

66749779

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



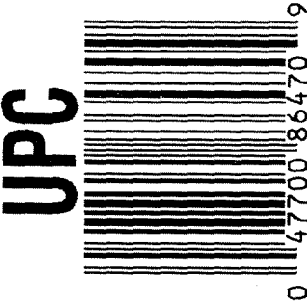
BM FORM

ORDER NO. **86470**

BARREL LENGTH 24"

CAPACITY 6

**G6749779**



## INSPECTION CHECKLIST-NEW GUNS

GUN SERIAL # G 6749779

| OP # | OPERATION NAME                                                 | READINGS | DATE    | INITIAL |
|------|----------------------------------------------------------------|----------|---------|---------|
| 420  | ASSEMBLE ACTION                                                |          | 6/11/08 | S.P.D.  |
| 430  | ASSEMBLE TO STOCK                                              |          | 6/11/08 | JP      |
| 440  | PROOF                                                          |          | 6-11-08 | SD      |
| 460  | CHECK HEADSPACE                                                |          | 6-11-08 | SD      |
| 470  | DIS-ASSEMBLE ACTION                                            |          | 6/11/08 | S.P.D.  |
| 472  | SERIALIZE BOLT HANDLE                                          |          | 6/12/08 | S.P.D.  |
| 475  | DRILL AND TAP<br>SIGHT HOLES                                   |          | 6-13-08 | TRW     |
| 480  | MAGNAFLUX BBL ACTION                                           |          | 6/16/08 | Curry   |
| 490  | MAGNAFLUX BOLT                                                 |          |         |         |
| 500  | ROLLMARK CALIBER                                               |          | 6/16/08 | RT      |
| 520  | GOFF BLAST BBL / REC                                           |          | 6/17/08 | TL      |
| 542  | APPLY COATINGS<br>(BARREL ACTION)                              |          | 6/18/08 | Ln      |
| 545  | (BOLT)                                                         |          |         |         |
| 560  | RE-ASSEMBLE ACTION                                             |          |         |         |
|      | A) CLEAN INSIDE OF<br>BOLT ASSEMBLY                            |          | 6-19-08 | PSW     |
|      | B) INSPECT REAR FIRING<br>PIN HOLE FOR CHAMFER<br>IN BOLT HEAD |          | 6-19-08 | PSW     |
|      | C) INSPECT EJECTOR<br>HOLE FOR CHAMFER                         |          | 6-19-08 | PSW     |
|      | D) OIL FIRING PIN ASSEMBLY                                     |          | 6-19-08 | PSW     |
|      | E) ADJUST TRIGGER PULL<br>TO MIN. SETTING AND<br>STAKE         |          |         |         |
|      |                                                                |          |         |         |

F004 REV 5/2006

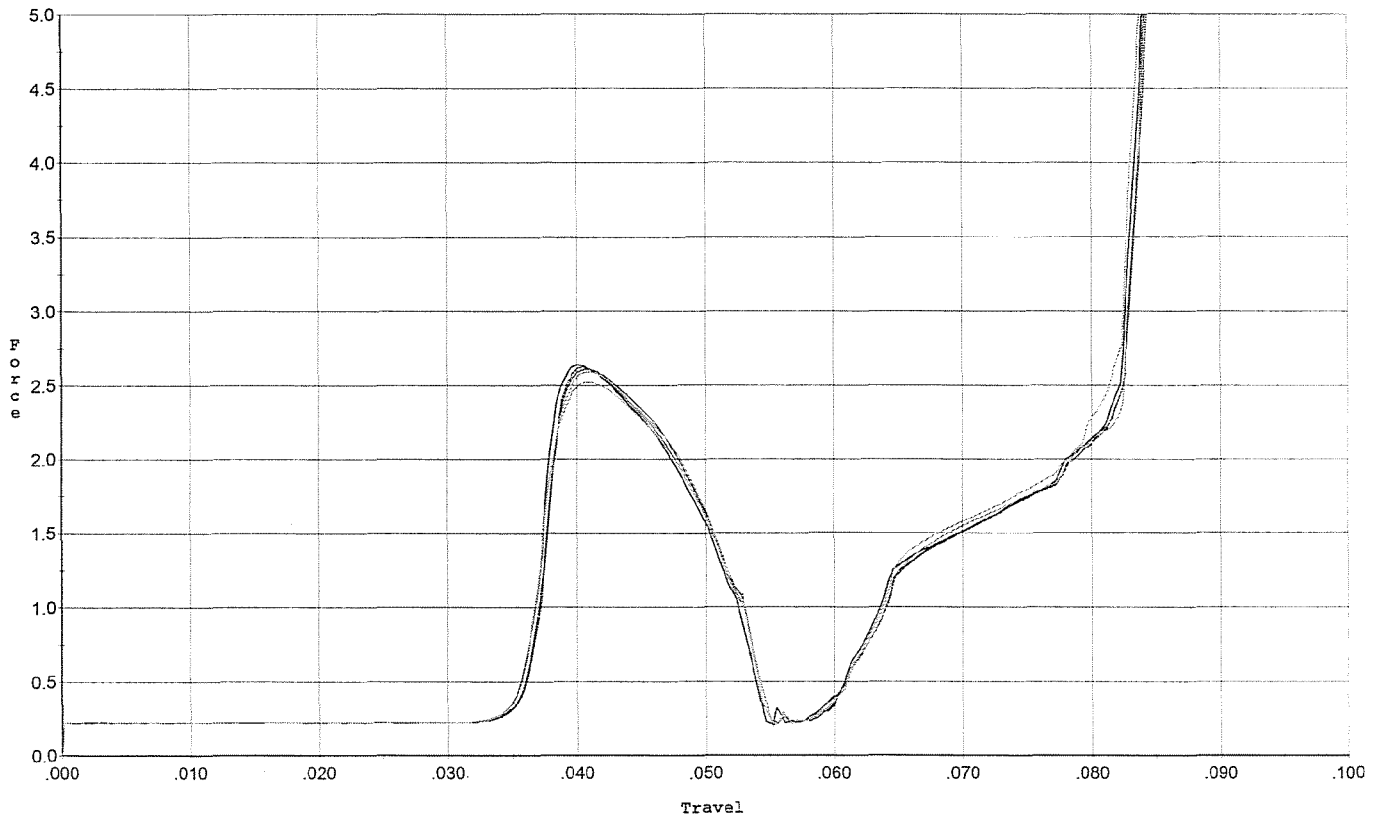
| OP #         | OPERATION NAME                                                           | READINGS                                                    | DATE           | INITIAL    |
|--------------|--------------------------------------------------------------------------|-------------------------------------------------------------|----------------|------------|
| 560          | F) SAFETY ON FORCE <span>2 LBS MIN<br/>10 LBS MAX</span>                 | <u>6.50</u> <u>6.50</u> <u>6.50</u>                         | <u>6-26-08</u> | <u>RTZ</u> |
| CONT.        | G) SAFETY OFF FORCE <span>2 LBS MIN</span>                               | <u>4.0</u> <u>4.0</u> <u>4.0</u>                            | <u>6-26-08</u> | <u>RTZ</u> |
|              | H) TRIGGER PULL TEST<br>AND RETAINABILITY                                |                                                             |                |            |
|              | I) FIRING PIN INDENT <span>.020 MIN</span>                               | <u>.022</u> <u>.022</u> <u>.022</u>                         | <u>6-26-08</u> | <u>RTZ</u> |
|              | J) ASSEMBLE STOCK                                                        |                                                             | <u>6-19-08</u> | <u>PSN</u> |
|              | K) ASSEMBLE SWIVEL<br>STUDS                                              |                                                             | <u>6-27-08</u> | <u>PSN</u> |
|              | L) ATTACH FRONT AND<br>REAR SIGHT ASSY'S                                 |                                                             |                |            |
|              | M) IRON SIGHT<br>ALIGNMENT                                               |                                                             |                |            |
|              | N) DETACH FRONT AND<br>REAR SIGHTS AND PLACE<br>IN NUMBERED CONTAINER    |                                                             |                |            |
| 640 &<br>650 | FUNCTION TEST AND<br>TARGET                                              | <u>PASS</u> FAIL<br><u>PASS</u> <u>OK scope</u> FAIL        | <u>6-26-08</u> | <u>SD</u>  |
|              | MALFUNCTION                                                              | CORRECTION                                                  |                |            |
|              | MALFUNCTION                                                              | CORRECTION <u>NA</u>                                        |                |            |
|              | MALFUNCTION                                                              | CORRECTION                                                  |                |            |
|              | MALFUNCTION                                                              | CORRECTION                                                  |                |            |
| 660          | INSPECT FOR LIVE AMMO                                                    |                                                             | <u>6-20-08</u> | <u>SP</u>  |
| 670          | FINAL INSPECTION<br>A) HEADSPACE                                         |                                                             | <u>6-27-08</u> | <u>PSN</u> |
|              | B) TRIGGER PULL <span>+/- .5 LBS<br/>MIN 2.50 LBS<br/>MAX 4.0 LBS</span> | <u>2.48</u> <u>2.42</u> <u>2.24</u> <u>2.41</u> <u>2.46</u> | <u>6-26-08</u> | <u>RTZ</u> |
|              | C) FUNCTION                                                              |                                                             | <u>8/24/08</u> | <u>Fm</u>  |
| 690          | PACK                                                                     |                                                             | <u>8/24/08</u> | <u>Fm</u>  |

F004 REV 5/2006

## Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: R. Putch 6/11/08

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



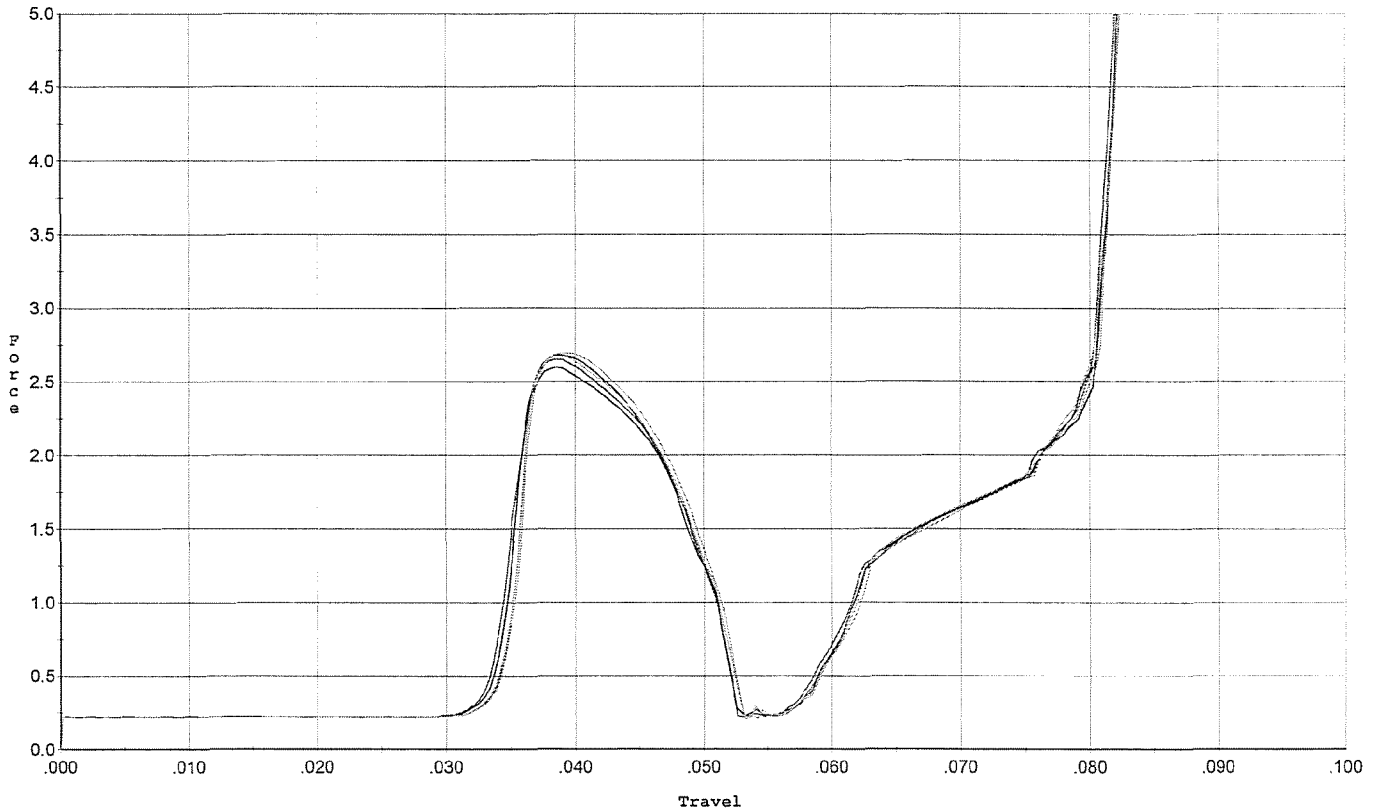
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.608      | 0.053             | 0.036           | 0.037      | 0.041             |           | Set Trigger |
| 2 | 2.641      | 0.053             | 0.035           | 0.037      | 0.042             |           | Set Trigger |
| 3 | 2.625      | 0.053             | 0.036           | 0.038      | 0.041             |           | Set Trigger |
| 4 | 2.522      | 0.053             | 0.035           | 0.037      | 0.041             |           | Set Trigger |
| 5 | 2.592      | 0.053             | 0.035           | 0.037      | 0.042             |           | Set Trigger |

Avg 2.59

## Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: R. Putsch 6/11/08

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



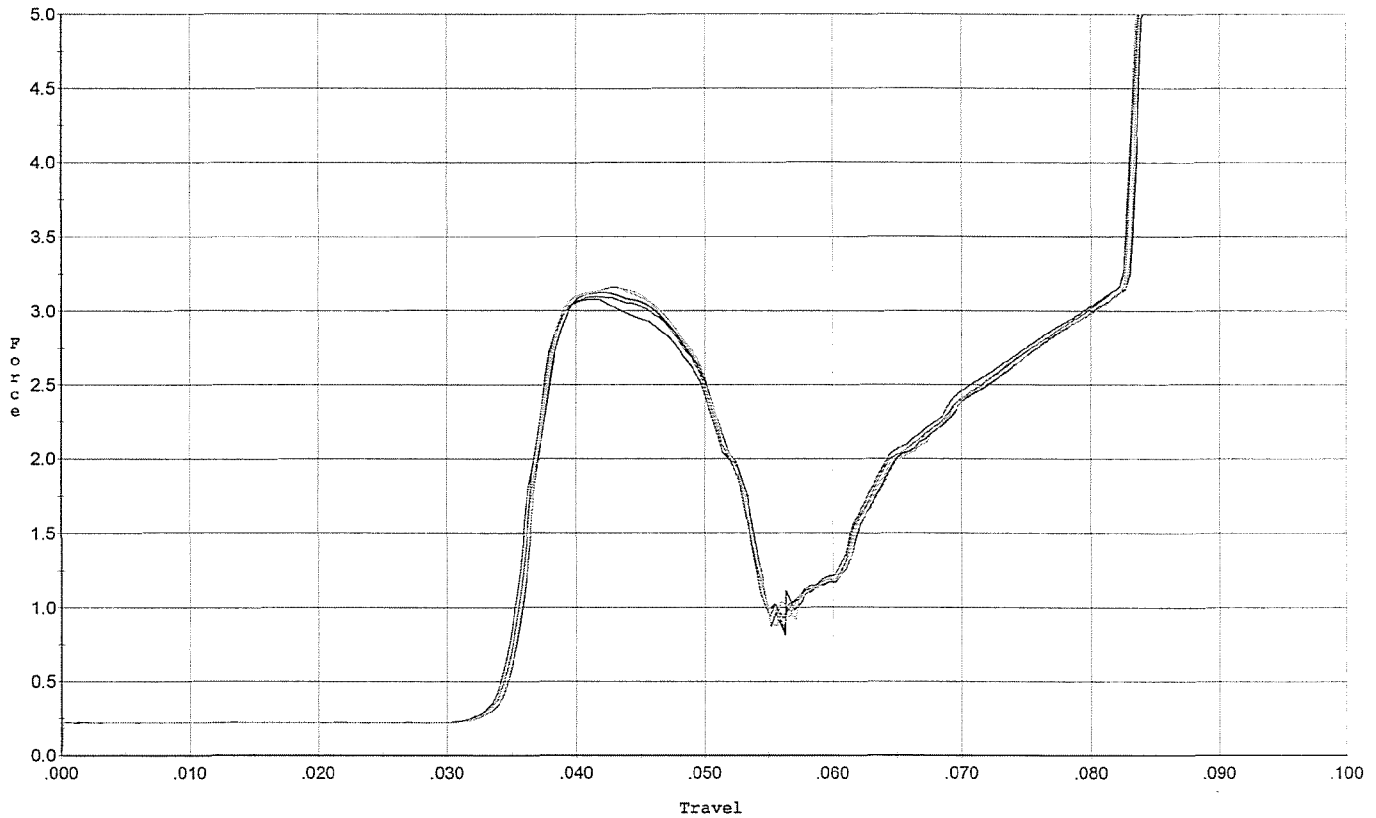
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.675      | 0.051             | 0.033           | 0.036      | 0.043             |           | Set Trigger |
| 2 | 2.601      | 0.051             | 0.033           | 0.036      | 0.042             |           | Set Trigger |
| 3 | 2.654      | 0.051             | 0.034           | 0.036      | 0.042             |           | Set Trigger |
| 4 | 2.685      | 0.052             | 0.034           | 0.036      | 0.043             |           | Set Trigger |
| 5 | 2.694      | 0.052             | 0.034           | 0.036      | 0.043             |           | Set Trigger |

Avg 2.66

## Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: R. Putsch 6/11/08

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



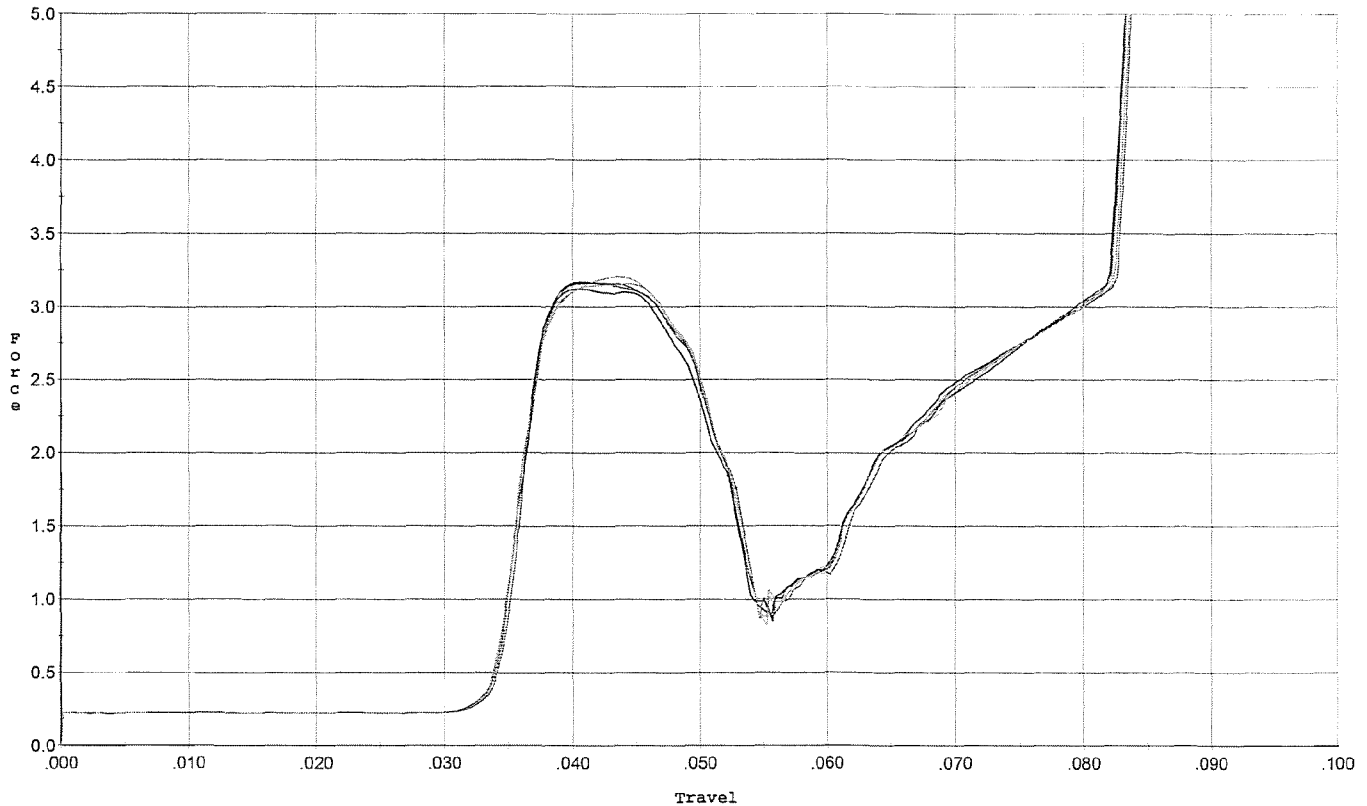
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 3.080      | 0.053             | 0.034           | 0.036      | 0.055             |           | Set Trigger |
| 2 | 3.124      | 0.053             | 0.034           | 0.036      | 0.055             |           | Set Trigger |
| 3 | 3.095      | 0.053             | 0.034           | 0.036      | 0.055             |           | Set Trigger |
| 4 | 3.163      | 0.054             | 0.034           | 0.036      | 0.056             |           | Set Trigger |
| 5 | 3.158      | 0.053             | 0.034           | 0.036      | 0.055             |           | Set Trigger |

AVG 3.12

## Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: R. Putch 6/11/08

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



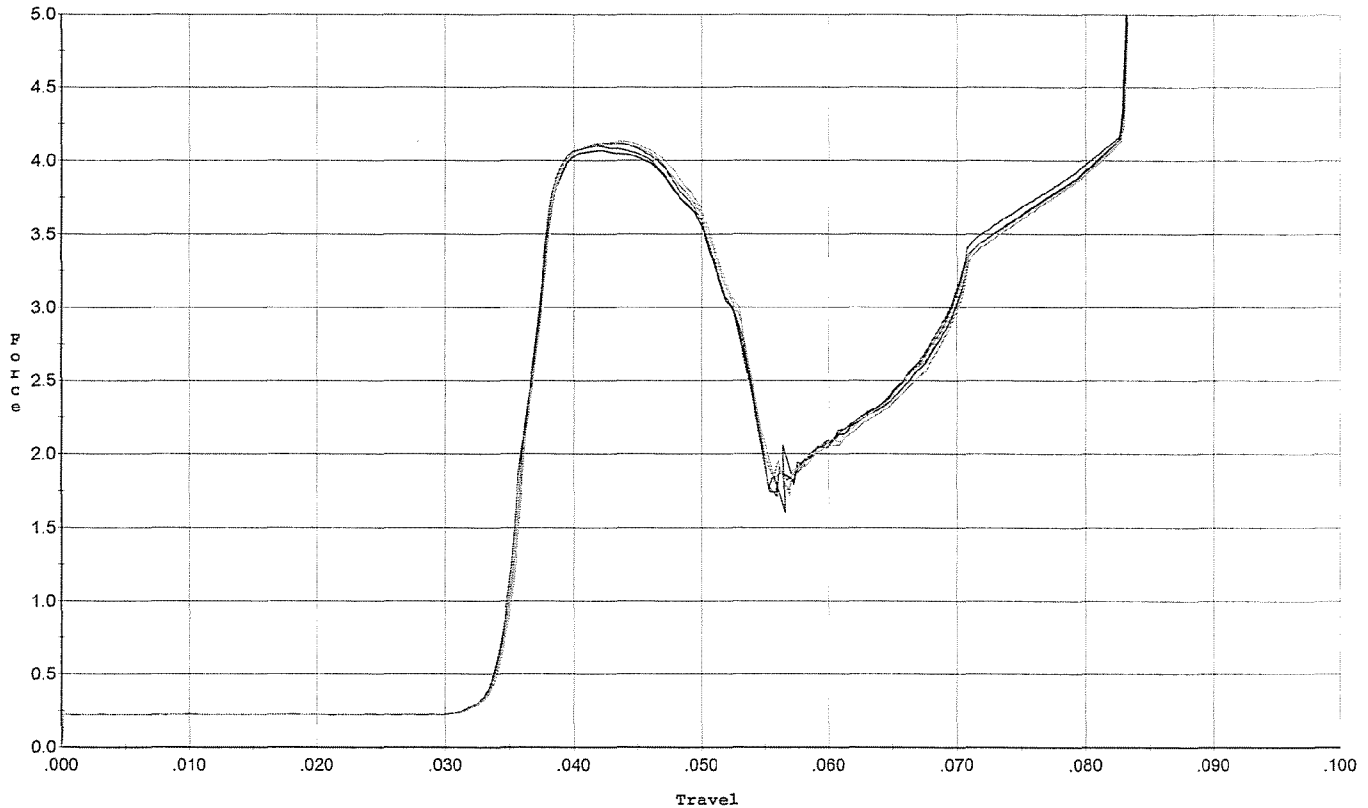
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 3.172      | 0.052             | 0.034           | 0.036      | 0.056             |           | Set Trigger |
| 2 | 3.122      | 0.052             | 0.034           | 0.036      | 0.055             |           | Set Trigger |
| 3 | 3.162      | 0.053             | 0.034           | 0.036      | 0.057             |           | Set Trigger |
| 4 | 3.159      | 0.053             | 0.034           | 0.036      | 0.057             |           | Set Trigger |
| 5 | 3.207      | 0.053             | 0.033           | 0.035      | 0.058             |           | Set Trigger |

Avg 3.16

## Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: R. Putch 6/11/08

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



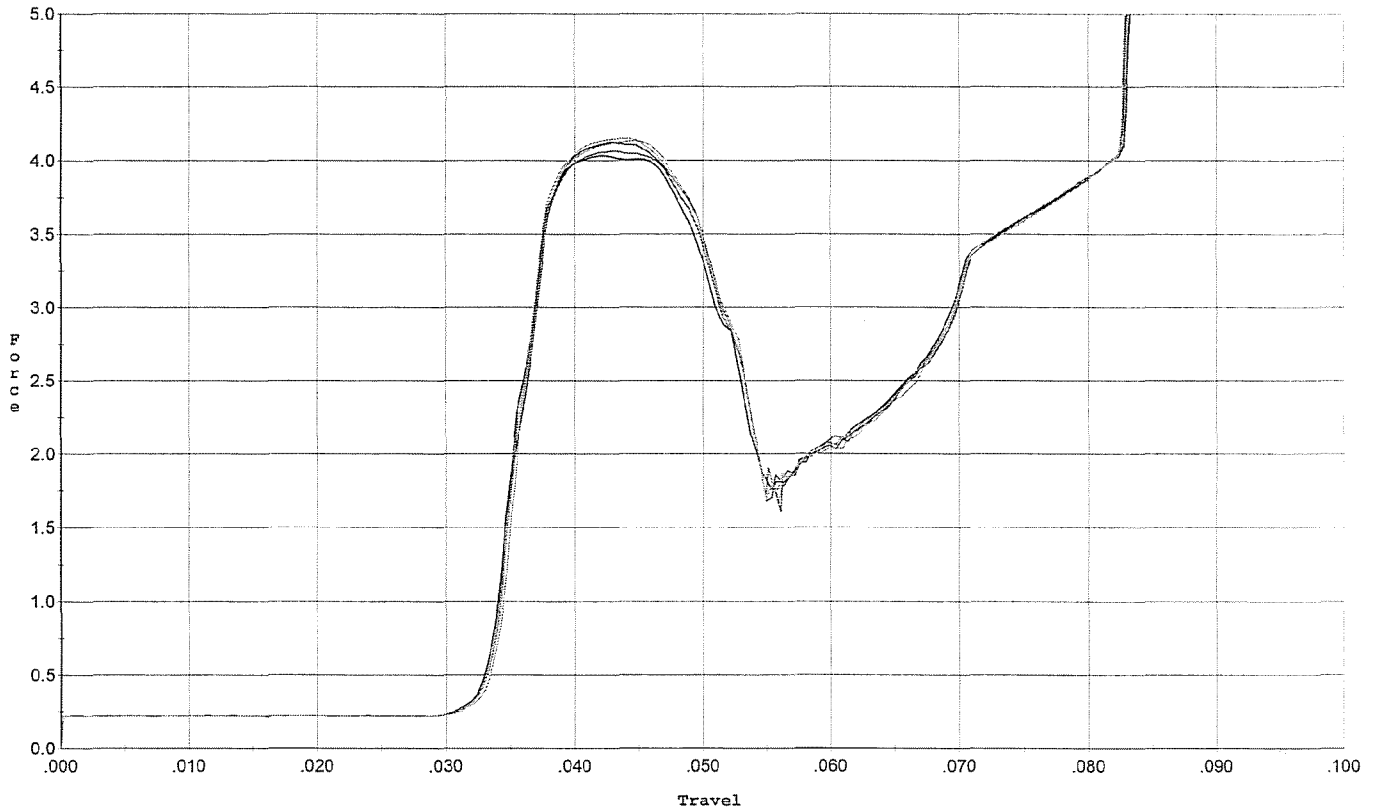
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 4.101      | 0.053             | 0.033           | 0.034      | 0.074             |           | Set Trigger |
| 2 | 4.068      | 0.053             | 0.033           | 0.034      | 0.074             |           | Set Trigger |
| 3 | 4.118      | 0.054             | 0.034           | 0.034      | 0.075             |           | Set Trigger |
| 4 | 4.131      | 0.053             | 0.033           | 0.034      | 0.074             |           | Set Trigger |
| 5 | 4.116      | 0.053             | 0.034           | 0.034      | 0.074             |           | Set Trigger |

Avg 4.10

## Trigger Profile [ lbs,inch ]

Profile: SWS  
GunType: Rifle  
Make: Remington  
Note: R. Putch 6/11/08

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



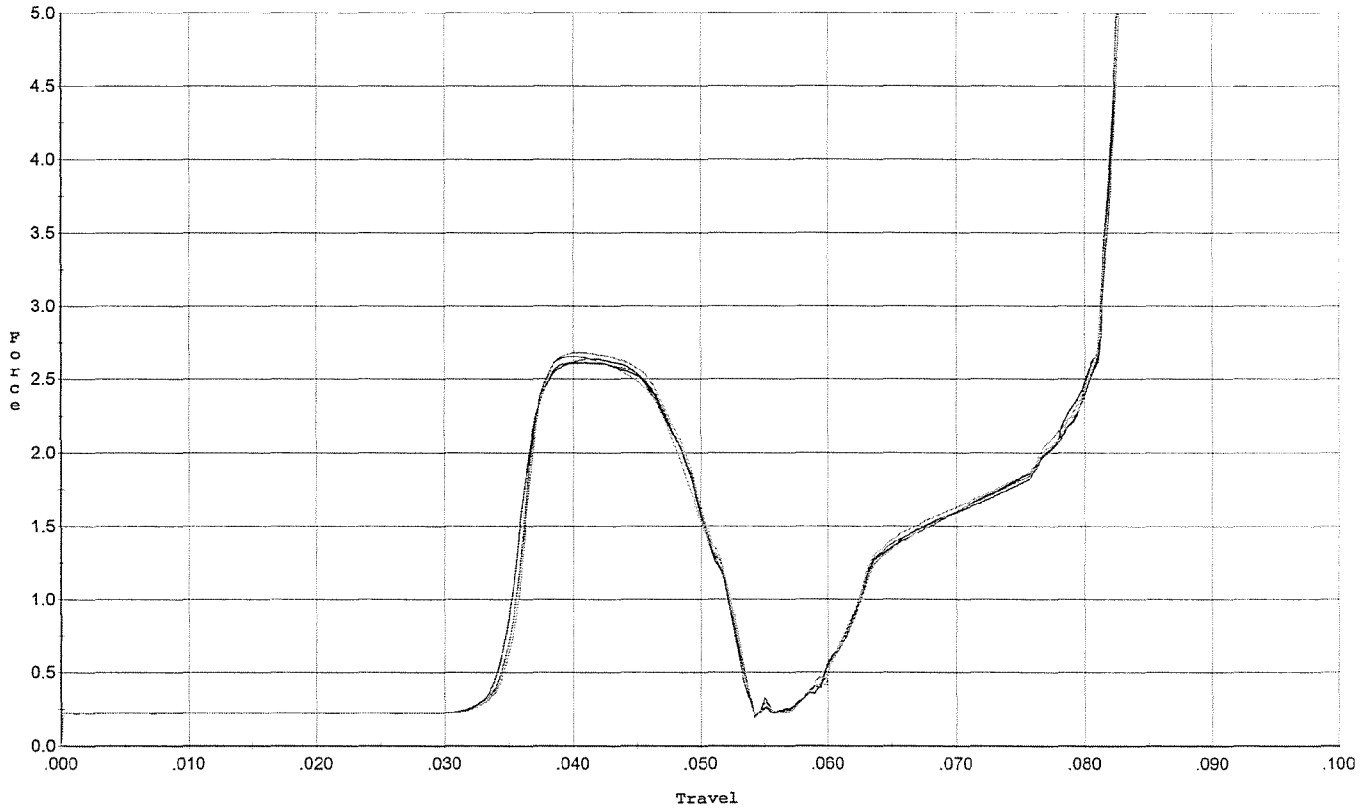
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 4.125      | 0.053             | 0.033           | 0.034      | 0.075             |           | Set Trigger |
| 2 | 4.031      | 0.052             | 0.033           | 0.034      | 0.072             |           | Set Trigger |
| 3 | 4.065      | 0.053             | 0.033           | 0.034      | 0.074             |           | Set Trigger |
| 4 | 4.148      | 0.053             | 0.033           | 0.034      | 0.075             |           | Set Trigger |
| 5 | 4.135      | 0.053             | 0.033           | 0.034      | 0.074             |           | Set Trigger |

Avg 4.10

## Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: R. Putsch 6/11/08

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



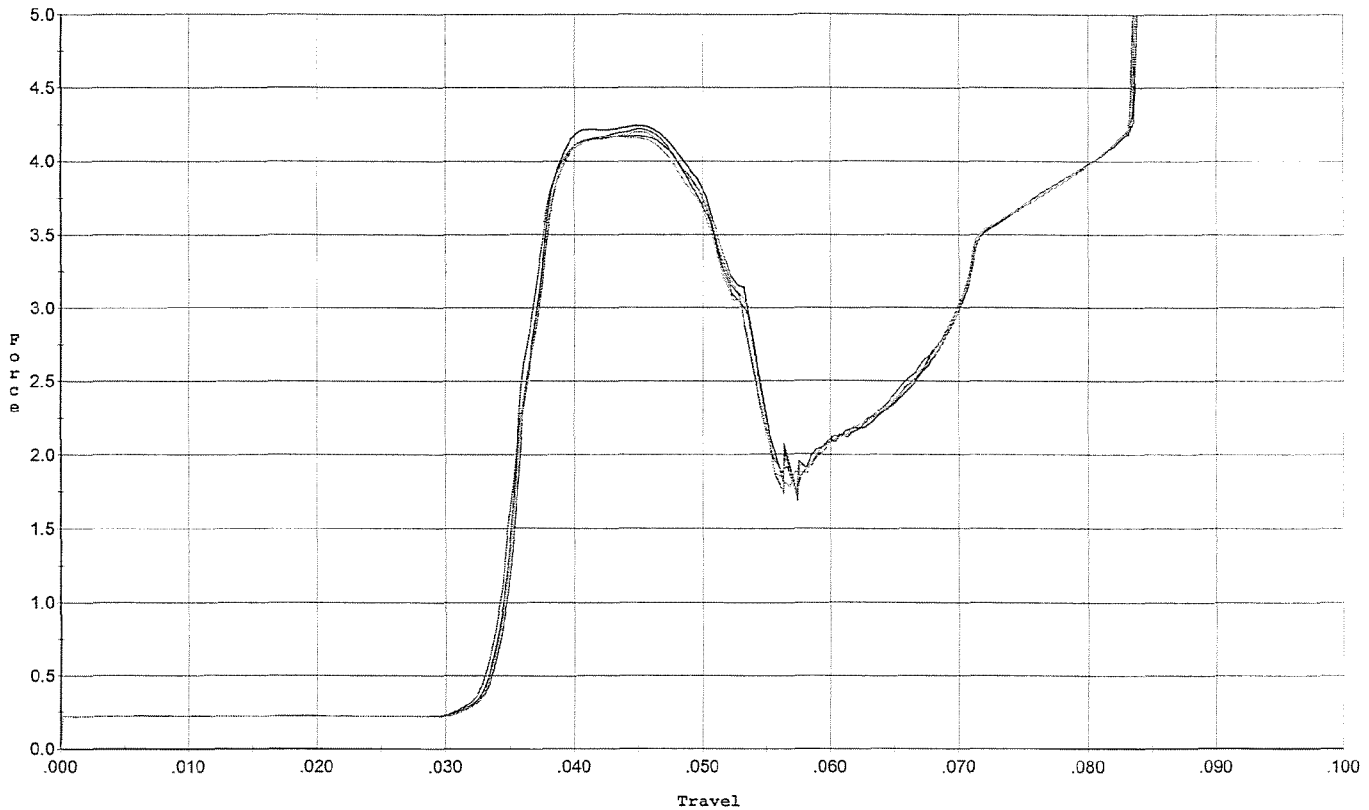
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.634      | 0.052             | 0.034           | 0.036      | 0.045             |           | Set Trigger |
| 2 | 2.609      | 0.052             | 0.034           | 0.036      | 0.044             |           | Set Trigger |
| 3 | 2.651      | 0.052             | 0.034           | 0.036      | 0.045             |           | Set Trigger |
| 4 | 2.635      | 0.053             | 0.034           | 0.036      | 0.045             |           | Set Trigger |
| 5 | 2.680      | 0.053             | 0.034           | 0.036      | 0.046             |           | Set Trigger |

Avg 2.64

## Trigger Profile [ lbs,inch ]

Profile SWS  
 GunType: Rifle  
 Make: Remington  
 Note: R. Putch 6/11/08

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 | 4.170      | 0.053             | 0.033           | 0.034      | 0.077             |           | Set Trigger |
| 2 | 4.241      | 0.053             | 0.033           | 0.034      | 0.079             |           | Set Trigger |
| 3 | 4.220      | 0.054             | 0.033           | 0.034      | 0.080             |           | Set Trigger |
| 4 | 4.171      | 0.053             | 0.033           | 0.034      | 0.076             |           | Set Trigger |
| 5 | 4.199      | 0.053             | 0.033           | 0.034      | 0.078             |           | Set Trigger |

Avg 4.20

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6749779.\_\_\_0

FILE DATE AND TIME: 06/23/2008 05:50

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.018 |
| The Average Y Centroid of the Five Target Set:              | -0.077 |
| The Average Point of Impact of the Five Target Set:         | 0.079  |
| The Average Mean Radius of the Five Target Set:             | 0.709  |
| The Distance from POA to Centroid Target #1:                | 0.245  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.225  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.203  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.497  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.095  |

**BARBER - M24 0138757**

SERIAL NUMBER: G6749779. 0

TARGET NUMBER: 1

FILE DATE: 06/23/2008

FILE TIME: 05:50

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.513  | -0.799 |
| 2:     | 0.390  | -0.433 |
| 3:     | 0.437  | 0.007  |
| 4:     | 0.571  | 0.548  |
| 5:     | 0.178  | 0.609  |
| 6:     | -0.276 | 0.425  |
| 7:     | -0.291 | -0.586 |
| 8:     | -0.645 | -0.443 |
| 9:     | -1.459 | -0.057 |
| 10:    | -0.362 | -1.527 |

X CENTROID: -0.094

Y CENTROID: -0.226

POA TO CENTROID: 0.245

HORZ SPREAD: 2.030

VERT SPREAD: 2.136

GROUP SPREAD: 2.118

MIN RADIUS: 0.411

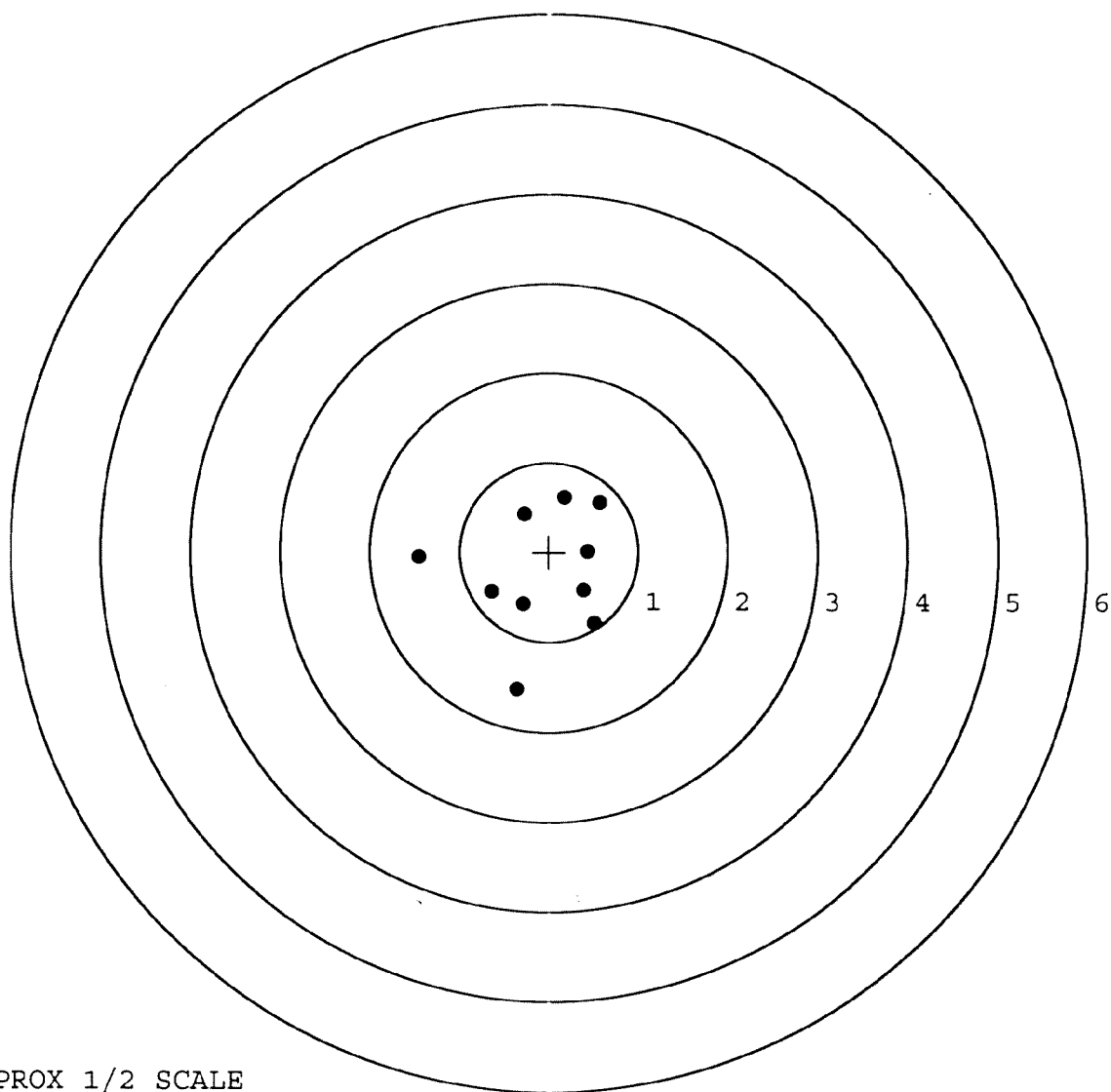
MAX RADIUS: 1.375

MEAN RADIUS: 0.822

# IN 1 IN DIAMETER: 1

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

**BARBER - M24 0138758**

SERIAL NUMBER: G6749779. \_\_0

TARGET NUMBER: 2

FILE DATE: 06/23/2008

FILE TIME: 05:50

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.998  | 0.458  |
| 2:     | 0.459  | 0.434  |
| 3:     | 0.420  | 0.694  |
| 4:     | 0.449  | -0.146 |
| 5:     | 0.053  | -0.591 |
| 6:     | -0.369 | -0.665 |
| 7:     | -0.222 | -0.359 |
| 8:     | -0.714 | -0.227 |
| 9:     | -0.411 | 0.280  |
| 10:    | -0.041 | -0.514 |

X CENTROID: 0.062

Y CENTROID: -0.064

POA TO CENTROID: 0.089

HORZ SPREAD: 1.712

VERT SPREAD: 1.359

GROUP SPREAD: 1.844

MIN RADIUS: 0.395

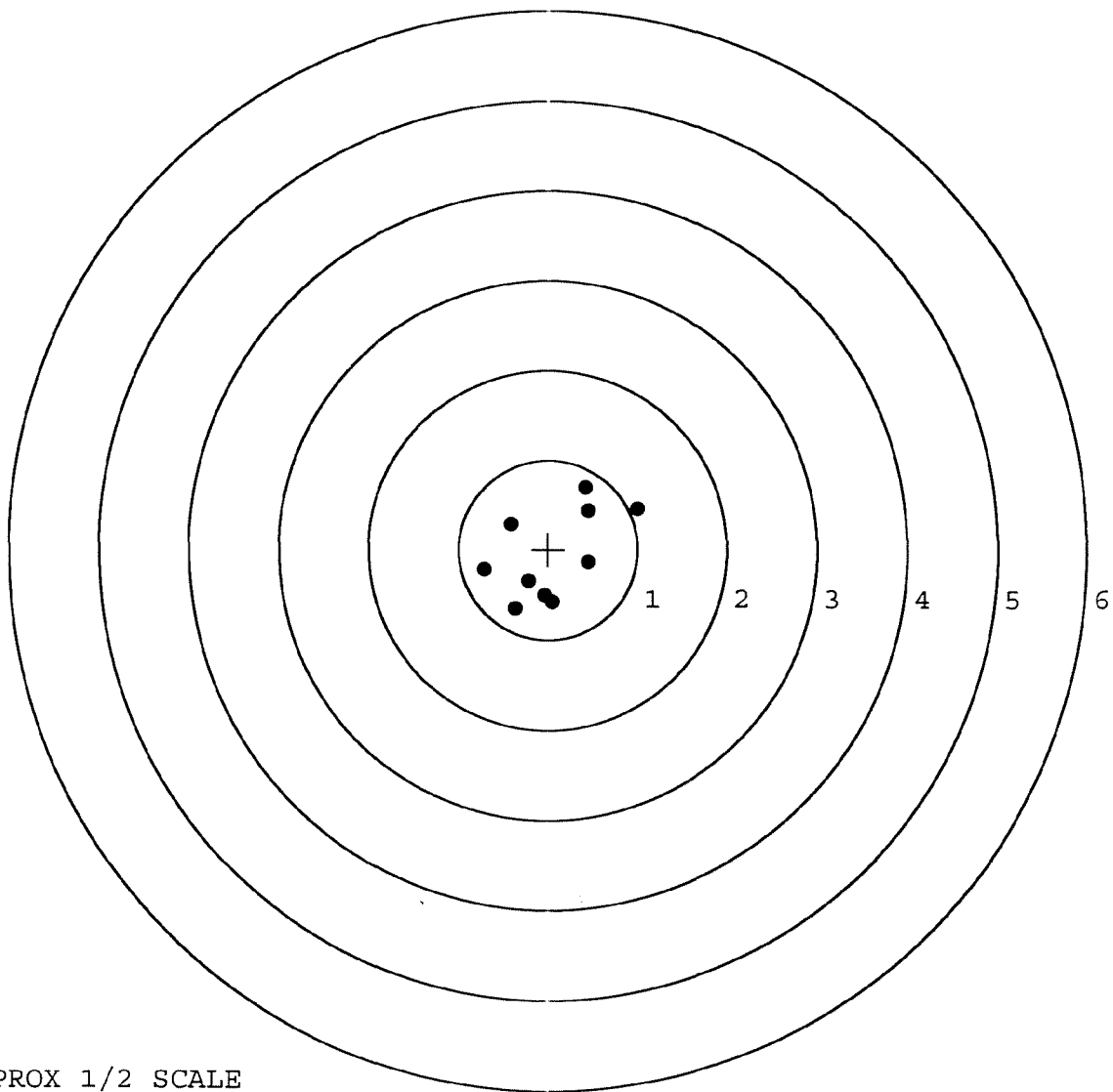
MAX RADIUS: 1.071

MEAN RADIUS: 0.646

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

**BARBER - M24 0138759**

SERIAL NUMBER: G6749779. \_\_ 0

TARGET NUMBER: 3

FILE DATE: 06/23/2008

FILE TIME: 05:50

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.698  | -1.106 |
| 2:     | -0.188 | -1.368 |
| 3:     | 0.725  | -0.219 |
| 4:     | 0.553  | -0.186 |
| 5:     | 0.412  | -0.366 |
| 6:     | -0.217 | -0.272 |
| 7:     | -0.655 | -0.184 |
| 8:     | 0.305  | 0.479  |
| 9:     | -0.106 | 0.714  |
| 10:    | -0.472 | 0.578  |

X CENTROID: 0.106

Y CENTROID: -0.193

POA TO CENTROID: 0.220

HORZ SPREAD: 1.380

VERT SPREAD: 2.082

GROUP SPREAD: 2.084

MIN RADIUS: 0.332

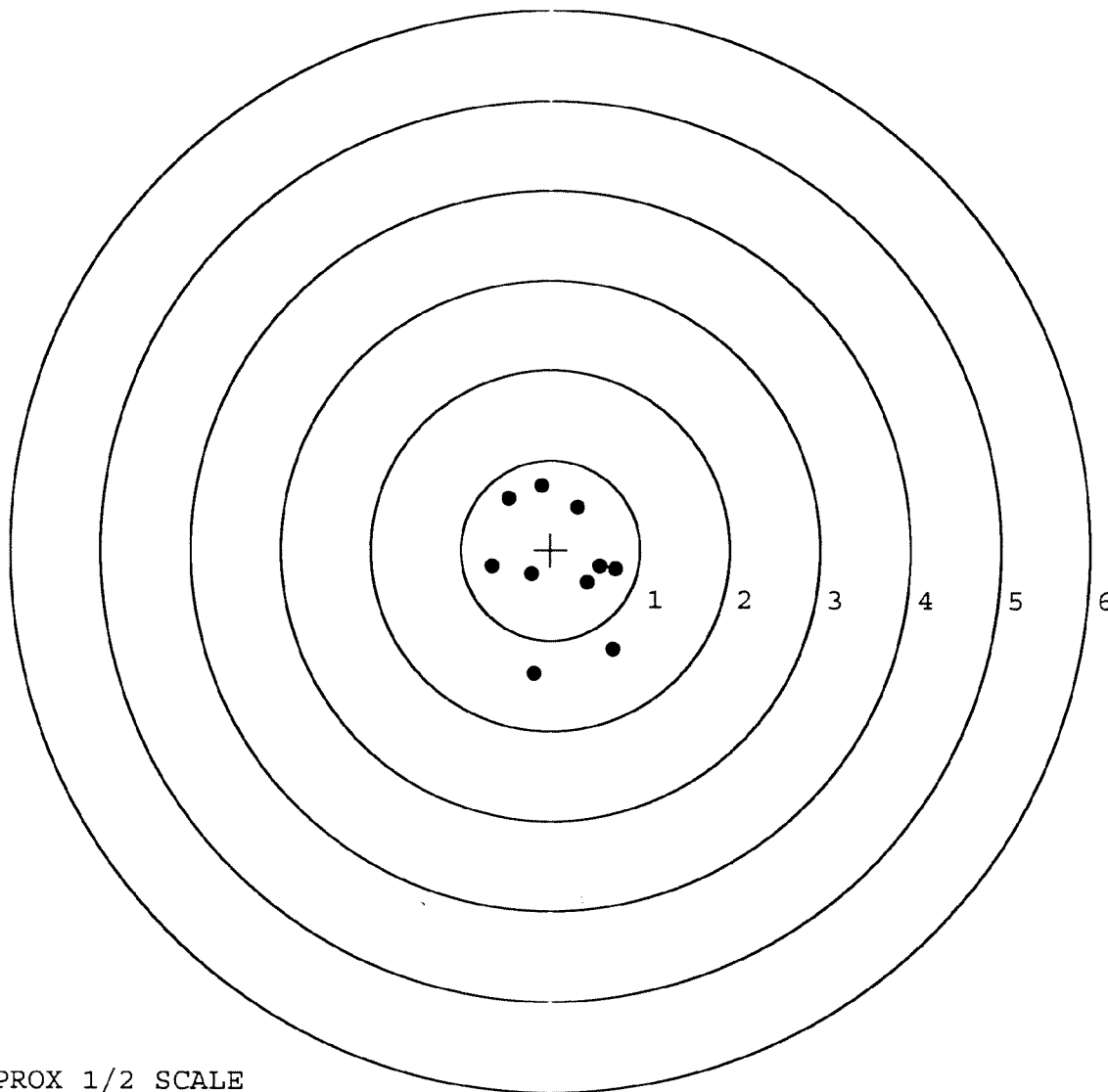
MAX RADIUS: 1.211

MEAN RADIUS: 0.741

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 8

# in 3 IN DIAMETER: 10



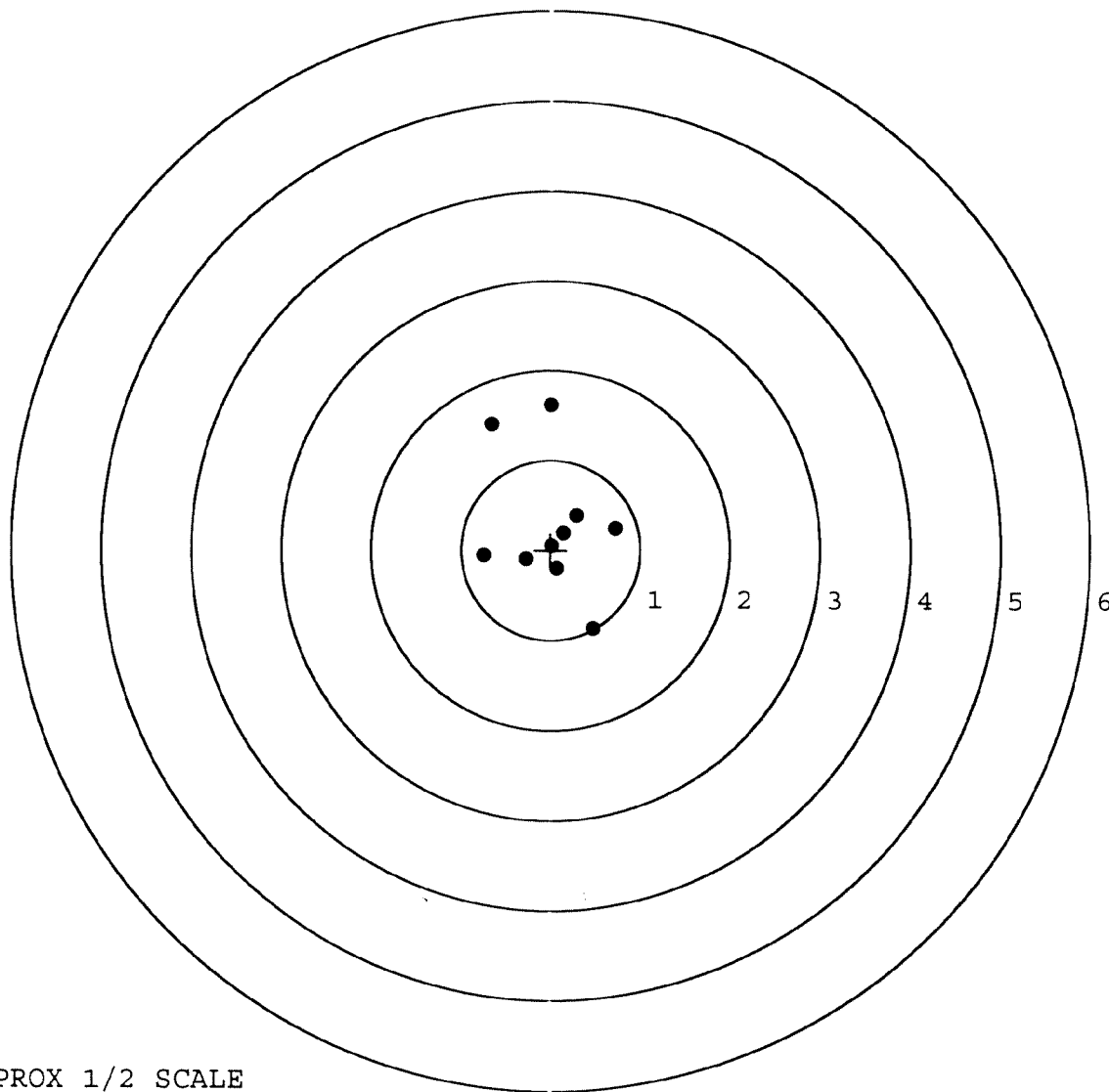
TARGET APPROX 1/2 SCALE

**BARBER - M24 0138760**

SERIAL NUMBER: G6749779. \_\_0  
 TARGET NUMBER: 4  
 FILE DATE: 06/23/2008  
 FILE TIME: 05:50

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.002  | 1.607  |
| 2:     | -0.661 | 1.399  |
| 3:     | 0.721  | 0.236  |
| 4:     | 0.479  | -0.880 |
| 5:     | 0.293  | 0.383  |
| 6:     | 0.144  | 0.191  |
| 7:     | 0.008  | 0.050  |
| 8:     | 0.073  | -0.207 |
| 9:     | -0.279 | -0.102 |
| 10:    | -0.751 | -0.064 |

X CENTROID: 0.003  
 Y CENTROID: 0.261  
 POA TO CENTROID: 0.261  
 HORZ SPREAD: 1.472  
 VERT SPREAD: 2.487  
 GROUP SPREAD: 2.532  
 MIN RADIUS: 0.158  
 MAX RADIUS: 1.346  
 MEAN RADIUS: 0.706  
 # IN 1 IN DIAMETER: 5  
 # IN 2 IN DIAMETER: 7  
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

**BARBER - M24 0138761**

SERIAL NUMBER: G6749779. \_\_0

TARGET NUMBER: 5

FILE DATE: 06/23/2008

FILE TIME: 05:50

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.645  | -0.754 |
| 2:     | 0.605  | 0.009  |
| 3:     | 0.402  | 0.302  |
| 4:     | -0.514 | -1.193 |
| 5:     | -0.740 | -0.523 |
| 6:     | -0.207 | -0.250 |
| 7:     | -0.407 | -0.059 |
| 8:     | -0.435 | 0.128  |
| 9:     | -0.575 | 0.206  |
| 10:    | -0.430 | 0.506  |

X CENTROID: -0.166

Y CENTROID: -0.163

POA TO CENTROID: 0.232

HORZ SPREAD: 1.385

VERT SPREAD: 1.699

GROUP SPREAD: 1.753

MIN RADIUS: 0.097

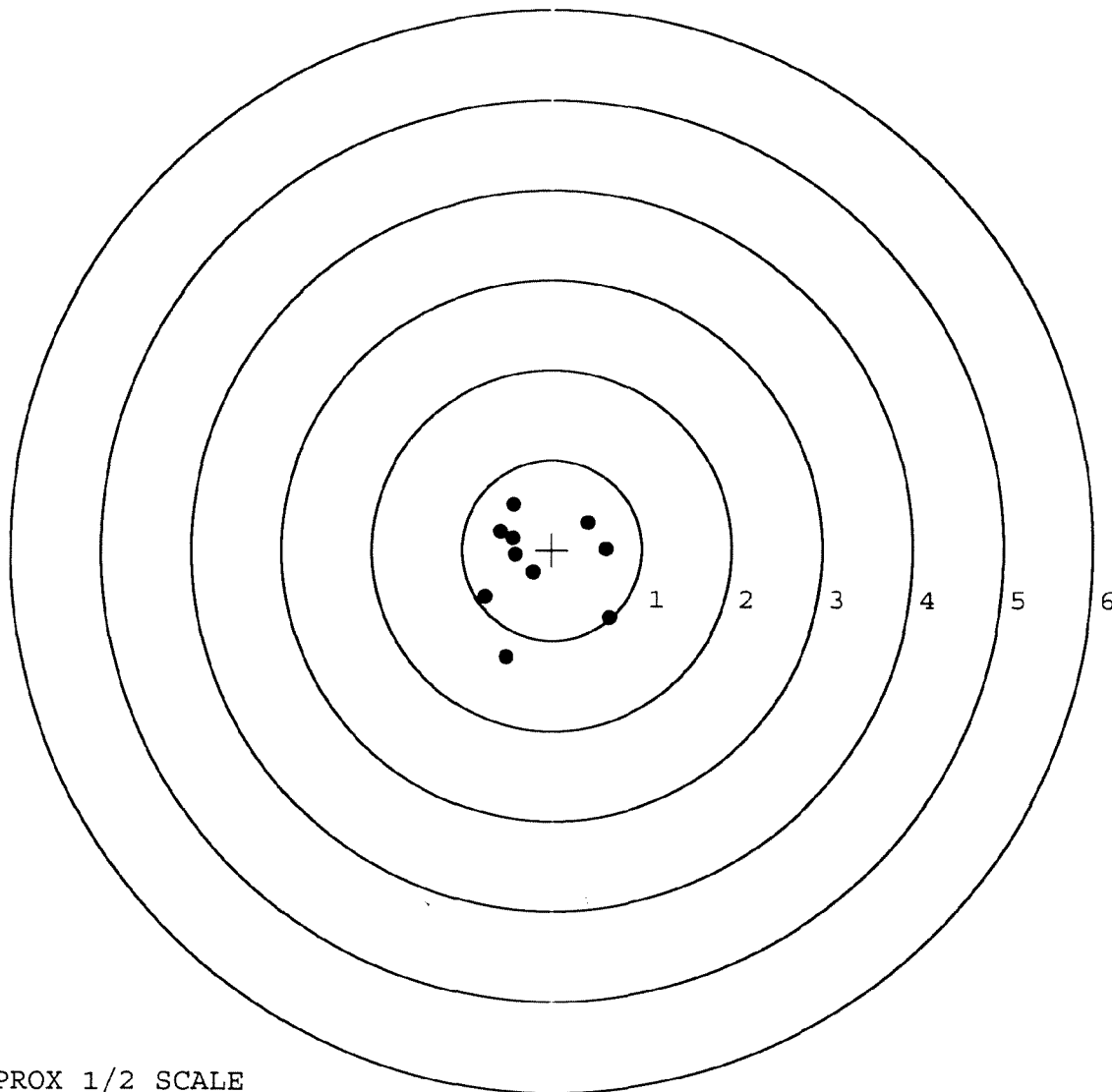
MAX RADIUS: 1.088

MEAN RADIUS: 0.632

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 8

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE