

4

C6349225

72

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

## Arms Services Repair &amp; Estimate System

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

## Repair Inquiry

Repair Number: RE00134983

Serial: C6349225 Model M24 SWS Center Fire  
Caliber: 7.62 NATO Produced: 06/19/1990

Repairman:

Verify Repair

Status:

Closed 10/5/2007 8:05:57 AM

## Address Information

Customer:

Received From

Return To:

Received From

Name: FB4484 305 APS/TRTC

FB4484 305 APS/TRTC

Address 1: 1757 VANDENBERG AVE

1757 VANDENBERG AVE

Address 2:

PO Box:

PO Box:

City: MCGUIRE AFB

MCGUIRE AFB

State: NJ

Zip Code: 08641-5270

Country: US

State: NJ

Zip Code: 08641-5270

Country: US

FFL:

## Contact / Condition

## Problems

## Estimate

## History / Status

## Shipping / Billing

## Contact Information

Phone: NN

Fax:

Email:

Comments:

## Received Condition

Fair

Condition  
Notes:CSR  
Notes:

## Accessories Received

| Code | Desc                  | Qt |
|------|-----------------------|----|
| A006 | Sling Strap           | 1  |
| A007 | With Stud             | 3  |
| A010 | Hard Case             | 1  |
| A017 | Scope Base            | 1  |
| A026 | Scope                 | 1  |
| A055 | Deployment Kit        | 1  |
| A057 | Fit and Rear Sgt Base | 1  |
| NNNN | SCOPE CASE            | 1  |

## Repair Search

## Refresh

## Close

naglej

10/8/2007

11:00 AM

CAPS

NUM

INS

SCRL



Serial Number: C6349225

Model: M24 SWS



RE00134983

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349225.\_\_\_0

FILE DATE AND TIME: 11/08/2007 06:53

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.062 |
| The Average Y Centroid of the Five Target Set:              | -0.044 |
| The Average Point of Impact of the Five Target Set:         | 0.076  |
| The Average Mean Radius of the Five Target Set:             | 0.789  |
| The Distance from POA to Centroid Target #1:                | 0.105  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.127  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.142  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.056  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.121  |

SERIAL NUMBER: C6349225. \_\_0

TARGET NUMBER: 1

FILE DATE: 11/08/2007

FILE TIME: 06:53

| POINT# | X | Y |
|--------|---|---|
|--------|---|---|

|    |        |        |
|----|--------|--------|
| 1: | -0.207 | -0.526 |
|----|--------|--------|

|    |        |        |
|----|--------|--------|
| 2: | -0.508 | -0.916 |
|----|--------|--------|

|    |        |        |
|----|--------|--------|
| 3: | -0.637 | -0.569 |
|----|--------|--------|

|    |        |        |
|----|--------|--------|
| 4: | -0.184 | -0.168 |
|----|--------|--------|

|    |       |       |
|----|-------|-------|
| 5: | 0.664 | 0.104 |
|----|-------|-------|

|    |       |       |
|----|-------|-------|
| 6: | 0.129 | 0.083 |
|----|-------|-------|

|    |       |       |
|----|-------|-------|
| 7: | 0.423 | 0.456 |
|----|-------|-------|

|    |       |       |
|----|-------|-------|
| 8: | 1.180 | 1.680 |
|----|-------|-------|

|    |        |       |
|----|--------|-------|
| 9: | -1.423 | 0.597 |
|----|--------|-------|

|     |       |        |
|-----|-------|--------|
| 10: | 0.570 | -1.790 |
|-----|-------|--------|

X CENTROID: 0.001

Y CENTROID: -0.105

POA TO CENTROID: 0.105

HORZ SPREAD: 2.603

VERT SPREAD: 3.470

GROUP SPREAD: 3.523

MIN RADIUS: 0.195

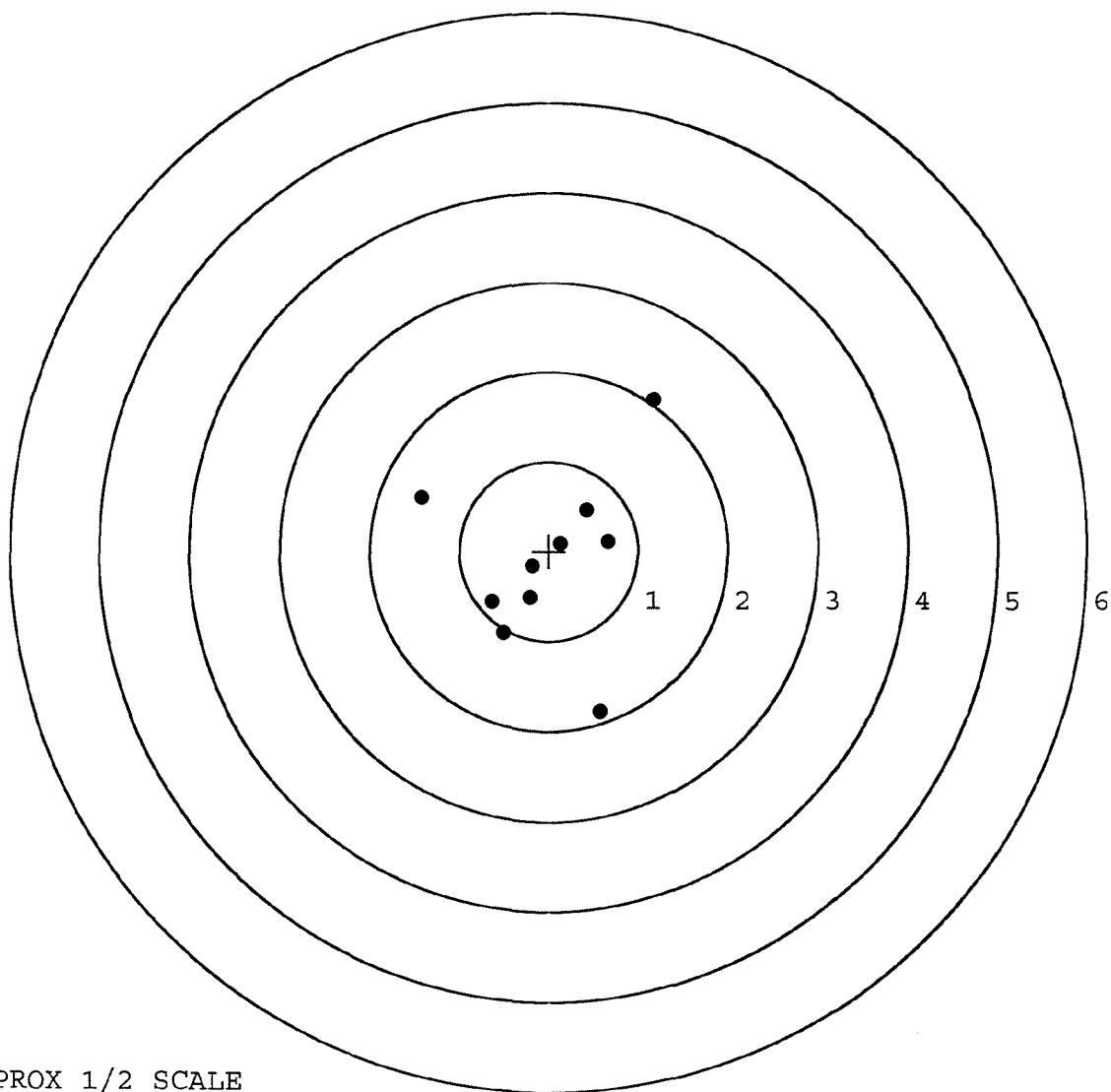
MAX RADIUS: 2.139

MEAN RADIUS: 0.954

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349225. \_\_0

TARGET NUMBER: 2

FILE DATE: 11/08/2007

FILE TIME: 06:53

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.321  | -0.861 |
| 2:     | 0.799  | 0.046  |
| 3:     | -0.055 | -0.175 |
| 4:     | -0.666 | -0.085 |
| 5:     | -0.741 | -0.389 |
| 6:     | -0.731 | -0.573 |
| 7:     | -0.604 | -0.905 |
| 8:     | 0.250  | 0.549  |
| 9:     | 0.722  | 0.838  |
| 10:    | -0.404 | 1.112  |

X CENTROID: -0.111

Y CENTROID: -0.044

POA TO CENTROID: 0.119

HORZ SPREAD: 1.540

VERT SPREAD: 2.017

GROUP SPREAD: 2.190

MIN RADIUS: 0.142

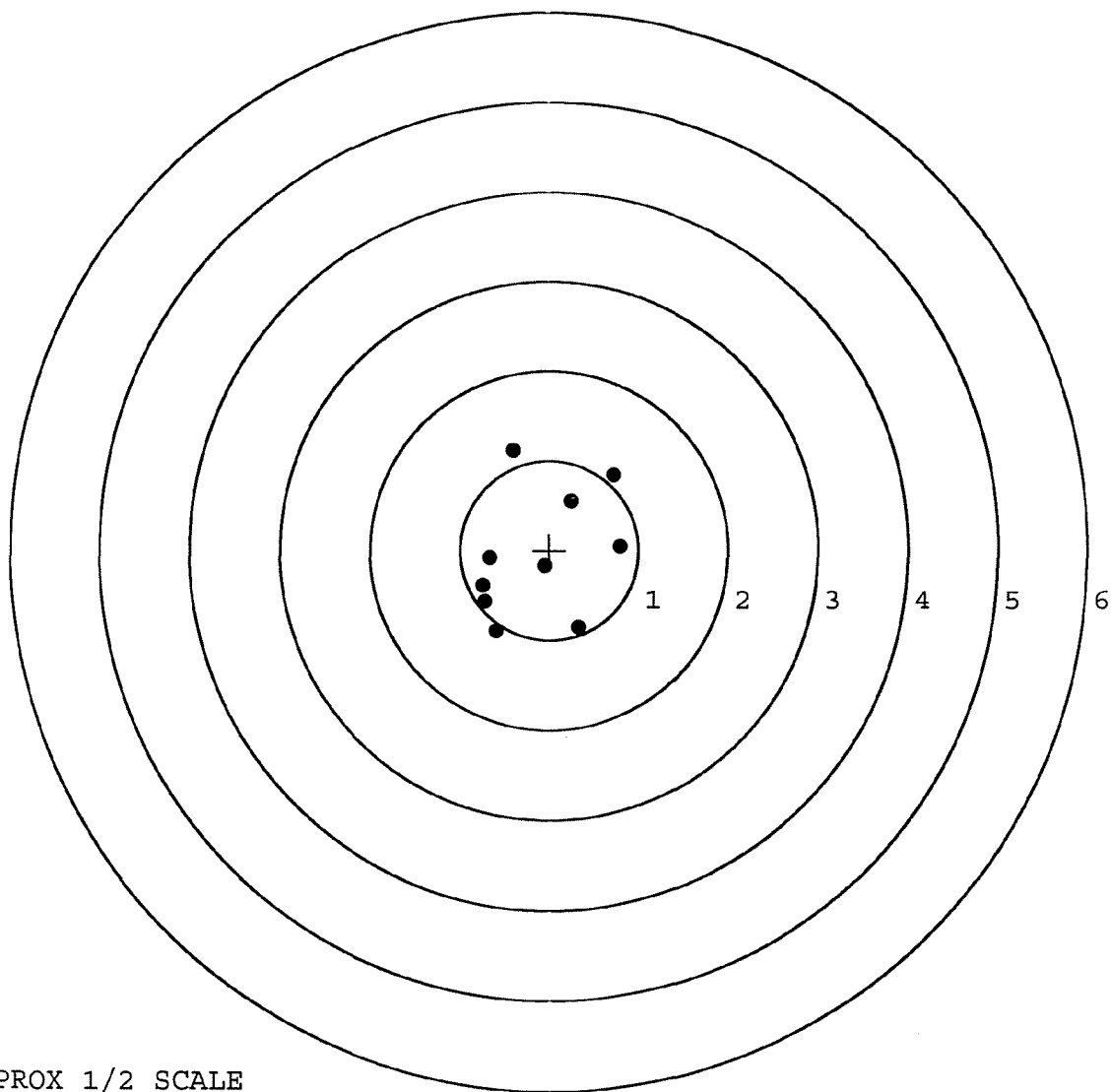
MAX RADIUS: 1.213

MEAN RADIUS: 0.816

# IN 1 IN DIAMETER: 1

# IN 2 IN DIAMETER: 8

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349225. \_\_0

TARGET NUMBER: 3

FILE DATE: 11/08/2007

FILE TIME: 06:53

| POINT# | X | Y |
|--------|---|---|
|--------|---|---|

|    |       |        |
|----|-------|--------|
| 1: | 0.516 | -0.573 |
|----|-------|--------|

|    |       |       |
|----|-------|-------|
| 2: | 0.481 | 0.117 |
|----|-------|-------|

|    |       |       |
|----|-------|-------|
| 3: | 0.609 | 0.207 |
|----|-------|-------|

|    |        |       |
|----|--------|-------|
| 4: | -0.398 | 0.319 |
|----|--------|-------|

|    |        |       |
|----|--------|-------|
| 5: | -0.663 | 0.434 |
|----|--------|-------|

|    |        |       |
|----|--------|-------|
| 6: | -0.695 | 0.665 |
|----|--------|-------|

|    |       |        |
|----|-------|--------|
| 7: | 0.034 | -0.315 |
|----|-------|--------|

|    |        |        |
|----|--------|--------|
| 8: | -0.173 | -0.148 |
|----|--------|--------|

|    |        |        |
|----|--------|--------|
| 9: | -0.429 | -0.265 |
|----|--------|--------|

|     |        |        |
|-----|--------|--------|
| 10: | -0.173 | -0.394 |
|-----|--------|--------|

