

C6523512

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



## Arms Services Repair &amp; Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

## Repair Inquiry

Repair Number: RE00149817

Serial: C6523512 Model M24 SWS Center Fire  
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 8/25/2008 9:51:46 AM

## Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: CAMP ROBERTS MATES

CAMP ROBERTS MATES

Address 1: EAST GARRISON BLDG 25021

EAST GARRISON BLDG 25021

Address 2: ATTN: CW4 KEISTER

PO Box:

ATTN: CW4 KEISTER

PO Box:

City: SAN MIGUEL

SAN MIGUEL

State: CA

Zip Code: 93451

Country: US

State: CA

Zip Code: 93451

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 |
|------|-----------------------|-----|
| A007 | With Stud             | 3   |
| A008 | With Swivel           | 2   |
| A017 | Scope Base            | 1   |
| A057 | Fit and Rear Sgt Base | 1   |

## Repair Search

## Refresh

## Close

nagletj

8/25/2008

10:26 AM

CAPS

NUM

INS

SCRL

Serial Number: **C6523512**  
 Model: **M24 SWS**  
  
**RE00149817**

M-24 INSPECTION CHECKLIST  
 CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER 149817  
 SERIAL NUMBER C6523512  
 LOG-IN DATE 8-25-08

| OPERATION # | OPERATION NAME                      |                                         | DATE                     | INITIAL    |
|-------------|-------------------------------------|-----------------------------------------|--------------------------|------------|
| 500         | DIS-ASSEMBLE GUN                    |                                         |                          |            |
| 505         | RE-BARREL                           |                                         |                          |            |
| 560         | ASSEMBLE                            | <i>Clean + EVALUATE</i>                 | 9-16-08                  | RTZ        |
| 600         | PROOF                               |                                         |                          |            |
| 605         | CHECK HEADSPACE                     |                                         |                          |            |
| 610         | DIS-ASSEMBLE GUN                    |                                         |                          |            |
| 612         | MAGNAFLUX                           |                                         |                          |            |
| 510         | DRILL AND TAP                       |                                         |                          |            |
| 615         | ROLLMARK CALIBER                    |                                         |                          |            |
| 618         | ROTO-BLAST                          |                                         |                          |            |
| 620         | APPLY COATINGS                      |                                         |                          |            |
| 625         | FINAL ASSEMBLY                      |                                         |                          |            |
| 640         | FUNCTION TEST AND                   | <u>PASS</u> FAIL                        | 9-23-08                  | TRW        |
| 650         | TARGET                              | <u>PASS</u> FAIL                        | 9-20-08                  | TRW        |
|             | MALFUNCTION <i>OH over live Rds</i> | CORRECTION <i>OK</i>                    | 9-23-08                  | TRW        |
|             | MALFUNCTION                         | CORRECTION                              |                          |            |
|             | MALFUNCTION                         | CORRECTION                              |                          |            |
|             | MALFUNCTION                         | CORRECTION                              | 9-20-08                  | RP         |
| 670         | FINAL INSPECTION                    |                                         | 9-23-08                  | TC         |
|             | A) HEADSPACE                        | <u>PASS</u> FAIL                        | 9-23-08                  | TC         |
|             | B) TRIGGER PULL                     | +7.5 LBS<br>MIN 2.50 LBS<br>MAX 4.0 LBS | 2.64 2.56 2.57 2.48 2.46 | 9-23-08 TC |
|             | C) SAFETY ON FORCE                  | 2 LBS MIN<br>10 LBS MAX                 | 2 2 2                    | 9-23-08 TC |
|             | D) SAFETY OFF FORCE                 | 2 LBS                                   | 3.5 3.5 3.5              | 9-23-08 TC |
|             | E) FIRING PIN INDENT                | .020                                    | .024 .024 .024           | 9-23-08 TC |
| 690         | PACK                                |                                         | 9-23-08                  | FM         |

**BARBER - M24 0029388**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523512.\_\_\_1

FILE DATE AND TIME: 09/22/2008 06:32

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

ERROR - NOT POSSIBLE TO REPORT SWS STATS ON DATA  
WHERE TOTAL TARGETS ARE NOT EQUAL TO FIVE

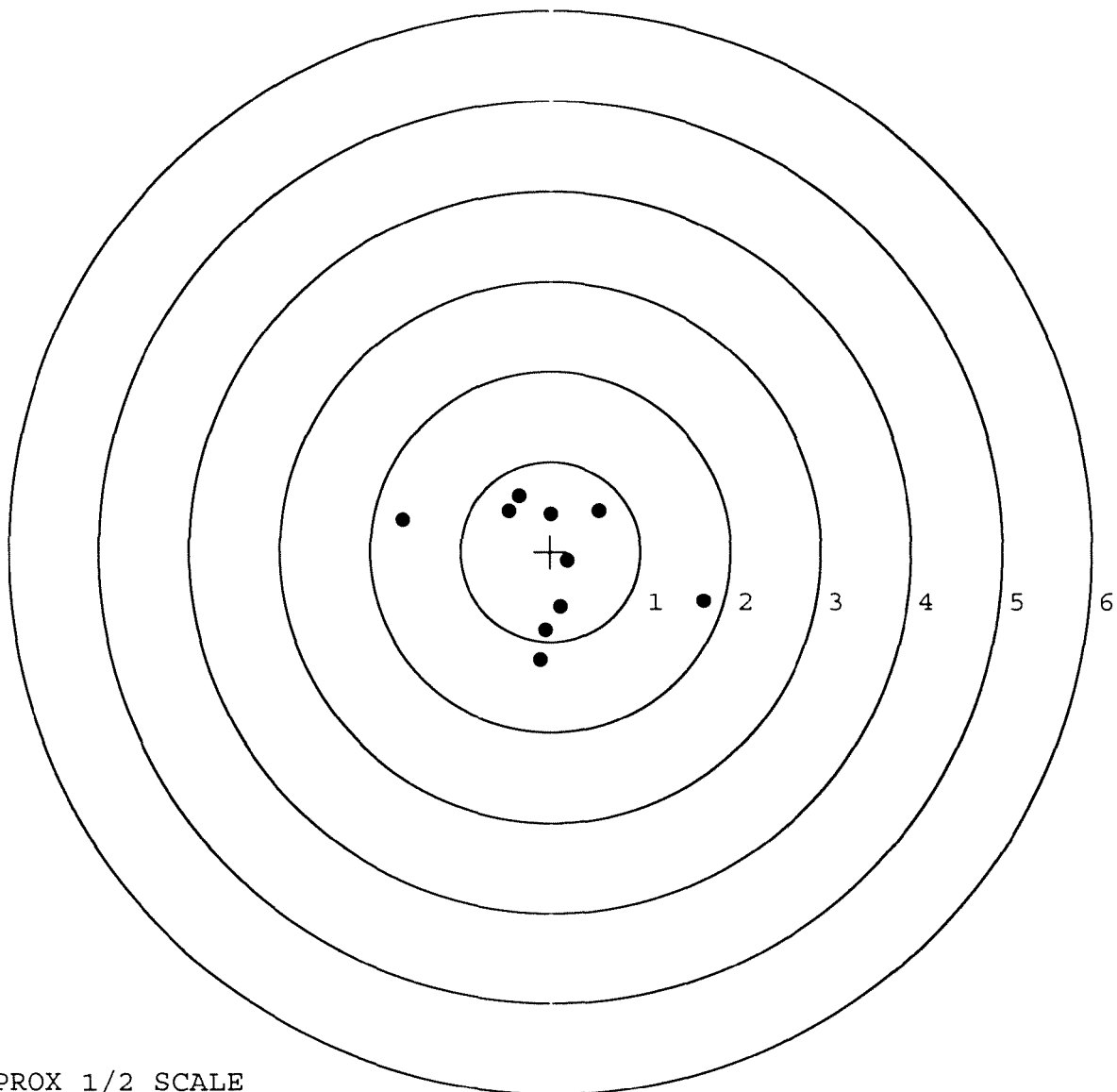
*AVE. MEAN - .7575*

**BARBER - M24 0029389**

SERIAL NUMBER: C6523512. \_\_1  
TARGET NUMBER: 1  
FILE DATE: 09/22/2008  
FILE TIME: 06:32

X CENTROID: -0.010  
Y CENTROID: -0.106  
POA TO CENTROID: 0.106  
HORZ SPREAD: 3.347  
VERT SPREAD: 1.816  
GROUP SPREAD: 3.463  
MIN RADIUS: 0.199  
MAX RADIUS: 1.766  
MEAN RADIUS: 0.889  
# IN 1 IN DIAMETER: 1  
# IN 2 IN DIAMETER: 7  
# in 3 IN DIAMETER: 8

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.118 | -1.201 |
| 2:     | -0.062 | -0.878 |
| 3:     | 0.109  | -0.616 |
| 4:     | 0.189  | -0.102 |
| 5:     | 0.546  | 0.457  |
| 6:     | -0.006 | 0.415  |
| 7:     | -0.461 | 0.450  |
| 8:     | -1.646 | 0.347  |
| 9:     | -0.350 | 0.615  |
| 10:    | 1.701  | -0.543 |

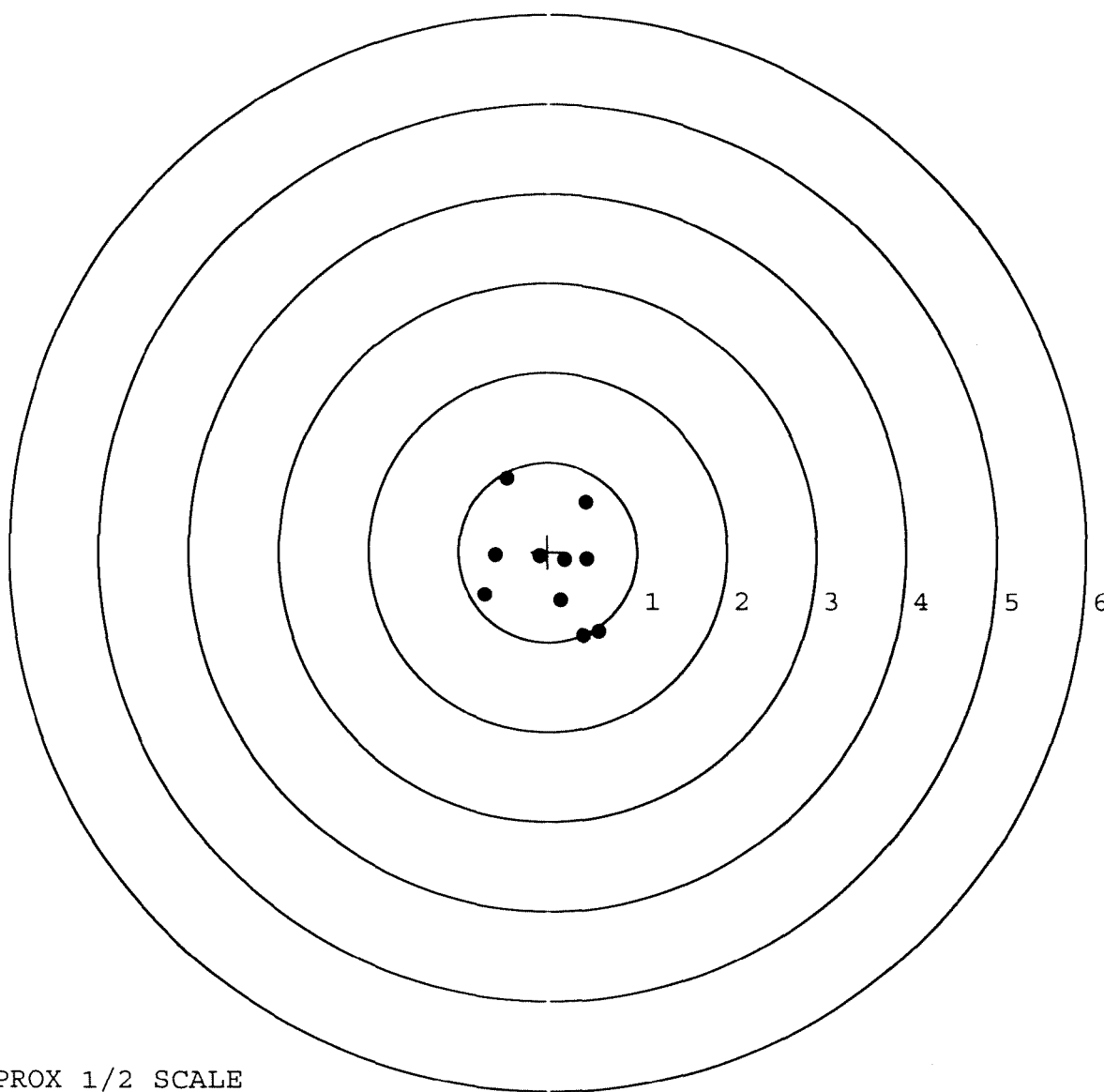


TARGET APPROX 1/2 SCALE

**BARBER - M24 0029390**

SERIAL NUMBER: C6523512. \_\_1  
TARGET NUMBER: 2  
FILE DATE: 09/22/2008  
FILE TIME: 06:32

|                     | POINT# | X      | Y      |
|---------------------|--------|--------|--------|
|                     | 1:     | 0.571  | -0.886 |
|                     | 2:     | 0.405  | -0.931 |
|                     | 3:     | 0.144  | -0.543 |
|                     | 4:     | 0.441  | -0.080 |
| X CENTROID:         | 5:     | 0.191  | -0.091 |
| Y CENTROID:         | 6:     | -0.093 | -0.051 |
| POA TO CENTROID:    | 7:     | -0.583 | -0.034 |
| HORZ SPREAD:        | 8:     | -0.706 | -0.477 |
| VERT SPREAD:        | 9:     | 0.430  | 0.555  |
| GROUP SPREAD:       | 10:    | -0.456 | 0.819  |
| MIN RADIUS:         |        | 0.176  |        |
| MAX RADIUS:         |        | 1.106  |        |
| MEAN RADIUS:        |        | 0.626  |        |
| # IN 1 IN DIAMETER: |        | 4      |        |
| # IN 2 IN DIAMETER: |        | 9      |        |
| # in 3 IN DIAMETER: |        | 10     |        |



