

C6348747

MODEL 700<sup>TM</sup> M24

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

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

M2400063051

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

## RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 94-18177

|                                                         |                                        |                                                                                      |                           |                   |                             |      |
|---------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------|---------------------------|-------------------|-----------------------------|------|
| INITIAL<br>FDC                                          | CUSTOMER ORDER NO.<br>DAAA09-92-C-0834 | W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT<br>ATTN: FRED MARTIN <i>Scope 90-0299</i> |                           |                   |                             |      |
| DATE RECEIVED<br>06/10/94                               | DATE OPENED<br>06/10/94                | DATE CODE                                                                            | SERIAL NUMBER<br>C6348747 | NEW SERIAL NUMBER | MODEL AND GRADE<br>700 7-62 | NATO |
| ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE |                                        |                                                                                      |                           |                   |                             |      |

FROM:

SHIP TO:

COMMANDER (W52H094138H226)  
DEFENSE DIST DEPOT ANNISTON  
ATTN DDAA-UR BLDG 112  
ANNISTON

AL 36201-5025

COMMANDER (W52H094138H226)  
DEFENSE DIST DEPOT ANNISTON  
ATTN DDAA-UR BLDG 112  
ANNISTON

AL

36201-5025

CUST NO: 098397 C.O.D.

|                                       |                    |                                |            |           |               |
|---------------------------------------|--------------------|--------------------------------|------------|-----------|---------------|
| ACCOUNT NUMBER                        | ACCOUNT NUMBER N/C | WRITE <input type="checkbox"/> | PROM. DATE | ESTIMATED | VIA<br>FRT    |
| GUN CONDITION                         |                    |                                |            |           | REPAIR CHARGE |
| <input type="checkbox"/> NEW          |                    |                                |            |           | EXCISE        |
| <input type="checkbox"/> LIGHTLY WORN |                    |                                |            |           | TAX           |
| <input type="checkbox"/> WORN         |                    |                                |            |           | INSURANCE     |
| <input type="checkbox"/> VERY WORN    |                    |                                |            |           | UPS           |
| <input type="checkbox"/> UNREPAIRABLE |                    |                                |            |           | PARCEL POST   |
| <input type="checkbox"/> MARRED       |                    |                                |            |           | TOTAL         |

| CUSTOMER CONCERN | AMMO | FUNCTION | FINISH | ACCURACY | FIT | INSPECT |
|------------------|------|----------|--------|----------|-----|---------|
| CYCLE            | A1   | B1       |        |          |     |         |
| TRIGGER GROUP    |      | B2       |        |          | E1  | F1      |
| BOLT ASSY.       |      | B3       |        |          | E2  | F2      |
| BARREL ASSY.     |      | B4       |        | D1       | E3  | F3      |
| REC. ASSY.       |      | B5       |        | D2       | E4  | F4      |
| WOOD             |      |          | C1     | D3       | E5  | F5      |
| METAL            |      |          | C2     |          |     |         |

MAIN FAULT

PARTS

COMMENTS

*Trigger Assy 173.81*  
*Mag Spring 11.20*  
*Scope Rep 119.43*  
*Clean/Insp/Prep 50.00*  
*344.84*

|                |       |       |               |        |         |
|----------------|-------|-------|---------------|--------|---------|
| REPAIRMAN      | PROOF | CLEAN | TEST          | TARGET | PATTERN |
| GALLERY TESTER | DATE  | DATE  | DATE<br>10/26 | DATE   | DATE    |

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

M2400063052

SWS TRIGGER PULL TEST

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

SERIAL NO. C6348747  
DATE 9-14-95  
TESTER DA

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------------------------------------------------------------------------|
| PULL #1 | 2.49             | 2.63                     | 2.58                           | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.62             | 2.62                     | 2.50                           |                                                                        |
| PULL #3 | 2.63             | 2.68                     | 2.54                           |                                                                        |
| PULL #4 | 2.72             | 2.73                     | 2.62                           |                                                                        |
| PULL #5 | 2.76             | 2.62                     | 2.46                           |                                                                        |
| TOTAL   | 13.22            | 13.28                    | 12.70                          |                                                                        |
| AVG.    | 2.64             | 2.65                     | 2.54                           |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 2.98             | 2.81                     |  |          |
| PULL #2 | 2.90             | 2.90                     |  |          |
| PULL #3 | 2.85             | 2.75                     |  |          |
| PULL #4 | 2.86             | 2.90                     |  |          |
| PULL #5 | 3.06             | 2.80                     |  |          |
| TOTAL   | 14.65            | 14.16                    |  |          |
| AVG.    | 2.93             | 2.83                     |  |          |

|         | 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 | 4.30             | 4.45                     | 4.23                           |                                      |
| PULL #2 | 4.30             | 4.30                     | 4.36                           |                                      |
| PULL #3 | 4.20             | 4.20                     | 4.33                           |                                      |
| PULL #4 | 4.25             | 4.26                     | 4.40                           |                                      |
| PULL #5 | 4.35             | 4.20                     | 4.34                           |                                      |
| TOTAL   | 21.40            | 21.41                    | 21.66                          |                                      |
| AVG.    | 4.28             | 4.28                     | 4.33                           |                                      |

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6348747

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

| op. #        | OP. NAME                                                    | READINGS |       |       |      |      | DATE | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|------|------|------|------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 5     | 5     |      |      | 12/4 | WB   |
|              | G) Safety Off Force                                         | 2 1/2    | 2 1/2 | 2 1/2 |      |      | 12/4 | WB   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |      |      |      |      |
|              | I) Firing Pin Indent                                        |          |       |       |      |      |      |      |
|              | J) Assemble Stock                                           |          |       |       |      |      |      |      |
|              | K) Assemble Swivel Studs                                    |          |       |       |      |      |      |      |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |      |      |      |      |
|              | M) Iron Sight Alignment                                     |          |       |       |      |      |      |      |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |      |      |      |      |
|              | O) Attach Scope to Rifle                                    |          |       |       |      |      |      |      |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |      |      |      |      |
| 640          | Gallery Target & Test                                       |          |       |       |      |      |      |      |
|              | A) Time                                                     |          |       |       |      |      |      |      |
|              | B) Malfunctions                                             |          |       |       |      |      |      |      |
|              | C) Pierced Primers                                          |          |       |       |      |      |      |      |
|              | D) Optical Clarity of Scope                                 |          |       |       |      |      |      |      |
| 645          | Inspect for Live Ammo                                       |          |       |       |      |      |      |      |
| 655          | Final Inspection                                            |          |       |       |      |      |      |      |
|              | A) Headspace                                                |          |       |       |      |      |      |      |
|              | B) Trigger Pull                                             | 2.53     | 2.43  | 2.32  | 2.44 | 2.37 | 12/4 | WB   |
|              | C) Function                                                 |          |       |       |      |      |      |      |
| 660          | Pack                                                        |          |       |       |      |      |      |      |

# Remington®



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

MODEL 700™ H24

SERIAL NO.  
C6348747

ORDER NO.  
5716

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

01



5716 C6348747

UPC



0 47700 25716 7

RL51

M-24

CONTRACT # DAAA21-87-C-0086

New Stock  
3/16/90 RW

GUN SERIAL # C6348747

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 10-9     | 89      | RW   |
| 600          | Proof                                                          | 10-9     | 89      | A    |
| 607          | Check Headspace                                                | 10-9     | 89      | RW   |
| 610          | Dis-assemble Gun                                               | 10-9     | 89      | RW   |
| 612          | Magnaflux Barrel<br>Action                                     | REJECT   | 11/3/89 | KCD  |
|              | Magnaflux Bolt                                                 |          | 11/3/89 | KCD  |
| 615          | Rollmark Caliber                                               |          |         |      |
| 7            | Drill and Tap Sight Holes                                      |          |         |      |
| 618          | Polish Barrel                                                  |          |         |      |
| 620          | Apply Coatings<br>(Barrel Action)                              |          |         |      |
|              | Apply Coating (Bolt)                                           |          |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          |         |      |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          |         |      |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          |         |      |
|              | D) Oil Firing Pin Ass'y                                        |          |         |      |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          |         |      |

| op. #        | OP. NAME                                                    | READINGS | DATE               | INIT               |
|--------------|-------------------------------------------------------------|----------|--------------------|--------------------|
| 625<br>cont. | F) Safety On Force                                          |          |                    |                    |
|              | G) Safety Off Force                                         |          |                    |                    |
|              | H) Trigger Pull Test & Retainability                        |          |                    |                    |
|              | I) Firing Pin Indent                                        |          |                    |                    |
|              | J) Assemble Stock                                           |          |                    |                    |
|              | K) Assemble Swivel Studs                                    |          |                    |                    |
|              | L) Attach Front and Rear Sight Assemblies                   |          |                    |                    |
|              | M) Iron Sight Alignment                                     |          |                    |                    |
|              | N) Detach Front & Rear Sights & place in numbered container |          |                    |                    |
|              | O) Attach Scope to Rifle                                    |          |                    |                    |
|              | P) Detach & Attach Scope 20 Times                           |          |                    |                    |
| 640          | Gallery Target & Test                                       |          | 4-11-90            | <i>[Signature]</i> |
|              | A) Time                                                     |          | 11                 | <i>[Signature]</i> |
|              | B) Malfunctions                                             |          | 11                 | <i>[Signature]</i> |
|              | C) Pierced Primers                                          |          | 11                 | <i>[Signature]</i> |
|              | D) Optical Clarity of Scope                                 |          | <i>[Signature]</i> | <i>[Signature]</i> |
| 645          | Inspect for Live Ammo                                       |          | 4-11-90            | <i>[Signature]</i> |
| 655          | Final Inspection                                            |          |                    |                    |
|              | A) Headspace                                                |          |                    |                    |
|              | B) Trigger Pull                                             |          |                    |                    |
|              | C) Function                                                 |          |                    |                    |
| 660          | Pack                                                        |          |                    |                    |

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # 06348747

| OP. #        | OP. NAME                                                       | READINGS | DATE      | INIT |
|--------------|----------------------------------------------------------------|----------|-----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 11-8     | 89        | RW   |
| 600          | Proof                                                          | 11-8     | 89        | RW   |
| 607          | Check Headspace                                                | 11-8     | 89        | RW   |
| 610          | Dis-assemble Gun                                               | 11-8     | 89        | RW   |
| 612          | Magnaflux Barrel<br>Action                                     | 11-9-89  |           | KCR  |
|              | Magnaflux Bolt                                                 | 11-9-89  |           | KCR  |
| 615          | Rollmark Caliber                                               |          |           |      |
| 617          | Drill and Tap Sight Holes                                      | 11 9     | 89        | FB   |
| 618          | Polish Barrel <i>P.B.</i>                                      | 11 9     | 89        | BT   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 11-7-89   | JA   |
|              | Apply Coating (Bolt)                                           |          |           |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 1/8/90    | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 1/8/90    | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 1/8/90    | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 1/8/90    | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 10/Jan 90 | Q28  |

| op. #        | OP. NAME                                                    | READINGS             |      |      |      |      | DATE     | INIT              |
|--------------|-------------------------------------------------------------|----------------------|------|------|------|------|----------|-------------------|
| 625<br>cont. | F) Safety On Force                                          | 6                    | 6    | 6    |      |      | 1-10-90  | AL                |
|              | G) Safety Off Force                                         | 3                    | 3    | 3    |      |      | 1-10-90  | AL                |
|              | H) Trigger Pull Test & Retainability                        |                      |      |      |      |      | 10/12/90 | JS                |
|              | I) Firing Pin Indent                                        | .021                 | .021 | .021 |      |      | 1-10-90  | JS                |
|              | J) Assemble Stock                                           | New stock 3/16/90 RW |      |      |      |      | 1/12/90  | RW                |
|              | K) Assemble Swivel Studs                                    |                      |      |      |      |      | 1/13/90  | WB                |
|              | L) Attach Front and Rear Sight Assemblies                   |                      |      |      |      |      | 1/26/90  | RW                |
|              | M) Iron Sight Alignment                                     |                      |      |      |      |      | 1/26/90  | RW                |
|              | N) Detach Front & Rear Sights & place in numbered container |                      |      |      |      |      | 1/26/90  | RW                |
|              | O) Attach Scope to Rifle                                    |                      |      |      |      |      | 2/28/90  | WB                |
|              | P) Detach & Attach Scope 20 Times                           |                      |      |      |      |      | 2/28/90  | WB                |
| 640          | Gallery Target & Test                                       | 4/12/90 "            |      |      |      |      | 3-1-90   | IS<br>(TEMPORARY) |
|              | A) Time                                                     | reset "              |      |      |      |      |          |                   |
|              | B) Malfunctions                                             | "                    |      |      |      |      |          |                   |
|              | C) Pierced Primers                                          | "                    |      |      |      |      |          |                   |
|              | D) Optical Clarity of Scope                                 | "                    |      |      |      |      |          |                   |
| 645          | Inspect for Live Ammo                                       | "                    |      |      |      |      |          |                   |
| 655          | Final Inspection                                            |                      |      |      |      |      | 4/30/90  | WB                |
|              | A) Headspace                                                |                      |      |      |      |      |          |                   |
|              | B) Trigger Pull                                             | 2.16                 | 2.21 | 2.20 | 2.26 | 2.27 | 4/12/90  | JS                |
|              | C) Function                                                 |                      |      |      |      |      | 4/27/90  | JS                |
| 660          | Pack                                                        |                      |      |      |      |      | 6-20-90  | DH                |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50#+ .50#

3.00#+ .75#

4.00#+1.00#

SERIAL NO. C6348747

DATE 10 Jan 98

TESTER JLS

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------------------------------------------------------------------------|
| PULL #1 | 2.59             | 2.40                     | 2.58                           | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.10             | 2.38                     | 2.37                           |                                                                        |
| PULL #3 | 2.05             | 2.29                     | 2.36                           |                                                                        |
| PULL #4 | 2.14             | 2.48                     | 2.41                           |                                                                        |
| PULL #5 | 2.12             | 2.23                     | 2.22                           |                                                                        |
| TOTAL   | 11.00            | 11.70                    | 11.94                          |                                                                        |
| AVG.    | 2.20             | 2.34                     | 2.388                          |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES | COMMENTS |
|---------|------------------|--------------------------|----------|
| PULL #1 | 3.09             | 3.13                     |          |
| PULL #2 | 3.15             | 3.02                     |          |
| PULL #3 | 3.08             | 3.04                     |          |
| PULL #4 | 3.14             | 3.24                     |          |
| PULL #5 | 3.13             | 3.14                     |          |
| TOTAL   | 15.59            | 15.57                    |          |
| AVG.    | 3.118            | 3.114                    |          |

|         | 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 | 4.00             | 3.98                     |                                | 3.88                                 |
| PULL #2 | 4.01             | 4.04                     |                                | 3.99                                 |
| PULL #3 | 4.05             | 3.95                     |                                | 4.06                                 |
| PULL #4 | 4.07             | 3.91                     |                                | 4.00                                 |
| PULL #5 | 3.93             | 3.90                     |                                | 4.09                                 |
| TOTAL   | 20.06            | 19.78                    |                                | 20.02                                |
| AVG.    | 4.012            | 3.956                    |                                | 4.004                                |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6348747  
1 Mar 1990

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .429197 |
| 1 TO | 2 | .243311 |
| 1 TO | 3 | .666067 |
| 1 TO | 4 | .13327  |
| 1 TO | 5 | .836863 |

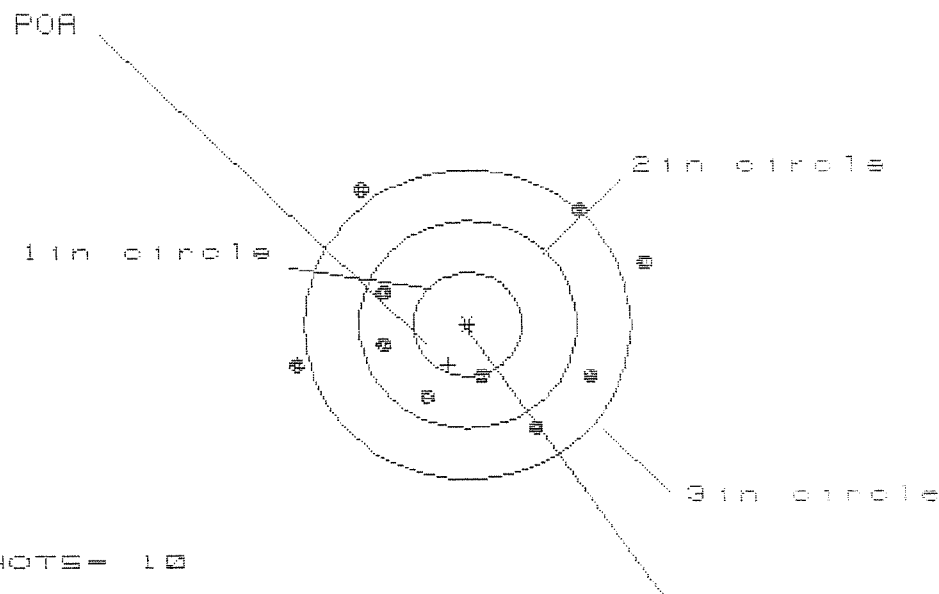
$\frac{2}{5} \frac{4}{5} \rightarrow$  <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0746  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .245  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .256106  
THE AMR FOR THIS RIFLE IS: 1.18

1 Mar 1990

FILE:/PATTERNING/CENTERFIRE\_PATT/C634B747

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 3.226

VS= 2.319

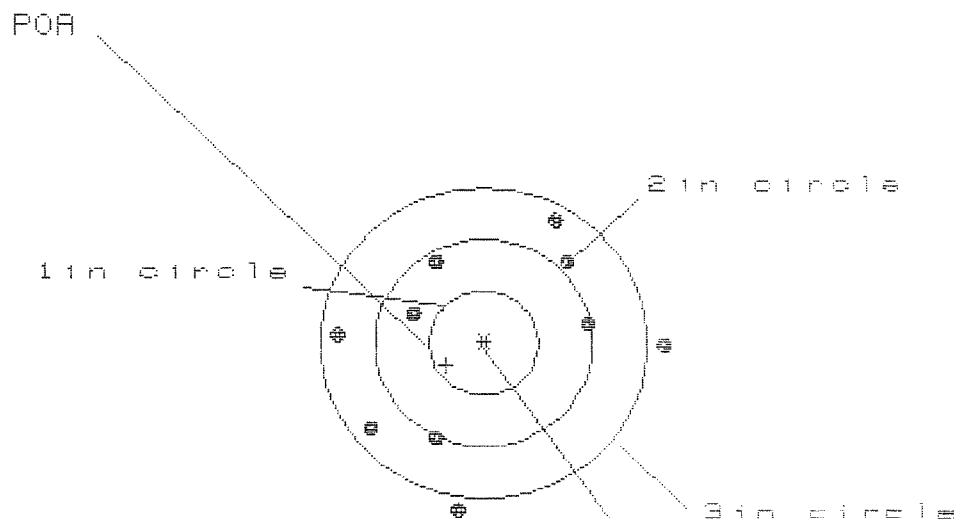
GS= 3.386

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.605  | 1.290  | 1.109  |
| MINIMUM X                     | -1.621 | -1.442 | -0.948 |
| MAXIMUM Y                     | 1.303  | 1.372  | 1.330  |
| MINIMUM Y                     | -1.016 | -0.947 | -0.989 |
| CENTROID X                    | .177   | -.002  | .179   |
| CENTROID Y                    | .391   | .322   | .364   |
| POA TO CENTROID in.           | .429   | .322   | .406   |
| MIN RADIUS                    | .486   | .494   | .460   |
| MEAN RADIUS                   | 1.173  | 1.077  | 1.038  |
| MAX RADIUS                    | 1.722  | 1.670  | 1.633  |
| HORIZONTAL SPREAD             | 3.226  | 2.732  | 2.057  |
| VERTICAL SPREAD               | 2.319  | 2.319  | 2.319  |
| EXTREME SPREAD                | 3.386  | 3.037  | 2.790  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 4      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 7      |        |        |

1 Mar 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/06348747

# CENTERFIRE PATTERNS # 2



# OF SHOTS= 10

# IN CIR

1 in = 0

2 in = 3

3 in = 8

HS= 3.070

VS= 2.841

GS= 3.070

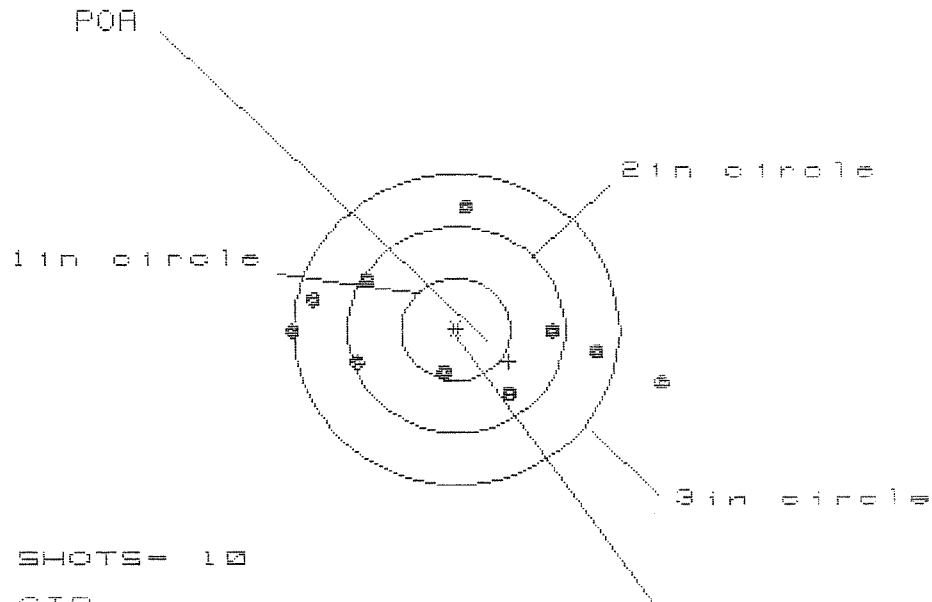
CENTROID \*

| PATTERN #                   | : | 2      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.700  | 1.172  | 1.166  |
| MINIMUM X                   | : | -1.370 | -1.181 | -1.187 |
| MAXIMUM Y                   | : | 1.224  | 1.223  | 1.021  |
| MINIMUM Y                   | : | -1.617 | -1.618 | -1.092 |
| CENTROID X                  | : | .345   | .156   | .162   |
| CENTROID Y                  | : | .215   | .216   | .418   |
| POA TO CENTROID in.         | : | .407   | .267   | .449   |
| MIN RADIUS                  | : | .676   | .504   | .447   |
| MEAN RADIUS                 | : | 1.202  | 1.121  | 1.036  |
| MAX RADIUS                  | : | 1.700  | 1.619  | 1.342  |
| HORIZONTAL SPREAD           | : | 3.070  | 2.353  | 2.353  |
| VERTICAL SPREAD             | : | 2.841  | 2.841  | 2.113  |
| EXTREME SPREAD              | : | 3.070  | 2.987  | 2.629  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

