C652400

MODEL 700™ M24

Model SWS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

# RECEIVING AND ESTIMATING REPORT

R 94-18153

| INITIAL | CUSTOMER ORDER NO. | |
|---|---|---|
| FDC | DAAA09-92-C-0834 | W/10X SCOPE M-24 SNIPER, W/DEPLOYMENT KIT ATTN: FRED MARTIN |

90-0078

| DATE RECEIVED | DATE OPENED | DATE CODE | SERIAL NUMBER | NEW SERIAL NUMBER | MODEL AND GRADE |
|---|---|---|---|---|---|
| 06/10/94 | 06/10/94 | | C6523400 | | 700 7-62 NATO |

ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE

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

| | |
|---|---|
| * Stock | 376.89 |
| Trigger Assy | 173.71 |
| * Mdg Box | 2.06 |
| * Mag Follower | 6.12 |
| * Mdg Spring | 1.70 |
| Scope Rep | 119.43 |
| Clean/Insp/Rep | 50.00 |
| | 729.91 |

COMMENTS

| REPAIRMAN | PROOF | CLEAN | TEST | TARGET | PATTERN |
|---|---|---|---|---|---|
| | | | AC | | |
| GALLERY TESTER | DATE | DATE | DATE 10/31 | DATE | 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. C6523400
DATE 9-14-95
TESTER DA

| | 2.50# INITIAL | 2.50# AFTER 50 CYCLES | FINAL TEST & TO RESET 2.50# | | COMMENTS |
|---|---|---|---|---|---|
| PULL #1 | 2.66 | 2.49 | 2.60 | | MIN. SETTING, |
| PULL #2 | 2.63 | 2.53 | 2.60 | | NO AVG. OF 5 |
| PULL #3 | 2.45 | 2.47 | 2.67 | | READINGS ACCEPT- |
| PULL #4 | 2.40 | 2.55 | 2.56 | | ABLE LESS THAN 2# |
| PULL #5 | 2.40 | 2.54 | 2.64 | | |
| TOTAL | 1254 | 1258 | 1307 | | |
| AVG. | 2.50 | 2.51 | 2.61 | | |

| | 3.00# INITIAL | 3.00# AFTER 20 CYCLES | | COMMENTS |
|---|---|---|---|---|
| PULL #1 | 3.08 | 3.00 | | |
| PULL #2 | 3.09 | 3.04 | | |
| PULL #3 | 3.00 | 3.17 | | |
| PULL #4 | 3.00 | 3.14 | | |
| PULL #5 | 3.06 | 3.00 | | |
| TOTAL | 1523 | 1535 | | |
| AVG. | 3.04 | 3.07 | | |

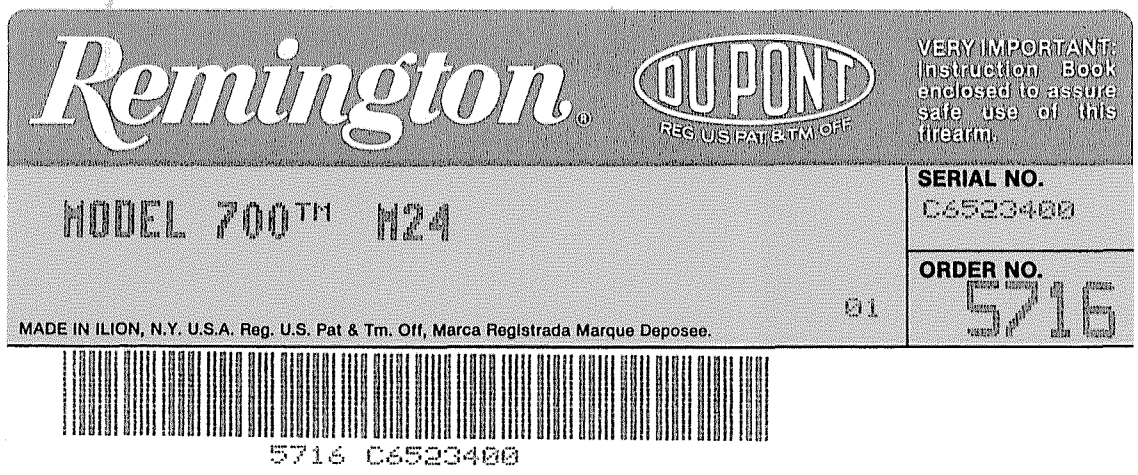
| | 4.00# INITIAL | 4.00# AFTER 20 CYCLES | MAX SETTING GREATER THAN 4# | RESET TO 4# FOR TARGET & ACCURACY |
|---|---|---|---|---|
| PULL #1 | 400 | 4.15 | 4.04 | |
| PULL #2 | 400 | 4.13 | 4.04 | |
| PULL #3 | 395 | 4.09 | 4.20 | |
| PULL #4 | 402 | 4.15 | 4.20 | |
| PULL #5 | 403 | 4.10 | 3.95 | |
| TOTAL | 2000 | 2062 | 2043 | |
| AVG. | 4.00 | 4.12 | 4.08 | |

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C-6523400

| OP. # | OP. NAME | READINGS | DATE | INITIAL |
|---|---|---|---|---|
| 575 & 580 | Assemble Action and Stock | | | |
| 600 | Proof | | | |
| 607 | Check Headspace | | | |
| 610 | Dis-assemble Gun | | | |
| 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 | | | |
| | 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 | 4.5 | 4.5 | 5.0 | | | 12-2-95 | DA |
| | G) Safety Off Force | 3.0 | 3.0 | 3.0 | | | 12-2-95 | DA |
| | 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 | | | | | | | |
| | 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 | 2.38 | 2.39 | 2.45 | 2.43 | 2.44 | 12-2-95 | DA |
| | C) Function | | | | | | | |
| 660 | Pack | | | | | | | |




CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523400

| OP. # | OP. NAME | READINGS | DATE | INIT |
|---|---|---|---|---|
| 575 & 580 | Assemble Action and Stock | 9 24 | 90 | RW |
| 600 | Proof | 9 24 | 90 | RW |
| 607 | Check Headspace | 9 24 | 90 | RW |
| 610 | Dis-assemble Gun | 9 24 | 90 | RW |
| 612 | Magnaflux Barrel Action | | 9-25-90 | KR |
| | Magnaflux Bolt | | 9-25-90 | KR |
| 615 | Rollmark Caliber | | 9-25-90 | DS |
| 617 | Drill and Tap Sight Holes | | 9-25-90 | FB |
| 618 | Polish Barrel RB | | 9/28/90 | WB |
| 620 | Apply Coatings (Barrel Action) | | 10-8-90 | TS |
| | Apply Coating (Bolt) | | 10 | |
| 625 | Final Assembly A) Clean inside of Bolt Assembly | | 10/8/90 | RW |
| | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head | | 10/8/90 | RW |
| | C) Inspect Ejector Hole for Chamfer | | 10/8/90 | RW |
| | D) Oil Firing Pin Ass'y | | 10/8/90 | RW |
| | E) Adjust Trigger Pull to Min Setting and Stake | | 10/15/90 | DH |

| op. # | OP. NAME | READINGS | | | | | DATE | INIT |
|---|---|---|---|---|---|---|---|---|
| 625 nt. | F) Safety On Force | 4½ | 4½ | 4½ | | | 10/16/90 | WS |
| | G) Safety Off Force | 3 | 3 | 3 | | | 10/16/90 | WS |
| | H) Trigger Pull Test & Retainability | | | | | | 10/15/90 | |
| | I) Firing Pin Indent | .024 | .024 | .024 | | | 10/16/90 | WS |
| | J) Assemble Stock | | | | | | 10/16/90 | RW |
| | K) Assemble Swivel Studs | | | | | | 2NOV90 | |
| | L) Attach Front and Rear Sight Assemblies | | | | | | 10/16/90 | RW |
| | M) Iron Sight Alignment | | | | | | 10/16/90 | RW |
| | N) Detach Front & Rear Sights & place in numbered container | | | | | | 10/16/90 | RW |
| | O) Attach Scope to Rifle | | | | | | 10/16/90 | RW |
| | P) Detach & Attach Scope 20 Times | | | | | | 10/16/90 | RW |
| 640 | Gallery Target & Test | | | | | | 10-24-90 | DH |
| | A) Time | | | | | | 10-24-90 | DH |
| | B) Malfunctions | | | | | | 10-24-90 | DH |
| | C) Pierced Primers | | | | | | 10-24-90 | DH |
| | D) Optical Clearity of Scope | | | | | | 10-24-90 | DH |
| 645 | Inspect for Live Ammo | | | | | | 10-24-90 | DH |
| 655 | Final Inspection A) Headspace | | | | | | 2NOV90 | |
| | B) Trigger Pull | 230 | 229 | 233 | 234 | 238 | 2NOV90 | |
| | C) Function | | | | | | 2NOV90 | |
| 660 | Pack | | | | | | 12-18-90 | DH |

# SWS TRIGGER PULL TEST

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

SERIAL NO. C6523400

DATE 10/15/98

TESTER JM

| | 2.50# INITIAL | 2.50# AFTER 50 CYCLES | FINAL TEST & TO RESET 2.50# | | COMMENTS |
|---|---|---|---|---|---|
| PULL #1 | 2.51 | 2.32 | 2.36 | 2.30 | MIN. SETTING, |
| PULL #2 | 2.37 | 2.10 | 2.43 | 2.29 | NO AVG. OF 5 |
| PULL #3 | 2.37 | 2.36 | 2.46 | 2.33 | READINGS ACCEPT- |
| PULL #4 | 2.36 | 2.39 | 2.42 | 2.34 | ABLE LESS THAN 2# |
| PULL #5 | 2.32 | 2.46 | 2.38 | 2.38 | |
| TOTAL | 11.93 | 11.63 | 12.05 | | |
| AVG. | 2.386 | 2.326 | 2.41 | | |

| | 3.00# INITIAL | 3.00# AFTER 20 CYCLES | | COMMENTS |
|---|---|---|---|---|
| PULL #1 | 3.23 | 3.28 | | |
| PULL #2 | 3.19 | 3.39 | | |
| PULL #3 | 3.22 | 3.19 | | |
| PULL #4 | 3.24 | 3.44 | | |
| PULL #5 | 3.25 | 3.40 | | |
| TOTAL | 16.13 | 16.7 | | |
| AVG. | 3.226 | 3.34 | | |

| | 4.00# INITIAL | 4.00# AFTER 20 CYCLES | MAX SETTING GREATER THAN 4# | RESET TO 4# FOR TARGET & ACCURACY |
|---|---|---|---|---|
| PULL #1 | 4.32 | 4.29 | | 4.38 |
| PULL #2 | 4.28 | 4.31 | | 4.41 |
| PULL #3 | 4.35 | 4.37 | | 4.37 |
| PULL #4 | 4.29 | 4.40 | | 4.35 |
| PULL #5 | 4.24 | 4.06 | | 4.36 |
| TOTAL | 21.48 | 21.43 | | 21.87 |
| AVG. | 4.296 | 4.286 | | 4.374 |

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523400
24 Oct 1990

## CENTROIDAL DISTANCES

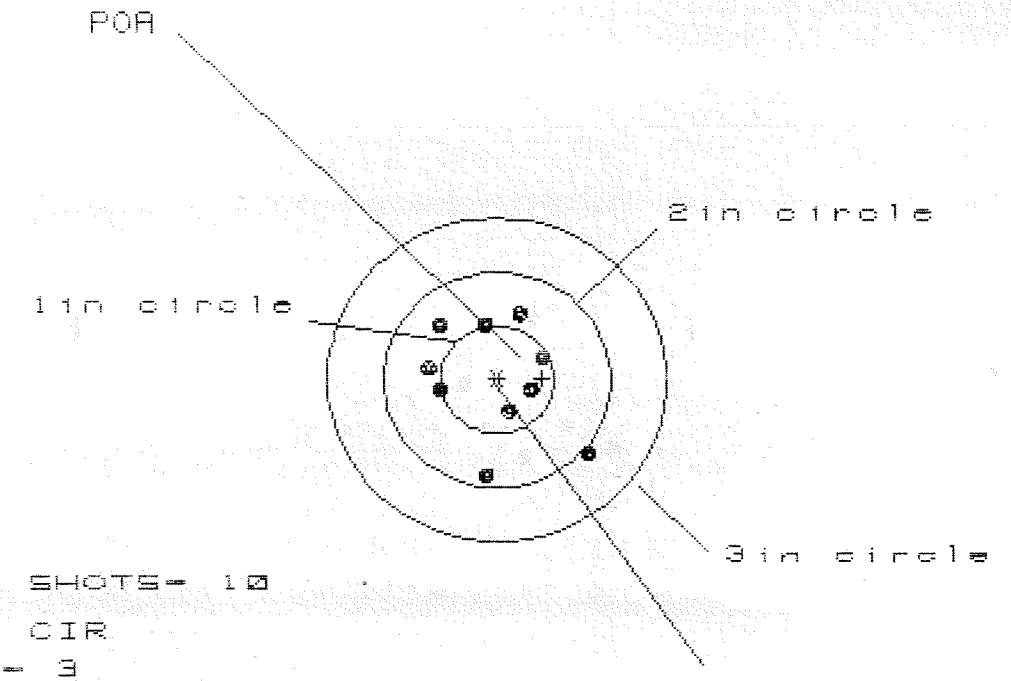
| | | | |
|---|---|---|---|
| Ø | TO | 1 | .398212 |
| 1 | TO | 2 | .699806 |
| 1 | TO | 3 | .322219 |
| 1 | TO | 4 | .533835 |
| 1 | TO | 5 | .369935 |


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0792
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1444
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .164694

THE ANR FOR THIS RIFLE IS: .7284

24 Oct 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C6523400

# CENTERFIRE PATTERNS # 1




# OF SHOTS= 10

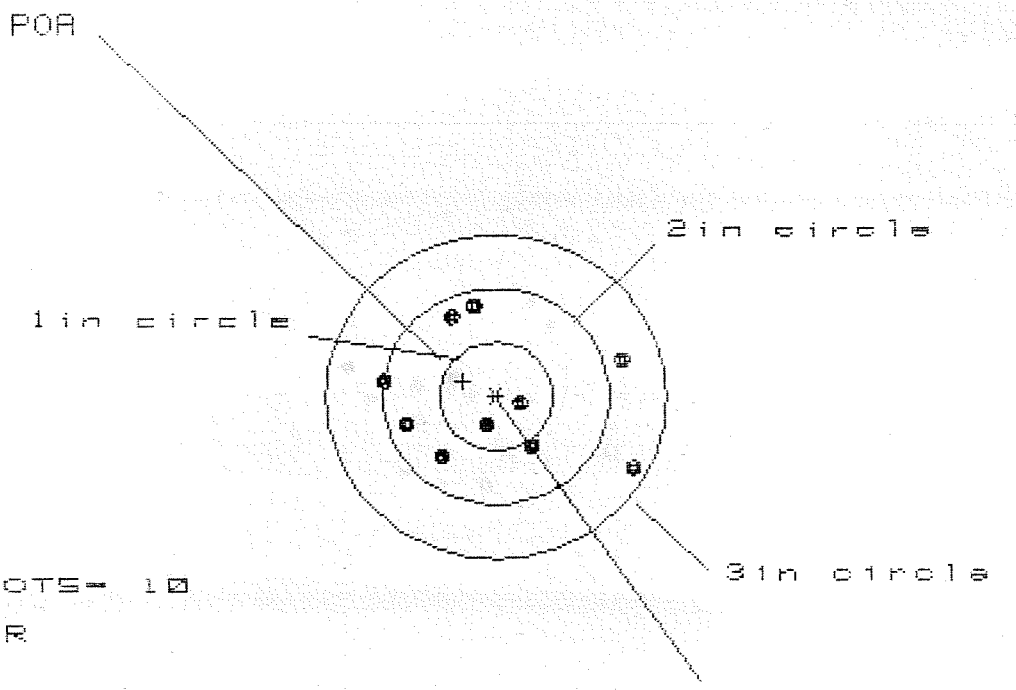
# IN CIR
1in = 3
2in = 9
3in = 10

HS= 1.361
VS= 1.504
GS= 1.806

| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 1 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | .788 | .490 | .493 |
| MINIMUM X | : | -.573 | -.485 | -.482 |
| MAXIMUM Y | : | .647 | .568 | .451 |
| MINIMUM Y | : | -.857 | -.936 | -.449 |
| CENTROID X | : | -.398 | -.486 | -.489 |
| CENTROID Y | : | -.013 | .066 | .183 |
| POA TO CENTROID in. | : | .399 | .490 | .522 |
| MIN RADIUS | : | .271 | .379 | .362 |
| MEAN RADIUS | : | .608 | .552 | .494 |
| MAX RADIUS | : | 1.060 | .936 | .549 |
| HORIZONTAL SPREAD | : | 1.361 | .975 | .975 |
| VERTICAL SPREAD | : | 1.504 | 1.504 | .900 |
| EXTREME SPREAD | : | 1.806 | 1.527 | 1.067 |
| NUMBER IN ONE INCH CIRCLE | = | | 3 | |
| NUMBER IN TWO INCH CIRCLE | = | | 9 | |
| NUMBER IN THREE INCH CIRCLE | = | | 10 | |