TARGET APPROX 1/2 SCALE

# Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

## Repair Inquiry

Repair Number: **RE00125599**

Serial: C6523512 Model M24 SWS Center Fire  
Caliber: 308

Repairman:

Verify Repair

Status:

Closed 2/21/2007 12:17:10 PM

### Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: A / 5 / 19TH SFG (A)

A / 5 / 19TH SFG (A)

Address 1: 4203 SARATOGA AVE

4203 SARATOGA AVE

Address 2: STE# 115

PO Box:

STE# 115

PO Box:

City: JFTB LOS ALAMITOS

JFTB LOS ALAMITOS

State: CA

Zip Code: 90720

Country: US

State: CA

Zip Code: 90720

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             | Qt |
|------|------------------|----|
| A007 | With Stud        | 3  |
| A010 | Hard Case        | 1  |
| A016 | Scope Rings      | 2  |
| A017 | Scope Base       | 2  |
| A026 | Scope            | 1  |
| A045 | Bi Pod           | 1  |
| B000 | FRONT AND REAR E | 2  |
| R001 | DEPI OYMENT KIT  | 1  |

Repair Search

Refresh

Close

nagletj

2/21/2007

1:32 PM

CAPS

NUM

INS

SCAL

Serial Number: **C6523512**

Model: **M24 SWS**



**RE00125599**

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

BARBER - M24 ~~062999~~ 029430

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523512.\_\_\_0  
FILE DATE AND TIME: 03/13/2007 11:27

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

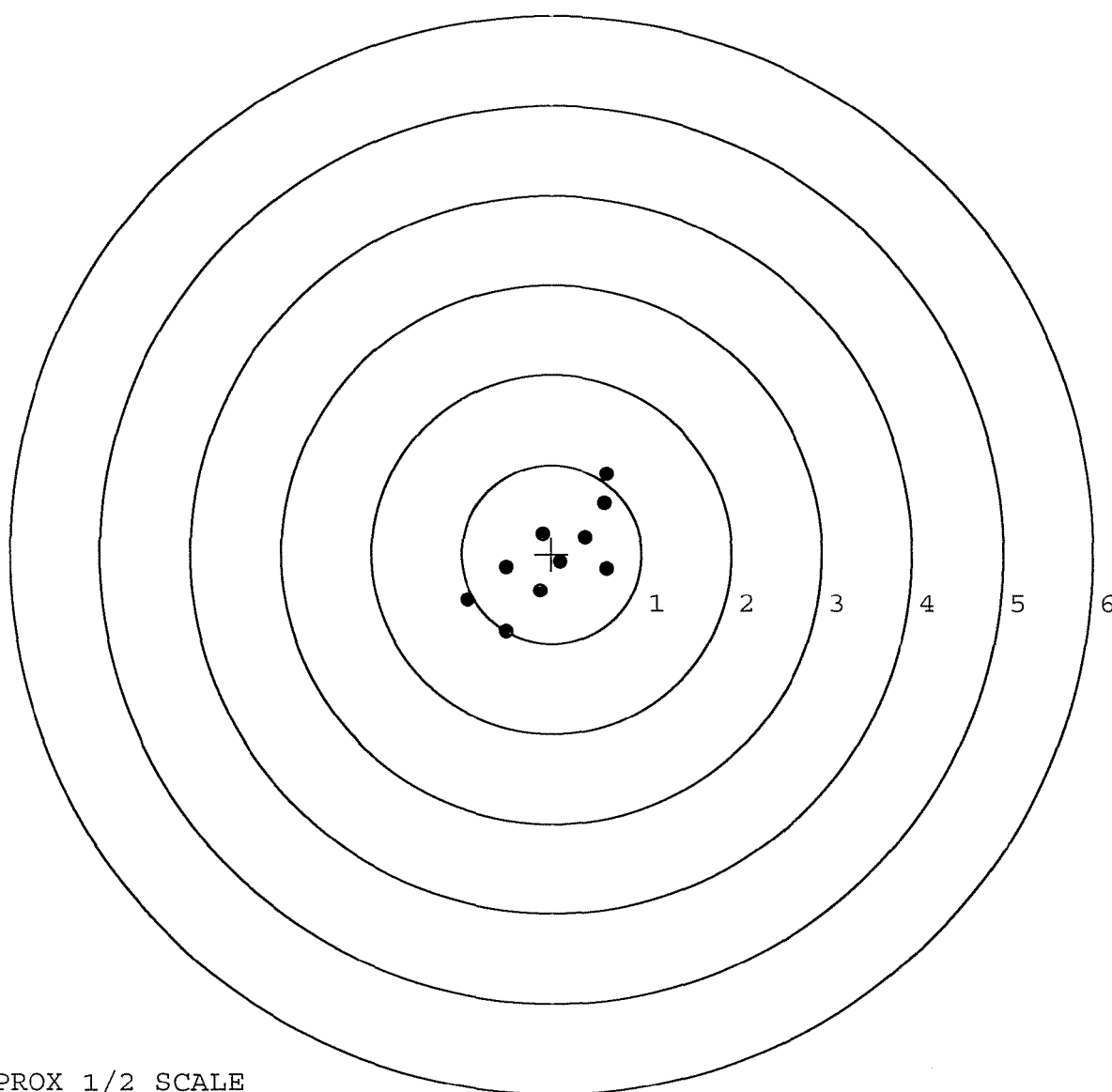
|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.052 |
| The Average Y Centroid of the Five Target Set:              | -0.064 |
| The Average Point of Impact of the Five Target Set:         | 0.082  |
| The Average Mean Radius of the Five Target Set:             | 0.804  |
| The Distance from POA to Centroid Target #1:                | 0.035  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.393  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.262  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.163  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.176  |

**BARBER - M24 0029393**

SERIAL NUMBER: C6523512. \_\_0  
TARGET NUMBER: 1  
FILE DATE: 03/13/2007  
FILE TIME: 11:27

X CENTROID: 0.011  
Y CENTROID: -0.033  
POA TO CENTROID: 0.035  
HORZ SPREAD: 1.553  
VERT SPREAD: 1.778  
GROUP SPREAD: 2.111  
MIN RADIUS: 0.103  
MAX RADIUS: 1.117  
MEAN RADIUS: 0.638  
# IN 1 IN DIAMETER: 4  
# IN 2 IN DIAMETER: 8  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.615  | -0.166 |
| 2:     | 0.590  | 0.574  |
| 3:     | 0.618  | 0.905  |
| 4:     | 0.375  | 0.190  |
| 5:     | -0.105 | 0.223  |
| 6:     | 0.097  | -0.089 |
| 7:     | -0.129 | -0.418 |
| 8:     | -0.504 | -0.150 |
| 9:     | -0.935 | -0.525 |
| 10:    | -0.510 | -0.873 |



TARGET APPROX 1/2 SCALE

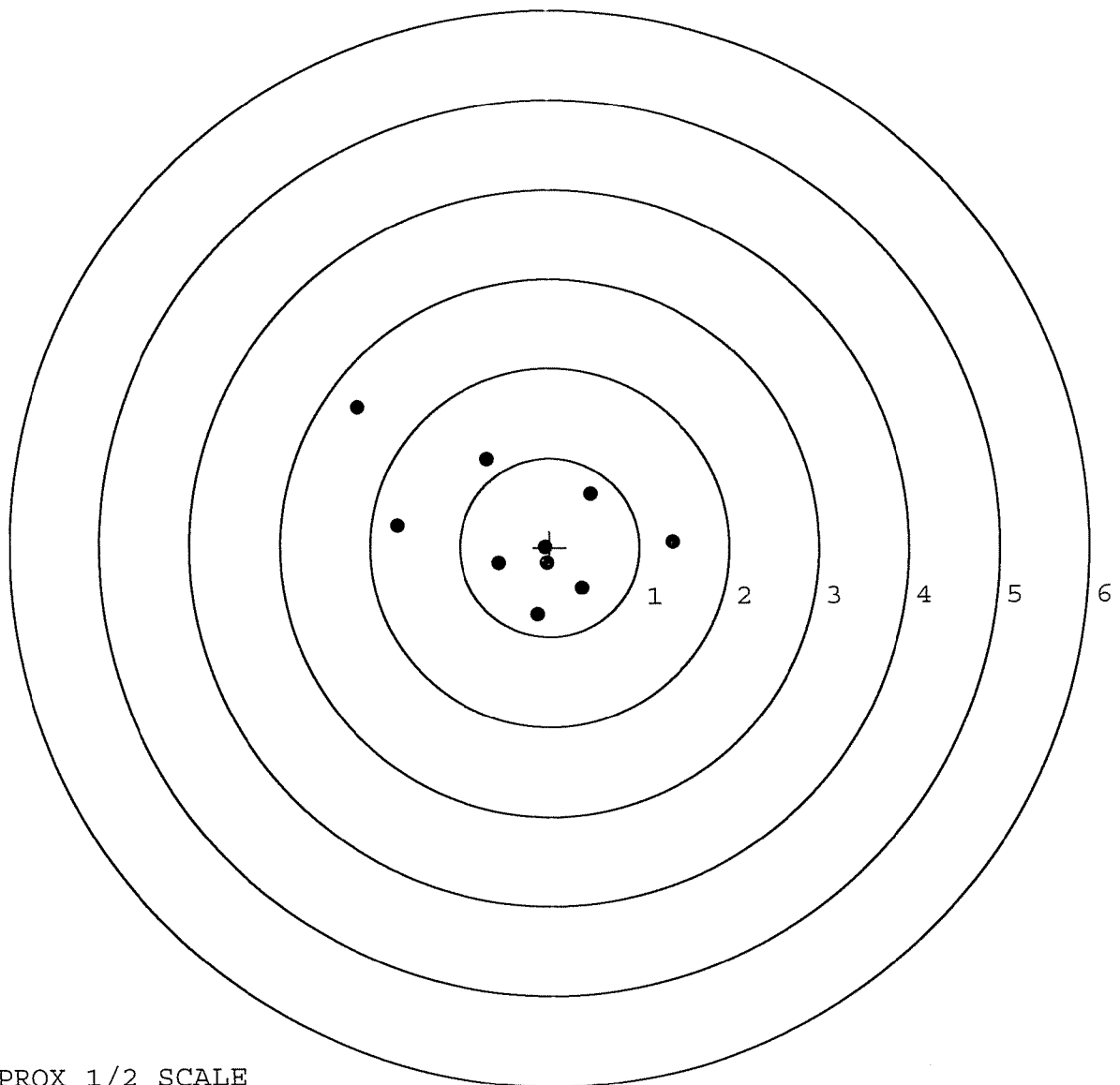
**BARBER - M24 0029394**

SERIAL NUMBER: C6523512. 0  
TARGET NUMBER: 2  
FILE DATE: 03/13/2007  
FILE TIME: 11:27

X CENTROID: -0.313  
Y CENTROID: 0.190  
POA TO CENTROID: 0.366  
HORZ SPREAD: 3.504  
VERT SPREAD: 2.328  
GROUP SPREAD: 3.817  
MIN RADIUS: 0.323  
MAX RADIUS: 2.285  
MEAN RADIUS: 1.025

# IN 1 IN DIAMETER: 3  
# IN 2 IN DIAMETER: 7  
# in 3 IN DIAMETER: 8

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.370  | 0.057  |
| 2:     | 0.465  | 0.598  |
| 3:     | -0.698 | 0.990  |
| 4:     | -2.134 | 1.571  |
| 5:     | -1.694 | 0.250  |
| 6:     | -0.567 | -0.178 |
| 7:     | -0.056 | -0.006 |
| 8:     | -0.037 | -0.176 |
| 9:     | 0.362  | -0.454 |
| 10:    | -0.145 | -0.757 |



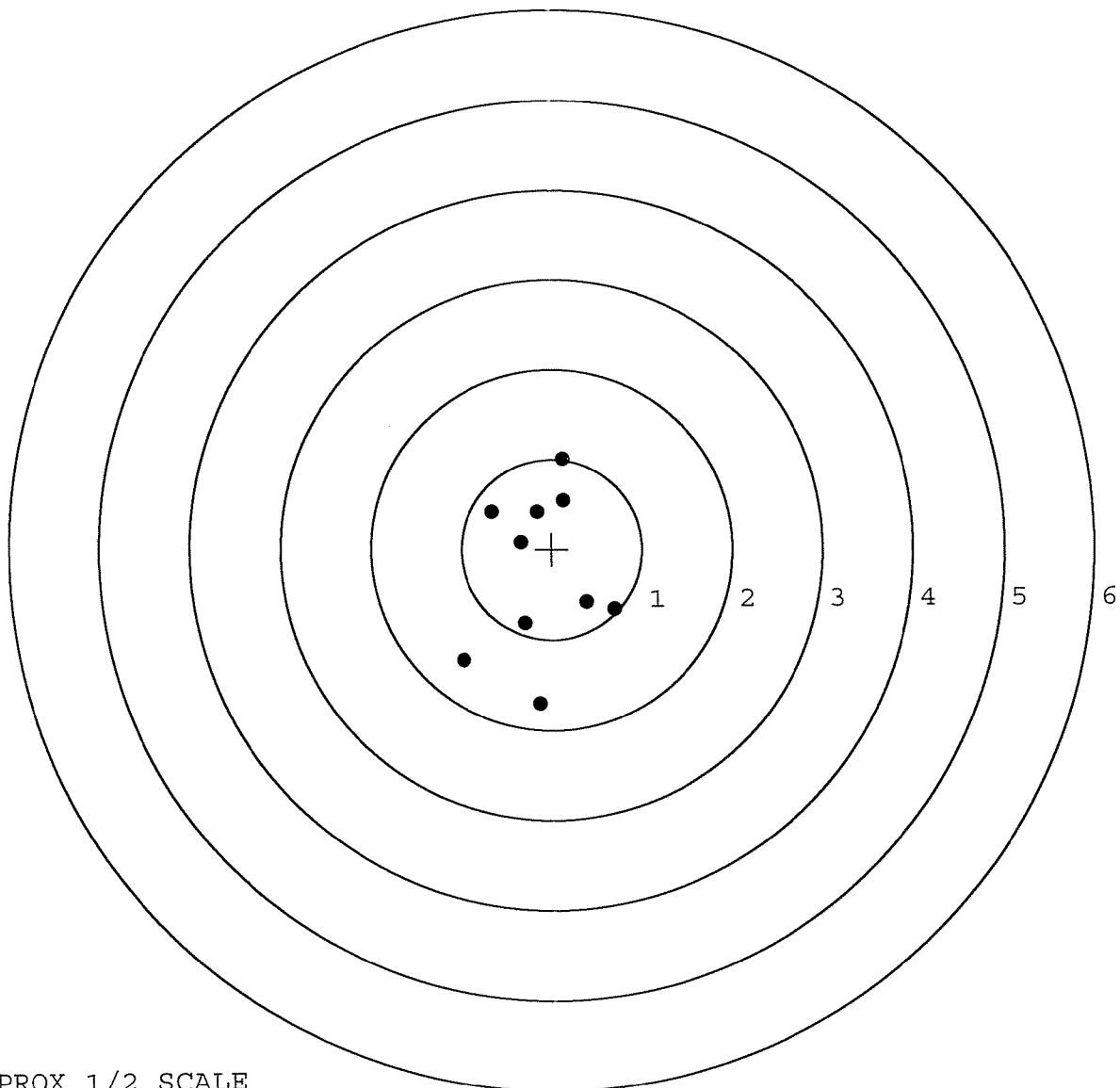
TARGET APPROX 1/2 SCALE

**BARBER - M24 0029395**

SERIAL NUMBER: C6523512.\_\_\_\_0  
TARGET NUMBER: 3  
FILE DATE: 03/13/2007  
FILE TIME: 11:27

X CENTROID: -0.126  
Y CENTROID: -0.257  
POA TO CENTROID: 0.286  
HORZ SPREAD: 1.677  
VERT SPREAD: 2.714  
GROUP SPREAD: 2.727  
MIN RADIUS: 0.397  
MAX RADIUS: 1.453  
MEAN RADIUS: 0.894  
# IN 1 IN DIAMETER: 1  
# IN 2 IN DIAMETER: 7  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.143 | -1.710 |
| 2:     | -0.981 | -1.230 |
| 3:     | -0.303 | -0.825 |
| 4:     | 0.389  | -0.589 |
| 5:     | 0.696  | -0.673 |
| 6:     | -0.666 | 0.418  |
| 7:     | -0.340 | 0.077  |
| 8:     | -0.163 | 0.414  |
| 9:     | 0.131  | 0.546  |
| 10:    | 0.125  | 1.004  |



TARGET APPROX 1/2 SCALE

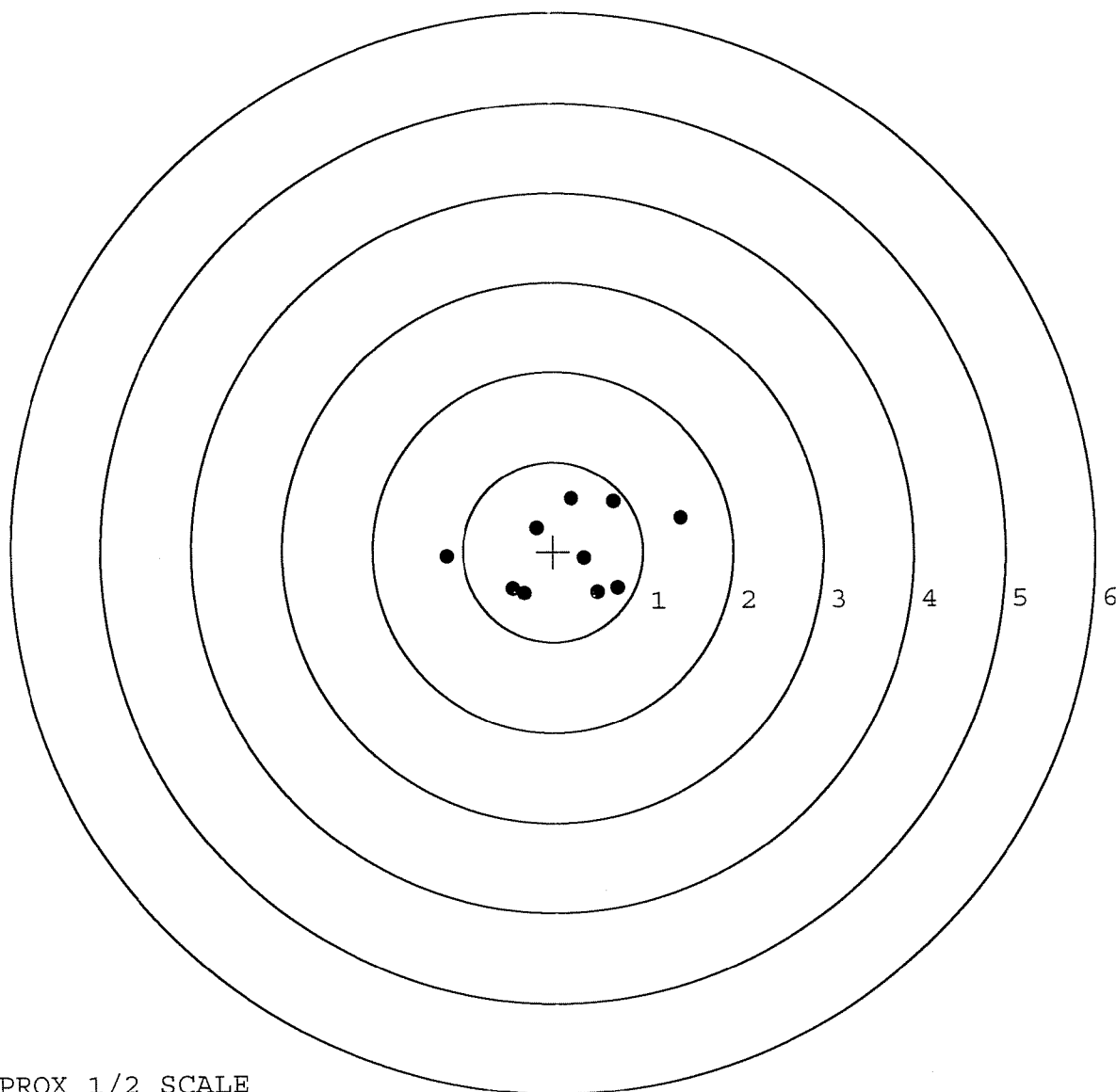
**BARBER - M24 0029396**

SERIAL NUMBER: C6523512. \_\_0  
TARGET NUMBER: 4  
FILE DATE: 03/13/2007  
FILE TIME: 11:27

X CENTROID: 0.173  
Y CENTROID: -0.012  
POA TO CENTROID: 0.173  
HORZ SPREAD: 2.600  
VERT SPREAD: 1.063  
GROUP SPREAD: 2.635  
MIN RADIUS: 0.187  
MAX RADIUS: 1.356  
MEAN RADIUS: 0.729

# IN 1 IN DIAMETER: 2  
# IN 2 IN DIAMETER: 8  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.418  | 0.367  |
| 2:     | 0.675  | 0.558  |
| 3:     | 0.210  | 0.591  |
| 4:     | -0.180 | 0.261  |
| 5:     | 0.348  | -0.077 |
| 6:     | 0.715  | -0.408 |
| 7:     | 0.494  | -0.460 |
| 8:     | -0.321 | -0.472 |
| 9:     | -0.447 | -0.419 |
| 10:    | -1.182 | -0.058 |



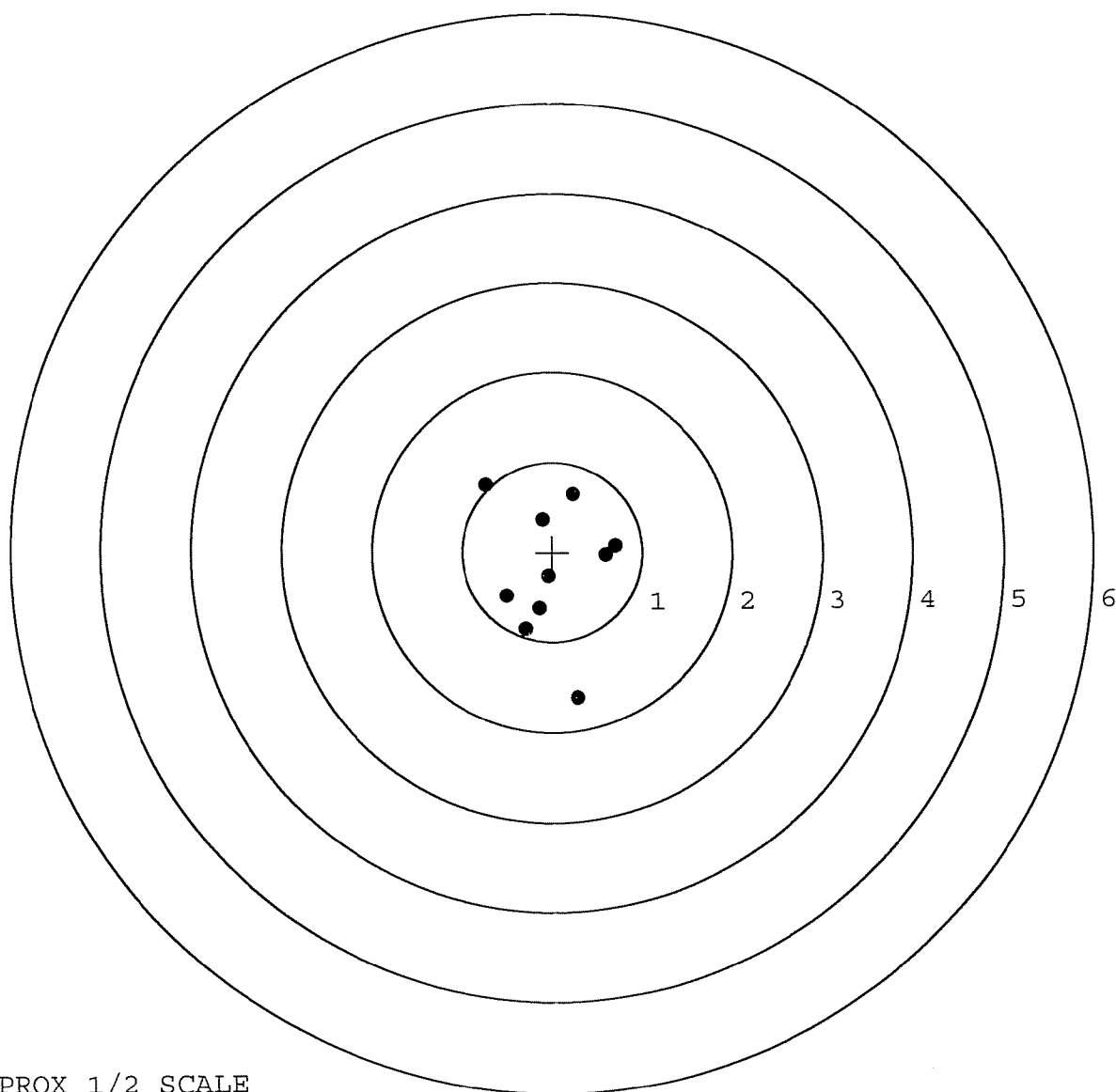
TARGET APPROX 1/2 SCALE

**BARBER - M24 0029397**

SERIAL NUMBER: C6523512. 0  
TARGET NUMBER: 5  
FILE DATE: 03/13/2007  
FILE TIME: 11:27

X CENTROID: -0.004  
Y CENTROID: -0.208  
POA TO CENTROID: 0.208  
HORZ SPREAD: 1.439  
VERT SPREAD: 2.371  
GROUP SPREAD: 2.578  
MIN RADIUS: 0.077  
MAX RADIUS: 1.442  
MEAN RADIUS: 0.733  
# IN 1 IN DIAMETER: 2  
# IN 2 IN DIAMETER: 8  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.278  | -1.622 |
| 2:     | 0.597  | -0.034 |
| 3:     | 0.705  | 0.071  |
| 4:     | 0.234  | 0.646  |
| 5:     | -0.109 | 0.364  |
| 6:     | -0.734 | 0.749  |
| 7:     | -0.052 | -0.269 |
| 8:     | -0.512 | -0.492 |
| 9:     | -0.150 | -0.627 |
| 10:    | -0.302 | -0.865 |

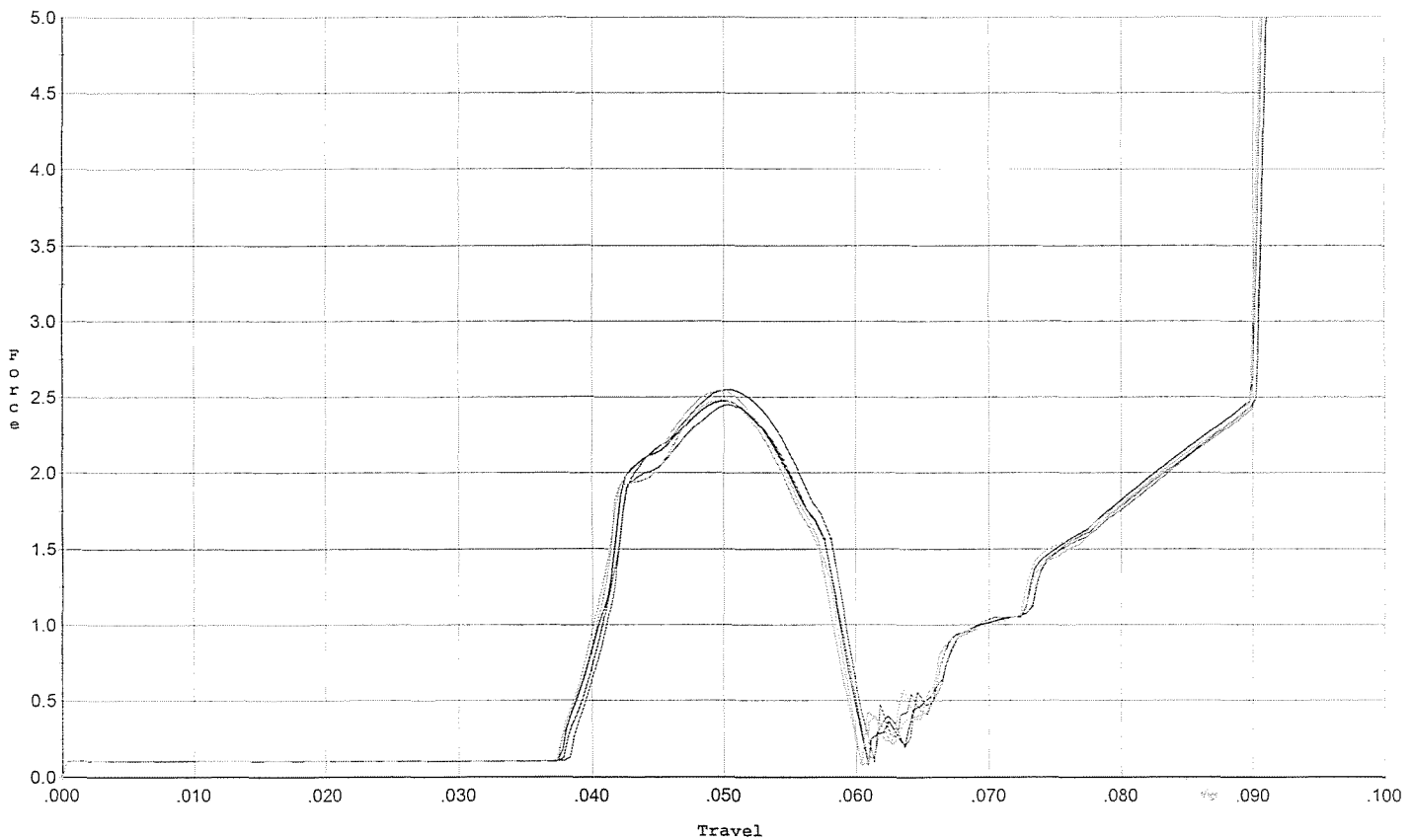


TARGET APPROX 1/2 SCALE

# Trigger Profile [ lbs,inch ]

Profile: SWS  
 GunType: Rifle  
 Make: Remington  
 Note: R. Putsch 2/21/07

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



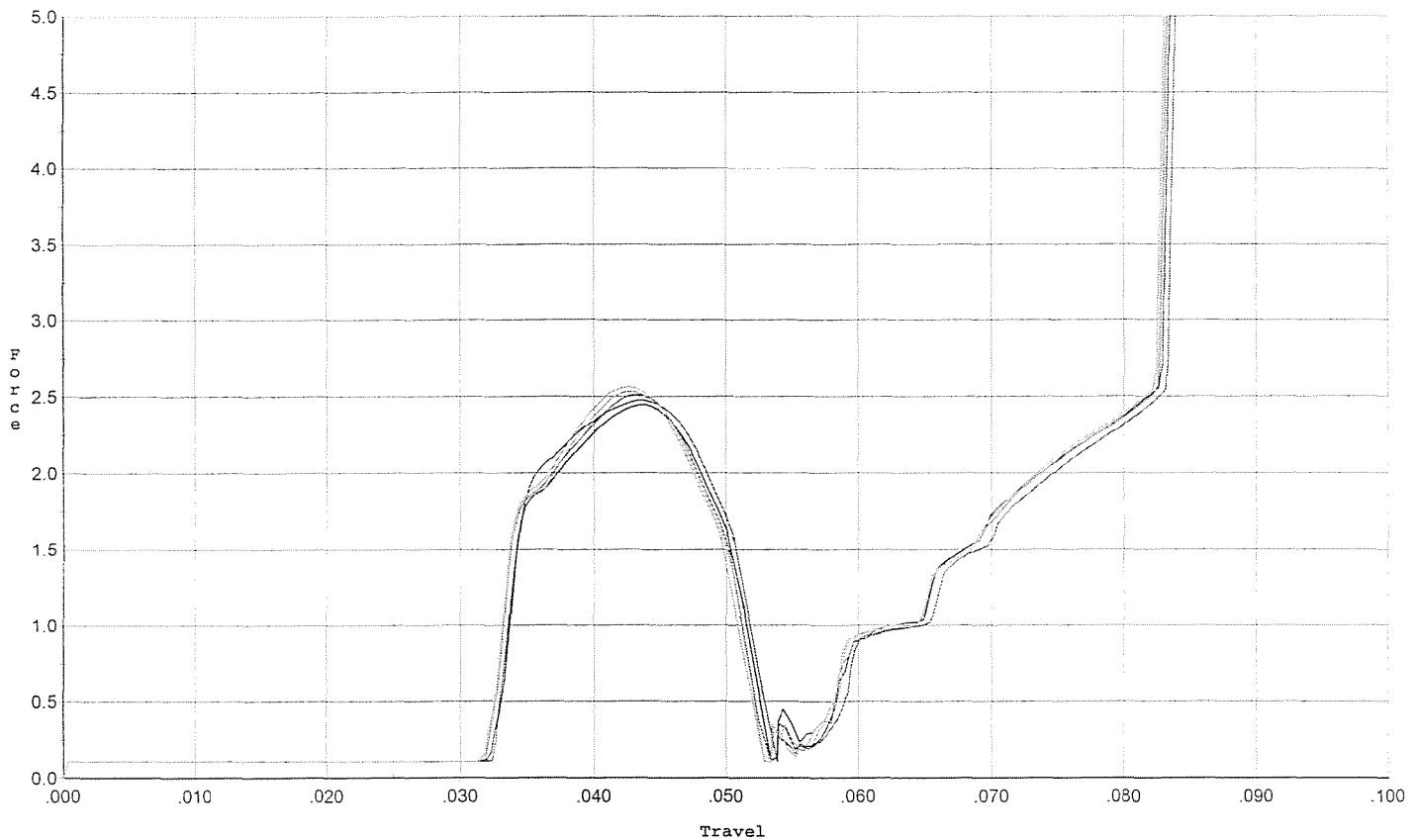
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.550      | 0.058             | 0.038           | 0.039      | 0.043             |           | Set Trigger |
| 2 | 2.473      | 0.058             | 0.038           | 0.039      | 0.042             |           | Set Trigger |
| 3 | 2.448      | 0.059             | 0.039           | 0.039      | 0.042             |           | Set Trigger |
| 4 | 2.542      | 0.058             | 0.038           | 0.039      | 0.043             |           | Set Trigger |
| 5 | 2.482      | 0.057             | 0.038           | 0.039      | 0.041             |           | Set Trigger |

AVG 2.49

## Trigger Profile [ lbs,inch ]

Profile: SWS  
GunType: Rifle  
Make: Remington  
Note: R. Putch 2/21/07

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



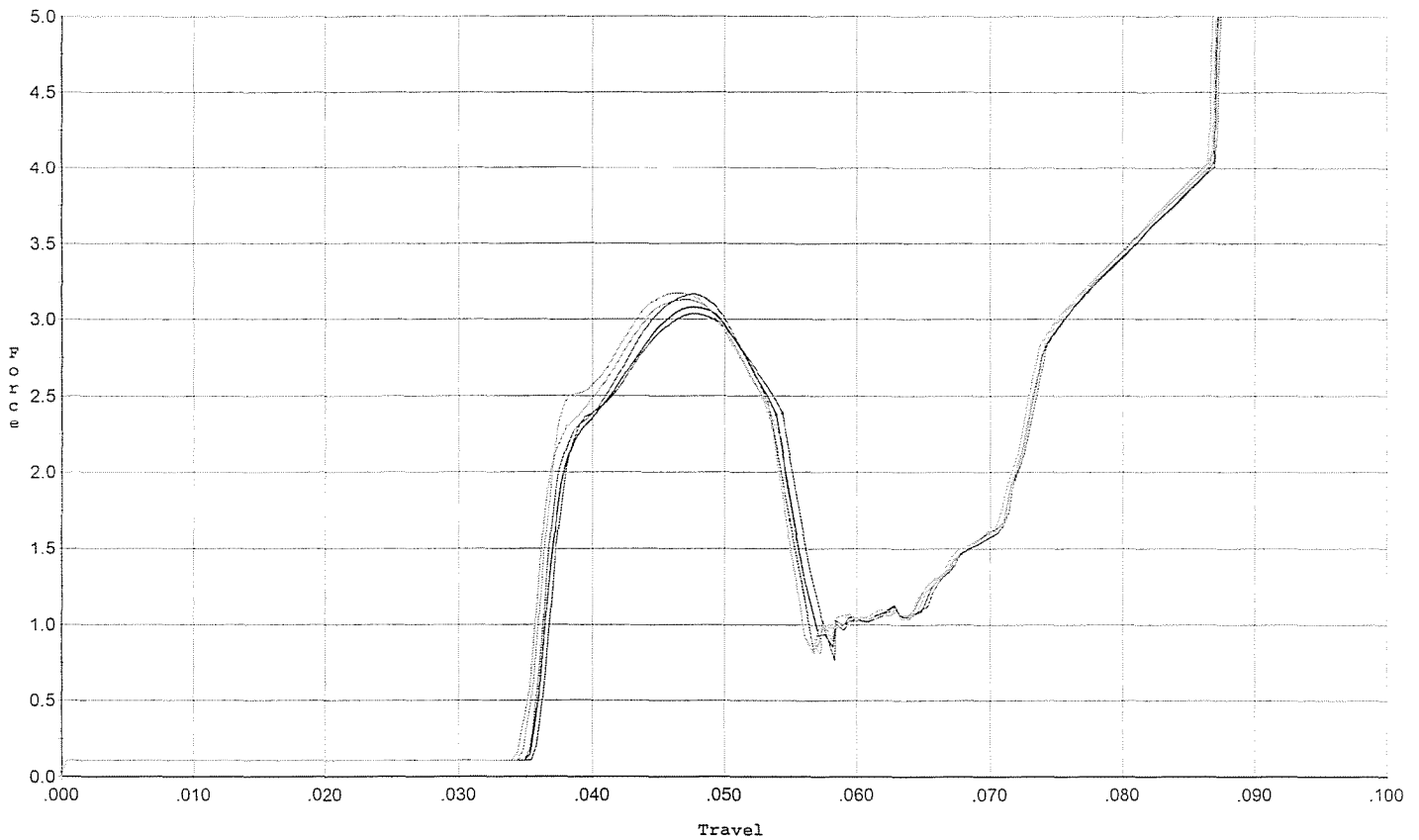
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.473      | 0.051             | 0.033           | 0.037      | 0.041             |           | Set Trigger |
| 2 | 2.445      | 0.051             | 0.032           | 0.037      | 0.040             |           | Set Trigger |
| 3 | 2.512      | 0.050             | 0.032           | 0.037      | 0.040             |           | Set Trigger |
| 4 | 2.564      | 0.050             | 0.032           | 0.037      | 0.041             |           | Set Trigger |
| 5 | 2.534      | 0.050             | 0.032           | 0.037      | 0.040             |           | Set Trigger |

Avg 2.50

Trigger Profile [ lbs,inch ]

Profile: SWS  
 GunType: Rifle  
 Make: Remington  
 Note: R. Putsch 2/21/07

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



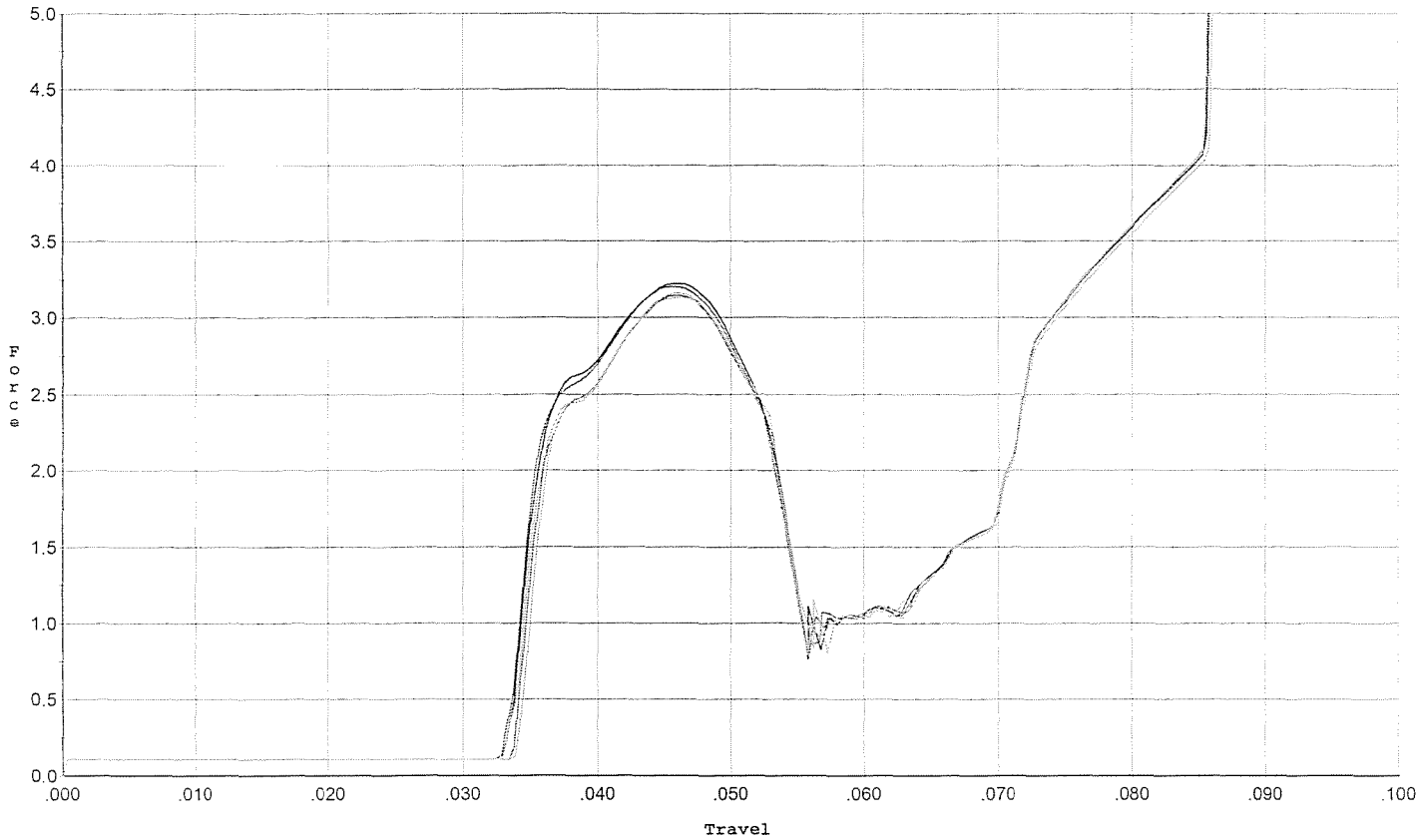
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 3.034      | 0.054             | 0.036           | 0.037      | 0.052             |           | Set Trigger |
| 2 | 3.077      | 0.054             | 0.036           | 0.037      | 0.052             |           | Set Trigger |
| 3 | 3.172      | 0.055             | 0.035           | 0.037      | 0.054             |           | Set Trigger |
| 4 | 3.177      | 0.053             | 0.035           | 0.037      | 0.054             |           | Set Trigger |
| 5 | 3.128      | 0.054             | 0.035           | 0.036      | 0.055             |           | Set Trigger |

Avg 3.11

Trigger Profile [ lbs,inch ]

Profile: SWS  
GunType: Rifle  
Make: Remington  
Note: R. Putch 2/21/07

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



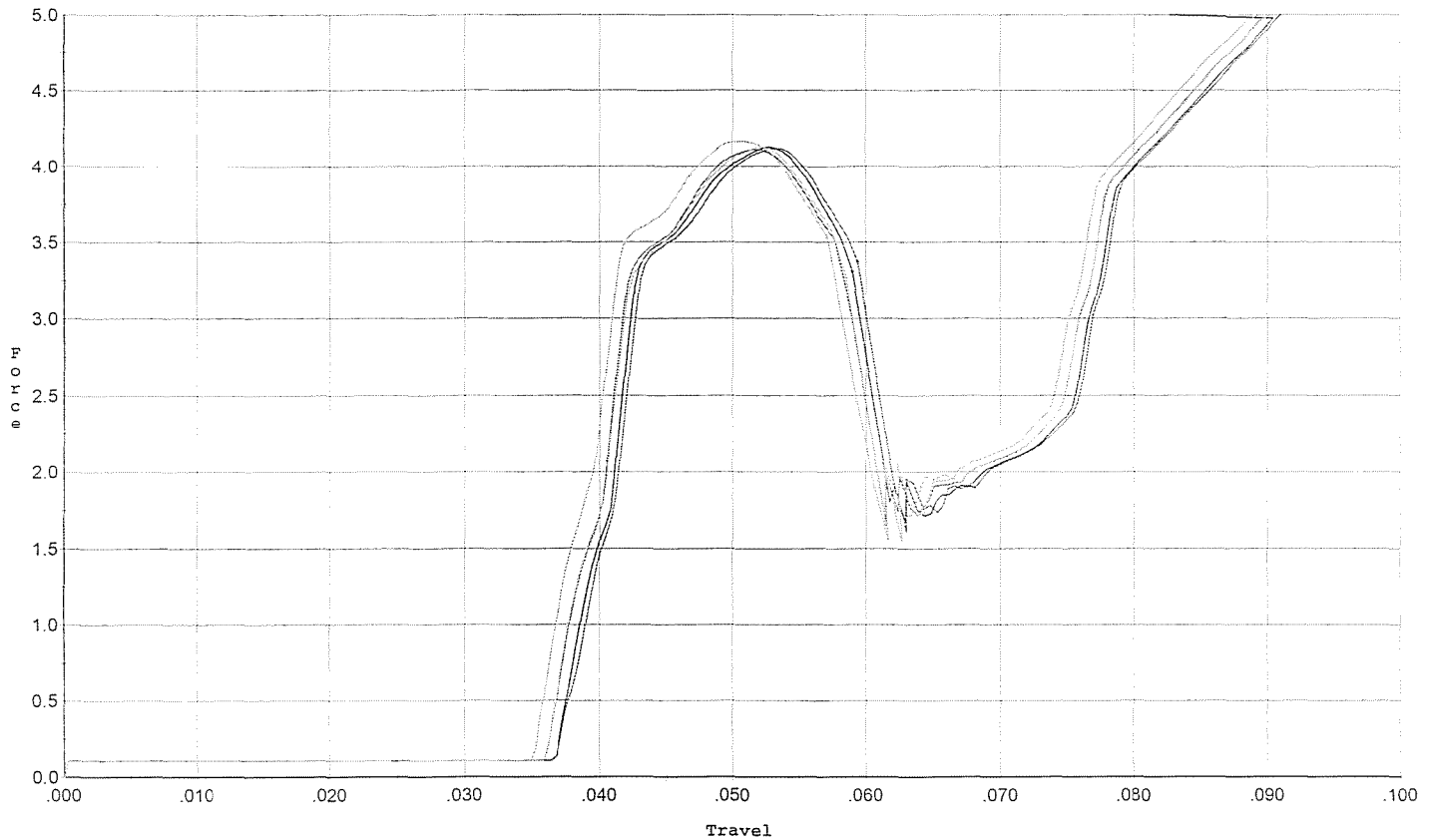
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 3.204      | 0.054             | 0.033           | 0.036      | 0.057             |           | Set Trigger |
| 2 | 3.223      | 0.053             | 0.033           | 0.036      | 0.057             |           | Set Trigger |
| 3 | 3.146      | 0.053             | 0.034           | 0.036      | 0.054             |           | Set Trigger |
| 4 | 3.131      | 0.053             | 0.034           | 0.036      | 0.054             |           | Set Trigger |
| 5 | 3.161      | 0.054             | 0.033           | 0.036      | 0.055             |           | Set Trigger |

AVG 3.17

# Trigger Profile [ lbs,inch ]

Profile: SWS  
 GunType: Rifle  
 Make: Remington  
 Note: R. Putch 2/21/07

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



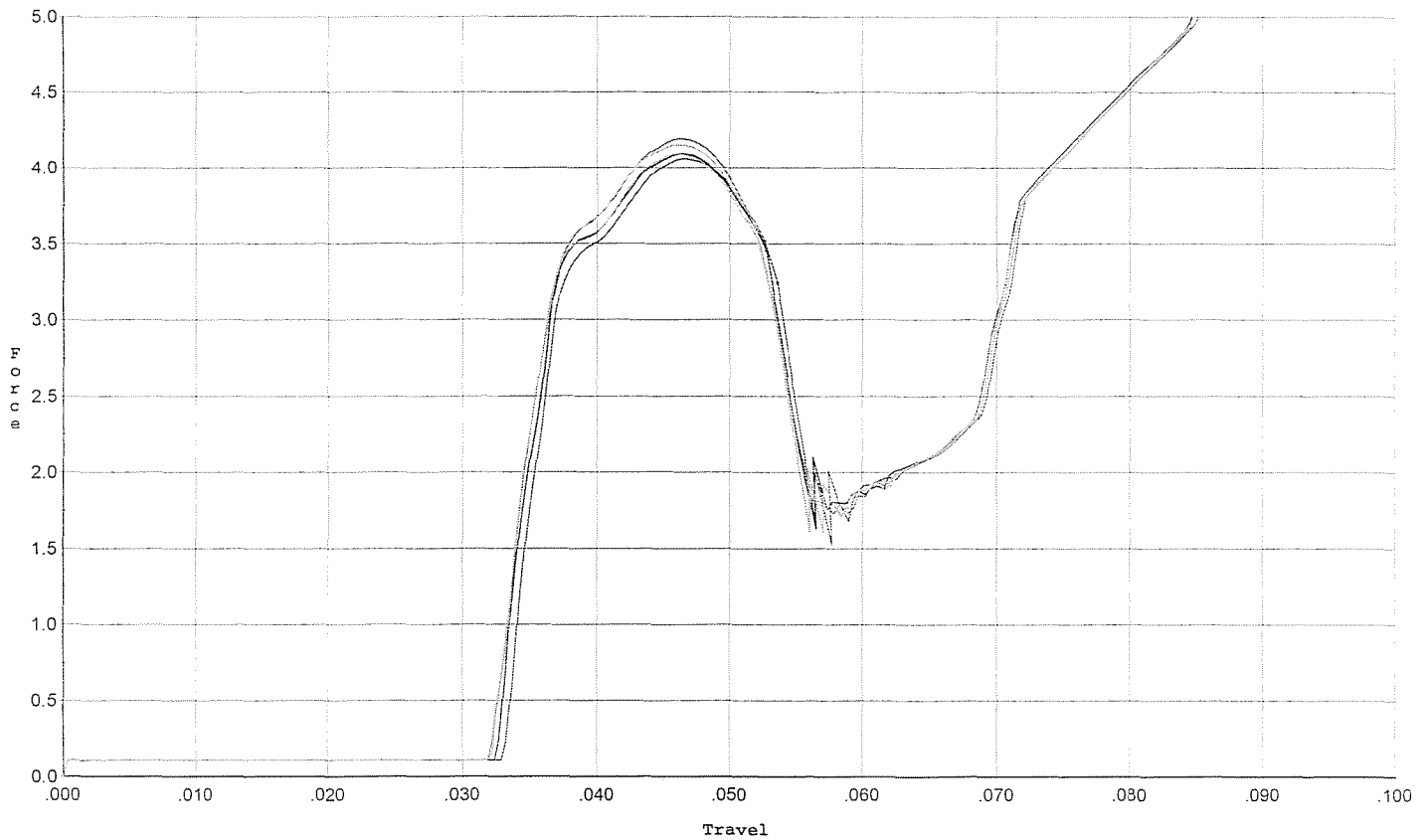
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 4.116      | 0.059             | 0.037           | 0.037      | 0.078             |           | Set Trigger |
| 2 | 4.128      | 0.059             | 0.037           | 0.037      | 0.077             |           | Set Trigger |
| 3 | 4.112      | 0.059             | 0.036           | 0.036      | 0.078             |           | Set Trigger |
| 4 | 4.128      | 0.059             | 0.036           | 0.036      | 0.078             |           | Set Trigger |
| 5 | 4.166      | 0.057             | 0.035           | 0.036      | 0.078             |           | Set Trigger |

AVG 4.13

## Trigger Profile [ lbs,inch ]

Profile SWS  
GunType: Rifle  
Make: Remington  
Note: R. Putch 2/21/07

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



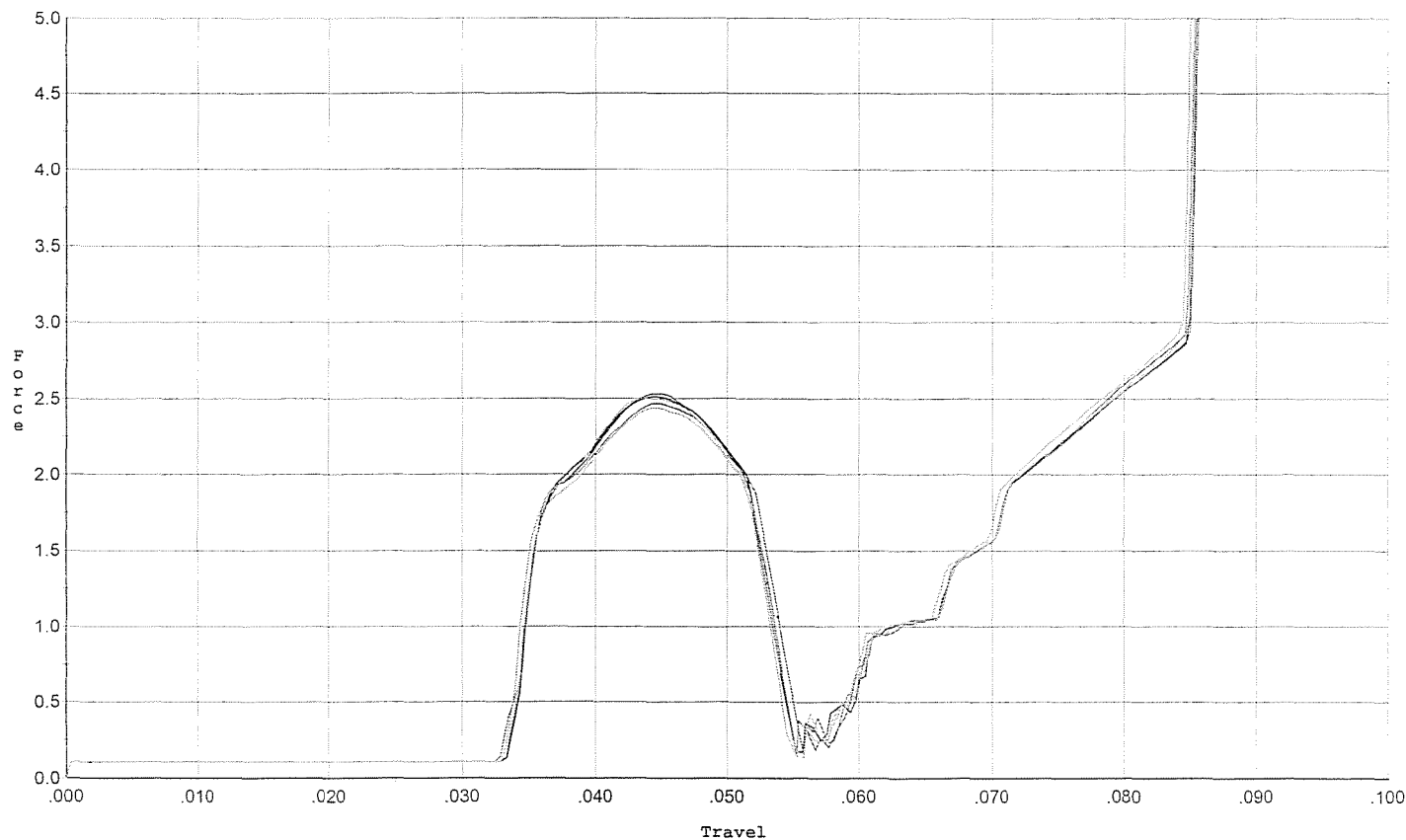
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 4.057      | 0.054             | 0.033           | 0.034      | 0.074             |           | Set Trigger |
| 2 | 4.092      | 0.053             | 0.033           | 0.034      | 0.074             |           | Set Trigger |
| 3 | 4.191      | 0.053             | 0.032           | 0.034      | 0.076             |           | Set Trigger |
| 4 | 4.151      | 0.053             | 0.032           | 0.034      | 0.076             |           | Set Trigger |
| 5 | 4.089      | 0.053             | 0.032           | 0.034      | 0.076             |           | Set Trigger |

AVG 4.11

## Trigger Profile [ lbs,inch ]

Profile: SWS  
GunType: Rifle  
Make: Remington  
Note: R. Putch 2/21/07

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



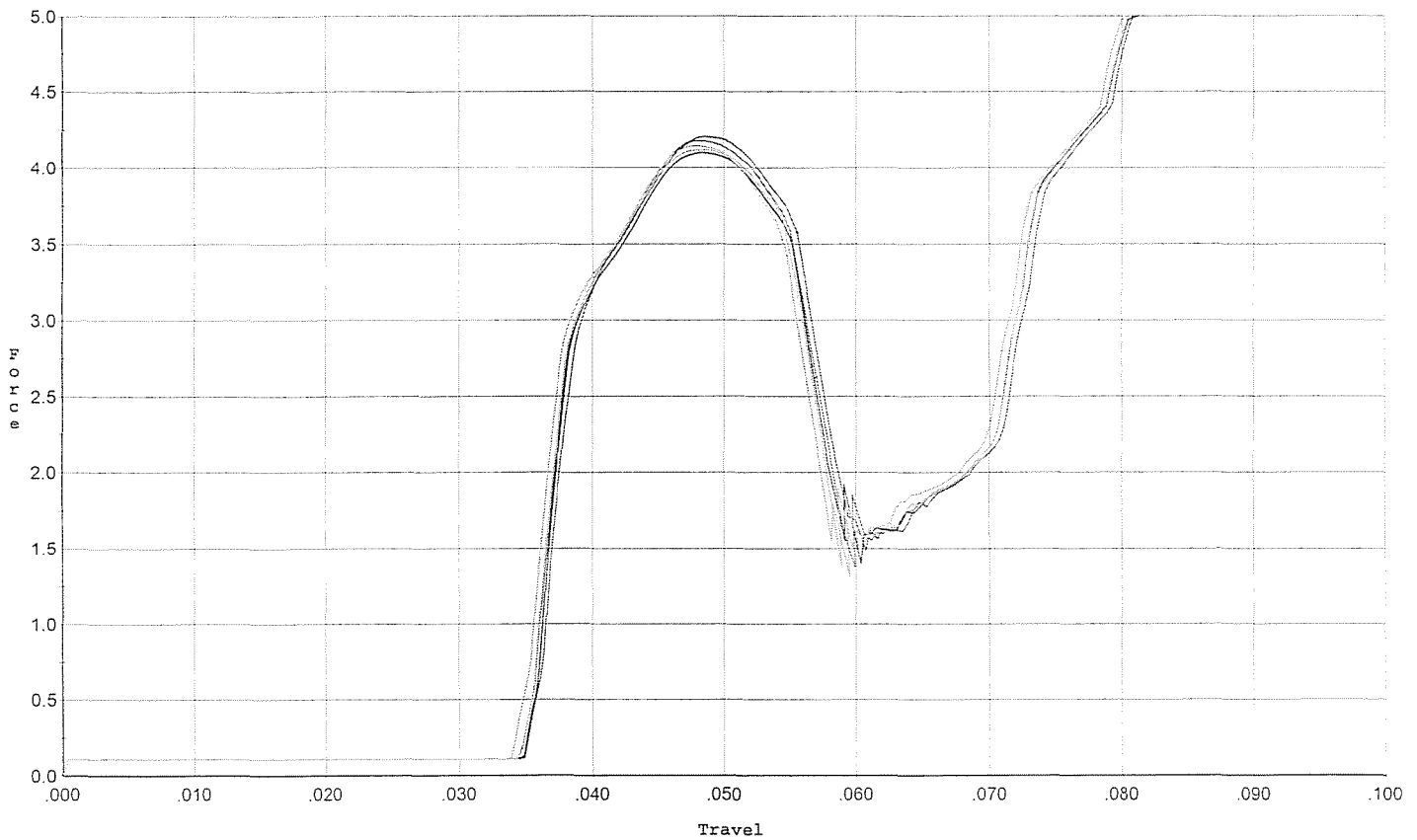
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.531      | 0.052             | 0.034           | 0.038      | 0.042             |           | Set Trigger |
| 2 | 2.512      | 0.053             | 0.034           | 0.037      | 0.044             |           | Set Trigger |
| 3 | 2.469      | 0.054             | 0.033           | 0.037      | 0.044             |           | Set Trigger |
| 4 | 2.441      | 0.053             | 0.033           | 0.037      | 0.043             |           | Set Trigger |
| 5 | 2.502      | 0.052             | 0.033           | 0.037      | 0.043             |           | Set Trigger |

AVG 2.49

**Trigger Profile [ lbs,inch ]**

Profile: SWS  
 GunType: Rifle  
 Make: Remington  
 Note: R. Putch 2/21/07

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



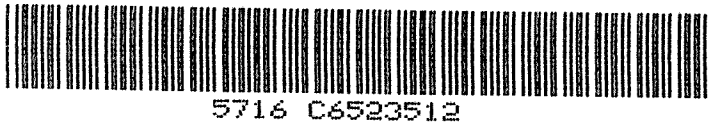
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 4.204      | 0.056             | 0.035           | 0.035      | 0.077             |           | Set Trigger |
| 2 | 4.100      | 0.055             | 0.035           | 0.035      | 0.075             |           | Set Trigger |
| 3 | 4.175      | 0.057             | 0.035           | 0.035      | 0.079             |           | Set Trigger |
| 4 | 4.118      | 0.056             | 0.035           | 0.035      | 0.076             |           | Set Trigger |
| 5 | 4.145      | 0.055             | 0.034           | 0.035      | 0.075             |           | Set Trigger |

Avg 4.14

**M-24 INSPECTION CHECKLIST**  
**CONTRACT #: DAAE-20-02-C-0149**

|               |                                  |                                                                                                                                                                        |                                      |
|---------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| R & E NUMBER  | 125599                           |                                                                                                                                                                        |                                      |
| SERIAL NUMBER | C6523512                         |                                                                                                                                                                        |                                      |
| LOG-IN DATE   | 2-21-07                          |                                                                                                                                                                        |                                      |
| OPERATION #   | OPERATION NAME                   | DATE                                                                                                                                                                   | INITIAL                              |
| 500           | DIS-ASSEMBLE GUN                 | 2-22-07                                                                                                                                                                | RTZ                                  |
| 505           | RE-BARREL                        | 2-23-07                                                                                                                                                                | RR                                   |
| 560           | ASSEMBLE                         | 2-23-07                                                                                                                                                                | RTZ                                  |
| 600           | PROOF                            | 2-27-07                                                                                                                                                                | TRW                                  |
| 605           | CHECK HEADSPACE                  | INSPECTED                                                                                                                                                              | 2-27-07 TRW                          |
| 610           | DIS-ASSEMBLE GUN                 | MAR 02 2007                                                                                                                                                            | 2-28-07 RTZ                          |
| 612           | MAGNAFLUX                        | OPERATOR APD                                                                                                                                                           | 3-2-07 APD                           |
| 510           | DRILL AND TAP                    |                                                                                                                                                                        | 3-1-07 TRW                           |
| 615           | ROLLMARK CALIBER                 |                                                                                                                                                                        | 3-1-07 CW                            |
| 618           | ROTO-BLAST                       |                                                                                                                                                                        | 3-5-07 CB                            |
| 620           | APPLY COATINGS                   |                                                                                                                                                                        | 3-8-07 WJ                            |
| 625           | FINAL ASSEMBLY                   |                                                                                                                                                                        | 3-13-07 RTZ                          |
| 640           | FUNCTION TEST AND                | (PASS) FAIL                                                                                                                                                            |                                      |
| 650           | TARGET                           | (PASS) FAIL                                                                                                                                                            | 3-13-07 TRW                          |
|               | MALFUNCTION <i>Over line Rds</i> | CORRECTION OK                                                                                                                                                          | 3-13-07 non                          |
|               | MALFUNCTION                      | CORRECTION                                                                                                                                                             |                                      |
|               | MALFUNCTION                      | CORRECTION                                                                                                                                                             |                                      |
|               | MALFUNCTION                      | CORRECTION                                                                                                                                                             |                                      |
| 670           | FINAL INSPECTION                 |                                                                                                                                                                        | 3-13-07 Fin                          |
|               | A) HEADSPACE                     | (PASS) FAIL                                                                                                                                                            | 3/13/07 non                          |
|               | B) TRIGGER PULL                  | <div style="border: 1px solid black; padding: 2px; display: inline-block;">           +/- .5 LBS<br/>           MIN 2.50 LBS<br/>           MAX 4.0 LBS         </div> | 2.32 2.19 2.21 2.21 2.18 3-13-07 TRW |
| 680           | F) SAFETY ON FORCE               | <div style="border: 1px solid black; padding: 2px; display: inline-block;">           2 LBS MIN<br/>           10 LBS MAX         </div>                               | 7.75 8.0 7.75 3-13-07 TRW            |
|               | G) SAFETY OFF FORCE              | <div style="border: 1px solid black; padding: 2px; display: inline-block;">           2 LBS<br/>           MIN         </div>                                          | 2.75 3.0 2.75 3-13-07 TRW            |
|               | I) FIRING PIN INDENT             | .020                                                                                                                                                                   | .024 .023 .024 3-13-07 TRW           |
| 690           | PACK                             |                                                                                                                                                                        | 3-13-07 RA                           |

|                                                                                      |  |                                             |                                                                                           |
|--------------------------------------------------------------------------------------|--|---------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Remington</b>                                                                     |  | <b>DU PONT</b><br>REG. U.S. PAT. & TM. OFF. | VERY IMPORTANT:<br>Instruction Book<br>enclosed to assure<br>safe use of this<br>firearm. |
| <b>MODEL 700™ M24</b>                                                                |  | <b>SERIAL NO.</b><br>C6523512               | <b>ORDER NO.</b><br><b>5716</b>                                                           |
| MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee. |  | 01                                          |                                                                                           |



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523512

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 8-21-90 | DB   |
| 600          | Proof                                                          |          | 8-21-90 | DB   |
| 607          | Check Headspace                                                |          | 8-21-90 | DB   |
| 610          | Dis-assemble Gun                                               |          | 8-21-90 | DB   |
| 612          | Magnaflux Barrel<br>Action                                     |          | 8/21/90 | KCR  |
|              | Magnaflux Bolt                                                 |          | 8/21/90 | KCR  |
| 615          | Rollmark Caliber                                               |          | 8/21/90 | KCR  |
| 617          | Drill and Tap Sight Holes                                      |          | 8/23/90 | FB   |
| 618          | Polish Barrel RB                                               |          | 8/23/90 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 8-23-90 | JSA  |
|              | Apply Coating (Bolt)                                           |          |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          |         |      |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          |         |      |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          |         |      |
|              | D) Oil Firing Pin Ass'y                                        |          |         |      |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 9/15/90 | WB   |

**BARBER - M24 0029409**

| op. #        | OP. NAME                                                    | READINGS |      |       |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|-------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 5    | 5     |      |      | 9/15/90 | WB   |
|              | G) Safety Off Force                                         | 2        | 2    | 2     |      |      | 9/15/90 | WB   |
|              | H) Trigger Pull Test & Retainability                        |          |      |       |      |      | 9/15/90 | WB   |
|              | I) Firing Pin Indent                                        | .023     | .024 | .0235 |      |      | 9/15/90 | WB   |
|              | J) Assemble Stock                                           |          |      |       |      |      | 9/15/90 | KS   |
|              | K) Assemble Swivel Studs                                    |          |      |       |      |      | 9/17/90 | QD   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |       |      |      | 9/15/90 | KA   |
|              | M) Iron Sight Alignment                                     |          |      |       |      |      | 9/15/90 | KA   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |       |      |      | 9/15/90 | KA   |
|              | O) Attach Scope to Rifle                                    |          |      |       |      |      | 9/15/90 | KA   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |       |      |      | 9/15/90 | KA   |
| 640          | Gallery Target & Test                                       |          |      |       |      |      | 9/16/90 | KT   |
|              | A) Time                                                     |          |      |       |      |      | 9/16/90 | KT   |
|              | B) Malfunctions                                             |          |      |       |      |      | 9/16/90 | KT   |
|              | C) Pierced Primers                                          |          |      |       |      |      | 9/16/90 | KT   |
|              | D) Optical Clarity of Scope                                 |          |      |       |      |      | 9/16/90 | KT   |
| 645          | Inspect for Live Ammo                                       |          |      |       |      |      | 9/16/90 | KT   |
| 655          | Final Inspection                                            |          |      |       |      |      |         |      |
|              | A) Headspace                                                |          |      |       |      |      | 9/17/90 | QD   |
|              | B) Trigger Pull                                             | 2.04     | 2.05 | 2.08  | 2.11 | 2.13 | 9-17-90 | KA   |
|              | C) Function                                                 |          |      |       |      |      | 9/17/90 | QD   |
| 660          | Pack                                                        |          |      |       |      |      | 7-19-90 | DA   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C 6523512

DATE 9/15/90

TESTER WB

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |       | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-------|------------------------------------------------------------------------|
| PULL #1 | 2.45             | 2.34                     | 2.27                           | 2.04  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.57             | 2.29                     | 2.26                           | 2.05  |                                                                        |
| PULL #3 | 2.30             | 2.36                     | 2.25                           | 2.08  |                                                                        |
| PULL #4 | 2.31             | 2.39                     | 2.24                           | 2.11  |                                                                        |
| PULL #5 | 2.35             | 2.28                     | 2.25                           | 2.13  |                                                                        |
| TOTAL   | 11.98            | 11.66                    | 11.27                          | 10.41 |                                                                        |
| AVG.    | 2.39             | 2.33                     | 2.25                           | 2.082 |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.75             | 3.04                     |  |          |
| PULL #2 | 3.19             | 3.00                     |  |          |
| PULL #3 | 3.17             | 2.99                     |  |          |
| PULL #4 | 3.12             | 3.02                     |  |          |
| PULL #5 | 3.11             | 3.00                     |  |          |
| TOTAL   | 15.74            | 15.05                    |  |          |
| AVG.    | 3.15             | 3.01                     |  |          |

|         | 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 | 4.05             | 4.05                     |                                | 3.95                                 |
| PULL #2 | 4.06             | 4.08                     |                                | 3.95                                 |
| PULL #3 | 4.03             | 4.02                     |                                | 3.95                                 |
| PULL #4 | 4.10             | 4.05                     |                                | 4.04                                 |
| PULL #5 | 4.08             | 4.08                     |                                | 4.00                                 |
| TOTAL   | 20.32            | 20.28                    |                                | 19.89                                |
| AVG.    | 2.06             | 2.06                     |                                | 3.98                                 |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6523512  
16 Sep 1990

CENTROIDAL DISTANCES

|      |   |          |
|------|---|----------|
| 0 TO | 1 | .162929  |
| 1 TO | 2 | .313002  |
| 1 TO | 3 | .0774661 |
| 1 TO | 4 | .224183  |
| 1 TO | 5 | .300027  |

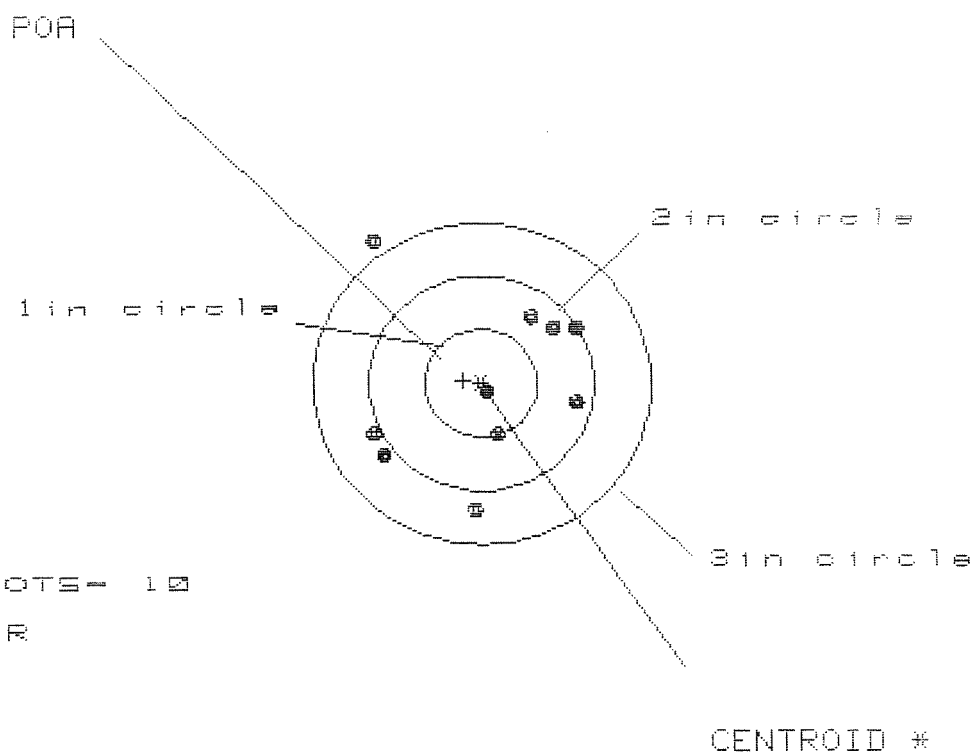
POI <----POI

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .01  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0698  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0705127  
THE AMR FOR THIS RIFLE IS: 1.04

16 Sep 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/08523512

## CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 5

3in = 9

HS= 1.844

VS= 2.446

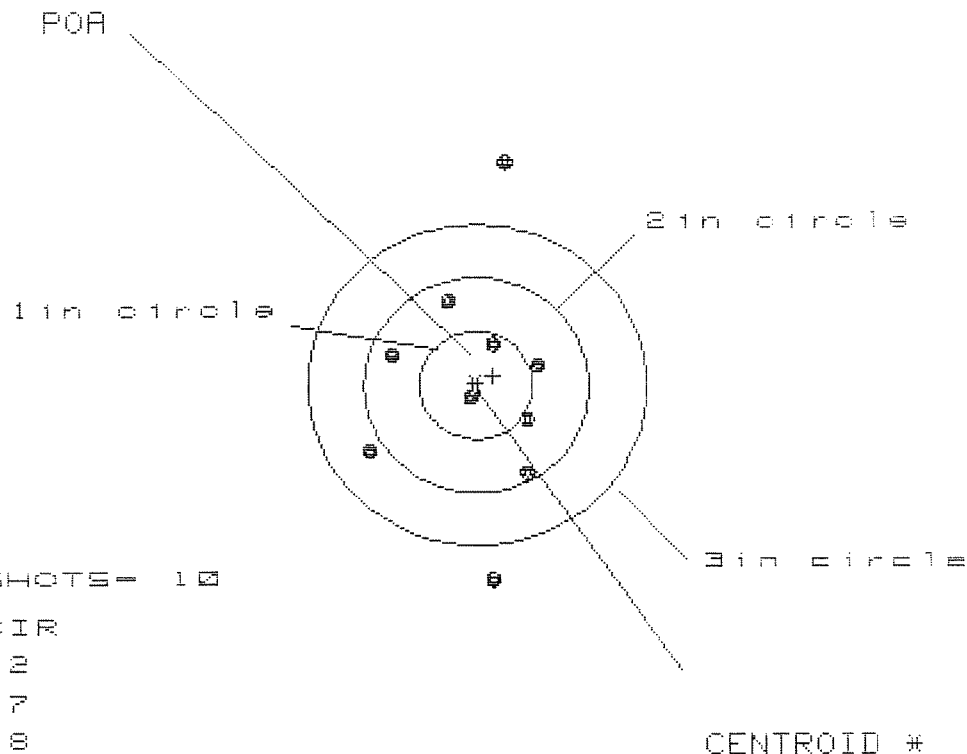
GS= 2.602

| PATTERN #                   | : | 1      | 2      | 3      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .863   | .756   | .733   |
| MINIMUM X                   | : | -.981  | -1.088 | -1.111 |
| MAXIMUM Y                   | : | 1.316  | .781   | .658   |
| MINIMUM Y                   | : | -1.130 | -.984  | -.679  |
| CENTROID X                  | : | .161   | .268   | .291   |
| CENTROID Y                  | : | -.025  | -.171  | -.048  |
| POA TO CENTROID in.         | : | .163   | .318   | .295   |
| MIN RADIUS                  | : | .041   | .157   | .139   |
| MEAN RADIUS                 | : | .903   | .808   | .773   |
| MAX RADIUS                  | : | 1.632  | 1.138  | 1.222  |
| HORIZONTAL SPREAD           | : | 1.844  | 1.844  | 1.844  |
| VERTICAL SPREAD             | : | 2.446  | 1.765  | 1.337  |
| EXTREME SPREAD              | : | 2.602  | 2.138  | 2.138  |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 9      |        |        |

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## CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 1.568

VS= 3.951

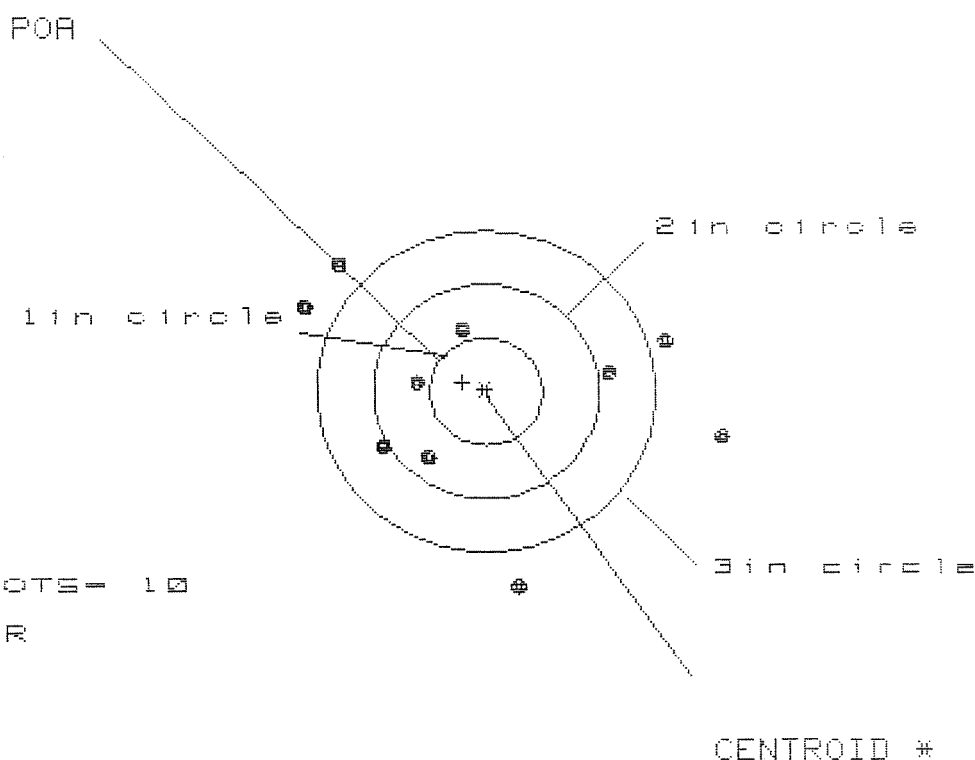
GS= 3.951

| PATTERN #                   | : | 2      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | .592   | .616   | .643  |
| MINIMUM X                   | : | -.976  | -.952  | -.925 |
| MAXIMUM Y                   | : | 2.135  | .984   | .787  |
| MINIMUM Y                   | : | -1.816 | -1.579 | -.802 |
| CENTROID X                  | : | -.146  | -.170  | -.197 |
| CENTROID Y                  | : | -.086  | -.323  | -.126 |
| POA TO CENTROID in.         | : | .169   | .365   | .234  |
| MIN RADIUS                  | : | .114   | .150   | .055  |
| MEAN RADIUS                 | : | .927   | .801   | .662  |
| MAX RADIUS                  | : | 2.146  | 1.594  | 1.077 |
| HORIZONTAL SPREAD           | : | 1.568  | 1.568  | 1.568 |
| VERTICAL SPREAD             | : | 3.951  | 2.563  | 1.589 |
| EXTREME SPREAD              | : | 3.951  | 2.594  | 1.731 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |       |

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## CENTERFIRE PATTERNS # 3



# OF SHOTS= 10

# IN CIR

1in = 0

2in = 3

3in = 5

HS= 3.701

VS= 3.002

GS= 3.889

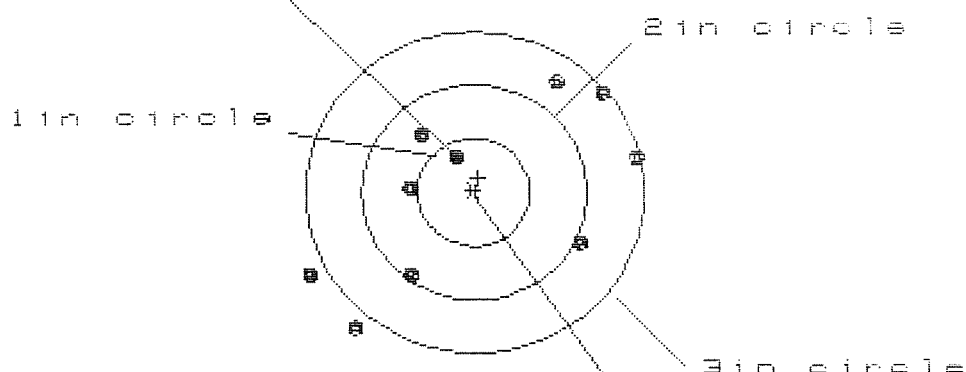
| PATTERN #                   | : | 3      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 2.079  | 1.842  | 1.911  |
| MINIMUM X                   | : | -1.622 | -1.391 | -1.322 |
| MAXIMUM Y                   | : | 1.215  | 1.172  | .943   |
| MINIMUM Y                   | : | -1.787 | -1.830 | -.929  |
| CENTROID X                  | : | .210   | -.021  | -.090  |
| CENTROID Y                  | : | -.085  | -.042  | .187   |
| POA TO CENTROID in.         | : | .227   | .047   | .208   |
| MIN RADIUS                  | : | .621   | .389   | .360   |
| MEAN RADIUS                 | : | 1.346  | 1.213  | 1.104  |
| MAX RADIUS                  | : | 2.115  | 1.912  | 1.924  |
| HORIZONTAL SPREAD           | : | 3.701  | 3.233  | 3.233  |
| VERTICAL SPREAD             | : | 3.002  | 3.002  | 1.872  |
| EXTREME SPREAD              | : | 3.889  | 3.406  | 3.248  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 5      |        |

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## CENTERFIRE PATTERNS # 4

POR



# OF SHOTS = 10

# IN CIR

1in = 1

2in = 4

3in = 7

HS = 2.957

VS = 2.251

GS = 3.161

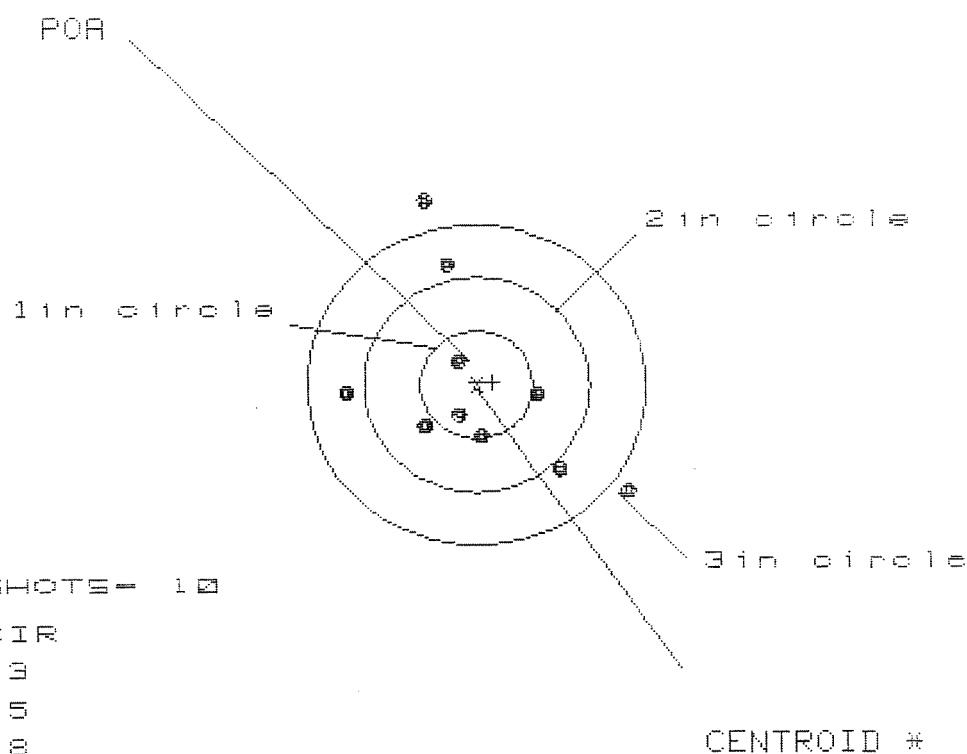
CENTROID #

| PATTERN #                   | : | 4      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.468  | 1.303  | 1.152  |
| MINIMUM X                   | : | -1.489 | -1.207 | -.926  |
| MAXIMUM Y                   | : | 1.002  | .918   | .751   |
| MINIMUM Y                   | : | -1.249 | -1.333 | -1.000 |
| CENTROID X                  | : | -.036  | .129   | .280   |
| CENTROID Y                  | : | -.132  | -.048  | .119   |
| POR TO CENTROID in.         | : | .137   | .138   | .304   |
| MIN RADIUS                  | : | .397   | .448   | .525   |
| MEAN RADIUS                 | : | 1.123  | 1.061  | .957   |
| MAX RADIUS                  | : | 1.670  | 1.798  | 1.363  |
| HORIZONTAL SPREAD           | : | 2.957  | 2.510  | 2.078  |
| VERTICAL SPREAD             | : | 2.251  | 2.251  | 1.751  |
| EXTREME SPREAD              | : | 3.161  | 3.083  | 2.426  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

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## CENTERFIRE PATTERNS # 5



# OF SHOTS= 10

# IN CIR

1in = 3

2in = 5

3in = 8

HS= 2.492

VS= 2.670

GS= 3.234

| PATTERN #                     | 5      |
|-------------------------------|--------|
| SHOTS (BEST OF)               | 10     |
| MAXIMUM X                     | 1.353  |
| MINIMUM X                     | -1.139 |
| MAXIMUM Y                     | 1.677  |
| MINIMUM Y                     | -.993  |
| CENTROID X                    | -.139  |
| CENTROID Y                    | -.021  |
| POA TO CENTROID in.           | .140   |
| MIN RADIUS                    | .284   |
| MEAN RADIUS                   | .900   |
| MAX RADIUS                    | 1.742  |
| HORIZONTAL SPREAD             | 2.492  |
| VERTICAL SPREAD               | 2.670  |
| EXTREME SPREAD                | 3.234  |
| NUMBER IN ONE INCH CIRCLE =   | 3      |
| NUMBER IN TWO INCH CIRCLE =   | 5      |
| NUMBER IN THREE INCH CIRCLE = | 8      |