

C6636139

MODEL 700™ M24

Model **SMS**™

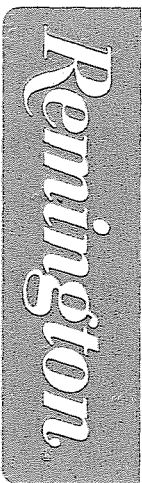
Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



**Remington**



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

**MODEL 700™ H24**

**SERIAL NO.**  
**C6636139**

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

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

20



5716 C6636139

**UPC**



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636139

| OP. #        | OP. NAME                                                       | READINGS         | DATE        | INIT |
|--------------|----------------------------------------------------------------|------------------|-------------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | QUALITY<br>AUDIT | 4/3/91      | K.S. |
| 600          | Proof                                                          |                  | 4/3/91      | K.S. |
| 607          | Check Headspace                                                |                  | 4/3/91      | K.S. |
| 610          | Dis-assemble Gun                                               |                  | 4/3/91      | K.S. |
| 612          | Magnaflux Barrel<br>Action                                     |                  | 4/10/91     | KR   |
|              | Magnaflux Bolt                                                 |                  | 4/10/91     | 4    |
| 615          | Rollmark Caliber                                               |                  | 4/10/91     | 98   |
| 617          | Drill and Tap Sight Holes                                      |                  | APR 19 1991 | FB   |
| 618          | Polish Barrel                                                  |                  | APR 19 1991 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |                  | 5-10-91     | JA   |
|              | Apply Coating (Bolt)                                           |                  |             |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |                  | 5/22/91     | K.S. |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |                  | 5/22/91     | K.S. |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |                  | 5/22/91     | K.S. |
|              | D) Oil Firing Pin Ass'y                                        |                  | 5/22/91     | K.S. |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |                  | 5/28/91     | JK   |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 6        | 6    | 6    |      |      | 5/28/91 | JH   |
|              | G) Safety Off Force                                         | 4        | 4    | 4    |      |      | 5/28/91 | JH   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 5-28-91 | JH   |
|              | I) Firing Pin Indent                                        | .021     | .021 | .021 |      |      | 5/28/91 | JH   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 5/28/91 | KS   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 6-1-91  | D/H  |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 5/28/91 | KS   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 5/28/91 | ICS  |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 5/28/91 | KS   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 5/28/91 | KS   |
|              | P) Detach & Attach Scope - 20 Times                         |          |      |      |      |      | 5/28/91 | KS   |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 5/29/91 | KT   |
|              | A) Time                                                     |          |      |      |      |      |         | KT   |
|              | B) Malfunctions                                             |          |      |      |      |      |         | KT   |
|              | C) Pierced Primers                                          |          |      |      |      |      |         | KT   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      |         | KT   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 5/29/91 | KT   |
| 655          | Final Inspection                                            |          |      |      |      |      | 6-1-91  | D/H  |
|              | A) Headspace                                                |          |      |      |      |      |         |      |
|              | B) Trigger Pull                                             | 2.43     | 2.44 | 2.44 | 2.45 | 2.51 | 6/1/91  | JH   |
|              | C) Function                                                 |          |      |      |      |      | 6-1-91  | D/H  |
| 660          | Pack                                                        |          |      |      |      |      | 6-19-91 | NE   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6636139

DATE 5-28-91

TESTER JEL

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.48             | 2.46                     | 2.50                           | 2.43 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.40             | 2.50                     | 2.55                           | 2.44 |                                                                        |
| PULL #3 | 2.50             | 2.47                     | 2.51                           | 2.44 |                                                                        |
| PULL #4 | 2.20             | 2.49                     | 2.48                           | 2.45 |                                                                        |
| PULL #5 | 2.17             | 2.48                     | 2.49                           | 2.51 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.53             | 3.55                     |  |          |
| PULL #2 | 3.52             | 3.59                     |  |          |
| PULL #3 | 3.57             | 3.59                     |  |          |
| PULL #4 | 3.57             | 3.56                     |  |          |
| PULL #5 | 3.58             | 3.63                     |  |          |
| 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 | 4.67             | 4.37                     |                                | 4.50                                 |
| PULL #2 | 4.59             | 4.42                     |                                | 4.11                                 |
| PULL #3 | 4.62             | 4.45                     |                                | 4.49                                 |
| PULL #4 | 4.69             | 4.47                     |                                | 4.47                                 |
| PULL #5 | 4.61             | 4.44                     |                                | 4.58                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6636139  
29 May 1991

CENTROIDAL DISTANCES

|        |          |
|--------|----------|
| 0 TO 1 | .0885494 |
| 1 TO 2 | .192816  |
| 1 TO 3 | .217706  |
| 1 TO 4 | .165895  |
| 1 TO 5 | .46676   |

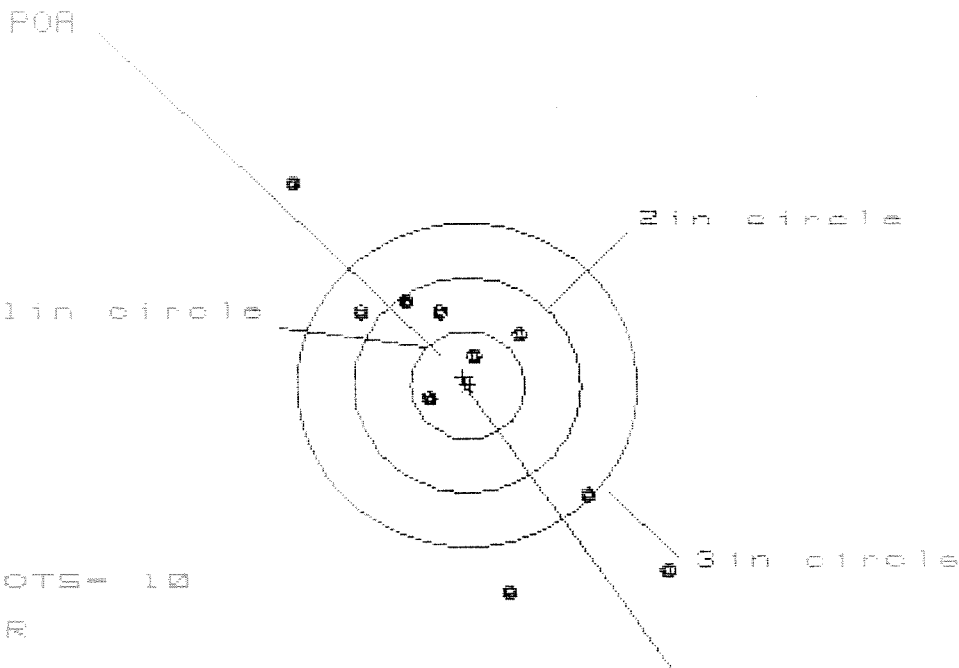
5.7 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0562  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0956  
THE RESULTING AVERAGE POLY-BIL FOR THIS RIFLE IS: .110895  
THE WMR FOR THIS RIFLE IS: .9261

29 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/06636139

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 5

3in = 7

HS= 3.244

VS= 3.835

GS= 4.873

CENTROID #

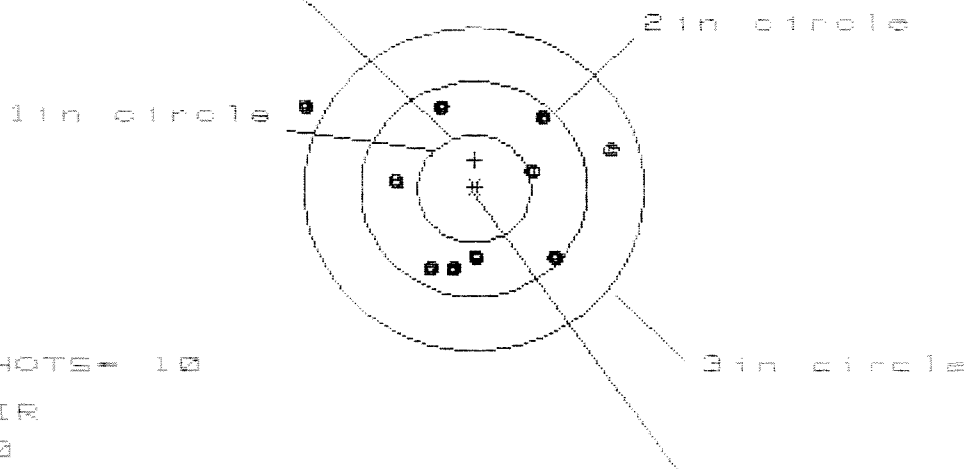
| PATTERN #                   | : | 1      | 2      | 3      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.725  | 1.557  | 1.120  |
| MINIMUM X                   | : | -1.519 | -1.145 | -.951  |
| MAXIMUM Y                   | : | 1.911  | .948   | .759   |
| MINIMUM Y                   | : | -1.925 | -1.712 | -1.901 |
| CENTROID X                  | : | .040   | .208   | .014   |
| CENTROID Y                  | : | -.079  | -.291  | -.102  |
| POR TO CENTROID in.         | : | .088   | .358   | .103   |
| MIN RADIUS                  | : | .249   | .479   | .276   |
| MEAN RADIUS                 | : | 1.247  | 1.171  | .952   |
| MAX RADIUS                  | : | 2.441  | 2.171  | 1.947  |
| HORIZONTAL SPREAD           | : | 3.244  | 2.702  | 2.071  |
| VERTICAL SPREAD             | : | 3.835  | 2.660  | 2.660  |
| EXTREME SPREAD              | : | 4.873  | 3.646  | 2.981  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

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# CENTERFIRE PATTERNS # 2

POA



# OF SHOTS = 10

# IN CIR

1in = 0

2in = 8

3in = 8

HS = 2.705

VS = 1.582

GS = 2.743

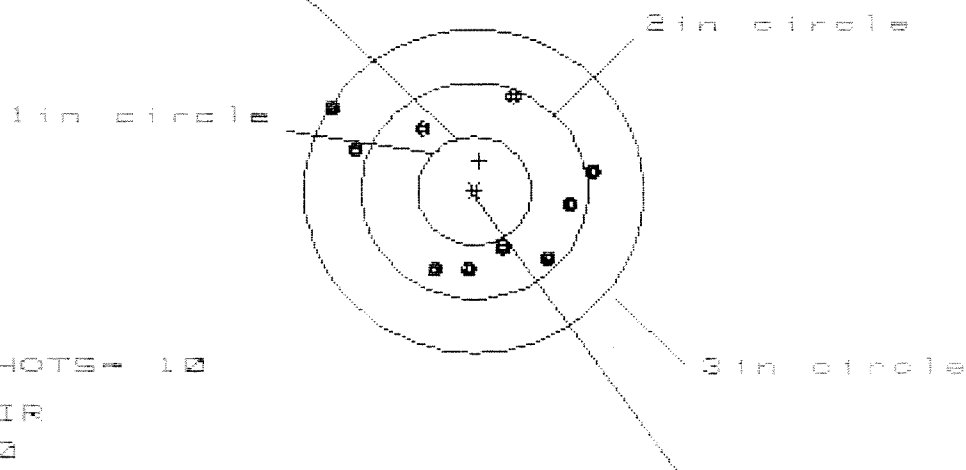
| PATTERN #                   | : | 2      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | 1.241  | 1.078 | .680  |
| MINIMUM X                   | : | -1.464 | -.899 | -.764 |
| MAXIMUM Y                   | : | .802   | .888  | .940  |
| MINIMUM Y                   | : | -.780  | -.694 | -.643 |
| CENTROID X                  | : | -.007  | .156  | .021  |
| CENTROID Y                  | : | -.266  | -.352 | -.404 |
| POA TO CENTROID in.         | : | .266   | .385  | .404  |
| MIN RADIUS                  | : | .503   | .392  | .492  |
| MEAN RADIUS                 | : | .924   | .820  | .768  |
| MAX RADIUS                  | : | 1.657  | 1.153 | 1.036 |
| HORIZONTAL SPREAD           | : | 2.705  | 1.977 | 1.444 |
| VERTICAL SPREAD             | : | 1.582  | 1.582 | 1.582 |
| EXTREME SPREAD              | : | 2.743  | 1.998 | 1.816 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 8     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9     |       |

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# CENTERFIRE PATTERNS # 3

POA



# OF SHOTS- 10

# IN CIR

1in = 0

2in = 7

3in = 10

HS= 2.217

VS= 1.647

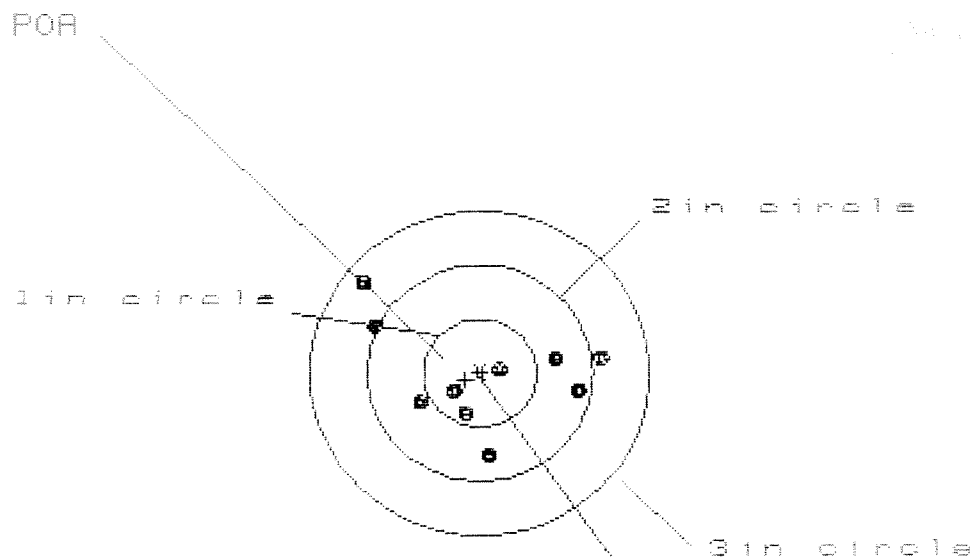
GS= 2.336

|                             |   |        |        |       |
|-----------------------------|---|--------|--------|-------|
| PATTERN #                   | : | 3      |        |       |
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.013  | .879   | .731  |
| MINIMUM X                   | : | -1.204 | -1.183 | -.700 |
| MAXIMUM Y                   | : | .897   | .979   | 1.041 |
| MINIMUM Y                   | : | -.750  | -.668  | -.606 |
| CENTROID X                  | : | -.046  | .088   | .236  |
| CENTROID Y                  | : | -.279  | -.361  | -.423 |
| POA TO CENTROID in.         | : | .282   | .371   | .484  |
| MIN RADIUS                  | : | .592   | .471   | .400  |
| MEAN RADIUS                 | : | .920   | .839   | .755  |
| MAX RADIUS                  | : | 1.413  | 1.282  | 1.046 |
| HORIZONTAL SPREAD           | : | 2.217  | 2.062  | 1.431 |
| VERTICAL SPREAD             | : | 1.647  | 1.647  | 1.647 |
| EXTREME SPREAD              | : | 2.336  | 2.071  | 1.818 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |       |

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# CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 8

3in = 10

HS= 2.060

VS= 1.526

GS= 2.160

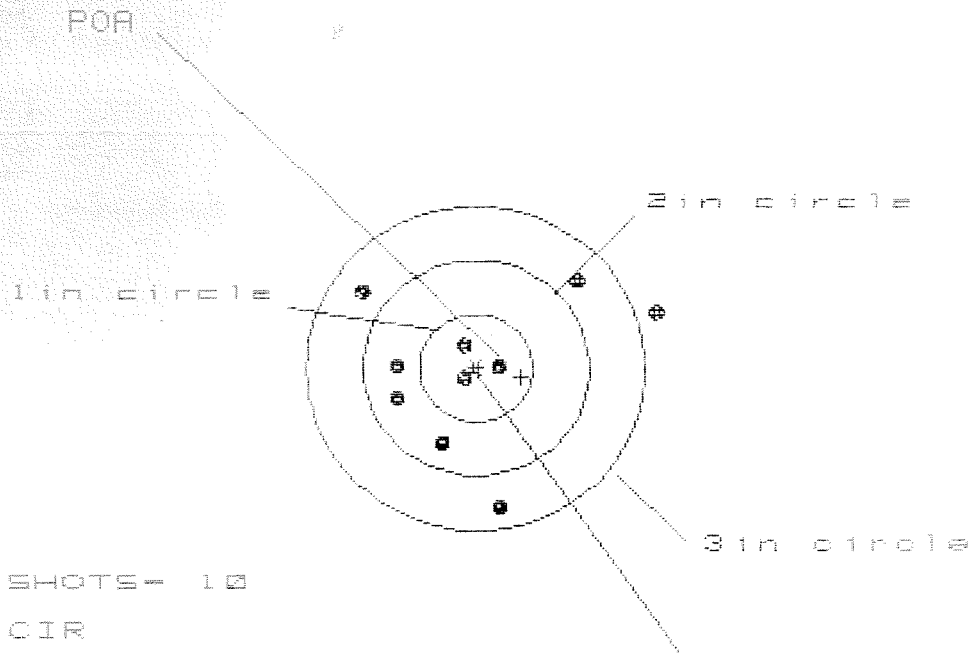
CENTROID #

|                             |   |        |        |       |
|-----------------------------|---|--------|--------|-------|
| PATTERN #                   | : | 4      |        |       |
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.056  | .945   | .831  |
| MINIMUM X                   | : | -1.004 | -1.005 | -.887 |
| MAXIMUM Y                   | : | .810   | .484   | .516  |
| MINIMUM Y                   | : | -.716  | -.626  | -.595 |
| CENTROID X                  | : | .129   | .240   | .122  |
| CENTROID Y                  | : | .061   | -.029  | -.061 |
| POA TO CENTROID in.         | : | .142   | .242   | .136  |
| MIN RADIUS                  | : | .207   | .141   | .252  |
| MEAN RADIUS                 | : | .698   | .616   | .557  |
| MAX RADIUS                  | : | 1.290  | 1.116  | 1.026 |
| HORIZONTAL SPREAD           | : | 2.060  | 1.950  | 1.718 |
| VERTICAL SPREAD             | : | 1.526  | 1.110  | 1.110 |
| EXTREME SPREAD              | : | 2.160  | 1.964  | 1.798 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 8      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |       |

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# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.537

VS= 2.033

GS= 2.544

CENTROID #

| PATTERN #                     | 5      | 9      | 8     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | 1.552  | 1.100  | 1.149 |
| MINIMUM X                     | -.985  | -.813  | -.764 |
| MAXIMUM Y                     | .793   | .853   | .706  |
| MINIMUM Y                     | -1.240 | -1.180 | -.792 |
| CENTROID X                    | -.397  | -.569  | -.618 |
| CENTROID Y                    | .085   | .025   | .172  |
| POA TO CENTROID in.           | .406   | .569   | .642  |
| MIN RADIUS                    | .171   | .084   | .190  |
| MEAN RADIUS                   | .812   | .692   | .626  |
| MAX RADIUS                    | 1.644  | 1.392  | 1.349 |
| HORIZONTAL SPREAD             | 2.537  | 1.913  | 1.913 |
| VERTICAL SPREAD               | 2.033  | 2.033  | 1.498 |
| EXTREME SPREAD                | 2.544  | 2.309  | 1.943 |
| NUMBER IN ONE INCH CIRCLE =   | 3      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 9      |        |       |