

66749166

**M/24 7.62 NATO S.W.S.  
BOLT ACTION CENTERFIRE RIFLE  
24" BARREL WITH MARS RAIL  
COMPLETE SYSTEM - LE/EXPORT**

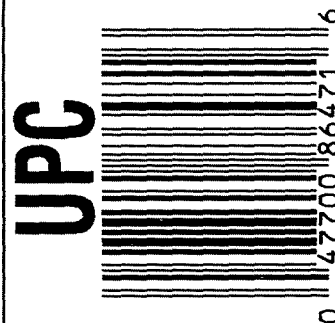
98606 - M-24 OPERATORS MANUAL  
96229 - SWS SLING STRAP ASSEMBLY  
96117 - TRS BI POD ASSB  
96082 SCOPE RING ASSEMBLY  
400061 SCOPE RING ASSEMBLY 306-09

**BM FORM 1692**



|               |              |
|---------------|--------------|
| ORDER NO.     | <b>86471</b> |
| BARREL LENGTH | <b>24"</b>   |
| CAPACITY      | <b>6</b>     |

**G6749166**



## INSPECTION CHECKLIST-NEW GUNS

GUN SERIAL # G6749166

| OP # | OPERATION NAME                                                                                                                         | READINGS             | DATE    | INITIAL     |
|------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------|-------------|
| 420  | ASSEMBLE ACTION                                                                                                                        |                      | 6-12-08 | RP          |
| 430  | ASSEMBLE TO STOCK                                                                                                                      |                      | 6-13-08 | SP          |
| 440  | PROOF                                                                                                                                  |                      | 6-13-08 | SD          |
| 460  | CHECK HEADSPACE                                                                                                                        |                      | 6-13-08 | SD          |
| 470  | DIS-ASSEMBLE ACTION                                                                                                                    | MAGNA - FLUX         | 6-13-08 | RP          |
| 472  | SERIALIZE BOLT HANDLE                                                                                                                  |                      | 6-16-08 | RP          |
| 475  | DRILL AND TAP<br>SIGHT HOLES                                                                                                           | 2008                 | 6-17-08 | SP          |
| 480  | MAGNAFLUX BBL ACTION                                                                                                                   | OPERATOR <i>unus</i> | 6-18-08 | <i>unus</i> |
| 490  | MAGNAFLUX BOLT                                                                                                                         |                      |         |             |
| 500  | ROLLMARK CALIBER                                                                                                                       |                      | 6/18/08 | RP          |
| 520  | GOFF BLAST BBL / REC                                                                                                                   |                      | 6/18/08 | RP          |
| 542  | APPLY COATINGS<br>(BARREL ACTION)                                                                                                      |                      | 6/19/08 | <i>unus</i> |
| 545  | (BOLT)                                                                                                                                 |                      |         |             |
| 560  | RE-ASSEMBLE ACTION                                                                                                                     |                      | 6/19/08 | RP          |
|      | A) CLEAN INSIDE OF<br>BOLT ASSEMBLY                                                                                                    |                      |         |             |
|      | B) INSPECT REAR FIRING<br>PIN HOLE FOR CHAMFER<br>IN BOLT HEAD                                                                         |                      | 6/19/08 | RP          |
|      | C) INSPECT EJECTOR<br>HOLE FOR CHAMFER                                                                                                 |                      | 6/19/08 | RP          |
|      | D) OIL FIRING PIN ASSEMBLY                                                                                                             |                      | 6-24-08 | ESN         |
|      | E) ADJUST TRIGGER PULL<br>TO MIN. SETTING AND<br>STAKE <span style="border: 1px solid black; padding: 2px;">2.50 LBS +/- .5 LBS</span> |                      |         |             |

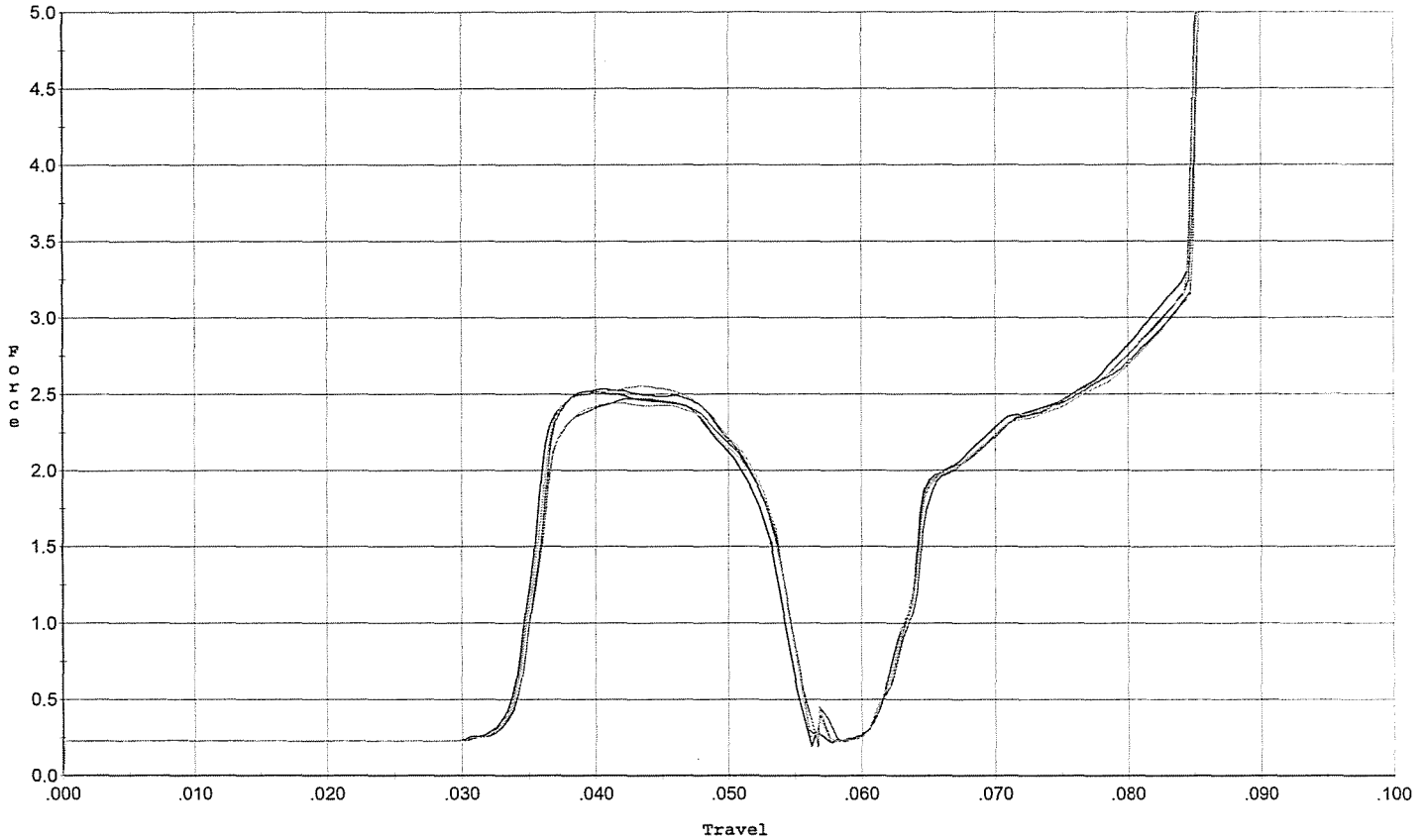
F004 REV 5/2006

|              |                                                                       |                                           |                      |                       |                      |            |         |     |
|--------------|-----------------------------------------------------------------------|-------------------------------------------|----------------------|-----------------------|----------------------|------------|---------|-----|
| 560          | F) SAFETY ON FORCE                                                    | 2 LBS MIN<br>10 LBS MAX                   | <u>7<sup>9</sup></u> | <u>6<sup>75</sup></u> | <u>7<sup>9</sup></u> | 6-26-08    | RTZ     |     |
| CONT.        |                                                                       |                                           |                      |                       |                      |            |         |     |
|              | G) SAFETY OFF FORCE                                                   | 2 LBS MIN                                 | <u>4<sup>9</sup></u> | <u>4<sup>9</sup></u>  | <u>4<sup>9</sup></u> | 6-26-08    | RTZ     |     |
|              | H) TRIGGER PULL TEST<br>AND RETAINABILITY                             |                                           |                      |                       |                      |            |         |     |
|              | I) FIRING PIN INDENT                                                  | .020 MIN                                  | <u>022</u>           | <u>022</u>            | <u>022</u>           | 6-26-08    | RTZ     |     |
|              | J) ASSEMBLE STOCK                                                     |                                           |                      |                       |                      | 6-27-08    | PSW     |     |
|              | K) ASSEMBLE SWIVEL<br>STUDS                                           |                                           |                      |                       |                      | 6-27-08    | PSW     |     |
|              | L) ATTACH FRONT AND<br>REAR SIGHT ASSY'S                              |                                           |                      |                       |                      | 6-27-08    | PSW     |     |
|              | M) IRON SIGHT<br>ALIGNMENT                                            |                                           |                      |                       |                      | 6-27-08    | PSW     |     |
|              | N) DETACH FRONT AND<br>REAR SIGHTS AND PLACE<br>IN NUMBERED CONTAINER |                                           |                      |                       |                      | 6-27-08    | PSW     |     |
| 640 &<br>650 | FUNCTION TEST AND<br>TARGET                                           |                                           | <u>PASS</u>          | FAIL                  |                      |            |         |     |
|              |                                                                       |                                           | <u>PASS</u>          | FAIL                  |                      | 6-26-08    | TRW     |     |
|              | MALFUNCTION                                                           |                                           | N/A                  |                       |                      |            |         |     |
|              |                                                                       | CORRECTION                                |                      |                       |                      |            |         |     |
|              | MALFUNCTION                                                           |                                           |                      |                       |                      |            |         |     |
|              |                                                                       | CORRECTION                                |                      |                       |                      |            |         |     |
|              | MALFUNCTION                                                           |                                           | N/A                  |                       |                      |            |         |     |
|              |                                                                       | CORRECTION                                |                      |                       |                      |            |         |     |
|              | MALFUNCTION                                                           |                                           | N/A                  |                       |                      |            |         |     |
|              |                                                                       | CORRECTION                                |                      |                       |                      |            |         |     |
| 660          | INSPECT FOR LIVE AMMO                                                 |                                           |                      |                       |                      | 6-26-08    | CHS     |     |
| 670          | FINAL INSPECTION<br>A) HEADSPACE                                      |                                           |                      |                       |                      | 6-27-08    | PSW     |     |
|              | B) TRIGGER PULL                                                       | +/- .5 LBS<br>MIN 2.50 LBS<br>MAX 4.0 LBS | <u>255</u>           | <u>250</u>            | <u>246</u>           | <u>246</u> | 6-26-08 | RTZ |
|              | C) FUNCTION                                                           |                                           |                      |                       |                      |            |         |     |
| 690          | PACK                                                                  |                                           |                      |                       |                      | 6/30/08    | RP      |     |

# Trigger Profile [ lbs,inch ]

**Profile:** SWS  
**GunType:** Rifle  
**Make:** Remington  
**Note:** R. Putch 5/28/08

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



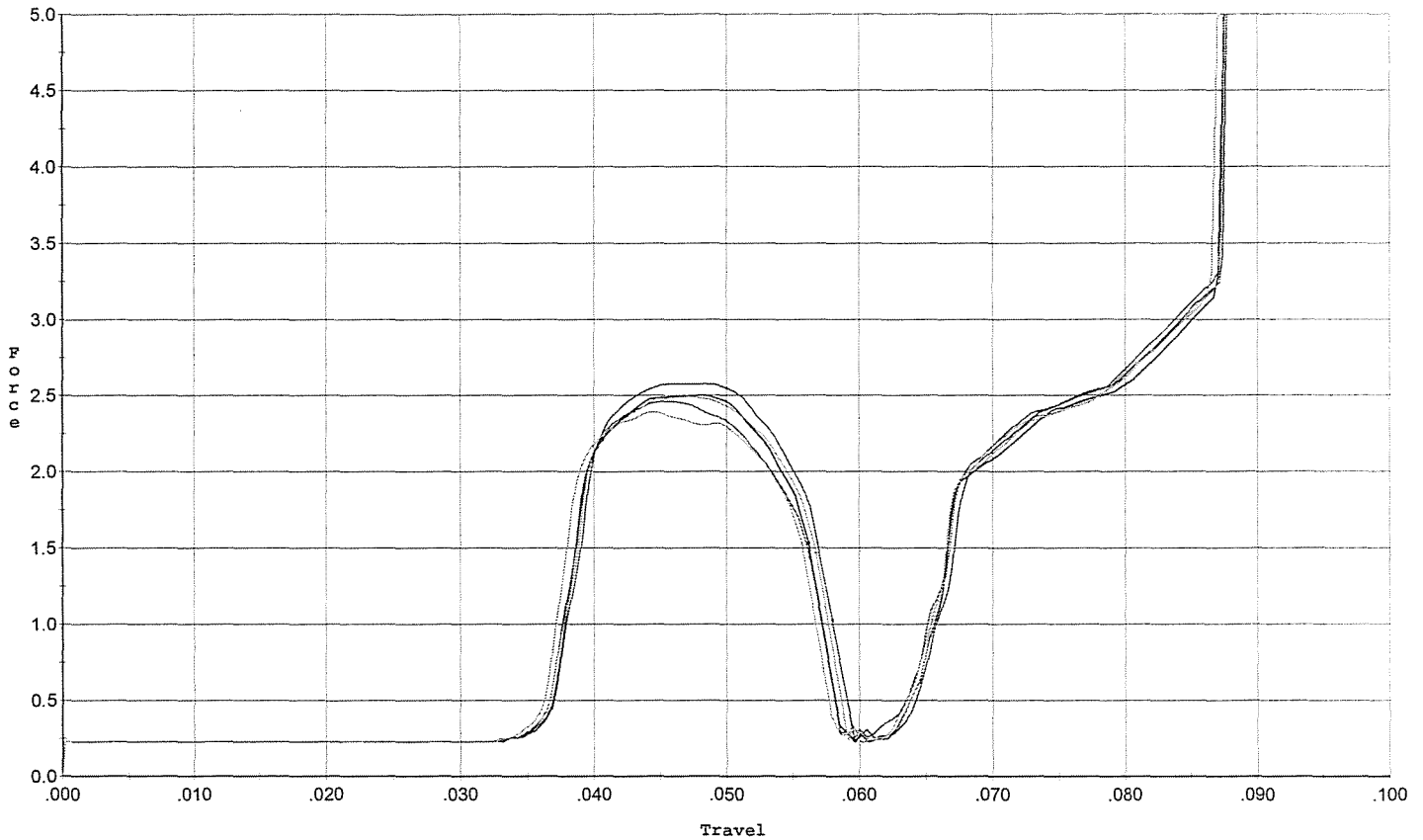
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.536      | 0.054             | 0.034           | 0.036      | 0.051             |           | Set Trigger |
| 2 | 2.516      | 0.053             | 0.033           | 0.036      | 0.050             |           | Set Trigger |
| 3 | 2.469      | 0.054             | 0.034           | 0.036      | 0.050             |           | Set Trigger |
| 4 | 2.442      | 0.054             | 0.034           | 0.036      | 0.050             |           | Set Trigger |
| 5 | 2.552      | 0.054             | 0.034           | 0.036      | 0.052             |           | Set Trigger |

AVG 2.50

# Trigger Profile [ lbs,inch ]

**Profile:** SWS  
**GunType:** Rifle  
**Make:** Remington  
**Note:** R. Putch 5/28/08

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



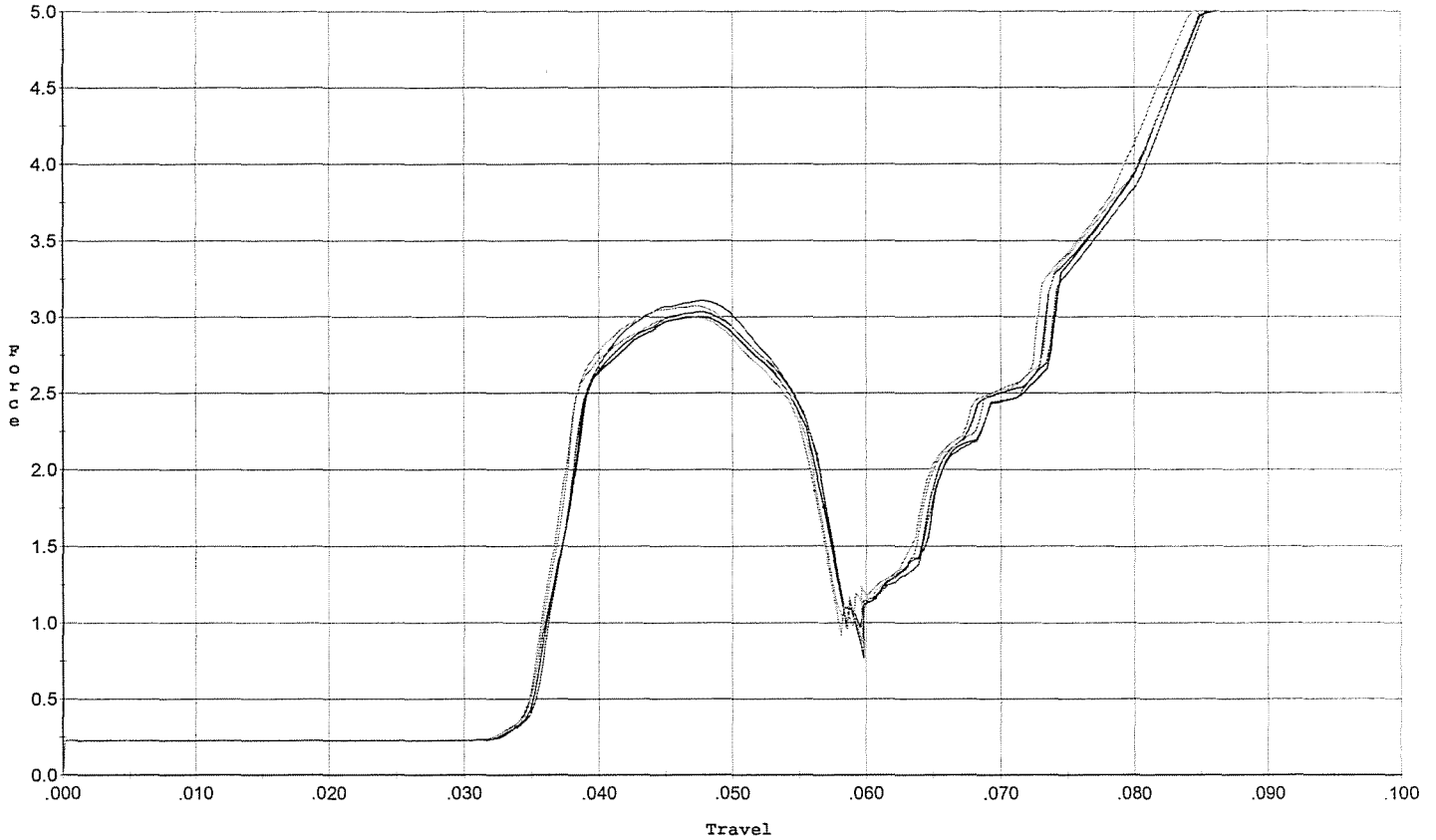
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.577      | 0.058             | 0.037           | 0.037      | 0.054             |           | Set Trigger |
| 2 | 2.501      | 0.056             | 0.037           | 0.037      | 0.050             |           | Set Trigger |
| 3 | 2.461      | 0.056             | 0.037           | 0.037      | 0.049             |           | Set Trigger |
| 4 | 2.504      | 0.057             | 0.036           | 0.037      | 0.051             |           | Set Trigger |
| 5 | 2.393      | 0.056             | 0.036           | 0.037      | 0.049             |           | Set Trigger |

Avg 2.48

# Trigger Profile [ lbs,inch ]

**Profile:** SWS  
**GunType:** Rifle  
**Make:** Remington  
**Note:** R. Putch 5/28/08

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



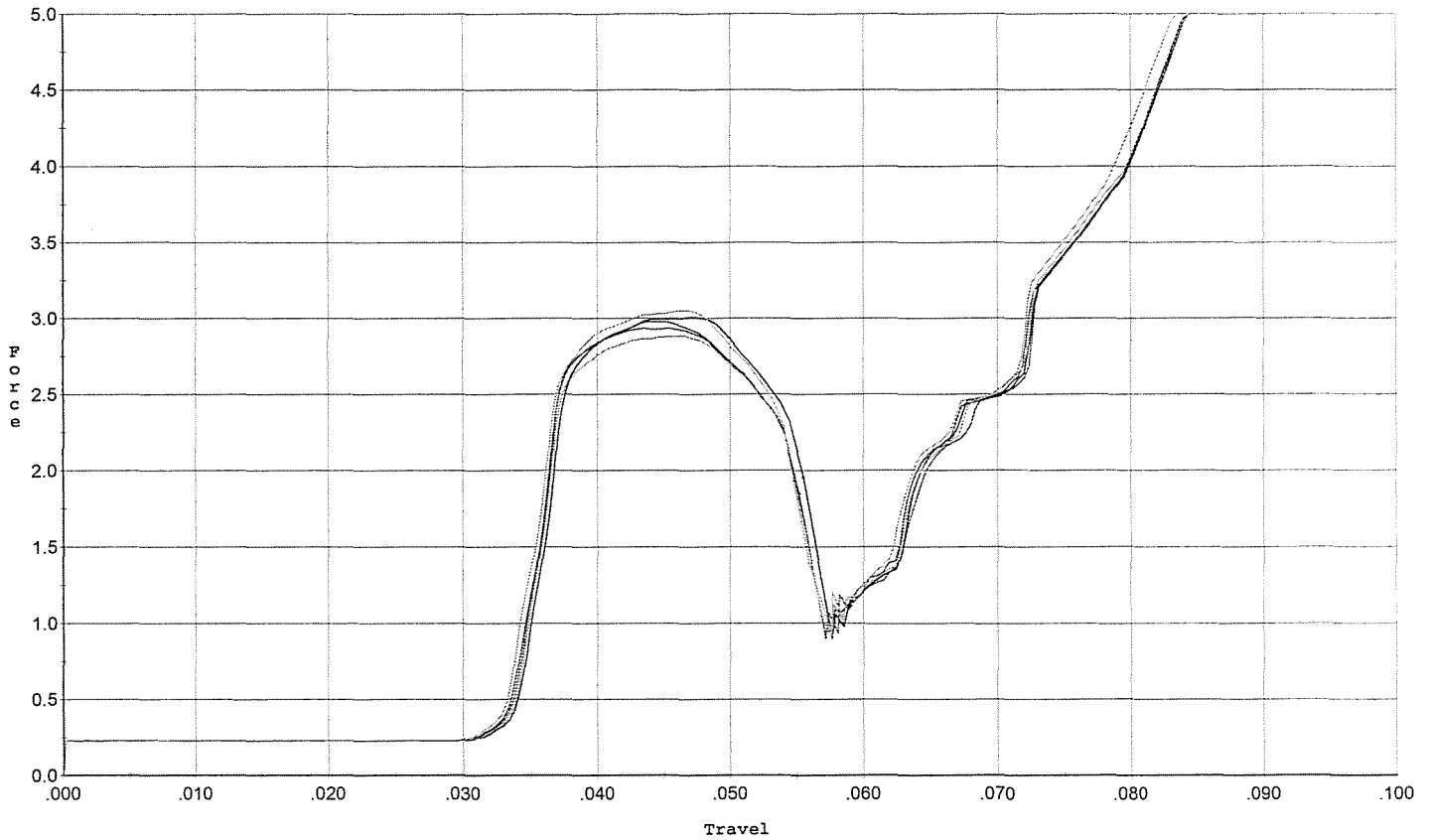
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 3.034      | 0.056             | 0.035           | 0.036      | 0.063             |           | Set Trigger |
| 2 | 2.999      | 0.057             | 0.035           | 0.035      | 0.062             |           | Set Trigger |
| 3 | 3.109      | 0.056             | 0.035           | 0.036      | 0.063             |           | Set Trigger |
| 4 | 3.072      | 0.056             | 0.035           | 0.036      | 0.063             |           | Set Trigger |
| 5 | 3.003      | 0.056             | 0.035           | 0.035      | 0.062             |           | Set Trigger |

Avg 3.04

# Trigger Profile [ lbs,inch ]

**Profile** SWS  
**GunType:** Rifle  
**Make:** Remington  
**Note:** R. Putch 5/28/08

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



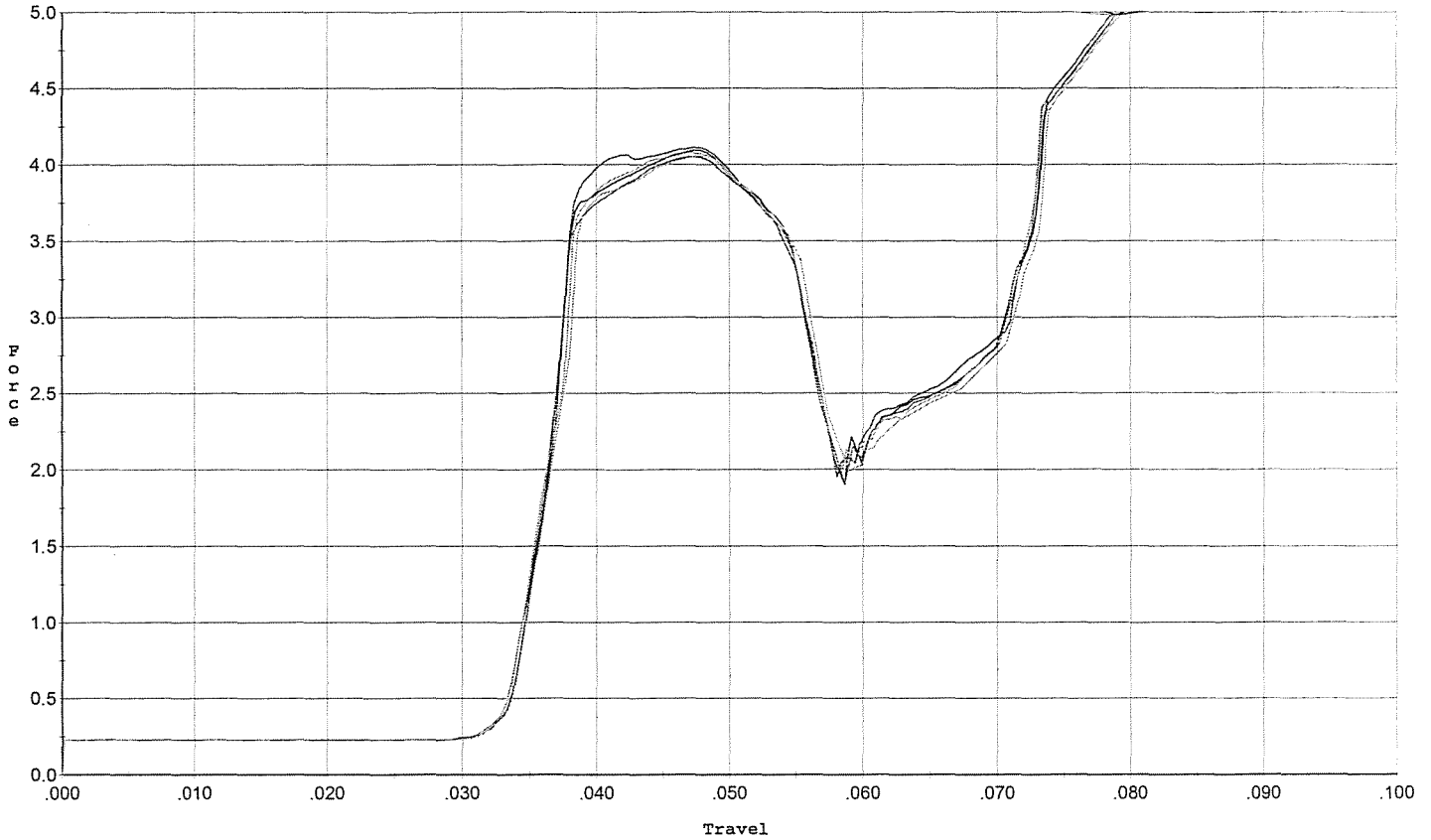
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.978      | 0.055             | 0.033           | 0.035      | 0.062             |           | Set Trigger |
| 2 | 3.007      | 0.056             | 0.034           | 0.035      | 0.063             |           | Set Trigger |
| 3 | 2.934      | 0.055             | 0.033           | 0.035      | 0.062             |           | Set Trigger |
| 4 | 3.053      | 0.054             | 0.033           | 0.035      | 0.062             |           | Set Trigger |
| 5 | 2.882      | 0.055             | 0.034           | 0.035      | 0.061             |           | Set Trigger |

Avg 2.97

# Trigger Profile [ lbs,inch ]

**Profile** SWS  
**GunType:** Rifle  
**Make:** Remington  
**Note:** R. Putch 5/28/08

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



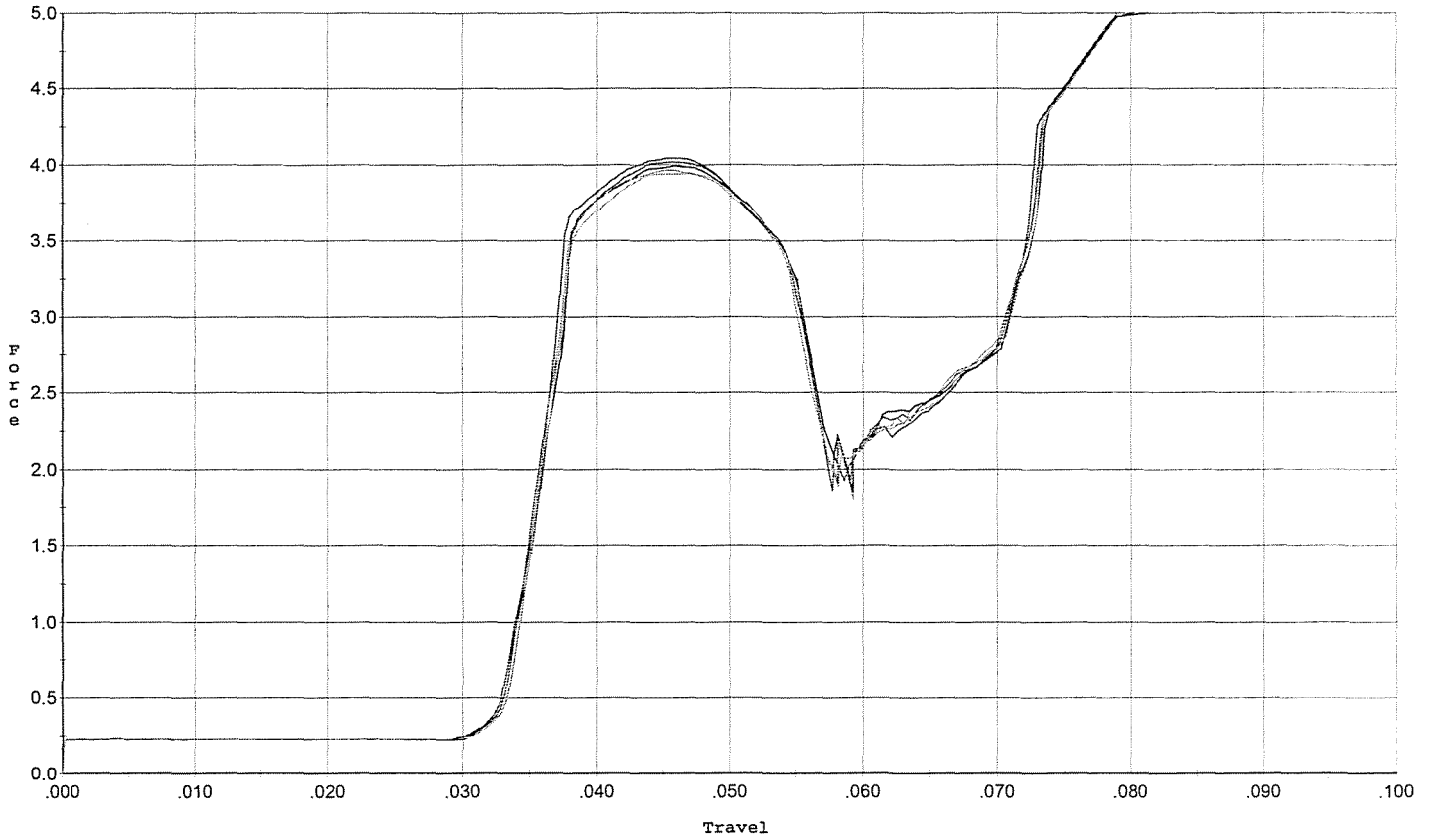
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 4.113      | 0.056             | 0.033           | 0.032      | 0.086             |           | Set Trigger |
| 2 | 4.094      | 0.055             | 0.033           | 0.032      | 0.083             |           | Set Trigger |
| 3 | 4.050      | 0.055             | 0.033           | 0.032      | 0.082             |           | Set Trigger |
| 4 | 4.058      | 0.055             | 0.034           | 0.032      | 0.083             |           | Set Trigger |
| 5 | 4.078      | 0.056             | 0.033           | 0.032      | 0.086             |           | Set Trigger |

Avg 4.07

## Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: R. Putch 5/28/08

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



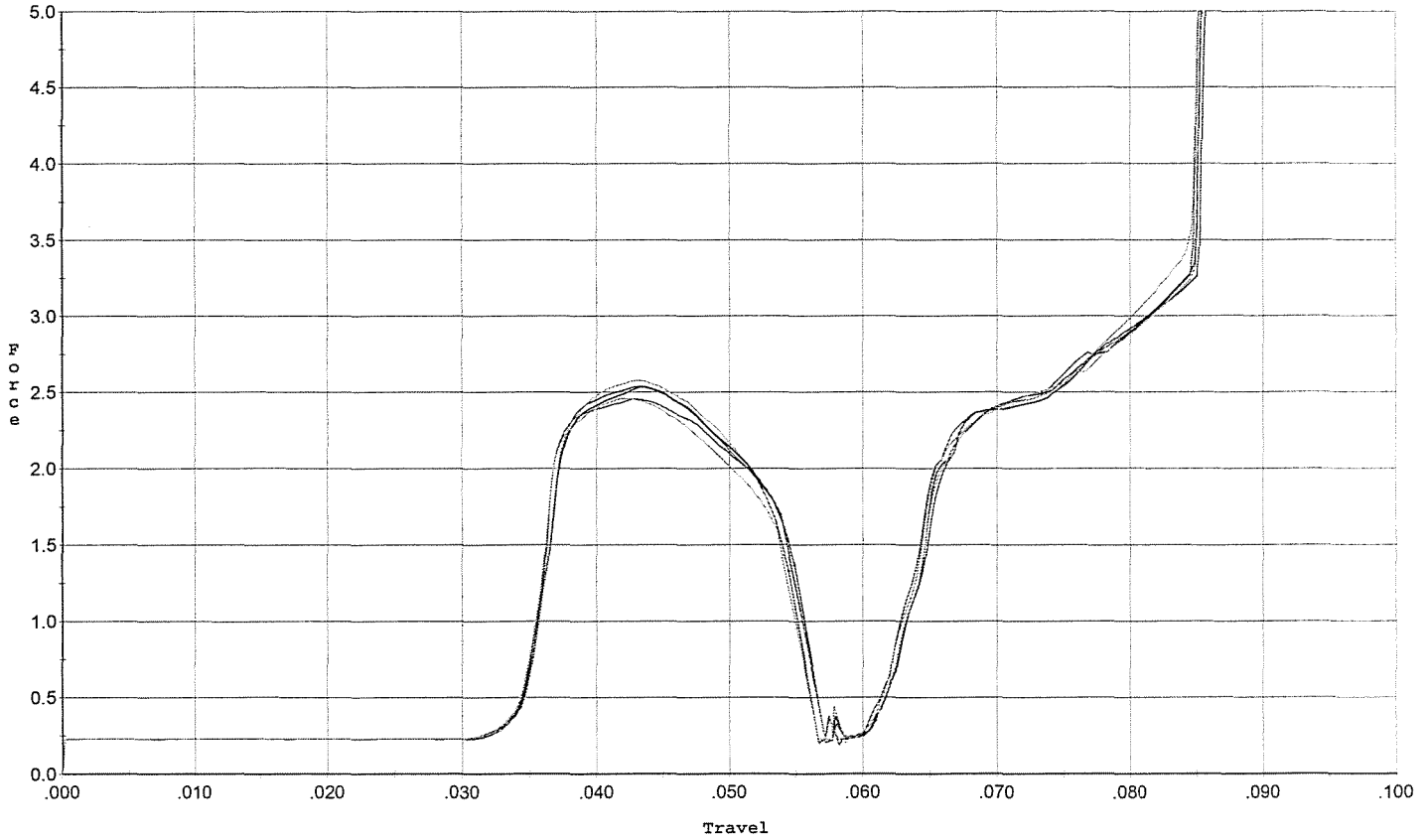
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 4.046      | 0.055             | 0.033           | 0.032      | 0.085             |           | Set Trigger |
| 2 | 3.994      | 0.055             | 0.033           | 0.032      | 0.083             |           | Set Trigger |
| 3 | 4.018      | 0.055             | 0.033           | 0.032      | 0.084             |           | Set Trigger |
| 4 | 3.945      | 0.055             | 0.033           | 0.032      | 0.082             |           | Set Trigger |
| 5 | 3.967      | 0.054             | 0.033           | 0.033      | 0.081             |           | Set Trigger |

Avg 3.99

# Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: R. Putch 5/28/08

Model: M/24  
Serial No: Form #F005  
Trigger: reset to 2.5 lbs. +/- .50 lbs. for final test



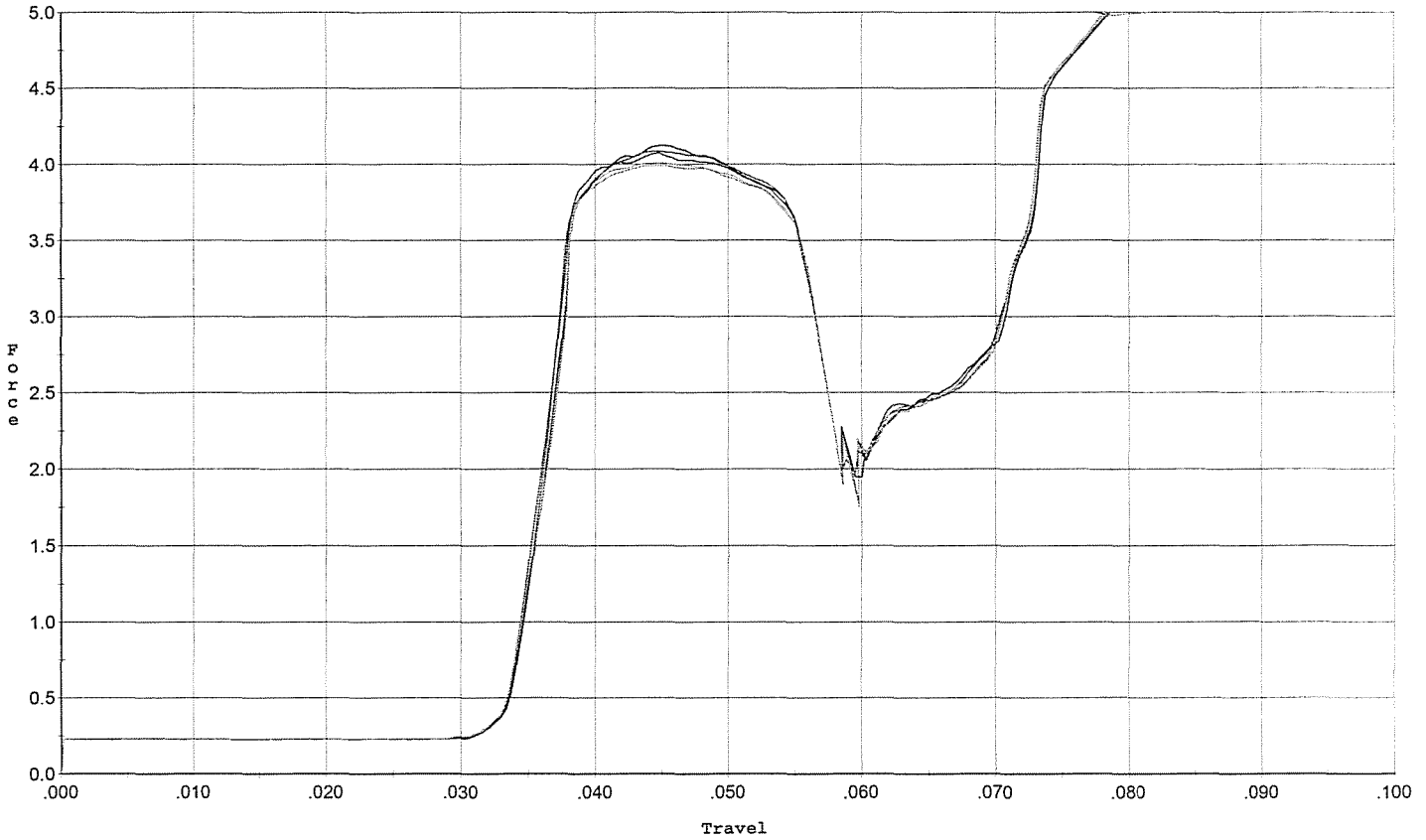
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.538      | 0.055             | 0.034           | 0.036      | 0.051             |           | Set Trigger |
| 2 | 2.531      | 0.055             | 0.034           | 0.036      | 0.051             |           | Set Trigger |
| 3 | 2.456      | 0.054             | 0.034           | 0.036      | 0.050             |           | Set Trigger |
| 4 | 2.577      | 0.055             | 0.035           | 0.036      | 0.052             |           | Set Trigger |
| 5 | 2.459      | 0.055             | 0.034           | 0.036      | 0.049             |           | Set Trigger |

Avg 2.51

# Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: R. Putch 5/28/08

Model: M/24  
Serial No: Form #F005  
Trigger: set to 4.0 lbs. +/- 1.0 lbs. for target & accuracy



| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 4.075      | 0.056             | 0.033           | 0.032      | 0.088             |           | Set Trigger |
| 2 | 4.123      | 0.056             | 0.033           | 0.032      | 0.088             |           | Set Trigger |
| 3 | 4.086      | 0.056             | 0.033           | 0.032      | 0.089             |           | Set Trigger |
| 4 | 4.010      | 0.056             | 0.033           | 0.032      | 0.087             |           | Set Trigger |
| 5 | 3.991      | 0.056             | 0.033           | 0.032      | 0.086             |           | Set Trigger |

Avg 4.05

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6749166.\_\_\_0  
FILE DATE AND TIME: 07/02/2008 09:54

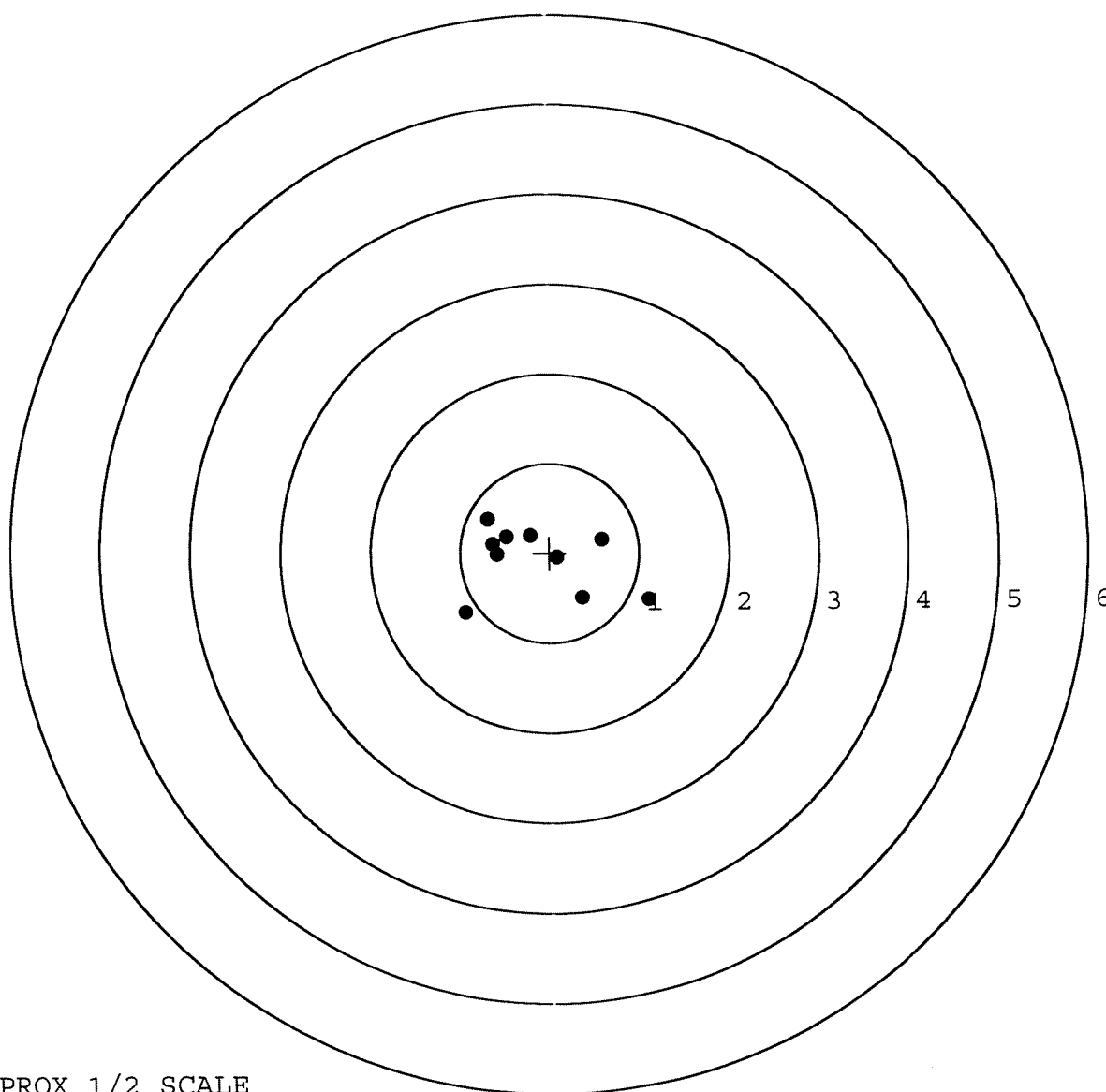
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.058 |
| The Average Y Centroid of the Five Target Set:              | -0.071 |
| The Average Point of Impact of the Five Target Set:         | 0.092  |
| The Average Mean Radius of the Five Target Set:             | 0.640  |
| The Distance from POA to Centroid Target #1:                | 0.160  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.124  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.300  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.091  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.071  |

SERIAL NUMBER: G6749166. 0  
TARGET NUMBER: 1  
FILE DATE: 07/02/2008  
FILE TIME: 09:54

X CENTROID: -0.143  
Y CENTROID: -0.072  
POA TO CENTROID: 0.160  
HORZ SPREAD: 2.051  
VERT SPREAD: 1.037  
GROUP SPREAD: 2.055  
MIN RADIUS: 0.225  
MAX RADIUS: 1.327  
MEAN RADIUS: 0.635  
# IN 1 IN DIAMETER: 4  
# IN 2 IN DIAMETER: 9  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.105  | -0.522 |
| 2:     | 0.362  | -0.495 |
| 3:     | 0.582  | 0.148  |
| 4:     | 0.081  | -0.048 |
| 5:     | -0.216 | 0.198  |
| 6:     | -0.486 | 0.185  |
| 7:     | -0.591 | -0.016 |
| 8:     | -0.635 | 0.103  |
| 9:     | -0.687 | 0.381  |
| 10:    | -0.946 | -0.656 |

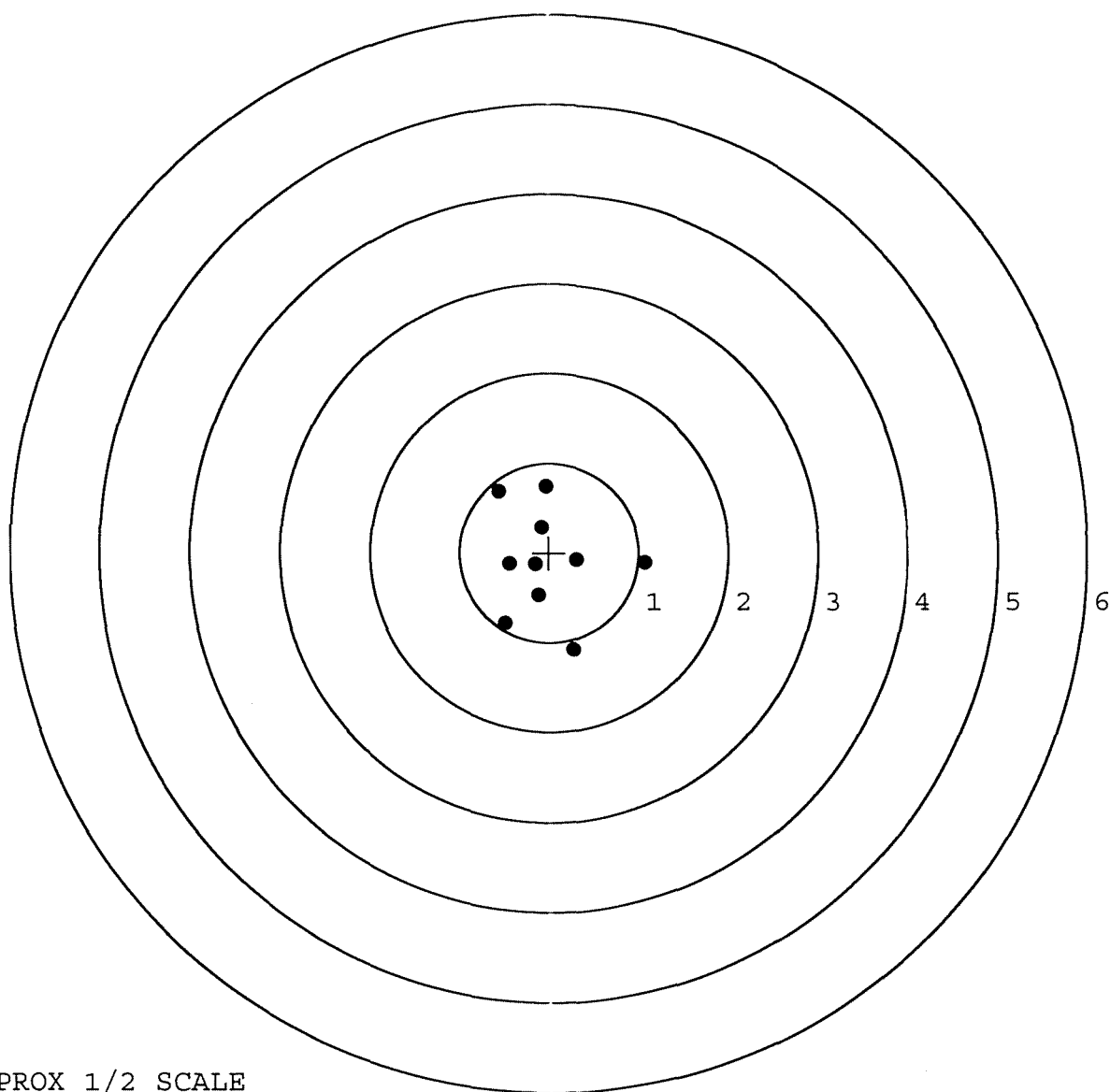


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6749166. \_\_0  
TARGET NUMBER: 2  
FILE DATE: 07/02/2008  
FILE TIME: 09:54

X CENTROID: -0.025  
Y CENTROID: -0.108  
POA TO CENTROID: 0.111  
HORZ SPREAD: 1.638  
VERT SPREAD: 1.823  
GROUP SPREAD: 1.825  
MIN RADIUS: 0.134  
MAX RADIUS: 1.098  
MEAN RADIUS: 0.642  
# IN 1 IN DIAMETER: 5  
# IN 2 IN DIAMETER: 8  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.278  | -1.082 |
| 2:     | -0.494 | -0.787 |
| 3:     | -0.120 | -0.478 |
| 4:     | -0.157 | -0.130 |
| 5:     | -0.441 | -0.121 |
| 6:     | 1.073  | -0.116 |
| 7:     | 0.313  | -0.080 |
| 8:     | -0.093 | 0.284  |
| 9:     | -0.039 | 0.741  |
| 10:    | -0.565 | 0.689  |

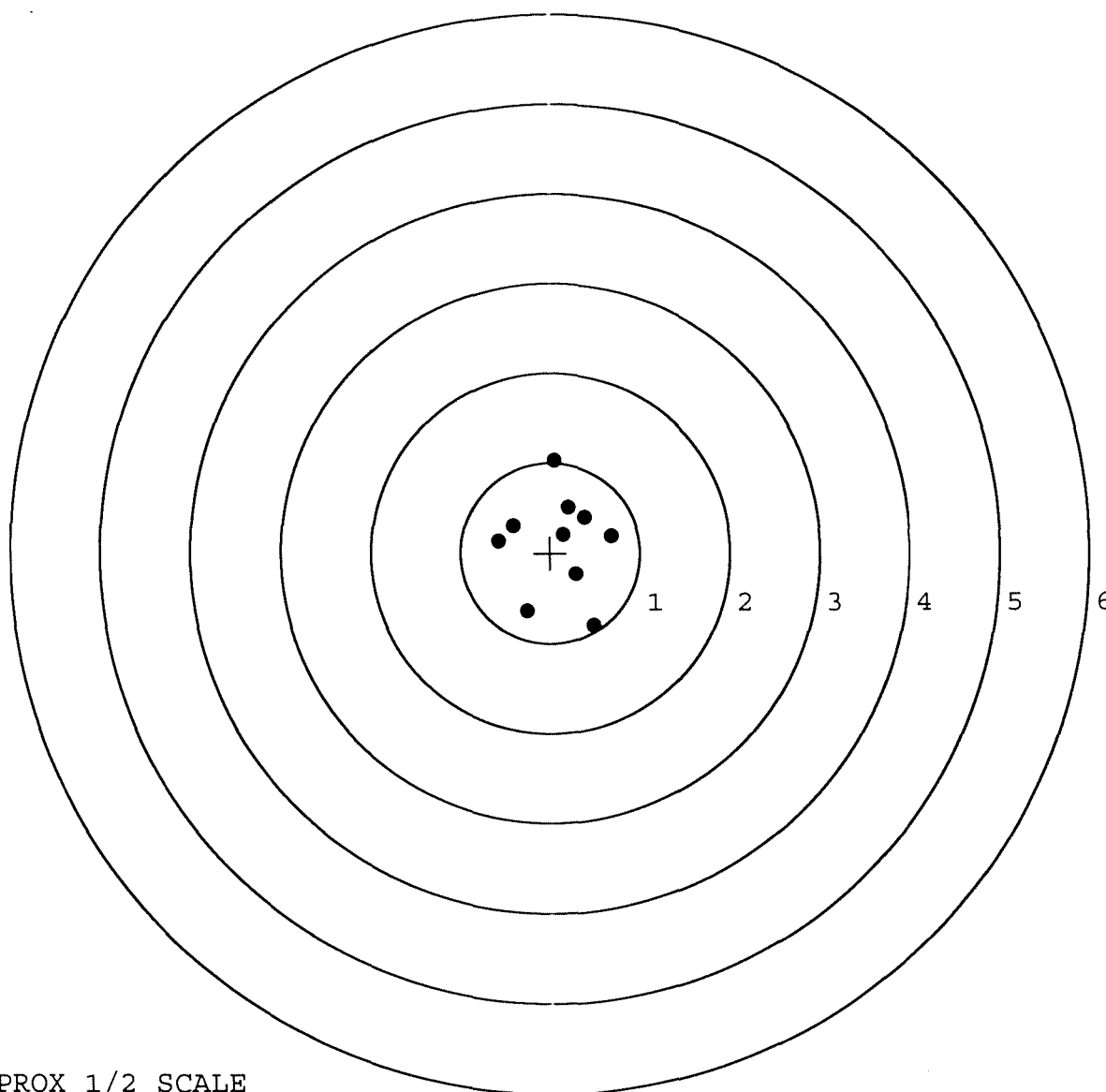


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6749166. \_\_0  
TARGET NUMBER: 3  
FILE DATE: 07/02/2008  
FILE TIME: 09:54

X CENTROID: 0.097  
Y CENTROID: 0.107  
POA TO CENTROID: 0.145  
HORZ SPREAD: 1.259  
VERT SPREAD: 1.823  
GROUP SPREAD: 1.873  
MIN RADIUS: 0.107  
MAX RADIUS: 0.985  
MEAN RADIUS: 0.587  
# IN 1 IN DIAMETER: 4  
# IN 2 IN DIAMETER: 10  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.480  | -0.800 |
| 2:     | -0.263 | -0.650 |
| 3:     | 0.291  | -0.234 |
| 4:     | 0.683  | 0.191  |
| 5:     | -0.420 | 0.301  |
| 6:     | -0.576 | 0.140  |
| 7:     | 0.048  | 1.023  |
| 8:     | 0.201  | 0.504  |
| 9:     | 0.382  | 0.396  |
| 10:    | 0.148  | 0.202  |

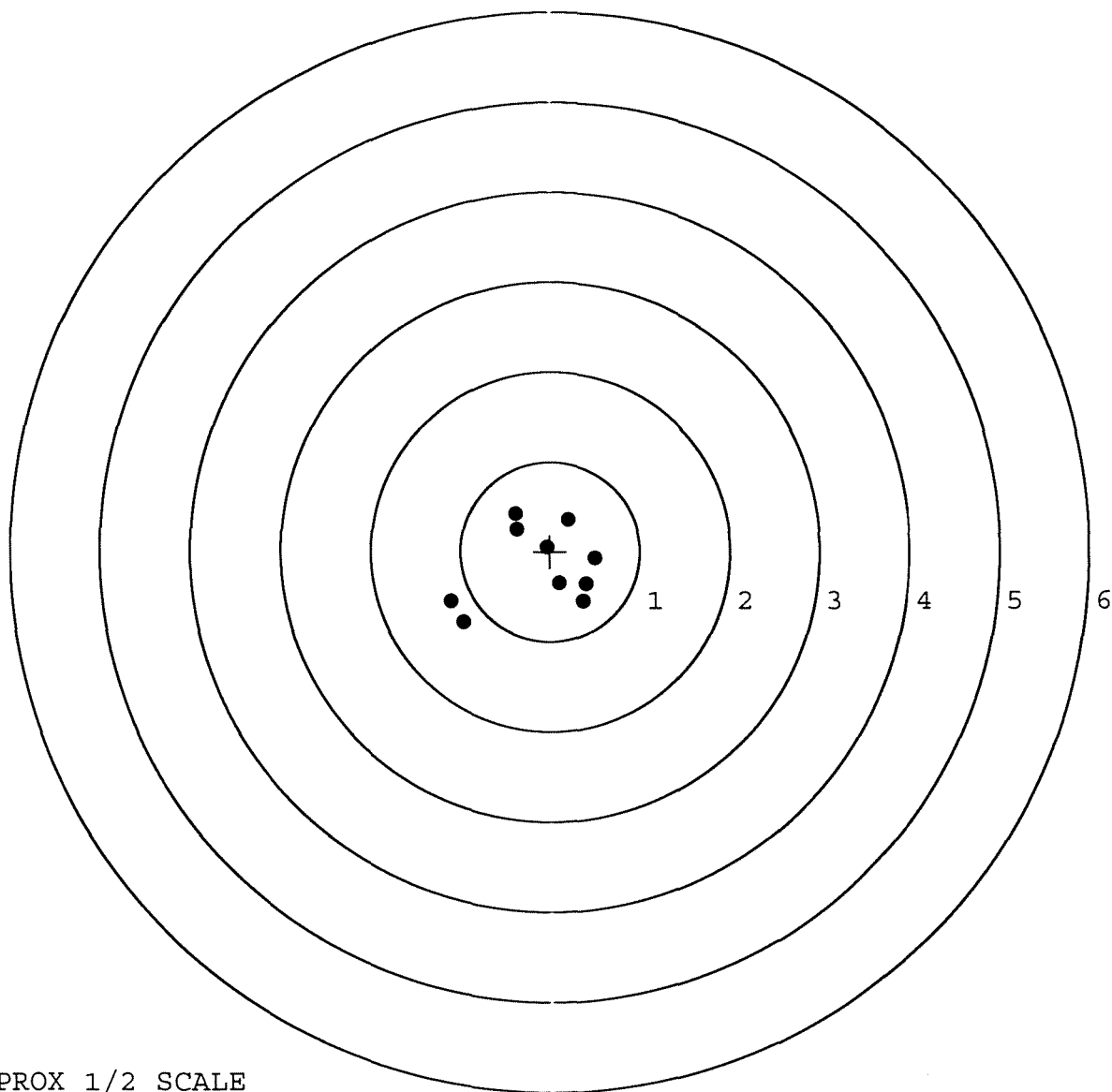


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6749166. \_\_0  
TARGET NUMBER: 4  
FILE DATE: 07/02/2008  
FILE TIME: 09:54

X CENTROID: -0.130  
Y CENTROID: -0.162  
POA TO CENTROID: 0.207  
HORZ SPREAD: 1.611  
VERT SPREAD: 1.215  
GROUP SPREAD: 1.680  
MIN RADIUS: 0.234  
MAX RADIUS: 1.055  
MEAN RADIUS: 0.623  
# IN 1 IN DIAMETER: 3  
# IN 2 IN DIAMETER: 8  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.367  | -0.557 |
| 2:     | 0.403  | -0.365 |
| 3:     | 0.106  | -0.354 |
| 4:     | 0.502  | -0.078 |
| 5:     | 0.206  | 0.356  |
| 6:     | -0.038 | 0.053  |
| 7:     | -0.387 | 0.423  |
| 8:     | -0.377 | 0.252  |
| 9:     | -1.109 | -0.556 |
| 10:    | -0.972 | -0.792 |

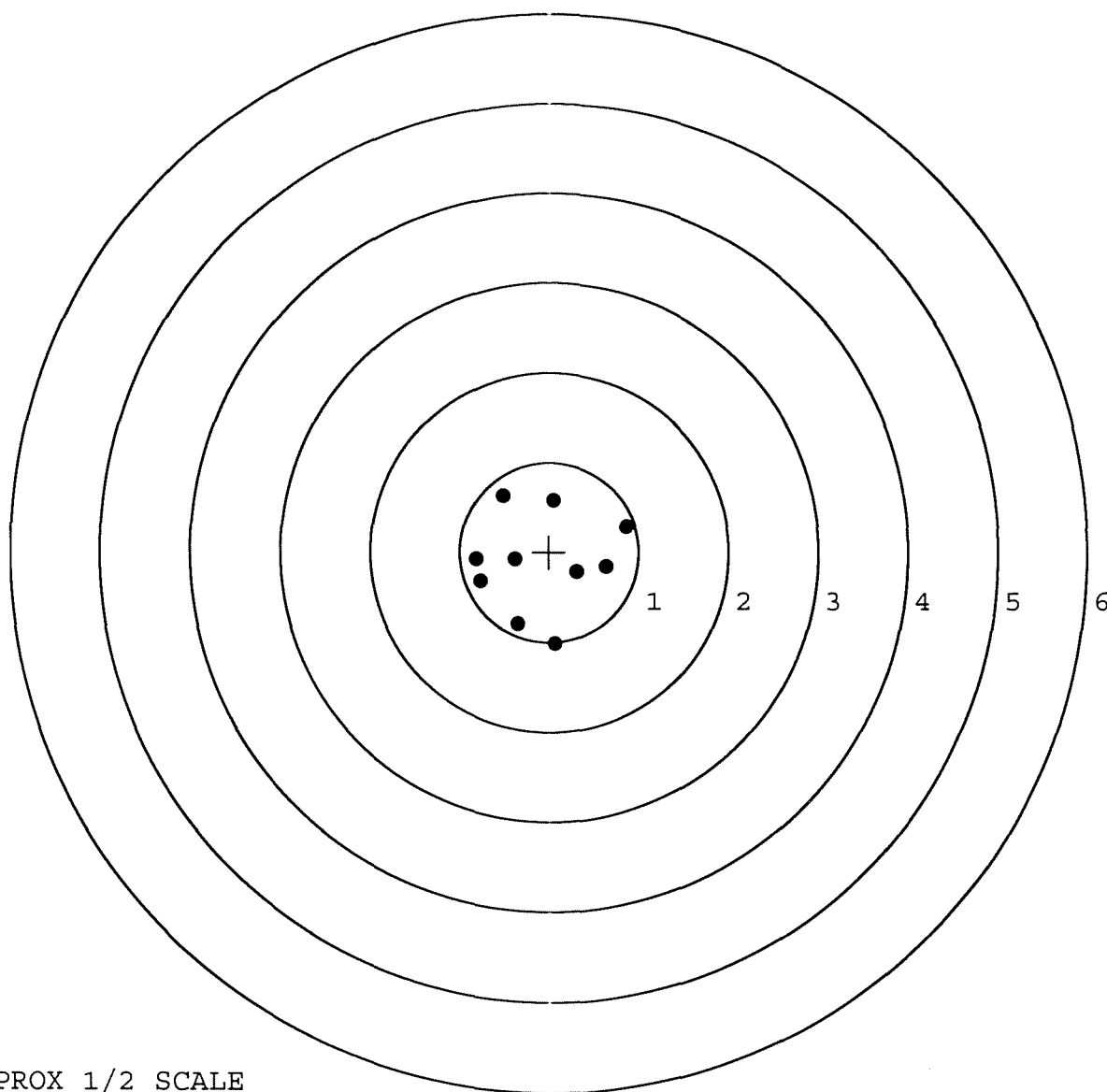


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6749166. \_\_0  
TARGET NUMBER: 5  
FILE DATE: 07/02/2008  
FILE TIME: 09:54

X CENTROID: -0.091  
Y CENTROID: -0.121  
POA TO CENTROID: 0.152  
HORZ SPREAD: 1.674  
VERT SPREAD: 1.656  
GROUP SPREAD: 1.740  
MIN RADIUS: 0.296  
MAX RADIUS: 1.034  
MEAN RADIUS: 0.714  
# IN 1 IN DIAMETER: 2  
# IN 2 IN DIAMETER: 9  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.860  | 0.285  |
| 2:     | 0.637  | -0.164 |
| 3:     | 0.313  | -0.223 |
| 4:     | 0.068  | -1.026 |
| 5:     | -0.355 | -0.803 |
| 6:     | -0.385 | -0.086 |
| 7:     | -0.814 | -0.081 |
| 8:     | -0.771 | -0.321 |
| 9:     | 0.050  | 0.579  |
| 10:    | -0.516 | 0.630  |



TARGET APPROX 1/2 SCALE