C6611470

MODEL 700™ M24

Model SWS ™

Action

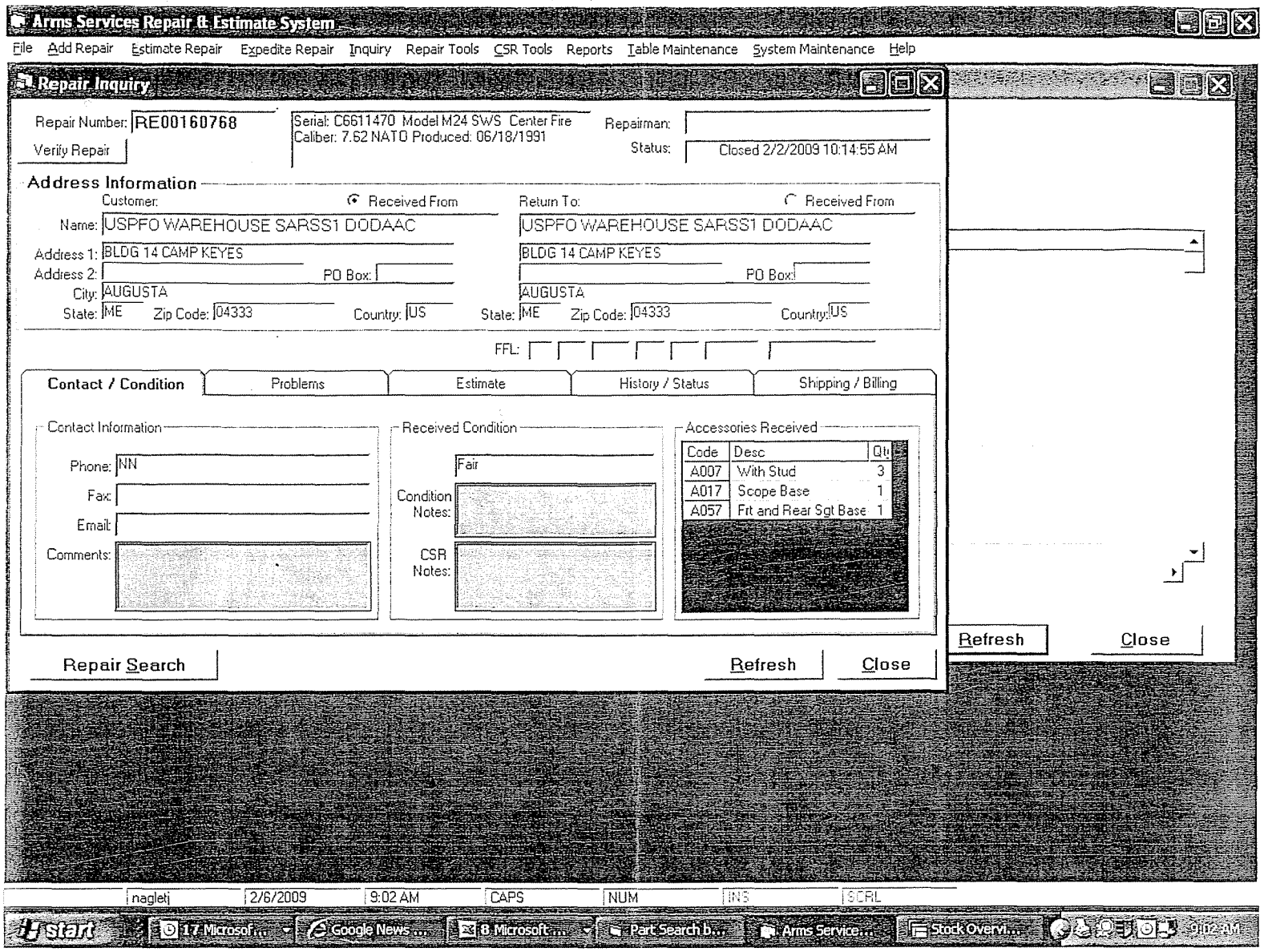
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington




Flash Sup
B: Pad

Serial Number: C6611470

Model: M24 SWS

RE00160768

INSPECTION CHECKLIST - REPAIRS
CONTRACT #: W52H09-07-C-0207
ISSUED 10/1/2007

R & E NUMBER 1600208
SERIAL NUMBER C1661142 0
LOG-IN DATE 2-2-09

| OPERATION # | OPERATION NAME | | DATE | INITIAL |
|---|---|---|---|---|
| 500 | DIS-ASSEMBLE GUN | | 2-12-09 | RTZ |
| 505 | RE-BARREL | | 2-13-09 | RTZ |
| 420 | ASSEMBLE | | 2-13-09 | RTZ |
| 440 | PROOF | | 2-18-09 | RTZ |
| 460 | CHECK HEADSPACE | | 2-13-09 | RTZ |
| 470 | DIS-ASSEMBLE GUN | | 2-13-09 | RTZ |
| 480 | MAGNAFLUX | MAGNA - FLUX PER T.O. OPERATOR KH | 2/13/09 | KH |
| 510 | DRILL AND TAP | | 2-13-09 | TC |
| 500 | ROLLMARK CALIBER | | 2/13/09 | RT |
| 520 | GOFF BLAST BBL / REC | | 2/16/09 | DC |
| 530 & 540 | APPLY COATINGS | | 2/18 | |
| 560 | FINAL ASSEMBLY | | 2-19-09 | RTZ |
| 640 | FUNCTION TEST AND | (PASS) FAIL | 2-19-09 | TC |
| 650 | TARGET | (PASS) FAIL | 2-19-09 | TC |
| | MALFUNCTION | CORRECTION N/A | | |
| | MALFUNCTION | CORRECTION | | |
| | MALFUNCTION | CORRECTION | | |
| | MALFUNCTION | CORRECTION | 2-19-09 | WW |
| 670 | FINAL INSPECTION | | 2-20-09 | RD |
| | A) HEADSPACE | (PASS) FAIL | 2-20-09 | RD |
| | B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS) | 2.85 2.87 2.85 2.83 2.87 2-19-09 | | WW |
| 680 | F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX) | 3# 3# 3# 2-20-09 | | RD |
| | G) SAFETY OFF FORCE (2 LBS MIN) | 6# 6# 6# 2-20-09 | | RD |
| | I) FIRING PIN INDENT (.020) | .022 .022 .022 2-20-09 | | RD |
| 690 | PACK | | 2/23/09 | FM |

F006 REV 1/2009

# 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 |
|---|---|
| B Co 3/172nd INF (Mtn) | 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 |
|---|---|---|---|---|---|---|
| C6611470 / 1005-01-240-2136 | | | | | 15-Jan-09 | T I |

| 7. APPLICABLE REFERENCE | | | |
|---|---|---|---|
| TM NUMBER | TM DATE | TM NUMBER | TM DATE |
| TM 9-1005-306-10 | June 1989 | | |

COLUMN a -- Enter TM item number.

COLUMN b -- Enter the applicable condition status symbol.

COLUMN c.-- Enter the applicable condition status symbol.

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 authorty or as presribed locally, until corrective action can be ccomplished

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

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

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

FOR AIRCRAFT -Status symbols will e recorded in red

*ALL INSEPCTIONS 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 |
|---|---|---|---|---|
| | | | | |

| TM ITEM NO. a | STATUS b | DEFICIENCIES AND SHORTCOMINGS c | CORRECTIVE ACTION d | INITIAL WHEN CORRECTED e |
|---|---|---|---|---|
| 2 | X | MAGAZINE WELL UNSERVICABLE | | |
| | | | | |
| | | JO# 973-08 | | |
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DA FORM 2404, APR 1979 Replaces edition of 1 Jan 64, which will be used until exhausted APD PE v1.10

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611470.__0
FILE DATE AND TIME: 02/19/2009 10:45

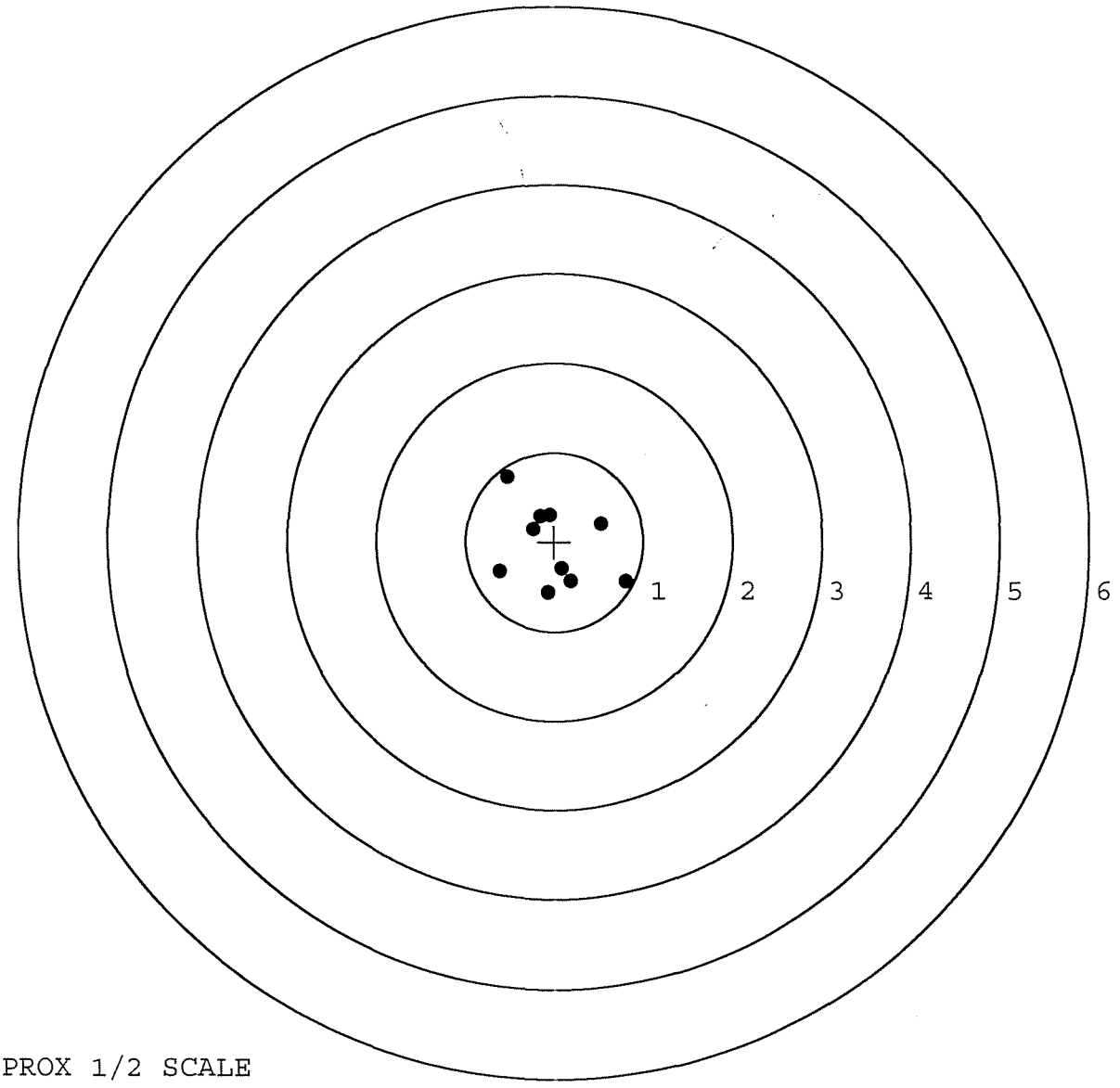
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

| | |
|---|---|
| The Average X Centroid of the Five Target Set: | 0.027 |
| The Average Y Centroid of the Five Target Set: | 0.023 |
| The Average Point of Impact of the Five Target Set: | 0.035 |
| The Average Mean Radius of the Five Target Set: | 0.522 |
| The Distance from POA to Centroid Target #1: | 0.045 |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.326 |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.197 |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.066 |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.109 |

SERIAL NUMBER: C6611470.__0
TARGET NUMBER: 1
FILE DATE: 02/19/2009
FILE TIME: 10:45

| | |
|---|---|
| X CENTROID: | -0.007 |
| Y CENTROID: | -0.044 |
| POA TO CENTROID: | 0.045 |
| HORZ SPREAD: | 1.421 |
| VERT SPREAD: | 1.289 |
| GROUP SPREAD: | 1.776 |
| MIN RADIUS: | 0.276 |
| MAX RADIUS: | 0.928 |
| MEAN RADIUS: | 0.537 |
| # IN 1 IN DIAMETER: | 5 |
| # IN 2 IN DIAMETER: | 10 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.802 | -0.453 |
| 2: | 0.529 | 0.205 |
| 3: | -0.619 | -0.338 |
| 4: | -0.530 | 0.722 |
| 5: | -0.075 | -0.567 |
| 6: | 0.183 | -0.445 |
| 7: | 0.086 | -0.304 |
| 8: | -0.052 | 0.304 |
| 9: | -0.154 | 0.290 |
| 10: | -0.240 | 0.142 |

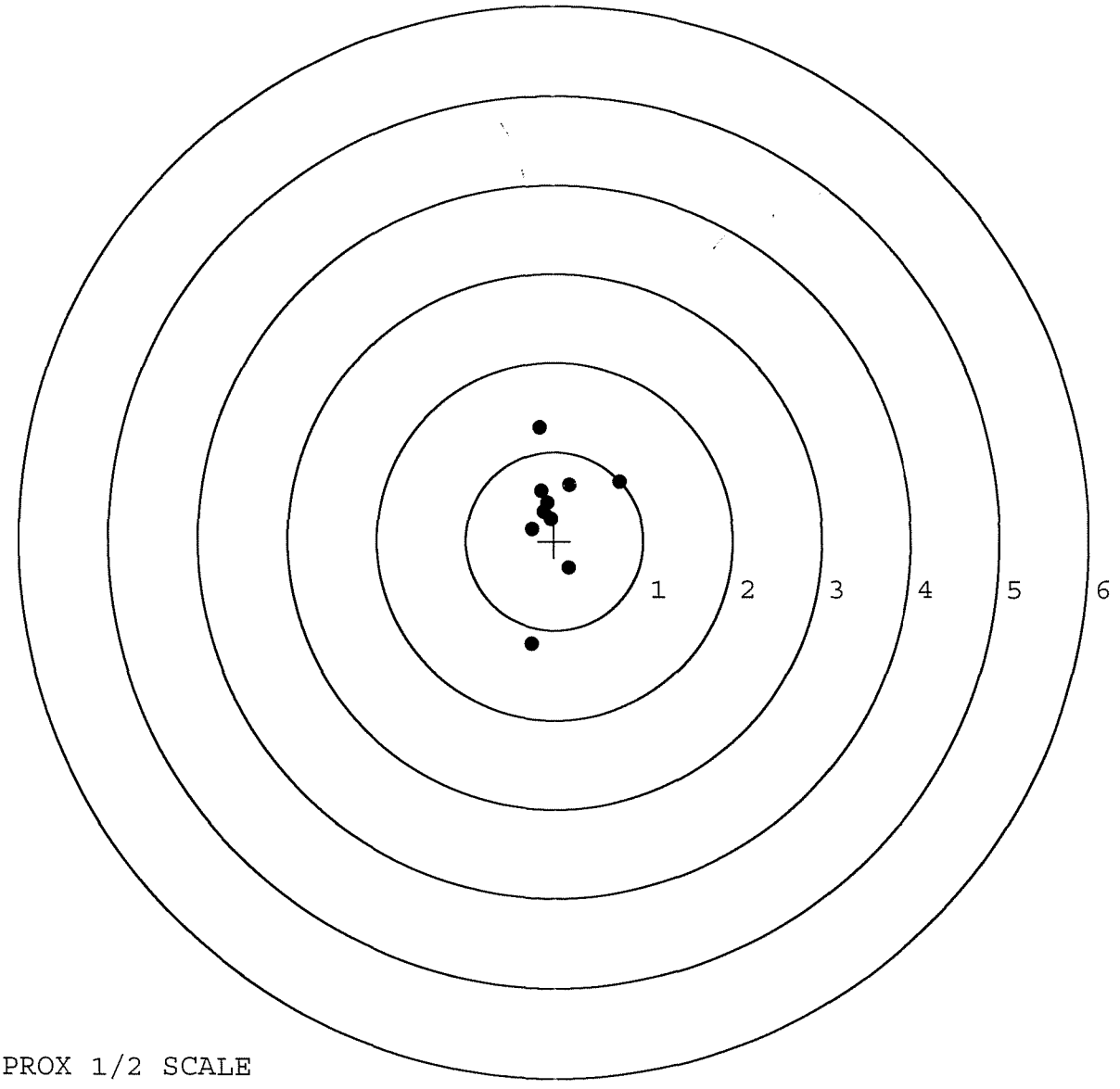



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611470.__0
TARGET NUMBER: 2
FILE DATE: 02/19/2009
FILE TIME: 10:45

| | |
|---|---|
| X CENTROID: | 0.003 |
| Y CENTROID: | 0.282 |
| POA TO CENTROID: | 0.282 |
| HORZ SPREAD: | 1.000 |
| VERT SPREAD: | 2.432 |
| GROUP SPREAD: | 2.434 |
| MIN RADIUS: | 0.050 |
| MAX RADIUS: | 1.465 |
| MEAN RADIUS: | 0.525 |
| # IN 1 IN DIAMETER: | 6 |
| # IN 2 IN DIAMETER: | 8 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | -0.260 | -1.159 |
| 2: | 0.164 | -0.301 |
| 3: | -0.161 | 1.273 |
| 4: | 0.740 | 0.662 |
| 5: | 0.171 | 0.631 |
| 6: | -0.140 | 0.565 |
| 7: | -0.079 | 0.431 |
| 8: | -0.251 | 0.139 |
| 9: | -0.117 | 0.328 |
| 10: | -0.034 | 0.249 |

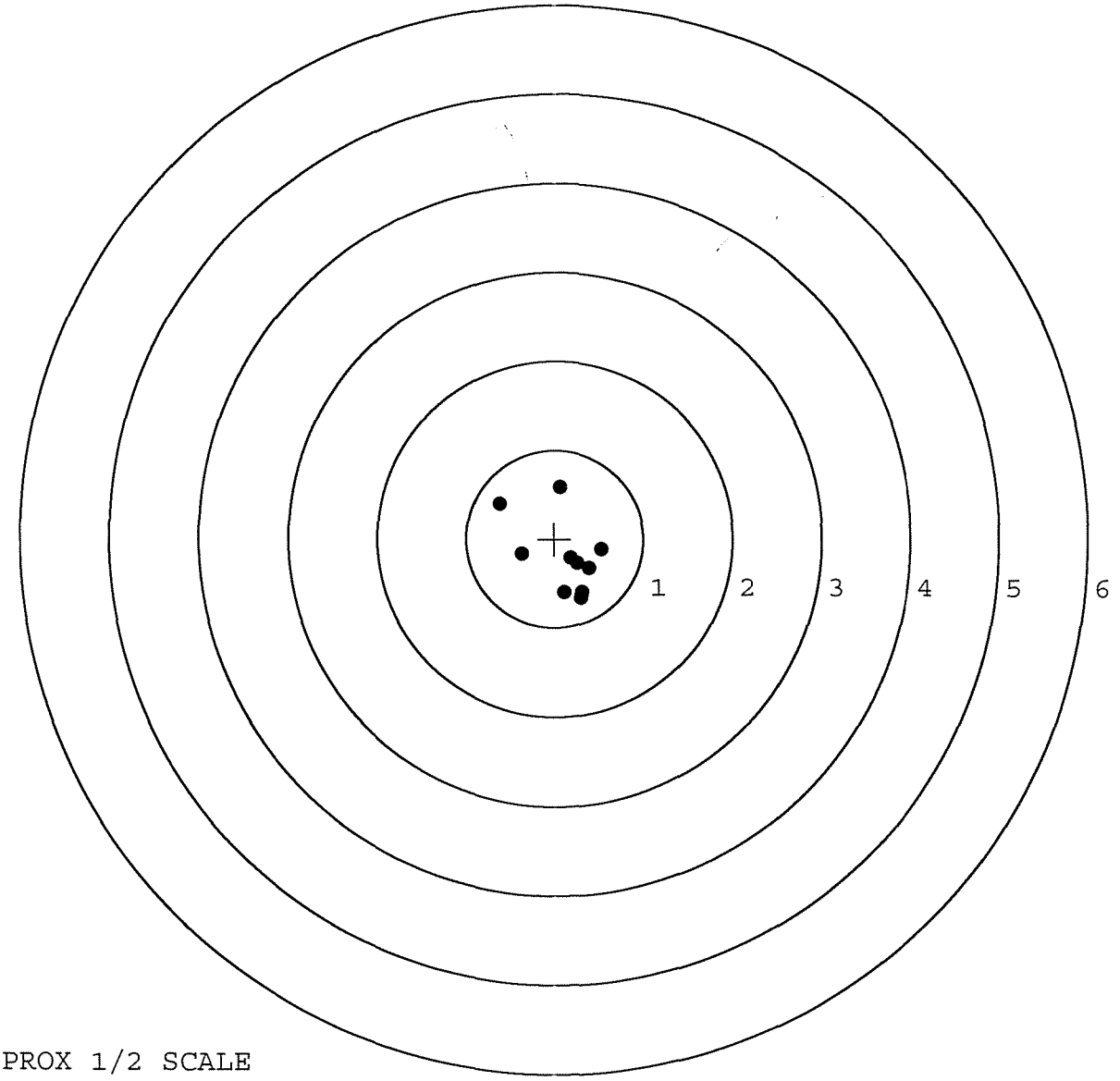



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611470.__0
TARGET NUMBER: 3
FILE DATE: 02/19/2009
FILE TIME: 10:45

| | |
|---|---|
| X CENTROID: | 0.115 |
| Y CENTROID: | -0.200 |
| POA TO CENTROID: | 0.230 |
| HORZ SPREAD: | 1.157 |
| VERT SPREAD: | 1.255 |
| GROUP SPREAD: | 1.408 |
| MIN RADIUS: | 0.072 |
| MAX RADIUS: | 0.948 |
| MEAN RADIUS: | 0.454 |
| # IN 1 IN DIAMETER: | 7 |
| # IN 2 IN DIAMETER: | 10 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.298 | -0.670 |
| 2: | -0.371 | -0.167 |
| 3: | 0.061 | 0.585 |
| 4: | -0.624 | 0.394 |
| 5: | 0.533 | -0.117 |
| 6: | 0.186 | -0.211 |
| 7: | 0.111 | -0.608 |
| 8: | 0.313 | -0.605 |
| 9: | 0.256 | -0.267 |
| 10: | 0.388 | -0.329 |

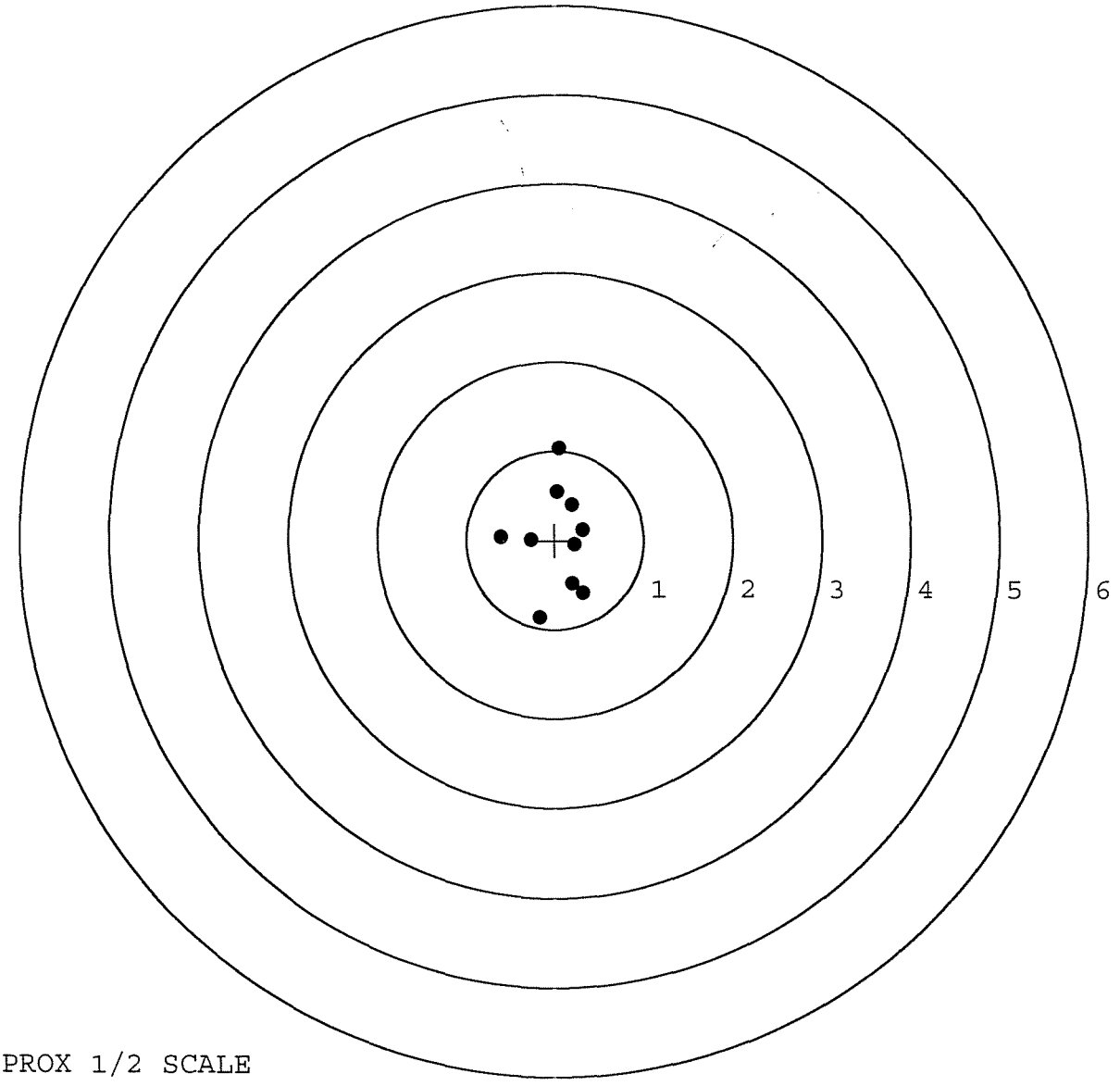



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611470.__0
TARGET NUMBER: 4
FILE DATE: 02/19/2009
FILE TIME: 10:45

| | |
|---|---|
| X CENTROID: | 0.027 |
| Y CENTROID: | 0.012 |
| POA TO CENTROID: | 0.030 |
| HORZ SPREAD: | 0.928 |
| VERT SPREAD: | 1.901 |
| GROUP SPREAD: | 1.914 |
| MIN RADIUS: | 0.206 |
| MAX RADIUS: | 1.018 |
| MEAN RADIUS: | 0.552 |
| # IN 1 IN DIAMETER: | 4 |
| # IN 2 IN DIAMETER: | 9 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | -0.171 | -0.871 |
| 2: | -0.268 | 0.008 |
| 3: | 0.053 | 1.030 |
| 4: | -0.609 | 0.034 |
| 5: | 0.316 | -0.598 |
| 6: | 0.197 | -0.488 |
| 7: | 0.025 | 0.542 |
| 8: | 0.188 | 0.399 |
| 9: | 0.319 | 0.117 |
| 10: | 0.223 | -0.051 |

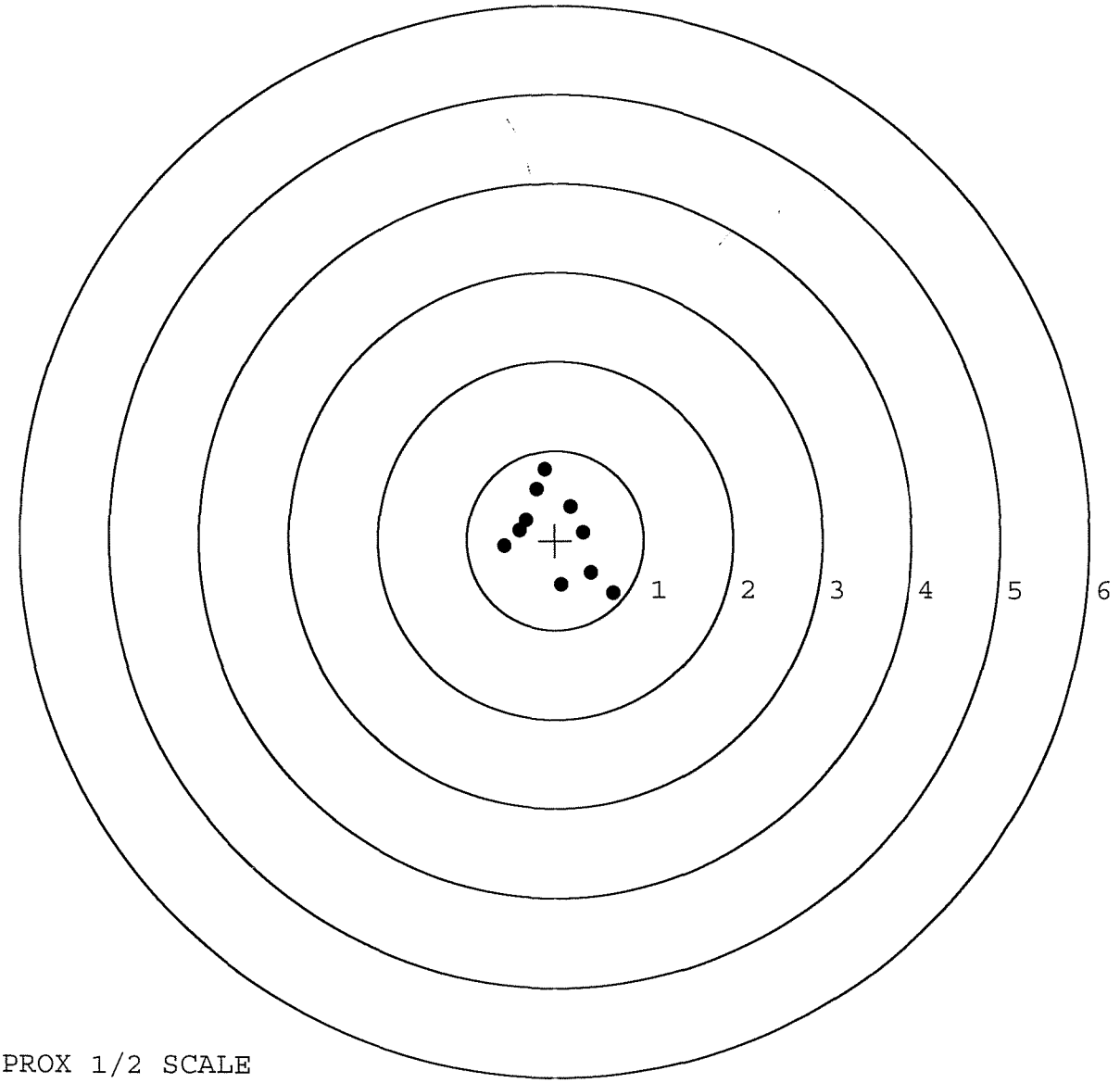



TARGET APPROX 1/2 SCALE

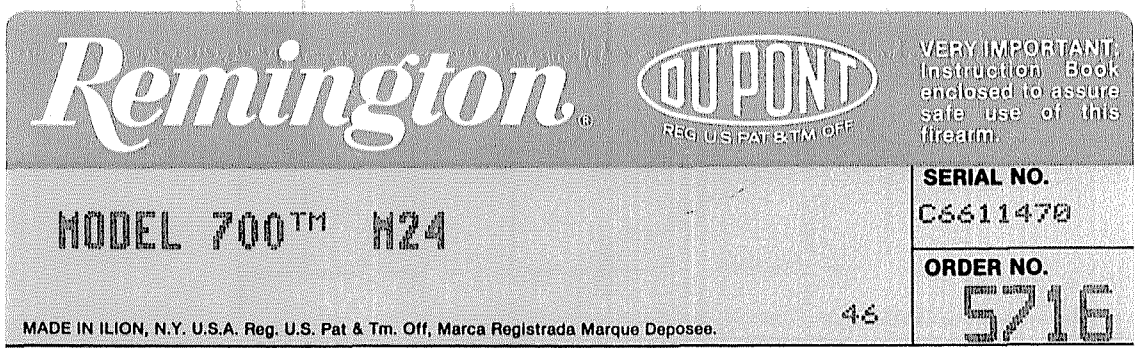
SERIAL NUMBER: C6611470.__0
TARGET NUMBER: 5
FILE DATE: 02/19/2009
FILE TIME: 10:45

| | |
|---|---|
| X CENTROID: | -0.004 |
| Y CENTROID: | 0.065 |
| POA TO CENTROID: | 0.065 |
| HORZ SPREAD: | 1.236 |
| VERT SPREAD: | 1.382 |
| GROUP SPREAD: | 1.588 |
| MIN RADIUS: | 0.323 |
| MAX RADIUS: | 0.929 |
| MEAN RADIUS: | 0.541 |
| # IN 1 IN DIAMETER: | 4 |
| # IN 2 IN DIAMETER: | 10 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.656 | -0.589 |
| 2: | 0.317 | 0.091 |
| 3: | -0.126 | 0.793 |
| 4: | -0.218 | 0.571 |
| 5: | -0.331 | 0.221 |
| 6: | -0.580 | -0.072 |
| 7: | -0.403 | 0.109 |
| 8: | 0.406 | -0.360 |
| 9: | 0.067 | -0.495 |
| 10: | 0.167 | 0.377 |




TARGET APPROX 1/2 SCALE





CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611470

| OP. # | OP. NAME | READINGS | DATE | INIT |
|---|---|---|---|---|
| 575 & 580 | Assemble Action and Stock | | 3/13/91 | K.S. |
| 600 | Proof | | 3/13/91 | K.S. |
| 607 | Check Headspace | | 3/13/91 | K.S. |
| 610 | Dis-assemble Gun | | 3/13/91 | K.S |
| 612 | Magnaflux Barrel Action | | 3/27/91 | KC |
| | Magnaflux Bolt | | " | KC |
| 615 | Rollmark Caliber | | 3/27/91 | GS |
| 617 | Drill and Tap Sight Holes | APR 3 1991 | | CG |
| 618 | Polish Barrel | APR 3 1991 | | WS |
| 620 | Apply Coatings (Barrel Action) | | 4-8-91 | AA |
| | Apply Coating (Bolt) | | | AA |
| 625 | Final Assembly A) Clean inside of Bolt Assembly | | 4/18/91 | KS |
| | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head | | 4/18/91 | KS |
| | C) Inspect Ejector Hole for Chamfer | | 4/18/91 | KS |
| | D) Oil Firing Pin Ass'y | | 4/18/91 | KS |
| | E) Adjust Trigger Pull to Min Setting and Stake | | 4/19/91 | SG |

| Op. # | OP. NAME | READINGS | | | DATE | INIT |
|---|---|---|---|---|---|---|
| 625 cont. | F) Safety On Force | 7 | 6 | 6 1/2 | 4-19-91 | DH |
| | G) Safety Off Force | 2 1/2 | 2 1/2 | 2 3/4 | 4-19-91 | DH |
| | H) Trigger Pull Test & Retainability | | | | 4/14/91 | DH |
| | I) Firing Pin Indent | .020 | .021 | .022 | 4-19-91 | DH |
| | J) Assemble Stock | | | | 4/24/91 | KS |
| | K) Assemble Swivel Studs | | | | 5-10-91 | AC |
| | L) Attach Front and Rear Sight Assemblies | | | | 4/26/91 | KS |
| | M) Iron Sight Alignment | | | | 4/26/91 | KS |
| | N) Detach Front & Rear Sights & place in numbered container | | | | 4/26/91 | KS |
| | O) Attach Scope to Rifle | | | | 4/26/91 | KS |
| | P) Detach & Attach Scope 20 Times | | | | 4/26/91 | KS |
| 640 | Gallery Target & Test | | | | 4-29-91 | DH |
| | A) Time | | | | 4-29-91 | DH |
| | B) Malfunctions | | | | 4-29-91 | DH |
| | C) Pierced Primers | | | | 4-29-91 | DH |
| | D) Optical Clearity of Scope | | | | 4-29-91 | DH |
| 645 | Inspect for Live Ammo | | | | 4-29-91 | DH |
| 655 | Final Inspection A) Headspace | | | | 5-10-91 | AC |
| | B) Trigger Pull | 2.53 | 2.34 | 2.33 | 2.47 2.37 | 5/9/91 DH |
| | C) Function | | | | 5-10-91 | AC |
| 660 | Pack | | | | 6-17-91 | AF |

# SWS TRIGGER PULL TEST

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

SERIAL NO. C-6611470

DATE 4/19/91

TESTER [illegible]

| | 2.50# INITIAL | 2.50# AFTER 50 CYCLES | FINAL TEST & TO RESET 2.50# | | COMMENTS |
|---|---|---|---|---|---|
| PULL #1 | 2.44 | 2.43 | 2.48 | 2.53 | MIN. SETTING, |
| PULL #2 | 2.36 | 2.56 | 2.46 | 2.34 | NO AVG. OF 5 |
| PULL #3 | 2.46 | 2.38 | 2.50 | 2.33 | READINGS ACCEPT- |
| PULL #4 | 2.46 | 2.46 | 2.50 | 2.47 | ABLE LESS THAN 2# |
| PULL #5 | 2.42 | 2.54 | 2.49 | 2.37 | |
| TOTAL | | | | | |
| AVG. | | | | | |

| | 3.00# INITIAL | 3.00# AFTER 20 CYCLES | | COMMENTS |
|---|---|---|---|---|
| PULL #1 | 3.36 | 3.21 | | |
| PULL #2 | 3.33 | 3.20 | | |
| PULL #3 | 3.27 | 3.32 | | |
| PULL #4 | 3.28 | 3.20 | | |
| PULL #5 | 3.31 | 3.22 | | |
| TOTAL | | | | |
| AVG. | | | | |

| | 4.00# INITIAL | 4.00# AFTER 20 CYCLES | MAX SETTING GREATER THAN 4# | RESET TO 4# FOR TARGET & ACCURACY |
|---|---|---|---|---|
| PULL #1 | 4.18 | 4.52 | | 4.33 |
| PULL #2 | 4.25 | 4.42 | | 4.43 |
| PULL #3 | 4.19 | 4.41 | | 4.41 |
| PULL #4 | 4.24 | 4.43 | | 4.34 |
| PULL #5 | 4.15 | 4.37 | | 4.39 |
| TOTAL | | | | |
| AVG. | | | | |

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611470
29 Apr 1991

## CENTROIDAL DISTANCES

| | | | |
|---|---|---|---|
| 0 | TO | 1 | .212002 |
| 1 | TO | 2 | .366022 |
| 1 | TO | 3 | .0983514 |
| 1 | TO | 4 | .223394 |
| 1 | TO | 5 | .196888 |

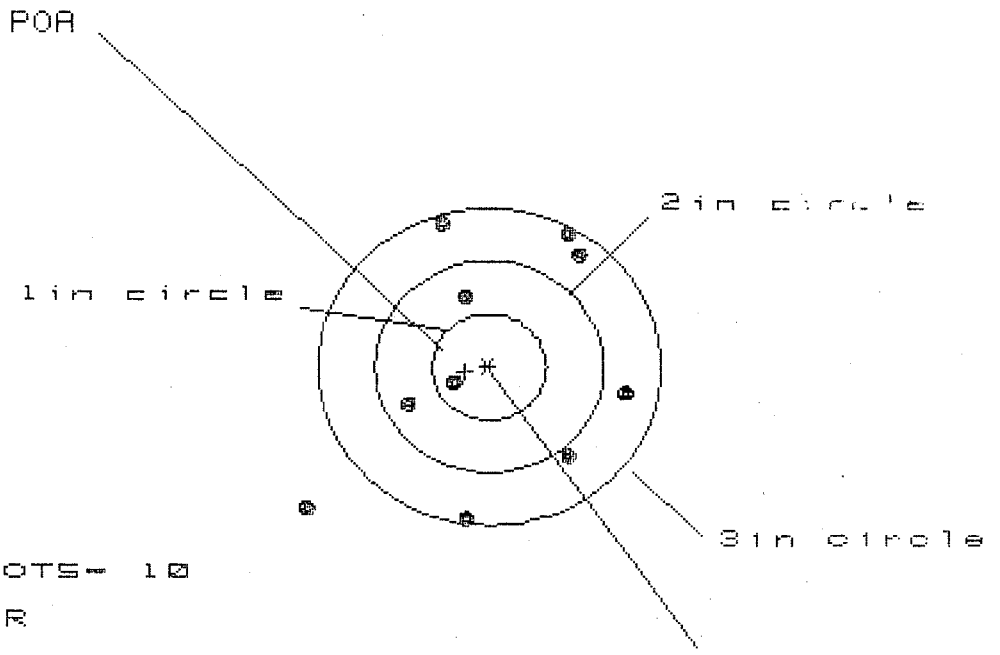

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2332
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1036
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .255177

THE AMR FOR THIS RIFLE IS: .9348

29 Apr 1991 FILE:/PATTERNING/CENTERFIRE_PATT/C6611470

CENTERFIRE PATTERNS # 1




# OF SHOTS= 10

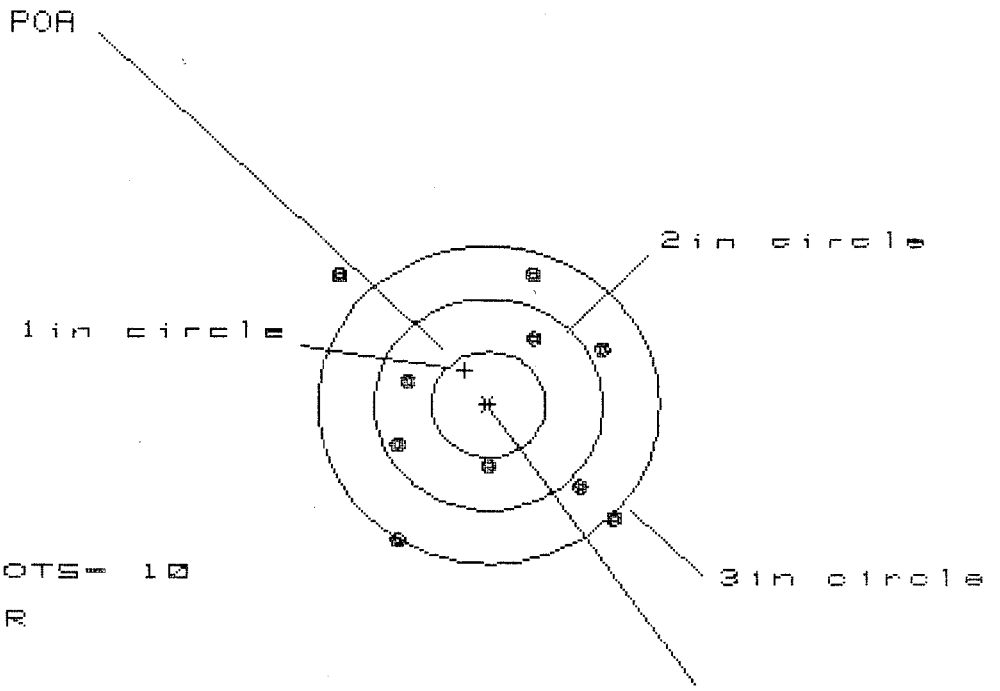
# IN CIR
1in = 1
2in = 3
3in = 9

HS= 2.792
VS= 2.846
GS= 3.421

| | | | | |
|---|---|---|---|---|
| PATTERN # | : | [illegible] | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.204 | 1.027 | .981 |
| MINIMUM X | : | -1.588 | -.898 | -.944 |
| MAXIMUM Y | : | 1.363 | 1.218 | 1.015 |
| MINIMUM Y | : | -1.483 | -1.628 | -1.177 |
| CENTROID X | : | .208 | .385 | .430 |
| CENTROID Y | : | .041 | .186 | .389 |
| POA TO CENTROID in. | : | .212 | .427 | .580 |
| MIN RADIUS | : | .342 | .568 | .484 |
| MEAN RADIUS | : | 1.179 | 1.077 | .985 |
| MAX RADIUS | : | 2.053 | 1.668 | 1.253 |
| HORIZONTAL SPREAD | : | 2.792 | 1.925 | 1.925 |
| VERTICAL SPREAD | : | 2.846 | 2.846 | 2.192 |
| EXTREME SPREAD | : | 3.421 | 2.869 | 2.432 |
| NUMBER IN ONE INCH CIRCLE | = | | 1 | |
| NUMBER IN TWO INCH CIRCLE | = | | 3 | |
| NUMBER IN THREE INCH CIRCLE | = | | 9 | |

29 Apr 1991 FILE:/PATTERNING/CENTERFIRE_PATT/C6B11470

# CENTERFIRE PATTERNS # 2




# OF SHOTS= 10

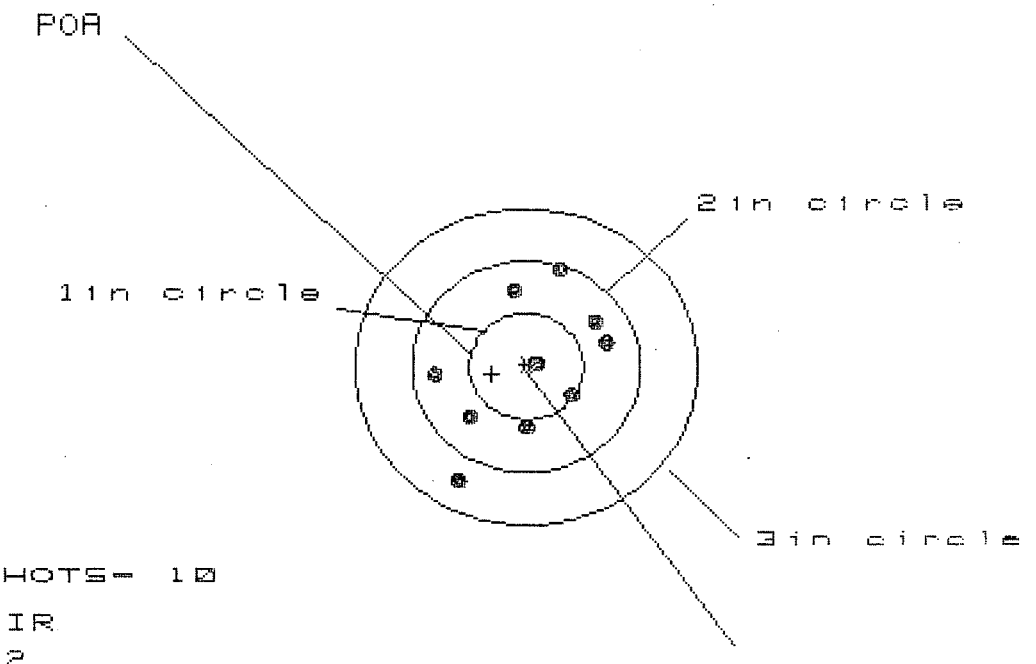
| # IN CIR | |
|---|---|
| 1in = | 0 |
| 2in = | 4 |
| 3in = | 9 |

HS= 2.348
VS= 2.505
GS= 3.299

| PATTERN # | : | 2 | | |
|---|---|---|---|---|
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.053 | .910 | .786 |
| MINIMUM X | : | -1.295 | -.991 | -1.074 |
| MAXIMUM Y | : | 1.268 | 1.405 | 1.268 |
| MINIMUM Y | : | -1.237 | -1.096 | -1.045 |
| CENTROID X | : | .204 | .347 | .471 |
| CENTROID Y | : | -.325 | -.466 | -.329 |
| POA TO CENTROID in. | : | .383 | .581 | .575 |
| MIN RADIUS | : | .547 | .432 | .607 |
| MEAN RADIUS | : | 1.128 | 1.037 | .975 |
| MAX RADIUS | : | 1.812 | 1.478 | 1.308 |
| HORIZONTAL SPREAD | : | 2.348 | 1.901 | 1.860 |
| VERTICAL SPREAD | : | 2.505 | 2.501 | 2.313 |
| EXTREME SPREAD | : | 3.299 | 2.799 | 2.401 |
| NUMBER IN ONE INCH CIRCLE | = | | 0 | |
| NUMBER IN TWO INCH CIRCLE | = | | 4 | |
| NUMBER IN THREE INCH CIRCLE | = | | 9 | |

29 Apr 1991 FILE:/PATTERNING/CENTERFIRE_PATT/C6811470

CENTERFIRE PATTERNS # 3




# OF SHOTS= 10

# IN CIR
1in = 2
2in = 8
3in = 10

HS= 1.512
VS= 2.017
GS= 2.190

| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 3 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | .706 | .640 | .665 |
| MINIMUM X | : | -.806 | -.872 | -.847 |
| MAXIMUM Y | : | .965 | .848 | .743 |
| MINIMUM Y | : | -1.052 | -.664 | -.557 |
| CENTROID X | : | .301 | .367 | .342 |
| CENTROID Y | : | .073 | .190 | .084 |
| POA TO CENTROID in. | : | .310 | .413 | .352 |
| MIN RADIUS | : | .085 | .060 | .052 |
| MEAN RADIUS | : | .705 | .637 | .599 |
| MAX RADIUS | : | 1.205 | .892 | .851 |
| HORIZONTAL SPREAD | : | 1.512 | 1.512 | 1.512 |
| VERTICAL SPREAD | : | 2.017 | 1.512 | 1.301 |
| EXTREME SPREAD | : | 2.190 | 1.656 | 1.540 |
| NUMBER IN ONE INCH CIRCLE | = | | 2 | |
| NUMBER IN TWO INCH CIRCLE | = | | 8 | |
| NUMBER IN THREE INCH CIRCLE | = | | 10 | |

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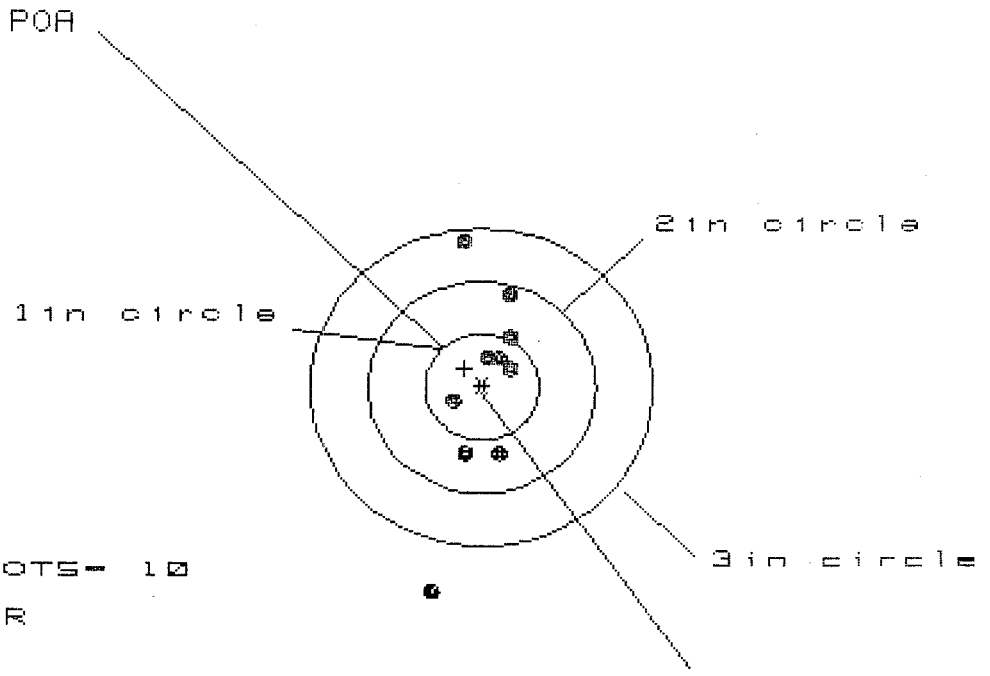
# CENTERFIRE PATTERNS # 4




# OF SHOTS= 10

| # IN CIR | |
|---|---|
| 1in | = 5 |
| 2in | = 8 |
| 3in | = 9 |

HS= .766
VS= 3.322
GS= 3.333

| PATTERN # | : | 4 | | |
|---|---|---|---|---|
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | .295 | .243 | .212 |
| MINIMUM X | : | -.471 | -.302 | -.333 |
| MAXIMUM Y | : | 1.411 | 1.199 | .786 |
| MINIMUM Y | : | -1.911 | -.857 | -.708 |
| CENTROID X | : | .151 | .203 | .234 |
| CENTROID Y | : | -.175 | .037 | -.112 |
| POA TO CENTROID in. | : | .231 | .207 | .260 |
| MIN RADIUS | : | .243 | .053 | .183 |
| MEAN RADIUS | : | .717 | .524 | .450 |
| MAX RADIUS | : | 1.968 | 1.224 | .815 |
| HORIZONTAL SPREAD | : | .766 | .545 | .545 |
| VERTICAL SPREAD | : | 3.322 | 2.056 | 1.494 |
| EXTREME SPREAD | : | 3.333 | 2.084 | 1.512 |
| NUMBER IN ONE INCH CIRCLE | = | | 5 | |
| NUMBER IN TWO INCH CIRCLE | = | | 8 | |
| NUMBER IN THREE INCH CIRCLE | = | | 9 | |

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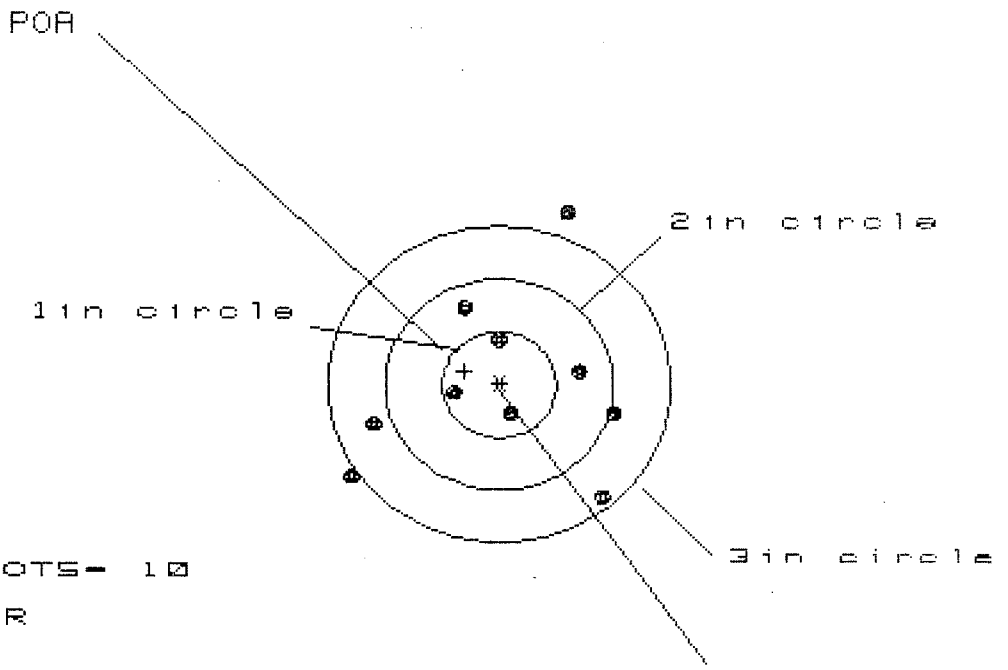
# CENTERFIRE PATTERNS # 5




# OF SHOTS= 10

# IN CIR
1in = 3
2in = 6
3in = 8

HS= 2.251
VS= 2.719
GS= 3.079

| PATTERN # | : | 5 | | |
|---|---|---|---|---|
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | .951 | 1.013 | .858 |
| MINIMUM X | : | -1.300 | -1.238 | -1.210 |
| MAXIMUM Y | : | 1.630 | .864 | .783 |
| MINIMUM Y | : | -1.089 | -.908 | -.989 |
| CENTROID X | : | .302 | .240 | .395 |
| CENTROID Y | : | -.132 | -.313 | -.232 |
| POA TO CENTROID in. | : | .329 | .395 | .458 |
| MIN RADIUS | : | .272 | .146 | .170 |
| MEAN RADIUS | : | .945 | .853 | .771 |
| MAX RADIUS | : | 1.721 | 1.398 | 1.273 |
| HORIZONTAL SPREAD | : | 2.251 | 2.251 | 2.068 |
| VERTICAL SPREAD | : | 2.719 | 1.772 | 1.772 |
| EXTREME SPREAD | : | 3.079 | 2.316 | 2.143 |
| NUMBER IN ONE INCH CIRCLE | = | | 3 | |
| NUMBER IN TWO INCH CIRCLE | = | | 6 | |
| NUMBER IN THREE INCH CIRCLE | = | | 8 | |