

C6611421

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smead

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

nagletj

6/13/2006

10:39 AM

CAPS

NUM

INS

SCRL

start

e3 Int...

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

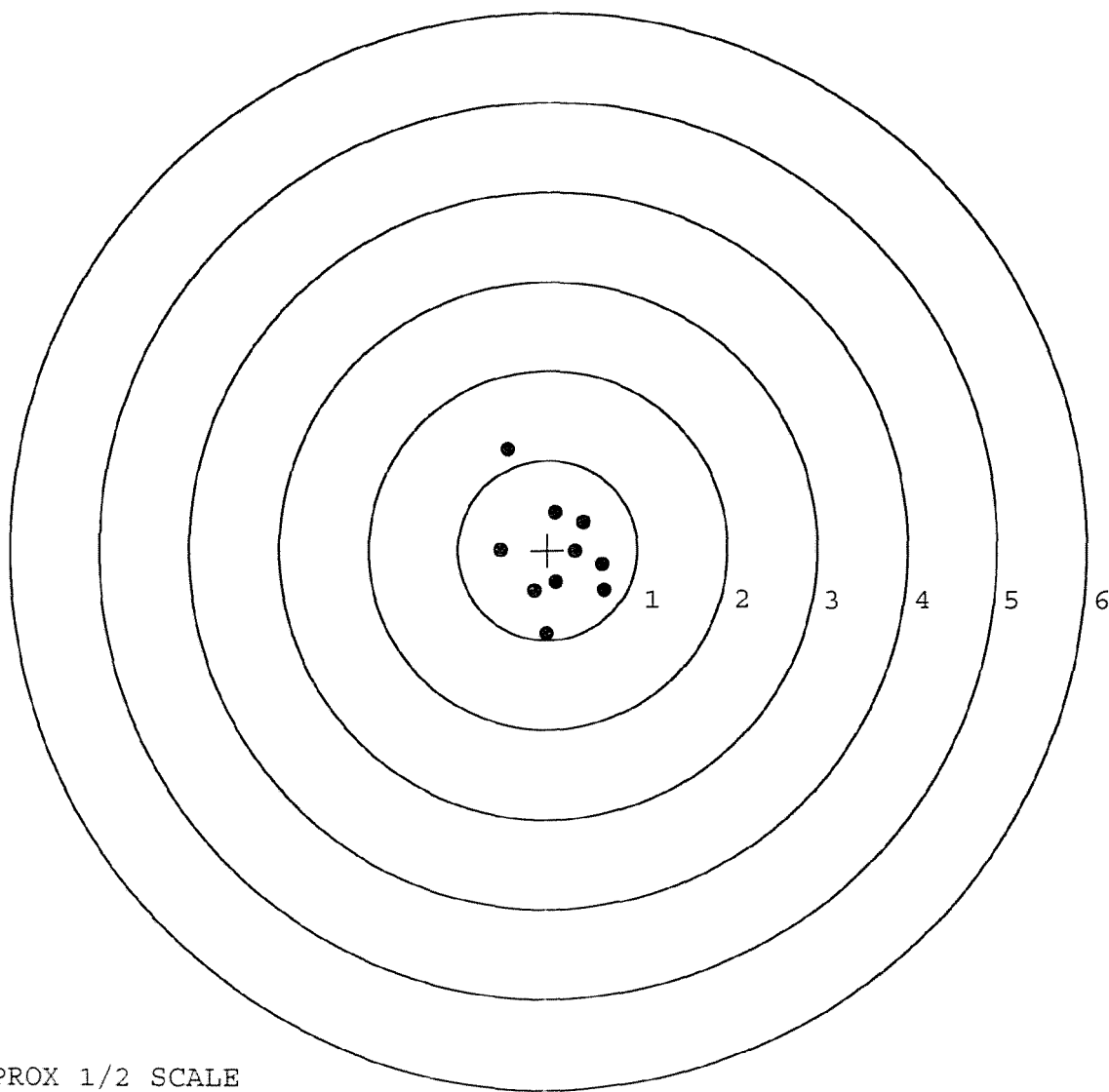
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

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

SERIAL NUMBER: C6611421. __0
TARGET NUMBER: 1
FILE DATE: 06/27/2006
FILE TIME: 17:58

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

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

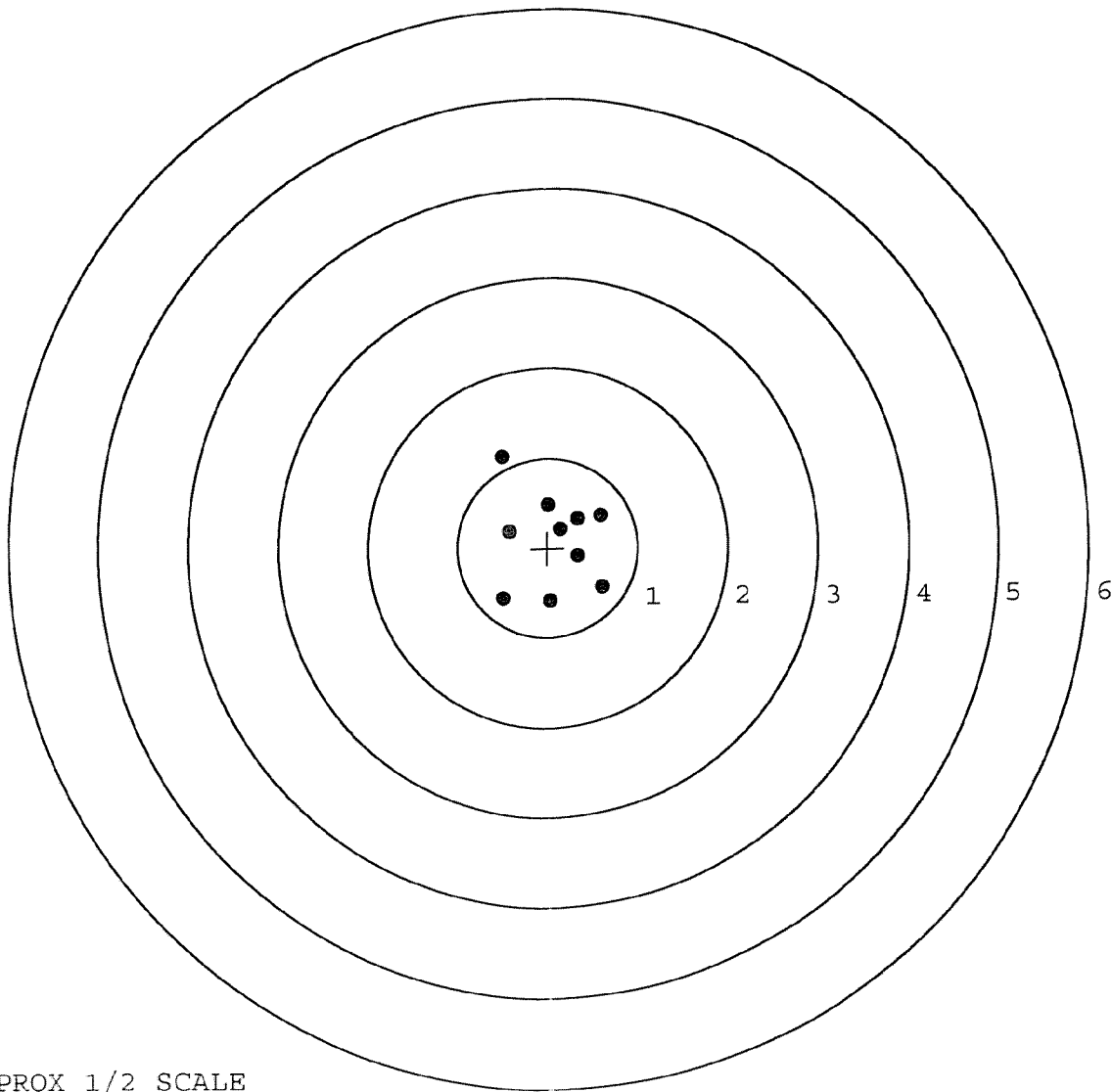


TARGET APPROX 1/2 SCALE

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

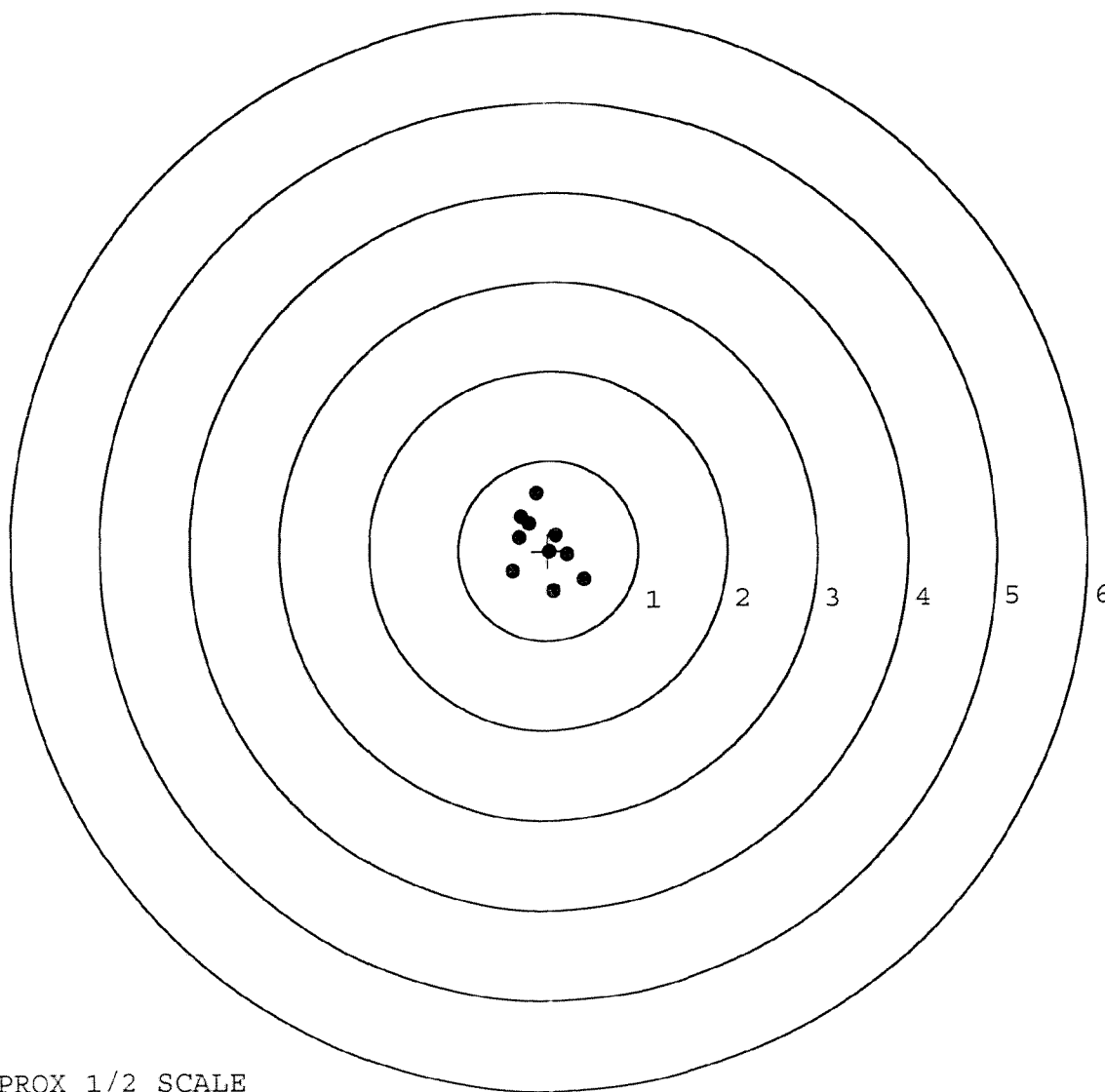


TARGET APPROX 1/2 SCALE

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

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

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

