

C6611593

MODEL 700<sup>TM</sup> M24

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

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.





SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611593.\_\_0  
FILE DATE AND TIME: 05/08/2007 12:37

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | 0.019  |
| The Average Y Centroid of the Five Target Set:              | -0.039 |
| The Average Point of Impact of the Five Target Set:         | 0.043  |
| The Average Mean Radius of the Five Target Set:             | 0.683  |
| The Distance from POA to Centroid Target #1:                | 0.116  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.154  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.221  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.103  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.192  |

SERIAL NUMBER: C6611593. 0

TARGET NUMBER: 1

FILE DATE: 05/08/2007

FILE TIME: 12:37

X CENTROID: -0.026

Y CENTROID: -0.113

POA TO CENTROID: 0.116

HORZ SPREAD: 1.129

VERT SPREAD: 1.498

GROUP SPREAD: 1.645

MIN RADIUS: 0.118

MAX RADIUS: 0.895

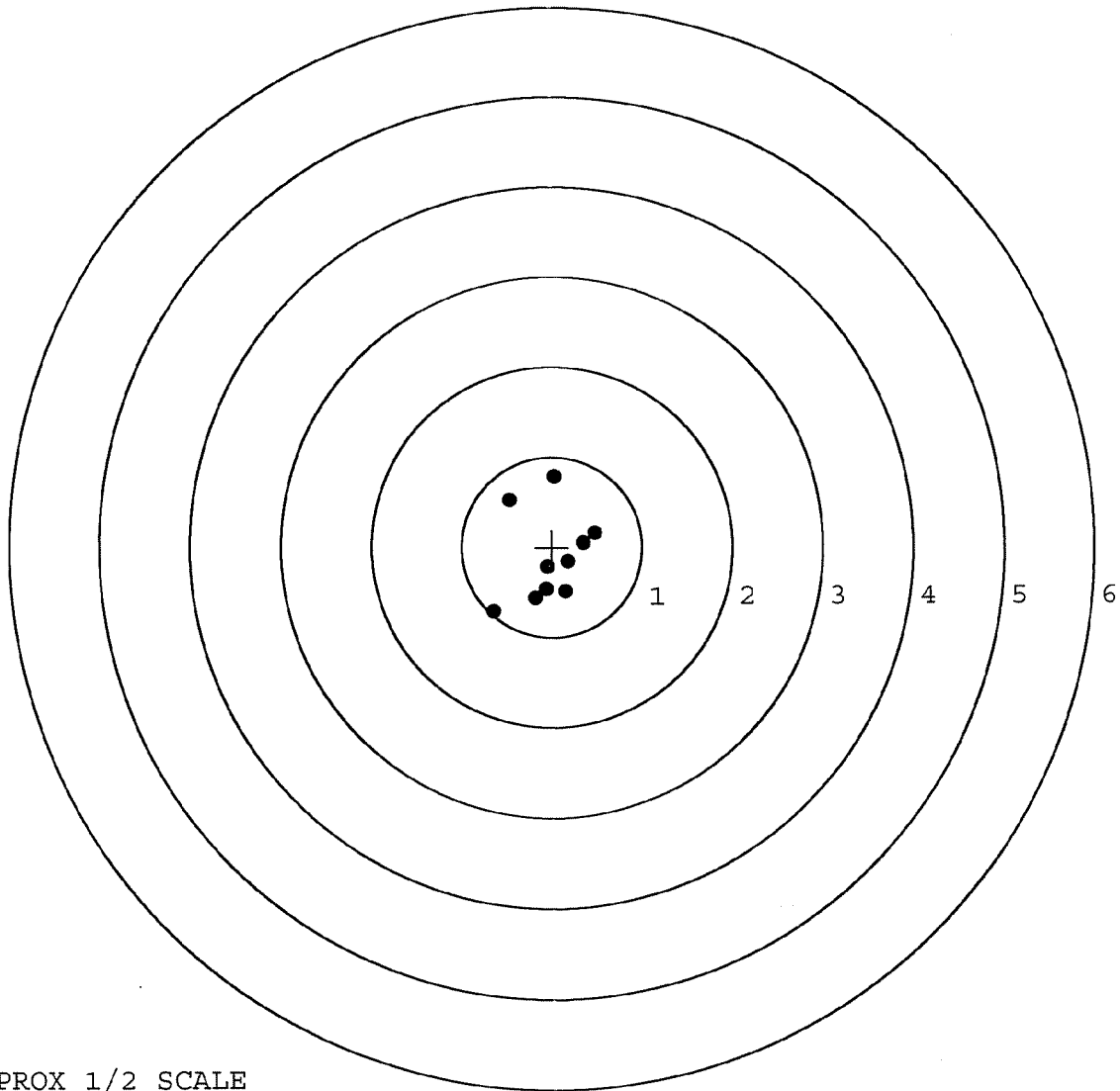
MEAN RADIUS: 0.512

# IN 1 IN DIAMETER: 6

# IN 2 IN DIAMETER: 10

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.031  | 0.780  |
| 2:     | -0.472 | 0.526  |
| 3:     | -0.649 | -0.718 |
| 4:     | -0.193 | -0.569 |
| 5:     | -0.071 | -0.471 |
| 6:     | 0.148  | -0.497 |
| 7:     | -0.059 | -0.226 |
| 8:     | 0.179  | -0.161 |
| 9:     | 0.480  | 0.154  |
| 10:    | 0.348  | 0.051  |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611593. \_\_0