1 Mar 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/08348747

# CENTERFIRE PATTERNS # 3



# OF SHOTS= 10

# IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 3.379

VS= 1.859

GS= 3.425

CENTROID #

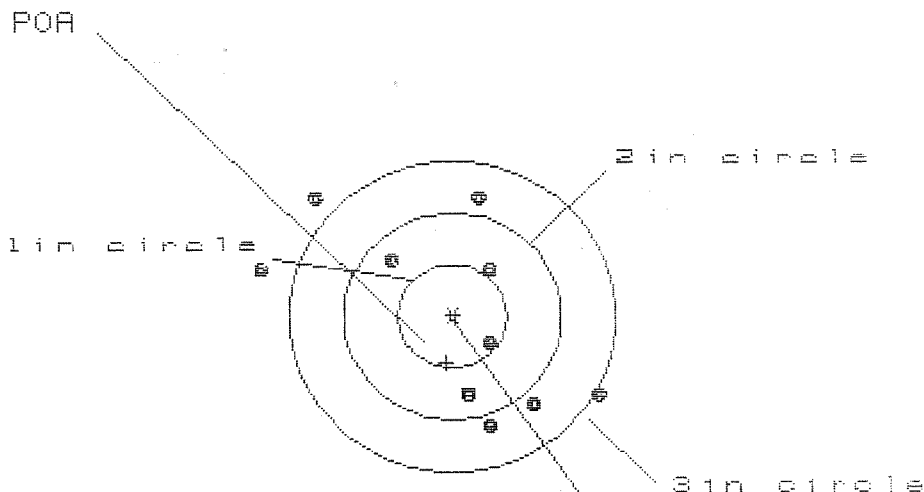
| PATTERN #                   | : | 3      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.985  | 1.534  | 1.376  |
| MINIMUM X                   | : | -1.474 | -1.262 | -1.288 |
| MAXIMUM Y                   | : | 1.217  | 1.156  | 1.149  |
| MINIMUM Y                   | : | -.642  | -.703  | -.710  |
| CENTROID X                  | : | -.484  | -.696  | -.538  |
| CENTROID Y                  | : | .309   | .370   | .377   |
| POA TO CENTROID in.         | : | .574   | .788   | .657   |
| MIN RADIUS                  | : | .421   | .466   | .474   |
| MEAN RADIUS                 | : | 1.147  | 1.035  | 1.064  |
| MAX RADIUS                  | : | 1.983  | 1.554  | 1.400  |
| HORIZONTAL SPREAD           | : | 3.379  | 2.796  | 2.656  |
| VERTICAL SPREAD             | : | 1.859  | 1.859  | 1.859  |
| EXTREME SPREAD              | : | 3.425  | 2.803  | 2.708  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

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FILE:/PATTERNING/CENTERFIRE\_PATT/C8346747

# CENTERFIRE PATTERNS

# 4



# OF SHOTS= 10

# IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 3.082

VS= 2.212

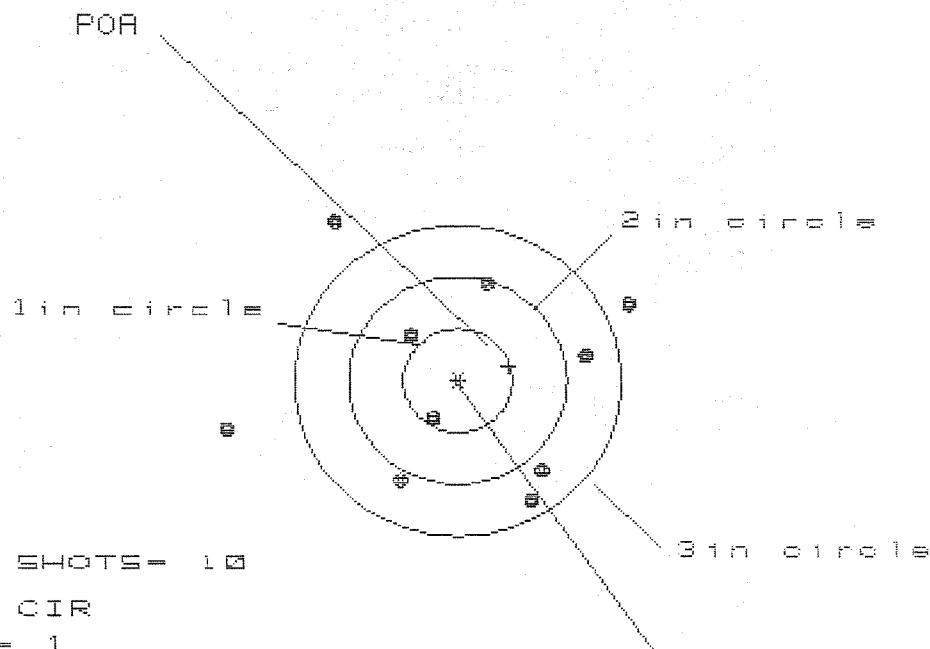
GS= 3.310

| PATTERN #                   | : | 4      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.354  | 1.162  | .979  |
| MINIMUM X                   | : | -1.728 | -1.463 | -.959 |
| MAXIMUM Y                   | : | 1.171  | 1.217  | 1.308 |
| MINIMUM Y                   | : | -1.041 | -.995  | -.843 |
| CENTROID X                  | : | .058   | .250   | .433  |
| CENTROID Y                  | : | .451   | .405   | .253  |
| POA TO CENTROID in.         | : | .455   | .476   | .501  |
| MIN RADIUS                  | : | .446   | .265   | .034  |
| MEAN RADIUS                 | : | 1.106  | .993   | .825  |
| MAX RADIUS                  | : | 1.777  | 1.903  | 1.317 |
| HORIZONTAL SPREAD           | : | 3.082  | 2.625  | 1.938 |
| VERTICAL SPREAD             | : | 2.212  | 2.212  | 2.150 |
| EXTREME SPREAD              | : | 3.310  | 3.278  | 2.356 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |       |

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# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 2

3 in = 7

HS= 3.715

VS= 2.732

GS= 3.907

CENTROID #

| PATTERN #                     | 5      | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.562  | 1.323  | 1.154  |
| MINIMUM X                     | -2.153 | -1.348 | -0.897 |
| MAXIMUM Y                     | 1.526  | 1.472  | 1.102  |
| MINIMUM Y                     | -1.206 | -1.260 | -1.076 |
| CENTROID X                    | -.469  | -.230  | -.061  |
| CENTROID Y                    | -.141  | -.087  | -.271  |
| POA TO CENTROID in.           | .490   | .246   | .278   |
| MIN RADIUS                    | .430   | .613   | .648   |
| MEAN RADIUS                   | 1.271  | 1.156  | 1.028  |
| MAX RADIUS                    | 2.207  | 1.996  | 1.436  |
| HORIZONTAL SPREAD             | 3.715  | 2.671  | 2.051  |
| VERTICAL SPREAD               | 2.732  | 2.732  | 2.178  |
| EXTREME SPREAD                | 3.907  | 3.243  | 2.683  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 2      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 7      |        |        |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06348747  
12 Apr 1990

CENTROIDAL DISTANCES

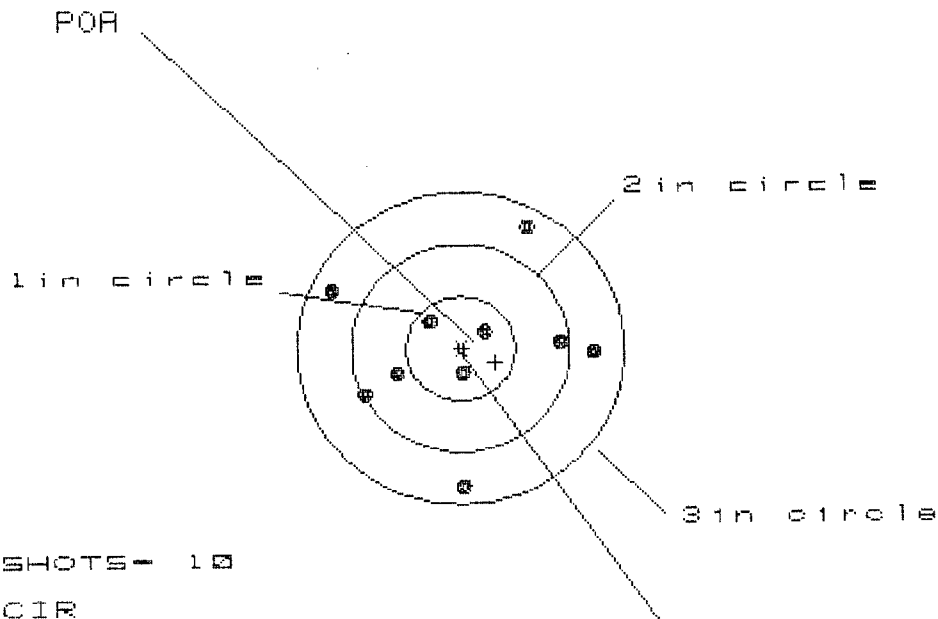
|      |   |         |
|------|---|---------|
| 0 TO | 1 | .34377  |
| 1 TO | 2 | .219804 |
| 1 TO | 3 | .405937 |
| 1 TO | 4 | .560093 |
| 1 TO | 5 | .336823 |

12 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.051  
THE AVERAGE Y COORDINATE FOR THIS RIFLE IS: .0244  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0565364  
THE AMR FOR THIS RIFLE IS: .9366

C6348747

# CENTERFIRE PATTERNS # 1



# OF SHOTS - 10

# IN CIR

1 in = 3

2 in = 6

3 in = 10

HS = 2.416

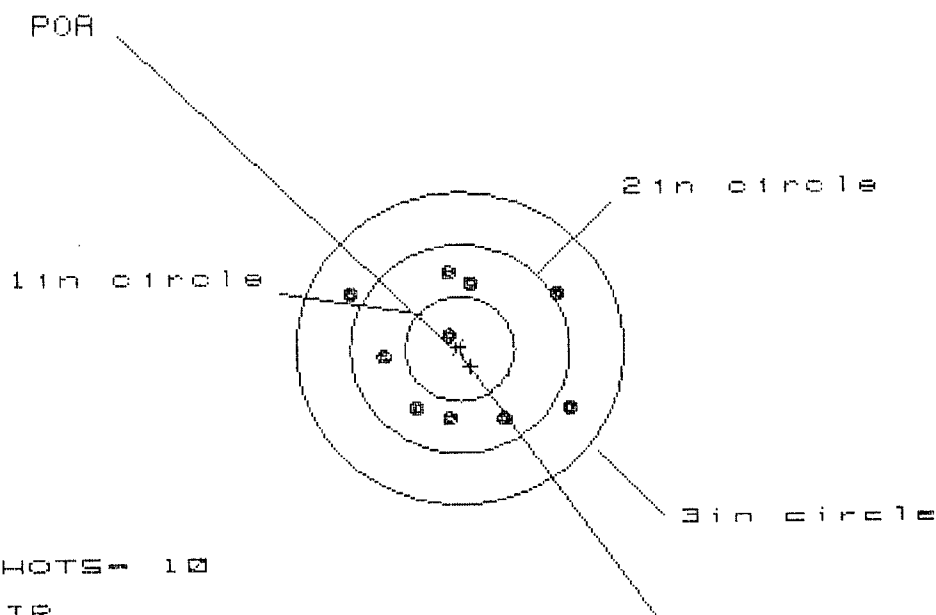
VS = 2.420

GS = 2.510

CENTROID \*

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.192  | 1.056  | 1.119  |
| MINIMUM X                     | -1.224 | -.996  | -.933  |
| MAXIMUM Y                     | 1.136  | 1.204  | .478   |
| MINIMUM Y                     | -1.284 | -1.216 | -1.065 |
| CENTROID X                    | -.317  | -.181  | -.244  |
| CENTROID Y                    | .133   | .065   | -.086  |
| POR TO CENTROID in.           | .343   | .192   | .259   |
| MIN RADIUS                    | .201   | .169   | .048   |
| MEAN RADIUS                   | .857   | .799   | .726   |
| MAX RADIUS                    | 1.370  | 1.308  | 1.131  |
| HORIZONTAL SPREAD             | 2.416  | 2.052  | 2.052  |
| VERTICAL SPREAD               | 2.420  | 2.420  | 1.543  |
| EXTREME SPREAD                | 2.510  | 2.510  | 2.093  |
| NUMBER IN ONE INCH CIRCLE =   | 3      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |        |

# CENTERFIRE PATTERNS # 2



# OF SHOTS: 10

# IN CIR

1in = 1

2in = 7

3in = 10

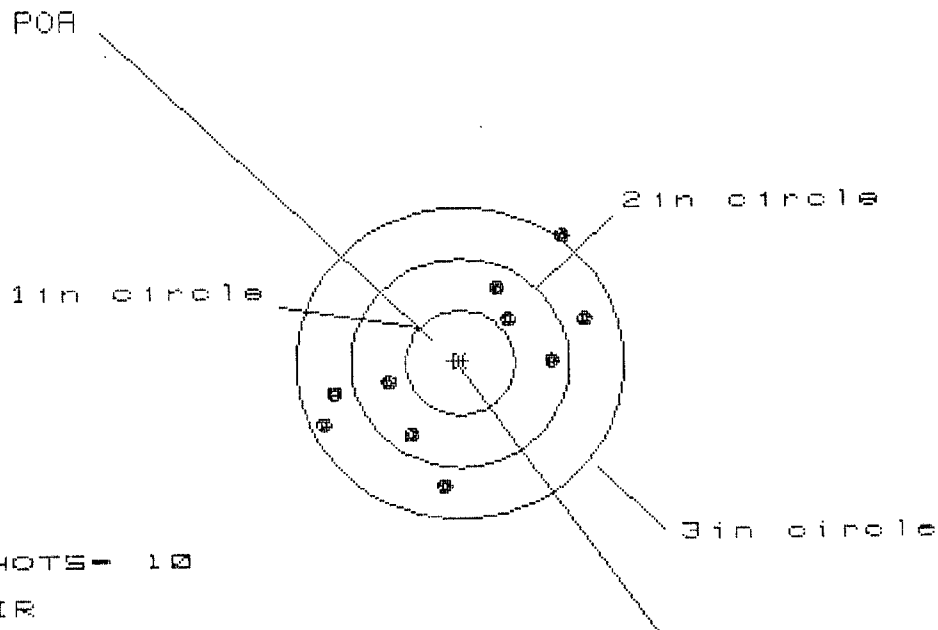
HS= 2.059

VS= 1.381

ES= 2.335

| PATTERN #                     | 10     | 9     | 8     |
|-------------------------------|--------|-------|-------|
| SHOTS (BEST OF)               | 10     | 9     | 8     |
| MAXIMUM X                     | 1.011  | .895  | .891  |
| MINIMUM X                     | -1.048 | -.802 | -.691 |
| MAXIMUM Y                     | .708   | .769  | .708  |
| MINIMUM Y                     | -.673  | -.612 | -.673 |
| CENTROID X                    | -.100  | .016  | -.096 |
| CENTROID Y                    | .168   | .107  | .169  |
| POA TO CENTROID in.           | .195   | .108  | .194  |
| MIN RADIUS                    | .198   | .321  | .200  |
| MEAN RADIUS                   | .778   | .739  | .681  |
| MAX RADIUS                    | 1.183  | 1.021 | 1.019 |
| HORIZONTAL SPREAD             | 2.059  | 1.697 | 1.581 |
| VERTICAL SPREAD               | 1.381  | 1.381 | 1.381 |
| EXTREME SPREAD                | 2.335  | 1.757 | 1.689 |
| NUMBER IN ONE INCH CIRCLE =   | 1      |       |       |
| NUMBER IN TWO INCH CIRCLE =   | 7      |       |       |
| NUMBER IN THREE INCH CIRCLE = | 10     |       |       |

# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1in = 0

2in = 5

3in = 9

HS= 2.400

VS= 2.420

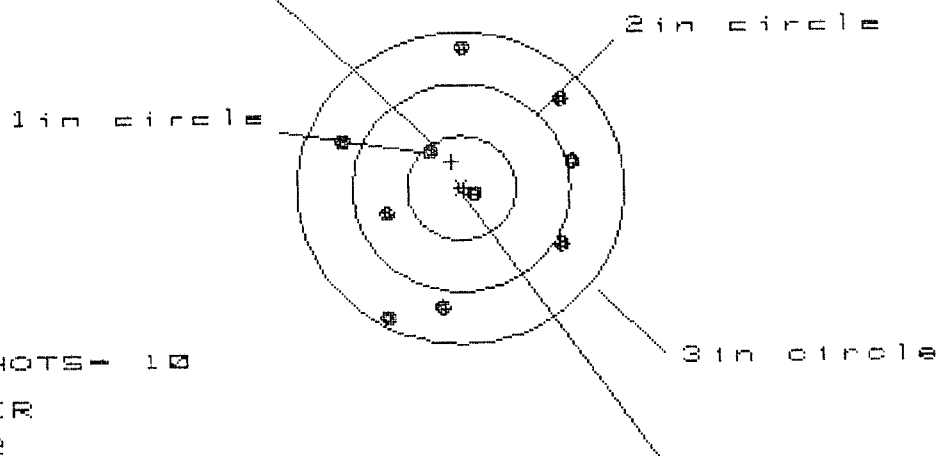
GS= 2.849

| PATTERN #                     | 3      | 3      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.171  | 1.270  | 1.128  |
| MINIMUM X                     | -1.238 | -1.139 | -1.204 |
| MAXIMUM Y                     | 1.265  | .882   | .822   |
| MINIMUM Y                     | -1.155 | -1.014 | -1.074 |
| CENTROID X                    | .059   | -.040  | .102   |
| CENTROID Y                    | -.020  | -.161  | -.101  |
| POA TO CENTROID in.           | .063   | .166   | .143   |
| MIN RADIUS                    | .638   | .606   | .666   |
| MEAN RADIUS                   | 1.037  | .968   | .928   |
| MAX RADIUS                    | 1.551  | 1.391  | 1.237  |
| HORIZONTAL SPREAD             | 2.409  | 2.409  | 2.332  |
| VERTICAL SPREAD               | 2.420  | 1.896  | 1.896  |
| EXTREME SPREAD                | 2.849  | 2.627  | 2.431  |
| NUMBER IN ONE INCH CIRCLE =   | 0      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 9      |        |        |

# CENTERFIRE PATTERNS

# 4

POA



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 3

3 in = 10

HS= 2.115

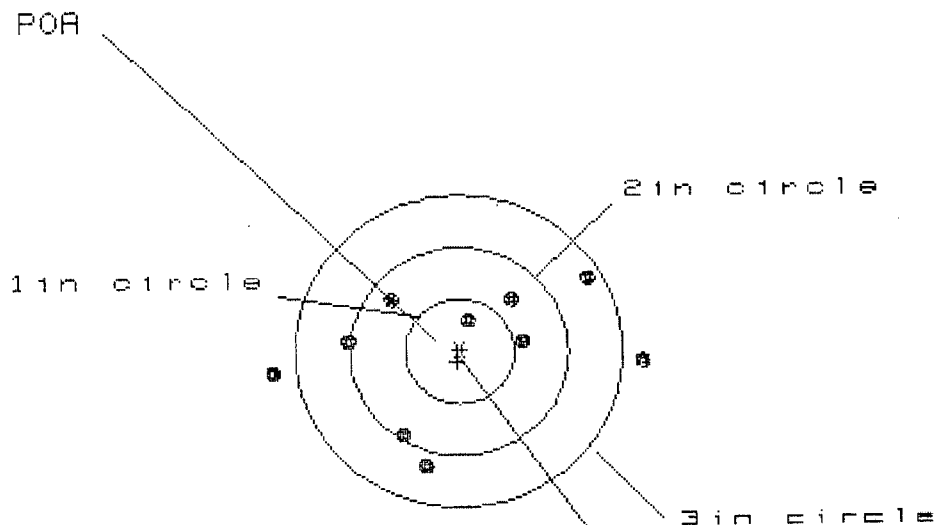
VS= 2.607

GS= 2.699

CENTROID \*

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 4      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .985   | .909   | .901   |
| MINIMUM X                   | : | -1.130 | -1.206 | -1.214 |
| MAXIMUM Y                   | : | 1.360  | 1.221  | .852   |
| MINIMUM Y                   | : | -1.247 | -1.287 | -1.134 |
| CENTROID X                  | : | .085   | .161   | .169   |
| CENTROID Y                  | : | -.257  | -.118  | -.271  |
| POA TO CENTROID in.         | : | .271   | .200   | .319   |
| MIN RADIUS                  | : | .130   | .201   | .055   |
| MEAN RADIUS                 | : | .974   | .921   | .863   |
| MAX RADIUS                  | : | 1.423  | 1.307  | 1.300  |
| HORIZONTAL SPREAD           | : | 2.115  | 2.115  | 2.115  |
| VERTICAL SPREAD             | : | 2.607  | 2.508  | 1.986  |
| EXTREME SPREAD              | : | 2.699  | 2.514  | 2.264  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |

# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 5

3in = 8

HS = 3.408

VS = 1.851

GS = 3.410

CENTROID #

| PATTERN #                     | 5      | 5      | 5      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.717  | 1.392  | 1.204  |
| MINIMUM X                     | -1.691 | -1.500 | -1.003 |
| MAXIMUM Y                     | .715   | .708   | .685   |
| MINIMUM Y                     | -1.136 | -1.143 | -1.166 |
| CENTROID X                    | .018   | -.173  | .015   |
| CENTROID Y                    | .098   | .105   | .128   |
| POA TO CENTROID in.           | .100   | .202   | .128   |
| MIN RADIUS                    | .358   | .451   | .332   |
| MEAN RADIUS                   | 1.037  | .956   | .865   |
| MAX RADIUS                    | 1.718  | 1.562  | 1.386  |
| HORIZONTAL SPREAD             | 3.408  | 2.892  | 2.207  |
| VERTICAL SPREAD               | 1.851  | 1.851  | 1.851  |
| EXTREME SPREAD                | 3.410  | 3.025  | 2.368  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |