

G6695380  
Replaces  
C6225084

## Repair Inquiry

Repair Number: RE00151970

Serial: C6225084 Model M24 SWS Center Fire  
Caliber: 7.62 NATO Produced: 12/20/1988

Repairman:

Verify Repair

Status:

Closed 9/26/2008 9:51:05 AM

## Address Information

Customer:

Received From

Return To:

Received From

Name: DEF DIST DEPOT ANNISTON AL

DEF DIST DEPOT ANNISTON AL

Address 1: 7 FRANKFORD AVE BLDG 362

7 FRANKFORD AVE BLDG 362

Address 2: PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL Zip Code: 36201-4199

Country: US

State: AL

Zip Code: 36201-4199

Country: US

FFL:

## Contact / Condition

## Problems

## Estimate

## History / Status

## Shipping / Billing

## Contact Information

Phone: NN

Fax:

Email:

Comments:

## Received Condition

Fair

Condition  
Notes:CSR  
Notes:

## Accessories Received

| Code | Desc                  | Qty |
|------|-----------------------|-----|
| A006 | Sling Strap           | 1   |
| A007 | With Stud             | 3   |
| A008 | With Swivel           | 2   |
| A010 | Hard Case             | 1   |
| A017 | Scope Base            | 1   |
| A026 | Scope                 | 1   |
| A057 | Fit and Rear Sgt Base | 1   |

## Repair Search

Refresh

Close

nagletj

9/29/2008

2:39 PM

CAPS

NUM

INS

SCRL



2:39 PM

Serial Number:

C6225084

Model M24 SWS



RE00151970

R &amp; E NUMBER

151970

SERIAL NUMBER

G609 5380

LOG-IN DATE

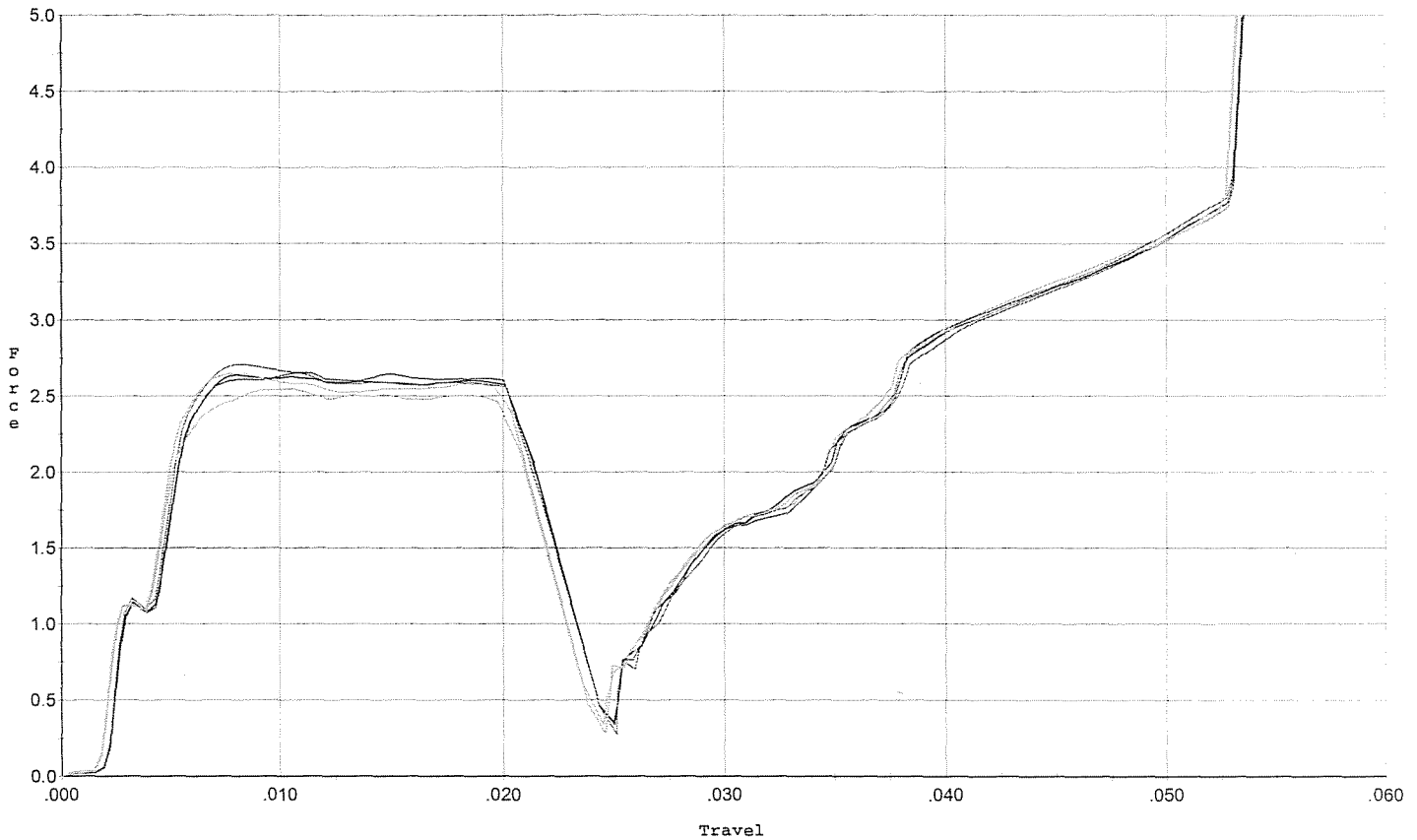
9-26-08

| OPERATION # | OPERATION NAME       | DATE                     | INITIAL     |
|-------------|----------------------|--------------------------|-------------|
| 500         | DIS-ASSEMBLE GUN     | 3-26-09                  | RT          |
| 505         | RE-BARREL            | 3-27-09                  | RT          |
| 420         | ASSEMBLE             | 3-27-09                  | RT          |
| 440         | PROOF                | 3-27-09                  | RT          |
| 460         | CHECK HEADSPACE      | 3-27-09                  | RT          |
| 470         | DIS-ASSEMBLE GUN     |                          |             |
| 480         | MAGNAFLUX            | 4/2/09                   | (H)         |
| 510         | DRILL AND TAP        | 3-28-09                  | SL          |
| 500         | ROLLMARK CALIBER     | 4/2/09                   | RT          |
| 520         | GOFF BLAST BBL / REC | 4-2                      | RT          |
| 530 & 540   | APPLY COATINGS       | 4-3                      |             |
| 560         | FINAL ASSEMBLY       | 4-13-09                  | RT          |
| 640         | FUNCTION TEST AND    | PASS FAIL                | 4-13-09 RP  |
| 650         | TARGET               | PASS FAIL                | 4-13-09 RP  |
|             | MALFUNCTION          | CORRECTION               |             |
|             | MALFUNCTION          | CORRECTION               |             |
|             | MALFUNCTION          | CORRECTION               |             |
|             | MALFUNCTION          | CORRECTION               | 4-13-09     |
| 670         | FINAL INSPECTION     |                          |             |
|             | A) HEADSPACE         | PASS FAIL                | 4-16-09 W N |
|             | B) TRIGGER PULL      |                          |             |
|             |                      | 2.68 2.65 2.63 2.66 2.65 | 4-14-09 W N |
| 680         | F) SAFETY ON FORCE   | 2 LBS MIN<br>10 LBS MAX  | 4-16-09 W N |
|             | G) SAFETY OFF FORCE  | 2 LBS<br>MIN             | 4-16-09 W N |
|             | I) FIRING PIN INDENT | .020                     | 4-16-09 W N |
| 690         | PACK                 |                          | 6/3/09 FM   |

## Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: C Schults 3/3/2009

Model: M/24  
Serial No: Form #F005  
Trigger: 2.5 lbs ini +/- .50 lb



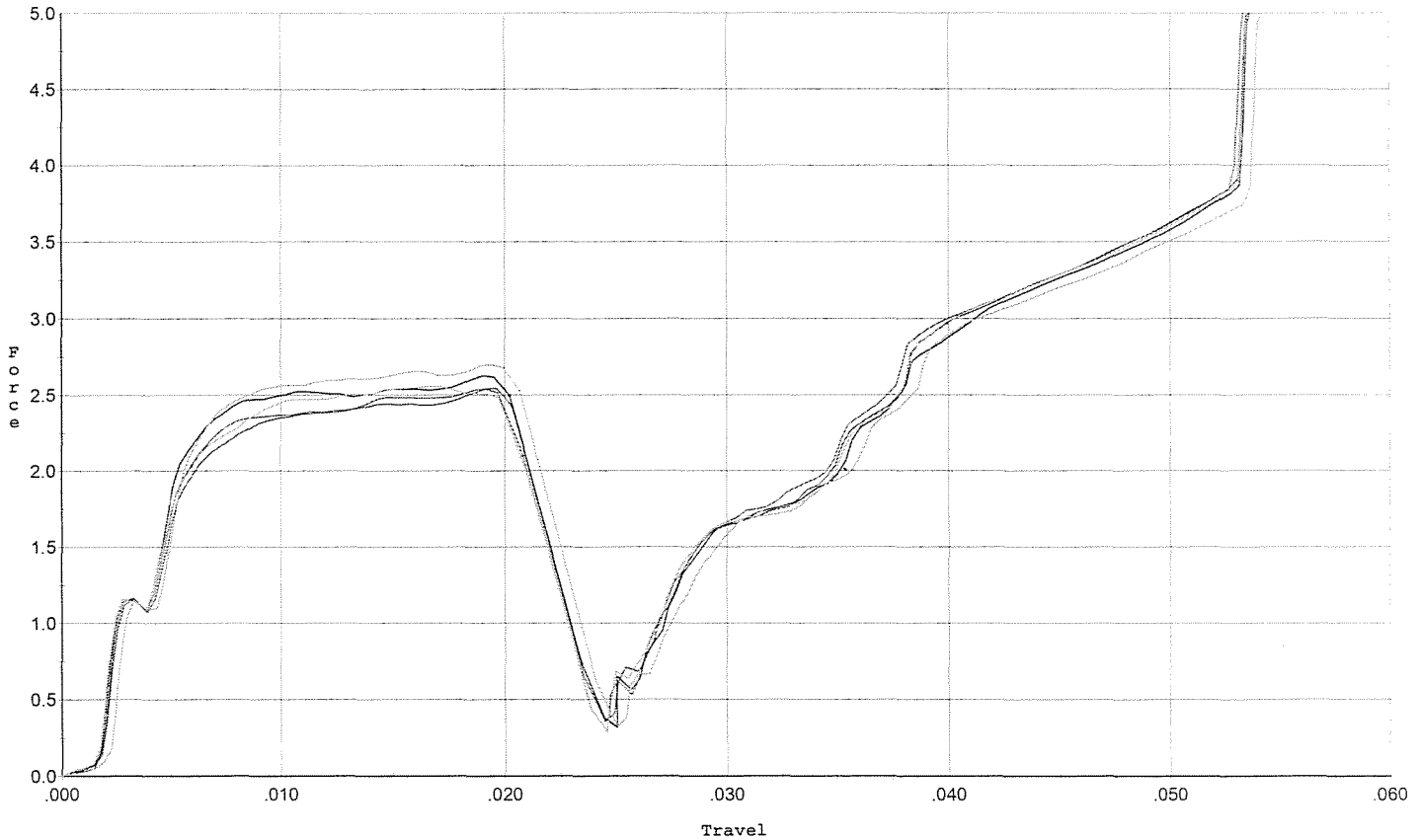
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.654      | 0.021             | 0.002           | 0.035      | 0.042             |           | Set Trigger |
| 2 | 2.639      | 0.021             | 0.00            | 0.036      | 0.042             |           | Set Trigger |
| 3 | 2.706      | 0.022             | 0.002           | 0.036      | 0.043             |           | Set Trigger |
| 4 | 2.649      | 0.020             | 0.002           | 0.036      | 0.041             |           | Set Trigger |
| 5 | 2.545      | 0.021             | 0.00            | 0.036      | 0.040             |           | Set Trigger |

A-2-63

## Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: C Schults 3/3/2009

Model: M/24  
Serial No: Form #F005  
Trigger: 2.5 lbs after 50 cycles+/- .50 lb



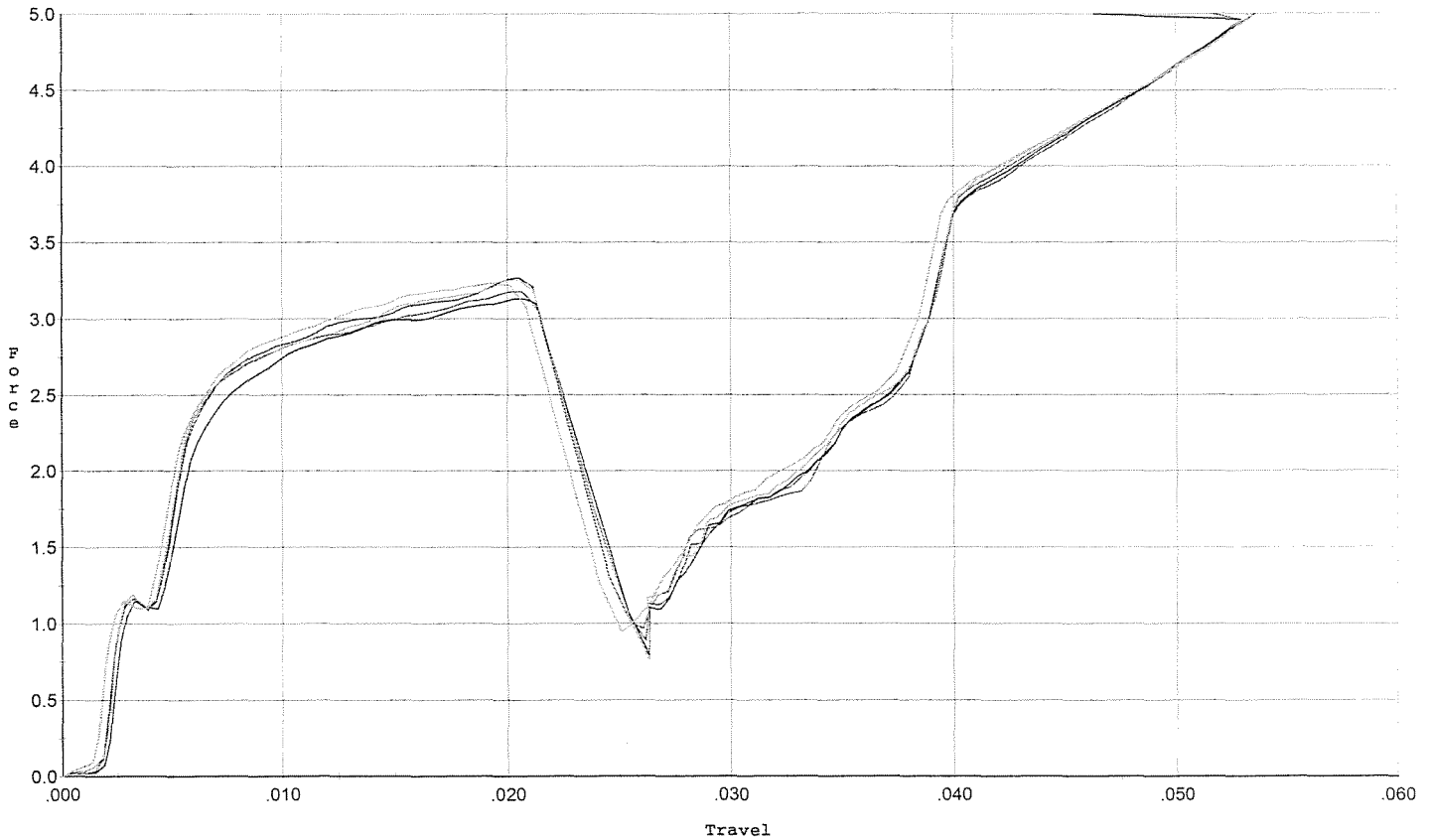
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.547      | 0.020             | 0.00            | 0.036      | 0.038             |           | Set Trigger |
| 2 | 2.628      | 0.020             | 0.004           | 0.036      | 0.039             |           | Set Trigger |
| 3 | 2.542      | 0.021             | 0.00            | 0.035      | 0.039             |           | Set Trigger |
| 4 | 2.557      | 0.021             | 0.004           | 0.036      | 0.040             |           | Set Trigger |
| 5 | 2.699      | 0.021             | 0.005           | 0.036      | 0.040             |           | Set Trigger |

A-2.59

## Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: C Schults 3/3/2009

Model: M/24  
Serial No: Form #F005  
Trigger: 3.0 lbs ini +/- .75 lb



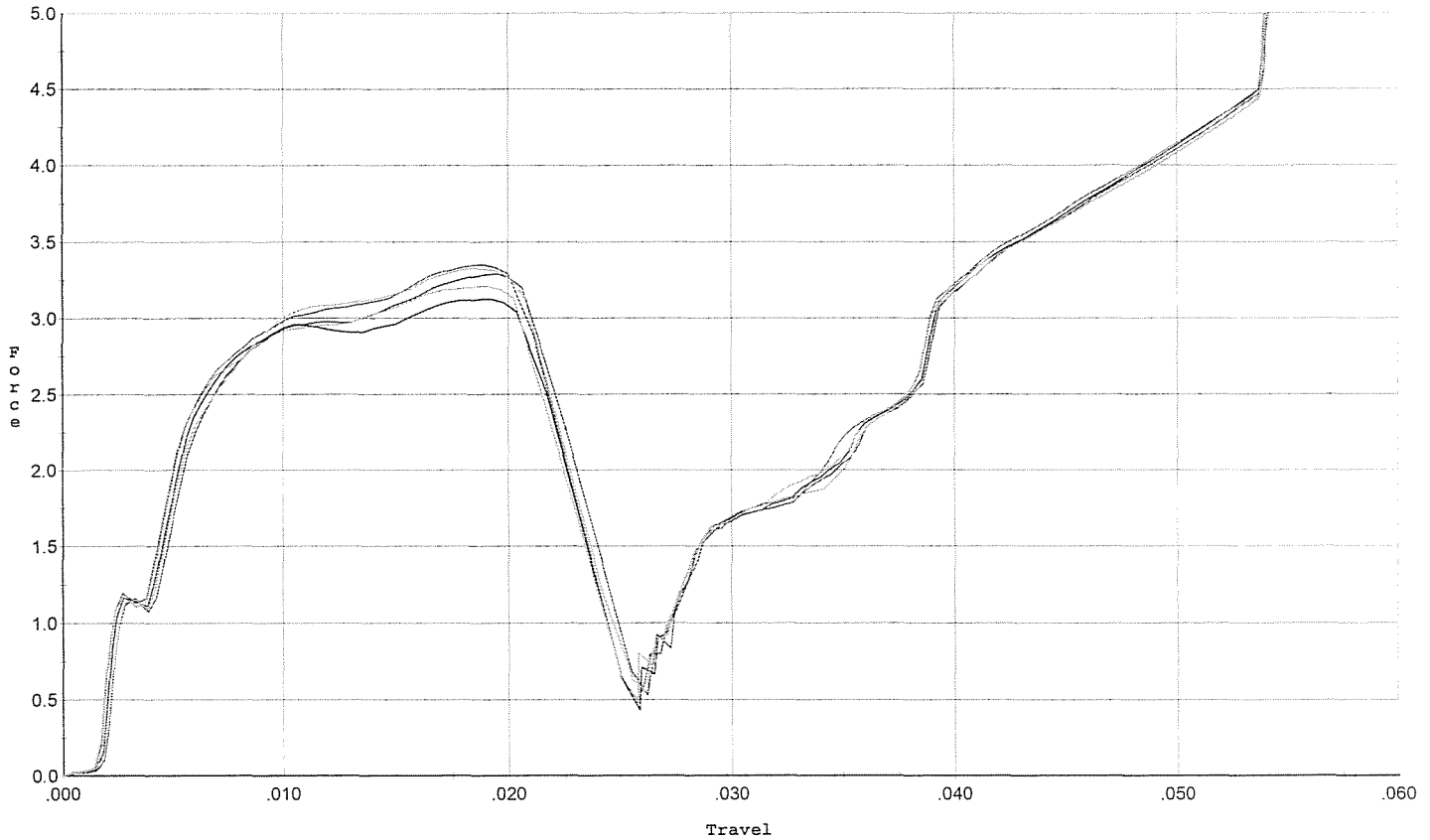
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 3.269      | 0.021             | 0.00            | 0.035      | 0.048             |           | Set Trigger |
| 2 | 3.131      | 0.021             | 0.002           | 0.035      | 0.046             |           | Set Trigger |
| 3 | 3.179      | 0.021             | 0.00            | 0.035      | 0.048             |           | Set Trigger |
| 4 | 3.256      | 0.021             | 0.00            | 0.035      | 0.049             |           | Set Trigger |
| 5 | 3.226      | 0.021             | 0.004           | 0.035      | 0.047             |           | Set Trigger |

AB.21

## Trigger Profile [ lbs,inch ]

Profile: SWS  
GunType: Rifle  
Make: Remington  
Note: C Schults 3/3/2009

Model: M/24  
Serial No: Form #F005  
Trigger: 3.0 lbs after 20 cycles+/- .75 lb



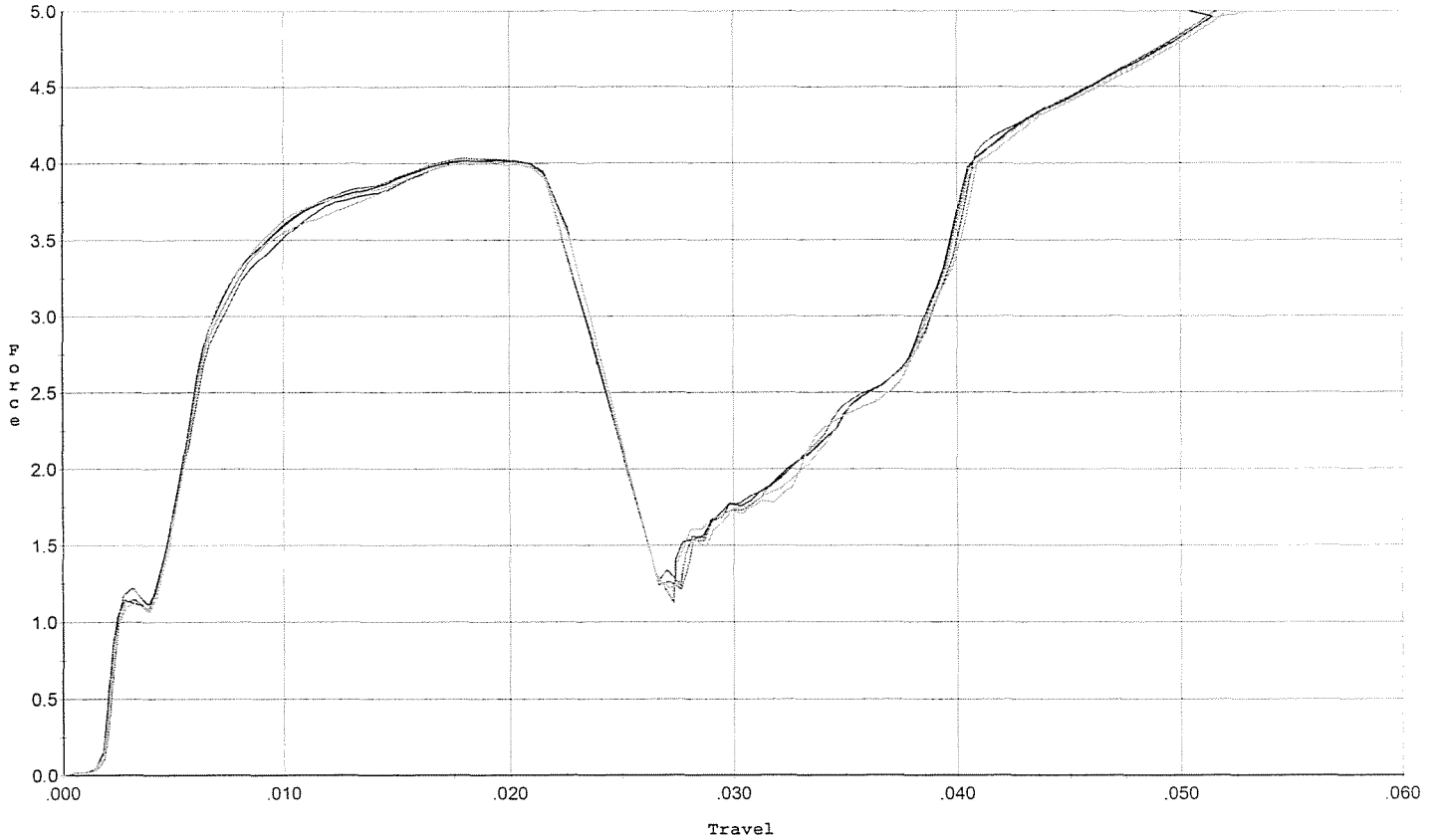
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 3.291      | 0.023             | 0.00            | 0.035      | 0.051             |           | Set Trigger |
| 2 | 3.126      | 0.022             | 0.004           | 0.035      | 0.049             |           | Set Trigger |
| 3 | 3.352      | 0.021             | 0.00            | 0.035      | 0.049             |           | Set Trigger |
| 4 | 3.329      | 0.021             | 0.00            | 0.035      | 0.048             |           | Set Trigger |
| 5 | 3.208      | 0.022             | 0.00            | 0.035      | 0.051             |           | Set Trigger |

A-3-26

## Trigger Profile [ lbs,inch ]

Profile: SWS  
 GunType: Rifle  
 Make: Remington  
 Note: C Schults 3/3/2009

Model: M/24  
 Serial No: Form #F005  
 Trigger: 4.0 lbs ini +/- 1.0 lb



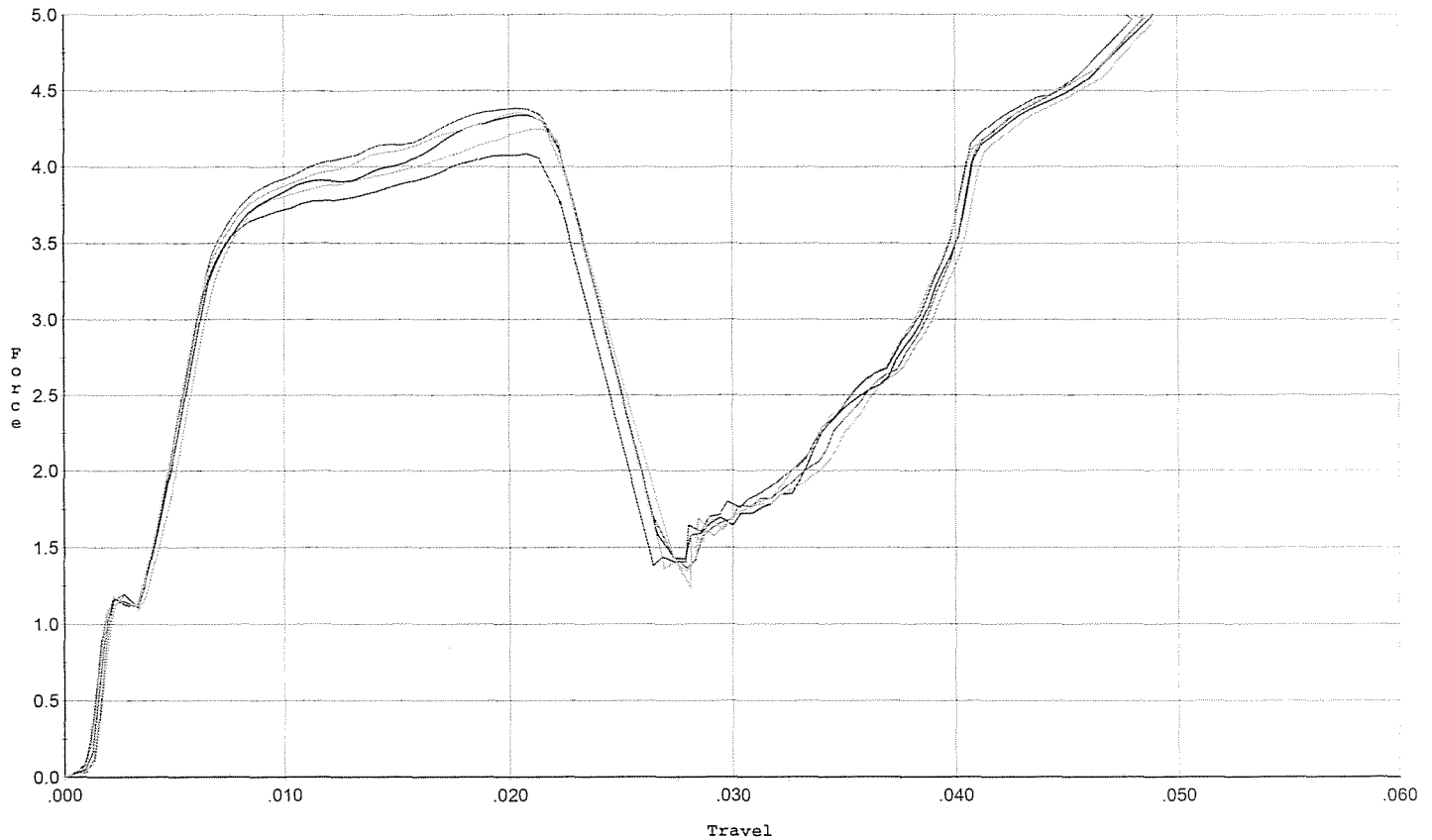
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 4.013      | 0.023             | 0.00            | 0.033      | 0.062             |           | Set Trigger |
| 2 | 4.021      | 0.024             | 0.004           | 0.033      | 0.066             |           | Set Trigger |
| 3 | 4.029      | 0.023             | 0.00            | 0.033      | 0.063             |           | Set Trigger |
| 4 | 4.008      | 0.023             | 0.00            | 0.033      | 0.063             |           | Set Trigger |
| 5 | 3.998      | 0.024             | 0.00            | 0.033      | 0.065             |           | Set Trigger |

A. 4.01

## Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: C Schults 3/3/2009

Model: M/24  
Serial No: Form #F005  
Trigger: 4.0 lbs after 20 cycles+/- 1.0 lb



| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 4.085      | 0.022             | 0.004           | 0.033      | 0.065             |           | Set Trigger |
| 2 | 4.339      | 0.022             | 0.004           | 0.033      | 0.067             |           | Set Trigger |
| 3 | 4.386      | 0.022             | 0.00            | 0.033      | 0.068             |           | Set Trigger |
| 4 | 4.248      | 0.022             | 0.00            | 0.033      | 0.065             |           | Set Trigger |
| 5 | 4.359      | 0.022             | 0.004           | 0.033      | 0.068             |           | Set Trigger |

A. 4.28

## SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6695380.\_\_0

FILE DATE AND TIME: 04/14/2009 05:09

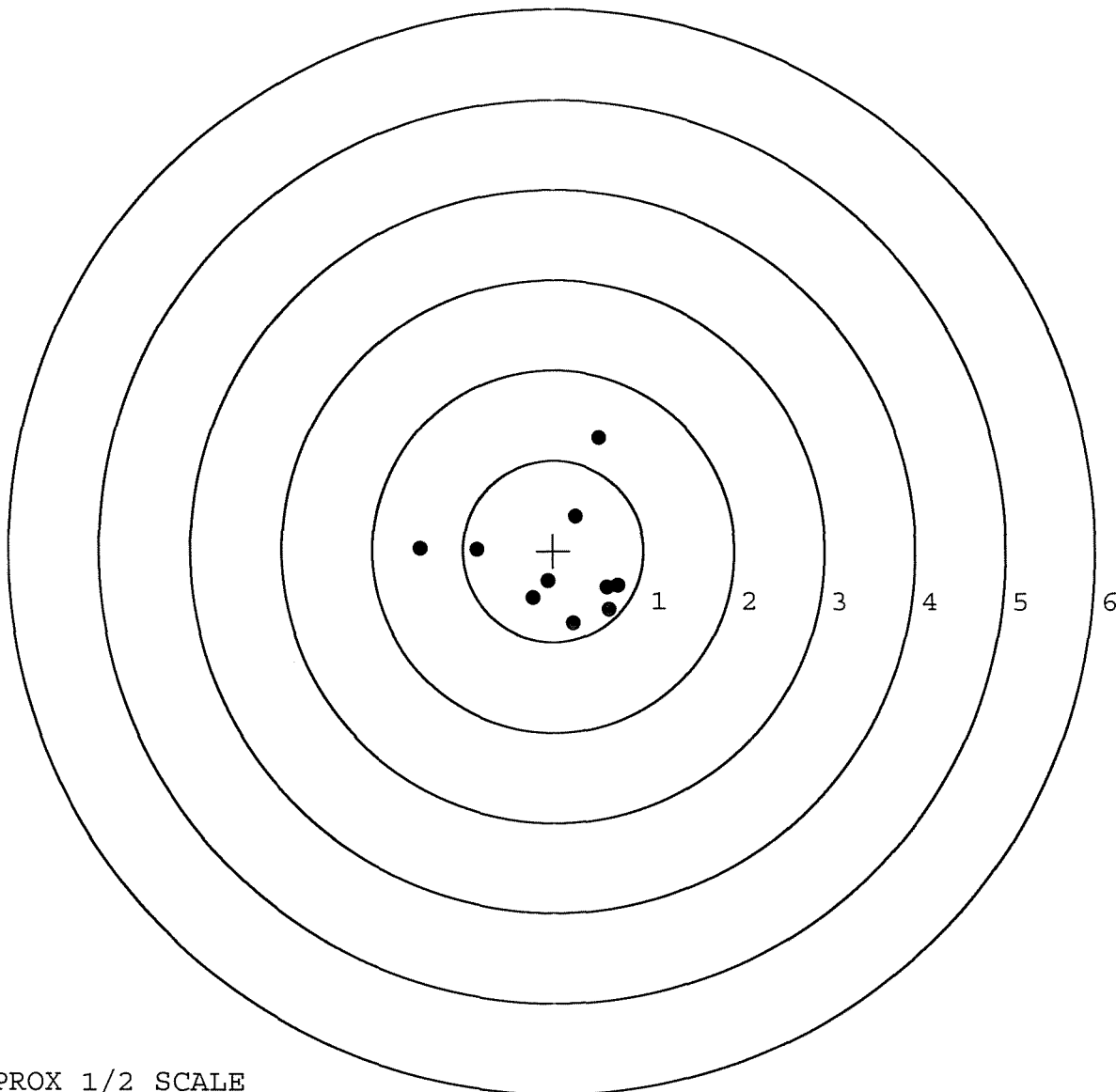
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.005 |
| The Average Y Centroid of the Five Target Set:              | -0.094 |
| The Average Point of Impact of the Five Target Set:         | 0.095  |
| The Average Mean Radius of the Five Target Set:             | 0.698  |
| The Distance from POA to Centroid Target #1:                | 0.148  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.076  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.066  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.303  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.156  |

SERIAL NUMBER: G6695380. \_\_0  
 TARGET NUMBER: 1  
 FILE DATE: 04/14/2009  
 FILE TIME: 05:09

X CENTROID: 0.030  
 Y CENTROID: -0.145  
 POA TO CENTROID: 0.148  
 HORZ SPREAD: 2.187  
 VERT SPREAD: 2.057  
 GROUP SPREAD: 2.331  
 MIN RADIUS: 0.213  
 MAX RADIUS: 1.508  
 MEAN RADIUS: 0.792  
 # IN 1 IN DIAMETER: 2  
 # IN 2 IN DIAMETER: 8  
 # in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.595  | -0.402 |
| 2:     | 0.718  | -0.383 |
| 3:     | 0.617  | -0.652 |
| 4:     | 0.217  | -0.805 |
| 5:     | -0.228 | -0.526 |
| 6:     | -0.063 | -0.337 |
| 7:     | -1.469 | 0.021  |
| 8:     | -0.844 | 0.008  |
| 9:     | 0.242  | 0.378  |
| 10:    | 0.510  | 1.252  |

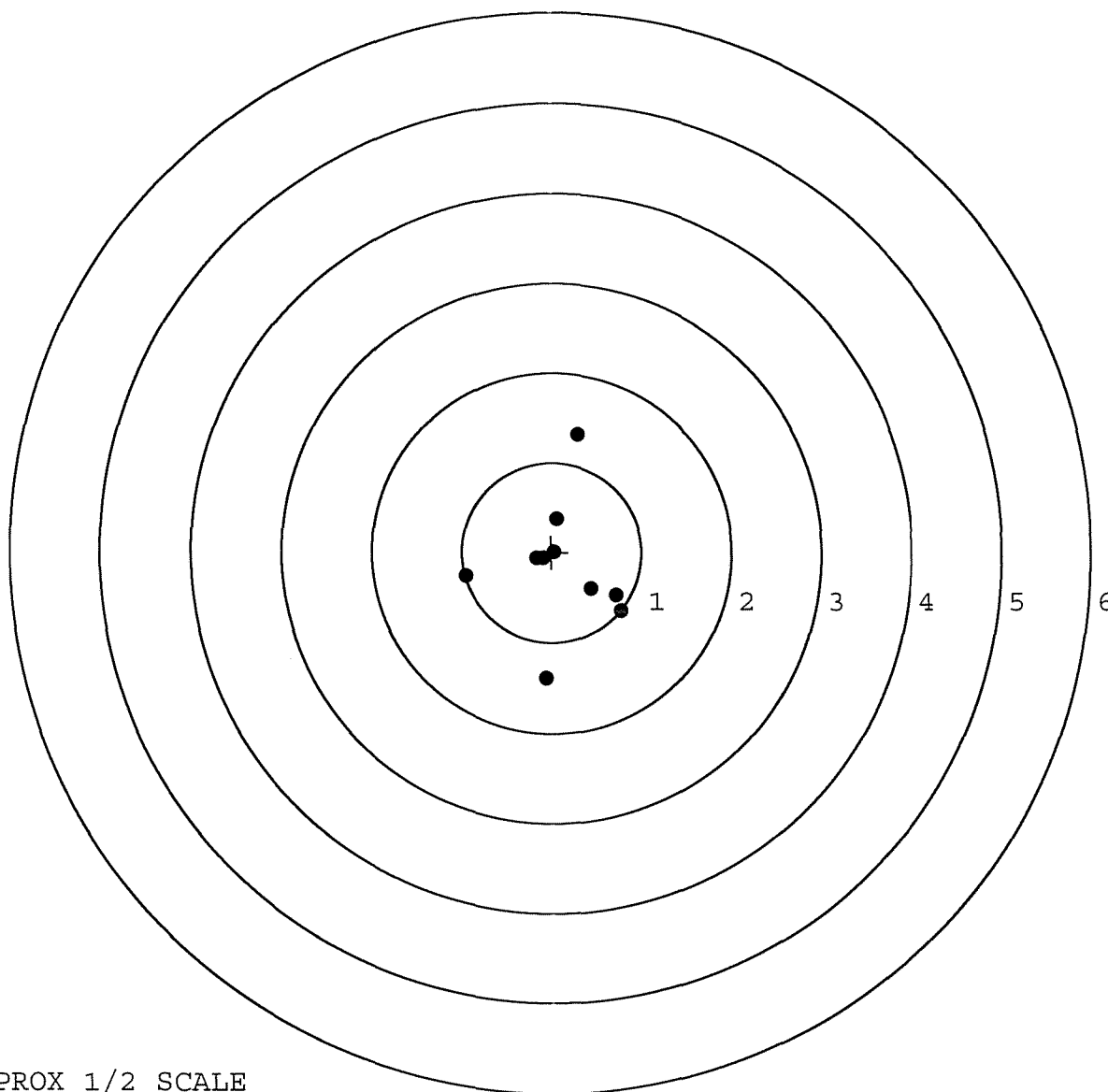


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695380. 0  
 TARGET NUMBER: 2  
 FILE DATE: 04/14/2009  
 FILE TIME: 05:09

X CENTROID: 0.101  
 Y CENTROID: -0.169  
 POA TO CENTROID: 0.197  
 HORZ SPREAD: 1.727  
 VERT SPREAD: 2.714  
 GROUP SPREAD: 2.739  
 MIN RADIUS: 0.178  
 MAX RADIUS: 1.490  
 MEAN RADIUS: 0.695  
 # IN 1 IN DIAMETER: 4  
 # IN 2 IN DIAMETER: 7  
 # in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.771  | -0.656 |
| 2:     | 0.717  | -0.481 |
| 3:     | 0.435  | -0.407 |
| 4:     | -0.071 | -1.406 |
| 5:     | -0.956 | -0.267 |
| 6:     | -0.095 | -0.073 |
| 7:     | 0.029  | -0.006 |
| 8:     | -0.170 | -0.070 |
| 9:     | 0.056  | 0.368  |
| 10:    | 0.298  | 1.308  |

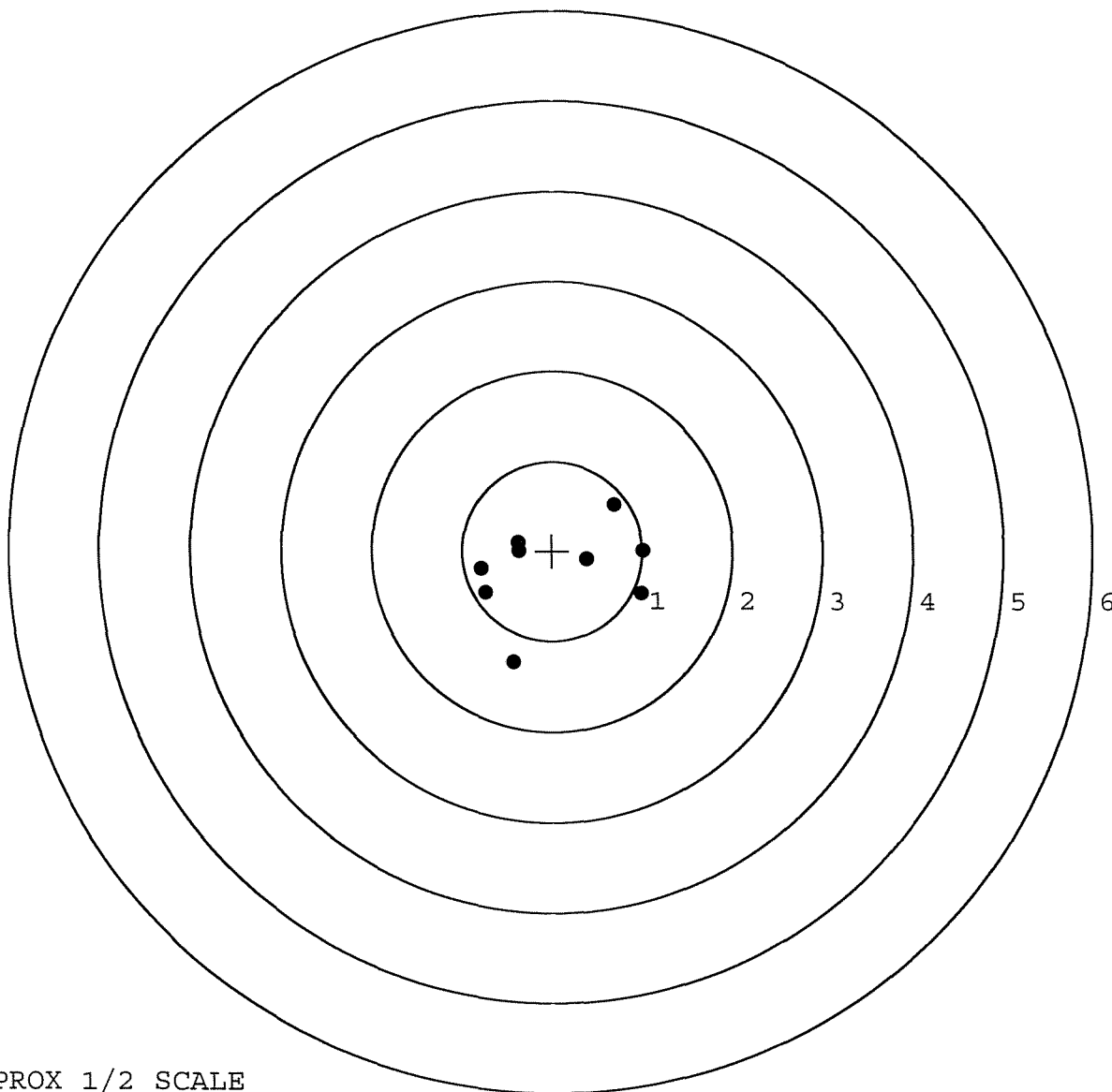


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695380.\_\_\_\_0  
 TARGET NUMBER: 3  
 FILE DATE: 04/14/2009  
 FILE TIME: 05:09

X CENTROID: 0.075  
 Y CENTROID: -0.192  
 POA TO CENTROID: 0.207  
 HORZ SPREAD: 1.796  
 VERT SPREAD: 1.758  
 GROUP SPREAD: 2.084  
 MIN RADIUS: 0.325  
 MAX RADIUS: 1.160  
 MEAN RADIUS: 0.742  
 # IN 1 IN DIAMETER: 3  
 # IN 2 IN DIAMETER: 9  
 # in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.427 | -1.238 |
| 2:     | -0.741 | -0.463 |
| 3:     | -0.789 | -0.200 |
| 4:     | -0.379 | 0.097  |
| 5:     | 0.990  | -0.471 |
| 6:     | 1.007  | 0.010  |
| 7:     | 0.388  | -0.087 |
| 8:     | 0.693  | 0.520  |
| 9:     | 0.384  | -0.092 |
| 10:    | -0.373 | -0.001 |

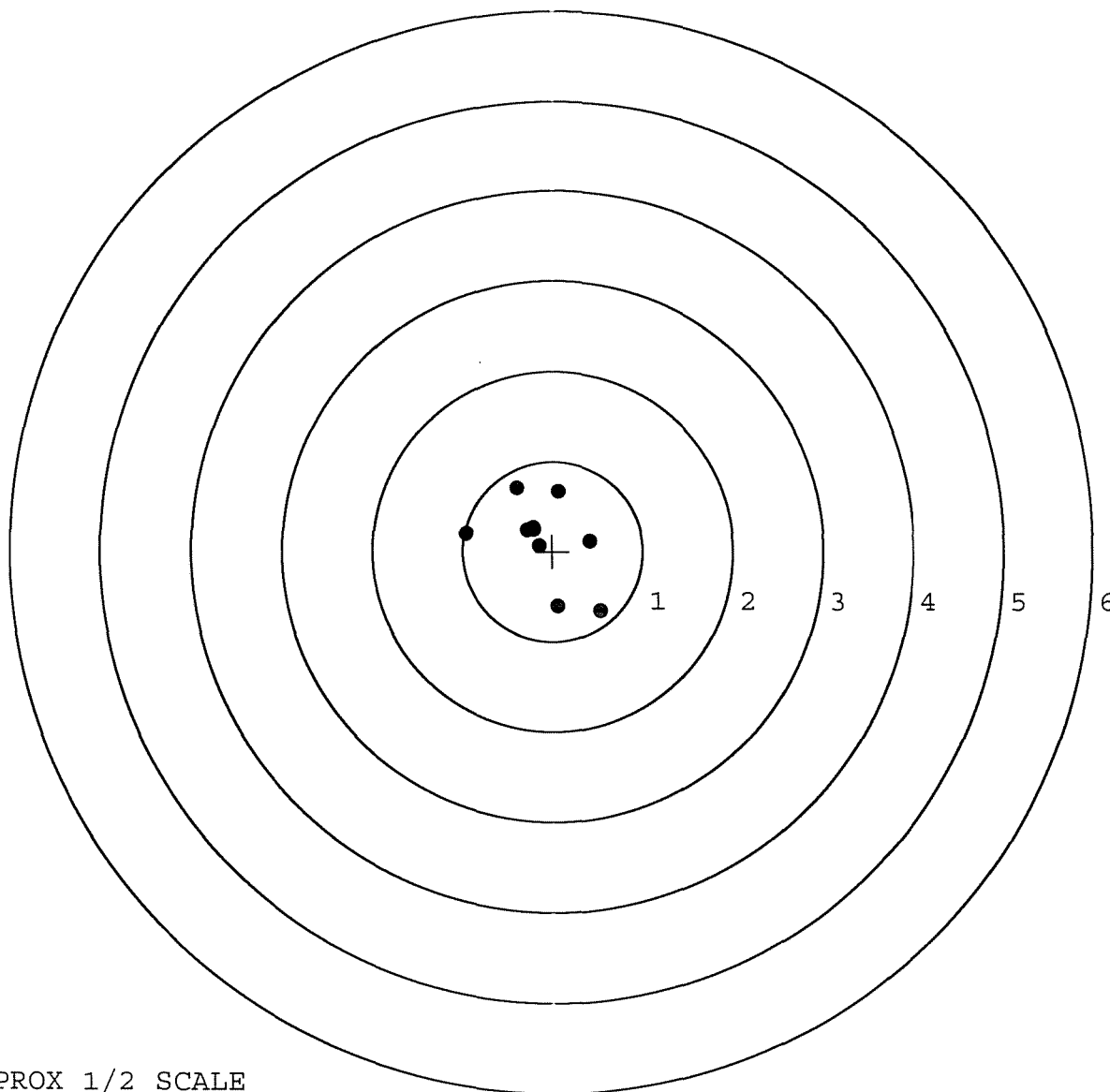


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695380. \_\_0  
 TARGET NUMBER: 4  
 FILE DATE: 04/14/2009  
 FILE TIME: 05:09

X CENTROID: -0.117  
 Y CENTROID: 0.121  
 POA TO CENTROID: 0.168  
 HORZ SPREAD: 1.497  
 VERT SPREAD: 1.367  
 GROUP SPREAD: 1.728  
 MIN RADIUS: 0.068  
 MAX RADIUS: 1.019  
 MEAN RADIUS: 0.500  
 # IN 1 IN DIAMETER: 4  
 # IN 2 IN DIAMETER: 9  
 # in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.420  | 0.117  |
| 2:     | -0.148 | 0.061  |
| 3:     | -0.291 | 0.238  |
| 4:     | -0.402 | 0.703  |
| 5:     | 0.066  | 0.664  |
| 6:     | -0.964 | 0.200  |
| 7:     | -0.215 | 0.243  |
| 8:     | -0.221 | 0.265  |
| 9:     | 0.533  | -0.664 |
| 10:    | 0.056  | -0.616 |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695380. 0

TARGET NUMBER: 5

FILE DATE: 04/14/2009

FILE TIME: 05:09

X CENTROID: -0.115

Y CENTROID: -0.087

POA TO CENTROID: 0.144

HORZ SPREAD: 1.893

VERT SPREAD: 1.954

GROUP SPREAD: 1.916

MIN RADIUS: 0.321

MAX RADIUS: 1.129

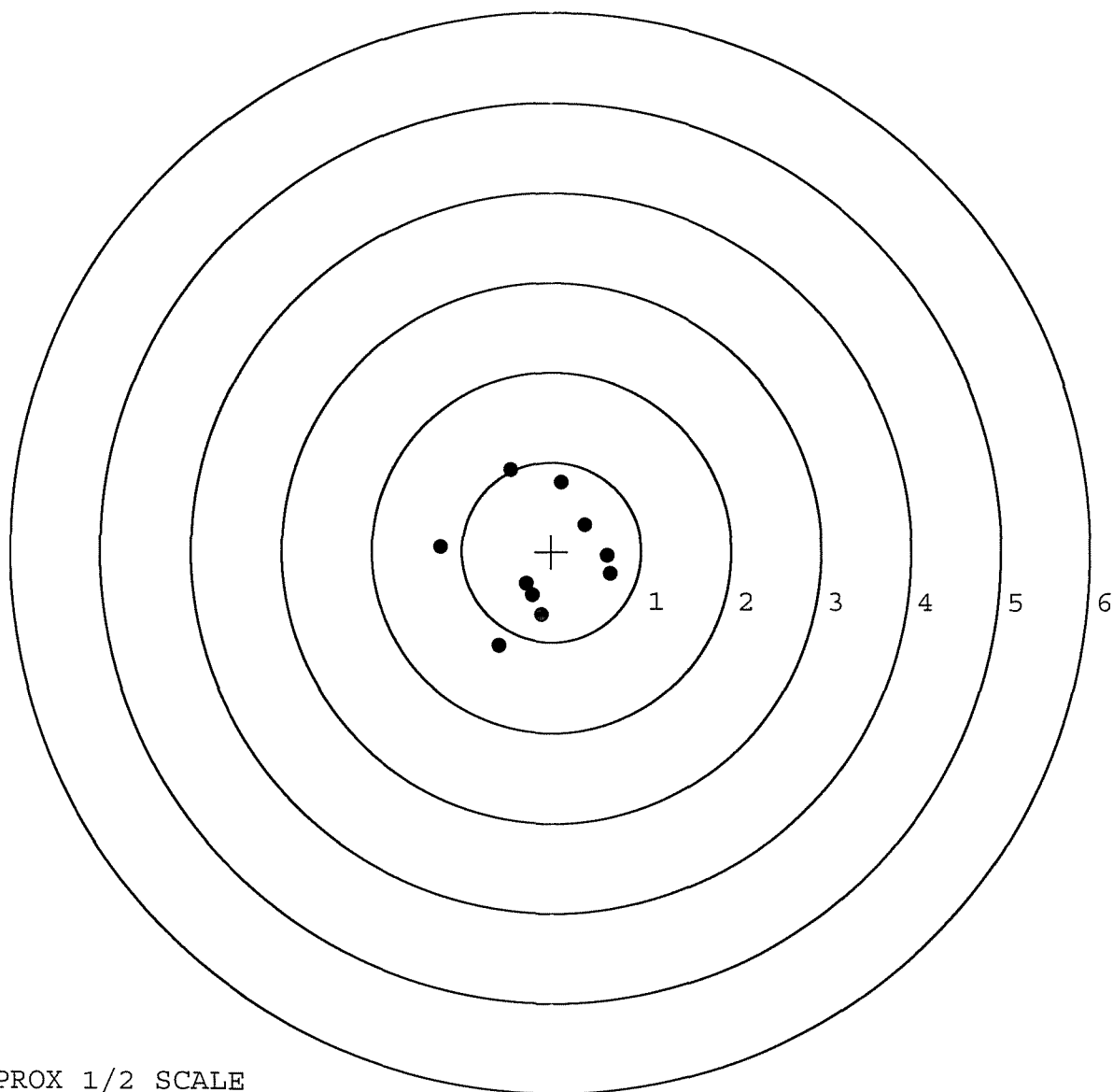
MEAN RADIUS: 0.763

# IN 1 IN DIAMETER: 2

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.590 | -1.047 |
| 2:     | -0.119 | -0.703 |
| 3:     | -0.220 | -0.487 |
| 4:     | -0.283 | -0.361 |
| 5:     | -1.236 | 0.047  |
| 6:     | -0.456 | 0.907  |
| 7:     | 0.107  | 0.774  |
| 8:     | 0.620  | -0.047 |
| 9:     | 0.368  | 0.299  |
| 10:    | 0.657  | -0.252 |



TARGET APPROX 1/2 SCALE

INTERCHANGEABILITY

CONTRACT # DAAA21-87-C-0086

1270

GUN SERIAL #

C6225084

| OP. #     | OP. NAME                                                 | READINGS                                                                                                  | DATE     | INITIAL |
|-----------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------|---------|
| 575 & 580 | Assemble Action and Stock                                | <div style="border: 1px solid black; padding: 10px; text-align: center;"> <b>QUALITY<br/>AUDIT</b> </div> | 9 12 88  | FB      |
| 600       | Proof                                                    |                                                                                                           | 9 19 88  | RW      |
| 607       | Check Headspace                                          |                                                                                                           | 9 19 88  | RW      |
| 610       | Dis-assemble Gun                                         |                                                                                                           | 9 19 88  | RW      |
| 612       | Magnaflux Barrel Action                                  |                                                                                                           | 9/22/88  | RW      |
|           | Magnaflux Bolt                                           |                                                                                                           | 9/22/88  | RW      |
| 615       | Rollmark Caliber                                         |                                                                                                           | 10/1/88  | WC      |
| 617       | Drill and Tap Sight Holes                                |                                                                                                           | 10/1/88  | FB      |
| 618       | Polish Barrel                                            |                                                                                                           | 10/20/88 | WT      |
| 620       | Apply Coatings (Barrel Action)                           |                                                                                                           | 10/31/88 | TJA     |
|           | Apply Coating (Bolt)                                     |                                                                                                           | 10/31/88 | TJA     |
| 625       | Final Assembly<br>A) Clean inside of Bolt Assembly       |                                                                                                           | 11/3/88  | RW      |
|           | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head |                                                                                                           | 11/3/88  | RW      |
|           | C) Inspect Ejector Hole for Chamfer                      |                                                                                                           | 11/3/88  | RW      |
|           | D) Oil Firing Pin Ass'y                                  |                                                                                                           | 11/3/88  | RW      |
|           | E) Adjust Trigger Pull to Min Setting and Stake          |                                                                                                           | 3/10/88  | JS      |

| op. #        | OP. NAME                                                    | READINGS |       |      |      |      | DATE     | INITIAL |
|--------------|-------------------------------------------------------------|----------|-------|------|------|------|----------|---------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 5     | 5    |      |      | 4/10/88  | JS      |
|              | G) Safety Off Force                                         | 3.5      | 3.5   | 3.5  |      |      | 4/10/88  | JS      |
|              | H) Trigger Pull Test & Retainability                        |          |       |      |      |      | 3/10/88  | JS      |
|              | I) Firing Pin Indent                                        | .020     | .0205 | .020 |      |      | 4/10/88  | JS      |
|              | J) Assemble Stock                                           |          |       |      |      |      | 11/16/88 | RW      |
|              | K) Assemble Swivel Studs                                    |          |       |      |      |      | 1/Dec 88 | JS      |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |      |      |      | 11/16/88 | RW      |
|              | M) Iron Sight Alignment                                     |          |       |      |      |      | 11/16/88 | RW      |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |      |      |      | 11/16/88 | RW      |
|              | O) Attach Scope to Rifle                                    |          |       |      |      |      | 11/16/88 | WCB     |
|              | P) Detach & Attach Scope 20 Times                           |          |       |      |      |      | 11/16/88 | WCB     |
| 640          | Gallery Target & Test                                       | 73R      | 80L   |      |      |      | 11/17/88 | AC      |
|              | A) Time                                                     |          |       |      |      |      |          |         |
|              | B) Malfunctions                                             |          |       |      |      |      |          |         |
|              | C) Pierced Primers                                          |          |       |      |      |      |          |         |
|              | D) Optical Clarity of Scope                                 |          |       |      |      |      | 11/17/88 | JS      |
| 645          | Inspect for Live Ammo                                       |          |       |      |      |      | 11/17/88 | JS      |
| 655          | Final Inspection                                            |          |       |      |      |      |          |         |
|              | A) Headspace                                                |          |       |      |      |      | 1/Dec 88 | JS      |
|              | B) Trigger Pull                                             | 2.64     | 2.64  | 2.65 | 2.64 | 2.69 | 1/Dec 88 | JS      |
|              | C) Function                                                 |          |       |      |      |      | 1/Dec 88 | JS      |
| 660          | Pack                                                        |          |       |      |      |      | 12/15/88 | RW      |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6225084DATE 3/10/88TESTER J. H. + J. S.

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |       | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-------|------------------------------------------------------------------------|
| PULL #1 | 2.41             | 2.20                     | 2.33                           | 2.64  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.35             | 2.21                     | 2.29                           | 2.64  |                                                                        |
| PULL #3 | 2.35             | 2.20                     | 2.25                           | 2.65  |                                                                        |
| PULL #4 | 2.32             | 2.18                     | 2.27                           | 2.64  |                                                                        |
| PULL #5 | 2.33             | 2.29                     | 2.25                           | 2.69  |                                                                        |
| TOTAL   | 11.76            | 11.08                    | 11.39                          | 13.26 |                                                                        |
| AVG.    | 2.352            | 2.216                    | 2.278                          | 2.652 |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.34             | 3.28                     |  |          |
| PULL #2 | 3.29             | 3.29                     |  |          |
| PULL #3 | 3.30             | 3.30                     |  |          |
| PULL #4 | 3.32             | 3.19                     |  |          |
| PULL #5 | 3.10             | 3.31                     |  |          |
| TOTAL   | 16.35            | 16.37                    |  |          |
| AVG.    | 3.27             | 3.274                    |  |          |

|         | 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 | 4.30             | 4.27                     |                                | 4.25                                 |
| PULL #2 | 4.27             | 4.26                     |                                | 4.23                                 |
| PULL #3 | 4.23             | 4.22                     |                                | 4.22                                 |
| PULL #4 | 4.26             | 4.10                     |                                | 4.20                                 |
| PULL #5 | 4.28             | 4.25                     |                                | 4.26                                 |
| TOTAL   | 21.34            | 21.30                    |                                | 21.16                                |
| AVG.    | 4.268            | 4.26                     |                                | 4.232                                |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6225084

## CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .977902 |
| 1 TO | 2 | .852913 |
| 1 TO | 3 | .987492 |
| 1 TO | 4 | .366776 |
| 1 TO | 5 | .248516 |

+  $\frac{1}{4}$   $\frac{3}{4}$  <----POA

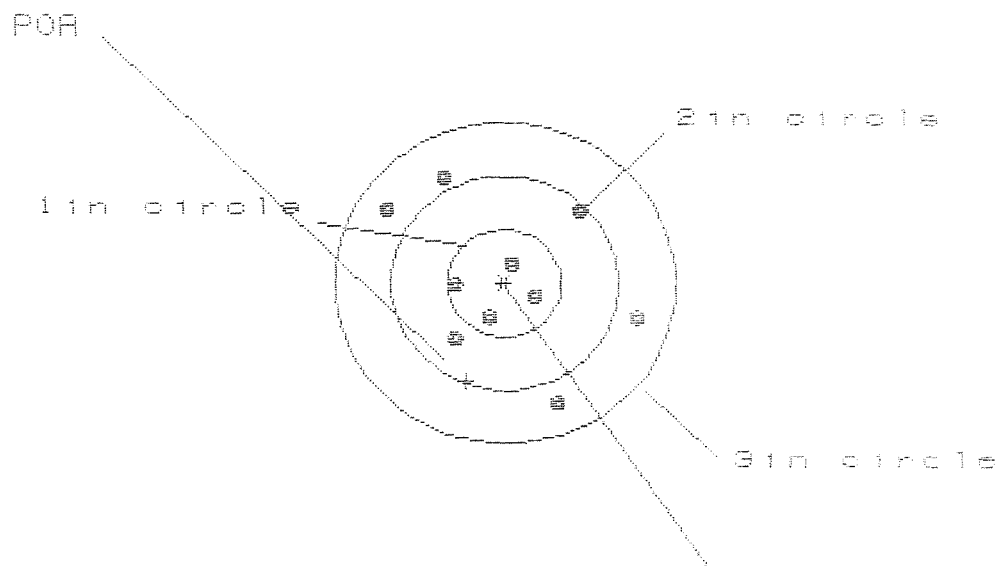
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5652  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .5036  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .75701

THE AMR FOR THIS RIFLE IS: 1.144

28 Nov 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/08225084

## CENTERFIRE PATTERNS # 1



# OF SHOTS = 10

# IN CIR

1in = 4

2in = 6

3in = 10

HS = 2.221

VS = 2.016

GS = 2.440

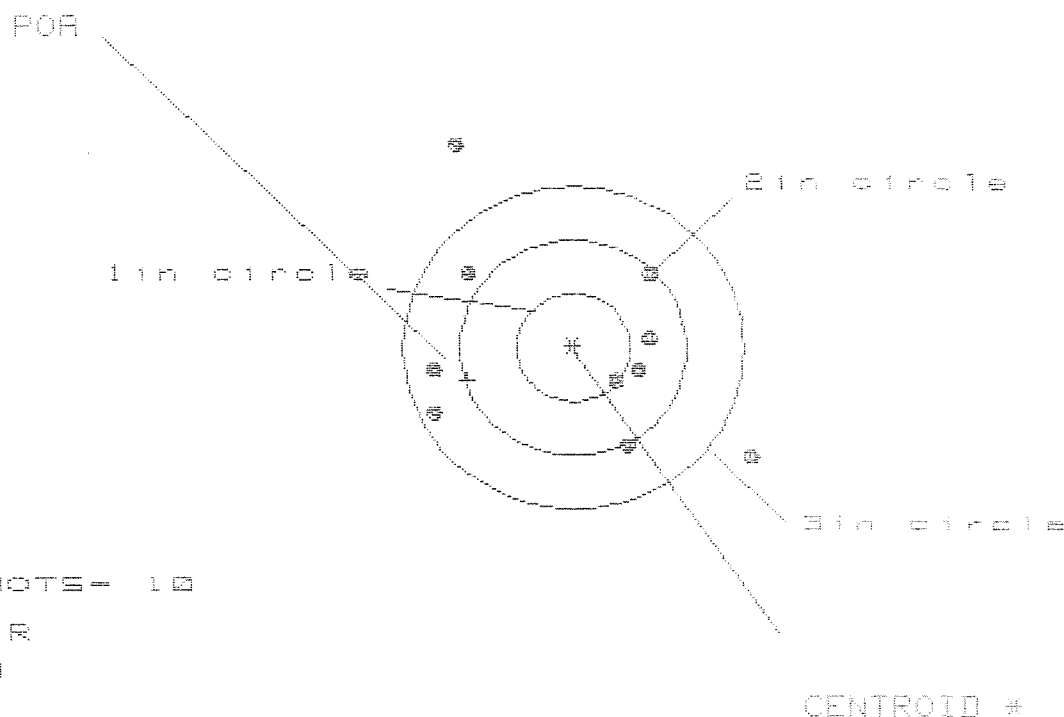
CENTROID \*

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.156  | 1.037  | .721   |
| MINIMUM X                     | -1.065 | -.664  | -.534  |
| MAXIMUM Y                     | .934   | 1.010  | .978   |
| MINIMUM Y                     | -1.082 | -1.006 | -1.038 |
| CENTROID X                    | .337   | .456   | .326   |
| CENTROID Y                    | .918   | .842   | .874   |
| POR TO CENTROID in.           | .978   | .957   | .933   |
| MIN RADIUS                    | .158   | .188   | .201   |
| MEAN RADIUS                   | .770   | .708   | .652   |
| MAX RADIUS                    | 1.264  | 1.208  | 1.122  |
| HORIZONTAL SPREAD             | 2.221  | 1.701  | 1.255  |
| VERTICAL SPREAD               | 2.016  | 2.016  | 2.016  |
| EXTREME SPREAD                | 2.440  | 2.232  | 2.232  |
| NUMBER IN ONE INCH CIRCLE =   | 4      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |        |

28 Nov 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/06225064

## CENTERFIRE PATTERNS # 2



# OF SHOTS= 10

# IN CIR

1 in = 0

2 in = 4

3 in = 8

HS= 2.748

VS= 2.855

GS= 3.859

| PATTERN #                   | : | 2      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.543  | 1.426  | .760   |
| MINIMUM X                   | : | -1.205 | -1.322 | -1.144 |
| MAXIMUM Y                   | : | 1.850  | .934   | .834   |
| MINIMUM Y                   | : | -1.005 | -.800  | -.817  |
| CENTROID X                  | : | .929   | 1.046  | .868   |
| CENTROID Y                  | : | .304   | .099   | .199   |
| POA TO CENTROID in.         | : | .978   | 1.051  | .891   |
| MIN RADIUS                  | : | .500   | .280   | .484   |
| MEAN RADIUS                 | : | 1.152  | .996   | .945   |
| MAX RADIUS                  | : | 2.129  | 1.635  | 1.254  |
| HORIZONTAL SPREAD           | : | 2.748  | 2.748  | 1.904  |
| VERTICAL SPREAD             | : | 2.855  | 1.734  | 1.651  |
| EXTREME SPREAD              | : | 3.859  | 2.999  | 2.293  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

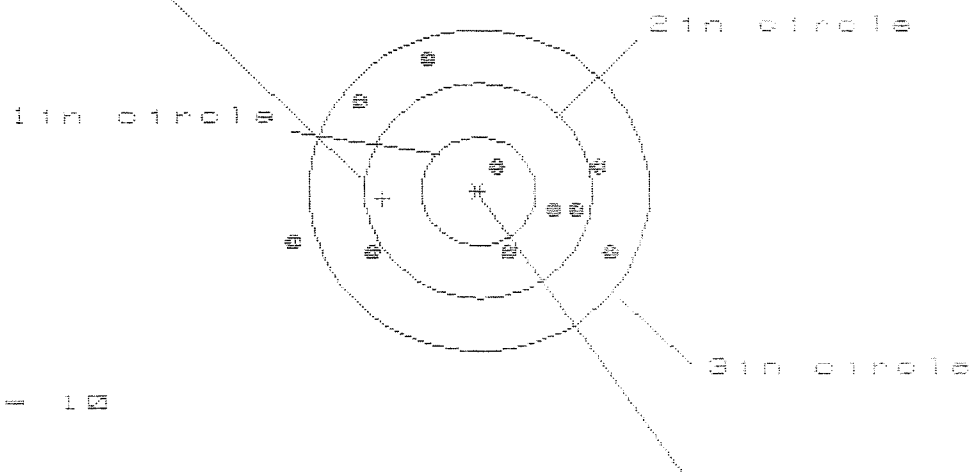
28 Nov 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/08285084

## CENTERFIRE PATTERNS

# 3

POR



# OF SHOTS = 10

# IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 2.828

VS = 1.754

GS = 2.828

CENTROID \*

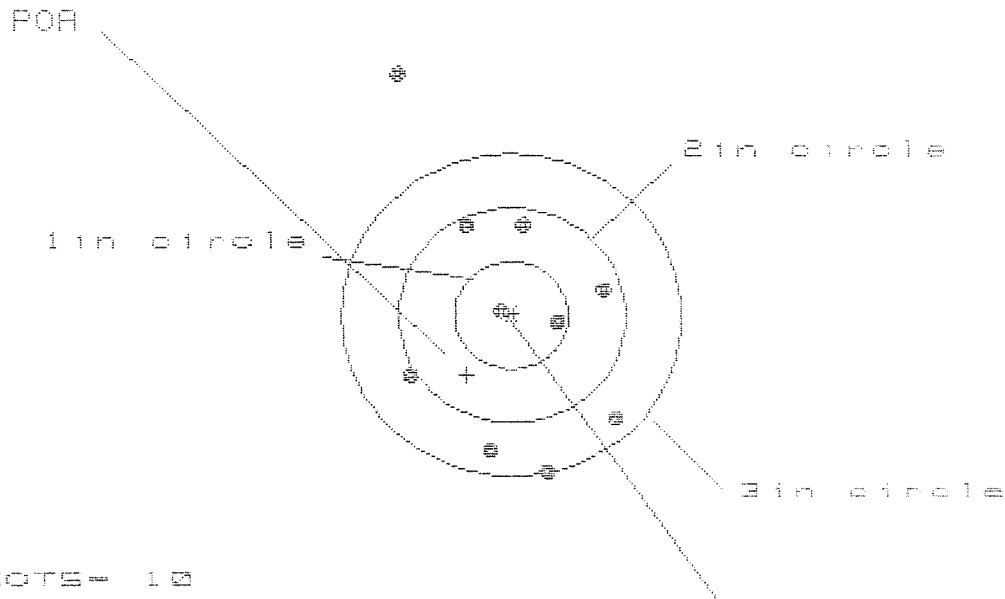
| PATTERN #                   | 3      |
|-----------------------------|--------|
| SHOTS (BEST OF)             | 10     |
| MAXIMUM X                   | 1.197  |
| MINIMUM X                   | -1.631 |
| MAXIMUM Y                   | 1.195  |
| MINIMUM Y                   | -1.558 |
| CENTROID X                  | .843   |
| CENTROID Y                  | .070   |
| POR TO CENTROID in.         | .846   |
| MIN RADIUS                  | .228   |
| MEAN RADIUS                 | 1.025  |
| MAX RADIUS                  | 1.698  |
| HORIZONTAL SPREAD           | 2.828  |
| VERTICAL SPREAD             | 1.754  |
| EXTREME SPREAD              | 2.829  |
| NUMBER IN ONE INCH CIRCLE   | 1      |
| NUMBER IN TWO INCH CIRCLE   | 4      |
| NUMBER IN THREE INCH CIRCLE | 9      |

28 Nov 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/06225084

## CENTERFIRE PATTERNS

# 4



# OF SHOTS = 10

# IN CIR

1 in = 2

2 in = 5

3 in = 9

HS = 1.897

VS = 3.752

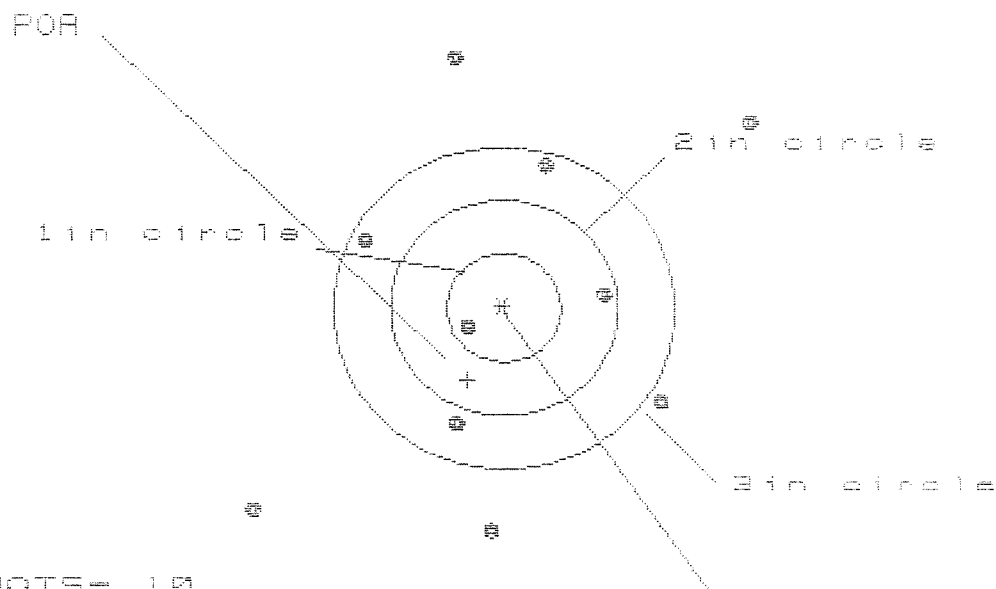
GS = 3.958

| PATTERN #                     | 4      |
|-------------------------------|--------|
| SHOTS (BEST OF)               | 10     |
| MAXIMUM X                     | .928   |
| MINIMUM X                     | -.972  |
| MAXIMUM Y                     | 2.288  |
| MINIMUM Y                     | -1.464 |
| CENTROID X                    | .396   |
| CENTROID Y                    | .556   |
| POA TO CENTROID in.           | .682   |
| MIN RADIUS                    | .142   |
| MEAN RADIUS                   | 1.085  |
| MAX RADIUS                    | 2.486  |
| HORIZONTAL SPREAD             | 1.897  |
| VERTICAL SPREAD               | 3.752  |
| EXTREME SPREAD                | 3.958  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |
| NUMBER IN TWO INCH CIRCLE =   | 5      |
| NUMBER IN THREE INCH CIRCLE = | 9      |

28 Nov 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/06225084

## CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 2

3 in = 5

HS= 4.415

VS= 4.328

GS= 5.702

CENTROID \*

| PATTERN #                   | : | 5      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 2.155  | 1.904  | 1.367  |
| MINIMUM X                   | : | -2.261 | -1.459 | -1.221 |
| MAXIMUM Y                   | : | 2.303  | 2.093  | 2.280  |
| MINIMUM Y                   | : | -2.025 | -2.235 | -2.047 |
| CENTROID X                  | : | .321   | .572   | .334   |
| CENTROID Y                  | : | .670   | .880   | .693   |
| POA TO CENTROID in.         | : | .743   | 1.050  | .769   |
| MIN RADIUS                  | : | .371   | .617   | .393   |
| MEAN RADIUS                 | : | 1.687  | 1.543  | 1.398  |
| MAX RADIUS                  | : | 2.949  | 2.425  | 2.300  |
| HORIZONTAL SPREAD           | : | 4.416  | 3.363  | 2.588  |
| VERTICAL SPREAD             | : | 4.328  | 4.328  | 4.328  |
| EXTREME SPREAD              | : | 5.702  | 4.367  | 4.343  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 5      |        |

## INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6225084

## CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .674866 |
| 1 TO | 2 | .381725 |
| 1 TO | 3 | .261174 |
| 1 TO | 4 | .202237 |
| 1 TO | 5 | .49492  |

$\frac{t_5}{g_f}$  <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1992  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.4108  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .456549

THE AMR FOR THIS RIFLE IS: .9996

## INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/08225004.1

## CENTERFIRE PATTERNS

# 1

POA

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS = 10

# IN CIR

1 in = 0

2 in = 4

3 in = 7

HS = 2.841

VS = 3.343

GS = 3.898

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | .808   | .582   | .648   |
| MINIMUM X                     | -2.033 | -.979  | -.913  |
| MAXIMUM Y                     | 1.640  | 1.479  | 1.246  |
| MINIMUM Y                     | -1.703 | -1.864 | -1.403 |
| CENTROID X                    | .220   | .446   | .380   |
| CENTROID Y                    | -.638  | -.477  | -.244  |
| POA TO CENTROID in.           | .675   | .653   | .452   |
| MIN RADIUS                    | .535   | .474   | .532   |
| MEAN RADIUS                   | 1.272  | 1.102  | .961   |
| MAX RADIUS                    | 2.497  | 1.937  | 1.545  |
| HORIZONTAL SPREAD             | 2.841  | 1.561  | 1.561  |
| VERTICAL SPREAD               | 3.343  | 3.343  | 2.649  |
| EXTREME SPREAD                | 3.898  | 3.368  | 2.689  |
| NUMBER IN ONE INCH CIRCLE =   | 0      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 4      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 7      |        |        |

## INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225084.1

## CENTERFIRE PATTERNS # 2

POR

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS = 10

# IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 2.246

VS = 2.896

GS = 3.194

| PATTERN #                   | 2      |
|-----------------------------|--------|
| SHOTS (BEST OF)             | 10     |
| MAXIMUM X                   | 1.293  |
| MINIMUM X                   | -0.953 |
| MAXIMUM Y                   | 1.393  |
| MINIMUM Y                   | -1.503 |
| CENTROID X                  | .115   |
| CENTROID Y                  | -.271  |
| POR TO CENTROID in.         | .294   |
| MIN RADIUS                  | .210   |
| MEAN RADIUS                 | 1.049  |
| MAX RADIUS                  | 1.663  |
| HORIZONTAL SPREAD           | 2.246  |
| VERTICAL SPREAD             | 2.896  |
| EXTREME SPREAD              | 3.194  |
| NUMBER IN ONE INCH CIRCLE   | 1      |
| NUMBER IN TWO INCH CIRCLE   | 5      |
| NUMBER IN THREE INCH CIRCLE | 8      |

## INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/06225054.J

## CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

# OF SHOTS= 10

# IN CIR

1in = 2

2in = 5

3in = 7

HS= 2.586

VS= 4.132

GS= 4.470

CENTROID \*

| PATTERN #                   | : | 3      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.290  | 1.489  | 1.345  |
| MINIMUM X                   | : | -1.296 | -1.177 | -1.241 |
| MAXIMUM Y                   | : | 1.863  | 1.611  | .944   |
| MINIMUM Y                   | : | -2.269 | -1.378 | -1.177 |
| CENTROID X                  | : | -.014  | -.133  | -.069  |
| CENTROID Y                  | : | -.522  | -.270  | -.471  |
| POA TO CENTROID in.         | : | .522   | .301   | .476   |
| MIN RADIUS                  | : | .360   | .443   | .370   |
| MEAN RADIUS                 | : | 1.187  | 1.034  | .923   |
| MAX RADIUS                  | : | 2.510  | 1.690  | 1.643  |
| HORIZONTAL SPREAD           | : | 2.586  | 2.586  | 2.586  |
| VERTICAL SPREAD             | : | 4.132  | 2.989  | 2.121  |
| EXTREME SPREAD              | : | 4.470  | 3.013  | 2.721  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

13 Dec 1986

FILE:/PATTERNING/CENTERFIRE\_PATT/06225084.1

## CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

# OF SHOTS= 10

# IN CIR

1 in = 2

2 in = 8

3 in = 10

HE= 2.447

VS= 1.822

GS= 2.448

CENTROID #

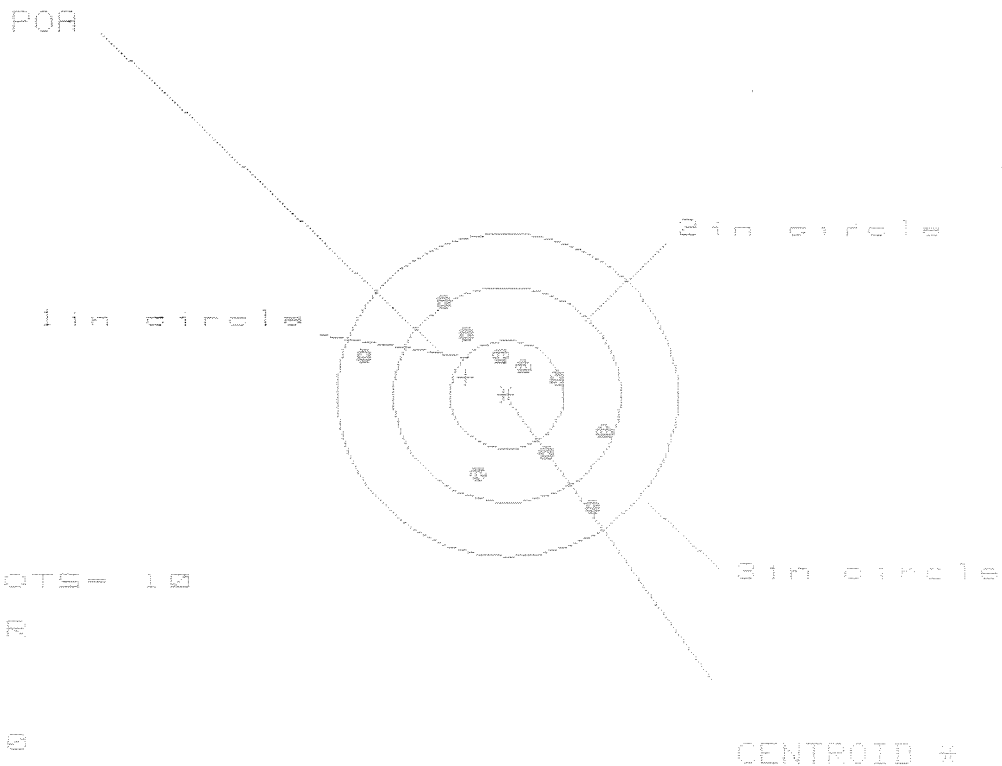
| PATTERN #                   | : | 4      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | .976   | .813  | .393  |
| MINIMUM X                   | : | -1.471 | -.763 | -.662 |
| MAXIMUM Y                   | : | .862   | .889  | .933  |
| MINIMUM Y                   | : | -.960  | -.933 | -.889 |
| CENTROID X                  | : | .316   | .479  | .378  |
| CENTROID Y                  | : | -.460  | -.487 | -.531 |
| POA TO CENTROID in.         | : | .558   | .683  | .651  |
| MIN RADIUS                  | : | .093   | .223  | .116  |
| MEAN RADIUS                 | : | .737   | .649  | .686  |
| MAX RADIUS                  | : | 1.490  | .936  | 1.012 |
| HORIZONTAL SPREAD           | : | 2.447  | 1.576 | 1.055 |
| VERTICAL SPREAD             | : | 1.822  | 1.822 | 1.822 |
| EXTREME SPREAD              | : | 2.448  | 1.853 | 1.853 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 8     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10    |       |

## INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/C62250B4.1

## CENTERFIRE PATTERNS # 5



# OF SHOTS= 10

# IN CIR

1in = 3

2in = 7

3in = 10

HS= 2.084

VS= 1.884

GS= 2.353

| PATTERN #                     | 5      | 9     | 8     |
|-------------------------------|--------|-------|-------|
| SHOTS (BEST OF)               | 10     | 9     | 8     |
| MAXIMUM X                     | .795   | .659  | .728  |
| MINIMUM X                     | -1.229 | -.660 | -.591 |
| MAXIMUM Y                     | .877   | .916  | .795  |
| MINIMUM Y                     | -1.007 | -.968 | -.806 |
| CENTROID X                    | .359   | .495  | .426  |
| CENTROID Y                    | -.163  | -.202 | -.081 |
| POA TO CENTROID in.           | .394   | .535  | .433  |
| MIN RADIUS                    | .325   | .314  | .220  |
| MEAN RADIUS                   | .753   | .680  | .604  |
| MAX RADIUS                    | 1.277  | 1.129 | .990  |
| HORIZONTAL SPREAD             | 2.024  | 1.319 | 1.319 |
| VERTICAL SPREAD               | 1.884  | 1.884 | 1.601 |
| EXTREME SPREAD                | 2.353  | 2.243 | 1.807 |
| NUMBER IN ONE INCH CIRCLE =   | 3      |       |       |
| NUMBER IN TWO INCH CIRCLE =   | 7      |       |       |
| NUMBER IN THREE INCH CIRCLE = | 10     |       |       |

## RECEIVING AND ESTIMATING REPORT

R 94-11513

|                            |                         |                                                      |                           |                   |                             |            |
|----------------------------|-------------------------|------------------------------------------------------|---------------------------|-------------------|-----------------------------|------------|
| INITIAL<br>FPS             | CUSTOMER ORDER NO.      | ATTN: FRED MARTIN<br>M24 W/ULTRA 10X-M3A SCOPE #1270 |                           |                   |                             |            |
| DATE RECEIVED<br>03/30/94  | DATE OPENED<br>03/31/94 | DATE CODE<br>DI 9-88                                 | SERIAL NUMBER<br>C6225084 | NEW SERIAL NUMBER | MODEL AND GRADE<br>700 7.62 | NATO       |
| ACCESSORIES<br>SLING STRAP |                         | W/STUDS                                              |                           | W/SWIVELS         | SOFT CASE                   | SCOPE MNTS |
| W/SCOPE BASE               |                         |                                                      |                           |                   |                             |            |

FROM:

SHIP TO:

COMMANDER  
HHC 1/506 IN  
UNIT #15147  
APO AP

COMMANDER  
HHC 1/506 IN  
UNIT #15147  
APO AP

CA 96251-0394

CA  
96251-0394

CUST NO: 095193 C.O.D.

|                                       |                    |                                |            |           |               |
|---------------------------------------|--------------------|--------------------------------|------------|-----------|---------------|
| ACCOUNT NUMBER                        | ACCOUNT NUMBER N/C | WRITE <input type="checkbox"/> | PROM. DATE | ESTIMATED | VIA<br>UPS    |
| GUN CONDITION                         |                    |                                |            |           | REPAIR CHARGE |
| <input type="checkbox"/> NEW          |                    |                                |            |           | EXCISE        |
| <input type="checkbox"/> LIGHTLY WORN |                    |                                |            |           | TAX           |
| <input type="checkbox"/> WORN         |                    |                                |            |           | INSURANCE     |
| <input type="checkbox"/> VERY WORN    |                    |                                |            |           | UPS           |
| <input type="checkbox"/> UNREPAIRABLE |                    |                                |            |           | PARCEL POST   |
| <input type="checkbox"/> MARRED       |                    |                                |            |           | TOTAL         |

| CUSTOMER CONCERN | AMMO | FUNCTION | FINISH | ACCURACY | FIT | INSPECT |
|------------------|------|----------|--------|----------|-----|---------|
| CYCLE            | A1   | B1       |        |          |     |         |
| TRIGGER GROUP    |      | B2       |        |          | E1  | F1      |
| BOLT ASSY.       |      | B3       |        |          | E2  | F2      |
| BARREL ASSY.     |      | B4       |        | D1       | E3  | F3      |
| REC. ASSY.       |      | B5       |        | D2       | E4  | F4      |
| WOOD             |      |          | C1     | D3       | E5  | F5      |
| METAL            |      |          | C2     |          |     |         |

MAIN FAULT Bolt Stop Release Broken, Sling Damaged  
Carrying Case Zipper Broken, Front Swivel Missing

|                                         |                                                                                                                                                  |                |                |                |                |         |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|---------|
| PARTS                                   | COMMENTS                                                                                                                                         |                |                |                |                |         |
| Barrel - 96003<br>Carrying Case - 96026 | Re-Zinc - Scope Base Scope<br>Rings Swivels & Swivel Studs.<br>Repowder Coat - Floor plate, Inter<br>Trigger Guard, Front & Rear<br>Sight Bases! |                |                |                |                |         |
| W55H09 4074 H226                        | REPAIRMAN<br>RW                                                                                                                                  | PROOF<br>✓     | CLEAN<br>✓     | TEST<br>✓      | TARGET<br>✓    | PATTERN |
|                                         | GALLERY TESTER<br>RW                                                                                                                             | DATE<br>4/4/94 | DATE<br>5/2/94 | DATE<br>5/3/94 | DATE<br>5/3/94 | DATE    |

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

BARBER - M24 M2400180151

## Final Inspection

In: C6225084 DATE REC'D: 3/30/94 DATE RET'D: 5/4/94  
 Auditor: RW

Item:

Barrel Assy.

- ☒ BARREL
- ☒ RECEIVER
- ☒ FRONT SIGHT BLOCK
- ☒ REAR SIGHT BLOCK
- ☒ SCREWS
- ☒ FINISH

Scope Assy.

- ☒ Scope
- ☒ Scope Rings
- ☒ MOUNTING SCREWS
- ☒ MOUNTING BASE
- ☒ SCREWS
- ☒ FINISH
- ☒ LOOSENESS
- ☒ CLARITY

Misc.

- ☐ DD-250
- ☐ BAR CODE
- ☐ PACKAGING

Item:

Stock Assy.

- ☒ STOCK
- ☒ SLING SWIVEL STUDS
- ☒ ADJUSTABLE BUTT PLATE
- ☒ LOCK NUTS
- ☒ BARREL CLEARANCE
- ☒ COLOR/FINISH

Systems Case

- ☐ Scope Case
- ☐ IRON SIGHTS
- ☐ Deployment Kit

Trigger

- ☒ SAFETY OPERATION
- ☒ SET

Comments: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

| <u>QTY</u> | <u>ITEM</u>              |
|------------|--------------------------|
| 1          | M24 SWS SN:C6225084      |
| 1          | SOFT CASE                |
| 1          | TM 9-1005-306-10         |
| 1          | MEMORANDUM               |
| 1          | COPY 2-5 of DA Form 5504 |

A large, stylized handwritten signature in black ink, appearing to read 'L. Matz, Jr.', is written over the typed name.

LEONARD H. MATZ, JR.  
CPT, IN

BATTALION ADJUTANT

COMMANDER

HHC 1/506 IN

UNIT # 15147

CAMP GREAVES, KOREA

APO AP 96251-0394

ADDRESS  
verse side?

| United States Postal Service                                                             |                                           | No. 853566                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FROM Expéditeur</b><br>Commander<br>HHC, Y506 IN<br>Unit # 15147<br>APO AP 96251-0394 |                                           | <b>Sender's Instructions</b><br><b>if parcel is undeliverable:</b><br>Dispositions de l'expéditeur<br>En cas de non-livraison<br><input checked="" type="checkbox"/> Return to sender<br>Renvoyer à l'origine<br>(NOTE: Parcel will be returned by surface and at sender's expense.)<br><input type="checkbox"/> Forward to: Réexpédié à<br><br><input type="checkbox"/> Abandon Abandonné |
| <b>TO Destinataire</b><br>Remington Arms, Co.<br>14 Hoefler Ave<br>Ilion, NY. 13357      |                                           |                                                                                                                                                                                                                                                                                                                                                                                            |
| QTY.                                                                                     | Itemized List of Contents<br>Please Print | VALUE<br>(US \$)                                                                                                                                                                                                                                                                                                                                                                           |
| 1                                                                                        | M24 SN: C6225084                          | 5450.00                                                                                                                                                                                                                                                                                                                                                                                    |
| 1                                                                                        | Soft Case                                 |                                                                                                                                                                                                                                                                                                                                                                                            |
| 1                                                                                        | TM 9-1005-306-10                          |                                                                                                                                                                                                                                                                                                                                                                                            |
| 1                                                                                        | Memorandum                                |                                                                                                                                                                                                                                                                                                                                                                                            |
| 1                                                                                        | Copy 2-5 of DA Form 5504                  |                                                                                                                                                                                                                                                                                                                                                                                            |
| Signature of Sender<br><i>[Signature]</i>                                                |                                           | Date<br>23 MAR 94                                                                                                                                                                                                                                                                                                                                                                          |
| Insured No. / Numéro d'assurance<br>R 725 026 042                                        |                                           | Weight/Poids<br>34 lbs. 4 ozs.                                                                                                                                                                                                                                                                                                                                                             |
| Insured Amount (US\$)<br>5,450.00                                                        | Gold Francs<br>—                          | SDR/DTS<br>—                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                          |                                           | Postage<br>\$47.35                                                                                                                                                                                                                                                                                                                                                                         |

PS Form 2966-A, June 1986 Parcel Post Customs Declaration  
C2/CP3 Colis de Poste Déclaration en Douane

DEPARTMENT OF THE ARMY  
HHC, 1st Battalion, 506th Infantry (CURRAHEE)  
Unit # 15144  
APO AP 96215-8125

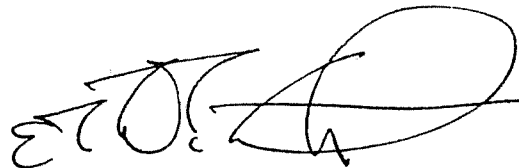
EAID-IA-HC

16 March 1994

MEMORANDUM FOR: PERSONNEL CONCERNED

SUBJECT: M-24 SNIPER WEAPON SYSTEM (SWS) WARRANTEE REPAIR

1. THE ENCLOSED M24 SWS, SERIAL NUMBER C622S084, IS BEING SENT TO YOU FOR REPAIR. THE DEFICIENCIES ARE NOTED OF THE ENCLOSED DA FORM 5504. THE FOLLOWING ITEMS ARE NO LONGER ON HAND HERE AT THE UNIT. PREVENTING US FROM SHIPPING THEM ALONG WITH THE WEAPON: DEPLOYMENT CASE, DAY OPTIC SIGHT CASE AND DEPLOYMENT KIT.
2. POC: 1LT DOVALE, EXECUTIVE OFFICER. DUTY PHONE: 734-8127



MAX L. KUHNS, JR  
CPT, IN  
COMMANDING

ENCLOSURES:

M24 SNIPER WEAPON SYSTEM WITH DAY OPTIC SIGHT SCOPE  
SOFT CASE  
TM 9-1005-306-10 (JUNE 1989)  
DA FORM 5504 COPY 2-4  
MEMORANDUM FROM COMMANDER, HHC, 1/506 IN

*Shipped 12/88*



CONTRACT # DAAA21-87-C-0086

New Barrel

GUN SERIAL # C6225084

| OP. #        | OP. NAME                                                       | READINGS | DATE   | INITIAL |
|--------------|----------------------------------------------------------------|----------|--------|---------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 4/4/94 | RW      |
| 600          | Proof                                                          |          | 4/4/94 | RW      |
| 607          | Check Headspace                                                |          | 4/4/94 | RW      |
| 610          | Dis-assemble Gun                                               |          | 4/4/94 | RW      |
| 612          | Magnaflux Barrel<br>Action                                     |          |        |         |
|              | Magnaflux Bolt                                                 |          |        |         |
| 615          | Rollmark Caliber                                               |          |        |         |
| 617          | Drill and Tap Sight Holes                                      |          |        |         |
| 618          | Polish Barrel                                                  |          |        |         |
| 620          | Apply Coatings<br>(Barrel Action)                              |          |        |         |
|              | Apply Coating (Bolt)                                           |          |        |         |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 5/2/94 | RW      |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 5/2/94 | RW      |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 5/2/94 | RW      |
|              | D) Oil Firing Pin Ass'y                                        |          | 5/2/94 | RW      |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          |        |         |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE   | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|--------|------|
| 625<br>cont. | F) Safety On Force                                          |          |      |      |      |      |        |      |
|              | G) Safety Off Force                                         |          |      |      |      |      |        |      |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      |        |      |
|              | I) Firing Pin Indent                                        |          |      |      |      |      |        |      |
|              | J) Assemble Stock                                           |          |      |      |      |      |        |      |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      |        |      |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      |        |      |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      |        |      |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      |        |      |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      |        |      |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      |        |      |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 5/3/94 | RW   |
|              | A) Time                                                     |          |      |      |      |      |        |      |
|              | B) Malfunctions                                             |          |      |      |      |      |        |      |
|              | C) Pierced Primers                                          |          |      |      |      |      |        |      |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      |        |      |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 5/3/94 | RW   |
| 655          | Final Inspection                                            |          |      |      |      |      |        |      |
|              | A) Headspace                                                |          |      |      |      |      | 5/3/94 | RW   |
|              | B) Trigger Pull                                             | 2.10     | 2.33 | 2.43 | 2.46 | 2.45 | 5/3/94 | RW   |
|              | C) Function                                                 |          |      |      |      |      | 5/3/94 | RW   |
| 660          | Pack                                                        |          |      |      |      |      |        |      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6225084  
18 May 1994

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .104062 |
| 1 TO | 2 | .368828 |
| 1 TO | 3 | .40753  |
| 1 TO | 4 | .371303 |
| 1 TO | 5 | .289415 |

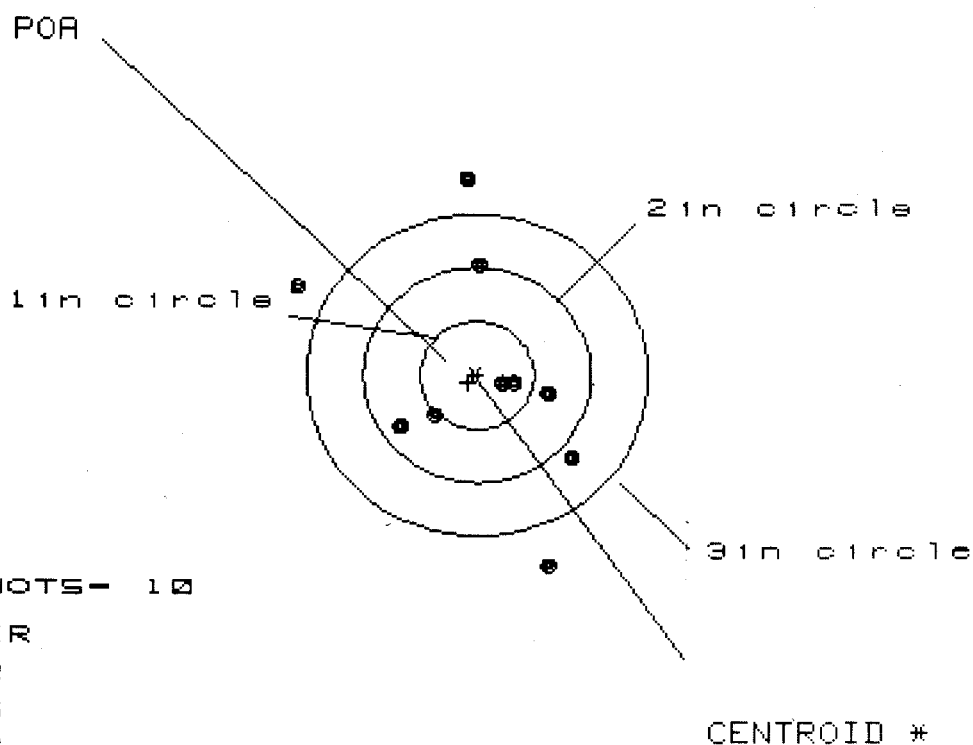
$\frac{3}{45}$  <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS:  $-.0344$   
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS:  $-.065$   
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS:  $.0735416$   
  
THE AMR FOR THIS RIFLE IS:  $1.148$

18 May 1994

FILE:/PATTERNING/CENTERFIRE\_PATT/C62250B4

## CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 5

3in = 7

HS= 2.338

VS= 3.632

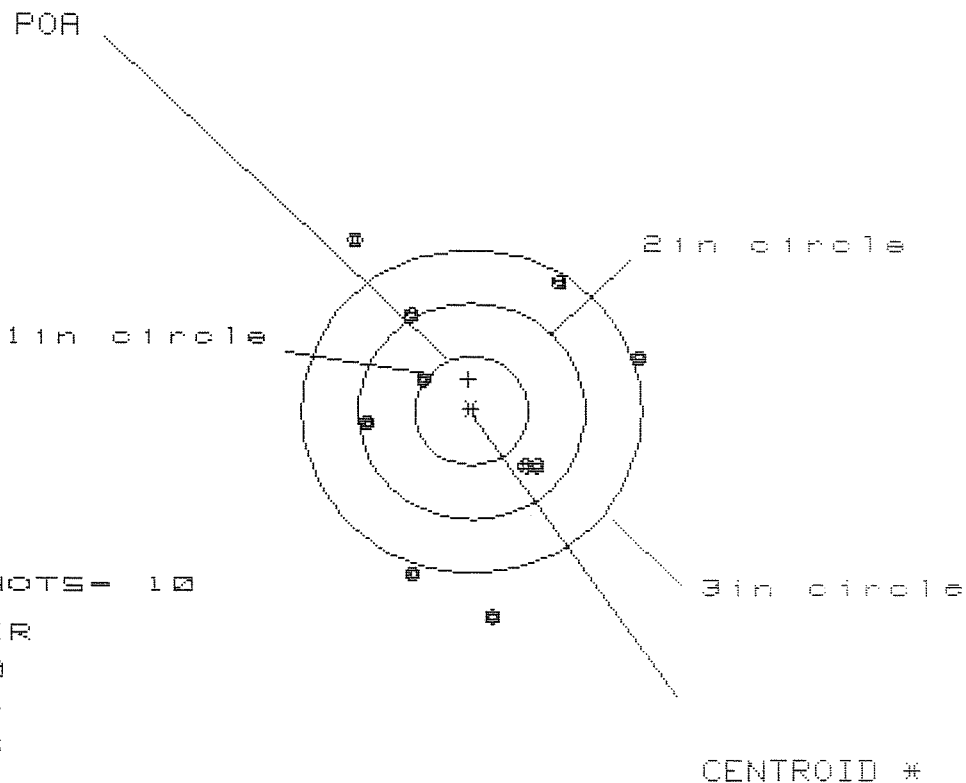
GS= 3.716

| PATTERN #                   | : | 1      | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .803   | .877   | .872   |
| MINIMUM X                   | : | -1.535 | -1.461 | -1.466 |
| MAXIMUM Y                   | : | 1.831  | 1.631  | 1.066  |
| MINIMUM Y                   | : | -1.801 | -.954  | -.750  |
| CENTROID X                  | : | .077   | .003   | .008   |
| CENTROID Y                  | : | .070   | .270   | .066   |
| POA TO CENTROID in.         | : | .104   | .270   | .066   |
| MIN RADIUS                  | : | .291   | .463   | .354   |
| MEAN RADIUS                 | : | 1.026  | .960   | .824   |
| MAX RADIUS                  | : | 1.920  | 1.632  | 1.700  |
| HORIZONTAL SPREAD           | : | 2.338  | 2.338  | 2.338  |
| VERTICAL SPREAD             | : | 3.632  | 2.585  | 1.816  |
| EXTREME SPREAD              | : | 3.716  | 2.839  | 2.839  |
| NUMBER IN ONE INCH CIRCLE   | = | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 7      |        |        |

18 May 1994

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225004

## CENTERFIRE PATTERNS # 2



# OF SHOTS= 10

# IN CIR

1 in = 0

2 in = 4

3 in = 6

HS= 2.476

VS= 3.509

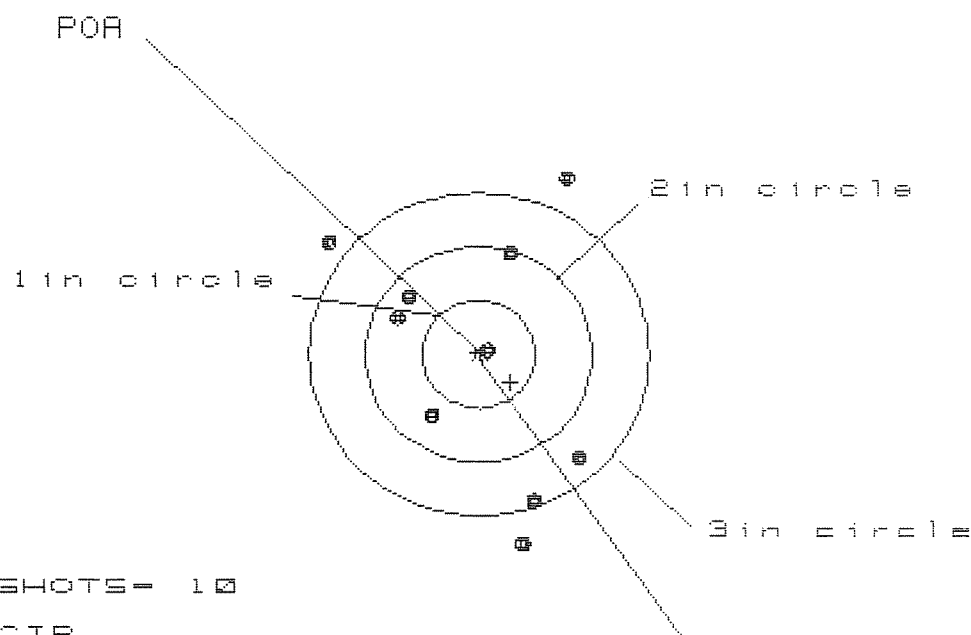
GS= 3.688

| PATTERN #                   | : | 2      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.489  | 1.379  | 1.384  |
| MINIMUM X                   | : | -.987  | -1.021 | -1.016 |
| MAXIMUM Y                   | : | 1.631  | 1.403  | 1.191  |
| MINIMUM Y                   | : | -1.878 | -1.697 | -1.563 |
| CENTROID X                  | : | .024   | .134   | .129   |
| CENTROID Y                  | : | -.295  | -.476  | -.264  |
| POA TO CENTROID in.         | : | .296   | .495   | .294   |
| MIN RADIUS                  | : | .544   | .527   | .622   |
| MEAN RADIUS                 | : | 1.243  | 1.156  | 1.080  |
| MAX RADIUS                  | : | 1.906  | 1.697  | 1.701  |
| HORIZONTAL SPREAD           | : | 2.476  | 2.400  | 2.400  |
| VERTICAL SPREAD             | : | 3.509  | 3.100  | 2.754  |
| EXTREME SPREAD              | : | 3.688  | 3.155  | 3.045  |
| NUMBER IN ONE INCH CIRCLE   | = | 0      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 4      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 6      |        |        |

18 May 1994

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225084

## CENTERFIRE PATTERNS # 3



# OF SHOTS = 10

# IN CIR

1 in = 1

2 in = 5

3 in = 7

HS = 2.186

VS = 3.399

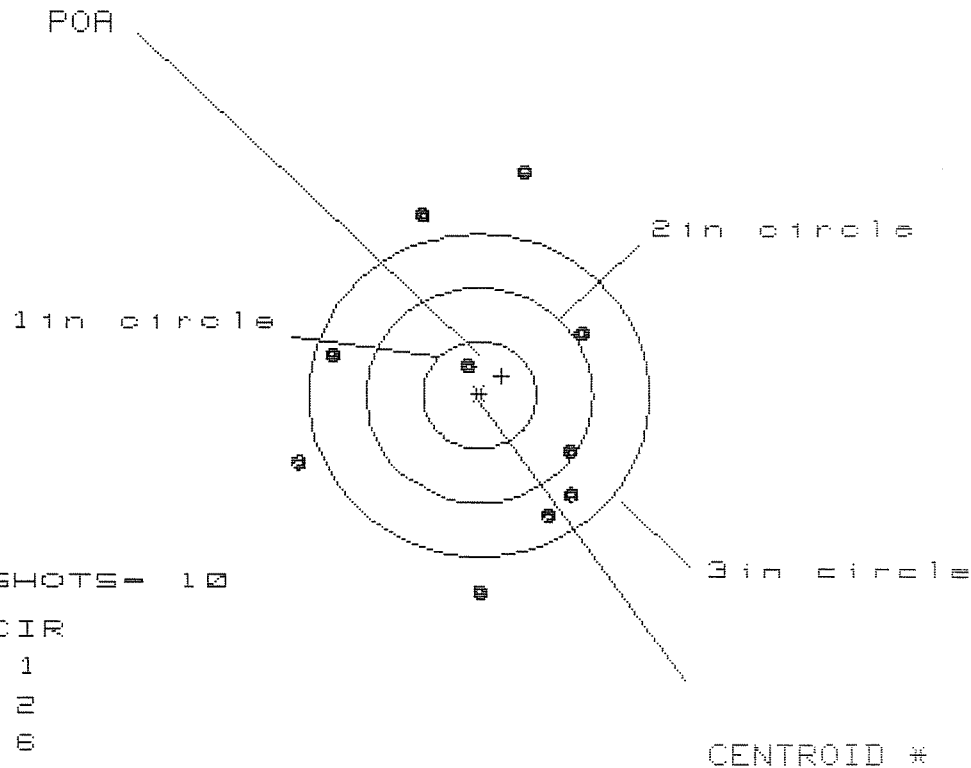
GS = 3.419

| PATTERN #                   | : | 3      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .892   | .977   | 1.037  |
| MINIMUM X                   | : | -1.294 | -1.209 | -1.149 |
| MAXIMUM Y                   | : | 1.660  | 1.213  | 1.018  |
| MINIMUM Y                   | : | -1.739 | -1.554 | -1.367 |
| CENTROID X                  | : | -.283  | -.368  | -.428  |
| CENTROID Y                  | : | .261   | .076   | .271   |
| POA TO CENTROID in.         | : | .385   | .376   | .506   |
| MIN RADIUS                  | : | .113   | .313   | .233   |
| MEAN RADIUS                 | : | 1.129  | 1.054  | .950   |
| MAX RADIUS                  | : | 1.828  | 1.712  | 1.536  |
| HORIZONTAL SPREAD           | : | 2.186  | 2.186  | 2.186  |
| VERTICAL SPREAD             | : | 3.399  | 2.767  | 2.386  |
| EXTREME SPREAD              | : | 3.419  | 3.240  | 2.974  |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 7      |        |        |

18 May 1994

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225004

## CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 2

3 in = 6

HS= 2.527

VS= 3.820

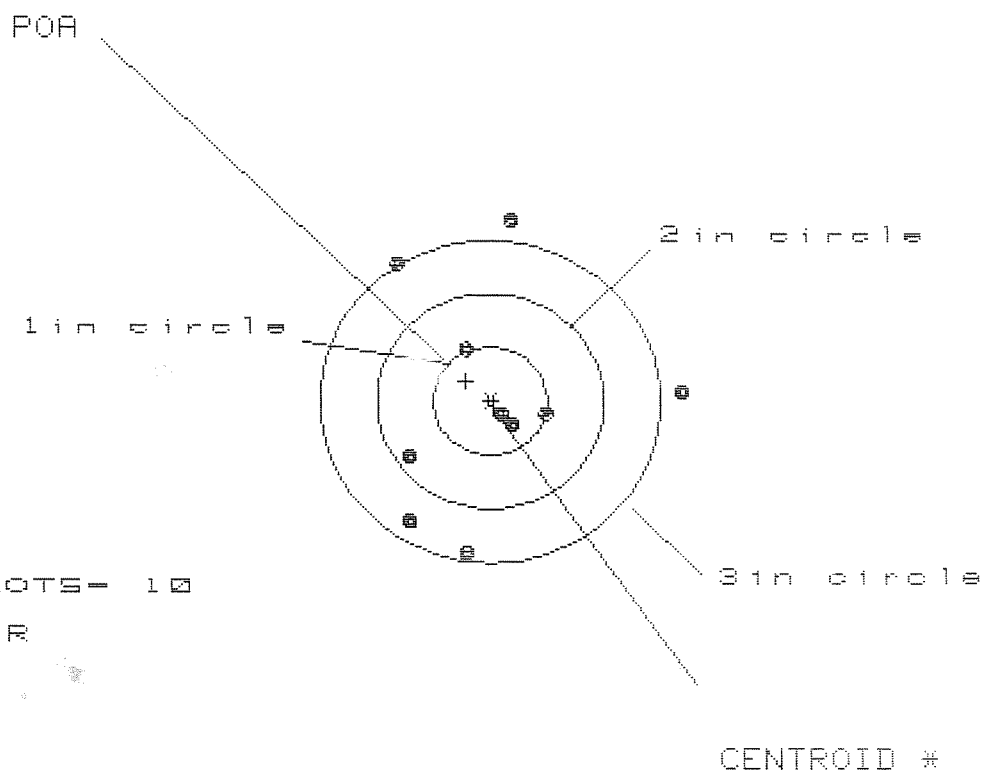
GS= 3.840

| PATTERN #                   | : | 4      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .950   | .990   | .991   |
| MINIMUM X                   | : | -1.577 | -1.537 | -1.536 |
| MAXIMUM Y                   | : | 2.026  | 1.929  | 1.732  |
| MINIMUM Y                   | : | -1.794 | -1.569 | -1.138 |
| CENTROID X                  | : | -.202  | -.242  | -.243  |
| CENTROID Y                  | : | -.175  | -.400  | -.203  |
| POA TO CENTROID in.         | : | .267   | .467   | .317   |
| MIN RADIUS                  | : | .320   | .524   | .333   |
| MEAN RADIUS                 | : | 1.349  | 1.261  | 1.207  |
| MAX RADIUS                  | : | 2.057  | 1.977  | 1.786  |
| HORIZONTAL SPREAD           | : | 2.527  | 2.527  | 2.527  |
| VERTICAL SPREAD             | : | 3.820  | 3.498  | 2.870  |
| EXTREME SPREAD              | : | 3.840  | 3.526  | 3.059  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 6      |        |

18 May 1994

FILE:/PATTERNING/CENTERFIRE\_PATT/06225064

## CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1 in = 3

2 in = 5

3 in = 7

HS= 2.480

VS= 3.062

GS= 3.098

CENTROID #

| PATTERN #                   | : | 5      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.645  | 1.670  | .763   |
| MINIMUM X                   | : | -.836  | -.810  | -.601  |
| MAXIMUM Y                   | : | 1.657  | 1.499  | 1.527  |
| MINIMUM Y                   | : | -1.405 | -1.221 | -1.193 |
| CENTROID X                  | : | .212   | .186   | -.023  |
| CENTROID Y                  | : | -.186  | -.370  | -.398  |
| POA TO CENTROID in.         | : | .281   | .414   | .398   |
| MIN RADIUS                  | : | .119   | .147   | .342   |
| MEAN RADIUS                 | : | .991   | .898   | .823   |
| MAX RADIUS                  | : | 1.673  | 1.703  | 1.641  |
| HORIZONTAL SPREAD           | : | 2.480  | 2.480  | 1.364  |
| VERTICAL SPREAD             | : | 3.062  | 2.720  | 2.720  |
| EXTREME SPREAD              | : | 3.098  | 2.789  | 2.785  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |