

06594633

MODEL 700<sup>TM</sup> M24

Model **SWS** <sup>TM</sup>

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

**Remington®** **DUPONT**  
REG. U.S. PAT. & TM. OFF.

**MODEL 700<sup>TH</sup> H24**

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

VERY IMPORTANT:  
 Instruction Book  
 enclosed to assure  
 safe use of this  
 firearm.

**SERIAL NO.**  
**C6594633**

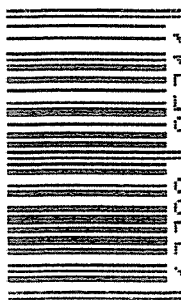
**ORDER NO.**  
**5716**

**20**



5716 C6594633

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594633

| OP. #     | OP. NAME                                                 | READINGS | DATE    | INIT |
|-----------|----------------------------------------------------------|----------|---------|------|
| 575 & 580 | Assemble Action and Stock                                | 3 25 91  |         | Rw   |
| 600       | Proof                                                    | 3 25 91  |         | Rw   |
| 607       | Check Headspace                                          | 3 25 91  |         | Rw   |
| 610       | Dis-assemble Gun                                         | 3 25 91  |         | Rw   |
| 612       | Magnaflux Barrel Action                                  | 3 28 91  |         | KR   |
|           | Magnaflux Bolt                                           | 3 28 91  |         | U    |
| 615       | Rollmark Caliber                                         | 3 28 91  |         | GL   |
| 617       | Drill and Tap Sight Holes                                | APR      | 3 1991  | LB   |
| 618       | Polish Barrel                                            | APR      | 3 1991  | WB   |
| 620       | Apply Coatings (Barrel Action)                           |          |         |      |
|           | Apply Coating (Bolt)                                     |          |         |      |
| 625       | Final Assembly                                           |          |         |      |
|           | A) Clean inside of Bolt Assembly                         |          | 4/16/91 | Rw   |
|           | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head |          | 4/16/91 | Rw   |
|           | C) Inspect Ejector Hole for Chamfer                      |          | 4/16/91 | Rw   |
|           | D) Oil Firing Pin Ass'y                                  |          | 4/16/91 | Rw   |
|           | E) Adjust Trigger Pull to Min Setting and Stake          |          | 5/7/91  | HL   |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 6        | 6    | 6    |      |      | 5-8-91  | DH   |
|              | G) Safety Off Force                                         | 3        | 3    | 3    |      |      | 5-8-91  | DH   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 5/7/91  | JH   |
|              | I) Firing Pin Indent                                        | .020     | .022 | .020 |      |      | 5-8-91  | DH   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 5/8/91  | Rw   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 5-21-91 | DH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 5/8/91  | Rw   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 5/8/91  | Rw   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 5/8/91  | Rw   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 5/8/91  | Rw   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 5/8/91  | Rw   |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 5-8-91  | AF   |
|              | A) Time                                                     |          |      |      |      |      | "       | AF   |
|              | B) Malfunctions                                             |          |      |      |      |      | "       | AF   |
|              | C) Pierced Primers                                          |          |      |      |      |      | "       | AF   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      | "       | AF   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 5-8-91  | AF   |
| 655          | Final Inspection                                            |          |      |      |      |      |         |      |
|              | A) Headspace                                                |          |      |      |      |      | 5-21-91 | DH   |
|              | B) Trigger Pull                                             | 2.14     | 2.10 | 2.54 | 2.65 | 2.55 | 5/20/91 | JH   |
|              | C) Function                                                 |          |      |      |      |      | 5-21-91 | DH   |
| 660          | Pack                                                        |          |      |      |      |      | 6-8-91  | DH   |

SWS TRIGGER PULL TEST

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

SERIAL NO. C6594633

DATE 5/7/91

TESTER SH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.24             | 2.20                     | 2.22                           | 2.66 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.22             | 2.18                     | 2.26                           | 2.60 |                                                                        |
| PULL #3 | 2.22             | 2.18                     | 2.30                           | 2.59 |                                                                        |
| PULL #4 | 2.22             | 2.18                     | 2.19                           | 2.55 |                                                                        |
| PULL #5 | 2.19             | 2.17                     | 2.19                           | 2.55 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.25             | 3.34                     |  |          |
| PULL #2 | 3.36             | 3.29                     |  |          |
| PULL #3 | 3.34             | 3.26                     |  |          |
| PULL #4 | 3.37             | 3.29                     |  |          |
| PULL #5 | 3.36             | 3.33                     |  |          |
| TOTAL   |                  |                          |  |          |
| AVG.    |                  |                          |  |          |

|         | 4.00#<br>INITIAL | 4.00# AFTER<br>20 CYCLES | MAX SETTING<br>GREATER THAN 4# | RESET TO 4# FOR<br>TARGET & ACCURACY |
|---------|------------------|--------------------------|--------------------------------|--------------------------------------|
| PULL #1 | 4.33             | 4.41                     |                                | 4.46                                 |
| PULL #2 | 4.36             | 4.35                     |                                | 4.41                                 |
| PULL #3 | 4.39             | 4.41                     |                                | 4.47                                 |
| PULL #4 | 4.41             | 4.36                     |                                | 4.46                                 |
| PULL #5 | 4.43             | 4.44                     |                                | 4.46                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6594633  
8 May 1991

CENTROIDAL DISTANCES

|      |   |          |
|------|---|----------|
| 0 TO | 1 | .0777817 |
| 1 TO | 2 | .187115  |
| 1 TO | 3 | .287924  |
| 1 TO | 4 | .110635  |
| 1 TO | 5 | .146751  |

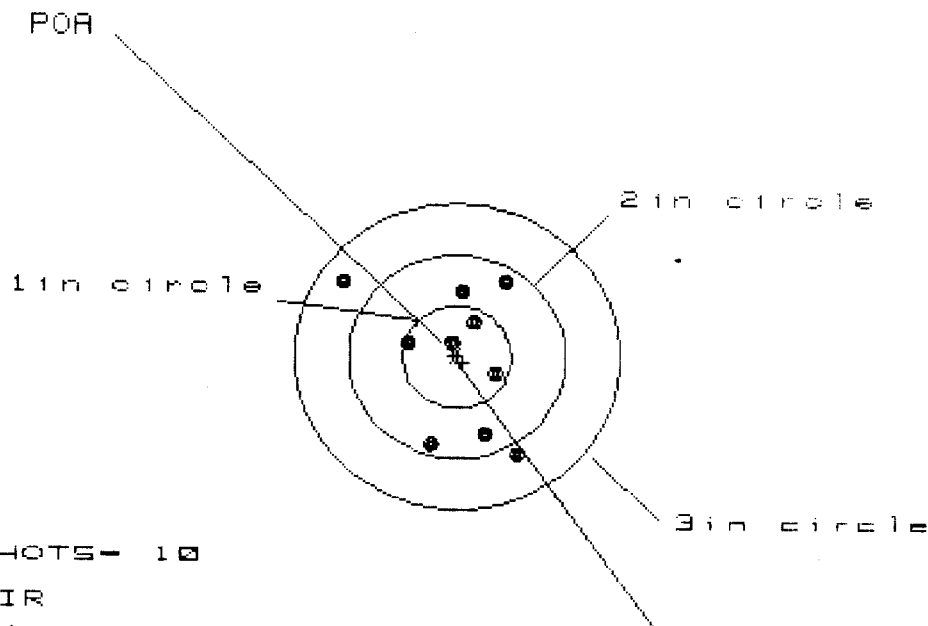
26 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0062  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .055  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0350404  
THE AMR FOR THIS RIFLE IS: 1.028

May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/06594633

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 4

2in = 8

3in = 10

HS= 1.667

VS= 1.652

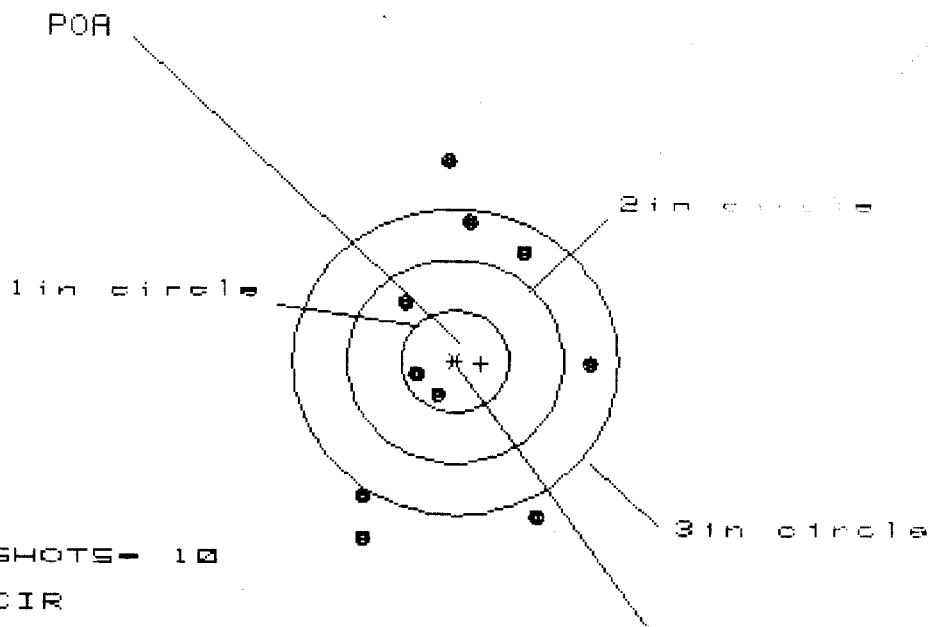
GS= 2.347

|                             |   |        |       |       |
|-----------------------------|---|--------|-------|-------|
| PATTERN #                   | : | 1      |       |       |
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | .592   | .472  | .387  |
| MINIMUM X                   | : | -1.075 | -.528 | -.469 |
| MAXIMUM Y                   | : | .720   | .778  | .672  |
| MINIMUM Y                   | : | -.932  | -.852 | -.856 |
| CENTROID X                  | : | -.055  | .065  | .006  |
| CENTROID Y                  | : | .055   | -.025 | .081  |
| POA TO CENTROID in.         | : | .077   | .070  | .081  |
| MIN RADIUS                  | : | .175   | .231  | .171  |
| MEAN RADIUS                 | : | .692   | .626  | .559  |
| MAX RADIUS                  | : | 1.294  | .974  | .920  |
| HORIZONTAL SPREAD           | : | 1.667  | 1.000 | .856  |
| VERTICAL SPREAD             | : | 1.652  | 1.630 | 1.528 |
| EXTREME SPREAD              | : | 2.347  | 1.690 | 1.690 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 4     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 8     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10    |       |

8 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/06534633

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 3

3 in = 6

HS= 2.120

VS= 3.683

GS= 3.782

CENTROID \*

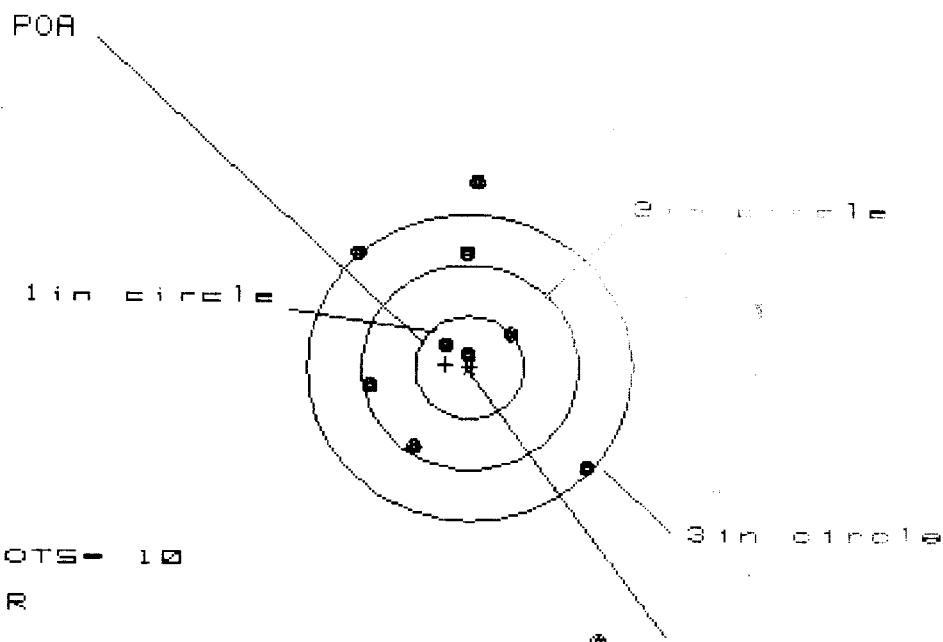
| PATTERN #                   | : | 10     | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.225  | 1.224  | 1.115  |
| MINIMUM X                   | : | -.895  | -.896  | -1.005 |
| MAXIMUM Y                   | : | 1.978  | 1.587  | 1.401  |
| MINIMUM Y                   | : | -1.705 | -1.485 | -1.476 |
| CENTROID X                  | : | -.239  | -.238  | -.129  |
| CENTROID Y                  | : | .021   | -.199  | -.013  |
| POR TO CENTROID in.         | : | .240   | .310   | .130   |
| MIN RADIUS                  | : | .334   | .183   | .377   |
| MEAN RADIUS                 | : | 1.243  | 1.146  | 1.078  |
| MAX RADIUS                  | : | 1.978  | 1.722  | 1.608  |
| HORIZONTAL SPREAD           | : | 2.120  | 2.120  | 2.120  |
| VERTICAL SPREAD             | : | 3.683  | 3.072  | 2.877  |
| EXTREME SPREAD              | : | 3.782  | 3.223  | 2.948  |
| NUMBER IN ONE INCH CIRCLE   | = | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 3      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 6      |        |        |



6 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/06594633

# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1 in = 3

2 in = 5

3 in = 6

HS= 2.203

VS= 4.473

GS= 4.594

CENTROID \*

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.142  | 1.240  | 1.268  |
| MINIMUM X                     | -1.061 | -.934  | -.906  |
| MAXIMUM Y                     | 1.792  | 1.494  | .975   |
| MINIMUM Y                     | -2.681 | -1.319 | -1.133 |
| CENTROID X                    | .221   | .094   | .066   |
| CENTROID Y                    | -.027  | .271   | .085   |
| POA TO CENTROID in.           | .222   | .287   | .107   |
| MIN RADIUS                    | .141   | .137   | .184   |
| MEAN RADIUS                   | 1.163  | .914   | .835   |
| MAX RADIUS                    | 2.915  | 1.811  | 1.700  |
| HORIZONTAL SPREAD             | 2.203  | 2.174  | 2.174  |
| VERTICAL SPREAD               | 4.473  | 2.813  | 2.108  |
| EXTREME SPREAD                | 4.594  | 3.028  | 3.028  |
| NUMBER IN ONE INCH CIRCLE =   | 3      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 6      |        |        |

6 May 1991

FILE PATTERNING/CENTERFIRE\_PATT/C6594633

# CENTERFIRE PATTERNS

# 4

POA

1 in circle

3 in circle

CENTROID \*

# OF SHOTS - 10

# IN CIR

1 in = 1

2 in = 4

3 in = 7

HS = 3.749

VS = 4.000

GS = 4.610

| PATTERN #                   | : | 4      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.710  | 1.157  | .926   |
| MINIMUM X                   | : | -2.039 | -1.849 | -.658  |
| MAXIMUM Y                   | : | 1.897  | 1.664  | 1.555  |
| MINIMUM Y                   | : | -2.103 | -1.236 | -1.345 |
| CENTROID X                  | : | .053   | -.137  | .094   |
| CENTROID Y                  | : | .031   | .265   | .374   |
| POA TO CENTROID in.         | : | .061   | .299   | .385   |
| MIN RADIUS                  | : | .397   | .378   | .126   |
| MEAN RADIUS                 | : | 1.313  | 1.132  | .984   |
| MAX RADIUS                  | : | 2.710  | 2.043  | 1.675  |
| HORIZONTAL SPREAD           | : | 3.749  | 3.006  | 1.584  |
| VERTICAL SPREAD             | : | 4.000  | 2.900  | 2.900  |
| EXTREME SPREAD              | : | 4.610  | 3.270  | 2.922  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

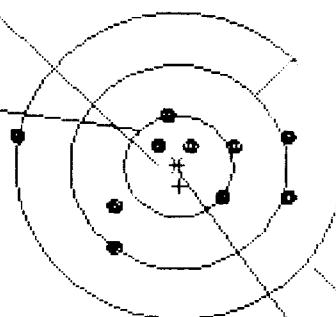
6 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6594633

# CENTERFIRE PATTERNS # 5

POA

1in circle



3in circle

# OF SHOTS- 10

# IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.500

VS= 1.233

GS= 2.531

CENTROID #

|                               |   |        |       |       |
|-------------------------------|---|--------|-------|-------|
| PATTERN #                     | : | 5      |       |       |
| SHOTS (BEST OF)               | : | 10     | 9     | 8     |
| MAXIMUM X                     | : | 1.007  | .841  | .920  |
| MINIMUM X                     | : | -1.493 | -.787 | -.682 |
| MAXIMUM Y                     | : | .487   | .516  | .554  |
| MINIMUM Y                     | : | -.747  | -.717 | -.679 |
| CENTROID X                    | : | -.011  | .155  | .050  |
| CENTROID Y                    | : | .195   | .165  | .127  |
| POA TO CENTROID in.           | : | .195   | .227  | .137  |
| MIN RADIUS                    | : | .250   | .243  | .288  |
| MEAN RADIUS                   | : | .727   | .626  | .594  |
| MAX RADIUS                    | : | 1.516  | 1.065 | .962  |
| HORIZONTAL SPREAD             | : | 2.500  | 1.628 | 1.602 |
| VERTICAL SPREAD               | : | 1.233  | 1.233 | 1.233 |
| EXTREME SPREAD                | : | 2.531  | 1.923 | 1.671 |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 3     |       |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 7     |       |
| NUMBER IN THREE INCH CIRCLE = |   |        | 9     |       |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06594633  
14 May 1991

CENTROIDAL DISTANCES

|        |         |
|--------|---------|
| 0 TO 1 | .554034 |
| 1 TO 2 | .318159 |
| 1 TO 3 | .619242 |
| 1 TO 4 | .363373 |
| 1 TO 5 | .296022 |

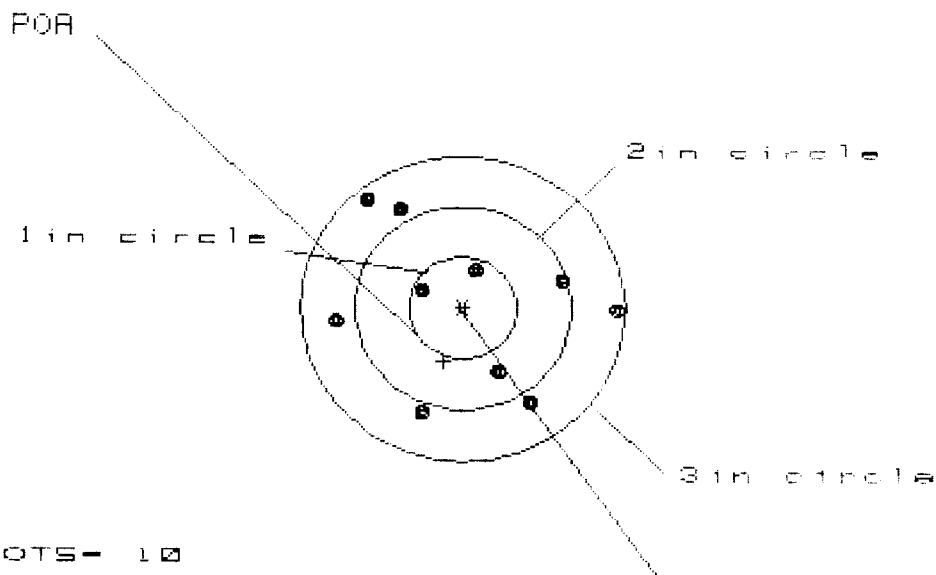
 <----POI

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .128  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2494  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .288329  
THE AMR FOR THIS RIFLE IS: .8822

14 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8594633.1

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 4

3in = 10

HS= 2.569

VS= 2.147

GS= 2.572

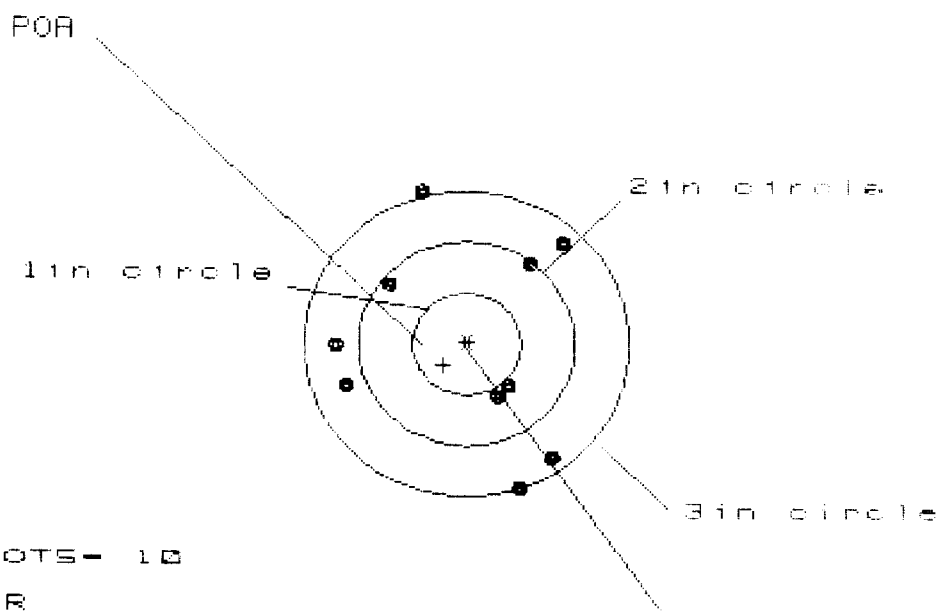
CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 1      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.404  | 1.077  | .987   |
| MINIMUM X                   | : | -1.165 | -1.009 | -1.099 |
| MAXIMUM Y                   | : | 1.098  | 1.094  | 1.063  |
| MINIMUM Y                   | : | -1.049 | -1.053 | -.916  |
| CENTROID X                  | : | .177   | .021   | .111   |
| CENTROID Y                  | : | .525   | .529   | .392   |
| POA TO CENTROID in.         | : | .554   | .530   | .408   |
| MIN RADIUS                  | : | .403   | .263   | .420   |
| MEAN RADIUS                 | : | .983   | .923   | .875   |
| MAX RADIUS                  | : | 1.405  | 1.309  | 1.179  |
| HORIZONTAL SPREAD           | : | 2.569  | 2.086  | 2.086  |
| VERTICAL SPREAD             | : | 2.147  | 2.147  | 1.980  |
| EXTREME SPREAD              | : | 2.572  | 2.565  | 2.255  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |

14 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6594633.1

# CENTERFIRE PATTERNS # 2



# OF SHOTS - 10

# IN CIR

1in = 0

2in = 4

3in = 8

HS = 2.055

VS = 2.923

GS = 3.055

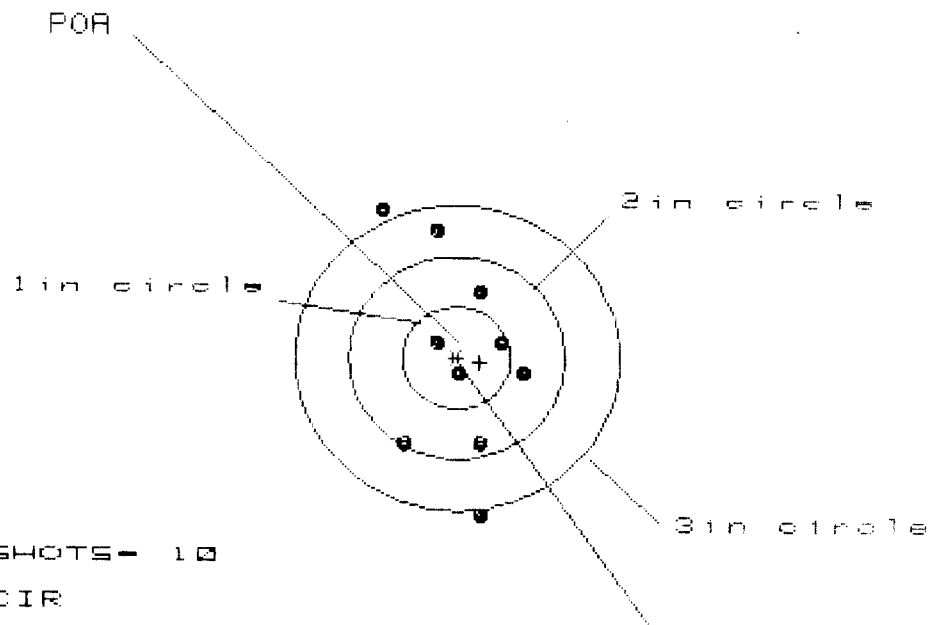
CENTROID \*

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 2      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .886   | .937   | .890   |
| MINIMUM X                   | : | -1.169 | -1.118 | -1.165 |
| MAXIMUM Y                   | : | 1.465  | 1.303  | 1.095  |
| MINIMUM Y                   | : | -1.458 | -1.290 | -1.127 |
| CENTROID X                  | : | .214   | .163   | .210   |
| CENTROID Y                  | : | .209   | .371   | .208   |
| POA TO CENTROID in.         | : | .299   | .405   | .295   |
| MIN RADIUS                  | : | .557   | .706   | .559   |
| MEAN RADIUS                 | : | 1.108  | 1.058  | 1.003  |
| MAX RADIUS                  | : | 1.528  | 1.517  | 1.354  |
| HORIZONTAL SPREAD           | : | 2.055  | 2.055  | 2.055  |
| VERTICAL SPREAD             | : | 2.923  | 2.593  | 2.132  |
| EXTREME SPREAD              | : | 3.055  | 2.848  | 2.398  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

14 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6594633.1

# CENTERFIRE PATTERNS # 3



# OF SHOTS - 10

# IN CIR

1in - 3

2in - 7

3in - 8

HS - 1.329

VS - 3.024

GS - 3.153

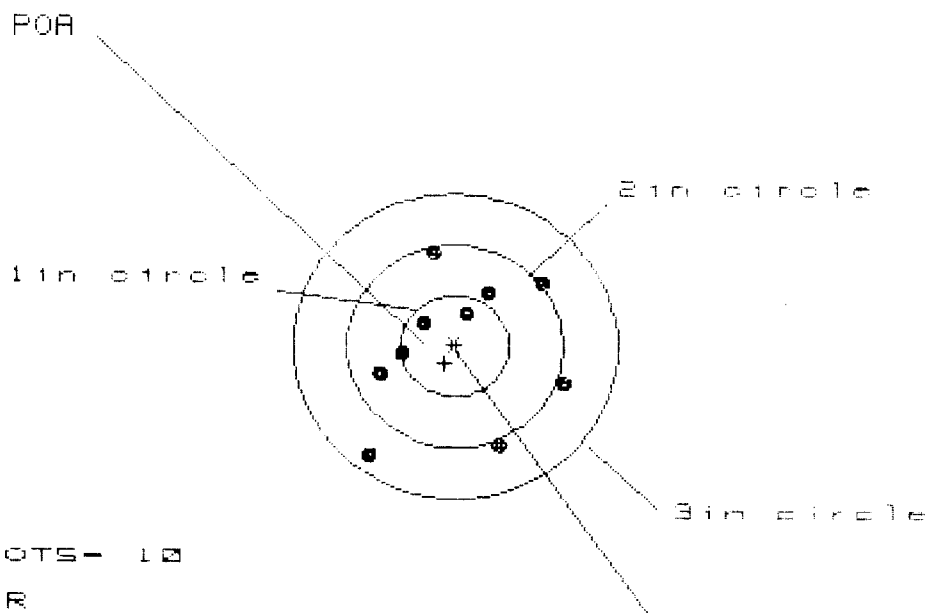
CENTROID \*

| PATTERN #                     | 3      | 3      | 3     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | .639   | .661   | .578  |
| MINIMUM X                     | -.690  | -.668  | -.595 |
| MAXIMUM Y                     | 1.438  | 1.262  | 1.208 |
| MINIMUM Y                     | -1.586 | -1.015 | -.857 |
| CENTROID X                    | -.213  | -.235  | -.152 |
| CENTROID Y                    | .044   | .220   | .062  |
| POA TO CENTROID in.           | .217   | .322   | .164  |
| MIN RADIUS                    | .113   | .175   | .149  |
| MEAN RADIUS                   | .839   | .758   | .648  |
| MAX RADIUS                    | 1.599  | 1.428  | 1.240 |
| HORIZONTAL SPREAD             | 1.329  | 1.329  | 1.173 |
| VERTICAL SPREAD               | 3.024  | 2.277  | 2.065 |
| EXTREME SPREAD                | 3.153  | 2.444  | 2.105 |
| NUMBER IN ONE INCH CIRCLE =   | 3      | 3      | 3     |
| NUMBER IN TWO INCH CIRCLE =   | 7      | 7      | 7     |
| NUMBER IN THREE INCH CIRCLE = | 8      | 8      | 8     |

14 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6594633.1

# CENTERFIRE PATTERNS # 4



# OF SHOTS - 10

# IN CIR

1 in - 3

2 in - 6

3 in - 10

HS - 1.788

VS - 1.988

GS - 2.338

CENTROID #

| PATTERN #                   | : | 4      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .958   | .866   | .780   |
| MINIMUM X                   | : | -.830  | -.823  | -.715  |
| MAXIMUM Y                   | : | .932   | .815   | .754   |
| MINIMUM Y                   | : | -1.056 | -1.056 | -1.117 |
| CENTROID X                  | : | .095   | .187   | .079   |
| CENTROID Y                  | : | .171   | .288   | .349   |
| POR TO CENTROID in.         | : | .195   | .343   | .358   |
| MIN RADIUS                  | : | .325   | .196   | .169   |
| MEAN RADIUS                 | : | .797   | .714   | .653   |
| MAX RADIUS                  | : | 1.343  | 1.101  | 1.194  |
| HORIZONTAL SPREAD           | : | 1.788  | 1.689  | 1.495  |
| VERTICAL SPREAD             | : | 1.988  | 1.871  | 1.871  |
| EXTREME SPREAD              | : | 2.338  | 1.960  | 1.960  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |



14 May 1991

FILE: PATTERNING/CENTERFIRE\_PATT-06534633.1

# CENTERFIRE PATTERNS # 5

FOR

1 in circle

2 in circle

3 in circle

CENTROID #

# OF SHOTS- 10

# IN CIR

1 in = 5

2 in = 7

3 in = 10

HS= 1.900

VS= 1.686

GS= 2.344

| PATTERN #                     | 5      | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | .714   | .582   | .631   |
| MINIMUM X                     | -1.186 | -1.134 | -1.035 |
| MAXIMUM Y                     | .731   | .803   | .692   |
| MINIMUM Y                     | -.955  | -.883  | -.360  |
| CENTROID X                    | .367   | .499   | .449   |
| CENTROID Y                    | .298   | .226   | .337   |
| FOR TO CENTROID in.           | .473   | .548   | .562   |
| MIN RADIUS                    | .101   | .049   | .087   |
| MEAN RADIUS                   | .684   | .580   | .542   |
| MAX RADIUS                    | 1.349  | 1.134  | 1.091  |
| HORIZONTAL SPREAD             | 1.900  | 1.716  | 1.716  |
| VERTICAL SPREAD               | 1.686  | 1.686  | 1.052  |
| EXTREME SPREAD                | 2.344  | 1.819  | 1.819  |
| NUMBER IN ONE INCH CIRCLE =   | 5      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 7      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |        |