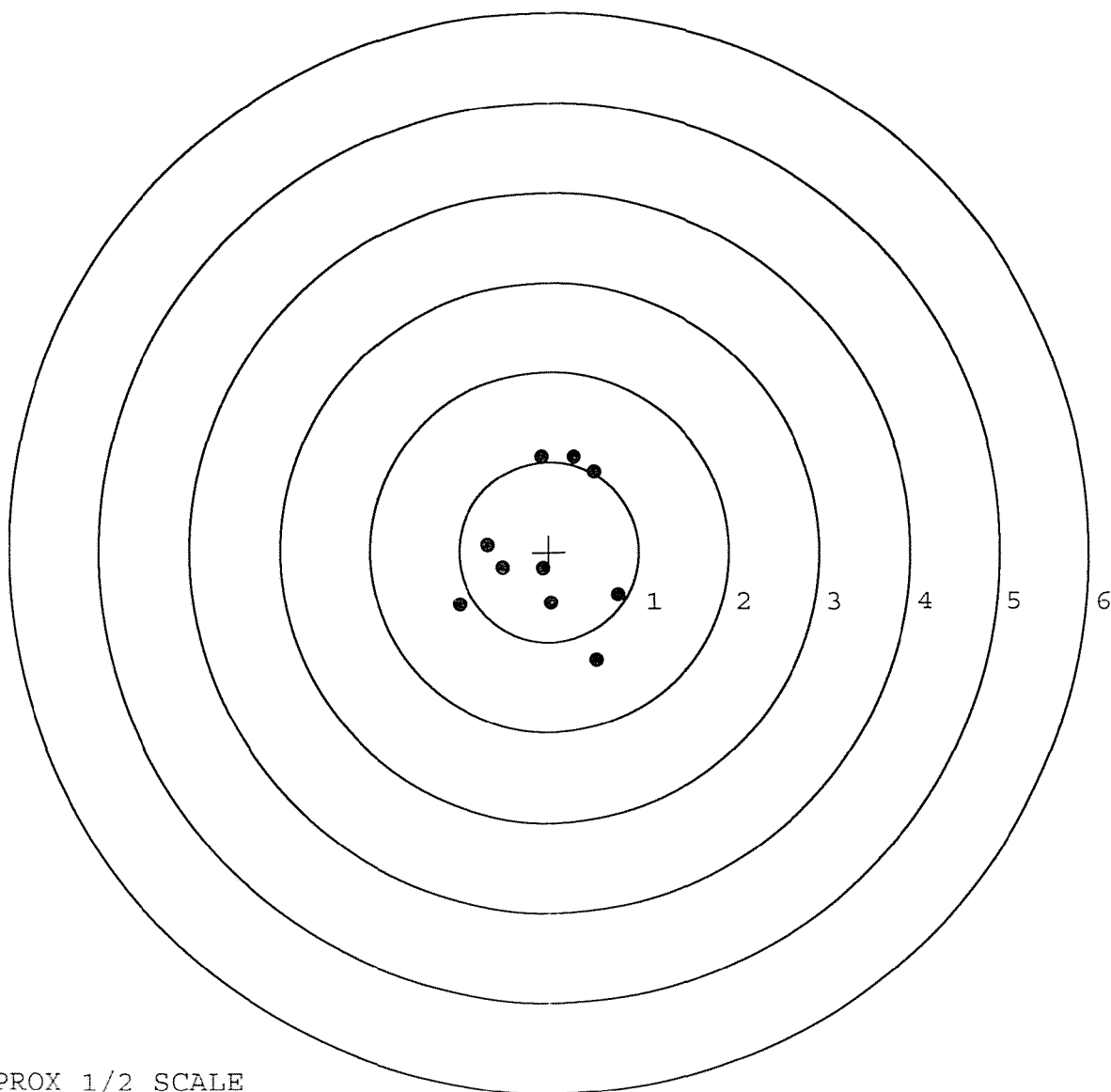
TARGET APPROX 1/2 SCALE

**BARBER - M24 0109297**

SERIAL NUMBER: C6349168. \_\_0  
TARGET NUMBER: 4  
FILE DATE: 04/04/2005  
FILE TIME: 06:56

|  | POINT# | X      | Y      |
|--|--------|--------|--------|
|  | 1:     | 0.769  | -0.482 |
|  | 2:     | 0.532  | -1.213 |
|  | 3:     | 0.023  | -0.572 |
|  | 4:     | -0.071 | -0.184 |
|  | 5:     | -0.514 | -0.179 |
|  | 6:     | -0.680 | 0.075  |
|  | 7:     | -0.999 | -0.600 |
|  | 8:     | -0.081 | 1.055  |
|  | 9:     | 0.283  | 1.049  |
|  | 10:    | 0.509  | 0.883  |

X CENTROID: -0.023  
Y CENTROID: -0.017  
POA TO CENTROID: 0.028  
HORZ SPREAD: 1.768  
VERT SPREAD: 2.268  
GROUP SPREAD: 2.349  
MIN RADIUS: 0.174  
MAX RADIUS: 1.319  
MEAN RADIUS: 0.851  
# IN 1 IN DIAMETER: 1  
# IN 2 IN DIAMETER: 5  
# in 3 IN DIAMETER: 10



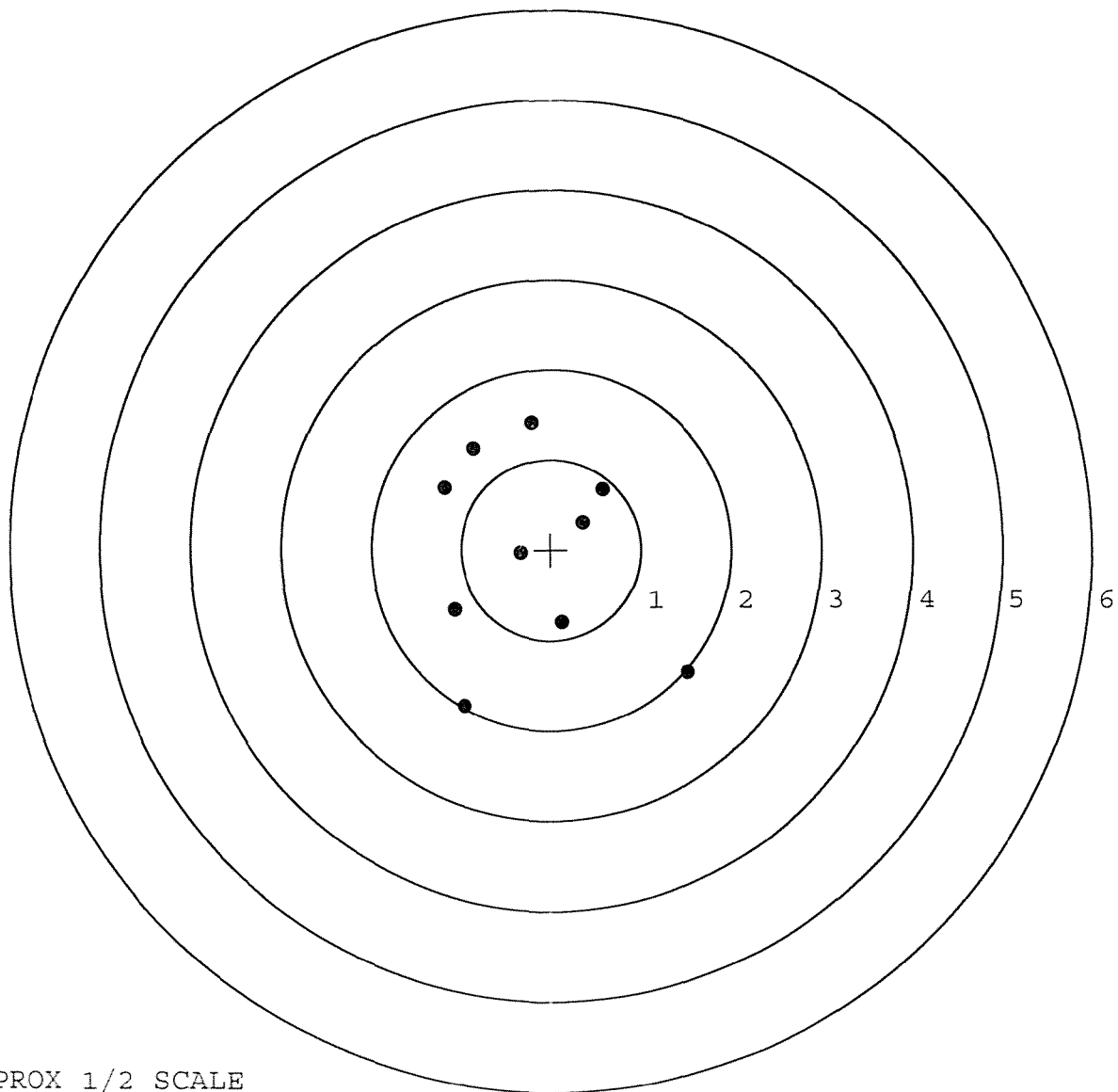
TARGET APPROX 1/2 SCALE

**BARBER - M24 0109298**

SERIAL NUMBER: C6349168. \_\_0  
TARGET NUMBER: 5  
FILE DATE: 04/04/2005  
FILE TIME: 06:56

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.581  | 0.661  |
| 2:     | 0.363  | 0.295  |
| 3:     | -0.339 | -0.045 |
| 4:     | 0.133  | -0.803 |
| 5:     | 1.518  | -1.354 |
| 6:     | -0.961 | -1.740 |
| 7:     | -1.073 | -0.669 |
| 8:     | -1.185 | 0.679  |
| 9:     | -0.857 | 1.114  |
| 10:    | -0.217 | 1.409  |

X CENTROID: -0.204  
Y CENTROID: -0.045  
POA TO CENTROID: 0.209  
HORZ SPREAD: 2.703  
VERT SPREAD: 3.149  
GROUP SPREAD: 3.425  
MIN RADIUS: 0.135  
MAX RADIUS: 2.163  
MEAN RADIUS: 1.177  
# IN 1 IN DIAMETER: 1  
# IN 2 IN DIAMETER: 3  
# in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

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

|                            |                    |                     |         |
|----------------------------|--------------------|---------------------|---------|
| R & E NUMBER               | 92988              |                     |         |
| SERIAL NUMBER              | C6349168           |                     |         |
| LOG-IN DATE                | 2-11-05            |                     |         |
| <b>INSPECT AND VERIFY:</b> |                    |                     |         |
| OPERATION #                | OPERATION NAME     | DATE                | INITIAL |
| 550                        | DIS-ASSEMBLE GUN   | 2-19-05             | RTZ     |
| 560 A                      | RE-BARREL          | 2-22-05             | RTZ     |
| B                          | DRILL AND TAP      | 2-28-05             | TKW     |
| 575                        | ASSEMBLE           | 2-23-05             | RTZ     |
| 600                        | PROOF              | 2-24-05             | AC      |
| 605                        | CHECK HEADSPACE    | 2-24-05             | AC      |
| 610                        | DIS-ASSEMBLE GUN   | 2-24-05             | RTZ     |
| 612                        | MAGNAFLUX          | OPERATOR            |         |
| 615                        | ROLLMARK CALIBER   | 3-1-05              | CW      |
| 618                        | ROTO-BLAST         | 3-3-05              | LB      |
| 620                        | APPLY COATINGS     | 3-16-05             | HP      |
| 625 A                      | FINAL ASSEMBLY     | 3-31-05             | RTZ     |
| B                          | TRIGGER PULL TEST  |                     |         |
| C                          | SAFETY "ON" FORCE  | 4-17-05             | AC      |
| D                          | SAFETY "OFF" FORCE | 4-7-05              | AC      |
| E                          | FIRING PIN INDENT  | 4-7-05              | AC      |
| 640                        | TARGET             | 4-4-05              | AC      |
| 655                        | FINAL INSPECT      | 4-7-05              | AC      |
| 660                        | PACK               | 4-21-05             | DA      |
|                            |                    | SHIP DATE           |         |
|                            |                    | QAR INSPECTION DATE |         |

MOD. \_\_\_\_\_ GA. CAL. \_\_\_\_\_ GUN # C6349168

| # TEST | DATE | MALFUNCTION/DEFECT          | ASSEM. #      |
|--------|------|-----------------------------|---------------|
|        | 1st  | Shaver brass<br>don't eject | DW            |
|        | 2nd  |                             |               |
|        | 3rd  |                             |               |
|        | 4th  |                             |               |
|        |      | FUNCTION                    | RD 6654 Rev 1 |

| TEST INIT. ACTION TO CORRECT |          | ASSEM.<br># |
|------------------------------|----------|-------------|
| PROOF                        |          |             |
| TEST                         |          |             |
| TGT                          |          |             |
| PROOF                        |          |             |
| TEST                         |          |             |
| TGT                          |          |             |
| PROOF                        | ENGINEER |             |
| TEST                         |          |             |
| TGT                          |          |             |
| PROOF                        | ENGINEER |             |
| TEST                         |          |             |
| TGT                          |          |             |