TARGET NUMBER: 2

FILE DATE: 05/08/2007

FILE TIME: 12:37

X CENTROID: 0.128

Y CENTROID: -0.105

POA TO CENTROID: 0.165

HORZ SPREAD: 1.891

VERT SPREAD: 1.866

GROUP SPREAD: 2.386

MIN RADIUS: 0.167

MAX RADIUS: 1.515

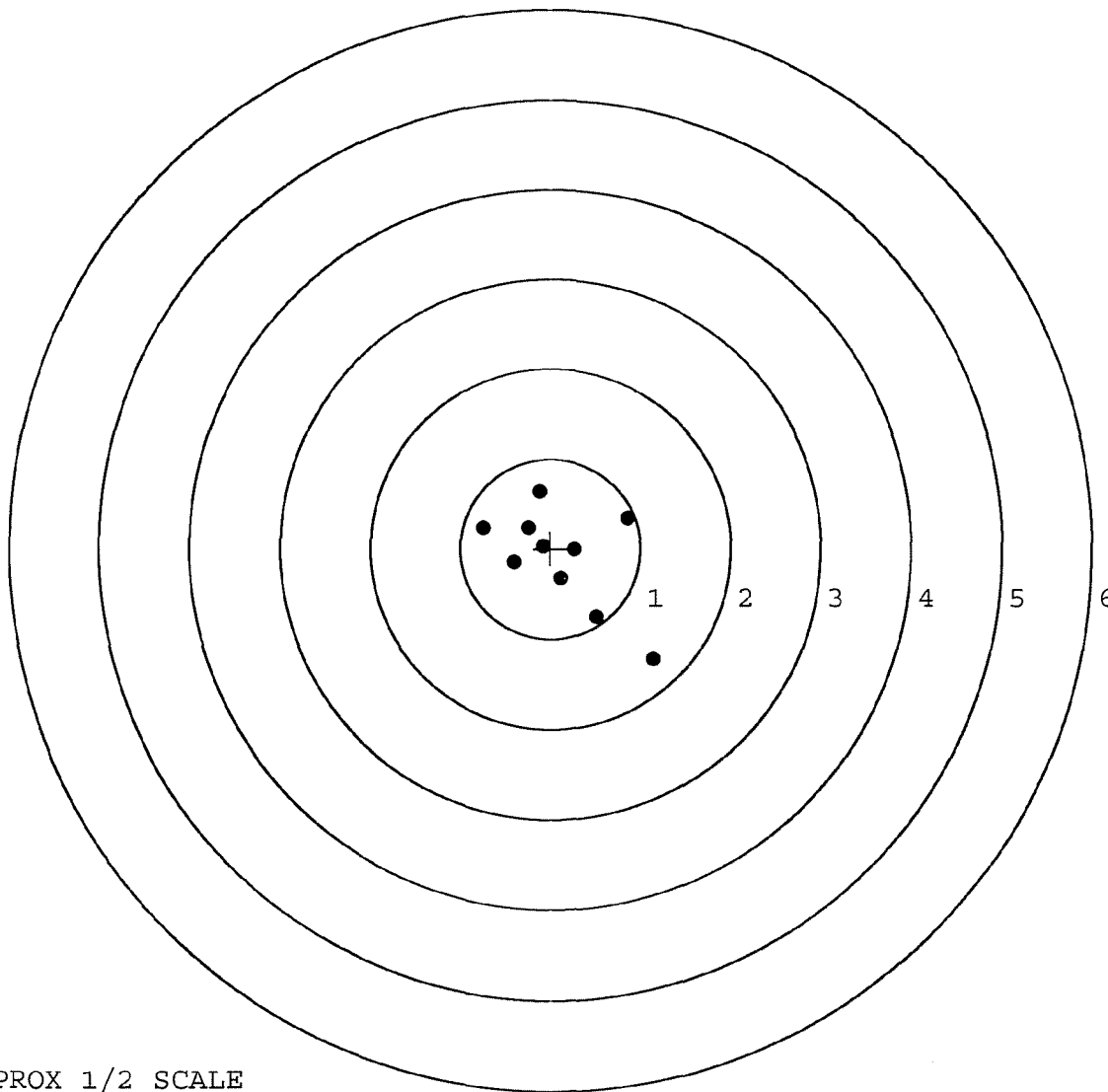
MEAN RADIUS: 0.654

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.144  | -1.228 |
| 2:     | 0.510  | -0.764 |
| 3:     | 0.854  | 0.339  |
| 4:     | -0.124 | 0.638  |
| 5:     | -0.747 | 0.227  |
| 6:     | 0.115  | -0.340 |
| 7:     | 0.268  | -0.014 |
| 8:     | -0.250 | 0.233  |
| 9:     | -0.084 | 0.021  |
| 10:    | -0.405 | -0.159 |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611593. 0

TARGET NUMBER: 3

FILE DATE: 05/08/2007

FILE TIME: 12:37

X CENTROID: -0.072

Y CENTROID: 0.103

POA TO CENTROID: 0.125

HORZ SPREAD: 1.518

VERT SPREAD: 2.739

GROUP SPREAD: 2.812

MIN RADIUS: 0.073

MAX RADIUS: 1.539

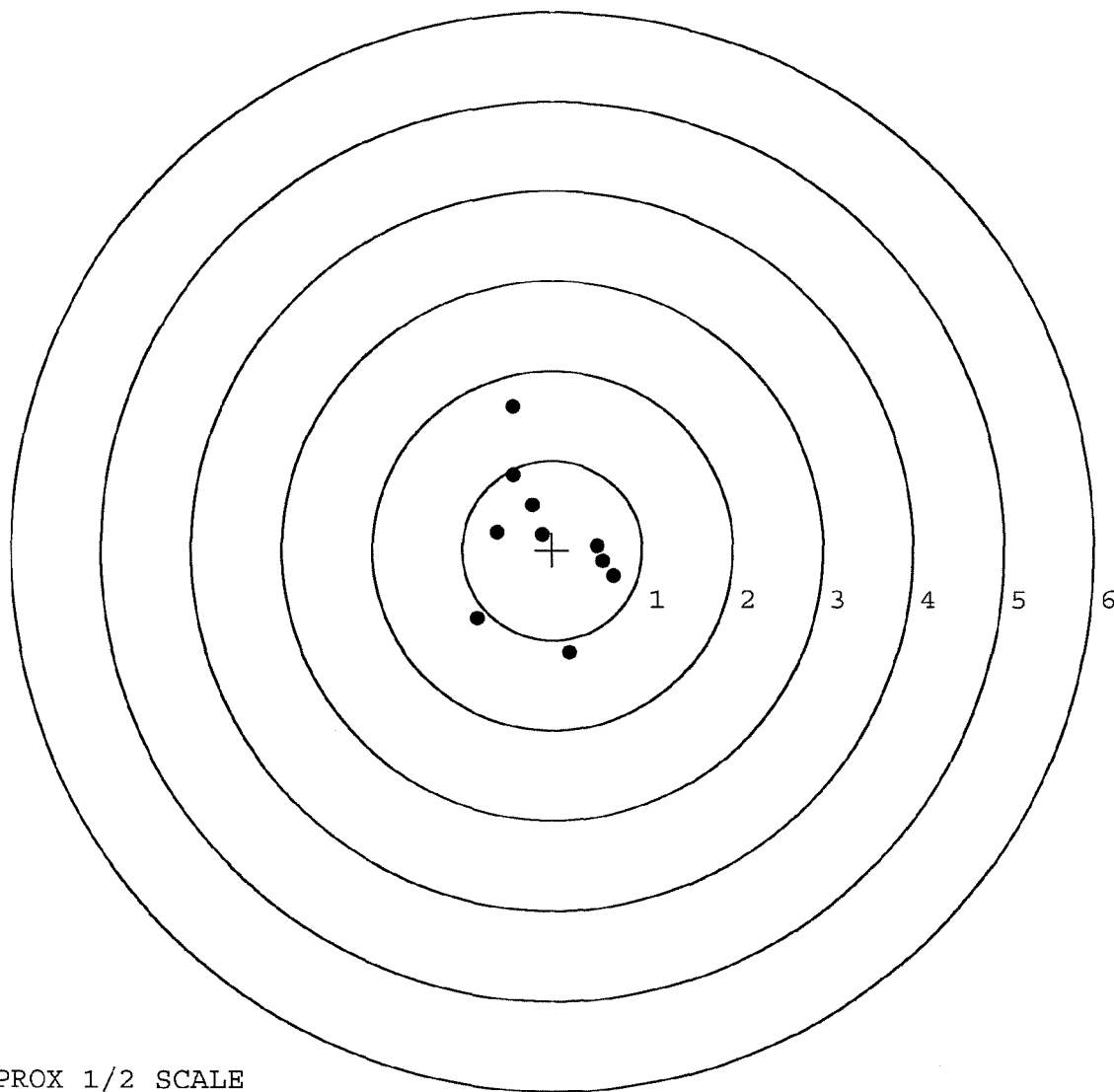
MEAN RADIUS: 0.794

# IN 1 IN DIAMETER: 2

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.441 | 1.597  |
| 2:     | -0.436 | 0.834  |
| 3:     | 0.681  | -0.287 |
| 4:     | 0.562  | -0.124 |
| 5:     | 0.506  | 0.049  |
| 6:     | -0.107 | 0.167  |
| 7:     | -0.226 | 0.498  |
| 8:     | -0.616 | 0.197  |
| 9:     | -0.837 | -0.762 |
| 10:    | 0.196  | -1.142 |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611593. 0

TARGET NUMBER: 4

FILE DATE: 05/08/2007

FILE TIME: 12:37

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.198  | -1.677 |
| 2:     | 0.001  | -0.536 |
| 3:     | -0.511 | -0.316 |
| 4:     | -0.373 | 0.006  |
| 5:     | -0.297 | 0.522  |
| 6:     | 0.085  | 0.358  |
| 7:     | 0.508  | -0.268 |
| 8:     | 0.457  | 0.266  |
| 9:     | 0.200  | 0.110  |
| 10:    | 0.412  | -0.030 |

X CENTROID: 0.068

Y CENTROID: -0.157

POA TO CENTROID: 0.171

HORZ SPREAD: 1.019

VERT SPREAD: 2.199

GROUP SPREAD: 2.254

MIN RADIUS: 0.297

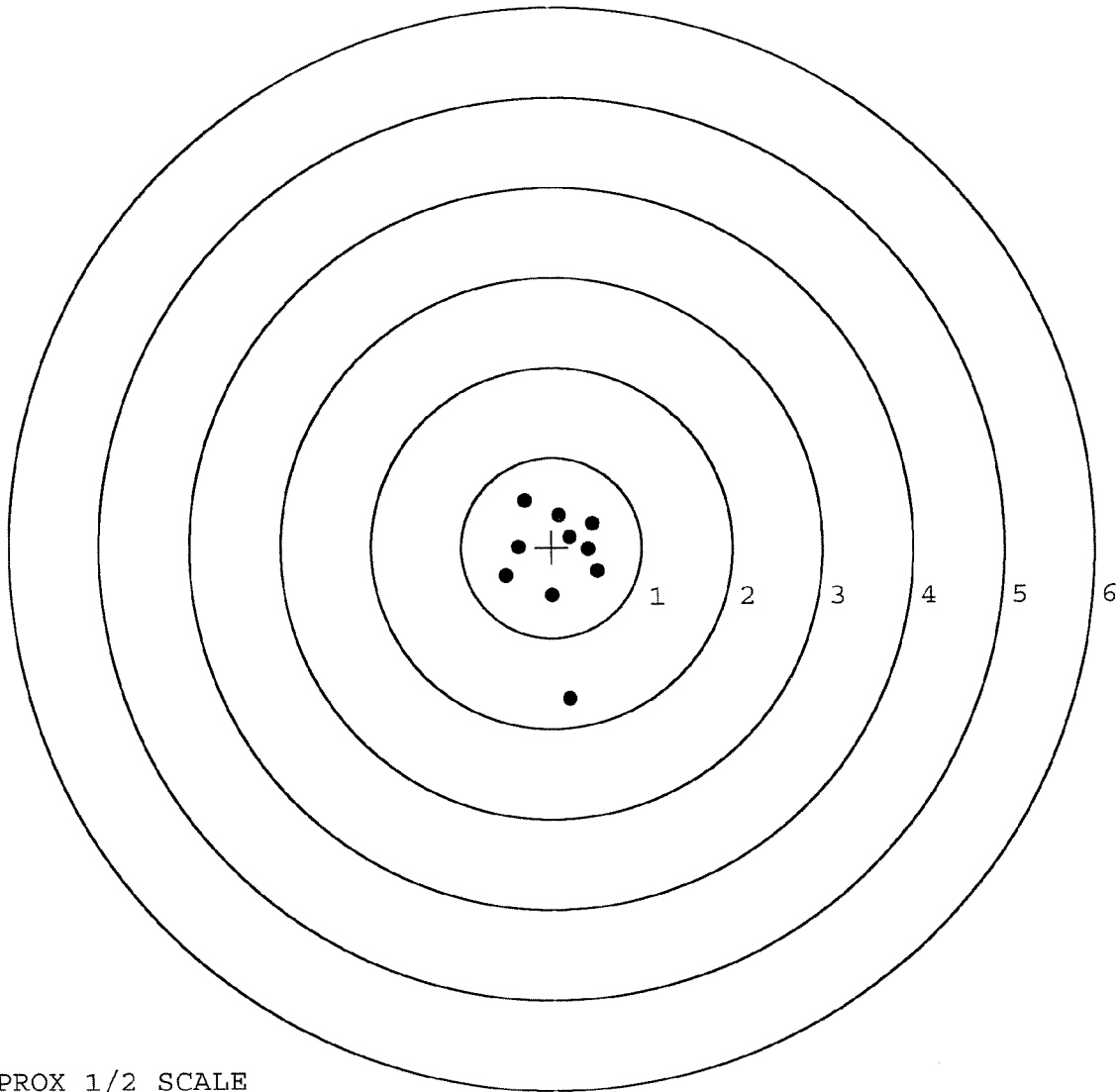
MAX RADIUS: 1.526

MEAN RADIUS: 0.596

# IN 1 IN DIAMETER: 5

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611593. 0

TARGET NUMBER: 5

FILE DATE: 05/08/2007

FILE TIME: 12:37

X CENTROID: -0.002

Y CENTROID: 0.077

POA TO CENTROID: 0.077

HORZ SPREAD: 1.696

VERT SPREAD: 2.590

GROUP SPREAD: 2.865

MIN RADIUS: 0.254

MAX RADIUS: 1.476

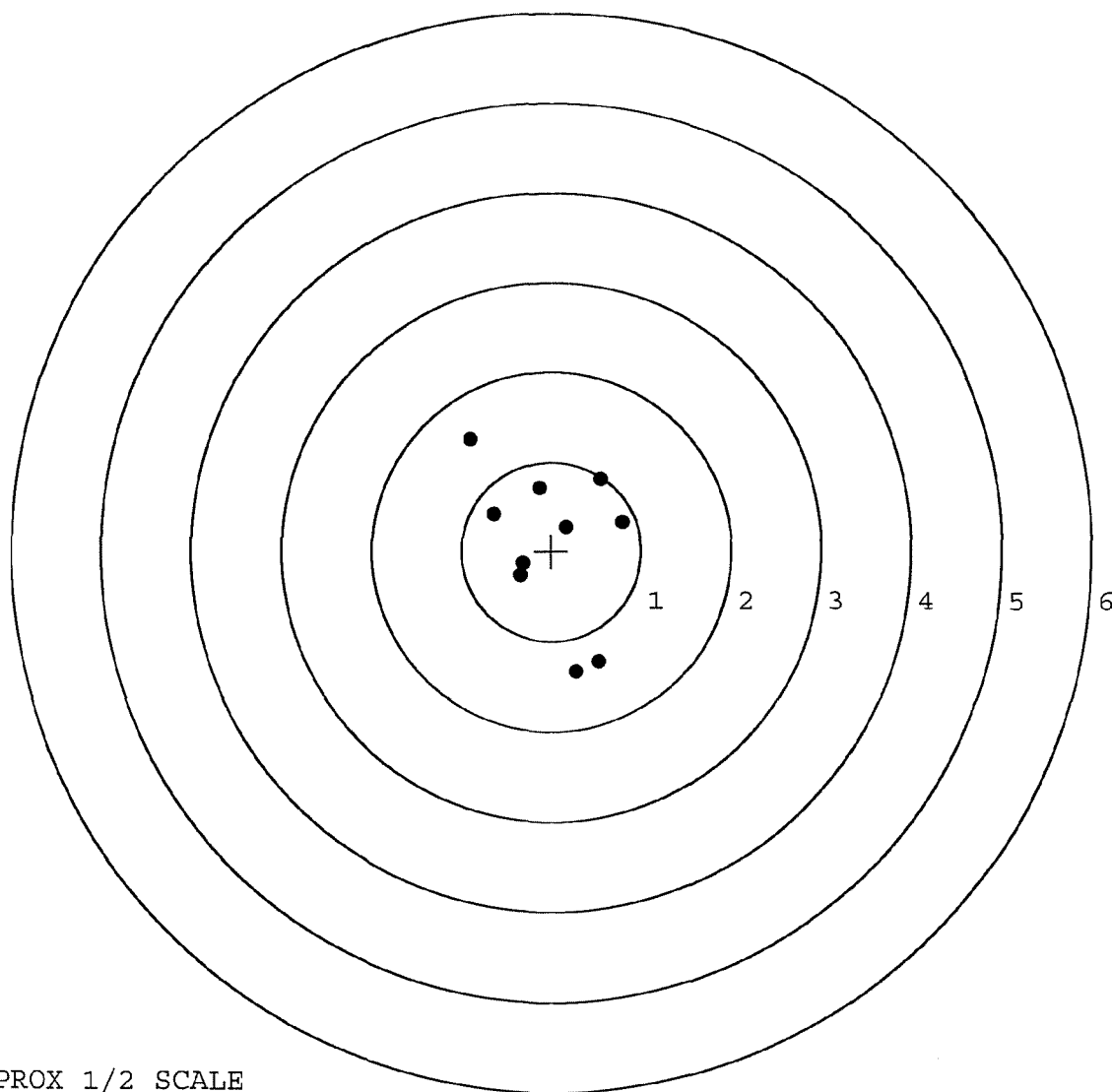
MEAN RADIUS: 0.859

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.532  | -1.233 |
| 2:     | 0.277  | -1.343 |
| 3:     | -0.341 | -0.275 |
| 4:     | -0.319 | -0.146 |
| 5:     | 0.162  | 0.271  |
| 6:     | 0.793  | 0.322  |
| 7:     | 0.551  | 0.807  |
| 8:     | -0.135 | 0.713  |
| 9:     | -0.642 | 0.411  |
| 10:    | -0.903 | 1.247  |



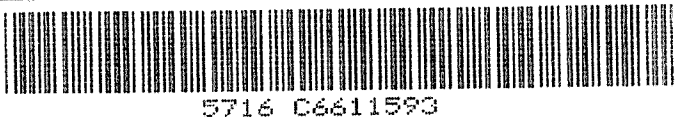
TARGET APPROX 1/2 SCALE



M-24 INSPECTION CHECKLIST  
CONTRACT #: DAAE-20-02-C-0149

| R & E NUMBER  | 127465               |                          |             |
|---------------|----------------------|--------------------------|-------------|
| SERIAL NUMBER | C6611593             |                          |             |
| LOG-IN DATE   | 3-30-07              |                          |             |
| OPERATION #   | OPERATION NAME       | DATE                     | INITIAL     |
| 500           | DIS-ASSEMBLE GUN     | 4-17-07                  | RTZ         |
| 505           | RE-BARREL            | 4-20-07                  | RTZ         |
| 560           | ASSEMBLE             | 4-19-07                  | TRW         |
| 600           | PROOF                | 4-19-07                  | TRW         |
| 605           | CHECK HEADSPACE      | 4-19-07                  | TRW         |
| 610           | DIS-ASSEMBLE GUN     | 4-20-07                  | RTZ         |
| 612           | MAGNAFLUX            | 4/24/07                  | unint       |
| 510           | DRILL AND TAP        | 4-24-07                  | TRW         |
| 615           | ROLLMARK CALIBER     | 4-24-07                  | CW          |
| 618           | ROTO-BLAST           | 4-24-07                  | CB          |
| 620           | APPLY COATINGS       | 4/27/07                  | W           |
| 625           | FINAL ASSEMBLY       | 5-4-07                   | RTZ         |
| 640           | FUNCTION TEST AND    | (PASS) FAIL              | 5/7/07 non  |
| 650           | TARGET               | (PASS) FAIL              | 5/7/07 non  |
|               | MALFUNCTION          | CORRECTION               | 5-14-07 RTZ |
|               | MALFUNCTION          | CORRECTION               |             |
|               | MALFUNCTION          | CORRECTION               |             |
|               | MALFUNCTION          | CORRECTION               |             |
| 670           | FINAL INSPECTION     | 5-14-07                  | RTZ         |
|               | A) HEADSPACE         | (PASS) FAIL              | 5-14-07 RTZ |
|               | B) TRIGGER PULL      | 2.70 2.53 2.45 2.48 2.38 | 5-9-07 TRW  |
| 680           | F) SAFETY ON FORCE   | 6.0 5.5 5.5              | 5-9-07 TRW  |
|               | G) SAFETY OFF FORCE  | 2.5 2.5 2.5              | 5-9-07 TRW  |
|               | I) FIRING PIN INDENT | .024 .024 .024           | 5-9-07 TRW  |
| 690           | PACK                 |                          | 5-14-07 RTZ |

|                                                                                                                                                                      |  |                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------|
|   |  | <p>VERY IMPORTANT:<br/>Instruction Book<br/>enclosed to assure<br/>safe use of this<br/>firearm.</p> |
| <p>MODEL 700<sup>TH</sup> M24</p>                                                                                                                                    |  | <p>SERIAL NO.<br/>C6611593</p>                                                                       |
| <p>MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat &amp; Tm. Off, Marca Registrada Marque Deposee.</p>                                                                      |  | <p>ORDER NO.<br/>5716</p>                                                                            |



| MOD.      |         | GA.<br>CAL.                                               | GUN<br>#      |
|-----------|---------|-----------------------------------------------------------|---------------|
|           |         |                                                           | 1593          |
| #<br>TEST | DATE    | MALFUNCTION/DEFECT                                        | ASSEM.<br>#   |
|           | 1st     |                                                           |               |
| NF        | 2/6     | Ejector Sticks                                            | RW            |
|           | 2nd     |                                                           |               |
|           | 3/11    | Polish Ejector<br>+ Rear Ejector<br>hole<br>100 Rd Needed | RW            |
|           | 3rd     |                                                           |               |
|           | 3-11-91 | 100 Rd test<br>OK                                         | DA            |
|           | 4th     |                                                           |               |
|           |         | FUNCTION                                                  | RD 6654 Rev 1 |

| TEST INIT. ACTION TO CORRECT |                              | ASSEM.<br># |
|------------------------------|------------------------------|-------------|
| PROOF                        | 100 Test<br>OK DH<br>3-11-91 |             |
| TEST                         |                              |             |
| TGT                          |                              |             |
| PROOF                        |                              |             |
| TEST                         |                              |             |
| TGT                          |                              |             |
| PROOF                        | ENGINEER                     |             |
| TEST                         |                              |             |
| TGT                          |                              |             |
| PROOF                        | ENGINEER                     |             |
| TEST                         |                              |             |
| TGT                          |                              |             |

CEM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611593

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 1 25     | 91      | RW   |
| 600          | Proof                                                          | 1 25     | 91      | RW   |
| 607          | Check Headspace                                                | 1 25     | 91      | RW   |
| 610          | Dis-assemble Gun                                               | 1 25     | 91      | RW   |
| 612          | Magnaflux Barrel<br>Action                                     |          |         | KR   |
|              | Magnaflux Bolt                                                 | 1 25     | 91      | KR   |
| 615          | Rollmark Caliber                                               | 1 25     | 91      | ELG  |
| 617          | Drill and Tap Sight Holes                                      | 1 30     | 91      | FB   |
| 618          | Polish Barrel RBB                                              | 1 30     | 91      | W.B. |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 2-10-91 | JA   |
|              | Apply Coating (Bolt)                                           |          |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 2/18/91 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 2/18/91 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 2/18/91 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 2/18/91 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 2/18/91 | RM   |

| op. #        | OP. NAME                                                    | READINGS |       |       |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 4 1/2    | 4 1/2 | 4 1/2 |      |      | 2/18/91 | WB   |
|              | G) Safety Off Force                                         | 2 1/4    | 2 1/4 | 2 1/4 |      |      | 2/18/91 | WB   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |      |      | 2/18/91 | JK   |
|              | I) Firing Pin Indent                                        | .021     | .0207 | .021  |      |      | 2/18/91 | WB   |
|              | J) Assemble Stock                                           |          |       |       |      |      | 3/6/91  | RW   |
|              | K) Assemble Swivel Studs                                    |          |       |       |      |      | 3-11-91 | DH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |      |      | 3/6/91  | RW   |
|              | M) Iron Sight Alignment                                     |          |       |       |      |      | 3/6/91  | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |      |      | 3/6/91  | RW   |
|              | O) Attach Scope to Rifle                                    |          |       |       |      |      | 3/6/91  | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |      |      | 3/6/91  | RW   |
| 640          | Gallery Target & Test                                       |          |       |       |      |      | 3-6-91  | AF   |
|              | A) Time                                                     |          |       |       |      |      |         | AF   |
|              | B) Malfunctions                                             |          |       |       |      |      |         | AF   |
|              | C) Pierced Primers                                          |          |       |       |      |      |         | AF   |
|              | D) Optical Clarity of Scope                                 |          |       |       |      |      |         | AF   |
| 645          | Inspect for Live Ammo                                       |          |       |       |      |      | 3-6-91  | AF   |
| 655          | Final Inspection                                            |          |       |       |      |      |         |      |
|              | A) Headspace                                                |          |       |       |      |      | 3/11/91 | JK   |
|              | B) Trigger Pull                                             | 2.40     | 2.33  | 2.12  | 2.21 | 2.19 | 3/11/91 | JK   |
|              | C) Function                                                 |          |       |       |      |      | 3/11/91 | JK   |
| 660          | Pack                                                        |          |       |       |      |      | 3-20-91 | DH   |

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

SERIAL NO. C6611593  
DATE 2/18/91  
TESTER JEL

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.33             | 2.49                     | 2.43                           | 2.40 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.47             | 2.52                     | 2.40                           | 2.33 |                                                                        |
| PULL #3 | 2.36             | 2.38                     | 2.39                           | 2.18 |                                                                        |
| PULL #4 | 2.35             | 2.53                     | 2.41                           | 2.21 |                                                                        |
| PULL #5 | 2.24             | 2.47                     | 2.39                           | 2.19 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.50             | 3.31                     |  |          |
| PULL #2 | 3.44             | 3.26                     |  |          |
| PULL #3 | 3.49             | 3.20                     |  |          |
| PULL #4 | 3.39             | 3.19                     |  |          |
| PULL #5 | 3.35             | 3.19                     |  |          |
| 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 | 4.21             | 4.52                     |                                | 4.36                                 |
| PULL #2 | 4.47             | 4.39                     |                                | 4.41                                 |
| PULL #3 | 4.48             | 4.36                     |                                | 4.47                                 |
| PULL #4 | 4.42             | 4.42                     |                                | 4.53                                 |
| PULL #5 | 4.21             | 4.47                     |                                | 4.46                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06611593  
7 Mar 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .162985 |
| 1 TO | 2 | .495362 |
| 1 TO | 3 | .201804 |
| 1 TO | 4 | .207711 |
| 1 TO | 5 | .37143  |

25 <sup>5</sup> <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1232  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.017  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .124367  
THE AMP FOR THIS RIFLE IS: 1.013



8 Mar 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6611593

## CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID #

# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 2.084

VS= 2.805

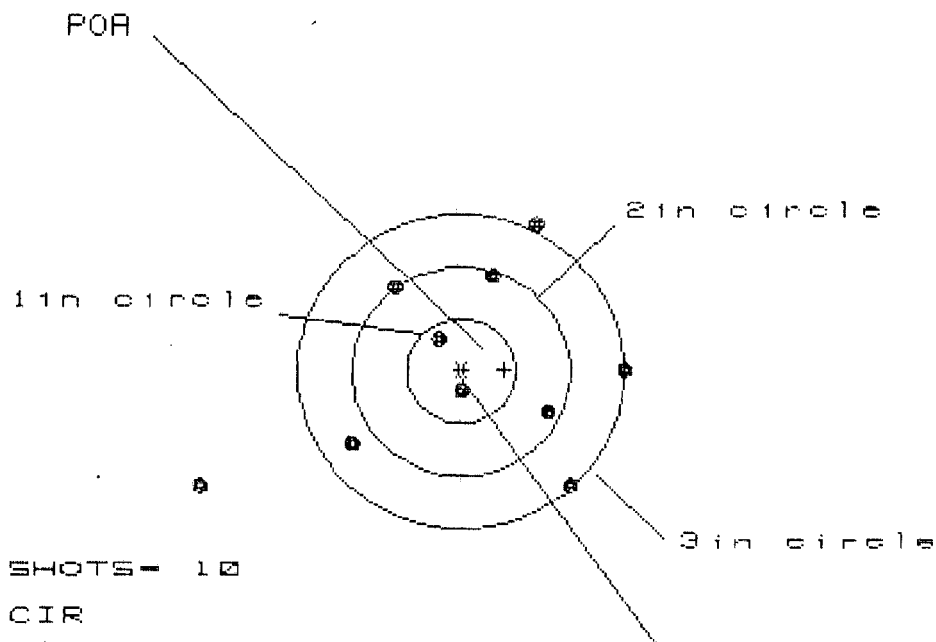
GS= 2.979

| PATTERN #                   | : | 10     | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .565   | .396   | .353   |
| MINIMUM X                   | : | -1.519 | -.349  | -.349  |
| MAXIMUM Y                   | : | 1.436  | 1.300  | 1.007  |
| MINIMUM Y                   | : | -1.369 | -1.505 | -1.343 |
| CENTROID X                  | : | .080   | .249   | .292   |
| CENTROID Y                  | : | -.142  | -.006  | -.168  |
| POA TO CENTROID in.         | : | .163   | .249   | .337   |
| MIN RADIUS                  | : | .171   | .124   | .251   |
| MEAN RADIUS                 | : | .990   | .833   | .789   |
| MAX RADIUS                  | : | 1.951  | 1.505  | 1.343  |
| HORIZONTAL SPREAD           | : | 2.084  | .745   | .702   |
| VERTICAL SPREAD             | : | 2.805  | 2.805  | 2.350  |
| EXTREME SPREAD              | : | 2.979  | 2.828  | 2.371  |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 7      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 9      |        |        |

6 Mar 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6611593

## CENTERFIRE PATTERNS # 2



# OF SHOTS - 10

# IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 3.860

VS = 2.551

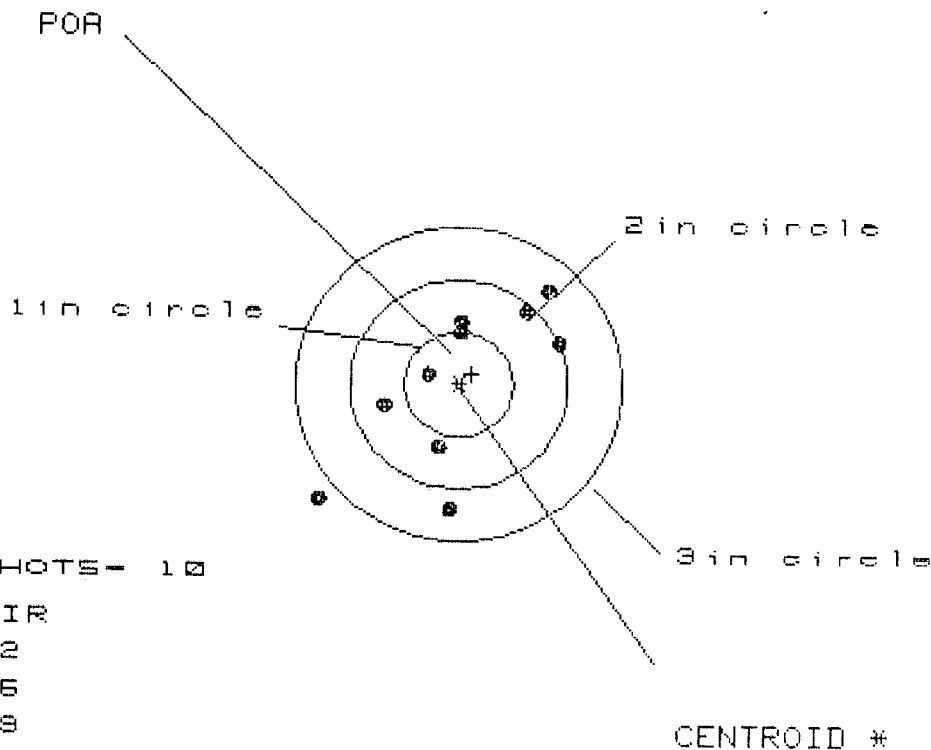
GS = 4.007

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.479  | 1.215  | 1.270  |
| MINIMUM X                     | -2.381 | -1.281 | -1.226 |
| MAXIMUM Y                     | 1.446  | 1.327  | .952   |
| MINIMUM Y                     | -1.105 | -1.224 | -1.058 |
| CENTROID X                    | -.398  | -.134  | -.189  |
| CENTROID Y                    | -.012  | .107   | -.059  |
| POA TO CENTROID in.           | .398   | .171   | .198   |
| MIN RADIUS                    | .218   | .456   | .306   |
| MEAN RADIUS                   | 1.182  | 1.013  | .951   |
| MAX RADIUS                    | 2.609  | 1.516  | 1.385  |
| HORIZONTAL SPREAD             | 3.860  | 2.496  | 2.496  |
| VERTICAL SPREAD               | 2.551  | 2.551  | 2.010  |
| EXTREME SPREAD                | 4.007  | 2.744  | 2.592  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |

6 Mar 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/CG611593

## CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.233

VS= 2.061

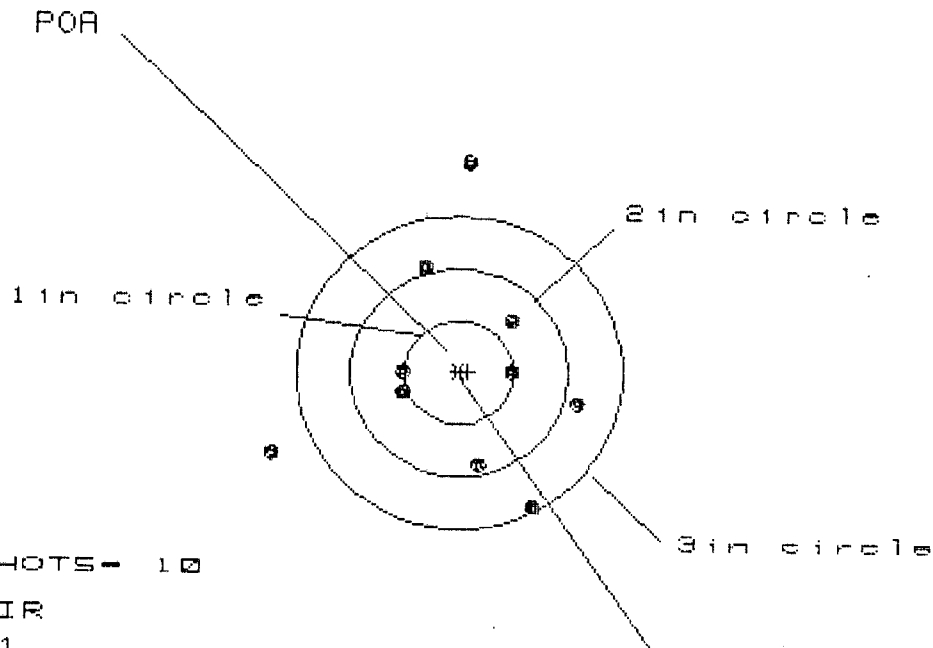
GS= 2.945

| PATTERN #                   | : | 10     | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .946   | .803   | .892   |
| MINIMUM X                   | : | -1.287 | -.793  | -.704  |
| MAXIMUM Y                   | : | .891   | .765   | .659   |
| MINIMUM Y                   | : | -1.170 | -1.296 | -1.200 |
| CENTROID X                  | : | -.118  | .025   | -.064  |
| CENTROID Y                  | : | -.103  | .023   | -.072  |
| POA TO CENTROID in.         | : | .157   | .034   | .097   |
| MIN RADIUS                  | : | .286   | .368   | .324   |
| MEAN RADIUS                 | : | .871   | .758   | .720   |
| MAX RADIUS                  | : | 1.714  | 1.319  | 1.211  |
| HORIZONTAL SPREAD           | : | 2.233  | 1.596  | 1.596  |
| VERTICAL SPREAD             | : | 2.061  | 2.061  | 1.860  |
| EXTREME SPREAD              | : | 2.945  | 2.272  | 1.989  |
| NUMBER IN ONE INCH CIRCLE   | = | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 9      |        |        |

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## CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.715

VS= 3.219

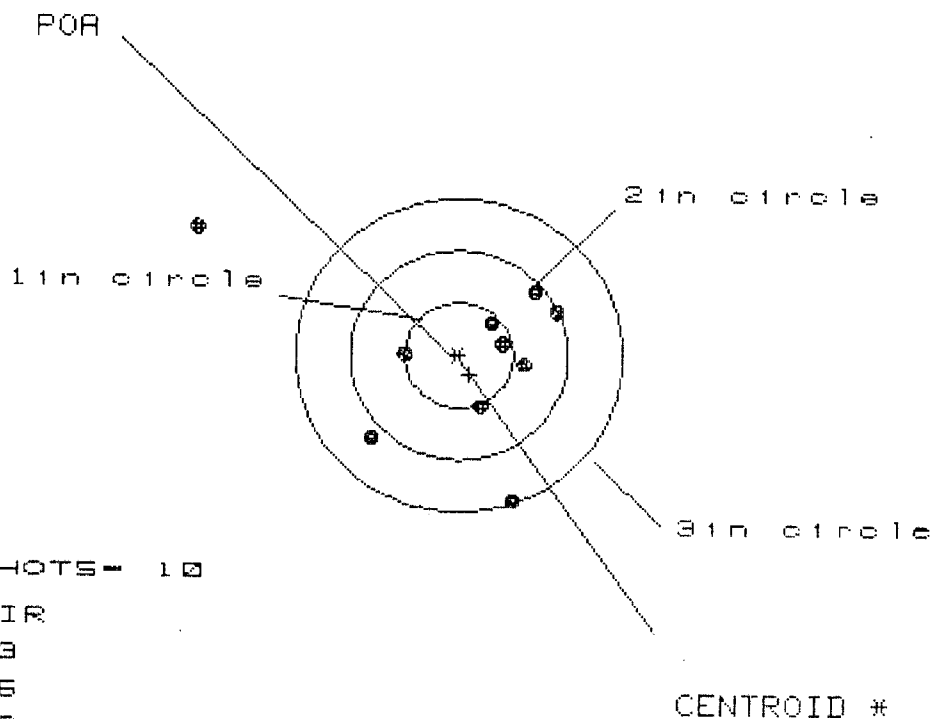
GS= 3.289

| PATTERN #                   | : | 10     | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.046  | 1.052  | .844   |
| MINIMUM X                   | : | -1.668 | -1.663 | -.740  |
| MAXIMUM Y                   | : | 1.972  | 1.246  | 1.176  |
| MINIMUM Y                   | : | -1.246 | -1.027 | -1.097 |
| CENTROID X                  | : | -.082  | -.087  | .121   |
| CENTROID Y                  | : | -.012  | -.232  | -.162  |
| POA TO CENTROID in.         | : | .082   | .248   | .202   |
| MIN RADIUS                  | : | .487   | .470   | .311   |
| MEAN RADIUS                 | : | 1.062  | .949   | .824   |
| MAX RADIUS                  | : | 1.973  | 1.753  | 1.292  |
| HORIZONTAL SPREAD           | : | 2.715  | 2.715  | 1.584  |
| VERTICAL SPREAD             | : | 3.219  | 2.273  | 2.273  |
| EXTREME SPREAD              | : | 3.289  | 2.753  | 2.506  |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 8      |        |        |

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## CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 6

3in = 9

HS= 3.301

VS= 2.577

GS= 3.877

| PATTERN #                     | 15     | 16     | 17    |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | .943   | .681   | .715  |
| MINIMUM X                     | -2.358 | -1.018 | -.984 |
| MAXIMUM Y                     | 1.226  | .787   | .635  |
| MINIMUM Y                     | -1.351 | -1.214 | -.773 |
| CENTROID X                    | -.098  | .164   | .130  |
| CENTROID Y                    | .184   | .047   | .199  |
| POA TO CENTROID in.           | .208   | .171   | .238  |
| MIN RADIUS                    | .425   | .306   | .233  |
| MEAN RADIUS                   | .959   | .712   | .620  |
| MAX RADIUS                    | 2.658  | 1.245  | 1.251 |
| HORIZONTAL SPREAD             | 3.301  | 1.699  | 1.699 |
| VERTICAL SPREAD               | 2.577  | 2.001  | 1.408 |
| EXTREME SPREAD                | 3.877  | 2.039  | 2.039 |
| NUMBER IN ONE INCH CIRCLE =   | 3      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 9      |        |       |