24 Oct 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C6523400

# CENTERFIRE PATTERNS # 2

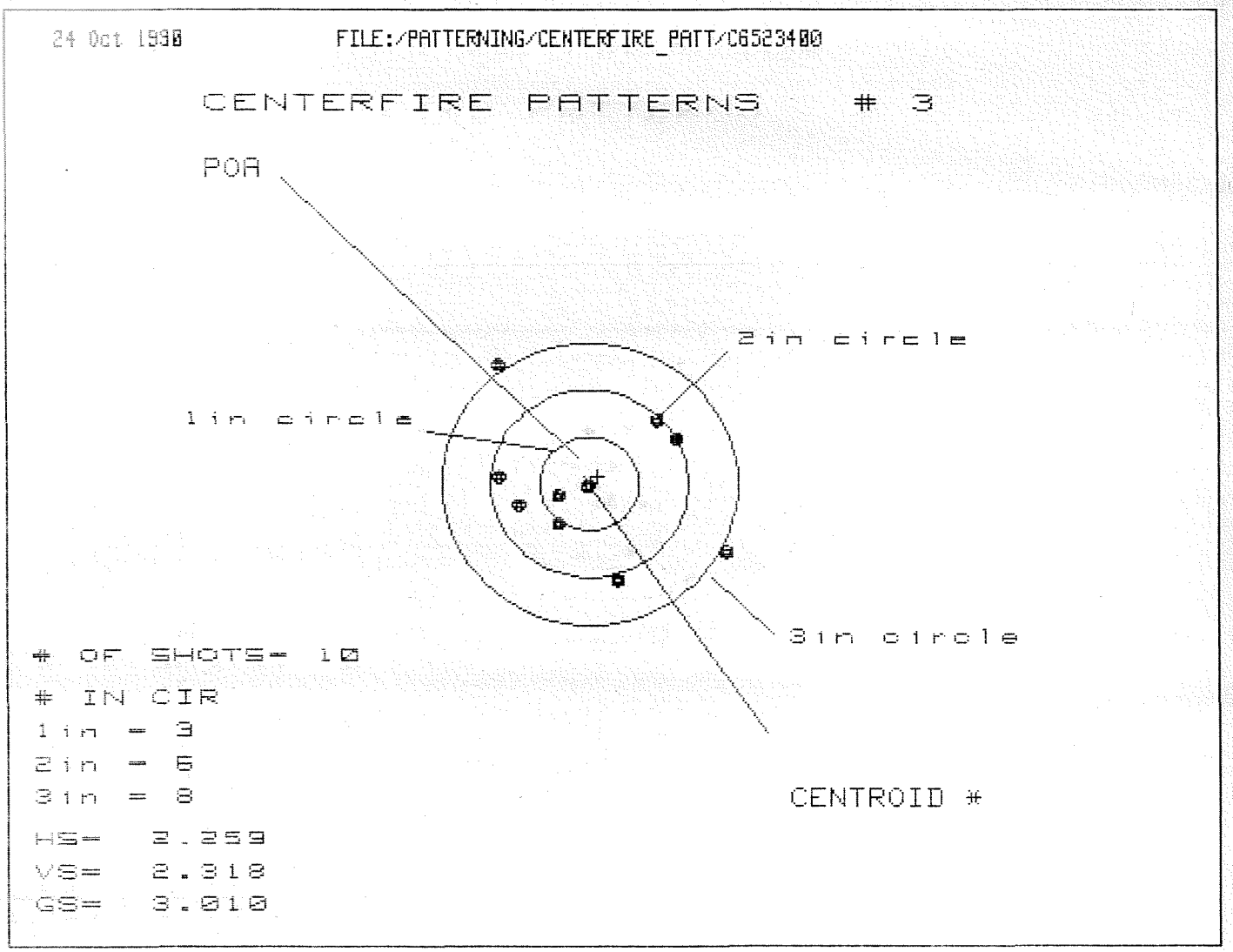



# OF SHOTS= 10

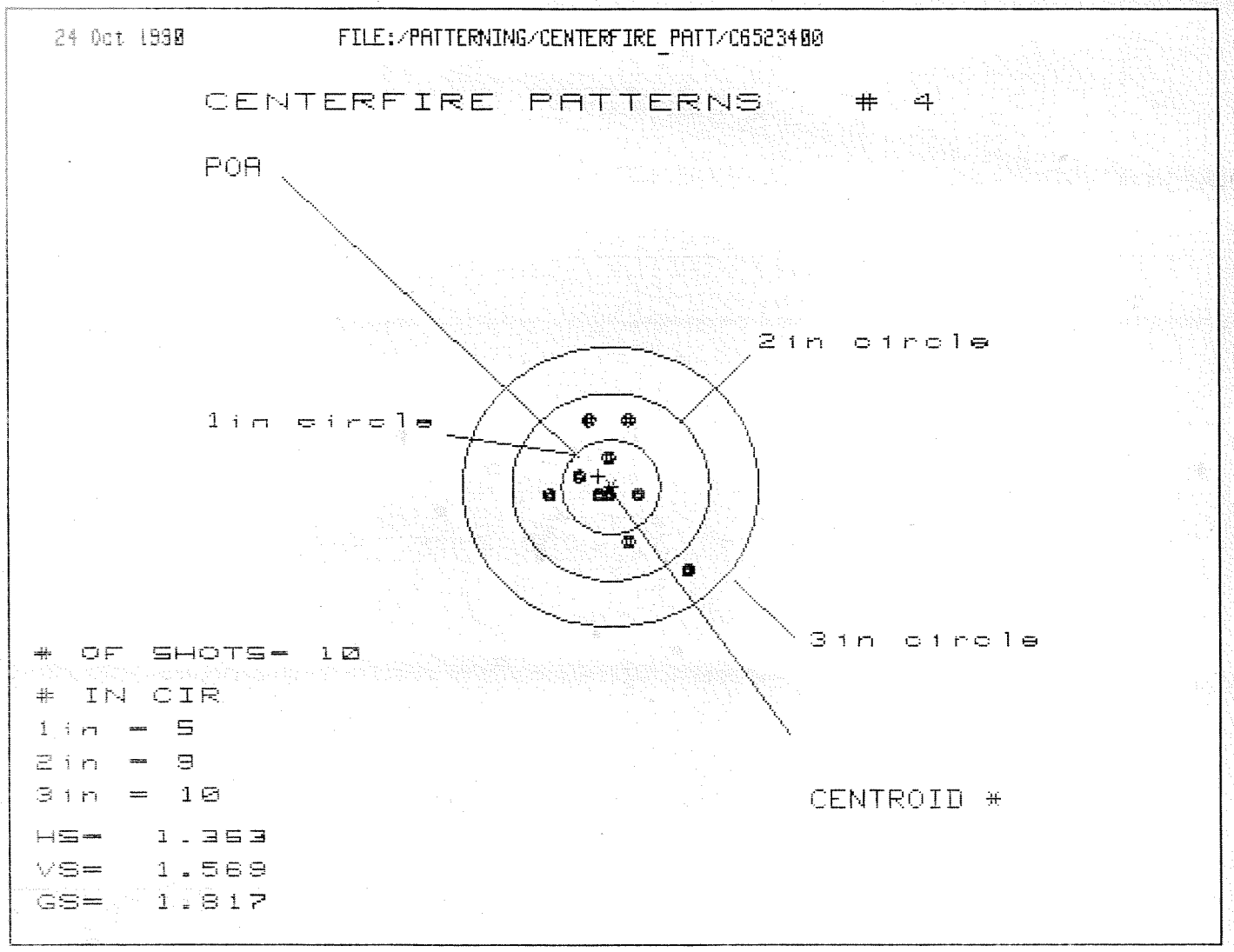
# IN CIR
1in = 2
2in = 7
3in = 10

HS= 2.248
VS= 1.532
GS= 2.397

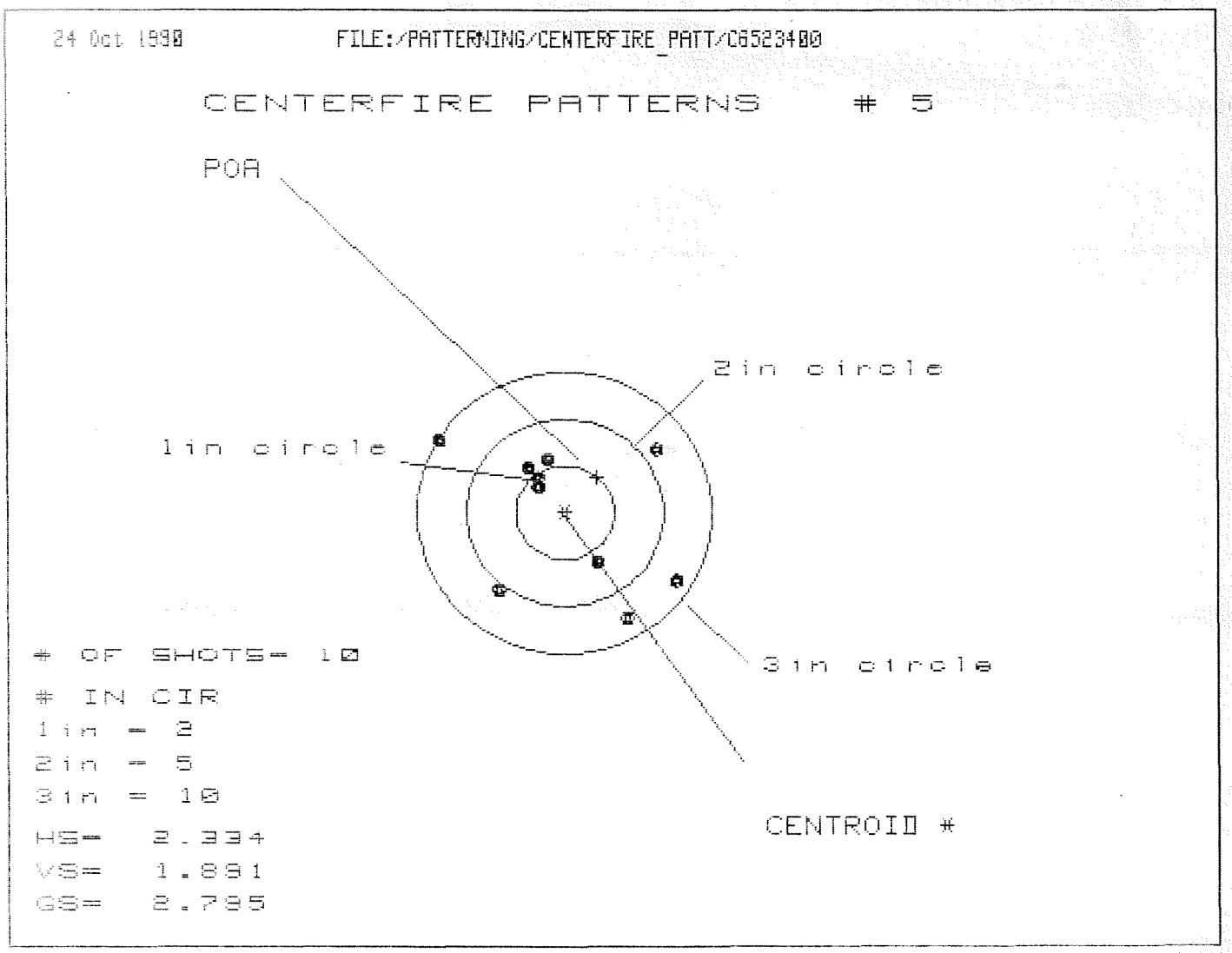
| | | | |
|---|---|---|---|
| PATTERN # | : | 2 | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.250 | 1.236 | .572 |
| MINIMUM X | : | -.998 | -.859 | -.704 |
| MAXIMUM Y | : | .883 | .811 | .846 |
| MINIMUM Y | : | -.649 | -.607 | -.572 |
| CENTROID X | : | .290 | .151 | -.004 |
| CENTROID Y | : | -.141 | -.069 | -.104 |
| POA TO CENTROID in. | : | .322 | .166 | .104 |
| MIN RADIUS | : | .238 | .382 | .414 |
| MEAN RADIUS | : | .794 | .726 | .648 |
| MAX RADIUS | : | 1.409 | 1.268 | .854 |
| HORIZONTAL SPREAD | : | 2.248 | 2.095 | 1.276 |
| VERTICAL SPREAD | : | 1.532 | 1.418 | 1.418 |
| EXTREME SPREAD | : | 2.397 | 2.102 | 1.445 |
| 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 | : | 1.342 | 1.240 | .947 |
| MINIMUM X | : | -.917 | -1.011 | -.856 |
| MAXIMUM Y | : | 1.258 | .779 | .705 |
| MINIMUM Y | : | -1.060 | -.920 | -.994 |
| CENTROID X | : | -.082 | .020 | -.135 |
| CENTROID Y | : | -.076 | -.216 | -.142 |
| POA TO CENTROID in. | : | .112 | .217 | .196 |
| MIN RADIUS | : | .015 | .172 | .070 |
| MEAN RADIUS | : | .867 | .806 | .687 |
| MAX RADIUS | : | 1.557 | 1.374 | 1.105 |
| HORIZONTAL SPREAD | : | 2.259 | 2.251 | 1.803 |
| VERTICAL SPREAD | : | 2.318 | 1.699 | 1.699 |
| EXTREME SPREAD | : | 3.010 | 2.405 | 1.844 |
| NUMBER IN ONE INCH CIRCLE | = | | 3 | |
| NUMBER IN TWO INCH CIRCLE | = | | 6 | |
| NUMBER IN THREE INCH CIRCLE | = | | 8 | |




| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 4 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | .758 | .321 | .354 |
| MINIMUM X | : | -.605 | -.521 | -.488 |
| MAXIMUM Y | : | .689 | .591 | .647 |
| MINIMUM Y | : | -.880 | -.725 | -.651 |
| CENTROID X | : | .126 | .042 | .009 |
| CENTROID Y | : | -.115 | -.017 | -.091 |
| POA TO CENTROID in. | : | .171 | .045 | .092 |
| MIN RADIUS | : | .080 | .138 | .066 |
| MEAN RADIUS | : | .492 | .409 | .366 |
| MAX RADIUS | : | 1.161 | .762 | .704 |
| HORIZONTAL SPREAD | : | 1.363 | .842 | .842 |
| VERTICAL SPREAD | : | 1.569 | 1.316 | 1.298 |
| EXTREME SPREAD | : | 1.817 | 1.342 | 1.342 |
| NUMBER IN ONE INCH CIRCLE | = | | 5 | |
| NUMBER IN TWO INCH CIRCLE | = | | 9 | |
| NUMBER IN THREE INCH CIRCLE | = | | 10 | |




PATTERN # : **5**

| | | | |
|---|---|---|---|
| SHOTS (BEST OF) | 10 | 9 | 8 |
| MAXIMUM X | 1.101 | .964 | .938 |
| MINIMUM X | -1.233 | -.830 | -.710 |
| MAXIMUM Y | .809 | .722 | .642 |
| MINIMUM Y | -1.082 | -.992 | -1.072 |
| CENTROID X | -.332 | -.195 | -.315 |
| CENTROID Y | -.377 | -.467 | -.387 |
| POA TO CENTROID in. | .502 | .506 | .499 |
| MIN RADIUS | .406 | .425 | .424 |
| MEAN RADIUS | .881 | .830 | .755 |
| MAX RADIUS | 1.475 | 1.156 | 1.217 |
| HORIZONTAL SPREAD | 2.334 | 1.794 | 1.648 |
| VERTICAL SPREAD | 1.891 | 1.714 | 1.714 |
| EXTREME SPREAD | 2.795 | 2.201 | 2.201 |

NUMBER IN ONE INCH CIRCLE = 2
NUMBER IN TWO INCH CIRCLE = 5
NUMBER IN THREE INCH CIRCLE = 10