

C6611379

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Address Information

[illegible]

Repair Search

Refresh

Close

	naqletj	6/19/2006	11:37 AM	CAPS	NUM	INS	SCRL
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Serial Number: C6611379

Model: M24 SWS



RE00113639

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611379.__0

FILE DATE AND TIME: 06/28/2006 17:40

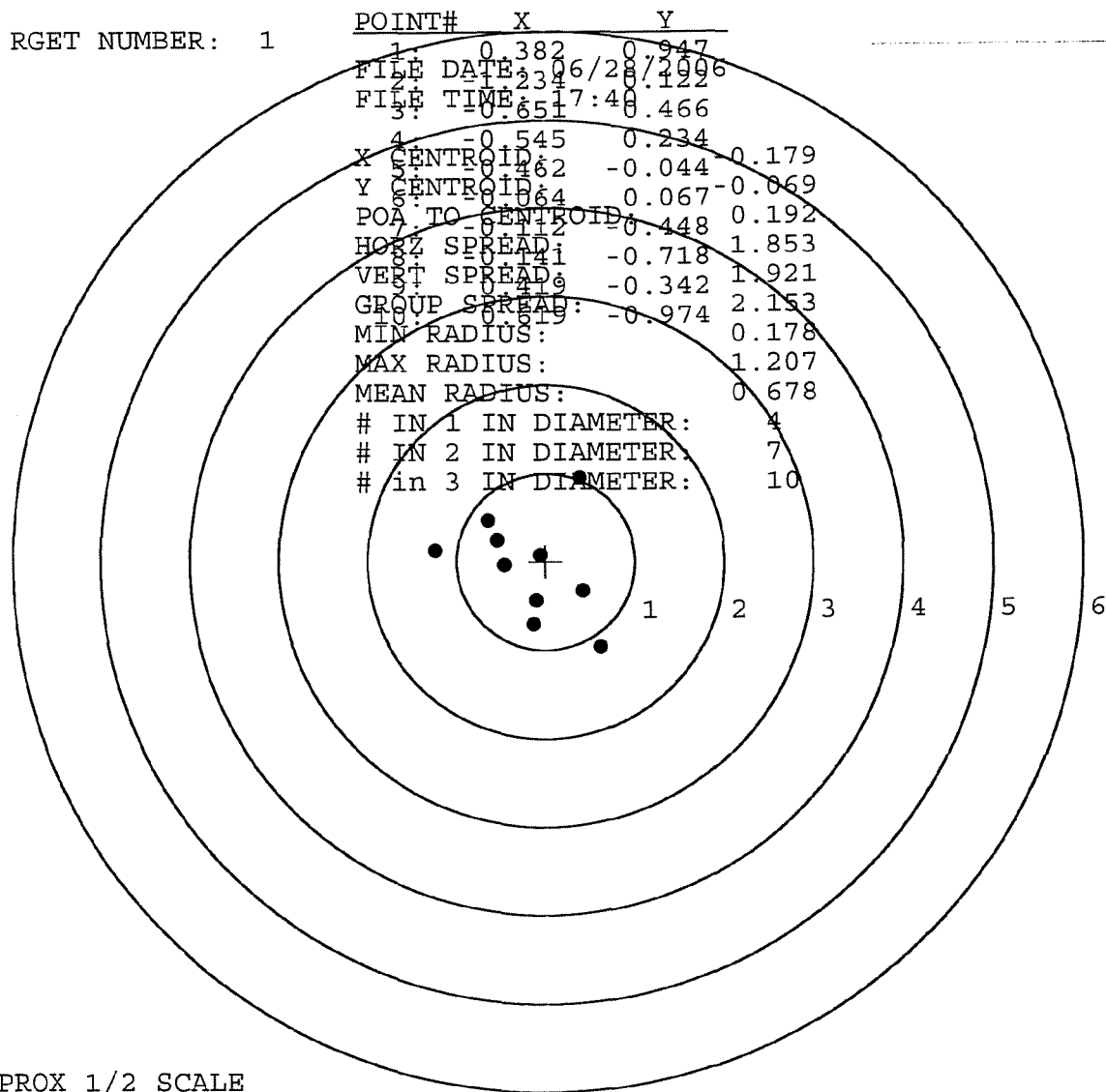
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.128
The Average Y Centroid of the Five Target Set:	-0.018
The Average Point of Impact of the Five Target Set:	0.130
The Average Mean Radius of the Five Target Set:	0.648
The Distance from POA to Centroid Target #1:	0.192
The Distance from Centroid Target #2 to Centroid Target #1:	0.080
The Distance from Centroid Target #3 to Centroid Target #1:	0.215
The Distance from Centroid Target #4 to Centroid Target #1:	0.100
The Distance from Centroid Target #5 to Centroid Target #1:	0.085

SERIAL NUMBER: C6611379. __0
 TARGET NUMBER: 2
 FILE DATE: 06/28/2006
 FILE TIME: 17:40

X CENTROID: -0.112
 Y CENTROID: -0.113
 POA TO CENTROID: 0.159
 HORZ SPREAD: 1.207
 VERT SPREAD: 1.922
 GROUP SPREAD: 2.068
 MIN RADIUS: 0.293
 MAX RADIUS: 1.119
 MEAN RADIUS: 0.594
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

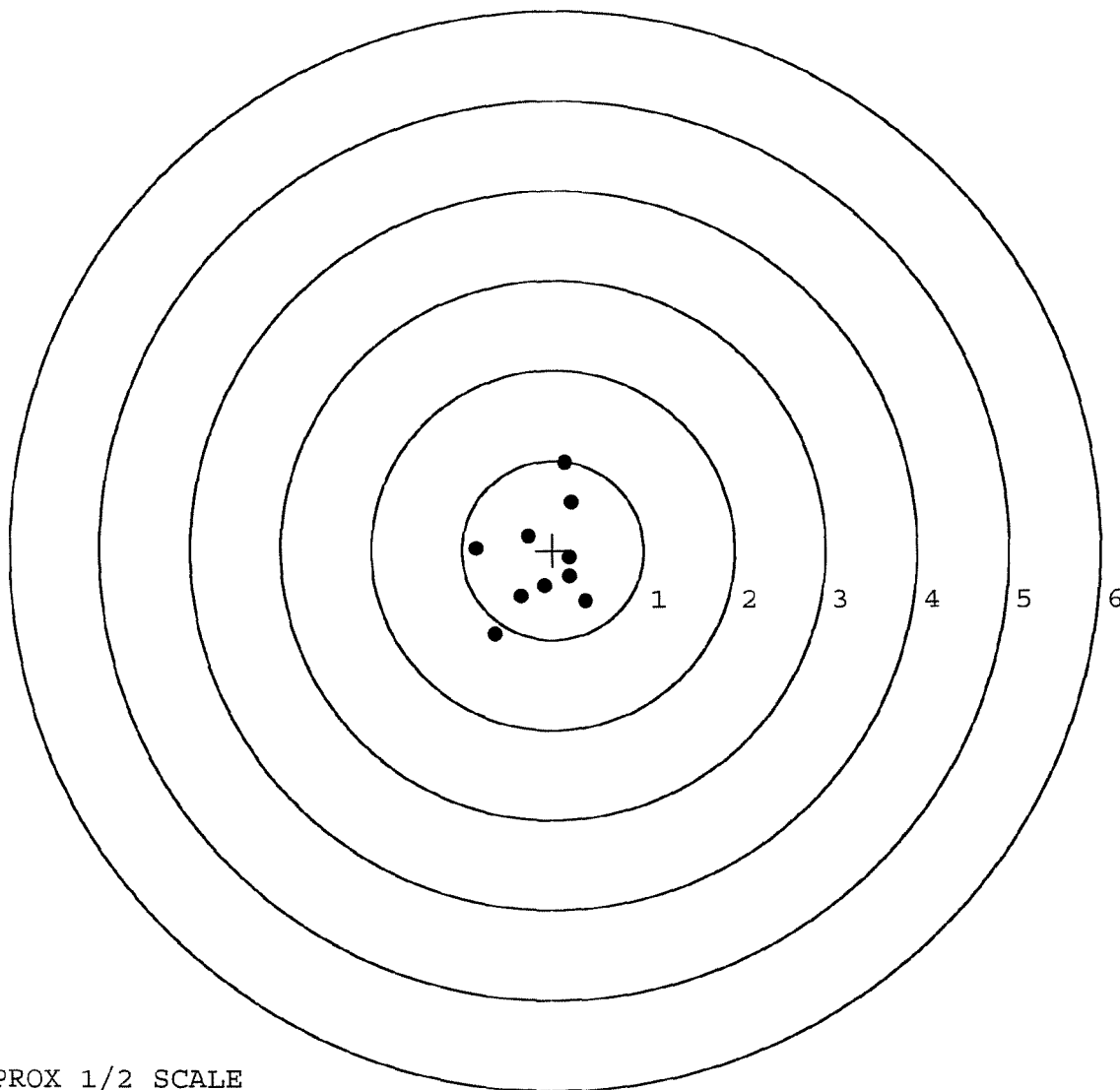
POINT#	X	Y
1:	0.131	0.979
2:	0.200	0.534
3:	-0.270	0.156
4:	-0.841	0.017
5:	-0.633	-0.943
6:	-0.349	-0.522
7:	-0.090	-0.405
8:	0.186	-0.081
9:	0.180	-0.294
10:	0.366	-0.573



SERIAL NUMBER: C6611379. __0
TARGET NUMBER: 2
FILE DATE: 06/28/2006
FILE TIME: 17:40

X CENTROID: -0.112
Y CENTROID: -0.113
POA TO CENTROID: 0.159
HORZ SPREAD: 1.207
VERT SPREAD: 1.922
GROUP SPREAD: 2.068
MIN RADIUS: 0.293
MAX RADIUS: 1.119
MEAN RADIUS: 0.594
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.131	0.979
2:	0.200	0.534
3:	-0.270	0.156
4:	-0.841	0.017
5:	-0.633	-0.943
6:	-0.349	-0.522
7:	-0.090	-0.405
8:	0.186	-0.081
9:	0.180	-0.294
10:	0.366	-0.573



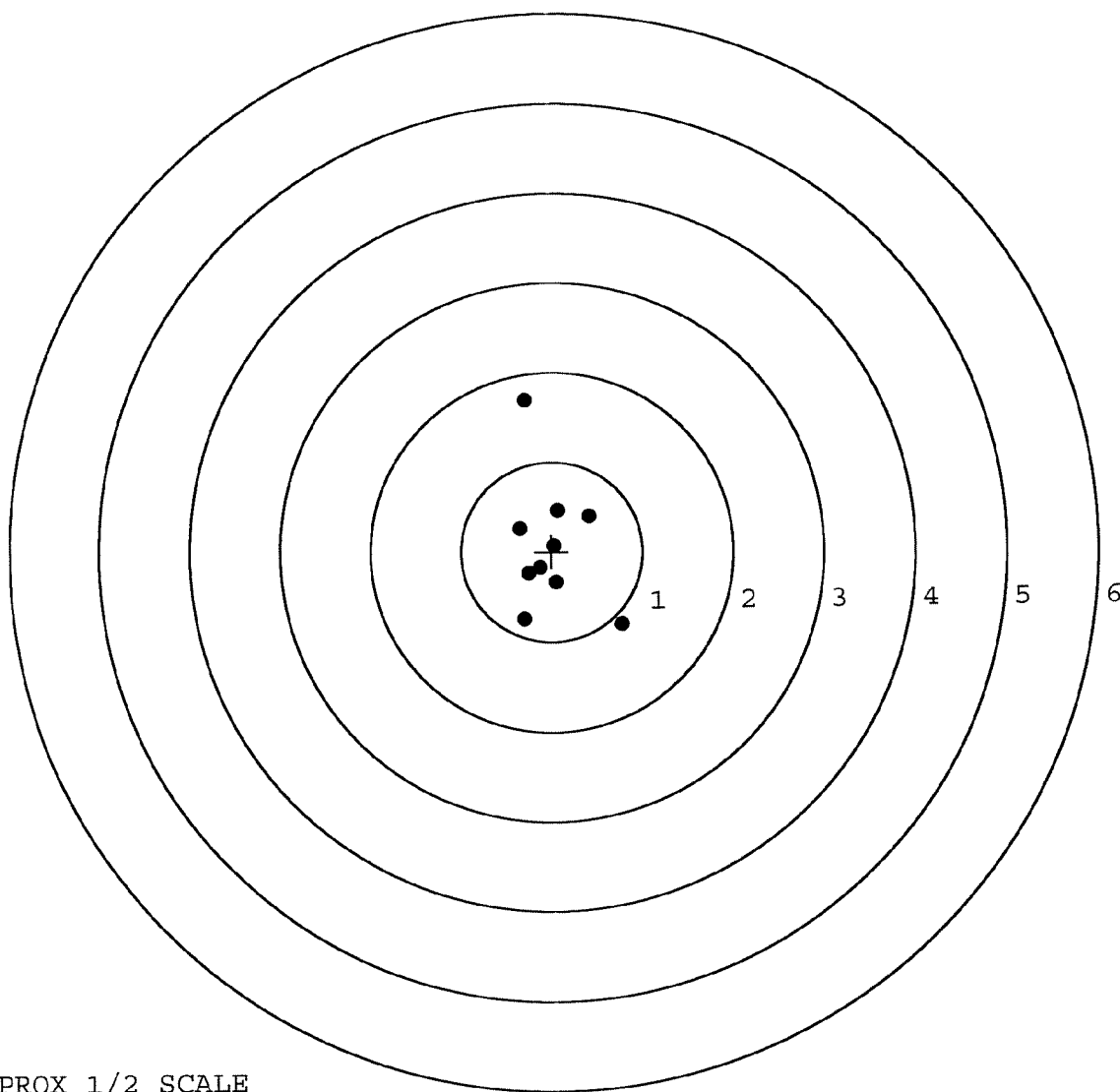
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611379.____0
TARGET NUMBER: 3
FILE DATE: 06/28/2006
FILE TIME: 17:40

X CENTROID: 0.000
Y CENTROID: 0.050
POA TO CENTROID: 0.050
HORZ SPREAD: 1.122
VERT SPREAD: 2.505
GROUP SPREAD: 2.721
MIN RADIUS: 0.035
MAX RADIUS: 1.665
MEAN RADIUS: 0.615

IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.293	1.689
2:	0.073	0.456
3:	0.414	0.389
4:	-0.352	0.259
5:	0.033	0.062
6:	-0.257	-0.251
7:	0.053	-0.347
8:	-0.311	-0.757
9:	0.770	-0.816
10:	-0.128	-0.186

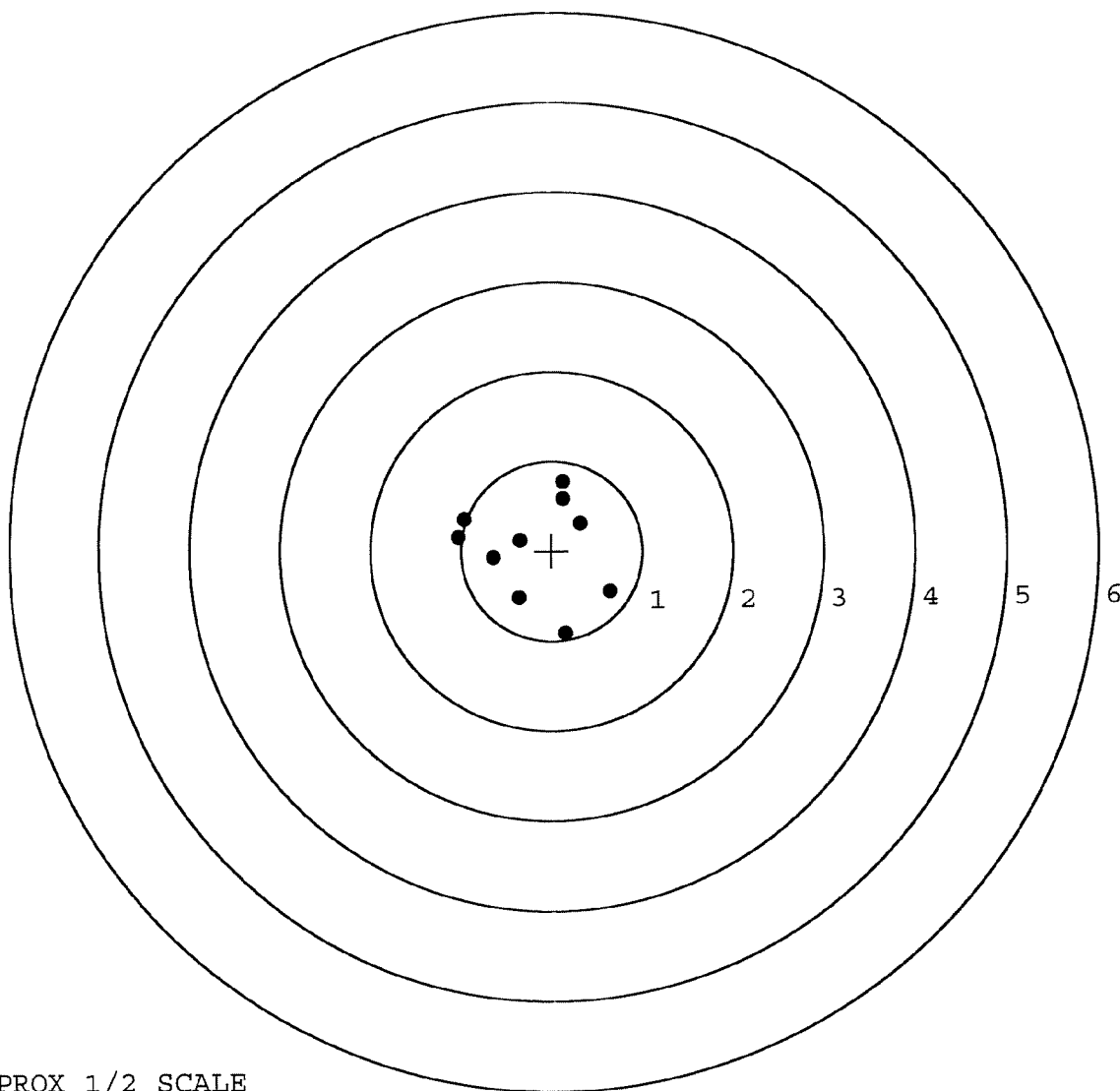


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611379. __0
TARGET NUMBER: 4
FILE DATE: 06/28/2006
FILE TIME: 17:40

X CENTROID: -0.197
Y CENTROID: 0.030
POA TO CENTROID: 0.199
HORZ SPREAD: 1.674
VERT SPREAD: 1.692
GROUP SPREAD: 1.692
MIN RADIUS: 0.174
MAX RADIUS: 1.012
MEAN RADIUS: 0.690
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.960	0.352
2:	-1.030	0.159
3:	-0.645	-0.079
4:	-0.349	0.114
5:	-0.360	-0.521
6:	0.151	-0.921
7:	0.644	-0.460
8:	0.319	0.305
9:	0.131	0.577
10:	0.131	0.771

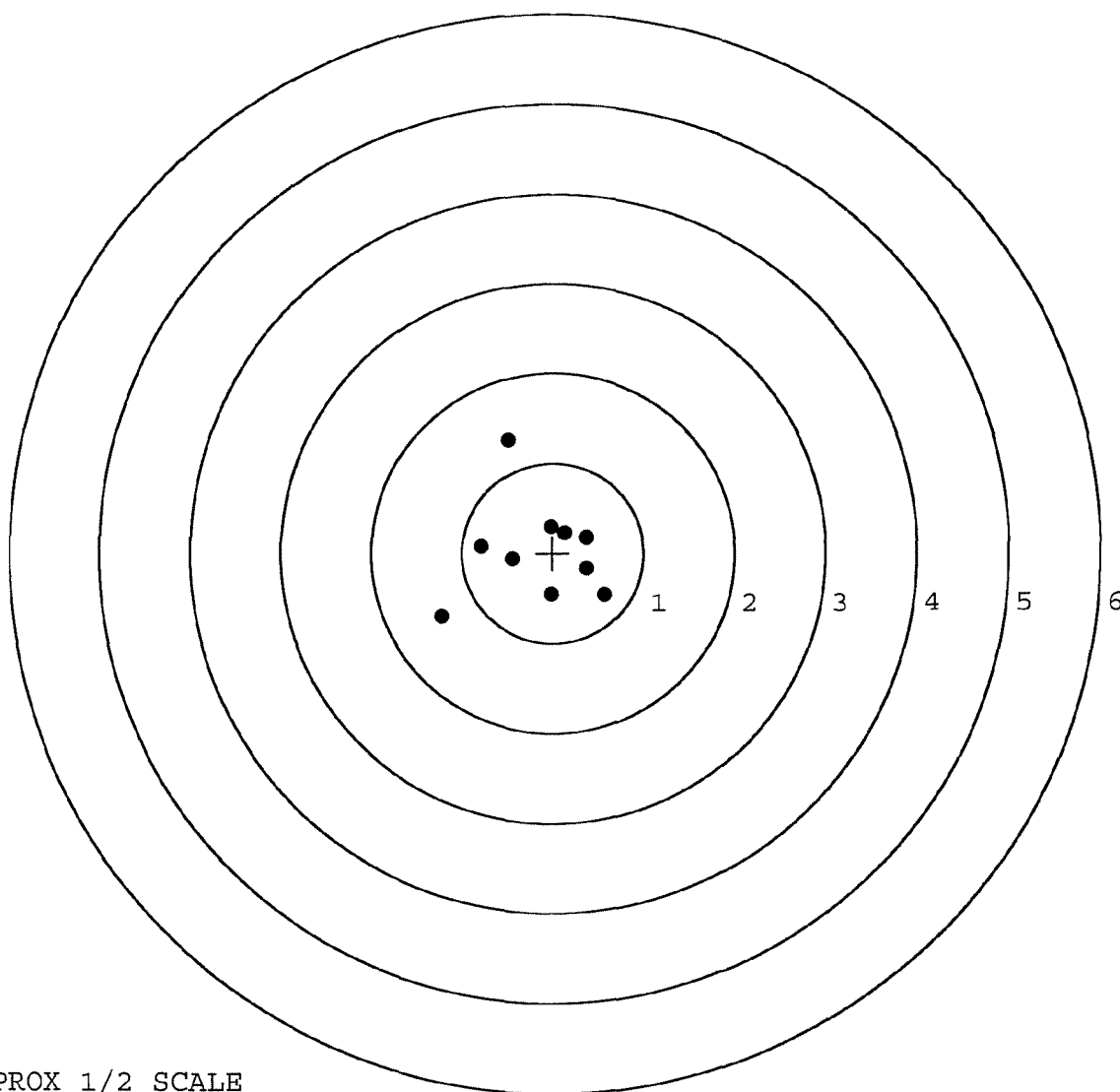


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611379.___0
TARGET NUMBER: 5
FILE DATE: 06/28/2006
FILE TIME: 17:40

X CENTROID: -0.154
Y CENTROID: 0.013
POA TO CENTROID: 0.155
HORZ SPREAD: 1.792
VERT SPREAD: 1.971
GROUP SPREAD: 2.103
MIN RADIUS: 0.301
MAX RADIUS: 1.292
MEAN RADIUS: 0.665
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.491	1.260
2:	-1.224	-0.711
3:	-0.786	0.067
4:	-0.444	-0.069
5:	-0.014	-0.462
6:	-0.021	0.288
7:	0.130	0.226
8:	0.368	0.171
9:	0.374	-0.177
10:	0.568	-0.467