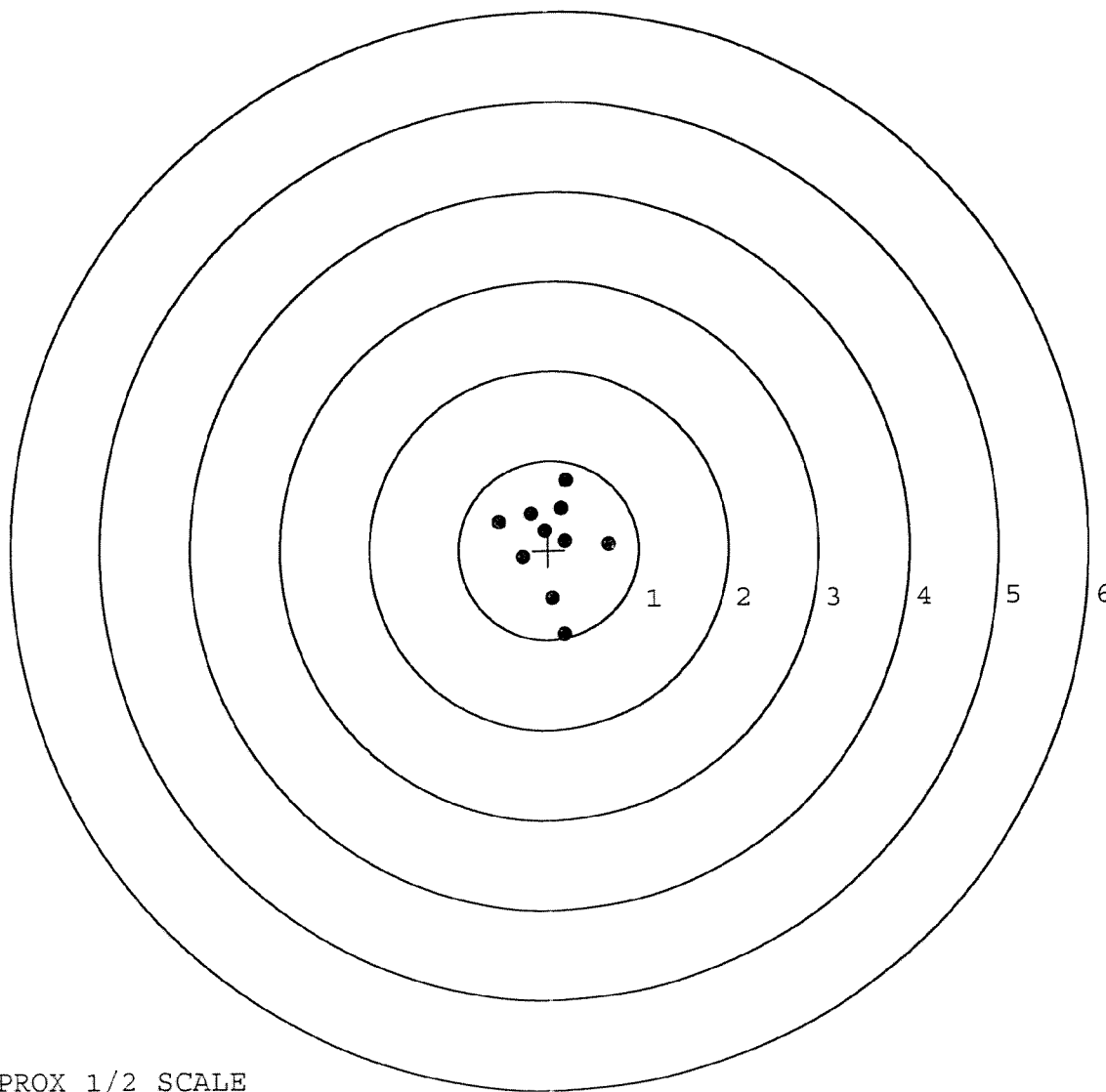


TARGET APPROX 1/2 SCALE

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

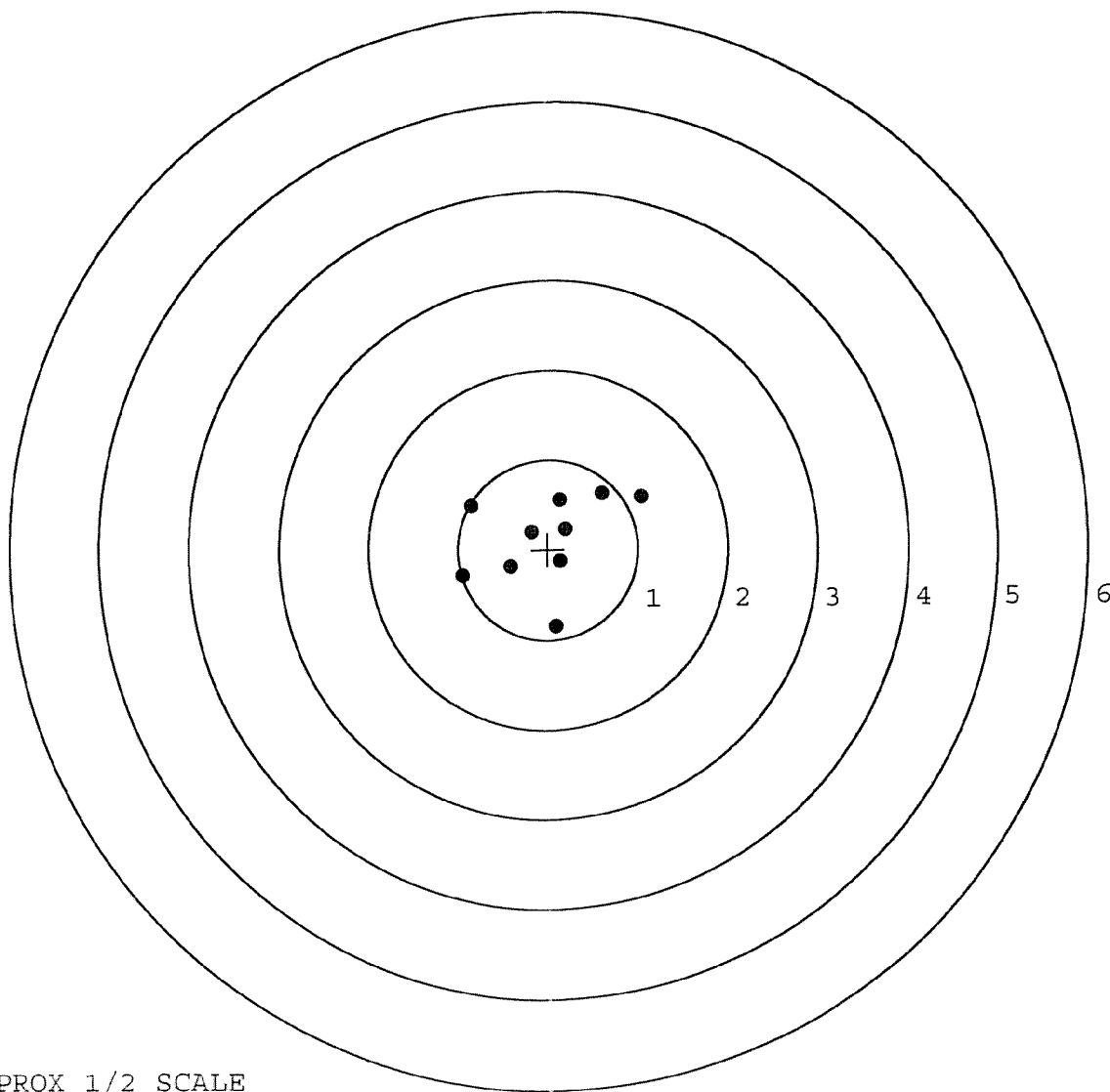


TARGET APPROX 1/2 SCALE

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

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

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



TARGET APPROX 1/2 SCALE

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)

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

M-24
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	RJL
505	RE-BARREL	6-22-06	RJL
420	ASSEMBLE	6-22-06	RJL
440	PROOF	6-23-06	TRW
460	CHECK HEADSPACE	6-23-06	TRW
470	DIS-ASSEMBLE GUN	6-23-06	RJL
480	MAGNAFLUX	6-23-06	unsub
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	RJC
640	FUNCTION TEST AND	6-27-06	S.P.D.
650	TARGET	6-27-06	S.P.D.
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	6-28-06	AC
	A) HEADSPACE	6-28-06	AC
	B) TRIGGER PULL	2.60 2.42 2.42 2.23 2.33	AC
680	F) SAFETY ON FORCE	8/16s 8/16s 8/16s	AC
	G) SAFETY OFF FORCE	6/16s 6/16s 6/16s	AC
	I) FIRING PIN INDENT	.023 .023 .023	AC
690	PACK	6-29-06	RA

F006 REV 5/2006

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

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

DA FORM 2404, APR 79

Replaces edition of 1 Jan 64, which will be used

.....

[illegible]

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

DA FORM 2404, APR 79

Replaces edition of 1 Jan 64, which will be used

7292 • J. Neurosci., September 24, 2008 • 28(39):7287–7292

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

DA FORM 2404, APR 79

Replaces edition of 1 Jan 64, which will be used

USARP 11.10

Remington
 MODEL 700™ M24

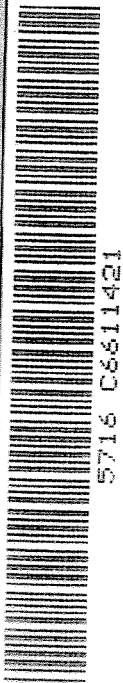
VERY IMPORTANT:
 Instruction Book
 enclosed to assure
 safe use of this
 firearm.

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

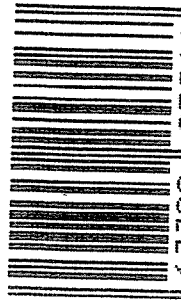
SERIAL NO.
 C8611421

ORDER NO.
 5716

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



UPC



0 47700 25716 7

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		11	KR
615	Rollmark Caliber		11	LS.
617	Drill and Tap Sight Holes	APR	3 1991	AB
618	Polish Barrel	APR	3 1991	WB
620	Apply Coatings (Barrel Action)		4-18-91	TS
	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. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/6/91	SL
	G) Safety Off Force	3	3	3			5/6/91	SL
	H) Trigger Pull Test & Retainability						5/6/91	SL
	I) Firing Pin Indent	.021	.0215	.0215			5/6/91	SL
	J) Assemble Stock						5/4/91	KS
	K) Assemble Swivel Studs						5-8-91	DH
	L) Attach Front and Rear Sight Assemblies						5/4/91	KS
	M) Iron Sight Alignment						5/4/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/4/91	KS
	O) Attach Scope to Rifle						5/4/91	KS
	P) Detach & Attach Scope 20 Times						5/4/91	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	SL
	C) Function						5-18-91	DH
660	Pack						6-18-91	NF

SWS TRIGGER PULL TEST

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 ² 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		4.45
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

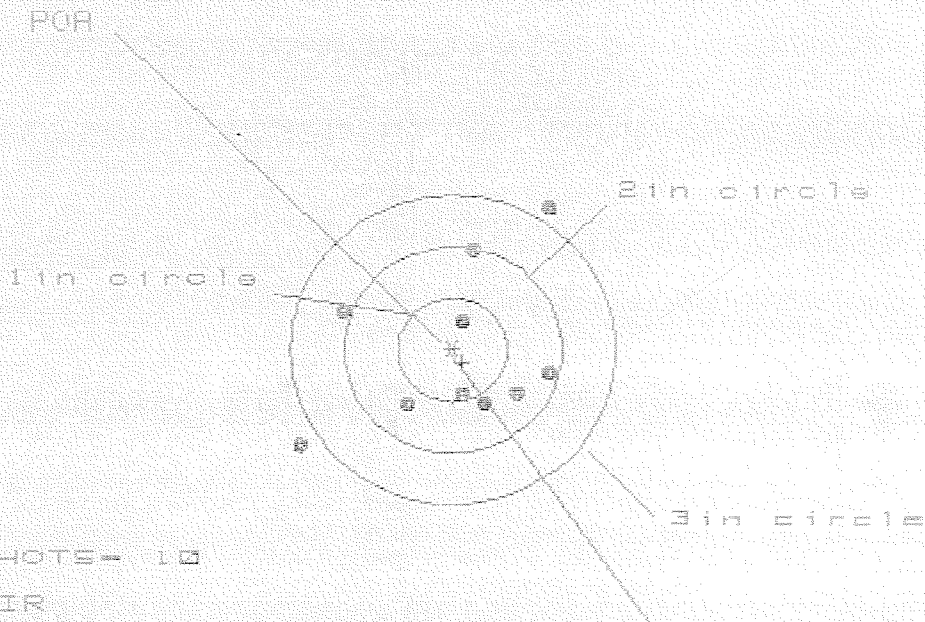
2 <----POA

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 AMR FOR THIS RIFLE IS: 1.13

6 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CG6611421.J

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.349

VS= 2.276

GS= 3.260

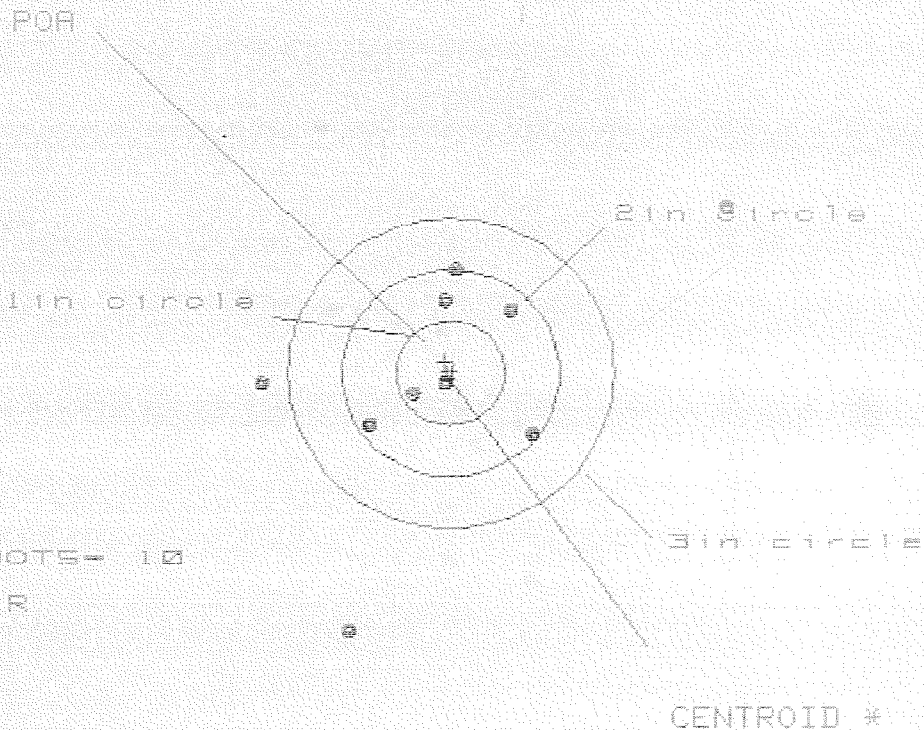
CENTROID #

PATTERN #	:	10	9	8
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	.069
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	2	2
NUMBER IN TWO INCH CIRCLE	=	7	7	7
NUMBER IN THREE INCH CIRCLE	=	8	8	8

6 May 1991

FILE: PATTERNING/CENTERFIRE_PATT/C0611421.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 7

HS= 4.314

VS= 4.093

GS= 5.396

PATTERN #

2

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

-.719

CENTROID X

.046

-.243

-.164

CENTROID Y

-.107

-.280

.015

POA TO CENTROID in.

.117

.371

.164

MIN RADIUS

.085

.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

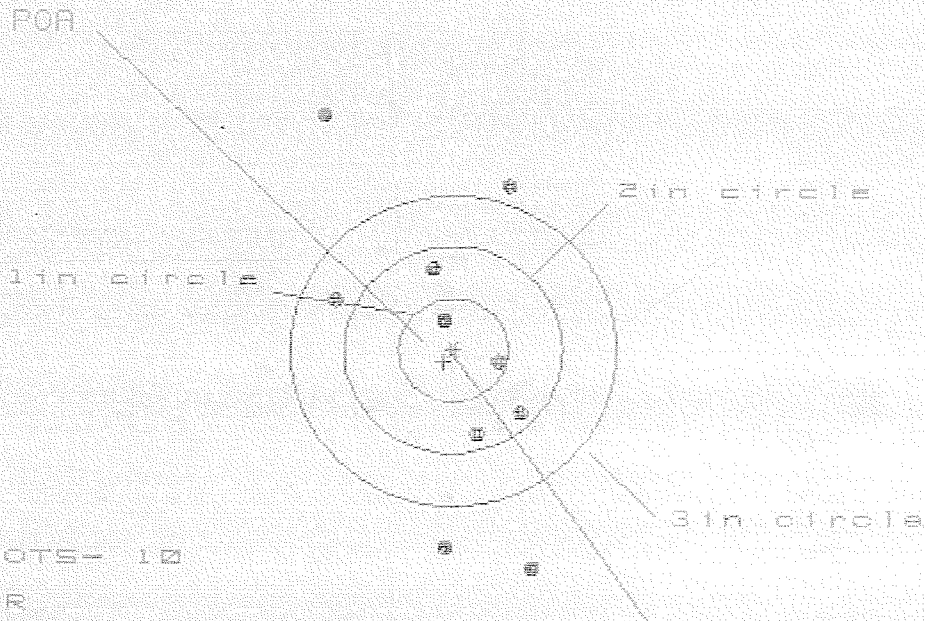
NUMBER IN THREE INCH CIRCLE =

7

5 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8511421.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 6

HS= 1.897

VS= 4.454

GS= 4.841

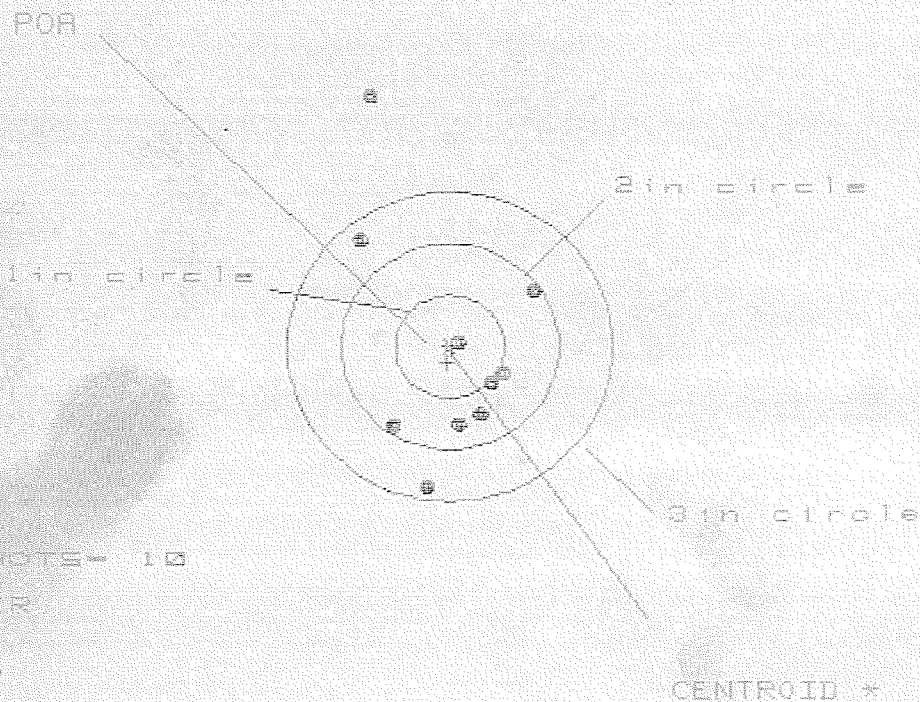
CENTROID *

PATTERN #	:	3		
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	1.638
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	

5 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611421.1

CENTERFIRE PATTERNS # 4



* OF SHOTS = 10

IN CIR

1in = 1

2in = 7

3in = 9

HS = 1.509

VS = 3.804

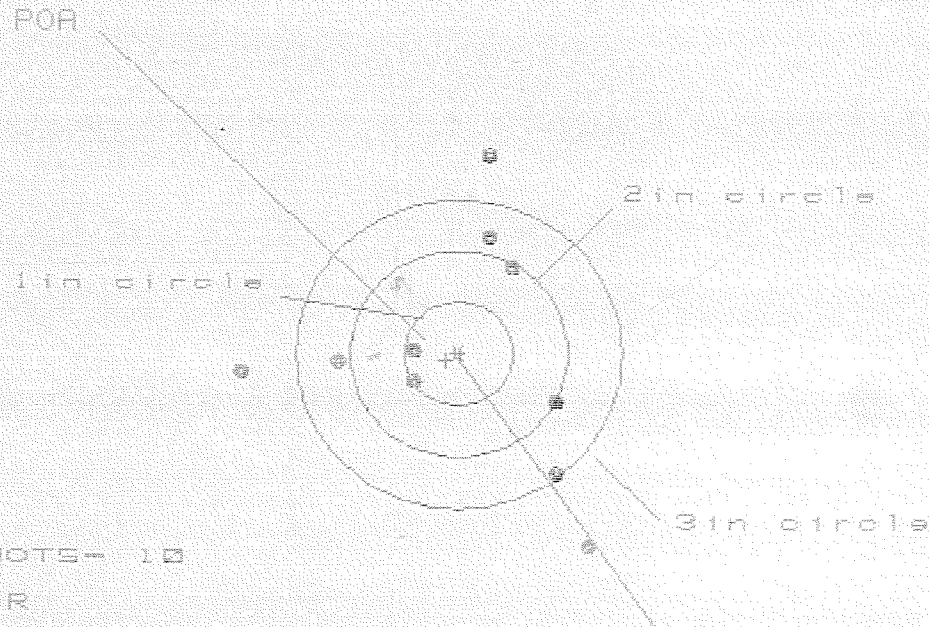
CS = 3.834

PATTERN #	:	10	9	8
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	7	9
NUMBER IN TWO INCH CIRCLE =	:	7	7	9
NUMBER IN THREE INCH CIRCLE =	:	9	7	9

6 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6811421.1

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

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	.510
MEAN RADIUS	1.265	1.142	1.050
MAX RADIUS	2.170	1.921	1.662
HORIZONTAL SPREAD	3.196	2.899	2.083
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		