

C6225371

MODEL 700™ M24

Model 700 M24™

Action

Barrel Length

Capacity

Order No. 5716

\*Includes 1 in chamber.

*Remington*

Arms Services Repair Estimate System

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

Repair Inquiry

Repair Number: **RE00092448** Serial: C6225371 Model: M24 SWS Center Fire  
 Verify Repair: Caliber: 7.62 NATO Produced: 10/26/1988 Repairman: Status: Closed 3/3/2005 1:25:54 PM

**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: 362014199 Country: US State: AL Zip Code: 362014199 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   |
| A017 | Scope Base            | 1   |
| A057 | Fit and Rear Sgt Base | 1   |

Repair Search Refresh Close

start 3 3

Serial Number: **C6225371**

Model: **M24 SWS**



**RE00092448**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225371.\_\_\_0  
FILE DATE AND TIME: 09/01/2005 11:25

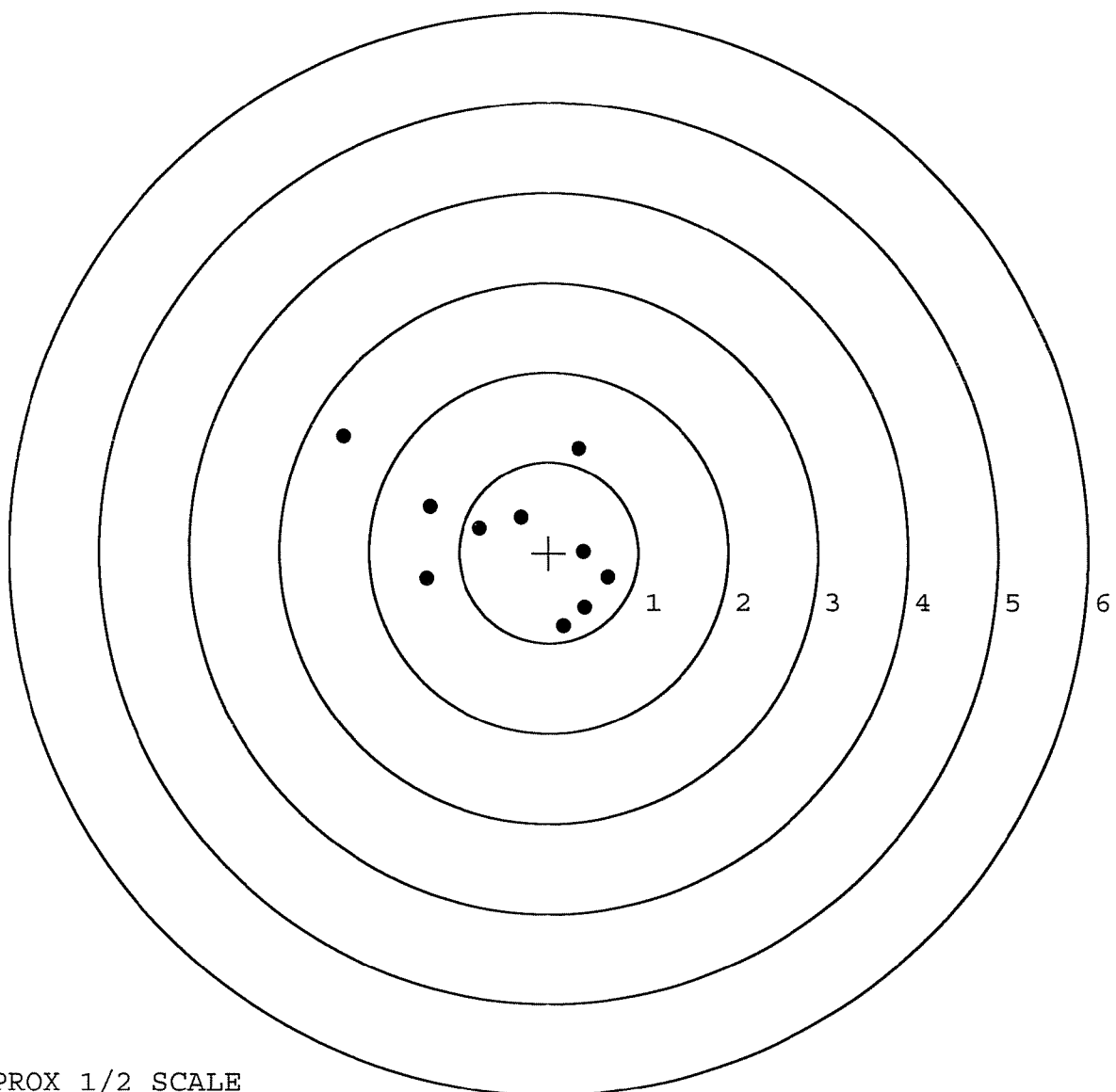
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.107 |
| The Average Y Centroid of the Five Target Set:              | 0.049  |
| The Average Point of Impact of the Five Target Set:         | 0.117  |
| The Average Mean Radius of the Five Target Set:             | 1.052  |
| The Distance from POA to Centroid Target #1:                | 0.442  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.440  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.594  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.654  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.631  |

SERIAL NUMBER: C6225371. \_\_0  
 TARGET NUMBER: 1  
 FILE DATE: 09/01/2005  
 FILE TIME: 11:25

X CENTROID: -0.410  
 Y CENTROID: 0.163  
 POA TO CENTROID: 0.442  
 HORZ SPREAD: 2.953  
 VERT SPREAD: 2.095  
 GROUP SPREAD: 3.333  
 MIN RADIUS: 0.250  
 MAX RADIUS: 2.183  
 MEAN RADIUS: 1.032  
 # IN 1 IN DIAMETER: 2  
 # IN 2 IN DIAMETER: 4  
 # in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.166  | -0.817 |
| 2:     | 0.404  | -0.612 |
| 3:     | 0.666  | -0.268 |
| 4:     | 0.388  | 0.016  |
| 5:     | -0.312 | 0.393  |
| 6:     | -0.778 | 0.272  |
| 7:     | -1.326 | 0.503  |
| 8:     | -1.360 | -0.287 |
| 9:     | -2.287 | 1.278  |
| 10:    | 0.334  | 1.153  |



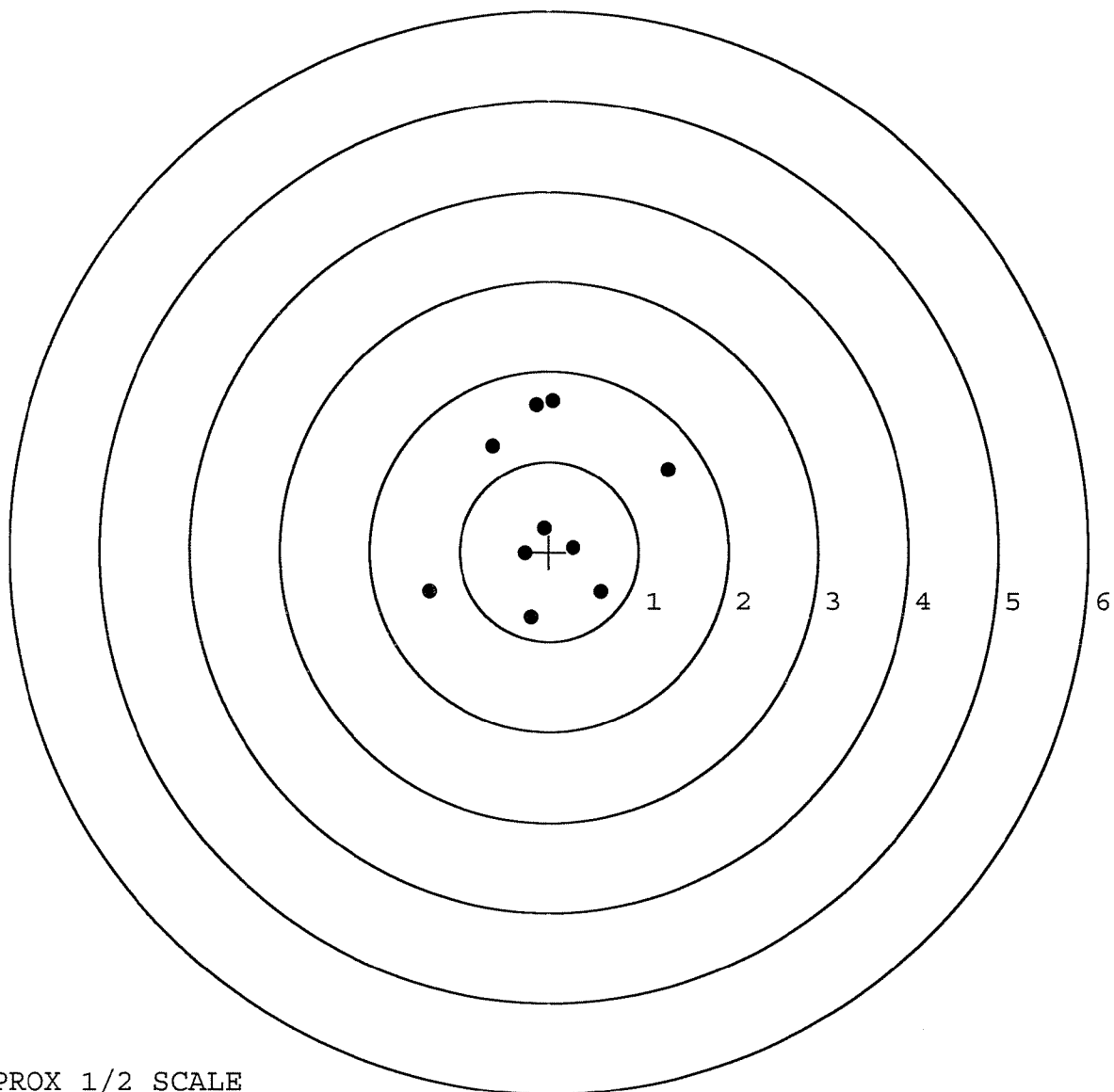
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225371. \_\_0  
TARGET NUMBER: 2  
FILE DATE: 09/01/2005  
FILE TIME: 11:25

X CENTROID: -0.042  
Y CENTROID: 0.404  
POA TO CENTROID: 0.406  
HORZ SPREAD: 2.659  
VERT SPREAD: 2.401  
GROUP SPREAD: 2.983  
MIN RADIUS: 0.142  
MAX RADIUS: 1.548  
MEAN RADIUS: 0.975

# IN 1 IN DIAMETER: 3  
# IN 2 IN DIAMETER: 4  
# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.581  | -0.445 |
| 2:     | -0.201 | -0.734 |
| 3:     | 0.273  | 0.052  |
| 4:     | -0.056 | 0.263  |
| 5:     | -0.273 | -0.016 |
| 6:     | -1.337 | -0.443 |
| 7:     | 1.322  | 0.908  |
| 8:     | -0.628 | 1.170  |
| 9:     | -0.143 | 1.620  |
| 10:    | 0.042  | 1.667  |



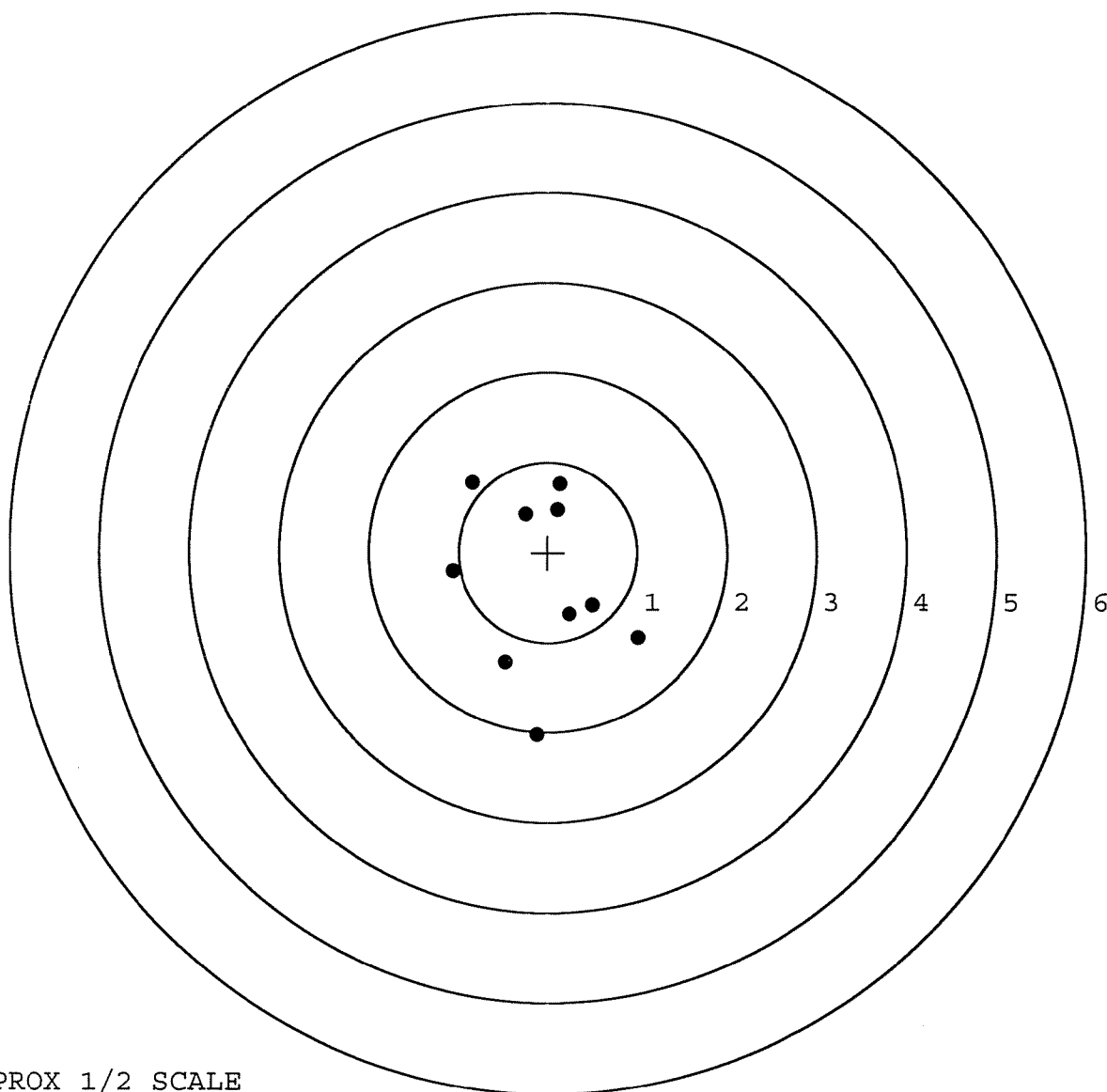
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225371. \_\_0  
TARGET NUMBER: 3  
FILE DATE: 09/01/2005  
FILE TIME: 11:25

