C661697

MODEL 700 TH M24

Model 5HS TH

Action

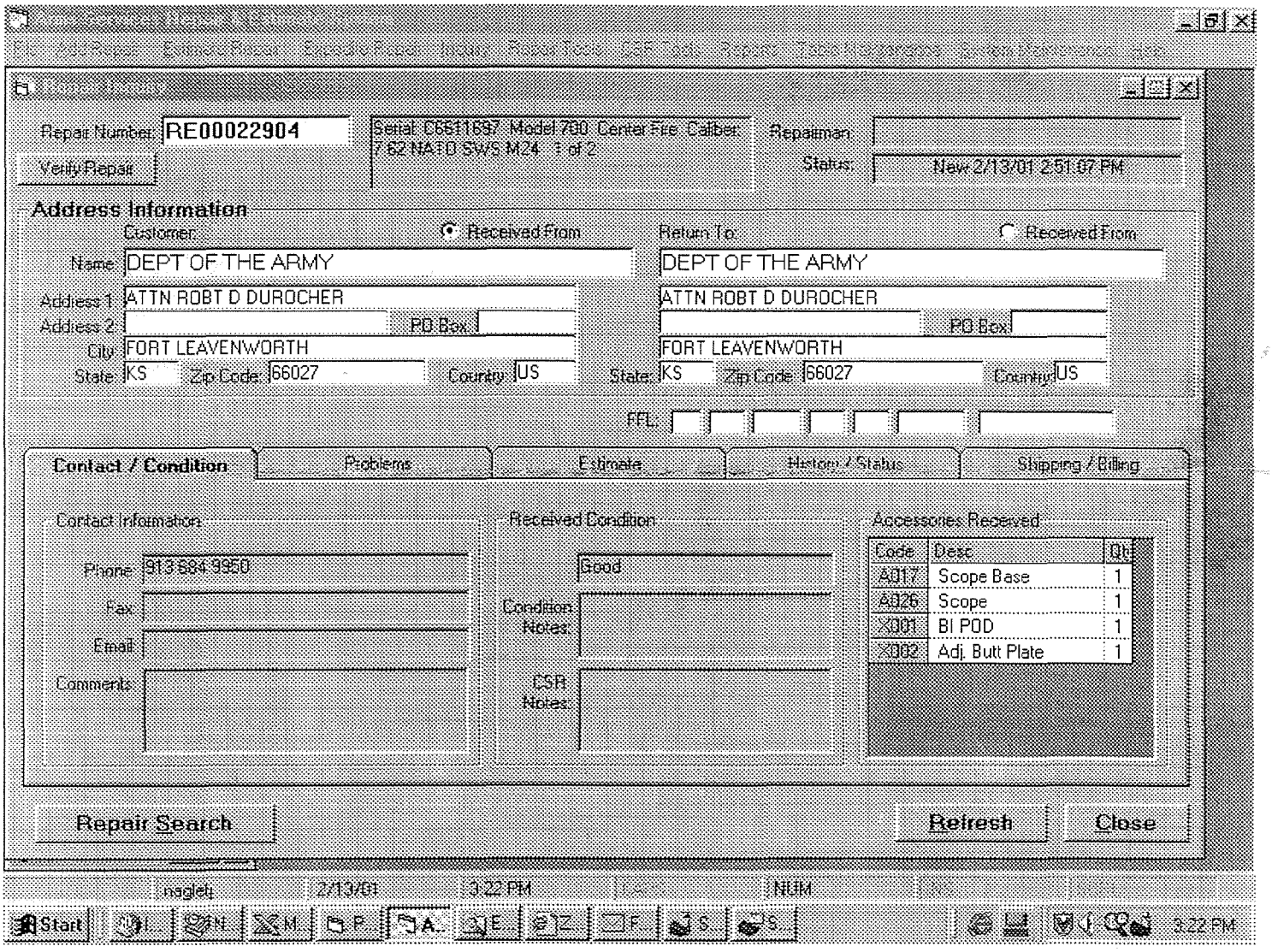
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington




Serial Number: C6611697

Model: 700

RE00022904

Remington Test Lab, Ilion, N.Y.

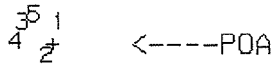
Centroidal distance calculations for Rifle # C6611697
11 Apr 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1212
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0894
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .150605

THE AMR FOR THIS RIFLE IS: 1.115

CENTROIDAL DISTANCES

| | | | |
|---|---|---|---|
| 0 | TO | 1 | .152555 |
| 1 | TO | 2 | .238537 |
| 1 | TO | 3 | .247002 |
| 1 | TO | 4 | .320782 |
| 1 | TO | 5 | .176139 |



