01/09/09 14:55:39

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: RE00158404
Verify Repair

Serial: G6535417 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:
Status: Closed 1/9/2009 10:58:51 AM

Address Information

| Customer: (Received From) | Return To: (Received From) |
|---|---|
| Name: TRANSPORTATION OFFICER | TRANSPORTATION OFFICER |
| Address 1: USPFO FOR ARKANSAS BLDG 318 | USPFO FOR ARKANSAS BLDG 318 |
| Address 2: CAMP ROBINSON BLDG 318 PO Box: | CAMP ROBINSON BLDG 318 PO Box: |
| City: NORTH LITTLE ROCK | NORTH LITTLE ROCK |
| State: AR Zip Code: 72199 Country: US | State: AR Zip Code: 72199 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 |
| A010 | Hard Case | 1 |
| A017 | Scope Base | 1 |
| A057 | Frt and Rear Sgt Base | 1 |

Repair Search | Refresh | Close

nagletj | 1/9/2009 | 2:55 PM | CAPS | NUM | INS | SCRL

Start | 2 Mi... | South... | 4 Mi... | Part 5... | Arms... | Stock...

G6695416 (New)

Serial Number: ~~G6535417~~

Model: M24 SWS

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

R & E NUMBER 158404
SERIAL NUMBER G669416 Replaced G
LOG-IN DATE 1-9-09

| OPERATION # | OPERATION NAME | | DATE | INITIAL |
|---|---|---|---|---|
| 500 | DIS-ASSEMBLE GUN | | 1-12-09 | RTZ |
| 505 | RE-BARREL | | 1-13-09 | RTZ |
| 560 | ASSEMBLE | | 1-13-09 | RTZ |
| 600 | PROOF | MAGNA - FLUX | 1-14-09 | TC |
| 605 | CHECK HEADSPACE | | 1-14-09 | RTZ |
| 610 | DIS-ASSEMBLE GUN | OPERATOR | 1-14-09 | RTZ |
| 612 | MAGNAFLUX | | 1/14/09 | WA |
| 510 | DRILL AND TAP | | 1-14-09 | SP |
| 615 | ROLLMARK CALIBER | | | |
| 618 | ROTO-BLAST | | 1/19/09 | RT |
| 620 | APPLY COATINGS | | 122 | — |
| 625 | FINAL ASSEMBLY | | 1-26-09 | RTZ |
| 640 | FUNCTION TEST AND | PASS FAIL | 1-26-09 | LPD |
| 650 | TARGET | PASS FAIL | 1-26-09 | LPD |
| | MALFUNCTION | CORRECTION | | |
| | MALFUNCTION | CORRECTION N/A | | |
| | MALFUNCTION | CORRECTION | | |
| | MALFUNCTION | CORRECTION | | |
| 670 | FINAL INSPECTION | | 1-28-09 | LW |
| | A) HEADSPACE | PASS FAIL | 1-28-09 | LW |
| | B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS) | 2.39 2.44 2.36 2.31 2.31 | 1/27/09 | FM |
| 680 | F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX) | 4.0 4.0 4.0 | 1-28-09 | LW |
| | G) SAFETY OFF FORCE (2 LBS MIN) | 6.0 6.0 6.0 | 1-28-09 | LW |
| | I) FIRING PIN INDENT (.020) | -.023 .023 .023 | 1-28-09 | LW |
| 690 | PACK | | 1-28-09 | FM |

# EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

| 1. ORGANIZATION | 2. NOMENCLATURE AND MODEL |
|---|---|
| NGMTA | 7.62mm M24 Sniper Weapon System |

| 3. REGISTRATION/SERIAL/NSN | 4a. MILES | b. HOURS | c. ROUNDS FIRED | d. HOT STARTS | 5. DATE | 6. TYPE INSPECTION |
|---|---|---|---|---|---|---|
| G6535417 | | | 12500 | | 10 Sept 2008 | PMCS |

7. APPLICABLE REFERENCE

| TM NUMBER | TM DATE | TM NUMBER | TM DATE |
|---|---|---|---|
| 9-1005-306-10 | JUNE 1989 | | |

COLUMN a – Enter TM item number.

COLUMN b – Enter the applicable condition status symbol.

COLUMN c – Enter deficiencies and shortcomings.

COLUMN d – Show corrective action for deficiency or shortcoming listed in Column c.

COLUMN e – Individual ascertaining completed corrective action initial in this column.

STATUS SYMBOLS

"X" – Indicates a deficiency in the equipment that places it in an inoperable status.

CIRCLED "X" – Indicates a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until corrective action can be accomplished.

HORIZONTAL DASH "(-)" – Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished.

DIAGONAL "(/)" – Indicates a material defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable.

LAST NAME INITIAL IN BLACK, BLUE-BLACK INK, OR PENCIL - Indicates that a completely satisfactory condition exists.

FOR AIRCRAFT - Status symbols will be recorded in red.

*ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.*

| 8a. SIGNATURE (Person(s) performing inspection) | 8b. TIME | 9a. SIGNATURE (Maintenance Supervisor) | 9b. TIME | 10. MANHOURS REQUIRED |
|---|---|---|---|---|
| B. D. Fulle | 09:30 | | | |

| TM ITEM NO. a | STATUS b | DEFICIENCIES AND SHORTCOMINGS c | CORRECTIVE ACTION d | INITIAL WHEN CORRECTED e |
|---|---|---|---|---|
| | X | Shot Out | Rebarrel | |
| | | | | |
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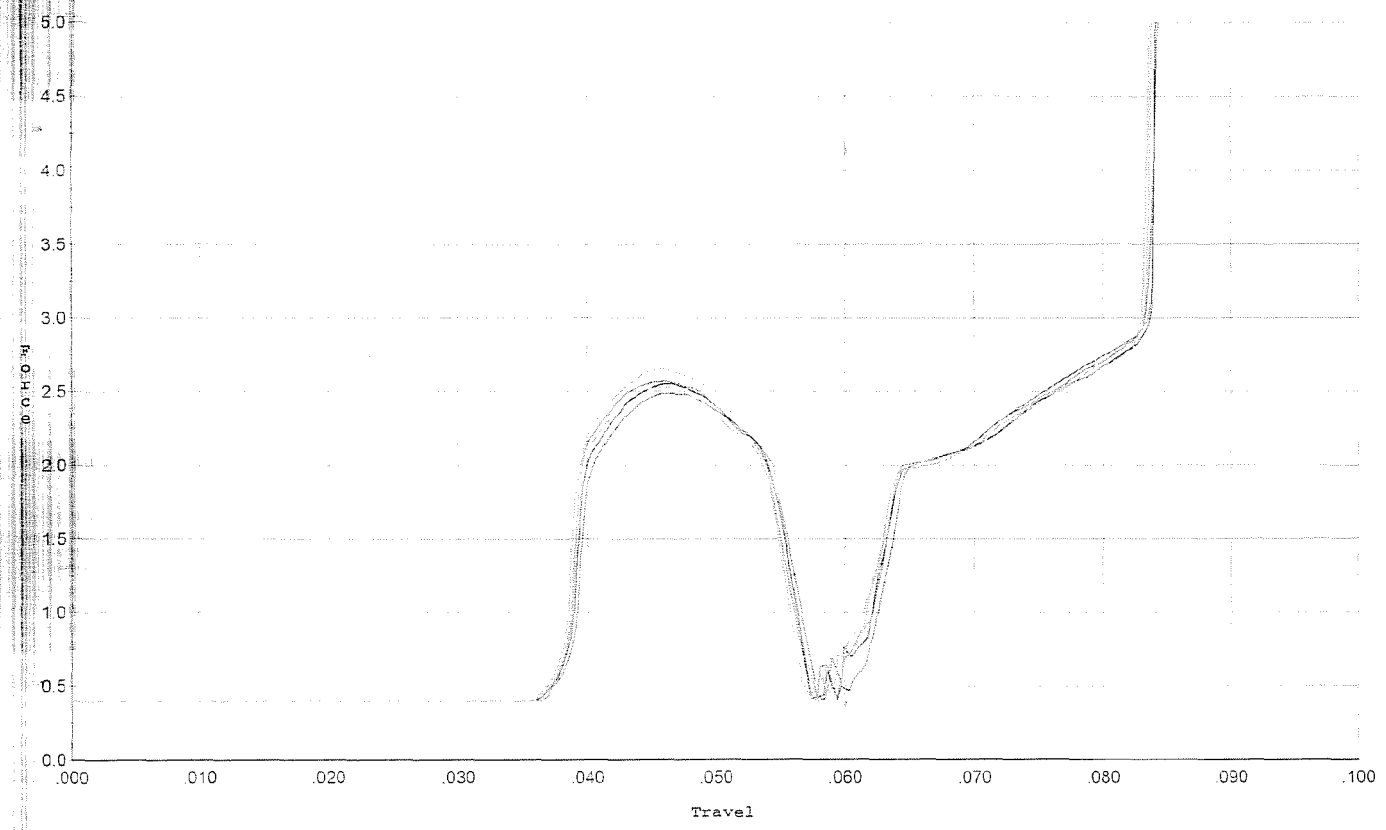
| | | | | |

DA FORM 2404, APR 79 Replaces edition of 1 Jan 64, which will be used USAPPC V1.10

# Trigger Profile [ lbs,inch ]

| | | | |
|---|---|---|---|
| Profile | SWS | Model: | M/24 |
| GunType: | Rifle | Serial No: | Form #F005 |
| Make: | Remington | Trigger: | 2.5 lbs. ini. +/- .50 lbs. |
| Note: | R.P. 1/19/09 | | |



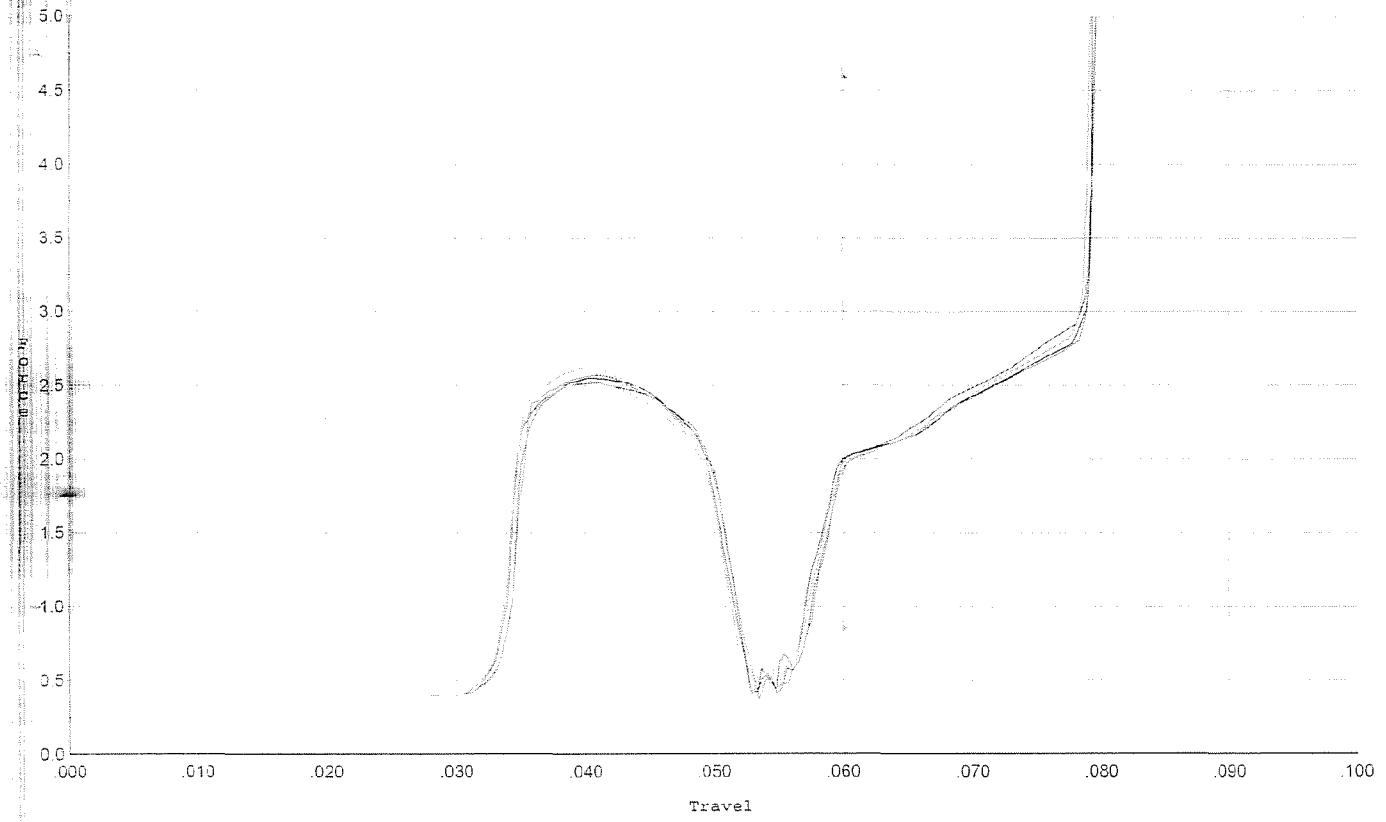

| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|---|---|---|---|---|---|---|
| 1 | 2.485 | 0.056 | 0.037 | 0.035 | 0.053 | | Set Trigger |
| 2 | 2.554 | 0.055 | 0.038 | 0.035 | 0.053 | | Set Trigger |
| 3 | 2.572 | 0.054 | 0.038 | 0.036 | 0.052 | | Set Trigger |
| 4 | 2.655 | 0.054 | 0.038 | 0.035 | 0.054 | | Set Trigger |
| 5 | 2.533 | 0.054 | 0.037 | 0.035 | 0.052 | | Set Trigger |

Avg 2.56

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 1/19/2009 6:31:09 PM

## Trigger Profile [ lbs,inch ]

| | | | |
|---|---|---|---|
| Profile | SWS | Model: | M/24 |
| GunType: | Rifle | Serial No: | Form #F005 |
| Make: | Remington | Trigger: | 2.5 lbs. after 50 cycles +/- .50 lbs. |
| Note: | R.P. 1/19/09 | | |



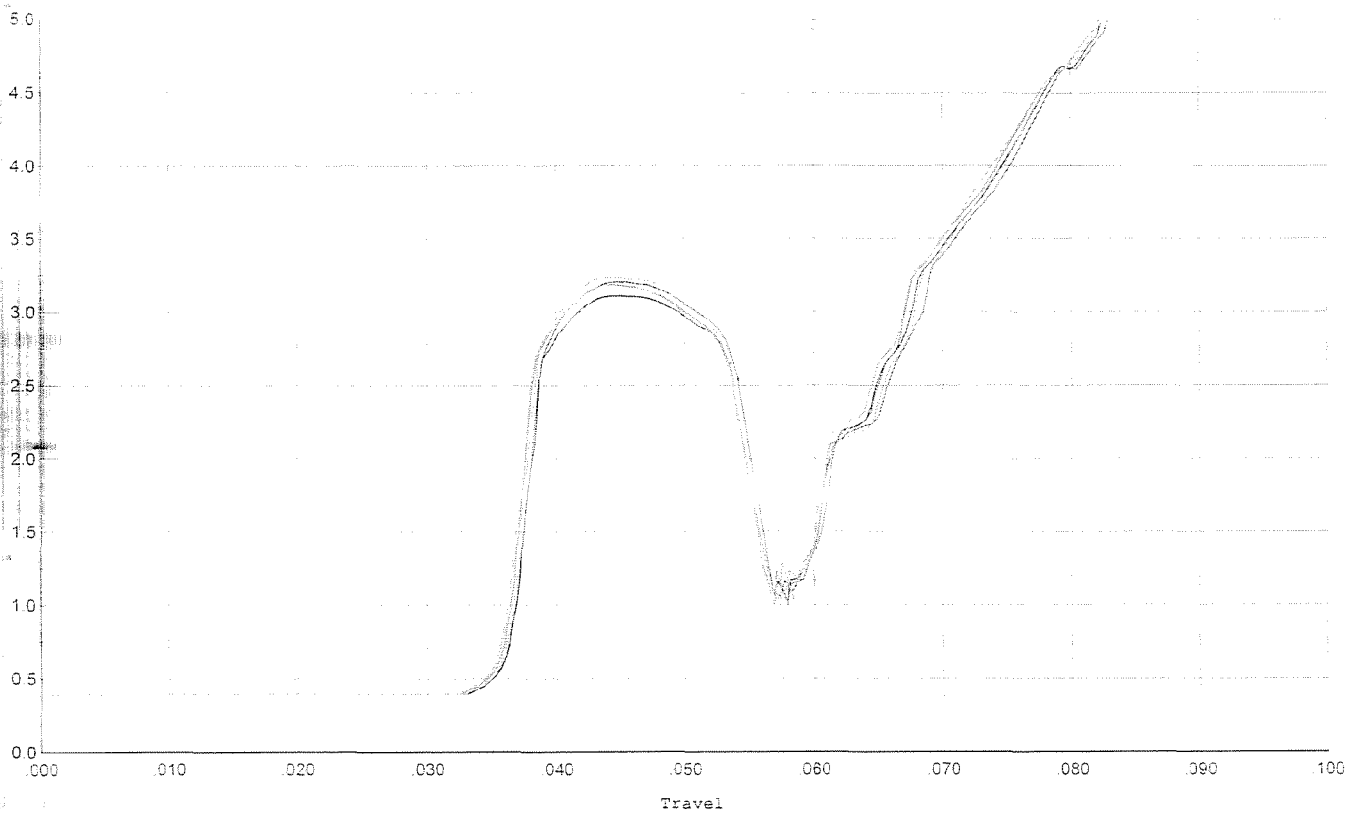

| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|---|---|---|---|---|---|---|
| 1 | 2.517 | 0.050 | 0.033 | 0.034 | 0.052 | | Set Trigger |
| 2 | 2.549 | 0.049 | 0.033 | 0.034 | 0.051 | | Set Trigger |
| 3 | 2.569 | 0.050 | 0.033 | 0.034 | 0.052 | | Set Trigger |
| 4 | 2.531 | 0.050 | 0.033 | 0.034 | 0.051 | | Set Trigger |
| 5 | 2.620 | 0.050 | 0.033 | 0.034 | 0.052 | | Set Trigger |

Avg 2.55

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc., 1/19/2009 6:32:48 PM

## Trigger Profile [ lbs,inch ]

| | | | |
|---|---|---|---|
| Profile | SWS | Model: | M/24 |
| GunType: | Rifle | Serial No: | Form #F005 |
| Make: | Remington | Trigger: | 3.0 lbs. ini. +/- .75 lbs. |
| Note: | R.P. 1/19/09 | | |



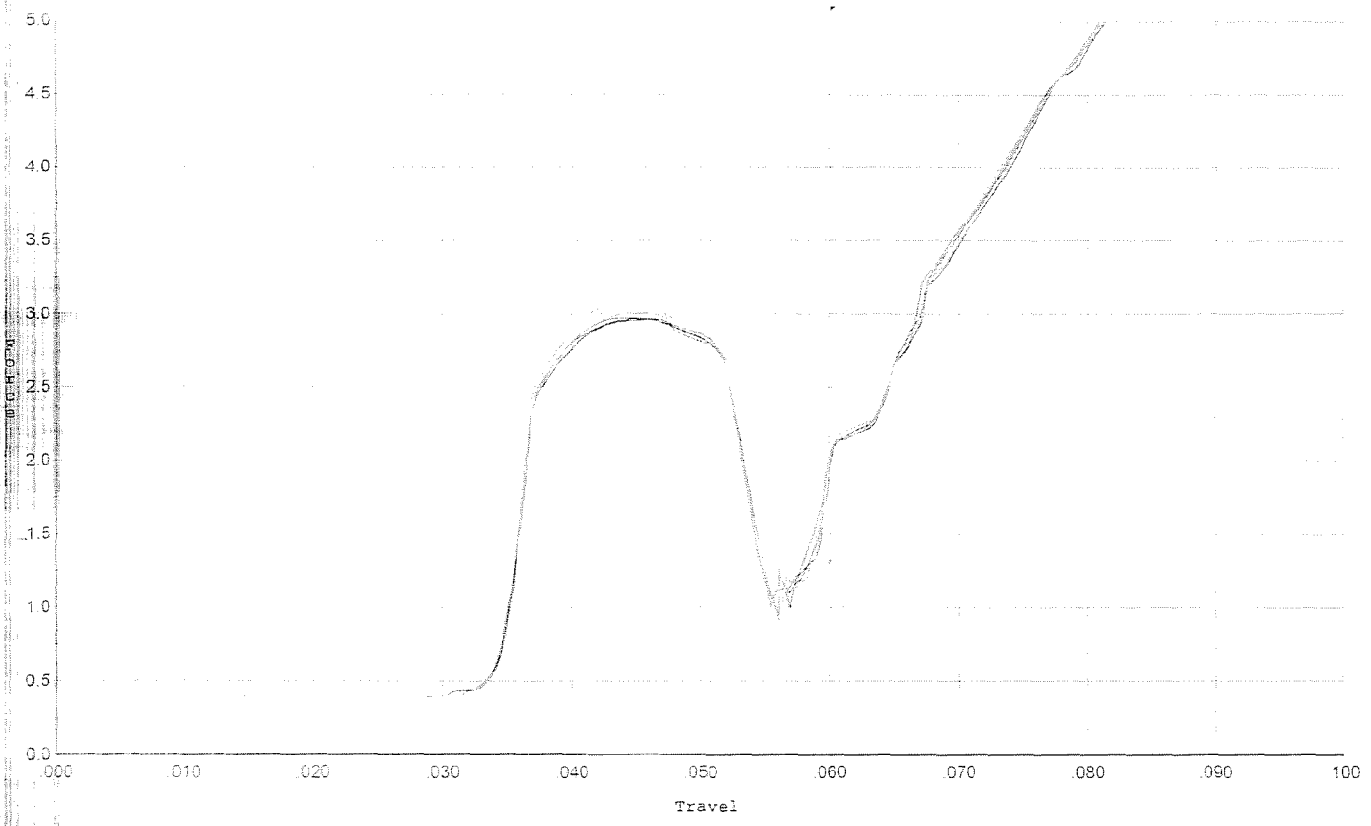

| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|---|---|---|---|---|---|---|
| 1 | 3.205 | 0.054 | 0.036 | 0.034 | 0.066 | | Set Trigger |
| 2 | 3.109 | 0.053 | 0.036 | 0.034 | 0.064 | | Set Trigger |
| 3 | 3.186 | 0.054 | 0.036 | 0.034 | 0.065 | | Set Trigger |
| 4 | 3.196 | 0.053 | 0.036 | 0.034 | 0.065 | | Set Trigger |
| 5 | 3.233 | 0.054 | 0.035 | 0.034 | 0.066 | | Set Trigger |

Avg 3.18

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc., 1/19/2009 6:34:54 PM

# Trigger Profile [ lbs,inch ]

| | | | |
|---|---|---|---|
| Profile | SWS | Model: | M/24 |
| GunType: | Rifle | Serial No: | Form #F005 |
| Make: | Remington | Trigger: | 3.0 lbs. after 20 cycles +/- .75 lbs. |
| Note: | R.P. 1/19/09 | | |



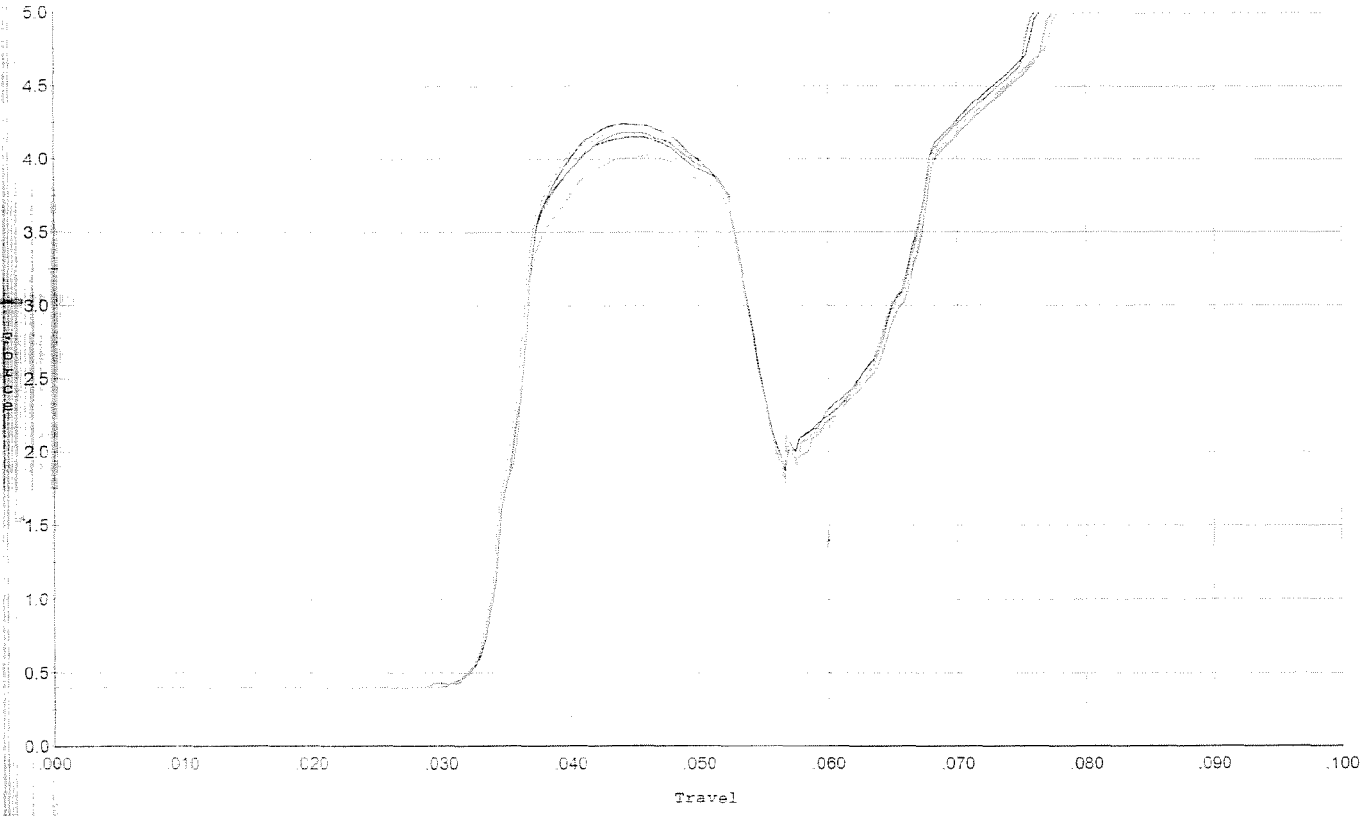

| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|---|---|---|---|---|---|---|
| 1 | 2.961 | 0.052 | 0.034 | 0.034 | 0.062 | | Set Trigger |
| 2 | 2.964 | 0.052 | 0.034 | 0.034 | 0.061 | | Set Trigger |
| 3 | 2.970 | 0.052 | 0.034 | 0.034 | 0.062 | | Set Trigger |
| 4 | 3.007 | 0.053 | 0.034 | 0.034 | 0.064 | | Set Trigger |
| 5 | 3.073 | 0.052 | 0.034 | 0.034 | 0.062 | | Set Trigger |

Aug 2.99

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 1/19/2009 6:36:08 PM

## Trigger Profile [ lbs,inch ]

| | | | |
|---|---|---|---|
| Profile | SWS | Model: | M/24 |
| GunType: | Rifle | Serial No: | Form #F005 |
| Make: | Remington | Trigger: | 4.0 lbs. ini. +/- 1.0 lbs. |
| Note: | R.P. 1/19/09 | | |



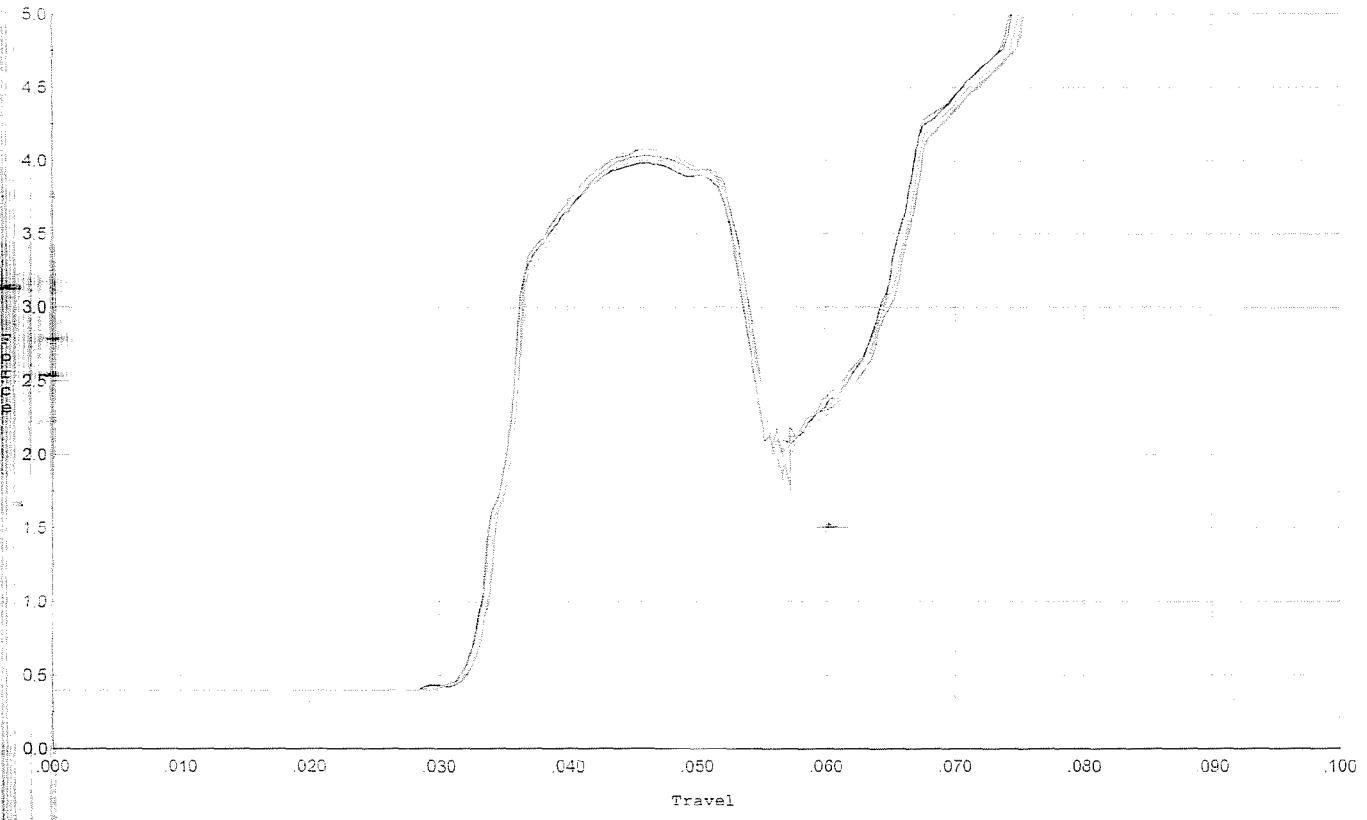

| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|---|---|---|---|---|---|---|
| 1 | 4.153 | 0.052 | 0.033 | 0.030 | 0.084 | | Set Trigger |
| 2 | 4.244 | 0.052 | 0.033 | 0.030 | 0.085 | | Set Trigger |
| 3 | 4.183 | 0.052 | 0.033 | 0.032 | 0.084 | | Set Trigger |
| 4 | 4.023 | 0.052 | 0.033 | 0.032 | 0.082 | | Set Trigger |
| 5 | 4.234 | 0.052 | 0.033 | 0.032 | 0.085 | | Set Trigger |

Avg 4.16

Trigger Scan 2.01 .SN 10337, printed by Remingyton Arms Co., Inc.. 1/19/2009 6:38:02 PM

# Trigger Profile [ lbs,inch ]

| | | | |
|---|---|---|---|
| Profile | SWS | Model: | M/24 |
| GunType: | Rifle | Serial No: | Form #F005 |
| Make: | Remington | Trigger: | 4.0 lbs. after 20 cycles +/- 1.0 lbs. |
| Note: | R.P. 1/19/09 | | |



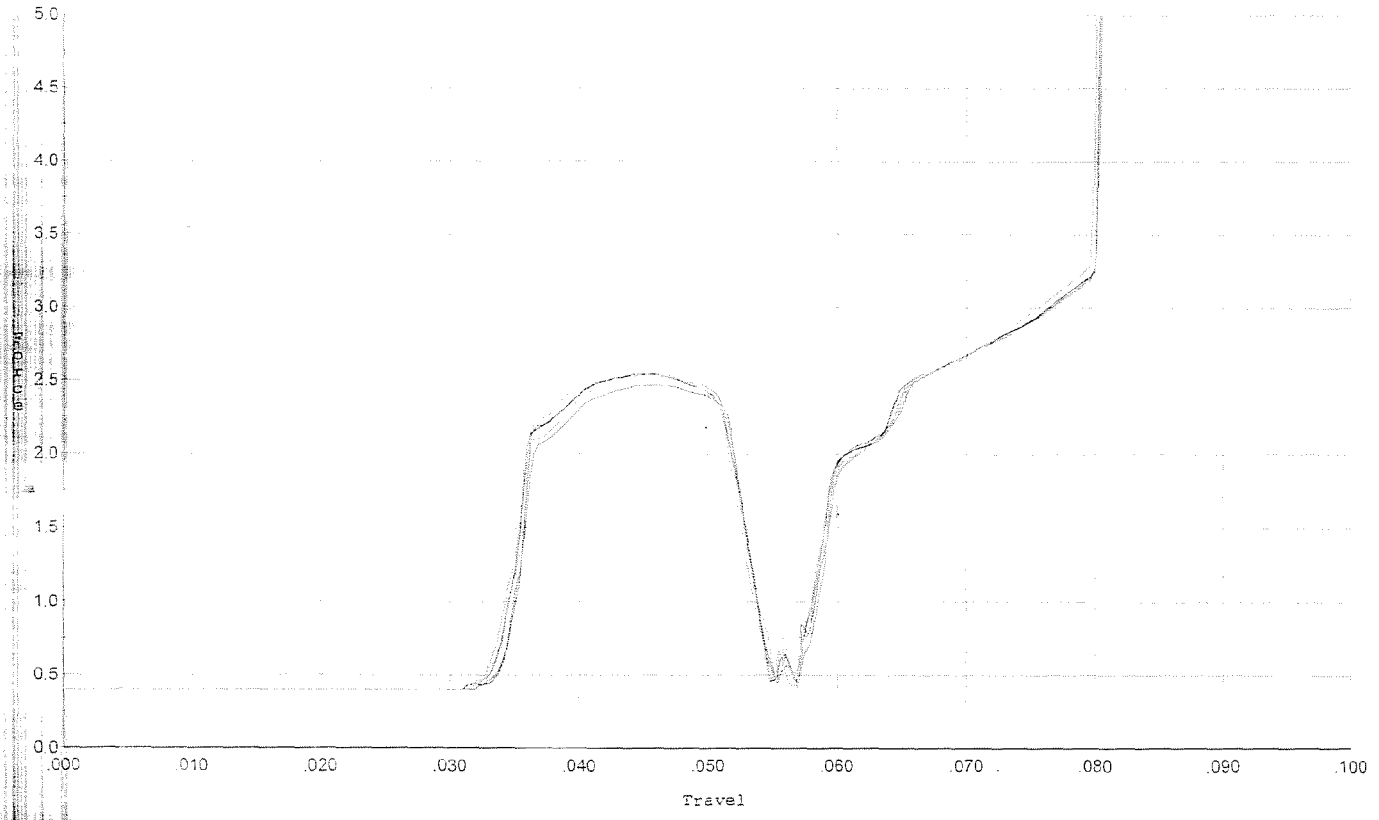

| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|---|---|---|---|---|---|---|
| 1 | 4.077 | 0.053 | 0.033 | 0.026 | 0.085 | | Set Trigger |
| 2 | 3.980 | 0.053 | 0.032 | 0.027 | 0.083 | | Set Trigger |
| 3 | 4.036 | 0.053 | 0.033 | 0.027 | 0.085 | | Set Trigger |
| 4 | 4.076 | 0.052 | 0.033 | 0.027 | 0.083 | | Set Trigger |
| 5 | 4.003 | 0.052 | 0.032 | 0.027 | 0.082 | | Set Trigger |

Avg 4.03

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc., 1/19/2009 6:39:52 PM

# Trigger Profile [ lbs,inch ]

| | | | |
|---|---|---|---|
| Profile | SWS | Model: | M/24 |
| GunType: | Rifle | Serial No: | Form #F005 |
| Make: | Remington | Trigger: | reset to 2.5 lbs. +/- .50 lbs. for final test |
| Note: | R.P. 1/19/09 | | |



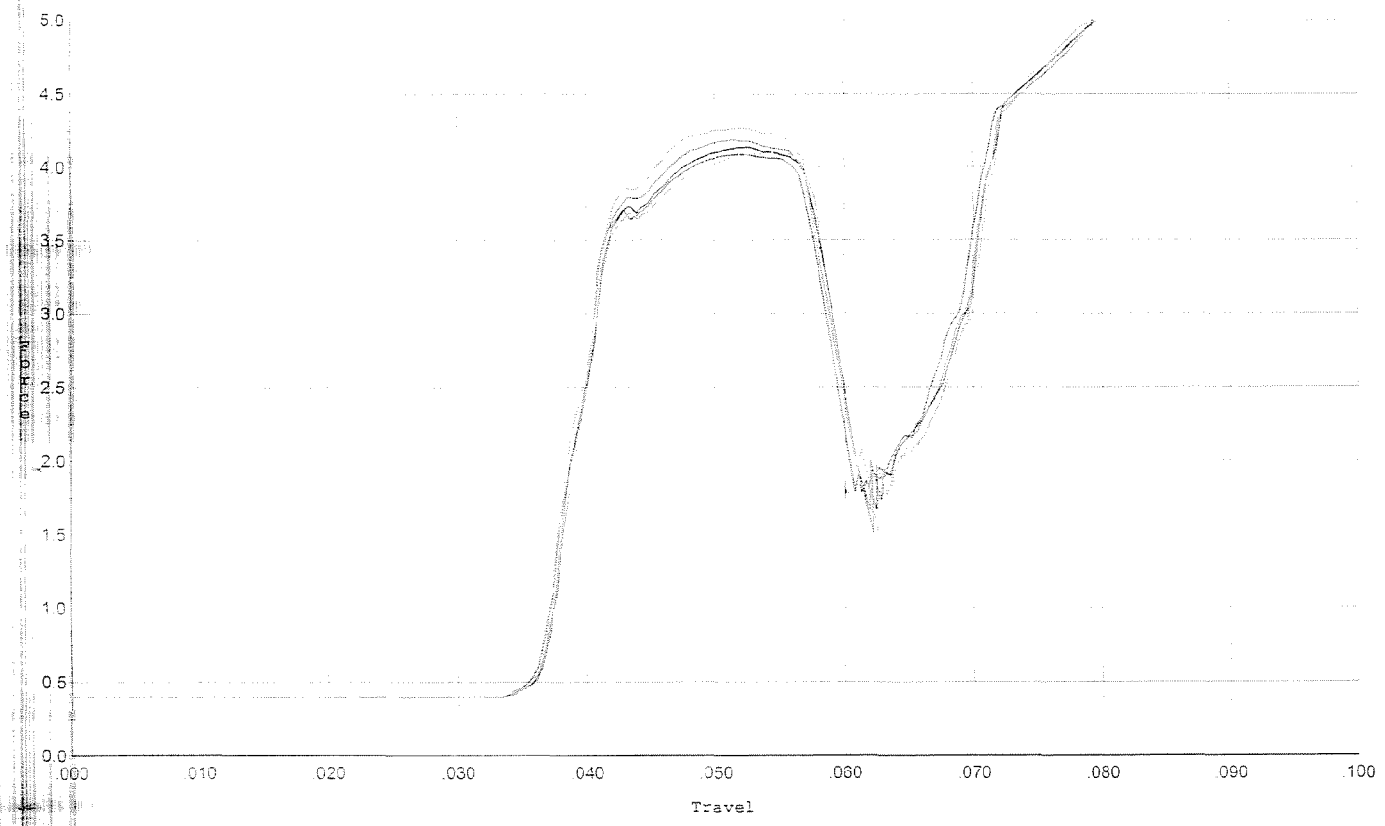

| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|---|---|---|---|---|---|---|
| 1 | 2.555 | 0.052 | 0.034 | 0.034 | 0.054 | | Set Trigger |
| 2 | 2.545 | 0.052 | 0.034 | 0.034 | 0.055 | | Set Trigger |
| 3 | 2.469 | 0.052 | 0.034 | 0.034 | 0.053 | | Set Trigger |
| 4 | 2.617 | 0.051 | 0.034 | 0.034 | 0.056 | | Set Trigger |
| 5 | 2.496 | 0.051 | 0.033 | 0.034 | 0.054 | | Set Trigger |

Avg 2.53

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc., 1/19/2009 6:42:46 PM

## Trigger Profile [ lbs,inch ]

| | | | |
|---|---|---|---|
| Profile | SWS | Model: | M/24 |
| GunType: | Rifle | Serial No: | Form #F005 |
| Make: | Remington | Trigger: | set to 4.0 lbs. +/- 1.0 lbs. for target & accuracy |
| Note: | R.P. 1/19/09 | | |




| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|---|---|---|---|---|---|---|
| 1 | 4.088 | 0.058 | 0.036 | 0.029 | 0.091 | | Set Trigger |
| 2 | 4.136 | 0.058 | 0.037 | 0.029 | 0.092 | | Set Trigger |
| 3 | 4.184 | 0.057 | 0.036 | 0.029 | 0.090 | | Set Trigger |
| 4 | 4.103 | 0.058 | 0.037 | 0.029 | 0.091 | | Set Trigger |
| 5 | 4.268 | 0.057 | 0.036 | 0.029 | 0.092 | | Set Trigger |

Avg 4.15

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc., 1/19/2009 6:45:40 PM

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6695416.__0
FILE DATE AND TIME: 01/27/2009 06:54

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

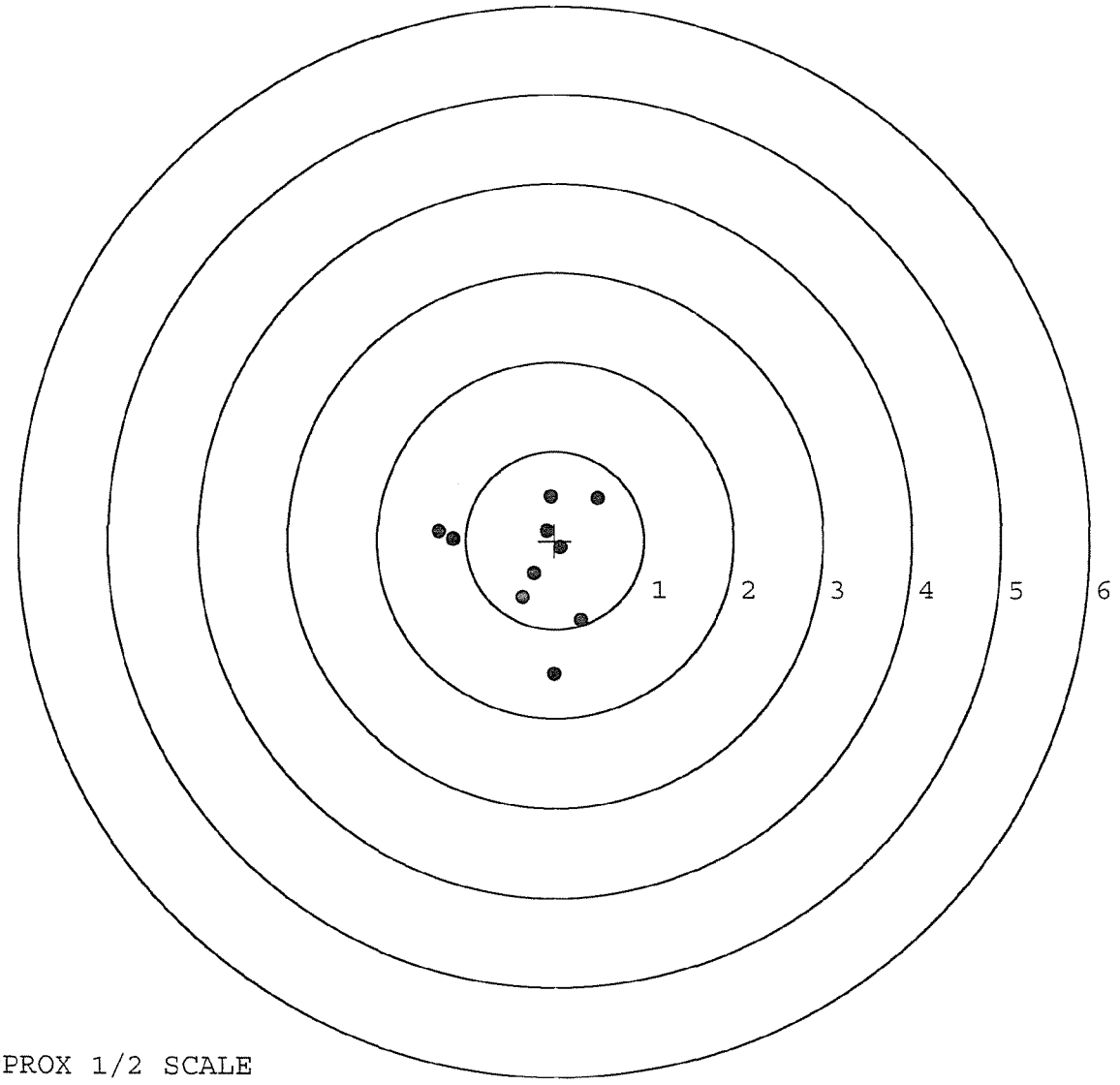
| | |
|---|---|
| The Average X Centroid of the Five Target Set: | -0.016 |
| The Average Y Centroid of the Five Target Set: | 0.001 |
| The Average Point of Impact of the Five Target Set: | 0.016 |
| The Average Mean Radius of the Five Target Set: | 0.689 |
| The Distance from POA to Centroid Target #1: | 0.328 |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.523 |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.386 |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.396 |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.407 |

**BARBER - M24 0179560**

SERIAL NUMBER: G6695416.__0
TARGET NUMBER: 1
FILE DATE: 01/27/2009
FILE TIME: 06:54

| | |
|---|---|
| X CENTROID: | -0.237 |
| Y CENTROID: | -0.227 |
| POA TO CENTROID: | 0.328 |
| HORZ SPREAD: | 1.781 |
| VERT SPREAD: | 2.008 |
| GROUP SPREAD: | 2.071 |
| MIN RADIUS: | 0.141 |
| MAX RADIUS: | 1.302 |
| MEAN RADIUS: | 0.726 |
| # IN 1 IN DIAMETER: | 4 |
| # IN 2 IN DIAMETER: | 7 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.477 | 0.478 |
| 2: | -1.304 | 0.112 |
| 3: | -1.143 | 0.024 |
| 4: | -0.050 | 0.498 |
| 5: | -0.087 | 0.113 |
| 6: | 0.066 | -0.074 |
| 7: | -0.238 | -0.368 |
| 8: | -0.362 | -0.642 |
| 9: | 0.290 | -0.902 |
| 10: | -0.017 | -1.510 |

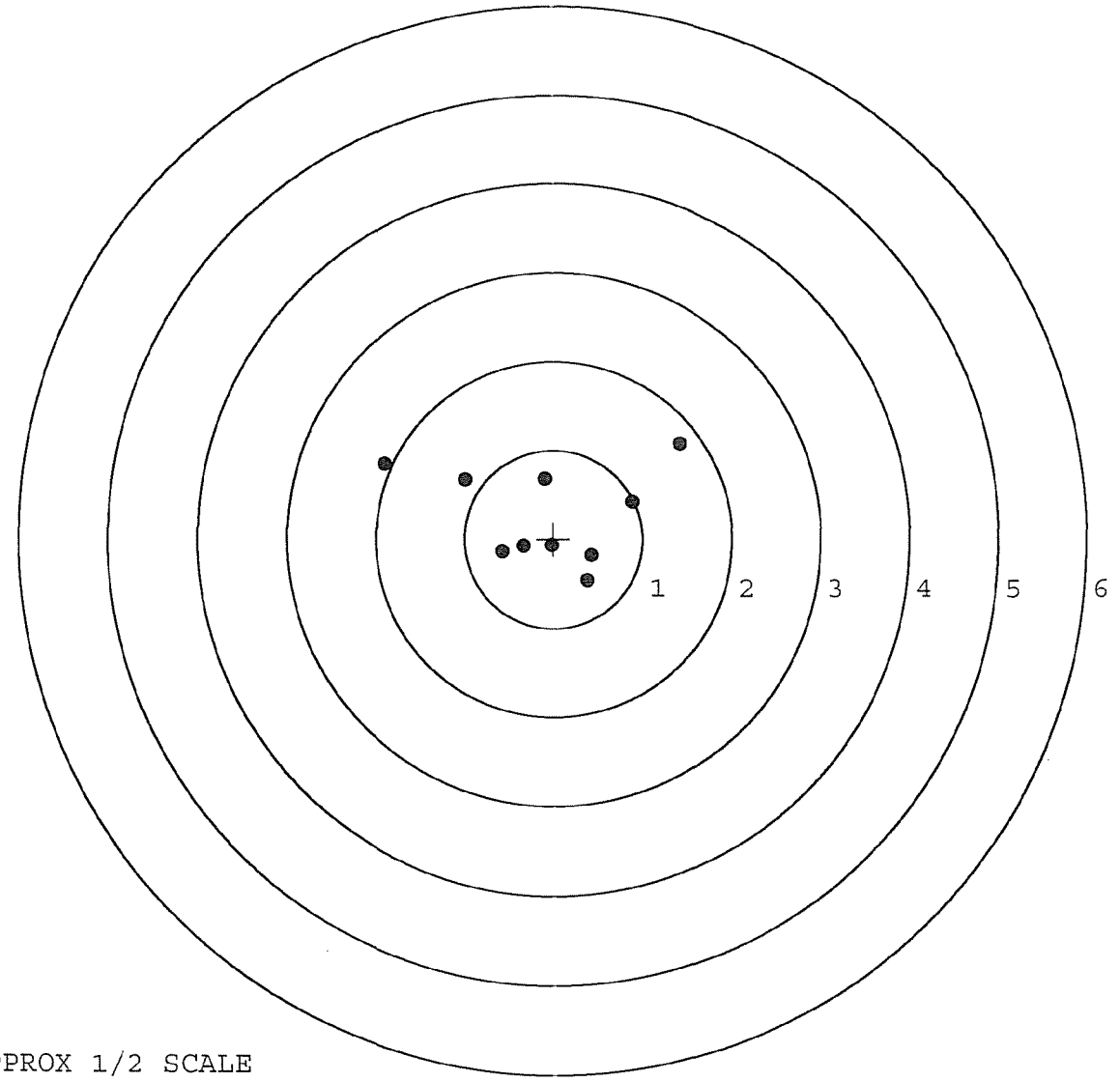



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695416.__0
TARGET NUMBER: 2
FILE DATE: 01/27/2009
FILE TIME: 06:54

| | |
|---|---|
| X CENTROID: | -0.082 |
| Y CENTROID: | 0.272 |
| POA TO CENTROID: | 0.285 |
| HORZ SPREAD: | 3.319 |
| VERT SPREAD: | 1.544 |
| GROUP SPREAD: | 3.326 |
| MIN RADIUS: | 0.354 |
| MAX RADIUS: | 1.912 |
| MEAN RADIUS: | 0.901 |
| # IN 1 IN DIAMETER: | 3 |
| # IN 2 IN DIAMETER: | 8 |
| # in 3 IN DIAMETER: | 8 |

| POINT# | X | Y |
|---|---|---|
| 1: | -1.904 | 0.852 |
| 2: | -0.999 | 0.670 |
| 3: | -0.103 | 0.680 |
| 4: | 1.415 | 1.071 |
| 5: | 0.893 | 0.419 |
| 6: | 0.427 | -0.190 |
| 7: | 0.383 | -0.473 |
| 8: | -0.021 | -0.076 |
| 9: | -0.335 | -0.084 |
| 10: | -0.579 | -0.144 |



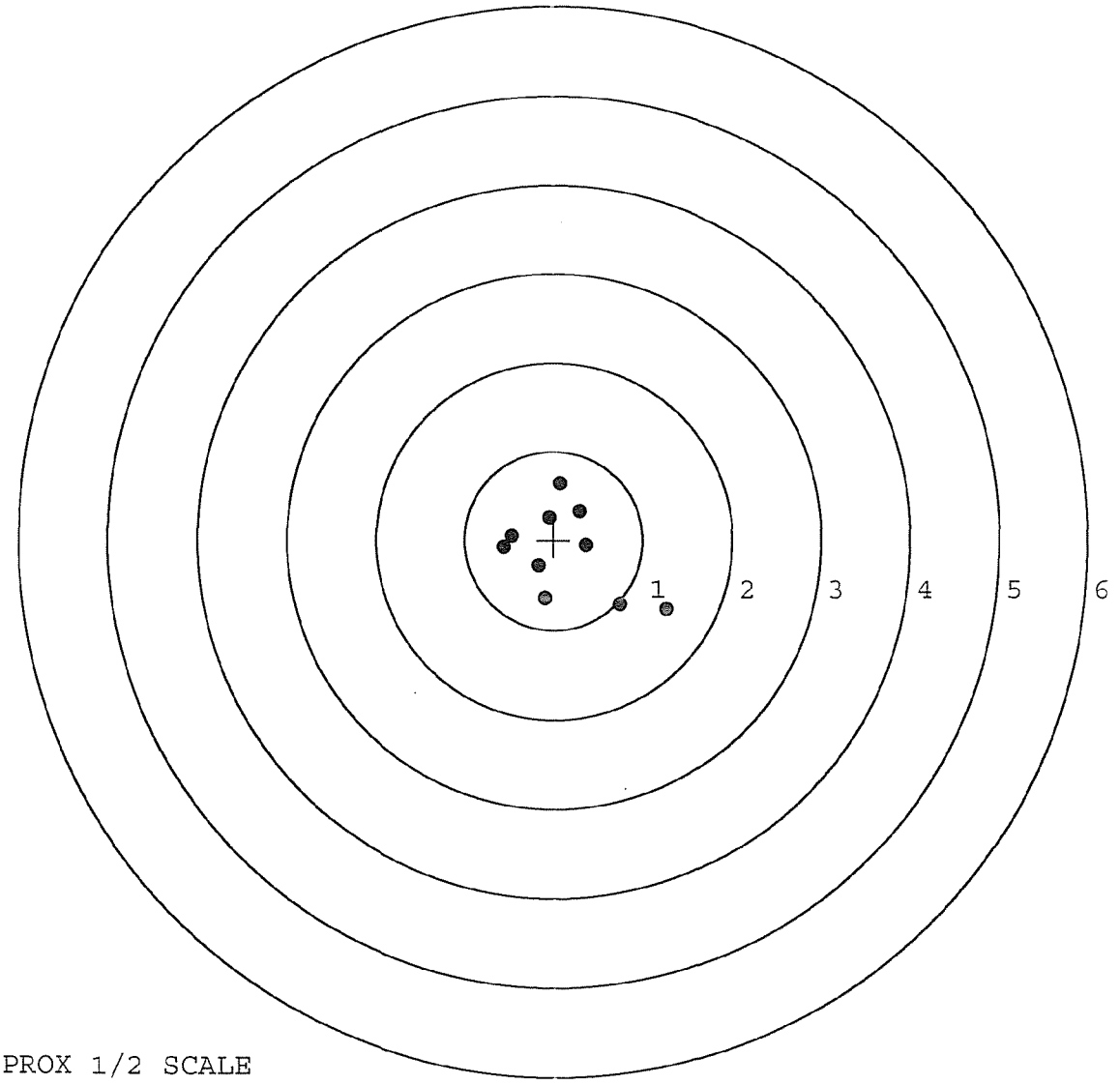

TARGET APPROX 1/2 SCALE

**BARBER - M24 0179562**

SERIAL NUMBER: G6695416.__0
TARGET NUMBER: 3
FILE DATE: 01/27/2009
FILE TIME: 06:54

| | |
|---|---|
| X CENTROID: | 0.137 |
| Y CENTROID: | -0.132 |
| POA TO CENTROID: | 0.190 |
| HORZ SPREAD: | 1.821 |
| VERT SPREAD: | 1.416 |
| GROUP SPREAD: | 1.949 |
| MIN RADIUS: | 0.236 |
| MAX RADIUS: | 1.294 |
| MEAN RADIUS: | 0.632 |
| # IN 1 IN DIAMETER: | 4 |
| # IN 2 IN DIAMETER: | 9 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 1.258 | -0.778 |
| 2: | 0.744 | -0.720 |
| 3: | -0.105 | -0.658 |
| 4: | -0.168 | -0.290 |
| 5: | -0.468 | 0.053 |
| 6: | -0.563 | -0.084 |
| 7: | 0.363 | -0.063 |
| 8: | -0.053 | 0.253 |
| 9: | 0.289 | 0.326 |
| 10: | 0.073 | 0.638 |



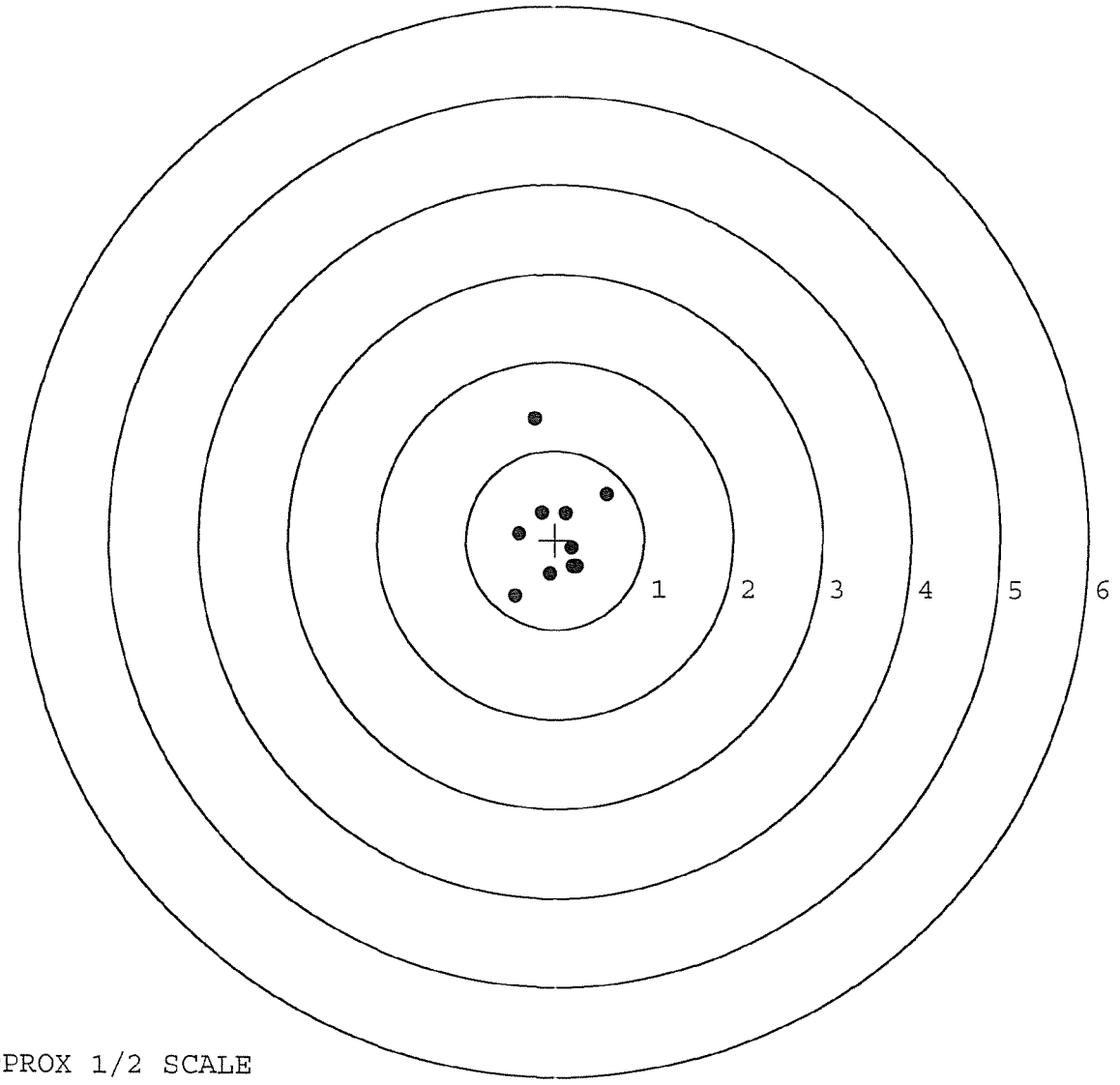

TARGET APPROX 1/2 SCALE

**BARBER - M24 0179563**

SERIAL NUMBER: G6695416.__0
TARGET NUMBER: 4
FILE DATE: 01/27/2009
FILE TIME: 06:54

| | |
|---|---|
| X CENTROID: | 0.006 |
| Y CENTROID: | 0.085 |
| POA TO CENTROID: | 0.086 |
| HORZ SPREAD: | 1.033 |
| VERT SPREAD: | 1.990 |
| GROUP SPREAD: | 2.003 |
| MIN RADIUS: | 0.248 |
| MAX RADIUS: | 1.293 |
| MEAN RADIUS: | 0.540 |
| # IN 1 IN DIAMETER: | 7 |
| # IN 2 IN DIAMETER: | 9 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | -0.221 | 1.358 |
| 2: | 0.580 | 0.508 |
| 3: | 0.121 | 0.305 |
| 4: | -0.410 | 0.072 |
| 5: | -0.147 | 0.309 |
| 6: | 0.185 | -0.089 |
| 7: | 0.206 | -0.295 |
| 8: | -0.055 | -0.383 |
| 9: | -0.453 | -0.632 |
| 10: | 0.253 | -0.299 |

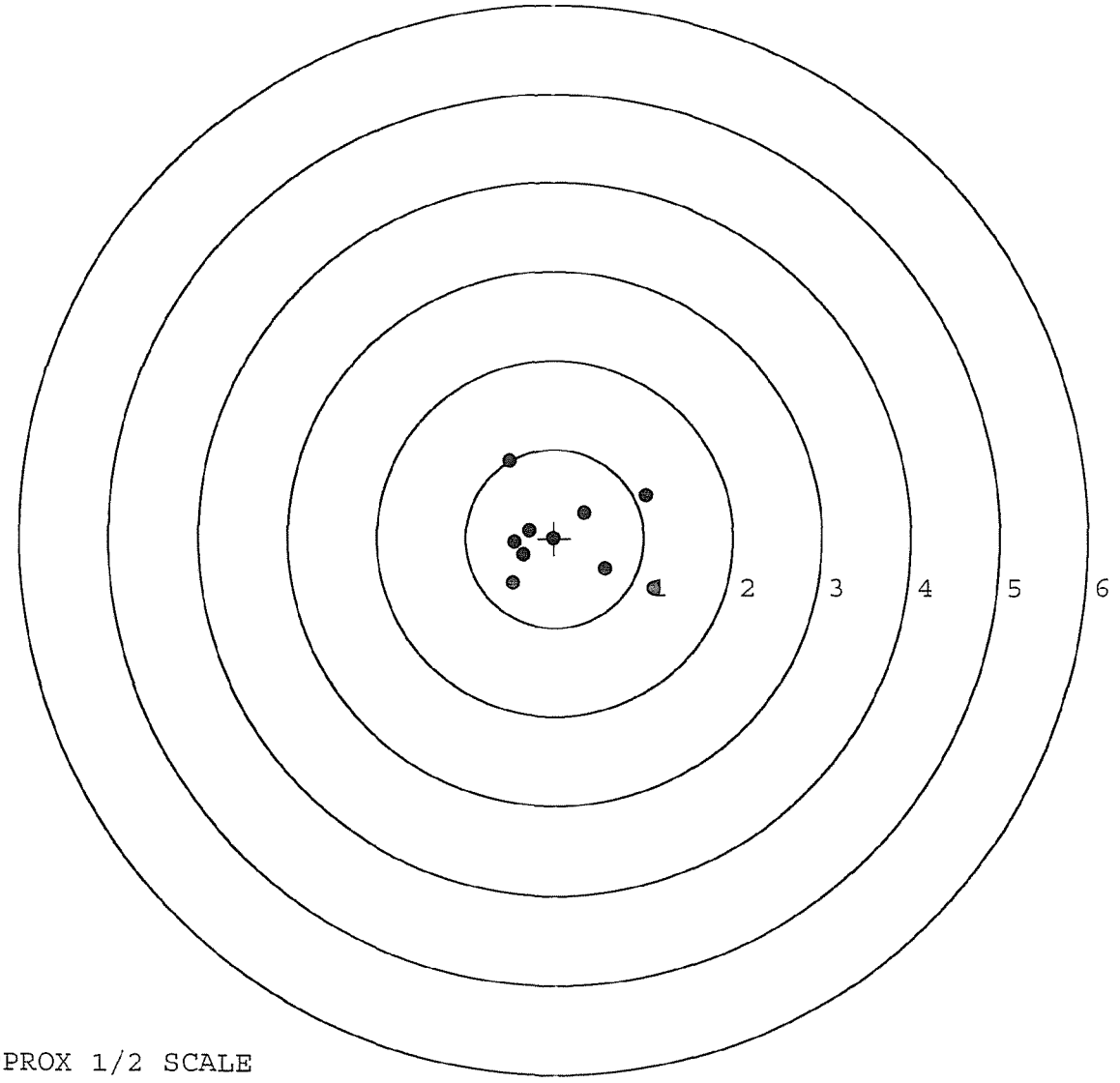



TARGET APPROX 1/2 SCALE

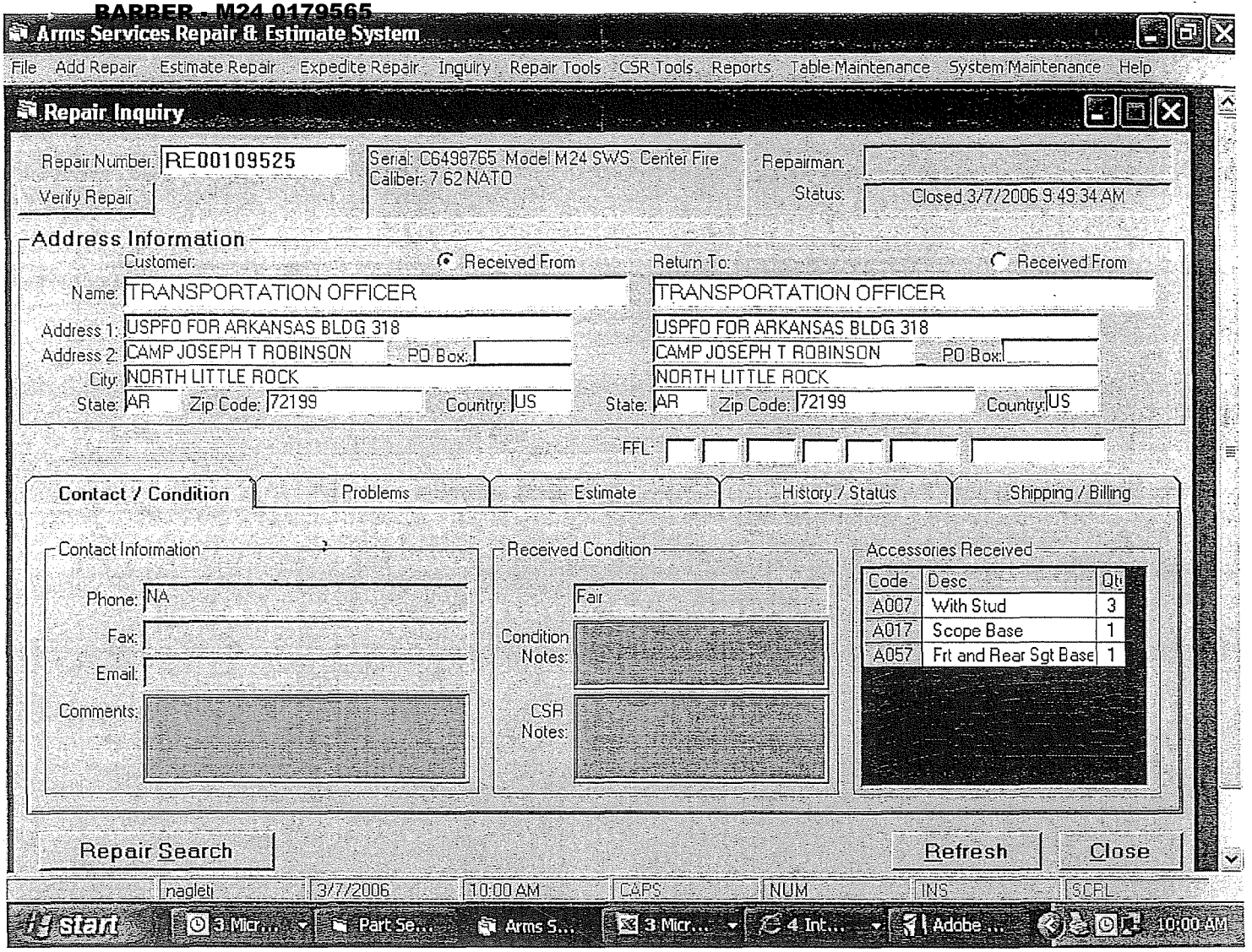
SERIAL NUMBER: G6695416.__0
TARGET NUMBER: 5
FILE DATE: 01/27/2009
FILE TIME: 06:54

| | |
|---|---|
| X CENTROID: | 0.097 |
| Y CENTROID: | 0.007 |
| POA TO CENTROID: | 0.097 |
| HORZ SPREAD: | 1.614 |
| VERT SPREAD: | 1.430 |
| GROUP SPREAD: | 2.156 |
| MIN RADIUS: | 0.113 |
| MAX RADIUS: | 1.164 |
| MEAN RADIUS: | 0.649 |
| # IN 1 IN DIAMETER: | 4 |
| # IN 2 IN DIAMETER: | 7 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | -0.503 | 0.867 |
| 2: | 1.021 | 0.482 |
| 3: | 1.111 | -0.563 |
| 4: | 0.569 | -0.342 |
| 5: | 0.331 | 0.282 |
| 6: | -0.016 | 0.004 |
| 7: | -0.469 | -0.501 |
| 8: | -0.282 | 0.081 |
| 9: | -0.447 | -0.048 |
| 10: | -0.350 | -0.191 |




TARGET APPROX 1/2 SCALE




G653 5417 (New)

Serial Number: C6498765

Model: M24 SWS

RE00109525

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6535417.__0
FILE DATE AND TIME: 03/27/2006 05:01

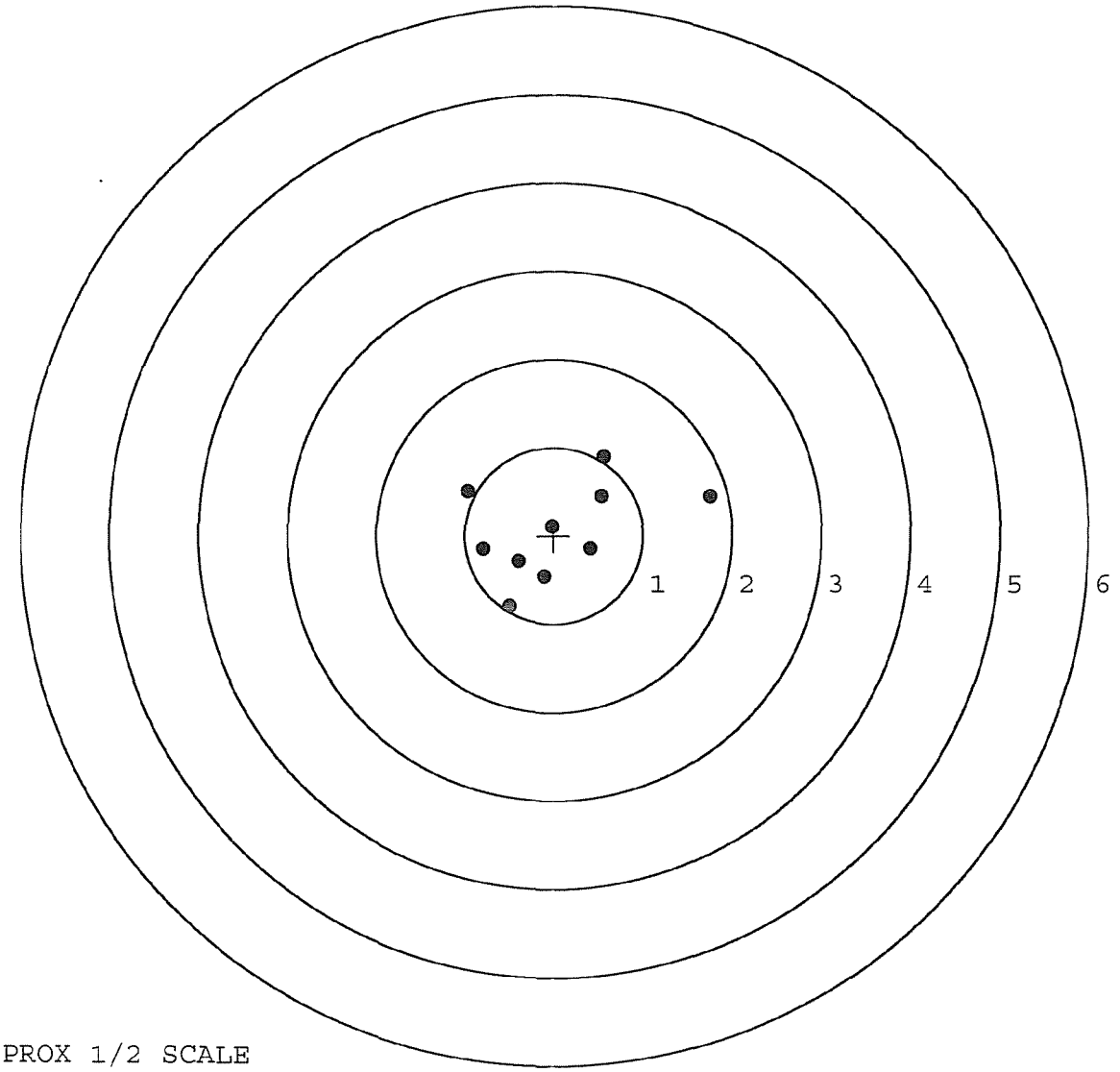
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

| | |
|---|---|
| The Average X Centroid of the Five Target Set: | -0.024 |
| The Average Y Centroid of the Five Target Set: | 0.048 |
| The Average Point of Impact of the Five Target Set: | 0.053 |
| The Average Mean Radius of the Five Target Set: | 0.698 |
| The Distance from POA to Centroid Target #1: | 0.071 |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.278 |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.180 |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.149 |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.087 |

SERIAL NUMBER: G6535417.__0
TARGET NUMBER: 1
FILE DATE: 03/27/2006
FILE TIME: 05:01

| | |
|---|---|
| X CENTROID: | 0.049 |
| Y CENTROID: | 0.051 |
| POA TO CENTROID: | 0.071 |
| HORZ SPREAD: | 2.720 |
| VERT SPREAD: | 1.711 |
| GROUP SPREAD: | 2.721 |
| MIN RADIUS: | 0.082 |
| MAX RADIUS: | 1.750 |
| MEAN RADIUS: | 0.798 |
| # IN 1 IN DIAMETER: | 2 |
| # IN 2 IN DIAMETER: | 7 |
| # in 3 IN DIAMETER: | 9 |

| POINT# | X | Y |
|---|---|---|
| 1: | 1.753 | 0.447 |
| 2: | 0.560 | 0.898 |
| 3: | 0.534 | 0.449 |
| 4: | 0.419 | -0.151 |
| 5: | -0.016 | 0.102 |
| 6: | -0.113 | -0.473 |
| 7: | -0.397 | -0.295 |
| 8: | -0.495 | -0.813 |
| 9: | -0.791 | -0.155 |
| 10: | -0.967 | 0.501 |

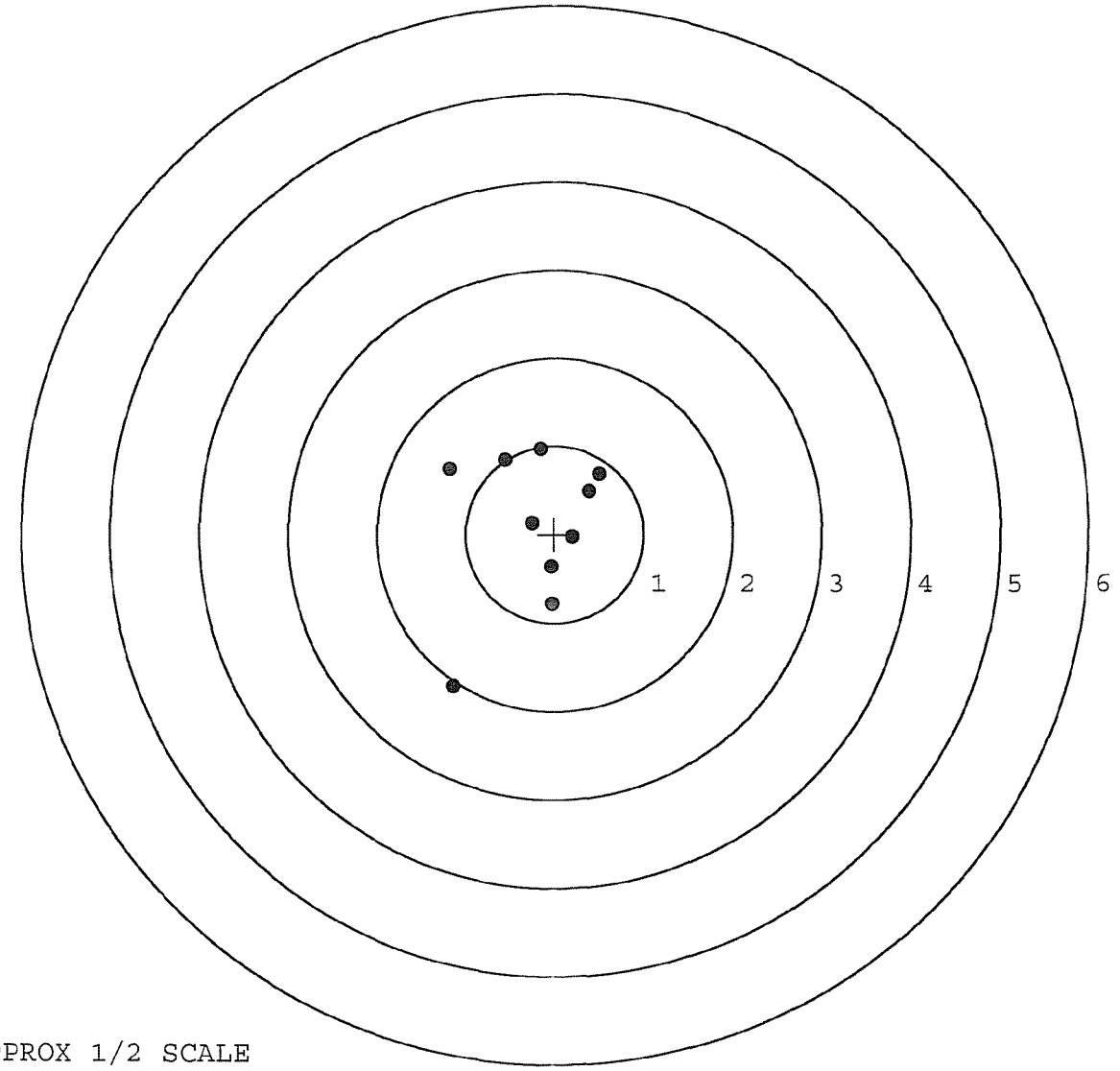



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6535417.__0
TARGET NUMBER: 2
FILE DATE: 03/27/2006
FILE TIME: 05:01

| | |
|---|---|
| X CENTROID: | -0.226 |
| Y CENTROID: | 0.094 |
| POA TO CENTROID: | 0.245 |
| HORZ SPREAD: | 1.688 |
| VERT SPREAD: | 2.685 |
| GROUP SPREAD: | 2.918 |
| MIN RADIUS: | 0.048 |
| MAX RADIUS: | 2.035 |
| MEAN RADIUS: | 0.845 |
| # IN 1 IN DIAMETER: | 3 |
| # IN 2 IN DIAMETER: | 8 |
| # in 3 IN DIAMETER: | 9 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.506 | 0.686 |
| 2: | 0.390 | 0.493 |
| 3: | -0.155 | 0.961 |
| 4: | -0.558 | 0.845 |
| 5: | -1.182 | 0.735 |
| 6: | -0.255 | 0.133 |
| 7: | 0.200 | -0.029 |
| 8: | -0.036 | -0.367 |
| 9: | -0.030 | -0.790 |
| 10: | -1.140 | -1.724 |



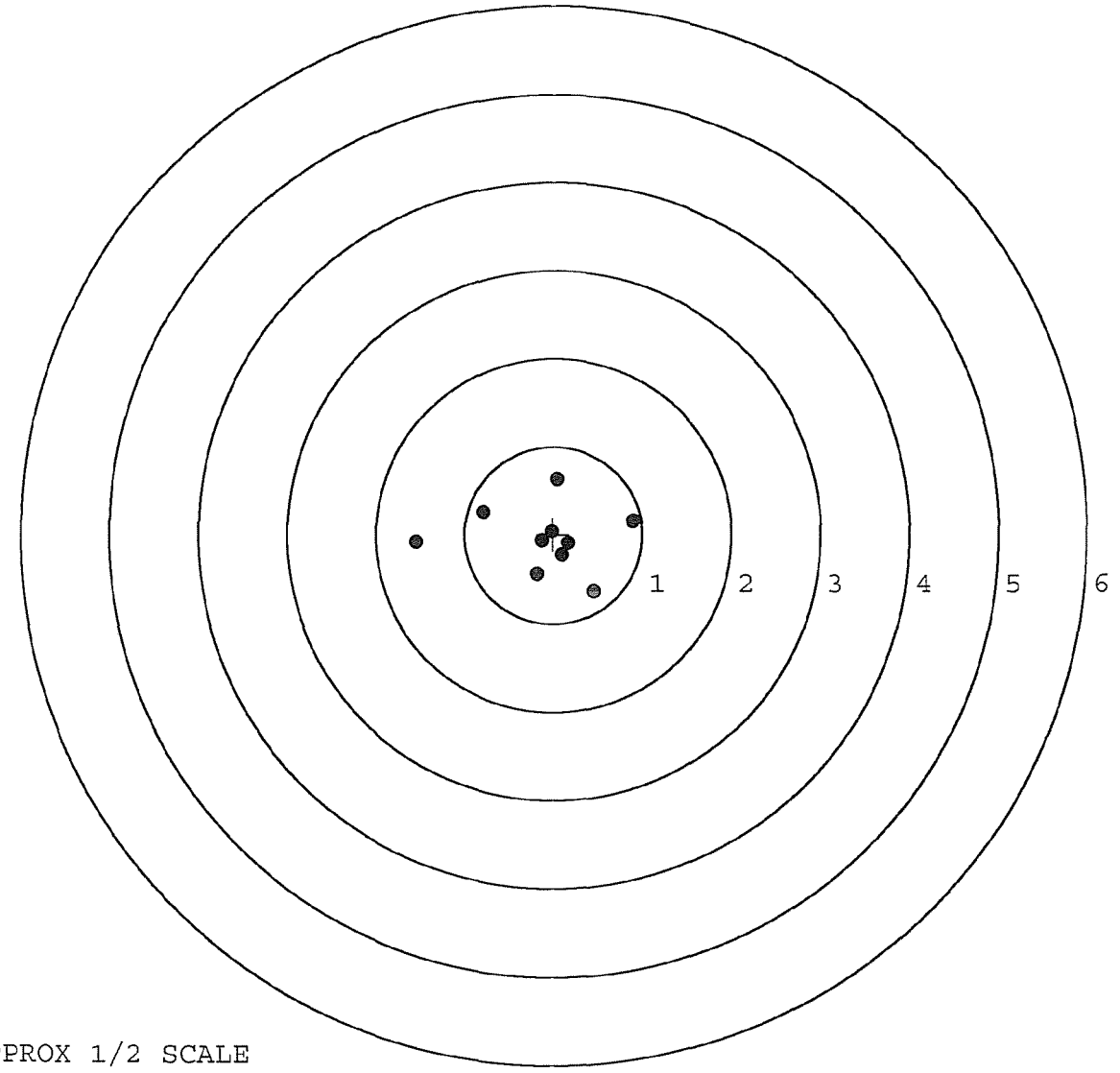

TARGET APPROX 1/2 SCALE

**BARBER - M24 0179569**

SERIAL NUMBER: G6535417.__0
TARGET NUMBER: 3
FILE DATE: 03/27/2006
FILE TIME: 05:01

| | |
|---|---|
| X CENTROID: | -0.099 |
| Y CENTROID: | -0.052 |
| POA TO CENTROID: | 0.112 |
| HORZ SPREAD: | 2.436 |
| VERT SPREAD: | 1.270 |
| GROUP SPREAD: | 2.449 |
| MIN RADIUS: | 0.040 |
| MAX RADIUS: | 1.442 |
| MEAN RADIUS: | 0.582 |
| # IN 1 IN DIAMETER: | 5 |
| # IN 2 IN DIAMETER: | 8 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.454 | -0.641 |
| 2: | 0.895 | 0.157 |
| 3: | 0.046 | 0.629 |
| 4: | -0.787 | 0.255 |
| 5: | -1.541 | -0.091 |
| 6: | -0.182 | -0.447 |
| 7: | 0.101 | -0.237 |
| 8: | 0.167 | -0.100 |
| 9: | -0.130 | -0.078 |
| 10: | -0.015 | 0.034 |

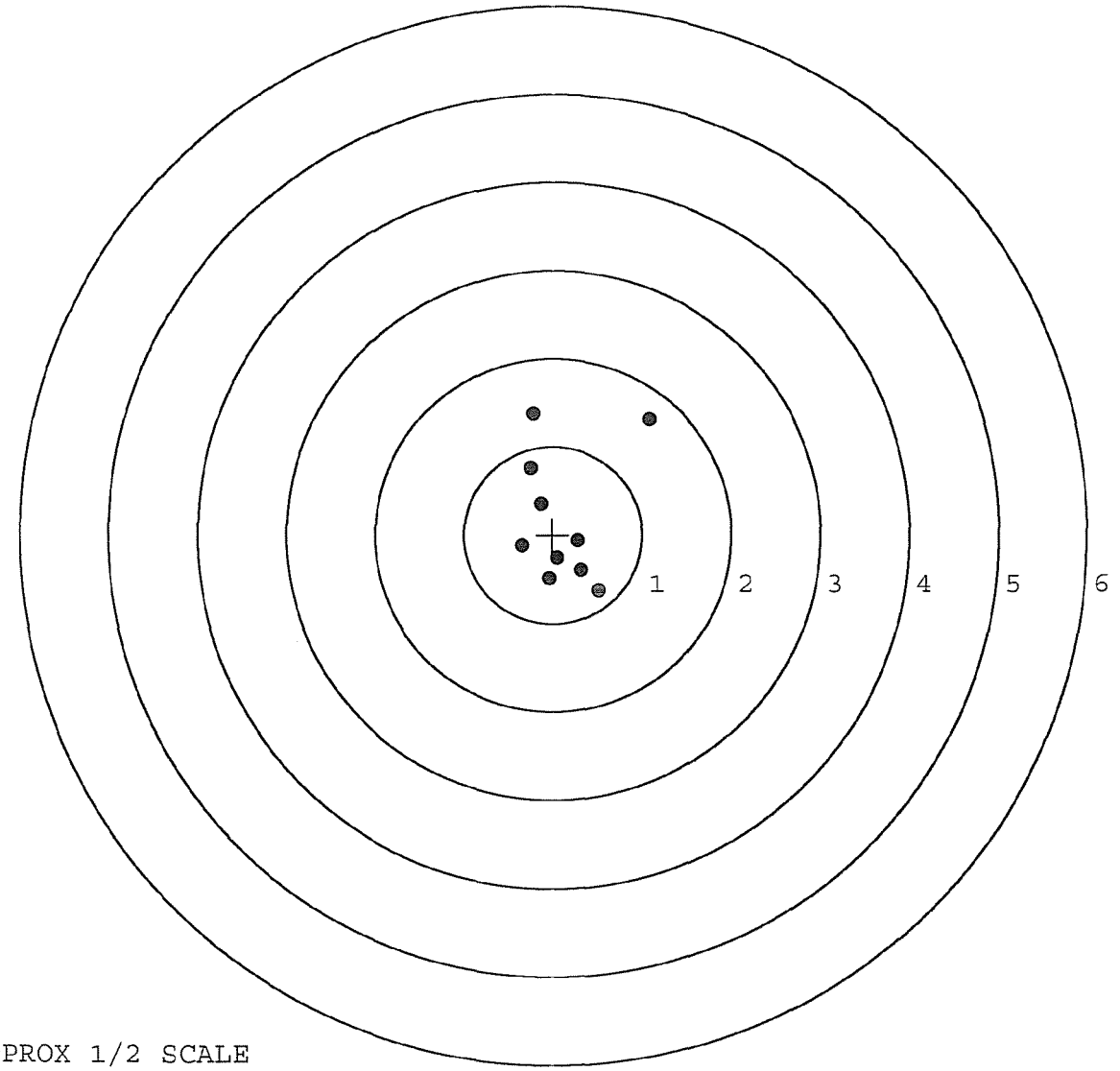



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6535417.__0
TARGET NUMBER: 4
FILE DATE: 03/27/2006
FILE TIME: 05:01

| | |
|---|---|
| X CENTROID: | 0.125 |
| Y CENTROID: | 0.180 |
| POA TO CENTROID: | 0.219 |
| HORZ SPREAD: | 1.417 |
| VERT SPREAD: | 1.994 |
| GROUP SPREAD: | 2.122 |
| MIN RADIUS: | 0.296 |
| MAX RADIUS: | 1.472 |
| MEAN RADIUS: | 0.722 |
| # IN 1 IN DIAMETER: | 3 |
| # IN 2 IN DIAMETER: | 8 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 1.075 | 1.304 |
| 2: | -0.222 | 1.367 |
| 3: | -0.251 | 0.759 |
| 4: | -0.138 | 0.351 |
| 5: | 0.285 | -0.069 |
| 6: | 0.516 | -0.627 |
| 7: | -0.342 | -0.124 |
| 8: | 0.051 | -0.266 |
| 9: | -0.045 | -0.498 |
| 10: | 0.317 | -0.401 |

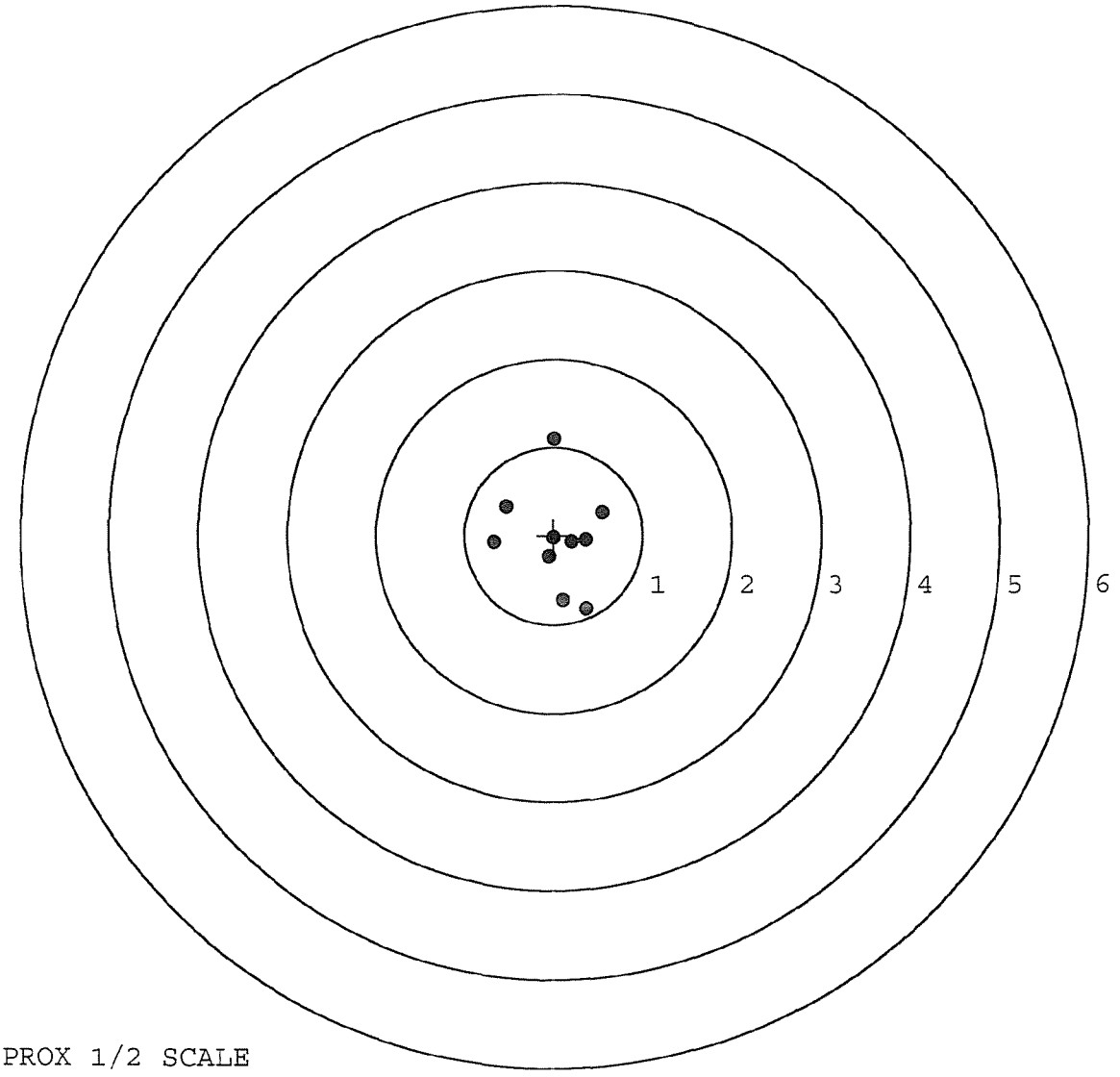



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6535417.__0
TARGET NUMBER: 5
FILE DATE: 03/27/2006
FILE TIME: 05:01

| | |
|---|---|
| X CENTROID: | 0.033 |
| Y CENTROID: | -0.035 |
| POA TO CENTROID: | 0.048 |
| HORZ SPREAD: | 1.214 |
| VERT SPREAD: | 1.925 |
| GROUP SPREAD: | 1.957 |
| MIN RADIUS: | 0.035 |
| MAX RADIUS: | 1.131 |
| MEAN RADIUS: | 0.544 |
| # IN 1 IN DIAMETER: | 4 |
| # IN 2 IN DIAMETER: | 9 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.013 | 1.096 |
| 2: | -0.536 | 0.333 |
| 3: | -0.671 | -0.078 |
| 4: | 0.543 | 0.263 |
| 5: | 0.366 | -0.829 |
| 6: | 0.106 | -0.732 |
| 7: | -0.059 | -0.243 |
| 8: | -0.001 | -0.027 |
| 9: | 0.364 | -0.055 |
| 10: | 0.206 | -0.078 |




TARGET APPROX 1/2 SCALE

# M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

| | | | |
|---|---|---|---|
| R & E NUMBER | 109525 | | |
| SERIAL NUMBER | C649876S | C653541 | (illegible) |
| LOG-IN DATE | 3-7-06 | | |
| | | | |
| INSPECT AND VERIFY: | | | |
| OPERATION # | OPERATION NAME | DATE | INITI |
| 550 | DIS-ASSEMBLE GUN | 3-9-06 | RTC |
| 560 A | RE-BARREL | 3-9-06 | RTC |
| B | DRILL AND TAP | 3-17-06 | TRW |
| 575 | ASSEMBLE | 3-9-06 | RTC |
| 600 | PROOF | 3-15-06 | RMJM |
| 605 | CHECK HEADSPACE | 3-15-06 | RMJM |
| 610 | DIS-ASSEMBLE GUN | 3-17-06 | RTC |
| 612 | MAGNAFLUX (APD) | 3-20-06 | APD |
| 615 | ROLLMARK CALIBER | 3-20-06 | CWJ |
| 618 | ROTO-BLAST | 3-20-06 | UB |
| 620 | APPLY COATINGS | 3/21/06 | RB |
| 625 A | FINAL ASSEMBLY | 3-23-06 | RTC |
| B | TRIGGER PULL TEST | N/A | AC |
| C | SAFETY "ON" FORCE | 3-27-06 | AC |
| D | SAFETY "OFF" FORCE | 3-27-06 | AC |
| E | FIRING PIN INDENT | 3-27-06 | AC |
| 640 | TARGET | 3-27-06 | TRW |
| 655 | FINAL INSPECT | 3-27-06 | AC |
| 660 | PACK | 4-6-06 | APA |
| | | | |
| | | | |
| | | | |
| | | | |
| | | SHIP DATE | |
| | | | |
| | QAR INSPECTION DATE | | |

MAGNA-FLUX INSPECTED MAR 2 8 2006

Arms Service 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: RE00068111

Verify Repair

Serial: C6498765 Model 700 Center Fire Caliber: 7 62 NATO M/24 SWS

Repairman:

Status: Closed 7/28/2003 11:17:27 AM

**Address Information**

| Customer: (Received From) | | Return To: (Received From) | |
|---|---|---|---|
| Name: | USPFO FOR ARK | | USPFO FOR ARK |
| Address 1: | CAMP J T ROBINSON | | CAMP J T ROBINSON |
| Address 2: | PO Box: | | PO Box: |
| City: | NORTH LITTLE ROCK | | NORTH LITTLE ROCK |
| State: | AR Zip Code: 72119 Country: US | State: | AR Zip Code: 72119 Country: US |

FFL:

Contact / Condition | Problems | Estimate | History / Status | Shipping / Billing

**Contact Information**

Phone:

Fax:

Email:

Comments:

**Received Condition**

Fair

Condition Notes:

CSR Notes:

**Accessories Received**

| Code | Desc | Qty |
|---|---|---|
| A007 | With Stud | 3 |
| A017 | Scope Base | 1 |
| C000 | FRONT AND REAR B | 1 |

Repair Search | Refresh | Close

nagleij | 7/28/2003 | 12:46 PM | CAPS | NUM | INS | SCRL

Start | Arms Se... | 12:46 PM

Serial Number: C6498765

Model: 700

RE00068111

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498765.__0
FILE DATE AND TIME: 08/20/2003 06:29

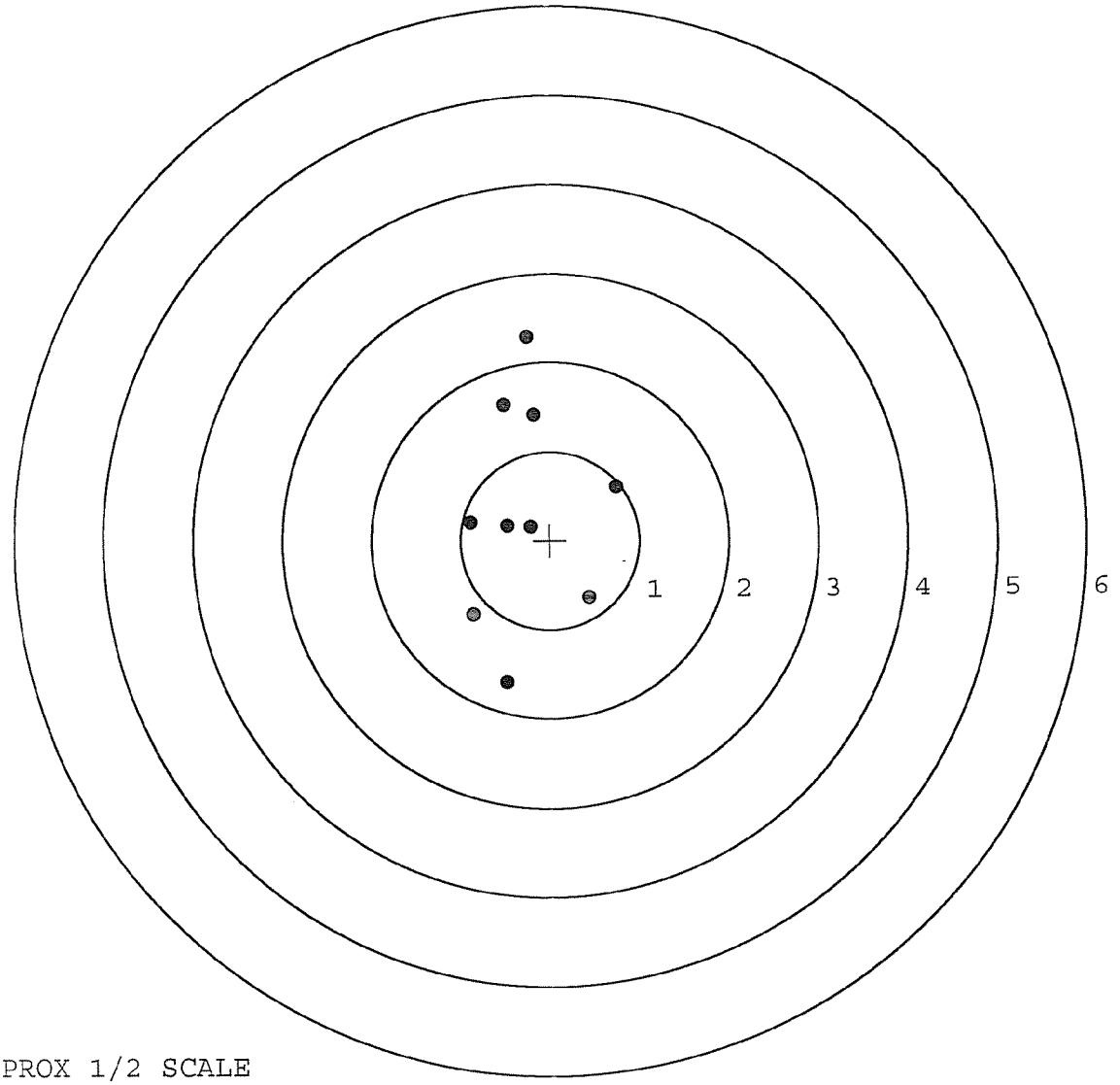
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

| | |
|---|---|
| The Average X Centroid of the Five Target Set: | -0.080 |
| The Average Y Centroid of the Five Target Set: | -0.002 |
| The Average Point of Impact of the Five Target Set: | 0.080 |
| The Average Mean Radius of the Five Target Set: | 1.159 |
| The Distance from POA to Centroid Target #1: | 0.425 |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.399 |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.546 |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.431 |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.590 |

SERIAL NUMBER: C6498765.__0
TARGET NUMBER: 1
FILE DATE: 08/20/2003
FILE TIME: 06:29

| | |
|---|---|
| X CENTROID: | -0.270 |
| Y CENTROID: | 0.328 |
| POA TO CENTROID: | 0.425 |
| HORZ SPREAD: | 1.638 |
| VERT SPREAD: | 3.881 |
| GROUP SPREAD: | 3.888 |
| MIN RADIUS: | 0.180 |
| MAX RADIUS: | 1.957 |
| MEAN RADIUS: | 1.083 |
| # IN 1 IN DIAMETER: | 2 |
| # IN 2 IN DIAMETER: | 3 |
| # in 3 IN DIAMETER: | 8 |

| POINT# | X | Y |
|---|---|---|
| 1: | -0.493 | -1.596 |
| 2: | -0.866 | -0.833 |
| 3: | 0.437 | -0.644 |
| 4: | 0.745 | 0.602 |
| 5: | -0.215 | 0.157 |
| 6: | -0.480 | 0.167 |
| 7: | -0.893 | 0.213 |
| 8: | -0.174 | 1.408 |
| 9: | -0.513 | 1.523 |
| 10: | -0.252 | 2.285 |

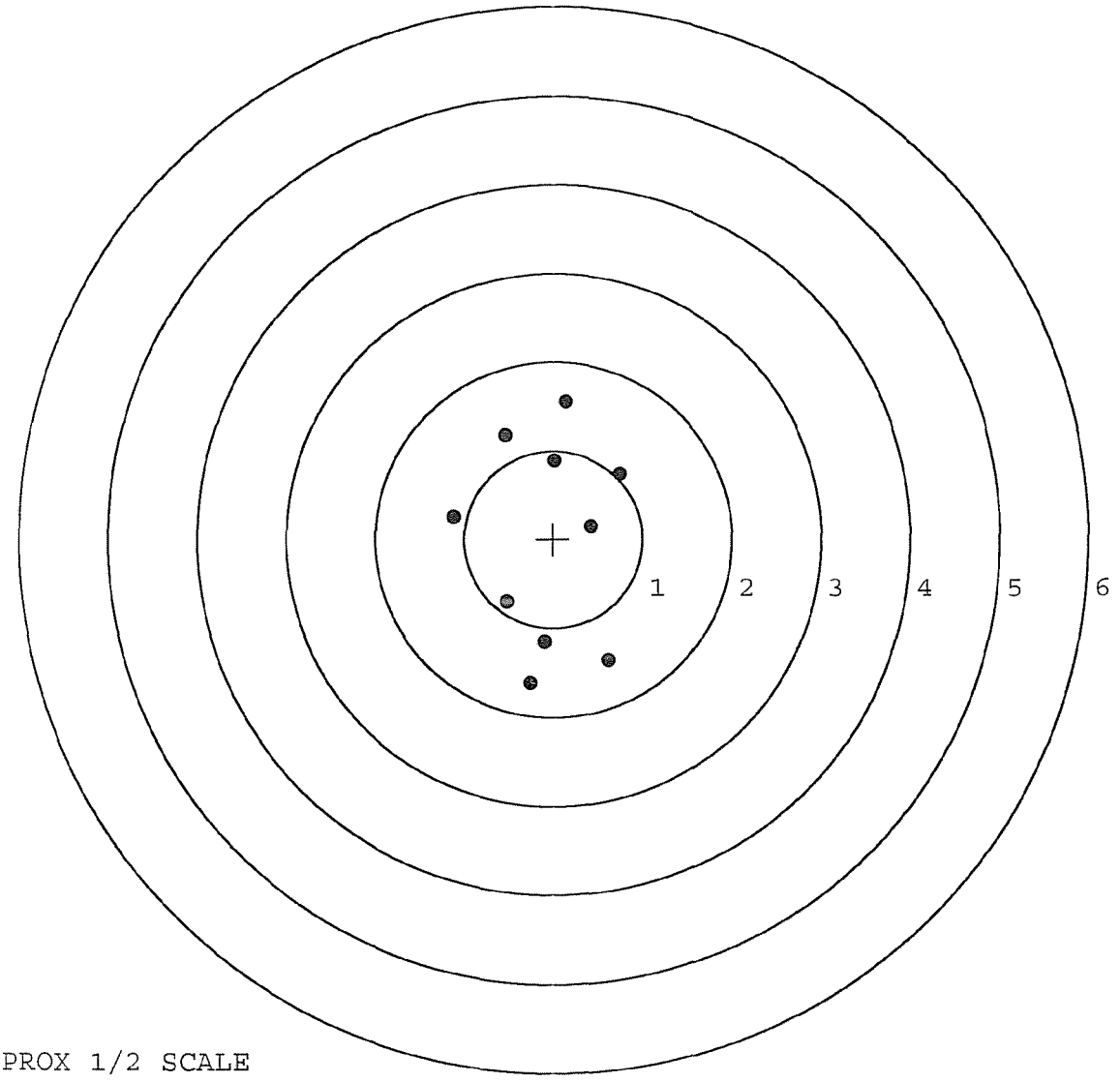



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498765.__0
TARGET NUMBER: 2
FILE DATE: 08/20/2003
FILE TIME: 06:29

| | |
|---|---|
| X CENTROID: | -0.058 |
| Y CENTROID: | -0.010 |
| POA TO CENTROID: | 0.059 |
| HORZ SPREAD: | 1.876 |
| VERT SPREAD: | 3.178 |
| GROUP SPREAD: | 3.203 |
| MIN RADIUS: | 0.509 |
| MAX RADIUS: | 1.628 |
| MEAN RADIUS: | 1.161 |
| # IN 1 IN DIAMETER: | 0 |
| # IN 2 IN DIAMETER: | 3 |
| # in 3 IN DIAMETER: | 7 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.624 | -1.362 |
| 2: | -0.096 | -1.165 |
| 3: | -0.257 | -1.626 |
| 4: | -0.525 | -0.710 |
| 5: | -1.125 | 0.249 |
| 6: | 0.425 | 0.149 |
| 7: | 0.751 | 0.745 |
| 8: | 0.018 | 0.893 |
| 9: | -0.537 | 1.177 |
| 10: | 0.140 | 1.552 |

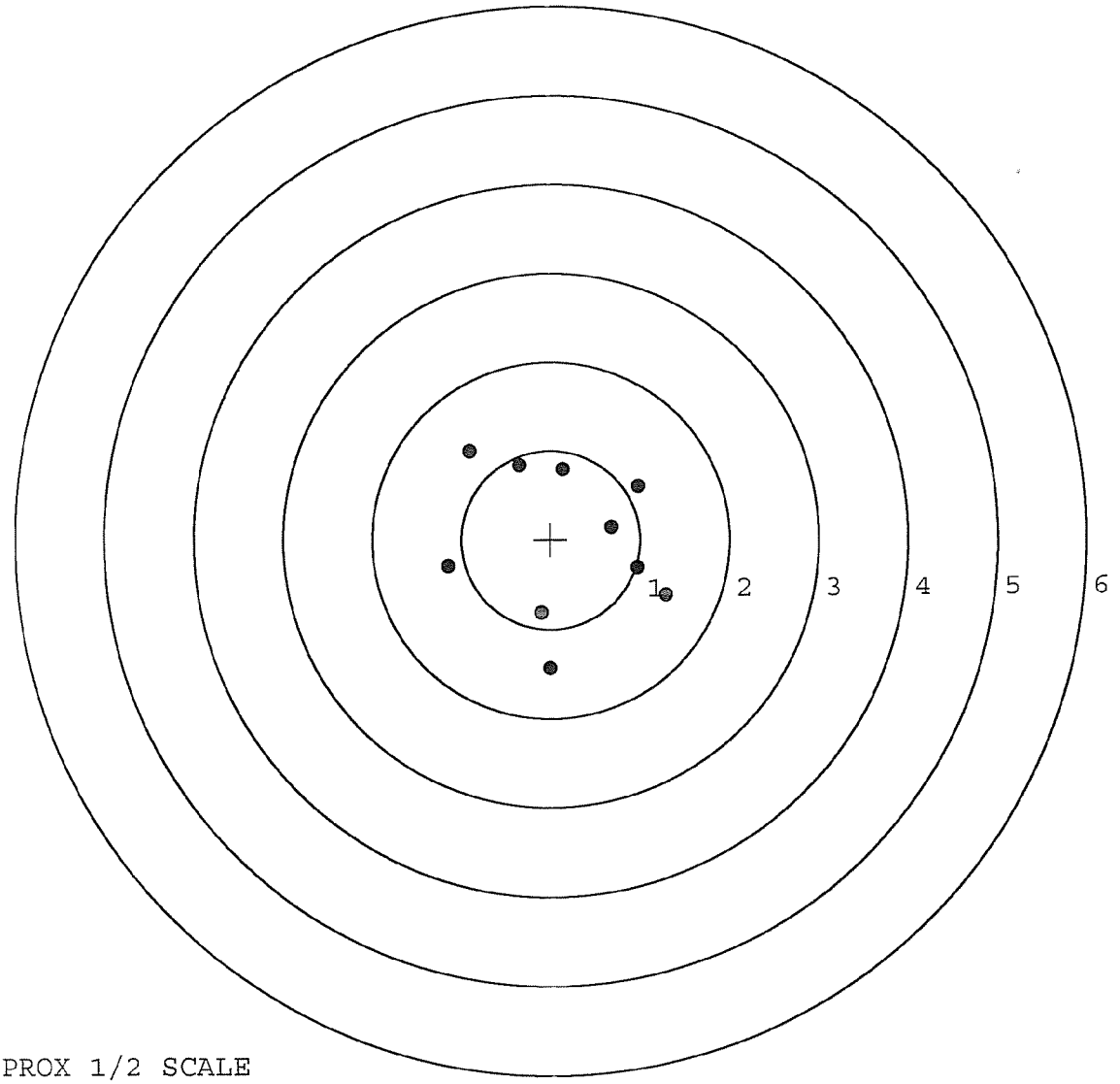



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498765.__0
TARGET NUMBER: 3
FILE DATE: 08/20/2003
FILE TIME: 06:29

| | |
|---|---|
| X CENTROID: | 0.155 |
| Y CENTROID: | -0.014 |
| POA TO CENTROID: | 0.156 |
| HORZ SPREAD: | 2.433 |
| VERT SPREAD: | 2.441 |
| GROUP SPREAD: | 2.726 |
| MIN RADIUS: | 0.549 |
| MAX RADIUS: | 1.464 |
| MEAN RADIUS: | 1.061 |
| # IN 1 IN DIAMETER: | 0 |
| # IN 2 IN DIAMETER: | 5 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | -0.019 | -1.443 |
| 2: | -0.107 | -0.821 |
| 3: | -1.147 | -0.294 |
| 4: | 1.286 | -0.628 |
| 5: | 0.967 | -0.325 |
| 6: | 0.682 | 0.138 |
| 7: | 0.983 | 0.600 |
| 8: | 0.146 | 0.792 |
| 9: | -0.340 | 0.839 |
| 10: | -0.902 | 0.998 |

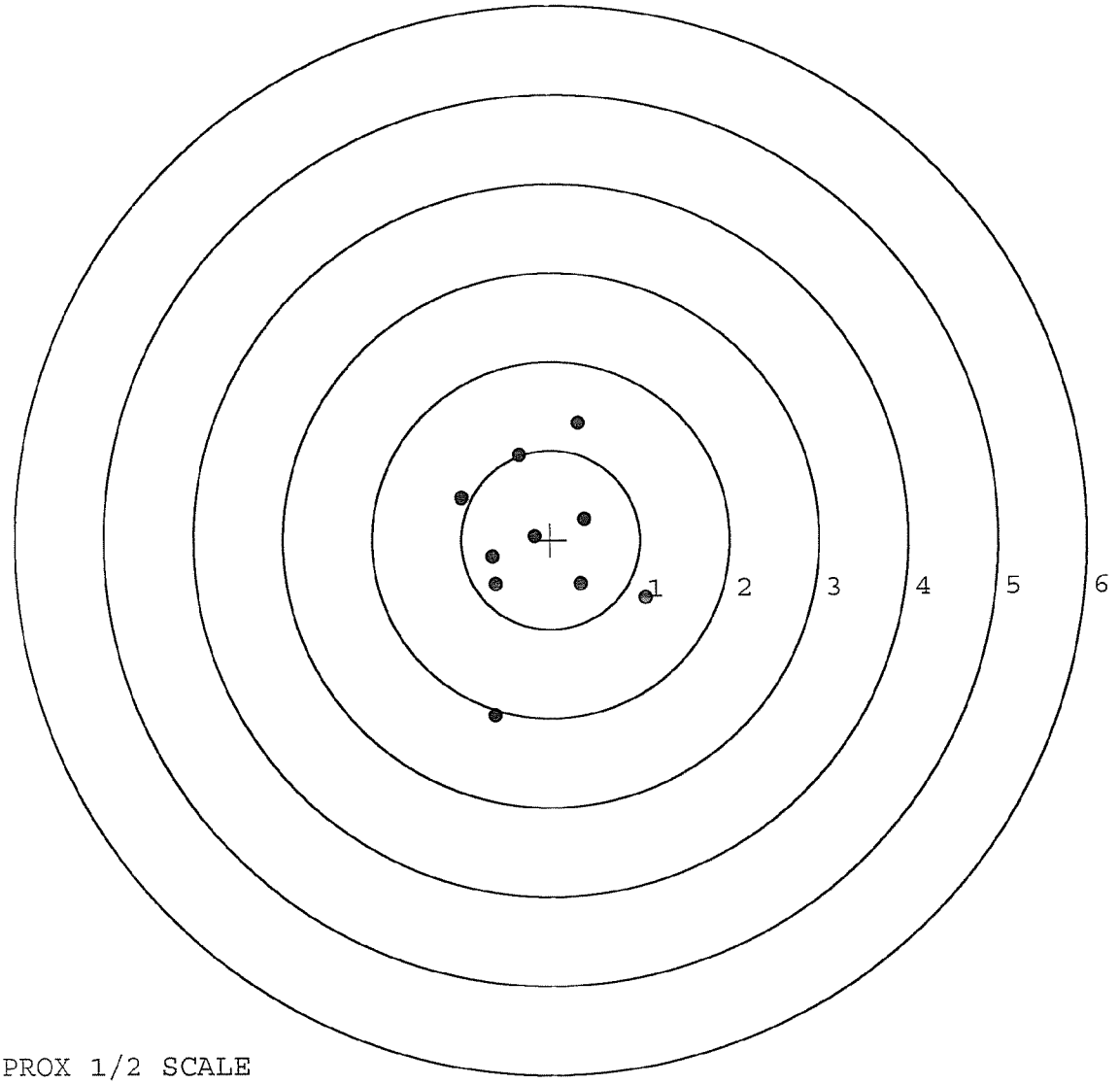



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498765.__0
TARGET NUMBER: 4
FILE DATE: 08/20/2003
FILE TIME: 06:29

| | |
|---|---|
| X CENTROID: | -0.133 |
| Y CENTROID: | -0.081 |
| POA TO CENTROID: | 0.156 |
| HORZ SPREAD: | 2.056 |
| VERT SPREAD: | 3.271 |
| GROUP SPREAD: | 3.406 |
| MIN RADIUS: | 0.130 |
| MAX RADIUS: | 1.954 |
| MEAN RADIUS: | 0.933 |
| # IN 1 IN DIAMETER: | 1 |
| # IN 2 IN DIAMETER: | 5 |
| # in 3 IN DIAMETER: | 9 |

| POINT# | X | Y |
|---|---|---|
| 1: | 1.059 | -0.657 |
| 2: | 0.335 | -0.494 |
| 3: | -0.633 | -1.970 |
| 4: | -0.617 | -0.496 |
| 5: | -0.652 | -0.189 |
| 6: | -0.180 | 0.041 |
| 7: | 0.381 | 0.231 |
| 8: | -0.344 | 0.948 |
| 9: | 0.316 | 1.301 |
| 10: | -0.997 | 0.478 |

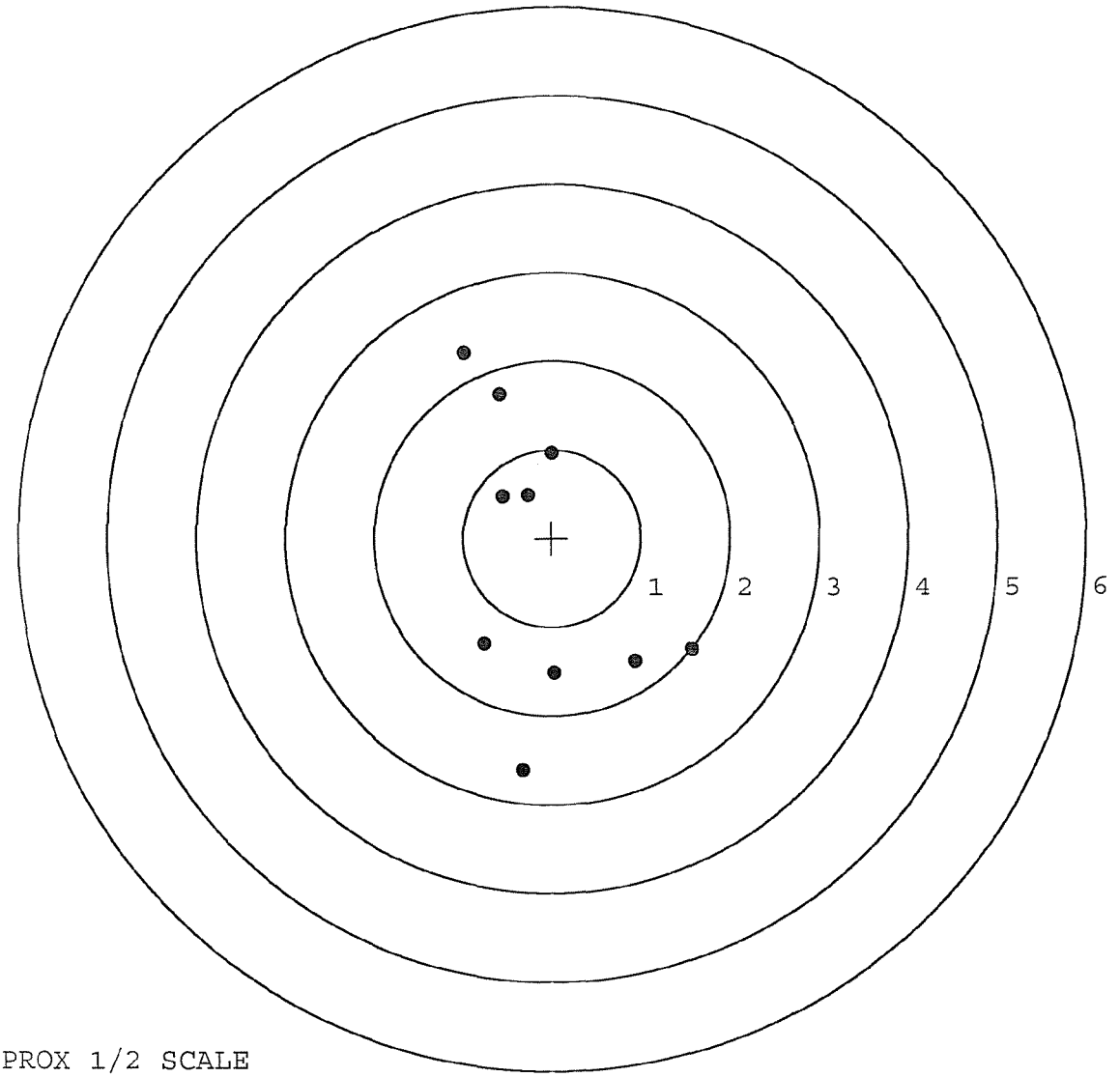



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498765.__0
TARGET NUMBER: 5
FILE DATE: 08/20/2003
FILE TIME: 06:29

| | |
|---|---|
| X CENTROID: | -0.093 |
| Y CENTROID: | -0.234 |
| POA TO CENTROID: | 0.252 |
| HORZ SPREAD: | 2.568 |
| VERT SPREAD: | 4.698 |
| GROUP SPREAD: | 4.745 |
| MIN RADIUS: | 0.746 |
| MAX RADIUS: | 2.484 |
| MEAN RADIUS: | 1.555 |
| # IN 1 IN DIAMETER: | 0 |
| # IN 2 IN DIAMETER: | 2 |
| # in 3 IN DIAMETER: | 5 |

| POINT# | X | Y |
|---|---|---|
| 1: | 1.577 | -1.260 |
| 2: | 0.936 | -1.389 |
| 3: | 0.032 | -1.521 |
| 4: | -0.754 | -1.188 |
| 5: | -0.322 | -2.616 |
| 6: | -0.558 | 0.475 |
| 7: | -0.269 | 0.491 |
| 8: | 0.005 | 0.960 |
| 9: | -0.587 | 1.625 |
| 10: | -0.991 | 2.082 |




TARGET APPROX 1/2 SCALE

FINAL INSPECTION CHECKLIST M-24 REPAIRS
CONTRACT #: DAAE-20-02-D-0127

SERIAL # C0498105 INSPECTED BY: RT

DATE REC'D: 7-28-03 DATE RET'D: 8-20-03

| ITEM | | ITEM | |
|---|---|---|---|
| BARREL ASSEMBLY | | STOCK ASSEMBLY | |
| | BARREL | ✓ | STOCK |
| ✓ | RECEIVER | ✓ | SLING AWIVEL STUDS |
| ✓ | FRONT SIGHT BASE | ✓ | ADJUSTABLE |
| ✓ | REAR SIGHT BASE | ✓ | BUTT PLATE |
| ✓ | SCREWS | ✓ | LOCK NUTS |
| ✓ | FINISH | ✓ | BARREL CLEARANCE |
| | | ✓ | COLOR / FINISH |
| SCOPE ASSEMBLY | | SYSTEMS CASE | |
| | SCOPE | | SCOPE CASE |
| | SCOPE RINGS | | IRON SIGHTS |
| | MOUNTING SCREWS | | DEPLOYMENT KIT |
| | MOUNTING BASE | | |
| | SCREWS | | |
| | FINISH | TRIGGER ASSEMBLY | |
| | CLARITY | ✓ | SAFETY OPERATION |
| | | ✓ | RE-SET TO FACTORY SPECS |
| | | COMMENTS: | |

# M-24 INSPECTION CHECKLIST

CONTRACT #: DAAE-20-02-D-0127

| | | | |
|---|---|---|---|
| R & E NUMBER | C0811 | | |
| | | | |
| SERIAL NUMBER | CC0498265 | | |
| | | | |
| LOG-IN DATE | 7-28-03 | | |
| | | | |
| | | | |
| INSPECT AND VERIFY: | | | |
| OPERATION # | OPERATION NAME | DATE | INITIAL |
| 550 | DIS-ASSEMBLE GUN | 8-4-03 | RTL |
| 560 A | RE-BARREL | 8-7-03 | RTL |
| B | DRILL AND TAP | 8-11-03 | TRW |
| 575 | ASSEMBLE | 8-11-03 | RTL |
| 600 | PROOF | 8-11-03 | AC |
| 605 | CHECK HEADSPACE | 8-11-03 | AC |
| 610 | DIS-ASSEMBLE GUN | 8-11-03 | RTL |
| 612 | MAGNAFLUX | | |
| 615 | ROLLMARK CALIBER | 8-12-03 | SB |
| 618 | ROTO-BLAST | 8-13-03 | JB |
| 620 | APPLY COATINGS | 8-14 | TA |
| 625 A | FINAL ASSEMBLY | 8-19-03 | RTL |
| B | TRIGGER PULL TEST | | |
| C | SAFETY "ON" FORCE | | |
| D | SAFETY "OFF" FORCE | | |
| E | FIRING PIN INDENT | | |
| 640 | TARGET | 8-20-03 | TRW |
| 655 | FINAL INSPECT | 8-20-03 | RTL |
| 660 | PACK | 8-21-03 | DA |
| | | | |
| | | | |
| | | | |
| | | | |
| | | SHIP DATE | |
| | | | |
| | QAR INSPECTION DATE | | |

MAGNA-FLUX INSPECTED PASS FAIL OPERATOR

BARBER - M24 0179582

# RECEIVING AND ESTIMATING REPORT

COMMENTS: M-24 SNIPER ATTN: FRED MARTIN Scope # 90-0304

ORDER R 94-18158

| INITIAL | CUSTOMER ORDER NO. |
|---|---|
| FDC | DAAA09-92-C-0834 |

| DATE RECEIVED | DATE OPENED | DATE CODE | SERIAL NUMBER | NEW SERIAL NUMBER | MODEL AND GRADE |
|---|---|---|---|---|---|
| 06/10/94 | 06/10/94 | | C6498765 | | 700 7-62 NATO |

ACCESSORIES: SOFT CASE L/SIGHTS

FROM:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

CUST NO:098397 CJO.DL

| ACCOUNT NUMBER | ACCOUNT NUMBER N/C | WRITE ☐ | PROM. DATE | ESTIMATED | VIA |
|---|---|---|---|---|---|
| | | | | | FRT |

GUN CONDITION
- ☐ NEW
- ☐ LIGHTLY WORN
- ☐ WORN
- ☐ VERY WORN
- ☐ UNREPAIRABLE
- ☐ MARRED

| | |
|---|---|
| REPAIR CHARGE | |
| EXCISE | |
| TAX | |
| INSURANCE | |
| UPS | |
| PARCEL POST | |
| TOTAL | |

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

MAIN FAULT

PARTS

- ✓ Barrel
- ✓ Stock
- ✓ Trigger Assy
- ✓ Firing pin Assy
- ✓ Front & Rear Sight Assy

COMMENTS

| REPAIRMAN | PROOF | CLEAN | TEST | TARGET | PATTERN |
|---|---|---|---|---|---|
| | | | | | |
| GALLERY TESTER | DATE | DATE | DATE 4/12/96 | DATE 4/12/96 | DATE |

OFFICE COPY

RD6925 REV. 1/94

# SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6498765
DATE 3-25-96
TESTER DA

| | 2.50# INITIAL | 2.50# AFTER 50 CYCLES | FINAL TEST & TO RESET 2.50# | | COMMENTS |
|---|---|---|---|---|---|
| PULL #1 | 2.64 | 2.76 | 2.76 | | MIN. SETTING, |
| PULL #2 | 2.43 | 2.72 | 2.89 | | NO AVG. OF 5 |
| PULL #3 | 2.32 | 2.60 | 2.69 | | READINGS ACCEPT- |
| PULL #4 | 2.43 | 2.69 | 2.66 | | ABLE LESS THAN 2# |
| PULL #5 | 2.24 | 2.68 | 2.68 | | |
| TOTAL | 12.06 | 13.45 | 13.68 | | |
| AVG. | 2.41 | 2.69 | 2.73 | | |

| | 3.00# INITIAL | 3.00# AFTER 20 CYCLES | | COMMENTS |
|---|---|---|---|---|
| PULL #1 | 3.17 | 3.05 | | |
| PULL #2 | 3.23 | 2.95 | | |
| PULL #3 | 3.12 | 3.21 | | |
| PULL #4 | 3.07 | 3.05 | | |
| PULL #5 | 3.17 | 3.16 | | |
| TOTAL | 15.76 | 15.42 | | |
| AVG. | 3.15 | 3.08 | | |

| | 4.00# INITIAL | 4.00# AFTER 20 CYCLES | MAX SETTING GREATER THAN 4# | RESET TO 4# FOR TARGET & ACCURACY |
|---|---|---|---|---|
| PULL #1 | 4.13 | 4.04 | | 4.21 |
| PULL #2 | 4.00 | 3.94 | | 4.15 |
| PULL #3 | 4.21 | 4.01 | | 4.16 |
| PULL #4 | 4.00 | 4.12 | | 4.14 |
| PULL #5 | 4.01 | 3.91 | | 4.10 |
| TOTAL | 20.35 | 20.02 | | 20.76 |
| AVG. | 4.07 | 4.00 | | 4.15 |

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498765
11 Feb 1900

CENTROIDAL DISTANCES

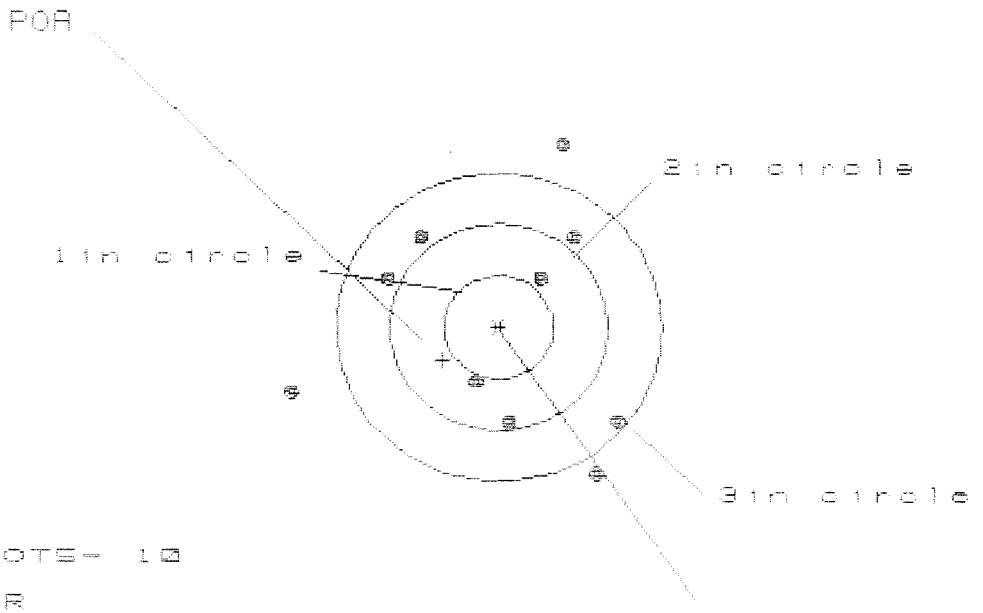
| | | | |
|---|---|---|---|
| 0 | TO | 1 | .604305 |
| 1 | TO | 2 | .151003 |
| 1 | TO | 3 | .336681 |
| 1 | TO | 4 | .337053 |
| 1 | TO | 5 | .291043 |


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .393
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .427
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .580326

THE AMR FOR THIS RIFLE IS: 1.011

11 Feb 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C64980765

CENTERFIRE PATTERNS # 1



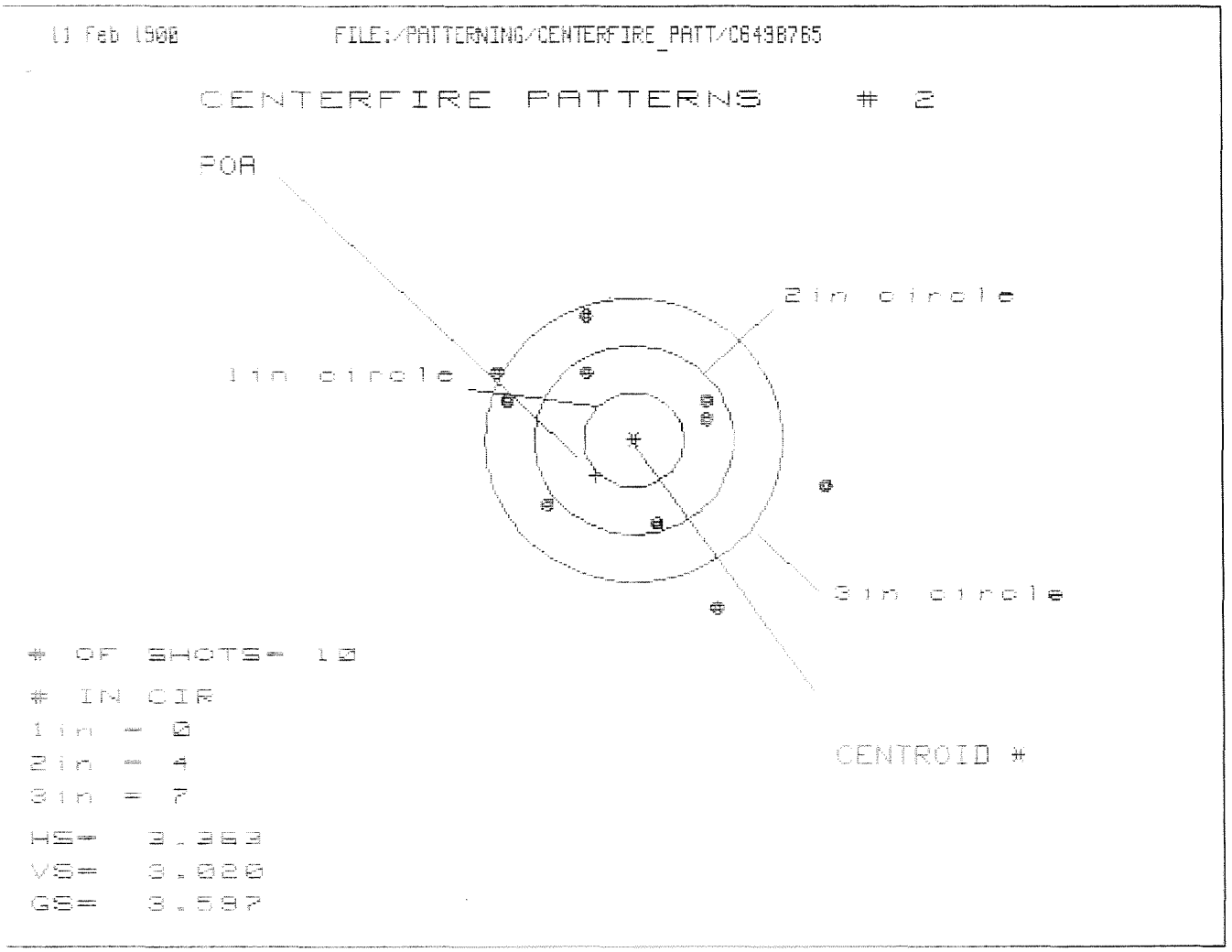

# OF SHOTS= 10

# IN CIR
1in = 0
2in = 3
3in = 7

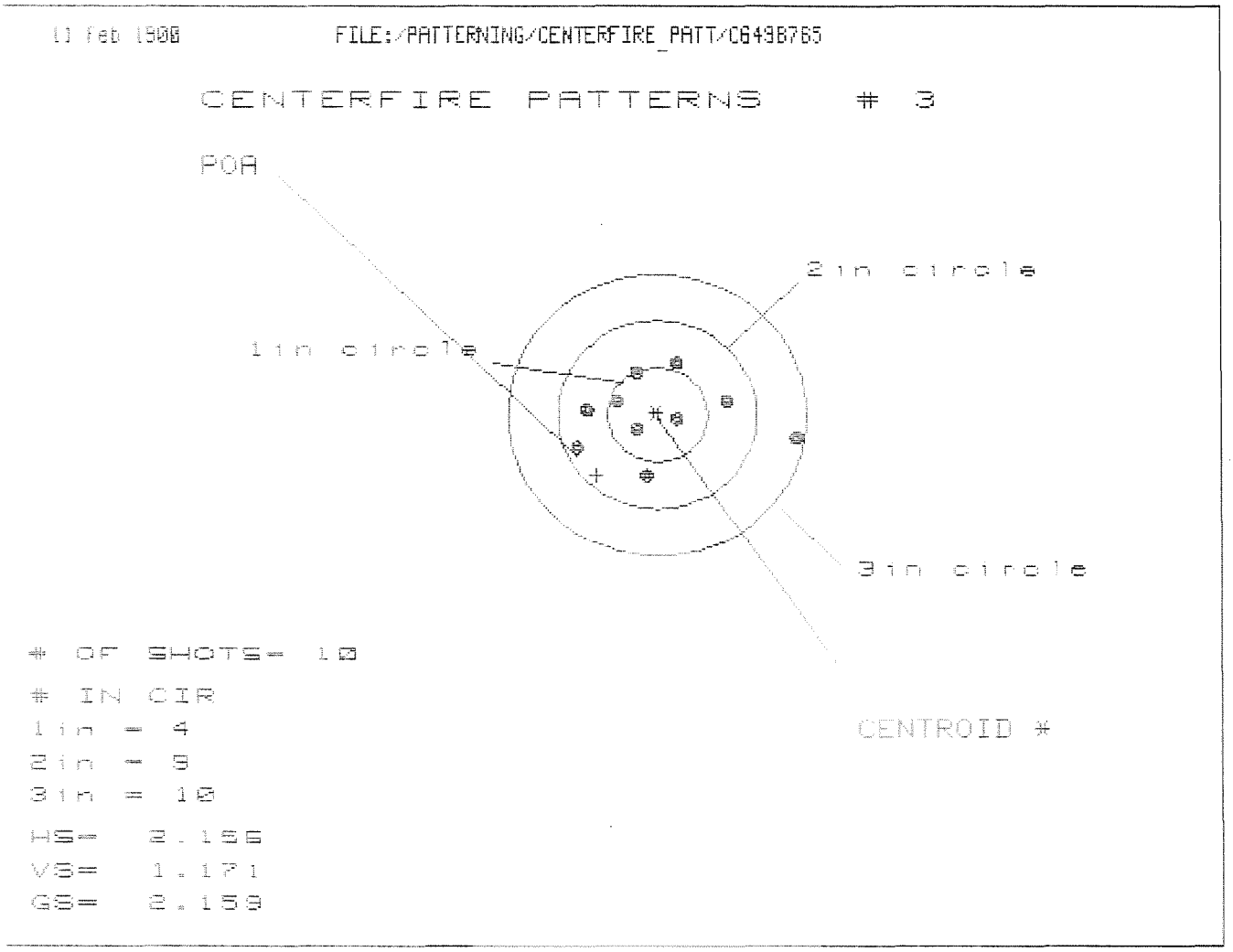
HS= 3.045
VS= 3.210
GS= 3.461

| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 1 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.117 | .902 | .949 |
| MINIMUM X | : | -1.928 | -1.233 | -1.186 |
| MAXIMUM Y | : | 1.769 | 1.701 | 1.061 |
| MINIMUM Y | : | -1.441 | -1.509 | -1.296 |
| CENTROID X | : | .512 | .727 | .680 |
| CENTROID Y | : | .321 | .389 | .176 |
| POA TO CENTROID in. | : | .605 | .824 | .702 |
| MIN RADIUS | : | .558 | .439 | .512 |
| MEAN RADIUS | : | 1.259 | 1.159 | 1.072 |
| MAX RADIUS | : | 2.022 | 1.742 | 1.498 |
| HORIZONTAL SPREAD | : | 3.045 | 2.135 | 2.135 |
| VERTICAL SPREAD | : | 3.210 | 3.210 | 2.357 |
| EXTREME SPREAD | : | 3.461 | 3.227 | 2.824 |

NUMBER IN ONE INCH CIRCLE = 0
NUMBER IN TWO INCH CIRCLE = 3
NUMBER IN THREE INCH CIRCLE = 7




| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 2 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.976 | 1.005 | 1.118 |
| MINIMUM X | : | -1.387 | -1.168 | -1.042 |
| MAXIMUM Y | : | 1.282 | 1.225 | 1.001 |
| MINIMUM Y | : | -1.738 | -1.795 | -1.185 |
| CENTROID X | : | .373 | .154 | .028 |
| CENTROID Y | : | .380 | .437 | .661 |
| POA TO CENTROID (in.) | : | .532 | .463 | .661 |
| MIN RADIUS | : | .795 | .735 | .481 |
| MEAN RADIUS | : | 1.286 | 1.182 | 1.031 |
| MAX RADIUS | : | 2.041 | 2.057 | 1.323 |
| HORIZONTAL SPREAD | : | 3.363 | 2.173 | 2.160 |
| VERTICAL SPREAD | : | 3.020 | 3.020 | 2.186 |
| EXTREME SPREAD | : | 3.597 | 3.313 | 2.331 |
| NUMBER IN ONE INCH CIRCLE | = | | 0 | |
| NUMBER IN TWO INCH CIRCLE | = | | 4 | |
| NUMBER IN THREE INCH CIRCLE | = | | 7 | |




| PATTERN # | : | 3 | | |
|---|---|---|---|---|
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.363 | .820 | .740 |
| MINIMUM X | : | -.793 | -.642 | -.624 |
| MAXIMUM Y | : | .572 | .547 | .501 |
| MINIMUM Y | : | -.599 | -.624 | -.670 |
| CENTROID X | : | .607 | .456 | .536 |
| CENTROID Y | : | .644 | .669 | .715 |
| POA TO CENTROID in. | : | .885 | .809 | .893 |
| MIN RADIUS | : | .169 | .175 | .241 |
| MEAN RADIUS | : | .617 | .511 | .483 |
| MAX RADIUS | : | 1.381 | .838 | .751 |
| HORIZONTAL SPREAD | : | 2.156 | 1.462 | 1.364 |
| VERTICAL SPREAD | : | 1.171 | 1.171 | 1.171 |
| EXTREME SPREAD | : | 2.159 | 1.558 | 1.377 |
| NUMBER IN ONE INCH CIRCLE | = | | 4 | |
| NUMBER IN TWO INCH CIRCLE | = | | 9 | |
| NUMBER IN THREE INCH CIRCLE | = | | 10 | |

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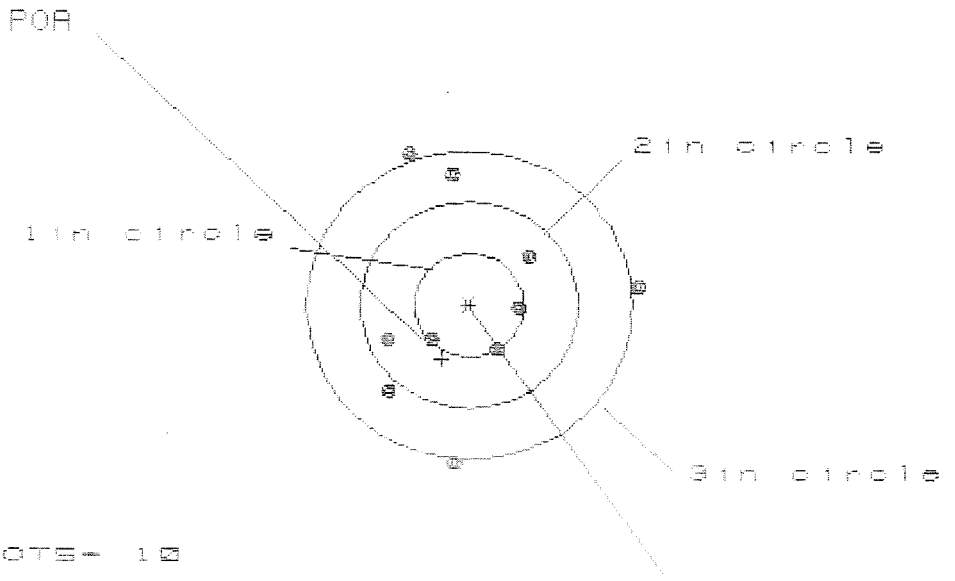
CENTERFIRE PATTERNS # 4




# OF SHOTS= 10

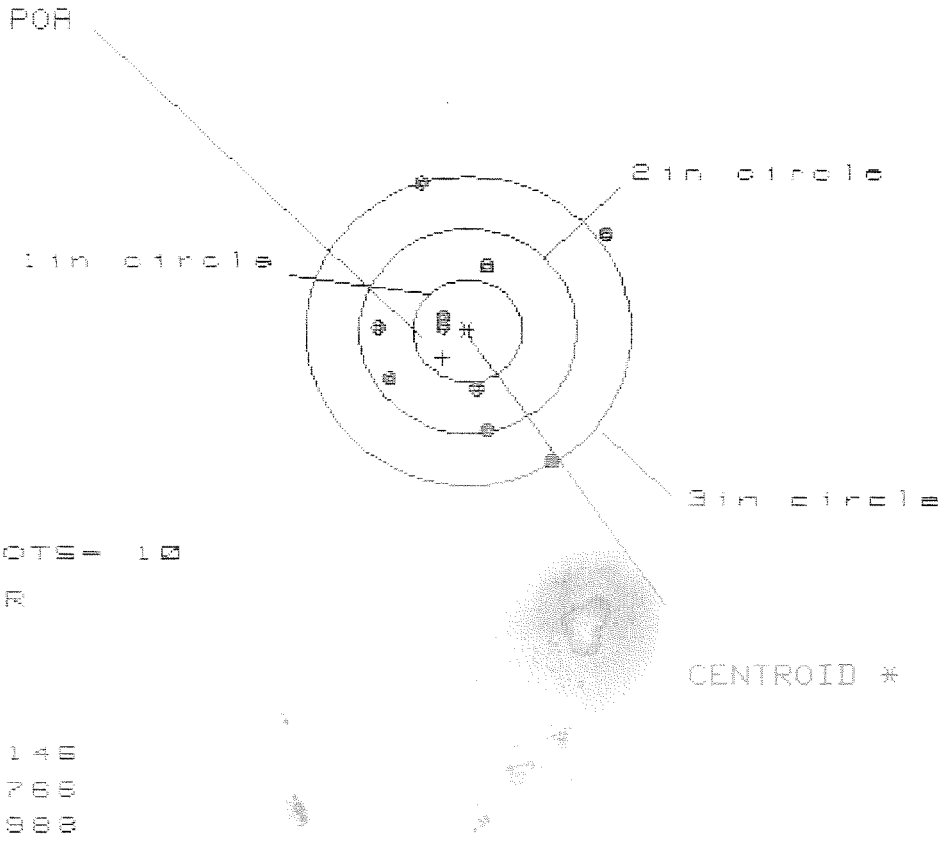
# IN CIR
1in = 2
2in = 5
3in = 8

HS= 2.268
VS= 2.969
GS= 2.990

| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 4 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.504 | 1.444 | .628 |
| MINIMUM X | : | -.764 | -.324 | -.511 |
| MAXIMUM Y | : | 1.481 | 1.415 | 1.458 |
| MINIMUM Y | : | -1.488 | -1.324 | -1.281 |
| CENTROID X | : | .246 | .306 | .126 |
| CENTROID Y | : | .528 | .364 | .321 |
| POA TO CENTROID in. | : | .583 | .475 | .345 |
| MIN RADIUS | : | .436 | .354 | .273 |
| MEAN RADIUS | : | .984 | .895 | .803 |
| MAX RADIUS | : | 1.576 | 1.484 | 1.458 |
| HORIZONTAL SPREAD | : | 2.268 | 2.268 | 1.272 |
| VERTICAL SPREAD | : | 2.969 | 2.739 | 2.739 |
| EXTREME SPREAD | : | 2.990 | 2.740 | 2.740 |
| NUMBER IN ONE INCH CIRCLE | = | | 2 | |
| NUMBER IN TWO INCH CIRCLE | = | | 5 | |
| NUMBER IN THREE INCH CIRCLE | = | | 8 | |

11 Feb 1900 FILE:/PATTERNING/CENTERFIRE_PATT/C6493B765

CENTERFIRE PATTERNS # 5




# OF SHOTS= 10
# IN CIR
1in = 2
2in = 6
3in = 8
HS= 2.146
VS= 2.765
GS= 2.988

PATTERN # : 5

| | | | |
|---|---|---|---|
| SHOTS (BEST OF) : | 10 | 9 | 8 |
| MAXIMUM X : | 1.306 | .877 | .846 |
| MINIMUM X : | -.840 | -.695 | -.726 |
| MAXIMUM Y : | 1.467 | 1.576 | .967 |
| MINIMUM Y : | -1.299 | -1.190 | -.993 |
| CENTROID X : | .227 | .082 | .113 |
| CENTROID Y : | .262 | .153 | -.044 |
| POA TO CENTROID in.: | .347 | .173 | .121 |
| MIN RADIUS : | .190 | .150 | .285 |
| MEAN RADIUS : | .911 | .800 | .708 |
| MAX RADIUS : | 1.635 | 1.596 | 1.304 |
| HORIZONTAL SPREAD : | 2.146 | 1.572 | 1.572 |
| VERTICAL SPREAD : | 2.766 | 2.766 | 1.960 |
| EXTREME SPREAD : | 2.988 | 2.988 | 2.042 |

NUMBER IN ONE INCH CIRCLE = 2
NUMBER IN TWO INCH CIRCLE = 6
NUMBER IN THREE INCH CIRCLE = 8

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498765

| . # | OP. NAME | READINGS | DATE | INITIAL |
|---|---|---|---|---|
| 5 & 0 | Assemble Action and Stock | | | |
| 0 | Proof | | | |
| 07 | Check Headspace | | | |
| 10 | Dis-assemble Gun | | | |
| 12 | Magnaflux Barrel Action | | | |
| | Magnaflux Bolt | | | |
| 615 | Rollmark Caliber | | | |
| 617 | Drill and Tap Sight Holes | | | |
| 618 | Polish Barrel | | | |
| 620 | Apply Coatings (Barrel Action) | | | |
| | Apply Coating (Bolt) | | | |
| 625 | Final Assembly<br>A) Clean inside of Bolt Assembly | | | |
| | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head | | | |
| | C) Inspect Ejector Hole for Chamfer | | | |
| | D) Oil Firing Pin Ass'y | | | |
| | E) Adjust Trigger Pull to Min Setting and Stake | | | |

| op. # | OP. NAME | READINGS | | | | | DATE | INIT |
|---|---|---|---|---|---|---|---|---|
| 625 cont. | F) Safety On Force | 6 | 6 | 6 | | | 5/14/96 | Ku |
| | G) Safety Off Force | 3.5 | 3.5 | 3.5 | | | 5/14/96 | Ku |
| | H) Trigger Pull Test & Retainability | | | | | | | |
| | I) Firing Pin Indent | .025 | .025 | .024 | | | 5/14/96 | Ku |
| | J) Assemble Stock | | | | | | | |
| | K) Assemble Swivel Studs | | | | | | | |
| | L) Attach Front and Rear Sight Assemblies | | | | | | | |
| | M) Iron Sight Alignment | | | | | | | |
| | N) Detach Front & Rear Sights & place in numbered container | | | | | | | |
| | O) Attach Scope to Rifle | | | | | | | |
| | P) Detach & Attach Scope 20 Times | | | | | | | |
| 640 | Gallery Target & Test | | | | | | | |
| | A) Time | | | | | | | |
| | B) Malfunctions | | | | | | | |
| | C) Pierced Primers | | | | | | | |
| | D) Optical Clearity of Scope | | | | | | | |
| 645 | Inspect for Live Ammo | | | | | | | |
| 655 | Final Inspection A) Headspace | | | | | | | |
| | B) Trigger Pull | 2.81 | 2.94 | 2.94 | 2.32 | 2.37 | 5/14/96 | Ku |
| | C) Function | | | | | | | |
| 660 | Pack | | | | | | | |