X CENTROID: -0.076  
Y CENTROID: -0.327  
POA TO CENTROID: 0.336  
HORZ SPREAD: 2.073  
VERT SPREAD: 2.807  
GROUP SPREAD: 2.897  
MIN RADIUS: 0.484  
MAX RADIUS: 1.711  
MEAN RADIUS: 1.009

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

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.008  | -0.948 |
| 2:     | -0.126 | -2.037 |
| 3:     | -0.479 | -1.222 |
| 4:     | 0.244  | -0.690 |
| 5:     | 0.503  | -0.588 |
| 6:     | -1.065 | -0.210 |
| 7:     | -0.841 | 0.770  |
| 8:     | -0.251 | 0.425  |
| 9:     | 0.113  | 0.472  |
| 10:    | 0.137  | 0.756  |

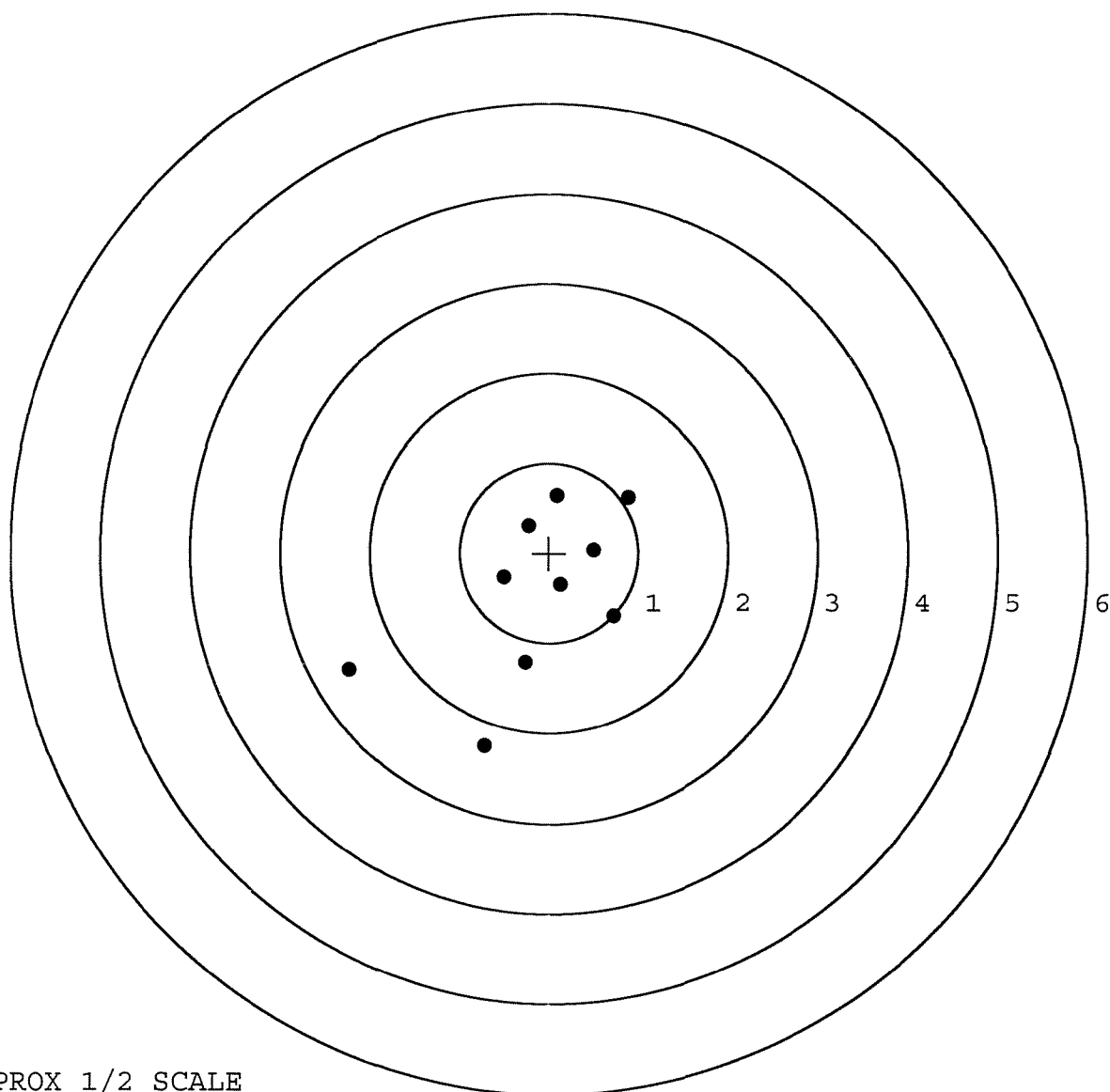


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225371. \_\_0  
TARGET NUMBER: 4  
FILE DATE: 09/01/2005  
FILE TIME: 11:25

X CENTROID: -0.161  
Y CENTROID: -0.441  
POA TO CENTROID: 0.469  
HORZ SPREAD: 3.118  
VERT SPREAD: 2.787  
GROUP SPREAD: 3.666  
MIN RADIUS: 0.303  
MAX RADIUS: 2.245  
MEAN RADIUS: 1.061  
# IN 1 IN DIAMETER: 2  
# IN 2 IN DIAMETER: 6  
# in 3 IN DIAMETER: 8

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.732  | -0.703 |
| 2:     | 0.504  | 0.035  |
| 3:     | 0.887  | 0.619  |
| 4:     | 0.091  | 0.638  |
| 5:     | -0.229 | 0.300  |
| 6:     | -0.506 | -0.270 |
| 7:     | -0.265 | -1.222 |
| 8:     | -0.716 | -2.149 |
| 9:     | -2.231 | -1.309 |
| 10:    | 0.128  | -0.347 |

