

C661166Z

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Serial Number: C66 1 1 662

Model: M24 SWS



RE00092556

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611662.___0
FILE DATE AND TIME: 04/15/2005 08:41

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.148
The Average Y Centroid of the Five Target Set:	0.134
The Average Point of Impact of the Five Target Set:	0.200
The Average Mean Radius of the Five Target Set:	1.105
The Distance from POA to Centroid Target #1:	0.457
The Distance from Centroid Target #2 to Centroid Target #1:	0.212
The Distance from Centroid Target #3 to Centroid Target #1:	0.137
The Distance from Centroid Target #4 to Centroid Target #1:	0.829
The Distance from Centroid Target #5 to Centroid Target #1:	0.961

SERIAL NUMBER: C6611662. __0

TARGET NUMBER: 1

FILE DATE: 04/15/2005

FILE TIME: 08:41

POINT#	X	Y
1:	0.435	-1.299
2:	0.427	-0.830
3:	0.137	-0.412
4:	-0.239	0.319
5:	0.131	0.735
6:	-1.114	0.748
7:	-1.218	1.110
8:	-1.443	1.190
9:	0.921	0.854
10:	0.911	2.033

X CENTROID: -0.105

Y CENTROID: 0.445

POA TO CENTROID: 0.457

HORZ SPREAD: 2.364

VERT SPREAD: 3.332

GROUP SPREAD: 3.366

MIN RADIUS: 0.184

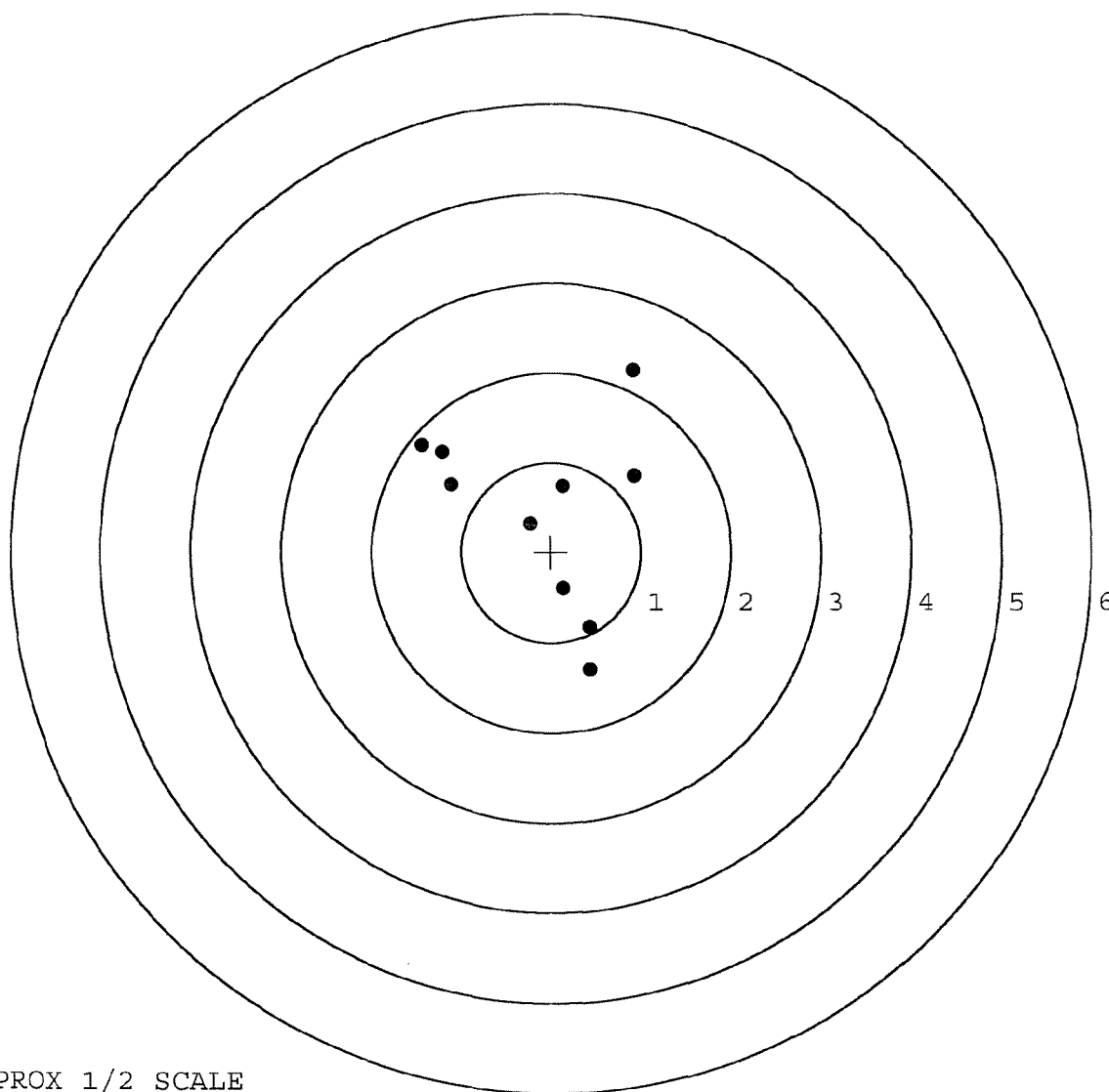
MAX RADIUS: 1.885

MEAN RADIUS: 1.153

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611662.___0

TARGET NUMBER: 2

FILE DATE: 04/15/2005

FILE TIME: 08:41

POINT#	X	Y
1:	1.927	1.122
2:	0.571	0.530
3:	-0.043	0.358
4:	-0.740	0.023
5:	0.160	-0.310
6:	0.239	-1.215
7:	-0.062	1.758
8:	-0.310	1.580
9:	-0.739	1.275
10:	-1.259	1.296

X CENTROID: -0.026

Y CENTROID: 0.642

POA TO CENTROID: 0.642

HORZ SPREAD: 3.186

VERT SPREAD: 2.973

GROUP SPREAD: 3.191

MIN RADIUS: 0.284

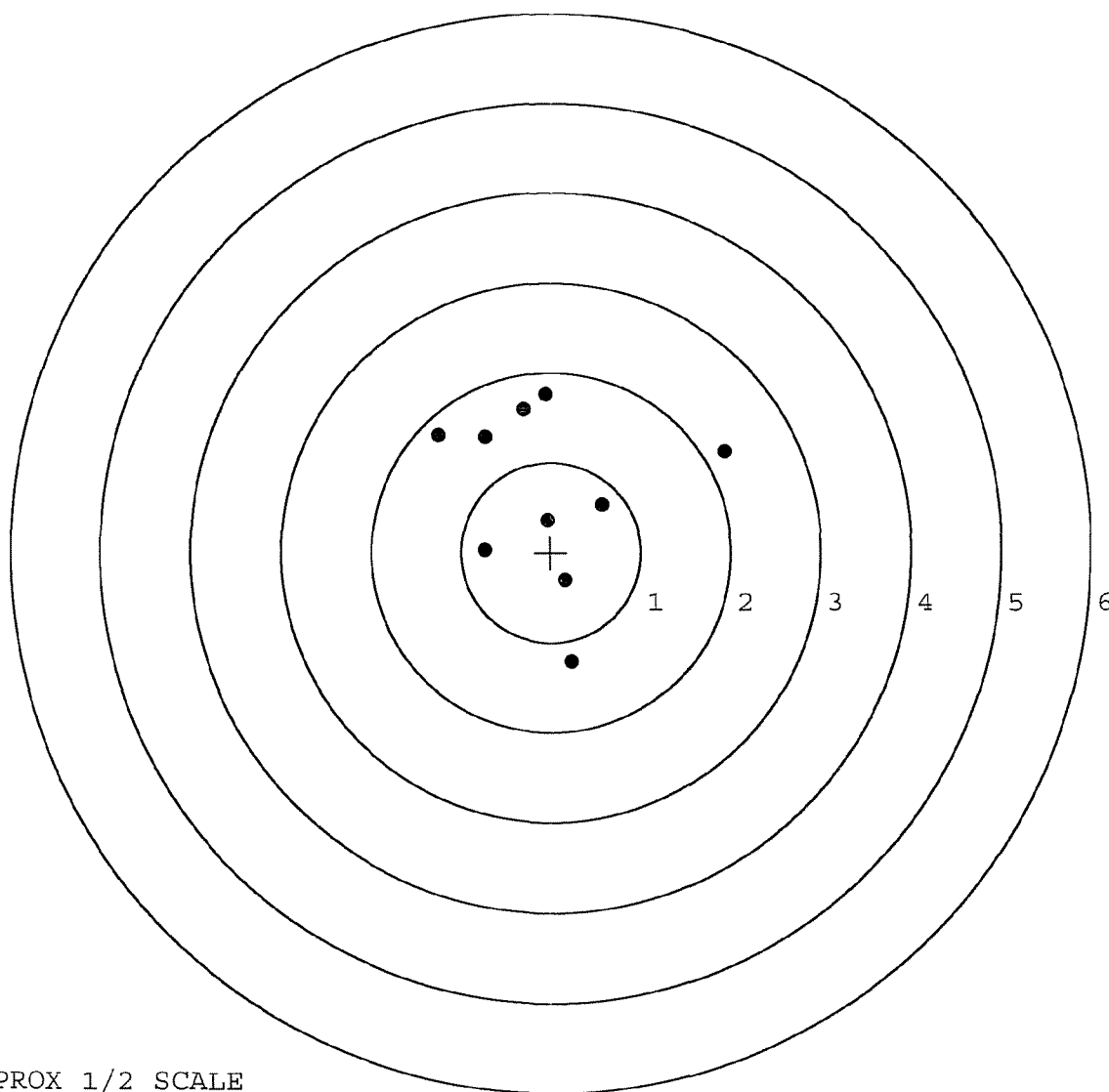
MAX RADIUS: 2.011

MEAN RADIUS: 1.114

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611662.___0

TARGET NUMBER: 3

FILE DATE: 04/15/2005

FILE TIME: 08:41

POINT#	X	Y
1:	0.685	-0.223
2:	0.255	-0.378
3:	-0.973	0.372
4:	-0.897	1.152
5:	-0.750	3.247
6:	-0.096	0.334
7:	0.090	0.152
8:	-0.017	-0.081
9:	-0.197	-0.307
10:	-0.506	-0.033

X CENTROID: -0.241

Y CENTROID: 0.423

POA TO CENTROID: 0.487

HORZ SPREAD: 1.658

VERT SPREAD: 3.625

GROUP SPREAD: 3.762

MIN RADIUS: 0.170

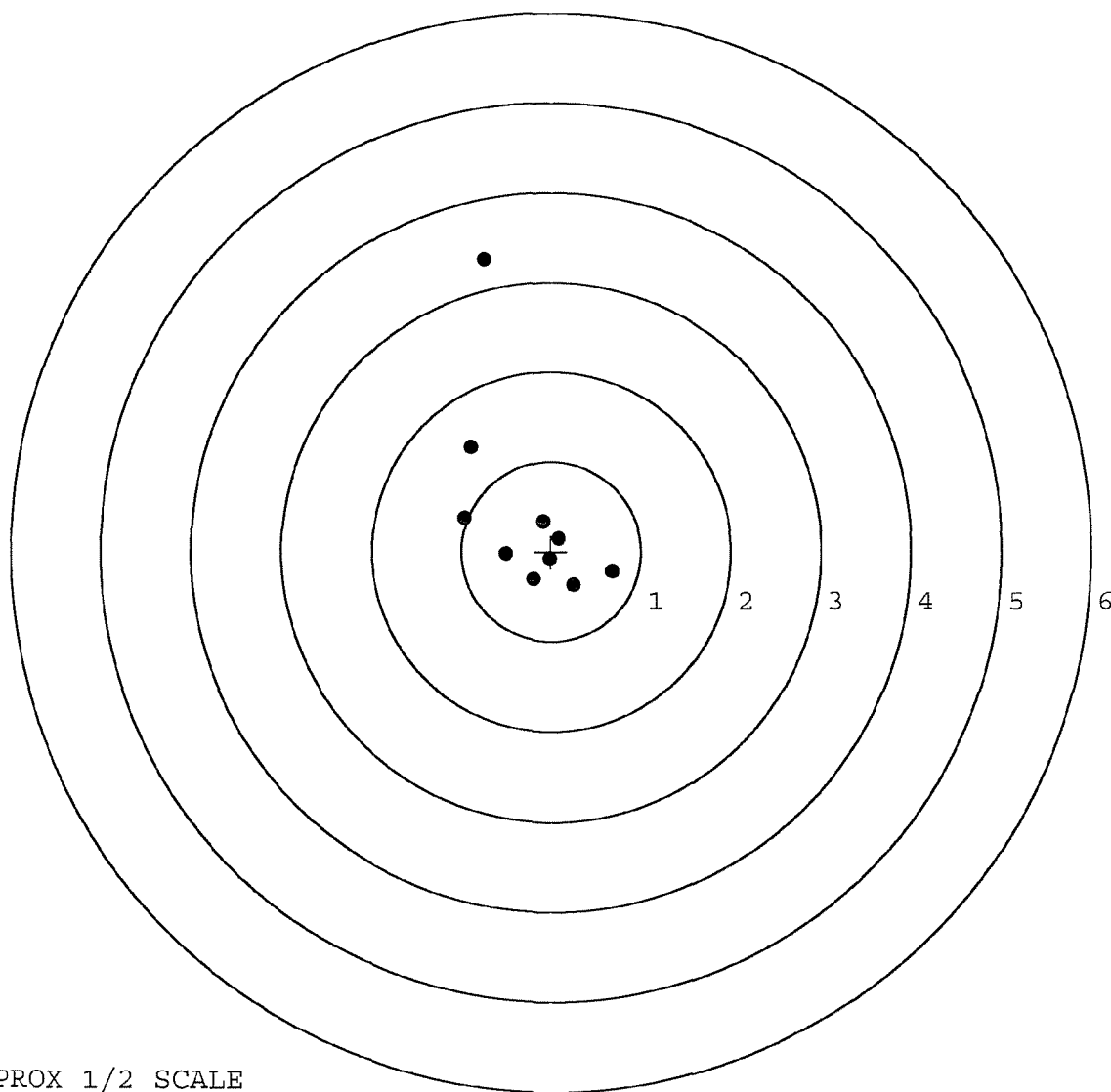
MAX RADIUS: 2.869

MEAN RADIUS: 0.906

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611662.___0

TARGET NUMBER: 4

FILE DATE: 04/15/2005

FILE TIME: 08:41

X CENTROID: -0.390

Y CENTROID: -0.334

POA TO CENTROID: 0.513