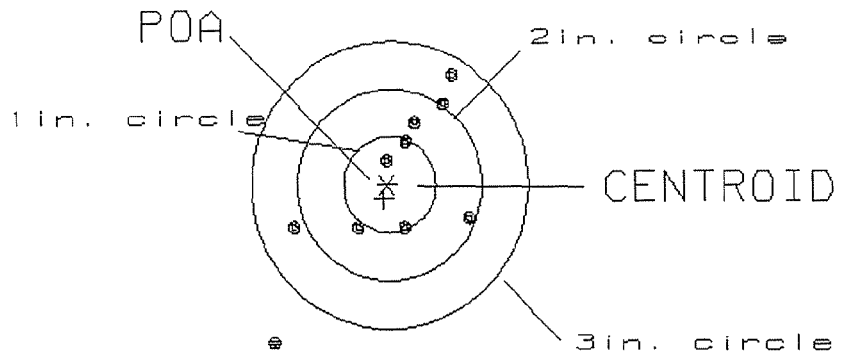
REMINGTON CENTERFIRE ACCURACY TEST  REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: □ 1 □

| | | |
|---|---|---|
| POA TO CENTROID: | | .153 |
| MIN RADIUS | : | .281 |
| MEAN RADIUS | : | .904 |
| MAX RADIUS | : | 2.028 |
| CENTROID X | : | .037 |
| CENTROID Y | : | .148 |

11 Apr 2001  FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6611697

## CENTERFIRE PATTERN # 1




| # OF SHOTS= 10 | # IN CIRCLE |
|---|---|
| HS= 2.08 | 2 |
| VS= 2.79 | 6 |
| GS= 3.37 | 9 |

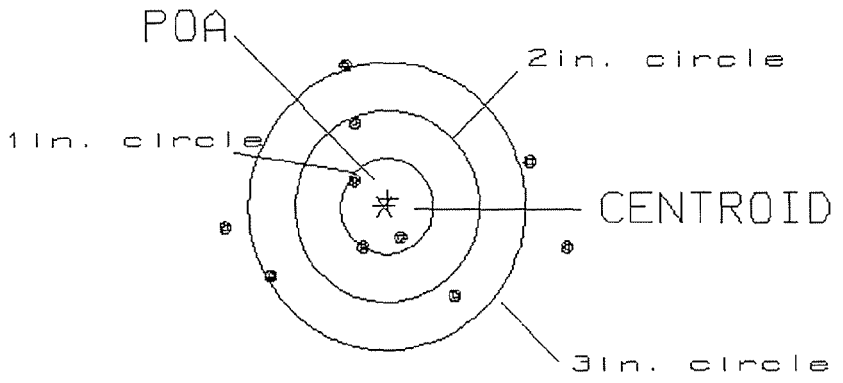
REMINGTON CENTERFIRE ACCURACY TEST  REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: □ 2 □

| | | |
|---|---|---|
| POA TO CENTROID: | | .088 |
| MIN RADIUS | : | .391 |
| MEAN RADIUS | : | 1.180 |
| MAX RADIUS | : | 1.981 |
| CENTROID X | : | -.045 |
| CENTROID Y | : | -.076 |

11 Apr 2001  FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6611697

## CENTERFIRE PATTERN # 2




| # OF SHOTS= 10 | # IN CIRCLE |
|---|---|
| HS= 3.68 | 2 |
| VS= 2.43 | 4 |
| GS= 3.68 | 6 |

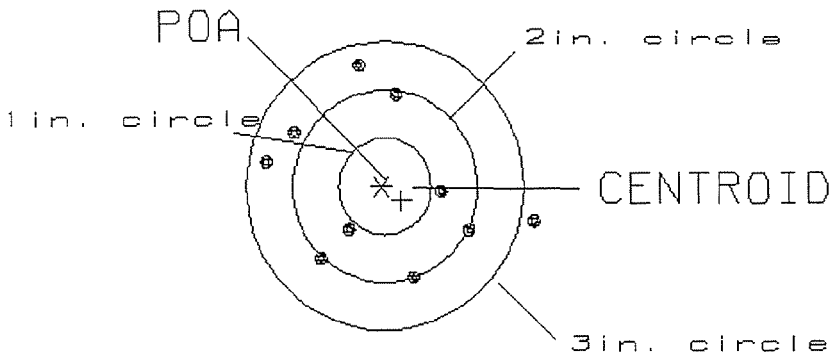
REMINGTON CENTERFIRE ACCURACY TEST  REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: □ 3 □

| | | |
|---|---|---|
| POA TO CENTROID | : | .257 |
| MIN RADIUS | : | .567 |
| MEAN RADIUS | : | 1.041 |
| MAX RADIUS | : | 1.690 |
| CENTROID X | : | -.210 |
| CENTROID Y | : | .149 |

11 Apr 2001  FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6611697

## CENTERFIRE PATTERN # 3




| # OF SHOTS= 10 | # IN CIRCLE |
|---|---|
| HS= 2.94 | 0 |
| VS= 2.14 | 5 |
| GS= 3.01 | 9 |

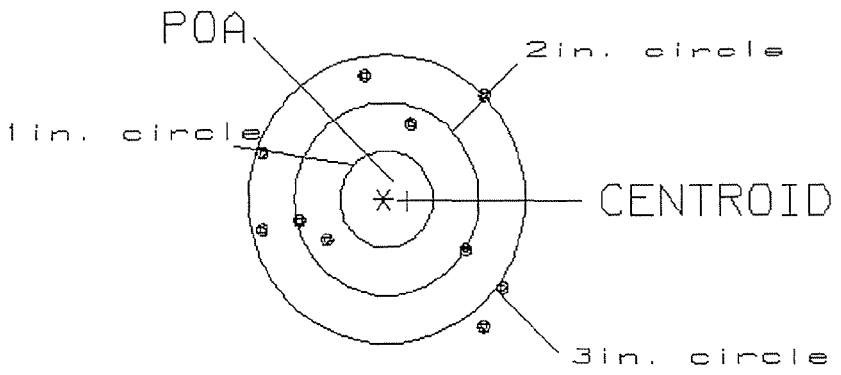
REMINGTON CENTERFIRE ACCURACY TEST  REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: □ 4 □

| | | |
|---|---|---|
| POA TO CENTROID: | | .259 |
| MIN RADIUS | : | .758 |
| MEAN RADIUS | : | 1.239 |
| MAX RADIUS | : | 1.687 |
| CENTROID X | : | -.258 |
| CENTROID Y | : | .022 |

11 Apr 2001  FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6611697

## CENTERFIRE PATTERN # 4




| # OF SHOTS= 10 | # IN CIRCLE |
|---|---|
| HS= 2.63 | 0 |
| VS= 2.53 | 3 |
| GS= 3.02 | 7 |

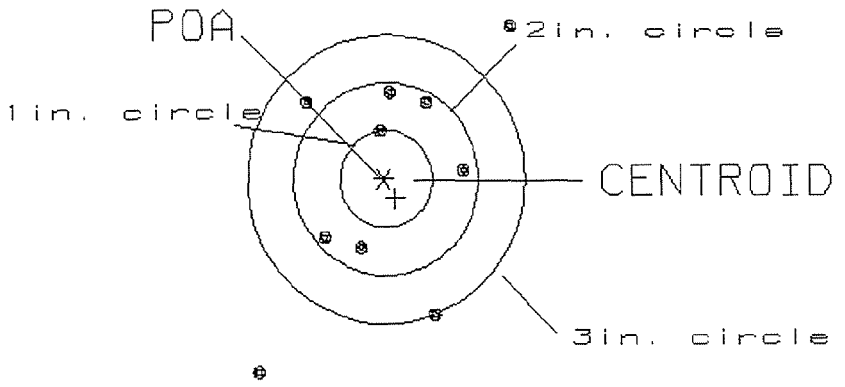
REMINGTON CENTERFIRE ACCURACY TEST  REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 5

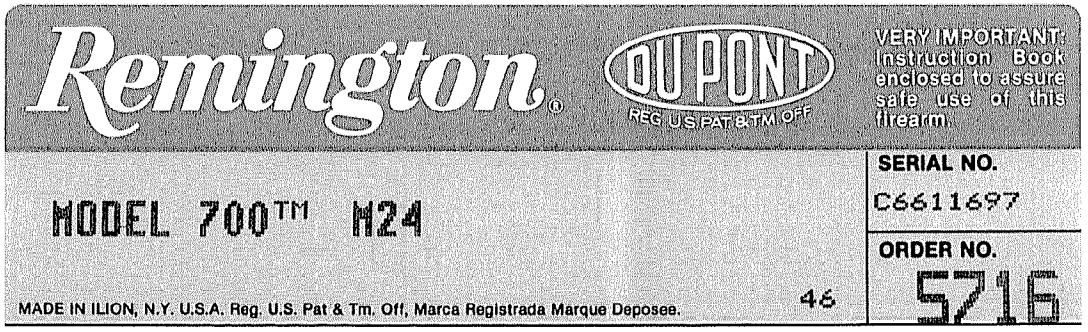
| | | |
|---|---|---|
| POA TO CENTROID: | | .242 |
| MIN RADIUS | : | .552 |
| MEAN RADIUS | : | 1.211 |
| MAX RADIUS | : | 2.447 |
| CENTROID X | : | -.130 |
| CENTROID Y | : | .204 |

11 Apr 2001  FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6611697

## CENTERFIRE PATTERN # 5




| # OF SHOTS= 10 | # IN CIRCLE |
|---|---|
| HS= 2.65 | 0 |
| VS= 3.64 | 6 |
| GS= 4.51 | 8 |





CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611697

| OP. # | OP. NAME | READINGS | DATE | INIT |
|---|---|---|---|---|
| 575 & 580 | Assemble Action and Stock | | 2 1 91 | RW |
| 600 | Proof | | 2 1 91 | RW |
| 607 | Check Headspace | | 2 1 91 | RW |
| 610 | Dis-assemble Gun | | 2 1 91 | RW |
| 612 | Magnaflux Barrel Action | | 2 11 91 | KCd |
| | Magnaflux Bolt | | 2 11 91 | KCd |
| 615 | Rollmark Caliber | | 2 11 91 | GS |
| 617 | Drill and Tap Sight Holes | | 2 13 91 | WB |
| 618 | Polish Barrel RBB | | 2 13 91 | WB |
| 620 | Apply Coatings (Barrel Action) | | 2-20-91 | DA |
| | Apply Coating (Bolt) | | | |
| 625 | Final Assembly A) Clean inside of Bolt Assembly | | 3/25/91 | WB |
| | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head | | 3/25/91 | WB |
| | C) Inspect Ejector Hole for Chamfer | | 3/25/91 | WB |
| | D) Oil Firing Pin Ass'y | | 3/25/91 | WB |
| | E) Adjust Trigger Pull to Min Setting and Stake | | 4/9/91 | DA |

| op. # | OP. NAME | READINGS | | | | | DATE | INIT |
|---|---|---|---|---|---|---|---|---|
| 625 cont. | F) Safety On Force | 5 | 5 | 5 | | | 4/9/91 | |
| | G) Safety Off Force | 3 | 3 | 3 | | | 4/9/91 | |
| | H) Trigger Pull Test & Retainability | | | | | | 4/9/91 | |
| | I) Firing Pin Indent | .023 | .023 | .023 | | | 4/9/91 | |
| | J) Assemble Stock | | | | | | 4/9/91 | |
| | K) Assemble Swivel Studs | | | | | | 4-17-91 | |
| | L) Attach Front and Rear Sight Assemblies | | | | | | 4/9/91 | |
| | M) Iron Sight Alignment | | | | | | 4/9/91 | |
| | N) Detach Front & Rear Sights & place in numbered container | | | | | | 4/9/91 | |
| | O) Attach Scope to Rifle | | | | | | 4/9/91 | |
| | P) Detach & Attach Scope 20 Times | | | | | | 4/9/91 | |
| 640 | Gallery Target & Test | | | | | | 4-11-91 | |
| | A) Time | | | | | | " | |
| | B) Malfunctions | | | | | | " | |
| | C) Pierced Primers | | | | | | " | |
| | D) Optical Clearity of Scope | | | | | | " | |
| 645 | Inspect for Live Ammo | | | | | | 4-11-91 | |
| 655 | Final Inspection A) Headspace | | | | | | 4-17-91 | |
| | B) Trigger Pull | 2.23 | 2.27 | 2.32 | 2.36 | 2.38 | 4/11/91 | |
| | C) Function | | | | | | 4-17-91 | |
| 660 | Pack | | | | | | 6-17-91 | |

# SWS TRIGGER PULL TEST

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

SERIAL NO C661167
DATE 4/9/91
TESTER JH

| | 2.50# INITIAL | 2.50# AFTER 50 CYCLES | FINAL TEST & TO RESET 2.50# | | COMMENTS |
|---|---|---|---|---|---|
| PULL #1 | 2.35 | 2.28 | 2.45 | 2.23 | MIN. SETTING, |
| PULL #2 | 2.29 | 2.20 | 2.48 | 2.27 | NO AVG. OF 5 |
| PULL #3 | 2.33 | 2.27 | 2.40 | 2.32 | READINGS ACCEPT- |
| PULL #4 | 2.33 | 2.28 | 2.48 | 2.36 | ABLE LESS THAN 2# |
| PULL #5 | 2.29 | 2.46 | 2.41 | 2.38 | |
| TOTAL | | | | | |
| AVG. | | | | | |

| | 3.00# INITIAL | 3.00# AFTER 20 CYCLES | | COMMENTS |
|---|---|---|---|---|
| PULL #1 | 3.31 | 3.24 | | |
| PULL #2 | 3.54 | 3.30 | | |
| PULL #3 | 3.28 | 3.19 | | |
| PULL #4 | 3.22 | 3.28 | | |
| PULL #5 | 3.14 | 3.32 | | |
| TOTAL | | | | |
| AVG. | | | | |

| | 4.00# INITIAL | 4.00# AFTER 20 CYCLES | MAX SETTING GREATER THAN 4# | RESET TO 4# FOR TARGET & ACCURACY |
|---|---|---|---|---|
| PULL #1 | 4.33 | 4.26 | | 4.43 |
| PULL #2 | 4.28 | 4.18 | | 4.51 |
| PULL #3 | 4.36 | 4.25 | | 4.36 |
| PULL #4 | 4.39 | 4.27 | | 4.52 |
| PULL #5 | 4.30 | 4.16 | | 4.51 |
| TOTAL | | | | |
| AVG. | | | | |

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611697
11 Apr 1991

## CENTROIDAL DISTANCES

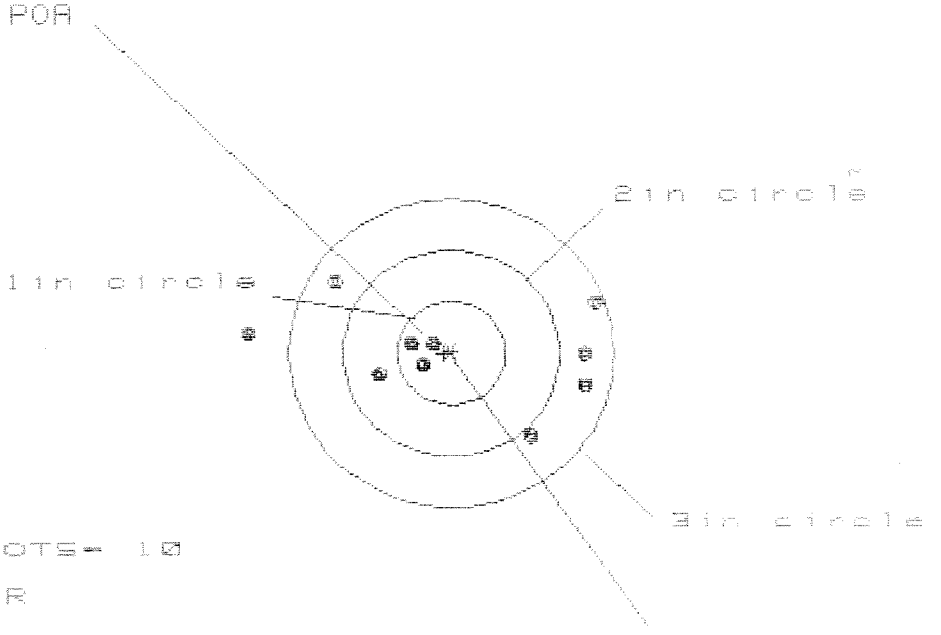
| | | | |
|---|---|---|---|
| 0 | TO | 1 | .0701783 |
| 1 | TO | 2 | .289947 |
| 1 | TO | 3 | .182483 |
| 1 | TO | 4 | .158446 |
| 1 | TO | 5 | .216301 |


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0006
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0672
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0672027

THE AMR FOR THIS RIFLE IS: .9046

01 Apr 1991 FILE:/PATTERNING/CENTERFIRE_PATT/C6611697

# CENTERFIRE PATTERNS # 1

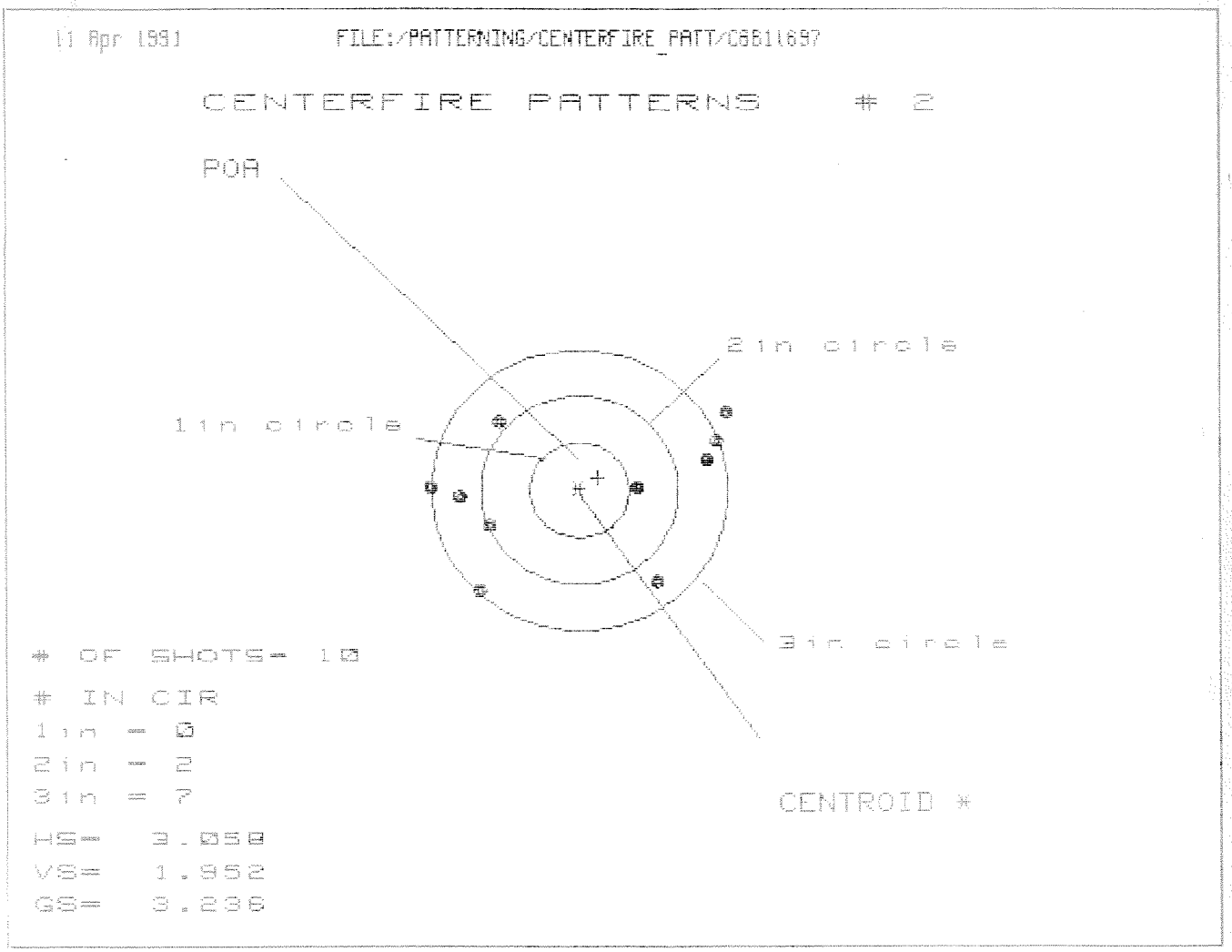



\# OF SHOTS= 10

\# IN CIR
1in = 3
2in = 4
3in = 9

HS= 3.165
VS= 1.498
GS= 3.179

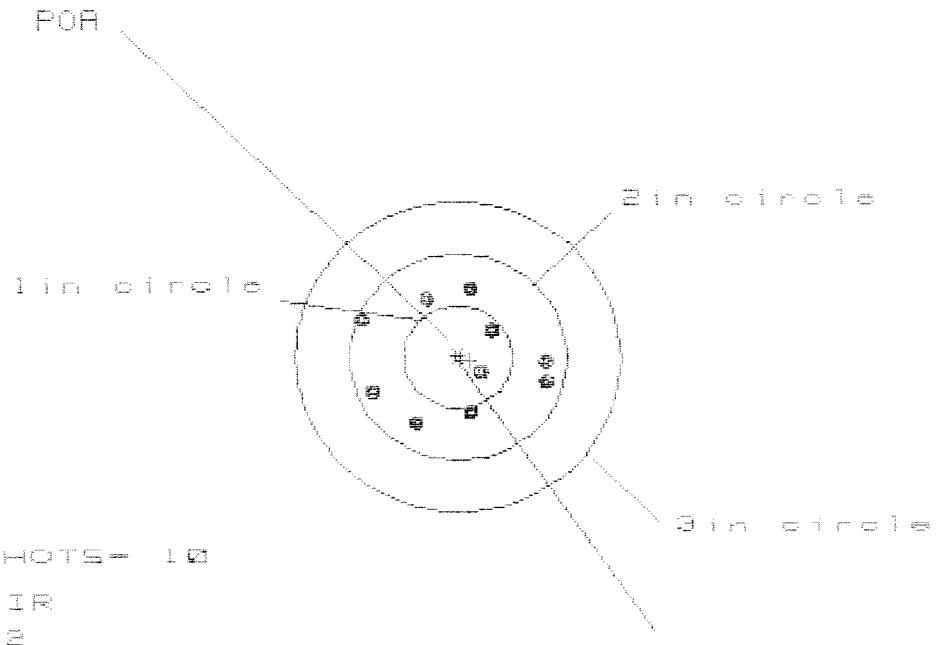
| PATTERN # | : | 1 | | |
|---|---|---|---|---|
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.319 | 1.114 | 1.166 |
| MINIMUM X | : | -1.846 | -1.256 | -1.117 |
| MAXIMUM Y | : | .710 | .726 | .784 |
| MINIMUM Y | : | -.789 | -.773 | -.715 |
| CENTROID X | : | .070 | .275 | .136 |
| CENTROID Y | : | .005 | -.011 | -.069 |
| POA TO CENTROID in. | : | .070 | .275 | .152 |
| MIN RADIUS | : | .208 | .411 | .299 |
| MEAN RADIUS | : | .970 | .898 | .821 |
| MAX RADIUS | : | 1.852 | 1.451 | 1.365 |
| HORIZONTAL SPREAD | : | 3.165 | 2.370 | 2.283 |
| VERTICAL SPREAD | : | 1.499 | 1.499 | 1.499 |
| EXTREME SPREAD | : | 3.179 | 2.501 | 2.501 |
| NUMBER IN ONE INCH CIRCLE | = | | 3 | |
| NUMBER IN TWO INCH CIRCLE | = | | 4 | |
| NUMBER IN THREE INCH CIRCLE | = | | 9 | |




| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 2 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.522 | 1.536 | 1.365 |
| MINIMUM X | : | -1.536 | -1.367 | -1.264 |
| MAXIMUM Y | : | .852 | .851 | .871 |
| MINIMUM Y | : | -1.100 | -1.005 | -.985 |
| CENTROID X | : | -.195 | -.354 | -.183 |
| CENTROID Y | : | -.133 | -.228 | -.248 |
| POA TO CENTROID in. | : | .228 | .421 | .308 |
| MIN RADIUS | : | .602 | .775 | .609 |
| MEAN RADIUS | : | 1.278 | 1.210 | 1.183 |
| MAX RADIUS | : | 1.744 | 1.658 | 1.510 |
| HORIZONTAL SPREAD | : | 3.058 | 2.903 | 2.629 |
| VERTICAL SPREAD | : | 1.952 | 1.856 | 1.856 |
| EXTREME SPREAD | : | 3.236 | 2.940 | 2.922 |
| NUMBER IN ONE INCH CIRCLE | = | | 0 | |
| NUMBER IN TWO INCH CIRCLE | = | | 2 | |
| NUMBER IN THREE INCH CIRCLE | = | | 7 | |

01 Apr 1991 FILE:/PATTERNING/CENTERFIRE_PATT/08011697

# CENTERFIRE PATTERNS # 3




# OF SHOTS= 10

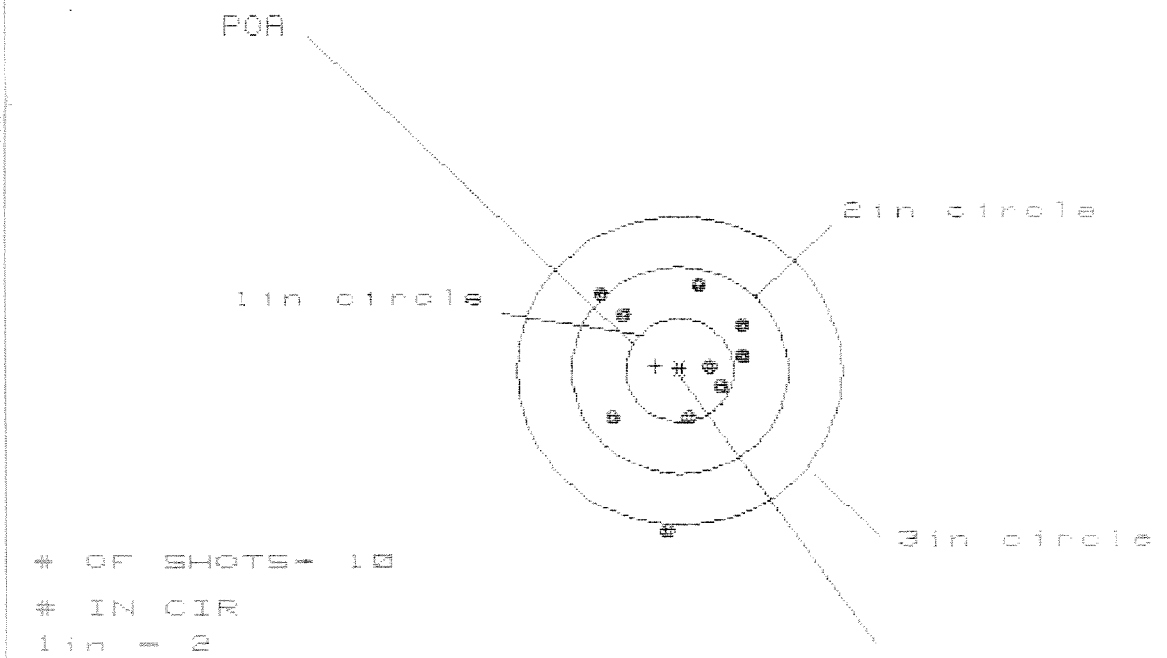
| # IN CIR | |
|---|---|
| 1in = | 2 |
| 2in = | 10 |
| 3in = | 10 |

HS= 1.767
VS= 1.295
GS= 1.806

| PATTERN # | : | 3 | | |
|---|---|---|---|---|
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | .851 | .749 | .760 |
| MINIMUM X | : | -.916 | -.868 | -.774 |
| MAXIMUM Y | : | .630 | .673 | .679 |
| MINIMUM Y | : | -.665 | -.622 | -.616 |
| CENTROID X | : | -.110 | -.008 | -.102 |
| CENTROID Y | : | .035 | -.008 | -.014 |
| POA TO CENTROID in. | : | .115 | .011 | .103 |
| MIN RADIUS | : | .278 | .173 | .244 |
| MEAN RADIUS | : | .678 | .623 | .613 |
| MAX RADIUS | : | .993 | .901 | .810 |
| HORIZONTAL SPREAD | : | 1.767 | 1.617 | 1.534 |
| VERTICAL SPREAD | : | 1.295 | 1.295 | 1.295 |
| EXTREME SPREAD | : | 1.806 | 1.644 | 1.535 |
| NUMBER IN ONE INCH CIRCLE | = | | 2 | |
| NUMBER IN TWO INCH CIRCLE | = | | 10 | |
| NUMBER IN THREE INCH CIRCLE | = | | 10 | |

01 Apr 1991 FILE:/PATTERNING/CENTERFIRE_PATT/C0611697

# CENTERFIRE PATTERNS # 4




\# OF SHOTS= 10

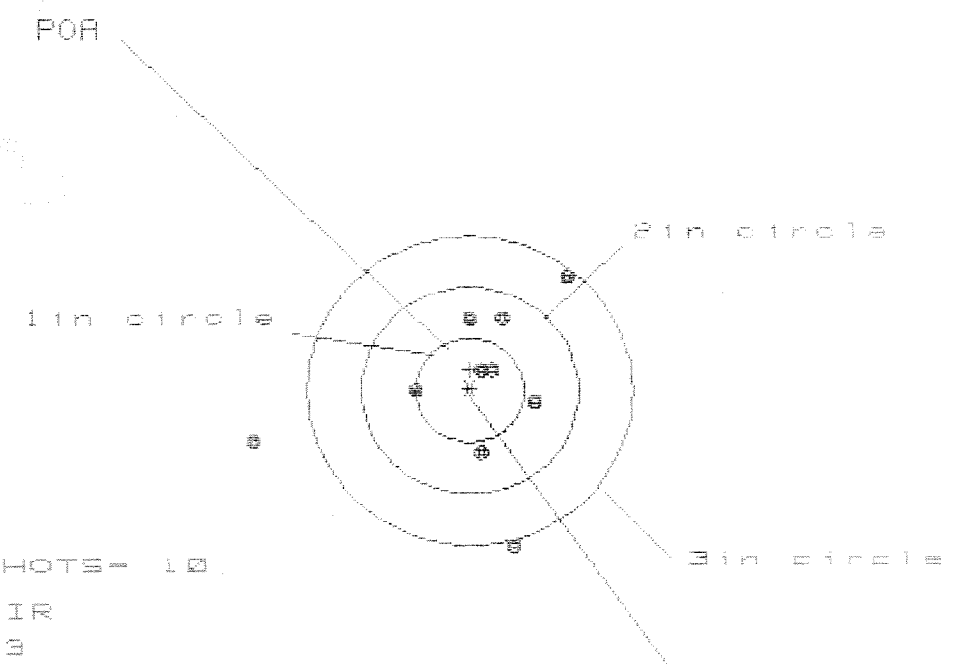
| # IN CIR | |
|---|---|
| 1in = | 2 |
| 2in = | 8 |
| 3in = | 9 |

HS= 1.275
VS= 2.371
GS= 2.388

| PATTERN # | : | 4 | | |
|---|---|---|---|---|
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | .587 | .569 | .481 |
| MINIMUM X | : | -.688 | -.706 | -.732 |
| MAXIMUM Y | : | .836 | .665 | .738 |
| MINIMUM Y | : | -1.535 | -.676 | -.603 |
| CENTROID X | : | .221 | .239 | .327 |
| CENTROID Y | : | -.043 | .128 | .055 |
| POA TO CENTROID in. | : | .225 | .271 | .331 |
| MIN RADIUS | : | .314 | .341 | .229 |
| MEAN RADIUS | : | .742 | .641 | .577 |
| MAX RADIUS | : | 1.543 | .913 | .930 |
| HORIZONTAL SPREAD | : | 1.275 | 1.275 | 1.213 |
| VERTICAL SPREAD | : | 2.371 | 1.341 | 1.341 |
| EXTREME SPREAD | : | 2.389 | 1.514 | 1.514 |
| NUMBER IN ONE INCH CIRCLE | = | | 2 | |
| NUMBER IN TWO INCH CIRCLE | = | | 8 | |
| NUMBER IN THREE INCH CIRCLE | = | | 9 | |

11 Apr 1991 FILE:/PATTERNING/CENTERFIRE_PATT/CGB11697

# CENTERFIRE PATTERNS # 5




# OF SHOTS= 10

# IN CIR
1in = 3
2in = 7
3in = 8

HS= 2.905
VS= 2.555
GS= 3.309

| PATTERN # | : | 5 | | |
|---|---|---|---|---|
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | .899 | .676 | .699 |
| MINIMUM X | : | -2.006 | -.714 | -.692 |
| MAXIMUM Y | : | 1.055 | .997 | .802 |
| MINIMUM Y | : | -1.500 | -1.558 | -.860 |
| CENTROID X | : | .001 | .224 | .202 |
| CENTROID Y | : | -.200 | -.142 | .053 |
| POA TO CENTROID in. | : | .200 | .265 | .208 |
| MIN RADIUS | : | .221 | .122 | .061 |
| MEAN RADIUS | : | .855 | .677 | .531 |
| MAX RADIUS | : | 2.075 | 1.569 | 1.063 |
| HORIZONTAL SPREAD | : | 2.905 | 1.390 | 1.390 |
| VERTICAL SPREAD | : | 2.555 | 2.555 | 1.662 |
| EXTREME SPREAD | : | 3.309 | 2.603 | 1.861 |
| NUMBER IN ONE INCH CIRCLE | = | | 3 | |
| NUMBER IN TWO INCH CIRCLE | = | | 7 | |
| NUMBER IN THREE INCH CIRCLE | = | | 8 | |