

C6498759

MODEL 700TM M24

Model **SMS**

Action

TM

Barrel Length

Capacity

Order No.

5716

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00092447

Serial: C6498759 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/19/1990

Repairman:

Status:

Closed 2/3/2005 1:26:22 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 362014199

Country: US

State: AL

Zip Code: 362014199

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

Condition:

Notes:

CSR:

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

maglotj

2/7/2005

10:43 AM

DAPS

NUM

INS

SCRL

start

3

Arms Services R

2

Serial Number: C6498759

Model: M24 SWS



RE00092447

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498759.___0

FILE DATE AND TIME: 09/01/2005 11:29

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

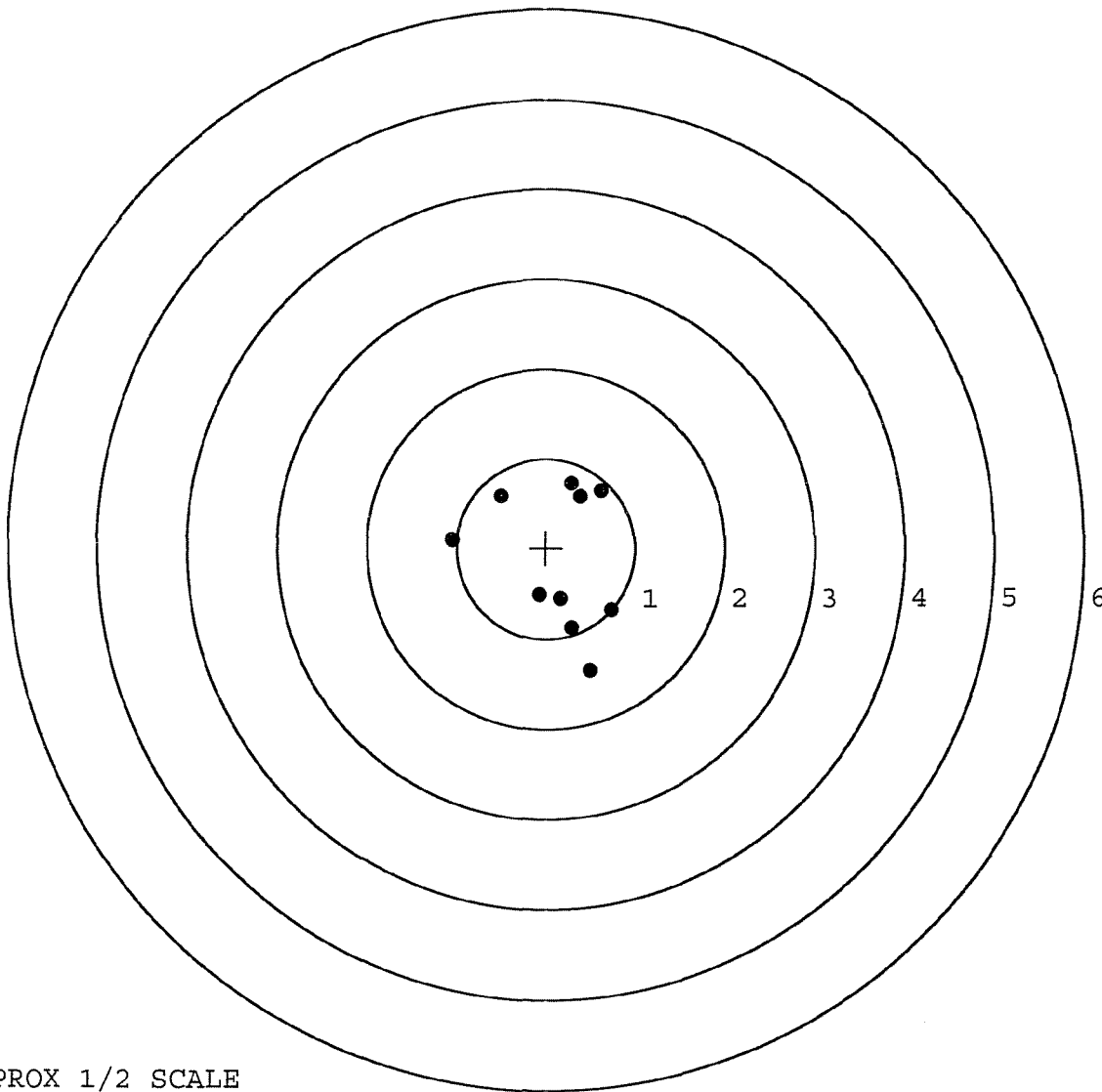
The Average X Centroid of the Five Target Set:	0.011
The Average Y Centroid of the Five Target Set:	0.013
The Average Point of Impact of the Five Target Set:	0.017
The Average Mean Radius of the Five Target Set:	0.822
The Distance from POA to Centroid Target #1:	0.194
The Distance from Centroid Target #2 to Centroid Target #1:	0.335
The Distance from Centroid Target #3 to Centroid Target #1:	0.333
The Distance from Centroid Target #4 to Centroid Target #1:	0.144
The Distance from Centroid Target #5 to Centroid Target #1:	0.469

BARBER - M24 0007151

SERIAL NUMBER: C6498759. __0
 TARGET NUMBER: 1
 FILE DATE: 09/01/2005
 FILE TIME: 11:29

POINT#	X	Y
1:	0.498	-1.351
2:	0.739	-0.681
3:	0.290	-0.881
4:	0.163	-0.563
5:	-0.078	-0.521
6:	-1.053	0.088
7:	-0.501	0.581
8:	0.291	0.725
9:	0.622	0.644
10:	0.393	0.577

X CENTROID: 0.136
 Y CENTROID: -0.138
 POA TO CENTROID: 0.194
 HORZ SPREAD: 1.792
 VERT SPREAD: 2.076
 GROUP SPREAD: 2.175
 MIN RADIUS: 0.426
 MAX RADIUS: 1.266
 MEAN RADIUS: 0.843
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



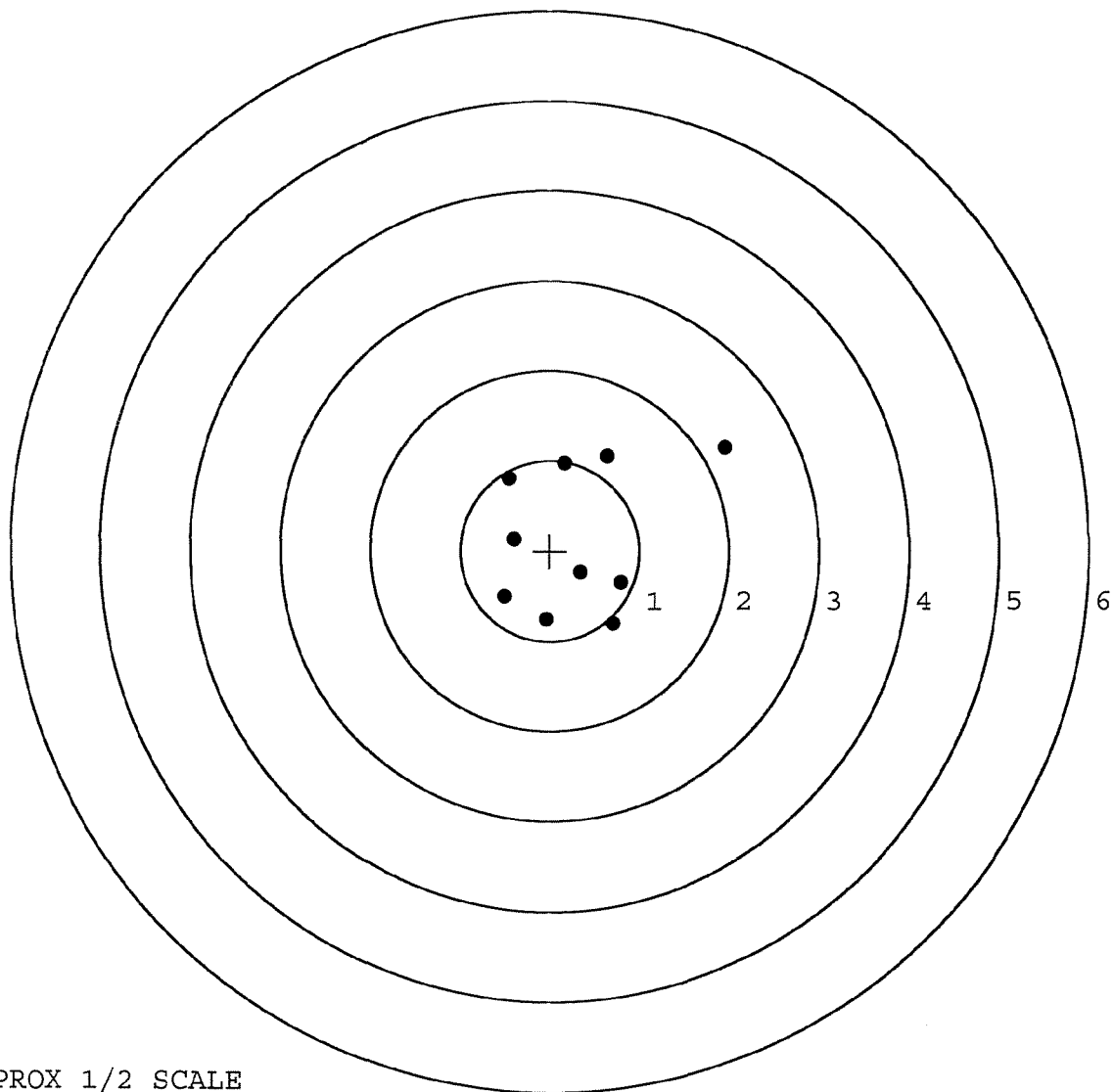
TARGET APPROX 1/2 SCALE

BARBER - M24 0007152

SERIAL NUMBER: C6498759. __0
 TARGET NUMBER: 2
 FILE DATE: 09/01/2005
 FILE TIME: 11:29

POINT#	X	Y
1:	0.796	-0.353
2:	0.708	-0.805
3:	0.346	-0.238
4:	-0.040	-0.765
5:	-0.507	-0.510
6:	-0.404	0.130
7:	-0.465	0.803
8:	0.162	0.971
9:	0.648	1.047
10:	1.954	1.141

X CENTROID: 0.320
 Y CENTROID: 0.142
 POA TO CENTROID: 0.350
 HORZ SPREAD: 2.461
 VERT SPREAD: 1.946
 GROUP SPREAD: 2.963
 MIN RADIUS: 0.381
 MAX RADIUS: 1.915
 MEAN RADIUS: 0.959
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



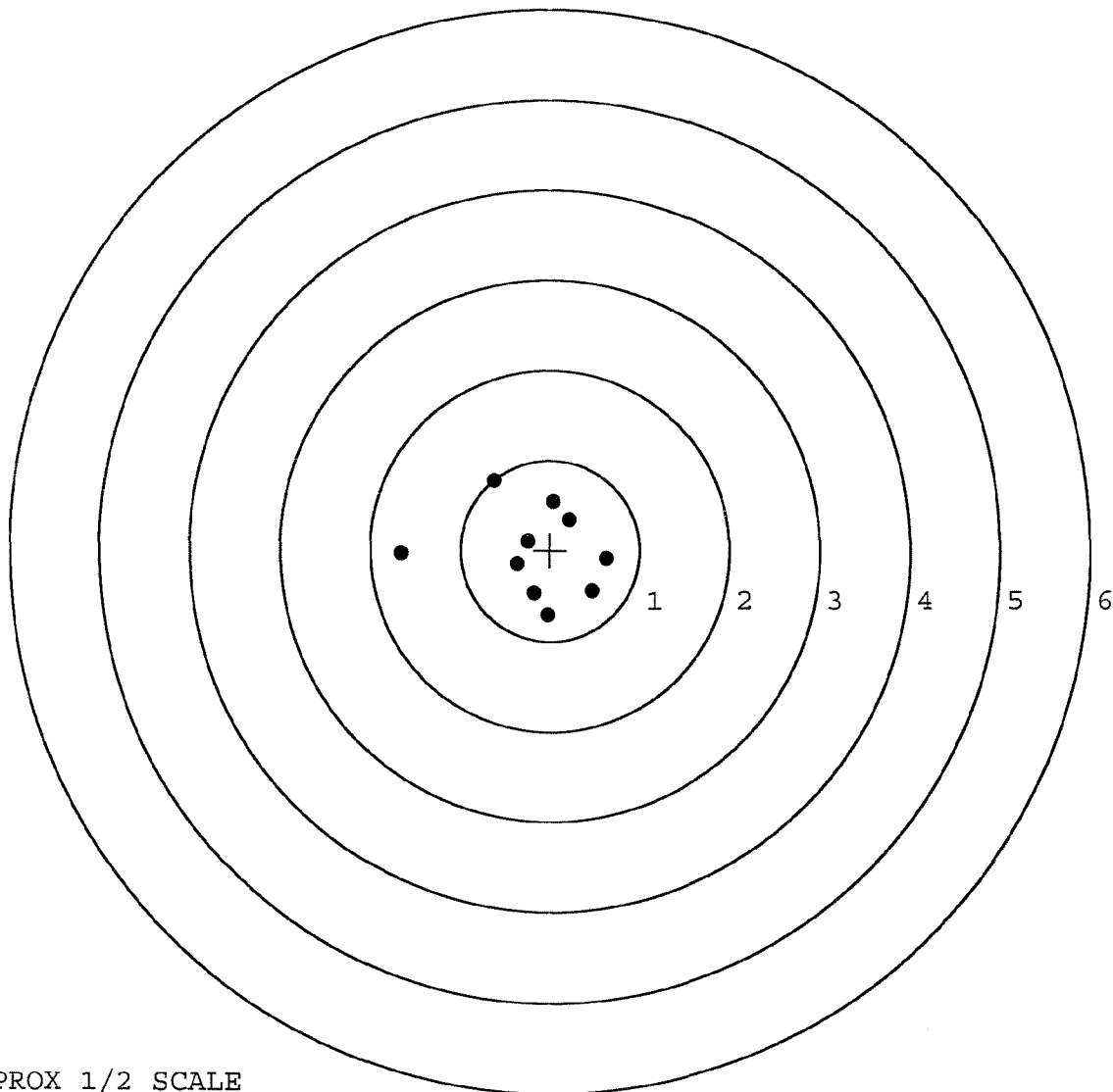
TARGET APPROX 1/2 SCALE

BARBER - M24 0007153

SERIAL NUMBER: C6498759. __0
 TARGET NUMBER: 3
 FILE DATE: 09/01/2005
 FILE TIME: 11:29

POINT#	X	Y
1:	0.467	-0.451
2:	0.633	-0.099
3:	0.226	0.338
4:	0.044	0.538
5:	-0.248	0.099
6:	-0.368	-0.155
7:	-0.183	-0.478
8:	-0.031	-0.717
9:	-0.632	0.767
10:	-1.661	-0.040

X CENTROID: -0.175
 Y CENTROID: -0.020
 POA TO CENTROID: 0.176
 HORZ SPREAD: 2.294
 VERT SPREAD: 1.484
 GROUP SPREAD: 2.295
 MIN RADIUS: 0.139
 MAX RADIUS: 1.486
 MEAN RADIUS: 0.666
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



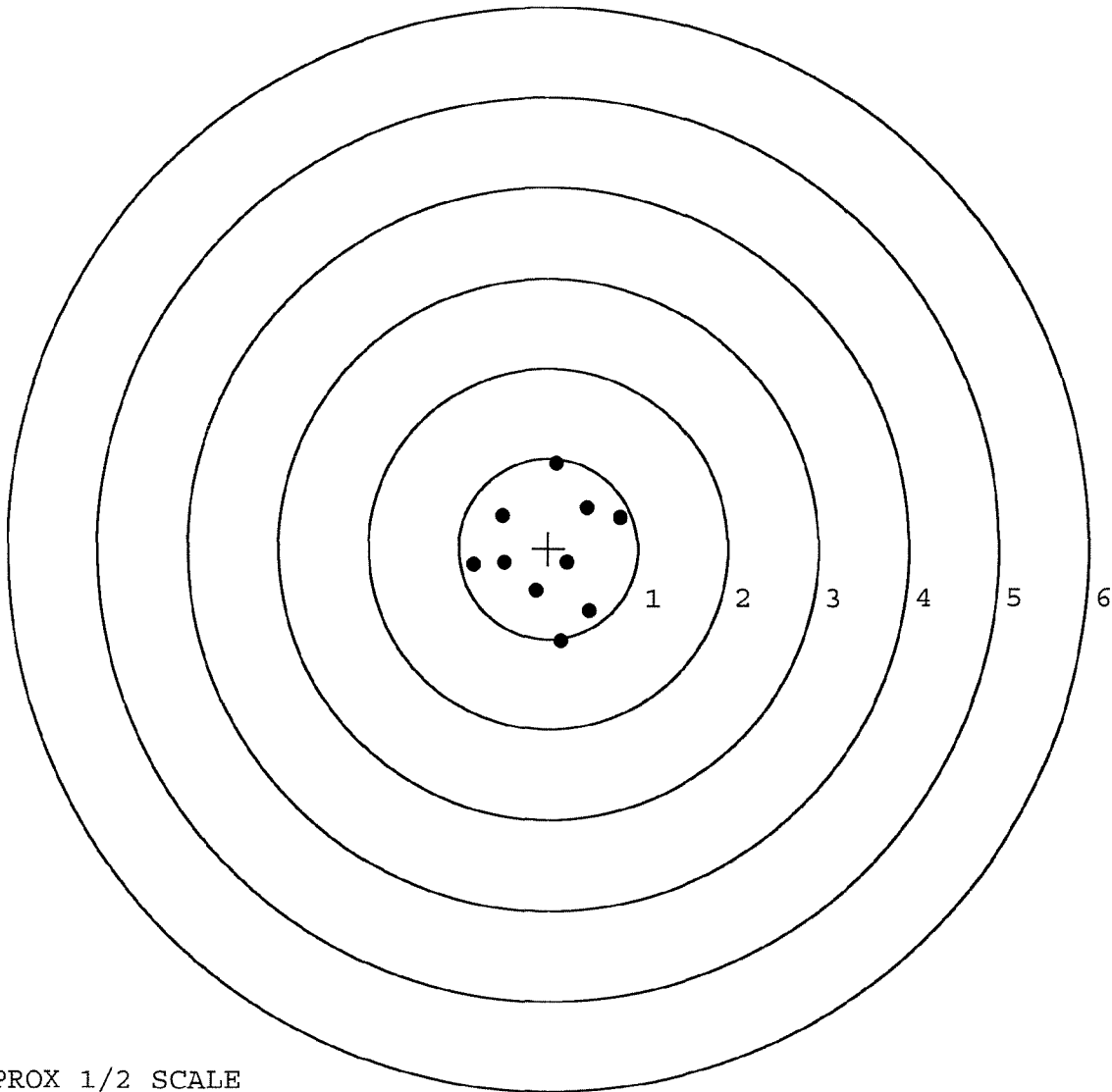
TARGET APPROX 1/2 SCALE

BARBER - M24 0007154

SERIAL NUMBER: C6498759. __0
 TARGET NUMBER: 4
 FILE DATE: 09/01/2005
 FILE TIME: 11:29

POINT#	X	Y
1:	0.454	-0.694
2:	0.146	-1.031
3:	-0.144	-0.469
4:	0.213	-0.154
5:	0.807	0.341
6:	0.438	0.453
7:	0.094	0.943
8:	-0.512	0.365
9:	-0.497	-0.154
10:	-0.835	-0.179

X CENTROID: 0.016
 Y CENTROID: -0.058
 POA TO CENTROID: 0.060
 HORZ SPREAD: 1.642
 VERT SPREAD: 1.974
 GROUP SPREAD: 1.975
 MIN RADIUS: 0.219
 MAX RADIUS: 1.004
 MEAN RADIUS: 0.702
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



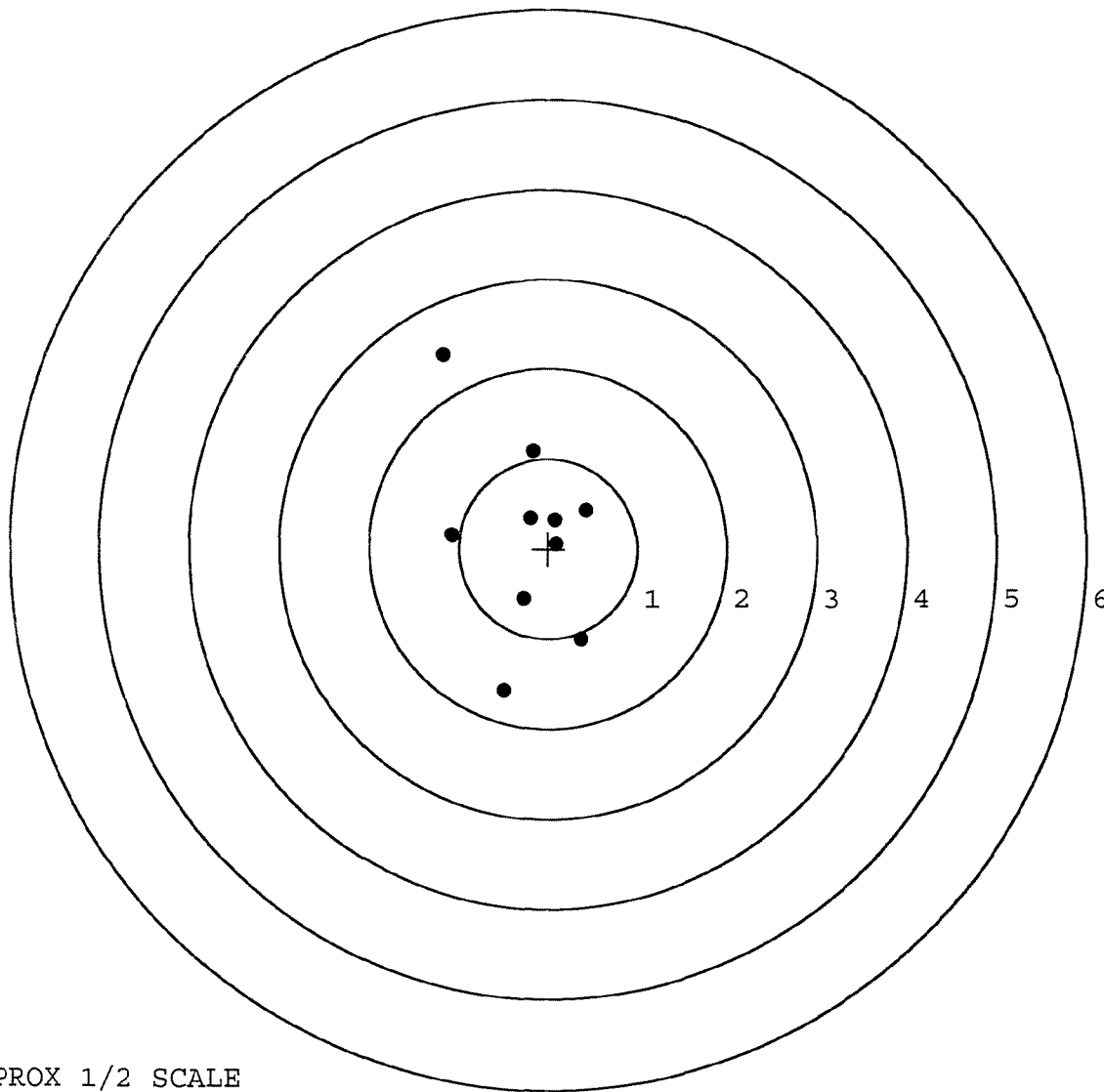
TARGET APPROX 1/2 SCALE

BARBER - M24 0007155

SERIAL NUMBER: C6498759. __0
 TARGET NUMBER: 5
 FILE DATE: 09/01/2005
 FILE TIME: 11:29

POINT#	X	Y
1:	0.376	-1.007
2:	-0.492	-1.584
3:	-0.280	-0.558
4:	-1.080	0.158
5:	-0.173	1.083
6:	-1.170	2.150
7:	-0.194	0.345
8:	0.432	0.428
9:	0.080	0.324
10:	0.093	0.059

X CENTROID: -0.241
 Y CENTROID: 0.140
 POA TO CENTROID: 0.278
 HORZ SPREAD: 1.602
 VERT SPREAD: 3.734
 GROUP SPREAD: 3.795
 MIN RADIUS: 0.210
 MAX RADIUS: 2.215
 MEAN RADIUS: 0.940
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

DATE 7-5-05

3.00 LBS (plus or minus 0.75 LBS)

TESTER TRW

4.00 LBS (plus or minus 1.00 LBS)

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.24	2.21		2.40	
PULL #2	2.30	2.13		2.19	
PULL #3	2.38	2.23		2.29	
PULL #4	2.37	2.24		2.80	
PULL #5	2.31	2.25		2.23	
TOTAL	11.60	11.06		11.91	
AVERAGE	2.32	2.21		2.38	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.07	3.08		
PULL #2	3.19	3.12		
PULL #3	3.32	3.00		
PULL #4	3.22	3.13		
PULL #5	3.23	3.17		
TOTAL	16.03	15.50		
AVERAGE	3.20	3.10		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.37	4.39		4.32
PULL #2	4.39	4.09		4.30
PULL #3	4.36	4.21		4.16
PULL #4	4.17	4.11		4.23
PULL #5	4.19	4.16		4.19
TOTAL	21.48	20.96		21.20
AVERAGE	4.29	4.19		4.24

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

R & E NUMBER	92447		
SERIAL NUMBER	C6498259		
LOG-IN DATE	2-3-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-16-05	RTZ
560 A	RE-BARREL	8-23-05	RTZ
B	DRILL AND TAP	8-25-05	TRLW
575	ASSEMBLE	8-24-05	RTZ
600	PROOF	8-24-05	AC
605	CHECK HEADSPACE	8-24-05	AC
610	DIS-ASSEMBLE GUN	8-25-05	RTZ
612	MAGNAFLUX <i>unnd</i>	8-25-05	<i>unnd</i>
615	ROLLMARK CALIBER	8-25-05	CW
618	ROTO-BLAST	8-26-05	LB
620	APPLY COATINGS	8/29/05	RB
625 A	FINAL ASSEMBLY	9-1-05	RTZ
B	TRIGGER PULL TEST	9-2-05	AC
C	SAFETY "ON" FORCE	9-2-05	AC
D	SAFETY "OFF" FORCE	9-2-05	AC
E	FIRING PIN INDENT	9-2-05	AC
640	TARGET	9-1-05	TRLW
655	FINAL INSPECT	9-2-05	AC
660	PACK	9-19-05	RA
		SHIP DATE	
		QAR INSPECTION DATE	

BARBER - M24 0007158 RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 96-12871

INITIAL
HAM

CUSTOMER ORDER NO.

M24

DATE RECEIVED
05/22/96

DATE OPENED
05/22/96

DATE CODE
KK 5-90

SERIAL NUMBER
C6498759

NEW SERIAL NUMBER

MODEL AND GRADE
700 7.62

NATO

ACCESSORIES

FROM:

DEPT OF THE ARMY
DIRECTOR OF LOGISTICS
3 NASH BLVD.
FORT DRUM

NY 13602

SHIP TO:

DEPT OF THE ARMY
DIRECTOR OF LOGISTICS
3 NASH BLVD.
FORT DRUM

NY
13602

CUST NO:101483 C.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

R595689302

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

W 52 H096176 H245

PARTS

COMMENTS

Barrel - 96003
Stock - 96018

Re powder coat Trigger Guard Assy
Front & Rear Sight Bases
Re Zinc - Scope Base & Survival
Stands.

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0007158

DA Label 18-1, Sep 83
Edition of Oct 74 will be used until exhausted.

DEPARTMENT OF THE ARMY
DIR OF LOGISTICS
3 NASH BLVD
FORT DRUM NY 13602-5095
OFFICIAL BUSINESS

REMINGTON ARMS CO
14 HOEFLE AVE
ILION NY 13357

R REGISTERED MAIL

OR 595 689 302

MAINTENANCE REQUEST				PAGE NO. <i>1</i>	NO. OF PAGES <i>1</i>	REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)			
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG									
SECTION I - EQUIPMENT DATA									
CONTROL NUMBER		WORK ORDER NO.		WESDC		ORG. PD		PD AUTHENTICATION	
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION <i>Ft Drum</i>		B. LOCATION			C. UNIT IDENT CODE <i>W811129</i>		
2. SERIAL NO. <i>C6498759</i>		3. NOUN NOMENCLATURE <i>Rifle Sniper</i>		4. LINE NO.		5. MODEL		6. NATIONAL STOCK NUMBER <i>1005-01-240-2136</i>	
7A. MAINTENANCE ACTIVITY		B. LEVEL		8. UTILIZATION CODE		9A. MCSR ITEM		9B. ERC	
14. FAILURE DETECTED DURING (Select one - use ☒ or X)		15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)							
☐ A Sch. Main. ☐ B Handling		☐ C Test ☐ D Normal Op		☐ E Storage ☐ F Inspection		☐ G Flight ☐ H Other		☐ 088 Inoperative ☐ 008 Noisy	
								☐ 258 Overheating ☐ 387 Low Performance	
								☐ 790 Out of Adjustment ☐ Other	
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). <i>Weapon won't hold tight zero at 800 m, magazine slips upwards & hampers bolt operation</i>									
B. REMARKS									
PREPARATION INSTRUCTIONS (Prior to using this form, read DA PAM 738-750 for detailed preparation instructions)									
1. Place a "✓" or an "X" in the box for the type of action required. 2. Enter the WESDC if the item is Materiel Condition Status Reportable. 3. Enter the priority designator as determined from the urgency of need and force activity designator. 4. The Unit Commander, Chief of TDA activity or their designated representative will authenticate, by signature, a priority of 01 through 08. 5. Block 1A. Enter the name of the organization submitting the request. 6. Block 1B. Enter the unit submitting the request; units overseas enter APO only. 7. Block 1C. Enter the unit identification code of the unit in block 1A. 8. Block 2. Enter the equipment serial number. For ammunition, enter the lot number. For administrative-use vehicles, enter the USA registration number. 9. Block 3. Enter the noun abbreviation of the item. 10. Block 4. Enter the item line number, if applicable. 11. Block 5. Enter the model number. 12. Block 6. Enter the National Stock Number of the item listed in Block 3.					13. Block 7. Enter the name of the support activity. 14. Block 7A. Enter the symbol of the maintenance category (O, F, H, D, or L). 15. Block 8. Enter the utilization code. 16. Block 9A. Enter the word "yes" if the item is Materiel Condition Status Reportable. 17. Block 9B. Enter the equipment readiness code, if applicable. 18. Block 9C. Enter the word "yes" if the item is a pacing item. 19. Block 10. Enter the hour reading, if applicable. 20. Block 11. Enter the mileage from the odometer, if applicable. 21. Block 12. Enter the total rounds fired, if applicable. 22. Block 13. For turbine engines, enter the number of hot starts. 23. Block 14. Enter a "✓" or "X" in the proper block. 24. Block 15. Enter a "✓" or "X" in the proper block. 25. Block 16. Describe briefly the fault or symptoms needing correction.				
23. SUBMITTED BY <i>[Signature]</i>		24. RECEIVED BY							
JULIAN DATE <i>6138</i>		JULIAN DATE							

24

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498759
16 Apr 1980

CENTROIDAL DISTANCES

0 TO 1 .511533
1 TO 2 .11905
1 TO 3 .476875
1 TO 4 .0687314
1 TO 5 .361024

54
7 <----POA

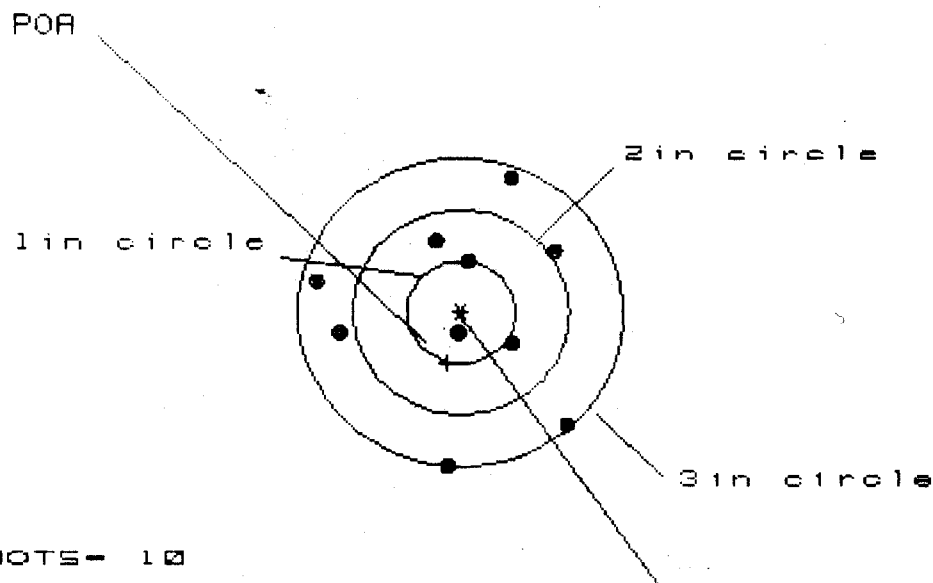
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0124
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3646
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .364811

THE AMR FOR THIS RIFLE IS: .988

16 Apr 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C649B759

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 9

HS= 2.291

VS= 2.865

GS= 2.940

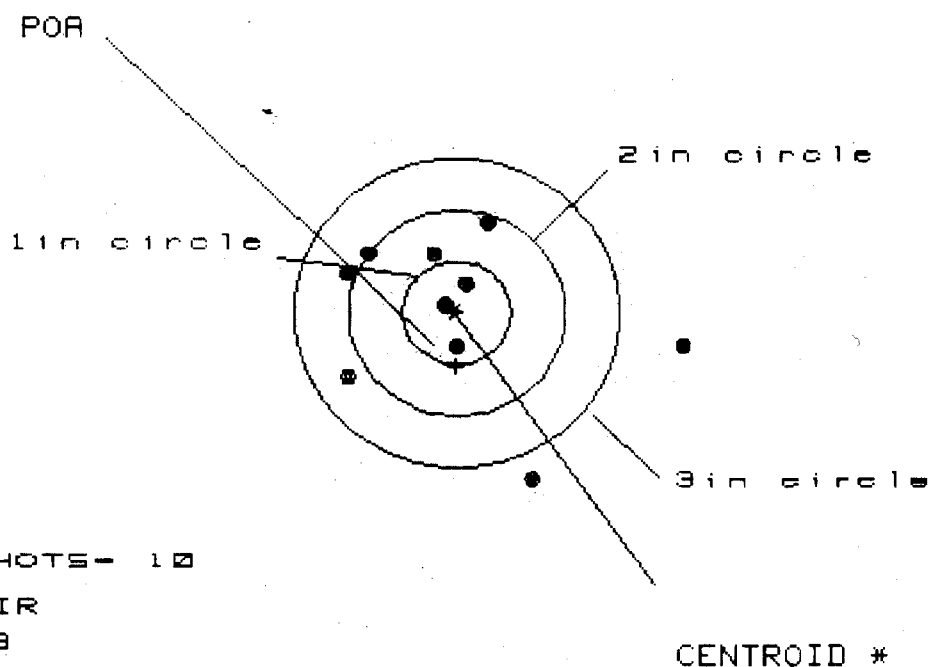
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.958	.940	1.001
MINIMUM X	:	-1.334	-1.351	-1.233
MAXIMUM Y	:	1.335	1.165	1.002
MINIMUM Y	:	-1.530	-1.297	-.677
CENTROID X	:	.129	.146	.028
CENTROID Y	:	.495	.665	.828
POA TO CENTROID in.	:	.512	.681	.828
MIN RADIUS	:	.158	.329	.239
MEAN RADIUS	:	1.005	.931	.832
MAX RADIUS	:	1.538	1.602	1.235
HORIZONTAL SPREAD	:	2.291	2.291	2.234
VERTICAL SPREAD	:	2.865	2.462	1.680
EXTREME SPREAD	:	2.940	2.678	2.277
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	9		

16 Apr 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C649B759

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in - 3

2in - 6

3in - 8

HS- 3.096

VS- 2.517

GS- 3.113

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.056	.914	.655
MINIMUM X	:	-1.040	-.811	-.697
MAXIMUM Y	:	.920	.888	.684
MINIMUM Y	:	-1.597	-1.629	-.850
CENTROID X	:	.012	-.217	-.331
CENTROID Y	:	.517	.549	.753
POA TO CENTROID in.	:	.517	.590	.822
MIN RADIUS	:	.089	.146	.330
MEAN RADIUS	:	.939	.786	.631
MAX RADIUS	:	2.076	1.868	1.099
HORIZONTAL SPREAD	:	3.096	1.725	1.352
VERTICAL SPREAD	:	2.517	2.517	1.534
EXTREME SPREAD	:	3.113	2.620	2.045
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	8		

16 Apr 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06438753

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 7

CENTROID #

HS= 3.789

VS= 3.174

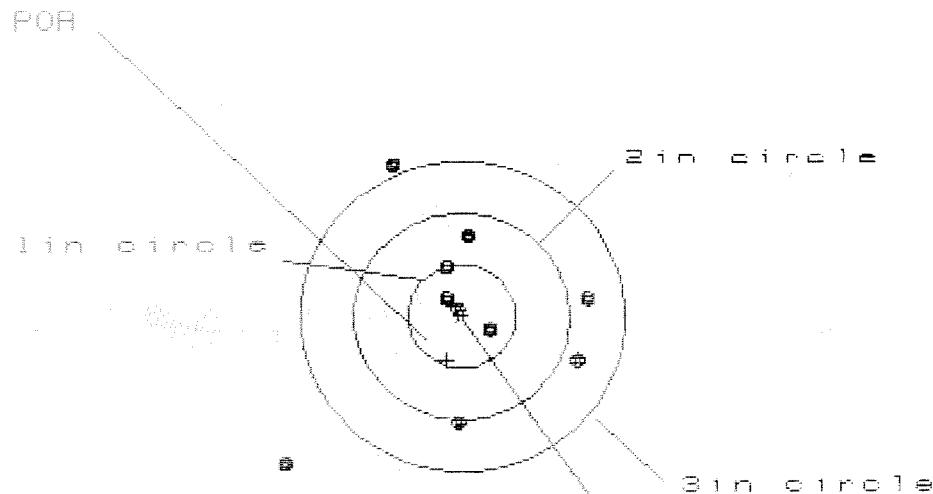
GS= 4.260

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.102	1.914	.919
MINIMUM X	-1.687	-1.844	-.885
MAXIMUM Y	1.702	1.536	1.577
MINIMUM Y	-1.472	-1.315	-1.276
CENTROID X	-.020	.168	-.071
CENTROID Y	.042	.206	.167
POA TO CENTROID in.	.047	.266	.181
MIN RADIUS	.551	.398	.432
MEAN RADIUS	1.233	1.107	.967
MAX RADIUS	2.239	1.939	1.597
HORIZONTAL SPREAD	3.789	2.958	1.724
VERTICAL SPREAD	3.174	2.853	2.853
EXTREME SPREAD	4.260	3.244	2.931
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	7	

16 Apr 1988

FILE://PATTERNING/CENTERFIRE_PATT/C6498759

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 8

HS = 2.831

VS = 2.942

GS = 3.243

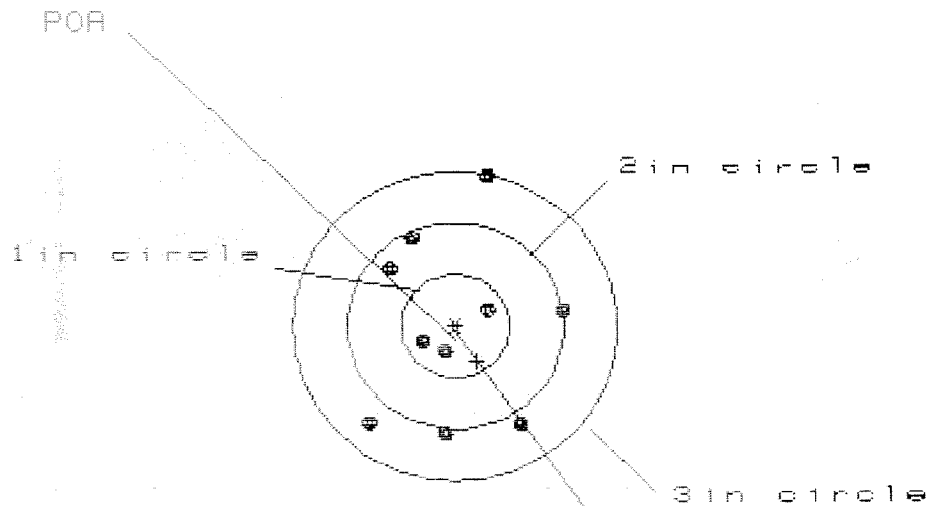
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.194	1.012	.912
MINIMUM X	-1.637	-.799	-.425
MAXIMUM Y	1.498	1.338	.797
MINIMUM Y	-1.444	-1.217	-1.050
CENTROID X	.139	.321	.421
CENTROID Y	.427	.587	.420
POR TO CENTROID in.	.449	.669	.595
MIN RADIUS	.060	.270	.163
MEAN RADIUS	.910	.763	.662
MAX RADIUS	2.183	1.558	1.095
HORIZONTAL SPREAD	2.831	1.811	1.337
VERTICAL SPREAD	2.942	2.555	1.847
EXTREME SPREAD	3.243	2.622	1.850
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

16 Apr 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C6498759

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HS= 1.770

VS= 2.464

GS= 2.618

CENTROID #

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.983	1.016	.922
MINIMUM X	:	-.787	-.754	-.661
MAXIMUM Y	:	1.470	1.032	.939
MINIMUM Y	:	-.994	-.831	-.924
CENTROID X	:	-.198	-.231	-.137
CENTROID Y	:	.342	.179	.272
POA TO CENTROID in.	:	.395	.292	.305
MIN RADIUS	:	.241	.075	.203
MEAN RADIUS	:	.853	.757	.724
MAX RADIUS	:	1.500	1.081	1.027
HORIZONTAL SPREAD	:	1.770	1.770	1.583
VERTICAL SPREAD	:	2.464	1.863	1.863
EXTREME SPREAD	:	2.618	2.093	2.046
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

21 DAY TURN - AROUND

M-24

CONTRACT # DAAA09-92-C-0834

*Barrel
stock*

R&E NO.

SERIAL NO.

*C6498759*LOG IN DATE: *5/22/96*

DATE

INIT.

INSPECT & VERIFY:

OP. #

OP. NAME

550

DIS-ASSEMBLE GUN

560 A

RE-BARREL AT CUSTOM SHOP

B

DRILL & TAP

C

POLISH

575

ASSEMBLE

600

PROOF

*6/6/96**Rw*

605

CHECK HEADSPACE

*6/6/96**Rw*

610

DIS-ASSEMBLE

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

*6/17/96**Rw*

655

FINAL INSPECT

*6/20/96**Rw*

660

PACK

QAR INSPECTION

SHIP DATE

Final Inspection

S.O. C6498759

DATE REC'D: 5/22/96

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:

Remington
MODEL 700™ M24

DUPONT
REG. U.S. PAT. & TM. OFF.

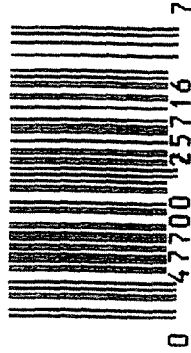
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO.
C6498759

ORDER NO.
5716

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

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498759

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9	90	RW
600	Proof	5 9	90	RW
607	Check Headspace	5 9	90	RW
610	Dis-assemble Gun	5 9	90	RW
612	Magnaflux Barrel Action	5-15-90		KER
	Magnaflux Bolt	5-15-90		KER
615	Rollmark Caliber	5-15-90		GS
617	Drill and Tap Sight Holes		5/17/90	FB
618	Polish Barrel RB		5/17/90	WB
620	Apply Coatings (Barrel Action)		5-25-90	TA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/7/90	RM

BARBER - M24 0007173							DATE	INIT
op. #	OP. NAME	READINGS						
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			6/7/90	WB
	G) Safety Off Force	2 1/4	2 1/2	2 1/4			6/7/90	WB
	H) Trigger Pull Test & Retainability						4/7/90	JH
	I) Firing Pin Indent	.0225	.023	.023			6/7/90	WB
	J) Assemble Stock						6/11/90	RW
	K) Assemble Swivel Studs						6-13-90	JH
	L) Attach Front and Rear Sight Assemblies						6/11/90	RW
	M) Iron Sight Alignment						6/11/90	RW
	N) Detach Front & Rear Sights & place in numbered container						6/11/90	RW
	O) Attach Scope to Rifle						6/11/90	WB
	P) Detach & Attach Scope 20 Times						6/11/90	WB
640	Gallery Target & Test						6-11-90	DH
	A) Time						6-11-90	DH
	B) Malfunctions						6-11-90	DH
	C) Pierced Primers						6-11-90	DH
	D) Optical Clarity of Scope						6-11-90	DH
645	Inspect for Live Ammo						6-11-90	DH
655	Final Inspection							
	A) Headspace						6/13/90	JH
	B) Trigger Pull	2.85	2.89	2.74	2.74	2.69	6/13/90	GS
	C) Function						6/13/90	JH
660	Pack						6-11-90	DH

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

SERIAL NO. C6498759DATE 6-6-90TESTER JJ

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.23	2.29	2.30	2.85	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.23	2.32	2.45	2.89	
PULL #3	2.25	2.26	2.35	2.74	
PULL #4	2.33	2.37	2.37	2.74	
PULL #5	2.31	2.36	2.30	2.69	
TOTAL	11.35	11.59	11.77		
AVG.	2.27	2.318	2.354		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.25		
PULL #2	3.40	3.42		
PULL #3	3.47	3.42		
PULL #4	3.47	3.40		
PULL #5	3.44	3.35		
TOTAL	17.28	16.84		
AVG.	3.456	3.368		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.16		4.29
PULL #2	4.43	4.22		4.29
PULL #3	4.21	4.23		4.39
PULL #4	4.25	4.31		4.38
PULL #5	4.17	4.22		4.39
TOTAL	21.43	21.14		21.74
AVG.	4.286	4.228		4.348

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498759
11 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.481773
1 TO	2	.352405
1 TO	3	.788703
1 TO	4	.254026
1 TO	5	.268365

1⁴
5⁴ <----POA
3

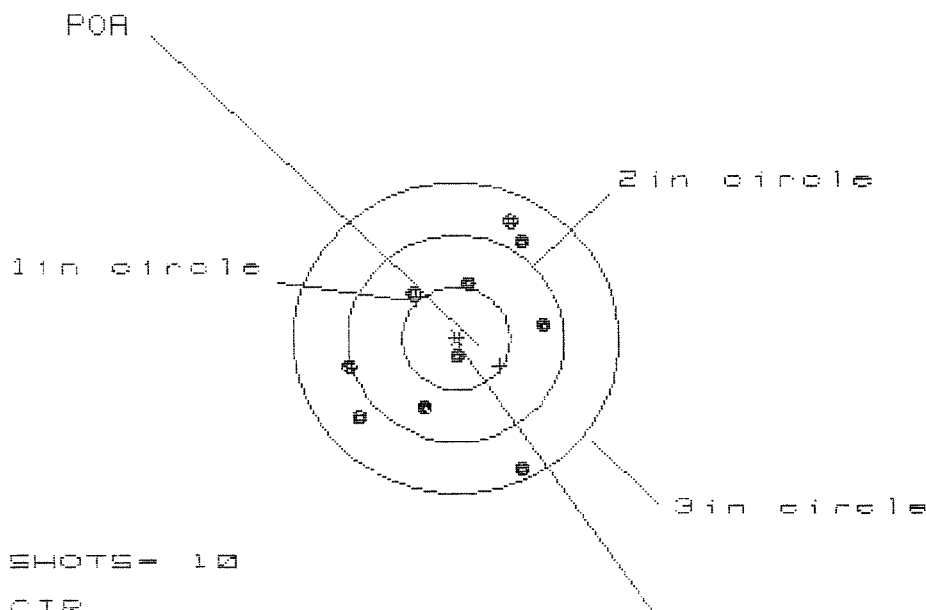
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.228
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0498
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .233375

THE AMP FOR THIS RIFLE IS: .8894

11 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498759

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 1.758

VS= 2.461

GS= 2.464

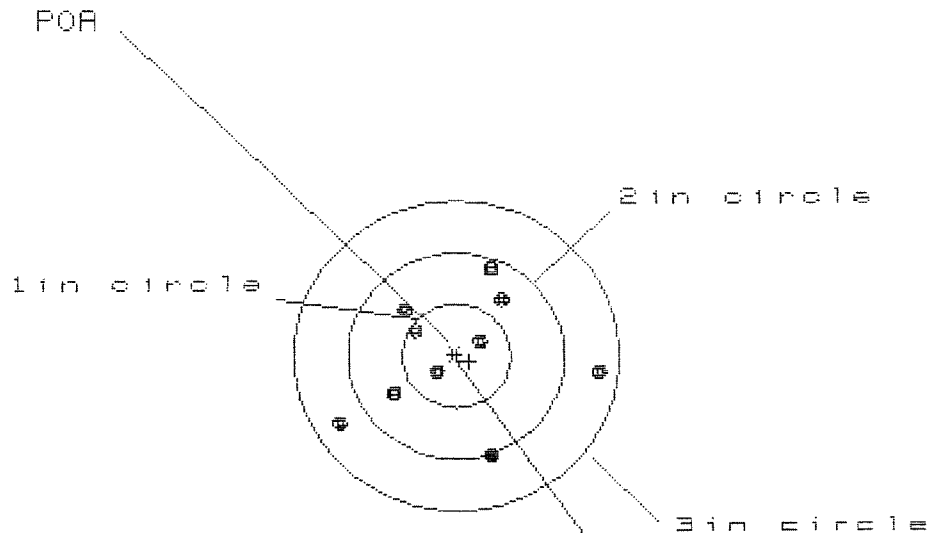
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.771	.837	.903
MINIMUM X	:	-.987	-.921	-.855
MAXIMUM Y	:	1.153	1.008	.903
MINIMUM Y	:	-1.308	-.915	-.789
CENTROID X	:	-.403	-.469	-.535
CENTROID Y	:	.264	.409	.283
POA TO CENTROID in.	:	.482	.622	.605
MIN RADIUS	:	.164	.315	.224
MEAN RADIUS	:	.881	.809	.762
MAX RADIUS	:	1.435	1.221	1.154
HORIZONTAL SPREAD	:	1.758	1.758	1.758
VERTICAL SPREAD	:	2.461	1.923	1.692
EXTREME SPREAD	:	2.464	2.342	2.235
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

11 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C849B759

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.352

VS= 1.778

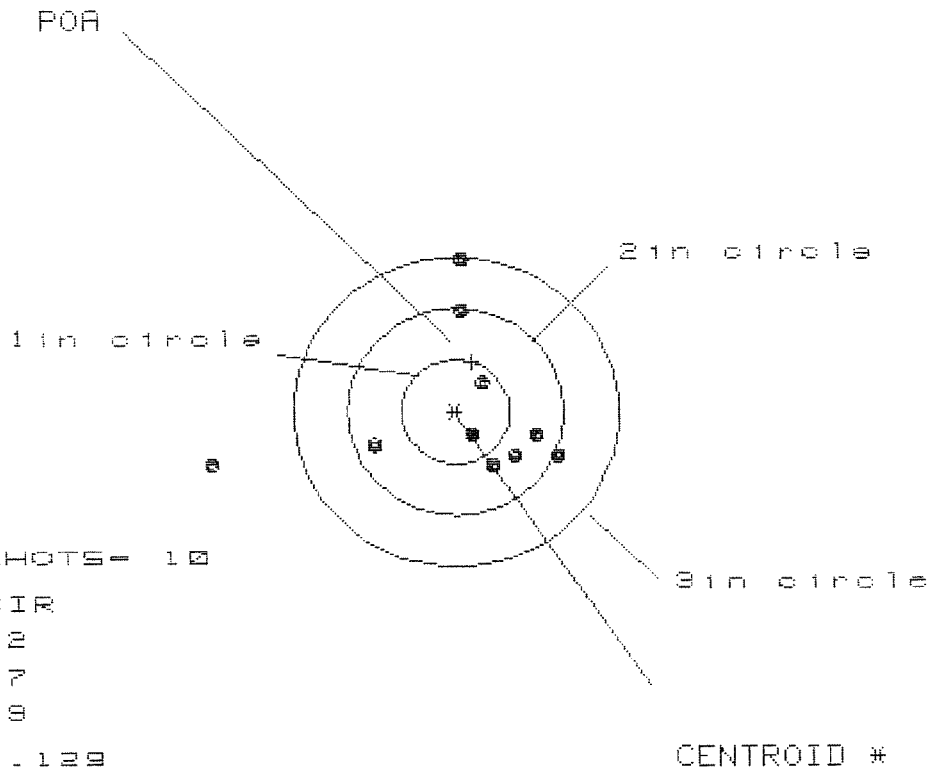
GS= 2.410

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.313	.531	.419
MINIMUM X	:	-1.039	-.893	-.512
MAXIMUM Y	:	.832	.815	.728
MINIMUM Y	:	-.946	-.963	-1.050
CENTROID X	:	-.120	-.266	-.154
CENTROID Y	:	.054	.071	.159
POA TO CENTROID in.	:	.131	.275	.221
MIN RADIUS	:	.198	.128	.251
MEAN RADIUS	:	.727	.639	.572
MAX RADIUS	:	1.322	1.134	1.111
HORIZONTAL SPREAD	:	2.352	1.424	.931
VERTICAL SPREAD	:	1.778	1.778	1.778
EXTREME SPREAD	:	2.410	2.033	1.778
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

11 Jun 1998

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CENTERFIRE PATTERNS # 3

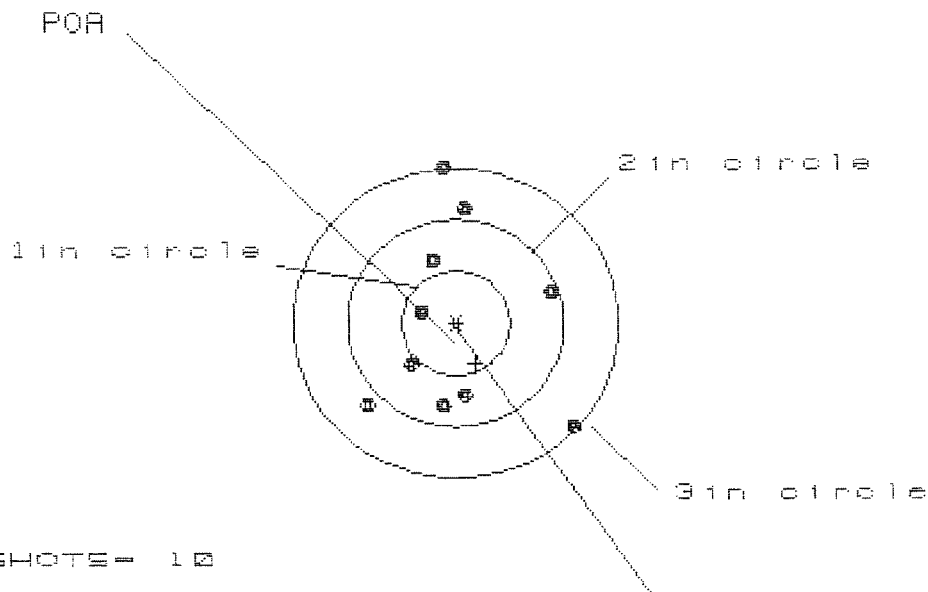


PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.911	.664	.638
MINIMUM X	:	-2.218	-1.027	-1.053
MAXIMUM Y	:	1.441	1.384	1.081
MINIMUM Y	:	-.542	-.599	-.426
CENTROID X	:	-.147	.100	.126
CENTROID Y	:	-.482	-.425	-.598
POA TO CENTROID in.	:	.504	.437	.611
MIN RADIUS	:	.266	.201	.155
MEAN RADIUS	:	.922	.716	.589
MAX RADIUS	:	2.276	1.400	1.100
HORIZONTAL SPREAD	:	3.129	1.691	1.691
VERTICAL SPREAD	:	1.983	1.983	1.507
EXTREME SPREAD	:	3.130	2.083	1.695
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Jun 1998

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CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS = 1.871

VS = 2.525

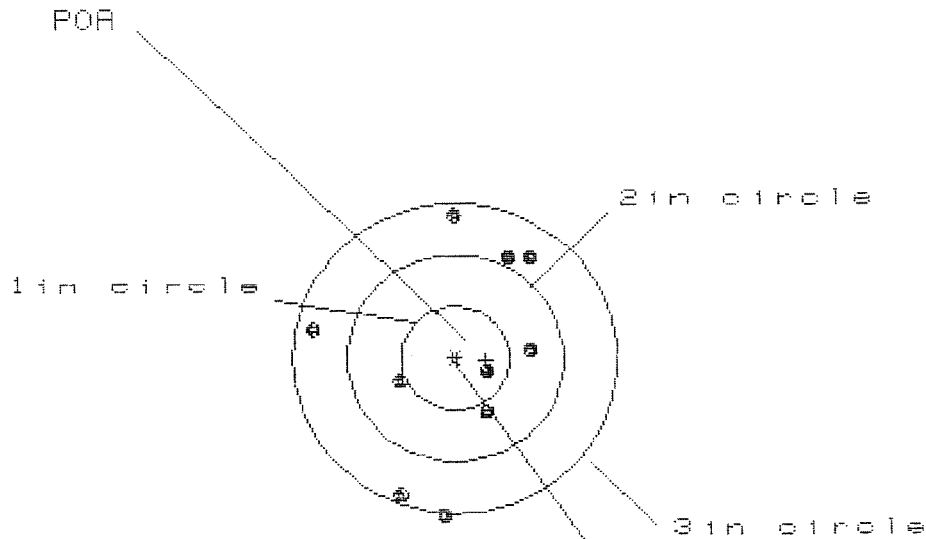
GS = 2.794

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.052	1.036	.951
MINIMUM X	:	-.819	-.835	-.705
MAXIMUM Y	:	1.544	1.273	1.171
MINIMUM Y	:	-.981	-.809	-.690
CENTROID X	:	-.183	-.167	-.297
CENTROID Y	:	.391	.219	.321
POA TO CENTROID in.	:	.432	.276	.437
MIN RADIUS	:	.280	.374	.210
MEAN RADIUS	:	.898	.806	.722
MAX RADIUS	:	1.551	1.315	1.184
HORIZONTAL SPREAD	:	1.871	1.871	1.656
VERTICAL SPREAD	:	2.525	2.082	1.861
EXTREME SPREAD	:	2.794	2.307	2.057
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Jun 1998

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 2.046

VS = 2.979

GS = 2.981

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.710
MINIMUM X	-1.336
MAXIMUM Y	1.415
MINIMUM Y	-1.564
CENTROID X	-.287
CENTROID Y	.022
POA TO CENTROID in.	.288
MIN RADIUS	.329
MEAN RADIUS	1.019
MAX RADIUS	1.566
HORIZONTAL SPREAD	2.046
VERTICAL SPREAD	2.979
EXTREME SPREAD	2.981
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	9