

C6611421

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00113483

Serial: C6611421 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 6/13/2006 9:48:09 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: SGT RODERICK DAVIS

SGT RODERICK DAVIS

Address 1: 91ST MILITARY POLICE DETACHMENT

91ST MILITARY POLICE DETACHMENT

Address 2: 22ND ST BLDG 2391B

PO Box:

22ND ST BLDG 2391B

PO Box:

City: FT POLK

FT POLK

State: LA

Zip Code: 71459

Country: US

State: LA

Zip Code: 71459

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

6/13/2006

10:39 AM

CAPS

NUM

INS

SCRL



3 Inte...

Arms S...

Part Se...

3 Micr...

4 Micr...

Quality ...

10:39 AM

Serial Number: C6611421
Model: M24 SWS
RE00113483

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611421.___0

FILE DATE AND TIME: 06/27/2006 17:58

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.025
The Average Y Centroid of the Five Target Set:	0.058
The Average Point of Impact of the Five Target Set:	0.063
The Average Mean Radius of the Five Target Set:	0.540
The Distance from POA to Centroid Target #1:	0.115
The Distance from Centroid Target #2 to Centroid Target #1:	0.149
The Distance from Centroid Target #3 to Centroid Target #1:	0.193
The Distance from Centroid Target #4 to Centroid Target #1:	0.148
The Distance from Centroid Target #5 to Centroid Target #1:	0.211

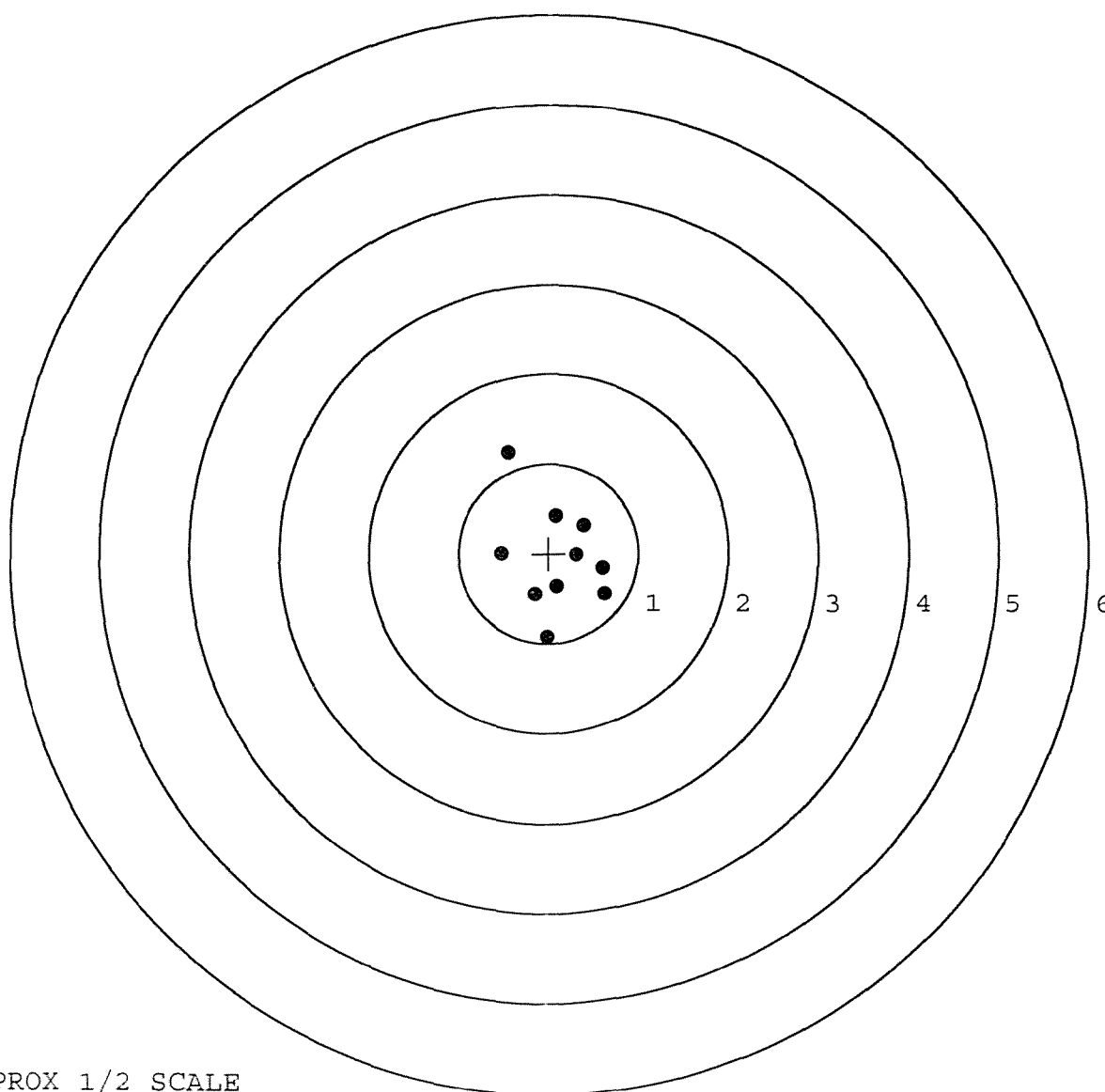
BARBER - M24 0076543

SERIAL NUMBER: C6611421. __ 0
TARGET NUMBER: 1
FILE DATE: 06/27/2006
FILE TIME: 17:58

X CENTROID: 0.100
Y CENTROID: -0.055
POA TO CENTROID: 0.115
HORZ SPREAD: 1.155
VERT SPREAD: 2.059
GROUP SPREAD: 2.106
MIN RADIUS: 0.212
MAX RADIUS: 1.302
MEAN RADIUS: 0.594

IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.007	-0.934
2:	-0.147	-0.459
3:	-0.523	0.002
4:	0.632	-0.457
5:	0.099	-0.365
6:	0.610	-0.173
7:	0.399	0.307
8:	0.083	0.419
9:	-0.450	1.125
10:	0.309	-0.015



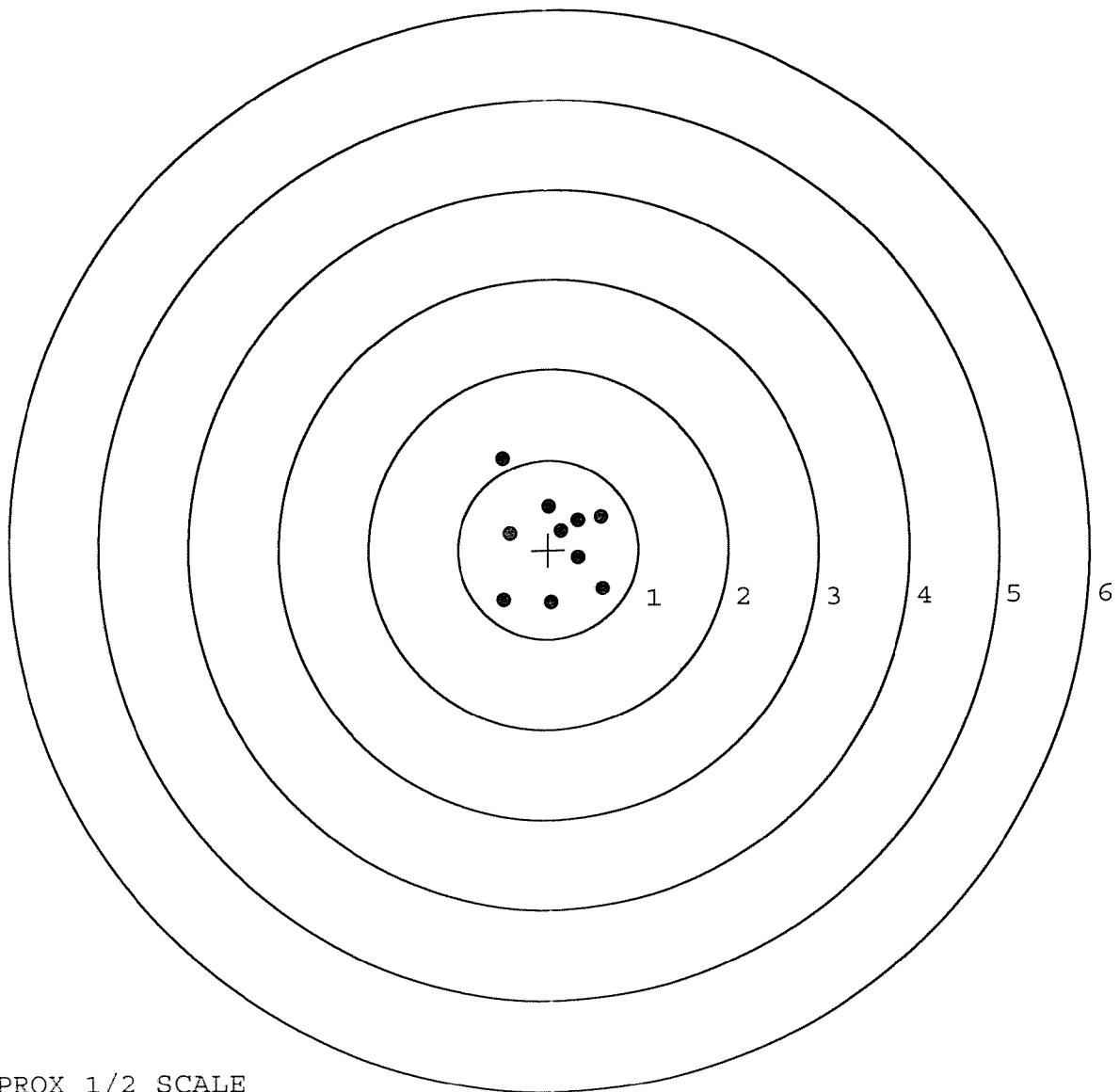
TARGET APPROX 1/2 SCALE

BARBER - M24 0076544

SERIAL NUMBER: C6611421. __0
TARGET NUMBER: 2
FILE DATE: 06/27/2006
FILE TIME: 17:58

X CENTROID: 0.064
Y CENTROID: 0.089
POA TO CENTROID: 0.110
HORZ SPREAD: 1.101
VERT SPREAD: 1.622
GROUP SPREAD: 1.838
MIN RADIUS: 0.142
MAX RADIUS: 1.090
MEAN RADIUS: 0.571
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.496	-0.560
2:	0.033	-0.597
3:	0.605	-0.448
4:	-0.495	1.025
5:	-0.420	0.192
6:	0.589	0.359
7:	0.013	0.486
8:	0.335	-0.094
9:	0.142	0.208
10:	0.337	0.323



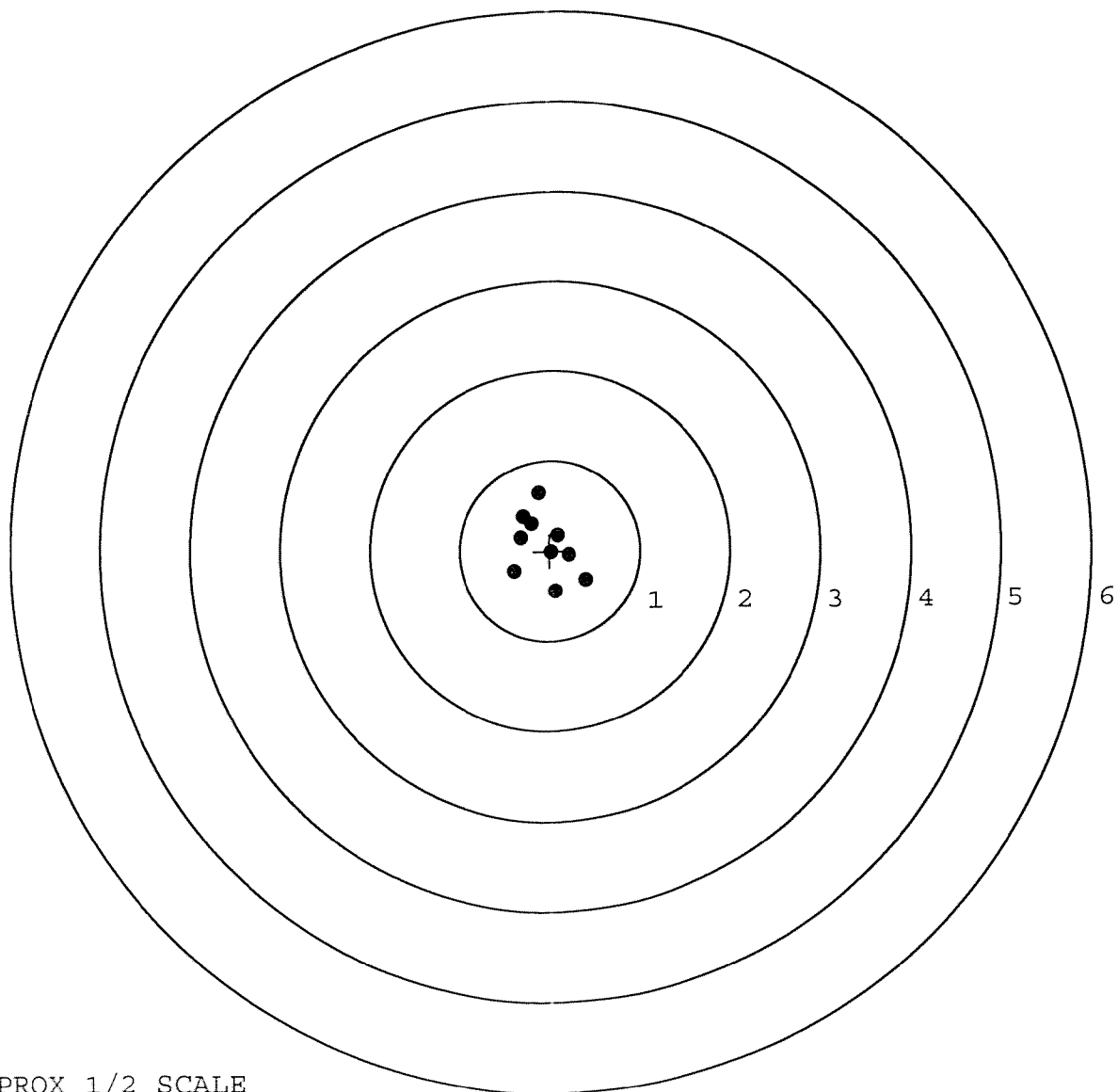
TARGET APPROX 1/2 SCALE

BARBER - M24 0076545

SERIAL NUMBER: C6611421. __0
TARGET NUMBER: 3
FILE DATE: 06/27/2006
FILE TIME: 17:58

	POINT#	X	Y
	1:	-0.121	0.646
	2:	-0.300	0.384
	3:	-0.323	0.149
	4:	-0.397	-0.221
	5:	0.063	-0.448
	6:	0.401	-0.328
	7:	0.219	-0.047
	8:	0.089	0.171
	9:	-0.203	0.303
	10:	0.018	-0.015

X CENTROID: -0.055
Y CENTROID: 0.059
POA TO CENTROID: 0.081
HORZ SPREAD: 0.798
VERT SPREAD: 1.094
GROUP SPREAD: 1.105
MIN RADIUS: 0.105
MAX RADIUS: 0.599
MEAN RADIUS: 0.371
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



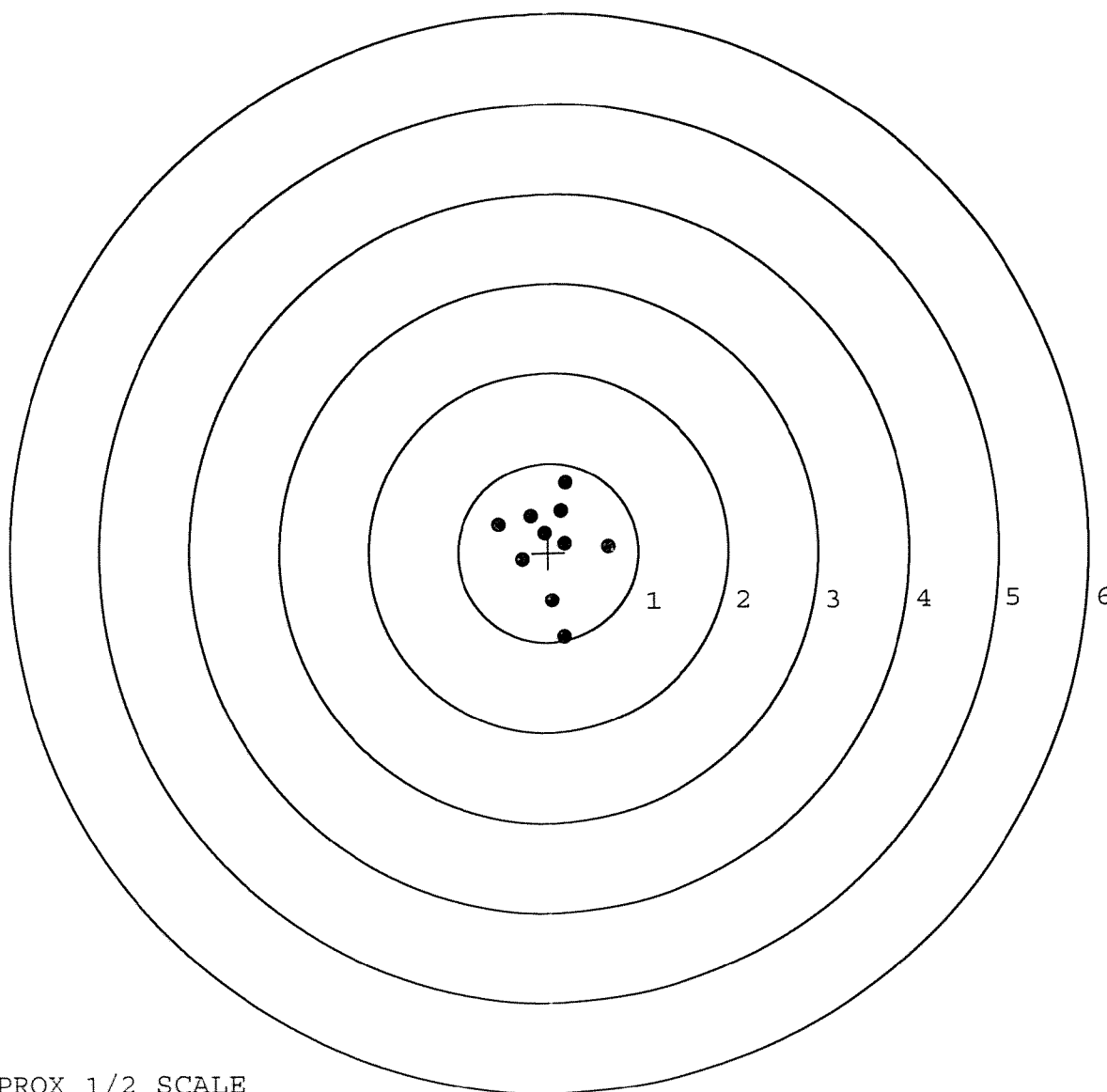
TARGET APPROX 1/2 SCALE

BARBER - M24 0076546

SERIAL NUMBER: C6611421. __0
TARGET NUMBER: 4
FILE DATE: 06/27/2006
FILE TIME: 17:58

X CENTROID: 0.033
Y CENTROID: 0.076
POA TO CENTROID: 0.083
HORZ SPREAD: 1.222
VERT SPREAD: 1.728
GROUP SPREAD: 1.728
MIN RADIUS: 0.150
MAX RADIUS: 1.038
MEAN RADIUS: 0.512
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.177	-0.952
2:	0.041	-0.545
3:	-0.291	-0.077
4:	0.671	0.058
5:	0.182	0.096
6:	-0.551	0.320
7:	-0.196	0.408
8:	-0.043	0.218
9:	0.146	0.462
10:	0.195	0.776



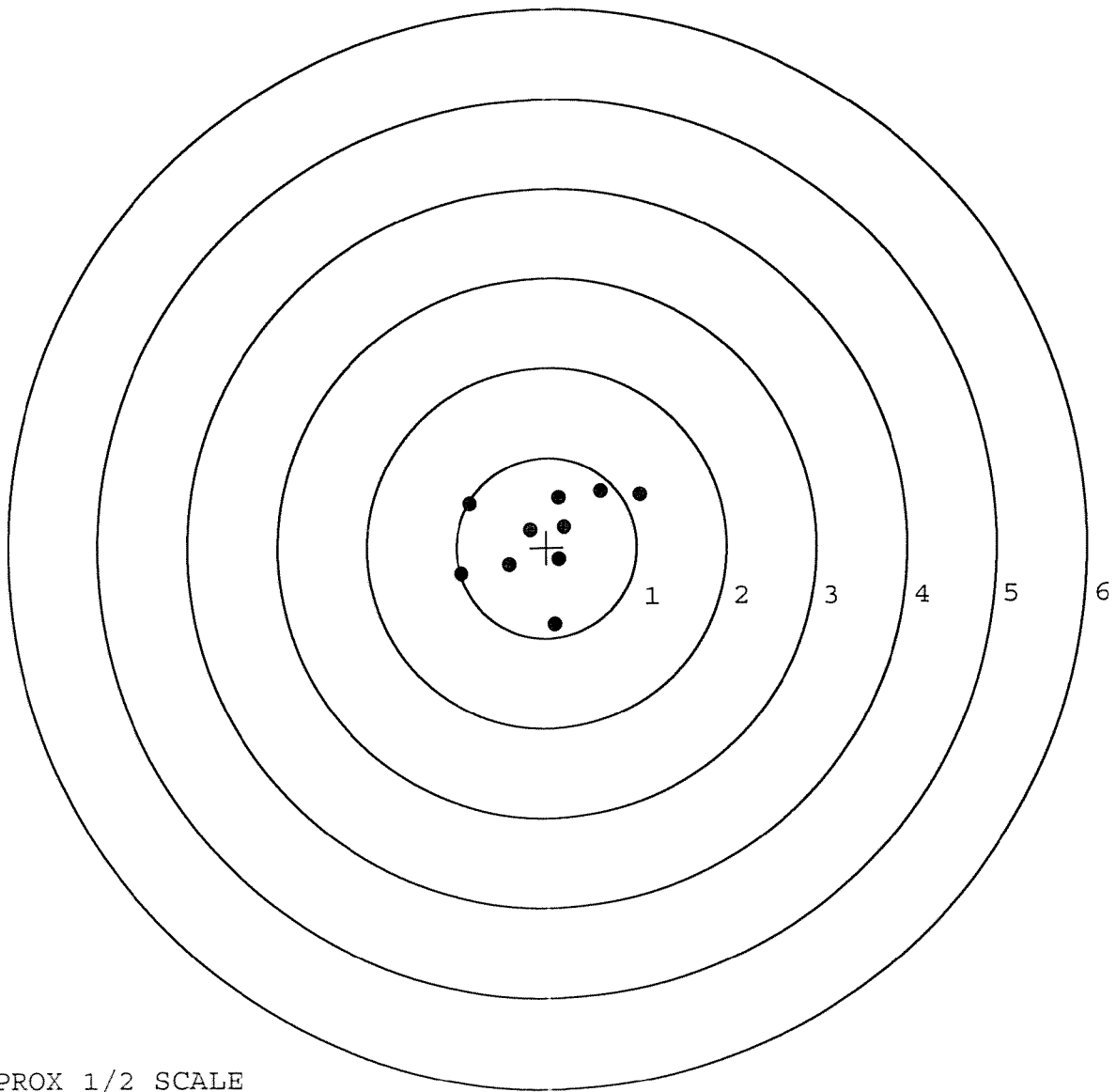
TARGET APPROX 1/2 SCALE

BARBER - M24 0076547

SERIAL NUMBER: C6611421. __0
TARGET NUMBER: 5
FILE DATE: 06/27/2006
FILE TIME: 17:58

POINT#	X	Y
1:	1.036	0.575
2:	0.602	0.620
3:	0.137	0.551
4:	-0.849	0.489
5:	-0.186	0.194
6:	0.194	0.224
7:	0.138	-0.138
8:	-0.414	-0.193
9:	-0.947	-0.287
10:	0.090	-0.856

X CENTROID: -0.020
Y CENTROID: 0.118
POA TO CENTROID: 0.120
HORZ SPREAD: 1.983
VERT SPREAD: 1.476
GROUP SPREAD: 2.162
MIN RADIUS: 0.183
MAX RADIUS: 1.151
MEAN RADIUS: 0.653
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN 2.50 LBS AND 3.00 LBS

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)

DATE

6-21-06

TESTER

R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	247	253		249	
PULL #2	240	242		249	
PULL #3	242	243		252	
PULL #4	242	241		250	
PULL #5	243	242		254	
TOTAL	1214	1221		1254	
AVERAGE	242	244		250	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	310	301		
PULL #2	313	292		
PULL #3	297	293		
PULL #4	310	293		
PULL #5	314	292		
TOTAL	1544	1471		
AVERAGE	308	294		

	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	411	410		4.02
PULL #2	417	415		4.06
PULL #3	416	404		4.19
PULL #4	416	415		4.13
PULL #5	415	402		4.01
TOTAL	2075	2046		20.41
AVERAGE	415	409		4.08

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	113483			
SERIAL NUMBER	C6611421			
LOG-IN DATE	6-13-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6-21-06	RTJ
505	RE-BARREL		6-22-06	RTJ
420	ASSEMBLE		6-22-06	RTJ
440	PROOF	MAGNA-FLUX INSPECTED	6-23-06	TRW
460	CHECK HEADSPACE	JUN 23 2006	6-23-06	TRW
470	DIS-ASSEMBLE GUN		6-23-06	RTJ
480	MAGNAFLUX	OPERATOR <u>unnd</u>	6/23/06	unnd
510	DRILL AND TAP		6-23-06	TRW
500	ROLLMARK CALIBER		6-23-06	CW
520	GOFF BLAST BBL / REC		6-23-06	LB
530 & 540	APPLY COATINGS		6/24/06	TRB
560	FINAL ASSEMBLY		6/27/06	R.C.
640	FUNCTION TEST AND	PASS FAIL	6-27-06	S.P.D.
650	TARGET	PASS FAIL	6-27-06	S.P.D.
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		6-28-06	AC
	A) HEADSPACE	PASS FAIL	6-28-06	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.60 2.42 2.42 2.23 2.33	AC
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	8/16s 8/16s 8/16s	AC
	G) SAFETY OFF FORCE	2 LBS MIN	6/16s 6/16s 6/16s	AC
	I) FIRING PIN INDENT	.020	.023 .023 .023	AC
690	PACK		6-29-06	DA

F006 REV 5/2006

BARBER - M24 0076550 FINAL INSPECTION CHECKLIST

BARREL ASSEMBLY

BARREL

RECEIVER

FRONT SIGHT BASE

REAR SIGHT BASE

SCREWS

FINISH

SCOPE ASSEMBLY

SCOPE

SCOPE RINGS

MOUNTING SCREWS

MOUNTING BASE

SCREWS

FINISH

CLARITY

STOCK ASSEMBLY

STOCK

SLING SWIVEL STUDS

BUTT PATE

LOCK NUTS

BARREL CLEARANCE

COLOR / FINISH

SYSTEM CASE

SCOPE CASE

IRON SIGHTS

DEPLOYMENT KIT

TRIGGER ASSEMBLY

SAFETY OPERATION

RE-SET TO FACTORY
SPECS

COMMENTS: _____

F006 REV 5/2006

6145

MAINTENANCE REQUEST For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG				PAGE NO 1	NO OF PAGES 1	REQUIREMENT CONTROL SYMBOL CSGLD-1047(R1)					
SECTION I - CUSTOMER DATA				SECTION II - MAINTENANCE ACTIVITY DATA							
1a. UIC CUSTOMER WVNOAA		1b. CUSTOMER UNIT NAME 915L MP. DET.		1c. PHONE NO 531-6822		3a. WORK ORDER NUMBER (WON)		3b. SHOP 546th		3c. PHONE NO 531-1738	
2a. SAMS-2 UIC/SAMS-I/TDA		2b. UTILIZATION CODE 0		2c. MCSR Y		4a. UIC SUPPORT UNIT		4b. SUPPORT UNIT NAME			
SECTION III - EQUIPMENT DATA											
5. TYPE MNT REQ CODE 1		6. ID A		7. NSN 1005012402136		15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (Enter code) See DA Pamphlets 738-750 and 738-751 F					
8. MODEL M24		9. NOUN RIFLE (SNIPER)		10a. ORG WON/DOC NO 666/1422		10b. EIC		15b. FIRST INDICATION OF TROUBLE/HOW RECOGNIZED CODE (Enter Code) See DA Pamphlets 738-750 and 738-751 387		16. MILES/KILOMETERS/HOURS/ROUNDS M K H R	
11. SERIAL NUMBER 666/1422		12. QTY 1		13. PD		17. PROJECT CODE (if assigned)		18. ACCOUNT PROCESSING CODE		19. IN WARRANTY (enter Y or N)	
14. MALFUNCTION DESCRIPTION (for DSU, GSU/AVIM, DEPOT use)				21. REIMBURSABLE CUSTOMER (if intransit customer enter Y or N)				20. ADMIN NO			
				22. LEVEL OF WORK		23. SIGNATURE					
24. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURES IN EQUIPMENT TM (Do not prescribe repairs)											
T.I. FOR TURN-IN											
25. REMARKS											
26. TECHNICAL REFERENCES											
SECTION IV - TASK REQUIREMENTS DATA											
27a. FILE INPUT ACT CD	27b. TASK NO	27c. ACT CODE	27d. TASK DESCRIPTION	27e. QTY TO BE RPR	27f. WORK CENTER	27g. FAILURE CODE	27h. MH PROJ	27i. MH EXP			
	01		INITIAL INSPECTION		ARMT						
	02		T.I. FOR TURN-IN		ARMT						
	03		FINAL INSPECTION		ARMT						
SECTION V - PART REQUIREMENTS											
28a. FILE INPUT ACT CD	28b. TASK NO	28c. ID NO	28d. NSN OR PART NUMBER	28e. SFX CD	28f. QTY RQD	28g. QTY ISSUED	28h. NMCS CD	28i. FAILURE CODE	28j. STORAGE LOCATION	28k. INITIALS	28l. COST \$
28m. TOTAL MANHOURS			28n. TOTAL MANHOURS COSTS \$			28o. TOTAL PARTS COSTS \$					
SECTION VI - COMPLETION DATA											
29. QTY RPR		30. QTY CONDEMN		31. QTY NRTS		32. EVAC WON		33. EVAC UNIT NAME			
SECTION VII - ACTION SIGNATURES											
34a. SUBMITTED BY Subahy		35a. ACCEPTED BY Zelich		35c. DATE 6/30		36a. WORK STARTED BY Zelich		37a. INSPECTED BY Zelich		38a. PICKED UP BY Subahy	
34b. DATE 6/30	35b. STATUS A	35d. TIME	36b. STATUS B	36c. DATE 6/30	36d. TIME	37b. STATUS R	37c. DATE 6/30	37d. TIME	38b. STATUS U	38c. DATE 6/30	38d. TIME

USAPPC V1-10

17392

1960

Replaces edition of 1 Jan 64, which will be used

44

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

PAGE NO
1

NO OF PAGES
1

REQUIREMENT CONTROL SYMBOL
CSGLD-1047(R1)

SECTION I - CUSTOMER DATA

SECTION II - MAINTENANCE ACTIVITY DATA

1a. UIC CUSTOMER
W4VQA A

1b. CUSTOMER UNIT NAME
91st MP Det

1c. PHONE NO
531-6827

3a. WORK ORDER NUMBER (WOM)
00469

3b. SHOP

3c. PHONE NO

2a. SAMS-2 UIC/SAMS-I/TDA

2b. UTILIZATION CODE
0

2c. MCSR
Y

4a. UIC SUPPORT UNIT

4b. SUPPORT UNIT NAME

SECTION III - EQUIPMENT DATA

5. TYPE MNT REQ CODE
1

6. ID
A

7. NSN
1005012402136

15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (Enter code)
See DA Pamphlets 738-750 and 738-751
F

15b. FIRST INDICATION OF TROUBLE/HOW RECOGNIZED CODE (Enter Code)
See DA Pamphlets 738-750 and 738-751
387

16. MILES/KILOMETERS/HOURS/ROUNDS
M
K
H
R

8. MODEL
M24

9. NOUN
RIFLE (SNIPER) 7.62 mm

10a. ORG WON/DOC NO

10b. EIC

11. SERIAL NUMBER
64911432

12. QTY
1

13. PD
62

17. PROJECT CODE (if assigned)

18. ACCOUNT PROCESSING CODE

19. IN WARRANTY? (enter Y or N)

20. ADMIN NO

14. MALFUNCTION DESCRIPTION (for DSU, GSUI/AVIM, DEPOT use)

21. REIMBURSABLE CUSTOMER (if Intransit customer enter Y or N)

22. LEVEL OF WORK

23. SIGNATURE
T.I. For Turn-IN

24. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURES IN EQUIPMENT TM (Do not prescribe repairs)
Complete Refurbish
Proc: Sgt Darden X10822

25. REMARKS

26. TECHNICAL REFERENCES

SECTION IV - TASK REQUIREMENTS DATA

27a. FILE INPUT ACT CD

27b. TASK NO
01

27c. ACT CODE

27d. TASK DESCRIPTION

27e. QTY TO BE RPR

27f. WORK CENTER

27g. FAILURE CODE

27h. MH PROJ

27i. MH EXP

SECTION V - PART REQUIREMENTS

28a. FILE INPUT ACT CD

28b. TASK NO

28c. ID NO

28d. NSN OR PART NUMBER

28e. SFX CD

28f. QTY RQD

28g. QTY ISSUED

28h. NMCS CD

28i. FAILURE CODE

28j. STORAGE LOCATION

28k. INITIALS

28l. COST \$

28m. TOTAL MANHOURS

28n. TOTAL MANHOURS COSTS \$

28o. TOTAL PARTS COSTS \$

SECTION VI - COMPLETION DATA

29. QTY RPR

30. QTY CONDEMN

31. QTY NRTS

32. EVAC WON

33. EVAC UNIT NAME

SECTION VII - ACTION SIGNATURES

34a. SUBMITTED BY
[Signature]

35a. ACCEPTED BY

35c. DATE

36a. WORK STARTED BY

37a. INSPECTED BY

38a. PICKED UP BY

34b. DATE
10/43

35b. STATUS

35d. TIME

36b. STATUS

36c. DATE

36d. TIME

37b. STATUS

37c. DATE

37d. TIME

38b. STATUS

38c. DATE

38d. TIME

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

DU PONT
REG. U.S. PAT. & TM. OFF

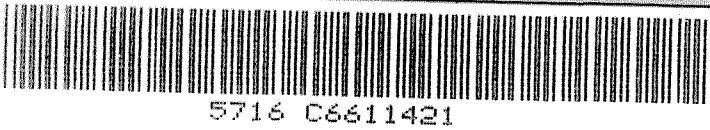
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700TM M24

SERIAL NO.
C6611421

ORDER NO.
5716

20



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611421

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/18/91	KS.
600	Proof		3/18/91	KS.
607	Check Headspace		3/18/91	KS.
610	Dis-assemble Gun		3/18/91	KS.
612	Magnaflux Barrel Action		3/28/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS.
617	Drill and Tap Sight Holes	APR	3 1991	LB
618	Polish Barrel	APR	3 1991	WB
620	Apply Coatings (Barrel Action)		4-19-91	JS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/24/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/24/91	KS
	C) Inspect Ejector Hole for Chamfer		4/24/91	KS
	D) Oil Firing Pin Ass'y		4/24/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5/4/91	JS

op. #	BARBER M24 0076561	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/6/91	JK
	G) Safety Off Force	3	3	3			5/6/91	JK
	H) Trigger Pull Test & Retainability						5/6/91	JK
	I) Firing Pin Indent	.021	.0215	.0215			5/6/91	JK
	J) Assemble Stock						5/4/91	KS
	K) Assemble Swivel Studs						5-18-91	DH
	L) Attach Front and Rear Sight Assemblies						5/6/91	KS
	M) Iron Sight Alignment						5/6/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/6/91	KS
	O) Attach Scope to Rifle						5/6/91	KS
	P) Detach & Attach Scope 20 Times						5/6/91	KS
640	Gallery Target & Test						5/6/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						5/6/91	KT
655	Final Inspection							
	A) Headspace						5-18-91	DH
	B) Trigger Pull	2.18	2.15	2.18	2.17	2.22	5/9/91	JK
	C) Function						5-18-91	DH
660	Pack						6-18-91	NF

AVERAGE PULL FORCE, BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06611421

DATE 5/6/91

TESTER [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.52	2.51	2.18	MIN. SETTING, NO. AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.57	2.50	2.15	
PULL #3	2.50	2.54	2.53	2.18	
PULL #4	2.52	2.54	2.48	2.17	
PULL #5	2.54	2.54	2.52	2.22	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.28		
PULL #2	3.32	3.34		
PULL #3	3.34	3.35		
PULL #4	3.31	3.32		
PULL #5	3.32	3.30		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.48	4.43		4.45
PULL #2	4.41	4.44		4.50
PULL #3	4.40	4.41		4.45
PULL #4	4.38	4.41		4.51
PULL #5	4.40	4.45		4.47
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611421
6 May 1991

CENTROIDAL DISTANCES

0 TO	1	.150426
1 TO	2	.265324
1 TO	3	.172569
1 TO	4	.113225
1 TO	5	.207425

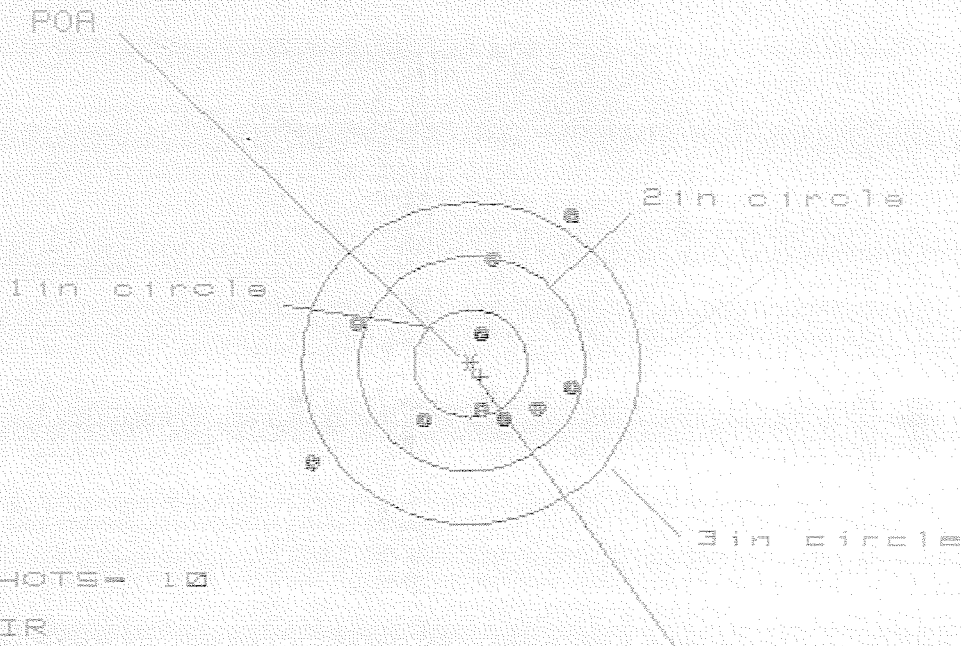
←---POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0348
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0692
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0774576
THE AMP FOR THIS RIFLE IS: 1.13

5 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611421.1

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 2.349

VS= 2.276

GS= 3.260

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.904	.744	.835
MINIMUM X	-1.445	-1.186	-1.095
MAXIMUM Y	1.363	1.262	1.002
MINIMUM Y	-.913	-.596	-.438
CENTROID X	-.088	.072	-.019
CENTROID Y	.122	.223	.065
POA TO CENTROID in.	.150	.234	.068
MIN RADIUS	.299	.197	.326
MEAN RADIUS	.894	.795	.685
MAX RADIUS	1.709	1.457	1.172
HORIZONTAL SPREAD	2.349	1.930	1.930
VERTICAL SPREAD	2.276	1.858	1.440
EXTREME SPREAD	3.260	2.295	2.025
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 7		
NUMBER IN THREE INCH CIRCLE	= 8		

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FILE:/PATTERNING/CENTERFIRE_PATT/C6611421.1

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 7

HS= 4.314

VS= 4.033

GS= 5.396

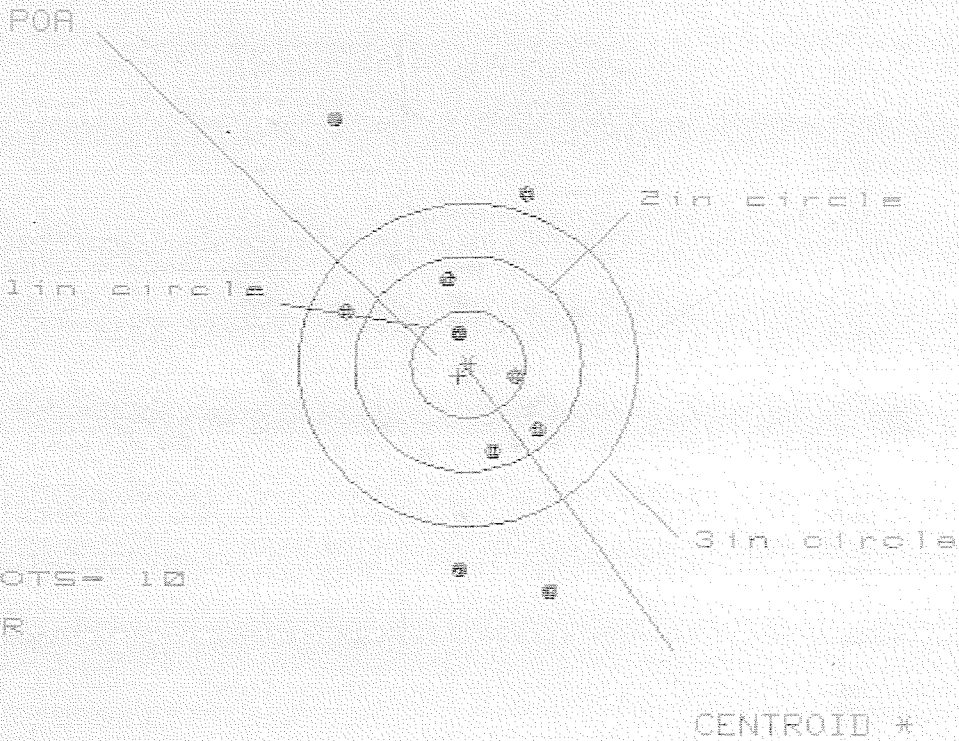
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.595	1.035	.956
MINIMUM X	-1.719	-1.430	-1.510
MAXIMUM Y	1.559	1.135	.840
MINIMUM Y	-2.534	-2.361	-1.719
CENTROID X	.046	-.243	-.164
CENTROID Y	-.107	-.280	.015
POA TO CENTROID in.	.117	.371	.164
MIN RADIUS	.065	.110	.215
MEAN RADIUS	1.231	1.018	.806
MAX RADIUS	3.028	2.444	1.519
HORIZONTAL SPREAD	4.314	2.465	2.465
VERTICAL SPREAD	4.093	3.496	1.559
EXTREME SPREAD	5.396	3.618	2.525
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	7	

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FILE:/PATTERNING/CENTERFIRE_PATT/C6611421.1

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 6

HS= 1.897

VS= 4.454

GS= 4.841

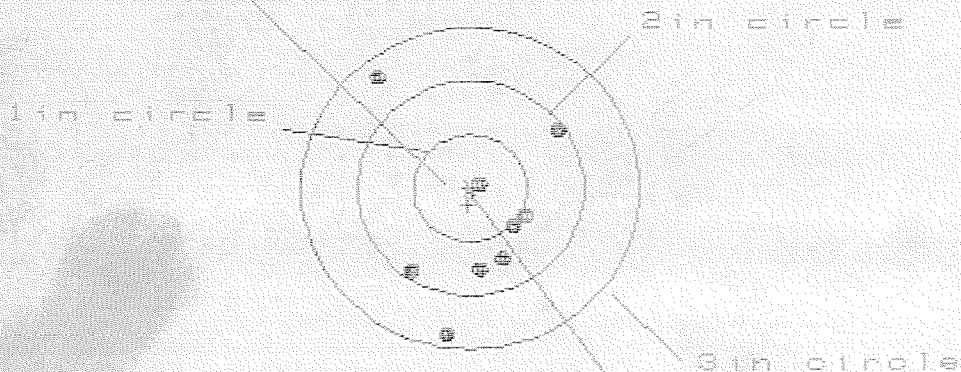
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.714	.583	.587
MINIMUM X	-1.183	-1.186	-1.113
MAXIMUM Y	2.325	1.863	1.630
MINIMUM Y	-2.129	-1.871	-1.870
CENTROID X	.084	.215	.142
CENTROID Y	.108	-.150	.084
POA TO CENTROID in.	.137	.262	.165
MIN RADIUS	.324	.303	.341
MEAN RADIUS	1.287	1.123	.998
MAX RADIUS	2.608	1.959	1.873
HORIZONTAL SPREAD	1.897	1.769	1.700
VERTICAL SPREAD	4.454	3.734	3.500
EXTREME SPREAD	4.841	3.739	3.545
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	6		

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FILE:/PATTERNING/CENTERFIRE_PATT/CG611421.1

CENTERFIRE PATTERNS # 4

POA



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 1.509

VS= 3.804

GS= 3.834

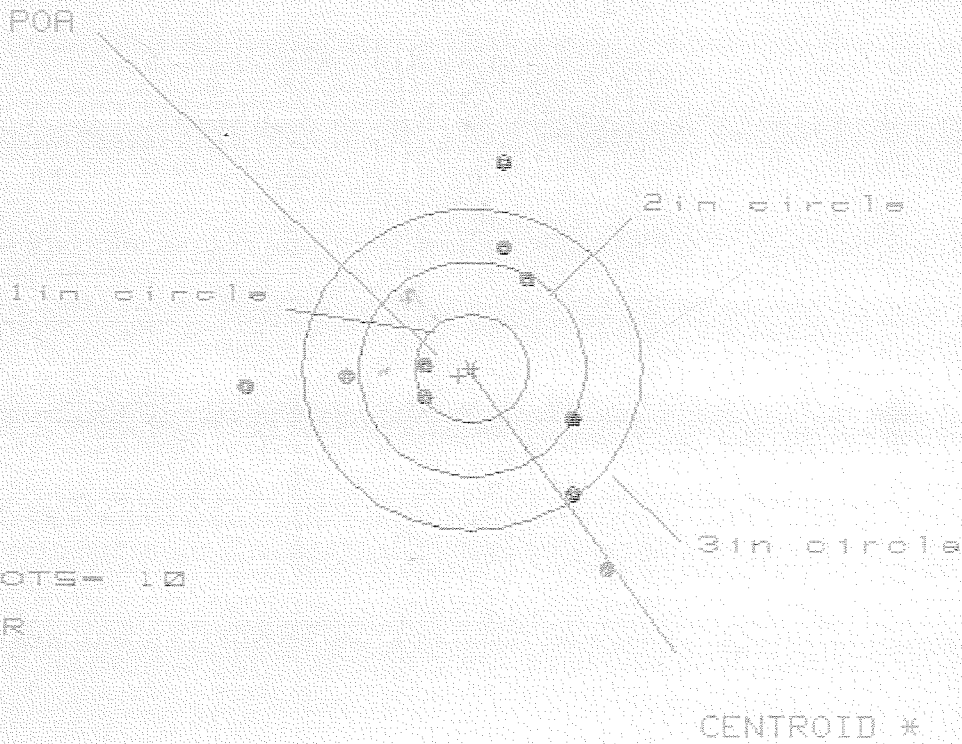
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.735	.658	.622
MINIMUM X	-.774	-.851	-.887
MAXIMUM Y	2.479	1.298	1.167
MINIMUM Y	-1.325	-1.050	-.659
CENTROID X	.020	.097	.133
CENTROID Y	.156	-.119	.012
POA TO CENTROID in.	.158	.154	.133
MIN RADIUS	.142	.305	.236
MEAN RADIUS	.971	.717	.672
MAX RADIUS	2.573	1.552	1.466
HORIZONTAL SPREAD	1.509	1.509	1.509
VERTICAL SPREAD	3.804	2.348	1.826
EXTREME SPREAD	3.834	2.415	2.034
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

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FILE:/PATTERNING/CENTERFIRE_PATT/C8811421.1

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 3

3in = 7

HS= 3.196

VS= 3.723

GS= 3.831

PATTERN #	5	6	7
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.178	1.011	.775
MINIMUM X	-2.018	-1.887	-1.227
MAXIMUM Y	1.901	1.698	1.653
MINIMUM Y	-1.823	-1.361	-1.406
CENTROID X	.112	-.019	.216
CENTROID Y	.067	.269	.314
POA TO CENTROID in.	.130	.270	.381
MIN RADIUS	.382	.285	.518
MEAN RADIUS	1.265	1.142	1.050
MAX RADIUS	2.170	1.921	1.662
HORIZONTAL SPREAD	3.196	2.898	2.003
VERTICAL SPREAD	3.723	3.059	3.059
EXTREME SPREAD	3.831	3.110	3.110
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		