

C6594543

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER	36061		
SERIAL NUMBER	C6594543		
LOG-IN DATE	11-26-01		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-27-01	AK
560 A	RE-BARREL	11/28/01	BWT
B	DRILL AND TAP	11/28/01	BWT
575	ASSEMBLE	11-28-01	AK
600	PROOF	11-28-01	AC
605	CHECK HEADSPACE	11-29-01	PFL
610	DIS-ASSEMBLE GUN	11-29-01	PFL
612	MAGNAFLUX	OPERATOR AC	
615	ROLLMARK CALIBER	11-29-01	PFL
618	ROTO-BLAST	11-30-01	DA
620	APPLY COATINGS	11/30/01	HP
625 A	FINAL ASSEMBLY	12-4-01	AK
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-04-01	AC
655	FINAL INSPECT	12-5-01	AK
660	PACK	12-5-01	DA
		SHIP DATE	
QAR INSPECTION DATE			

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594534.___0
FILE DATE AND TIME: 12/04/2001 03:42

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.002
The Average Y Centroid of the Five Target Set:	0.056
The Average Point of Impact of the Five Target Set:	0.056
The Average Mean Radius of the Five Target Set:	<u>0.712</u>
The Distance from POA to Centroid Target #1:	0.110
The Distance from Centroid Target #2 to Centroid Target #1:	0.116
The Distance from Centroid Target #3 to Centroid Target #1:	0.419
The Distance from Centroid Target #4 to Centroid Target #1:	0.323
The Distance from Centroid Target #5 to Centroid Target #1:	0.188