X CENTROID: -0.089

Y CENTROID: 0.005

POA TO CENTROID: 0.089

HORZ SPREAD: 1.304

VERT SPREAD: 1.238

GROUP SPREAD: 1.732

MIN RADIUS: 0.174

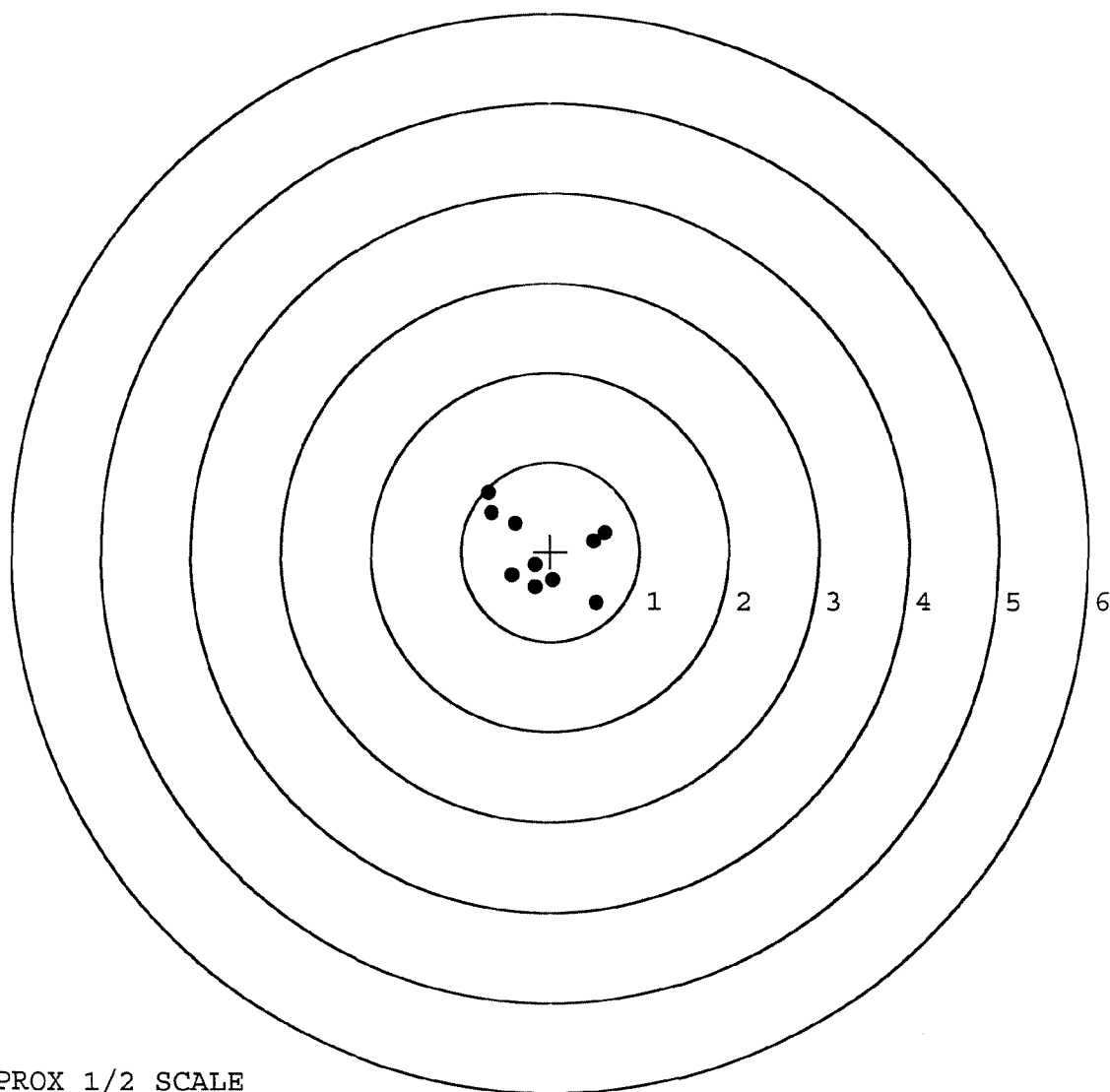
MAX RADIUS: 0.896

MEAN RADIUS: 0.556

# IN 1 IN DIAMETER: 5

# IN 2 IN DIAMETER: 10

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349225. \_\_0

TARGET NUMBER: 4

FILE DATE: 11/08/2007

FILE TIME: 06:53

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.197  | 0.982  |
| 2:     | 0.346  | 0.694  |
| 3:     | -0.127 | 1.368  |
| 4:     | 0.576  | 0.073  |
| 5:     | 0.041  | -0.366 |
| 6:     | -0.039 | -0.557 |
| 7:     | -0.525 | -0.656 |
| 8:     | -0.770 | -0.290 |
| 9:     | -0.183 | 0.212  |
| 10:    | 0.071  | -2.136 |

X CENTROID: -0.041

Y CENTROID: -0.068

POA TO CENTROID: 0.079

HORZ SPREAD: 1.346

VERT SPREAD: 3.504

GROUP SPREAD: 3.510

MIN RADIUS: 0.310

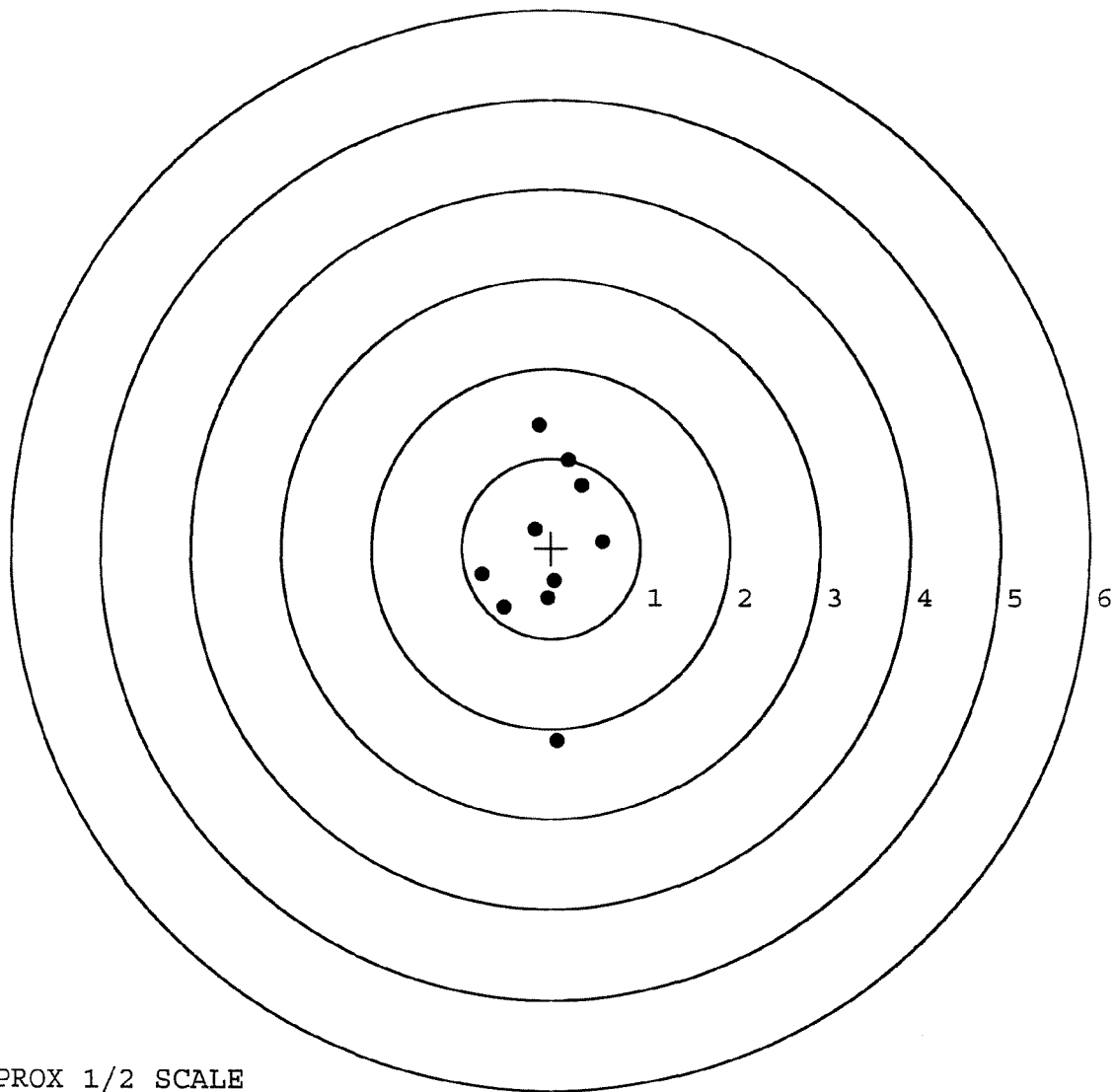
MAX RADIUS: 2.071

MEAN RADIUS: 0.871

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349225. 0

TARGET NUMBER: 5

FILE DATE: 11/08/2007

FILE TIME: 06:53

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.256 | -1.298 |
| 2:     | -0.182 | -0.889 |
| 3:     | 0.038  | -0.615 |
| 4:     | 0.076  | -0.330 |
| 5:     | -0.085 | -0.386 |
| 6:     | -0.187 | 0.214  |
| 7:     | -0.149 | 0.537  |
| 8:     | -0.345 | 0.925  |
| 9:     | -0.266 | 1.097  |
| 10:    | 0.674  | 0.689  |

X CENTROID: -0.068

Y CENTROID: -0.006

POA TO CENTROID: 0.068

HORZ SPREAD: 1.019

VERT SPREAD: 2.395

GROUP SPREAD: 2.395

MIN RADIUS: 0.250

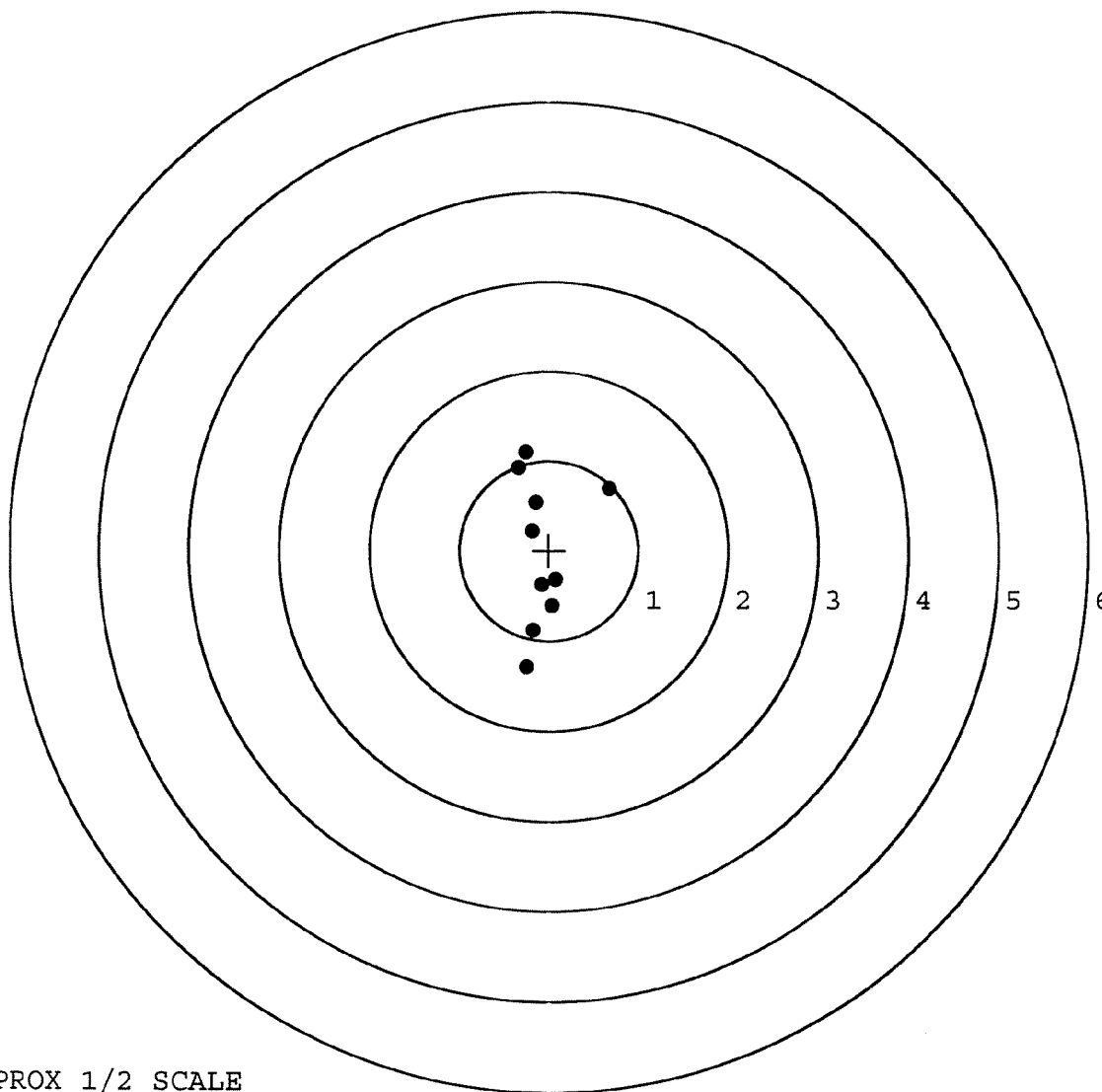
MAX RADIUS: 1.306

MEAN RADIUS: 0.746

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

| R & E NUMBER  | 134983               |                                                                                                                                                                        |                                |
|---------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| SERIAL NUMBER | C6349225             |                                                                                                                                                                        |                                |
| LOG-IN DATE   | 10-5-07              |                                                                                                                                                                        |                                |
| OPERATION #   | OPERATION NAME       | DATE                                                                                                                                                                   | INITIAL                        |
| 500           | DIS-ASSEMBLE GUN     | 10-11-07                                                                                                                                                               | RTZ                            |
| 505           | RE-BARREL            | 10-12-07                                                                                                                                                               | RTZ                            |
| 560           | ASSEMBLE             | 10-12-07                                                                                                                                                               | RTZ                            |
| 600           | PROOF                | 10-15-07                                                                                                                                                               | TRW                            |
| 605           | CHECK HEADSPACE      | MAGNA-FLUX<br>10-15-07                                                                                                                                                 | TRW                            |
| 610           | DIS-ASSEMBLE GUN     | 10-16-07                                                                                                                                                               | RTZ                            |
| 612           | MAGNAFLUX            | 10-22-07                                                                                                                                                               | JB                             |
| 510           | DRILL AND TAP        | OPERATOR JB<br>10-17-07                                                                                                                                                | TRW                            |
| 615           | ROLLMARK CALIBER     | 10-18-07                                                                                                                                                               | CW                             |
| 618           | ROTO-BLAST           | 10-22-07                                                                                                                                                               | dy                             |
| 620           | APPLY COATINGS       | 10-25-07                                                                                                                                                               | CM                             |
| 625           | FINAL ASSEMBLY       | 10-26-07                                                                                                                                                               | RTZ                            |
| 640           | FUNCTION TEST AND    | PASS FAIL                                                                                                                                                              | 11-7-07 TRW                    |
| 650           | TARGET               | PASS FAIL                                                                                                                                                              | 11-7-07 TRW                    |
|               | MALFUNCTION          | CORRECTION                                                                                                                                                             |                                |
|               | MALFUNCTION          | CORRECTION                                                                                                                                                             |                                |
|               | MALFUNCTION          | CORRECTION                                                                                                                                                             |                                |
|               | MALFUNCTION          | CORRECTION                                                                                                                                                             | 11-7-07 FM                     |
| 670           | FINAL INSPECTION     |                                                                                                                                                                        |                                |
|               | A) HEADSPACE         | PASS FAIL                                                                                                                                                              |                                |
|               | B) TRIGGER PULL      | <div style="border: 1px solid black; padding: 2px; display: inline-block;">           +/- .5 LBS<br/>           MIN 2.50 LBS<br/>           MAX 4.0 LBS         </div> | 295 295 288 294 298 11-9-07 DA |
| 680           | F) SAFETY ON FORCE   | <div style="border: 1px solid black; padding: 2px; display: inline-block;">           2 LBS MIN<br/>           10 LBS MAX         </div>                               | 52 55 55 11-19-07 DA           |
|               | G) SAFETY OFF FORCE  | <div style="border: 1px solid black; padding: 2px; display: inline-block;">           2 LBS<br/>           MIN         </div>                                          | 2.5 2.5 2.5 11-19-07 DA        |
|               | I) FIRING PIN INDENT | .020                                                                                                                                                                   | .024 .024 .024 11-19-07 DA     |
| 690           | PACK                 |                                                                                                                                                                        | 3-10-08 DA                     |




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

|                                                                                      |  |                        |
|--------------------------------------------------------------------------------------|--|------------------------|
| MODEL 700 <sup>TM</sup> H24                                                          |  | SERIAL NO.<br>C6349225 |
| MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee. |  | ORDER NO.<br>5716      |



5716 C6349225

UPC



0 47700 25716 7

**M2400110553**

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

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

SERIAL NO. 16349225

DATE 3-26-96

TESTER DA

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------------------------------------------------------------------------|
| PULL #1 | 2.44             | 2.71                     | 2.71                           | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.54             | 2.50                     | 2.67                           |                                                                        |
| PULL #3 | 2.43             | 2.60                     | 2.61                           |                                                                        |
| PULL #4 | 2.44             | 2.60                     | 2.63                           |                                                                        |
| PULL #5 | 2.55             | 2.76                     | 2.60                           |                                                                        |
| TOTAL   | 1240             | 13.17                    | 13.22                          |                                                                        |
| AVG.    | 2.48             | 2.63                     | 2.64                           |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES | COMMENTS |
|---------|------------------|--------------------------|----------|
| PULL #1 | 3.20             | 3.31                     |          |
| PULL #2 | 3.38             | 3.27                     |          |
| PULL #3 | 3.29             | 3.37                     |          |
| PULL #4 | 3.30             | 3.24                     |          |
| PULL #5 | 3.21             | 3.33                     |          |
| TOTAL   | 1638             | 16.52                    |          |
| AVG.    | 3.27             | 3.30                     |          |

|         | 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 | 4.29             | 4.17                     |                                | 4.13                                 |
| PULL #2 | 4.21             | 4.05                     |                                | 4.11                                 |
| PULL #3 | 4.29             | 4.26                     |                                | 4.11                                 |
| PULL #4 | 4.25             | 4.30                     |                                | 4.02                                 |
| PULL #5 | 4.30             | 4.11                     |                                | 4.19                                 |
| TOTAL   | 2134             | 20.89                    |                                | 20.56                                |
| AVG.    | 4.26             | 4.17                     |                                | 4.11                                 |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06349225  
11 Feb 1900

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .703096 |
| 1 TO | 2 | .349824 |
| 1 TO | 3 | .229924 |
| 1 TO | 4 | .453206 |
| 1 TO | 5 | .275975 |

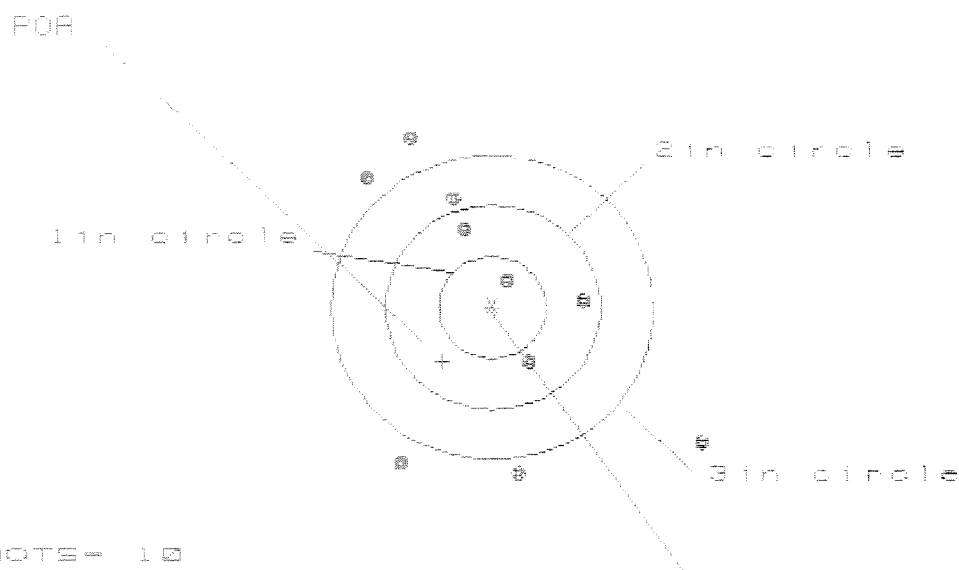
+ <sup>4</sup>/<sub>35</sub> -----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .6142  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .535  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .814535  
THE AMR FOR THIS RIFLE IS: 1.053

11 Feb 1968

FILE:/PATTERNING/CENTERFIRE\_PATT/08345225

# CENTERFIRE PATTERNS # 1



# OF SHOTS= 10

# IN CIR

1in = 1

2in = 4

3in = 5

HS= 3.150

VS= 3.304

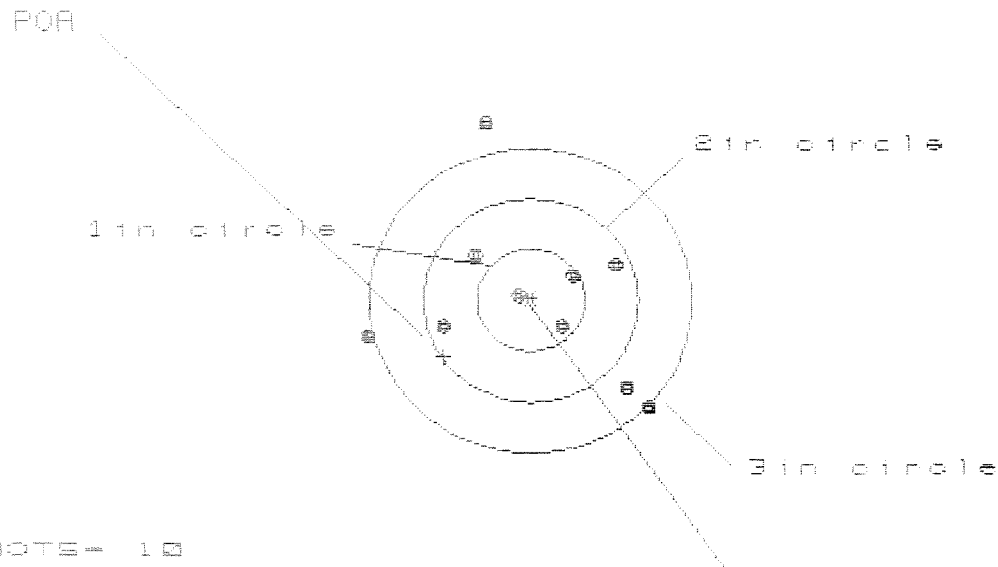
GS= 4.092

| PATTERN #                   | 1      | 2      | 3      |
|-----------------------------|--------|--------|--------|
| SHOTS (BEST OF)             | 10     | 9      | 8      |
| MAXIMUM X                   | 1.986  | 1.018  | .948   |
| MINIMUM X                   | -1.164 | -.944  | -1.014 |
| MAXIMUM Y                   | 1.673  | 1.525  | 1.271  |
| MINIMUM Y                   | -1.631 | -1.779 | -1.589 |
| CENTROID X                  | .462   | .241   | .311   |
| CENTROID Y                  | .530   | .678   | .488   |
| POA TO CENTROID in.         | .703   | .720   | .579   |
| MIN RADIUS                  | .288   | .337   | .397   |
| MEAN RADIUS                 | 1.298  | 1.163  | 1.110  |
| MAX RADIUS                  | 2.395  | 1.828  | 1.647  |
| HORIZONTAL SPREAD           | 3.150  | 1.962  | 1.962  |
| VERTICAL SPREAD             | 3.304  | 3.304  | 2.860  |
| EXTREME SPREAD              | 1.092  | 2.447  | 2.167  |
| NUMBER IN ONE INCH CIRCLE   | =      | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | =      | 4      |        |
| NUMBER IN THREE INCH CIRCLE | =      | 5      |        |

11 Feb 1968

FILE:/PATTERNING/CENTERFIRE\_PATT/06349225

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 5

3in = 8

HE= 2.566

VS= 2.779

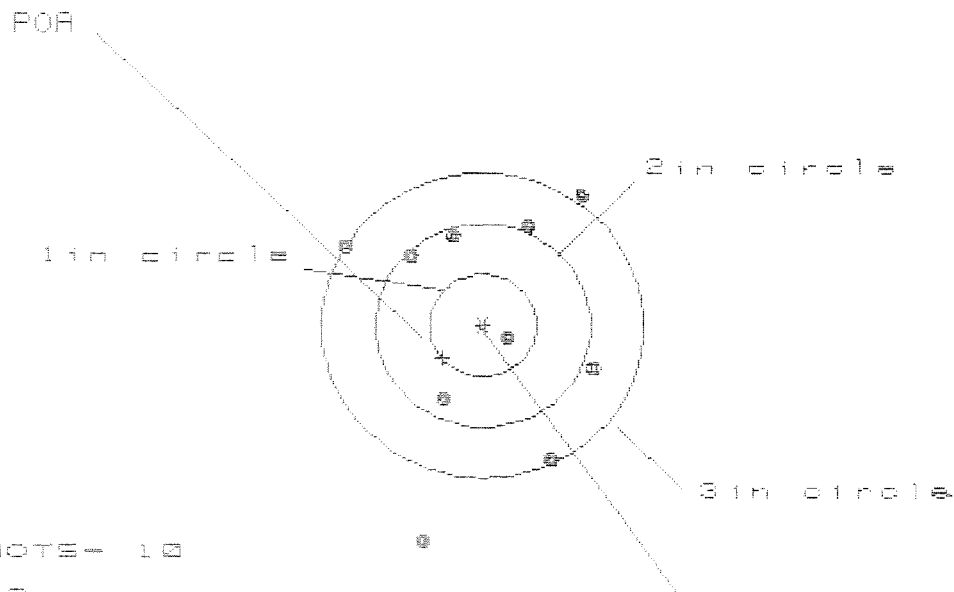
GS= 3.130

| PATTERN #                     | : | 2      | 3      | 4      |
|-------------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)               | : | 10     | 9      | 8      |
| MAXIMUM X                     | : | 1.048  | 1.004  | .889   |
| MINIMUM X                     | : | -1.518 | -1.562 | -1.039 |
| MAXIMUM Y                     | : | 1.728  | .659   | .639   |
| MINIMUM Y                     | : | -1.051 | -.859  | -.879  |
| CENTROID X                    | : | .811   | .855   | 1.050  |
| CENTROID Y                    | : | .554   | .362   | .382   |
| POA TO CENTROID in.           | : | .982   | .928   | 1.118  |
| MIN RADIUS                    | : | .095   | .233   | .107   |
| MEAN RADIUS                   | : | .938   | .846   | .732   |
| MAX RADIUS                    | : | 1.772  | 1.570  | 1.195  |
| HORIZONTAL SPREAD             | : | 2.566  | 2.566  | 1.848  |
| VERTICAL SPREAD               | : | 2.779  | 1.518  | 1.518  |
| EXTREME SPREAD                | : | 3.130  | 2.659  | 2.203  |
| NUMBER IN ONE INCH CIRCLE =   |   | 3      |        |        |
| NUMBER IN TWO INCH CIRCLE =   |   | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE = |   | 8      |        |        |

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/C8349225

# CENTERFIRE PATTERNS # 3



# OF SHOTS - 10

# IN CIR

1 in = 1

2 in = 4

3 in = 8

ME = 2.234

VS = 3.457

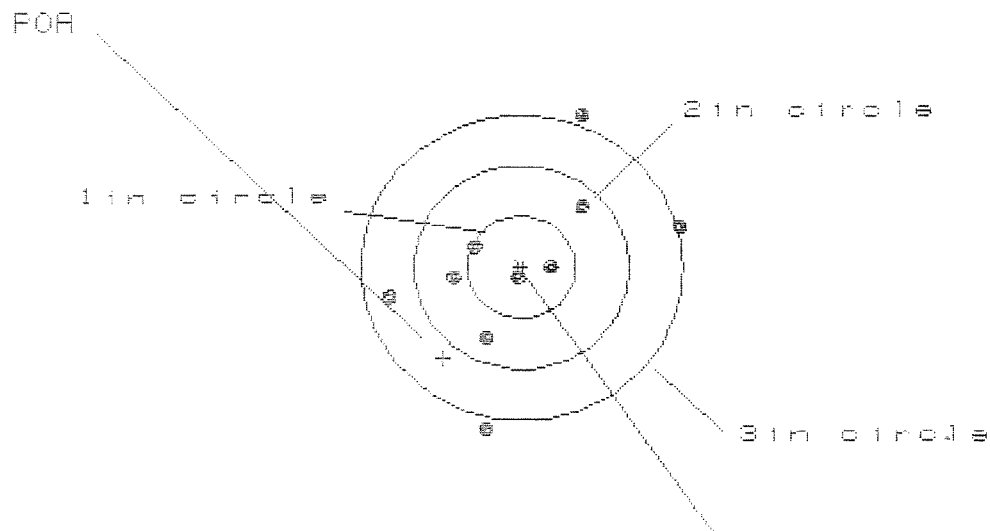
GS = 3.778

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 3      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .978   | .911   | 1.017  |
| MINIMUM X                   | : | -1.256 | -1.323 | -1.217 |
| MAXIMUM Y                   | : | 1.325  | 1.088  | .896   |
| MINIMUM Y                   | : | -2.132 | -1.531 | -1.395 |
| CENTROID X                  | : | .373   | .440   | .334   |
| CENTROID Y                  | : | .318   | .555   | .419   |
| POA TO CENTROID in.         | : | .490   | .709   | .536   |
| MIN RADIUS                  | : | .218   | .358   | .290   |
| MEAN RADIUS                 | : | 1.188  | 1.055  | 1.005  |
| MAX RADIUS                  | : | 2.217  | 1.642  | 1.561  |
| HORIZONTAL SPREAD           | : | 2.234  | 2.234  | 2.234  |
| VERTICAL SPREAD             | : | 3.457  | 2.619  | 2.291  |
| EXTREME SPREAD              | : | 3.778  | 2.827  | 2.827  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/C8349825

# CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1 in = 3

2 in = 6

3 in = 7

HE= 3.748

VS= 3.101

GS= 3.212

| PATTERN #                   | : | 4      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.517  | 1.577  | 1.548  |
| MINIMUM X                   | : | -1.231 | -1.171 | -1.200 |
| MAXIMUM Y                   | : | 1.517  | .740   | .563   |
| MINIMUM Y                   | : | -1.584 | -1.415 | -.746  |
| CENTROID X                  | : | .732   | .672   | .701   |
| CENTROID Y                  | : | .894   | .725   | .902   |
| POA TO CENTROID in.         | : | 1.156  | .989   | 1.143  |
| MIN RADIUS                  | : | .061   | .133   | .081   |
| MEAN RADIUS                 | : | .914   | .839   | .740   |
| MAX RADIUS                  | : | 1.612  | 1.672  | 1.594  |
| HORIZONTAL SPREAD           | : | 2.748  | 2.748  | 2.748  |
| VERTICAL SPREAD             | : | 3.101  | 2.155  | 1.309  |
| EXTREME SPREAD              | : | 3.212  | 2.820  | 2.820  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

11 Feb 1968

FILE:/PATTERNING/CENTERFIRE\_PATT/06349225

# CENTERFIRE PATTERNS

# 5

POA

1in circle

2in circle

3in circle

CENTROID \*

# OF SHOTS= 10

# IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.257

VS= 2.090

GS= 2.360

| PATTERN #                   | : | 5      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | .915   | .756  | .696  |
| MINIMUM X                   | : | -1.342 | -.621 | -.691 |
| MAXIMUM Y                   | : | 1.133  | 1.139 | 1.007 |
| MINIMUM Y                   | : | -.957  | -.951 | -.809 |
| CENTROID X                  | : | .693   | .842  | .912  |
| CENTROID Y                  | : | .379   | .373  | .231  |
| POA TO CENTROID in.         | : | .790   | .921  | .941  |
| MIN RADIUS                  | : | .372   | .417  | .575  |
| MEAN RADIUS                 | : | .928   | .876  | .808  |
| MAX RADIUS                  | : | 1.343  | 1.269 | 1.221 |
| HORIZONTAL SPREAD           | : | 2.257  | 1.387 | 1.387 |
| VERTICAL SPREAD             | : | 2.090  | 2.090 | 1.816 |
| EXTREME SPREAD              | : | 2.360  | 2.295 | 2.111 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10    |       |

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349225

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

| op. #        | OP. NAME                                                    | READINGS |       |       |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 7        | 7     | 7     |      |      | 5/6/96  | WB   |
|              | G) Safety Off Force                                         | 2 1/4    | 2 1/4 | 2 1/4 |      |      | 5/6/96  | WB   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |      |      |         |      |
|              | I) Firing Pin Indent                                        | .024     | .023  | .023  |      |      | 5/6/96  | WB   |
|              | J) Assemble Stock                                           |          |       |       |      |      |         |      |
|              | K) Assemble Swivel Studs                                    |          |       |       |      |      |         |      |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |      |      |         |      |
|              | M) Iron Sight Alignment                                     |          |       |       |      |      |         |      |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |      |      |         |      |
|              | O) Attach Scope to Rifle                                    |          |       |       |      |      |         |      |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |      |      |         |      |
| 640          | Gallery Target & Test                                       |          |       |       |      |      |         |      |
|              | A) Time                                                     |          |       |       |      |      |         |      |
|              | B) Malfunctions                                             |          |       |       |      |      |         |      |
|              | C) Pierced Primers                                          |          |       |       |      |      |         |      |
|              | D) Optical Clarity of Scope                                 |          |       |       |      |      |         |      |
| 645          | Inspect for Live Ammo                                       |          |       |       |      |      |         |      |
| 655          | Final Inspection                                            |          |       |       |      |      |         |      |
|              | A) Headspace                                                |          |       |       |      |      |         |      |
|              | B) Trigger Pull                                             | 2.34     | 2.38  | 2.44  | 2.49 | 2.52 | 7/16/96 | WB   |
|              | C) Function                                                 |          |       |       |      |      |         |      |
| 660          | Pack                                                        |          |       |       |      |      |         |      |

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349225

| OP. #        | OP. NAME                                                       | READINGS | DATE   | INIT |
|--------------|----------------------------------------------------------------|----------|--------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 3 31     | 90     | RW   |
| 600          | Proof                                                          | 3 31     | 90     | RW   |
| 607          | Check Headspace                                                | 3 31     | 90     | RW   |
| 610          | Dis-assemble Gun                                               | 3 31     | 90     | RW   |
| 612          | Magnaflux Barrel<br>Action                                     | 4-2-90   |        | KCR  |
|              | Magnaflux Bolt                                                 | 4-2-90   |        | KCR  |
| 615          | Rollmark Caliber                                               | 4-2-90   |        | LS   |
| 617          | Drill and Tap Sight Holes                                      |          | 4/4/90 | WB   |
| 618          | Polish Barrel RWB                                              |          | 4/5/90 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 4-9-90 | JA   |
|              | Apply Coating (Bolt)                                           |          |        |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 5/1/90 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 5/1/90 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 5/1/90 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 5/1/90 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 5/1/90 | HL   |

| op. #        | OP. NAME                                                    | READINGS |       |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|-------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 4        | 4     | 4    |      |      | 5/18/90 | WB   |
|              | G) Safety Off Force                                         | 2        | 2     | 2    |      |      | 5/18/90 | WB   |
|              | H) Trigger Pull Test & Retainability                        |          |       |      |      |      | 5/17/90 | JK   |
|              | I) Firing Pin Indent                                        | .023     | .0235 | .024 |      |      | 5/18/90 | WB   |
|              | J) Assemble Stock                                           |          |       |      |      |      | 5/18/90 | RW   |
|              | K) Assemble Swivel Studs                                    |          |       |      |      |      | 6/15/90 | JK   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |      |      |      | 5/18/90 | RW   |
|              | M) Iron Sight Alignment                                     |          |       |      |      |      | 5/18/90 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |      |      |      | 5/18/90 | RW   |
|              | O) Attach Scope to Rifle                                    |          |       |      |      |      | 5/19/90 | WB   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |      |      |      | 5/19/90 | WB   |
| 640          | Gallery Target & Test                                       |          |       |      |      |      | 5-18-90 | DH   |
|              | A) Time                                                     |          |       |      |      |      | 5-18-90 | DH   |
|              | B) Malfunctions                                             |          |       |      |      |      | 5-18-90 | DH   |
|              | C) Pierced Primers                                          |          |       |      |      |      | 5-18-90 | DH   |
|              | D) Optical Clarity of Scope                                 |          |       |      |      |      | 5-18-90 | DH   |
| 645          | Inspect for Live Ammo                                       |          |       |      |      |      | 5-18-90 | DH   |
| 655          | Final Inspection                                            |          |       |      |      |      |         |      |
|              | A) Headspace                                                |          |       |      |      |      | 6/15/90 | JK   |
|              | B) Trigger Pull                                             | 2.69     | 2.62  | 2.65 | 2.76 | 2.77 | 6/14/90 | JK   |
|              | C) Function                                                 | 2.76     | 2.31  | 2.19 | 2.73 | 2.19 | 6/14/90 | WB   |
| 660          | Pack                                                        |          |       |      |      |      | 6/15/90 | JK   |
|              |                                                             |          |       |      |      |      | 6-20-90 | DH   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

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

SERIAL NO. 06349225

DATE 5/17/90

TESTER JL

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |                      | COMMENTS          |
|---------|------------------|--------------------------|--------------------------------|----------------------|-------------------|
| PULL #1 | 2.46             | 2.29                     | 2.43                           | 2.69 <sup>2.26</sup> | MIN. SETTING,     |
| PULL #2 | 2.46             | 2.44                     | 2.51                           | 2.62 <sup>2.31</sup> | NO AVG. OF 5      |
| PULL #3 | 2.43             | 2.40                     | 2.36                           | 2.65 <sup>2.19</sup> | READINGS ACCEPT-  |
| PULL #4 | 2.53             | 2.41                     | 2.34                           | 2.76 <sup>2.23</sup> | ABLE LESS THAN 2# |
| PULL #5 | 2.18             | 2.42                     | 2.37                           | 2.77 <sup>2.19</sup> |                   |
| TOTAL   | 12.06            | 11.96                    | 12.01                          | 7                    |                   |
| AVG.    | 2.412            | 2.392                    | 2.402                          |                      |                   |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.28             | 3.35                     |  |          |
| PULL #2 | 3.37             | 3.46                     |  |          |
| PULL #3 | 3.41             | 3.31                     |  |          |
| PULL #4 | 3.22             | 3.42                     |  |          |
| PULL #5 | 3.22             | 3.52                     |  |          |
| TOTAL   | 16.50            | 17.06                    |  |          |
| AVG.    | 3.3              | 3.412                    |  |          |

|         | 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             | 4.33                     |                                | 4.43                                 |
| PULL #2 | 4.42             | 4.38                     |                                | 4.28                                 |
| PULL #3 | 4.47             | 4.47                     |                                | 4.50                                 |
| PULL #4 | 4.24             | 4.18                     |                                | 4.48                                 |
| PULL #5 | 4.48             | 4.18                     |                                | 4.23                                 |
| TOTAL   | 22.04            | 21.54                    |                                | 21.92                                |
| AVG.    | 4.408            | 4.308                    |                                | 4.384                                |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6349225  
18 May 1990

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .382887 |
| 1 TO | 2 | .51364  |
| 1 TO | 3 | .719253 |
| 1 TO | 4 | 1.26346 |
| 1 TO | 5 | .788195 |

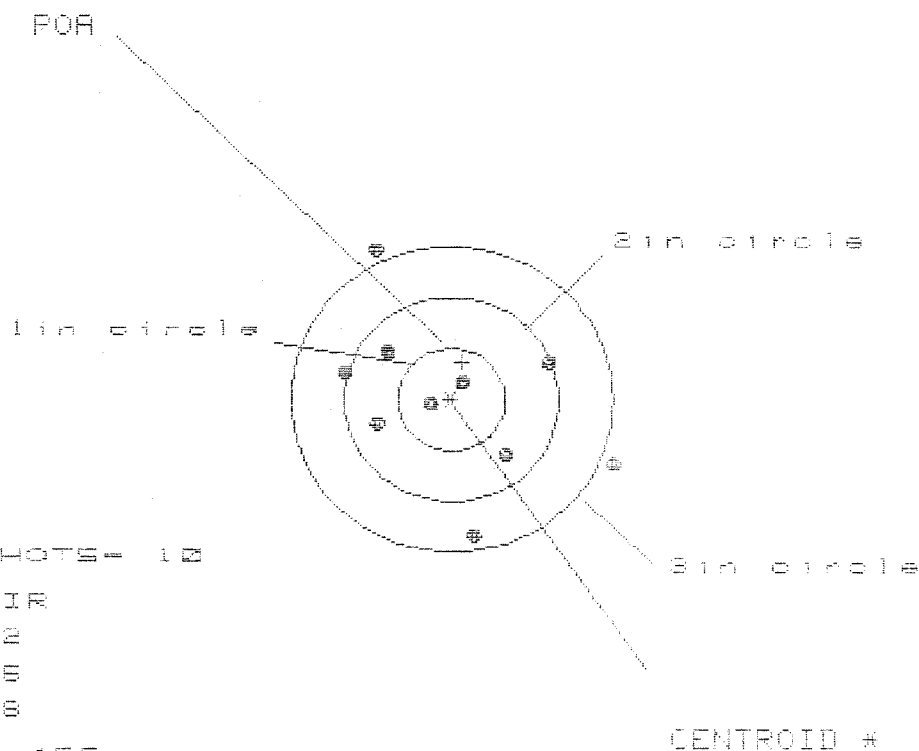
$\frac{3}{12} s^4$  <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3416  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1036  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .356964  
THE AMP FOR THIS RIFLE IS: .9036

18 May 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/08345825

# CENTERFIRE PATTERNS # 1



# OF SHOTS= 10

# IN CIR

1in = 2

2in = 6

3in = 8

HS= 2.455

VS= 2.770

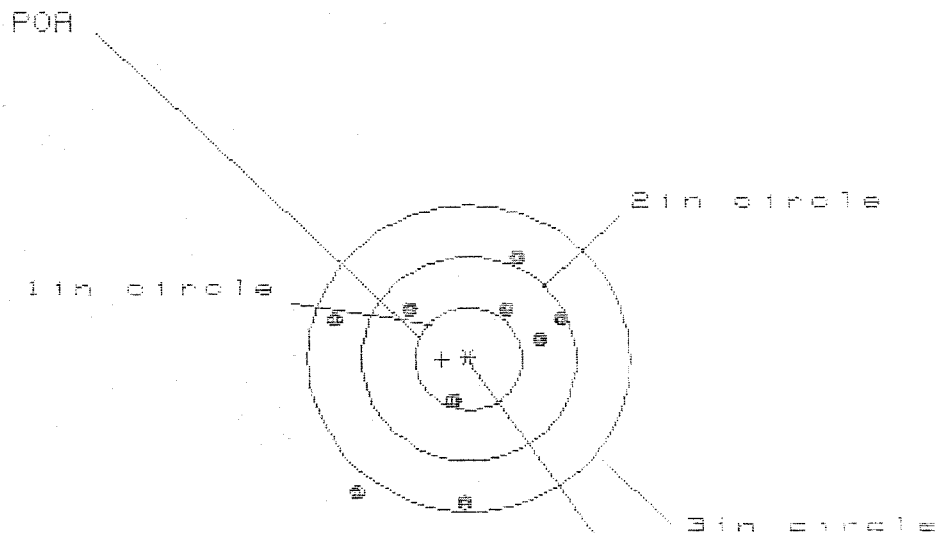
GS= 2.964

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.463  | 1.387  | 1.016  |
| MINIMUM X                     | -0.992 | -1.068 | -0.895 |
| MAXIMUM Y                     | 1.458  | .637   | .584   |
| MINIMUM Y                     | -1.312 | -1.150 | -1.203 |
| CENTROID X                    | -0.105 | -0.029 | -0.202 |
| CENTROID Y                    | -0.368 | -0.530 | -0.477 |
| FOR TO CENTROID in.           | .383   | .531   | .518   |
| MIN RADIUS                    | .144   | .292   | .134   |
| MEAN RADIUS                   | .898   | .834   | .721   |
| MAX RADIUS                    | 1.610  | 1.451  | 1.235  |
| HORIZONTAL SPREAD             | 2.455  | 2.455  | 1.911  |
| VERTICAL SPREAD               | 2.770  | 1.787  | 1.787  |
| EXTREME SPREAD                | 2.964  | 2.593  | 1.951  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |

18 May 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/08349225

# CENTERFIRE PATTERNS # 2



# OF SHOTS= 10

# IN CIR

1in = 1

2in = 6

3in = 9

HE= 2.116

VS= 2.359

GS= 2.699

CENTROID \*

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 2      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .826   | .716   | .695   |
| MINIMUM X                   | : | -1.298 | -1.408 | -1.421 |
| MAXIMUM Y                   | : | .955   | .810   | .617   |
| MINIMUM Y                   | : | -1.484 | -1.549 | -1.697 |
| CENTROID X                  | : | .246   | .356   | .377   |
| CENTROID Y                  | : | .087   | .152   | .345   |
| POA TO CENTROID in.         | : | .246   | .387   | .511   |
| MIN RADIUS                  | : | .387   | .443   | .287   |
| MEAN RADIUS                 | : | .943   | .824   | .700   |
| MAX RADIUS                  | : | 1.643  | 1.557  | 1.421  |
| HORIZONTAL SPREAD           | : | 2.116  | 2.116  | 2.116  |
| VERTICAL SPREAD             | : | 2.359  | 2.359  | 1.314  |
| EXTREME SPREAD              | : | 2.699  | 2.418  | 2.116  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

18 May 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/08349225

# CENTERFIRE PATTERNS

# 3

POA

1 in circle

2 in circle

3 in circle

# OF SHOTS = 10

# IN CIR

1 in = 3

2 in = 7

3 in = 8

HS = 2.363

VS = 2.905

ES = 3.295

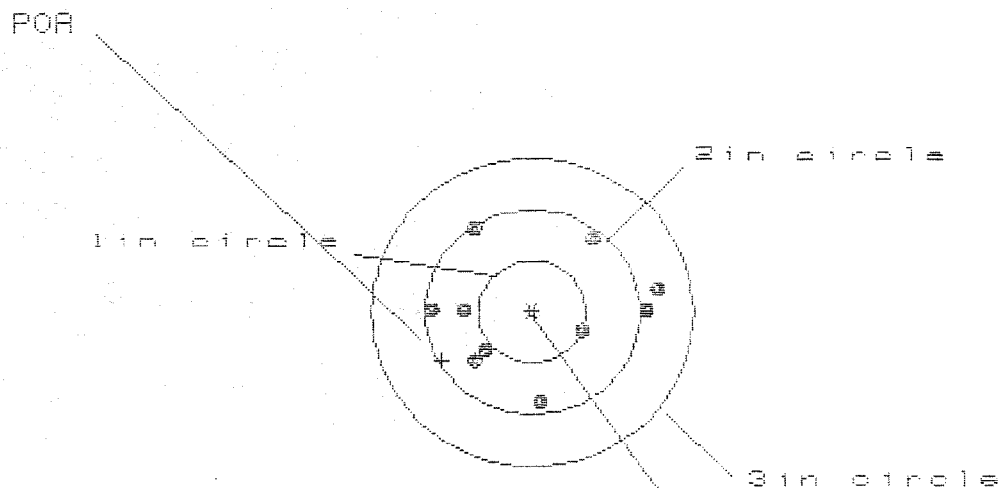
CENTROID #

|                             |   |        |        |       |
|-----------------------------|---|--------|--------|-------|
| PATTERN #                   | : | 3      |        |       |
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | .775   | .823   | .631  |
| MINIMUM X                   | : | -1.588 | -1.540 | -.719 |
| MAXIMUM Y                   | : | .987   | .773   | .832  |
| MINIMUM Y                   | : | -1.918 | -.985  | -.926 |
| CENTROID X                  | : | .229   | .182   | .374  |
| CENTROID Y                  | : | .269   | .483   | .424  |
| POA TO CENTROID in.         | : | .354   | .516   | .565  |
| MIN RADIUS                  | : | .220   | .340   | .138  |
| MEAN RADIUS                 | : | .903   | .788   | .644  |
| MAX RADIUS                  | : | 1.966  | 1.610  | 1.100 |
| HORIZONTAL SPREAD           | : | 2.363  | 2.363  | 1.350 |
| VERTICAL SPREAD             | : | 2.905  | 1.758  | 1.758 |
| EXTREME SPREAD              | : | 3.295  | 2.375  | 1.920 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |       |

18 May 1998

FILE://PATTERNING/CENTERFIRE\_PATT/06349225

# CENTERFIRE PATTERNS # 4



# OF SHOTS= 10

# IN CIR

1 in = 1

2 in = 0

3 in = 10

HSI = 0.034

VS = 1.707

GS = 0.047

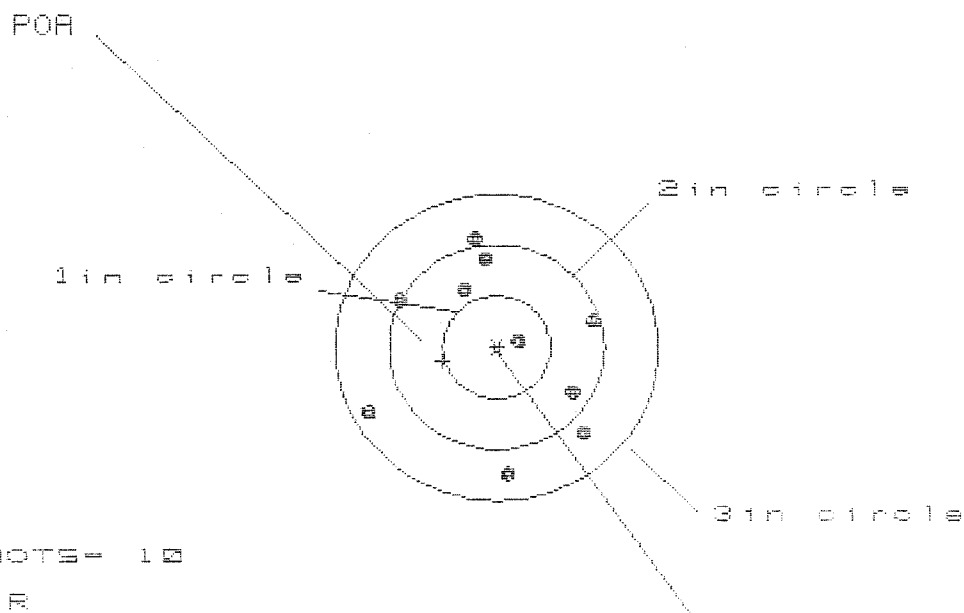
CENTROID \*

| PATTERN #                     | 1     | 2     | 3     |
|-------------------------------|-------|-------|-------|
| SHOTS (BEST OF)               | 10    | 9     | 8     |
| MAXIMUM X                     | 1.138 | 1.142 | .816  |
| MINIMUM X                     | -.896 | -.770 | -.627 |
| MAXIMUM Y                     | .818  | .848  | .855  |
| MINIMUM Y                     | -.889 | -.859 | -.852 |
| CENTROID X                    | .837  | .711  | .568  |
| CENTROID Y                    | .474  | .444  | .437  |
| POR TO CENTROID in.           | .962  | .838  | .717  |
| MIN RADIUS                    | .450  | .472  | .371  |
| MEAN RADIUS                   | .831  | .773  | .695  |
| MAX RADIUS                    | 1.169 | 1.144 | 1.106 |
| HORIZONTAL SPREAD             | 2.034 | 1.912 | 1.443 |
| VERTICAL SPREAD               | 1.707 | 1.707 | 1.707 |
| EXTREME SPREAD                | 2.847 | 1.912 | 1.797 |
| NUMBER IN ONE INCH CIRCLE =   |       | 1     |       |
| NUMBER IN TWO INCH CIRCLE =   |       | 8     |       |
| NUMBER IN THREE INCH CIRCLE = |       | 10    |       |

18 May 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C8349225

# CENTERFIRE PATTERNS # 5



# OF SHOTS= 10

# IN CIR

1in = 1

2in = 5

3in = 10

HS= 2.098

VS= 2.367

GS= 2.383

| PATTERN #                   | : | 5      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .928   | .789   | .788   |
| MINIMUM X                   | : | -1.178 | -1.071 | -1.088 |
| MAXIMUM Y                   | : | 1.091  | 1.017  | .848   |
| MINIMUM Y                   | : | -1.276 | -1.350 | -1.082 |
| CENTROID X                  | : | .581   | .632   | .641   |
| CENTROID Y                  | : | .136   | .210   | .379   |
| FOR TO CENTROID in.         | : | .519   | .666   | .744   |
| MIN RADIUS                  | : | .240   | .112   | .228   |
| MEAN RADIUS                 | : | .943   | .868   | .792   |
| MAX RADIUS                  | : | 1.355  | 1.352  | 1.273  |
| HORIZONTAL SPREAD           | : | 2.098  | 1.860  | 1.860  |
| VERTICAL SPREAD             | : | 2.367  | 2.367  | 1.930  |
| EXTREME SPREAD              | : | 2.383  | 2.383  | 2.183  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |