

G 641 6275

**M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)**  
**BOLT ACTION CENTERFIRE RIFLE**  
**24" BARREL 7.62 NATO**

- INSTRUCTION BOOK 3518

**DD FORM**

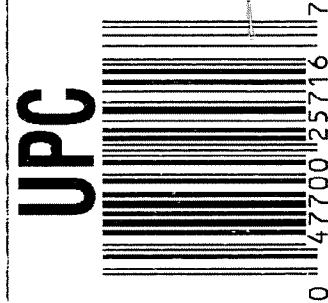


**ORDER NO. 25716**

**BARREL LENGTH 24"**

**CAPACITY 6**

**G6616275**



**ORDER 25716**

M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)

**UPC**



**ORDER 25716**

M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)

**UPC**



SERIAL NO.



M-24  
INSPECTION CHECKLIST-NEW GUNS

GUN SERIAL # G6616275

| OP #            | OPERATION NAME                                                                                                                         | READINGS                | DATE     | INITIAL |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------|---------|
| 410             | SERIALIZE BOLT HANDLE                                                                                                                  |                         | 12-22-06 | RTZ     |
| 420             | ASSEMBLE ACTION                                                                                                                        |                         | 12-22-06 | RTZ     |
| 430             | ASSEMBLE TO STOCK                                                                                                                      |                         | 12-27-06 | A.P.D.  |
| 440             | PROOF                                                                                                                                  | MAGNA-FLUX<br>INSPECTED | 12-27-06 | A.P.D.  |
| 460             | CHECK HEADSPACE                                                                                                                        |                         | 12-27-06 | A.P.D.  |
| 470             | DIS-ASSEMBLE ACTION                                                                                                                    | JAN 5 2007              | 12-27-06 | A.P.D.  |
| 480             | MAGNAFLUX BBL ACTION                                                                                                                   | OPERATOR <u>APD</u>     | 12-28-06 | RTZ     |
| 490             | MAGNAFLUX BOLT                                                                                                                         |                         |          |         |
| 500             | ROLLMARK CALIBER                                                                                                                       |                         | 1-4-07   | CW      |
| 510             | DRILL AND TAP<br>SIGHT HOLES                                                                                                           |                         | 1-4-07   | TRW     |
| 520             | GOFF BLAST BBL / REC                                                                                                                   |                         | 1-8-07   | LB      |
| 530 &<br>540    | APPLY COATINGS<br>(BARREL ACTION)                                                                                                      |                         |          |         |
|                 | (BOLT)                                                                                                                                 |                         | 1/19/07  | BS      |
| 560             | RE-ASSEMBLE ACTION                                                                                                                     |                         |          |         |
|                 | A) CLEAN INSIDE OF<br>BOLT ASSEMBLY                                                                                                    |                         | 1-22-07  | SD      |
|                 | B) INSPECT REAR FIRING<br>PIN HOLE FOR CHAMFER<br>IN BOLT HEAD                                                                         |                         | 1-22-07  | SD      |
|                 | C) INSPECT EJECTOR<br>HOLE FOR CHAMFER                                                                                                 |                         | 1-22-07  | SD      |
|                 | D) OIL FIRING PIN ASSEMBLY                                                                                                             |                         | 2-7-07   | A.P.D.  |
|                 | 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> |                         | 2/19/07  | non     |
| F004 REV 5/2006 |                                                                                                                                        |                         |          |         |

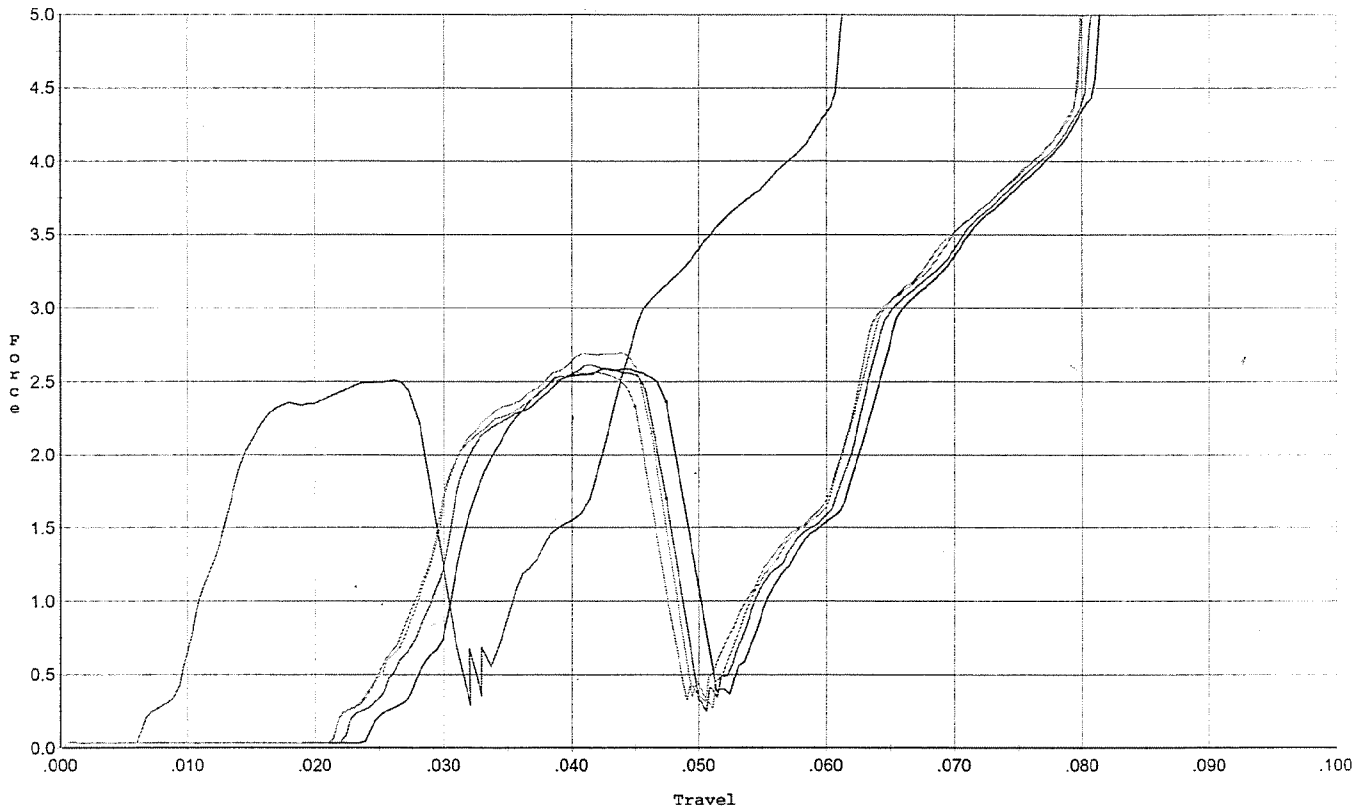
| OP #         | OPERATION NAME                                                           | READINGS                                                    | DATE    | INITIAL |
|--------------|--------------------------------------------------------------------------|-------------------------------------------------------------|---------|---------|
| 560          | F) SAFETY ON FORCE <span>2 LBS MIN<br/>10 LBS MAX</span>                 | <u>6°</u> <u>6°</u> <u>6°</u>                               | 2/13/07 | non     |
| CONT.        |                                                                          |                                                             |         |         |
|              | G) SAFETY OFF FORCE <span>2 LBS MIN</span>                               | <u>4°</u> <u>4°</u> <u>4°</u>                               | 2/13/07 | non     |
|              | H) TRIGGER PULL TEST<br>AND RETAINABILITY                                |                                                             | 2/19/07 | non     |
|              | I) FIRING PIN INDENT <span>.020 MIN</span>                               | <u>.025</u> <u>.025</u> <u>.025</u>                         | 2/13/07 | non     |
|              | J) ASSEMBLE STOCK                                                        |                                                             | 2-7-07  | APD     |
|              | K) ASSEMBLE SWIVEL<br>STUDS                                              |                                                             | 2/19/07 | non     |
|              | L) ATTACH FRONT AND<br>REAR SIGHT ASSY'S                                 |                                                             | 2/19/07 | non     |
|              | M) IRON SIGHT<br>ALIGNMENT                                               |                                                             | 2/19/07 | non     |
|              | N) DETACH FRONT AND<br>REAR SIGHTS AND PLACE<br>IN NUMBERED CONTAINER    |                                                             | 2/19/07 | non     |
| 640 &<br>650 | FUNCTION TEST AND<br>TARGET                                              | <u>PASS</u> FAIL<br><u>PASS</u> FAIL                        | 2-8-07  | TRW     |
|              | MALFUNCTION                                                              | CORRECTION                                                  |         |         |
|              | MALFUNCTION                                                              | CORRECTION                                                  |         |         |
|              | MALFUNCTION                                                              | CORRECTION                                                  |         |         |
|              | MALFUNCTION                                                              | CORRECTION                                                  |         |         |
| 660          | INSPECT FOR LIVE AMMO                                                    |                                                             | 2-8-07  | Fm      |
| 670          | FINAL INSPECTION<br>A) HEADSPACE                                         |                                                             | 2/19/07 | non     |
|              | B) TRIGGER PULL <span>+/- .5 LBS<br/>MIN 2.50 LBS<br/>MAX 4.0 LBS</span> | <u>2.49</u> <u>2.50</u> <u>2.52</u> <u>2.57</u> <u>2.54</u> | 2-8-07  | Fm      |
|              | C) FUNCTION                                                              |                                                             | 2/19/07 | non     |
| 690          | PACK                                                                     |                                                             | 2-20-07 | DA      |

F004 REV 5/2006

# Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: S. Day 1/3/07

Model: M/24  
Serial No: Form #F005  
Trigger: 2.5 initl



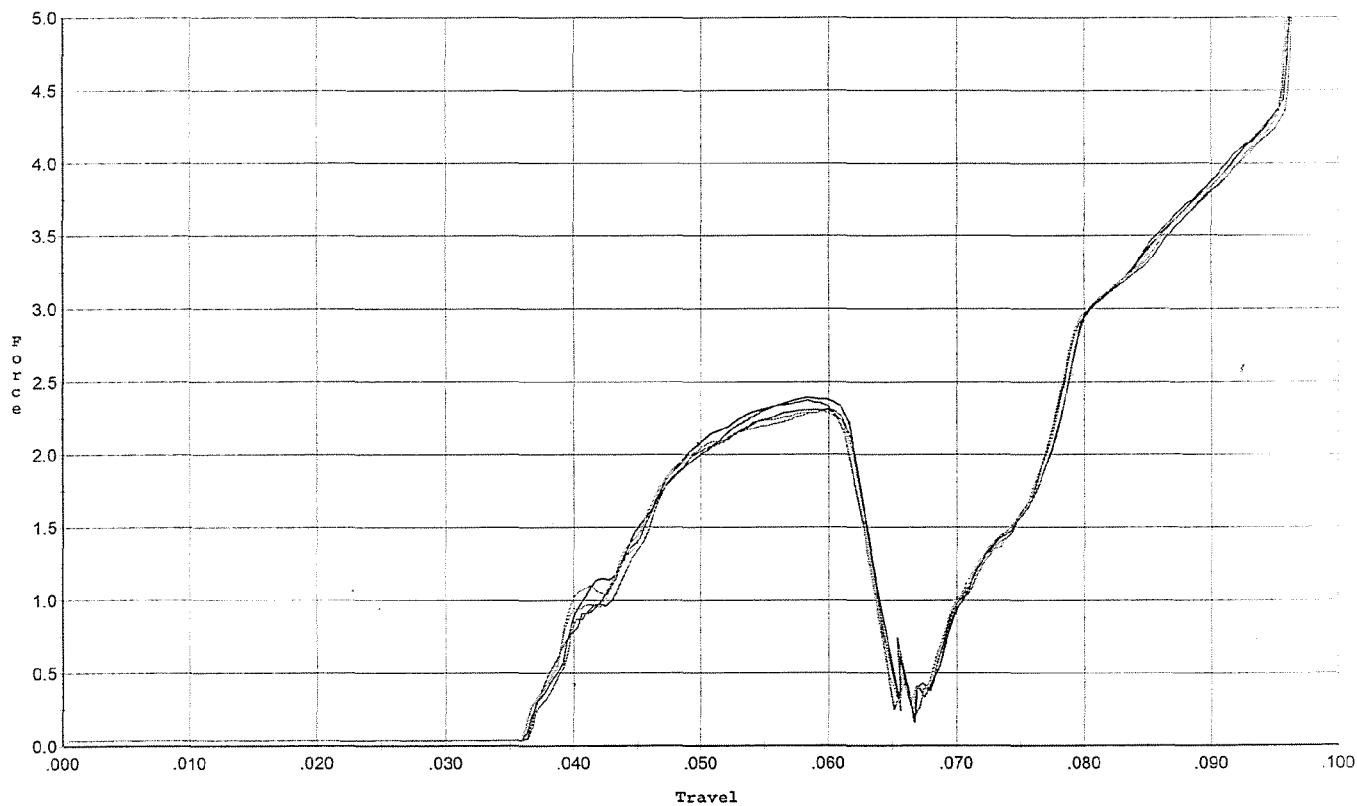
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.509      | 0.028             | 0.006           | 0.037      | 0.040             |           | Set Trigger |
| 2 | 2.591      | 0.047             | 0.024           | 0.037      | 0.044             |           | Set Trigger |
| 3 | 2.615      | 0.047             | 0.023           | 0.037      | 0.045             |           | Set Trigger |
| 4 | 2.701      | 0.046             | 0.022           | 0.037      | 0.047             |           | Set Trigger |
| 5 | 2.564      | 0.045             | 0.022           | 0.038      | 0.043             |           | Set Trigger |

Avg 2.59

# Trigger Profile [ lbs,inch ]

Profile: SWS  
 GunType: Rifle  
 Make: Remington  
 Note: S. Day 1/3/07

Model: M/24  
 Serial No: Form #F005  
 Trigger: 2.5 after 50 cycles



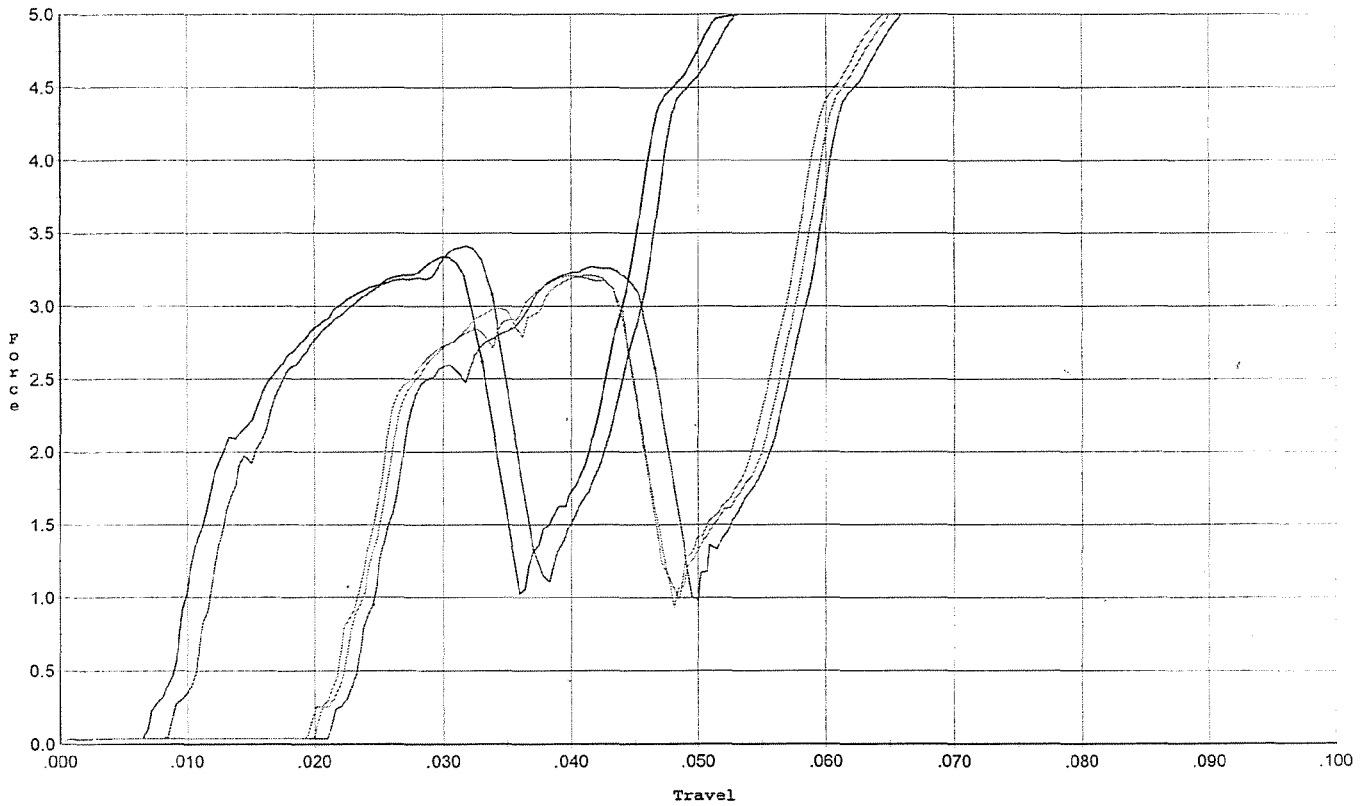
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.374      | 0.063             | 0.037           | 0.040      | 0.046             |           | Set Trigger |
| 2 | 2.392      | 0.062             | 0.037           | 0.040      | 0.046             |           | Set Trigger |
| 3 | 2.312      | 0.062             | 0.037           | 0.040      | 0.044             |           | Set Trigger |
| 4 | 2.298      | 0.063             | 0.036           | 0.039      | 0.046             |           | Set Trigger |
| 5 | 2.305      | 0.062             | 0.036           | 0.040      | 0.046             |           | Set Trigger |

Aug 2.33

# Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: S. Day 1/3/07

Model: M/24  
Serial No: Form #F005  
Trigger: 3.0 initl.



| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 3.413      | 0.034             | 0.009           | 0.025      | 0.062             |           | Set Trigger |
| 2 | 3.340      | 0.033             | 0.007           | 0.025      | 0.063             |           | Set Trigger |
| 3 | 3.269      | 0.047             | 0.021           | 0.027      | 0.063             |           | Set Trigger |
| 4 | 3.211      | 0.044             | 0.020           | 0.028      | 0.059             |           | Set Trigger |
| 5 | 3.207      | 0.044             | 0.020           | 0.027      | 0.060             |           | Set Trigger |

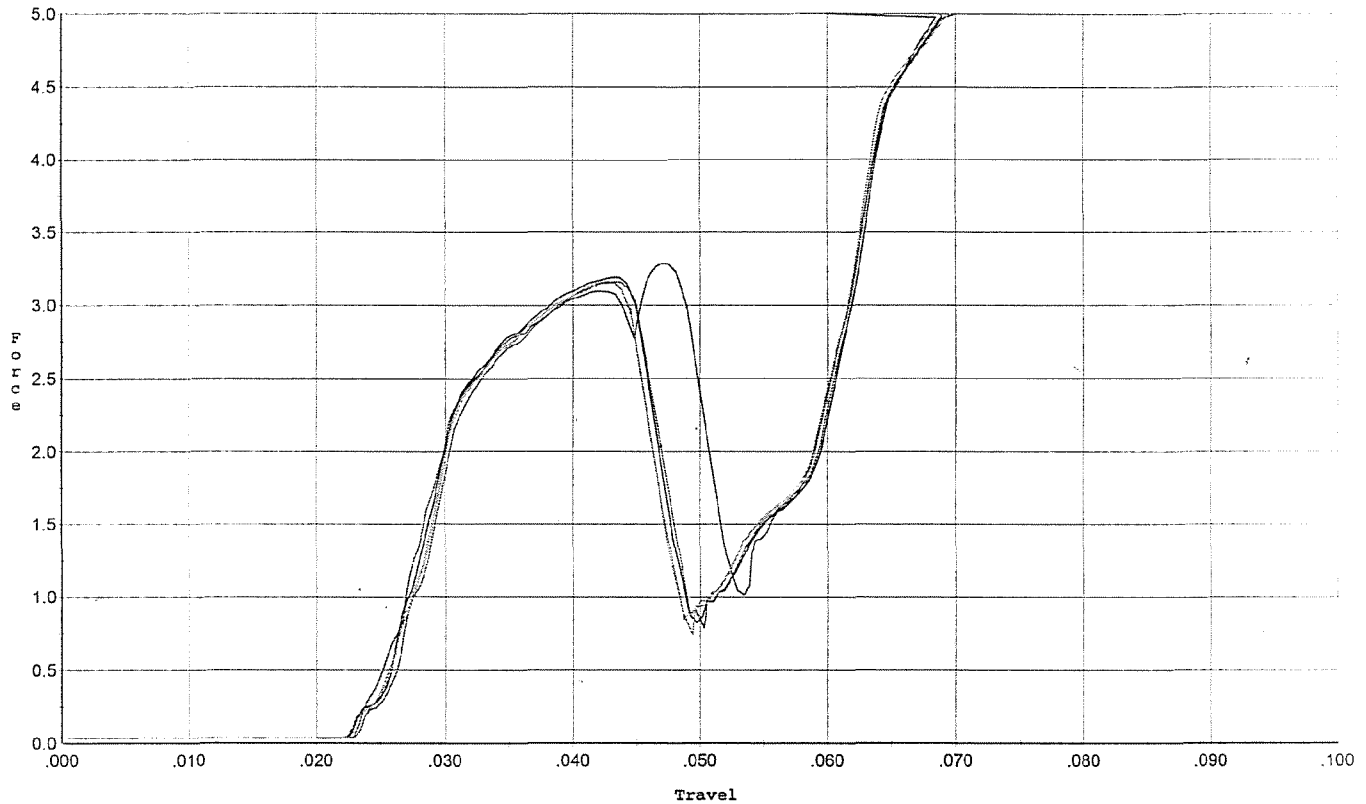
Aug 3.28



# Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: S. Day 1/3/07

Model: M/24  
Serial No: Form #F005  
Trigger: 3.0 after 20 cycles



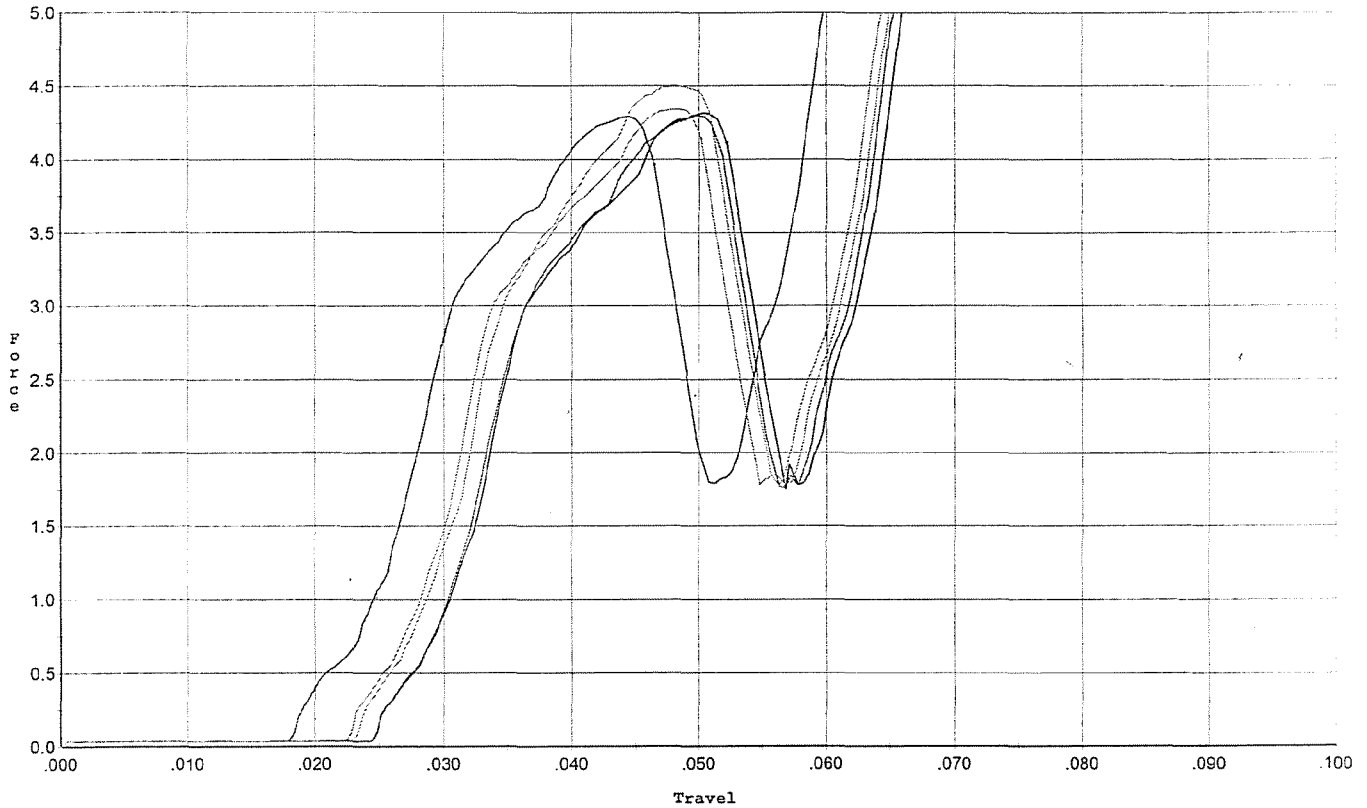
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 3.287      | 0.049             | 0.023           | 0.028      | 0.064             |           | Set Trigger |
| 2 | 3.190      | 0.045             | 0.023           | 0.031      | 0.052             |           | Set Trigger |
| 3 | 3.158      | 0.047             | 0.024           | 0.031      | 0.053             |           | Set Trigger |
| 4 | 3.150      | 0.044             | 0.023           | 0.031      | 0.050             |           | Set Trigger |
| 5 | 3.160      | 0.045             | 0.023           | 0.032      | 0.050             |           | Set Trigger |

Aug 3.18

# Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: S. Day 1/3/07

.Model: M/24  
Serial No: Form #F005  
Trigger: 4.0 initl



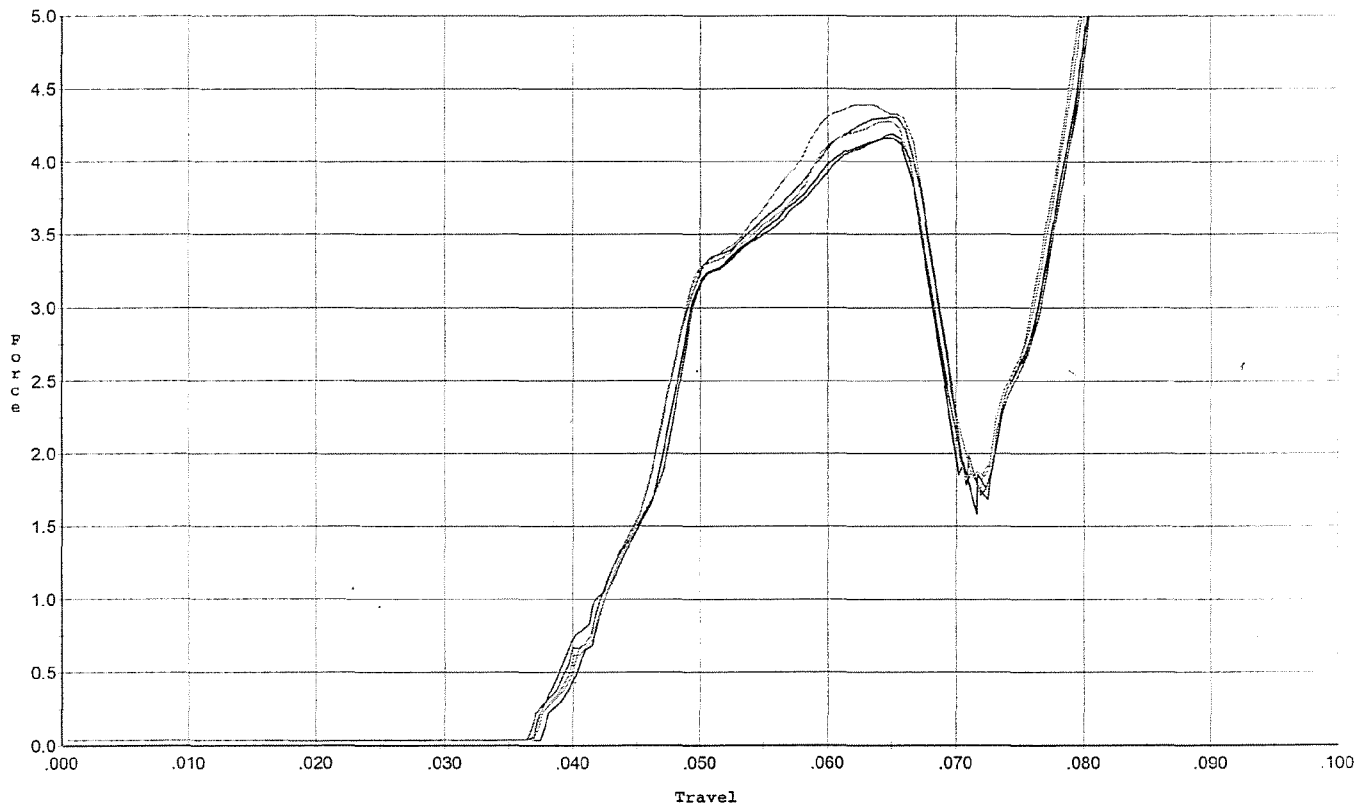
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 4.291      | 0.046             | 0.018           | 0.020      | 0.079             |           | Set Trigger |
| 2 | 4.315      | 0.052             | 0.025           | 0.020      | 0.080             |           | Set Trigger |
| 3 | 4.299      | 0.052             | 0.025           | 0.019      | 0.079             |           | Set Trigger |
| 4 | 4.499      | 0.051             | 0.023           | 0.020      | 0.085             |           | Set Trigger |
| 5 | 4.342      | 0.050             | 0.023           | 0.020      | 0.081             |           | Set Trigger |

Avg 4.34

# Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: S. Day 1/3/07

Model: M/24  
Serial No: Form #F005  
Trigger: 4.0 after 20 cycles



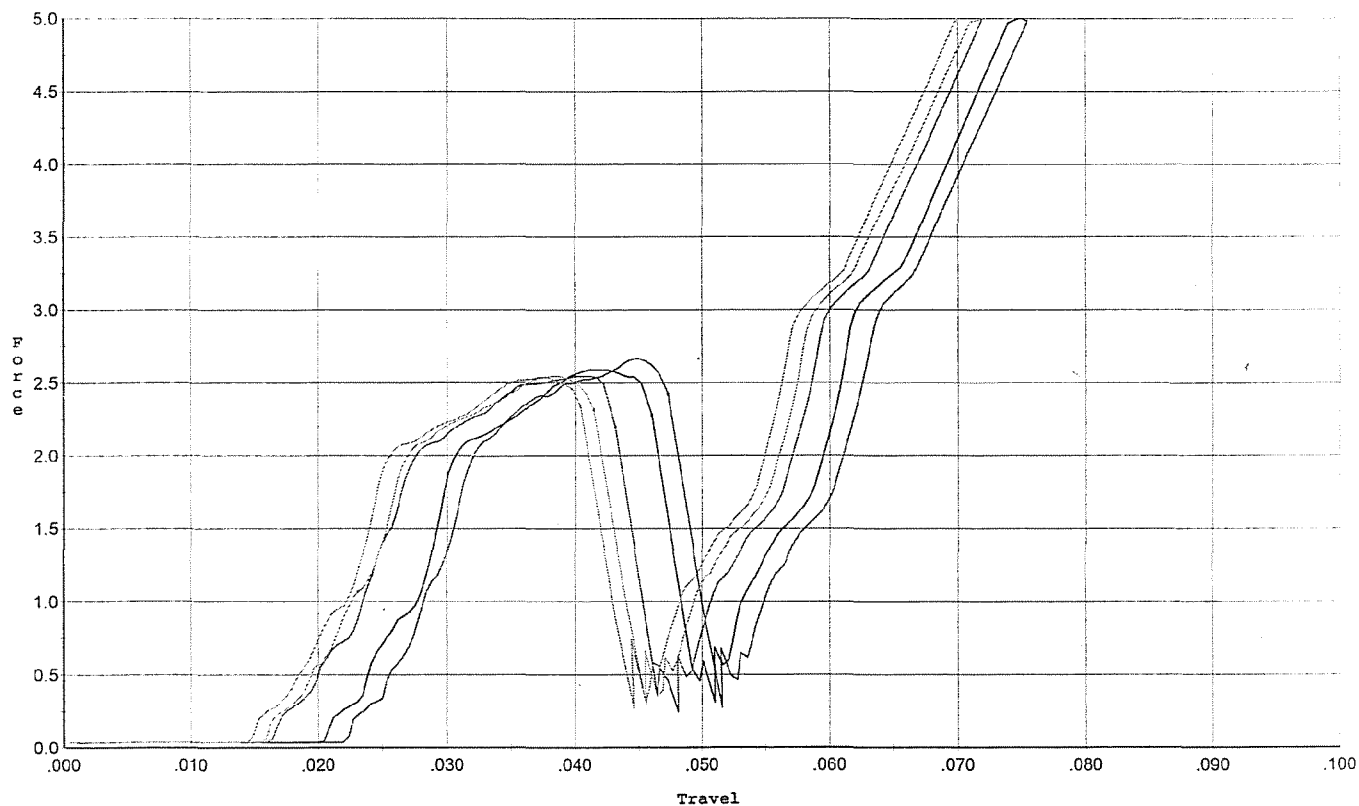
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 4.191      | 0.066             | 0.037           | 0.020      | 0.086             |           | Set Trigger |
| 2 | 4.164      | 0.067             | 0.038           | 0.020      | 0.085             |           | Set Trigger |
| 3 | 4.307      | 0.067             | 0.037           | 0.020      | 0.091             |           | Set Trigger |
| 4 | 4.275      | 0.066             | 0.037           | 0.020      | 0.087             |           | Set Trigger |
| 5 | 4.391      | 0.067             | 0.037           | 0.017      | 0.091             |           | Set Trigger |

Avg 4.26

# Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: S. Day 1/3/07

Model: M/24  
Serial No: Form #F005  
Trigger: 2.5 reset final test



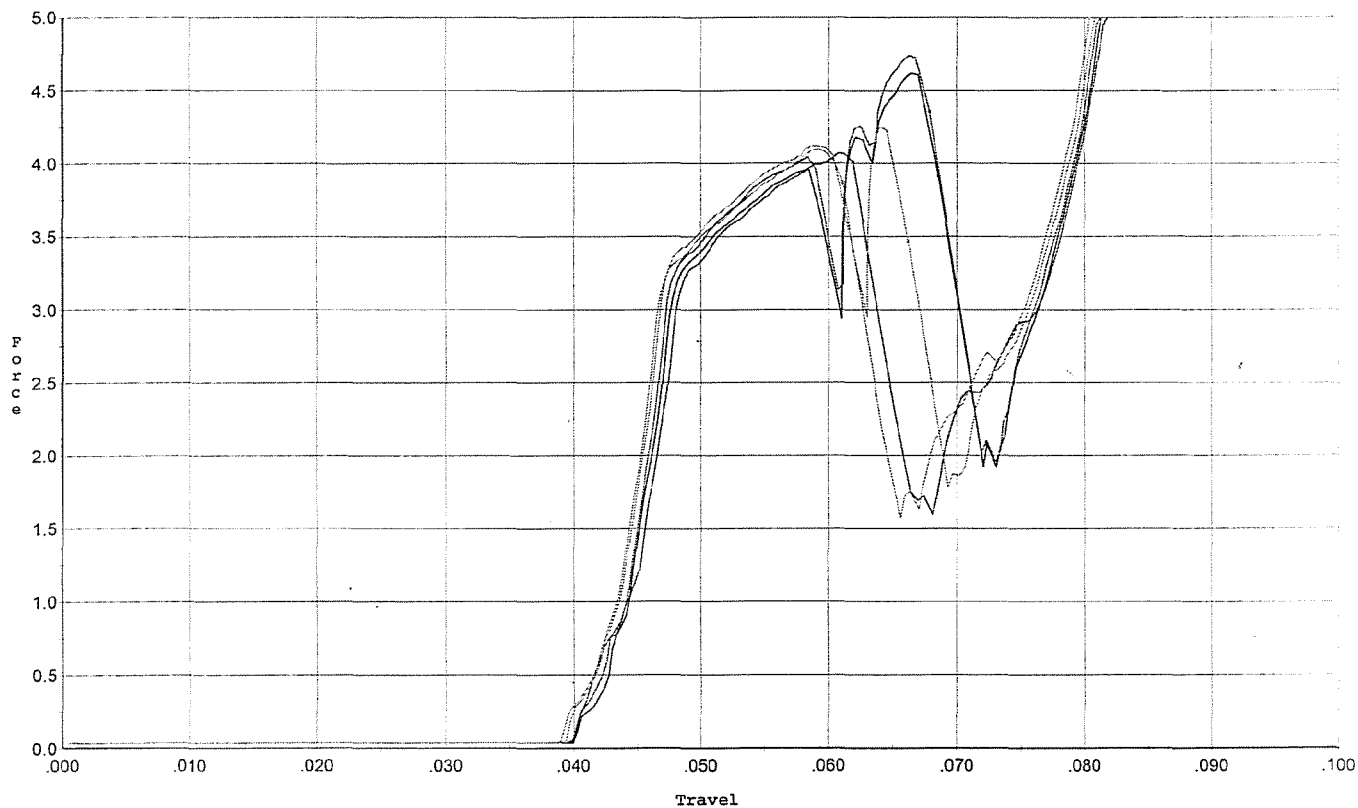
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.669      | 0.047             | 0.023           | 0.035      | 0.048             |           | Set Trigger |
| 2 | 2.592      | 0.046             | 0.021           | 0.035      | 0.047             |           | Set Trigger |
| 3 | 2.547      | 0.043             | 0.017           | 0.036      | 0.048             |           | Set Trigger |
| 4 | 2.545      | 0.041             | 0.016           | 0.036      | 0.045             |           | Set Trigger |
| 5 | 2.542      | 0.040             | 0.015           | 0.036      | 0.045             |           | Set Trigger |

Avg 2.57

# Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: S. Day 1/3/07

Model: M/24  
Serial No: Form #F005  
Trigger: 4.0 reset for target and accuracy



| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 4.071      | 0.062             | 0.040           | 0.031      | 0.069             |           | Set Trigger |
| 2 | 4.620      | 0.069             | 0.040           | 0.024      | 0.095             |           | Set Trigger |
| 3 | 4.739      | 0.068             | 0.040           | 0.024      | 0.096             |           | Set Trigger |
| 4 | 4.251      | 0.066             | 0.040           | 0.026      | 0.086             |           | Set Trigger |
| 5 | 4.097      | 0.061             | 0.039           | 0.030      | 0.070             |           | Set Trigger |

Avg 4.35

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6616275.\_\_\_0  
FILE DATE AND TIME: 02/08/2007 11:13

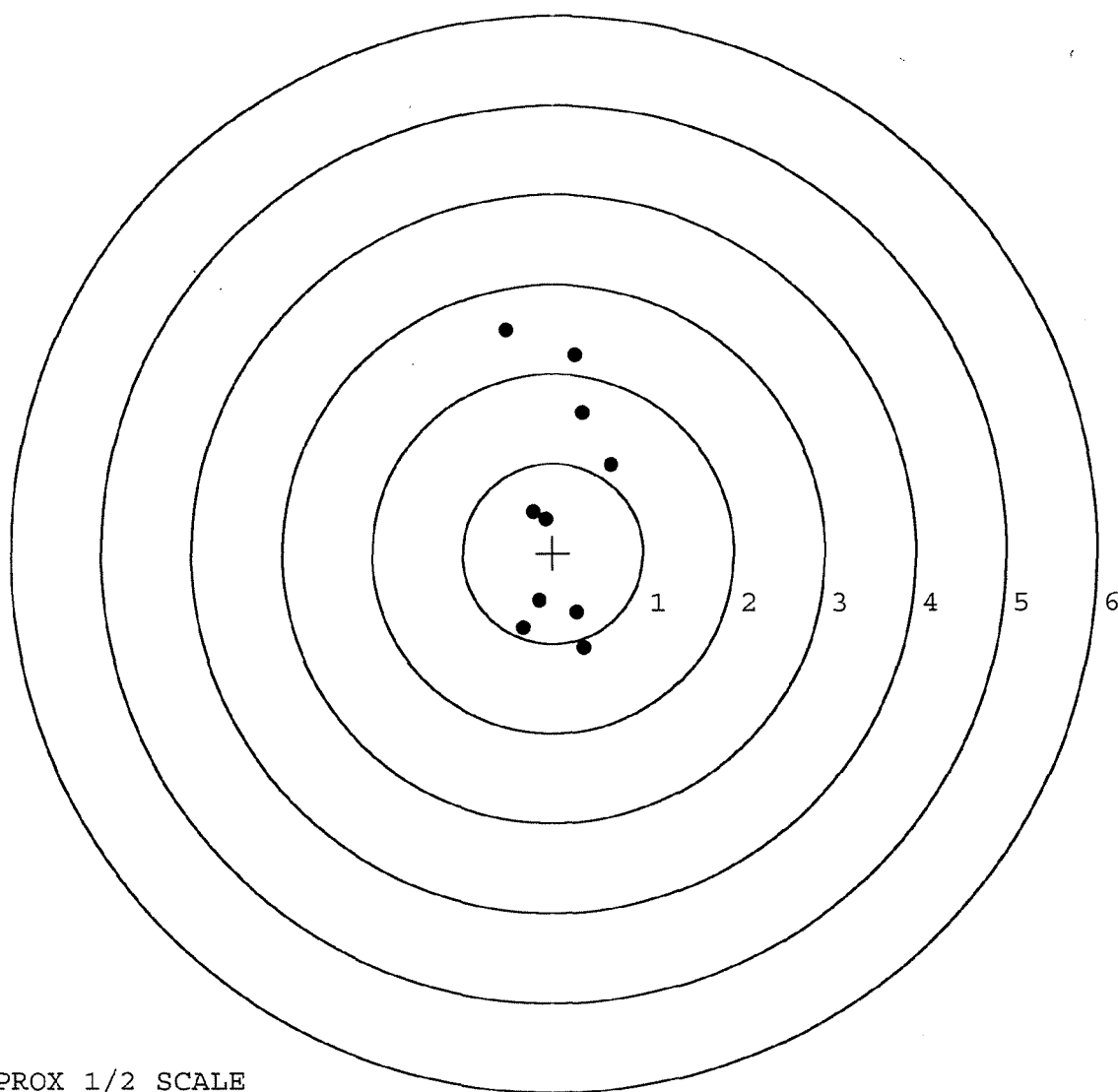
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |       |
|-------------------------------------------------------------|-------|
| The Average X Centroid of the Five Target Set:              | 0.014 |
| The Average Y Centroid of the Five Target Set:              | 0.087 |
| The Average Point of Impact of the Five Target Set:         | 0.088 |
| The Average Mean Radius of the Five Target Set:             | 0.714 |
| The Distance from POA to Centroid Target #1:                | 0.504 |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.507 |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.464 |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.586 |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.573 |

SERIAL NUMBER: G6616275. \_\_0  
TARGET NUMBER: 1  
FILE DATE: 02/08/2007  
FILE TIME: 11:13

X CENTROID: 0.054  
Y CENTROID: 0.501  
POA TO CENTROID: 0.504  
HORZ SPREAD: 1.173  
VERT SPREAD: 3.544  
GROUP SPREAD: 3.648  
MIN RADIUS: 0.185  
MAX RADIUS: 2.074  
MEAN RADIUS: 1.132  
# IN 1 IN DIAMETER: 2  
# IN 2 IN DIAMETER: 3  
# in 3 IN DIAMETER: 7

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.649  | 0.986  |
| 2:     | -0.079 | 0.373  |
| 3:     | -0.218 | 0.456  |
| 4:     | -0.149 | -0.533 |
| 5:     | 0.271  | -0.660 |
| 6:     | -0.332 | -0.830 |
| 7:     | 0.341  | -1.051 |
| 8:     | 0.329  | 1.572  |
| 9:     | 0.252  | 2.207  |
| 10:    | -0.524 | 2.493  |

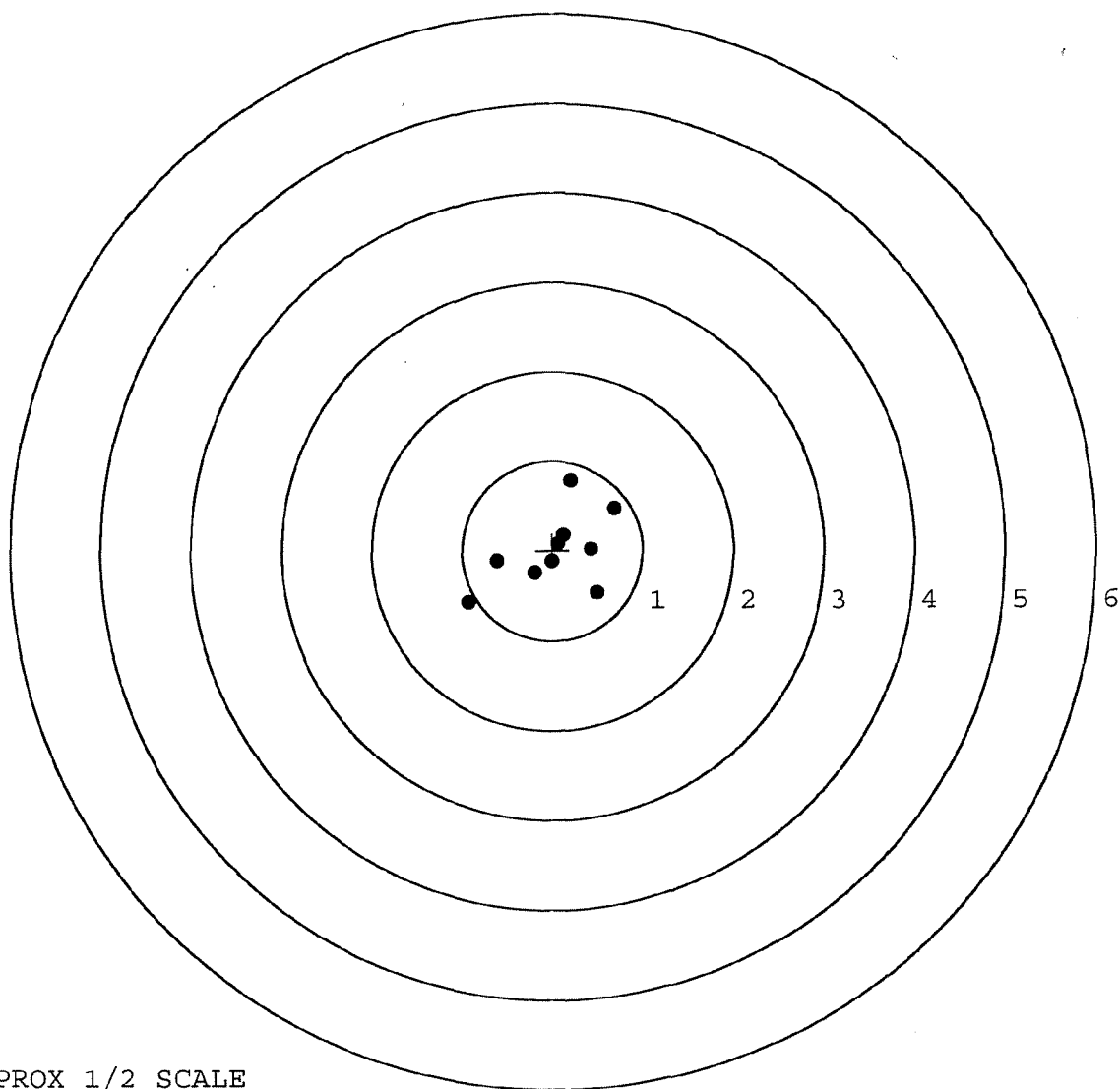


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6616275. \_\_0  
TARGET NUMBER: 2  
FILE DATE: 02/08/2007  
FILE TIME: 11:13

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.933 | -0.579 |
| 2:     | -0.613 | -0.125 |
| 3:     | 0.209  | 0.785  |
| 4:     | 0.691  | 0.471  |
| 5:     | 0.501  | -0.468 |
| 6:     | 0.429  | 0.018  |
| 7:     | 0.124  | 0.169  |
| 8:     | -0.012 | -0.129 |
| 9:     | -0.193 | -0.259 |
| 10:    | 0.063  | 0.069  |

X CENTROID: 0.027  
Y CENTROID: -0.005  
POA TO CENTROID: 0.027  
HORZ SPREAD: 1.624  
VERT SPREAD: 1.364  
GROUP SPREAD: 1.934  
MIN RADIUS: 0.082  
MAX RADIUS: 1.118  
MEAN RADIUS: 0.521  
# IN 1 IN DIAMETER: 5  
# IN 2 IN DIAMETER: 9  
# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE



SERIAL NUMBER: G6616275. \_\_0

TARGET NUMBER: 3

FILE DATE: 02/08/2007

FILE TIME: 11:13

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.017  | -0.262 |
| 2:     | 0.704  | 0.981  |
| 3:     | -0.840 | 0.774  |
| 4:     | -0.487 | 0.235  |
| 5:     | 0.080  | 0.202  |
| 6:     | -0.768 | -0.189 |
| 7:     | -0.192 | -0.190 |
| 8:     | -0.764 | -0.601 |
| 9:     | -0.215 | 0.012  |
| 10:    | -0.072 | -0.095 |

X CENTROID: -0.154

Y CENTROID: 0.087

POA TO CENTROID: 0.176

HORZ SPREAD: 1.857

VERT SPREAD: 1.582

GROUP SPREAD: 2.158

MIN RADIUS: 0.097

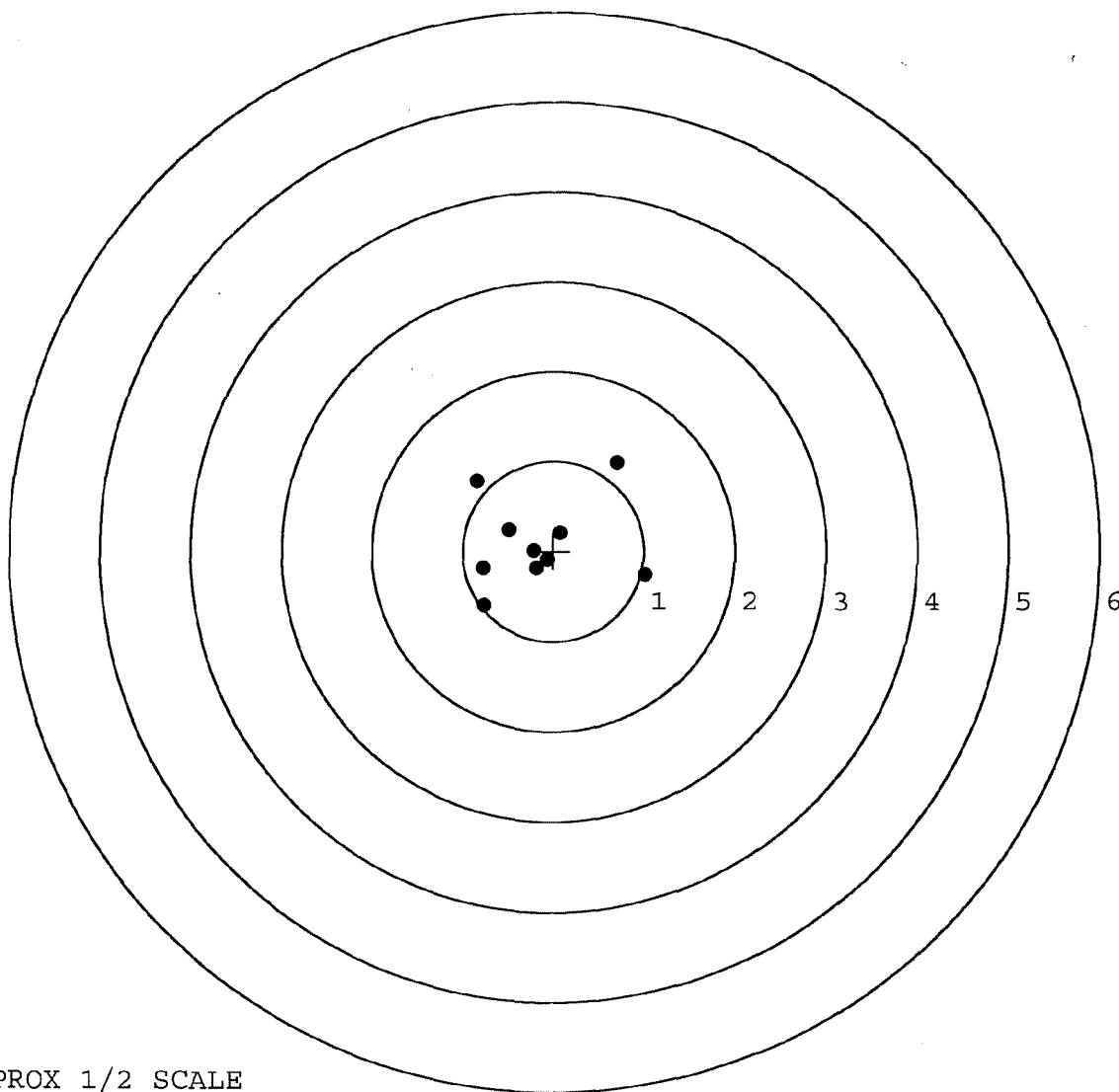
MAX RADIUS: 1.239

MEAN RADIUS: 0.623

# IN 1 IN DIAMETER: 5

# IN 2 IN DIAMETER: 8

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6616275. \_\_0

TARGET NUMBER: 4

FILE DATE: 02/08/2007

FILE TIME: 11:13

| POINT# | X | Y |
|--------|---|---|
|--------|---|---|

|    |       |       |
|----|-------|-------|
| 1: | 1.414 | 0.151 |
|----|-------|-------|

|    |       |       |
|----|-------|-------|
| 2: | 0.592 | 0.306 |
|----|-------|-------|

|    |       |       |
|----|-------|-------|
| 3: | 0.199 | 0.450 |
|----|-------|-------|

|    |       |       |
|----|-------|-------|
| 4: | 0.266 | 0.129 |
|----|-------|-------|

|    |       |        |
|----|-------|--------|
| 5: | 0.163 | -0.327 |
|----|-------|--------|

|    |        |        |
|----|--------|--------|
| 6: | -0.044 | -0.620 |
|----|--------|--------|

|    |        |        |
|----|--------|--------|
| 7: | -0.111 | -0.209 |
|----|--------|--------|

|    |        |        |
|----|--------|--------|
| 8: | -0.415 | -0.521 |
|----|--------|--------|

|    |        |        |
|----|--------|--------|
| 9: | -0.349 | -0.252 |
|----|--------|--------|

|     |        |       |
|-----|--------|-------|
| 10: | -0.371 | 0.098 |
|-----|--------|-------|

X CENTROID: 0.134

Y CENTROID: -0.079

POA TO CENTROID: 0.156

HORZ SPREAD: 1.829

VERT SPREAD: 1.070

GROUP SPREAD: 1.949

MIN RADIUS: 0.247

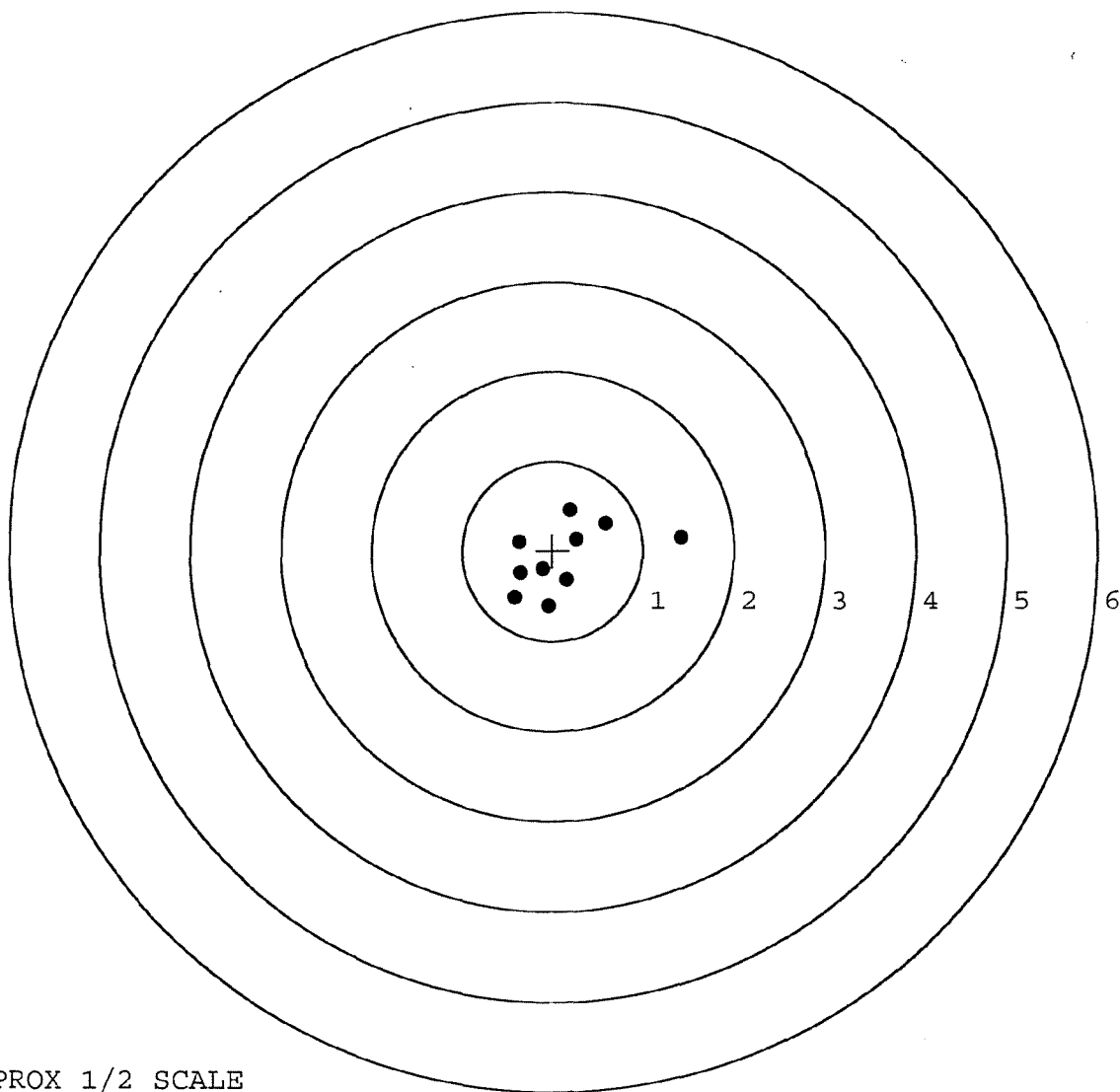
MAX RADIUS: 1.300

MEAN RADIUS: 0.553

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6616275. 0

TARGET NUMBER: 5

FILE DATE: 02/08/2007

FILE TIME: 11:13

| POINT# | X | Y |
|--------|---|---|
|--------|---|---|

|    |       |        |
|----|-------|--------|
| 1: | 0.957 | -1.162 |
|----|-------|--------|

|    |        |        |
|----|--------|--------|
| 2: | -0.297 | -1.026 |
|----|--------|--------|

|    |        |        |
|----|--------|--------|
| 3: | -0.408 | -0.574 |
|----|--------|--------|

|    |        |       |
|----|--------|-------|
| 4: | -1.073 | 0.521 |
|----|--------|-------|

|    |       |       |
|----|-------|-------|
| 5: | 0.893 | 0.699 |
|----|-------|-------|

|    |       |       |
|----|-------|-------|
| 6: | 0.398 | 0.670 |
|----|-------|-------|

|    |       |       |
|----|-------|-------|
| 7: | 0.157 | 0.025 |
|----|-------|-------|

|    |       |       |
|----|-------|-------|
| 8: | 0.053 | 0.136 |
|----|-------|-------|

|    |        |       |
|----|--------|-------|
| 9: | -0.157 | 0.072 |
|----|--------|-------|

|     |        |        |
|-----|--------|--------|
| 10: | -0.458 | -0.061 |
|-----|--------|--------|

X CENTROID: 0.007

Y CENTROID: -0.070

POA TO CENTROID: 0.070

HORZ SPREAD: 2.030

VERT SPREAD: 1.861

GROUP SPREAD: 2.637

MIN RADIUS: 0.178

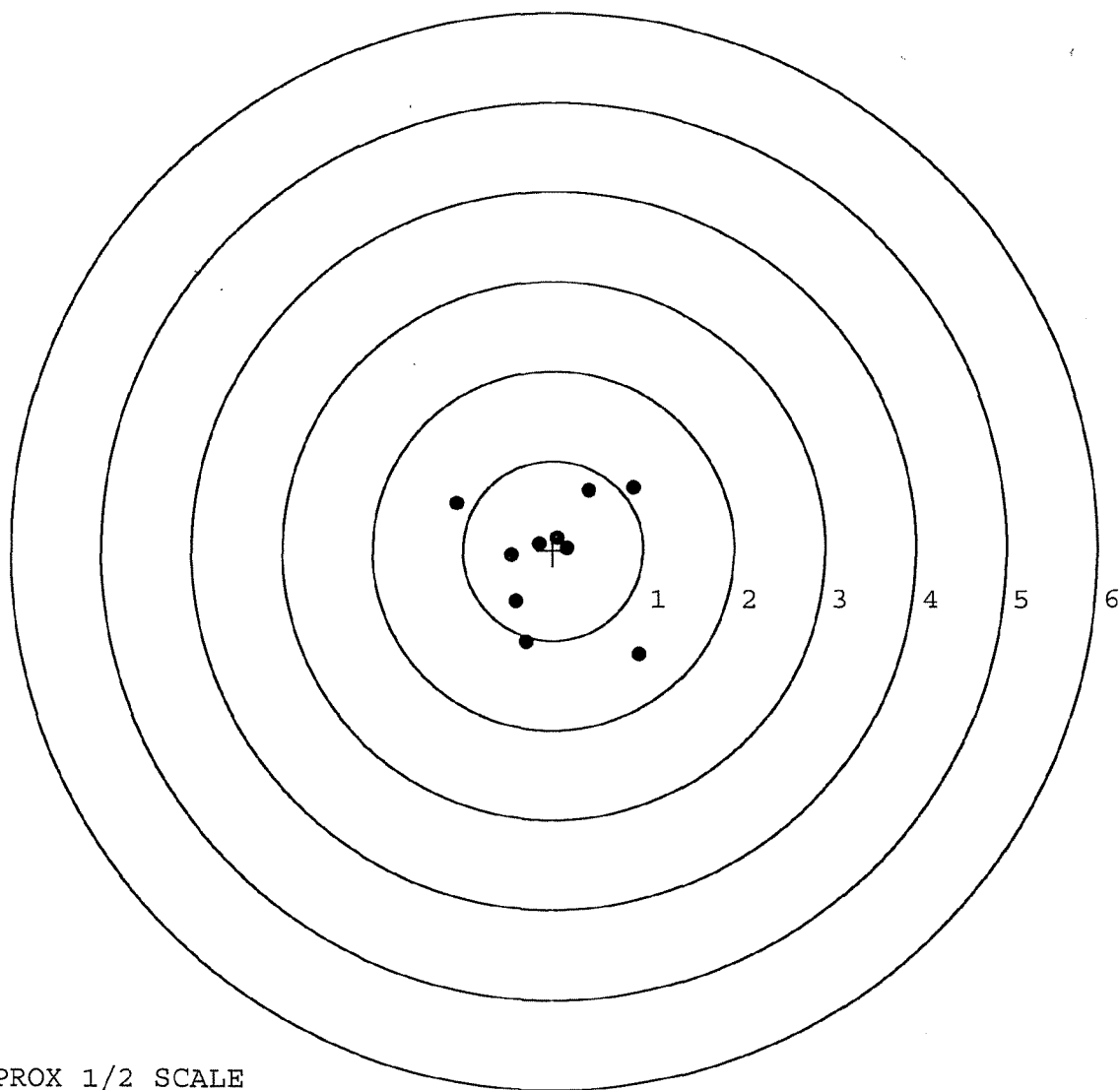
MAX RADIUS: 1.448

MEAN RADIUS: 0.742

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 6

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE