C6225306

MODEL 700™ M24

Model 700 M24™

Action

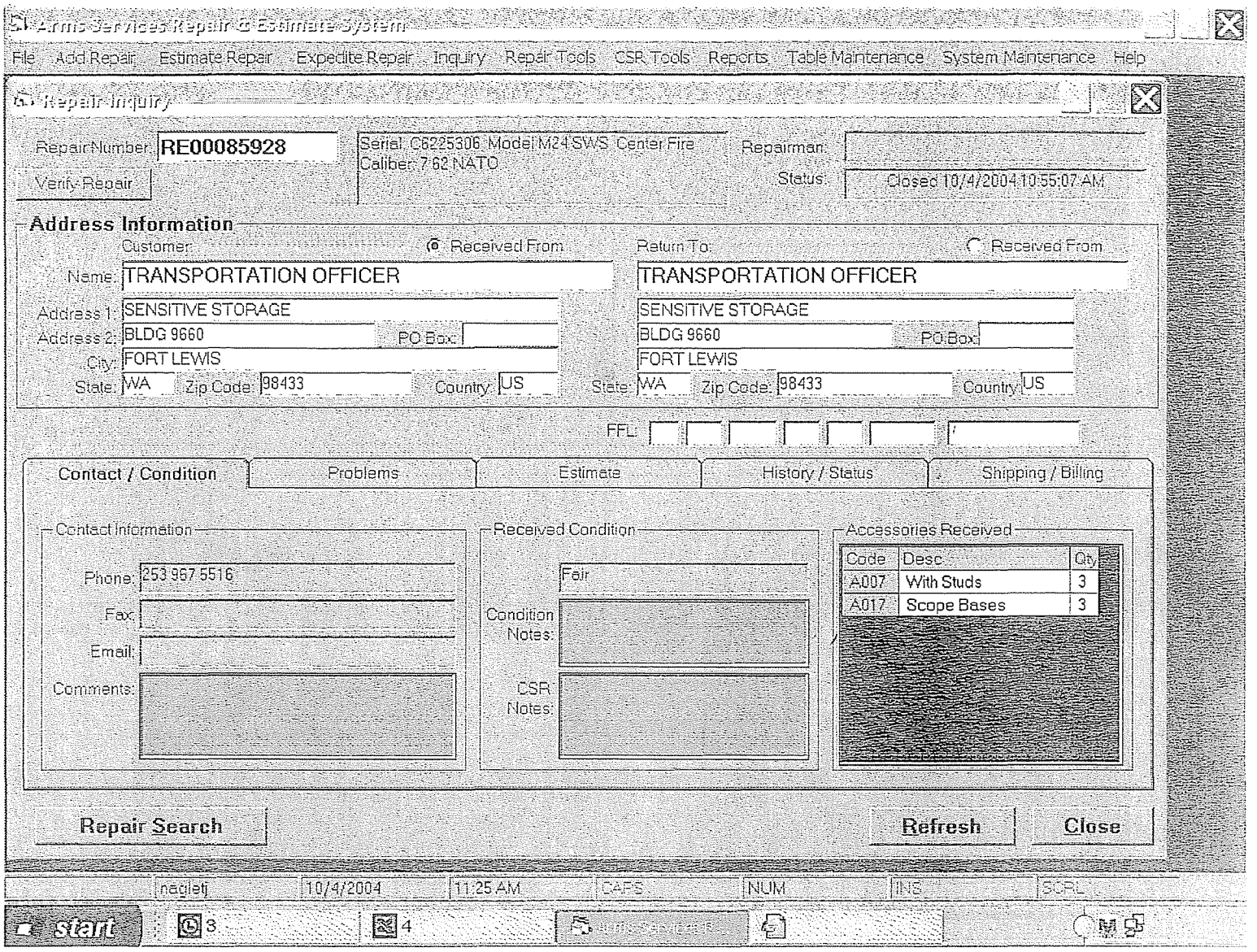
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington®


Arms Services Repair & Estimate System
File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help
Repair Inquiry
Repair Number: RE00085928
Verify Repair
Serial: C6225306 Model: M24 SWS Center Fire
Caliber: 7.62 NATO
Repairman:
Status: Closed 10/4/2004 10:55:07 AM
Address Information
Customer
Received From
Name: TRANSPORTATION OFFICER
Address 1: SENSITIVE STORAGE
Address 2: BLDG 9660
PO Box:
City: FORT LEWIS
State: WA
Zip Code: 98433
Country: US
Return To:
Received From
TRANSPORTATION OFFICER
SENSITIVE STORAGE
BLDG 9660
PO Box:
FORT LEWIS
State: WA
Zip Code: 98433
Country: US
FFL:
Contact / Condition
Problems
Estimate
History / Status
Shipping / Billing
Contact Information
Phone: 253 967 5516
Fax:
Email:
Comments:
Received Condition
Fair
Condition Notes:
CSR Notes:
Accessories Received
Code Desc Qty
A007 With Studs 3
A017 Scope Bases 3
Repair Search
Refresh
Close
naglietj
10/4/2004
11:25 AM
CAPS
NUM
INS
SCRL
start
3
4


Serial Number: C6225306
Model: M24 SWS
RE00085928

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225306.__0
FILE DATE AND TIME: 11/06/2004 05:13

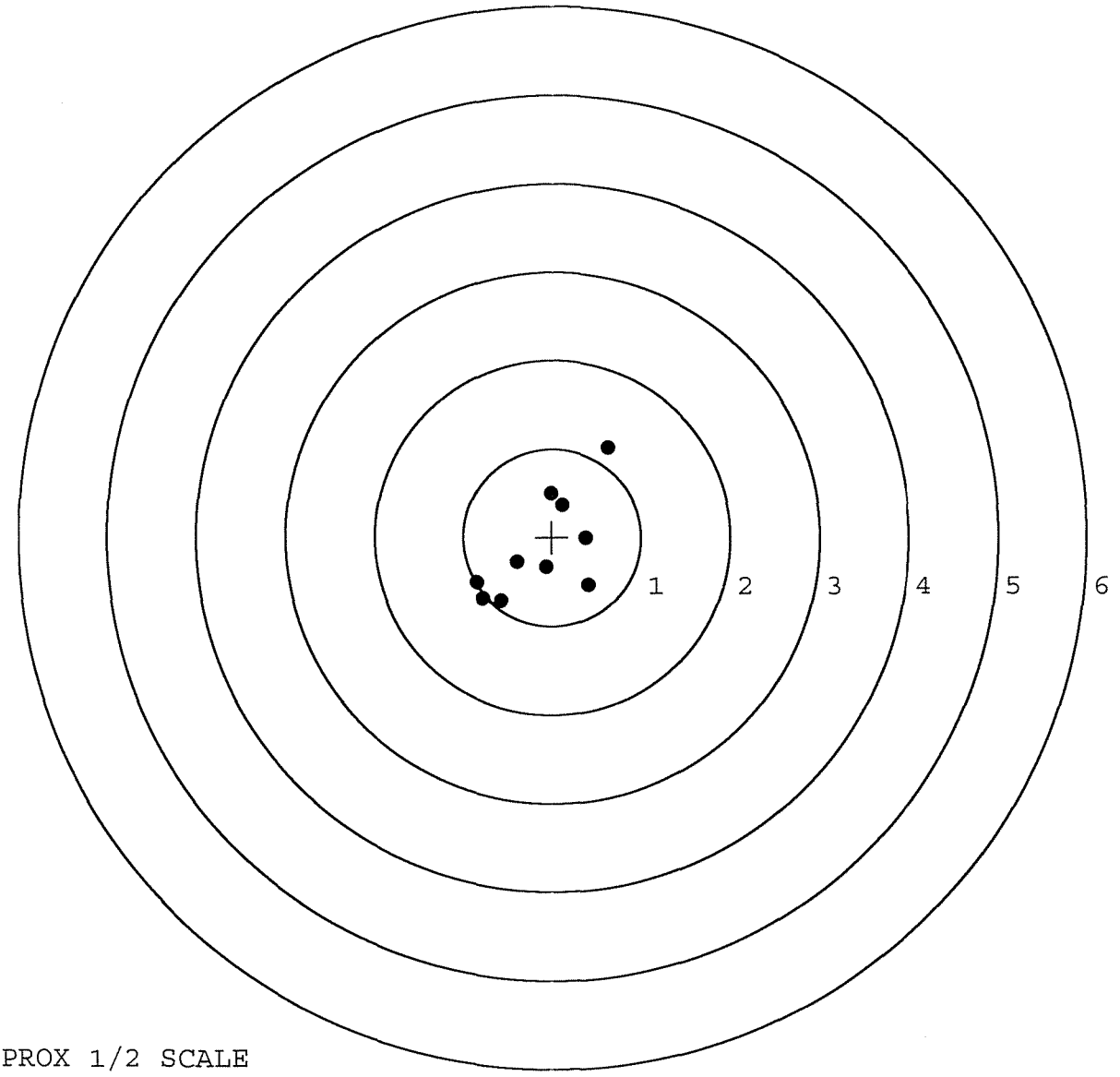
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

| | |
|---|---|
| The Average X Centroid of the Five Target Set: | 0.158 |
| The Average Y Centroid of the Five Target Set: | 0.223 |
| The Average Point of Impact of the Five Target Set: | 0.274 |
| The Average Mean Radius of the Five Target Set: | 0.577 |
| The Distance from POA to Centroid Target #1: | 0.168 |
| The Distance from Centroid Target #2 to Centroid Target #1: | 1.550 |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.374 |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.149 |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.228 |

SERIAL NUMBER: C6225306.__0
TARGET NUMBER: 1
FILE DATE: 11/06/2004
FILE TIME: 05:13

| | |
|---|---|
| X CENTROID: | -0.113 |
| Y CENTROID: | -0.124 |
| POA TO CENTROID: | 0.168 |
| HORZ SPREAD: | 1.483 |
| VERT SPREAD: | 1.735 |
| GROUP SPREAD: | 2.221 |
| MIN RADIUS: | 0.223 |
| MAX RADIUS: | 1.360 |
| MEAN RADIUS: | 0.673 |
| # IN 1 IN DIAMETER: | 2 |
| # IN 2 IN DIAMETER: | 9 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.632 | 1.014 |
| 2: | 0.126 | 0.363 |
| 3: | -0.014 | 0.500 |
| 4: | 0.382 | -0.011 |
| 5: | 0.412 | -0.544 |
| 6: | -0.067 | -0.342 |
| 7: | -0.395 | -0.280 |
| 8: | -0.576 | -0.721 |
| 9: | -0.782 | -0.699 |
| 10: | -0.851 | -0.517 |

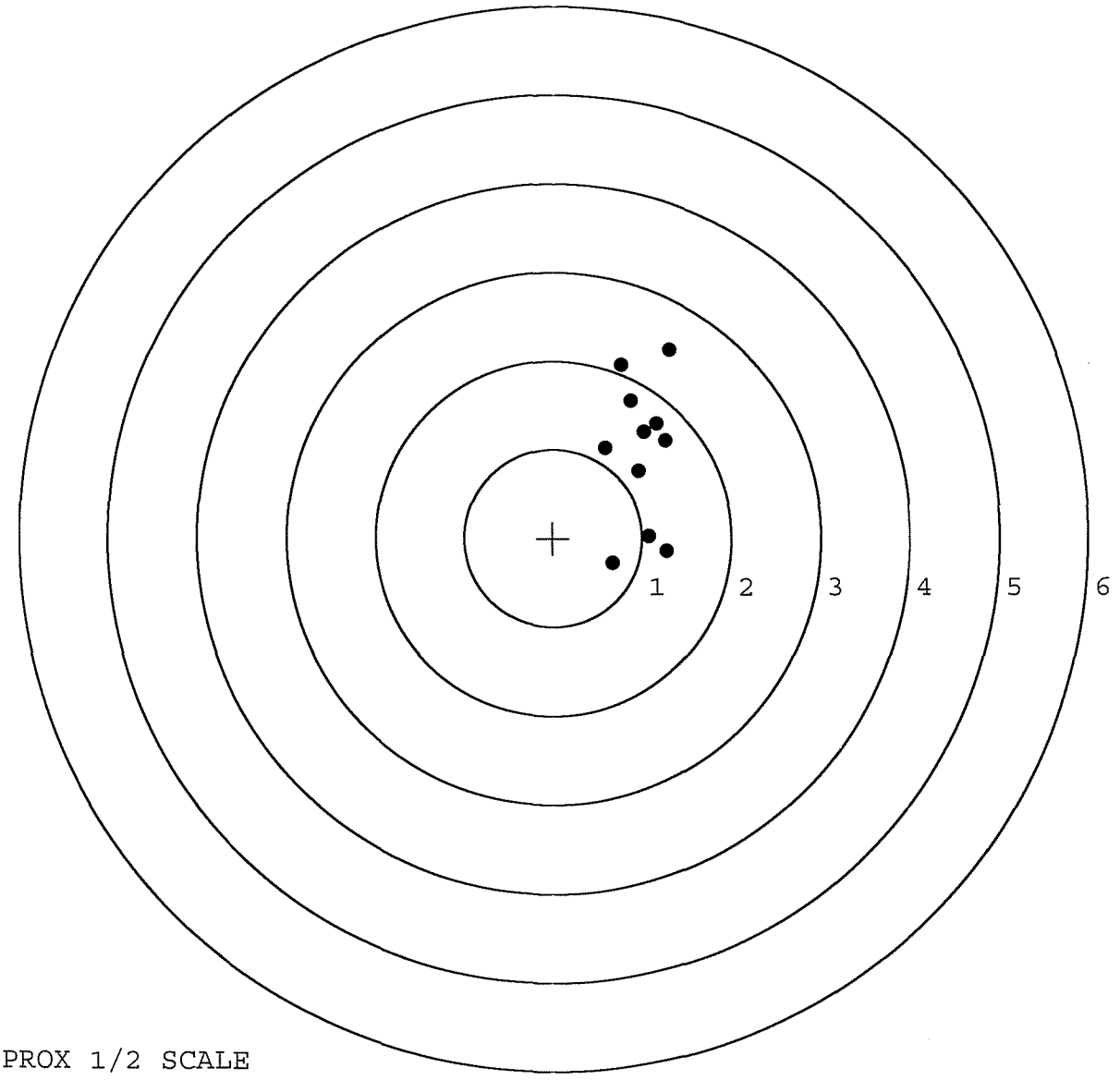



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225306.__0
TARGET NUMBER: 2
FILE DATE: 11/06/2004
FILE TIME: 05:13

| | |
|---|---|
| X CENTROID: | 0.993 |
| Y CENTROID: | 0.961 |
| POA TO CENTROID: | 1.382 |
| HORZ SPREAD: | 0.715 |
| VERT SPREAD: | 2.409 |
| GROUP SPREAD: | 2.490 |
| MIN RADIUS: | 0.209 |
| MAX RADIUS: | 1.288 |
| MEAN RADIUS: | 0.702 |
| # IN 1 IN DIAMETER: | 5 |
| # IN 2 IN DIAMETER: | 7 |
| # in 3 IN DIAMETER: | 11 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.954 | 0.756 |
| 2: | 1.298 | 2.124 |
| 3: | 0.763 | 1.954 |
| 4: | 0.871 | 1.553 |
| 5: | 1.160 | 1.290 |
| 6: | 1.018 | 1.197 |
| 7: | 1.255 | 1.095 |
| 8: | 0.583 | 1.018 |
| 9: | 1.075 | 0.024 |
| 10: | 1.279 | -0.151 |
| 11: | 0.668 | -0.285 |

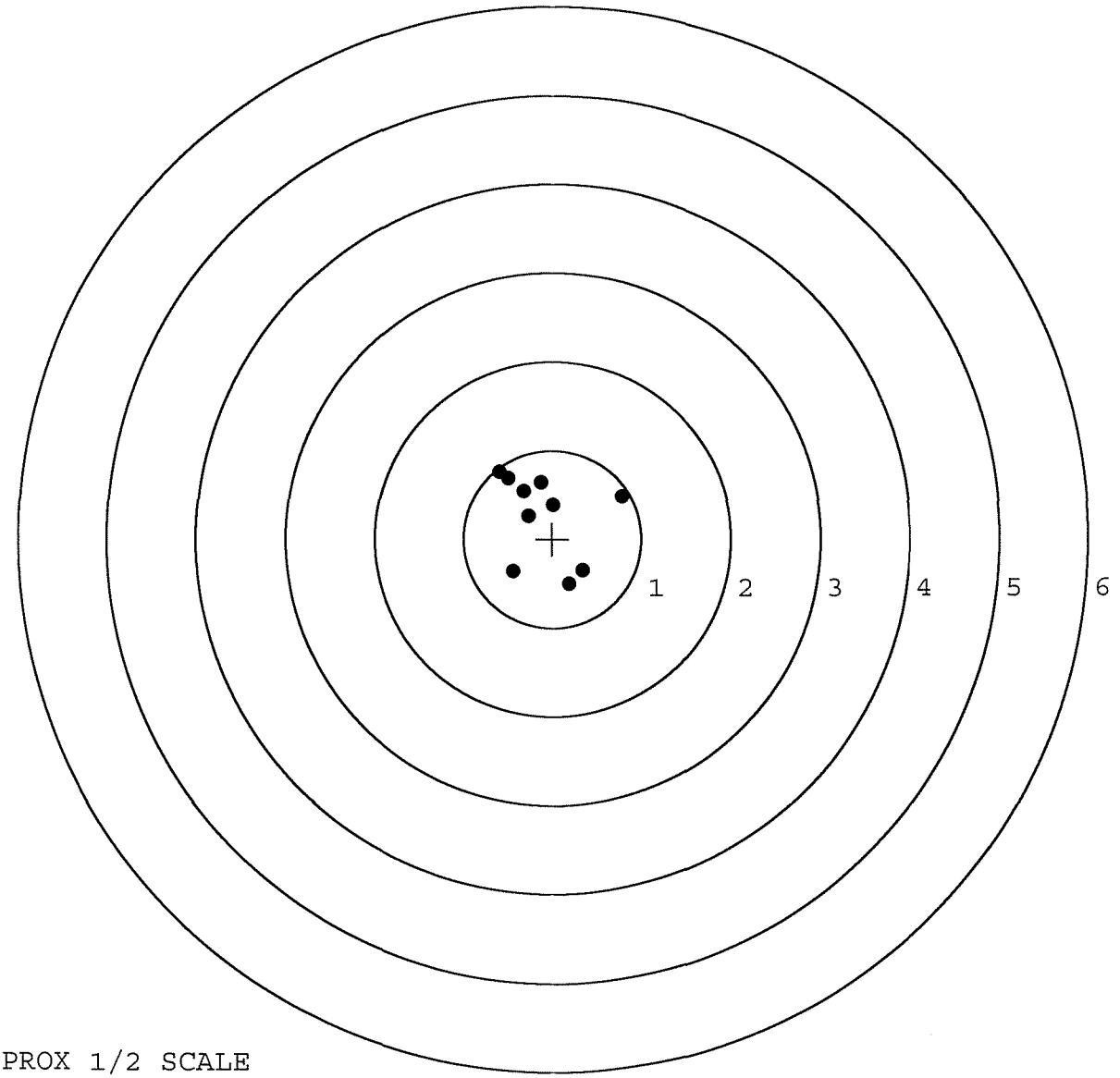



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225306.__0
TARGET NUMBER: 3
FILE DATE: 11/06/2004
FILE TIME: 05:13

| | |
|---|---|
| X CENTROID: | -0.094 |
| Y CENTROID: | 0.250 |
| POA TO CENTROID: | 0.267 |
| HORZ SPREAD: | 1.376 |
| VERT SPREAD: | 1.268 |
| GROUP SPREAD: | 1.492 |
| MIN RADIUS: | 0.172 |
| MAX RADIUS: | 0.906 |
| MEAN RADIUS: | 0.559 |
| # IN 1 IN DIAMETER: | 4 |
| # IN 2 IN DIAMETER: | 10 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.782 | 0.480 |
| 2: | 0.343 | -0.354 |
| 3: | 0.189 | -0.513 |
| 4: | -0.443 | -0.372 |
| 5: | 0.013 | 0.385 |
| 6: | -0.267 | 0.259 |
| 7: | -0.139 | 0.636 |
| 8: | -0.327 | 0.539 |
| 9: | -0.496 | 0.685 |
| 10: | -0.594 | 0.755 |

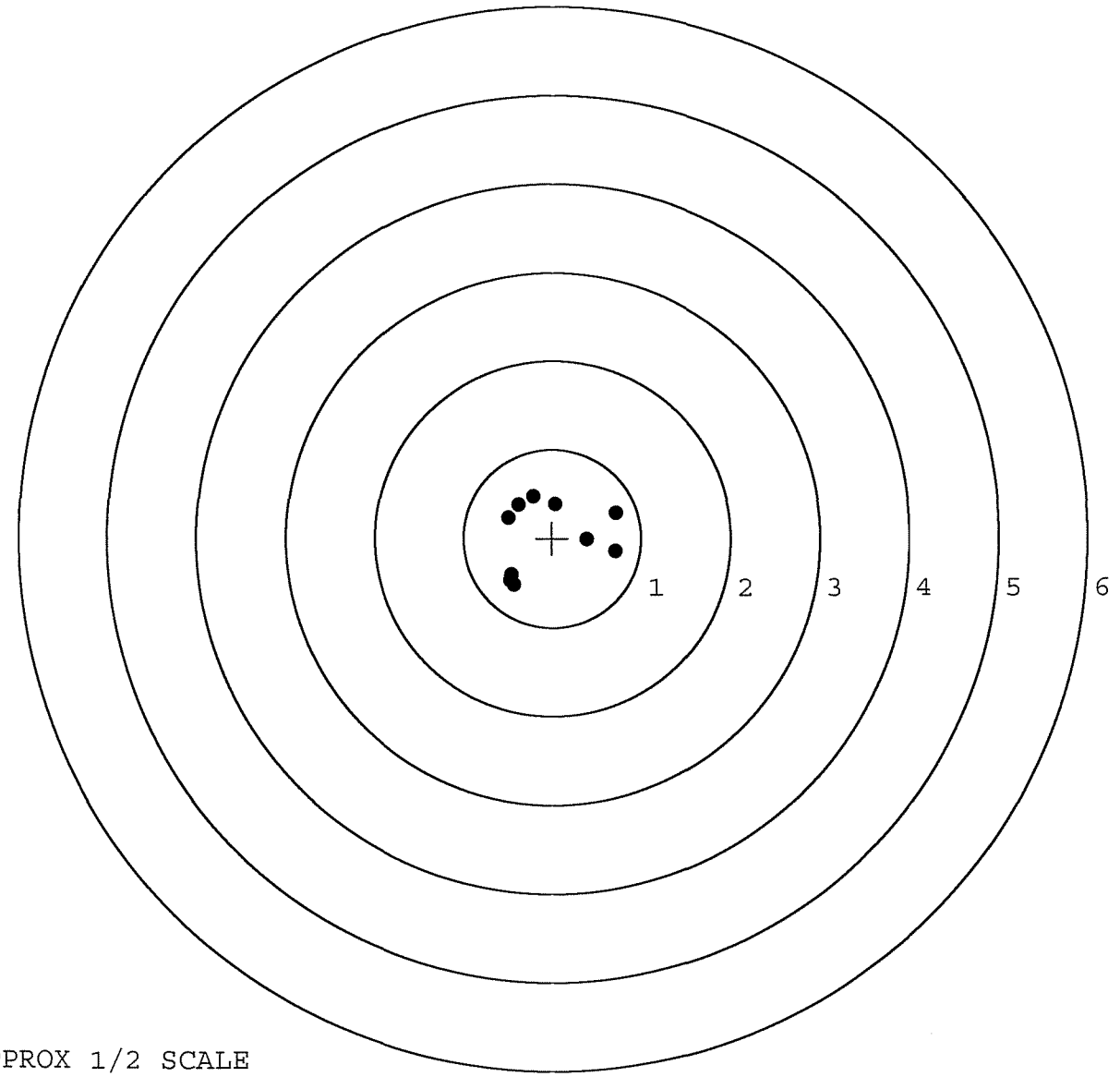



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225306.__0
TARGET NUMBER: 4
FILE DATE: 11/06/2004
FILE TIME: 05:13

| | |
|---|---|
| X CENTROID: | -0.062 |
| Y CENTROID: | 0.016 |
| POA TO CENTROID: | 0.064 |
| HORZ SPREAD: | 1.214 |
| VERT SPREAD: | 0.993 |
| GROUP SPREAD: | 1.417 |
| MIN RADIUS: | 0.379 |
| MAX RADIUS: | 0.825 |
| MEAN RADIUS: | 0.578 |
| # IN 1 IN DIAMETER: | 5 |
| # IN 2 IN DIAMETER: | 10 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | 0.039 | 0.381 |
| 2: | -0.225 | 0.472 |
| 3: | -0.386 | 0.374 |
| 4: | -0.496 | 0.227 |
| 5: | -0.475 | -0.480 |
| 6: | 0.391 | -0.014 |
| 7: | 0.710 | -0.147 |
| 8: | 0.718 | 0.284 |
| 9: | -0.463 | -0.413 |
| 10: | -0.436 | -0.521 |

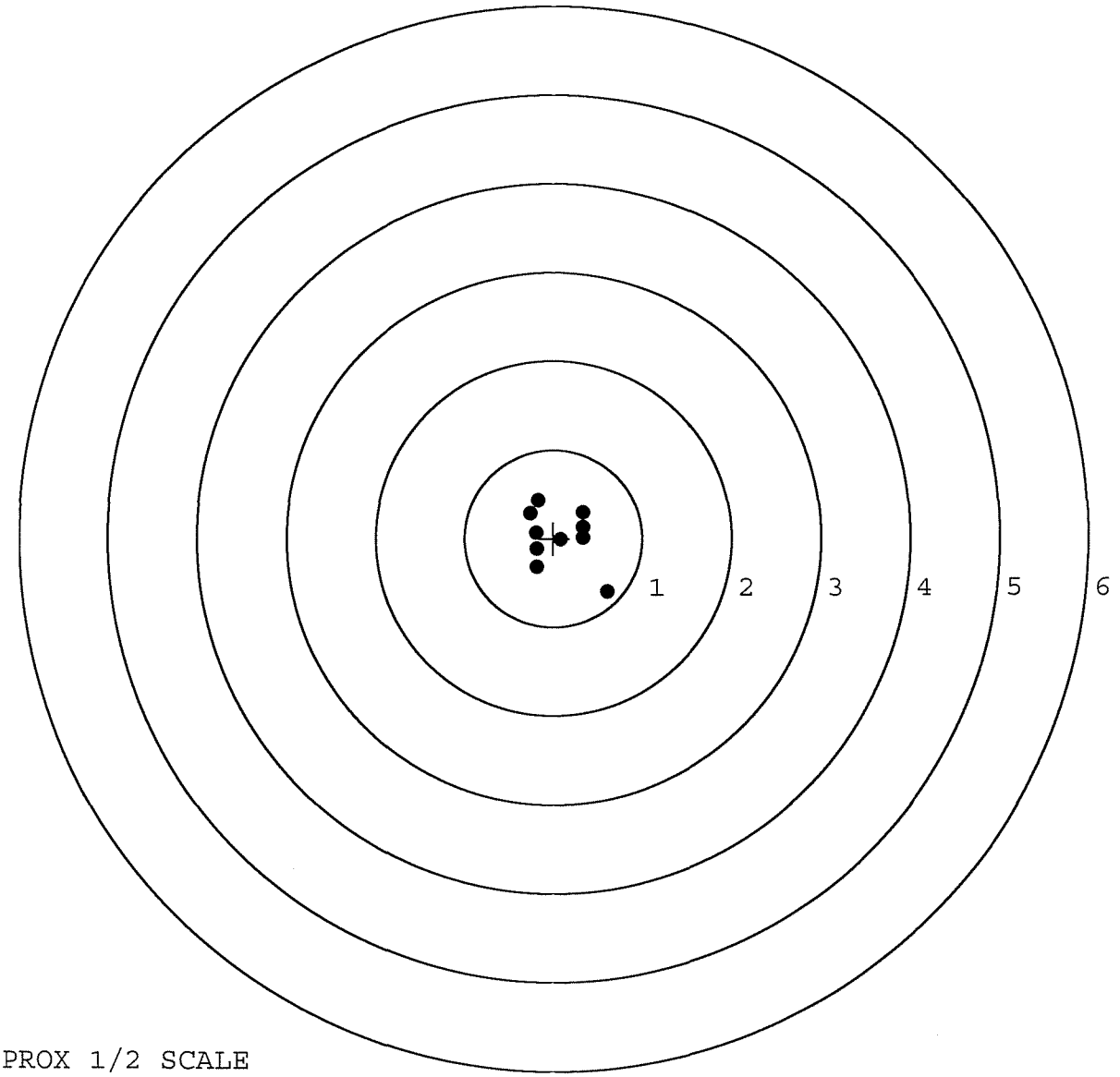



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225306.__0
TARGET NUMBER: 5
FILE DATE: 11/06/2004
FILE TIME: 05:13

| | |
|---|---|
| X CENTROID: | 0.068 |
| Y CENTROID: | 0.013 |
| POA TO CENTROID: | 0.070 |
| HORZ SPREAD: | 0.869 |
| VERT SPREAD: | 1.033 |
| GROUP SPREAD: | 1.296 |
| MIN RADIUS: | 0.033 |
| MAX RADIUS: | 0.820 |
| MEAN RADIUS: | 0.370 |
| # IN 1 IN DIAMETER: | 9 |
| # IN 2 IN DIAMETER: | 10 |
| # in 3 IN DIAMETER: | 10 |

| POINT# | X | Y |
|---|---|---|
| 1: | -0.175 | 0.428 |
| 2: | -0.261 | 0.280 |
| 3: | -0.196 | 0.065 |
| 4: | -0.190 | -0.126 |
| 5: | -0.192 | -0.332 |
| 6: | 0.081 | -0.017 |
| 7: | 0.336 | 0.012 |
| 8: | 0.336 | 0.130 |
| 9: | 0.338 | 0.296 |
| 10: | 0.608 | -0.605 |




TARGET APPROX 1/2 SCALE

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

| R & E NUMBER | 85928 | | |
|---|---|---|---|
| SERIAL NUMBER | C622 5306 | | |
| LOG-IN DATE | 10-4-04 | | |
| INSPECT AND VERIFY: | | | |
| OPERATION # | OPERATION NAME | DATE | INITIAL |
| 550 | DIS-ASSEMBLE GUN | 10-13-04 | RTC |
| 560 A | RE-BARREL | 10-14-04 | RR |
| B | DRILL AND TAP | 10-19-04 | TRW |
| 575 | ASSEMBLE | 10-15-04 | RTC |
| 600 | PROOF | 10-18-04 | RTC |
| 605 | CHECK HEADSPACE | 10-18-04 | RTC |
| 610 | DIS-ASSEMBLE GUN | 10-19-04 | RTC |
| 612 | MAGNAFLUX | | |
| 615 | ROLLMARK CALIBER | 10/20/04 | JB |
| 618 | ROTO-BLAST | 10-22-04 | LB |
| 620 | APPLY COATINGS | 10/26/04 | HP |
| 625 A | FINAL ASSEMBLY | | |
| B | TRIGGER PULL TEST | | |
| C | SAFETY "ON" FORCE | | |
| D | SAFETY "OFF" FORCE | | |
| E | FIRING PIN INDENT | | |
| 640 | TARGET | 11-6-04 | RTC |
| 655 | FINAL INSPECT | 11-8-04 | RTC |
| 660 | PACK | 11-8-04 | QA |
| | | | |
| | | | |
| | | | |
| | | | |
| | | SHIP DATE | |
| | | | |
| | QAR INSPECTION DATE | | |

1275

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225306

| OP.# | OP. NAME | READINGS | DATE | INITIAL |
|---|---|---|---|---|
| 575 & 580 | Assemble Action and stock | | 8 9/88 | FB |
| 600 | Proof | 9 | 7/88 | RW |
| 607 | Check Headspace | 9 | 7/88 | RW |
| 610 | Dis-assemble gun | 9 | 7/88 | RW |
| 612 | Magnaflux Barrel Action | | 9-14-88 | pjc. |
| | Magnaflux Bolt | | 9-14-88 | pjc. |
| 615 | Rollmark Caliber | | | |
| 617 | Drill & Tap Sight Holes | | | |
| 618 | Polish Barrel | | | |
| 620 | Apply Coatings (Barrel Action) | | 10-31-88 | TJA |
| | Apply Coatings (Bolt) | | 1031-88 | TJA |
| 625 | Final Assembly A)Clean inside of Bolt Assembly | | 11/9/88 | RW |
| | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head | | 11/9/88 | RW |
| | C) Inspect Ejector Hole for Chamfer | | 11/9/88 | RW |

OVER

| OP.# | | READINGS | DATE | INITIAL |
|---|---|---|---|---|
| 625 cont. | D) Oil Firing Pin Ass'y | | 11/9/88 | RW |
| | E) Adjust Trigger Pull to Min. Setting and Stake | | 9 NOV 88 | JH |
| | F) Safety on Force | 5 \| 5 \| 5 | 11 NOV 88 | JSL |
| | G) Safety off Force | 3 \| 3 \| 3 | 11 NOV 88 | JSL |
| | H) Trigger Pull Test & Retainabilty | | 9 NOV 88 | JH |
| | I) Firing Pin Indent | .0205 \| .0205 \| .0205 | 11 NOV 88 | JSL |
| | J) Assemble Stock | | 11/15/88 | RW |
| | K) Assemble Swivel Studs | | 30 NOV 88 | JSL |
| | L) Attach Front & Rear Sight Assemblies | | 11/15/88 | RW |
| | M) Iron Sight Alignment | | 11/15/88 | RW |
| | N) Detach Front & Rear Sights & place in numbered container | | 11/15/88 | RW |
| | 0) Attach Scope to Rifle | | 11/16/88 | WB |
| | P) Detach & Attach Scope 20 times | | 11/16/88 | WB |
| 640 | Gallery Target & Test | 53 R 100 L | 11/16/88 | DH |
| | A) Optical Clearity of Scope | | 11/16/88 | DH |
| 645 | Inspect for Live Ammo | | 11/16/88 | DH |
| 655 | Final Inspection A) Headspace | | 30 NOV 88 | JSL |
| | B) Trigger Pull | | 30 NOV 88 | JSL |
| | C) Function | | 30 NOV 88 | JSL |
| 660 | Pack | | 14 Dec 88 | JSL. |

# SWS TRIGGER PULL TEST

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

SERIAL NO. C62255306

DATE 11-9-88

TESTER J.Z.

| | 2.50# INITIAL | 2.50# AFTER 50 CYCLES | FINAL TEST & TO RESET 2.50# | | COMMENTS |
|---|---|---|---|---|---|
| PULL #1 | 2.46 | 2.42 | 2.45 | 2.71 | MIN. SETTING, |
| PULL #2 | 2.44 | 2.33 | 2.41 | 2.68 | NO AVG. OF 5 |
| PULL #3 | 2.39 | 2.30 | 2.42 | 2.36 | READINGS ACCEPT- |
| PULL #4 | 2.44 | 2.24 | 2.42 | 2.68 | ABLE LESS THAN 2# |
| PULL #5 | 2.42 | 2.36 | 2.50 | 2.60 | |
| TOTAL | 12.15 | 11.65 | 12.20 | 12.97 | |
| AVG. | 2.43 | 2.33 | 2.44 | 2.594 | |

| | 3.00# INITIAL | 3.00# AFTER 20 CYCLES | | COMMENTS |
|---|---|---|---|---|
| PULL #1 | 3.15 | 3.15 | | |
| PULL #2 | 3.11 | 3.22 | | |
| PULL #3 | 3.18 | 3.16 | | |
| PULL #4 | 3.15 | 3.12 | | |
| PULL #5 | 3.18 | 3.22 | | |
| TOTAL | 15.77 | 15.87 | | |
| AVG. | 3.154 | 3.174 | | |

| | 4.00# INITIAL | 4.00# AFTER 20 CYCLES | MAX SETTING GREATER THAN 4# | RESET TO 4# FOR TARGET & ACCURACY |
|---|---|---|---|---|
| PULL #1 | 4.21 | 4.10 | | 4.13 |
| PULL #2 | 4.07 | 4.13 | | 4.12 |
| PULL #3 | 4.19 | 4.13 | | 4.15 |
| PULL #4 | 4.13 | 4.13 | | 4.20 |
| PULL #5 | 4.15 | 4.17 | | 4.14 |
| TOTAL | 20.75 | 20.66 | | 20.74 |
| AVG. | 4.15 | 4.132 | | 4.148 |

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225306

## CENTROIDAL DISTANCES

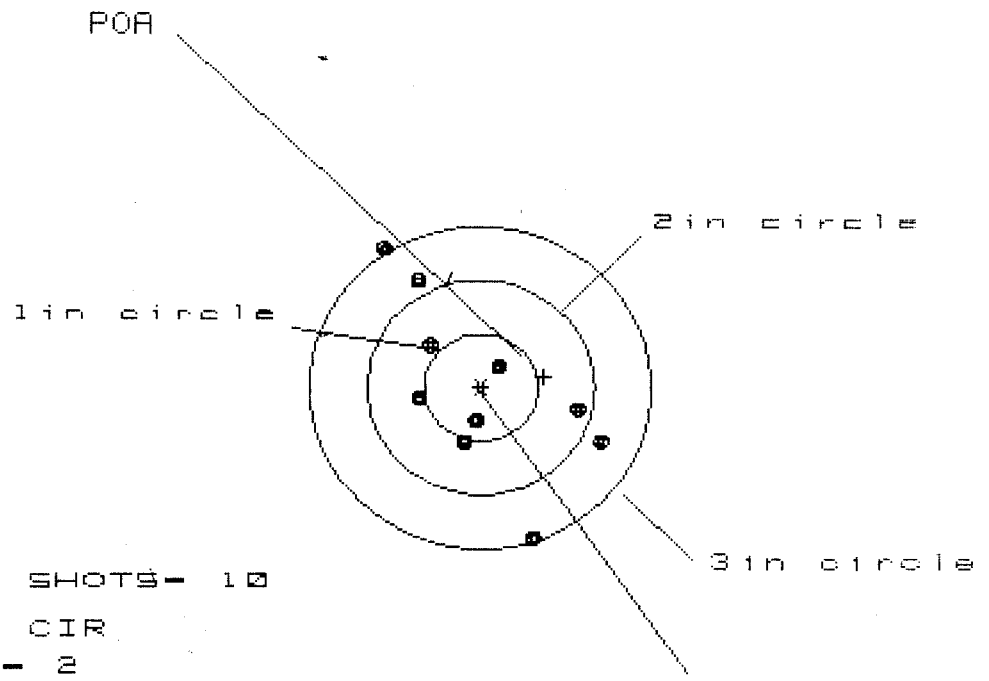
| | | | |
|---|---|---|---|
| Ø | TO | 1 | .563761 |
| 1 | TO | 2 | .747916 |
| 1 | TO | 3 | .661007 |
| 1 | TO | 4 | .438846 |
| 1 | TO | 5 | .697672 |


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0594
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0162
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0615695

THE AMR FOR THIS RIFLE IS: .909

17 Nov 1988 FILE:/PATTERNING/CENTERFIRE_PATT/C6225306

# CENTERFIRE PATTERNS # 1




# OF SHOTS= 10

| # IN CIR | |
|---|---|
| 1in | = 2 |
| 2in | = 6 |
| 3in | = 9 |

HS= 1.937
VS= 2.715
GS= 3.040

| PATTERN # | : | 1 | | |
|---|---|---|---|---|
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.048 | .949 | .996 |
| MINIMUM X | : | -.889 | -.613 | -.566 |
| MAXIMUM Y | : | 1.319 | 1.101 | .945 |
| MINIMUM Y | : | -1.396 | -1.250 | -.513 |
| CENTROID X | : | -.555 | -.456 | -.503 |
| CENTROID Y | : | -.099 | -.245 | -.089 |
| POA TO CENTROID in. | : | .564 | .518 | .511 |
| MIN RADIUS | : | .257 | .147 | .248 |
| MEAN RADIUS | : | .843 | .750 | .672 |
| MAX RADIUS | : | 1.591 | 1.306 | 1.121 |
| HORIZONTAL SPREAD | : | 1.937 | 1.562 | 1.562 |
| VERTICAL SPREAD | : | 2.715 | 2.351 | 1.458 |
| EXTREME SPREAD | : | 3.040 | 2.546 | 2.126 |

| | | |
|---|---|---|
| NUMBER IN ONE INCH CIRCLE | = | 2 |
| NUMBER IN TWO INCH CIRCLE | = | 6 |
| NUMBER IN THREE INCH CIRCLE | = | 9 |

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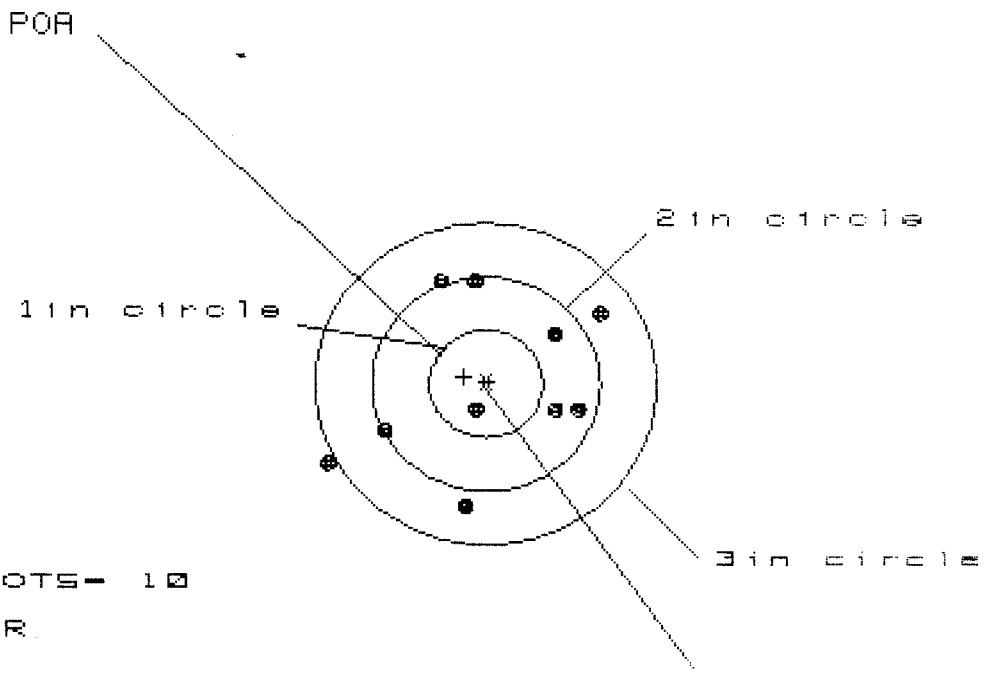
# CENTERFIRE PATTERNS # 2




# OF SHOTS= 10

# IN CIR
1in = 1
2in = 5
3in = 9

HS= 2.337
VS= 2.078
GS= 2.715

| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 2 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | .973 | .822 | .782 |
| MINIMUM X | : | -1.364 | -1.069 | -.966 |
| MAXIMUM Y | : | .957 | .875 | .946 |
| MINIMUM Y | : | -1.121 | -1.203 | -1.132 |
| CENTROID X | : | .192 | .343 | .240 |
| CENTROID Y | : | -.062 | .020 | -.051 |
| POA TO CENTROID in. | : | .201 | .344 | .246 |
| MIN RADIUS | : | .256 | .407 | .289 |
| MEAN RADIUS | : | .944 | .857 | .837 |
| MAX RADIUS | : | 1.548 | 1.256 | 1.161 |
| HORIZONTAL SPREAD | : | 2.337 | 1.891 | 1.749 |
| VERTICAL SPREAD | : | 2.078 | 2.078 | 2.078 |
| EXTREME SPREAD | : | 2.715 | 2.173 | 2.088 |
| NUMBER IN ONE INCH CIRCLE | = | | 1 | |
| NUMBER IN TWO INCH CIRCLE | = | | 5 | |
| NUMBER IN THREE INCH CIRCLE | = | | 9 | |

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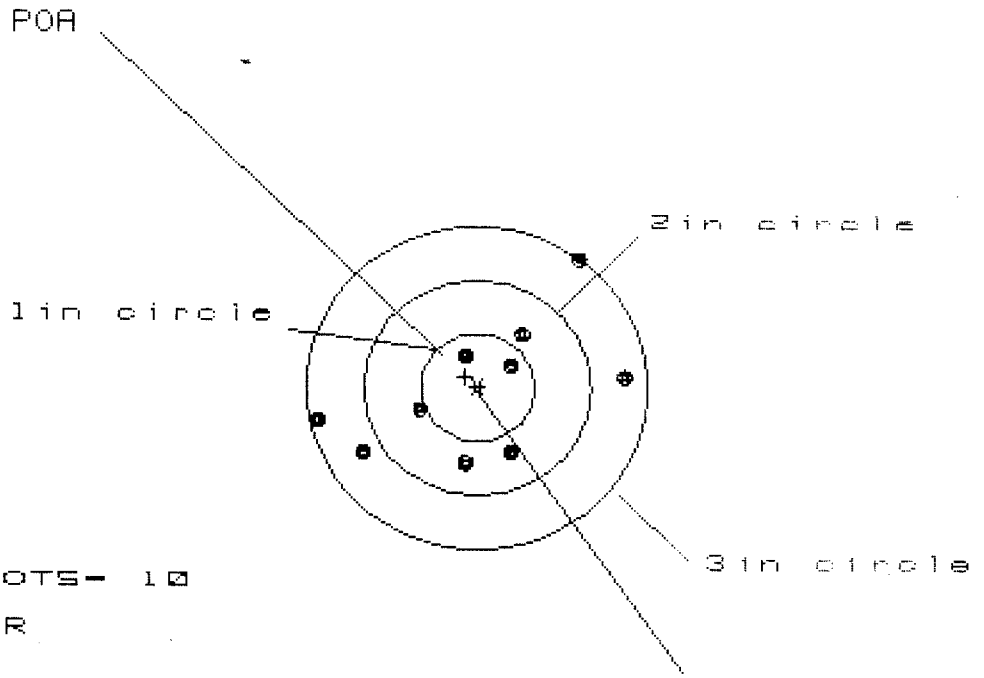
# CENTERFIRE PATTERNS # 3




# OF SHOTS= 10

| # IN CIR | |
|---|---|
| 1in | = 2 |
| 2in | = 6 |
| 3in | = 10 |

HS= 2.675
VS= 1.881
GS= 2.708

| PATTERN # | : | 3 | | |
|---|---|---|---|---|
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.269 | 1.365 | 1.202 |
| MINIMUM X | : | -1.406 | -1.310 | -1.084 |
| MAXIMUM Y | : | 1.219 | .637 | .623 |
| MINIMUM Y | : | -.662 | -.527 | -.541 |
| CENTROID X | : | .106 | .010 | .173 |
| CENTROID Y | : | -.102 | -.237 | -.223 |
| POA TO CENTROID in. | : | .147 | .237 | .282 |
| MIN RADIUS | : | .333 | .455 | .382 |
| MEAN RADIUS | : | .861 | .787 | .708 |
| MAX RADIUS | : | 1.497 | 1.380 | 1.216 |
| HORIZONTAL SPREAD | : | 2.675 | 2.675 | 2.286 |
| VERTICAL SPREAD | : | 1.881 | 1.164 | 1.164 |
| EXTREME SPREAD | : | 2.708 | 2.693 | 2.379 |
| NUMBER IN ONE INCH CIRCLE | = | | 2 | |
| NUMBER IN TWO INCH CIRCLE | = | | 6 | |
| NUMBER IN THREE INCH CIRCLE | = | | 10 | |

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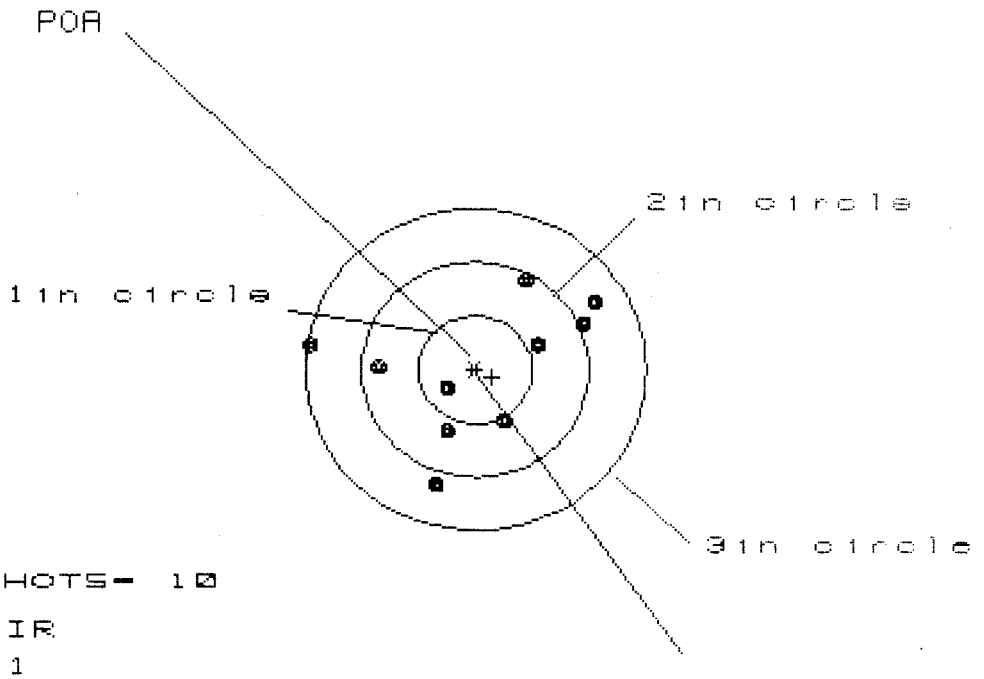
# CENTERFIRE PATTERNS # 4




# OF SHOTS= 10

# IN CIR
1 in = 1
2 in = 6
3 in = 10

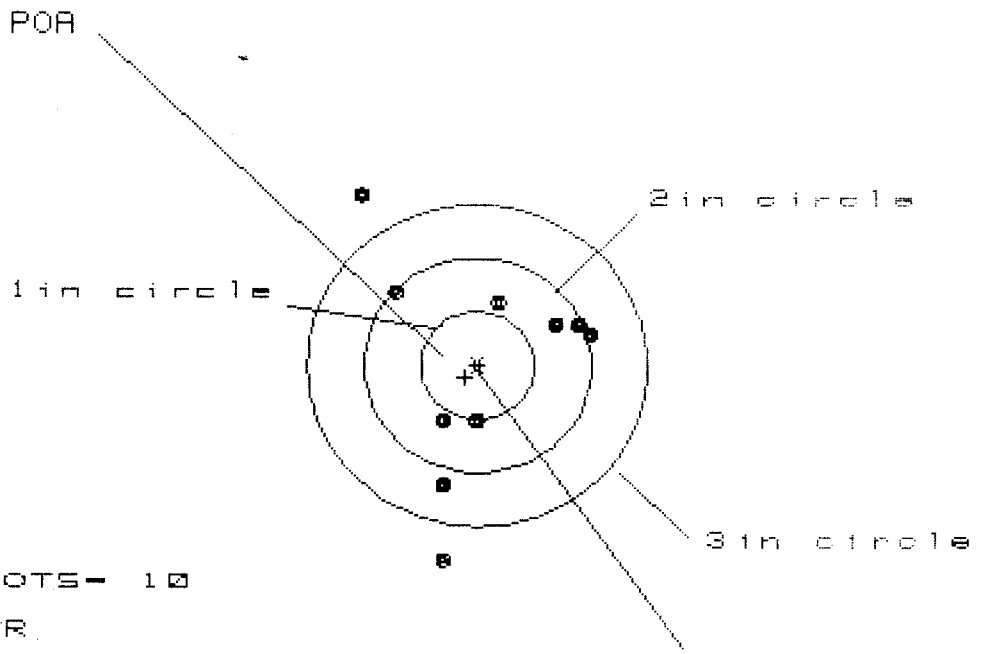
HS= 2.460
VS= 1.933
GS= 2.502

| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 4 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.025 | .865 | .872 |
| MINIMUM X | : | -1.435 | -1.041 | -.933 |
| MAXIMUM Y | : | .844 | .867 | .952 |
| MINIMUM Y | : | -1.089 | -1.066 | -.981 |
| CENTROID X | : | -.150 | .010 | -.098 |
| CENTROID Y | : | .070 | .047 | -.038 |
| POA TO CENTROID in. | : | .165 | .048 | .105 |
| MIN RADIUS | : | .339 | .427 | .341 |
| MEAN RADIUS | : | .874 | .797 | .743 |
| MAX RADIUS | : | 1.449 | 1.171 | 1.051 |
| HORIZONTAL SPREAD | : | 2.460 | 1.906 | 1.805 |
| VERTICAL SPREAD | : | 1.933 | 1.933 | 1.933 |
| EXTREME SPREAD | : | 2.502 | 2.209 | 2.083 |

NUMBER IN ONE INCH CIRCLE = 1
NUMBER IN TWO INCH CIRCLE = 6
NUMBER IN THREE INCH CIRCLE = 10

17 Nov 1988 FILE:/PATTERNING/CENTERFIRE_PATT/C6225306

CENTERFIRE PATTERNS # 5




# OF SHOTS= 10

# IN CIR
1in = 1
2in = 6
3in = 8

HS= 1.969
VS= 3.422
GS= 3.485

| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 5 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | .969 | .858 | .802 |
| MINIMUM X | : | -1.000 | -.773 | -.829 |
| MAXIMUM Y | : | 1.630 | .859 | .658 |
| MINIMUM Y | : | -1.792 | -1.611 | -1.157 |
| CENTROID X | : | .110 | .221 | .277 |
| CENTROID Y | : | .112 | -.069 | .132 |
| POA TO CENTROID in. | : | .157 | .231 | .307 |
| MIN RADIUS | : | .475 | .332 | .538 |
| MEAN RADIUS | : | 1.023 | .908 | .792 |
| MAX RADIUS | : | 1.912 | 1.673 | 1.253 |
| HORIZONTAL SPREAD | : | 1.969 | 1.631 | 1.631 |
| VERTICAL SPREAD | : | 3.422 | 2.470 | 1.815 |
| EXTREME SPREAD | : | 3.485 | 2.491 | 1.924 |
| NUMBER IN ONE INCH CIRCLE | = | | 1 | |
| NUMBER IN TWO INCH CIRCLE | = | | 6 | |
| NUMBER IN THREE INCH CIRCLE | = | | 8 | |

# RECEIVING AND ESTIMATING REPORT

M-24 SNIPER

R 94-24904

| INITIAL | CUSTOMER ORDER NO. |
|---|---|
| JJM | |

| DATE RECEIVED | DATE OPENED | DATE CODE | SERIAL NUMBER | NEW SERIAL NUMBER | MODEL AND GRADE |
|---|---|---|---|---|---|
| 08/29/94 | 08/30/94 | DI 9-88 | CC6225306 | | 700 7.62 NATO |

ACCESSORIES: SCOPE MNTS SCOPE BASE

FROM:

DEPT OF THE ARMY
B CO ARMS
2/75 RANGER BATTALION
FT LEWIS WA 98433

SHIP TO:

DEPT OF THE ARMY
B CO ARMS
2/75 RANGER BATTALION
FT LEWIS WA 98433

CUST NO: 062072 C.O.D.

| ACCOUNT NUMBER | ACCOUNT NUMBER N/C | WRITE ☐ | PROM. DATE | ESTIMATED | VIA |
|---|---|---|---|---|---|
| | | | | | UPS |

GUN CONDITION

- ☐ NEW
- ☐ LIGHTLY WORN
- ☐ WORN
- ☐ VERY WORN
- ☐ UNREPAIRABLE
- ☐ MARRED

| | |
|---|---|
| REPAIR CHARGE | |
| EXCISE | |
| TAX | |
| INSURANCE | |
| UPS | |
| PARCEL POST | |
| **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: New Barrel

PARTS

Barrel 96003
Mag Spring 15677

COMMENTS

Repowder Coat Trigger Guard Assy Front & Rear Sight Base Reticle Scope Base, Rings, & Swivel Studs

| REPAIRMAN | PROOF | CLEAN | TEST | TARGET | PATTERN |
|---|---|---|---|---|---|
| RW | ✓ | ✓ | ✓ | 2 | |
| **GALLERY TESTER** | **DATE** | **DATE** | **DATE** | **DATE** | **DATE** |
| RW | 9/6/94 | 9/12/94 | 9/12/94 | 9/12/94 | |

OFFICE COPY

RD6925 REV. 1/94

| PACKING LIST | PACKED BY<br>Mr. Ray Fuller<br>WG-10 Bn. Armorer. | 1. NO. BOXES<br>1 | 2a. REQUISITION NO.<br>94239<br>2b. ORDER NO. |
|---|---|---|---|

3. END ITEM: 7.62mm M24 Sniper Weapons System (SWS)

4. DATE: 26 July 1994

5. PAGE 1 OF 1 PAGES

| BOX NO. (a) | CONTENTS - STOCK NUMBER AND NOMENCLATURE (b) | UNIT OF ISSUE (c) | QUANTITIES REQUIRED: INITIAL OPERATION (d) | QUANTITIES REQUIRED: RUNNING SPARES (e) | QUANTITIES REQUIRED: TOTAL (f) |
|---|---|---|---|---|---|
| | 7.62mm M24 Sniper Weapon System (SWS) Serial No. C6225306 | Ea | | | 1 |
| | NSN: 1005-01-240-2136 | | | | |

REGISTERED MAIL
R 768 625 193

Note: All Optic Scope Ring Mounts Packed

6. THIS CERTIFIES THAT ITEMS LISTED HEREON ARE WITHIN THE SPECIFIED BOXES

| TYPED NAME AND TITLE | SIGNATURE |
|---|---|
| Ray Fuller WG-10 Bn Armorer | Ray Fuller |

DD FORM 1 SEP 70 1750

# MAINTENANCE REQUEST

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

| PAGE NO. | NO OF PAGES | REQUIREMENTS CONTROL SYMBOL |
|---|---|---|
| 1 | | CSGLD - 1047(R1) |

## SECTION I - EQUIPMENT DATA

| CONTROL NUMBER | WORK ORDER NO. | WESDC | ORG. PD | PD AUTHENTICATION |
|---|---|---|---|---|
| | 94239 | | 02 | CPT, IN |

- [X] Work Request
- [ ] MWO
- [ ] Warranty Claim

| 1A. ORGANIZATION | B. LOCATION | C. UNIT IDENT CODE |
|---|---|---|
| Bn Arms HHC 2/75 RGR Rgt. | Fort Lewis Wa | WH3MAA |

| 2. SERIAL NO. | 3. NOUN NOMENCLATURE | 4. LINE NO. | 5. MODEL | 6. NATIONAL STOCK NUMBER |
|---|---|---|---|---|
| C6225306 | M24 SWS | | M24 | 1005-01-240-2136 |

| 7A. MAINTENANCE ACTIVITY | B. LEVEL | 8. UTILIZATION CODE | 9A. MCSR ITEM | 9B. ERC | 9C. PACING ITEM | 10. HOURS | 11. MILES | 12. ROUNDS | 13. STARTS |
|---|---|---|---|---|---|---|---|---|---|
| Remington Arms Co. Custom Shop | | | | | | | | | |

14. FAILURE DETECTED DURING *(Select one - use ✓ or X)*

- [ ] A Sch. Main.
- [ ] B Handling
- [X] C Test
- [ ] D Normal Op
- [ ] E Storage
- [ ] F Inspection
- [ ] G Flight
- [ ] H Other

15. FIRST INDICATION OF TROUBLE *(Select one - use ✓ or X)*

- [ ] 068 Inoperative
- [ ] 008 Noisy
- [ ] 258 Overheating
- [ ] 387 Low Performance
- [ ] 790 Out of Adjustment
- [X] Other

16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM *(Do not prescribe repairs).*

This weapon has fired over 10,000 Rds. During Bench Rest Test Fire at 200/300 Yds, groups were shot exceeding the criteria of 2.6" at 200 & 3.8" at 300 Yds (5-10 shot Groups). This criteria was provided to us by Mr Jim Gleason ARDEC DSN 880-7071

B. REMARKS

Request Re Barreling and complete Weapon Reconditioning.

## SECTION II - WORK ACCOMPLISHED

| 17A. REPAIR ORGANIZATION/ACTIVITY | C. UNIT IDENT. CODE | 18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK *(Select one - use ✓ or X)* | 19. AMS ACCT. CODE |
|---|---|---|---|
| B. LOCATION | | [ ] 1 TOE [ ] 2 TD [ ] 3 Contractor | |

| 20A. ACT. CODE | B. FAILURE CODE | C. COMPONENT/PART NOUN, SVC, OR MWO NO. (1) CB CODE | (2) REF DESIGN. | (3) MFR. CODE | D. MANHOURS (Hrs. & tenths) | E. NATIONAL STOCK NUMBER | F. PART SOURCE CODE | G. QTY. | H. PARTS COST |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | . | | | | $ |
| | | | | | . | | | | $ |
| | | | | | . | | | | $ |
| | | | | | . | | | | $ |
| | | | | | . | | | | $ |
| | | | | | . | | | | $ |
| | | | | | . | | | | $ |
| | | | | | . | | | | $ |
| | | | | | . | | | | $ |

| I. TOTAL MANHOURS | J. TOTAL MANHOURS COST | K. TOTAL PARTS COST |
|---|---|---|
| | $ | $ |

21. DELAY *(Select One)* [ ] 1 Parts [ ] 2 Manpower [ ] 3 Facilities [ ] 4 Funds [ ] 5 Tools

22. [ ] Data Transcribed

| 23. SUBMITTED BY | 24. RECEIVED BY | 25. WORK STARTED BY | 26. INSPECTED BY | 27. ACCEPTED BY | 28. DISPOSITION *(Select One)* |
|---|---|---|---|---|---|
| Ray Fuller | | | | | [ ] A To User [ ] B To Stock [ ] C Salvaged [ ] D Evacuated [ ] E Cannibalization |
| JULIAN DATE 4235 | JULIAN DATE | JULIAN DATE | JULIAN DATE | JULIAN DATE | |

DA FORM 2407, AUG 88 — EDITION OF MAY 81 MAY BE USED — NMP COPY 2

# Final Inspection

Sn: C6225306 | Date Rec'd: 8/29/94 | Date Ret'd:

Auditor: RW

Item:

Barrel Assy.
- ___ Barrel
- ___ Receiver
- ___ Front Sight Block
- ___ Rear Sight Block
- ___ Screws
- ___ Finish

Scope Assy.
- ___ Scope
- ___ Scope Rings
- ___ Mounting Screws
- ___ Mounting Base
- ___ Screws
- ___ Finish
- ___ Looseness
- ___ Clarity

Misc.
- ___ DD-250
- ___ Bar Code
- ___ Packaging

Item:

Stock Assy.
- ___ Stock
- ___ Sling Swivel Studs
- ___ Adjustable Butt Plate
- ___ Lock Nuts
- ___ Barrel Clearance
- ___ Color/Finish

Systems Case
- ___ Scope Case
- ___ Iron Sights
- ___ Deployment Kit

Trigger
- ___ Safety Operation
- ___ Set
- ___

Comments: _____

CONTRACT # DAAA21-87-C-0086 New Barrel

GUN SERIAL # C6225306

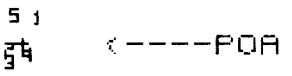
| OP. # | OP. NAME | READINGS | DATE | INITIAL |
|---|---|---|---|---|
| 575 & 580 | Assemble Action and Stock | | 9/1/94 | RW |
| 600 | Proof | | 9/1/94 | RW |
| 607 | Check Headspace | | 9/1/94 | RW |
| 610 | Dis-assemble Gun | | 9/1/94 | RW |
| 612 | Magnaflux Barrel Action | | | |
| | Magnaflux Bolt | | | |
| 615 | Rollmark Caliber | | | |
| 617 | Drill and Tap Sight Holes | | | |
| 618 | Polish Barrel | | | |
| 620 | Apply Coatings (Barrel Action) | | | |
| | Apply Coating (Bolt) | | | |
| 625 | Final Assembly<br>A) Clean inside of Bolt Assembly | | 9/12/94 | RW |
| | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head | | 9/12/94 | RW |
| | C) Inspect Ejector Hole for Chamfer | | 9/12/94 | RW |
| | D) Oil Firing Pin Ass'y | | 9/12/94 | RW |
| | E) Adjust Trigger Pull to Min Setting and Stake | | | |

| op. # | OP. NAME | READINGS | | | | | DATE | INIT |
|---|---|---|---|---|---|---|---|---|
| 625 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 | | | | | | 9/12 | WB OK |
| | A) Time | | | | | | 9/12 | WB OK |
| | B) Malfunctions | | | | | | 9/12 | WB OK |
| | C) Pierced Primers | | | | | | 9/12 | WB OK |
| | D) Optical Clearity of Scope | | | | | | 9/12 | WB OK |
| 645 | Inspect for Live Ammo | | | | | | 9/13/94 | RW |
| 655 | Final Inspection A) Headspace | | | | | | 9/14/94 | RW |
| | B) Trigger Pull | 2.27 | 2.29 | 2.29 | 2.26 | 2.29 | 9/14/94 | RW |
| | C) Function | | | | | | 9/14/94 | RW |
| 660 | Pack | | | | | | | |

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225306
15 Sep 1994

## CENTROIDAL DISTANCES

| | | | |
|---|---|---|---|
| Ø | TO | 1 | .561 |
| 1 | TO | 2 | .737749 |
| 1 | TO | 3 | .943445 |
| 1 | TO | 4 | .669893 |
| 1 | TO | 5 | .386412 |

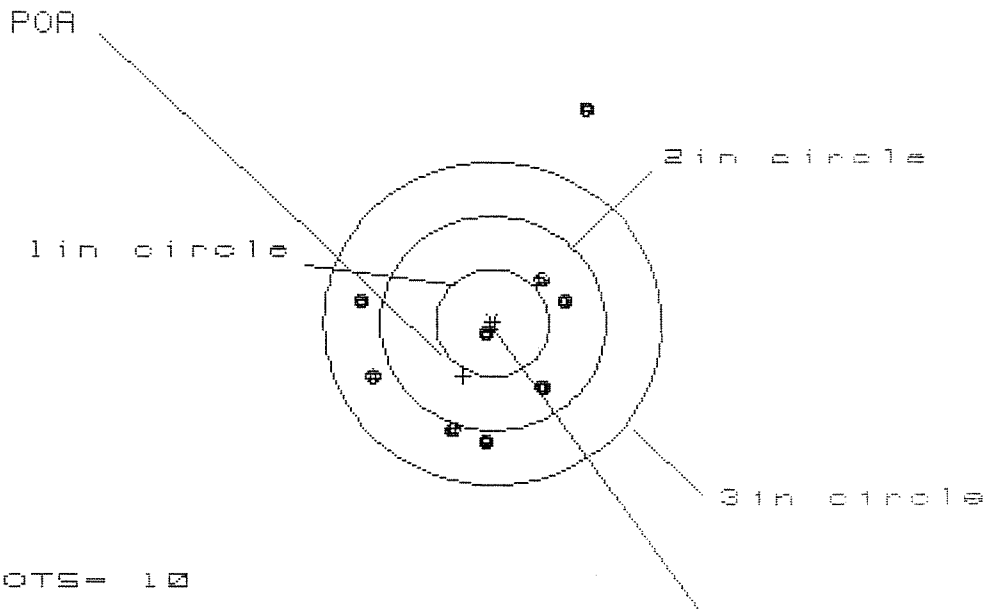



THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.039
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0974
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .104918

THE AMR FOR THIS RIFLE IS: .9152

15 Sep 1994 FILE:/PATTERNING/CENTERFIRE_PATT/C82253B6

# CENTERFIRE PATTERNS # 1




# OF SHOTS= 10

# IN CIR
1in = 1
2in = 5
3in = 9

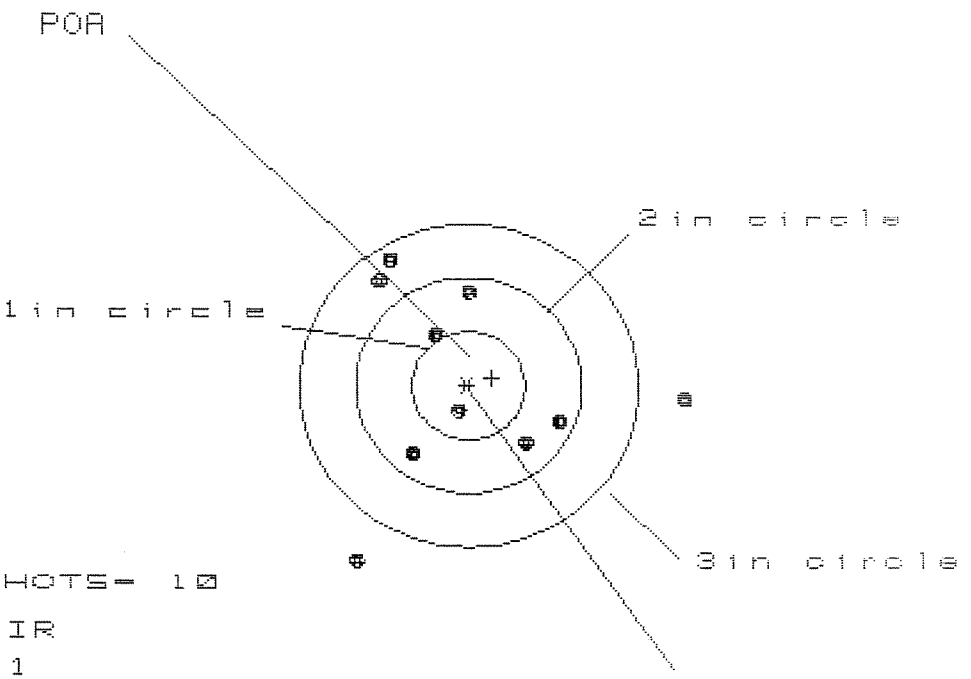
HS= 1.985
VS= 3.151
GS= 3.279

PATTERN # : 1

| | | | |
|---|---|---|---|
| SHOTS (BEST OF) : | 10 | 9 | |
| MAXIMUM X : | .815 | .686 | .551 |
| MINIMUM X : | -1.170 | -1.080 | -1.062 |
| MAXIMUM Y : | 2.042 | .651 | .701 |
| MINIMUM Y : | -1.109 | -.882 | -.882 |
| CENTROID X : | .264 | .174 | .306 |
| CENTROID Y : | .495 | .268 | .218 |
| POA TO CENTROID in.: | .561 | .320 | .378 |
| MIN RADIUS : | .158 | .112 | .221 |
| MEAN RADIUS : | .936 | .778 | .720 |
| MAX RADIUS : | 2.198 | 1.152 | 1.089 |
| HORIZONTAL SPREAD : | 1.985 | 1.766 | 1.613 |
| VERTICAL SPREAD : | 3.151 | 1.533 | 1.533 |
| EXTREME SPREAD : | 3.279 | 1.791 | 1.776 |
| NUMBER IN ONE INCH CIRCLE = | | 1 | |
| NUMBER IN TWO INCH CIRCLE = | | 5 | |
| NUMBER IN THREE INCH CIRCLE = | | 9 | |

15 Sep 1994 FILE:/PATTERNING/CENTERFIRE_PATT/C62253B6

# CENTERFIRE PATTERNS # 2




# OF SHOTS= 10

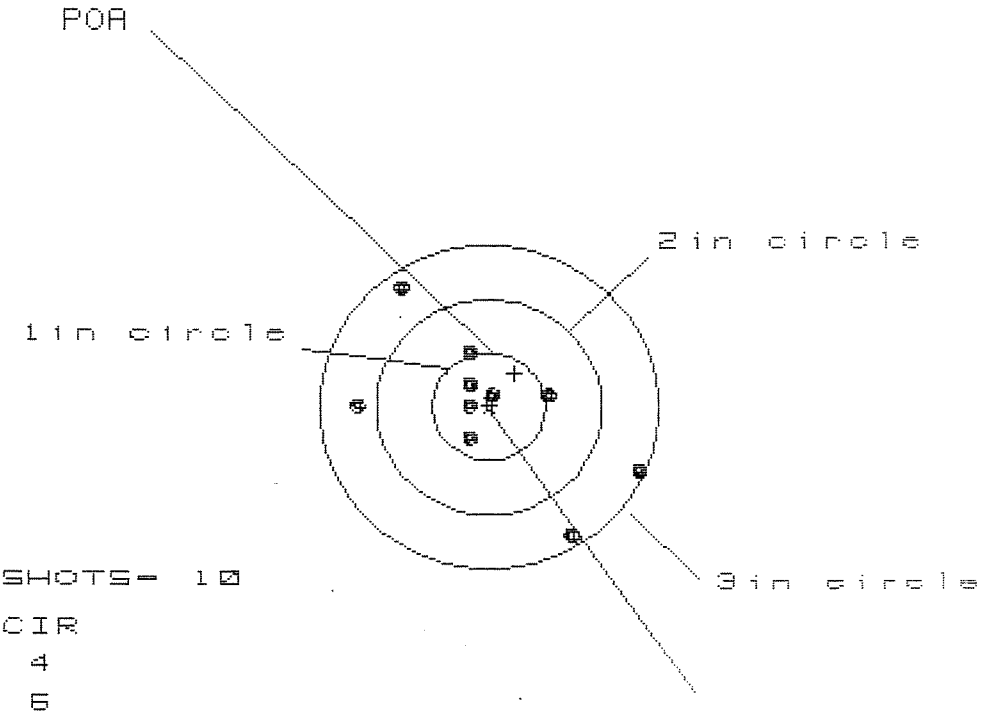
# IN CIR
1in = 1
2in = 5
3in = 8

HS= 2.884
VS= 2.710
GS= 3.227

| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 2 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.915 | 1.041 | .946 |
| MINIMUM X | : | -.969 | -.756 | -.668 |
| MAXIMUM Y | : | 1.128 | 1.113 | .913 |
| MINIMUM Y | : | -1.582 | -1.597 | -.880 |
| CENTROID X | : | -.208 | -.421 | -.326 |
| CENTROID Y | : | -.072 | -.057 | .143 |
| POA TO CENTROID in. | : | .220 | .425 | .356 |
| MIN RADIUS | : | .239 | .264 | .326 |
| MEAN RADIUS | : | 1.048 | .940 | .816 |
| MAX RADIUS | : | 1.920 | 1.767 | 1.070 |
| HORIZONTAL SPREAD | : | 2.884 | 1.797 | 1.614 |
| VERTICAL SPREAD | : | 2.710 | 2.710 | 1.793 |
| EXTREME SPREAD | : | 3.227 | 2.726 | 2.084 |
| NUMBER IN ONE INCH CIRCLE | = | | 1 | |
| NUMBER IN TWO INCH CIRCLE | = | | 6 | |
| NUMBER IN THREE INCH CIRCLE | = | | 8 | |

15 Sep 1994 FILE:/PATTERNING/CENTERFIRE_PATT/C6225306

# CENTERFIRE PATTERNS # 3




# OF SHOTS= 10

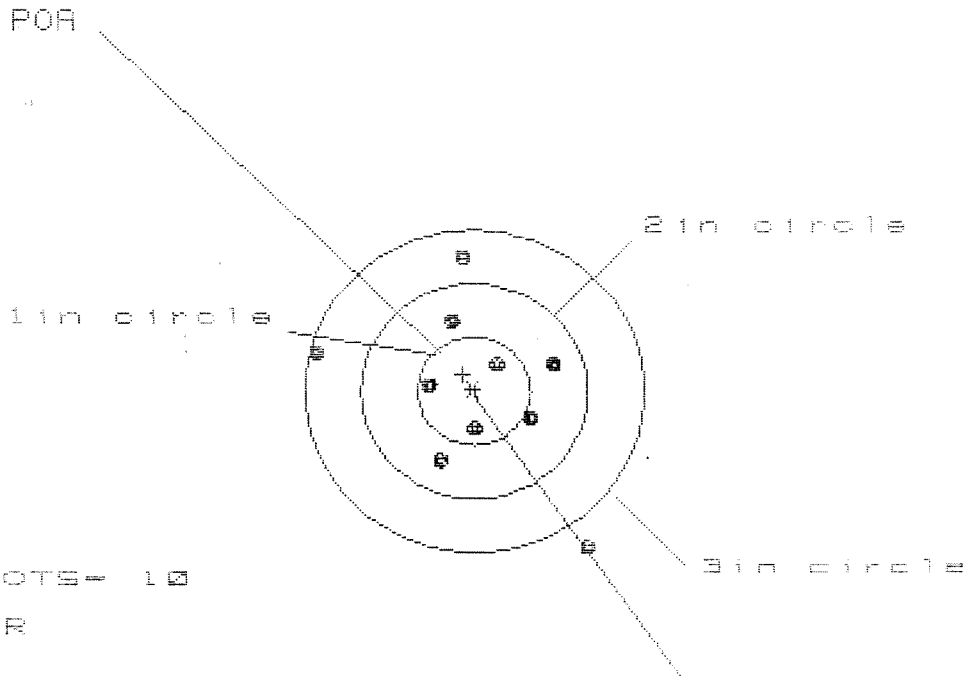
# IN CIR
1in = 4
2in = 6
3in = 10

HS= 2.435
VS= 2.302
GS= 2.705

| PATTERN # | : | 3 | | |
|---|---|---|---|---|
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.298 | .825 | .807 |
| MINIMUM X | : | -1.137 | -.993 | -.890 |
| MAXIMUM Y | : | 1.106 | 1.046 | .889 |
| MINIMUM Y | : | -1.196 | -1.256 | -.538 |
| CENTROID X | : | -.228 | -.372 | -.475 |
| CENTROID Y | : | -.310 | -.250 | -.092 |
| POA TO CENTROID in. | : | .385 | .448 | .484 |
| MIN RADIUS | : | .079 | .043 | .032 |
| MEAN RADIUS | : | .728 | .627 | .520 |
| MAX RADIUS | : | 1.407 | 1.503 | 1.016 |
| HORIZONTAL SPREAD | : | 2.435 | 1.818 | 1.697 |
| VERTICAL SPREAD | : | 2.302 | 2.302 | 1.427 |
| EXTREME SPREAD | : | 2.705 | 2.705 | 1.701 |
| NUMBER IN ONE INCH CIRCLE | = | | 4 | |
| NUMBER IN TWO INCH CIRCLE | = | | 6 | |
| NUMBER IN THREE INCH CIRCLE | = | | 10 | |

15 Sep 1994 FILE:/PATTERNING/CENTERFIRE_PATT/C6225306

# CENTERFIRE PATTERNS # 4




# OF SHOTS= 10

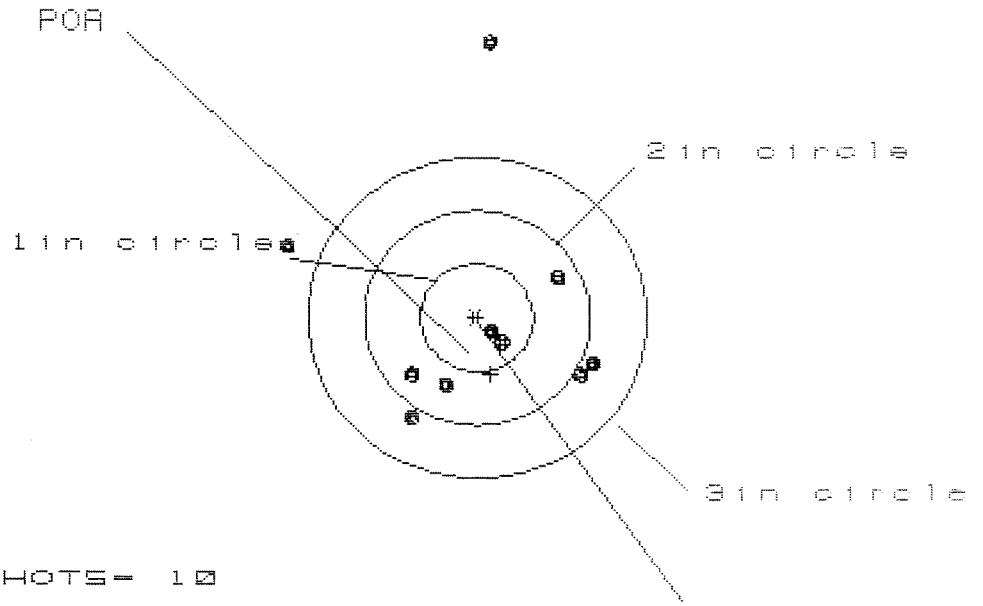
# IN CIR
1in = 3
2in = 7
3in = 8

HS= 2.409
VS= 2.697
GS= 3.012

| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 4 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.044 | .842 | .685 |
| MINIMUM X | : | -1.365 | -1.249 | -.434 |
| MAXIMUM Y | : | 1.218 | 1.054 | 1.074 |
| MINIMUM Y | : | -1.479 | -.839 | -.819 |
| CENTROID X | : | .098 | -.018 | .139 |
| CENTROID Y | : | -.154 | .010 | -.010 |
| POA TO CENTROID in. | : | .183 | .020 | .139 |
| MIN RADIUS | : | .305 | .288 | .192 |
| MEAN RADIUS | : | .825 | .712 | .622 |
| MAX RADIUS | : | 1.810 | 1.260 | 1.088 |
| HORIZONTAL SPREAD | : | 2.409 | 2.091 | 1.119 |
| VERTICAL SPREAD | : | 2.697 | 1.893 | 1.893 |
| EXTREME SPREAD | : | 3.012 | 2.095 | 1.902 |
| NUMBER IN ONE INCH CIRCLE | = | | 3 | |
| NUMBER IN TWO INCH CIRCLE | = | | 7 | |
| NUMBER IN THREE INCH CIRCLE | = | | 9 | |

15 Sep 1994 FILE:/PATTERNING/CENTERFIRE_PATT/C62253B6

# CENTERFIRE PATTERNS # 5




# OF SHOTS= 10

# IN CIR
1in = 2
2in = 5
3in = 8

HS= 2.723
VS= 3.427
GS= 3.486

| | | | | |
|---|---|---|---|---|
| PATTERN # | : | 5 | | |
| SHOTS (BEST OF) | : | 10 | 9 | 8 |
| MAXIMUM X | : | 1.042 | 1.053 | .845 |
| MINIMUM X | : | -1.681 | -1.670 | -.738 |
| MAXIMUM Y | : | 2.538 | .910 | .746 |
| MINIMUM Y | : | -.889 | -.607 | -.493 |
| CENTROID X | : | -.121 | -.132 | .076 |
| CENTROID Y | : | .528 | .246 | .133 |
| POA TO CENTROID in. | : | .542 | .280 | .153 |
| MIN RADIUS | : | .190 | .141 | .132 |
| MEAN RADIUS | : | 1.039 | .793 | .631 |
| MAX RADIUS | : | 2.540 | 1.901 | .917 |
| HORIZONTAL SPREAD | : | 2.723 | 2.723 | 1.583 |
| VERTICAL SPREAD | : | 3.427 | 1.517 | 1.239 |
| EXTREME SPREAD | : | 3.486 | 2.926 | 1.774 |
| NUMBER IN ONE INCH CIRCLE | = | | 2 | |
| NUMBER IN TWO INCH CIRCLE | = | | 5 | |
| NUMBER IN THREE INCH CIRCLE | = | | 8 | |