

C6611774

MODEL 700<sup>TM</sup> M24

Model **SMS** <sup>TM</sup>

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*




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

REG. U.S. PAT. & TM. OFF.

MODEL 700<sup>TM</sup> M24

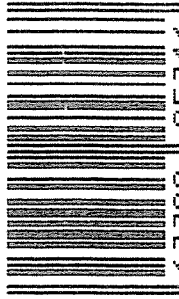
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off., Marca Registrada Marque Deposee.

SERIAL NO.  
C6611774

ORDER NO.  
5716

46

UPC



0 47700 25716 7



5716 C6611774

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611774

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 3 28     | 91      | Rw   |
| 600          | Proof                                                          | 3 28     | 91      | Rw   |
| 607          | Check Headspace                                                | 3 28     | 91      | Rw   |
| 610          | Dis-assemble Gun                                               | 3 28     | 91      | Rw   |
| 612          | Magnaflux Barrel<br>Action                                     | APR      | 2 1991  | KR   |
|              | Magnaflux Bolt                                                 | APR      | 2 1991  | K    |
| 615          | Rollmark Caliber                                               | APR      | 2 1991  | JS   |
| 617          | Drill and Tap Sight Holes                                      | APR      | 5 1991  | FB   |
| 618          | Polish Barrel                                                  | APR      | 5 1991  | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 4-9-91  | JS   |
|              | Apply Coating (Bolt)                                           |          |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 4/10/91 | Rw   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 4/10/91 | Rw   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 4/10/91 | Rw   |
|              | D) Oil Firing Pin Ass'y                                        |          | 4/10/91 | Rw   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 4/12/91 | JS   |

| op. #        | OP. NAME                                                    | READINGS |       |       |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 4        | 4     | 4     |      |      | 4/17/91 | JH   |
|              | G) Safety Off Force                                         | 4        | 4     | 4     |      |      | 4/17/91 | JH   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |      |      | 4/17/91 | JH   |
|              | I) Firing Pin Indent                                        | .023     | .0235 | .0235 |      |      | 4/17/91 | JH   |
|              | J) Assemble Stock                                           |          |       |       |      |      | 4/23/91 | RW   |
|              | K) Assemble Swivel Studs                                    |          |       |       |      |      | 5-2-91  | DH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |      |      | 4/23/91 | RW   |
|              | M) Iron Sight Alignment                                     |          |       |       |      |      | 4/23/91 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |      |      | 4/23/91 | RW   |
|              | O) Attach Scope to Rifle                                    |          |       |       |      |      | 4/23/91 | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |      |      | 4/23/91 | RW   |
| 640          | Gallery Target & Test                                       |          |       |       |      |      | 4-24-91 | AC   |
|              | A) Time                                                     |          |       |       |      |      | 4-24-91 | AC   |
|              | B) Malfunctions                                             |          |       |       |      |      | 4-24-91 | AC   |
|              | C) Pierced Primers                                          |          |       |       |      |      | 4-24-91 | AC   |
|              | D) Optical Clarity of Scope                                 |          |       |       |      |      | 4-24-91 | AC   |
| 645          | Inspect for Live Ammo                                       |          |       |       |      |      | 4-24-91 | AC   |
| 655          | Final Inspection                                            |          |       |       |      |      |         |      |
|              | A) Headspace                                                |          |       |       |      |      | 5-2-91  | DH   |
|              | B) Trigger Pull                                             | 2.38     | 2.54  | 2.54  | 2.48 | 2.55 | 4/26/91 | JH   |
|              | C) Function                                                 |          |       |       |      |      | 5-2-91  | DH   |
| 660          | Pack                                                        |          |       |       |      |      | 6-18-91 | NF   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611774

DATE 4/17/91

TESTER JH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.32             | 2.40                     | 2.38                           | 2.38 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.32             | 2.40                     | 2.43                           | 2.54 |                                                                        |
| PULL #3 | 2.31             | 2.38                     | 2.43                           | 2.54 |                                                                        |
| PULL #4 | 2.34             | 2.38                     | 2.36                           | 2.48 |                                                                        |
| PULL #5 | 2.37             | 2.36                     | 2.38                           | 2.55 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.37             | 3.60                     |  |          |
| PULL #2 | 3.48             | 3.61                     |  |          |
| PULL #3 | 3.36             | 3.52                     |  |          |
| PULL #4 | 3.60             | 3.32                     |  |          |
| PULL #5 | 3.56             | 3.35                     |  |          |
| 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 | 4.37             | 4.56                     |                                | 4.47                                 |
| PULL #2 | 4.37             | 4.47                     |                                | 4.50                                 |
| PULL #3 | 4.45             | 4.53                     |                                | 4.54                                 |
| PULL #4 | 4.43             | 4.47                     |                                | 4.53                                 |
| PULL #5 | 4.52             | 4.53                     |                                | 4.56                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6611774  
24 Apr 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| Ø TO | 1 | .139463 |
| 1 TO | 2 | 1.0802  |
| 1 TO | 3 | .486001 |
| 1 TO | 4 | .786649 |
| 1 TO | 5 | .787254 |

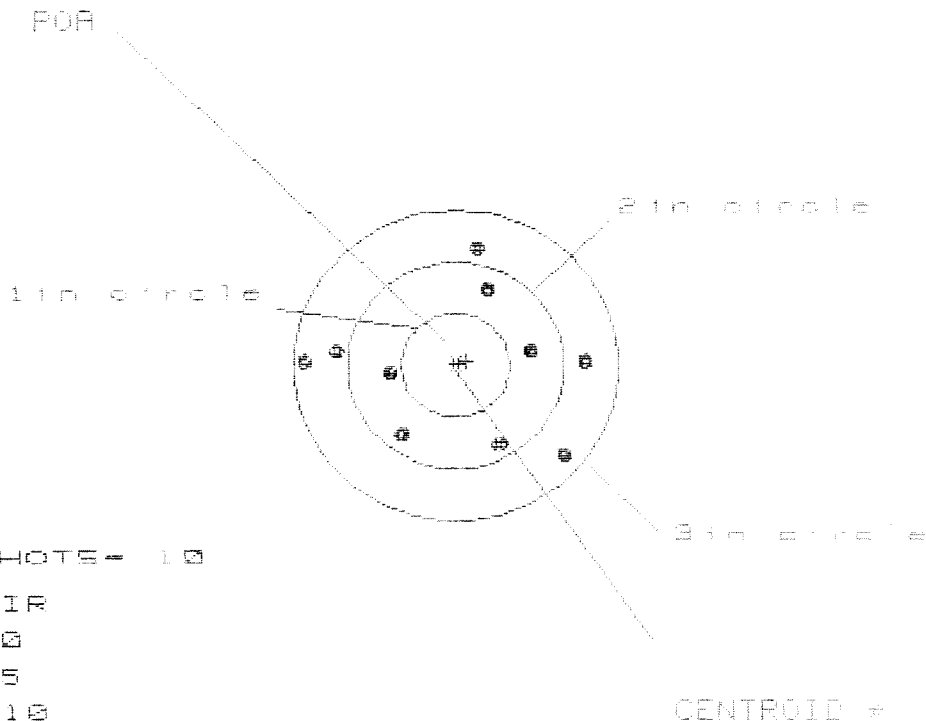
5  
3  
2 4 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0816  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1446  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .166035  
THE AMR FOR THIS RIFLE IS: 1.086

24 Apr 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8611774

# CENTERFIRE PATTERNS # 1



# OF SHOTS - 10

# IN CIR

1in = 0

2in = 5

3in = 10

HS = 2.556

VS = 1.991

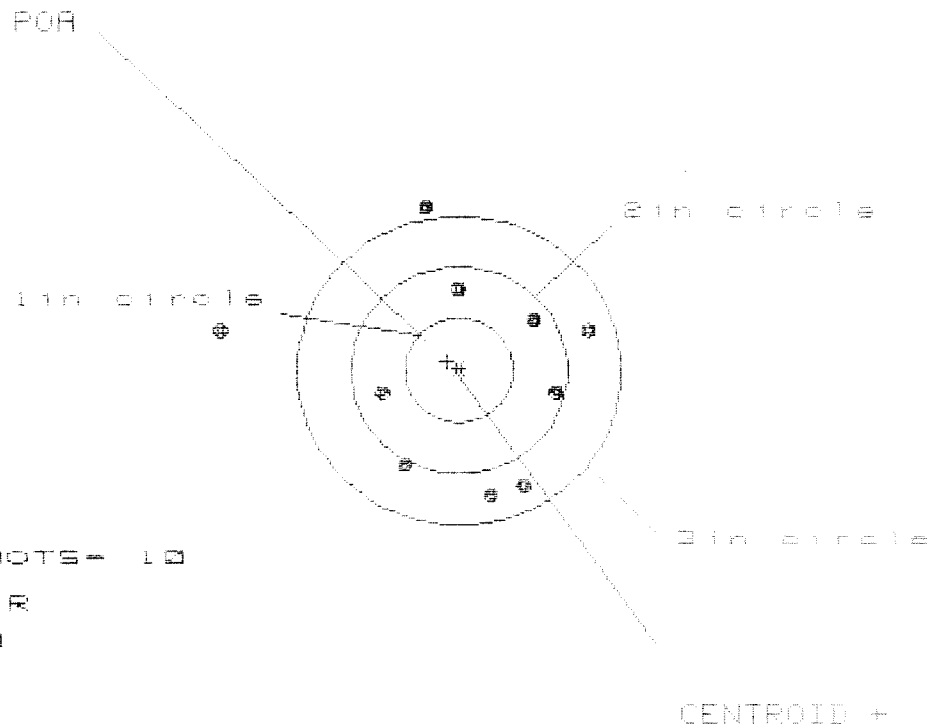
GS = 2.556

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 1      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.153  | 1.998  | 1.097  |
| MINIMUM X                   | : | -1.403 | -1.307 | -1.208 |
| MAXIMUM Y                   | : | 1.168  | 1.171  | 1.069  |
| MINIMUM Y                   | : | -.823  | -.820  | -.899  |
| CENTROID X                  | : | -.097  | .059   | -.040  |
| CENTROID Y                  | : | -.036  | -.039  | .063   |
| POA TO CENTROID in.         | : | .103   | .071   | .075   |
| MIN RADIUS                  | : | .583   | .568   | .643   |
| MEAN RADIUS                 | : | .996   | .939   | .907   |
| MAX RADIUS                  | : | 1.403  | 1.320  | 1.211  |
| HORIZONTAL SPREAD           | : | 2.556  | 2.305  | 2.305  |
| VERTICAL SPREAD             | : | 1.991  | 1.991  | 1.968  |
| EXTREME SPREAD              | : | 2.556  | 2.325  | 2.311  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |

24 Apr 1981

FILE:/PATTERNING/CENTERFIRE\_PATT/0651177+

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1 in = 0

2 in = 4

3 in = 8

HS= 3.399

VS= 2.720

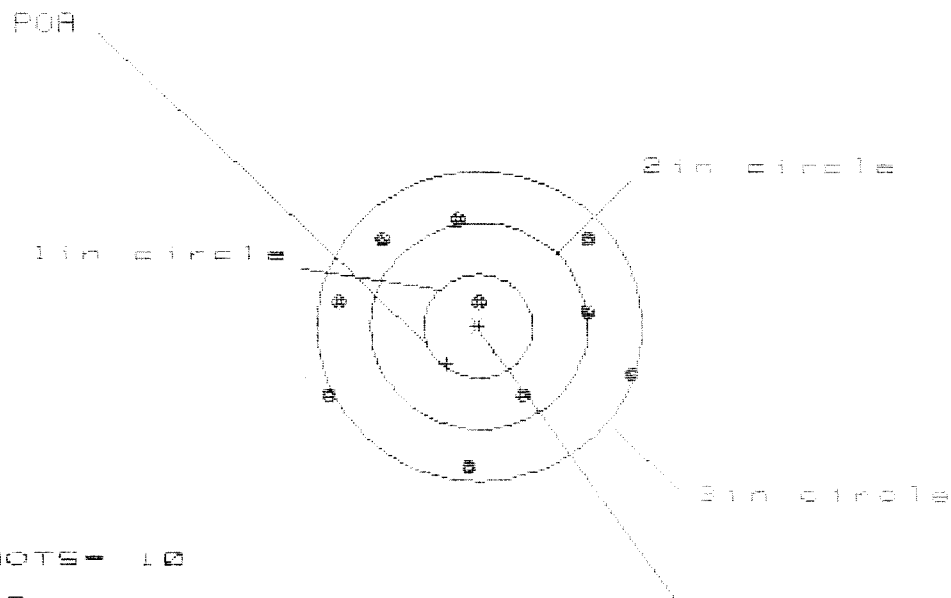
GS= 3.399

|                             |   |        |        |       |
|-----------------------------|---|--------|--------|-------|
| PATTERN #                   | : | 2      |        |       |
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.232  | .992   | .902  |
| MINIMUM X                   | : | -2.167 | -.908  | -.978 |
| MAXIMUM Y                   | : | 1.549  | 1.592  | .980  |
| MINIMUM Y                   | : | -1.171 | -1.128 | -.929 |
| CENTROID X                  | : | .109   | .349   | .419  |
| CENTROID Y                  | : | -.087  | -.130  | -.329 |
| POA TO CENTROID in.         | : | .139   | .373   | .533  |
| MIN RADIUS                  | : | .700   | .644   | .550  |
| MEAN RADIUS                 | : | 1.173  | 1.026  | .923  |
| MAX RADIUS                  | : | 2.200  | 1.686  | 1.102 |
| HORIZONTAL SPREAD           | : | 3.399  | 1.900  | 1.900 |
| VERTICAL SPREAD             | : | 2.720  | 2.720  | 1.909 |
| EXTREME SPREAD              | : | 3.399  | 2.788  | 2.168 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |       |

24 Apr 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8611774

# CENTERFIRE PATTERNS # 3



# OF SHOTS - 10

# IN CIR

1 in = 1

2 in = 2

3 in = 7

HS = 2.718

VS = 2.417

GS = 2.821

CENTROID \*

| PATTERN #                   | : | 3      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 9      |
| MAXIMUM X                   | : | 1.366  | 1.216  | 1.040  |
| MINIMUM X                   | : | -1.352 | -1.457 | -1.305 |
| MAXIMUM Y                   | : | 1.037  | .959   | .888   |
| MINIMUM Y                   | : | -1.380 | -1.458 | -1.530 |
| CENTROID X                  | : | .295   | .445   | .293   |
| CENTROID Y                  | : | .362   | .440   | .511   |
| POA TO CENTROID in.         | : | .457   | .626   | .590   |
| MIN RADIUS                  | : | .239   | .220   | .090   |
| MEAN RADIUS                 | : | 1.128  | 1.064  | 1.011  |
| MAX RADIUS                  | : | 1.524  | 1.472  | 1.530  |
| HORIZONTAL SPREAD           | : | 2.718  | 2.673  | 2.345  |
| VERTICAL SPREAD             | : | 2.417  | 2.417  | 2.417  |
| EXTREME SPREAD              | : | 2.821  | 2.763  | 2.432  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

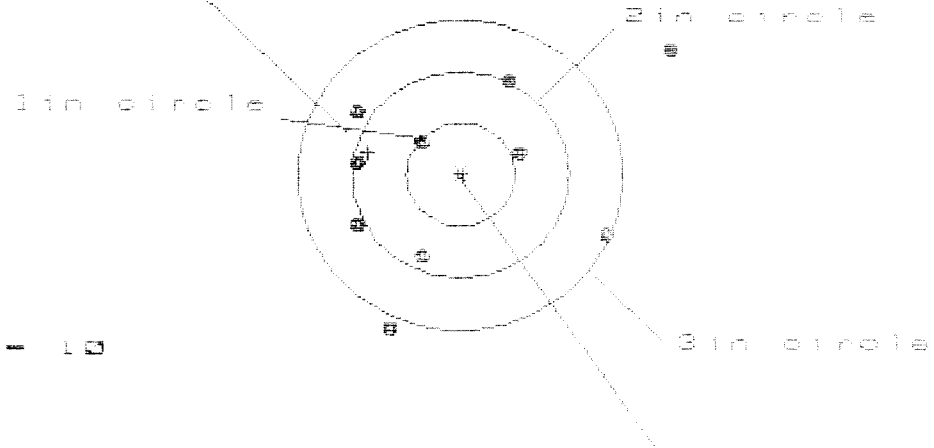
24 Apr 1991

FILE://PATTERNING/CENTERFIRE\_PATT/08611774

# CENTERFIRE PATTERNS

# 4

POA



# OF SHOTS = 10

# IN CIR

1 in = 1

2 in = 4

3 in = 8

IS = 0.941

VS = 0.700

CS = 0.778

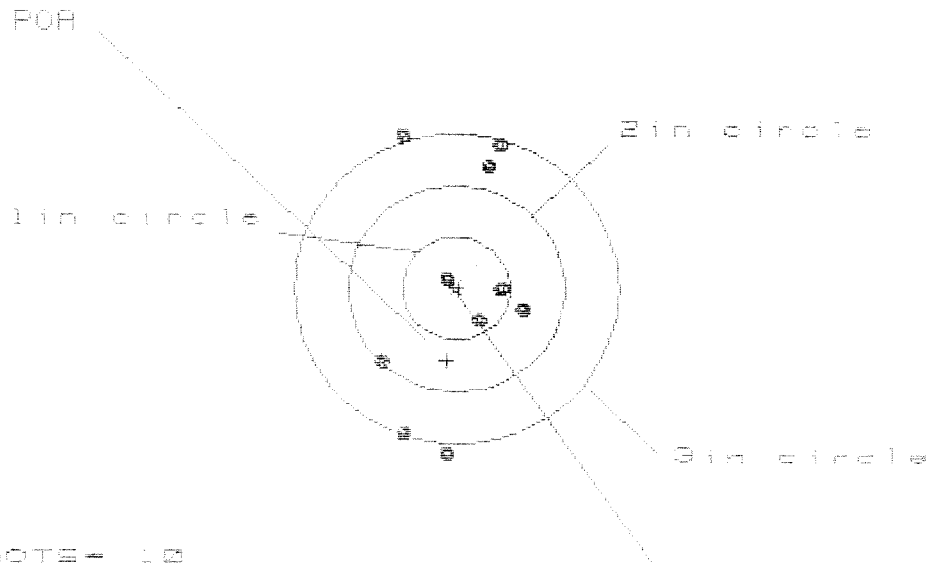
CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 4      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.947  | 1.565  | 1.566  |
| MINIMUM X                   | : | -1.994 | -1.777 | -1.836 |
| MAXIMUM Y                   | : | 1.210  | 1.022  | .852   |
| MINIMUM Y                   | : | -1.498 | -1.364 | -1.810 |
| CENTROID X                  | : | .855   | .638   | .697   |
| CENTROID Y                  | : | -.216  | -.350  | -.180  |
| POA TO CENTROID in.         | : | .882   | .728   | .720   |
| MIN RADIUS                  | : | .464   | .447   | .325   |
| MEAN RADIUS                 | : | 1.150  | .990   | .916   |
| MAX RADIUS                  | : | 2.293  | 1.632  | 1.620  |
| HORIZONTAL SPREAD           | : | 2.941  | 2.342  | 2.342  |
| VERTICAL SPREAD             | : | 2.708  | 2.386  | 1.562  |
| EXTREME SPREAD              | : | 3.778  | 2.660  | 2.599  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

24 Apr 1981

FILE:/PATTERNING/CENTERFIRE\_PATT/05511774

# CENTERFIRE PATTERNS # 5



# OF SHOTS = 10

# IN CIR

1 in = 3

2 in = 4

3 in = 8

HS = 1.971

VS = 3.662

GS = 3.698

CENTROID +

| PATTERN #                     | 5      |
|-------------------------------|--------|
| SHOTS (BEST OF)               | 10     |
| MAXIMUM X                     | .581   |
| MINIMUM X                     | -.698  |
| MAXIMUM Y                     | 1.472  |
| MINIMUM Y                     | -1.590 |
| CENTROID X                    | .089   |
| CENTROID Y                    | .706   |
| FOR TO CENTROID in.           | .706   |
| MIN RADIUS                    | .164   |
| MEAN RADIUS                   | .982   |
| MAX RADIUS                    | 1.593  |
| HORIZONTAL SPREAD             | 1.271  |
| VERTICAL SPREAD               | 3.662  |
| EXTREME SPREAD                | 3.698  |
| NUMBER IN ONE INCH CIRCLE =   | 3      |
| NUMBER IN TWO INCH CIRCLE =   | 4      |
| NUMBER IN THREE INCH CIRCLE = | 8      |