

C6225481

MODEL 700<sup>TM</sup> M24

Model **SMS**<sup>TM</sup>

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.





M-24  
INSPECTION CHECKLIST - REPAIRS  
CONTRACT #: W52H09-07-C-0207  
ISSUED 10/1/2007

|                                |  |  |  |
|--------------------------------|--|--|--|
| R & E NUMBER <u>162698</u>     |  |  |  |
| SERIAL NUMBER <u>C16225481</u> |  |  |  |
| LOG-IN DATE <u>2-24-09</u>     |  |  |  |

| OPERATION # | OPERATION NAME       | DATE                        | INITIAL        |
|-------------|----------------------|-----------------------------|----------------|
| 500         | DIS-ASSEMBLE GUN     | 6-16-09                     | RTZ            |
| 505         | RE-BARREL            | 6-24-09                     | RTZ            |
| 420         | ASSEMBLE             | 6-24-09                     | RTZ            |
| 440         | PROOF                | 6-23-09                     | RTZ            |
| 460         | CHECK HEADSPACE      | 6-23-09                     | RTZ            |
| 470         | DIS-ASSEMBLE GUN     | 6-23-09                     | RTZ            |
| 480         | MAGNAFLUX            | 6/26/09                     | <del>RTZ</del> |
| 510         | DRILL AND TAP        | 6-24-09                     | RTZ            |
| 500         | ROLLMARK CALIBER     | 6/26/09                     | RTZ            |
| 520         | GOFF BLAST BBL / REC | 6/26                        | RTZ            |
| 530 & 540   | APPLY COATINGS       | 7/2                         | RTZ            |
| 560         | FINAL ASSEMBLY       | 7-8-09                      | RTZ            |
| 640         | FUNCTION TEST AND    | (PASS) FAIL                 | RP             |
| 650         | TARGET               | (PASS) FAIL                 | RP             |
|             | MALFUNCTION          | CORRECTION                  |                |
|             | MALFUNCTION          | CORRECTION                  |                |
|             | MALFUNCTION          | CORRECTION                  |                |
|             | MALFUNCTION          | CORRECTION                  |                |
| 670         | FINAL INSPECTION     |                             |                |
|             | A) HEADSPACE         | (PASS) FAIL                 | RTZ            |
|             | B) TRIGGER PULL      | 265 268 275 271 274 7-13-09 | RTZ            |
| 680         | F) SAFETY ON FORCE   | 4.0 4.0 4.0 7-13-09         | RTZ            |
|             | G) SAFETY OFF FORCE  | 5.0 5.0 5.0 7-13-09         | RTZ            |
|             | I) FIRING PIN INDENT | .024 .024 .024 7-13-09      | RTZ            |
| 690         | PACK                 | 7/15/09                     | Fm             |

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225481.\_\_\_0  
FILE DATE AND TIME: 07/09/2009 10:32

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

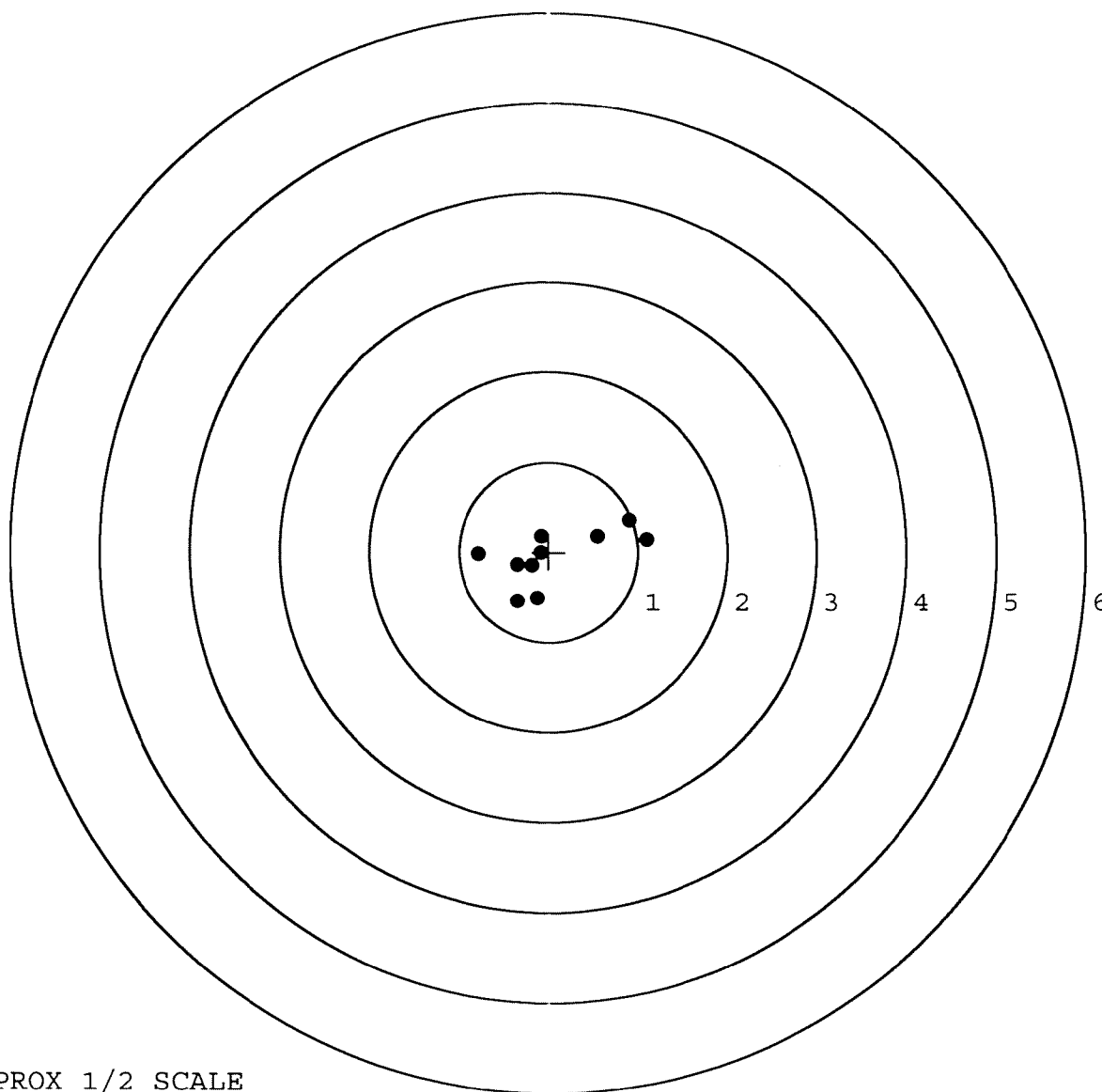
|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.016 |
| The Average Y Centroid of the Five Target Set:              | -0.025 |
| The Average Point of Impact of the Five Target Set:         | 0.029  |
| The Average Mean Radius of the Five Target Set:             | 0.616  |
| The Distance from POA to Centroid Target #1:                | 0.079  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.271  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.350  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.033  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.054  |

SERIAL NUMBER: C6225481. \_\_0  
TARGET NUMBER: 1  
FILE DATE: 07/09/2009  
FILE TIME: 10:32

X CENTROID: 0.058  
Y CENTROID: -0.053  
POA TO CENTROID: 0.079  
HORZ SPREAD: 1.876  
VERT SPREAD: 0.912  
GROUP SPREAD: 1.883  
MIN RADIUS: 0.155  
MAX RADIUS: 1.055  
MEAN RADIUS: 0.564

# IN 1 IN DIAMETER: 5  
# IN 2 IN DIAMETER: 9  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.095  | 0.140  |
| 2:     | 0.906  | 0.359  |
| 3:     | 0.553  | 0.178  |
| 4:     | -0.084 | 0.178  |
| 5:     | -0.090 | -0.007 |
| 6:     | -0.347 | -0.144 |
| 7:     | -0.133 | -0.515 |
| 8:     | -0.349 | -0.553 |
| 9:     | -0.781 | -0.021 |
| 10:    | -0.193 | -0.149 |

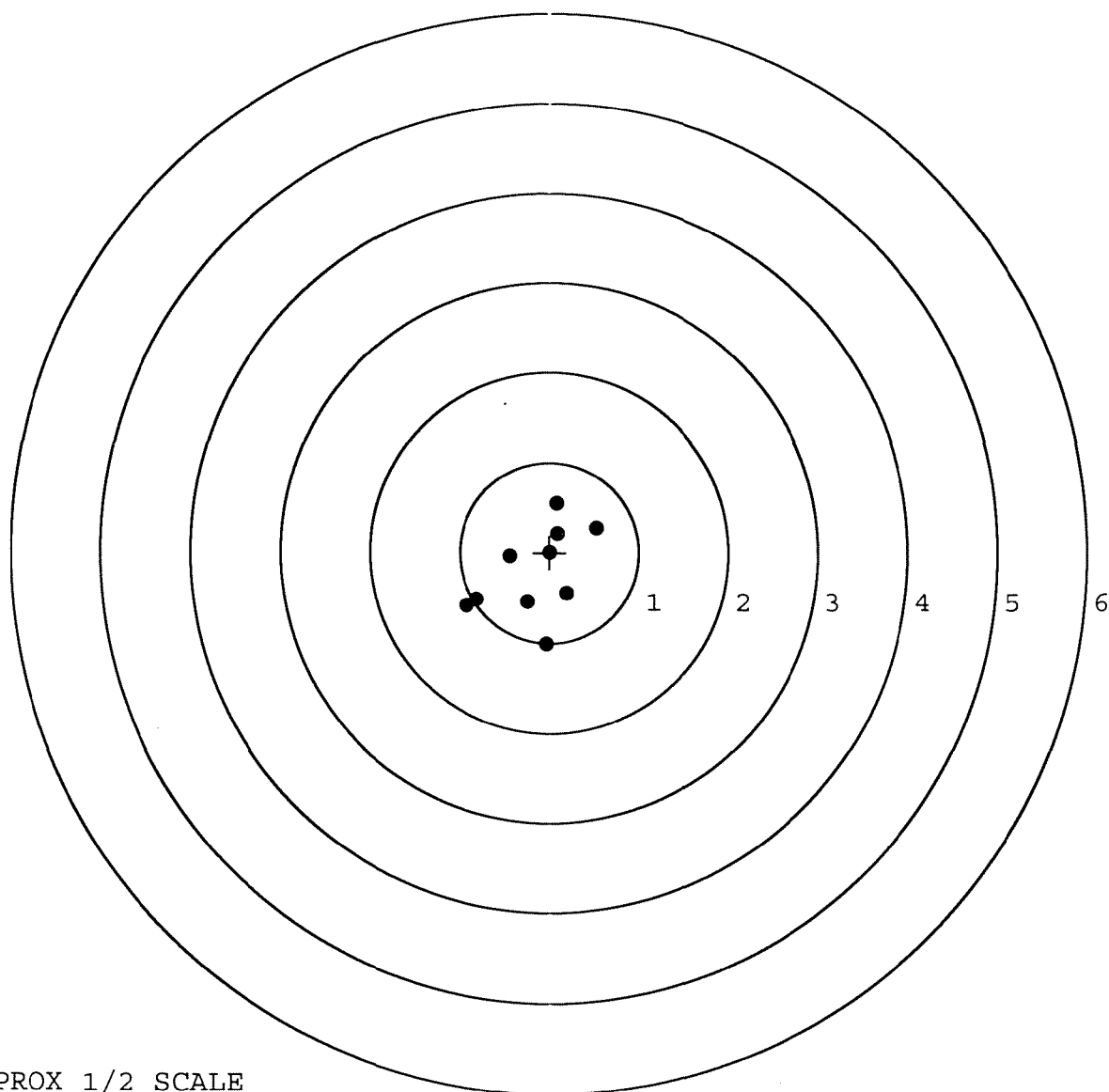


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225481. \_\_0  
TARGET NUMBER: 2  
FILE DATE: 07/09/2009  
FILE TIME: 10:32

X CENTROID: -0.159  
Y CENTROID: -0.217  
POA TO CENTROID: 0.269  
HORZ SPREAD: 1.463  
VERT SPREAD: 1.561  
GROUP SPREAD: 1.697  
MIN RADIUS: 0.260  
MAX RADIUS: 0.858  
MEAN RADIUS: 0.589  
# IN 1 IN DIAMETER: 5  
# IN 2 IN DIAMETER: 10  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.931 | -0.590 |
| 2:     | -0.817 | -0.525 |
| 3:     | -0.040 | -1.016 |
| 4:     | -0.247 | -0.549 |
| 5:     | 0.192  | -0.458 |
| 6:     | -0.441 | -0.045 |
| 7:     | -0.006 | -0.006 |
| 8:     | 0.088  | 0.207  |
| 9:     | 0.532  | 0.269  |
| 10:    | 0.082  | 0.545  |

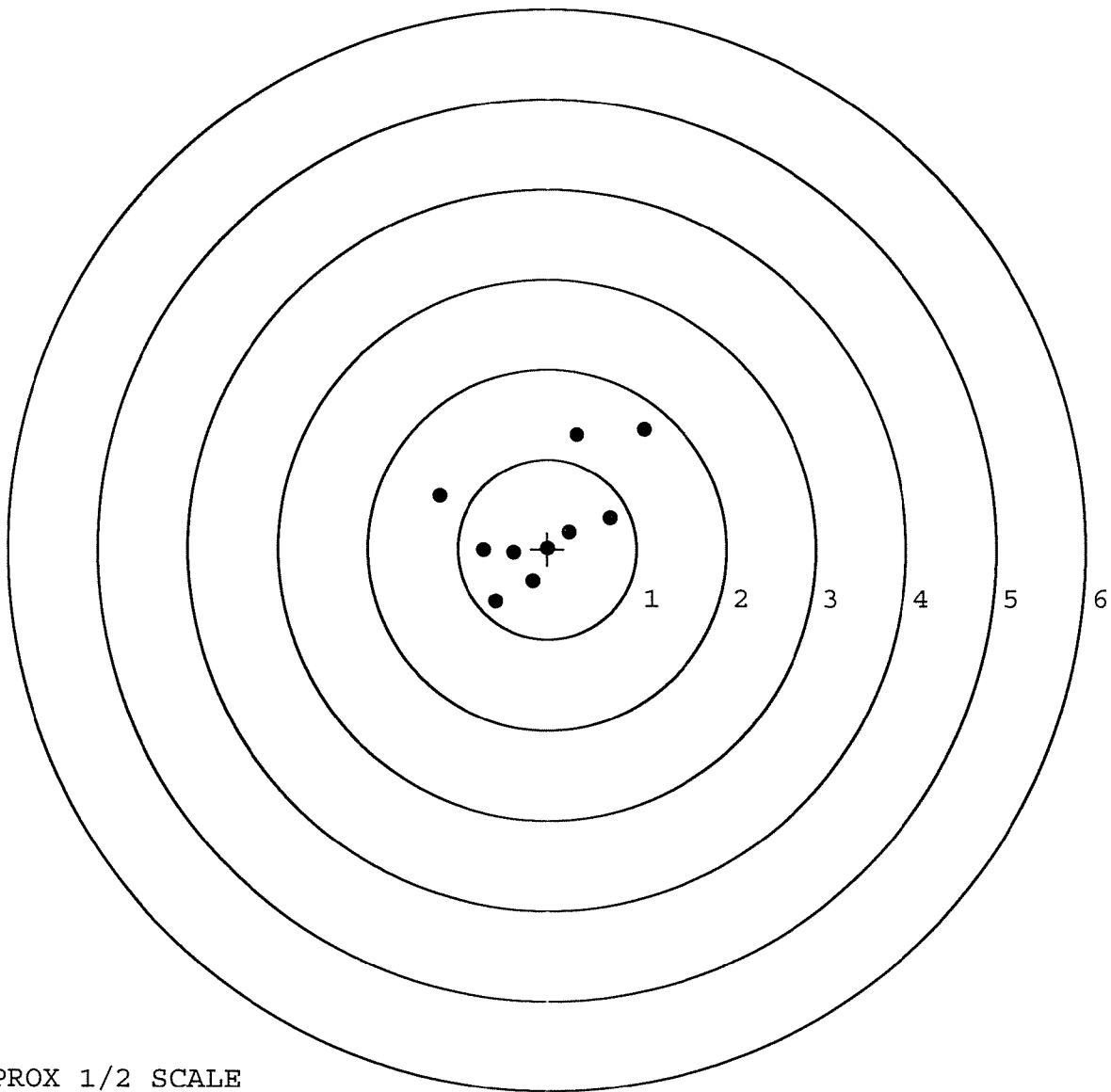


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225481. \_\_0  
TARGET NUMBER: 3  
FILE DATE: 07/09/2009  
FILE TIME: 10:32

X CENTROID: -0.067  
Y CENTROID: 0.273  
POA TO CENTROID: 0.281  
HORZ SPREAD: 2.283  
VERT SPREAD: 1.929  
GROUP SPREAD: 2.542  
MIN RADIUS: 0.274  
MAX RADIUS: 1.564  
MEAN RADIUS: 0.799  
# IN 1 IN DIAMETER: 3  
# IN 2 IN DIAMETER: 6  
# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -1.203 | 0.589  |
| 2:     | -0.711 | -0.018 |
| 3:     | -0.374 | -0.044 |
| 4:     | -0.575 | -0.592 |
| 5:     | -0.165 | -0.363 |
| 6:     | 0.002  | 0.008  |
| 7:     | 0.242  | 0.188  |
| 8:     | 0.705  | 0.351  |
| 9:     | 1.080  | 1.337  |
| 10:    | 0.329  | 1.275  |



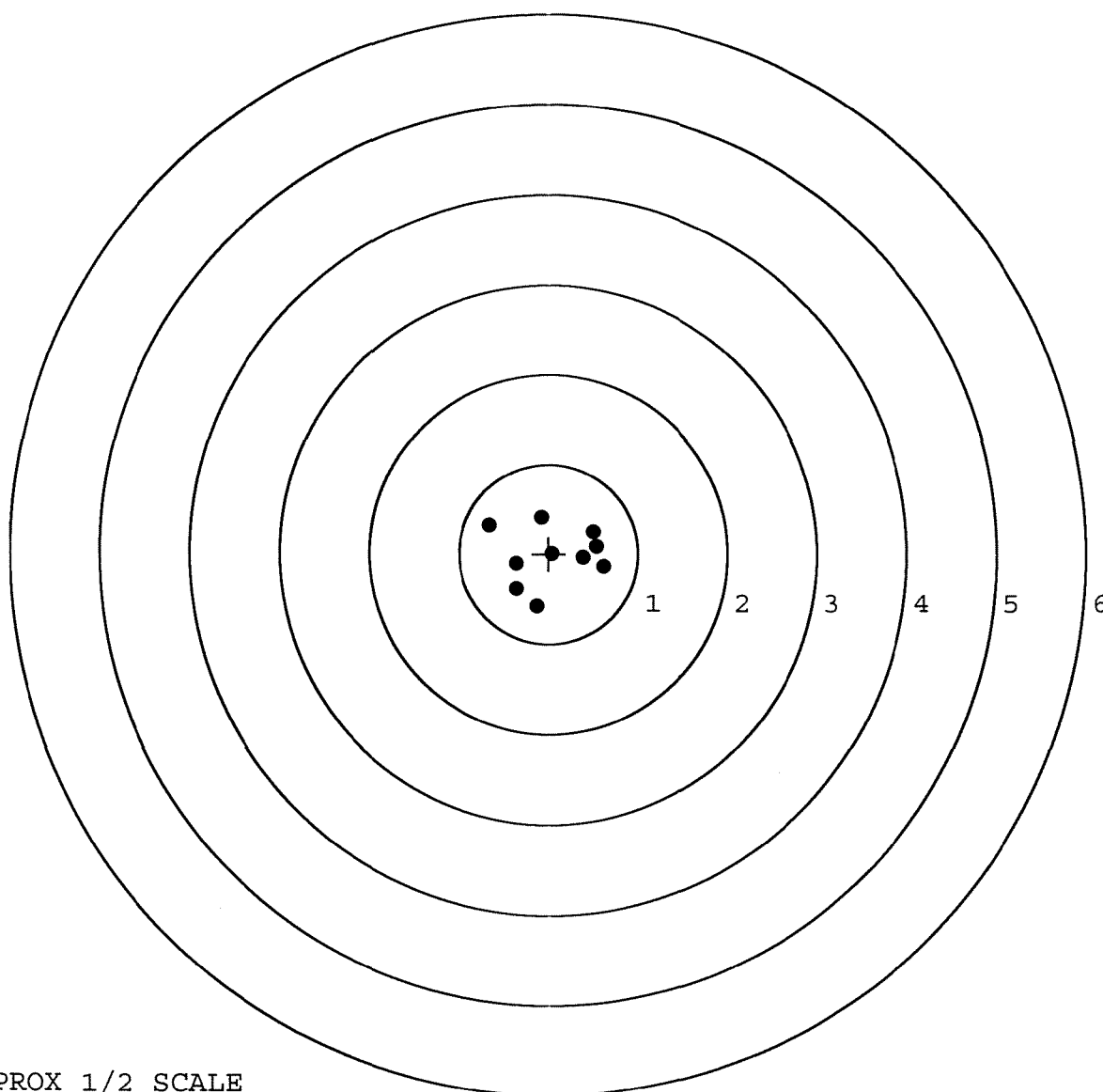
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225481. \_\_0  
TARGET NUMBER: 4  
FILE DATE: 07/09/2009  
FILE TIME: 10:32

X CENTROID: 0.046  
Y CENTROID: -0.022  
POA TO CENTROID: 0.051  
HORZ SPREAD: 1.276  
VERT SPREAD: 0.995  
GROUP SPREAD: 1.356  
MIN RADIUS: 0.029  
MAX RADIUS: 0.785  
MEAN RADIUS: 0.478

# IN 1 IN DIAMETER: 5  
# IN 2 IN DIAMETER: 10  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.662 | 0.317  |
| 2:     | -0.362 | -0.113 |
| 3:     | -0.366 | -0.392 |
| 4:     | -0.138 | -0.590 |
| 5:     | -0.084 | 0.405  |
| 6:     | 0.034  | 0.004  |
| 7:     | 0.614  | -0.141 |
| 8:     | 0.503  | 0.243  |
| 9:     | 0.534  | 0.085  |
| 10:    | 0.390  | -0.041 |



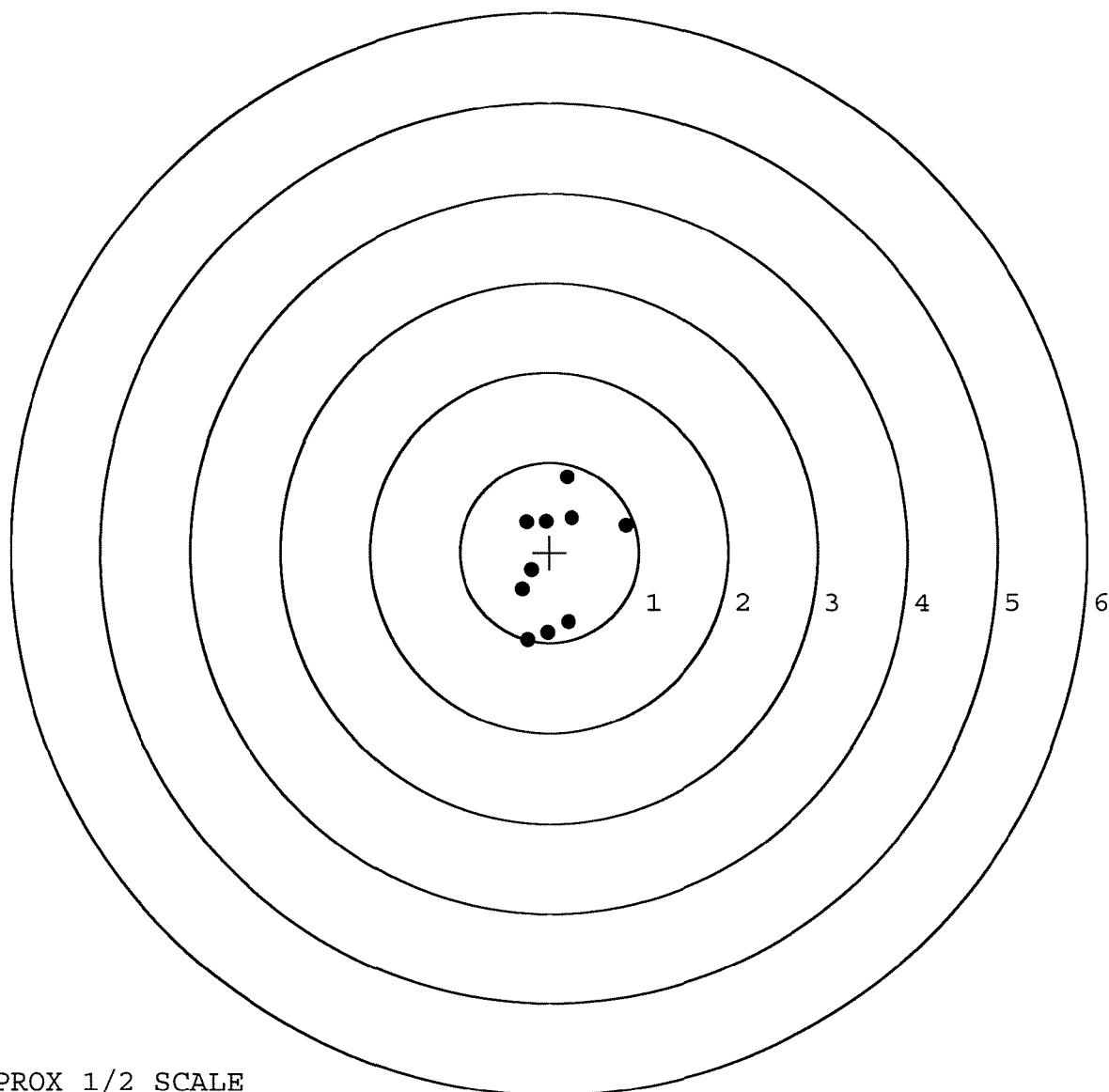
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225481. \_\_0  
TARGET NUMBER: 5  
FILE DATE: 07/09/2009  
FILE TIME: 10:32

X CENTROID: 0.044  
Y CENTROID: -0.106  
POA TO CENTROID: 0.114  
HORZ SPREAD: 1.159  
VERT SPREAD: 1.814  
GROUP SPREAD: 1.867  
MIN RADIUS: 0.266  
MAX RADIUS: 0.952  
MEAN RADIUS: 0.652

# IN 1 IN DIAMETER: 3  
# IN 2 IN DIAMETER: 10  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.194  | 0.835  |
| 2:     | 0.858  | 0.306  |
| 3:     | 0.252  | 0.384  |
| 4:     | -0.046 | 0.343  |
| 5:     | -0.259 | 0.337  |
| 6:     | -0.205 | -0.199 |
| 7:     | -0.301 | -0.413 |
| 8:     | 0.215  | -0.774 |
| 9:     | -0.021 | -0.895 |
| 10:    | -0.246 | -0.979 |



TARGET APPROX 1/2 SCALE

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: **RE00092473** Serial: C6225481 Model: M24 SWS Center Fire  
 Caliber: 7.62 NATO Produced: 03/21/1989

Repairman: Status: Closed 2/4/2005 9:38:13 AM

Verify Repair

**Address Information**

Customer: ☒ Received From Return To: ☐ Received From

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL Zip Code: 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   |
| A010 | Hard Case             | 1   |
| A017 | Scope Base            | 1   |
| A026 | Scope                 | 1   |
| A057 | Frt and Rear Sgt Base | 1   |

Repair Search Refresh Close

logletj 2/7/2005 11:28 AM CAPS NUM IINS SCRL

start 3 3 M

Serial Number: **C6225481**

Model: **M24 SWS**



**RE00092473**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225481.\_\_\_0  
FILE DATE AND TIME: 05/05/2005 06:33

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

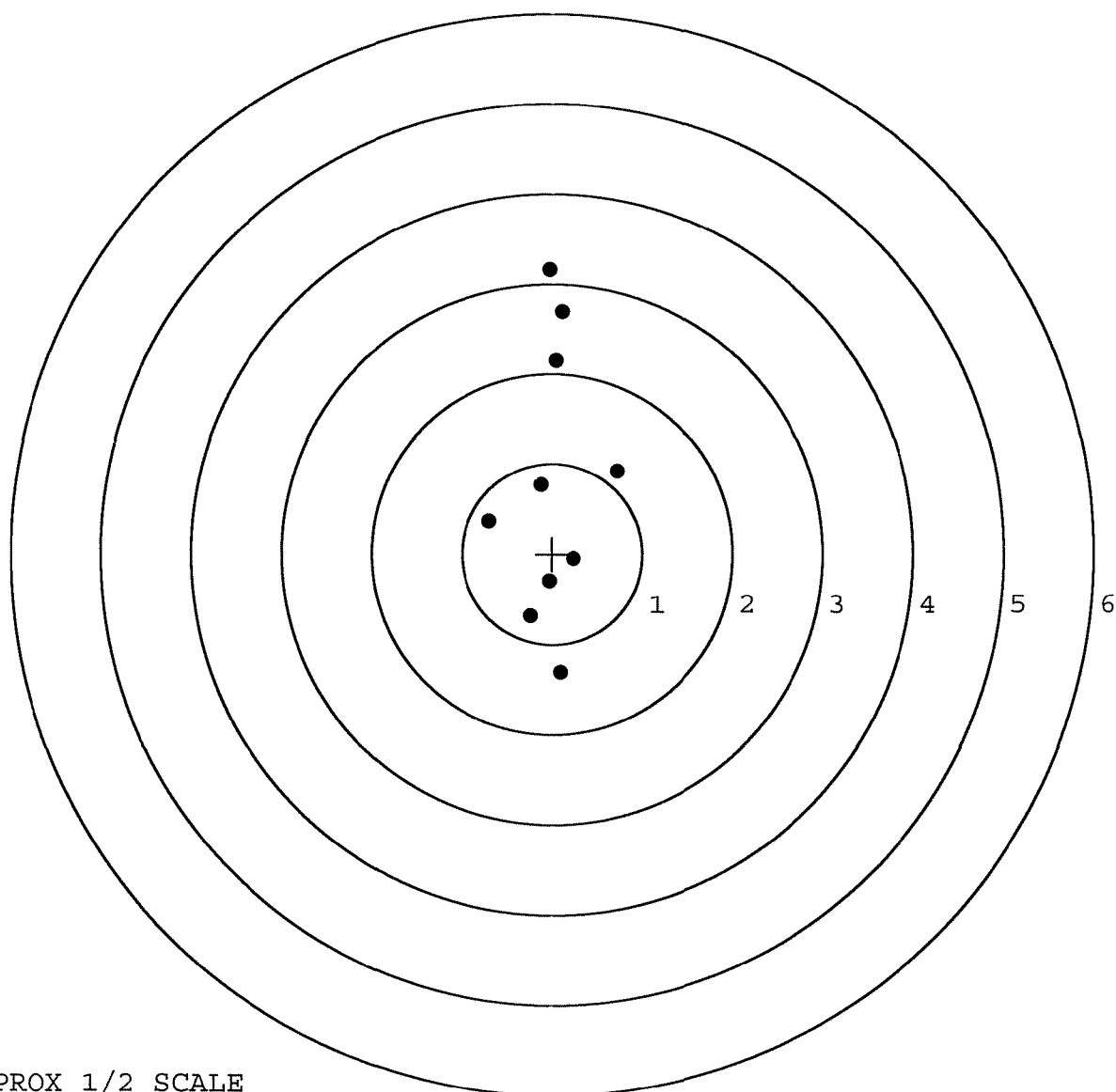
|                                                             |       |
|-------------------------------------------------------------|-------|
| The Average X Centroid of the Five Target Set:              | 0.011 |
| The Average Y Centroid of the Five Target Set:              | 0.141 |
| The Average Point of Impact of the Five Target Set:         | 0.141 |
| The Average Mean Radius of the Five Target Set:             | 1.010 |
| The Distance from POA to Centroid Target #1:                | 0.767 |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.710 |
| The Distance from Centroid Target #3 to Centroid Target #1: | 1.036 |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.708 |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.681 |

SERIAL NUMBER: C6225481.\_\_\_0  
 TARGET NUMBER: 1  
 FILE DATE: 05/05/2005  
 FILE TIME: 06:33

X CENTROID: 0.005  
 Y CENTROID: 0.767  
 POA TO CENTROID: 0.767  
 HORZ SPREAD: 1.424  
 VERT SPREAD: 4.476  
 GROUP SPREAD: 4.478  
 MIN RADIUS: 0.136  
 MAX RADIUS: 2.393  
 MEAN RADIUS: 1.287

# IN 1 IN DIAMETER: 1  
 # IN 2 IN DIAMETER: 4  
 # in 3 IN DIAMETER: 7

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.097  | -1.317 |
| 2:     | -0.245 | -0.689 |
| 3:     | 0.237  | -0.055 |
| 4:     | -0.035 | -0.303 |
| 5:     | -0.701 | 0.356  |
| 6:     | -0.131 | 0.766  |
| 7:     | 0.723  | 0.918  |
| 8:     | 0.041  | 2.142  |
| 9:     | 0.107  | 2.690  |
| 10:    | -0.039 | 3.159  |

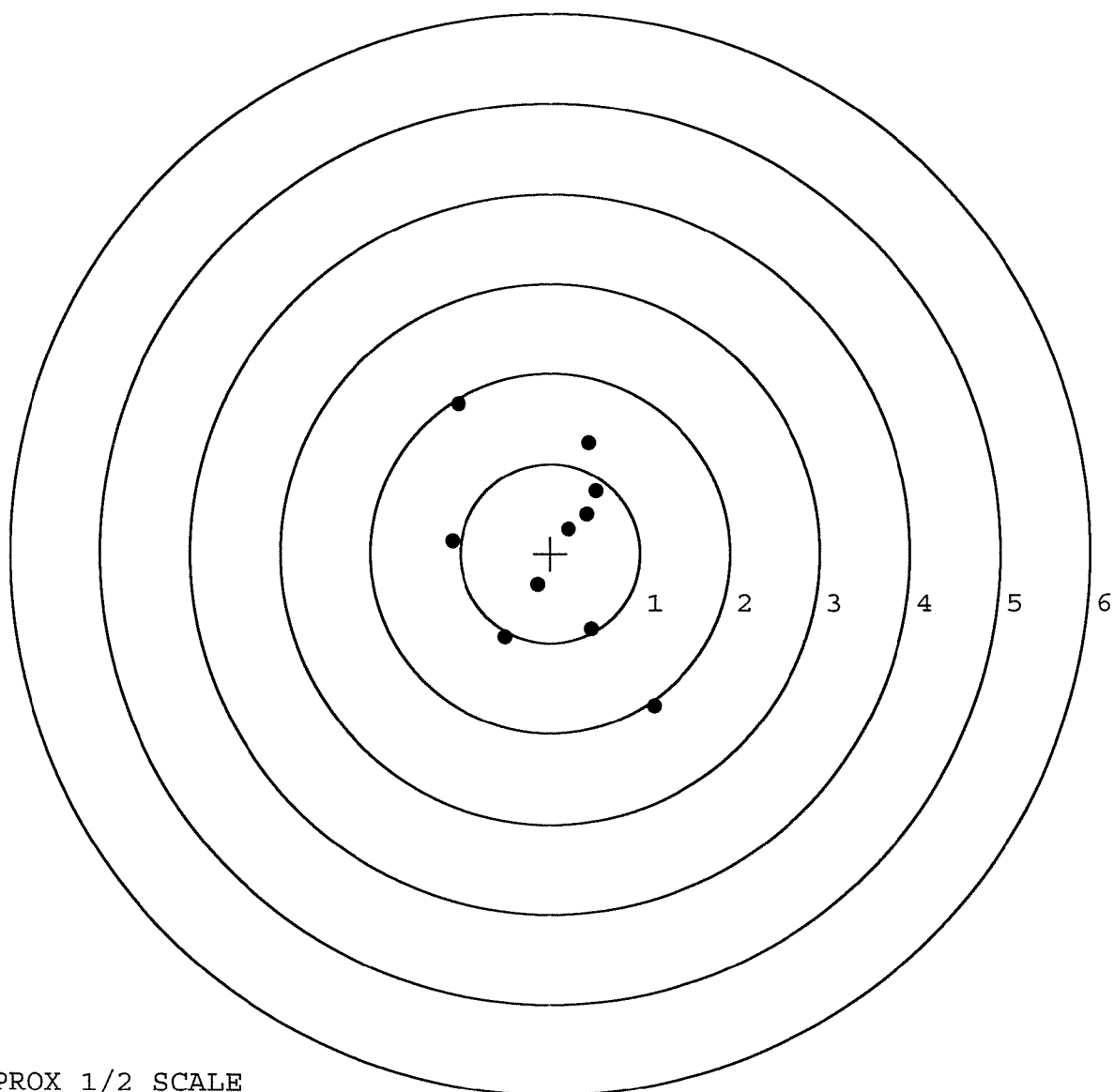


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225481. \_\_0  
 TARGET NUMBER: 2  
 FILE DATE: 05/05/2005  
 FILE TIME: 06:33

X CENTROID: 0.042  
 Y CENTROID: 0.057  
 POA TO CENTROID: 0.071  
 HORZ SPREAD: 2.251  
 VERT SPREAD: 3.358  
 GROUP SPREAD: 4.007  
 MIN RADIUS: 0.267  
 MAX RADIUS: 2.087  
 MEAN RADIUS: 1.055  
 # IN 1 IN DIAMETER: 2  
 # IN 2 IN DIAMETER: 5  
 # in 3 IN DIAMETER: 8

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.163  | -1.703 |
| 2:     | 0.462  | -0.850 |
| 3:     | -0.504 | -0.941 |
| 4:     | -0.142 | -0.353 |
| 5:     | -1.088 | 0.134  |
| 6:     | 0.431  | 1.228  |
| 7:     | -1.023 | 1.655  |
| 8:     | 0.510  | 0.694  |
| 9:     | 0.412  | 0.440  |
| 10:    | 0.204  | 0.270  |



