

C6636060

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



Remington

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

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

**MODEL 700™ M24**

**SERIAL NO.**  
C6636060

**ORDER NO.**  
5716

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



5716 C6636060

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636060

| OP. #        | OP. NAME                                                       | READINGS   | DATE    | INIT |
|--------------|----------------------------------------------------------------|------------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 4 8 91     |         | RW   |
| 600          | Proof                                                          | 4 8 91     |         | RW   |
| 607          | Check Headspace                                                | 4 8 91     |         | RW   |
| 610          | Dis-assemble Gun                                               | 4 8 91     |         | RW   |
| 612          | Magnaflux Barrel<br>Action                                     | APR 9 1991 |         | KR   |
|              | Magnaflux Bolt                                                 | APR 9 1991 |         | U    |
| 615          | Rollmark Caliber                                               | APR 9 1991 |         | 28   |
| 617          | Drill and Tap Sight Holes                                      | APR 9 1991 |         | LB   |
| 618          | Polish Barrel                                                  | APR 9 1991 |         | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |            | 5-10-91 | DA   |
|              | Apply Coating (Bolt)                                           |            |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |            | 5/14/91 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |            | 5/14/91 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |            | 5/14/91 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |            | 5/14/91 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |            | 5/25/91 | RU   |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 6        | 6    | 6    |      |      | 5-28-91 | DH   |
|              | G) Safety Off Force                                         | 4        | 4    | 4    |      |      | 5-28-91 | DH   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 5/25/91 | 8/1  |
|              | I) Firing Pin Indent                                        | .022     | .023 | .021 |      |      | 5-28-91 | DH   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 5/28/91 | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 6-1-91  | DH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 5/28/91 | RW   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 5/28/91 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 5/28/91 | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 5/28/91 | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 5/28/91 | RW   |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 5-31-91 | AC   |
|              | A) Time                                                     |          |      |      |      |      | 5-31-91 | AC   |
|              | B) Malfunctions                                             |          |      |      |      |      | 5-31-91 | AC   |
|              | C) Pierced Primers                                          |          |      |      |      |      | 5-31-91 | AC   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      | 5-31-91 | AC   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 5-31-91 | AC   |
| 655          | Final Inspection                                            |          |      |      |      |      |         |      |
|              | A) Headspace                                                |          |      |      |      |      | 6-1-91  | DH   |
|              | B) Trigger Pull                                             | 2.37     | 2.32 | 2.34 | 2.42 | 2.39 | 6/1/91  | DH   |
|              | C) Function                                                 |          |      |      |      |      | 6-1-91  | DH   |
| 660          | Pack                                                        |          |      |      |      |      | 6-20-91 | NF   |

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

SERIAL NO. C6636060  
DATE 5/25/91  
TESTER JP

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.48             | 2.25                     | 2.37                           | 2.37 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.63             | 2.30                     | 2.37                           | 2.32 |                                                                        |
| PULL #3 | 2.28             | 2.18                     | 2.35                           | 2.34 |                                                                        |
| PULL #4 | 2.28             | 2.36                     | 2.28                           | 2.42 |                                                                        |
| PULL #5 | 2.35             | 2.36                     | 2.35                           | 2.39 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.41             | 3.37                     |  |          |
| PULL #2 | 3.37             | 3.37                     |  |          |
| PULL #3 | 3.38             | 3.33                     |  |          |
| PULL #4 | 3.38             | 3.36                     |  |          |
| PULL #5 | 3.41             | 3.34                     |  |          |
| 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 | 4.28             | 4.42                     |                                | 4.45                                 |
| PULL #2 | 4.42             | 4.48                     |                                | 4.51                                 |
| PULL #3 | 4.43             | 4.52                     |                                | 4.59                                 |
| PULL #4 | 4.51             | 4.54                     |                                | 4.67                                 |
| PULL #5 | 4.55             | 4.49                     |                                | 4.44                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06636060  
31 May 1991

CENTROIDAL DISTANCES

|      |   |          |
|------|---|----------|
| 0 TO | 1 | .244616  |
| 1 TO | 2 | .393249  |
| 1 TO | 3 | .14798   |
| 1 TO | 4 | .43007   |
| 1 TO | 5 | .0982549 |

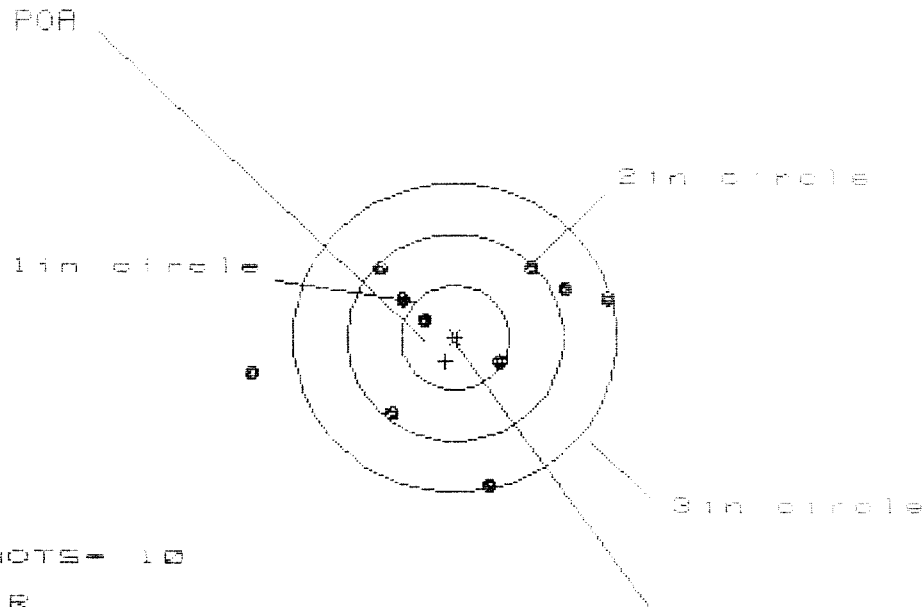
4 + ----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1552  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0962  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .182596  
THE ANP FOR THIS RIFLE IS: .6452

31 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8835060

## CENTERFIRE PATTERNS # 1



# OF SHOTS = 10

# IN CIR

1 in = 2

2 in = 6

3 in = 9

HS = 2.202

VS = 2.089

GS = 3.361

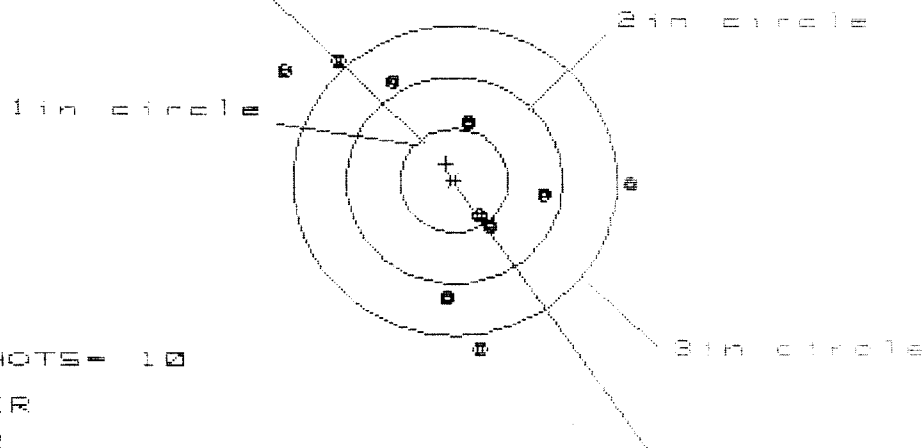
| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.460  | 1.255  | .988   |
| MINIMUM X                     | -1.842 | -1.871 | -1.714 |
| MAXIMUM Y                     | .643   | .611   | .650   |
| MINIMUM Y                     | -1.446 | -1.478 | -1.439 |
| CENTROID X                    | .086   | .291   | .134   |
| CENTROID Y                    | .229   | .261   | .222   |
| POA TO CENTROID in.           | .245   | .391   | .260   |
| MIN RADIUS                    | .343   | .279   | .371   |
| MEAN RADIUS                   | 1.020  | .918   | .856   |
| MAX RADIUS                    | 1.865  | 1.482  | 1.464  |
| HORIZONTAL SPREAD             | 3.362  | 2.126  | 1.702  |
| VERTICAL SPREAD               | 2.089  | 2.089  | 2.089  |
| EXTREME SPREAD                | 3.361  | 2.315  | 2.309  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 9      |        |        |

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## CENTERFIRE PATTERNS # 2

POA



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 4

3 in = 6

HS= 3.126

VS= 2.788

GS= 3.337

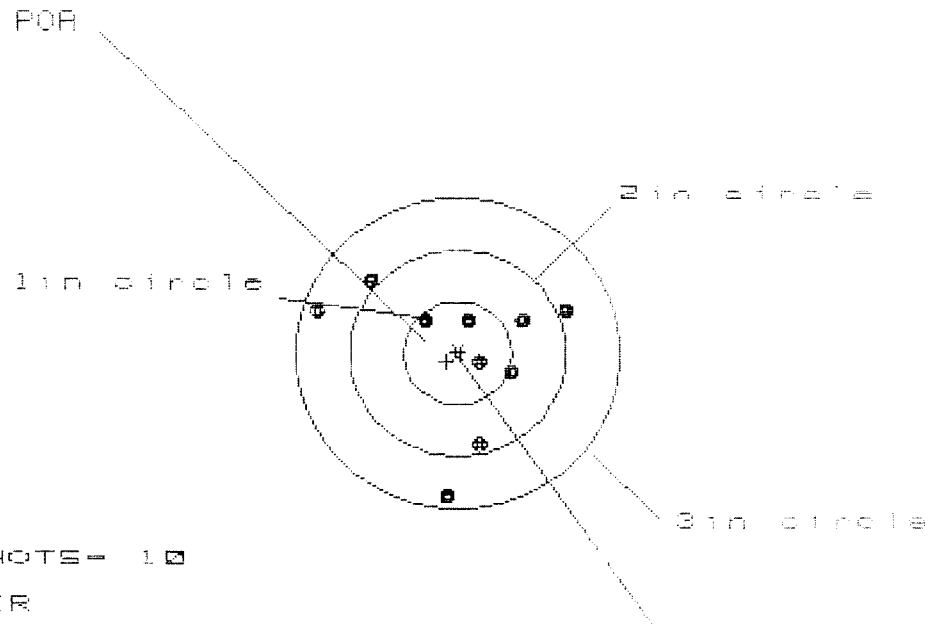
CENTROID +

| PATTERN #                     | : | 2      |        |        |
|-------------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)               | : | 10     | 9      | 8      |
| MAXIMUM X                     | : | 1.601  | 1.430  | 1.432  |
| MINIMUM X                     | : | -1.535 | -1.253 | -1.251 |
| MAXIMUM Y                     | : | 1.124  | 1.243  | 1.050  |
| MINIMUM Y                     | : | -1.664 | -1.545 | -1.185 |
| CENTROID X                    | : | .072   | .243   | .241   |
| CENTROID Y                    | : | -.164  | -.283  | -.090  |
| POA TO CENTROID IN.           | : | .179   | .373   | .257   |
| MIN RADIUS                    | : | .402   | .225   | .417   |
| MEAN RADIUS                   | : | 1.128  | .997   | .944   |
| MAX RADIUS                    | : | 1.872  | 1.765  | 1.633  |
| HORIZONTAL SPREAD             | : | 3.136  | 2.683  | 2.683  |
| VERTICAL SPREAD               | : | 2.788  | 2.788  | 2.235  |
| EXTREME SPREAD                | : | 3.337  | 3.064  | 2.937  |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE = |   |        | 6      |        |

31 May 1981

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## CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 6

3in = 10

HS= 2.225

VS= 2.041

GS= 2.225

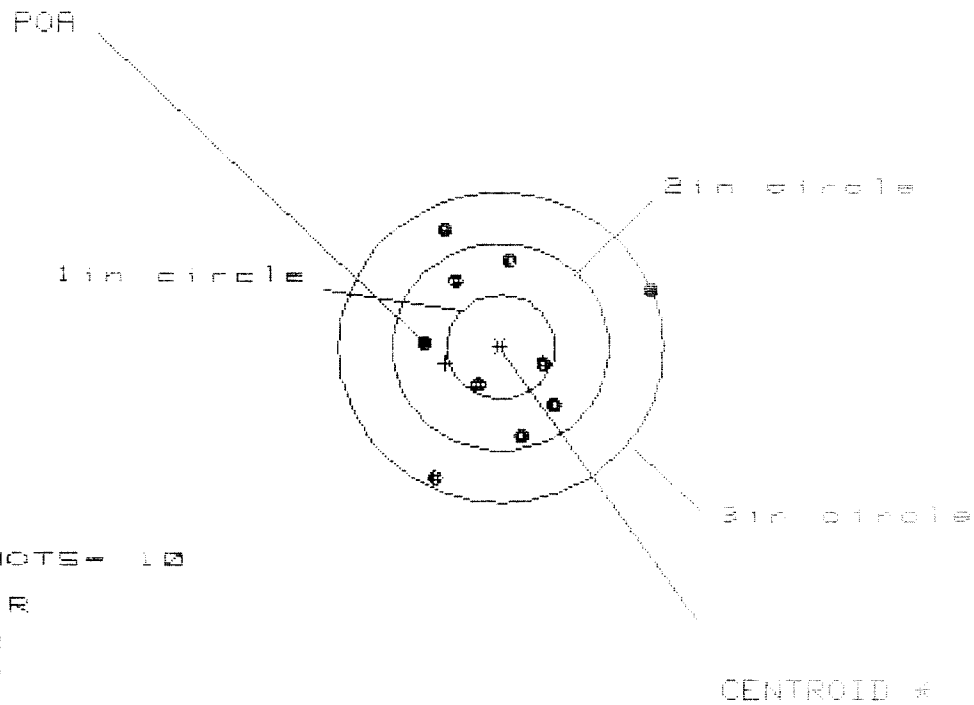
CENTROID #

| PATTERN #                   | : | 3      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .953   | .942   | .781   |
| MINIMUM X                   | : | -1.272 | -1.283 | -1.989 |
| MAXIMUM Y                   | : | .694   | .544   | .577   |
| MINIMUM Y                   | : | -1.347 | -1.017 | -1.984 |
| CENTROID X                  | : | .103   | .114   | .275   |
| CENTROID Y                  | : | .082   | .232   | .199   |
| POR TO CENTROID in.         | : | .132   | .259   | .339   |
| MIN RADIUS                  | : | .160   | .131   | .176   |
| MEAN RADIUS                 | : | .776   | .691   | .591   |
| MAX RADIUS                  | : | 1.351  | 1.310  | 1.145  |
| HORIZONTAL SPREAD           | : | 2.225  | 2.225  | 1.770  |
| VERTICAL SPREAD             | : | 2.041  | 1.561  | 1.561  |
| EXTREME SPREAD              | : | 2.225  | 2.225  | 1.980  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |

31 May 1981

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## CENTERFIRE PATTERNS # 4



# OF SHOTS - 10

# IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 2.134

VS = 2.361

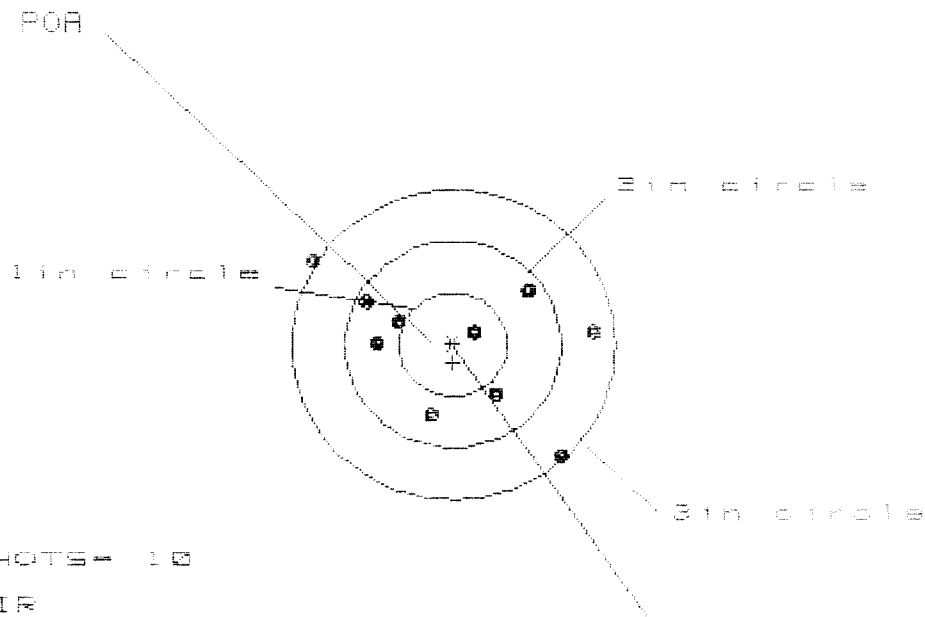
GS = 2.690

| PATTERN #                   | : | 4      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.387  | .682   | .623  |
| MINIMUM X                   | : | -.747  | -.593  | -.652 |
| MAXIMUM Y                   | : | 1.141  | 1.204  | 1.059 |
| MINIMUM Y                   | : | -1.220 | -1.157 | -.983 |
| CENTROID X                  | : | .510   | .356   | .415  |
| CENTROID Y                  | : | .157   | .094   | .239  |
| POA TO CENTROID IN.         | : | .534   | .369   | .479  |
| MIN RADIUS                  | : | .453   | .347   | .502  |
| MEAN RADIUS                 | : | .901   | .822   | .764  |
| MAX RADIUS                  | : | 1.498  | 1.268  | 1.154 |
| HORIZONTAL SPREAD           | : | 2.134  | 1.275  | 1.275 |
| VERTICAL SPREAD             | : | 2.361  | 2.361  | 2.042 |
| EXTREME SPREAD              | : | 2.690  | 2.362  | 2.162 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |       |

31 May 1991

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## CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 2

3 in = 8

HS= 2.670

VS= 1.895

GS= 2.982

CENTROID \*

| PATTERN #                   | : | 5      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.340  | 1.193  | 1.296  |
| MINIMUM X                   | : | -1.330 | -0.995 | -0.892 |
| MAXIMUM Y                   | : | .844   | .594   | .475   |
| MINIMUM Y                   | : | -1.051 | -0.958 | -0.795 |
| CENTROID X                  | : | .005   | .152   | .049   |
| CENTROID Y                  | : | .177   | .084   | .203   |
| POA TO CENTROID in.         | : | .177   | .174   | .209   |
| MIN RADIUS                  | : | .221   | .219   | .169   |
| MEAN RADIUS                 | : | .901   | .821   | .748   |
| MAX RADIUS                  | : | 1.575  | 1.264  | 1.301  |
| HORIZONTAL SPREAD           | : | 2.670  | 2.188  | 2.188  |
| VERTICAL SPREAD             | : | 1.895  | 1.552  | 1.210  |
| EXTREME SPREAD              | : | 2.982  | 2.316  | 2.201  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |