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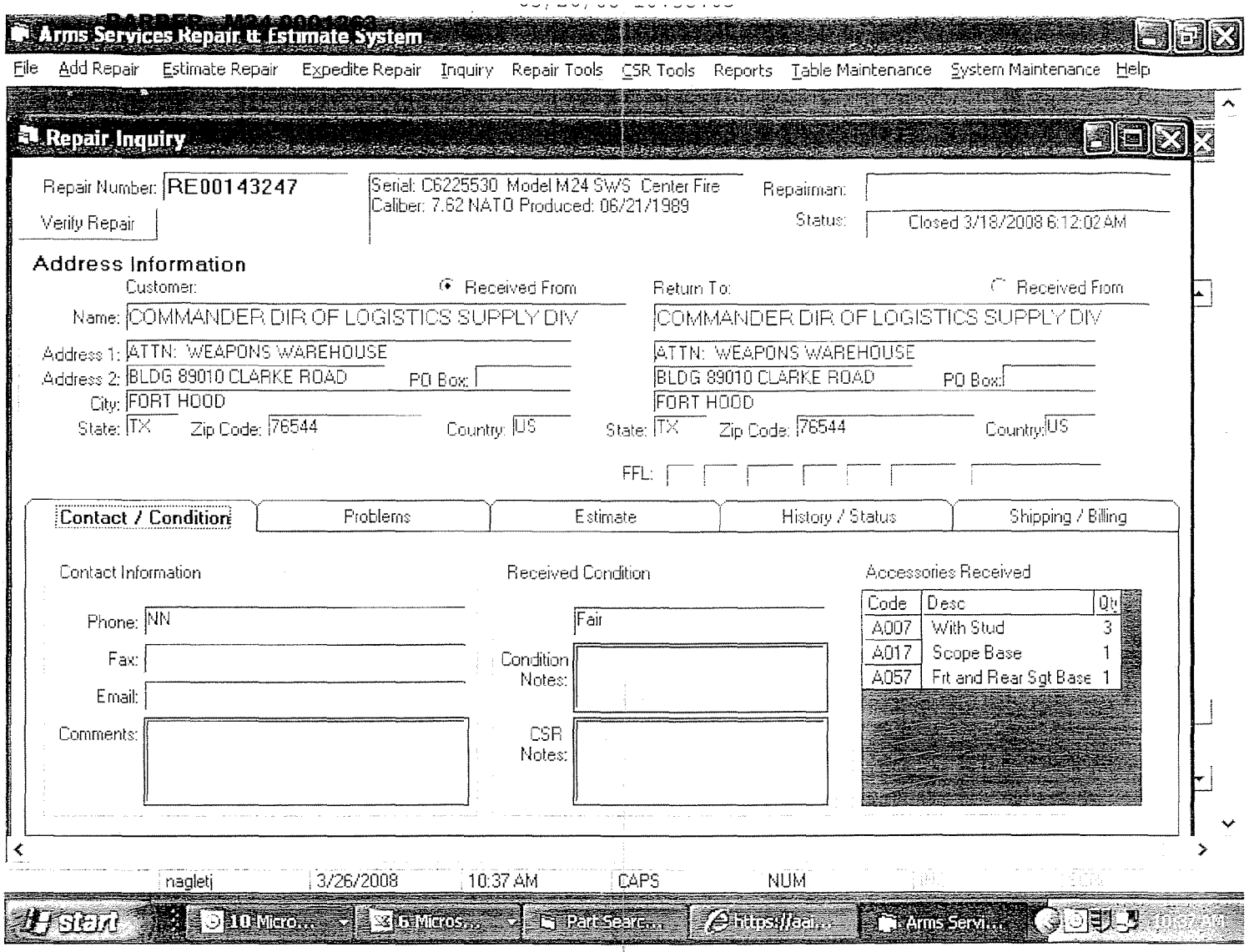
G673 8628
Replaces
C 622553a




G67386281

Serial Number: C6225530

Model: M24 SWS

RE00143247

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

R & E NUMBER 1432477
SERIAL NUMBER G6738628
LOG-IN DATE 3-18-08

| OPERATION # | OPERATION NAME | | DATE | INITIAL |
|---|---|---|---|---|
| 500 | DIS-ASSEMBLE GUN | | 4-18-08 | RR |
| 505 | RE-BARREL | | 4-22-08 | RTC |
| 560 | ASSEMBLE | | 4-22-08 | RTC |
| 600 | PROOF | MAGNA-FLUX APR 24 2008 | 4-22-08 | TRW |
| 605 | CHECK HEADSPACE | | 4-22-08 | TRW |
| 610 | DIS-ASSEMBLE GUN | | 4-22-08 | RTC |
| 612 | MAGNAFLUX | OPERATOR | 4/24/08 | |
| 510 | DRILL AND TAP | | 4-22-08 | TRW |
| 615 | ROLLMARK CALIBER | | 4-23-08 | CW |
| 618 | ROTO-BLAST | | 4-24-08 | DG |
| 620 | APPLY COATINGS | | 4-28-08 | |
| 625 | FINAL ASSEMBLY | | 4-29-08 | |
| 640 | FUNCTION TEST AND | (PASS) FAIL | 5-2-08 | TRW |
| 650 | TARGET | (PASS) FAIL | 5-2-08 | TRW |
| | MALFUNCTION | CORRECTION | | |
| | MALFUNCTION | CORRECTION N/A | | |
| | MALFUNCTION | CORRECTION | | |
| | MALFUNCTION | CORRECTION | 5-2-08 | FM |
| 670 | FINAL INSPECTION A) HEADSPACE | (PASS) FAIL | 5-2-08 | TRW |
| | B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS) | 2.20 2.21 2.22 2.22 2.22 | 5-2-08 | TRW |
| 680 | F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX) | 6.25 6.75 6.25 | 5-2-08 | TRW |
| | G) SAFETY OFF FORCE (2 LBS MIN) | 2.5 2.75 2.75 | 5-2-08 | TRW |
| | I) FIRING PIN INDENT .020 | .020$^5$ .020$^5$ .020 | 5-2-08 | TRW |
| 690 | PACK | | 5-2-08 | FM |

AVERAGE PULL FORCE BETWEEN INITIAL & CYCLE TESTS
2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

DATE 1-9-08

TESTER TRW

| | 2.50 LBS INITIAL | 2.50 LBS AFTER 50 CYCLES | FINAL TEST & TO RESET 2.50 LBS | | COMMENTS |
|---|---|---|---|---|---|
| PULL #1 | 2.72 | 2.29 | | 2.26 | |
| PULL #2 | 2.71 | 2.26 | | 2.27 | |
| PULL #3 | 2.75 | 2.14 | | 2.29 | |
| PULL #4 | 2.79 | 2.03 | | 2.28 | |
| PULL #5 | 2.78 | 2.02 | | 2.30 | |
| TOTAL | 13.75 | 10.74 | | 11.40 | |
| AVERAGE | 2.75 | 2.14 | | 2.28 | |

| | 3.00 LBS INITIAL | 3.00 LBS AFTER 20 CYCLES | | COMMENTS |
|---|---|---|---|---|
| PULL #1 | 3.26 | 3.06 | | |
| PULL #2 | 3.20 | 3.04 | | |
| PULL #3 | 3.05 | 3.08 | | |
| PULL #4 | 3.01 | 3.09 | | |
| PULL #5 | 3.12 | 3.08 | | |
| TOTAL | 15.64 | 15.35 | | |
| AVERAGE | 3.12 | 3.07 | | |

| | 4.00 LBS INITIAL | 4.00 LBS AFTER 20 CYCLES | MAX SETTING GREATER THAN 4 LBS | RESET TO 4 LBS FOR TARGET & ACCURACY |
|---|---|---|---|---|
| PULL #1 | 4.10 | 4.05 | | 4.48 |
| PULL #2 | 4.11 | 4.07 | | 4.45 |
| PULL #3 | 4.03 | 4.05 | | 4.44 |
| PULL #4 | 4.22 | 4.08 | | 4.47 |
| PULL #5 | 4.29 | 4.09 | | 4.46 |
| TOTAL | 20.75 | 20.34 | | 22.30 |
| AVERAGE | 4.15 | 4.06 | | 4.46 |

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6738628.__0
FILE DATE AND TIME: 05/02/2008 08:45

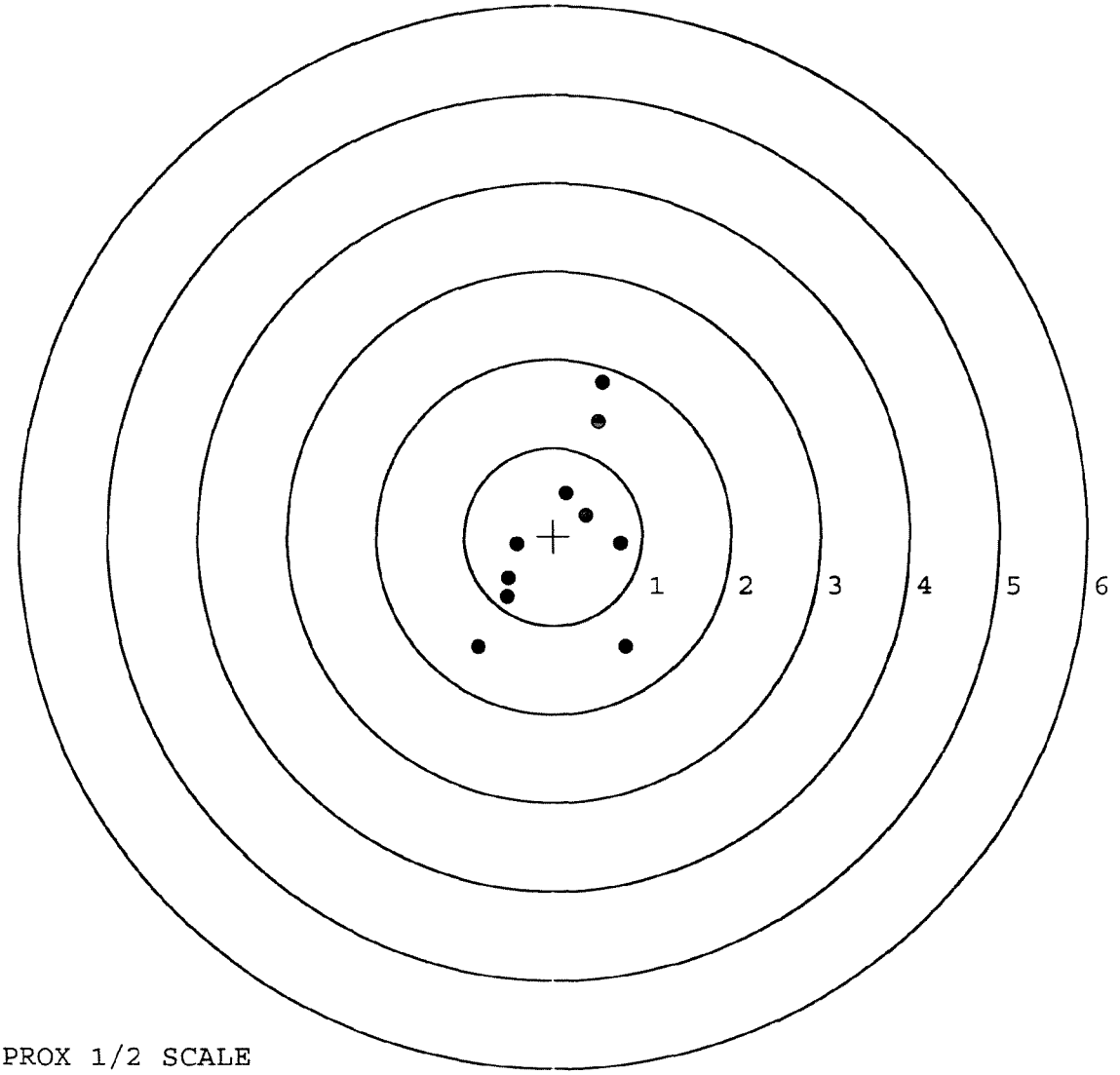
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

| | |
|---|---|
| The Average X Centroid of the Five Target Set: | 0.072 |
| The Average Y Centroid of the Five Target Set: | 0.004 |
| The Average Point of Impact of the Five Target Set: | 0.072 |
| The Average Mean Radius of the Five Target Set: | 0.768 |
| The Distance from POA to Centroid Target #1: | 0.091 |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.129 |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.135 |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.090 |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.089 |

SERIAL NUMBER: G6738628.__0
TARGET NUMBER: 1
FILE DATE: 05/02/2008
FILE TIME: 08:45

| | |
|---|---|
| X CENTROID: | 0.090 |
| Y CENTROID: | -0.007 |
| POA TO CENTROID: | 0.091 |
| HORZ SPREAD: | 1.662 |
| VERT SPREAD: | 2.992 |
| GROUP SPREAD: | 3.303 |
| MIN RADIUS: | 0.370 |
| MAX RADIUS: | 1.810 |
| MEAN RADIUS: | 0.988 |
| # IN 1 IN DIAMETER: | 2 |
| # IN 2 IN DIAMETER: | 6 |
| # in 3 IN DIAMETER: | 8 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.766 | -0.081 |
| 2: | 0.367 | 0.239 |
| 3: | 0.148 | 0.483 |
| 4: | -0.404 | -0.095 |
| 5: | -0.502 | -0.475 |
| 6: | -0.516 | -0.684 |
| 7: | -0.842 | -1.251 |
| 8: | 0.820 | -1.245 |
| 9: | 0.508 | 1.295 |
| 10: | 0.558 | 1.741 |

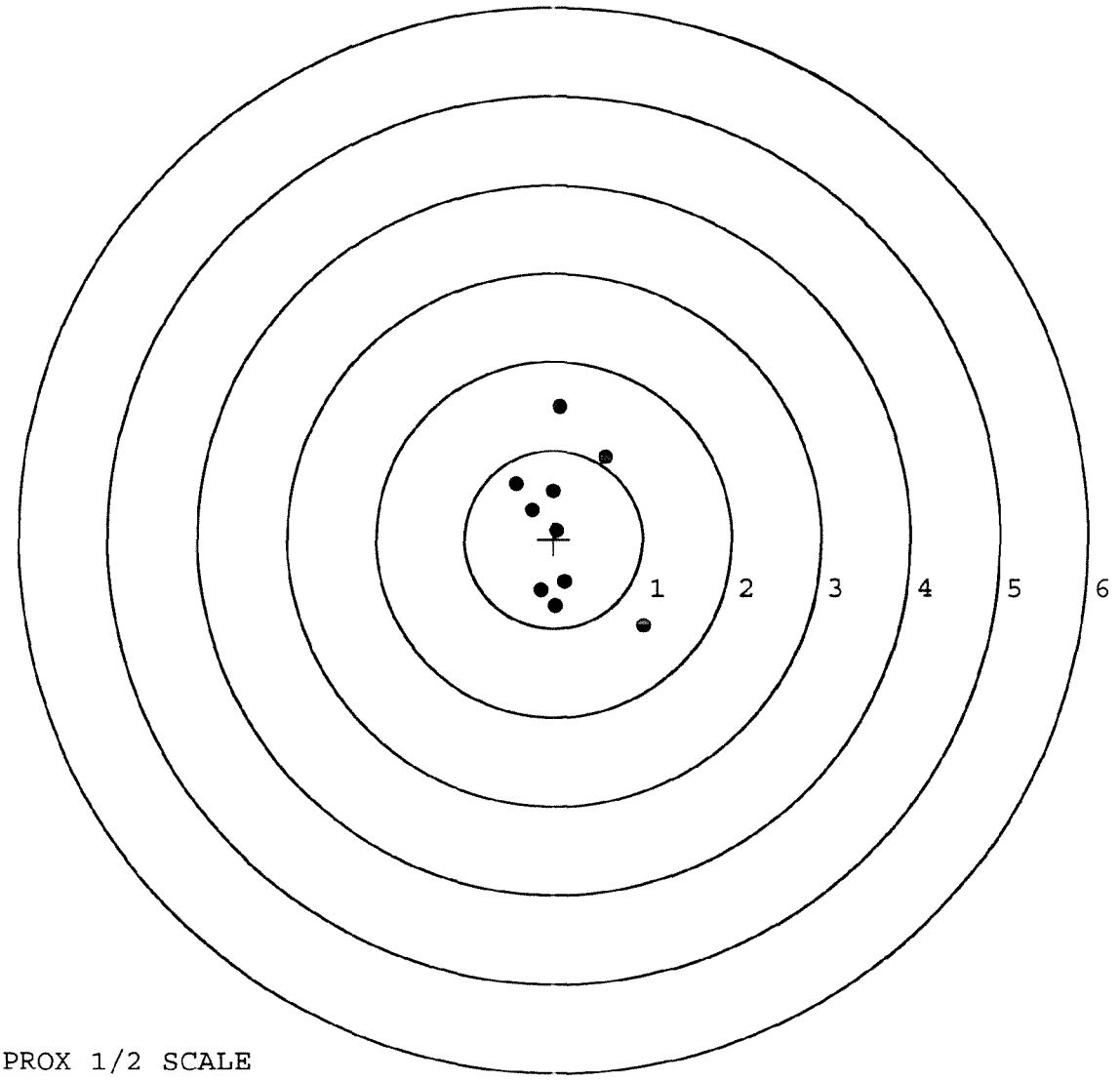



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6738628.__0
TARGET NUMBER: 2
FILE DATE: 05/02/2008
FILE TIME: 08:45

| | |
|---|---|
| X CENTROID: | 0.106 |
| Y CENTROID: | 0.121 |
| POA TO CENTROID: | 0.160 |
| HORZ SPREAD: | 1.430 |
| VERT SPREAD: | 2.465 |
| GROUP SPREAD: | 2.637 |
| MIN RADIUS: | 0.076 |
| MAX RADIUS: | 1.423 |
| MEAN RADIUS: | 0.760 |
| # IN 1 IN DIAMETER: | 3 |
| # IN 2 IN DIAMETER: | 8 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 1.011 | -0.977 |
| 2: | 0.588 | 0.928 |
| 3: | 0.074 | 1.488 |
| 4: | 0.023 | -0.757 |
| 5: | -0.143 | -0.578 |
| 6: | 0.132 | -0.486 |
| 7: | -0.419 | 0.620 |
| 8: | 0.034 | 0.097 |
| 9: | -0.001 | 0.542 |
| 10: | -0.241 | 0.328 |

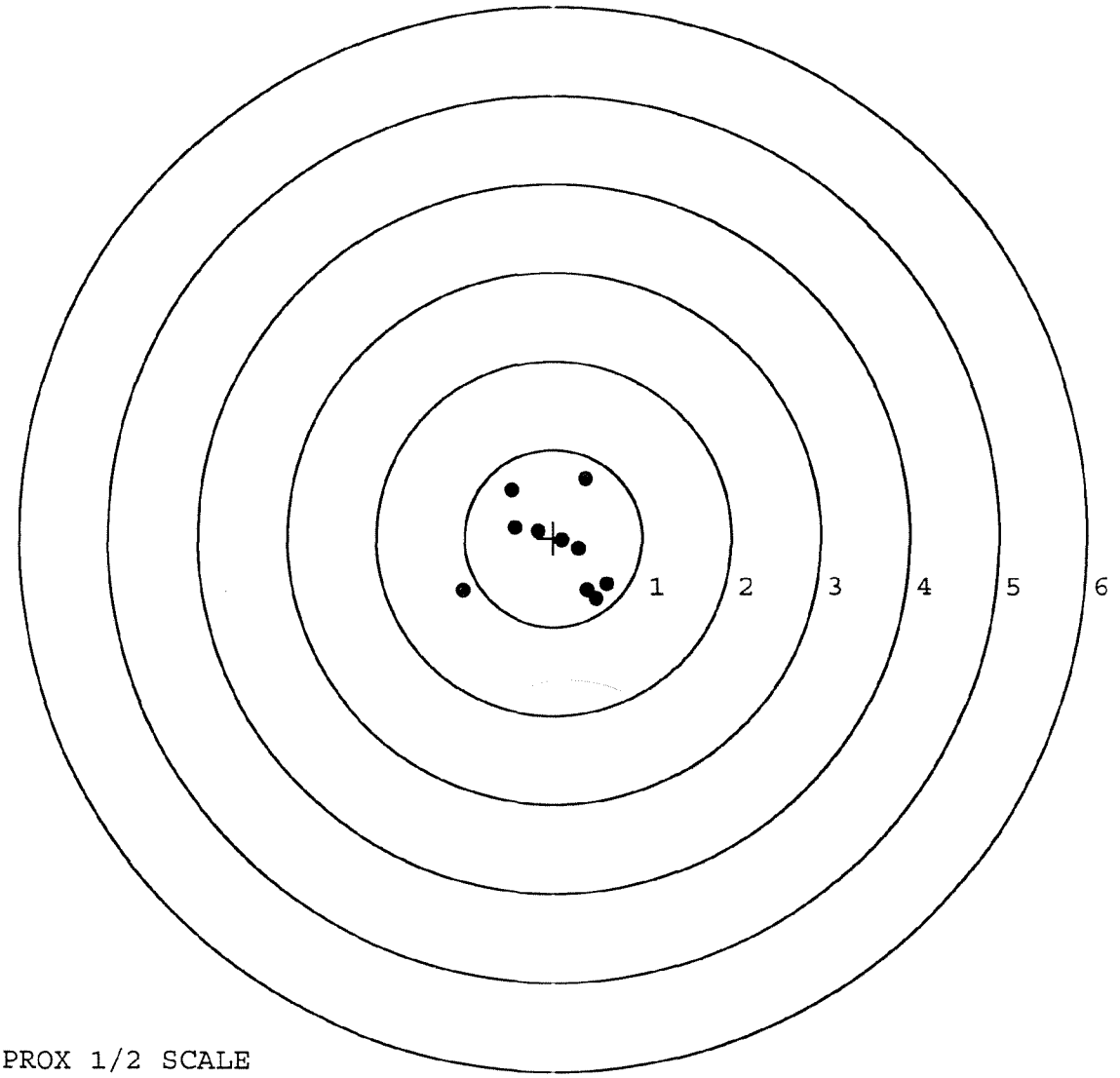



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6738628.__0
TARGET NUMBER: 3
FILE DATE: 05/02/2008
FILE TIME: 08:45

| | |
|---|---|
| X CENTROID: | 0.011 |
| Y CENTROID: | -0.117 |
| POA TO CENTROID: | 0.118 |
| HORZ SPREAD: | 1.618 |
| VERT SPREAD: | 1.357 |
| GROUP SPREAD: | 1.878 |
| MIN RADIUS: | 0.123 |
| MAX RADIUS: | 1.138 |
| MEAN RADIUS: | 0.605 |
| # IN 1 IN DIAMETER: | 3 |
| # IN 2 IN DIAMETER: | 9 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.600 | -0.525 |
| 2: | 0.386 | -0.590 |
| 3: | 0.483 | -0.689 |
| 4: | -1.018 | -0.603 |
| 5: | 0.364 | 0.668 |
| 6: | -0.473 | 0.536 |
| 7: | 0.292 | -0.124 |
| 8: | 0.095 | -0.027 |
| 9: | -0.178 | 0.074 |
| 10: | -0.439 | 0.109 |

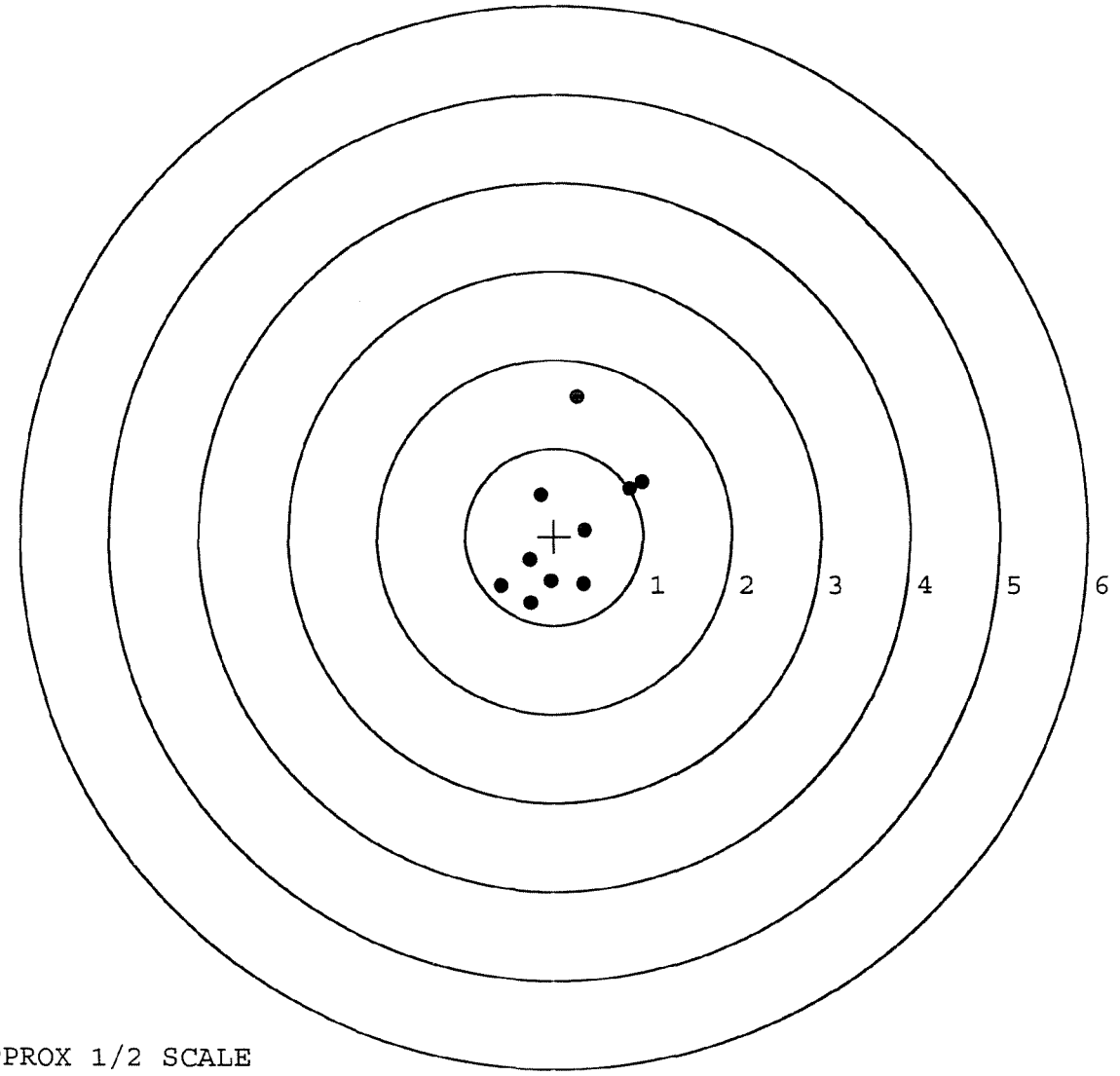



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6738628.__0
TARGET NUMBER: 4
FILE DATE: 05/02/2008
FILE TIME: 08:45

| | |
|---|---|
| X CENTROID: | 0.147 |
| Y CENTROID: | 0.063 |
| POA TO CENTROID: | 0.160 |
| HORZ SPREAD: | 1.591 |
| VERT SPREAD: | 2.334 |
| GROUP SPREAD: | 2.392 |
| MIN RADIUS: | 0.194 |
| MAX RADIUS: | 1.522 |
| MEAN RADIUS: | 0.775 |
| # IN 1 IN DIAMETER: | 1 |
| # IN 2 IN DIAMETER: | 8 |
| # in 3 IN DIAMETER: | 9 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.992 | 0.616 |
| 2: | 0.850 | 0.544 |
| 3: | -0.151 | 0.473 |
| 4: | 0.264 | 1.580 |
| 5: | 0.340 | 0.072 |
| 6: | 0.335 | -0.546 |
| 7: | -0.271 | -0.271 |
| 8: | -0.033 | -0.512 |
| 9: | -0.261 | -0.754 |
| 10: | -0.599 | -0.572 |



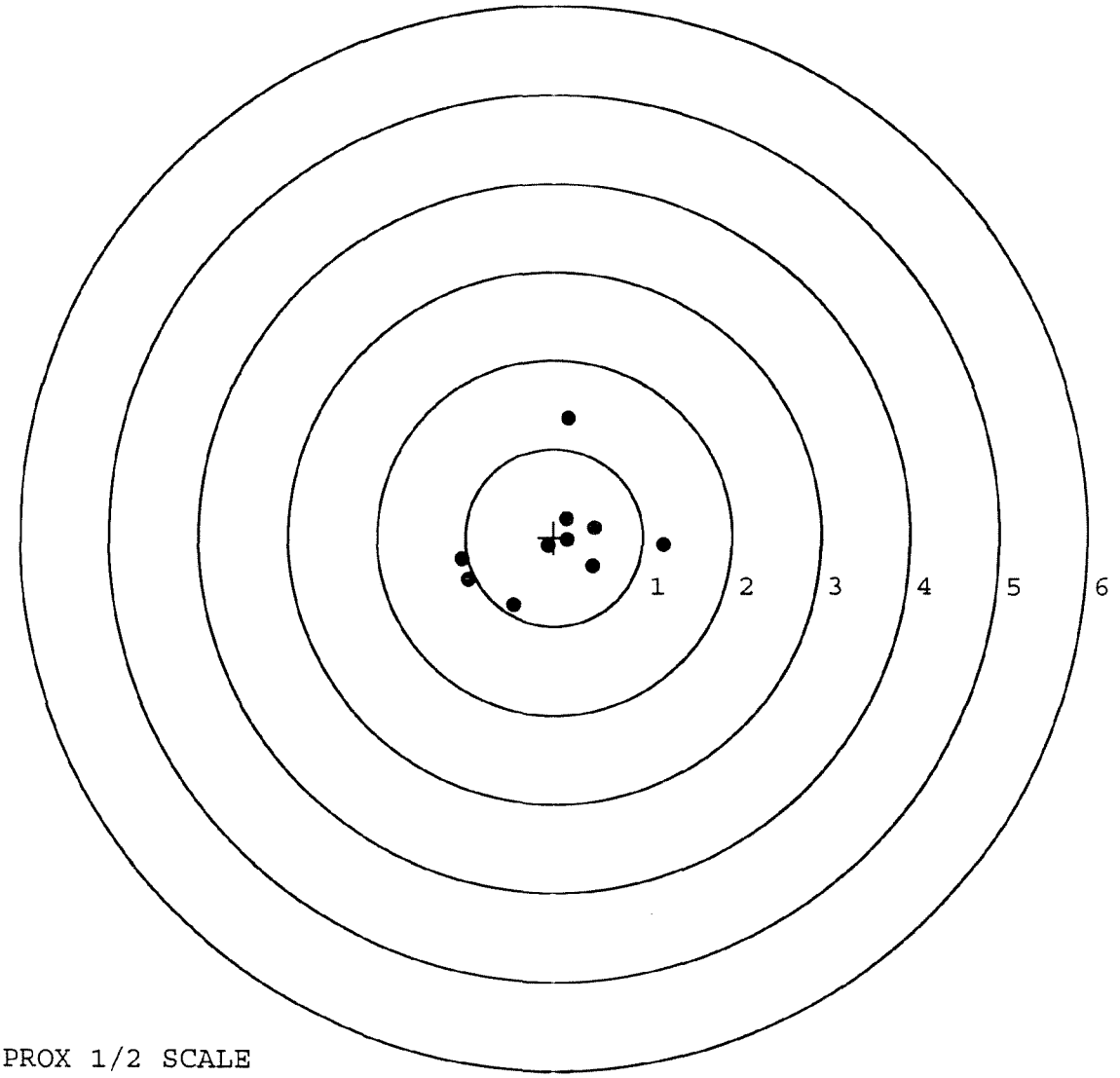

TARGET APPROX 1/2 SCALE

**BARBER - M24 0001271**

SERIAL NUMBER: G6738628.__0
TARGET NUMBER: 5
FILE DATE: 05/02/2008
FILE TIME: 08:45

| | |
|---|---|
| X CENTROID: | 0.008 |
| Y CENTROID: | -0.040 |
| POA TO CENTROID: | 0.041 |
| HORZ SPREAD: | 2.265 |
| VERT SPREAD: | 2.109 |
| GROUP SPREAD: | 2.199 |
| MIN RADIUS: | 0.094 |
| MAX RADIUS: | 1.390 |
| MEAN RADIUS: | 0.713 |
| # IN 1 IN DIAMETER: | 4 |
| # IN 2 IN DIAMETER: | 6 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 1.231 | -0.088 |
| 2: | 0.173 | 1.340 |
| 3: | -1.034 | -0.257 |
| 4: | -0.961 | -0.493 |
| 5: | -0.451 | -0.769 |
| 6: | 0.441 | -0.332 |
| 7: | 0.458 | 0.109 |
| 8: | 0.142 | 0.209 |
| 9: | -0.069 | -0.095 |
| 10: | 0.151 | -0.028 |




TARGET APPROX 1/2 SCALE

Scope 0038

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225530

| OP. # | OP. NAME | READINGS | DATE | INIT |
|---|---|---|---|---|
| 575 & 580 | Assemble Action and Stock | 4 12 | 89 | RW |
| 600 | Proof | 4 12 | 89 | RW |
| 607 | Check Headspace | 4 12 | 89 | RW |
| 610 | Dis-assemble Gun | 4 [illegible] | 89 | RW |
| 612 | Magnaflux Barrel Action | | 4/13/89 | KCR |
| | Magnaflux Bolt | | 4/14/89 | KCR |
| 615 | Rollmark Caliber | | 4/15/89 | GS |
| 617 | Drill and Tap Sight Holes | 4 14 | 89 | JB |
| 618 | Polish Barrel RB | 4 14 | 89 | BT |
| 620 | Apply Coatings (Barrel Action) | | 4 20 89 | TS |
| | Apply Coating (Bolt) | | | |
| 625 | Final Assembly A) Clean inside of Bolt Assembly | | 5/1/89 | RW |
| | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head | | 5/1/89 | RW |
| | C) Inspect Ejector Hole for Chamfer | | 5/1/89 | RW |
| | D) Oil Firing Pin Ass'y | | 5/1/89 | RW |
| | E) Adjust Trigger Pull to Min Setting and Stake | | 5/1/89 | WB |

| op. # | OP. NAME | READINGS | | | DATE | INIT |
|---|---|---|---|---|---|---|
| 625 cont. | F) Safety On Force | 6 | 6 | 5.75 | 5/1/89 | WB |
| | G) Safety Off Force | 3.5 | 3.5 | 3.25 | 5/1/89 | WB |
| | H) Trigger Pull Test & Retainability | | | | 5/1/89 | WB |
| | I) Firing Pin Indent | .0205 | .020 | .021 | 5/1/89 | WB |
| | J) Assemble Stock | | | | 5/5/89 | RW |
| | K) Assemble Swivel Studs | | | | 15May89 | GS |
| | L) Attach Front and Rear Sight Assemblies | | | | 5/5/89 | RW |
| | M) Iron Sight Alignment | | | | 5/5/89 | RW |
| | N) Detach Front & Rear Sights & place in numbered container | | | | 5/5/89 | RW |
| | O) Attach Scope to Rifle | | | | 5/5/89 | RW |
| | P) Detach & Attach Scope 20 Times | | | | 5/8/89 | RW |
| 640 | Gallery Target & Test | 76 R | 75 L | | 5/9/89 | DH |
| | A) Time | | | | 5/9/89 | DH |
| | B) Malfunctions | | | | 5/9/89 | DH |
| | C) Pierced Primers | | | | 5/9/89 | DH |
| | D) Optical Clearity of Scope | | | | 5/9/89 | DH |
| 645 | Inspect for Live Ammo | | | | 5/9/89 | DH |
| 655 | Final Inspection A) Headspace | | | | 15May89 | GS |
| | B) Trigger Pull | 2.52 | 2.70 | 2.72 | 2.70 2.51 | 15May89 GS |
| | C) Function | | | | 15May89 | GS |
| 660 | Pack | | | | 26May89 | GS |

# SWS TRIGGER PULL TEST

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

SERIAL NO. CL22-5530

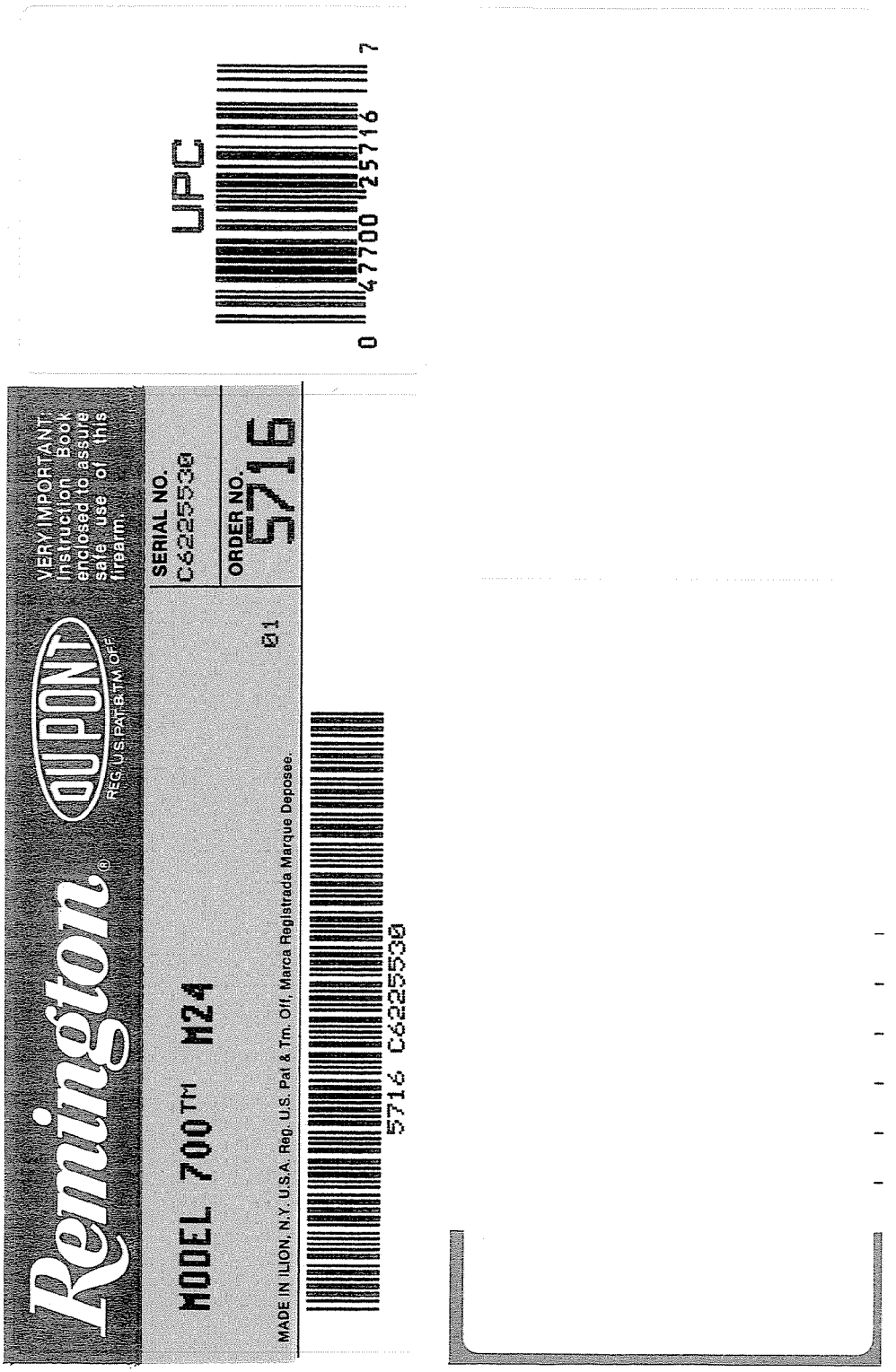
DATE 4-6-90

TESTER JH

| | 2.50# INITIAL | 2.50# AFTER 50 CYCLES | FINAL TEST & TO RESET 2.50# | COMMENTS |
|---|---|---|---|---|
| PULL #1 | 2.45 | 2.41 | 2.46 | MIN. SETTING, |
| PULL #2 | 2.39 | 2.46 | 2.49 | NO AVG. OF 5 |
| PULL #3 | 2.32 | 2.41 | 2.53 | READINGS ACCEPT- |
| PULL #4 | 2.54 | 2.51 | 2.54 | ABLE LESS THAN 2# |
| PULL #5 | 2.36 | 2.41 | 2.48 | |
| TOTAL | 12.06 | 12.20 | 12.50 | |
| AVG. | 2.412 | 2.44 | 2.5 | |

| | 3.00# INITIAL | 3.00# AFTER 20 CYCLES | | COMMENTS |
|---|---|---|---|---|
| PULL #1 | 3.59 | 3.30 | | |
| PULL #2 | 3.30 | 3.38 | | |
| PULL #3 | 3.40 | 3.41 | | |
| PULL #4 | 3.33 | 3.40 | | |
| PULL #5 | 3.33 | 3.41 | | |
| TOTAL | 16.95 | 16.90 | | |
| AVG. | 3.39 | 3.38 | | |

| | 4.00# INITIAL | 4.00# AFTER 20 CYCLES | MAX SETTING GREATER THAN 4# | RESET TO 4# FOR TARGET & ACCURACY |
|---|---|---|---|---|
| PULL #1 | 4.29 | 4.37 | | |
| PULL #2 | 4.38 | 4.35 | | |
| PULL #3 | 4.28 | 4.37 | | |
| PULL #4 | 4.36 | 4.38 | | |
| PULL #5 | 4.37 | 4.36 | | |
| TOTAL | 21.67 | 21.83 | | |
| AVG. | 4.334 | 4.366 | | |


Remington
DUPONT
REG. U.S. PAT. & TM. OFF.
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.
MODEL 700TM M24
SERIAL NO.
C6225530
ORDER NO.
5716
01
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off. Marca Registrada Marque Deposee.
5716 C6225530
UPC
0 47700 25716 7

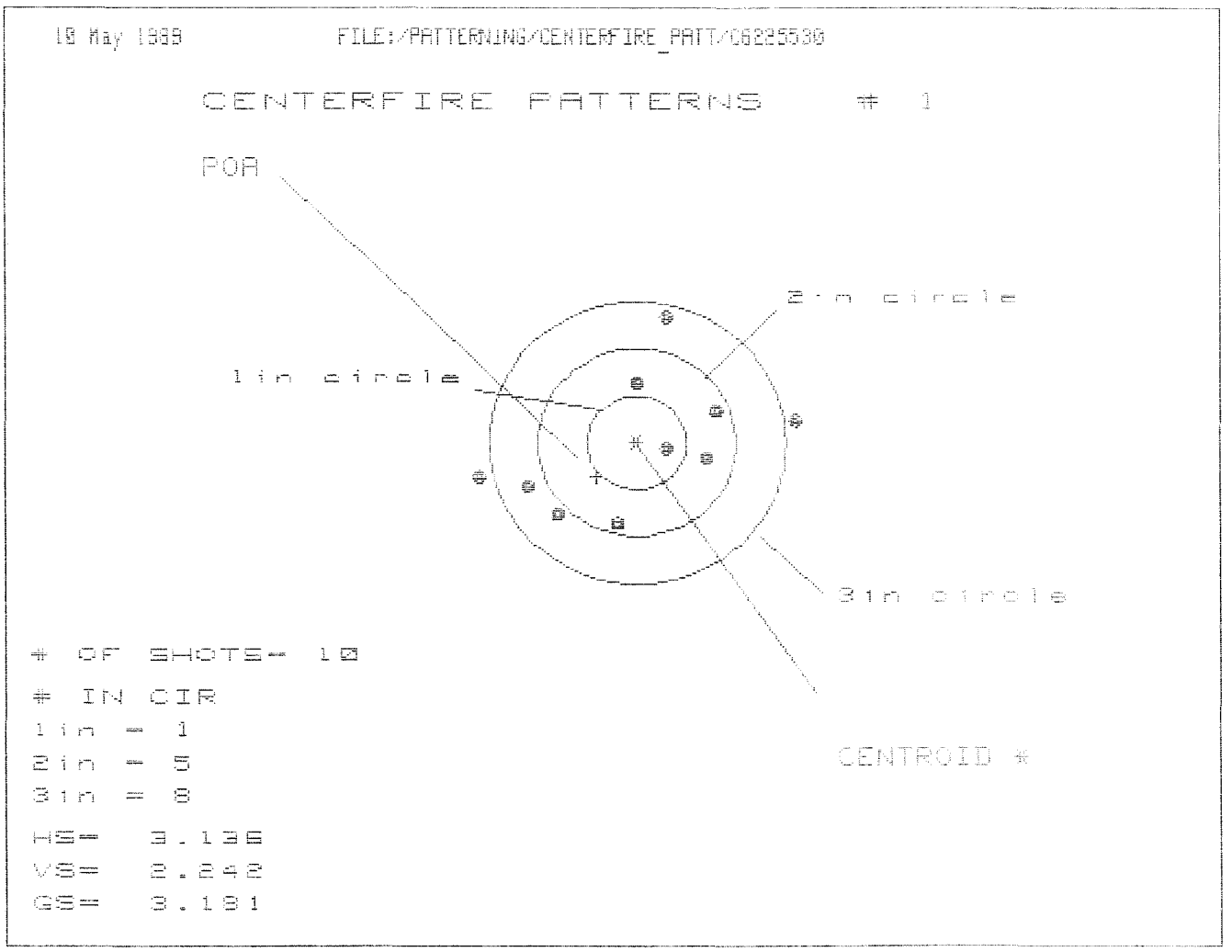
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225530
10 May 1989

CENTROIDAL DISTANCES

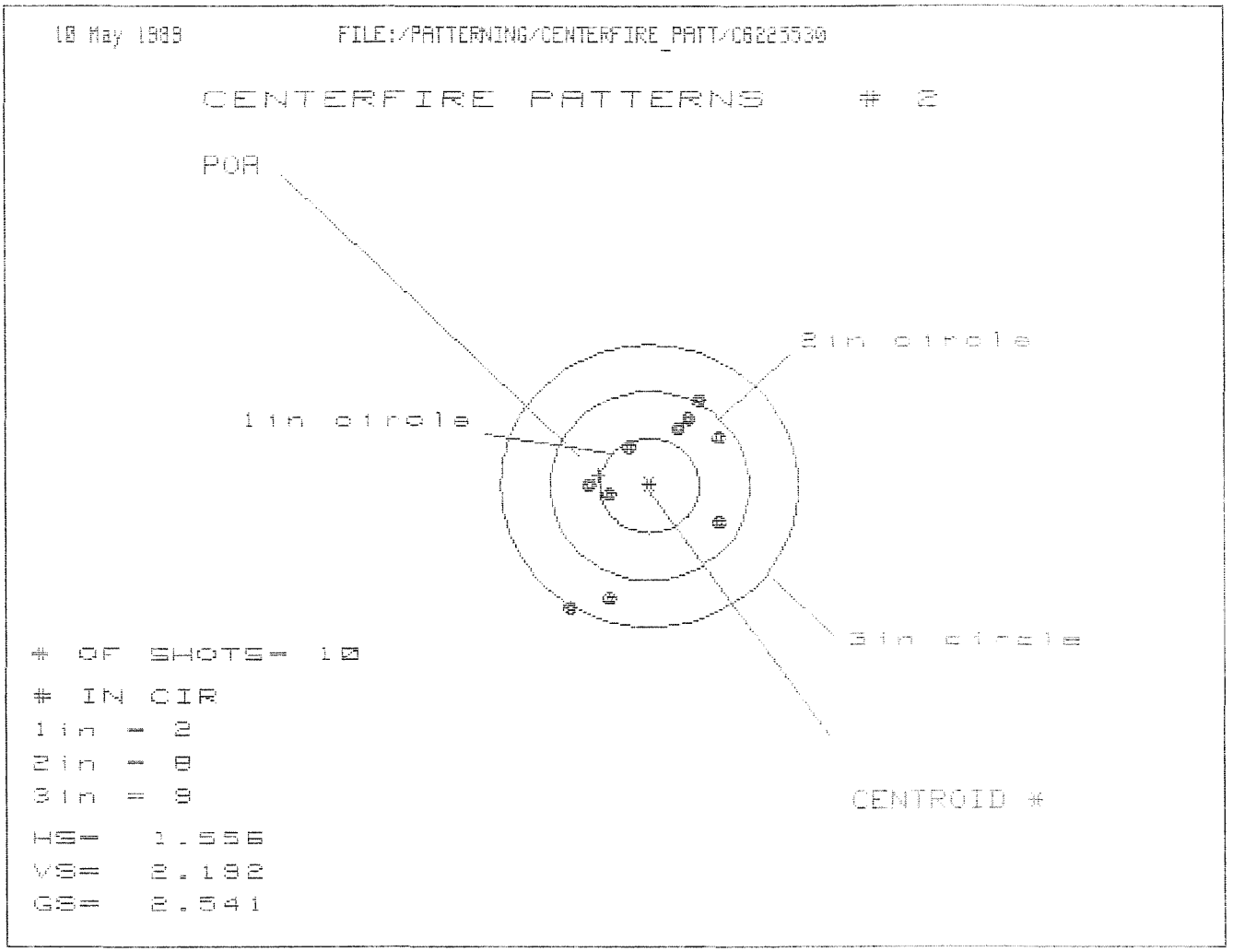
| | | | |
|---|---|---|---|
| 0 | TO | 1 | .538889 |
| 1 | TO | 2 | .479634 |
| 1 | TO | 3 | .682062 |
| 1 | TO | 4 | .527087 |
| 1 | TO | 5 | .472382 |


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2918
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0296
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .293297

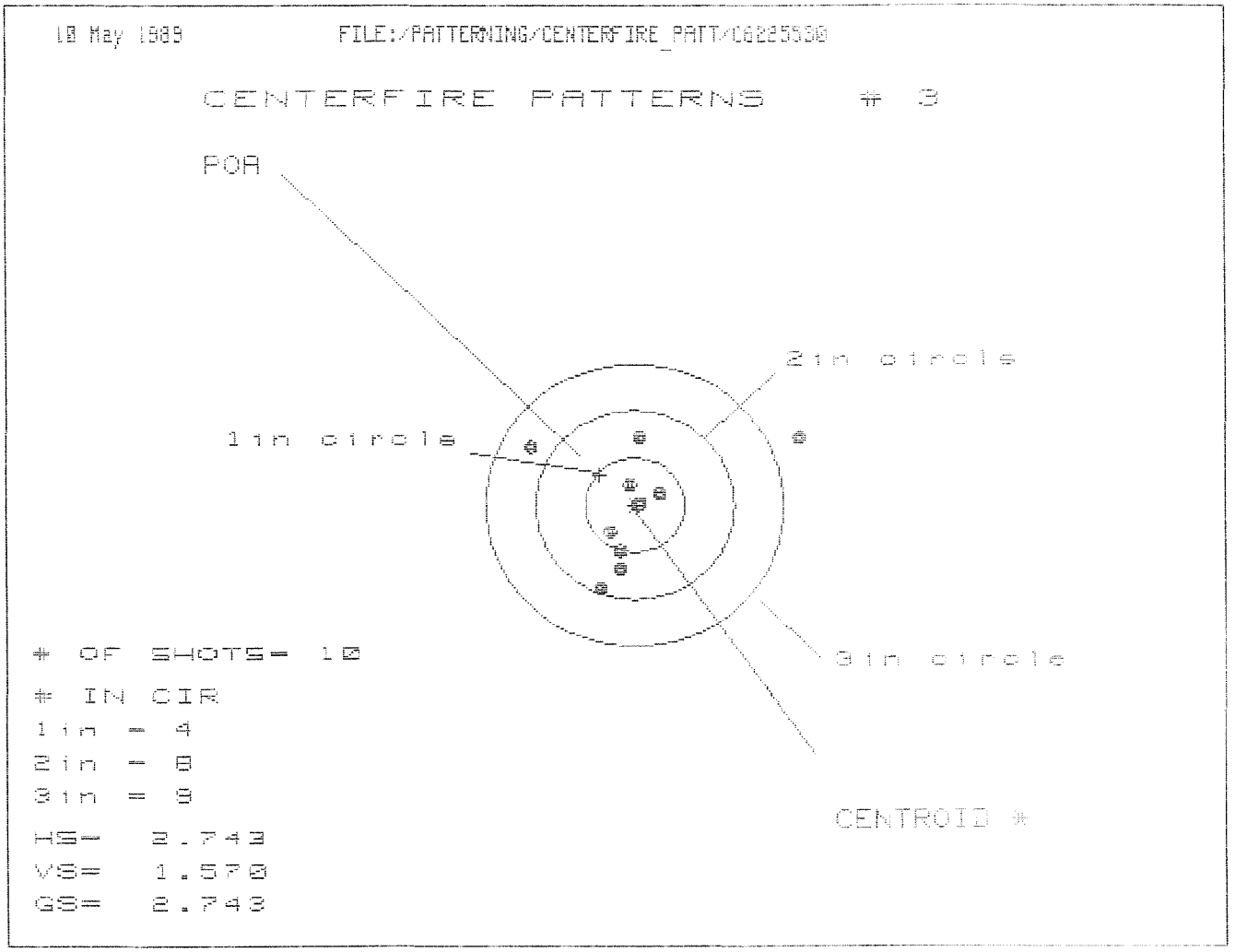
THE AMR FOR THIS RIFLE IS: .9098



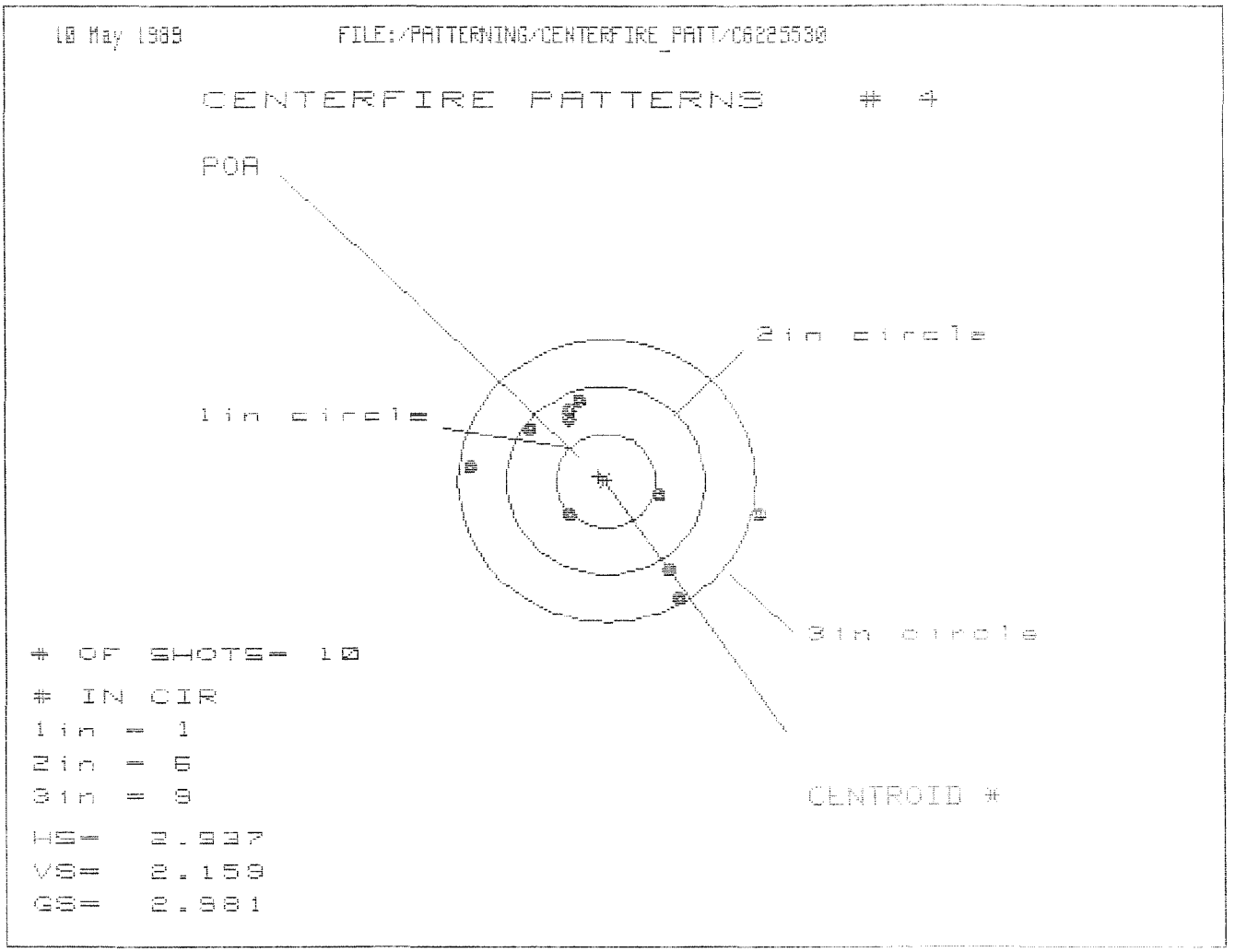

| PATTERN # | : | 6 | | |
|---|---|---|---|---|
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.573 | 1.399 | .778 |
| MINIMUM X | : | -1.563 | -1.284 | -1.109 |
| MAXIMUM Y | : | 1.371 | 1.335 | 1.357 |
| MINIMUM Y | : | -.871 | -.907 | -.885 |
| CENTROID X | : | .401 | .575 | .400 |
| CENTROID Y | : | .360 | .396 | .374 |
| POA TO CENTROID in. | : | .539 | .698 | .548 |
| MIN RADIUS | : | .280 | .118 | .282 |
| MEAN RADIUS | : | 1.023 | .922 | .881 |
| MAX RADIUS | : | 1.597 | 1.410 | 1.390 |
| HORIZONTAL SPREAD | : | 3.136 | 2.683 | 1.887 |
| VERTICAL SPREAD | : | 2.242 | 2.242 | 2.242 |
| EXTREME SPREAD | : | 3.181 | 2.756 | 2.421 |
| NUMBER IN ONE INCH CIRCLE | = | | 1 | |
| NUMBER IN TWO INCH CIRCLE | = | | 5 | |
| NUMBER IN THREE INCH CIRCLE | = | | 8 | |



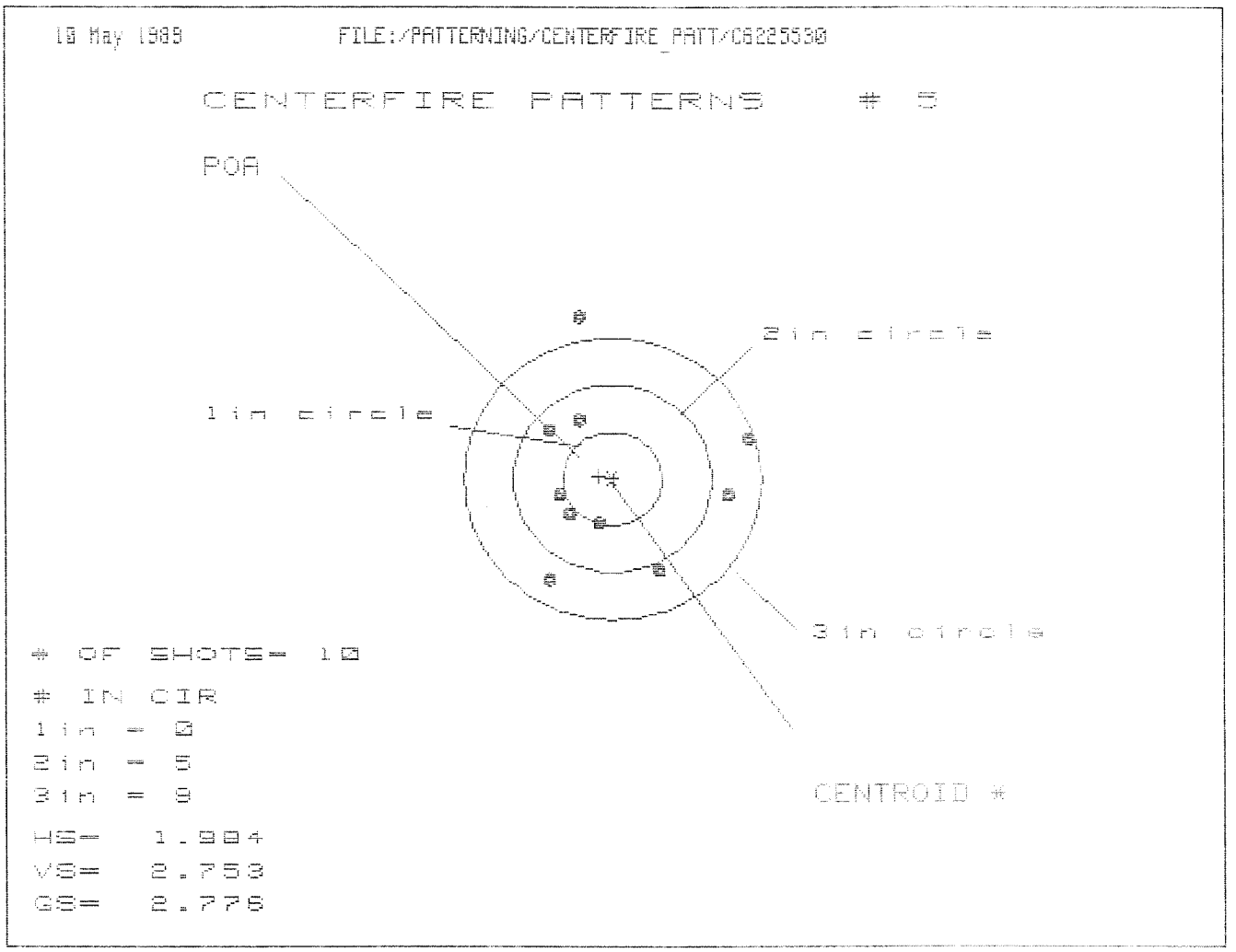

| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 2 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | .723 | .630 | .565 |
| MINIMUM X | : | -.833 | -.734 | -.799 |
| MAXIMUM Y | : | .872 | .725 | .558 |
| MINIMUM Y | : | -1.320 | -1.332 | -.709 |
| CENTROID X | : | .506 | .599 | .664 |
| CENTROID Y | : | -.108 | .039 | .206 |
| POA TO CENTROID in. | : | .517 | .600 | .696 |
| MIN RADIUS | : | .455 | .419 | .296 |
| MEAN RADIUS | : | .854 | .744 | .616 |
| MAX RADIUS | : | 1.561 | 1.432 | .906 |
| HORIZONTAL SPREAD | : | 1.556 | 1.364 | 1.364 |
| VERTICAL SPREAD | : | 2.192 | 2.057 | 1.267 |
| EXTREME SPREAD | : | 2.541 | 2.240 | 1.429 |
| NUMBER IN ONE INCH CIRCLE | = | | 2 | |
| NUMBER IN TWO INCH CIRCLE | = | | 8 | |
| NUMBER IN THREE INCH CIRCLE | = | | 9 | |




| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 3 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.673 | .479 | .369 |
| MINIMUM X | : | -1.070 | -.885 | -.230 |
| MAXIMUM Y | : | .728 | .802 | .889 |
| MINIMUM Y | : | -.842 | -.768 | -.681 |
| CENTROID X | : | .348 | .163 | .273 |
| CENTROID Y | : | -.320 | -.394 | -.481 |
| POA TO CENTROID in. | : | .473 | .426 | .553 |
| MIN RADIUS | : | .007 | .199 | .173 |
| MEAN RADIUS | : | .681 | .556 | .460 |
| MAX RADIUS | : | 1.803 | 1.126 | .897 |
| HORIZONTAL SPREAD | : | 2.743 | 1.364 | .599 |
| VERTICAL SPREAD | : | 1.570 | 1.570 | 1.570 |
| EXTREME SPREAD | : | 2.743 | 1.652 | 1.607 |
| NUMBER IN ONE INCH CIRCLE | = | | 4 | |
| NUMBER IN TWO INCH CIRCLE | = | | 8 | |
| NUMBER IN THREE INCH CIRCLE | = | | 9 | |




| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 4 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.532 | .910 | .922 |
| MINIMUM X | : | -1.405 | -1.234 | -1.121 |
| MAXIMUM Y | : | .897 | .861 | .698 |
| MINIMUM Y | : | -1.262 | -1.298 | -1.197 |
| CENTROID X | : | .071 | -.100 | -.213 |
| CENTROID Y | : | -.051 | -.015 | .148 |
| POA TO CENTROID in. | : | .087 | .101 | .259 |
| MIN RADIUS | : | .452 | .385 | .472 |
| MEAN RADIUS | : | 1.012 | .924 | .797 |
| MAX RADIUS | : | 1.567 | 1.585 | 1.511 |
| HORIZONTAL SPREAD | : | 2.937 | 2.144 | 2.043 |
| VERTICAL SPREAD | : | 2.159 | 2.159 | 1.895 |
| EXTREME SPREAD | : | 2.981 | 2.587 | 2.361 |
| NUMBER IN ONE INCH CIRCLE | = | | 1 | |
| NUMBER IN TWO INCH CIRCLE | = | | 6 | |
| NUMBER IN THREE INCH CIRCLE | = | | 9 | |




| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 5 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.340 | 1.299 | 1.246 |
| MINIMUM X | : | -.644 | -.685 | -.522 |
| MAXIMUM Y | : | 1.685 | .858 | .935 |
| MINIMUM Y | : | -1.068 | -.880 | -.803 |
| CENTROID X | : | .133 | .174 | .011 |
| CENTROID Y | : | -.029 | -.216 | -.298 |
| POA TO CENTROID in. | : | .136 | .277 | .298 |
| MIN RADIUS | : | .512 | .360 | .256 |
| MEAN RADIUS | : | .979 | .871 | .749 |
| MAX RADIUS | : | 1.725 | 1.439 | 1.247 |
| HORIZONTAL SPREAD | : | 1.984 | 1.984 | 1.768 |
| VERTICAL SPREAD | : | 2.753 | 1.738 | 1.738 |
| EXTREME SPREAD | : | 2.776 | 2.468 | 1.942 |
| NUMBER IN ONE INCH CIRCLE | = | | 0 | |
| NUMBER IN TWO INCH CIRCLE | = | | 5 | |
| NUMBER IN THREE INCH CIRCLE | = | | 9 | |

RECEIVING BARBER M24 0001282 RT

COMMENTS: M-24 SNIPER W/10X-M3A SCOPE

ORDER: R 95-14841

| INITIAL | CUSTOMER ORDER NO. |
|---|---|
| JJM | |

| DATE RECEIVED | DATE OPENED | DATE CODE | SERIAL NUMBER | NEW SERIAL NUMBER | MODEL AND GRADE |
|---|---|---|---|---|---|
| 05/16/95 | 05/17/95 | CJ 4-89 | C6225530 | | 700 7.62 NATO |

ACCESSORIES: HARD CASE SCOPE BASE W/STUDS

FROM:
TRANSPORTATION OFFICE
FT CAMPBELL KY 42223

SHIP TO:
TRANSPORTATION OFFICE
FT CAMPBELL KY
42223

CUST NO: 087942 C.O.D

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

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. | New | B4 Barrel | | D1 | E3 | F3 |
| REC. ASSY. | | B5 | | D2 | E4 | F4 |
| WOOD | | | C1 | D3 | E5 | F5 |
| METAL | | | C2 | | | |

MAIN FAULT: Barrel Shot Out

PARTS: Barrel — 96003

COMMENTS: Refinisher Coat Trigger Guard Assy, Front & Rear Sight Bases. Re Zinc, Scope Base, Rings & Swivel Studs

| REPAIRMAN | PROOF | CLEAN | TEST | TARGET | PATTERN |
|---|---|---|---|---|---|
| RW | ✓ | ✓ | ✓ | ✓ | |
| **GALLERY TESTER** | **DATE** | **DATE** | **DATE** | **DATE** | **DATE** |
| RW | 5/30/95 | 6/16/95 | 6/19/95 | 6/19/95 | |

OFFICE COPY

RD6925 REV. 1/94

SWS/Repair

# Final Inspection

Sn: CL6725530 | DATE REC'D: 5/16/95 | DATE RET'D:

Auditor: RW

Item:

Barrel Assy.
- ✓ Barrel
- ✓ Receiver
- ✓ Front Sight Block
- ✓ Rear Sight Block
- ✓ Screws
- ✓ Finish

Scope Assy.
- ✓ Scope
- ✓ Scope Rings
- ✓ Mounting Screws
- ✓ Mounting Base
- ✓ Screws
- ✓ Finish
- ✓ Looseness
- ✓ Clarity

Misc.
- ___ DD-250
- ___ Bar Code
- ___ Packaging

Item:

Stock Assy.
- ✓ Stock
- ✓ Sling Swivel Studs
- ✓ Adjustable Butt Plate
- ✓ Lock Nuts
- ✓ Barrel Clearance
- ✓ Color/Finish

Systems Case
- ✓ Scope Case
- ✓ Iron Sights
- ___ Deployment Kit

Trigger
- ✓ Safety Operation
- ✓ Set
- ___

Comments: _____

M-24

New Barrel

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225530

| OP. # | OP. NAME | READINGS | DATE | INITIAL |
|---|---|---|---|---|
| 575 & 580 | Assemble Action and Stock | | 5/30/95 | RW |
| 600 | Proof | | 5/30/95 | RW |
| 607 | Check Headspace | | 5/30/95 | RW |
| 610 | Dis-assemble Gun | | 5/30/95 | RW |
| 612 | 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 | | 6/16/95 | RW |
| | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head | | 6/16/95 | RW |
| | C) Inspect Ejector Hole for Chamfer | | 6/16/95 | RW |
| | D) Oil Firing Pin Ass'y | | 6/16/95 | RW |
| | E) Adjust Trigger Pull to Min Setting and Stake | | | |

| op. # | OP. NAME | READINGS | DATE | INIT |
|---|---|---|---|---|
| 625 cont. | F) Safety On Force | | | |
| | G) Safety Off Force | | | |
| | H) Trigger Pull Test & Retainability | | | |
| | I) Firing Pin Indent | | | |
| | 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 | | 6/19/95 | Rw |
| | A) Time | | | |
| | B) Malfunctions | | | |
| | C) Pierced Primers | | | |
| | D) Optical Clearity of Scope | | | |
| 645 | Inspect for Live Ammo | | 6/19/95 | Rw |
| 655 | Final Inspection<br>A) Headspace | | 6/20/95 | Rw |
| | B) Trigger Pull | | 6/20/95 | Rw |
| | C) Function | | 6/20/95 | Rw |
| 660 | Pack | | | |

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225530 .
11 Jul 1995

## CENTROIDAL DISTANCES

| | | | |
|---|---|---|---|
| 0 | TO | 1 | .161484 |
| 1 | TO | 2 | .378021 |
| 1 | TO | 3 | .107079 |
| 1 | TO | 4 | .274729 |
| 1 | TO | 5 | .381602 |

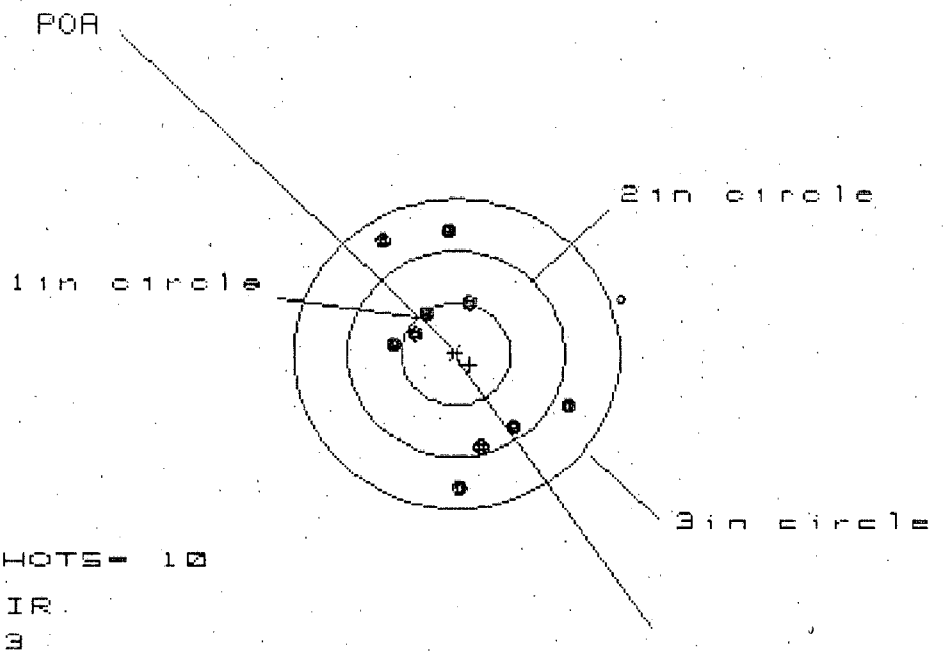
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0818
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0552
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0986827

THE AMR FOR THIS RIFLE IS: 1.053

11 Jul 1995 FILE:/PATTERNING/CENTERFIRE_PATT/C6225530

CENTERFIRE PATTERNS # 1

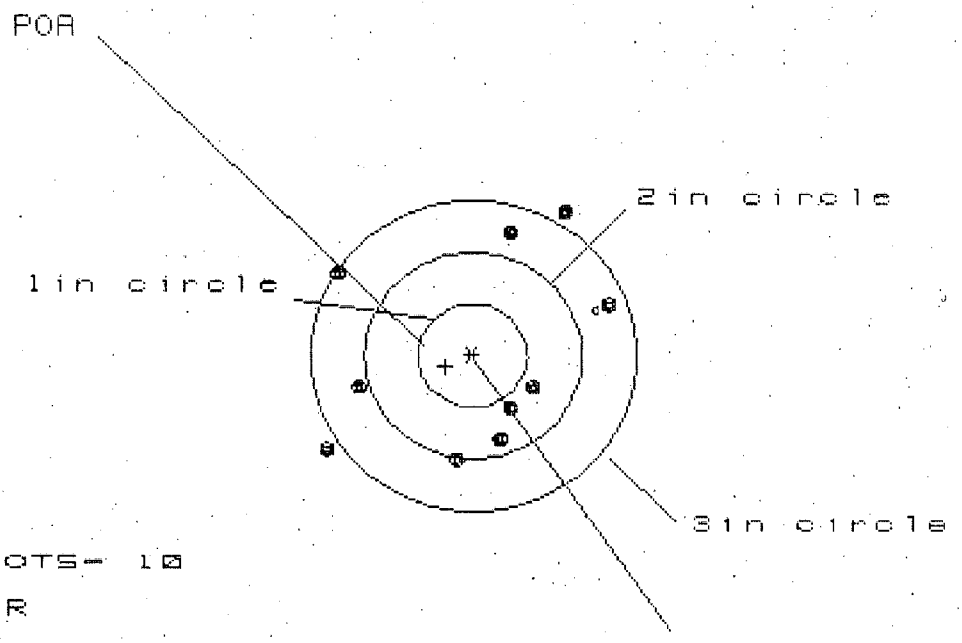



# OF SHOTS= 10
# IN CIR
1in = 3
2in = 6
3in = 10
HS= 1.749
VS= 2.529
GS= 2.547

| PATTERN # | : | 15 | | |
|---|---|---|---|---|
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.050 | .972 | .966 |
| MINIMUM X | : | -.699 | -.604 | -.610 |
| MAXIMUM Y | : | 1.214 | 1.339 | 1.190 |
| MINIMUM Y | : | -1.315 | -1.190 | -.951 |
| CENTROID X | : | -.126 | -.048 | -.042 |
| CENTROID Y | : | .101 | -.024 | .125 |
| POA TO CENTROID in. | : | .161 | .054 | .131 |
| MIN RADIUS | : | .435 | .562 | .442 |
| MEAN RADIUS | : | .877 | .836 | .772 |
| MAX RADIUS | : | 1.325 | 1.345 | 1.198 |
| HORIZONTAL SPREAD | : | 1.749 | 1.576 | 1.576 |
| VERTICAL SPREAD | : | 2.529 | 2.529 | 2.141 |
| EXTREME SPREAD | : | 2.547 | 2.530 | 2.155 |
| NUMBER IN ONE INCH CIRCLE | = | | 3 | |
| NUMBER IN TWO INCH CIRCLE | = | | 6 | |
| NUMBER IN THREE INCH CIRCLE | = | | 10 | |

11 Jul 1995 FILE:/PATTERNING/CENTERFIRE_PATT/C6225530

# CENTERFIRE PATTERNS # 2




# OF SHOTS= 10

# IN CIR
1in = 0
2in = 3
3in = 8

HS= 2.599
VS= 2.389
GS= 3.180

| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 2 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.283 | 1.137 | 1.228 |
| MINIMUM X | : | -1.316 | -1.369 | -1.278 |
| MAXIMUM Y | : | 1.364 | 1.259 | 1.281 |
| MINIMUM Y | : | -1.025 | -1.130 | -.972 |
| CENTROID X | : | .252 | .398 | .307 |
| CENTROID Y | : | .105 | .210 | .052 |
| POA TO CENTROID in. | : | .273 | .450 | .312 |
| MIN RADIUS | : | .622 | .568 | .549 |
| MEAN RADIUS | : | 1.161 | 1.103 | 1.030 |
| MAX RADIUS | : | 1.620 | 1.521 | 1.518 |
| HORIZONTAL SPREAD | : | 2.599 | 2.506 | 2.506 |
| VERTICAL SPREAD | : | 2.389 | 2.389 | 2.253 |
| EXTREME SPREAD | : | 3.180 | 2.593 | 2.516 |
| NUMBER IN ONE INCH CIRCLE | = | | 0 | |
| NUMBER IN TWO INCH CIRCLE | = | | 3 | |
| NUMBER IN THREE INCH CIRCLE | = | | 8 | |

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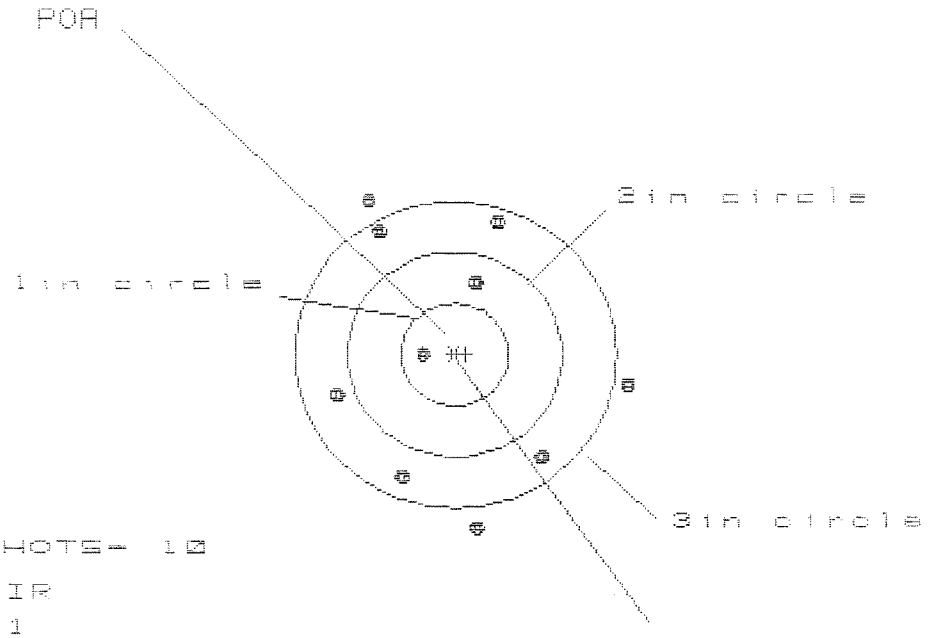
CENTERFIRE PATTERNS # 3




# OF SHOTS= 10

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

HS= 2.709
VS= 3.234
GS= 3.370

PATTERN # : 3

| | | | |
|---|---|---|---|
| SHOTS (BEST OF) : | 10 | 9 | 8 |
| MAXIMUM X : | 1.633 | 1.654 | 1.563 |
| MINIMUM X : | -1.076 | -1.055 | -1.146 |
| MAXIMUM Y : | 1.518 | 1.328 | 1.292 |
| MINIMUM Y : | -1.716 | -1.420 | -1.254 |
| CENTROID X : | -.105 | -.126 | -.035 |
| CENTROID Y : | -.004 | .186 | .020 |
| POA TO CENTROID in.: | .105 | .225 | .040 |
| MIN RADIUS : | .298 | .336 | .369 |
| MEAN RADIUS : | 1.263 | 1.190 | 1.156 |
| MAX RADIUS : | 1.726 | 1.738 | 1.605 |
| HORIZONTAL SPREAD : | 2.709 | 2.709 | 2.709 |
| VERTICAL SPREAD : | 3.234 | 2.748 | 2.546 |
| EXTREME SPREAD : | 3.370 | 3.026 | 2.779 |

NUMBER IN ONE INCH CIRCLE = 1
NUMBER IN TWO INCH CIRCLE = 2
NUMBER IN THREE INCH CIRCLE = 7

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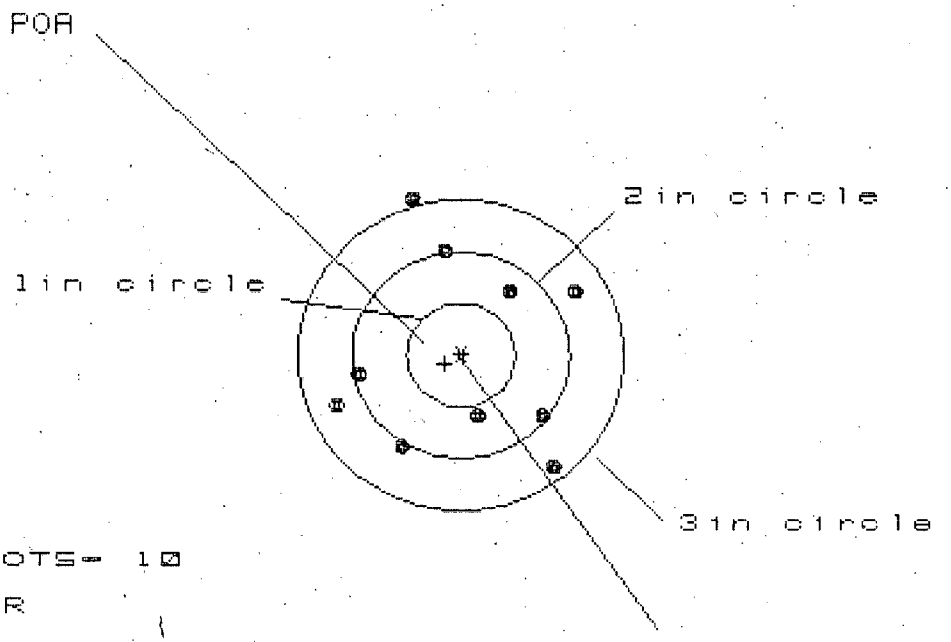
CENTERFIRE PATTERNS # 4

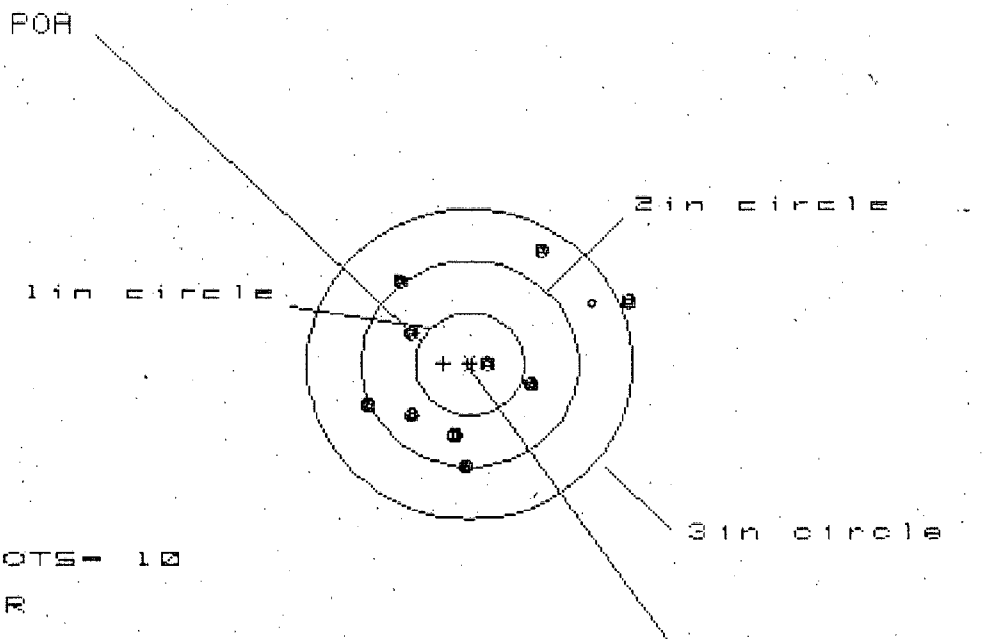



# OF SHOTS= 10
# IN CIR
1in = 0
2in = 5
3in = 9
HS= 2.253
VS= 2.640
GS= 2.964

| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 4 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.079 | 1.025 | 1.125 |
| MINIMUM X | : | -1.174 | -1.228 | -1.128 |
| MAXIMUM Y | : | 1.536 | 1.161 | 1.044 |
| MINIMUM Y | : | -1.104 | -.934 | -.818 |
| CENTROID X | : | .148 | .202 | .102 |
| CENTROID Y | : | .081 | -.089 | .028 |
| POA TO CENTROID in. | : | .169 | .221 | .105 |
| MIN RADIUS | : | .643 | .464 | .604 |
| MEAN RADIUS | : | 1.094 | 1.016 | .988 |
| MAX RADIUS | : | 1.611 | 1.318 | 1.332 |
| HORIZONTAL SPREAD | : | 2.253 | 2.253 | 2.253 |
| VERTICAL SPREAD | : | 2.640 | 2.095 | 1.862 |
| EXTREME SPREAD | : | 2.964 | 2.514 | 2.514 |
| NUMBER IN ONE INCH CIRCLE | = | | 0 | |
| NUMBER IN TWO INCH CIRCLE | = | | 5 | |
| NUMBER IN THREE INCH CIRCLE | = | | 9 | |

11 Jul 1995 FILE:/PATTERNING/CENTERFIRE_PATT/C6225530

CENTERFIRE PATTERNS # 5




# OF SHOTS= 10

# IN CIR
1in = 1
2in = 7
3in = 9

HS= 2.346
VS= 2.016
GS= 2.533

PATTERN # : 5

| | | | |
|---|---|---|---|
| SHOTS (BEST OF) : | 10 | 9 | 8 |
| MAXIMUM X : | 1.434 | .781 | .849 |
| MINIMUM X : | -.912 | -.753 | -.655 |
| MAXIMUM Y : | 1.068 | 1.130 | 1.050 |
| MINIMUM Y : | -.948 | -.886 | -.744 |
| CENTROID X : | .240 | .081 | -.017 |
| CENTROID Y : | -.007 | -.069 | -.211 |
| POA TO CENTROID in.: | .240 | .107 | .211 |
| MIN RADIUS : | .208 | .367 | .448 |
| MEAN RADIUS : | .868 | .777 | .678 |
| MAX RADIUS : | 1.541 | 1.374 | 1.115 |
| HORIZONTAL SPREAD : | 2.346 | 1.534 | 1.504 |
| VERTICAL SPREAD : | 2.016 | 2.016 | 1.794 |
| EXTREME SPREAD : | 2.533 | 2.131 | 1.881 |
| NUMBER IN ONE INCH CIRCLE = | | 1 | |
| NUMBER IN TWO INCH CIRCLE = | | 7 | |
| NUMBER IN THREE INCH CIRCLE = | | 9 | |