HORZ SPREAD: 3.213

VERT SPREAD: 3.735

GROUP SPREAD: 4.070

MIN RADIUS: 0.242

MAX RADIUS: 2.177

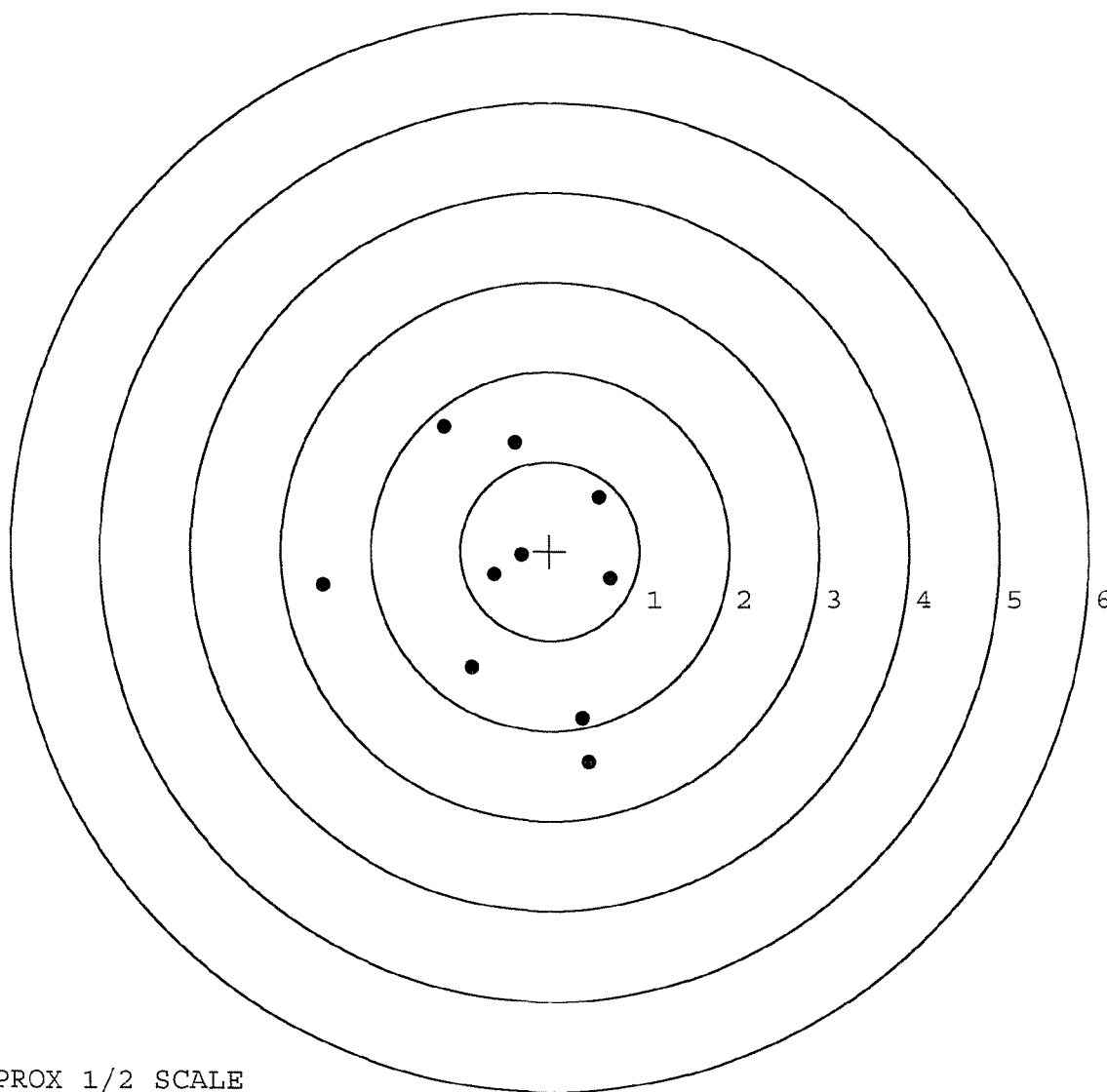
MEAN RADIUS: 1.349

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 2

in 3 IN DIAMETER: 5

POINT#	X	Y
1:	0.676	-0.312
2:	0.547	0.604
3:	-0.316	-0.051
4:	-0.623	-0.270
5:	-0.877	-1.309
6:	0.369	-1.862
7:	0.436	-2.348
8:	-2.537	-0.387
9:	-0.391	1.213
10:	-1.182	1.387

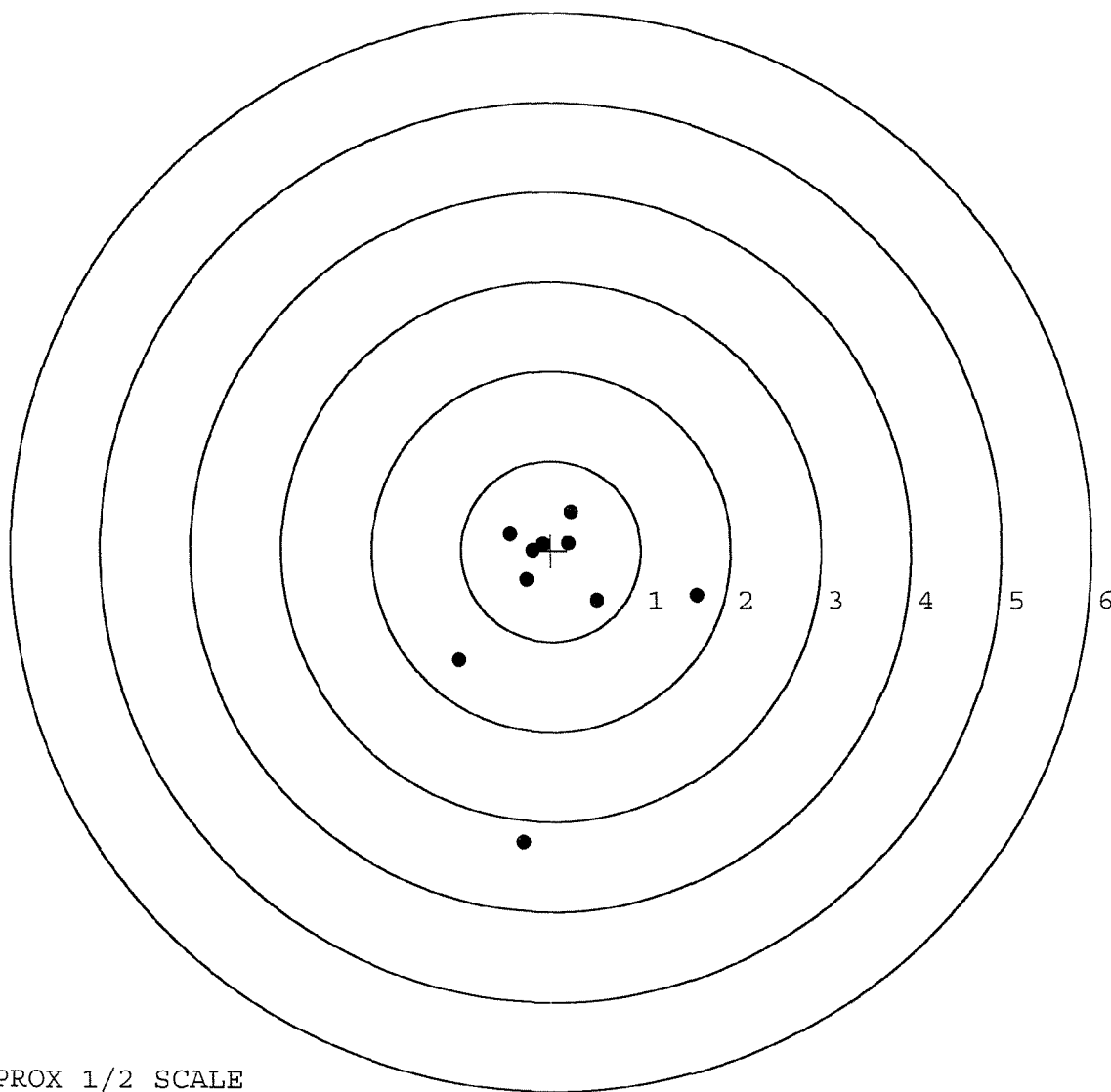


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611662.___0
TARGET NUMBER: 5
FILE DATE: 04/15/2005
FILE TIME: 08:41

X CENTROID: 0.019
Y CENTROID: -0.508
POA TO CENTROID: 0.509
HORZ SPREAD: 2.652
VERT SPREAD: 3.674
GROUP SPREAD: 3.712
MIN RADIUS: 0.345
MAX RADIUS: 2.756
MEAN RADIUS: 1.002
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.625	-0.491
2:	0.508	-0.552
3:	-1.027	-1.219
4:	-0.307	-3.245
5:	-0.278	-0.333
6:	-0.206	-0.001
7:	-0.455	0.175
8:	0.200	0.080
9:	0.223	0.429
10:	-0.092	0.073



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92556		
SERIAL NUMBER	C6611662		
LOG-IN DATE	2-7-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-14-05	RTZ
560 A	RE-BARREL	3-17-05	RTZ
B	DRILL AND TAP	3-21-05	TRW
575	ASSEMBLE	3-18-05	RTZ
600	PROOF	3-21-05	Ac
605	CHECK HEADSPACE	3-21-05	Ac
610	DIS-ASSEMBLE GUN	3-21-05	RTZ
612	MAGNAFLUX		
615	ROLLMARK CALIBER	3-23-05	CW
618	ROTO-BLAST	3-29	SW
620	APPLY COATINGS	4-5	HP
625 A	FINAL ASSEMBLY	4-15-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	4-15-05	Ac
D	SAFETY "OFF" FORCE	4-15-05	Ac
E	FIRING PIN INDENT	4-15-05	Ac
640	TARGET	4-15-05	Ac
655	FINAL INSPECT	4-15-05	Ac
660	PACK	4-21-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington REG. U.S. PAT. & TM. OFF.		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		SERIAL NO. C6611662
20		ORDER NO. 5716



5716 C6611662

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6611662

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		1/10/91	KA
600	Proof		1/10/91	KA
607	Check Headspace		1/10/91	KA
610	Dis-assemble Gun		1/10/91	KA
612	Magnaflux Barrel Action		1/17/91	KR
	Magnaflux Bolt		1/17/91	KR
615	Rollmark Caliber		1/17/91	GB
617	Drill and Tap Sight Holes	1 18 91		KB
618	Polish Barrel	1 18 91		KB
620	Apply Coatings (Barrel Action)		2-12-91	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/22/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/22/91	KA
	C) Inspect Ejector Hole for Chamfer		2/22/91	KA
	D) Oil Firing Pin Ass'y		2/22/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2-25-91	DA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4 $\frac{1}{2}$	4 $\frac{1}{4}$			2-25-91	DH
	G) Safety Off Force	2 $\frac{1}{2}$	2 $\frac{1}{2}$	3			2-25-91	DH
	H) Trigger Pull Test & Retainability						2-25-91	DH
	I) Firing Pin Indent	.020	.0205	.021			2-25-91	DH
	J) Assemble Stock						2/27/91	KJ
	K) Assemble Swivel Studs						2/27/91	WB
	L) Attach Front and Rear Sight Assemblies						2/27/91	KJ
	M) Iron Sight Alignment						2/27/91	KJ
	N) Detach Front & Rear Sights & place in numbered container						2/27/91	KJ
	O) Attach Scope to Rifle						2/27/91	KJ
	P) Detach & Attach Scope 20 Times						2/27/91	KJ
640	Gallery Target & Test						2/28/91	KJ
	A) Time						"	10
	B) Malfunctions						"	10
	C) Pierced Primers						"	10
	D) Optical Clarity of Scope						"	10
645	Inspect for Live Ammo						2/28/91	10
655	Final Inspection						2/27/91	WB
	A) Headspace						3-1-91	JM
	B) Trigger Pull	2.59	2.58	2.58	2.53	2.53	3-1-91	JM
	C) Function						3/2/91	WB
660	Pack						3/14/91	WB

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CC611662

DATE 2-25-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.69	2.46	2.64	2.59	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.69	2.55	2.67	2.58	
PULL #3	2.72	2.53	2.66	2.58	
PULL #4	2.68	2.55	2.63	2.53	
PULL #5	2.69	2.57	2.66	2.53	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.01		
PULL #2	3.06	3.09		
PULL #3	3.14	3.09		
PULL #4	3.05	3.08		
PULL #5	3.09	3.09		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.14		4.08
PULL #2	4.17	4.09		4.13
PULL #3	4.20	4.17		4.12
PULL #4	4.20	4.11		4.11
PULL #5	4.21	4.12		4.09
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611662
1 Mar 1991

CENTROIDAL DISTANCES

0 TO	1	.068942
1 TO	2	.0801124
1 TO	3	.331368
1 TO	4	.445102
1 TO	5	.220565

4440 X-----POA

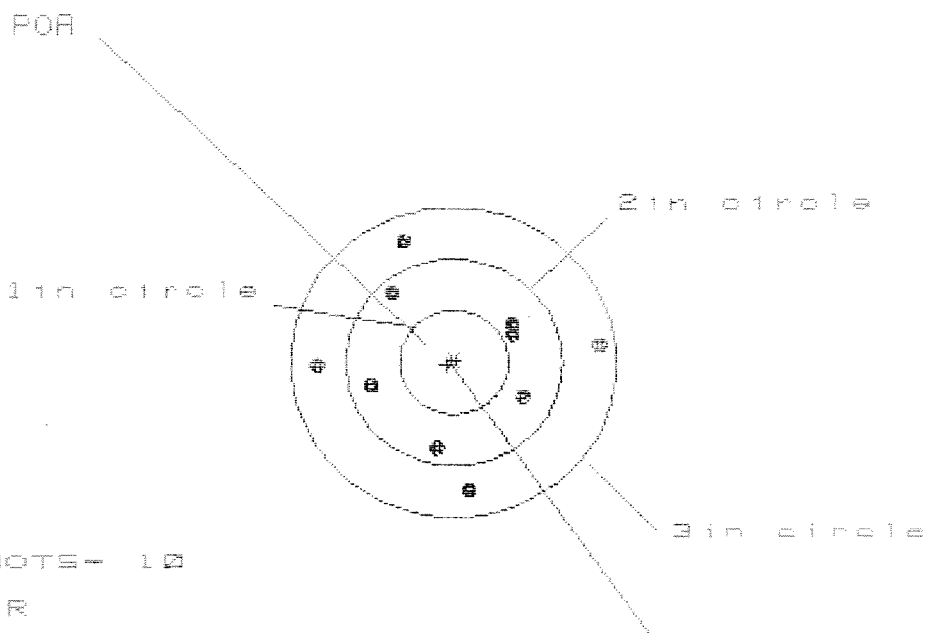
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0828
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0914
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .116111
THE AMR FOR THIS RIFLE IS: .9956

28 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11662

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 10

HS= 2.590

VS= 2.419

GS= 2.593

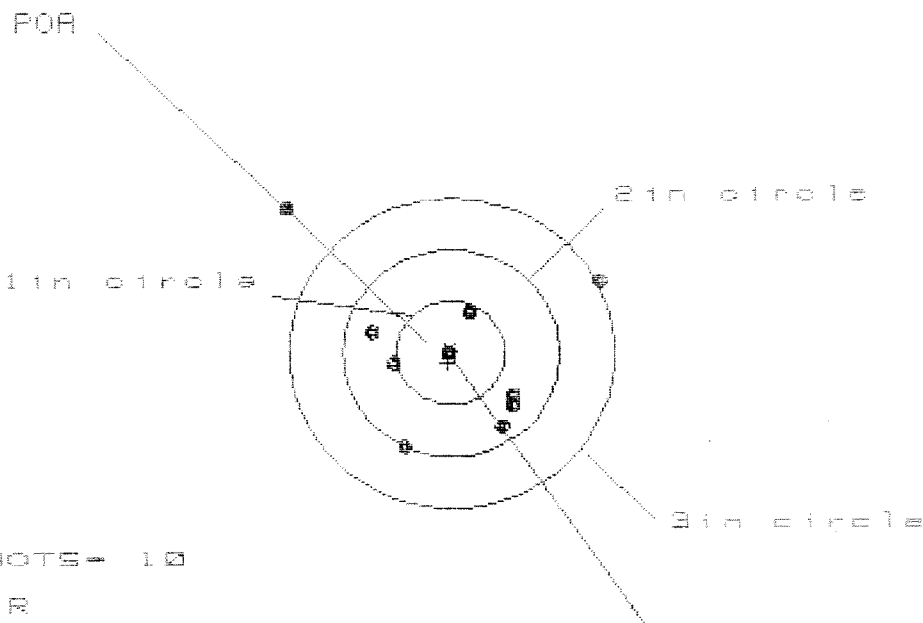
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.311	.749	.704
MINIMUM X	:	-1.279	-1.133	-1.170
MAXIMUM Y	:	1.204	1.219	.804
MINIMUM Y	:	-1.215	-1.200	-1.048
CENTROID X	:	.063	-.083	-.038
CENTROID Y	:	.028	.013	-.139
POA TO CENTROID in.	:	.068	.084	.144
MIN RADIUS	:	.646	.632	.647
MEAN RADIUS	:	.957	.916	.859
MAX RADIUS	:	1.318	1.270	1.189
HORIZONTAL SPREAD	:	2.590	1.882	1.882
VERTICAL SPREAD	:	2.419	2.419	1.852
EXTREME SPREAD	:	2.593	2.510	1.976
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

28 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06811682

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 2.922

VS= 2.257

GS= 3.016

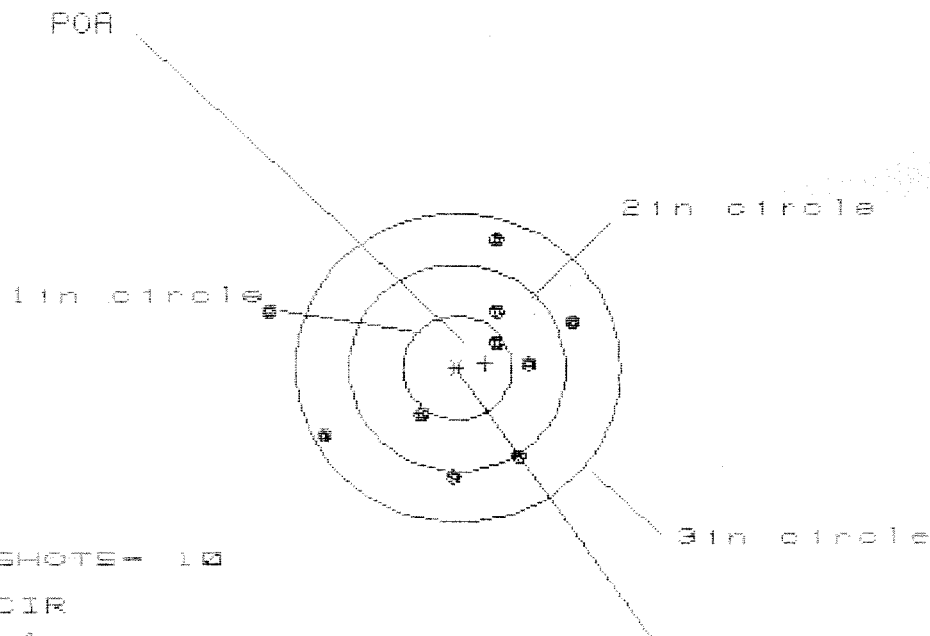
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.412	1.244	.587
MINIMUM X	-1.516	-.860	-.705
MAXIMUM Y	1.379	.809	.637
MINIMUM Y	-.878	-.725	-.624
CENTROID X	.030	.198	.043
CENTROID Y	.101	-.052	-.153
POA TO CENTROID in.	.105	.205	.159
MIN RADIUS	.039	.234	.231
MEAN RADIUS	.863	.720	.614
MAX RADIUS	2.049	1.484	.855
HORIZONTAL SPREAD	2.928	2.104	1.292
VERTICAL SPREAD	2.257	1.534	1.261
EXTREME SPREAD	3.016	2.427	1.515
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	8		

28 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06511662

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.736

VS= 2.257

GS= 2.737

CENTROID *

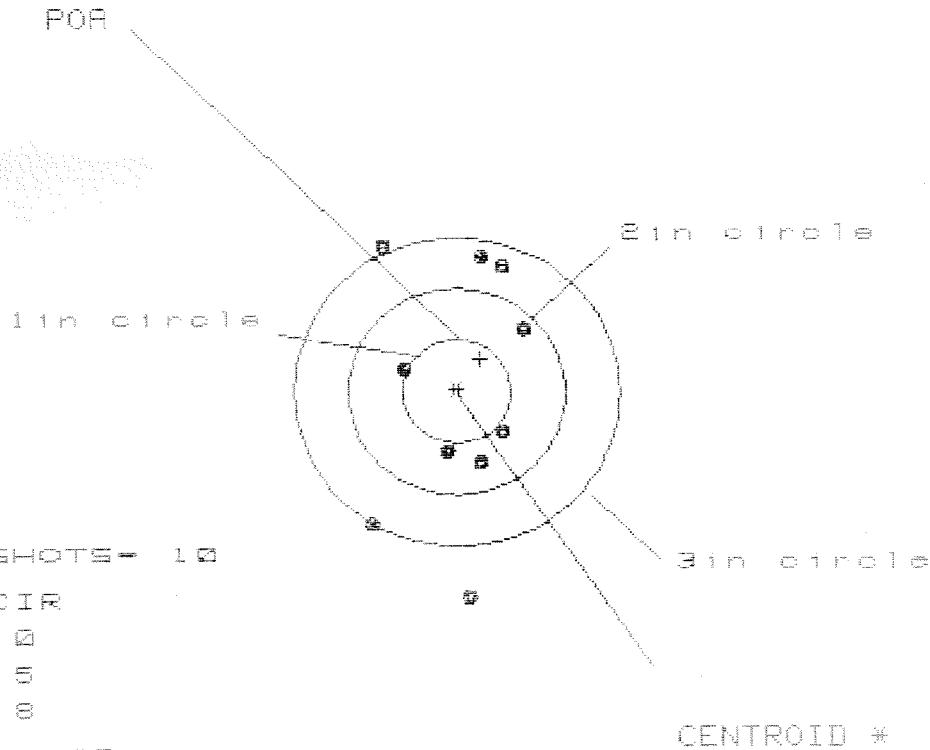
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.027
MINIMUM X	-1.709
MAXIMUM Y	1.201
MINIMUM Y	-1.056
CENTROID X	-0.260
CENTROID Y	-0.046
POA TO CENTROID in.	.264
MIN RADIUS	.445
MEAN RADIUS	.990
MAX RADIUS	1.786
HORIZONTAL SPREAD	2.736
VERTICAL SPREAD	2.257
EXTREME SPREAD	2.737
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	9

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11682

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 1.405

VS= 3.394

CS= 3.468

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.577	.585	.585
MINIMUM X	:	-.829	-.821	-.901
MAXIMUM Y	:	1.428	1.209	1.213
MINIMUM Y	:	-1.966	-1.458	-1.386
CENTROID X	:	-.217	-.225	-.145
CENTROID Y	:	-.318	-.099	-.251
POA TO CENTROID in.	:	.385	.246	.290
MIN RADIUS	:	.524	.477	.547
MEAN RADIUS	:	1.088	.987	.918
MAX RADIUS	:	1.967	1.673	1.587
HORIZONTAL SPREAD	:	1.406	1.406	1.406
VERTICAL SPREAD	:	3.394	2.667	2.519
EXTREME SPREAD	:	3.468	2.785	2.785
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611662

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 2.630

VS = 3.206

GS = 3.398

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.282	1.299	1.226
MINIMUM X	-1.348	-1.331	-1.169
MAXIMUM Y	1.230	1.011	.536
MINIMUM Y	-1.976	-.883	-.757
CENTROID X	-.030	-.047	-.209
CENTROID Y	-.172	.047	-.079
POA TO CENTROID in.	.175	.066	.224
MIN RADIUS	.450	.282	.479
MEAN RADIUS	1.080	.936	.854
MAX RADIUS	1.982	1.646	1.338
HORIZONTAL SPREAD	2.630	2.630	2.395
VERTICAL SPREAD	3.206	1.894	1.293
EXTREME SPREAD	3.398	3.128	2.599
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	8	