

G6360 935  
Rapha  
E 6413593



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6360935.\_\_0  
FILE DATE AND TIME: 11/02/2004 09:02

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | 0.035  |
| The Average Y Centroid of the Five Target Set:              | -0.001 |
| The Average Point of Impact of the Five Target Set:         | 0.035  |
| The Average Mean Radius of the Five Target Set:             | 0.984  |
| The Distance from POA to Centroid Target #1:                | 0.152  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.222  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.162  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.395  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.134  |

SERIAL NUMBER: G6360935. 0

TARGET NUMBER: 1

FILE DATE: 11/02/2004

FILE TIME: 09:02

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.044  | -2.135 |
| 2:     | 0.874  | 0.675  |
| 3:     | 0.557  | -0.038 |
| 4:     | 0.640  | -0.371 |
| 5:     | -0.080 | -0.818 |
| 6:     | -0.225 | -0.598 |
| 7:     | -0.676 | -0.223 |
| 8:     | -0.304 | 0.581  |
| 9:     | -0.118 | 0.667  |
| 10:    | -1.010 | 0.774  |

X CENTROID: -0.030

Y CENTROID: -0.149

POA TO CENTROID: 0.152

HORZ SPREAD: 1.884

VERT SPREAD: 2.909

GROUP SPREAD: 3.094

MIN RADIUS: 0.490

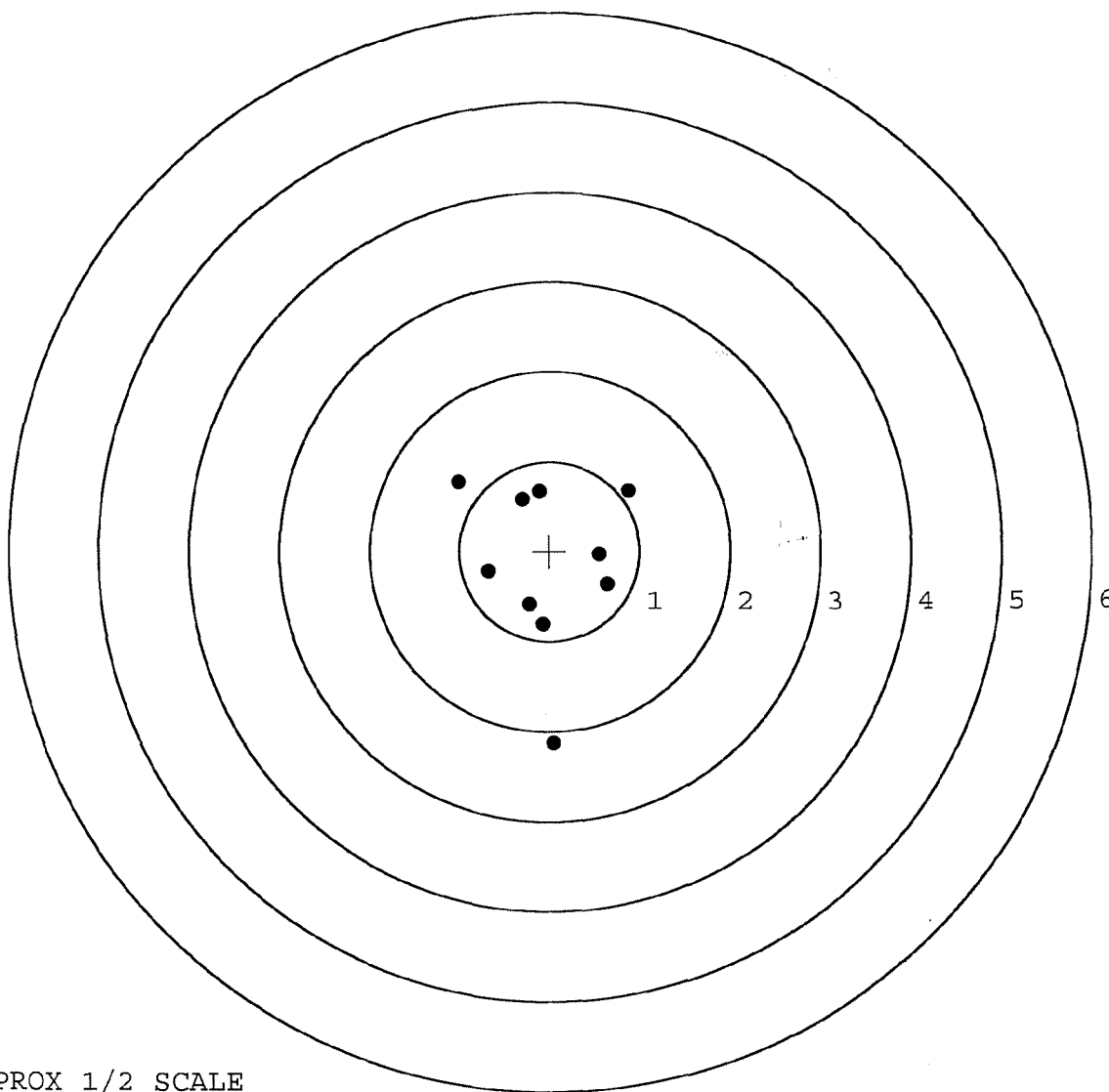
MAX RADIUS: 1.988

MEAN RADIUS: 0.927

# IN 1 IN DIAMETER: 1

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 9

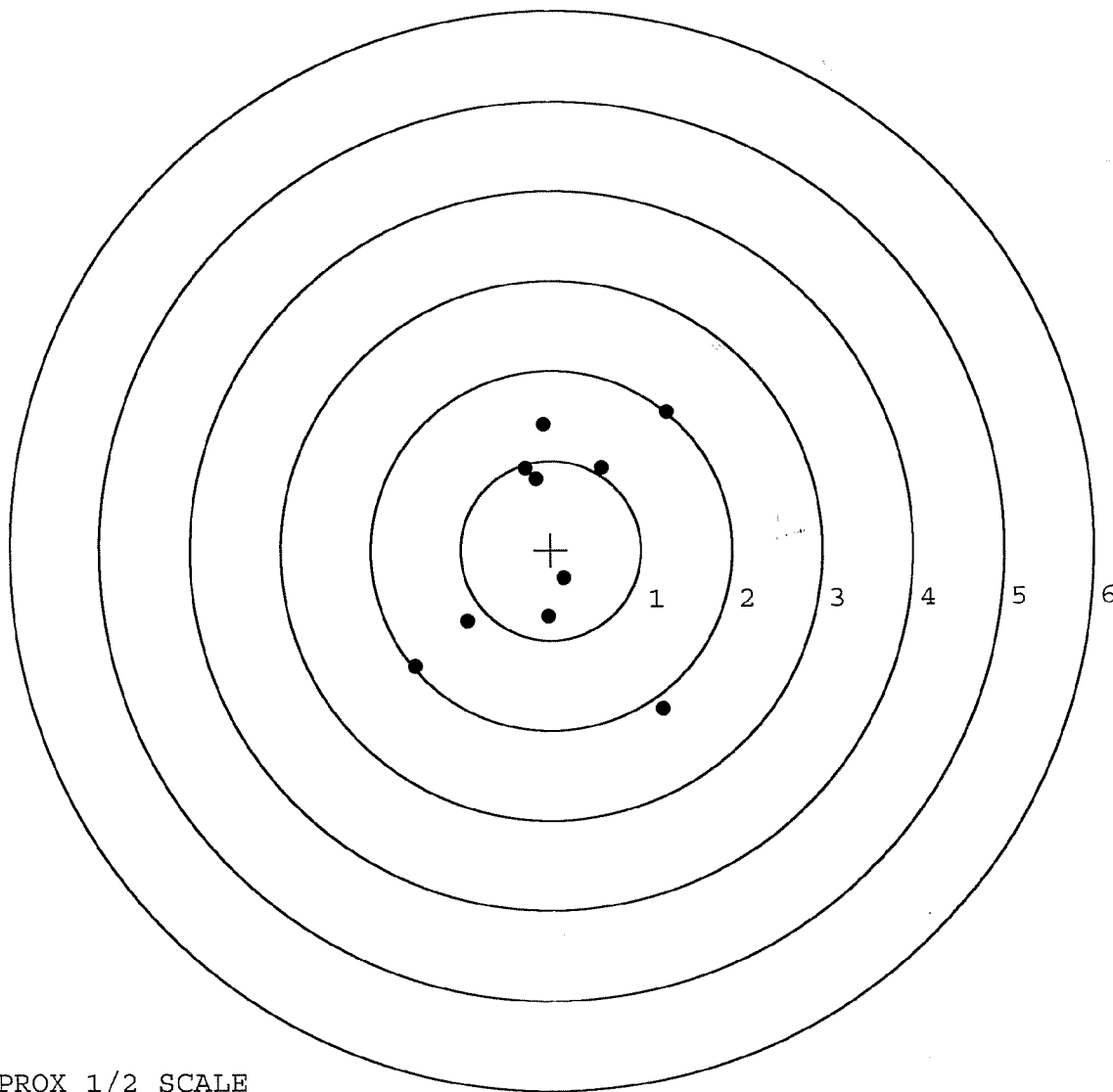


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6360935. \_\_0  
TARGET NUMBER: 2  
FILE DATE: 11/02/2004  
FILE TIME: 09:02

X CENTROID: 0.024  
Y CENTROID: 0.066  
POA TO CENTROID: 0.071  
HORZ SPREAD: 2.806  
VERT SPREAD: 3.306  
GROUP SPREAD: 3.434  
MIN RADIUS: 0.401  
MAX RADIUS: 2.198  
MEAN RADIUS: 1.269  
# IN 1 IN DIAMETER: 1  
# IN 2 IN DIAMETER: 4  
# in 3 IN DIAMETER: 7

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.230  | -1.771 |
| 2:     | -0.036 | -0.744 |
| 3:     | 0.143  | -0.316 |
| 4:     | -0.931 | -0.791 |
| 5:     | -1.514 | -1.282 |
| 6:     | -0.275 | 0.914  |
| 7:     | -0.166 | 0.795  |
| 8:     | -0.074 | 1.406  |
| 9:     | 0.572  | 0.919  |
| 10:    | 1.292  | 1.535  |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6360935. \_\_0

TARGET NUMBER: 3

FILE DATE: 11/02/2004

FILE TIME: 09:02

X CENTROID: -0.092

Y CENTROID: 0.000

POA TO CENTROID: 0.092

HORZ SPREAD: 3.065

VERT SPREAD: 3.438

GROUP SPREAD: 3.241

MIN RADIUS: 0.297

MAX RADIUS: 2.195

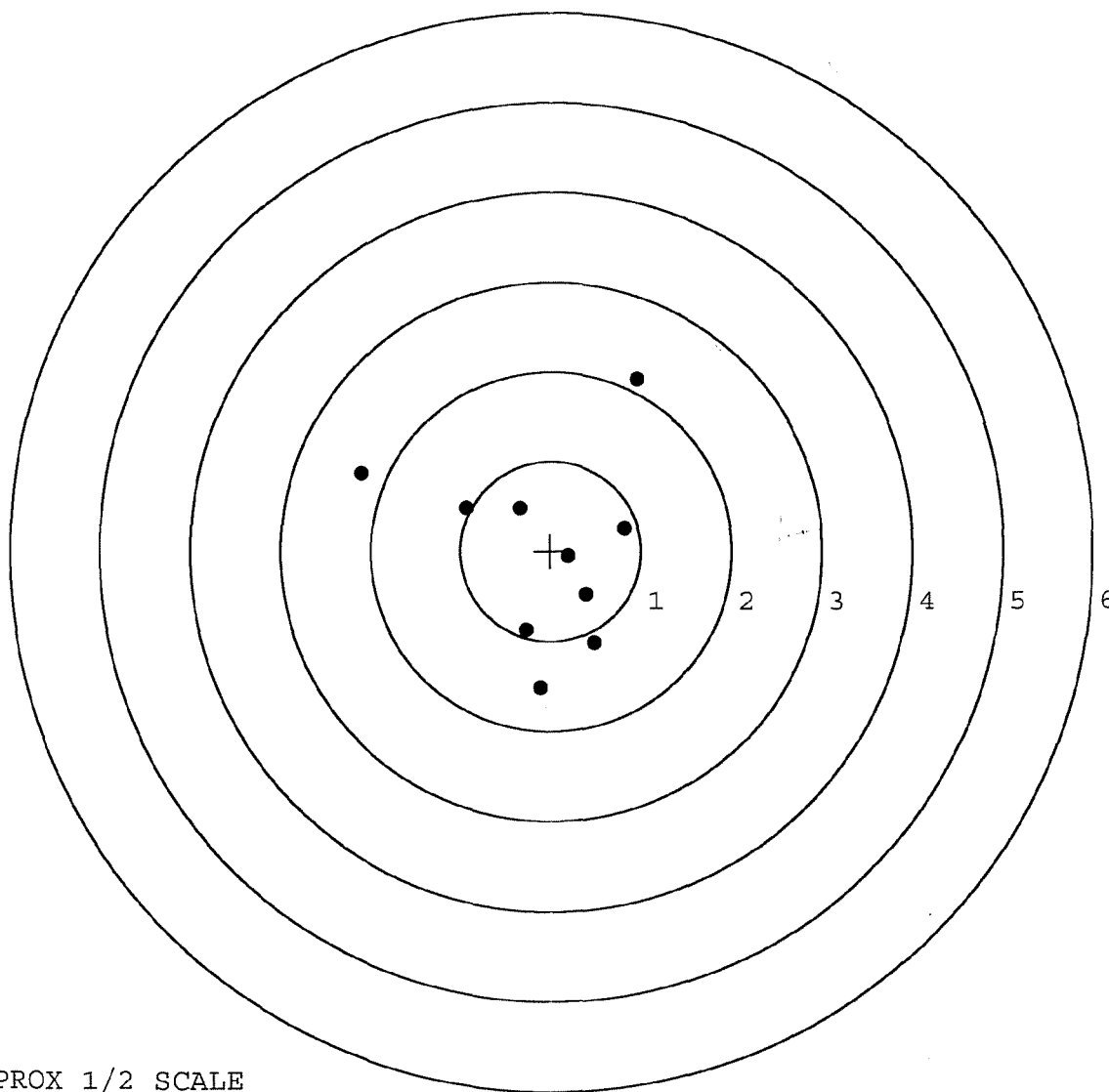
MEAN RADIUS: 1.143

# IN 1 IN DIAMETER: 1

# IN 2 IN DIAMETER: 6

# in 3 IN DIAMETER: 7

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.116 | -1.523 |
| 2:     | 0.493  | -1.025 |
| 3:     | 0.394  | -0.485 |
| 4:     | -0.279 | -0.883 |
| 5:     | 0.198  | -0.064 |
| 6:     | 0.826  | 0.251  |
| 7:     | -0.343 | 0.479  |
| 8:     | -0.935 | 0.479  |
| 9:     | -2.111 | 0.861  |
| 10:    | 0.954  | 1.915  |

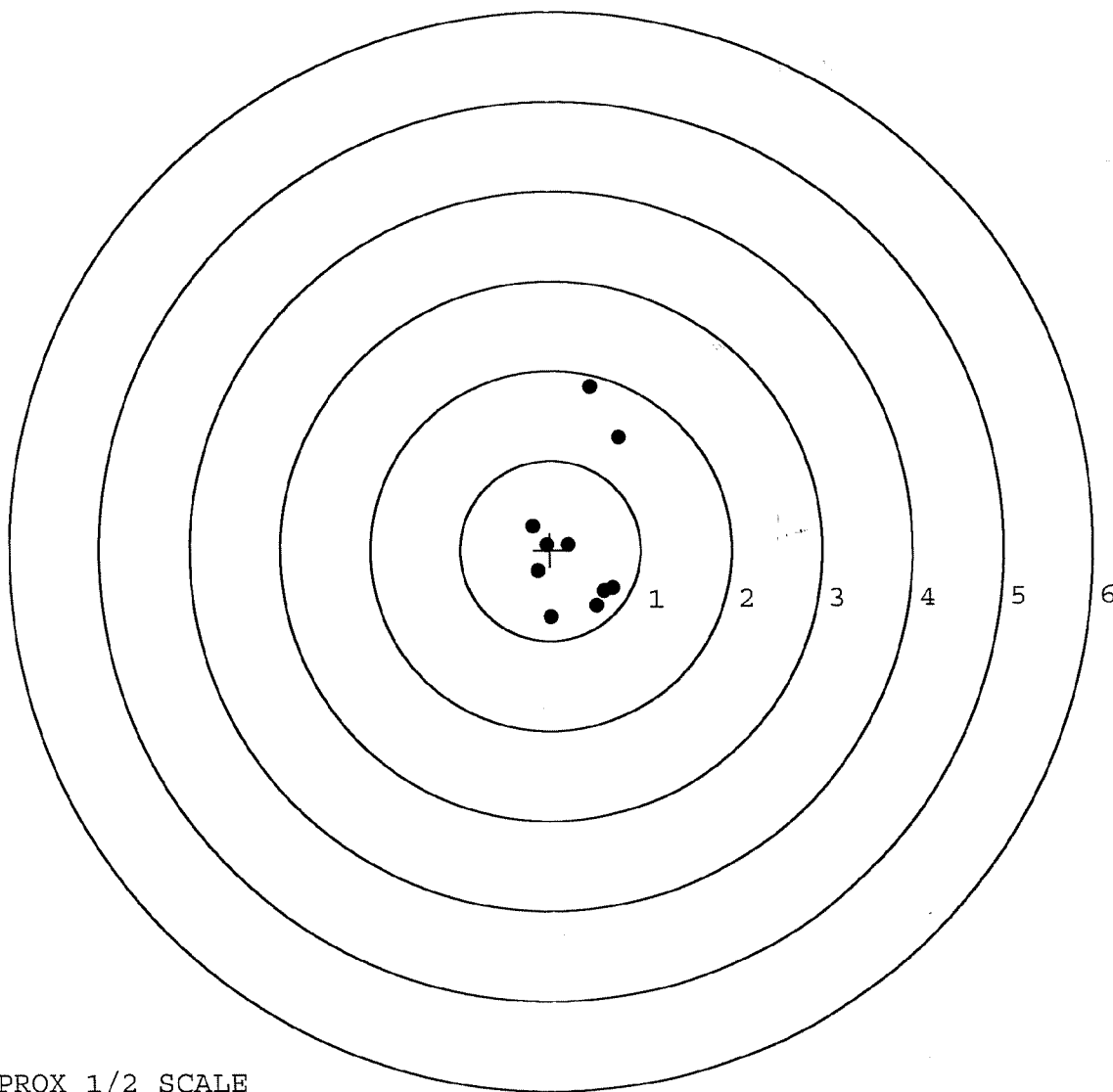


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6360935. 0  
TARGET NUMBER: 4  
FILE DATE: 11/02/2004  
FILE TIME: 09:02

X CENTROID: 0.283  
Y CENTROID: 0.094  
POA TO CENTROID: 0.298  
HORZ SPREAD: 0.961  
VERT SPREAD: 2.565  
GROUP SPREAD: 2.604  
MIN RADIUS: 0.085  
MAX RADIUS: 1.734  
MEAN RADIUS: 0.738  
# IN 1 IN DIAMETER: 2  
# IN 2 IN DIAMETER: 8  
# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.689  | -0.429 |
| 2:     | 0.587  | -0.464 |
| 3:     | 0.507  | -0.626 |
| 4:     | 0.003  | -0.746 |
| 5:     | -0.144 | -0.240 |
| 6:     | 0.206  | 0.056  |
| 7:     | -0.195 | 0.260  |
| 8:     | -0.045 | 0.056  |
| 9:     | 0.766  | 1.249  |
| 10:    | 0.453  | 1.819  |

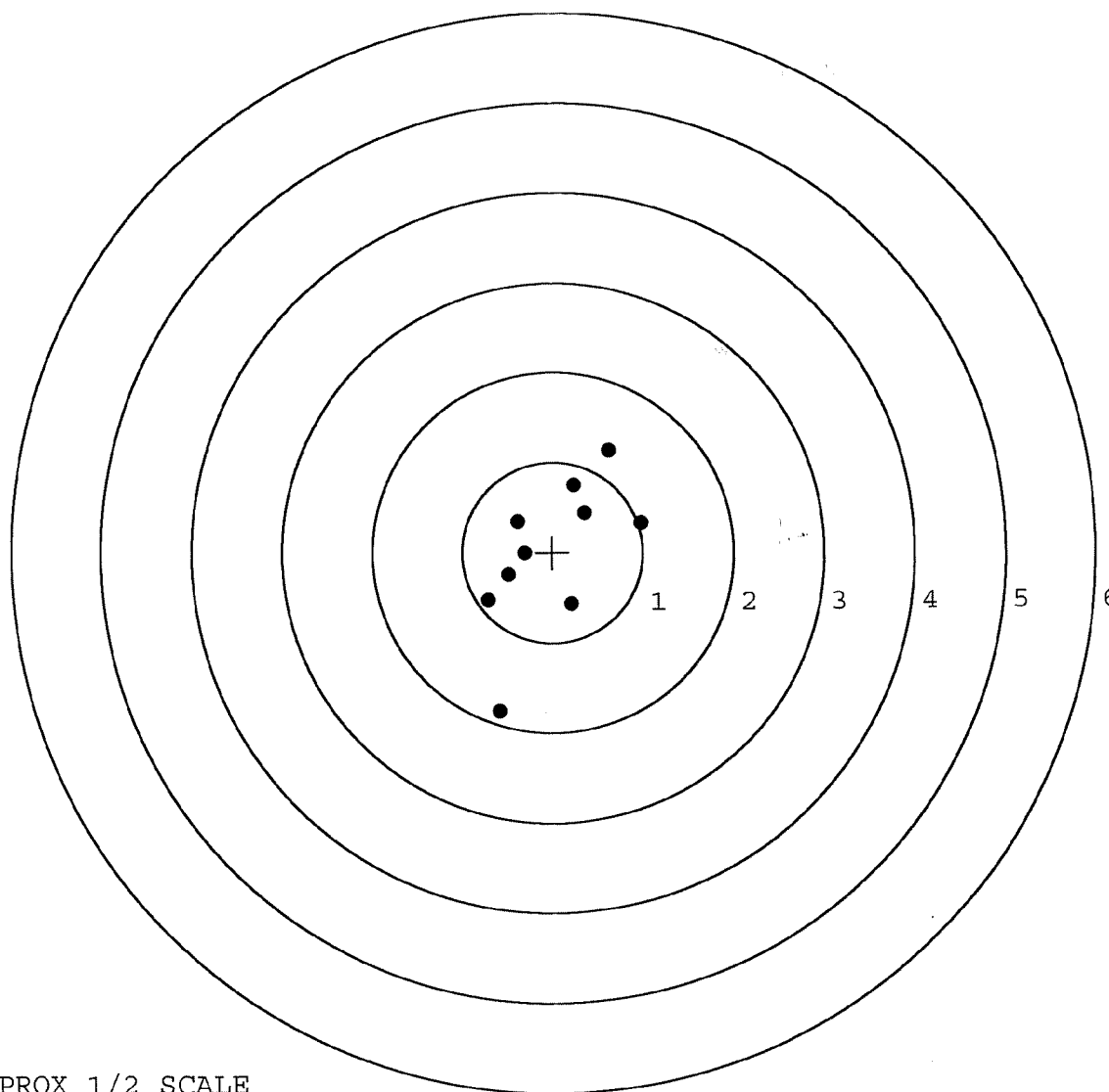


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6360935. \_\_0  
TARGET NUMBER: 5  
FILE DATE: 11/02/2004  
FILE TIME: 09:02

X CENTROID: -0.008  
Y CENTROID: -0.017  
POA TO CENTROID: 0.018  
HORZ SPREAD: 1.705  
VERT SPREAD: 2.890  
GROUP SPREAD: 3.139  
MIN RADIUS: 0.305  
MAX RADIUS: 1.844  
MEAN RADIUS: 0.842  
# IN 1 IN DIAMETER: 1  
# IN 2 IN DIAMETER: 7  
# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.597 | -1.764 |
| 2:     | 0.211  | -0.579 |
| 3:     | 0.985  | 0.323  |
| 4:     | 0.628  | 1.126  |
| 5:     | 0.240  | 0.740  |
| 6:     | 0.361  | 0.435  |
| 7:     | -0.384 | 0.340  |
| 8:     | -0.313 | -0.007 |
| 9:     | -0.490 | -0.253 |
| 10:    | -0.720 | -0.528 |



TARGET APPROX 1/2 SCALE

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

USAPPC.V1.10

**M2400082749**

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS  
2.50 LBS (plus or minus 0.50 LBS)  
3.00 LBS (plus or minus 0.75 LBS)  
4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO.

DATE 10-13-04

TESTER TRW

|         | 2.50 LBS<br>INITIAL | 2.50 LBS AFTER<br>50 CYCLES | FINAL TEST & TO RESET<br>2.50 LBS |       | COMMENTS |
|---------|---------------------|-----------------------------|-----------------------------------|-------|----------|
| PULL #1 | 2.19                | 2.17                        |                                   | 2.26  |          |
| PULL #2 | 2.34                | 2.35                        |                                   | 2.17  |          |
| PULL #3 | 2.52                | 2.49                        |                                   | 2.15  |          |
| PULL #4 | 2.41                | 2.41                        |                                   | 2.12  |          |
| PULL #5 | 2.50                | 2.35                        |                                   | 2.01  |          |
| TOTAL   | 11.96               | 11.77                       |                                   | 10.71 |          |
| AVERAGE | 2.39                | 2.35                        |                                   | 2.14  |          |

|         | 3.00 LBS<br>INITIAL | 3.00 LBS AFTER<br>20 CYCLES |  | COMMENTS |
|---------|---------------------|-----------------------------|--|----------|
| PULL #1 | 3.34                | 3.20                        |  |          |
| PULL #2 | 3.43                | 3.24                        |  |          |
| PULL #3 | 3.28                | 2.99                        |  |          |
| PULL #4 | 3.35                | 3.17                        |  |          |
| PULL #5 | 3.38                | 3.12                        |  |          |
| TOTAL   | 16.78               | 15.72                       |  |          |
| AVERAGE | 3.35                | 3.14                        |  |          |

|         | 4.00 LBS<br>INITIAL | 4.00 LBS AFTER<br>20 CYCLES | MAX SETTING GREATER<br>THAN 4 LBS | RESET TO 4 LBS FOR<br>TARGET & ACCURACY |
|---------|---------------------|-----------------------------|-----------------------------------|-----------------------------------------|
| PULL #1 | 4.36                | 4.23                        |                                   | 3.95                                    |
| PULL #2 | 4.02                | 4.12                        |                                   | 4.06                                    |
| PULL #3 | 4.26                | 4.19                        |                                   | 4.09                                    |
| PULL #4 | 4.33                | 4.21                        |                                   | 3.99                                    |
| PULL #5 | 4.33                | 4.21                        |                                   | 3.99                                    |
| TOTAL   | 21.30               | 20.96                       |                                   | 20.08                                   |
| AVERAGE | 4.26                | 4.19                        |                                   | 4.01                                    |

**M-24 INSPECTION CHECKLIST**  
**CONTRACT #: DAAE-20-02-D-0127**

|                            |                                  |                     |         |
|----------------------------|----------------------------------|---------------------|---------|
| R & E NUMBER               | 85642                            |                     |         |
| SERIAL NUMBER              | <del>E6413593</del> new G6360935 |                     |         |
| LOG-IN DATE                | 9-28-04                          |                     |         |
| <b>INSPECT AND VERIFY:</b> |                                  |                     |         |
| OPERATION #                | OPERATION NAME                   | DATE                | INITIAL |
| 550                        | DIS-ASSEMBLE GUN                 | 10-7-04             | AC      |
| 560 A                      | RE-BARREL                        | 10-8-04             | AC      |
| B                          | DRILL AND TAP                    | 10-12-04            | TRW     |
| 575                        | ASSEMBLE                         | 10-8-04             | RTL     |
| 600                        | PROOF                            | 10-11-04            | K       |
| 605                        | CHECK HEADSPACE                  | 10-12-04            | RTL     |
| 610                        | DIS-ASSEMBLE GUN                 | 10-12-04            | RTL     |
| 612                        | MAGNAFLUX                        |                     |         |
| 615                        | ROLLMARK CALIBER                 | 10/13/04            | CU      |
| 618                        | ROTO-BLAST                       | 10/14/04            | LB      |
| 620                        | APPLY COATINGS                   | 10/25/04            | HP      |
| 625 A                      | FINAL ASSEMBLY                   | 10-28-04            | RTL     |
| B                          | TRIGGER PULL TEST                | 11-3-04             | DA      |
| C                          | SAFETY "ON" FORCE                | 11-3-04             | DA      |
| D                          | SAFETY "OFF" FORCE               | 11-3-04             | DA      |
| E                          | FIRING PIN INDENT                | 11-3-04             | DA      |
| 640                        | TARGET                           | 11-2-04             | TRW     |
| 655                        | FINAL INSPECT                    | 11-3-04             | AC      |
| 660                        | PACK                             | 11-4-04             | DA      |
|                            |                                  | SHIP DATE           |         |
|                            |                                  | QAR INSPECTION DATE |         |



Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # E6413593

2 Apr 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .029

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0292

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0411539

THE AMR FOR THIS RIFLE IS: 1.128

# CENTROIDAL DISTANCES

|   |    |   |          |
|---|----|---|----------|
| 0 | TO | 1 | .0748465 |
| 1 | TO | 2 | .267088  |
| 1 | TO | 3 | .317907  |
| 1 | TO | 4 | .0756042 |
| 1 | TO | 5 | .175414  |

2  
4 5 <----POA  
3

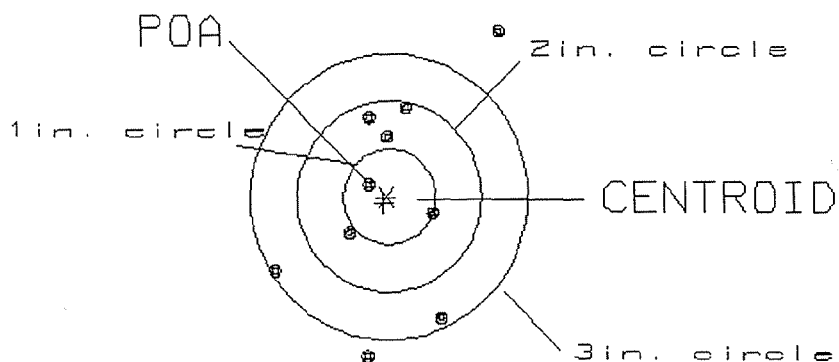
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .074  
 MIN RADIUS : .227  
 MEAN RADIUS : 1.023  
 MAX RADIUS : 2.101  
 CENTROID X : .029  
 CENTROID Y : .069

2 Apr 2001

FILE:/Hqbasic/Accuracy/Patterning/Centerfire\_Patt/e6413593

# CENTERFIRE PATTERN # 1



# OF SHOTS= 10

# IN CIRCLE

HS= 2.41  
 VS= 3.38  
 GS= 3.67

2  
 6  
 8

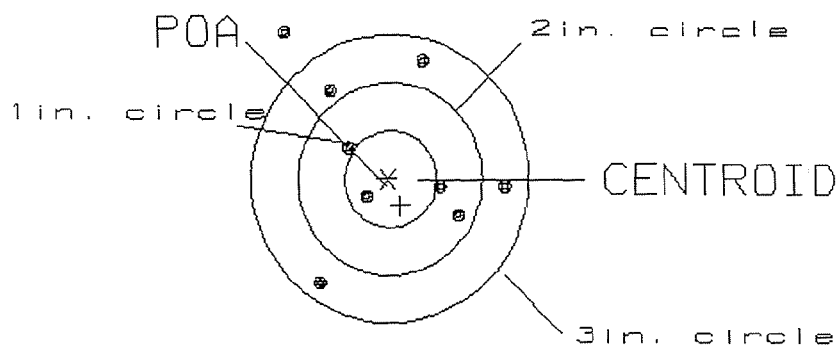
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .309  
 MIN RADIUS : .332  
 MEAN RADIUS : 1.155  
 MAX RADIUS : 2.189  
 CENTROID X : -.141  
 CENTROID Y : .275

2 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/e6413593

# CENTERFIRE PATTERN # 2



# OF SHOTS= 10

# IN CIRCLE

HS= 2.43  
 VS= 3.67  
 GS= 3.98

1  
 4  
 8

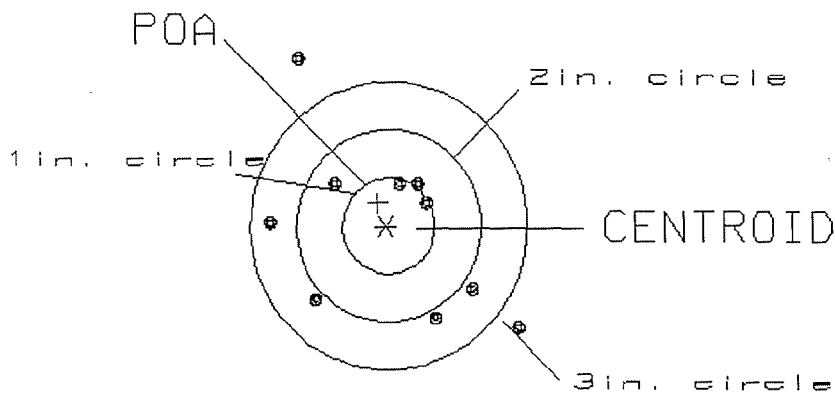
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .259  
 MIN RADIUS : .466  
 MEAN RADIUS : 1.050  
 MAX RADIUS : 2.015  
 CENTROID X : .090  
 CENTROID Y : -.243

2 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/e6413593

# CENTERFIRE PATTERN # 3



# OF SHOTS= 10

# IN CIRCLE

HS= 2.66  
 VS= 2.83  
 GS= 3.70

2  
 4  
 8

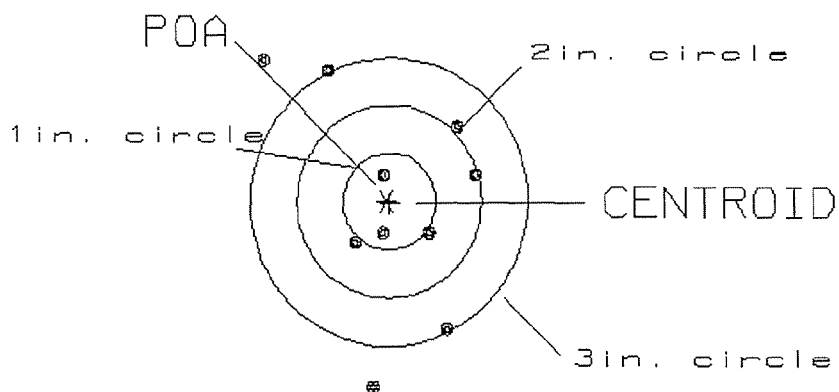
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .039  
 MIN RADIUS : .297  
 MEAN RADIUS : 1.064  
 MAX RADIUS : 2.022  
 CENTROID X : -.031  
 CENTROID Y : .023

2 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/e6413593

# CENTERFIRE PATTERN # 4



# OF SHOTS= 10

# IN CIRCLE

HS= 2.24  
 VS= 3.43  
 GS= 3.63

2  
 5  
 7

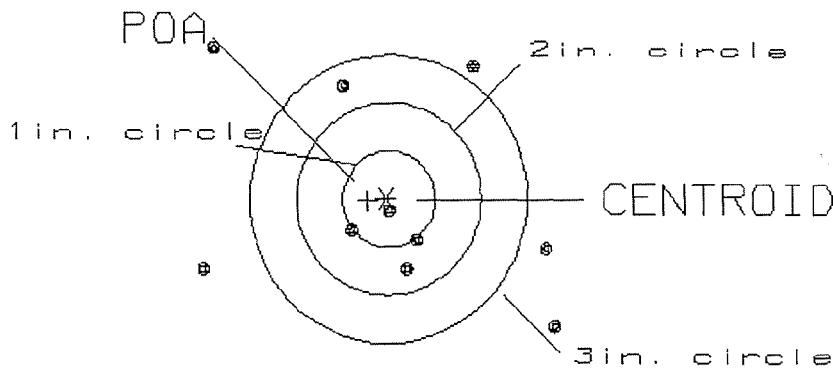
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .199  
 MIN RADIUS : .144  
 MEAN RADIUS : 1.348  
 MAX RADIUS : 2.523  
 CENTROID X : .198  
 CENTROID Y : .022

2 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/e6413593

# CENTERFIRE PATTERN # 5



# OF SHOTS= 10

# IN CIRCLE

HS= 3.80

2

VS= 2.94

4

GS= 4.72

5

**M-24 INSPECTION CHECKLIST**  
**CONTRACT #: DAAE-20-97-C-242**

|                                      |                          |                     |                |
|--------------------------------------|--------------------------|---------------------|----------------|
| <b>R &amp; E NUMBER</b>              |                          |                     |                |
| <b>SERIAL NUMBER</b> <i>F6413593</i> |                          |                     |                |
| <b>LOG-IN DATE</b> <i>2-17-01</i>    |                          |                     |                |
| <b>INSPECT AND VERIFY:</b>           |                          |                     |                |
| <b>OPERATION #</b>                   | <b>OPERATION NAME</b>    | <b>DATE</b>         | <b>INITIAL</b> |
| 550                                  | DIS-ASSEMBLE GUN         | <i>2-21-01</i>      | <i>CK</i>      |
| 560 A                                | RE-BARREL AT CUSTOM SHOP |                     |                |
| B                                    | DRILL AND TAP            |                     |                |
| C                                    | POLISH                   |                     |                |
| 575                                  | ASSEMBLE                 |                     |                |
| 600                                  | PROOF                    | <i>3-23-01</i>      | <i>RW</i>      |
| 605                                  | CHECK HEADSPACE          | <i>3-23-01</i>      | <i>RW</i>      |
| 610                                  | DIS-ASSEMBLE GUN         |                     |                |
| 612                                  | MAGNAFLUX                |                     |                |
| 615                                  | ROLLMARK CALIBER         |                     |                |
| 618                                  | ROTO-BLAST               |                     |                |
| 620                                  | APPLY COATINGS           |                     |                |
| 625 A                                | FINAL ASSEMBLY           |                     |                |
| B                                    | TRIGGER PULL TEST        |                     |                |
| C                                    | SAFETY "ON" FORCE        |                     |                |
| D                                    | SAFETY "OFF" FORCE       |                     |                |
| E                                    | FIRING PIN INDENT        |                     |                |
| 640                                  | TARGET                   | <i>4-2-01</i>       | <i>RW</i>      |
| 655                                  | FINAL INSPECT            | <i>4-3-07</i>       | <i>RW</i>      |
| 660                                  | PACK                     |                     |                |
|                                      |                          | SHIP DATE           |                |
|                                      |                          | QAR INSPECTION DATE |                |

## Final Inspection

Sn: E6413593

DATE REC'D: 2-17-01

DATE RET'D:

Auditor: CE

Item:

Barrel Assy.

- ☒ BARREL
- ☒ RECEIVER
- ☒ FRONT SIGHT BLOCK
- ☒ REAR SIGHT BLOCK
- ☒ SCREWS
- ☒ FINISH

Item:

Stock Assy.

- ☒ STOCK
- ☒ SLING SWIVEL STUDS
- ☒ ADJUSTABLE BUTT PLATE
- ☒ LOCK NUTS
- ☒ BARREL CLEARANCE
- ☒ COLOR/FINISH

Scope Assy.

- ☒ SCOPE
- ☒ SCOPE RINGS
- ☒ MOUNTING SCREWS
- ☒ MOUNTING BASE
- ☒ SCREWS
- ☒ FINISH
- ☒ LOOSENESS
- ☒ CLARITY

Systems Case

- ☒ SCOPE CASE
- ☒ IRON SIGHTS
- ☒ DEPLOYMENT KIT

Trigger

- ☒ SAFETY OPERATION
- ☒ SET

Misc.

- ☒ DD-250
- ☒ BAR CODE
- ☒ PACKAGING

Comments: \_\_\_\_\_