

C6225570

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington.*

**Remington®**



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

MODEL 700™ H24

SERIAL NO.

06225570

ORDER NO.

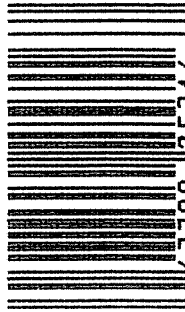
5716

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



5716 06225570

UPC



0 47700 25716 7

## Repair Inquiry

Repair Number: RE00154258

Serial: C6225570 Model M24 SWS  
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 10/30/2008 8:24:18 AM

## Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: ISD ARMSROOM

ISD ARMSROOM

Address 1: 8TH DESERT STORM

8TH DESERT STORM

Address 2: BLDG 5210 BAY DOOR #30

PO Box:

BLDG 5210 BAY DOOR #30

PO Box:

City: FORT CAMPBELL

FORT CAMPBELL

State: KY

Zip Code: 42223

Country: US

State: KY

Zip Code: 42223

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                  | Qty |
|------|-----------------------|-----|
| A007 | With Stud             | 3   |
| A026 | Scope                 | 1   |
| A057 | Fit and Rear Sgt Base | 1   |

## Repair Search

Refresh

Close

naglej

10/30/2008

12:42 PM

CAPS

NUM

INS

SCRL

Serial  
Number:

C6225570

Model: M24 SWS



RE00154258

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225570.\_\_\_0

FILE DATE AND TIME: 12/05/2008 08:54

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.015 |
| The Average Y Centroid of the Five Target Set:              | -0.075 |
| The Average Point of Impact of the Five Target Set:         | 0.076  |
| The Average Mean Radius of the Five Target Set:             | 0.649  |
| The Distance from POA to Centroid Target #1:                | 0.109  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.297  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.278  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.156  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.170  |

SERIAL NUMBER: C6225570. \_\_0

TARGET NUMBER: 1

FILE DATE: 12/05/2008

FILE TIME: 08:54

X CENTROID: 0.079

Y CENTROID: 0.076

POA TO CENTROID: 0.109

HORZ SPREAD: 1.201

VERT SPREAD: 1.846

GROUP SPREAD: 2.121

MIN RADIUS: 0.149

MAX RADIUS: 1.352

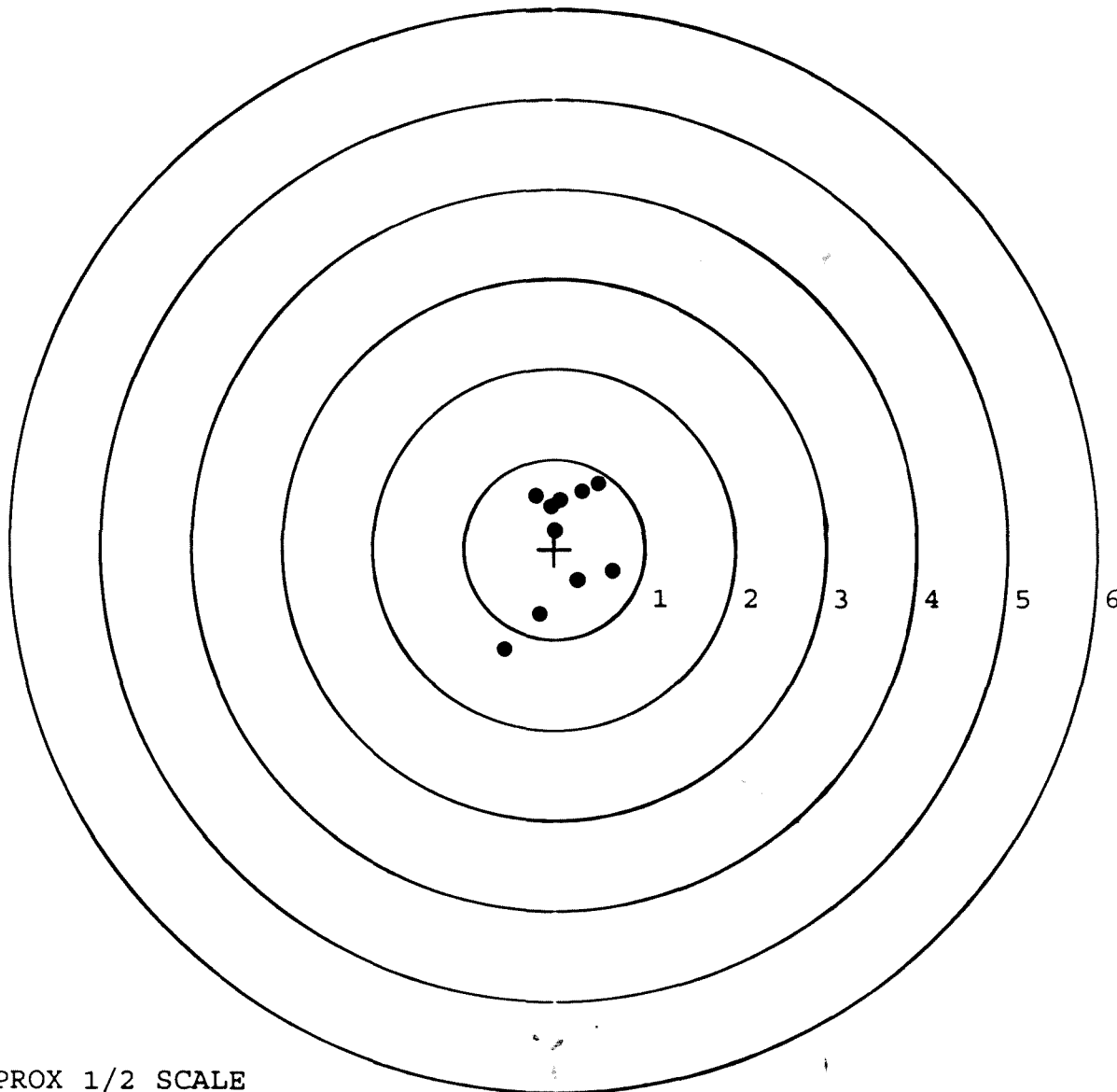
MEAN RADIUS: 0.631

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.560 | -1.115 |
| 2:     | -0.170 | -0.726 |
| 3:     | 0.259  | -0.347 |
| 4:     | 0.641  | -0.250 |
| 5:     | 0.010  | 0.209  |
| 6:     | -0.042 | 0.474  |
| 7:     | -0.207 | 0.595  |
| 8:     | 0.066  | 0.550  |
| 9:     | 0.304  | 0.641  |
| 10:    | 0.485  | 0.731  |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225570. \_\_0

TARGET NUMBER: 2

FILE DATE: 12/05/2008

FILE TIME: 08:54

X CENTROID: -0.089

Y CENTROID: -0.169

POA TO CENTROID: 0.191

HORZ SPREAD: 2.591

VERT SPREAD: 1.703

GROUP SPREAD: 2.608

MIN RADIUS: 0.091

MAX RADIUS: 1.472

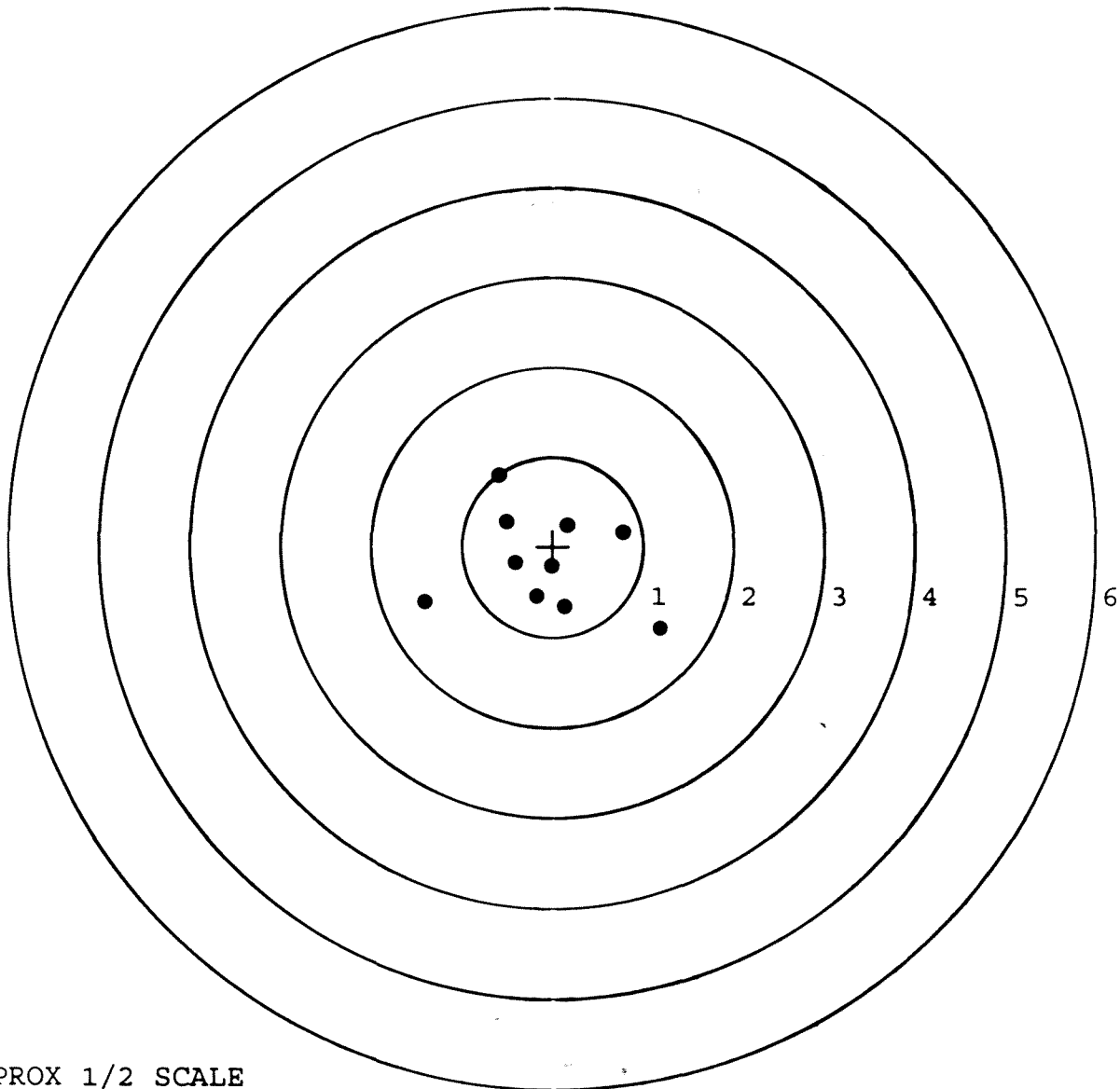
MEAN RADIUS: 0.733

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -1.407 | -0.614 |
| 2:     | 1.184  | -0.909 |
| 3:     | 0.769  | 0.158  |
| 4:     | 0.159  | 0.235  |
| 5:     | -0.018 | -0.226 |
| 6:     | -0.186 | -0.556 |
| 7:     | 0.130  | -0.671 |
| 8:     | -0.419 | -0.182 |
| 9:     | -0.515 | 0.278  |
| 10:    | -0.588 | 0.794  |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225570. \_\_ 0

TARGET NUMBER: 3

FILE DATE: 12/05/2008

FILE TIME: 08:54

X CENTROID: -0.019

Y CENTROID: -0.184

POA TO CENTROID: 0.185

HORZ SPREAD: 1.194

VERT SPREAD: 1.307

GROUP SPREAD: 1.501

MIN RADIUS: 0.182

MAX RADIUS: 0.884

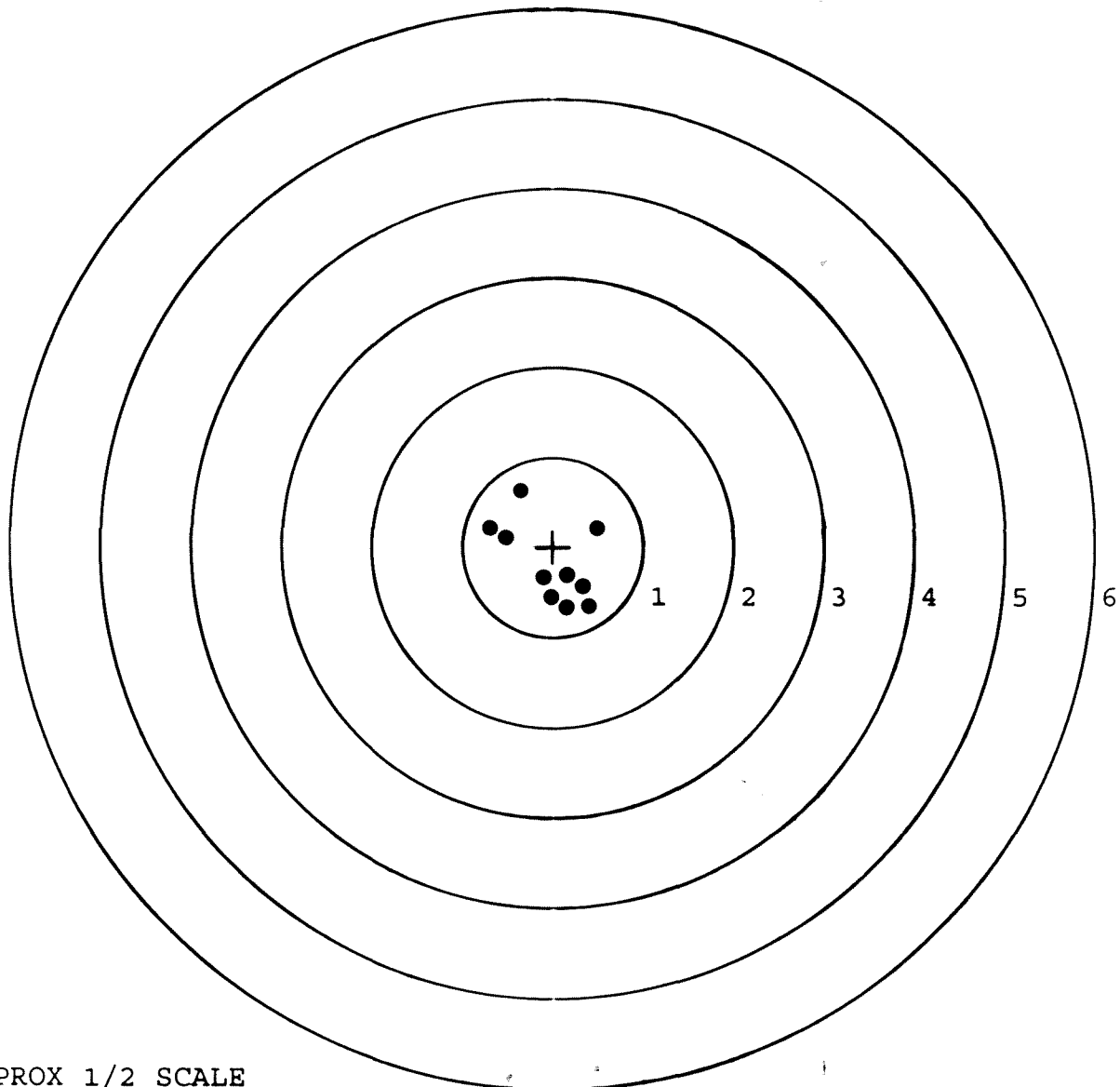
MEAN RADIUS: 0.528

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 10

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.492  | 0.212  |
| 2:     | -0.360 | 0.632  |
| 3:     | -0.702 | 0.214  |
| 4:     | -0.522 | 0.112  |
| 5:     | -0.107 | -0.344 |
| 6:     | 0.156  | -0.319 |
| 7:     | 0.331  | -0.444 |
| 8:     | 0.395  | -0.665 |
| 9:     | 0.151  | -0.675 |
| 10:    | -0.025 | -0.564 |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225570. \_\_0

TARGET NUMBER: 4

FILE DATE: 12/05/2008

FILE TIME: 08:54

X CENTROID: -0.042

Y CENTROID: -0.024

POA TO CENTROID: 0.048

HORZ SPREAD: 2.011

VERT SPREAD: 1.680

GROUP SPREAD: 2.077

MIN RADIUS: 0.474

MAX RADIUS: 1.393

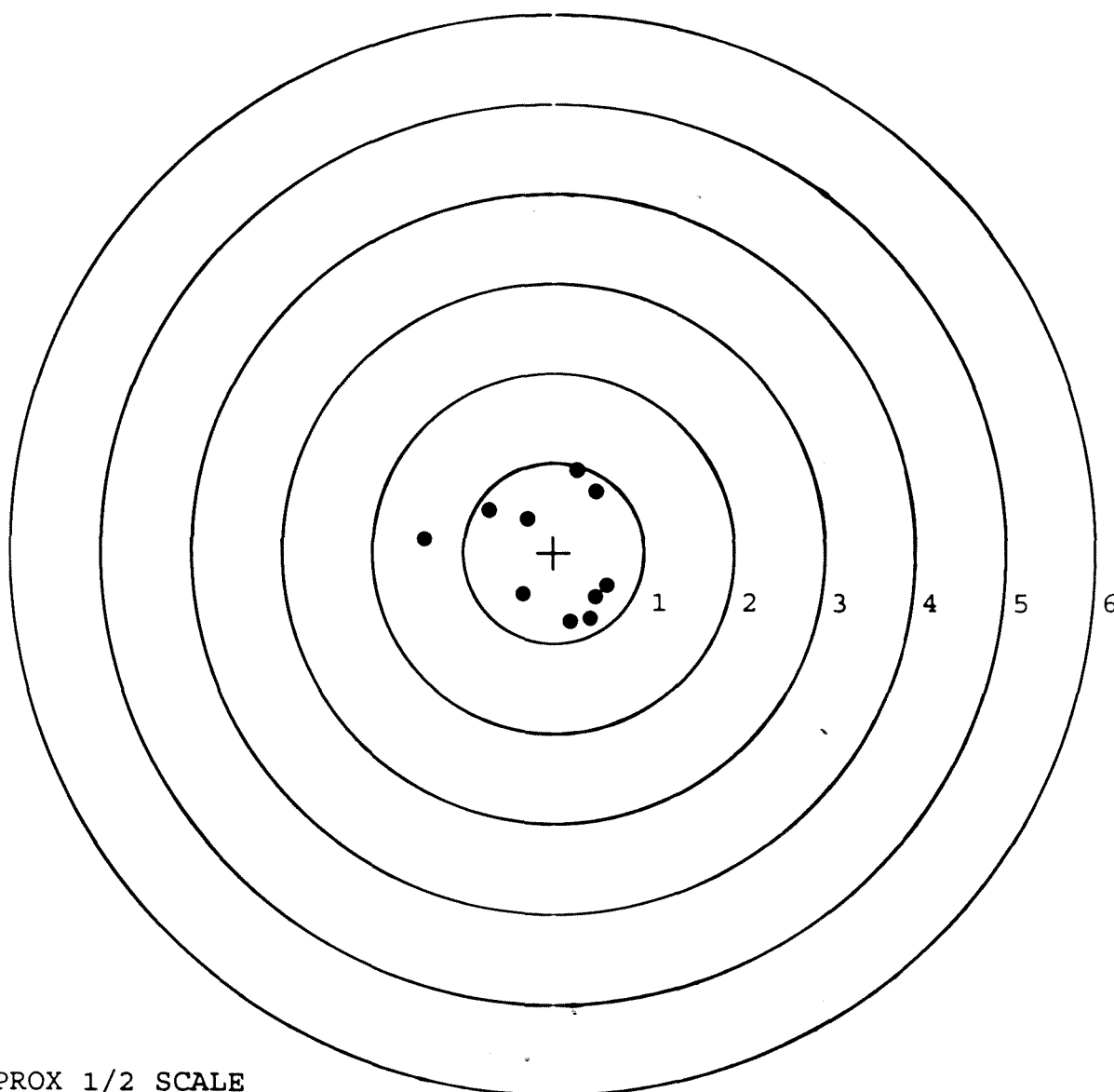
MEAN RADIUS: 0.812

# IN 1 IN DIAMETER: 1

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.471  | 0.679  |
| 2:     | 0.263  | 0.919  |
| 3:     | -0.297 | 0.375  |
| 4:     | -0.717 | 0.469  |
| 5:     | -1.424 | 0.149  |
| 6:     | -0.344 | -0.473 |
| 7:     | 0.183  | -0.761 |
| 8:     | 0.401  | -0.730 |
| 9:     | 0.462  | -0.497 |
| 10:    | 0.587  | -0.370 |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225570. \_\_0

TARGET NUMBER: 5

FILE DATE: 12/05/2008

FILE TIME: 08:54

X CENTROID: -0.005

Y CENTROID: -0.072

POA TO CENTROID: 0.072

HORZ SPREAD: 1.016

VERT SPREAD: 1.457

GROUP SPREAD: 1.519

MIN RADIUS: 0.315

MAX RADIUS: 0.810

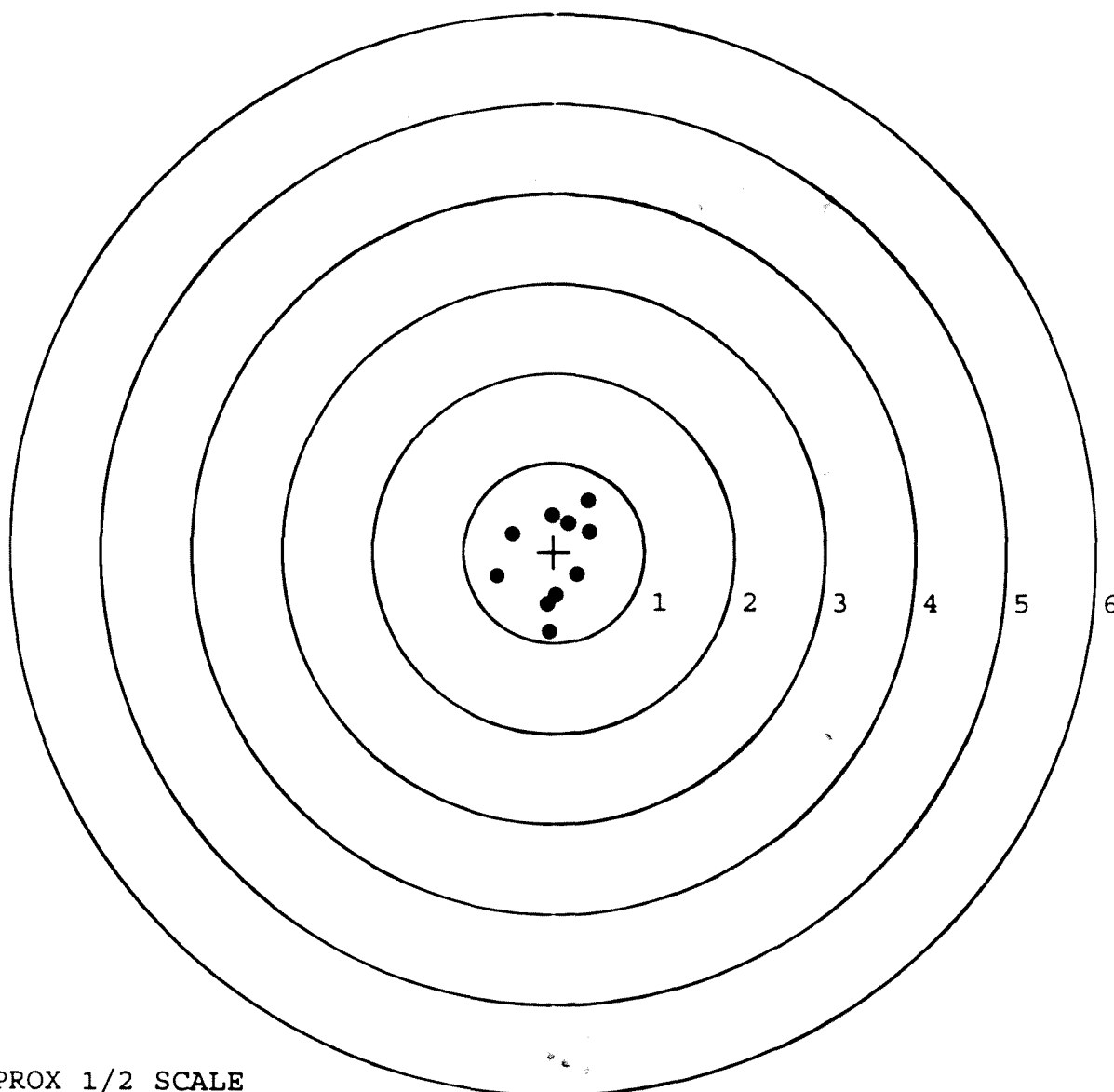
MEAN RADIUS: 0.540

# IN 1 IN DIAMETER: 5

# IN 2 IN DIAMETER: 10

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.629 | -0.269 |
| 2:     | -0.464 | 0.203  |
| 3:     | -0.025 | 0.409  |
| 4:     | 0.159  | 0.326  |
| 5:     | 0.375  | 0.577  |
| 6:     | 0.387  | 0.228  |
| 7:     | 0.257  | -0.247 |
| 8:     | 0.024  | -0.480 |
| 9:     | -0.080 | -0.584 |
| 10:    | -0.056 | -0.880 |



TARGET APPROX 1/2 SCALE

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

R & E NUMBER 154258  
SERIAL NUMBER C6225578  
LOG-IN DATE 103008

| OPERATION # | OPERATION NAME       | DATE                                     | INITIAL                                 |
|-------------|----------------------|------------------------------------------|-----------------------------------------|
| 500         | DIS-ASSEMBLE GUN     | 11-6-08                                  | RTZ                                     |
| 505         | RE-BARREL            | 11-7-08                                  | RTZ                                     |
| 560         | ASSEMBLE             | 11-7-08                                  | RTZ                                     |
| 600         | PROOF                | 11-11-08                                 | S.P.D.                                  |
| 605         | CHECK HEADSPACE      | 11-11-08                                 | S.P.D.                                  |
| 610         | DIS-ASSEMBLE GUN     | 11-11-08                                 | S.P.D.                                  |
| 612         | MAGNAFLUX            | 11-17-08                                 | (K)                                     |
| 510         | DRILL AND TAP        | 11-13-08                                 | SP                                      |
| 615         | ROLLMARK CALIBER     | 11/17/08                                 | RT                                      |
| 618         | ROTO-BLAST           |                                          |                                         |
| 620         | APPLY COATINGS       | 11-21                                    |                                         |
| 625         | FINAL ASSEMBLY       | 12-2-08                                  | RTZ                                     |
| 640         | FUNCTION TEST AND    | PASS FAIL                                | 12-4-08 S.P.D.                          |
| 650         | TARGET               | PASS FAIL                                | 12-4-08 S.P.D.                          |
|             | MALFUNCTION          | CORRECTION                               |                                         |
|             | MALFUNCTION          | CORRECTION                               |                                         |
|             | MALFUNCTION          | CORRECTION                               |                                         |
|             | MALFUNCTION          | CORRECTION                               |                                         |
| 670         | FINAL INSPECTION     |                                          | 12-5-08 S.P.D.                          |
|             | A) HEADSPACE         | PASS FAIL                                | 12-5-08 S.P.D.                          |
|             | B) TRIGGER PULL      | 4-1.5 LBS<br>MIN 2.50 LBS<br>MAX 4.0 LBS | 2.14 2.74 2.74 2.72 2.70 12-5-08 S.P.D. |
| 690         | F) SAFETY ON FORCE   | 2 LBS MIN<br>10 LBS MAX                  | 2.5 2.5 3.0 12-5-08 S.P.D.              |
|             | G) SAFETY OFF FORCE  | 2 LBS<br>MAX                             | 5.0 5.0 5.0 12-5-08 S.P.D.              |
|             | I) FIRING PIN INDENT | .020                                     | .021 .021 .021 12-5-08 S.P.D.           |
| 690         | PACK                 |                                          | 4/3/09 Fm                               |

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225570

| OP. #     | OP. NAME                                                 | INTERCHANGEABILITY READINGS | DATE      | INIT |
|-----------|----------------------------------------------------------|-----------------------------|-----------|------|
| 575 & 580 | Assemble Action and Stock                                | <div>QUALITY AUDIT</div>    | 12 9 88   | RW   |
| 600       | Proof                                                    |                             | 12 9 88   | RW   |
| 607       | Check Headspace                                          |                             | 12 9 88   | RW   |
| 610       | Dis-assemble Gun                                         |                             | 12 9 88   | RW   |
| 612       | Magnaflux Barrel Action                                  |                             | 12 22 88  | P/c. |
|           | Magnaflux Bolt                                           |                             | 1-3-89    | P/c. |
| 615       | Rollmark Caliber                                         |                             | 12/22/88  | MSC  |
| 617       | Drill and Tap Sight Holes                                |                             | 1 3 89    | FB   |
| 618       | Polish Barrel                                            |                             | 12 2 88   | WJ   |
| 620       | Apply Coatings (Barrel Action)                           |                             | 1-16-89   | JA   |
|           | Apply Coating (Bolt)                                     |                             |           |      |
| 625       | Final Assembly                                           |                             |           |      |
|           | A) Clean inside of Bolt Assembly                         |                             | 1/25/89   | RW   |
|           | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head |                             | 1/25/89   | RW   |
|           | C) Inspect Ejector Hole for Chamfer                      |                             | 1/25/89   | RW   |
|           | D) Oil Firing Pin Ass'y                                  |                             | 1/25/89   | RW   |
|           | E) Adjust Trigger Pull to Min Setting and Stake          |                             | 25 Jan 89 | KS   |

| op. #        | OP. NAME                                                    | READINGS |       |      |      |      | DATE      | INIT |
|--------------|-------------------------------------------------------------|----------|-------|------|------|------|-----------|------|
| 625<br>cont. | F) Safety On Force                                          | 6        | 5     | 5    |      |      | 30 Jan 89 | JS   |
|              | G) Safety Off Force                                         | 3        | 3     | 3    |      |      | 30 Jan 89 | JS   |
|              | H) Trigger Pull Test & Retainability                        |          |       |      |      |      | 25 Jan 89 | JS   |
|              | I) Firing Pin Indent                                        | .021     | .021  | .021 |      |      | 30 Jan 89 | JS   |
|              | J) Assemble Stock                                           |          |       |      |      |      | 2/3/89    | RW   |
|              | K) Assemble Swivel Studs                                    |          |       |      |      |      | 8 Feb 89  | JS   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |      |      |      | 2/3/89    | RW   |
|              | M) Iron Sight Alignment                                     |          |       |      |      |      | 2/3/89    | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |      |      |      | 2/3/89    | RW   |
|              | O) Attach Scope to Rifle                                    |          |       |      |      |      |           |      |
|              | P) Detach & Attach Scope 20 Times                           |          |       |      |      |      | 3 Feb 89  | JS   |
| 640          | Gallery Target & Test                                       | 54 R     | 100 L |      |      |      | 2/7/89    | AC   |
|              | A) Time                                                     |          |       |      |      |      | "         | AC   |
|              | B) Malfunctions                                             |          |       |      | NONE |      | "         | AC   |
|              | C) Pierced Primers                                          |          |       |      | NONE |      | "         | AC   |
|              | D) Optical Clarity of Scope                                 |          |       |      | OK   |      | 2/7/89    | AC   |
| 645          | Inspect for Live Ammo                                       |          |       |      | NONE |      | 2/7/89    | AC   |
| 655          | Final Inspection                                            |          |       |      |      |      |           |      |
|              | A) Headspace                                                |          |       |      |      |      | 8 Feb 89  | JS   |
|              | B) Trigger Pull                                             | 2.38     | 2.51  | 2.47 | 2.46 | 2.60 | 8 Feb 89  | JS   |
|              | C) Function                                                 |          |       |      |      |      | 8 Feb 89  | JS   |
| 660          | Pack                                                        |          |       |      |      |      | 22 Mar 89 | JS   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

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

SERIAL NO 6225570

DATE 4-6-90

TESTER JU

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |       | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-------|------------------------------------------------------------------------|
| PULL #1 | 2.49             | 2.38                     |                                | 2.44  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.50             | 2.38                     |                                | 2.50  |                                                                        |
| PULL #3 | 2.54             | 2.43                     |                                | 2.51  |                                                                        |
| PULL #4 | 2.46             | 2.40                     |                                | 2.49  |                                                                        |
| PULL #5 | 2.34             | 2.44                     |                                | 2.60  |                                                                        |
| TOTAL   | 12.33            | 12.03                    |                                | 12.54 |                                                                        |
| AVG.    | 2.466            | 2.406                    |                                | 2.508 |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.24             | 3.21                     |  |          |
| PULL #2 | 3.20             | 3.30                     |  |          |
| PULL #3 | 3.13             | 3.31                     |  |          |
| PULL #4 | 3.22             | 3.36                     |  |          |
| PULL #5 | 3.28             | 3.30                     |  |          |
| TOTAL   | 16.07            | 16.48                    |  |          |
| AVG.    | 3.214            | 3.296                    |  |          |

|         | 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 | 4.19             | 4.24                     |                                |                                      |
| PULL #2 | 4.23             | 4.23                     |                                |                                      |
| PULL #3 | 4.17             | 4.27                     |                                |                                      |
| PULL #4 | 4.24             | 4.22                     |                                |                                      |
| PULL #5 | 4.24             | 4.17                     |                                |                                      |
| TOTAL   | 21.07            | 21.13                    |                                |                                      |
| AVG.    | 4.214            | 4.226                    |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06225570  
10 Feb 1989

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .252002 |
| 1 TO | 2 | .371065 |
| 1 TO | 3 | .393219 |
| 1 TO | 4 | .642311 |
| 1 TO | 5 | .12492  |

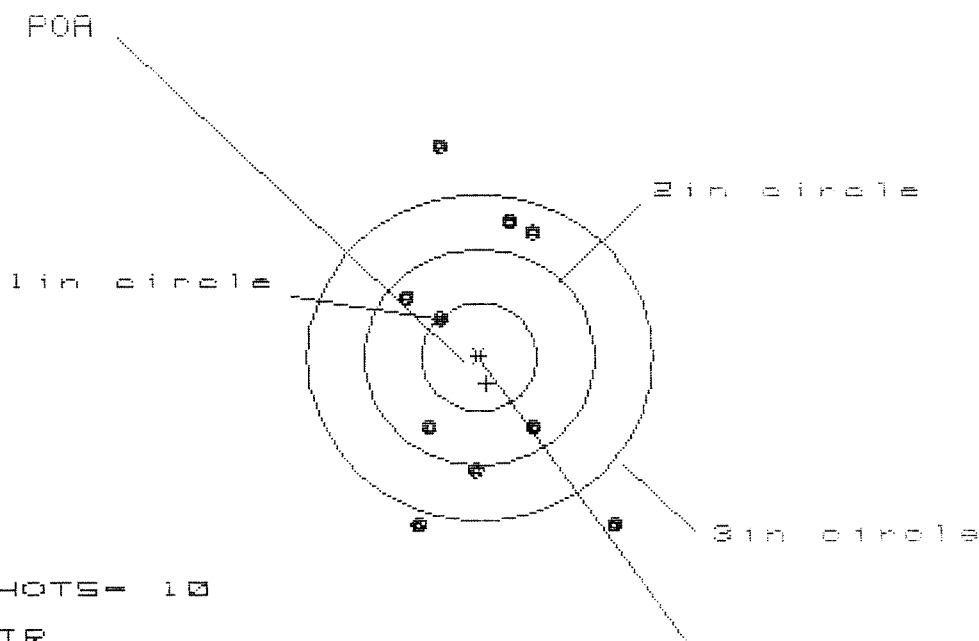
$\frac{5.9}{12}$  <----POA  
4

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .082  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0364  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .069716  
  
THE AMR FOR THIS RIFLE IS: 1.104

10 Feb 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06225570

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 1.761

VS= 3.554

GS= 3.869

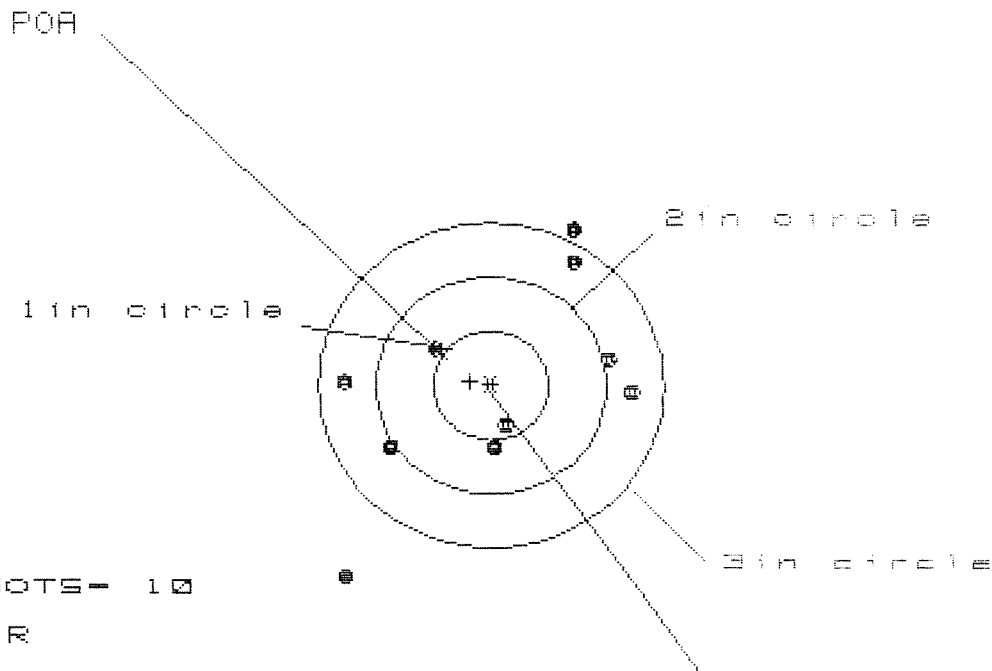
CENTROID \*

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 1      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.142  | 1.099  | .572   |
| MINIMUM X                   | : | -.619  | -.662  | -.525  |
| MAXIMUM Y                   | : | 1.991  | 1.475  | 1.367  |
| MINIMUM Y                   | : | -1.563 | -1.341 | -1.453 |
| CENTROID X                  | : | -.063  | -.020  | -.158  |
| CENTROID Y                  | : | .244   | .022   | .190   |
| POA TO CENTROID in.         | : | .252   | .030   | .247   |
| MIN RADIUS                  | : | .496   | .601   | .490   |
| MEAN RADIUS                 | : | 1.197  | 1.090  | .992   |
| MAX RADIUS                  | : | 2.028  | 1.734  | 1.513  |
| HORIZONTAL SPREAD           | : | 1.761  | 1.761  | 1.096  |
| VERTICAL SPREAD             | : | 3.554  | 2.816  | 2.760  |
| EXTREME SPREAD              | : | 3.869  | 2.962  | 2.857  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

18 Feb 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225570

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 3

3in = 8

HS= 2.468

VS= 3.129

GS= 3.695

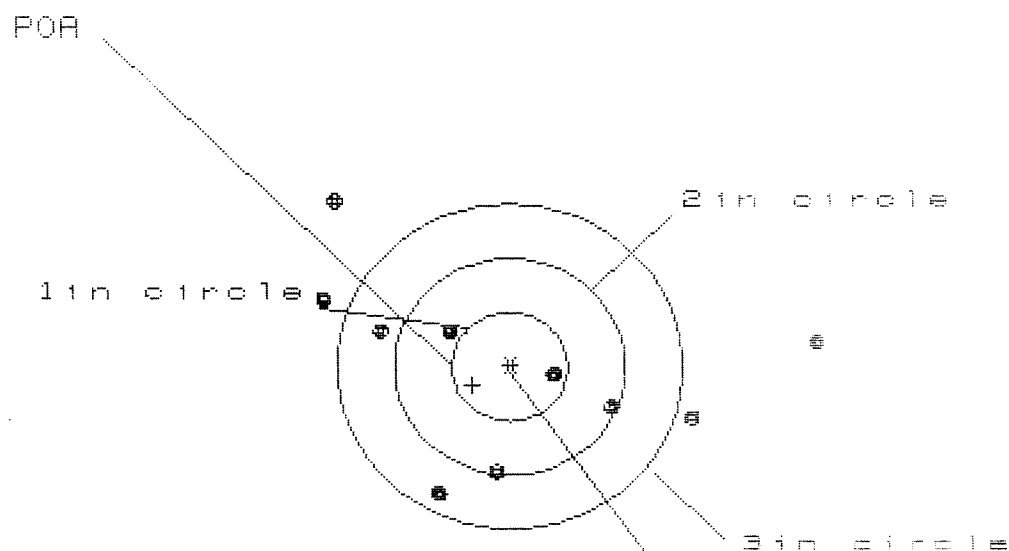
CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 2      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.191  | 1.050  | 1.119  |
| MINIMUM X                   | : | -1.277 | -1.418 | -1.349 |
| MAXIMUM Y                   | : | 1.398  | 1.206  | 1.108  |
| MINIMUM Y                   | : | -1.731 | -.749  | -.599  |
| CENTROID X                  | : | .177   | .318   | .249   |
| CENTROID Y                  | : | -.039  | .153   | .003   |
| POA TO CENTROID in.         | : | .181   | .353   | .249   |
| MIN RADIUS                  | : | .363   | .529   | .384   |
| MEAN RADIUS                 | : | 1.109  | .997   | .927   |
| MAX RADIUS                  | : | 2.147  | 1.431  | 1.350  |
| HORIZONTAL SPREAD           | : | 2.468  | 2.468  | 2.468  |
| VERTICAL SPREAD             | : | 3.129  | 1.955  | 1.707  |
| EXTREME SPREAD              | : | 3.695  | 2.484  | 2.468  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

10 Feb 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06225570

# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 4

3in = 5

HS= 4.286

VS= 2.663

GS= 4.439

CENTROID \*

| PATTERN #                   | : | 3      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 2.713  | 1.876  | 1.721  |
| MINIMUM X                   | : | -1.573 | -1.272 | -1.427 |
| MAXIMUM Y                   | : | 1.483  | 1.509  | .880   |
| MINIMUM Y                   | : | -1.179 | -1.154 | -.966  |
| CENTROID X                  | : | .323   | .022   | .177   |
| CENTROID Y                  | : | .169   | .143   | -.045  |
| POA TO CENTROID in.         | : | .364   | .145   | .183   |
| MIN RADIUS                  | : | .345   | .480   | .489   |
| MEAN RADIUS                 | : | 1.359  | 1.184  | 1.068  |
| MAX RADIUS                  | : | 2.722  | 1.954  | 1.741  |
| HORIZONTAL SPREAD           | : | 4.286  | 3.148  | 3.148  |
| VERTICAL SPREAD             | : | 2.663  | 2.663  | 1.846  |
| EXTREME SPREAD              | : | 4.439  | 3.685  | 3.350  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 6      |        |

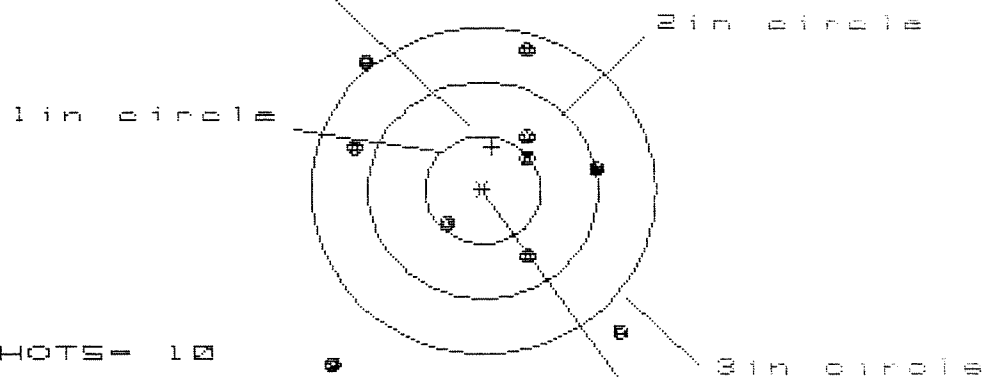
10 Feb 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225570

# CENTERFIRE PATTERNS

# 4

POA



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 2.474

VS= 2.855

GS= 3.342

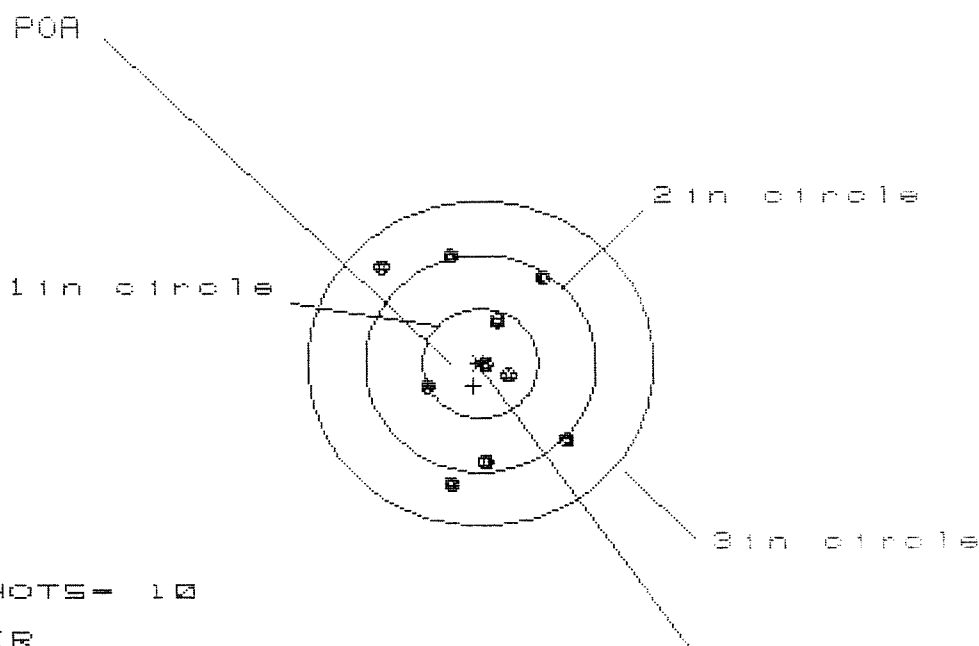
CENTROID #

| PATTERN #                   | : | 4      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.178  | 1.034  | .950   |
| MINIMUM X                   | : | -1.296 | -1.233 | -1.104 |
| MAXIMUM Y                   | : | 1.285  | 1.111  | .920   |
| MINIMUM Y                   | : | -1.570 | -1.525 | -.987  |
| CENTROID X                  | : | -.083  | .061   | -.068  |
| CENTROID Y                  | : | -.398  | -.224  | -.033  |
| POA TO CENTROID in.         | : | .407   | .232   | .076   |
| MIN RADIUS                  | : | .384   | .277   | .384   |
| MEAN RADIUS                 | : | 1.109  | .967   | .864   |
| MAX RADIUS                  | : | 2.036  | 1.843  | 1.314  |
| HORIZONTAL SPREAD           | : | 2.474  | 2.267  | 2.054  |
| VERTICAL SPREAD             | : | 2.855  | 2.636  | 1.907  |
| EXTREME SPREAD              | : | 3.342  | 3.342  | 2.260  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

18 Feb 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/C8225570

# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.629

VS= 2.025

GS= 2.253

CENTROID #

| PATTERN #                     | : | 5      |       |       |
|-------------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)               | : | 10     | 9     | 8     |
| MAXIMUM X                     | : | .787   | .693  | .650  |
| MINIMUM X                     | : | -.842  | -.541 | -.584 |
| MAXIMUM Y                     | : | .958   | 1.057 | .936  |
| MINIMUM Y                     | : | -1.067 | -.968 | -.944 |
| CENTROID X                    | : | .056   | .150  | .193  |
| CENTROID Y                    | : | .206   | .107  | .228  |
| POA TO CENTROID in.           | : | .214   | .184  | .299  |
| MIN RADIUS                    | : | .069   | .069  | .102  |
| MEAN RADIUS                   | : | .747   | .679  | .634  |
| MAX RADIUS                    | : | 1.225  | 1.100 | .999  |
| HORIZONTAL SPREAD             | : | 1.629  | 1.234 | 1.234 |
| VERTICAL SPREAD               | : | 2.025  | 2.025 | 1.880 |
| EXTREME SPREAD                | : | 2.253  | 2.029 | 1.908 |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 3     |       |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 7     |       |
| NUMBER IN THREE INCH CIRCLE = |   |        | 10    |       |

# INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06225570  
17 Mar 1989

## CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| Ø TO | 1 | .548811 |
| 1 TO | 2 | .297294 |
| 1 TO | 3 | .396449 |
| 1 TO | 4 | .252858 |
| 1 TO | 5 | .108006 |

$\frac{3}{2} +$  <----POB

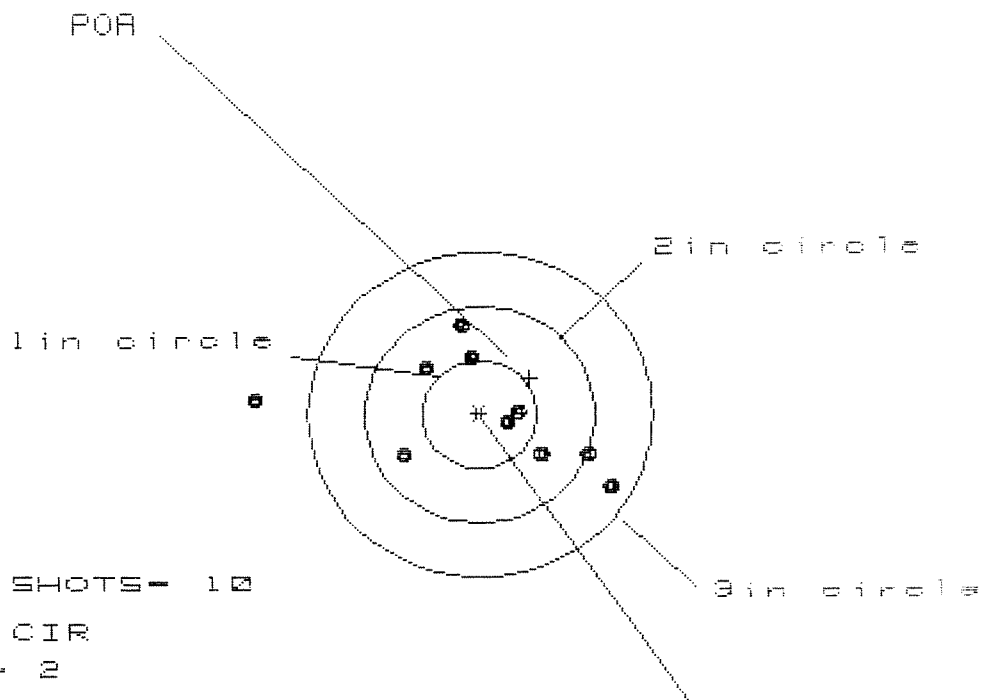
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.5048  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2062  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .54529

THE AMR FOR THIS RIFLE IS: .8944

16 Mar 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/08225570

# CENTERFIRE PATTERNS # 1



# OF SHOTS - 10

# IN CIR

1 in = 2

2 in = 8

3 in = 9

HS = 3.103

VS = 1.471

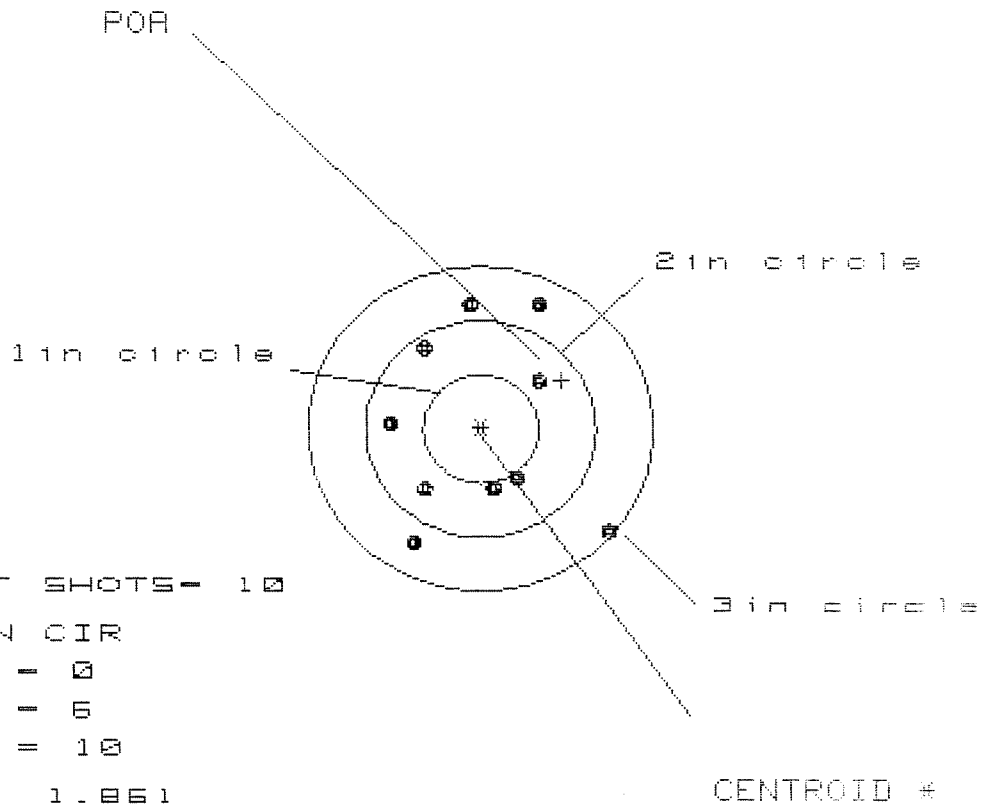
GS = 3.201

| PATTERN #                   | : | 1      | 9     | 8     |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | 1.162  | .946  | .803  |
| MINIMUM X                   | : | -1.941 | -.888 | -.770 |
| MAXIMUM Y                   | : | .792   | .804  | .721  |
| MINIMUM Y                   | : | -.679  | -.667 | -.477 |
| CENTROID X                  | : | -.437  | -.221 | -.339 |
| CENTROID Y                  | : | -.332  | -.344 | -.261 |
| POA TO CENTROID in.         | : | .549   | .409  | .428  |
| MIN RADIUS                  | : | .264   | .093  | .226  |
| MEAN RADIUS                 | : | .835   | .664  | .612  |
| MAX RADIUS                  | : | 1.944  | 1.158 | .933  |
| HORIZONTAL SPREAD           | : | 3.103  | 1.834 | 1.573 |
| VERTICAL SPREAD             | : | 1.471  | 1.471 | 1.198 |
| EXTREME SPREAD              | : | 3.201  | 1.960 | 1.590 |
| NUMBER IN ONE INCH CIRCLE   | = | 2      |       |       |
| NUMBER IN TWO INCH CIRCLE   | = | 8      |       |       |
| NUMBER IN THREE INCH CIRCLE | = | 9      |       |       |

16 Mar 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06225570

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 0

2in = 6

3in = 10

HS= 1.861

VS= 2.174

GS= 2.436

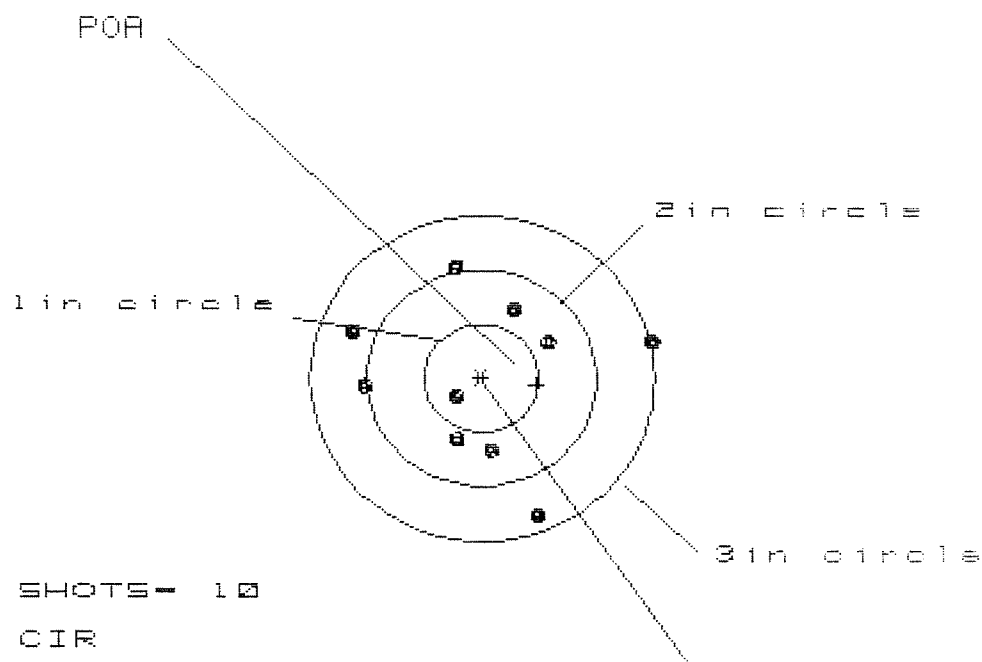
CENTROID #

|                             |   |        |        |       |
|-----------------------------|---|--------|--------|-------|
| PATTERN #                   | : | 2      |        |       |
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.077  | .631   | .568  |
| MINIMUM X                   | : | -.784  | -.664  | -.727 |
| MAXIMUM Y                   | : | 1.121  | 1.011  | .865  |
| MINIMUM Y                   | : | -1.053 | -1.163 | -.783 |
| CENTROID X                  | : | -.709  | -.829  | -.766 |
| CENTROID Y                  | : | -.452  | -.342  | -.196 |
| POA TO CENTROID in.         | : | .841   | .897   | .791  |
| MIN RADIUS                  | : | .509   | .650   | .575  |
| MEAN RADIUS                 | : | .911   | .847   | .790  |
| MAX RADIUS                  | : | 1.465  | 1.268  | 1.020 |
| HORIZONTAL SPREAD           | : | 1.861  | 1.295  | 1.295 |
| VERTICAL SPREAD             | : | 2.174  | 2.174  | 1.648 |
| EXTREME SPREAD              | : | 2.436  | 2.436  | 1.890 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |       |

16 Mar 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225570

# CENTERFIRE PATTERNS # 3



# OF SHOTS - 10

# IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.516

VS= 2.213

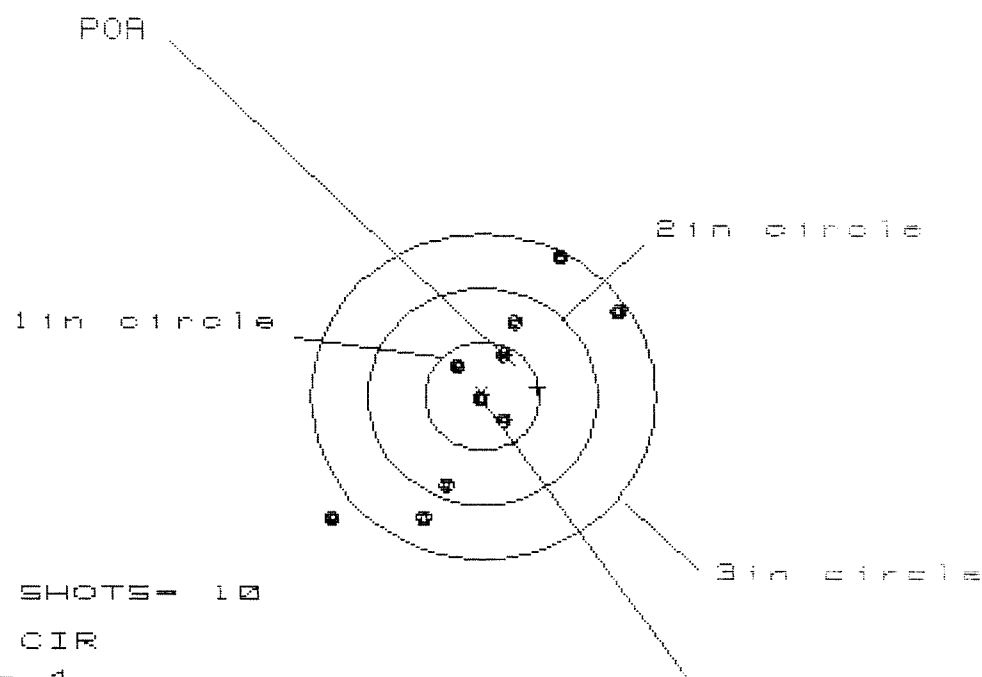
GS= 2.520

| PATTERN #                   | : | 3      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.434  | .763   | .838  |
| MINIMUM X                   | : | -1.082 | -.923  | -.848 |
| MAXIMUM Y                   | : | .990   | 1.023  | .875  |
| MINIMUM Y                   | : | -1.223 | -1.190 | -.771 |
| CENTROID X                  | : | -.481  | -.640  | -.715 |
| CENTROID Y                  | : | .062   | .029   | .177  |
| POA TO CENTROID in.         | : | .485   | .641   | .737  |
| MIN RADIUS                  | : | .290   | .150   | .273  |
| MEAN RADIUS                 | : | .891   | .805   | .745  |
| MAX RADIUS                  | : | 1.465  | 1.333  | .907  |
| HORIZONTAL SPREAD           | : | 2.516  | 1.686  | 1.686 |
| VERTICAL SPREAD             | : | 2.213  | 2.213  | 1.646 |
| EXTREME SPREAD              | : | 2.520  | 2.297  | 1.703 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |       |

16 Mar 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06225570

# CENTERFIRE PATTERNS # 4



# OF SHOTS= 10

# IN CIR

1 in = 4

2 in = 6

3 in = 9

HS= 2.499

VS= 2.432

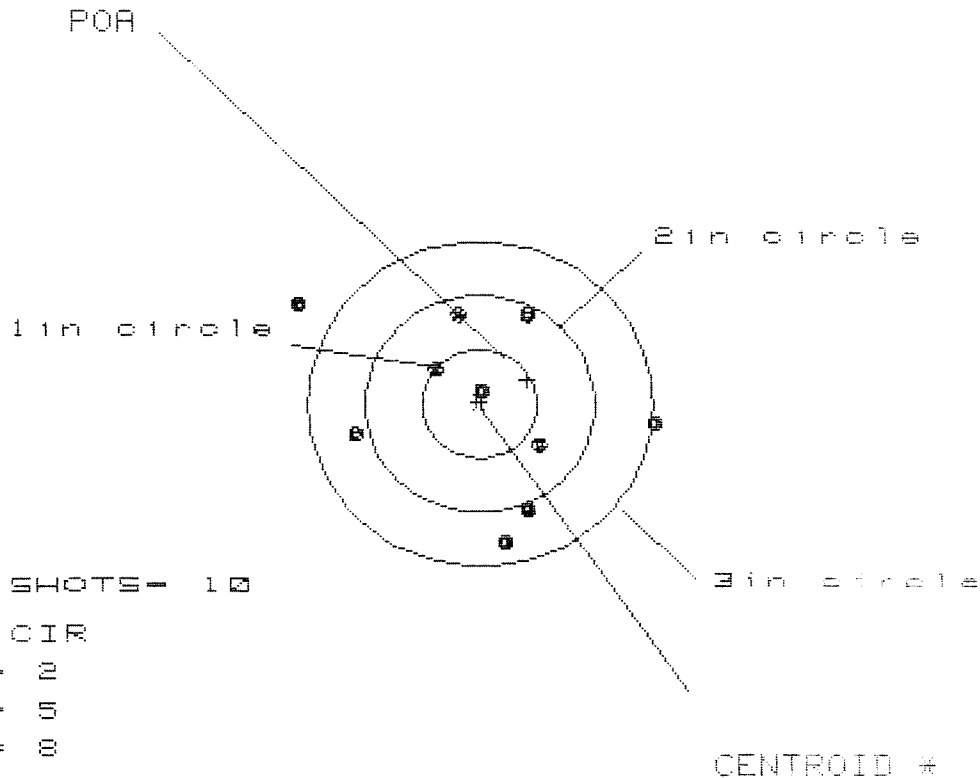
GS= 3.171

| PATTERN #                   | : | 4      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.140  | .989   | 1.056  |
| MINIMUM X                   | : | -1.359 | -.650  | -.583  |
| MAXIMUM Y                   | : | 1.285  | 1.159  | .751   |
| MINIMUM Y                   | : | -1.147 | -1.273 | -1.129 |
| CENTROID X                  | : | -.481  | -.330  | -.397  |
| CENTROID Y                  | : | -.083  | .043   | -.101  |
| POA TO CENTROID in.         | : | .488   | .333   | .410   |
| MIN RADIUS                  | : | .039   | .235   | .117   |
| MEAN RADIUS                 | : | .850   | .747   | .667   |
| MAX RADIUS                  | : | 1.770  | 1.430  | 1.296  |
| HORIZONTAL SPREAD           | : | 2.499  | 1.639  | 1.639  |
| VERTICAL SPREAD             | : | 2.432  | 2.432  | 1.880  |
| EXTREME SPREAD              | : | 3.171  | 2.708  | 2.494  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

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FILE:/PATTERNING/CENTERFIRE\_PATT/C6225570

# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 5

3in = 8

HS= 3.111

VS= 2.182

GS= 3.325

| PATTERN #                   | : | 5      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.502  | 1.324  | .485   |
| MINIMUM X                   | : | -1.609 | -1.219 | -1.054 |
| MAXIMUM Y                   | : | .958   | .932   | .918   |
| MINIMUM Y                   | : | -1.224 | -1.118 | -1.132 |
| CENTROID X                  | : | -.416  | -.237  | -.402  |
| CENTROID Y                  | : | -.226  | -.332  | -.318  |
| POA TO CENTROID in.         | : | .473   | .408   | .513   |
| MIN RADIUS                  | : | .167   | .314   | .259   |
| MEAN RADIUS                 | : | .985   | .886   | .819   |
| MAX RADIUS                  | : | 1.872  | 1.328  | 1.157  |
| HORIZONTAL SPREAD           | : | 3.111  | 2.543  | 1.539  |
| VERTICAL SPREAD             | : | 2.182  | 2.050  | 2.050  |
| EXTREME SPREAD              | : | 3.325  | 2.545  | 2.092  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |