C6225563

MODEL 700™ M24

Model SWS™

Action

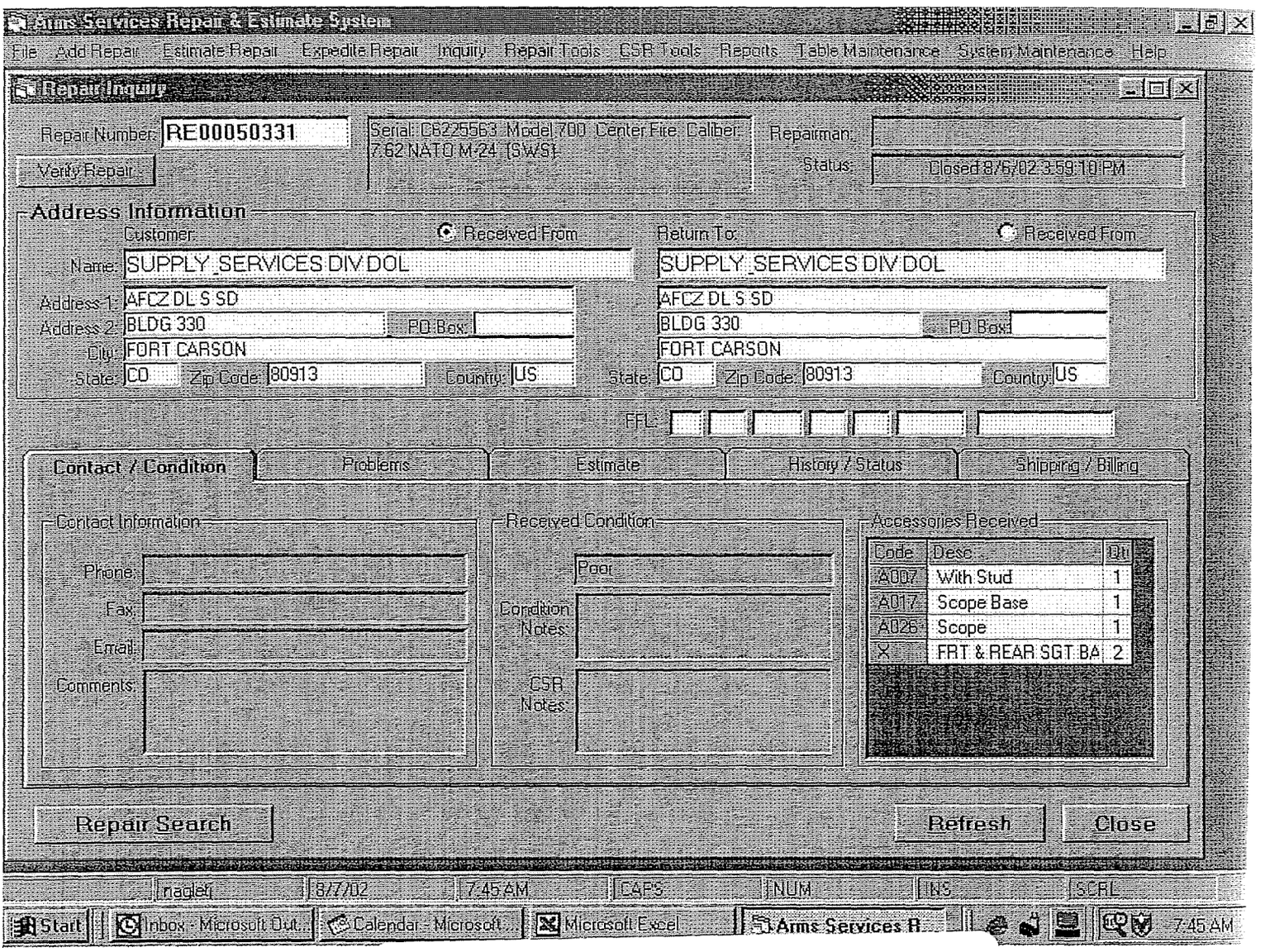
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington®




Serial Number: C6225563

Model: 700

RE00050331

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225563.__0
FILE DATE AND TIME: 08/22/2002 11:45

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

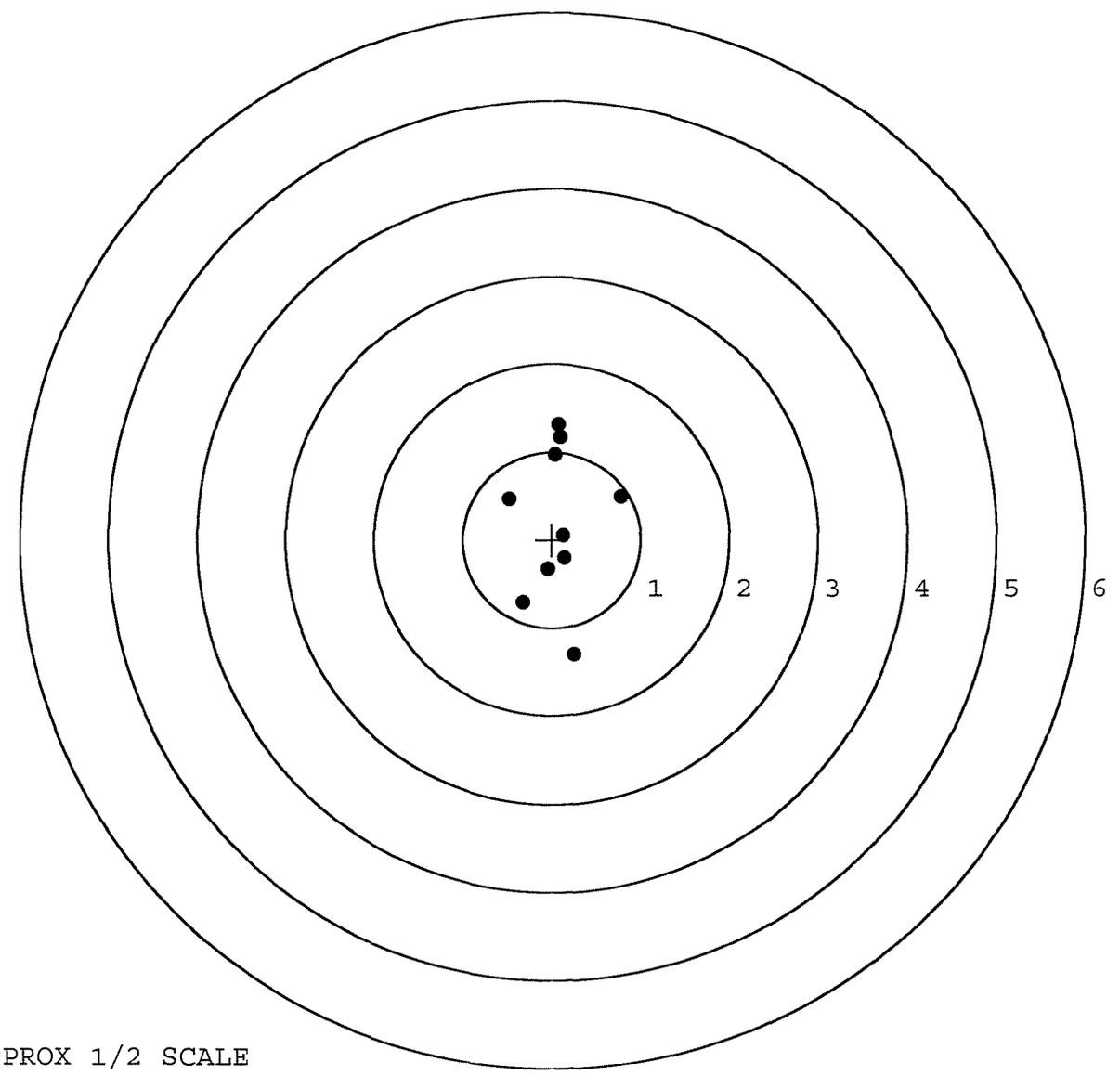
| | |
|---|---|
| The Average X Centroid of the Five Target Set: | 0.011 |
| The Average Y Centroid of the Five Target Set: | 0.007 |
| The Average Point of Impact of the Five Target Set: | 0.013 |
| The Average Mean Radius of the Five Target Set: | 0.583 |
| The Distance from POA to Centroid Target #1: | 0.199 |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.307 |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.181 |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.213 |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.271 |

**BARBER - M24 0051538**

SERIAL NUMBER: C6225563.__0
TARGET NUMBER: 1
FILE DATE: 08/22/2002
FILE TIME: 11:45

| | |
|---|---|
| X CENTROID: | 0.064 |
| Y CENTROID: | 0.188 |
| POA TO CENTROID: | 0.199 |
| HORZ SPREAD: | 1.262 |
| VERT SPREAD: | 2.612 |
| GROUP SPREAD: | 2.619 |
| MIN RADIUS: | 0.151 |
| MAX RADIUS: | 1.502 |
| MEAN RADIUS: | 0.786 |
| # IN 1 IN DIAMETER: | 2 |
| # IN 2 IN DIAMETER: | 8 |
| # in 3 IN DIAMETER: | 9 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.260 | -1.301 |
| 2: | -0.332 | -0.717 |
| 3: | 0.778 | 0.487 |
| 4: | -0.484 | 0.462 |
| 5: | 0.067 | 1.311 |
| 6: | 0.093 | 1.167 |
| 7: | 0.036 | 0.970 |
| 8: | 0.131 | 0.053 |
| 9: | 0.146 | -0.212 |
| 10: | -0.051 | -0.338 |



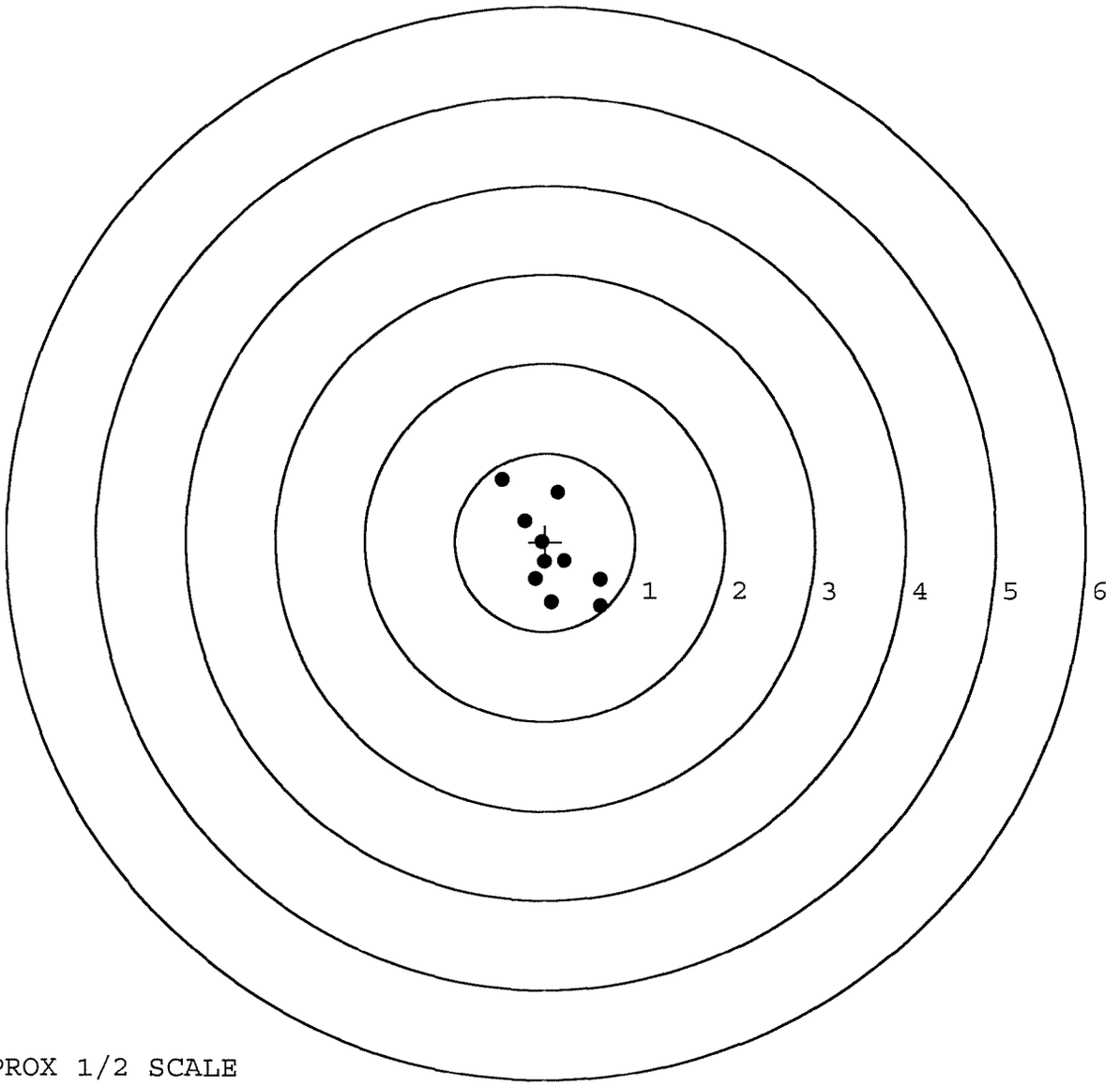

TARGET APPROX 1/2 SCALE

**BARBER - M24 0051539**

SERIAL NUMBER: C6225563.__0
TARGET NUMBER: 2
FILE DATE: 08/22/2002
FILE TIME: 11:45

| | |
|---|---|
| X CENTROID: | 0.075 |
| Y CENTROID: | -0.119 |
| POA TO CENTROID: | 0.140 |
| HORZ SPREAD: | 1.097 |
| VERT SPREAD: | 1.418 |
| GROUP SPREAD: | 1.793 |
| MIN RADIUS: | 0.137 |
| MAX RADIUS: | 0.986 |
| MEAN RADIUS: | 0.495 |
| # IN 1 IN DIAMETER: | 5 |
| # IN 2 IN DIAMETER: | 10 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.616 | -0.722 |
| 2: | 0.607 | -0.422 |
| 3: | 0.069 | -0.682 |
| 4: | 0.135 | 0.555 |
| 5: | -0.481 | 0.696 |
| 6: | -0.231 | 0.239 |
| 7: | -0.043 | 0.006 |
| 8: | 0.211 | -0.216 |
| 9: | -0.016 | -0.221 |
| 10: | -0.118 | -0.418 |



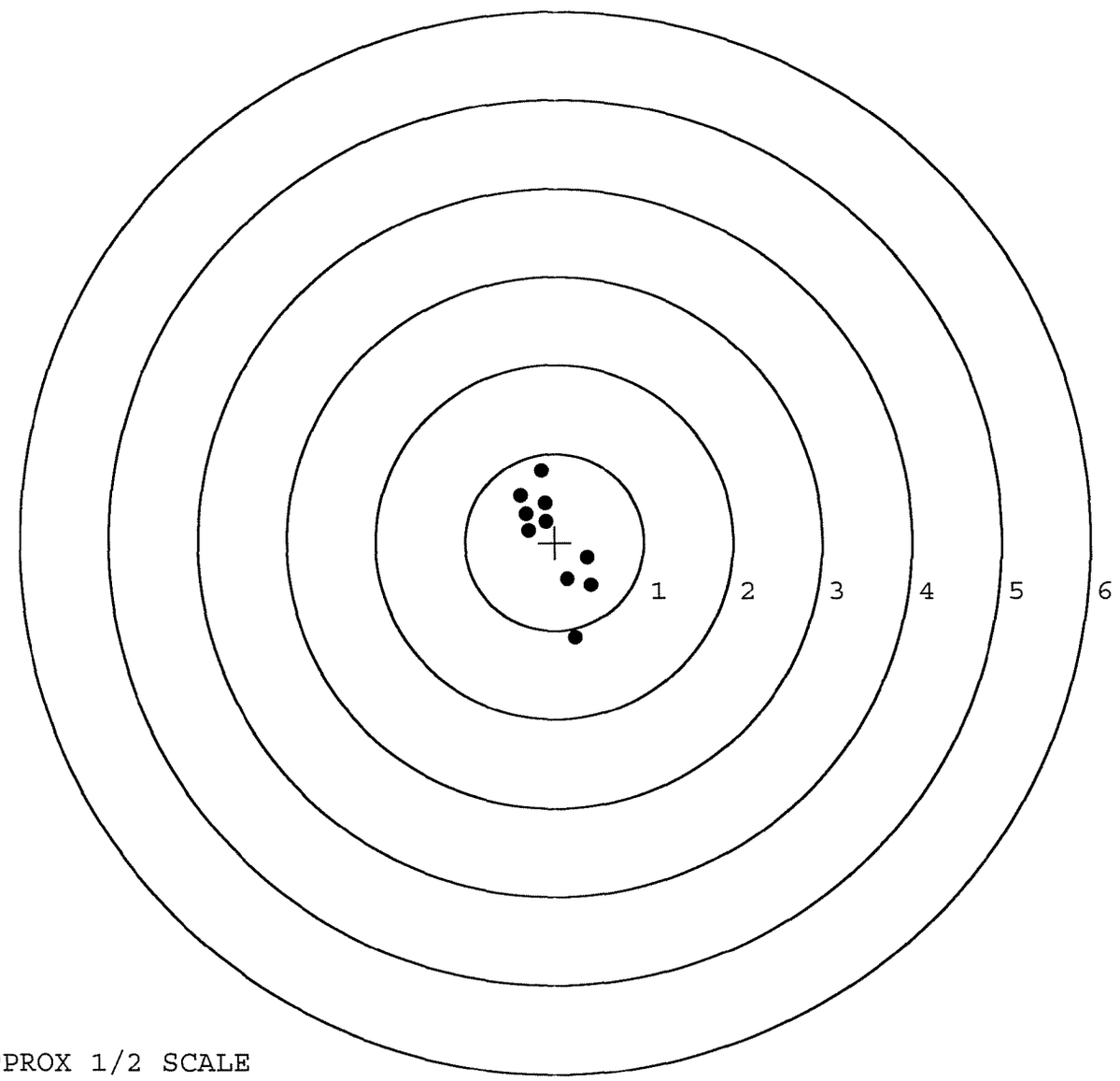

TARGET APPROX 1/2 SCALE

**BARBER - M24 0051540**

SERIAL NUMBER: C6225563.__0
TARGET NUMBER: 3
FILE DATE: 08/22/2002
FILE TIME: 11:45

| | |
|---|---|
| X CENTROID: | -0.021 |
| Y CENTROID: | 0.028 |
| POA TO CENTROID: | 0.036 |
| HORZ SPREAD: | 0.793 |
| VERT SPREAD: | 1.889 |
| GROUP SPREAD: | 1.930 |
| MIN RADIUS: | 0.221 |
| MAX RADIUS: | 1.143 |
| MEAN RADIUS: | 0.547 |
| # IN 1 IN DIAMETER: | 6 |
| # IN 2 IN DIAMETER: | 9 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.237 | -1.085 |
| 2: | -0.158 | 0.804 |
| 3: | 0.408 | -0.489 |
| 4: | 0.142 | -0.414 |
| 5: | 0.368 | -0.175 |
| 6: | -0.295 | 0.130 |
| 7: | -0.100 | 0.235 |
| 8: | -0.320 | 0.319 |
| 9: | -0.109 | 0.435 |
| 10: | -0.385 | 0.525 |



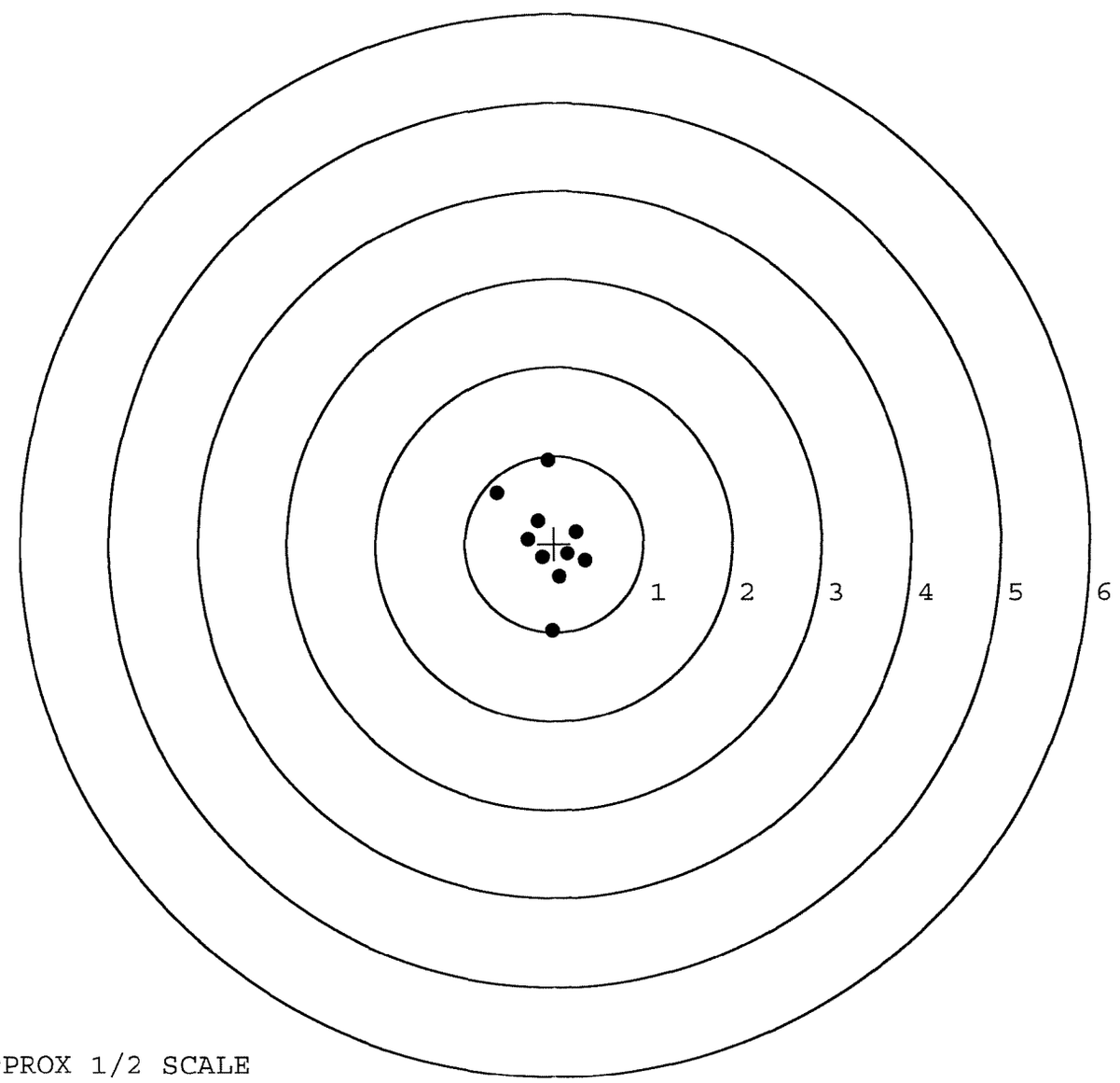

TARGET APPROX 1/2 SCALE

**BARBER - M24 0051541**

SERIAL NUMBER: C6225563.__0
TARGET NUMBER: 4
FILE DATE: 08/22/2002
FILE TIME: 11:45

| | |
|---|---|
| X CENTROID: | -0.058 |
| Y CENTROID: | 0.013 |
| POA TO CENTROID: | 0.059 |
| HORZ SPREAD: | 0.992 |
| VERT SPREAD: | 1.944 |
| GROUP SPREAD: | 1.944 |
| MIN RADIUS: | 0.190 |
| MAX RADIUS: | 1.004 |
| MEAN RADIUS: | 0.491 |
| # IN 1 IN DIAMETER: | 7 |
| # IN 2 IN DIAMETER: | 9 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | -0.030 | -0.991 |
| 2: | -0.074 | 0.953 |
| 3: | -0.642 | 0.577 |
| 4: | 0.242 | 0.136 |
| 5: | 0.350 | -0.191 |
| 6: | 0.056 | -0.380 |
| 7: | -0.137 | -0.160 |
| 8: | -0.304 | 0.052 |
| 9: | -0.190 | 0.254 |
| 10: | 0.153 | -0.120 |



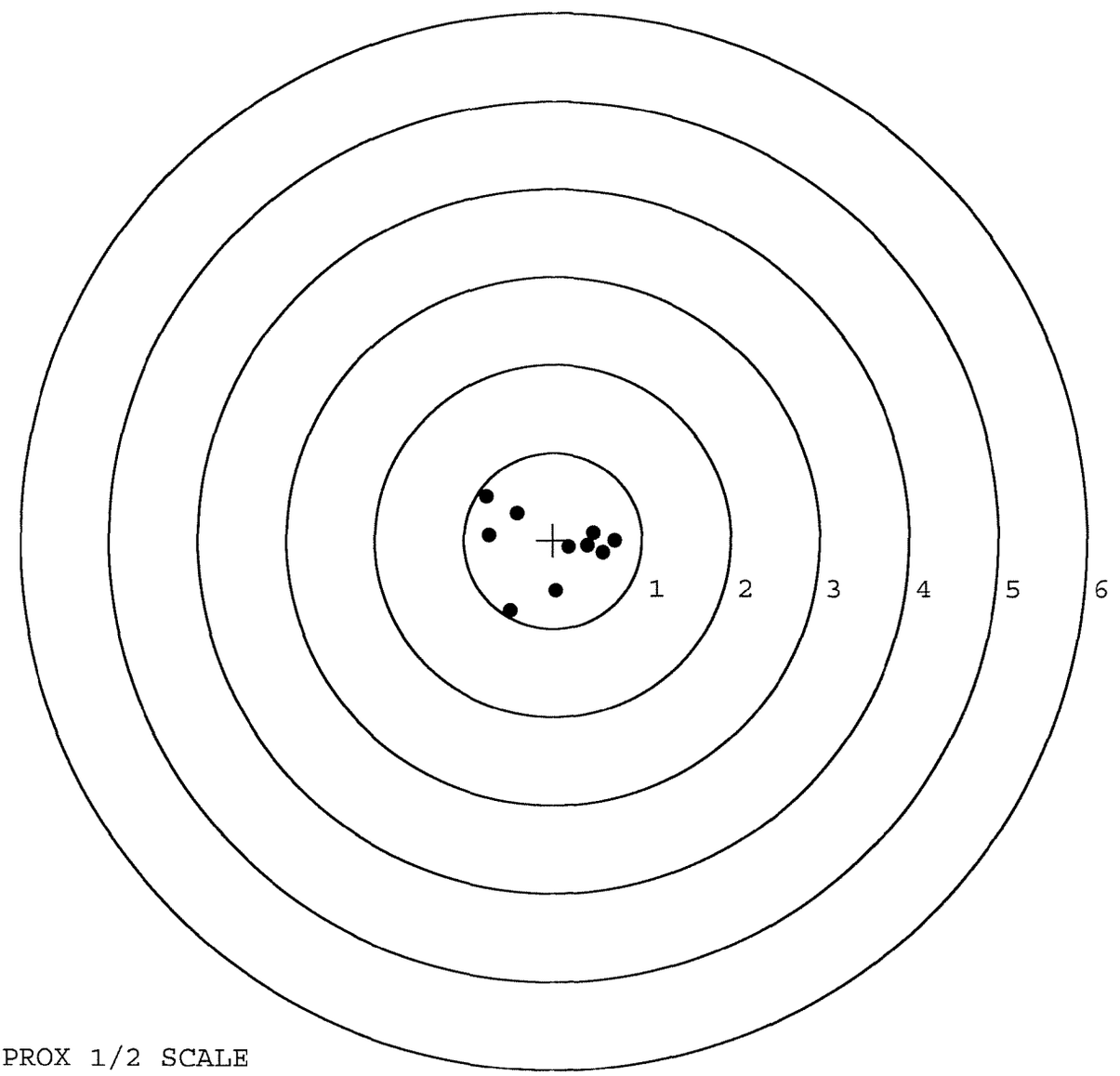

TARGET APPROX 1/2 SCALE

**BARBER - M24 0051542**

SERIAL NUMBER: C6225563.__0
TARGET NUMBER: 5
FILE DATE: 08/22/2002
FILE TIME: 11:45

| | |
|---|---|
| X CENTROID: | -0.004 |
| Y CENTROID: | -0.074 |
| POA TO CENTROID: | 0.074 |
| HORZ SPREAD: | 1.443 |
| VERT SPREAD: | 1.303 |
| GROUP SPREAD: | 1.531 |
| MIN RADIUS: | 0.182 |
| MAX RADIUS: | 0.937 |
| MEAN RADIUS: | 0.594 |
| # IN 1 IN DIAMETER: | 3 |
| # IN 2 IN DIAMETER: | 10 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.030 | -0.578 |
| 2: | -0.482 | -0.805 |
| 3: | -0.408 | 0.306 |
| 4: | -0.747 | 0.498 |
| 5: | -0.721 | 0.056 |
| 6: | 0.178 | -0.081 |
| 7: | 0.696 | -0.013 |
| 8: | 0.566 | -0.144 |
| 9: | 0.458 | 0.086 |
| 10: | 0.387 | -0.065 |




TARGET APPROX 1/2 SCALE

8157

**BARBER - M24 0051543**

# M-24 INSPECTION CHECKLIST
## CONTRACT #: DAAE-20-97-C-242

| | |
|---|---|
| R & E NUMBER | 5033 1 |
| SERIAL NUMBER | C622 5563 |
| LOG-IN DATE | 8/6/02 |

| INSPECT AND VERIFY: | | | |
|---|---|---|---|
| OPERATION # | OPERATION NAME | DATE | INITIAL |
| 550 | DIS-ASSEMBLE GUN | 8/8/02 | RL |
| 560 A | RE-BARREL | 8-8-02 | DA |
| B | DRILL AND TAP | 8-13-02 | A |
| 575 | ASSEMBLE | 8/13/02 | RL |
| 600 | PROOF | 8-13-02 | MAGNAFLUX INSPECTED AUG 14 2002 |
| 605 | CHECK HEADSPACE | 8/13/02 | RL |
| 610 | DIS-ASSEMBLE GUN | 8/13/02 | RL |
| 612 | MAGNAFLUX | | OPERATOR BR |
| 615 | ROLLMARK CALIBER | 8/14 | AB |
| 618 | ROTO-BLAST | 8/15 | CSO |
| 620 | APPLY COATINGS | 8-16 | TA |
| 625 A | FINAL ASSEMBLY | 8/20/02 | RL |
| B | TRIGGER PULL TEST | | |
| C | SAFETY "ON" FORCE | | |
| D | SAFETY "OFF" FORCE | | |
| E | FIRING PIN INDENT | | |
| 640 | TARGET | 8-21-02 | A |
| 655 | FINAL INSPECT | 8-22-02 | RW |
| 660 | PACK | 8-27-02 | DA |
| | | | |
| | | | |
| | | | |
| | | | |
| | | SHIP DATE | |
| | QAR INSPECTION DATE | | |

M-24

Scope 012-1

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225563

| 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 12 89 | | RW |
| 612 | Magnaflux Barrel Action | | 4/13/89 | KCR |
| | Magnaflux Bolt | | 4/14/89 | KCR |
| 615 | Rollmark Caliber | | 4/14/89 | LB |
| 617 | Drill and Tap Sight Holes | 4 14 89 | | LB |
| 618 | Polish Barrel RB | 4 14 89 | | BT |
| 620 | Apply Coatings (Barrel Action) | | 4-28-89 | KB |
| | 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 | | 5/5/89 | WB |

| op. # | OPERATION | READINGS | DATE | INIT |
|---|---|---|---|---|
| 625 cont. | F) Safety On Force | 7 \| 7 \| 7 | 5/8/89 | DH |
| | G) Safety Off Force | 3 \| 3 \| 3 | 5/8/89 | DH |
| | H) Trigger Pull Test & Retainability | | 5/5/89 | WB |
| | I) Firing Pin Indent | .020 \| .020 \| .020 | 5/8/89 | DH |
| | J) Assemble Stock | | 5/8/89 | RW |
| | K) Assemble Swivel Studs | | 16 May 89 | KSS |
| | L) Attach Front and Rear Sight Assemblies | | 5/8/89 | RW |
| | M) Iron Sight Alignment | | 5/8/89 | RW |
| | N) Detach Front & Rear Sights & place in numbered container | | 5/8/89 | RW |
| | O) Attach Scope to Rifle | | 5/8/89 | DH |
| | P) Detach & Attach Scope 20 Times | | 5/9/89 | DH |
| 640 | Gallery Target & Test | 86 R - 67L | 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 | | 16 May 89 | KSS |
| | B) Trigger Pull | 2.77 \| 2.80 \| 2.81 \| 2.76 \| 2.71 | 16 May 89 | KSS |
| | C) Function | | 16 May 89 | KSS |
| 660 | Pack | | 27 June 89 | KSS |

# SWS TRIGGER PULL TEST

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

SERIAL NO. 5563
DATE 3-22-90
TESTER J.E.

| | 2.50# INITIAL | 2.50# AFTER 50 CYCLES | FINAL TEST & TO RESET 2.50# | | COMMENTS |
|---|---|---|---|---|---|
| PULL #1 | 2.26 | 2.39 | 2.20 | | MIN. SETTING, |
| PULL #2 | 2.26 | 2.38 | 2.30 | | NO AVG. OF 5 |
| PULL #3 | 2.29 | 2.36 | 2.23 | | READINGS ACCEPT- |
| PULL #4 | 2.32 | 2.46 | 2.28 | | ABLE LESS THAN 2# |
| PULL #5 | 2.44 | 2.45 | 2.25 | | |
| TOTAL | 11.57 | 12.04 | 11.26 | | |
| AVG. | 2.314 | 2.408 | 2.252 | | |

| | 3.00# INITIAL | 3.00# AFTER 20 CYCLES | | COMMENTS |
|---|---|---|---|---|
| PULL #1 | 3.09 | 3.33 | | — |
| PULL #2 | 3.50 | 3.40 | | |
| PULL #3 | 3.48 | 3.42 | | |
| PULL #4 | 3.48 | 3.27 | | |
| PULL #5 | 3.44 | 3.45 | | |
| TOTAL | 16.49 | 16.87 | | |
| AVG. | 3.298 | 3.374 | | |

| | 4.00# INITIAL | 4.00# AFTER 20 CYCLES | MAX SETTING GREATER THAN 4# | RESET TO 4# FOR TARGET & ACCURACY |
|---|---|---|---|---|
| PULL #1 | 4.49 | 4.10 | | |
| PULL #2 | 4.50 | 4.28 | | |
| PULL #3 | 4.57 | 4.22 | | |
| PULL #4 | 4.41 | 4.36 | | |
| PULL #5 | 4.26 | 4.31 | | |
| TOTAL | 22.18 | 21.27 | | |
| AVG. | 4.436 | 4.254 | | |

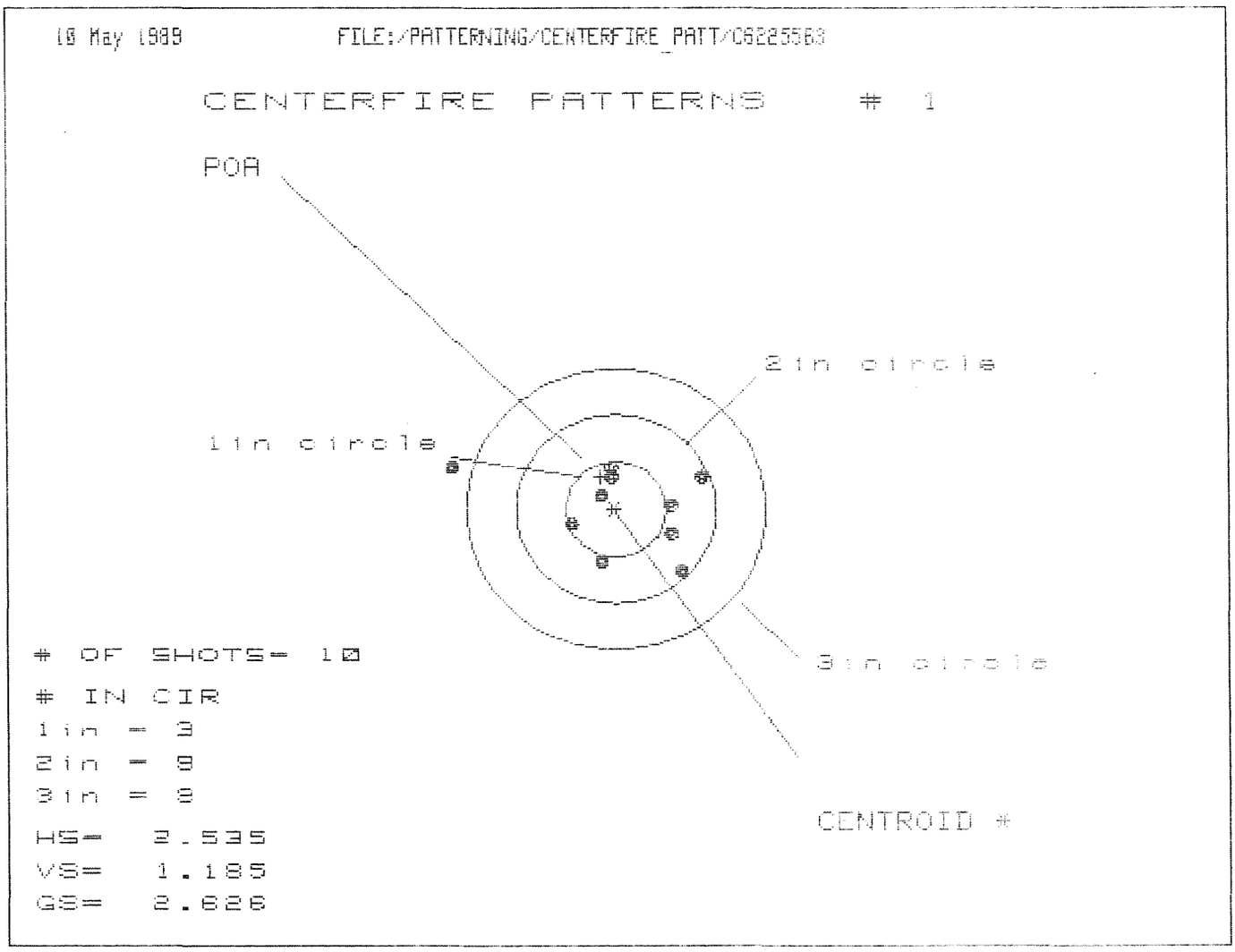
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225563
10 May 1989

CENTROIDAL DISTANCES

| | | | |
|---|---|---|---|
| 0 | TO | 1 | .372924 |
| 1 | TO | 2 | .600523 |
| 1 | TO | 3 | .537953 |
| 1 | TO | 4 | .663916 |
| 1 | TO | 5 | .259384 |


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .149
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0576
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .159746

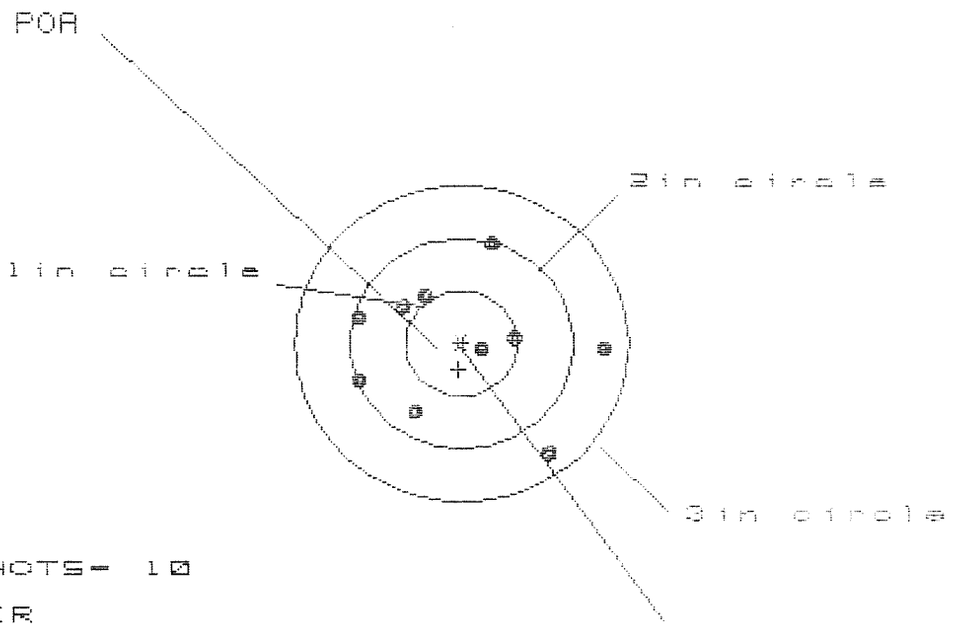
THE AMR FOR THIS RIFLE IS: .8032




| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 1 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | .843 | .655 | .713 |
| MINIMUM X | : | -1.692 | -.676 | -.618 |
| MAXIMUM Y | : | .481 | .515 | .434 |
| MINIMUM Y | : | -.704 | -.651 | -.627 |
| CENTROID X | : | .144 | .332 | .274 |
| CENTROID Y | : | -.344 | -.397 | -.316 |
| POA TO CENTROID in. | : | .373 | .518 | .418 |
| MIN RADIUS | : | .238 | .386 | .341 |
| MEAN RADIUS | : | .694 | .566 | .523 |
| MAX RADIUS | : | 1.759 | .799 | .765 |
| HORIZONTAL SPREAD | : | 2.535 | 1.331 | 1.331 |
| VERTICAL SPREAD | : | 1.185 | 1.166 | 1.061 |
| EXTREME SPREAD | : | 2.626 | 1.421 | 1.421 |
| NUMBER IN ONE INCH CIRCLE | = | | 3 | |
| NUMBER IN TWO INCH CIRCLE | = | | 9 | |
| NUMBER IN THREE INCH CIRCLE | = | | 9 | |

10 May 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225563

CENTERFIRE PATTERNS # 2




# OF SHOTS= 10

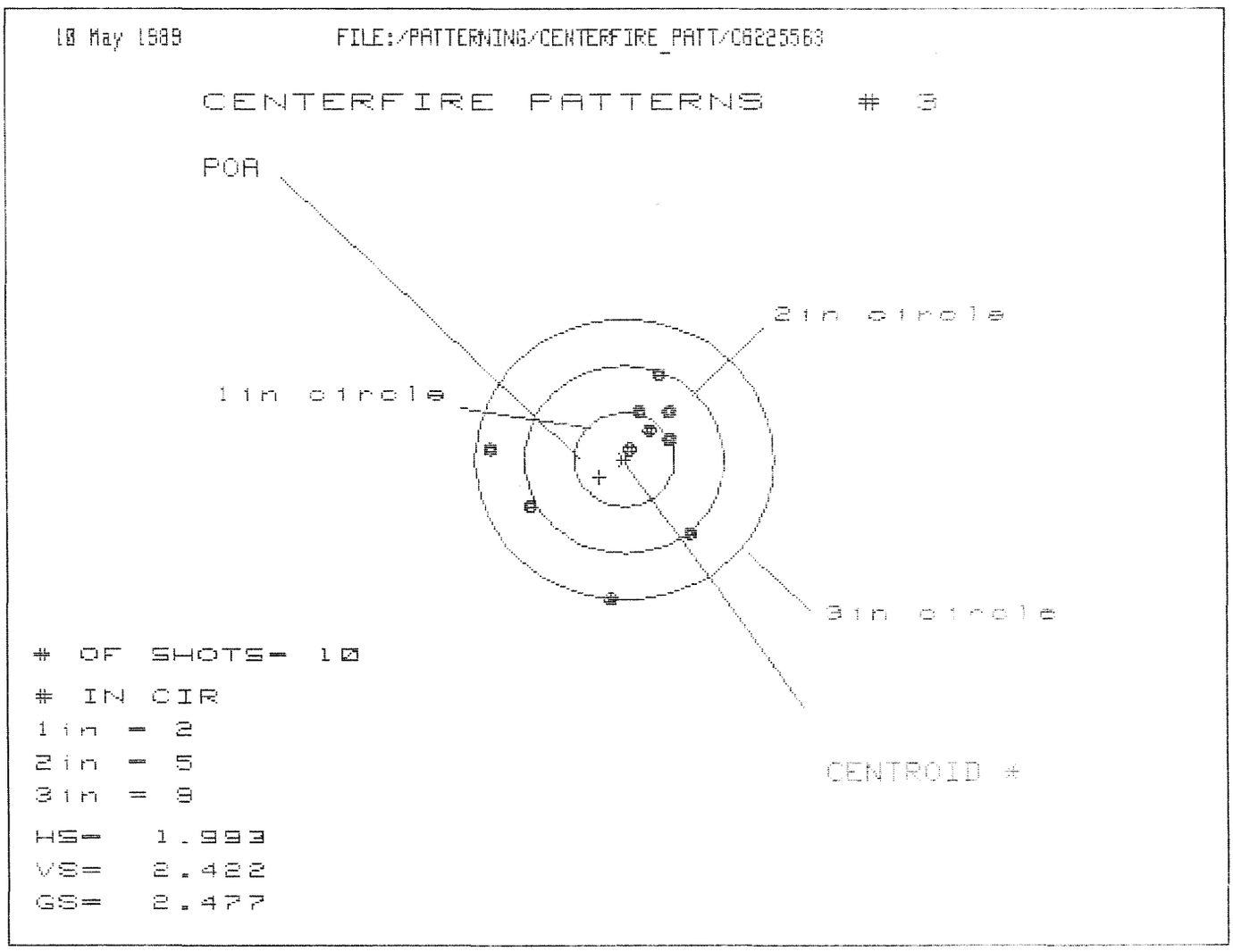
# IN CIR
1in = 2
2in = 7
3in = 10

HS= 2.194
VS= 2.024
GS= 2.219

PATTERN # : 2

| | | | |
|---|---|---|---|
| SHOTS (BEST OF) : | 10 | 9 | 8 |
| MAXIMUM X : | 1.286 | 1.377 | .755 |
| MINIMUM X : | -.908 | -.817 | -.645 |
| MAXIMUM Y : | .995 | .881 | .855 |
| MINIMUM Y : | -1.029 | -.743 | -.769 |
| CENTROID X : | .022 | -.069 | -.241 |
| CENTROID Y : | .244 | .358 | .384 |
| POA TO CENTROID in.: | .245 | .365 | .453 |
| MIN RADIUS : | .190 | .319 | .315 |
| MEAN RADIUS : | .814 | .743 | .637 |
| MAX RADIUS : | 1.316 | 1.392 | 1.023 |
| HORIZONTAL SPREAD : | 2.194 | 2.194 | 1.400 |
| VERTICAL SPREAD : | 2.024 | 1.624 | 1.624 |
| EXTREME SPREAD : | 2.219 | 2.219 | 1.788 |

NUMBER IN ONE INCH CIRCLE = 2
NUMBER IN TWO INCH CIRCLE = 7
NUMBER IN THREE INCH CIRCLE = 10

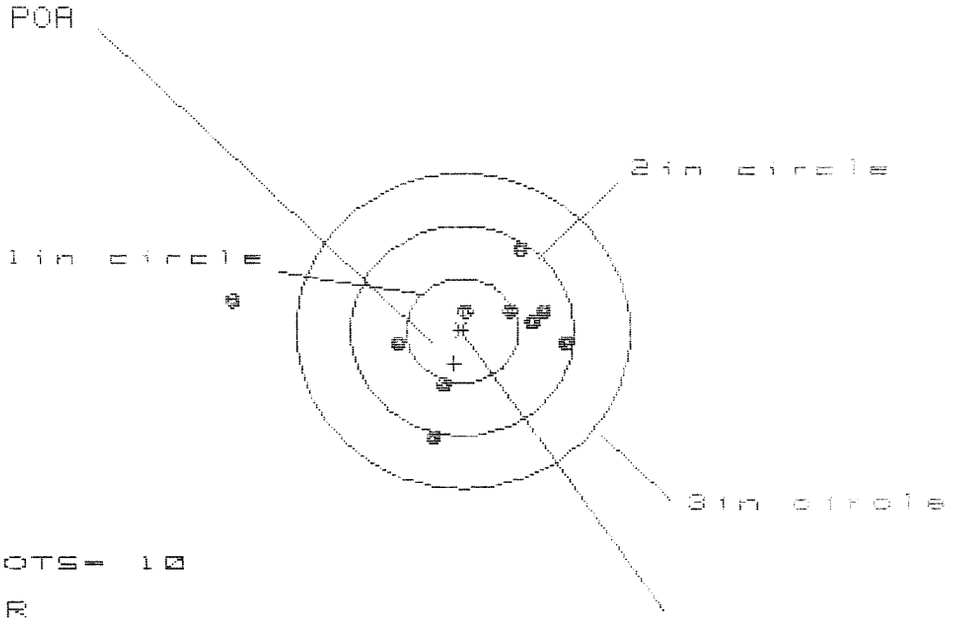



PATTERN # : 3

| | | | | |
|---|---|---|---|---|
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | .651 | .636 | .466 |
| MINIMUM X | : | -1.341 | -1.357 | -1.143 |
| MAXIMUM Y | : | .926 | .760 | .760 |
| MINIMUM Y | : | -1.495 | -.982 | -.982 |
| CENTROID X | : | .247 | .262 | .432 |
| CENTROID Y | : | .184 | .351 | .351 |
| POA TO CENTROID in. | : | .308 | .438 | .557 |
| MIN RADIUS | : | .097 | .074 | .174 |
| MEAN RADIUS | : | .830 | .708 | .585 |
| MAX RADIUS | : | 1.502 | 1.357 | 1.325 |
| HORIZONTAL SPREAD | : | 1.993 | 1.993 | 1.609 |
| VERTICAL SPREAD | : | 2.422 | 1.742 | 1.742 |
| EXTREME SPREAD | : | 2.477 | 2.220 | 1.956 |
| NUMBER IN ONE INCH CIRCLE | = | | 2 | |
| NUMBER IN TWO INCH CIRCLE | = | | 5 | |
| NUMBER IN THREE INCH CIRCLE | = | | 9 | |

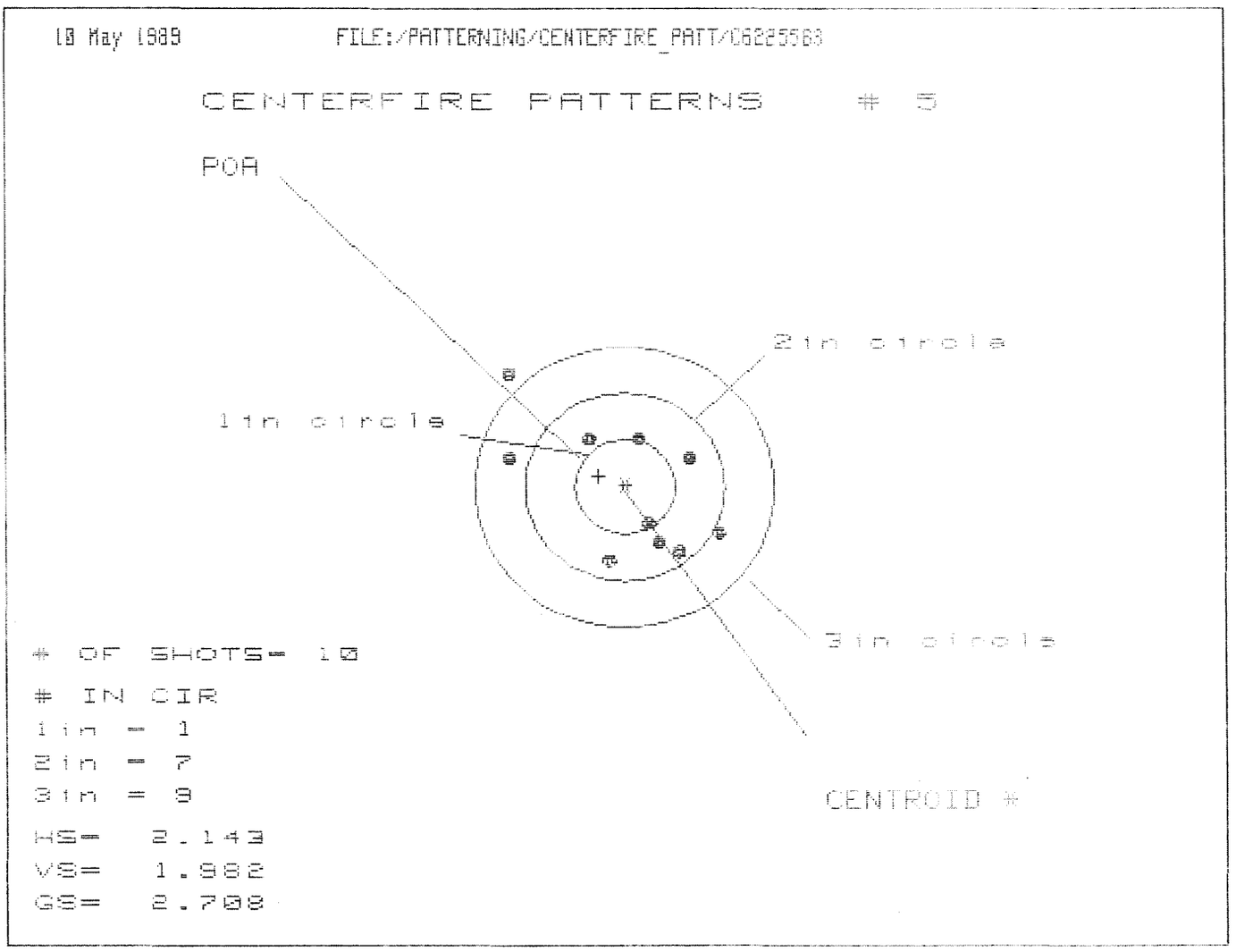
10 May 1989 FILE:/PATTERNING/CENTERFIRE_PATT/CB225583

CENTERFIRE PATTERNS # 4

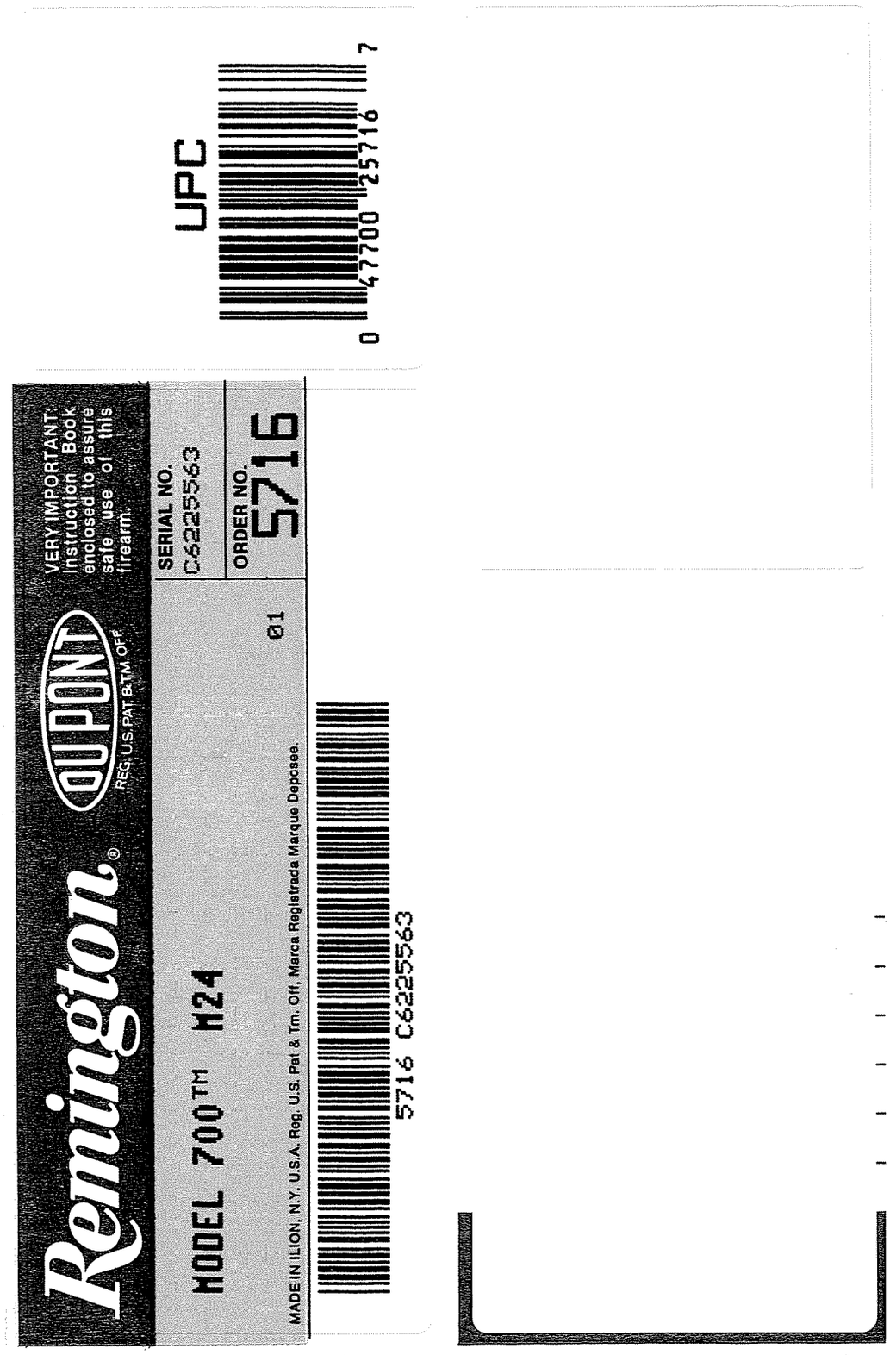



# OF SHOTS= 10
# IN CIR
1in = 2
2in = 8
3in = 9
HS= 2.976
VS= 1.761
GS= 2.996

| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 4 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | .890 | .658 | .595 |
| MINIMUM X | : | -2.086 | -.834 | -.897 |
| MAXIMUM Y | : | .791 | .819 | .701 |
| MINIMUM Y | : | -.970 | -.942 | -.604 |
| CENTROID X | : | .072 | .304 | .367 |
| CENTROID Y | : | .316 | .288 | .406 |
| POA TO CENTROID in. | : | .324 | .419 | .547 |
| MIN RADIUS | : | .165 | .278 | .146 |
| MEAN RADIUS | : | .805 | .617 | .527 |
| MAX RADIUS | : | 2.101 | 1.069 | .917 |
| HORIZONTAL SPREAD | : | 2.976 | 1.492 | 1.492 |
| VERTICAL SPREAD | : | 1.761 | 1.761 | 1.305 |
| EXTREME SPREAD | : | 2.996 | 1.927 | 1.492 |
| NUMBER IN ONE INCH CIRCLE | = | | 2 | |
| NUMBER IN TWO INCH CIRCLE | = | | 8 | |
| NUMBER IN THREE INCH CIRCLE | = | | 9 | |




| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 5 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | .957 | .834 | .670 |
| MINIMUM X | : | -1.186 | -1.309 | -.678 |
| MAXIMUM Y | : | 1.243 | .680 | .741 |
| MINIMUM Y | : | -.739 | -.601 | -.540 |
| CENTROID X | : | .260 | .383 | .547 |
| CENTROID Y | : | -.112 | -.250 | -.311 |
| POA TO CENTROID in. | : | .283 | .458 | .629 |
| MIN RADIUS | : | .473 | .302 | .251 |
| MEAN RADIUS | : | .873 | .745 | .630 |
| MAX RADIUS | : | 1.668 | 1.397 | 1.004 |
| HORIZONTAL SPREAD | : | 2.143 | 2.143 | 1.348 |
| VERTICAL SPREAD | : | 1.982 | 1.281 | 1.281 |
| EXTREME SPREAD | : | 2.708 | 2.306 | 1.706 |
| NUMBER IN ONE INCH CIRCLE | = | | 1 | |
| NUMBER IN TWO INCH CIRCLE | = | | 7 | |
| NUMBER IN THREE INCH CIRCLE | = | | 9 | |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