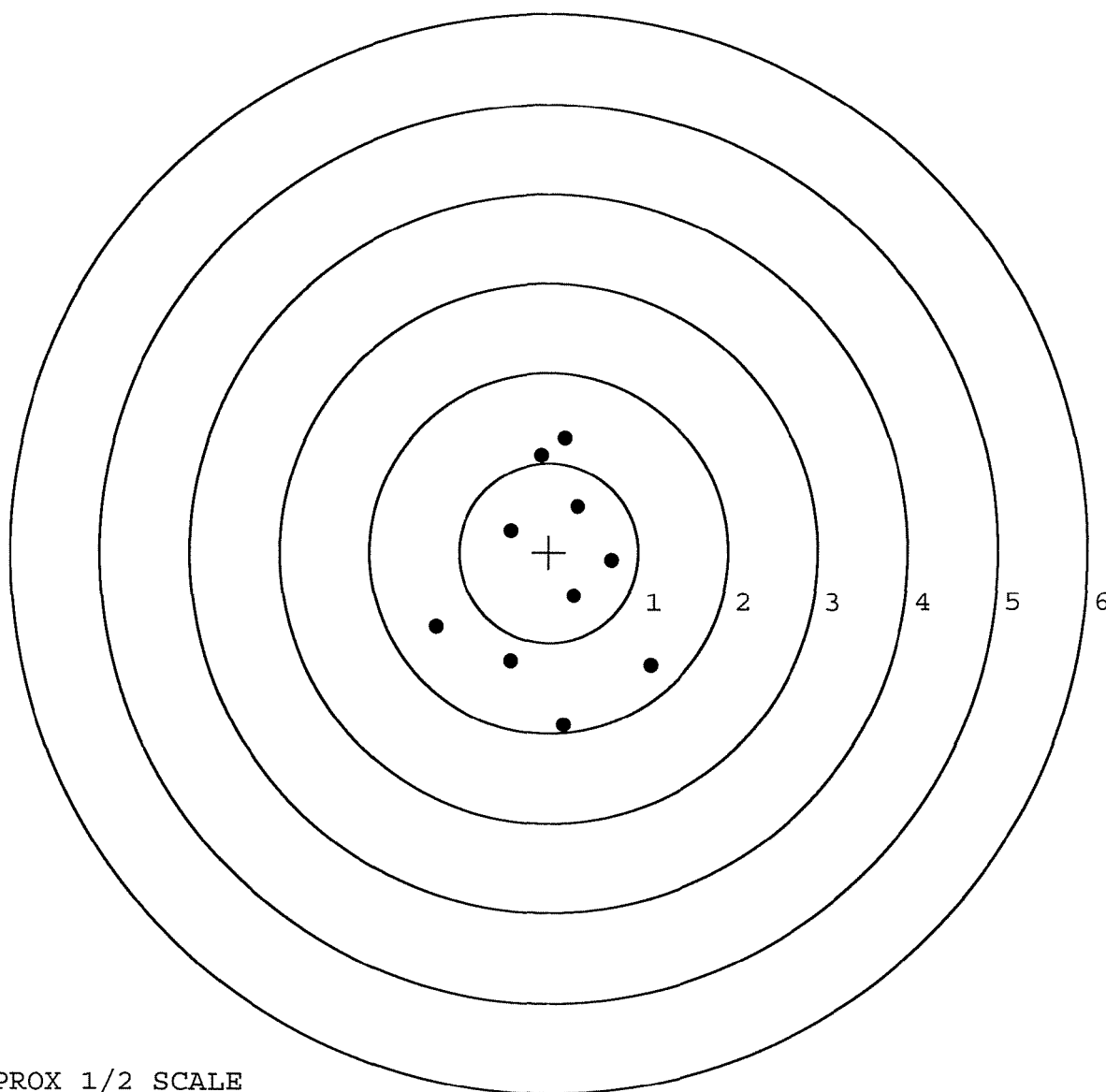
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225481. \_\_0  
TARGET NUMBER: 3  
FILE DATE: 05/05/2005  
FILE TIME: 06:33

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.275  | -0.493 |
| 2:     | 0.702  | -0.098 |
| 3:     | 1.140  | -1.251 |
| 4:     | 0.162  | -1.916 |
| 5:     | -0.430 | -1.201 |
| 6:     | -1.266 | -0.830 |
| 7:     | 0.324  | 0.511  |
| 8:     | -0.421 | 0.244  |
| 9:     | -0.088 | 1.084  |
| 10:    | 0.182  | 1.274  |

X CENTROID: 0.058  
Y CENTROID: -0.268  
POA TO CENTROID: 0.274  
HORZ SPREAD: 2.406  
VERT SPREAD: 3.190  
GROUP SPREAD: 3.190  
MIN RADIUS: 0.313  
MAX RADIUS: 1.652  
MEAN RADIUS: 1.101

# IN 1 IN DIAMETER: 1  
# IN 2 IN DIAMETER: 4  
# in 3 IN DIAMETER: 8



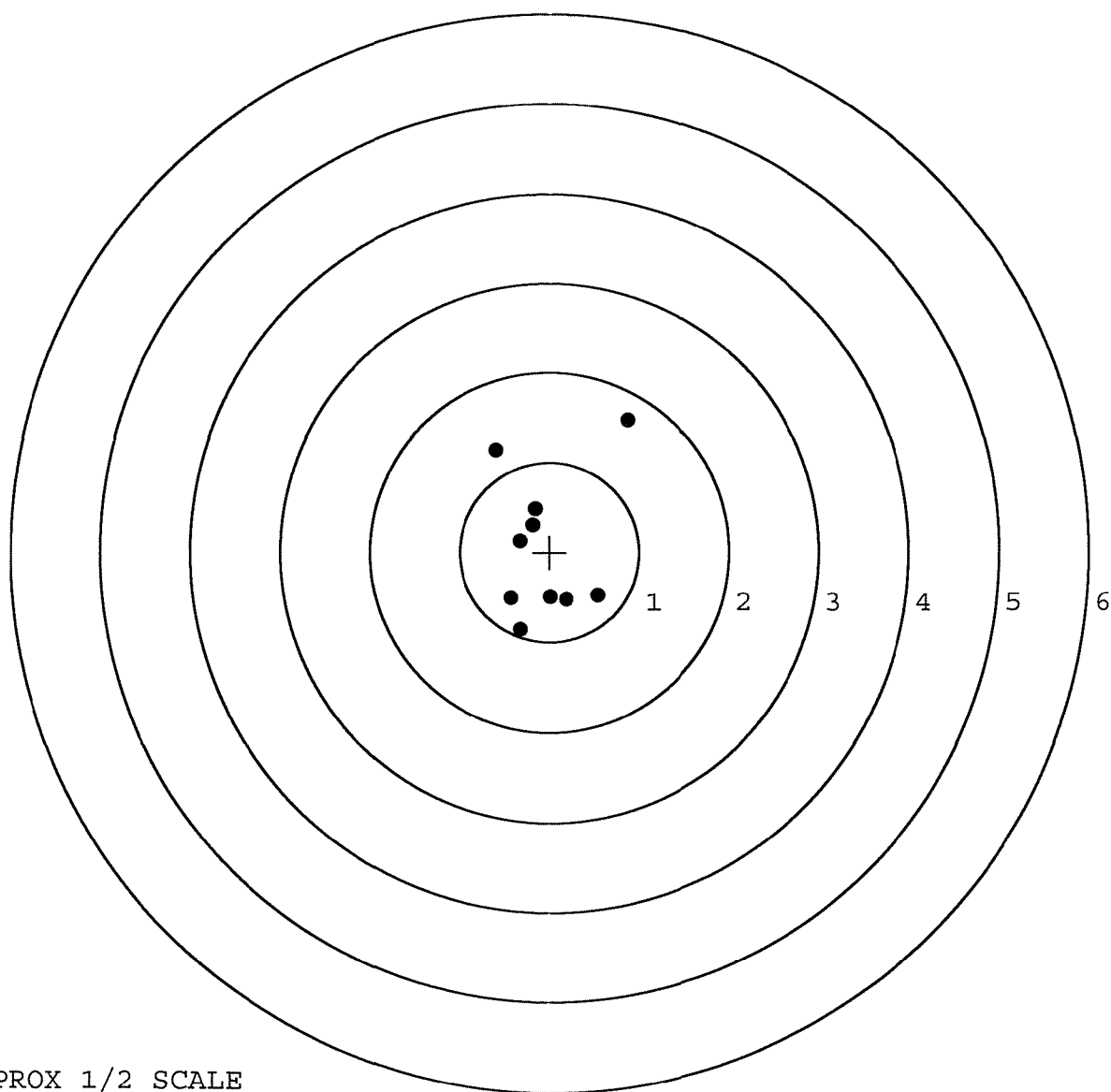
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225481. \_\_0  
TARGET NUMBER: 4  
FILE DATE: 05/05/2005  
FILE TIME: 06:33

X CENTROID: -0.042  
Y CENTROID: 0.060  
POA TO CENTROID: 0.074  
HORZ SPREAD: 1.486  
VERT SPREAD: 2.342  
GROUP SPREAD: 2.634  
MIN RADIUS: 0.285  
MAX RADIUS: 1.685  
MEAN RADIUS: 0.758

# IN 1 IN DIAMETER: 3  
# IN 2 IN DIAMETER: 8  
# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.544  | -0.486 |
| 2:     | 0.187  | -0.533 |
| 3:     | 0.012  | -0.501 |
| 4:     | -0.433 | -0.515 |
| 5:     | -0.325 | -0.871 |
| 6:     | -0.331 | 0.121  |
| 7:     | -0.187 | 0.306  |
| 8:     | -0.162 | 0.483  |
| 9:     | -0.606 | 1.129  |
| 10:    | 0.880  | 1.471  |

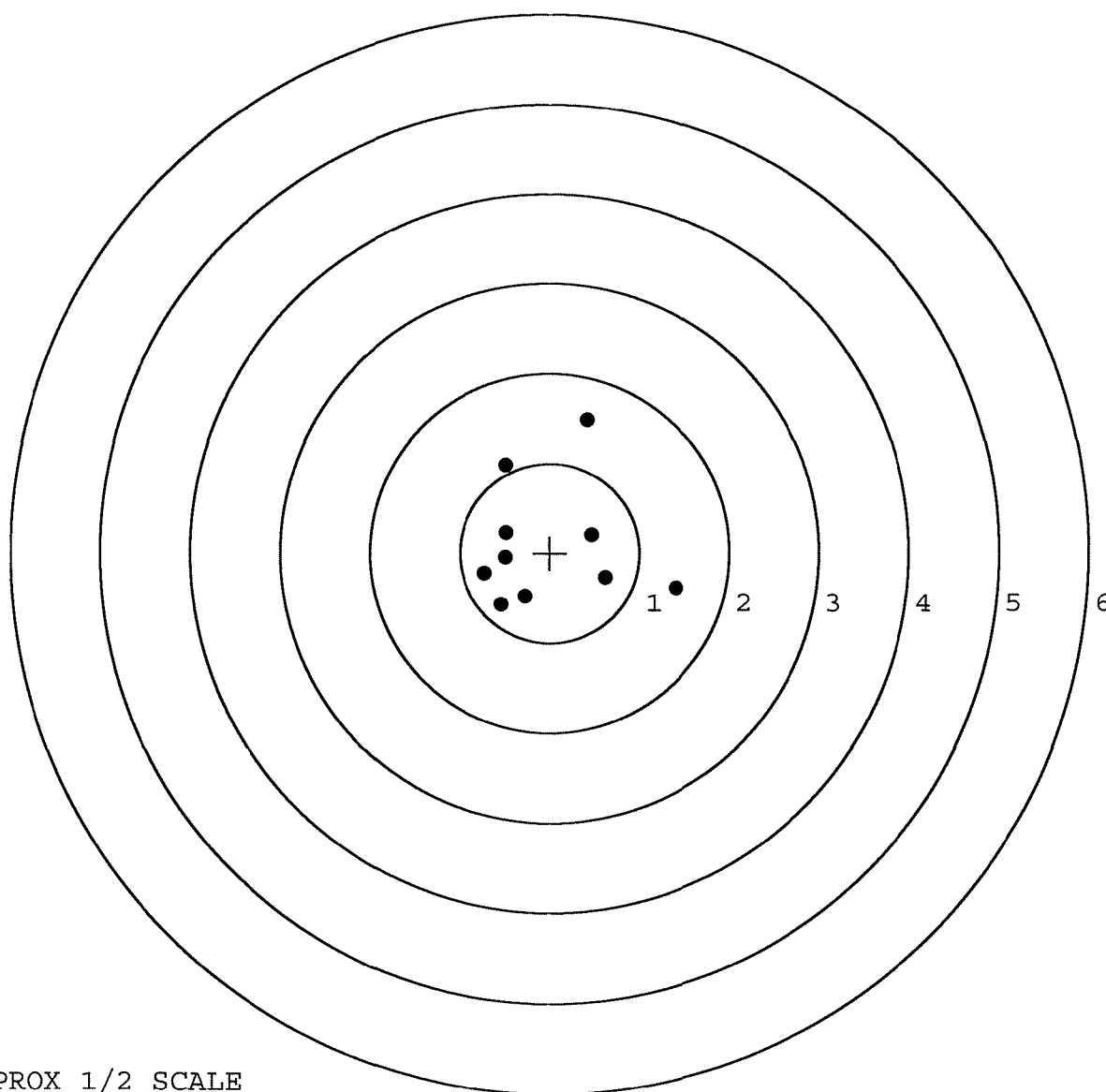


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225481. \_\_0  
 TARGET NUMBER: 5  
 FILE DATE: 05/05/2005  
 FILE TIME: 06:33

X CENTROID: -0.009  
 Y CENTROID: 0.086  
 POA TO CENTROID: 0.086  
 HORZ SPREAD: 2.138  
 VERT SPREAD: 2.063  
 GROUP SPREAD: 2.346  
 MIN RADIUS: 0.495  
 MAX RADIUS: 1.497  
 MEAN RADIUS: 0.848  
 # IN 1 IN DIAMETER: 2  
 # IN 2 IN DIAMETER: 7  
 # in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.410  | -0.391 |
| 2:     | 0.623  | -0.278 |
| 3:     | 0.471  | 0.204  |
| 4:     | 0.425  | 1.482  |
| 5:     | -0.494 | 0.980  |
| 6:     | -0.487 | 0.222  |
| 7:     | -0.728 | -0.234 |
| 8:     | -0.543 | -0.581 |
| 9:     | -0.275 | -0.491 |
| 10:    | -0.496 | -0.057 |



TARGET APPROX 1/2 SCALE

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

|                     |                    |           |         |
|---------------------|--------------------|-----------|---------|
| R & E NUMBER        | 92423              |           |         |
| SERIAL NUMBER       | C6225481           |           |         |
| LOG-IN DATE         | 2-4-05             |           |         |
| INSPECT AND VERIFY: |                    |           |         |
| OPERATION #         | OPERATION NAME     | DATE      | INITIAL |
| 550                 | DIS-ASSEMBLE GUN   | 4-4-05    | RTZ     |
| 560 A               | RE-BARREL          | 4-7-05    | RTZ     |
| B                   | DRILL AND TAP      | 4-11-05   | TRW     |
| 575                 | ASSEMBLE           | 4-7-05    | RTZ     |
| 600                 | PROOF              | 4-8-05    | AC      |
| 605                 | CHECK HEADSPACE    | 4-8-05    | AC      |
| 610                 | DIS-ASSEMBLE GUN   | 4-11-05   | RTZ     |
| 612                 | MAGNAFLUX          | OPERATOR  | BS      |
| 615                 | ROLLMARK CALIBER   | 4-12-05   | CW      |
| 618                 | ROTO-BLAST         | 4-18-05   | LB      |
| 620                 | APPLY COATINGS     | 4-25-05   | WJ      |
| 625 A               | FINAL ASSEMBLY     | 5-4-05    | RTZ     |
| B                   | TRIGGER PULL TEST  |           |         |
| C                   | SAFETY "ON" FORCE  | 5-6-05    | AC      |
| D                   | SAFETY "OFF" FORCE | 5-6-05    | AC      |
| E                   | FIRING PIN INDENT  | 5-6-05    | AC      |
| 640                 | TARGET             | 5-5-05    | TRW     |
| 655                 | FINAL INSPECT      | 5-6-05    | AC      |
| 660                 | PACK               | 5-7-05    | JA      |
|                     |                    | SHIP DATE |         |
| QAR INSPECTION DATE |                    |           |         |

# Remington®



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

MODEL 700™ H24

SERIAL NO.  
C6225481

ORDER NO.  
5716

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



5716 C6225481

UPC



0 47700 25716 7

SCOPE 0482

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225481

| OP.#         | OP. NAME                                                       | READINGS | DATE     | INITIAL |
|--------------|----------------------------------------------------------------|----------|----------|---------|
| 575 &<br>580 | Assemble Action<br>and stock                                   | 8        | 9/88     | FB      |
| 600          | Proof                                                          | 9        | 7/88     | RW      |
| 607          | Check Headspace                                                | 9        | 7/88     | RW      |
| 610          | Dis-assemble gun                                               | 8        | 7/88     | RW      |
| 612          | Magnaflux Barrel<br>Action                                     |          | 9-14-88  | Pfc.    |
|              | Magnaflux Bolt                                                 |          | 9-14-88  | Pfl.    |
| 615          | Rollmark Caliber                                               |          | 9/21/88  | GS      |
| 617          | Drill & Tap Sight Holes                                        |          | 10/1/88  | FB      |
| 618          | Polish Barrel                                                  |          | 10/1/88  | BT      |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 10-31-88 | TJA     |
|              | Apply Coatings (Bolt)                                          |          | 10-31-88 | TJA     |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 1/11/89  | RW      |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 1/11/89  | RW      |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 1/11/89  | RW      |

OVER

| OP.#  | READINGS                                                    | DATE                     | INITIAL |
|-------|-------------------------------------------------------------|--------------------------|---------|
| 625   | D) Oil Firing Pin Ass'y                                     | 1/11/89                  | RW      |
| cont. | E) Adjust Trigger Pull to Min. Setting and Stake            | 10 Jan 89                | JS      |
|       | F) Safety on Force                                          | 11 Jan 89                | JS      |
|       | G) Safety off Force                                         | 11 Jan 89                | JS      |
|       | H) Trigger Pull Test & Retainability                        | 10 Jan 89                | JS      |
|       | I) Firing Pin Indent                                        | 11 Jan 89                | JS      |
|       | J) Assemble Stock                                           | 1/11/89                  | RW      |
|       | K) Attach Front & Rear Sight Assemblies                     | 1/11/89                  | RW      |
|       | L) Iron Sight Alignment                                     | 1/11/89                  | RW      |
|       | M) Detach Front & Rear Sights & place in numbered container | 1/11/89                  | RW      |
|       | N) Attach Scope to Rifle                                    | 16 Jan 89                | JS      |
|       | O) Detach & Attach Scope 20 times                           | 16 Jan 89                | JS      |
| 640   | Gallery Target & Test                                       | 1-19-89                  | AC      |
|       | A) Optical Clarity of Scope                                 | OK 1-19-89               | AC      |
| 645   | Inspect for Live Ammo                                       | NONE 1-19-89             | AC      |
| 655   | Final Inspection                                            |                          |         |
|       | A) Headspace                                                | 27 Jan 89                | JS      |
|       | B) Trigger Pull                                             | 2.54 2.53 2.59 2.42 2.43 | JS      |
|       | C) Function                                                 | 27 Jan 89                | JS      |
|       | D) Assemble Swivel Studs                                    | 27 Jan 89                | JS      |
| 660   | Pack                                                        | 22 Mar 89                | JS      |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 5481

DATE 30 Oct 89

TESTER 918

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 252              | 232                      | 229                            | 245  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 222              | 254                      | 245                            | 249  |                                                                        |
| PULL #3 | 253              | 256                      | 226                            | 266  |                                                                        |
| PULL #4 | 269              | 263                      | 232                            | 260  |                                                                        |
| PULL #5 | 239              | 244                      | 216                            | 269  |                                                                        |
| TOTAL   | 1235             | 1250                     | 1043                           | 1289 |                                                                        |
| AVG.    | 247              | 250                      | 2086                           | 2578 |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 305              | 306                      |  |          |
| PULL #2 | 312              | 309                      |  |          |
| PULL #3 | 337              | 309                      |  |          |
| PULL #4 | 335              | 317                      |  |          |
| PULL #5 | 327              | 317                      |  |          |
| TOTAL   | 1616             | 1558                     |  |          |
| AVG.    | 3232             | 3116                     |  |          |

|         | 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 | 404              | 397                      |                                | 410                                  |
| PULL #2 | 403              | 401                      |                                | 412                                  |
| PULL #3 | 405              | 404                      |                                | 410                                  |
| PULL #4 | 401              | 401                      |                                | 409                                  |
| PULL #5 | 393              | 407                      |                                | 436                                  |
| TOTAL   | 2006             | 2010                     |                                | 2077                                 |
| AVG.    | 4012             | 402                      |                                | 4154                                 |

Jan 20, 1989

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6225481

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .264153 |
| 1 TO | 2 | .255163 |
| 1 TO | 3 | .404022 |
| 1 TO | 4 | .223289 |
| 1 TO | 5 | .207039 |

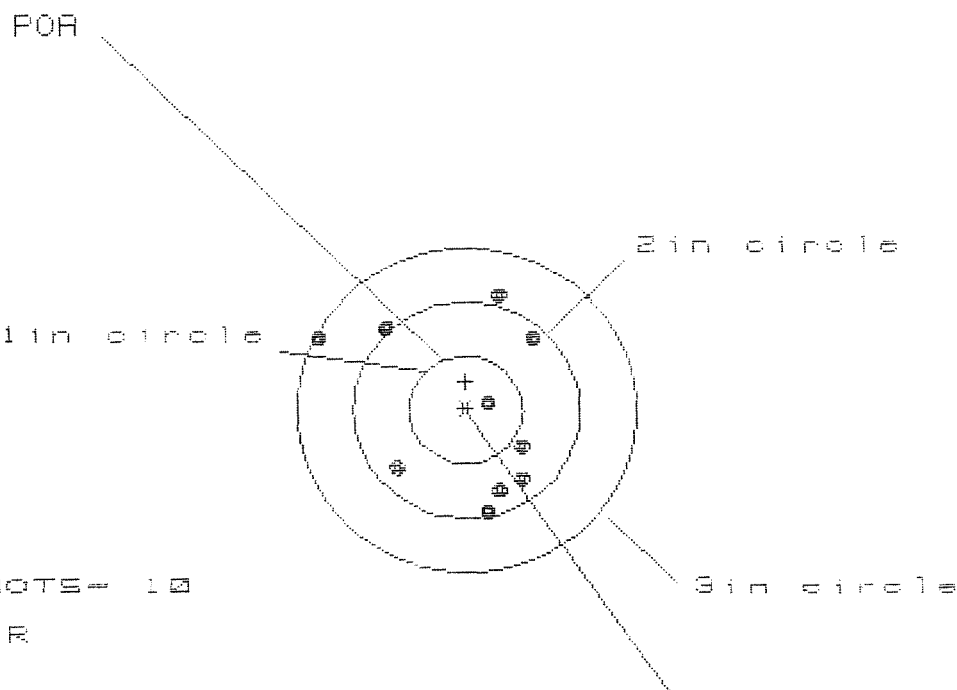
第 (----) FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1268  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1332  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .183903  
THE AMR FOR THIS RIFLE IS: .908

28 Jan 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/062254B1

# CENTERFIRE PATTERNS # 1



# OF SHOTS= 10

# IN CIR

1in = 1

2in = 7

3in = 10

HS= 1.957

VS= 1.954

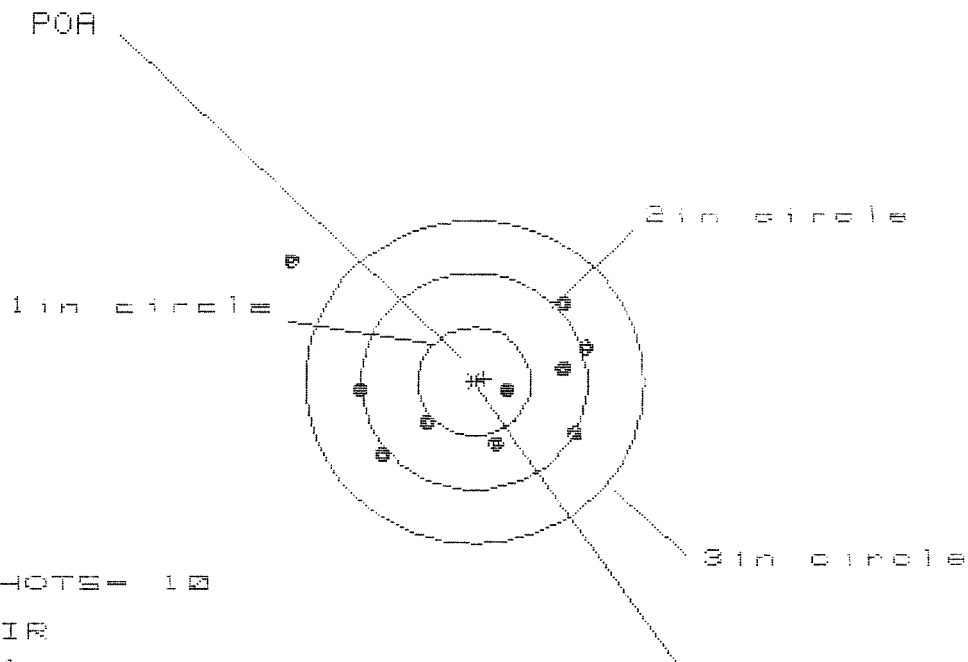
GS= 2.221

| PATTERN #                     | 1      | 2     | 3     |
|-------------------------------|--------|-------|-------|
| SHOTS (BEST OF)               | 10     | 9     | 8     |
| MAXIMUM X                     | .633   | .486  | .508  |
| MINIMUM X                     | -1.324 | -.817 | -.796 |
| MAXIMUM Y                     | 1.026  | 1.098 | 1.022 |
| MINIMUM Y                     | -.928  | -.856 | -.719 |
| CENTROID X                    | .009   | .156  | .135  |
| CENTROID Y                    | -.264  | -.336 | -.473 |
| POA TO CENTROID in.           | .264   | .378  | .492  |
| MIN RADIUS                    | .163   | .141  | .279  |
| MEAN RADIUS                   | .861   | .758  | .697  |
| MAX RADIUS                    | 1.476  | 1.204 | 1.295 |
| HORIZONTAL SPREAD             | 1.957  | 1.303 | 1.303 |
| VERTICAL SPREAD               | 1.954  | 1.954 | 1.741 |
| EXTREME SPREAD                | 2.221  | 1.957 | 1.952 |
| NUMBER IN ONE INCH CIRCLE =   | 1      |       |       |
| NUMBER IN TWO INCH CIRCLE =   | 7      |       |       |
| NUMBER IN THREE INCH CIRCLE = | 10     |       |       |

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# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.588

VS= 1.776

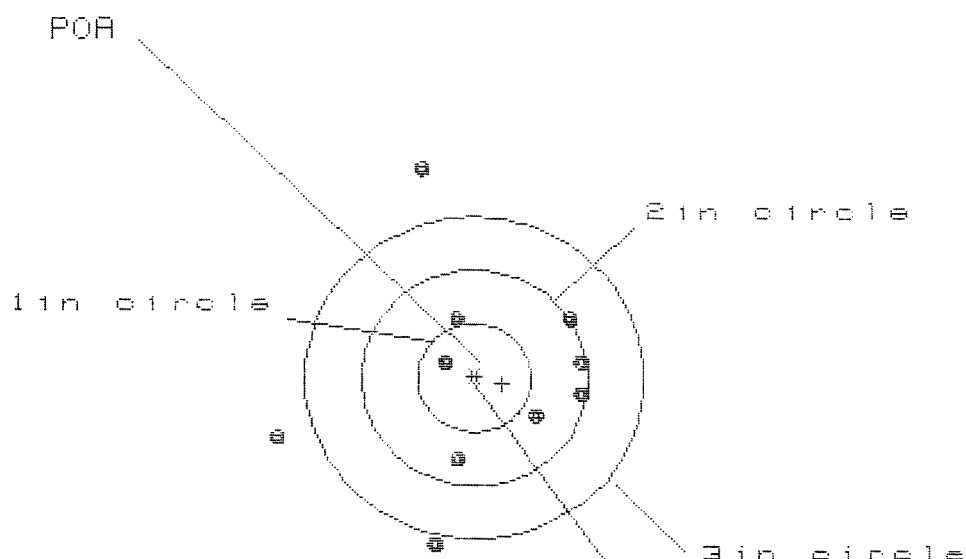
GS= 2.961

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 2      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .941   | .758   | .637   |
| MINIMUM X                   | : | -1.647 | -1.150 | -1.271 |
| MAXIMUM Y                   | : | 1.105  | .809   | .741   |
| MINIMUM Y                   | : | -.671  | -.548  | -.542  |
| CENTROID X                  | : | -.083  | .100   | .221   |
| CENTROID Y                  | : | -.026  | -.149  | -.081  |
| POA TO CENTROID in.         | : | .087   | .179   | .236   |
| MIN RADIUS                  | : | .283   | .081   | .067   |
| MEAN RADIUS                 | : | .924   | .750   | .686   |
| MAX RADIUS                  | : | 1.983  | 1.150  | 1.273  |
| HORIZONTAL SPREAD           | : | 2.588  | 1.908  | 1.908  |
| VERTICAL SPREAD             | : | 1.776  | 1.357  | 1.283  |
| EXTREME SPREAD              | : | 2.961  | 2.062  | 1.960  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

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# CENTERFIRE PATTERNS # 3



# OF SHOTS= 10

# IN CIR

1 in = 1

2 in = 7

3 in = 7

HS= 2.720

VS= 3.569

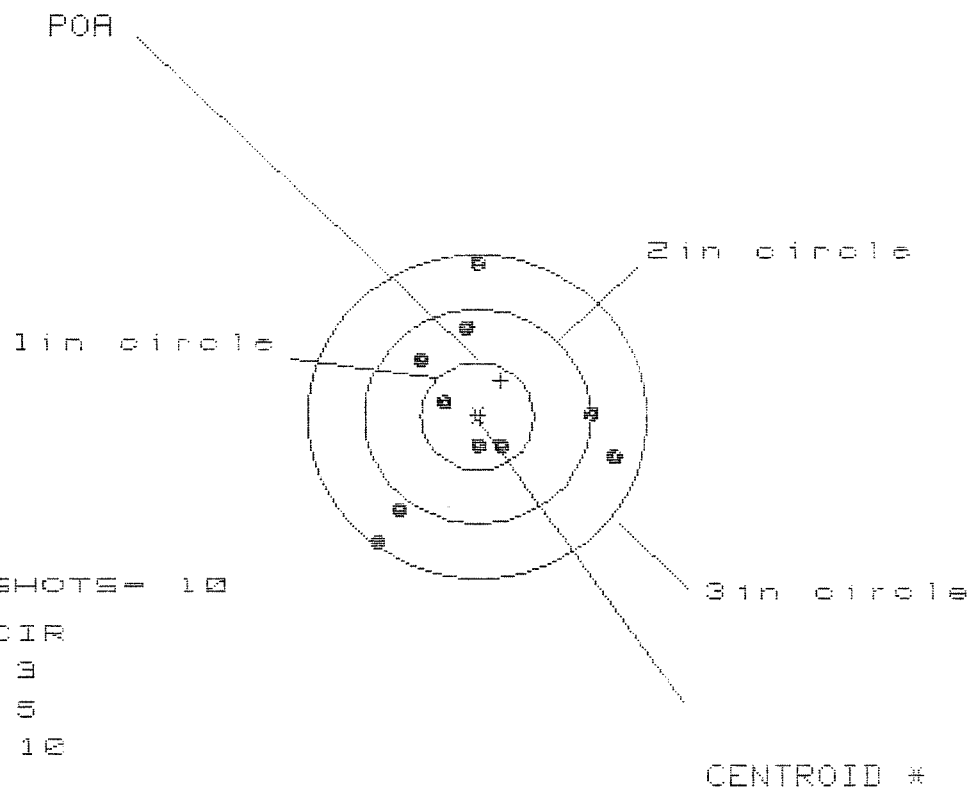
GS= 3.572

| PATTERN #                   | : | 3      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .966   | .915   | .690   |
| MINIMUM X                   | : | -1.754 | -1.805 | -.587  |
| MAXIMUM Y                   | : | 1.988  | .762   | .716   |
| MINIMUM Y                   | : | -1.581 | -1.360 | -1.406 |
| CENTROID X                  | : | -.244  | -.193  | .032   |
| CENTROID Y                  | : | .051   | -.170  | -.124  |
| POA TO CENTROID in.         | : | .249   | .258   | .128   |
| MIN RADIUS                  | : | .350   | .500   | .327   |
| MEAN RADIUS                 | : | 1.064  | .946   | .793   |
| MAX RADIUS                  | : | 2.039  | 1.842  | 1.524  |
| HORIZONTAL SPREAD           | : | 2.720  | 2.720  | 1.277  |
| VERTICAL SPREAD             | : | 3.569  | 2.122  | 2.122  |
| EXTREME SPREAD              | : | 3.572  | 2.777  | 2.366  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

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# CENTERFIRE PATTERNS # 4



# OF SHOTS= 10

# IN CIR

1in = 3

2in = 5

3in = 10

HS= 2.138

VS= 2.531

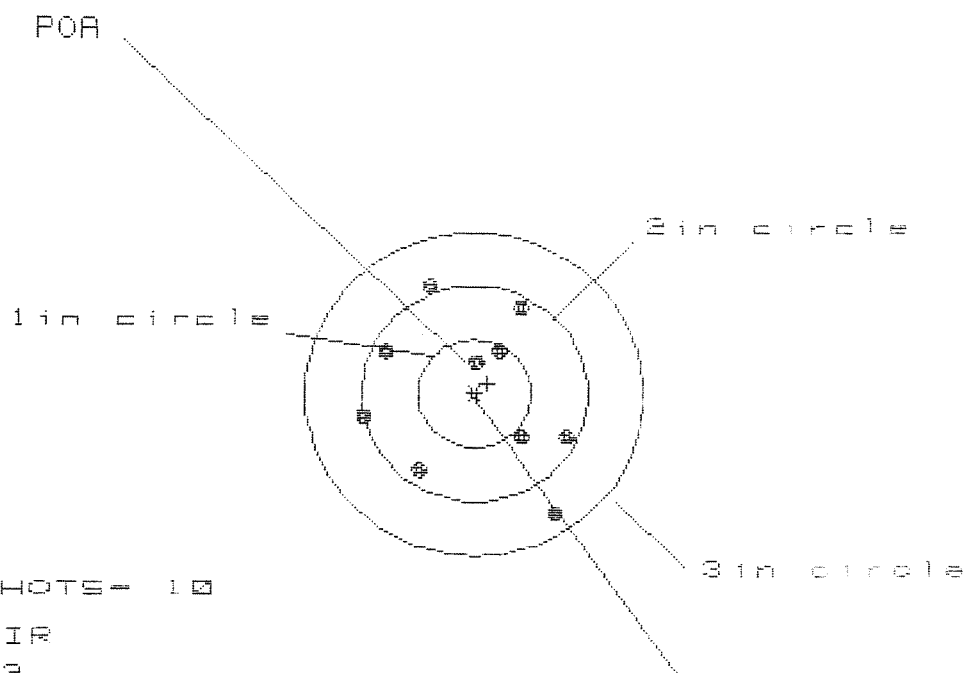
GS= 2.706

| PATTERN #                     | : | 4      |        |       |
|-------------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)               | : | 10     | 9      | 8     |
| MAXIMUM X                     | : | 1.221  | 1.119  | 1.111 |
| MINIMUM X                     | : | -.917  | -.809  | -.817 |
| MAXIMUM Y                     | : | 1.390  | 1.264  | .859  |
| MINIMUM Y                     | : | -1.141 | -1.014 | -.857 |
| CENTROID X                    | : | -.204  | -.102  | -.094 |
| CENTROID Y                    | : | -.331  | -.205  | -.362 |
| POA TO CENTROID in.           | : | .389   | .229   | .375  |
| MIN RADIUS                    | : | .229   | .365   | .210  |
| MEAN RADIUS                   | : | .865   | .808   | .727  |
| MAX RADIUS                    | : | 1.464  | 1.297  | 1.193 |
| HORIZONTAL SPREAD             | : | 2.138  | 1.928  | 1.928 |
| VERTICAL SPREAD               | : | 2.531  | 2.278  | 1.715 |
| EXTREME SPREAD                | : | 2.706  | 2.397  | 1.997 |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 3      |       |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 5      |       |
| NUMBER IN THREE INCH CIRCLE = |   |        | 10     |       |

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# CENTERFIRE PATTERNS # 5



# OF SHOTS= 10

# IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 1.811

VS= 2.089

GS= 2.352

CENTROID #

| PATTERN #                   | : | 5      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | .859   | .935  | .895  |
| MINIMUM X                   | : | -.952  | -.876 | -.916 |
| MAXIMUM Y                   | : | .982   | .859  | .743  |
| MINIMUM Y                   | : | -1.107 | -.777 | -.670 |
| CENTROID X                  | : | -.112  | -.188 | -.148 |
| CENTROID Y                  | : | -.096  | .027  | -.080 |
| POA TO CENTROID in.         | : | .147   | .190  | .159  |
| MIN RADIUS                  | : | .320   | .205  | .305  |
| MEAN RADIUS                 | : | .826   | .753  | .736  |
| MAX RADIUS                  | : | 1.302  | 1.079 | .994  |
| HORIZONTAL SPREAD           | : | 1.811  | 1.811 | 1.811 |
| VERTICAL SPREAD             | : | 2.089  | 1.636 | 1.413 |
| EXTREME SPREAD              | : | 2.352  | 1.877 | 1.866 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 8     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10    |       |