

C6611484

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611484.___0
FILE DATE AND TIME: 05/04/2005 06:37

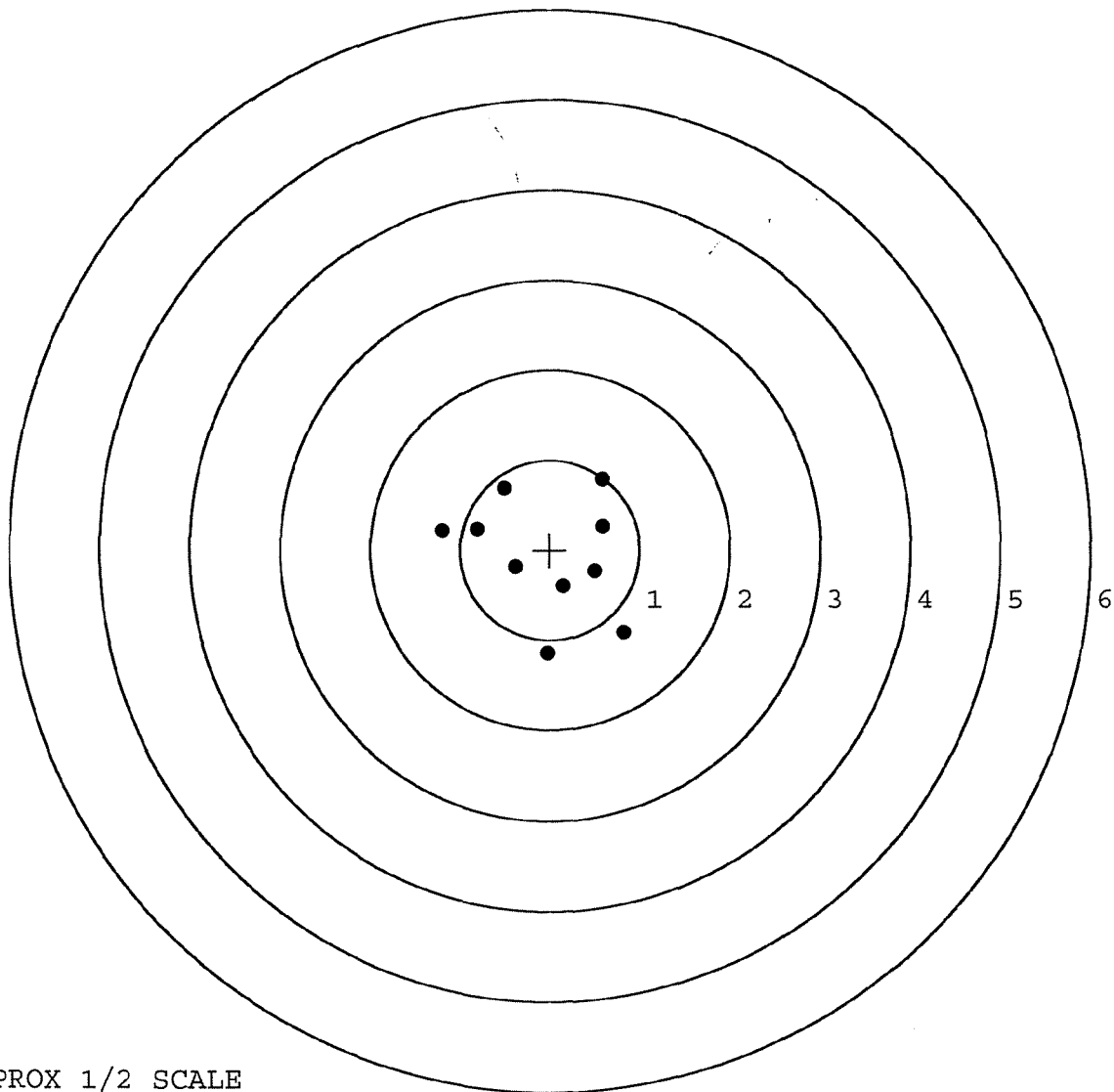
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.047
The Average Y Centroid of the Five Target Set:	-0.019
The Average Point of Impact of the Five Target Set:	0.050
The Average Mean Radius of the Five Target Set:	0.900
The Distance from POA to Centroid Target #1:	0.076
The Distance from Centroid Target #2 to Centroid Target #1:	0.119
The Distance from Centroid Target #3 to Centroid Target #1:	0.187
The Distance from Centroid Target #4 to Centroid Target #1:	0.144
The Distance from Centroid Target #5 to Centroid Target #1:	0.156

SERIAL NUMBER: C6611484. 0
TARGET NUMBER: 1
FILE DATE: 05/04/2005
FILE TIME: 06:37

X CENTROID: -0.027
Y CENTROID: -0.071
POA TO CENTROID: 0.076
HORZ SPREAD: 2.027
VERT SPREAD: 1.951
GROUP SPREAD: 2.326
MIN RADIUS: 0.376
MAX RADIUS: 1.211
MEAN RADIUS: 0.833
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.824	-0.922
2:	-0.026	-1.160
3:	0.506	-0.239
4:	0.153	-0.401
5:	0.593	0.265
6:	0.592	0.791
7:	-0.386	-0.190
8:	-0.508	0.691
9:	-0.816	0.239
10:	-1.203	0.218



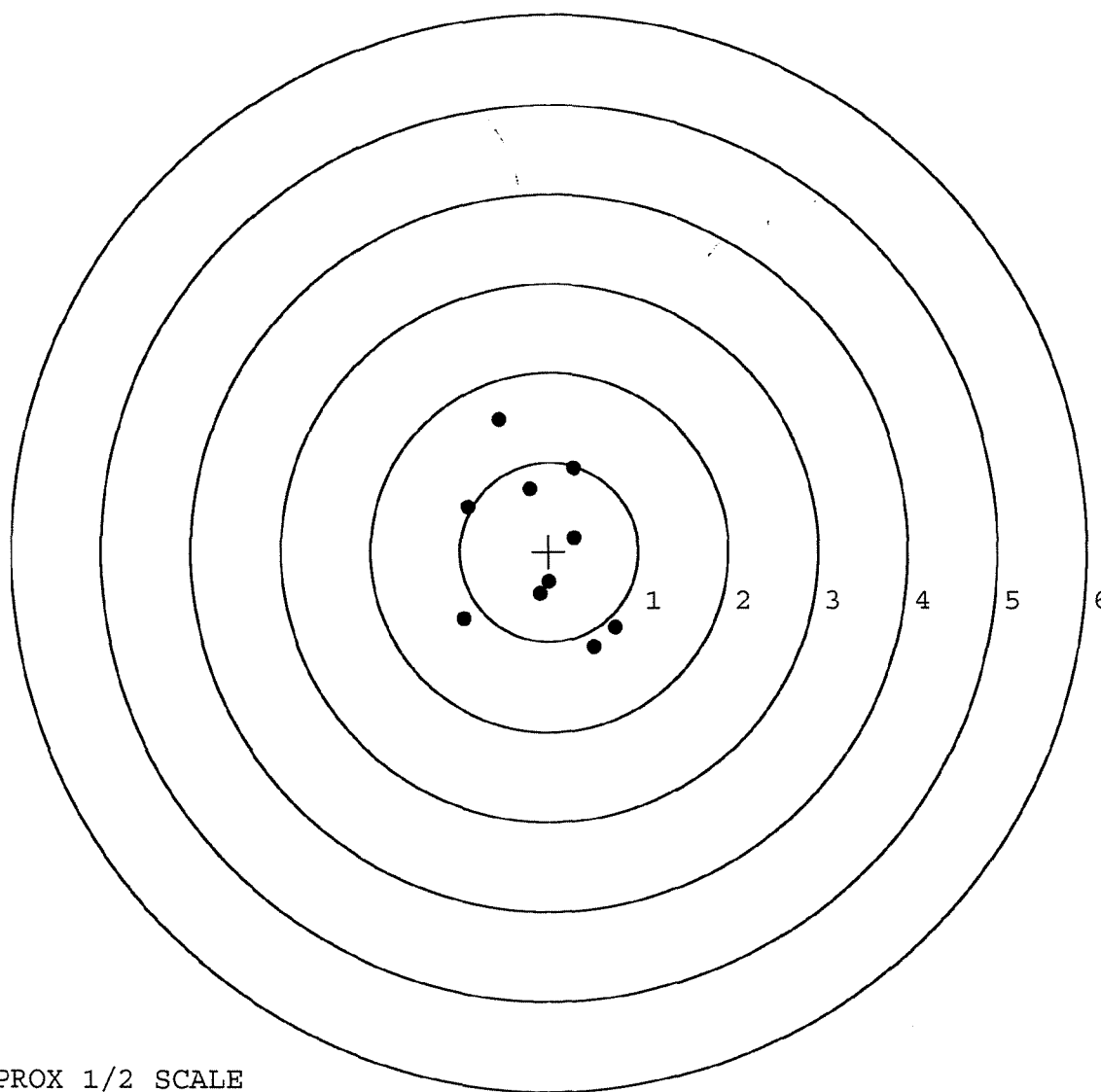
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611484. __0
TARGET NUMBER: 2
FILE DATE: 05/04/2005
FILE TIME: 06:37

X CENTROID: -0.093
Y CENTROID: 0.028
POA TO CENTROID: 0.097
HORZ SPREAD: 1.695
VERT SPREAD: 2.540
GROUP SPREAD: 2.757
MIN RADIUS: 0.383
MAX RADIUS: 1.523
MEAN RADIUS: 0.904

POINT#	X	Y
1:	0.508	-1.063
2:	0.741	-0.849
3:	-0.103	-0.476
4:	0.004	-0.342
5:	0.281	0.158
6:	0.284	0.934
7:	-0.216	0.703
8:	-0.564	1.477
9:	-0.907	0.501
10:	-0.954	-0.759

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



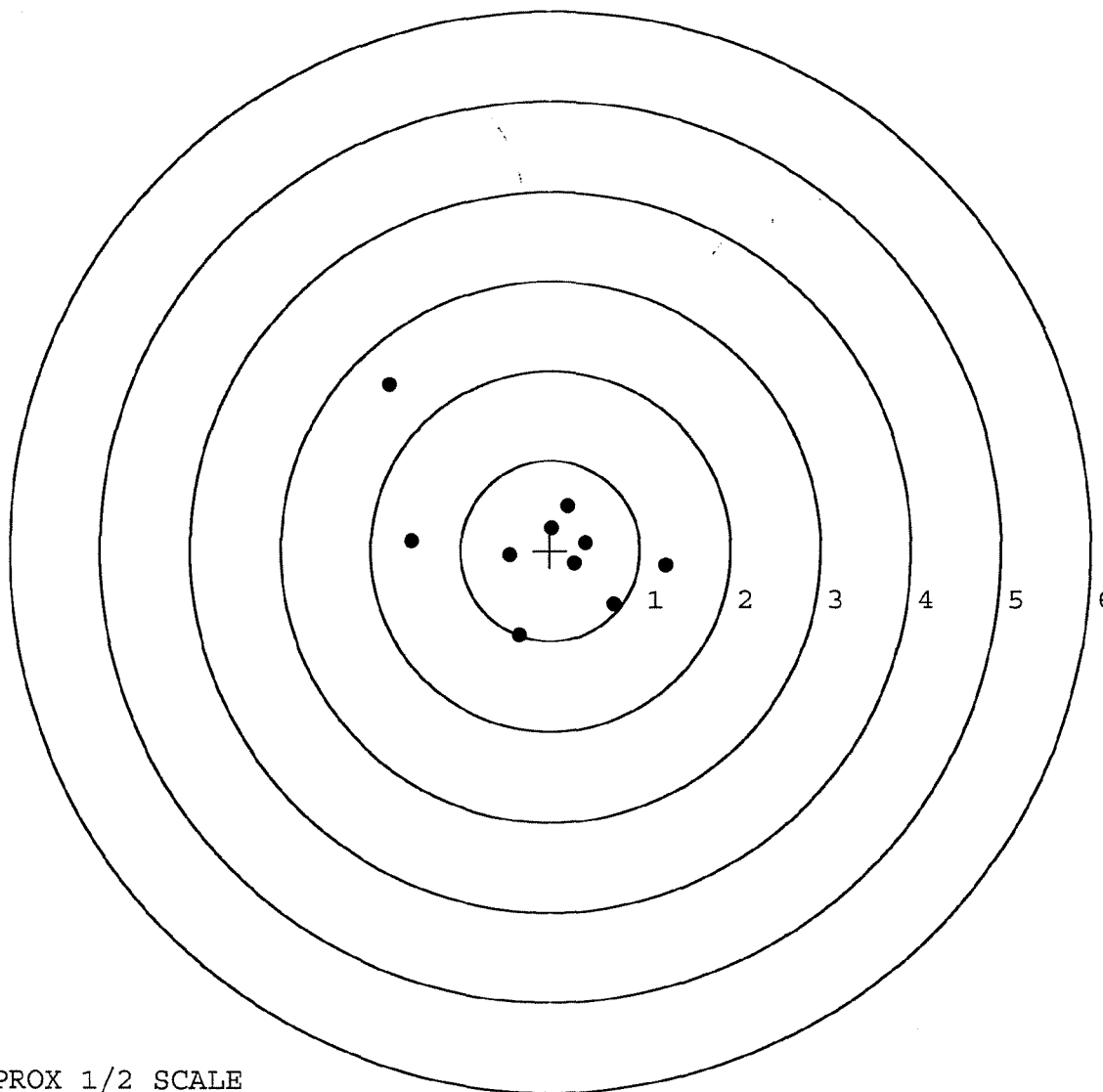
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611484. __0
TARGET NUMBER: 3
FILE DATE: 05/04/2005
FILE TIME: 06:37

X CENTROID: -0.124
Y CENTROID: 0.090
POA TO CENTROID: 0.153
HORZ SPREAD: 3.076
VERT SPREAD: 2.792
GROUP SPREAD: 3.681
MIN RADIUS: 0.219
MAX RADIUS: 2.427
MEAN RADIUS: 0.949

POINT#	X	Y
1:	1.283	-0.170
2:	0.712	-0.598
3:	0.273	-0.141
4:	0.400	0.088
5:	-0.350	-0.941
6:	-0.451	-0.052
7:	0.026	0.249
8:	0.200	0.496
9:	-1.541	0.113
10:	-1.793	1.851

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

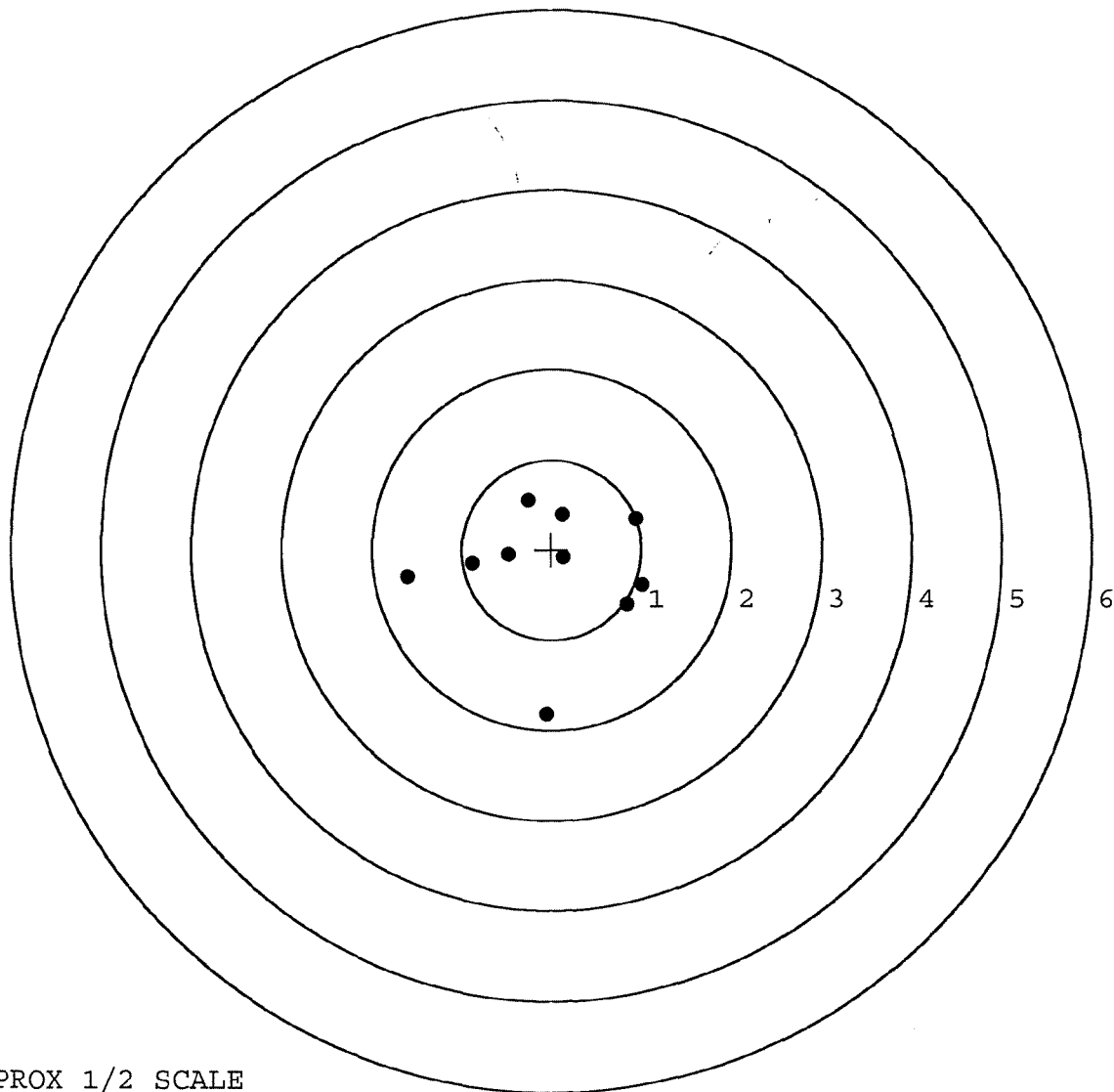


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611484. 0
TARGET NUMBER: 4
FILE DATE: 05/04/2005
FILE TIME: 06:37

POINT#	X	Y
1:	-0.054	-1.832
2:	0.843	-0.607
3:	1.010	-0.394
4:	0.938	0.346
5:	-0.266	0.553
6:	0.126	0.390
7:	0.139	-0.090
8:	-0.479	-0.057
9:	-0.886	-0.152
10:	-1.600	-0.303

X CENTROID: -0.023
Y CENTROID: -0.215
POA TO CENTROID: 0.216
HORZ SPREAD: 2.610
VERT SPREAD: 2.385
GROUP SPREAD: 2.394
MIN RADIUS: 0.204
MAX RADIUS: 1.618
MEAN RADIUS: 0.929
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