M-24
INSPECTION CHECKLIST - REPAIRS
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	113639		
SERIAL NUMBER	C6611379		
LOG-IN DATE	6-19-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-21-06	RR
505	RE-BARREL	6-22-06	RTZ
420	ASSEMBLE	6-22-06	RTZ
440	PROOF	6-23-06	TRW
460	CHECK HEADSPACE	6-23-06	TRW
470	DIS-ASSEMBLE GUN	6-23-06	RTZ
480	MAGNAFLUX	6-23-06	TRW
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	TRW
560	FINAL ASSEMBLY	6-27-06	RTZ
640	FUNCTION TEST AND	PASS FAIL	6-28-06 L.P.D.
650	TARGET	PASS FAIL	6-28-06 L.P.D.
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	6-30-06	AC
	A) HEADSPACE	PASS FAIL	6-30-06 AC
	B) TRIGGER PULL	N/A	
680	F) SAFETY ON FORCE	5 lbs 5 lbs 5 lbs	AC
	G) SAFETY OFF FORCE	4 lbs 4 lbs 4 lbs	AC
	I) FIRING PIN INDENT	.021 .021 .021	AC
690	PACK	7-7-06	RTZ

F006 REV 5/2006

FINAL INSPECTION CHECKLIST

BARREL ASSEMBLY

BARREL

RECEIVER

FRONT SIGHT BASE

REAR SIGHT BASE

SCREWS

FINISH

STOCK ASSEMBLY

STOCK

SLING SWIVEL STUDS

BUTT PATE

LOCK NUTS

BARREL CLEARANCE

COLOR / FINISH

SCOPE ASSEMBLY

SCOPE

SCOPE RINGS

MOUNTING SCREWS

MOUNTING BASE

SCREWS

FINISH

CLARITY

SYSTEM CASE

SCOPE CASE

IRON SIGHTS

DEPLOYMENT KIT

TRIGGER ASSEMBLY

SAFETY OPERATION

RE-SET TO FACTORY
SPECS

COMMENTS: _____

F006 REV 5/2006

Remington[®]


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

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

MODEL 700TM H24	SERIAL NO. C6611379
	ORDER NO. 5716

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

20



5716 C6611379

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611379

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 25 91		RW
600	Proof	1 25 91		RW
607	Check Headspace	1 25 91		RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action	1 25 91		KR
	Magnaflux Bolt	1 25 91		KR
615	Rollmark Caliber	1 25 91		JS
617	Drill and Tap Sight Holes	1 30 91		LB
618	Polish Barrel RBB	1 30 91		WB
620	Apply Coatings (Barrel Action)		2-10-91	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		2/11/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/11/91	RW
	C) Inspect Ejector Hole for Chamfer		2/11/91	RW
	D) Oil Firing Pin Ass'y		2/11/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/16/91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			2/16/91	WB
	G) Safety Off Force	4	4	4			2/16/91	WB
	H) Trigger Pull Test & Retainability						2/16/91	RC
	I) Firing Pin Indent	.021	.0203	.0205			2/16/91	WB
	J) Assemble Stock						2/16/91	RW
	K) Assemble Swivel Studs						2-25-91	A
	L) Attach Front and Rear Sight Assemblies						2/16/91	RW
	M) Iron Sight Alignment						2/16/91	RW
	N) Detach Front & Rear Sights & place in numbered container						2/16/91	RW
	O) Attach Scope to Rifle						2/16/91	RW
	P) Detach & Attach Scope 20 Times						2/16/91	RW
640	Gallery Target & Test						2-18-91	A
	A) Time						"	A
	B) Malfunctions						"	A
	C) Pierced Primers						"	A
	D) Optical Clarity of Scope						"	A
645	Inspect for Live Ammo						2-18-91	A
655	Final Inspection							
	A) Headspace						2-25-91	A
	B) Trigger Pull	2.48	2.48	2.48	2.42	2.28	2/21/91	RC
	C) Function						2-25-91	A
660	Pack						3/14/91	WB

1. DISTANCE CALCULATIONS

RIFLE # C6611379

FEB 1991

CENTROIDAL DISTANCES

0 TO	1	.130969
1 TO	2	.0576975
1 TO	3	.451116
1 TO	4	.498663
1 TO	5	.197223

$\frac{1}{2} \times 10^4$ (----POA)

COORDINATE FOR THIS RIFLE IS: .0522

COORDINATE FOR THIS RIFLE IS: -.0846

AVERAGE POI RADIUS FOR THIS RIFLE IS: .0994882

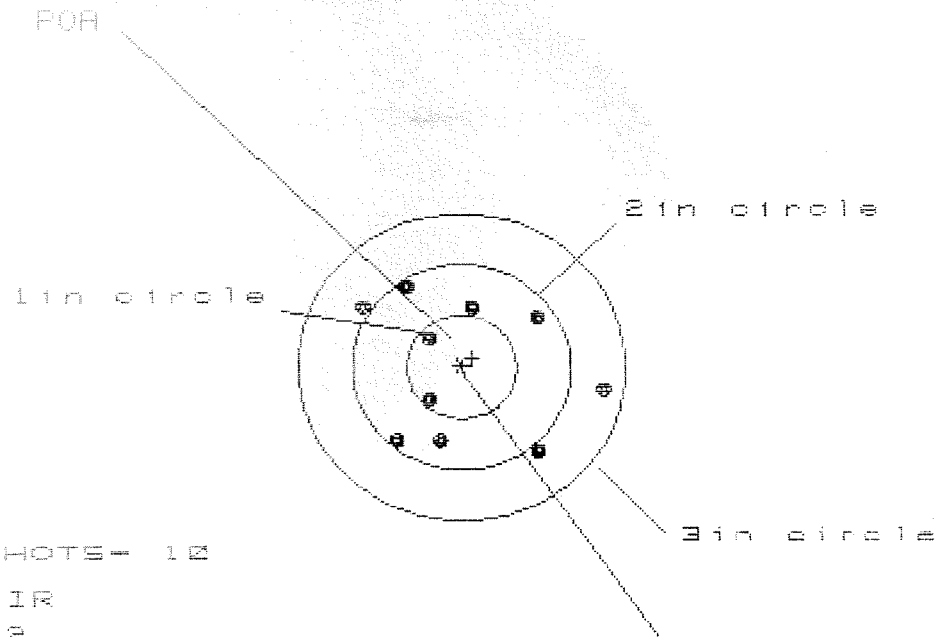
COORDINATE FOR THIS RIFLE IS: .0948

18 Feb 1951

FILE:/PATTERNING/CENTERFIRE_PATT/C8611373

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

CENTROID #

HS= 2.193

VS= 1.511

ES= 2.329

PATTERN #

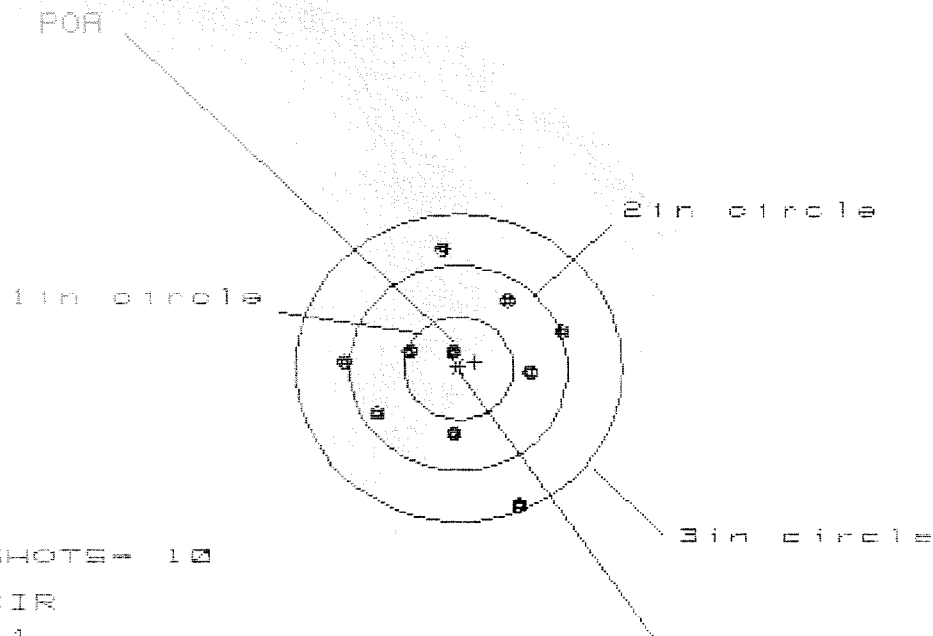
1

	10	9	8
SHOTS (FEET OF)			
MAXIMUM X	1.268	.837	.739
MINIMUM X	-.925	-.784	-.582
MEAN X	.749	.725	.794
MINIMUM Y	-.762	-.786	-.718
CENTROID X	-.097	-.238	-.140
CENTROID Y	-.088	-.064	-.133
POA TO CENTROID IN.	.131	.246	.193
MIN RADIUS	.390	.279	.340
MEAN RADIUS	.819	.745	.721
MAX RADIUS	1.286	1.119	1.062
HORIZONTAL SPREAD	2.193	1.621	1.321
VERTICAL SPREAD	1.511	1.511	1.511
EXTREME SPREAD	2.329	2.069	1.889
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

18 Feb 1991

FILE: PATTERNING/CENTERFIRE_PATT/C8611379

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 1

2in = 6

3in = 9

HS = 2.023

VS = 2.498

GS = 2.618

CENTROID *

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.954	1.021	1.005
MINIMUM X	-1.069	-1.002	-1.018
MAXIMUM Y	1.121	.967	.611
MINIMUM Y	-1.377	-.747	-.626
CENTROID X	-.149	-.216	-.200
CENTROID Y	-.063	.091	-.030
POR TO CENTROID in.	.162	.234	.203
MIN RADIUS	.209	.056	.173
MEAN RADIUS	.835	.735	.708
MAX RADIUS	1.501	1.033	1.044
HORIZONTAL SPREAD	2.023	2.023	2.023
VERTICAL SPREAD	2.498	1.714	1.237
EXTREME SPREAD	2.618	2.040	2.040
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

18 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611379

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 3.145

VS= 3.266

GS= 3.334

CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.299	1.232	1.233
MINIMUM X	-.846	-.913	-.912
MAXIMUM Y	1.653	1.204	1.026
MINIMUM Y	-1.613	-1.429	-1.039
CENTROID X	.128	.195	.194
CENTROID Y	-.479	-.663	-.485
POA TO CENTROID in.	.496	.691	.522
MIN RADIUS	.196	.361	.256
MEAN RADIUS	.982	.880	.807
MAX RADIUS	1.760	1.429	1.245
HORIZONTAL SPREAD	2.145	2.145	2.145
VERTICAL SPREAD	3.266	2.633	2.065
EXTREME SPREAD	3.334	2.669	2.214
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

18 Feb 1931

FILE:/PATTERNING/CENTERFIRE_PATT/C8611379

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 1.244

VS= 3.206

GS= 3.227

CENTROID #

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.821	.841	.911
MINIMUM X	-1.123	-1.103	-1.033
MAXIMUM Y	1.156	.928	.819
MINIMUM Y	-2.050	-1.131	-1.014
CENTROID X	.292	.272	.202
CENTROID Y	.224	.452	.335
POA TO CENTROID in.	.368	.527	.392
MIN RADIUS	.029	.209	.140
MEAN RADIUS	.856	.712	.649
MAX RADIUS	2.057	1.137	1.101
HORIZONTAL SPREAD	1.944	1.944	1.944
VERTICAL SPREAD	3.206	2.059	1.833
EXTREME SPREAD	3.227	2.106	2.048
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

18 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611379

CENTERFIRE PATTERNS

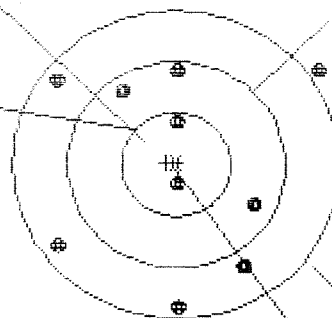
5

POA

1in circle

2in circle

3in circle



OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 3

HS = 2.346

VS = 2.389

GS = 2.882

CENTROID *

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.263

.809

.823

MINIMUM X

-1.083

-.943

-.929

MAXIMUM Y

.904

.983

.820

MINIMUM Y

-1.405

-1.305

-1.015

CENTROID X

.087

-.053

-.067

CENTROID Y

-.017

-.117

.046

POA TO CENTROID in.

.089

.129

.081

MIN RADIUS

.176

.165

.288

MEAN RADIUS

.982

.923

.856

MAX RADIUS

1.553

1.334

1.272

HORIZONTAL SPREAD

2.346

1.752

1.752

VERTICAL SPREAD

2.309

2.288

1.835

EXTREME	SPREAD :	2.982	2.484	2.470
NUMBER IN ONE	INCH CIRCLE	=	2	
NUMBER IN TWO	INCH CIRCLE	=	5	
NUMBER IN THREE	INCH CIRCLE	=	9	

SWS TRIGGER PULL TEST

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

SERIAL NO. C6611379

DATE 2/16/91

TESTER JH.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.28	2.23	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.24	2.34	2.48	
PULL #3	2.23	2.27	2.41	2.48	
PULL #4	2.27	2.32	2.30	2.42	
PULL #5	2.20	2.27	2.20	2.28	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.50		
PULL #2	3.29	3.42		
PULL #3	3.32	3.38		
PULL #4	3.36	3.40		
PULL #5	3.44	3.50		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.51		4.44
PULL #2	4.45	4.45		4.36
PULL #3	4.38	4.33		4.29
PULL #4	4.23	4.35		4.41
PULL #5	4.45	4.28		4.40
TOTAL				
AVG.				