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349168

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT |
|--------------|----------------------------------------------------------------|----------|----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 10-9     | 89       | RW   |
| 600          | Proof                                                          | 10-9     | 89       | A    |
| 607          | Check Headspace                                                | 10-9     | 89       | RW   |
| 610          | Dis-assemble Gun                                               | 10-9     | 89       | RW   |
| 612          | Magnaflux Barrel<br>Action                                     | 10/31/89 |          | KCR  |
|              | Magnaflux Bolt                                                 | 10/31/89 |          | KCR  |
| 615          | Rollmark Caliber                                               |          |          |      |
| 617          | Drill and Tap Sight Holes                                      |          |          |      |
| 618          | Polish Barrel                                                  |          |          |      |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 11-3-89  | TJA  |
|              | Apply Coating (Bolt)                                           |          |          |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 11/6/89  | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 11/6/89  | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 11/6/89  | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 11/6/89  | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 8 Nov 89 | 928  |

**BARBER - M24 0109303**

| op. #        | OP. NAME                                                    | READINGS |      |      |     |     | DATE     | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|-----|-----|----------|------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 5    | 5    |     |     | 11-9-89  | JS   |
|              | G) Safety Off Force                                         | 3        | 3    | 3    |     |     | 11-9-89  | JS   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |     |     | 8/10/89  | JS   |
|              | I) Firing Pin Indent                                        | .020     | .020 | .020 |     |     | 11-9-89  | JS   |
|              | J) Assemble Stock                                           |          |      |      |     |     | 11/13/89 | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |      |     |     | 15/10/89 | JS   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |     |     | 11/13/89 | RW   |
|              | M) Iron Sight Alignment                                     |          |      |      |     |     | 11/13/89 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |     |     | 11/13/89 | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |      |     |     | 13/11/89 | JS   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |     |     | 13/11/89 | JS   |
| 640          | Gallery Target & Test                                       |          |      |      |     |     | 11-14-89 | AC   |
|              | A) Time                                                     |          |      |      |     |     | 11-14-89 | AC   |
|              | B) Malfunctions                                             |          |      |      |     |     | 11-14-89 | AC   |
|              | C) Pierced Primers                                          |          |      |      |     |     | 11-14-89 | AC   |
|              | D) Optical Clarity of Scope                                 |          |      |      |     |     | 11-14-89 | AC   |
| 645          | Inspect for Live Ammo                                       |          |      |      |     |     | 11-14-89 | AC   |
| 655          | Final Inspection                                            |          |      |      |     |     |          |      |
|              | A) Headspace                                                |          |      |      |     |     | 15/10/89 | JS   |
|              | B) Trigger Pull                                             | 223      | 217  | 219  | 218 | 221 | 15/10/89 | JS   |
|              | C) Function                                                 |          |      |      |     |     | 15/10/89 | JS   |
| 660          | Pack                                                        |          |      |      |     |     | 14/10/89 | JS   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06349168

DATE 3-13-90

TESTER JU

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |  | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|--|------------------------------------------------------------------------|
| PULL #1 | 2.45             | 2.28                     | 2.29                           |  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.39             | 2.35                     | 2.55                           |  |                                                                        |
| PULL #3 | 2.38             | 2.26                     | 2.49                           |  |                                                                        |
| PULL #4 | 2.39             | 2.27                     | 2.52                           |  |                                                                        |
| PULL #5 | 2.18             | 2.43                     | 2.52                           |  |                                                                        |
| TOTAL   | 11.77            | 11.59                    | 12.37                          |  |                                                                        |
| AVG.    | 2.354            | 2.318                    | 2.474                          |  |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.41             | 3.47                     |  |          |
| PULL #2 | 3.35             | 3.22                     |  |          |
| PULL #3 | 3.33             | 3.42                     |  |          |
| PULL #4 | 3.24             | 3.39                     |  |          |
| PULL #5 | 3.34             | 3.40                     |  |          |
| TOTAL   | 16.67            | 16.90                    |  |          |
| AVG.    | 3.334            | 3.38                     |  |          |

|         | 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 | 4.54             | 4.43                     |                                |                                      |
| PULL #2 | 4.34             | 4.41                     |                                |                                      |
| PULL #3 | 4.45             | 4.38                     |                                |                                      |
| PULL #4 | 4.31             | 4.40                     |                                |                                      |
| PULL #5 | 4.47             | 4.35                     |                                |                                      |
| TOTAL   | 22.11            | 21.97                    |                                |                                      |
| AVG.    | 4.422            | 4.394                    |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6349168  
14 Nov 1989

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .427818 |
| 1 TO | 2 | .948323 |
| 1 TO | 3 | .941429 |
| 1 TO | 4 | .61573  |
| 1 TO | 5 | .41703  |

$\frac{2}{3} \times 10^4$  <----POA

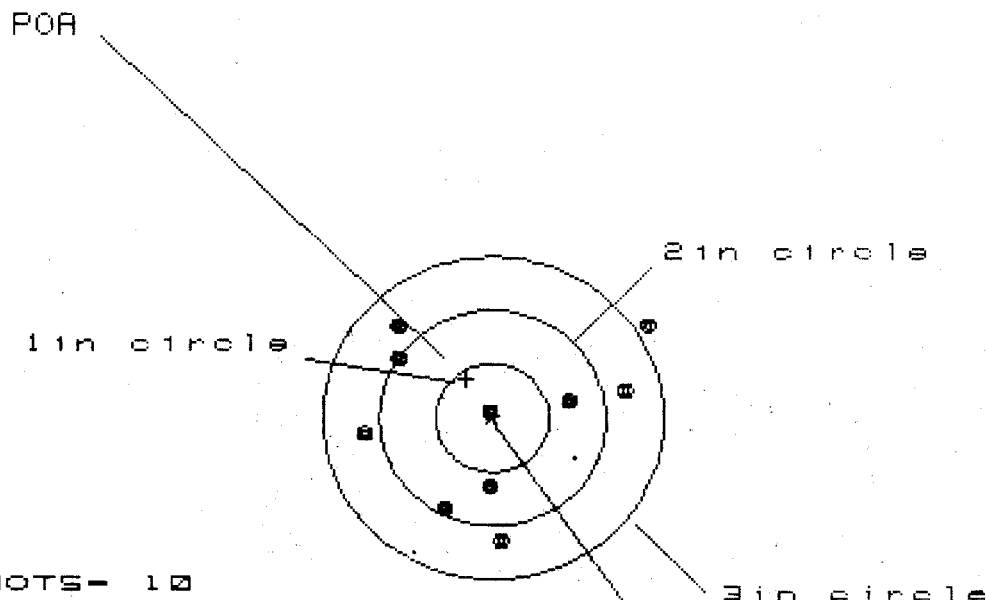
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0604  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0358  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0702125

THE ~~POI~~ FOR THIS RIFLE IS: .8428

14 Nov 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/C6349168

## CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 4

3in = 9

HS= 2.477

VS= 2.069

GS= 2.665

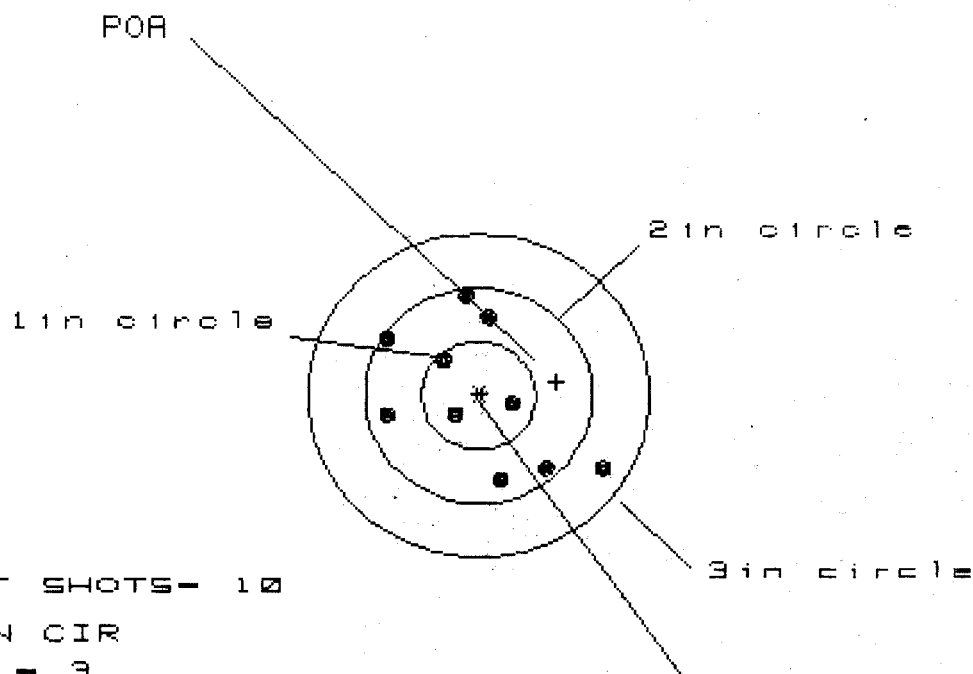
CENTROID \*

| PATTERN #                   | : | 1      | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.378  | 1.364  | 1.274  |
| MINIMUM X                   | : | -1.099 | -.946  | -1.036 |
| MAXIMUM Y                   | : | .895   | .991   | .749   |
| MINIMUM Y                   | : | -1.174 | -1.078 | -.954  |
| CENTROID X                  | : | .228   | .075   | .165   |
| CENTROID Y                  | : | -.362  | -.458  | -.582  |
| POA TO CENTROID in.         | : | .428   | .464   | .605   |
| MIN RADIUS                  | : | .122   | .207   | .316   |
| MEAN RADIUS                 | : | .986   | .901   | .850   |
| MAX RADIUS                  | : | 1.629  | 1.403  | 1.352  |
| HORIZONTAL SPREAD           | : | 2.477  | 2.310  | 2.310  |
| VERTICAL SPREAD             | : | 2.069  | 2.069  | 1.703  |
| EXTREME SPREAD              | : | 2.665  | 2.335  | 2.335  |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

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## CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 9

3in = 10

HS= 1.857

VS= 1.717

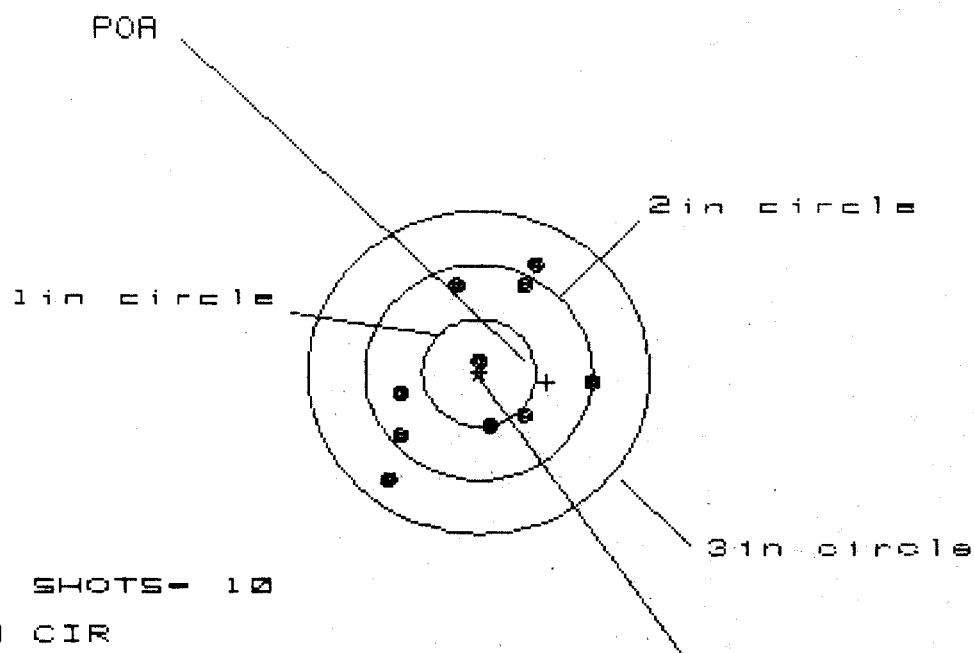
GS= 2.235

| PATTERN #                     | : | 10    | 9     | 8     |
|-------------------------------|---|-------|-------|-------|
| SHOTS (BEST OF)               | : | 10    | 9     | 8     |
| MAXIMUM X                     | : | 1.043 | .728  | .641  |
| MINIMUM X                     | : | -.814 | -.699 | -.785 |
| MAXIMUM Y                     | : | .950  | .874  | .934  |
| MINIMUM Y                     | : | -.767 | -.843 | -.783 |
| CENTROID X                    | : | -.691 | -.806 | -.719 |
| CENTROID Y                    | : | -.128 | -.052 | -.112 |
| POA TO CENTROID in.           | : | .702  | .808  | .728  |
| MIN RADIUS                    | : | .297  | .295  | .290  |
| MEAN RADIUS                   | : | .752  | .683  | .659  |
| MAX RADIUS                    | : | 1.247 | 1.038 | .939  |
| HORIZONTAL SPREAD             | : | 1.857 | 1.427 | 1.426 |
| VERTICAL SPREAD               | : | 1.717 | 1.717 | 1.717 |
| EXTREME SPREAD                | : | 2.235 | 1.879 | 1.771 |
| NUMBER IN ONE INCH CIRCLE =   | : | 3     |       |       |
| NUMBER IN TWO INCH CIRCLE =   | : | 9     |       |       |
| NUMBER IN THREE INCH CIRCLE = | : | 10    |       |       |

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## CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1in - 2

2in - 8

3in = 10

HS= 1.783

VS= 1.995

GS= 2.380

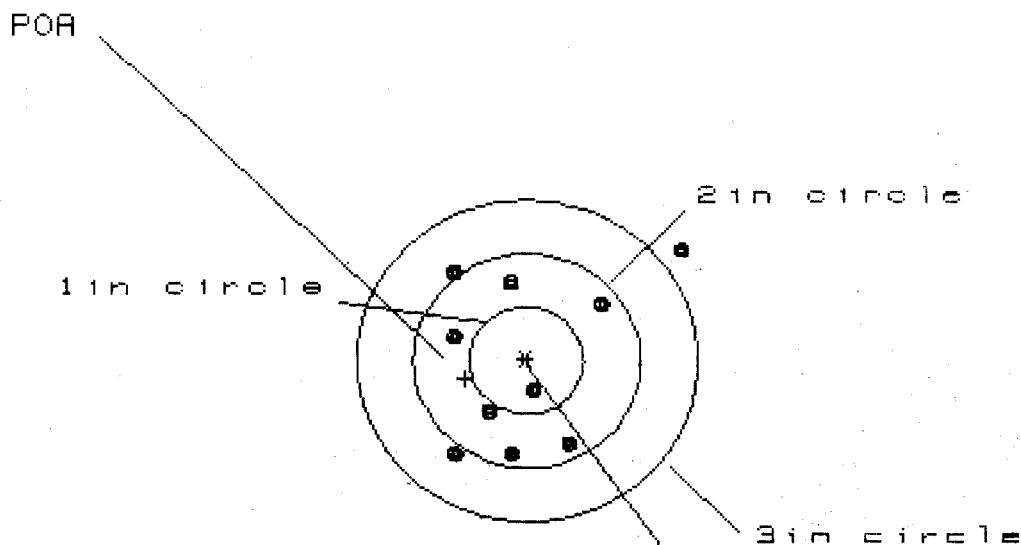
CENTROID \*

| PATTERN #                   | : | 10    | 9     | 8     |
|-----------------------------|---|-------|-------|-------|
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | .955  | .863  | .910  |
| MINIMUM X                   | : | -.828 | -.771 | -.724 |
| MAXIMUM Y                   | : | 1.016 | .907  | .832  |
| MINIMUM Y                   | : | -.979 | -.681 | -.568 |
| CENTROID X                  | : | -.600 | -.508 | -.555 |
| CENTROID Y                  | : | .086  | .195  | .082  |
| POA TO CENTROID in.         | : | .606  | .544  | .561  |
| MIN RADIUS                  | : | .081  | .080  | .088  |
| MEAN RADIUS                 | : | .775  | .716  | .668  |
| MAX RADIUS                  | : | 1.282 | 1.029 | .920  |
| HORIZONTAL SPREAD           | : | 1.783 | 1.634 | 1.634 |
| VERTICAL SPREAD             | : | 1.995 | 1.588 | 1.399 |
| EXTREME SPREAD              | : | 2.380 | 1.960 | 1.779 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 8     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 10    |       |

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## CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1in - 1

2in - 7

3in = 8

HS- 2.040

VS= 1.900

GS= 2.760

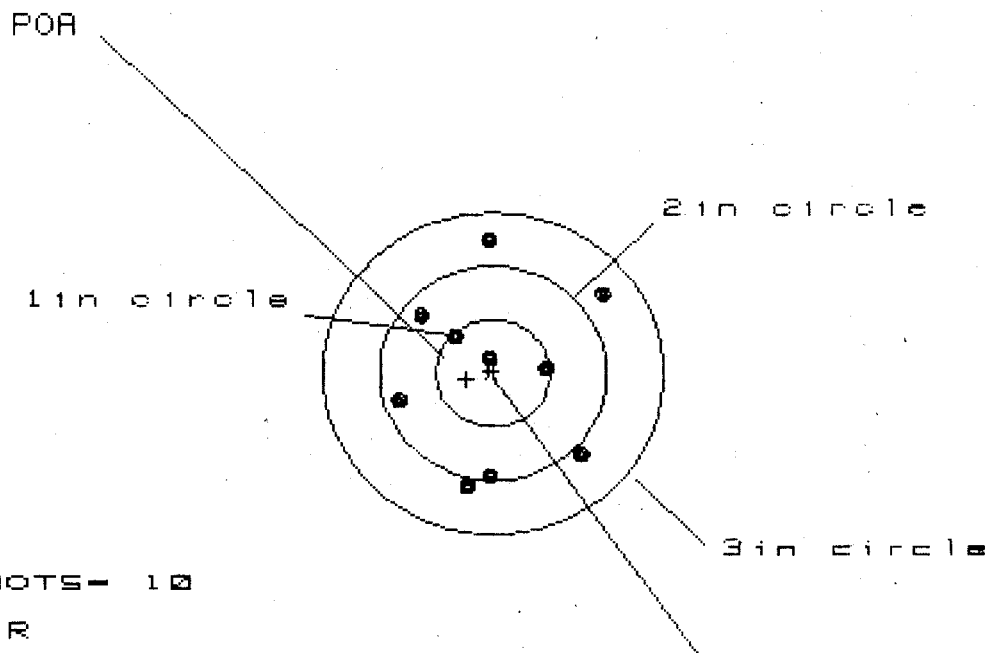
CENTROID \*

| PATTERN #                   | : | 4     |       |       |
|-----------------------------|---|-------|-------|-------|
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | 1.396 | .780  | .720  |
| MINIMUM X                   | : | -.644 | -.489 | -.549 |
| MAXIMUM Y                   | : | .999  | .938  | .844  |
| MINIMUM Y                   | : | -.901 | -.790 | -.884 |
| CENTROID X                  | : | .538  | .383  | .443  |
| CENTROID Y                  | : | .170  | .059  | .153  |
| POA TO CENTROID in.         | : | .564  | .387  | .469  |
| MIN RADIUS                  | : | .266  | .277  | .296  |
| MEAN RADIUS                 | : | .861  | .737  | .720  |
| MAX RADIUS                  | : | 1.717 | 1.053 | 1.001 |
| HORIZONTAL SPREAD           | : | 2.040 | 1.269 | 1.269 |
| VERTICAL SPREAD             | : | 1.900 | 1.728 | 1.728 |
| EXTREME SPREAD              | : | 2.760 | 1.872 | 1.858 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 1     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 7     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 9     |       |

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## CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in - 3

2in - 6

3in - 10

HS- 1.816

VS- 2.364

GS- 2.377

| PATTERN #                     | 5      | 9     | 8     |
|-------------------------------|--------|-------|-------|
| SHOTS (BEST OF)               | 10     | 9     | 8     |
| MAXIMUM X                     | .948   | .950  | .856  |
| MINIMUM X                     | -.868  | -.866 | -.747 |
| MAXIMUM Y                     | 1.263  | .910  | .776  |
| MINIMUM Y                     | -1.101 | -.961 | -.847 |
| CENTROID X                    | .233   | .231  | .112  |
| CENTROID Y                    | .055   | -.085 | -.199 |
| POA TO CENTROID in.           | .239   | .246  | .229  |
| MIN RADIUS                    | .115   | .255  | .391  |
| MEAN RADIUS                   | .840   | .800  | .736  |
| MAX RADIUS                    | 1.263  | 1.316 | .983  |
| HORIZONTAL SPREAD             | 1.816  | 1.816 | 1.603 |
| VERTICAL SPREAD               | 2.364  | 1.871 | 1.623 |
| EXTREME SPREAD                | 2.377  | 2.215 | 1.850 |
| NUMBER IN ONE INCH CIRCLE =   | 3      |       |       |
| NUMBER IN TWO INCH CIRCLE =   | 6      |       |       |
| NUMBER IN THREE INCH CIRCLE = | 10     |       |       |

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