SERIAL NUMBER: C6594534. __0

TARGET NUMBER: 1

FILE DATE: 12/04/2001

FILE TIME: 03:42

X CENTROID: 0.107

Y CENTROID: 0.025

POA TO CENTROID: 0.110

HORZ SPREAD: 2.259

VERT SPREAD: 1.889

GROUP SPREAD: 2.636

MIN RADIUS: 0.179

MAX RADIUS: 1.847

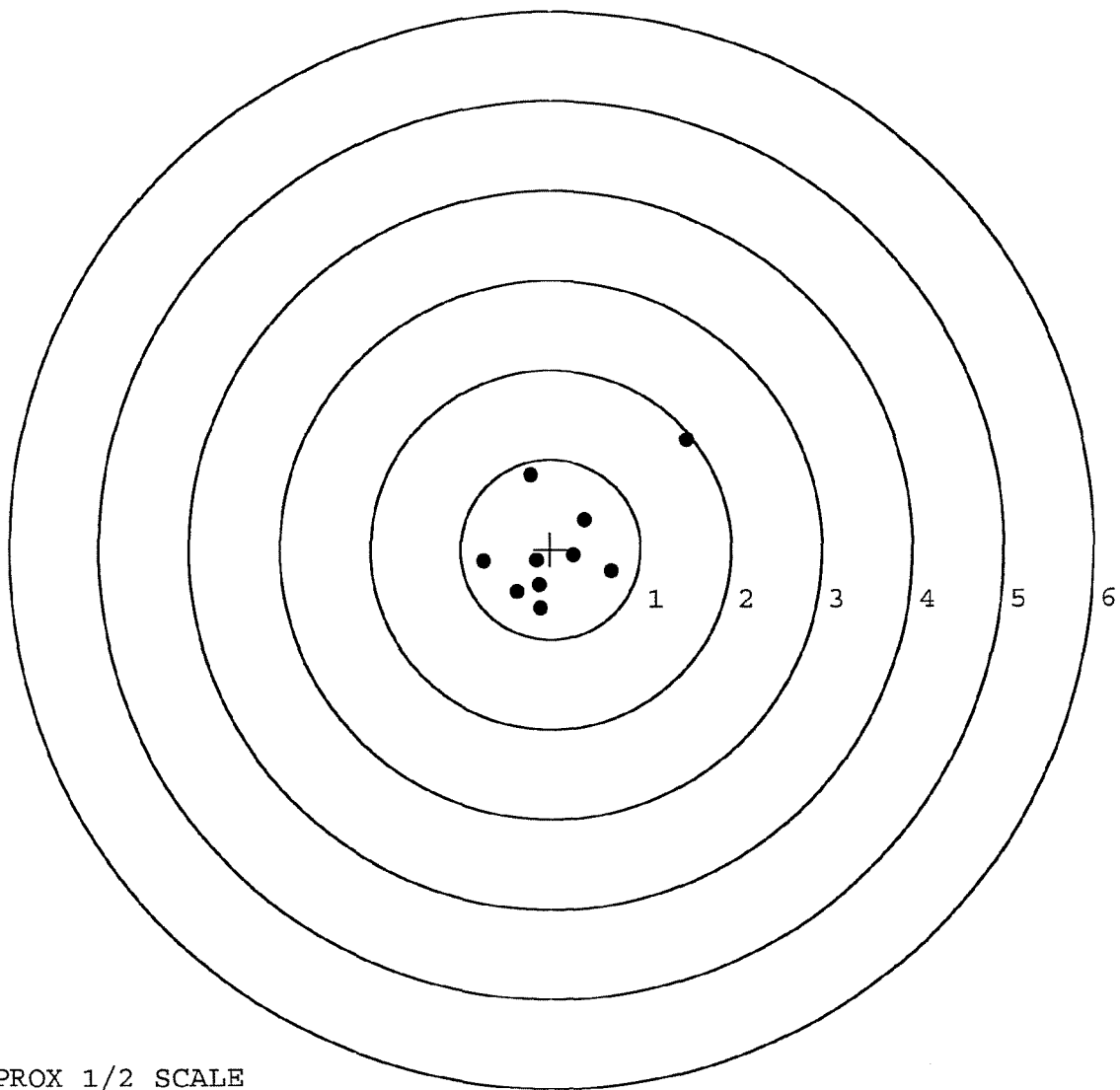
MEAN RADIUS: 0.701

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.513	1.224
2:	-0.222	0.821
3:	0.378	0.331
4:	0.259	-0.071
5:	0.675	-0.245
6:	-0.746	-0.135
7:	-0.158	-0.130
8:	-0.378	-0.476
9:	-0.114	-0.665
10:	-0.132	-0.402



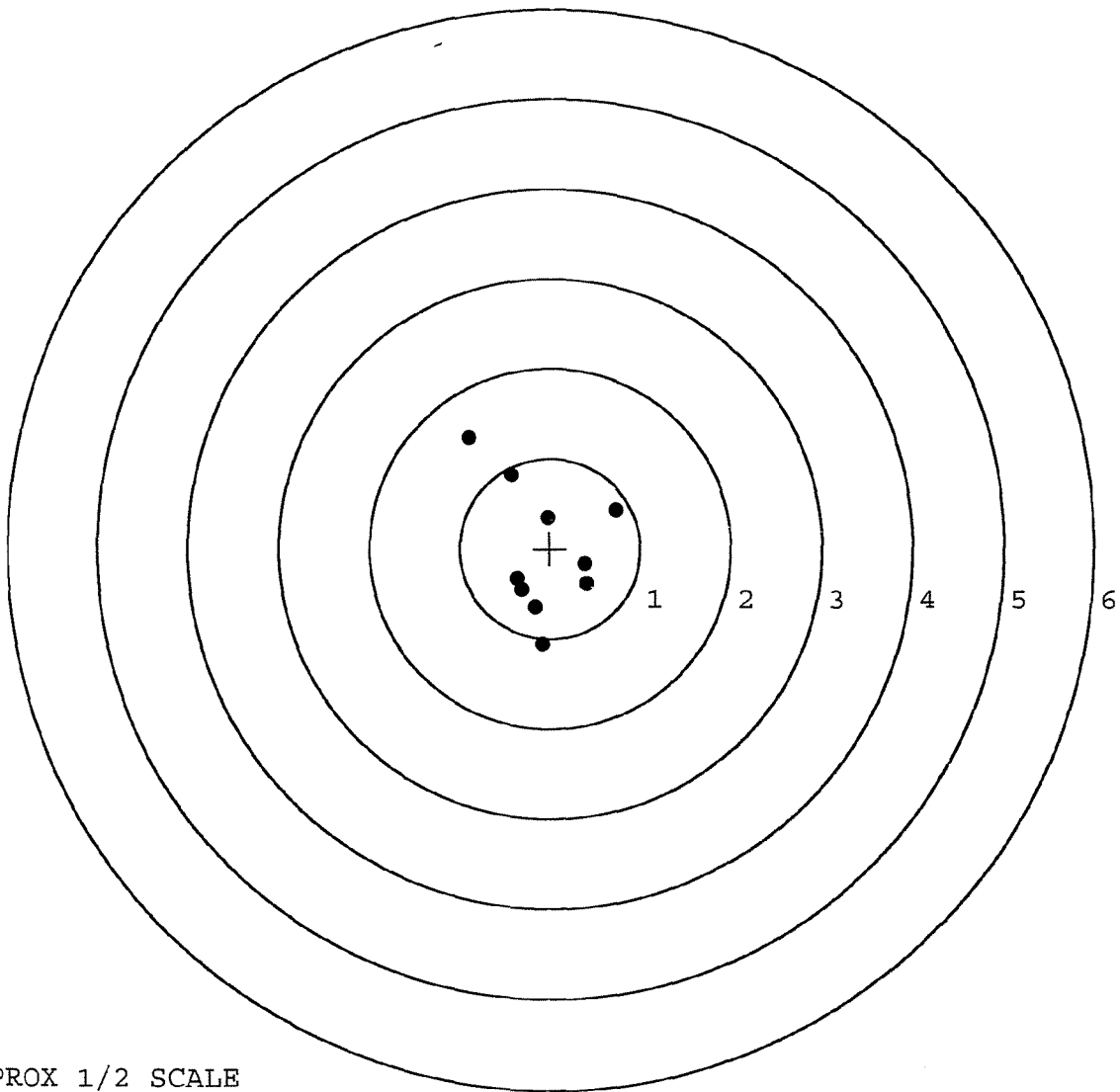
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594534. __0
TARGET NUMBER: 2
FILE DATE: 12/04/2001
FILE TIME: 03:42

X CENTROID: -0.007
Y CENTROID: 0.004
POA TO CENTROID: 0.008
HORZ SPREAD: 1.634
VERT SPREAD: 2.292
GROUP SPREAD: 2.434
MIN RADIUS: 0.339
MAX RADIUS: 1.514
MEAN RADIUS: 0.721
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 12
in 3 IN DIAMETER: 13

POINT#	X	Y
1:	0.729	0.428
2:	-0.085	-1.069
3:	-0.164	-0.655
4:	-0.365	-0.337
5:	-0.033	0.342
6:	-0.438	0.817
7:	-0.905	1.223
8:	-0.905	1.223
9:	0.407	-0.393
10:	0.407	-0.393
11:	0.391	-0.169
12:	0.391	-0.169
13:	0.391	-0.169
14:	0.391	-0.169

POINT#	X	Y
15:	-0.315	-0.456

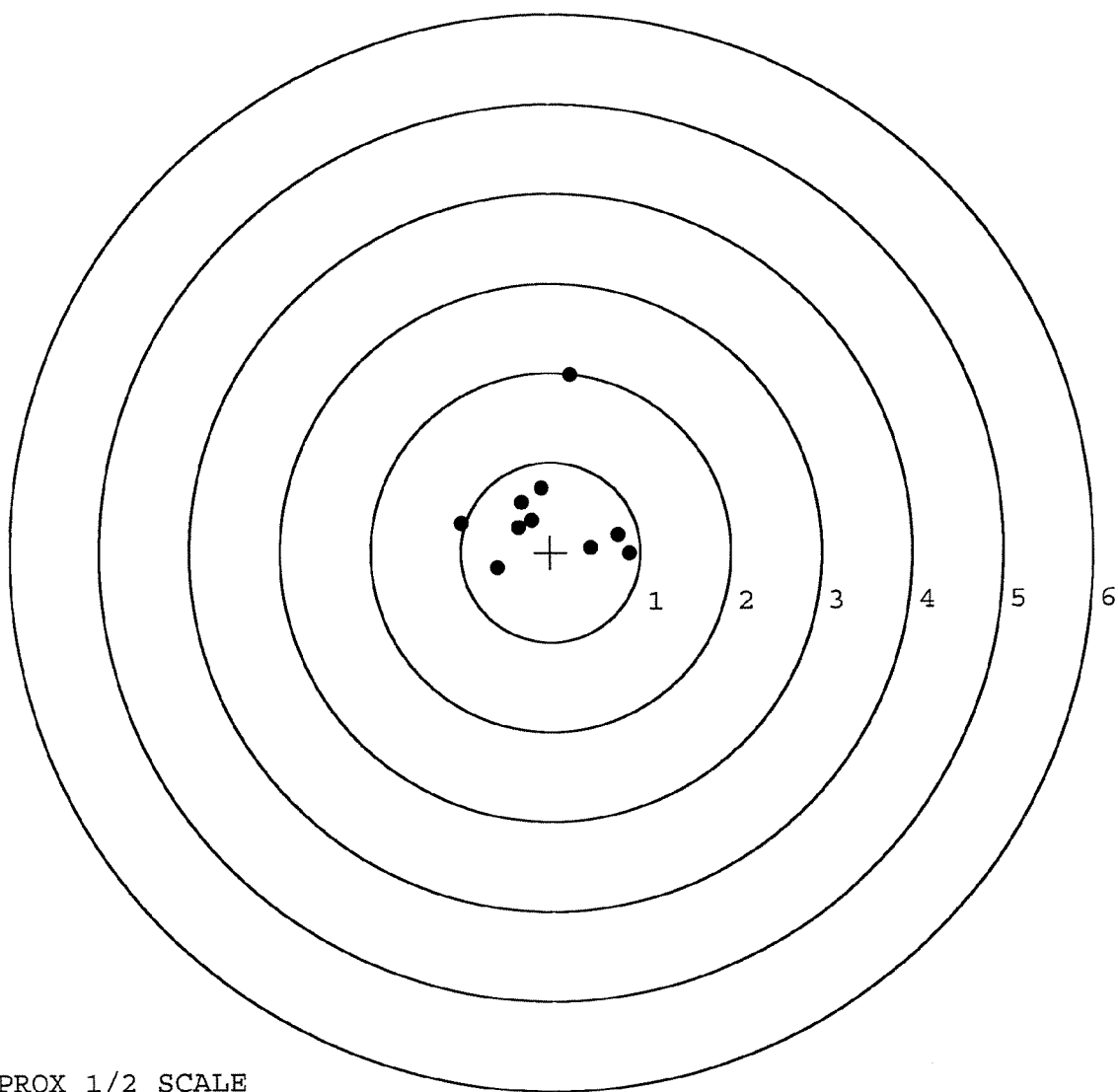


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594534. __0
TARGET NUMBER: 3
FILE DATE: 12/04/2001
FILE TIME: 03:42

X CENTROID: -0.026
Y CENTROID: 0.422
POA TO CENTROID: 0.423
HORZ SPREAD: 1.867
VERT SPREAD: 2.156
GROUP SPREAD: 2.307
MIN RADIUS: 0.197
MAX RADIUS: 1.576
MEAN RADIUS: 0.697
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.231	1.977
2:	-0.104	0.707
3:	-0.209	0.350
4:	0.453	0.049
5:	0.748	0.190
6:	0.880	-0.021
7:	-0.590	-0.179
8:	-0.987	0.326
9:	-0.357	0.270
10:	-0.326	0.550

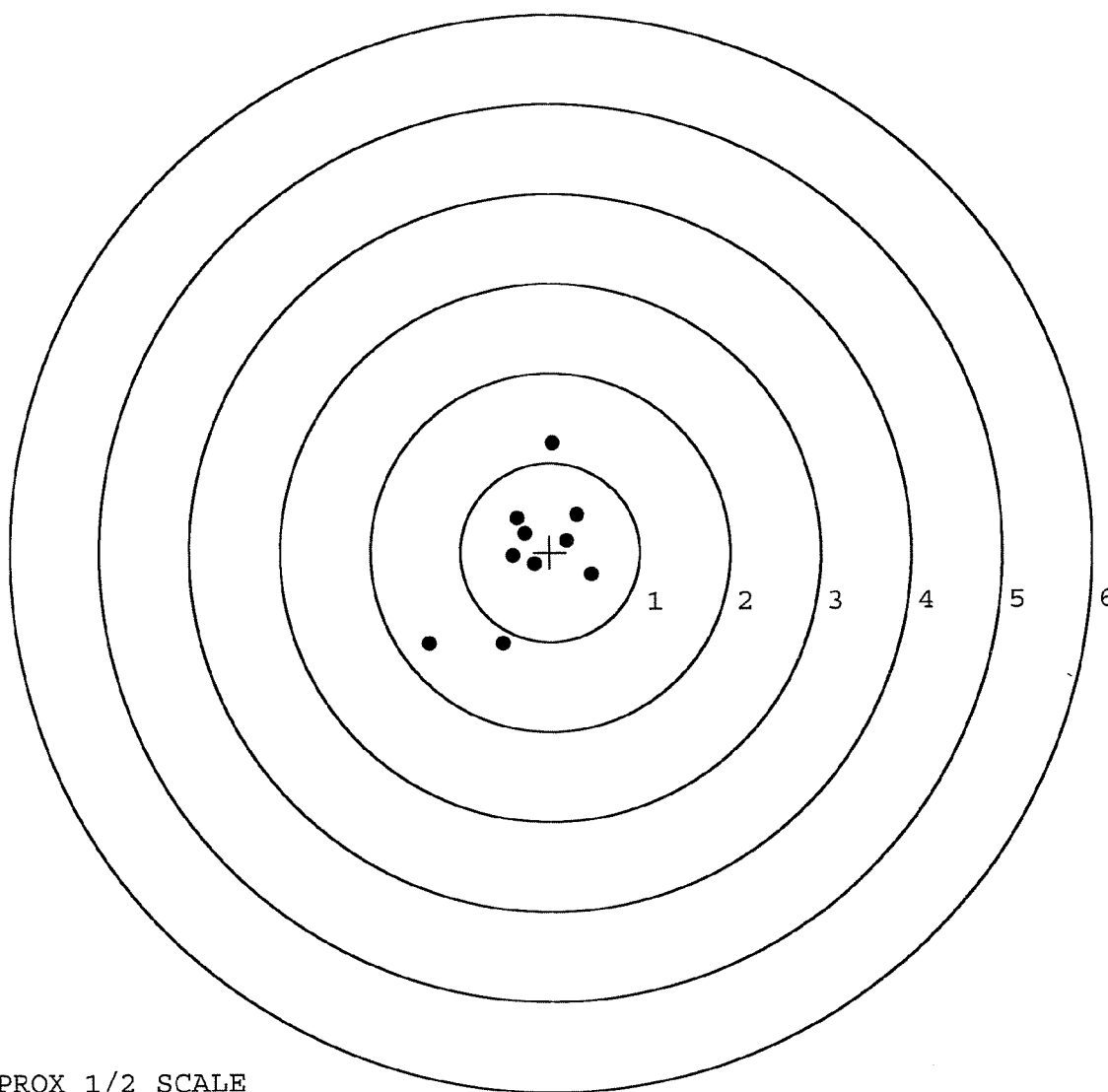


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594534.___0
TARGET NUMBER: 4
FILE DATE: 12/04/2001
FILE TIME: 03:42

X CENTROID: -0.214
Y CENTROID: -0.011
POA TO CENTROID: 0.214
HORZ SPREAD: 1.814
VERT SPREAD: 2.242
GROUP SPREAD: 2.633
MIN RADIUS: 0.130
MAX RADIUS: 1.523
MEAN RADIUS: 0.665
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.033	1.217
2:	-0.372	0.385
3:	-0.281	0.211
4:	-0.178	-0.136
5:	-0.415	-0.044
6:	0.304	0.423
7:	0.190	0.130
8:	0.461	-0.247
9:	-0.527	-1.025
10:	-1.353	-1.022



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594534. __0

TARGET NUMBER: 5

FILE DATE: 12/04/2001

FILE TIME: 03:42

X CENTROID: 0.151

Y CENTROID: -0.158

POA TO CENTROID: 0.218

HORZ SPREAD: 1.544

VERT SPREAD: 2.474

GROUP SPREAD: 2.899

MIN RADIUS: 0.302

MAX RADIUS: 1.498

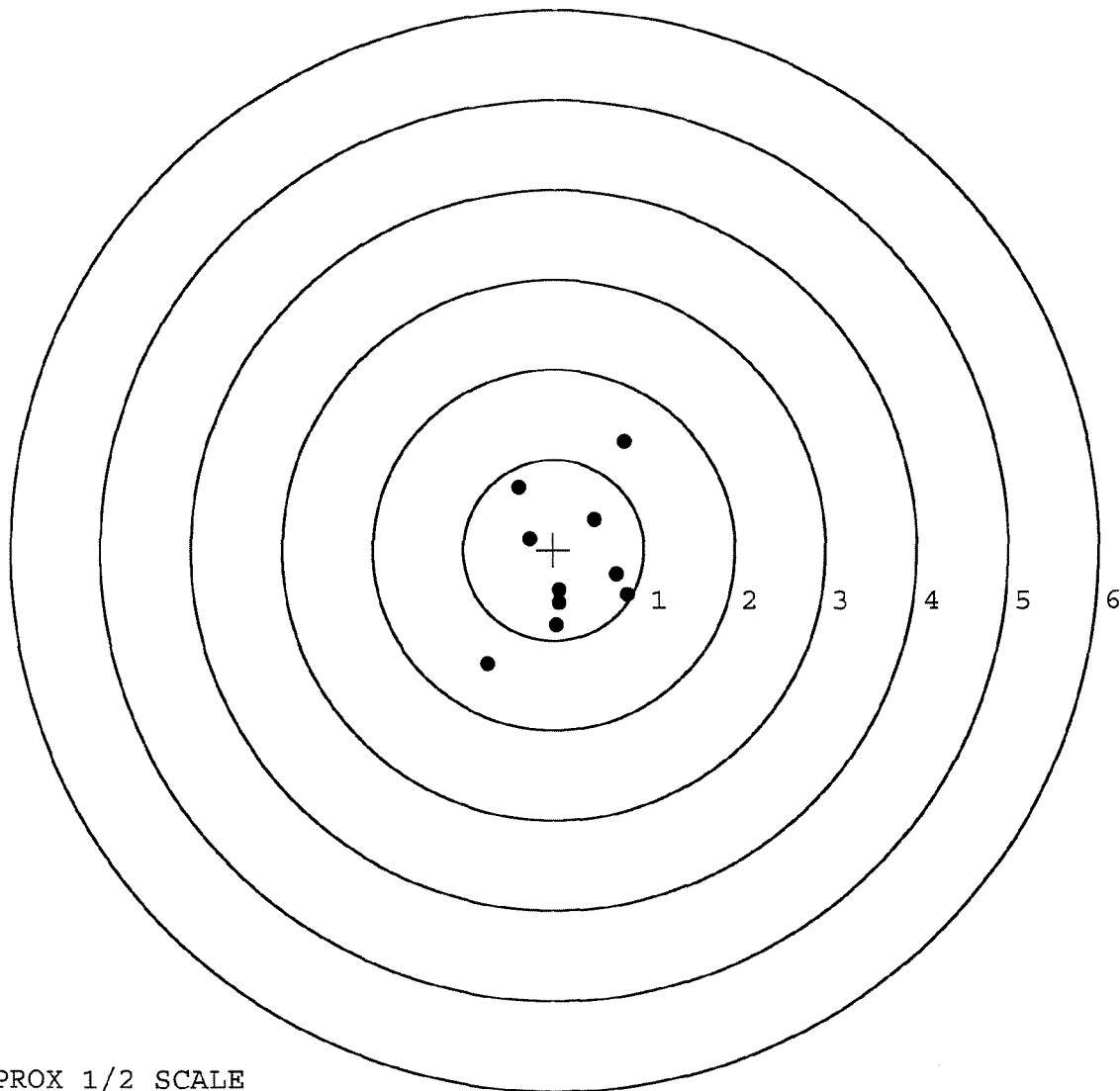
MEAN RADIUS: 0.774

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.782	1.201
2:	0.450	0.336
3:	0.815	-0.497
4:	0.694	-0.273
5:	0.031	-0.838
6:	0.066	-0.448
7:	-0.729	-1.273
8:	-0.272	0.114
9:	-0.391	0.689
10:	0.061	-0.589



TARGET APPROX 1/2 SCALE

Remington



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

MODEL 700™ H24

SERIAL NO.
C6594543

ORDER NO.
5716

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

20



5716 C6594543

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6594543**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/26/90	K.S.
600	Proof		12/26/90	K.S.
607	Check Headspace		12/26/90	K.S.
610	Dis-assemble Gun		12/26/90	K.S.
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		1-7-91	KR
615	Rollmark Caliber		1-7-91	LS
617	Drill and Tap Sight Holes	1	10 91	LB
618	Polish Barrel	1	10 91	WB
620	Apply Coatings (Barrel Action)		1-26-91	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/11/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/11/91	KA
	C) Inspect Ejector Hole for Chamfer		2/11/91	KA
	D) Oil Firing Pin Ass'y		2/11/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2/12/91	KA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6 1/2	6 1/2	6 1/2			2/12/91	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			2/12/91	WB
	H) Trigger Pull Test & Retainability						2/12/91	JK
	I) Firing Pin Indent	.020	.0205	.0205			2/14/91	WB
	J) Assemble Stock						2/13/91	KA
	K) Assemble Swivel Studs						2-26-91	AC
	L) Attach Front and Rear Sight Assemblies						2/13/91	KA
	M) Iron Sight Alignment						2/13/91	KA
	N) Detach Front & Rear Sights & place in numbered container						2/13/91	KA
	O) Attach Scope to Rifle						2/13/91	KA
	P) Detach & Attach Scope 20 Times						2/13/91	KA
640	Gallery Target & Test						2-13-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						2-13-91	AF
655	Final Inspection							
	A) Headspace						2-26-91	AC
	B) Trigger Pull	2.41	2.33	2.36	2.25	2.40	2/22/91	JK
	C) Function						2-26-91	AC
660	Pack						3-14-91	AF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6594543

DATE 2/12/91

TESTER JPL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.16	2.18	2.41	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.23	2.20	2.22	2.33	
PULL #3	2.27	2.17	2.19	2.36	
PULL #4	2.31	2.21	2.20	2.25	
PULL #5	2.26	2.21	2.20	2.48	
TOTAL					
AVG.					

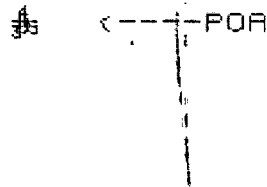
	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.33		
PULL #2	3.49	3.32		
PULL #3	3.41	3.32		
PULL #4	3.46	3.39		
PULL #5	3.41	3.38		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.24		4.16
PULL #2	4.17	4.28		4.29
PULL #3	4.22	4.22		4.33
PULL #4	4.32	4.21		4.47
PULL #5	4.28	4.27		4.49
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594543
14 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.1467
1 TO	2	.0963379
1 TO	3	.190032
1 TO	4	.261559
1 TO	5	.147801



THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1048
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0304
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .10912
THE AMR FOR THIS RIFLE IS: .9502

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8534543

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 3.703

VS= 2.699

GS= 3.735

CENTROID *

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.485

1.238

1.360

MINIMUM X

-2.219

-1.351

-1.229

MAXIMUM Y

1.402

1.383

1.219

MINIMUM Y

-1.297

-1.316

-1.834

CENTROID X

.136

.382

.260

CENTROID Y

-.055

-.036

.128

POA TO CENTROID in.

.146

.384

.290

MIN RADIUS

.445

.391

.230

MEAN RADIUS

1.143

1.027

.897

MAX RADIUS

2.225

1.636

1.595

HORIZONTAL SPREAD

3.703

2.589

2.589

VERTICAL SPREAD

2.699

2.699

2.053

EXTREME SPREAD

3.735

2.748

2.716

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

5

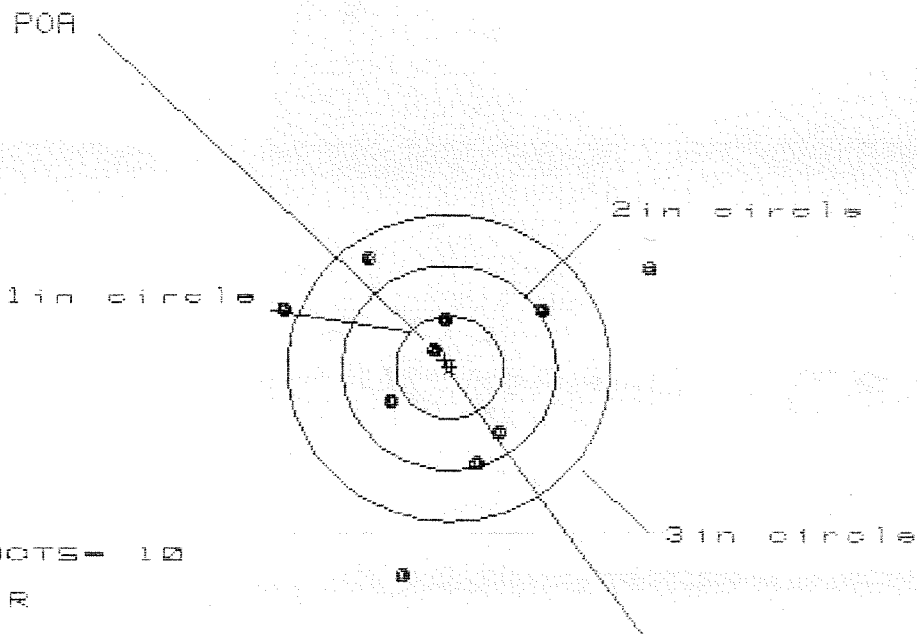
NUMBER IN THREE INCH CIRCLE =

6

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8534543

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 7

HS= 3.345

VS= 3.037

GS= 3.741

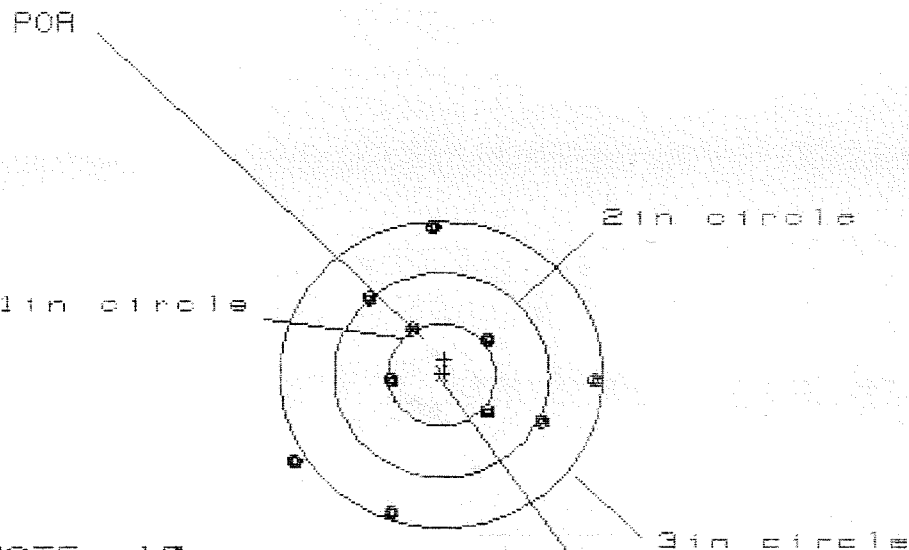
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.829	1.026	1.002
MINIMUM X	:	-1.516	-1.313	-1.337
MAXIMUM Y	:	1.025	1.136	.898
MINIMUM Y	:	-2.012	-1.901	-1.011
CENTROID X	:	.041	-.162	-.138
CENTROID Y	:	-.071	-.182	.056
POA TO CENTROID in.	:	.082	.243	.149
MIN RADIUS	:	.232	.309	.079
MEAN RADIUS	:	1.104	.992	.833
MAX RADIUS	:	2.082	1.911	1.410
HORIZONTAL SPREAD	:	3.345	2.339	2.339
VERTICAL SPREAD	:	3.037	3.037	1.909
EXTREME SPREAD	:	3.741	3.057	2.344
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594543

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.814

VS= 2.778

GS= 2.916

CENTROID #

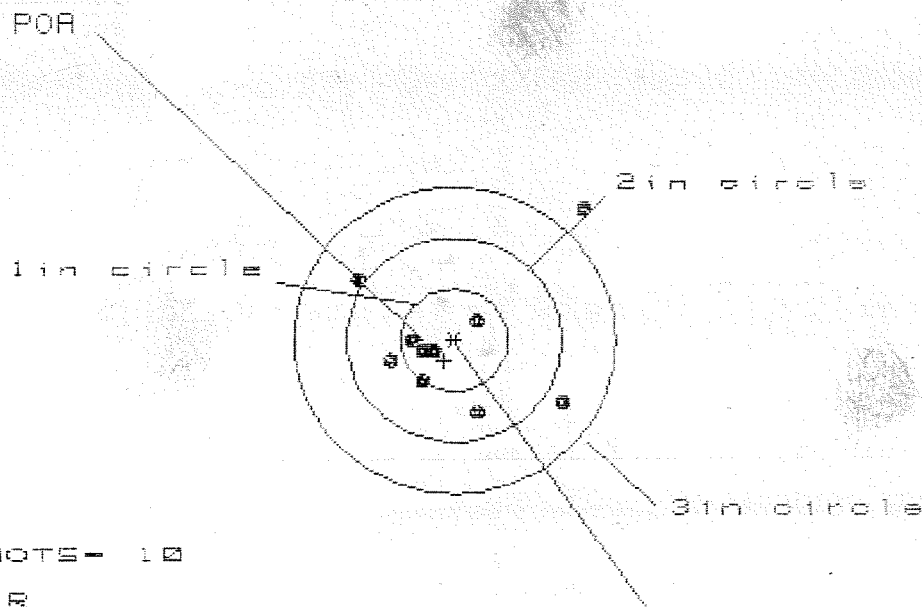
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.452	1.300	1.278
MINIMUM X	:	-1.362	-0.789	-0.811
MAXIMUM Y	:	1.478	1.388	.828
MINIMUM Y	:	-1.300	-1.390	-1.217
CENTROID X	:	-.028	.124	.146
CENTROID Y	:	-.151	-.061	-.234
POA TO CENTROID in.	:	.153	.138	.276
MIN RADIUS	:	.480	.362	.359
MEAN RADIUS	:	.999	.919	.856
MAX RADIUS	:	1.585	1.527	1.382
HORIZONTAL SPREAD	:	2.814	2.089	2.089
VERTICAL SPREAD	:	2.778	2.778	2.045
EXTREME SPREAD	:	2.916	2.815	2.304
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594543

CENTERFIRE PATTERNS

4



OF SHOTS - 10

IN CIR

1in = 4

2in = 7

3in = 9

HS = 2.079

VS = 1.988

GS = 2.384

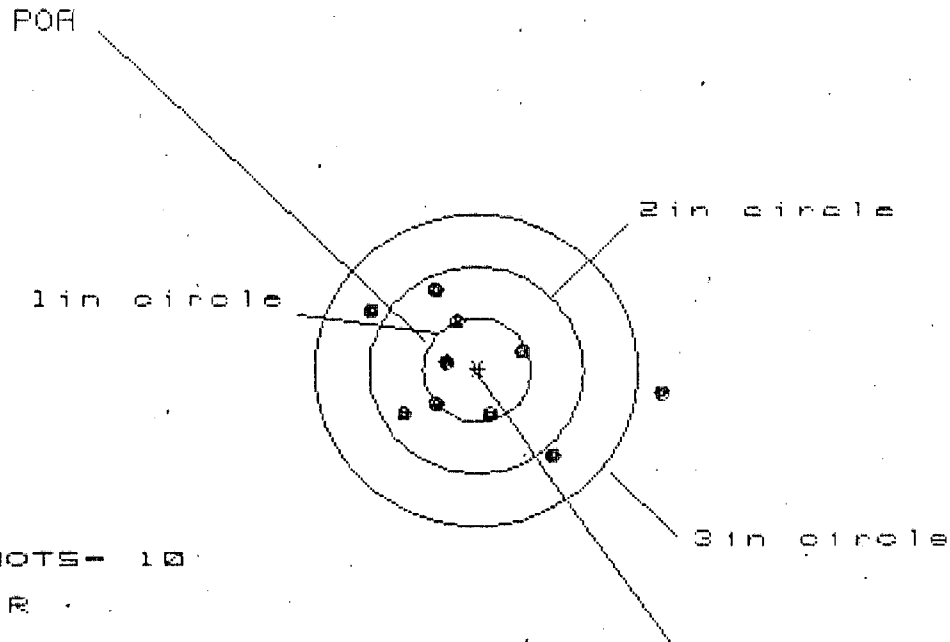
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.229	1.183	.518
MINIMUM X	:	-.850	-.714	-.566
MAXIMUM Y	:	1.320	.696	.637
MINIMUM Y	:	-.668	-.522	-.582
CENTROID X	:	.093	-.043	-.191
CENTROID Y	:	.203	.057	.116
POA TO CENTROID in.	:	.224	.071	.224
MIN RADIUS	:	.213	.053	.068
MEAN RADIUS	:	.718	.531	.403
MAX RADIUS	:	1.803	1.276	.852
HORIZONTAL SPREAD	:	2.079	1.897	1.084
VERTICAL SPREAD	:	1.988	1.218	1.218
EXTREME SPREAD	:	2.384	2.231	1.631
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594543

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 2.676

VS= 1.533

GS= 2.790

CENTROID *

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.693	.895	.796
MINIMUM X	:	-.983	-.795	-.626
MAXIMUM Y	:	.754	.732	.804
MINIMUM Y	:	-.779	-.801	-.729
CENTROID X	:	.282	.094	.193
CENTROID Y	:	-.078	-.057	-.129
POA TO CENTROID in.	:	.293	.110	.232
MIN RADIUS	:	.333	.149	.271
MEAN RADIUS	:	.787	.650	.613
MAX RADIUS	:	1.704	1.201	1.079
HORIZONTAL SPREAD	:	2.676	1.690	1.422
VERTICAL SPREAD	:	1.533	1.533	1.533
EXTREME SPREAD	:	2.790	2.180	1.882
NUMBER IN ONE INCH CIRCLE =	:	4		
NUMBER IN TWO INCH CIRCLE =	:	7		
NUMBER IN THREE INCH CIRCLE =	:	9		