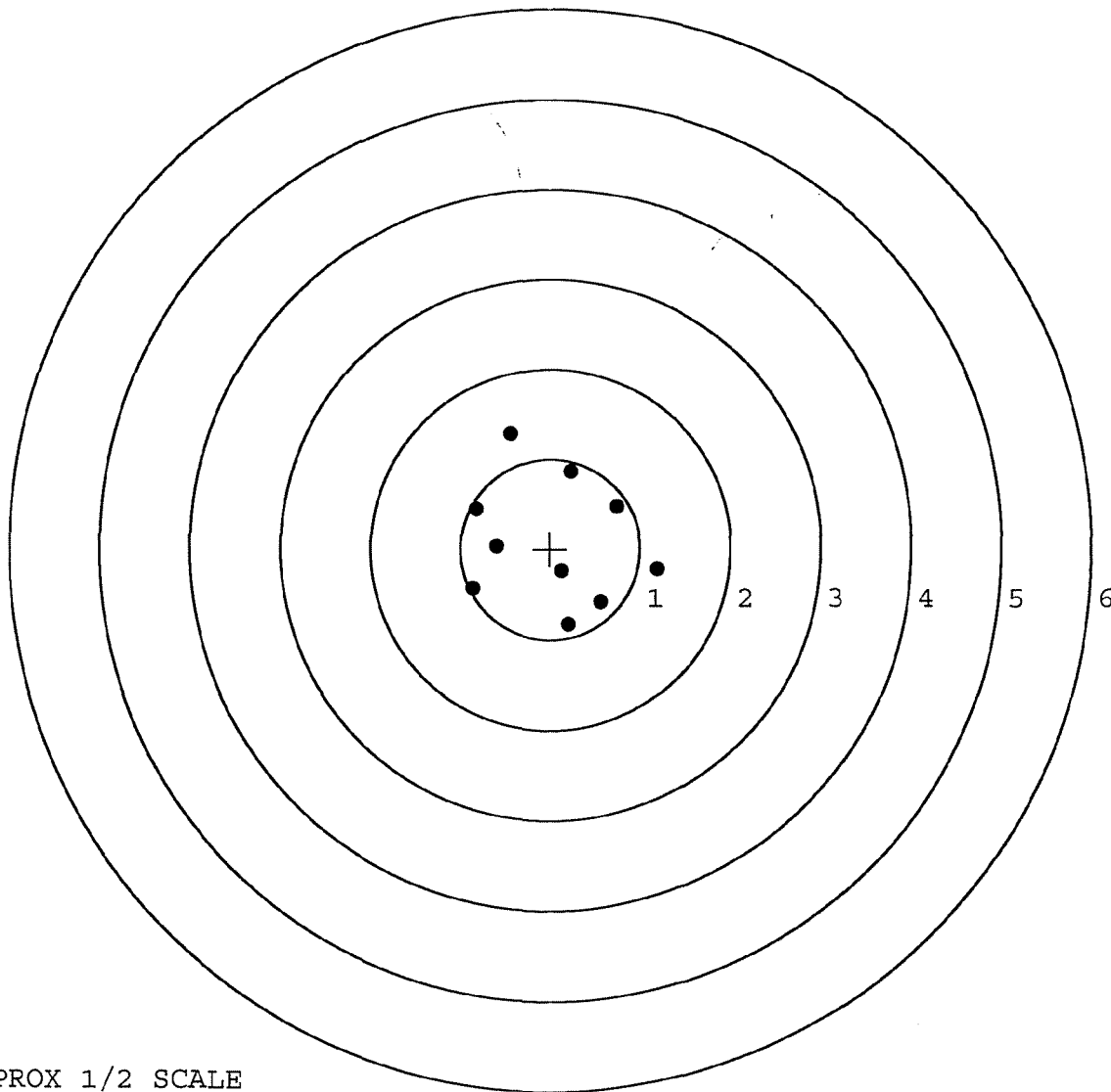


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611484. __0
TARGET NUMBER: 5
FILE DATE: 05/04/2005
FILE TIME: 06:37

X CENTROID: 0.033
Y CENTROID: 0.073
POA TO CENTROID: 0.080
HORZ SPREAD: 2.054
VERT SPREAD: 2.117
GROUP SPREAD: 2.234
MIN RADIUS: 0.339
MAX RADIUS: 1.299
MEAN RADIUS: 0.884
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.193	-0.240
2:	0.740	0.473
3:	0.230	0.862
4:	-0.441	1.283
5:	-0.829	0.441
6:	-0.596	0.033
7:	-0.861	-0.442
8:	0.129	-0.252
9:	0.562	-0.590
10:	0.201	-0.834



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92464		
SERIAL NUMBER	C6611484		
LOG-IN DATE	2-4-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	4-4-05	RTZ
560 A	RE-BARREL	4-7-05	RTZ
B	DRILL AND TAP	4-11-05	TRW
575	ASSEMBLE	4-7-05	RTZ
600	PROOF	4-8-05	AE
605	CHECK HEADSPACE	4-8-05	AE
610	DIS-ASSEMBLE GUN	4-11-05	RTZ
612	MAGNAFLUX	4-11-05	RTZ
615	ROLLMARK CALIBER	4-12-05	CW
618	ROTO-BLAST	4-18-05	WB
620	APPLY COATINGS	4-25-05	WB
625 A	FINAL ASSEMBLY	5-3-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	5-9-05	AC
D	SAFETY "OFF" FORCE	5-9-05	AC
E	FIRING PIN INDENT	5-9-05	AC
640	TARGET	5-4-05	AC
655	FINAL INSPECT	5-9-05	AC
660	PACK	5-11-05	JA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington®  REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

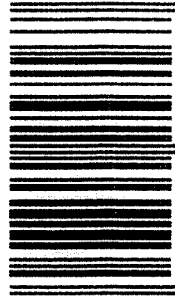
VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.

SERIAL NO. C6611484	ORDER NO. 5716
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5716 C6611484

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611484

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/18/91	K.S.
600	Proof		3/18/91	K.S.
607	Check Headspace		3/18/91	K.S.
610	Dis-assemble Gun		3/18/91	K.S.
612	Magnaflux Barrel Action		3/28/91	K.R.
	Magnaflux Bolt		"	K.R.
615	Rollmark Caliber		"	G.S.
617	Drill and Tap Sight Holes	APR	3 1991	W.B.
618	Polish Barrel	APR	3 1991	W.B.
620	Apply Coatings (Barrel Action)		4/19/91	TH
	Apply Coating (Bolt)			
625	Final Assembly		5/1/91	K.S.
	A) Clean inside of Bolt Assembly		5/1/91	K.S.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/91	K.S.
	C) Inspect Ejector Hole for Chamfer		5/1/91	K.S.
	D) Oil Firing Pin Ass'y		5/1/91	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		5-15-91	TH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5-15-91	JK
	G) Safety Off Force	4	4	4			5-15-91	JK
	H) Trigger Pull Test & Retainability						5-15-91	JK
	I) Firing Pin Indent	.0225	.0225	.0225			5-15-91	JK
	J) Assemble Stock						5-15-91	KS
	K) Assemble Swivel Studs						5-20-91	JK
	L) Attach Front and Rear Sight Assemblies						5/15/91	KS
	M) Iron Sight Alignment						5/15/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/15/91	KS
	O) Attach Scope to Rifle						5/15/91	KS
	P) Detach & Attach Scope 20 Times						5/15/91	KS
640	Gallery Target & Test						5/15/91	KT
	A) Time						5/15/91	KT
	B) Malfunctions						5/15/91	KT
	C) Pierced Primers						5/15/91	KT
	D) Optical Clarity of Scope						5/15/91	KT
645	Inspect for Live Ammo						5/15/91	KT
655	Final Inspection						5-20-91	JK
	A) Headspace						5-20-91	JK
	B) Trigger Pull	2.48	2.52	2.52	2.56	2.53	5/20/91	JK
	C) Function						5-20-91	JK
660	Pack						6-19-91	JK

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C-6611484

DATE 5-15-91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.24	2.33	2.48	MIN. SETTING,
PULL #2	2.38	2.24	2.40	2.52	NO AVG. OF 5
PULL #3	2.33	2.27	2.35	2.52	READINGS ACCEPT-
PULL #4	2.42	2.30	2.28	2.56	ABLE LESS THAN 2#
PULL #5	2.35	2.25	2.30	2.53	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.68	3.42		
PULL #2	3.45	3.38		
PULL #3	3.63	3.37		
PULL #4	3.63	3.41		
PULL #5	3.55	3.40		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.27		4.23
PULL #2	4.43	4.23		4.24
PULL #3	4.40	4.19		4.29
PULL #4	4.39	4.29		4.22
PULL #5	4.36	4.28		4.29
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611484
16 May 1991

CENTROIDAL DISTANCES

0 TO	1	.105721
1 TO	2	.201757
1 TO	3	.503779
1 TO	4	.149452
1 TO	5	.209287

$\bar{x}_2$ <----FOR

• AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0782
• AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0404
• AVERAGE POI RADIUS FOR THIS RIFLE IS: .0880193
• AVERAGE FOR THIS RIFLE IS: 1.047

16 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C66114B4

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 10

HS = 2.498

VS = 1.784

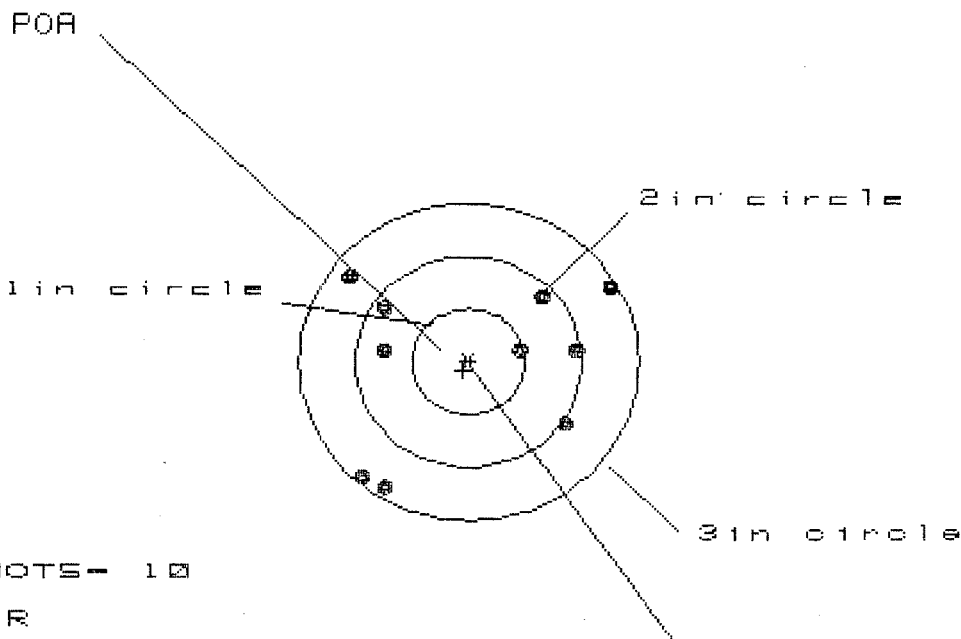
GS = 2.516

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.291	1.132	.999
MINIMUM X	-1.207	-1.063	-1.022
MAXIMUM Y	1.155	1.164	1.137
MINIMUM Y	-.629	-.620	-.647
CENTROID X	-.019	-.163	-.030
CENTROID Y	-.104	-.113	-.086
POA TO CENTROID in.	.106	.198	.091
MIN RADIUS	.236	.135	.219
MEAN RADIUS	.873	.813	.777
MAX RADIUS	1.294	1.223	1.210
HORIZONTAL SPREAD	2.498	2.195	2.021
VERTICAL SPREAD	1.784	1.784	1.784
EXTREME SPREAD	2.516	2.297	2.293
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

16 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611464

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 5

3 in = 10

HS= 2.222

VS= 2.034

GS= 2.807

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.218	1.114	1.010
MINIMUM X	:	-1.004	-1.108	-1.212
MAXIMUM Y	:	.805	.684	.516
MINIMUM Y	:	-1.229	-1.350	-.894
CENTROID X	:	.046	.151	.255
CENTROID Y	:	.087	.208	.376
POA TO CENTROID in.	:	.099	.257	.454
MIN RADIUS	:	.429	.313	.281
MEAN RADIUS	:	1.055	.987	.884
MAX RADIUS	:	1.434	1.585	1.317
HORIZONTAL SPREAD	:	2.222	2.222	2.222
VERTICAL SPREAD	:	2.034	2.034	1.410
EXTREME SPREAD	:	2.807	2.749	2.320
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

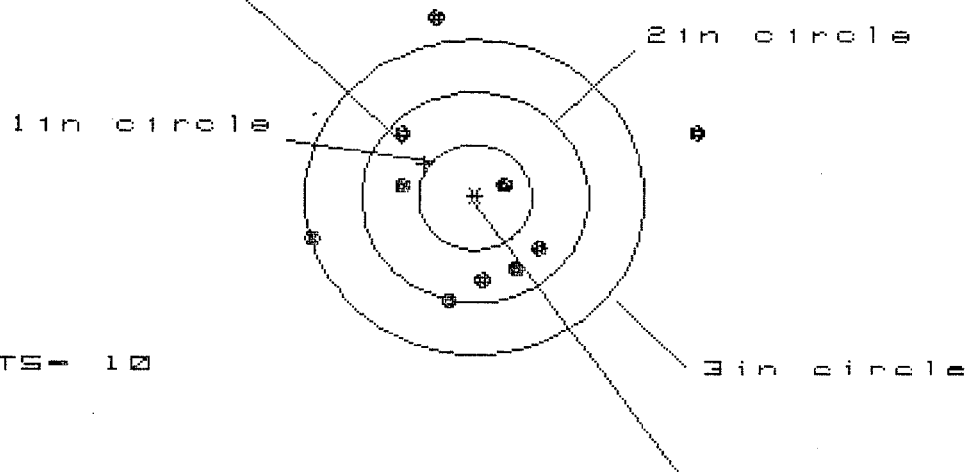
16 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611484

CENTERFIRE PATTERNS

3

POA



OF SHOTS- 10

IN CIR

1in - 1

2in - 6

3in = 8

HS- 3.406

VS= 2.756

GS= 3.553

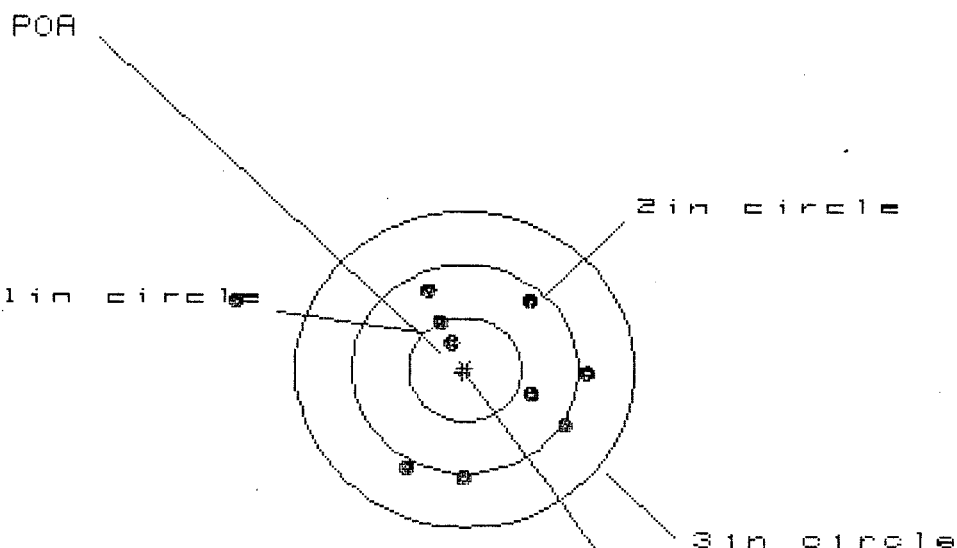
CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.971	.760	.751
MINIMUM X	-1.435	-1.216	-1.225
MAXIMUM Y	1.762	1.831	.957
MINIMUM Y	-.994	-.925	-.696
CENTROID X	.438	.219	.228
CENTROID Y	-.316	-.386	-.615
POA TO CENTROID in.	.541	.444	.656
MIN RADIUS	.304	.431	.574
MEAN RADIUS	1.049	.922	.779
MAX RADIUS	2.069	1.833	1.228
HORIZONTAL SPREAD	3.406	1.976	1.976
VERTICAL SPREAD	2.756	2.756	1.653
EXTREME SPREAD	3.553	2.756	1.981
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

16 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C66114B4

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 3.150

VS= 1.713

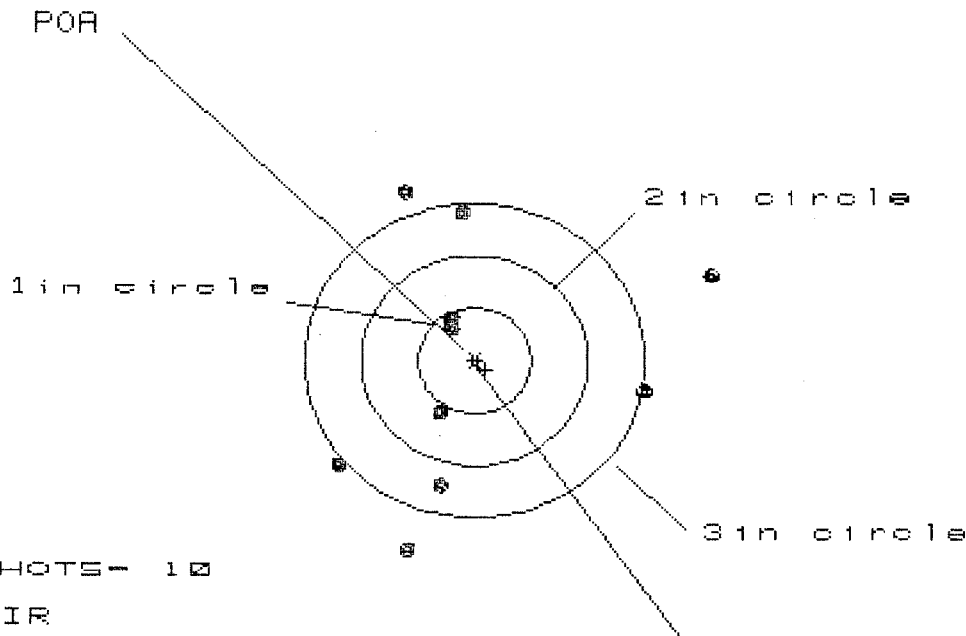
GS= 3.234

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.118	.893	.738
MINIMUM X	:	-2.032	-.727	-.616
MAXIMUM Y	:	.723	.800	.804
MINIMUM Y	:	-.990	-.913	-.909
CENTROID X	:	.021	.246	.135
CENTROID Y	:	.040	-.037	-.041
POA TO CENTROID in.	:	.045	.249	.141
MIN RADIUS	:	.323	.414	.446
MEAN RADIUS	:	.950	.795	.780
MAX RADIUS	:	2.145	1.163	1.093
HORIZONTAL SPREAD	:	3.150	1.620	1.354
VERTICAL SPREAD	:	1.713	1.713	1.713
EXTREME SPREAD	:	3.234	1.980	1.980
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

16 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C66114B4

CENTERFIRE PATTERNS : # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 3

3 in = 5

HS= 3.252

VS= 3.460

GS= 3.755

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.095	1.712	1.670
MINIMUM X	:	-1.167	-.934	-.976
MAXIMUM Y	:	1.653	1.746	1.532
MINIMUM Y	:	-1.807	-1.714	-1.294
CENTROID X	:	-.095	-.328	-.286
CENTROID Y	:	.091	-.002	.212
POR TO CENTROID in.	:	.132	.328	.356
MIN RADIUS	:	.423	.387	.231
MEAN RADIUS	:	1.307	1.166	1.066
MAI RADIUS	:	2.257	1.784	1.722
HORIZONTAL SPREAD	:	3.262	2.646	2.646
VERTICAL SPREAD	:	3.460	3.460	2.826
EXTREME SPREAD	:	3.755	3.460	2.852
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		5	