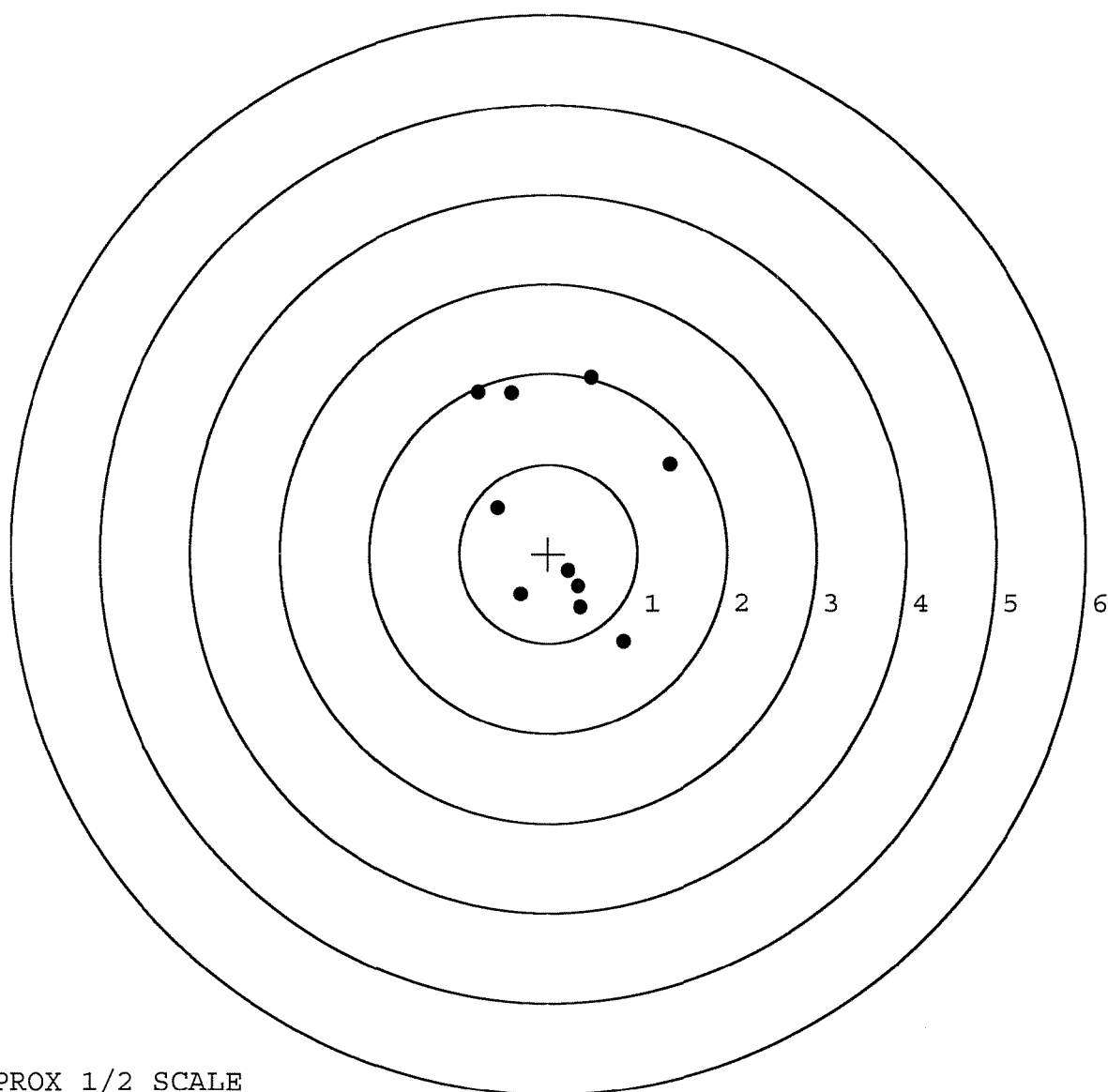


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225371. \_\_0  
 TARGET NUMBER: 5  
 FILE DATE: 09/01/2005  
 FILE TIME: 11:25

X CENTROID: 0.154  
 Y CENTROID: 0.445  
 POA TO CENTROID: 0.471  
 HORZ SPREAD: 2.137  
 VERT SPREAD: 2.939  
 GROUP SPREAD: 3.212  
 MIN RADIUS: 0.640  
 MAX RADIUS: 1.636  
 MEAN RADIUS: 1.182  
 # IN 1 IN DIAMETER: 0  
 # IN 2 IN DIAMETER: 3  
 # in 3 IN DIAMETER: 7

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.847  | -0.982 |
| 2:     | 0.361  | -0.601 |
| 3:     | 0.334  | -0.362 |
| 4:     | 0.223  | -0.191 |
| 5:     | -0.310 | -0.457 |
| 6:     | -0.570 | 0.510  |
| 7:     | 1.357  | 1.005  |
| 8:     | 0.491  | 1.957  |
| 9:     | -0.409 | 1.782  |
| 10:    | -0.780 | 1.788  |



TARGET APPROX 1/2 SCALE

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

|                     |                         |                     |             |
|---------------------|-------------------------|---------------------|-------------|
| R & E NUMBER        | 92448                   |                     |             |
| SERIAL NUMBER       | C6225371                |                     |             |
| LOG-IN DATE         | <del>92448</del> 2-3-05 |                     |             |
| INSPECT AND VERIFY: |                         |                     |             |
| OPERATION #         | OPERATION NAME          | DATE                | INITIAL     |
| 550                 | DIS-ASSEMBLE GUN        | 8-16-05             | RTL         |
| 560 A               | RE-BARREL               | 8-23-05             | RTL         |
| B                   | DRILL AND TAP           | 8-25-05             | TRW         |
| 575                 | ASSEMBLE                | 8-24-05             | RTL         |
| 600                 | PROOF                   | 8-24-05             | AC          |
| 605                 | CHECK HEADSPACE         | 8-24-05             | AC          |
| 610                 | DIS-ASSEMBLE GUN        | 8-25-05             | RTL         |
| 612                 | MAGNAFLUX <i>unms</i>   | 8/25/05             | <i>unms</i> |
| 615                 | ROLLMARK CALIBER        | 8-25-05             | CW          |
| 618                 | ROTO-BLAST              | 8-26-05             | LB          |
| 620                 | APPLY COATINGS          | 8/29/05             | RB          |
| 625 A               | FINAL ASSEMBLY          | 9-1-05              | RTL         |
| B                   | TRIGGER PULL TEST       |                     |             |
| C                   | SAFETY "ON" FORCE       | 9-6-05              | AC          |
| D                   | SAFETY "OFF" FORCE      | 9-6-05              | AC          |
| E                   | FIRING PIN INDENT       | 9-6-05              | AC          |
| 640                 | TARGET                  | 9-1-05              | TRW         |
| 655                 | FINAL INSPECT           | 9-6-05              | AC          |
| 660                 | PACK                    | 9-12-05             | QA          |
|                     |                         | SHIP DATE           |             |
|                     |                         | QAR INSPECTION DATE |             |

88299

508!

# M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225371

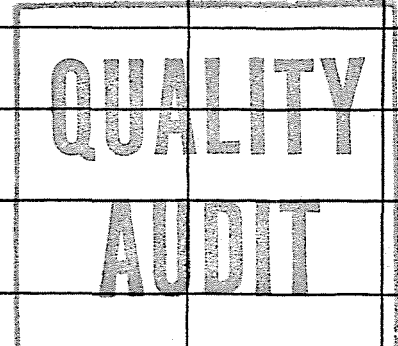
| OPERATION |                      | DATE    | INT |
|-----------|----------------------|---------|-----|
| #         | NAME                 |         |     |
| 575-580   | ASSEMBLY             | 1/22    | FB  |
| 600       | PROOF                | 1/28/88 | RW  |
| 615       | MAGNAFLUX<br>BARREL  | 2/18/88 | P/C |
|           | MAGNAFLUX<br>BOLT    | 5/13/88 | P/R |
| 620       | COATING              | 8/1/88  | TJA |
| 625-630   | FINAL<br>ASSEMBLY    |         |     |
| 635       | TEST                 |         |     |
| 640       | TARGET               |         |     |
|           | FIRING PIN<br>INDENT |         |     |
| 660       | PACK                 |         |     |

SCODE #  
1222

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225371



| 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 & Tap Sight Holes                                        |          |        |         |
| 618          | Polish Barrel                                                  |          |        |         |
| 620          | Apply Coatings<br>(Barrel Action)                              |          |        |         |
|              | Apply Coatings (Bolt)                                          |          |        |         |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 9/1/88 | RW      |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 9/1/88 | RW      |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 9/1/88 | RW      |

OVER

| OP.#         |                                                             | READINGS           | DATE      | INITIAL     |
|--------------|-------------------------------------------------------------|--------------------|-----------|-------------|
| 625<br>cont. | D) Oil Firing Pin Ass'y                                     |                    | 9/1/88    | RW          |
|              | E) Adjust Trigger Pull to Min. Setting and Stake            |                    | 26 aug 88 | W.B. + J.S. |
|              | F) Safety on Force                                          | 6   6.25   6.25    | 26 aug 88 | W.B. + J.S. |
|              | G) Safety off Force                                         | 3   3.25   3       | 26 aug 88 | W.B. + J.S. |
|              | H) Trigger Pull Test & Retainabilty                         |                    | 26 aug 88 | W.B. + J.S. |
|              | I) Firing Pin Indent                                        | .023   .023   .023 | 26 aug 88 | W.B. + J.S. |
|              | J) Assemble Stock                                           |                    | 9/1/88    | RW          |
|              | K) Assemble Swivel Studs                                    |                    | 10/14/88  | JY          |
|              | L) Attach Front & Rear Sight Assemblies                     |                    | 9/2/88    | RW          |
|              | M) Iron Sight Alignment                                     |                    | 9/2/88    | RW          |
|              | N) Detach Front & Rear Sights & place in numbered container |                    | 9/2/88    | RW          |
|              | O) Attach Scope to Rifle                                    | 44 R 112L 48E      | 9/8/88    | RW          |
|              | P) Detach & Attach Scope 20 times                           |                    | 9/8/88    | W.B.        |
| 640          | Gallery Target & Test                                       | 13:20              | 9/12/88   | D.H.        |
|              | A) Optical Clarity of Scope                                 | OK                 | 9/12/88   | D.H.        |
| 645          | Inspect for Live Ammo                                       |                    | 9/18/88   | W.B.        |
| 655          | Final Inspection                                            |                    |           |             |
|              | A) Headspace                                                | OK                 | 9/29/88   | JY          |
|              | B) Trigger Pull                                             | OK                 | 9/29/88   | JY          |
|              | C) Function                                                 | OK                 | 9/29/88   | JY          |
| 660          | Pack                                                        |                    | 10-21-88  | J.S.        |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6225371

DATE 26 Aug. 88

TESTER W.B. + D.S.

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |       | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-------|------------------------------------------------------------------------|
| PULL #1 | 2.47             | 2.16                     | 2.19                           | 2.58  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.38             | 2.17                     | 2.19                           | 2.78  |                                                                        |
| PULL #3 | 2.39             | 2.15                     | 2.17                           | 2.72  |                                                                        |
| PULL #4 | 2.33             | 2.18                     | 2.15                           | 2.78  |                                                                        |
| PULL #5 | 2.31             | 2.19                     | 2.11                           | 2.76  |                                                                        |
| TOTAL   | 11.88            | 10.85                    | 10.81                          | 13.52 |                                                                        |
| AVG.    | 2.376            | 2.17                     | 2.162                          | 2.704 |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.14             | 3.07                     |  |          |
| PULL #2 | 3.12             | 3.07                     |  |          |
| PULL #3 | 3.11             | 3.07                     |  |          |
| PULL #4 | 3.16             | 3.06                     |  |          |
| PULL #5 | 3.17             | 3.07                     |  |          |
| TOTAL   | 15.70            | 15.34                    |  |          |
| AVG.    | 3.14             | 3.068                    |  |          |

|         | 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 | 4.38             | 4.11                     |                                | 4.35                                 |
| PULL #2 | 4.15             | 4.02                     |                                | 4.26                                 |
| PULL #3 | 4.17             | 4.11                     |                                | 4.27                                 |
| PULL #4 | 4.19             | 4.11                     |                                | 4.22                                 |
| PULL #5 | 4.18             | 4.15                     |                                | 4.09                                 |
| TOTAL   | 21.07            | 20.50                    |                                | 21.19                                |
| AVG.    | 4.214            | 4.10                     |                                | 4.238                                |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C622~~554~~ 59.71

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | 1.22362 |
| 1 TO | 2 | 1.60705 |
| 1 TO | 3 | 1.085   |
| 1 TO | 4 | 1.24566 |
| 1 TO | 5 | 1.7726  |

1 3<sup>4</sup> <----POA

2 5

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.588  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.3688  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .694087

THE AMR FOR THIS RIFLE IS: 1.201

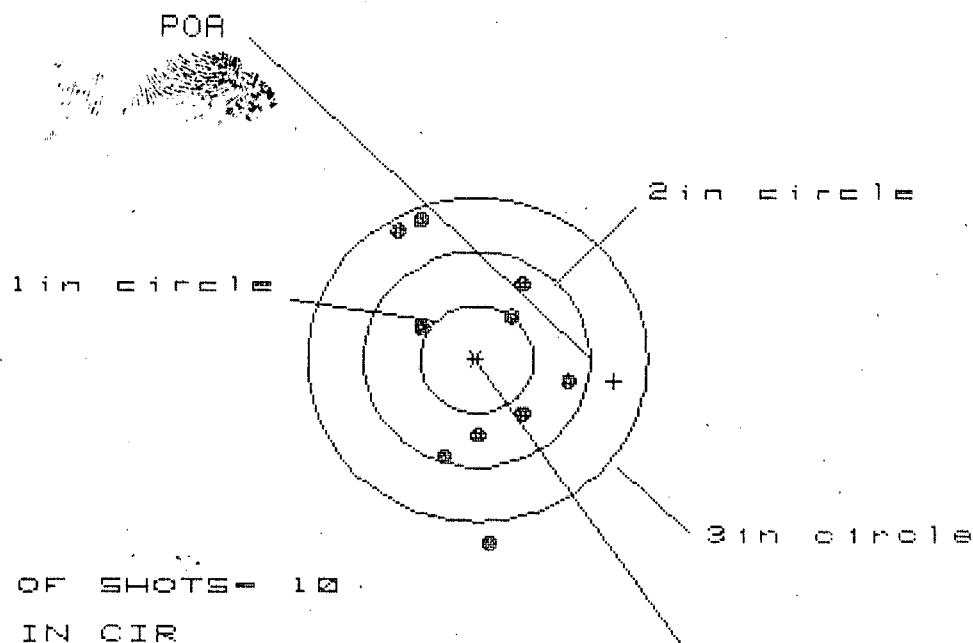
371

12 Sep 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/06225954

## CENTERFIRE PATTERNS

# 1



# OF SHOTS - 10

# IN CIR

1 in = 0

2 in = 7

3 in = 9

HS = 1.442

VS = 3.039

GS = 3.093

CENTROID \*

| PATTERN #                     | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | .790   | .798   | .736   |
| MINIMUM X                     | -.652  | -.644  | -.706  |
| MAXIMUM Y                     | 1.343  | 1.154  | 1.154  |
| MINIMUM Y                     | -1.696 | -1.110 | -.965  |
| CENTROID X                    | -1.207 | -1.215 | -1.153 |
| CENTROID Y                    | .201   | .390   | .245   |
| POA TO CENTROID in.           | 1.223  | 1.276  | 1.179  |
| MIN RADIUS                    | .557   | .428   | .490   |
| MEAN RADIUS                   | .954   | .859   | .795   |
| MAX RADIUS                    | 1.698  | 1.256  | 1.352  |
| HORIZONTAL SPREAD             | 1.442  | 1.442  | 1.442  |
| VERTICAL SPREAD               | 3.039  | 2.264  | 2.119  |
| EXTREME SPREAD                | 3.093  | 2.271  | 2.145  |
| NUMBER IN ONE INCH CIRCLE =   | 0      |        |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 7      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 9      |        |

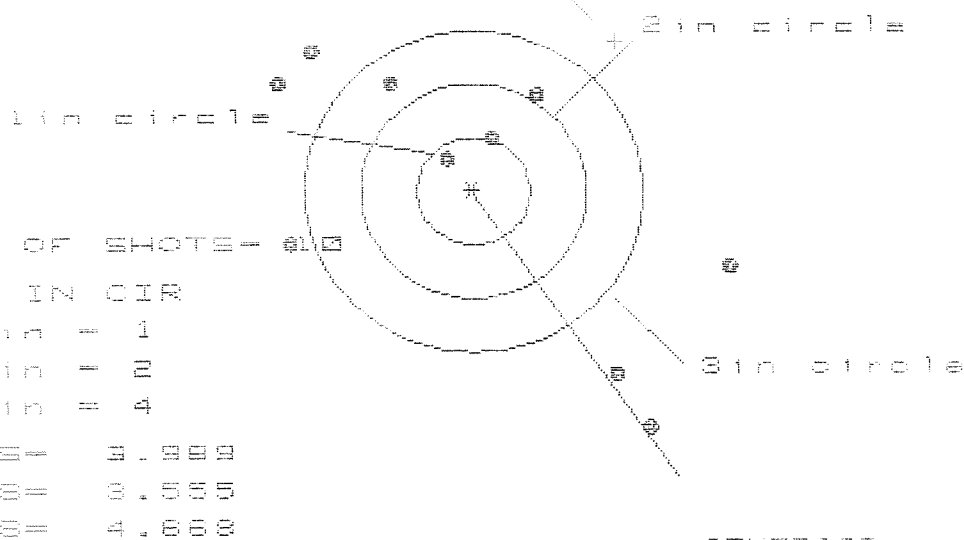
5371

12 Sep 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/08285281

# CENTERFIRE PATTERNS # 2

POA



CENTROID #

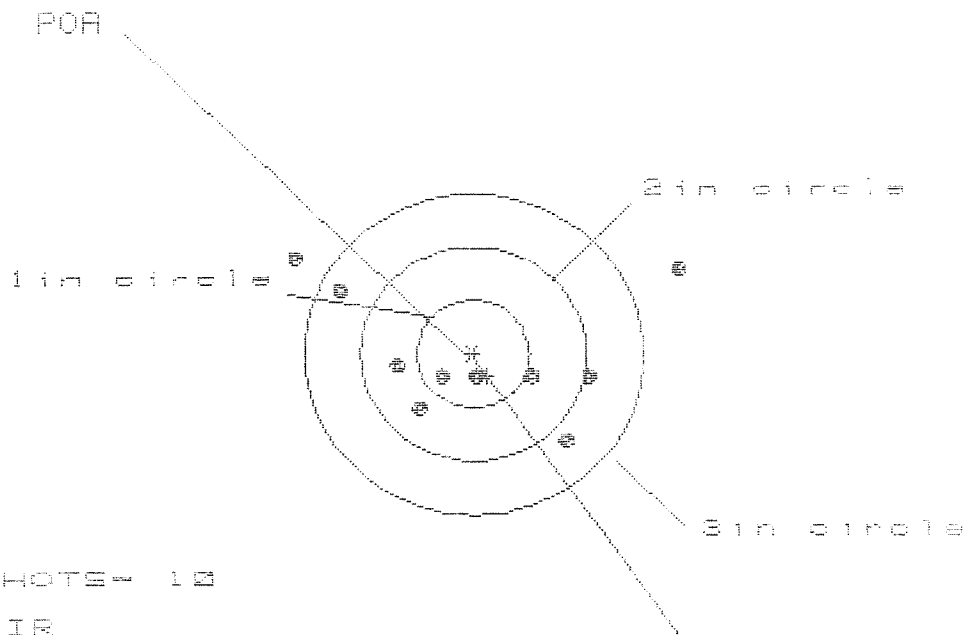
|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 2      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 2.270  | 2.444  | 1.728  |
| MINIMUM X                   | : | -1.719 | -1.545 | -1.240 |
| MAXIMUM Y                   | : | 1.353  | 1.109  | .990   |
| MINIMUM Y                   | : | -2.202 | -1.987 | -2.106 |
| CENTROID X                  | : | -1.265 | -1.439 | -1.744 |
| CENTROID Y                  | : | -1.405 | -1.161 | -1.042 |
| POA TO CENTROID in.         | : | 1.891  | 1.849  | 2.032  |
| MIN RADIUS                  | : | .437   | .137   | .215   |
| MEAN RADIUS                 | : | 1.620  | 1.402  | 1.211  |
| MAX RADIUS                  | : | 2.701  | 2.621  | 2.724  |
| HORIZONTAL SPREAD           | : | 3.989  | 3.989  | 2.968  |
| VERTICAL SPREAD             | : | 3.555  | 3.096  | 3.096  |
| EXTREME SPREAD              | : | 4.668  | 4.335  | 4.115  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 4      |        |

5371

12 Sep 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/082254

## CENTERFIRE PATTERNS # 3



# OF SHOTS = 10

# IN CIR

1in = 2

2in = 5

3in = 8

HS = 0.392

VS = 1.636

GS = 3.392

PATTERN #

3

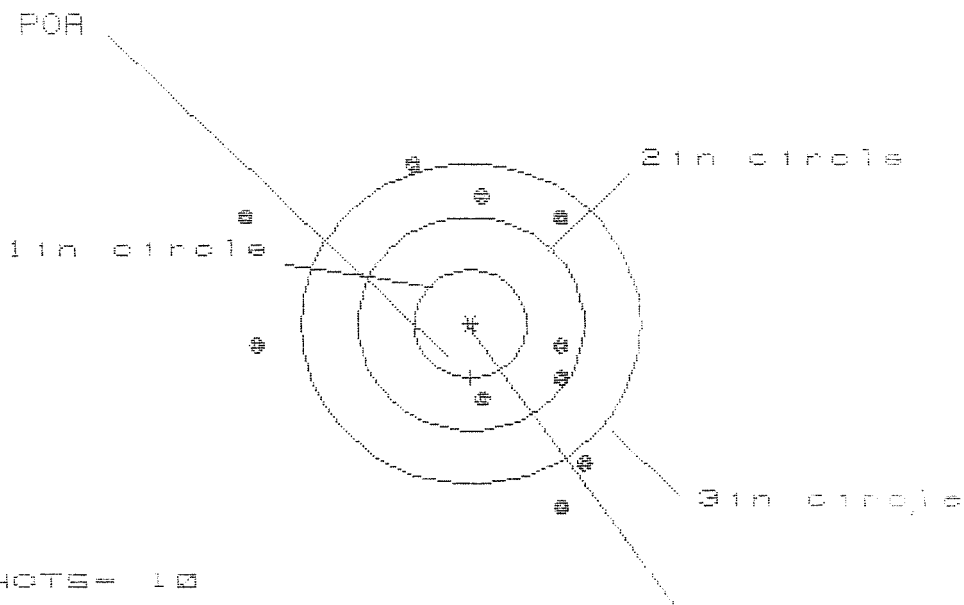
|                               | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.821  | 1.249  | 1.078  |
| MINIMUM X                     | -1.571 | -1.369 | -1.117 |
| MAXIMUM Y                     | .857   | .942   | .622   |
| MINIMUM Y                     | -.779  | -.694  | -.576  |
| CENTROID X                    | -.122  | -.324  | -.153  |
| CENTROID Y                    | .204   | .119   | .001   |
| POA TO CENTROID in.           | .238   | .345   | .153   |
| MIN RADIUS                    | .164   | .147   | .043   |
| MEAN RADIUS                   | .974   | .822   | .692   |
| MAX RADIUS                    | 1.977  | 1.662  | 1.387  |
| HORIZONTAL SPREAD             | 3.392  | 2.618  | 2.195  |
| VERTICAL SPREAD               | 1.636  | 1.636  | 1.398  |
| EXTREME SPREAD                | 3.392  | 2.910  | 2.426  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |

5371

12 Sep 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/C822254

# CENTERFIRE PATTERNS # 4



# OF SHOTS= 10

# IN CIR

1 in = 0

2 in = 3

3 in = 5

HS= 2.920

VS= 3.192

GS= 3.806

CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 4      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .965   | .747   | .484   |
| MINIMUM X                   | : | -1.956 | -2.106 | -.948  |
| MAXIMUM Y                   | : | 1.512  | 1.618  | 1.606  |
| MINIMUM Y                   | : | -1.680 | -1.574 | -1.586 |
| CENTROID X                  | : | .001   | .219   | .482   |
| CENTROID Y                  | : | .565   | .399   | .411   |
| POA TO CENTROID in.         | : | .585   | .455   | .634   |
| MIN RADIUS                  | : | .749   | .590   | .336   |
| MEAN RADIUS                 | : | 1.403  | 1.261  | 1.097  |
| MAX RADIUS                  | : | 2.176  | 2.108  | 1.865  |
| HORIZONTAL SPREAD           | : | 2.920  | 2.853  | 1.432  |
| VERTICAL SPREAD             | : | 3.192  | 3.192  | 3.192  |
| EXTREME SPREAD              | : | 3.806  | 3.431  | 3.431  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 5      |        |

12 Sep 1986

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5371

# CENTERFIRE PATTERNS

# 5

POA

1in circle

2in circle

3in circle

# OF SHOTS- 10

# IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.137

VS= 3.057

GS= 3.156

CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 5      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .839   | .783   | .737   |
| MINIMUM X                   | : | -1.298 | -1.354 | -1.400 |
| MAXIMUM Y                   | : | 1.927  | 1.676  | .869   |
| MINIMUM Y                   | : | -1.130 | -.915  | -.706  |
| CENTROID X                  | : | -.347  | -.291  | -.245  |
| CENTROID Y                  | : | -1.349 | -1.564 | -1.773 |
| POA TO CENTROID in.         | : | 1.393  | 1.591  | 1.790  |
| MIN RADIUS                  | : | .414   | .234   | .194   |
| MEAN RADIUS                 | : | 1.053  | .882   | .715   |
| MAX RADIUS                  | : | 1.993  | 1.716  | 1.533  |
| HORIZONTAL SPREAD           | : | 2.137  | 2.137  | 2.137  |
| VERTICAL SPREAD             | : | 3.057  | 2.591  | 1.575  |
| EXTREME SPREAD              | : | 3.156  | 2.658  | 2.151  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

# INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6225371

## CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| Ø TO | 1 | .966168 |
| 1 TO | 2 | .324711 |
| 1 TO | 3 | .316082 |
| 1 TO | 4 | .579652 |
| 1 TO | 5 | .421969 |

+ <----FOR  
1 0  
4 0

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2036  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -1.1448  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.16276  
THE AMR FOR THIS RIFLE IS: .9452

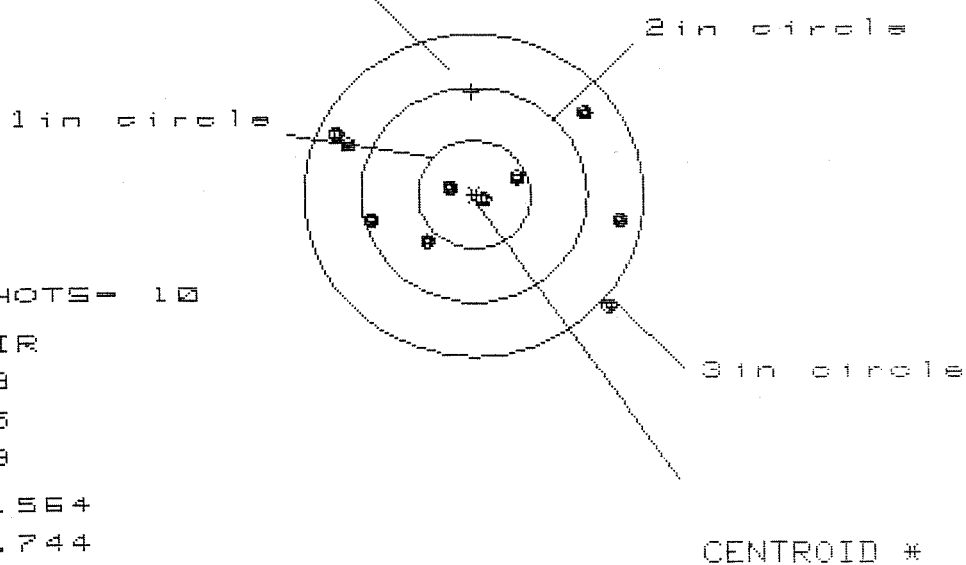
# INTERCHANGEABILITY

18 Oct 1988

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## CENTERFIRE PATTERNS # 1

POA



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 5

3in = 8

HS= 2.564

VS= 1.744

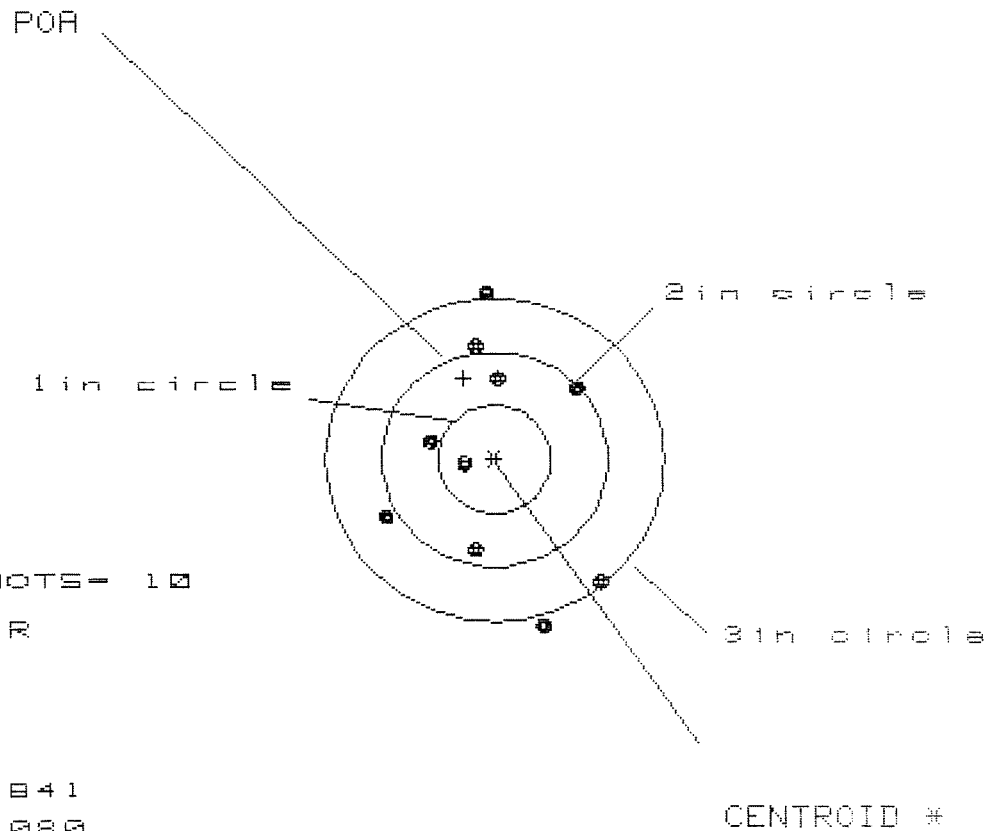
GS= 2.849

| PATTERN #                   | : | 1      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.308  | 1.435  | 1.294  |
| MINIMUM X                   | : | -1.256 | -1.129 | -1.082 |
| MAXIMUM Y                   | : | .753   | .643   | .698   |
| MINIMUM Y                   | : | -.991  | -.511  | -.456  |
| CENTROID X                  | : | .018   | -.109  | .032   |
| CENTROID Y                  | : | -.966  | -.856  | -.911  |
| POA TO CENTROID in.         | : | .966   | .863   | .911   |
| MIN RADIUS                  | : | .131   | .121   | .147   |
| MEAN RADIUS                 | : | .887   | .814   | .751   |
| MAX RADIUS                  | : | 1.512  | 1.480  | 1.330  |
| HORIZONTAL SPREAD           | : | 2.564  | 2.564  | 2.376  |
| VERTICAL SPREAD             | : | 1.744  | 1.154  | 1.154  |
| EXTREME SPREAD              | : | 2.849  | 2.686  | 2.485  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

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# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 1.841

VS= 3.080

GS= 3.114

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 2      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .899   | .948   | .950   |
| MINIMUM X                   | : | -.942  | -.893  | -.891  |
| MAXIMUM Y                   | : | 1.542  | 1.371  | 1.063  |
| MINIMUM Y                   | : | -1.538 | -1.338 | -1.167 |
| CENTROID X                  | : | .269   | .220   | .217   |
| CENTROID Y                  | : | -.760  | -.589  | -.760  |
| POA TO CENTROID in.         | : | .806   | .629   | .791   |
| MIN RADIUS                  | : | .261   | .298   | .210   |
| MEAN RADIUS                 | : | 1.026  | .940   | .880   |
| MAX RADIUS                  | : | 1.598  | 1.640  | 1.505  |
| HORIZONTAL SPREAD           | : | 1.841  | 1.841  | 1.841  |
| VERTICAL SPREAD             | : | 3.080  | 2.709  | 2.230  |
| EXTREME SPREAD              | : | 3.114  | 2.863  | 2.477  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

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# CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

# OF SHOTS - 10

# IN CIR

1in = 0

2in = 6

3in = 9

HS= 1.419

VS= 3.181

GS= 3.306

CENTROID \*

| PATTERN #                   | : | 3      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .382   | .320   | .353   |
| MINIMUM X                   | : | -1.037 | -1.099 | -1.066 |
| MAXIMUM Y                   | : | 1.936  | 1.285  | 1.156  |
| MINIMUM Y                   | : | -1.245 | -1.030 | -.741  |
| CENTROID X                  | : | .226   | .288   | .255   |
| CENTROID Y                  | : | -1.204 | -1.419 | -1.290 |
| POA TO CENTROID in.         | : | 1.225  | 1.448  | 1.315  |
| MIN RADIUS                  | : | .541   | .390   | .518   |
| MEAN RADIUS                 | : | 1.001  | .839   | .825   |
| MAX RADIUS                  | : | 2.017  | 1.311  | 1.193  |
| HORIZONTAL SPREAD           | : | 1.419  | 1.419  | 1.419  |
| VERTICAL SPREAD             | : | 3.181  | 2.315  | 1.897  |
| EXTREME SPREAD              | : | 3.306  | 2.315  | 1.903  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

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# CENTERFIRE PATTERNS

# 4

POA

1in circle

2in circle

3in circle

# OF SHOTS- 10

# IN CIR

1in = 2

2in = 5

3in = 10

HS= 2.245

VS= 1.978

GS= 2.410

CENTROID \*

| PATTERN #                   | : | 4      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.065  | 1.174  | 1.040  |
| MINIMUM X                   | : | -1.180 | -1.071 | -.485  |
| MAXIMUM Y                   | : | 1.000  | .891   | .887   |
| MINIMUM Y                   | : | -.978  | -.851  | -.855  |
| CENTROID X                  | : | .204   | .095   | .229   |
| CENTROID Y                  | : | -1.515 | -1.406 | -1.402 |
| POA TO CENTROID in.         | : | 1.528  | 1.409  | 1.420  |
| MIN RADIUS                  | : | .425   | .419   | .480   |
| MEAN RADIUS                 | : | .851   | .784   | .749   |
| MAX RADIUS                  | : | 1.389  | 1.176  | 1.042  |
| HORIZONTAL SPREAD           | : | 2.245  | 2.245  | 1.525  |
| VERTICAL SPREAD             | : | 1.978  | 1.742  | 1.742  |
| EXTREME SPREAD              | : | 2.410  | 2.247  | 1.785  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |

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# CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID \*

# OF SHOTS- 10

# IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.887

VS= 1.736

GS= 3.369

|                               |   |        |        |        |
|-------------------------------|---|--------|--------|--------|
| PATTERN #                     | : | 5      |        |        |
| SHOTS (BEST OF)               | : | 10     | 9      | 8      |
| MAXIMUM X                     | : | 1.789  | 1.351  | 1.239  |
| MINIMUM X                     | : | -1.098 | -.899  | -.780  |
| MAXIMUM Y                     | : | .761   | .652   | .625   |
| MINIMUM Y                     | : | -.975  | -1.046 | -.964  |
| CENTROID X                    | : | .301   | .102   | .214   |
| CENTROID Y                    | : | -1.279 | -1.170 | -1.252 |
| POA TO CENTROID in.           | : | 1.313  | 1.175  | 1.270  |
| MIN RADIUS                    | : | .111   | .106   | .189   |
| MEAN RADIUS                   | : | .961   | .800   | .768   |
| MAX RADIUS                    | : | 2.038  | 1.353  | 1.249  |
| HORIZONTAL SPREAD             | : | 2.887  | 2.250  | 2.019  |
| VERTICAL SPREAD               | : | 1.736  | 1.698  | 1.589  |
| EXTREME SPREAD                | : | 3.369  | 2.322  | 2.125  |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE = |   |        | 9      |        |