

C6522334

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6522334.___0
FILE DATE AND TIME: 10/28/2003 10:28

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.021
The Average Y Centroid of the Five Target Set:	0.116
The Average Point of Impact of the Five Target Set:	0.118
The Average Mean Radius of the Five Target Set:	0.534
The Distance from POA to Centroid Target #1:	0.234
The Distance from Centroid Target #2 to Centroid Target #1:	0.195
The Distance from Centroid Target #3 to Centroid Target #1:	0.236
The Distance from Centroid Target #4 to Centroid Target #1:	0.280
The Distance from Centroid Target #5 to Centroid Target #1:	0.218

SERIAL NUMBER: G6522334. 0

TARGET NUMBER: 1

FILE DATE: 10/28/2003

FILE TIME: 10:28

X CENTROID: 0.027

Y CENTROID: 0.232

POA TO CENTROID: 0.234

HORZ SPREAD: 1.082

VERT SPREAD: 1.546

GROUP SPREAD: 1.874

MIN RADIUS: 0.247

MAX RADIUS: 1.167

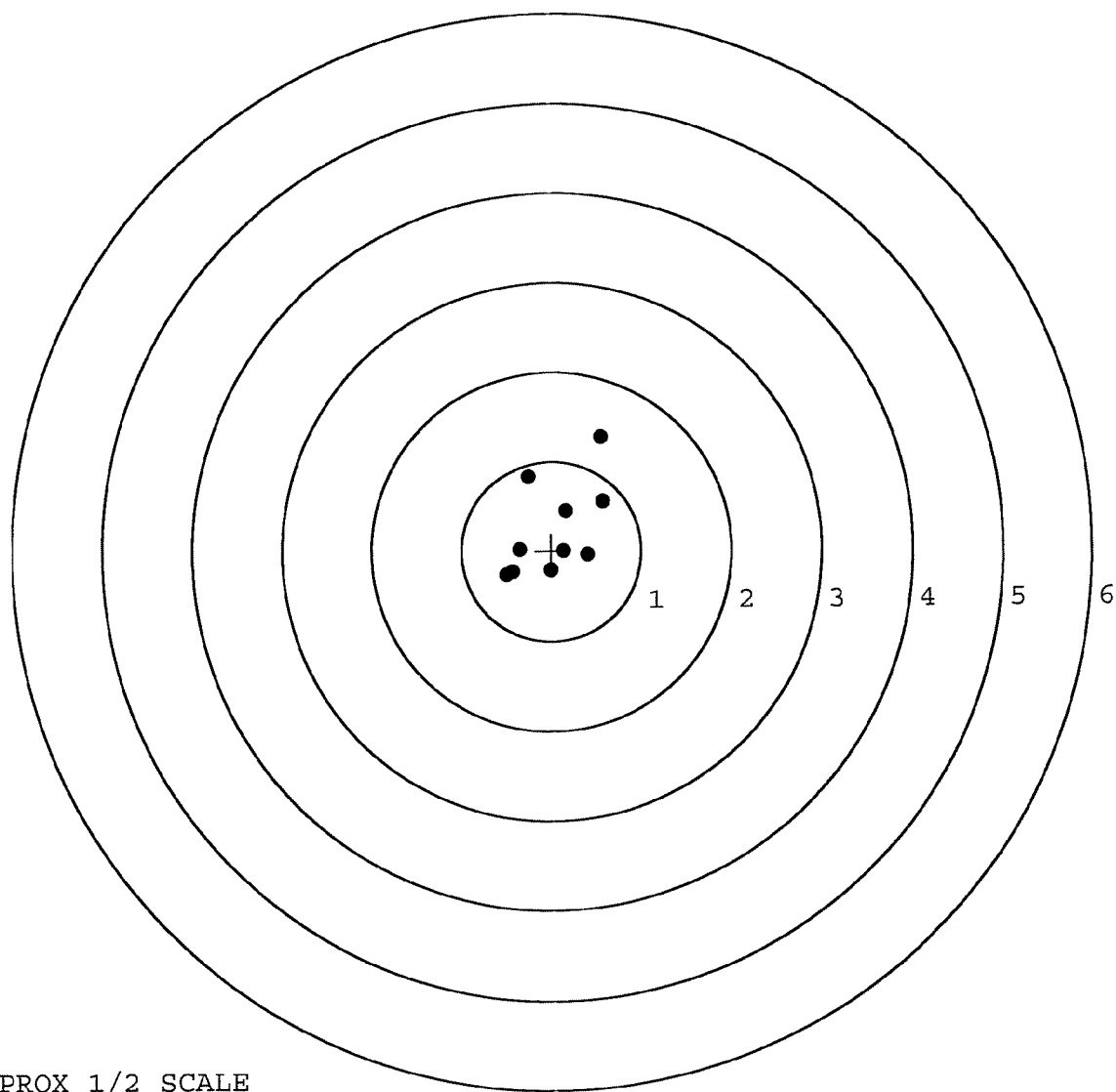
MEAN RADIUS: 0.573

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.555	1.273
2:	-0.254	0.828
3:	0.578	0.550
4:	0.161	0.440
5:	-0.359	0.018
6:	-0.504	-0.273
7:	-0.011	-0.221
8:	0.403	-0.053
9:	0.137	-0.007
10:	-0.436	-0.234



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6522334. __0

TARGET NUMBER: 2

FILE DATE: 10/28/2003

FILE TIME: 10:28

X CENTROID: -0.112

Y CENTROID: 0.369

POA TO CENTROID: 0.386

HORZ SPREAD: 1.329

VERT SPREAD: 2.077

GROUP SPREAD: 2.229

MIN RADIUS: 0.152

MAX RADIUS: 1.385

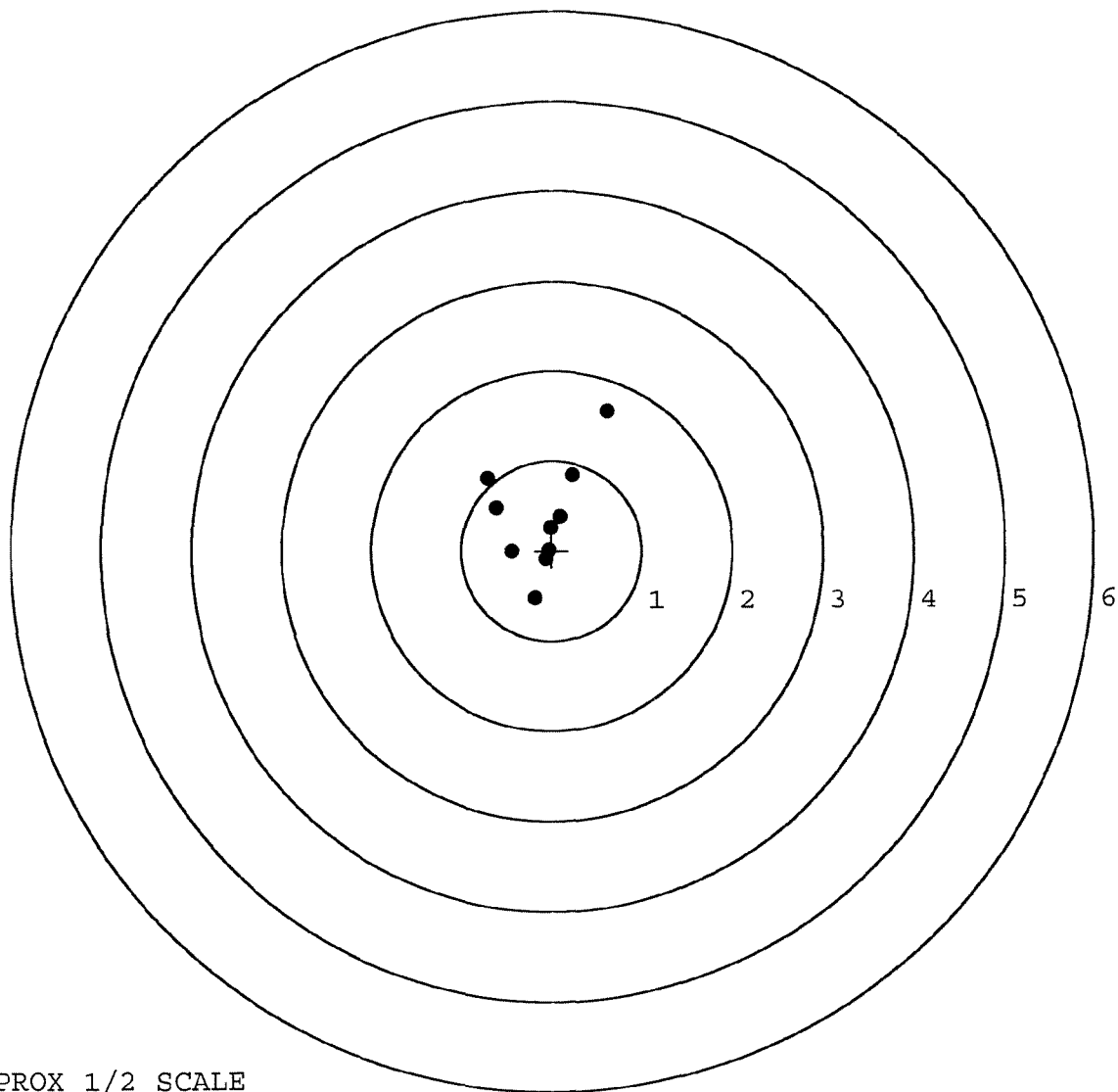
MEAN RADIUS: 0.582

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.617	1.547
2:	-0.712	0.809
3:	-0.614	0.481
4:	0.233	0.837
5:	-0.443	0.003
6:	-0.192	-0.530
7:	-0.067	-0.094
8:	0.096	0.375
9:	-0.011	0.256
10:	-0.028	0.007

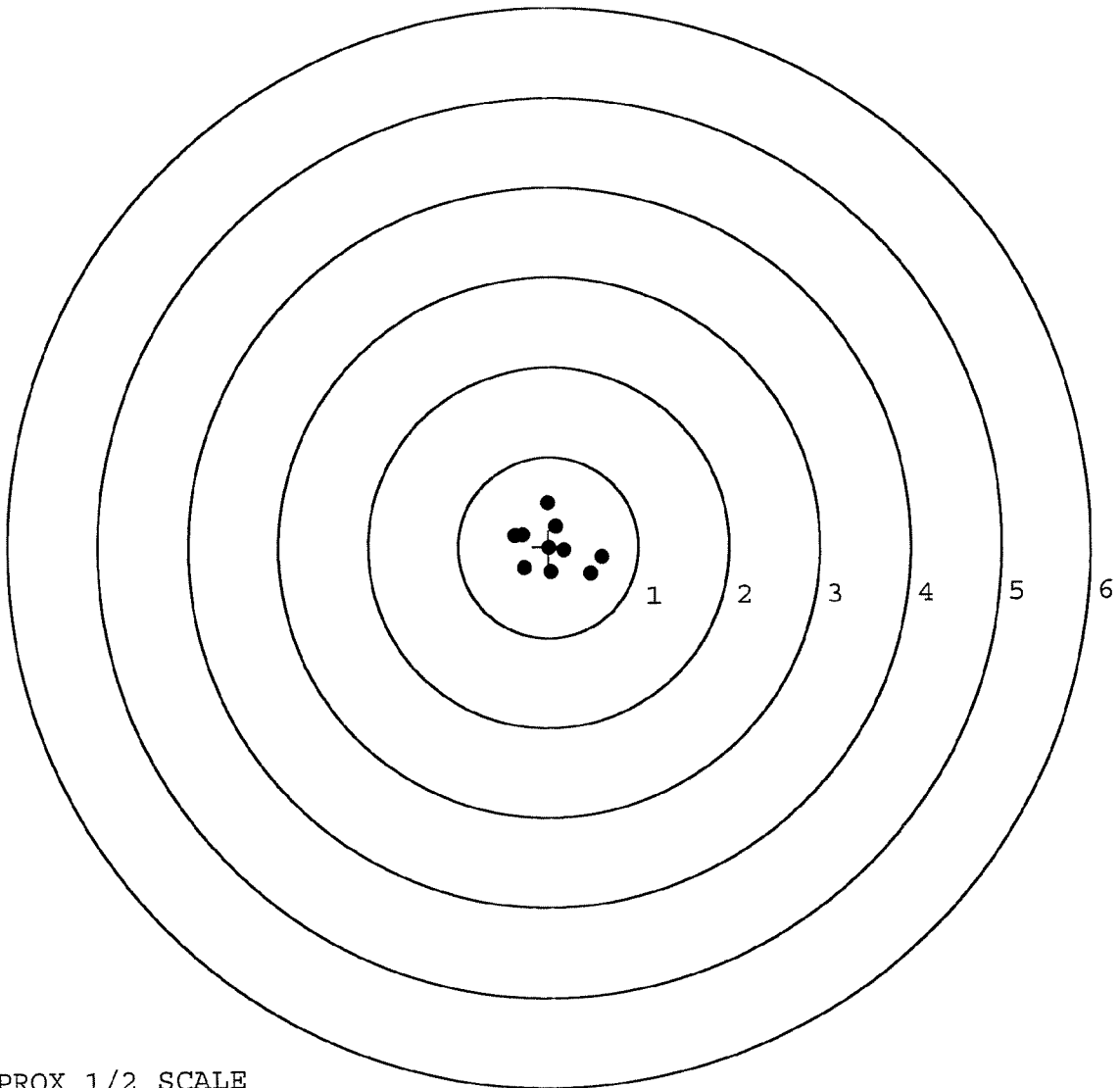


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6522334. __0
 TARGET NUMBER: 3
 FILE DATE: 10/28/2003
 FILE TIME: 10:28

POINT#	X	Y
1:	-0.007	0.485
2:	-0.380	0.129
3:	-0.277	-0.237
4:	0.024	-0.285
5:	0.460	-0.305
6:	0.591	-0.126
7:	0.167	-0.041
8:	0.080	0.221
9:	-0.288	0.140
10:	0.002	-0.016

X CENTROID: 0.037
 Y CENTROID: -0.004
 POA TO CENTROID: 0.037
 HORZ SPREAD: 0.971
 VERT SPREAD: 0.790
 GROUP SPREAD: 1.004
 MIN RADIUS: 0.037
 MAX RADIUS: 0.567
 MEAN RADIUS: 0.344
 # IN 1 IN DIAMETER: 8
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

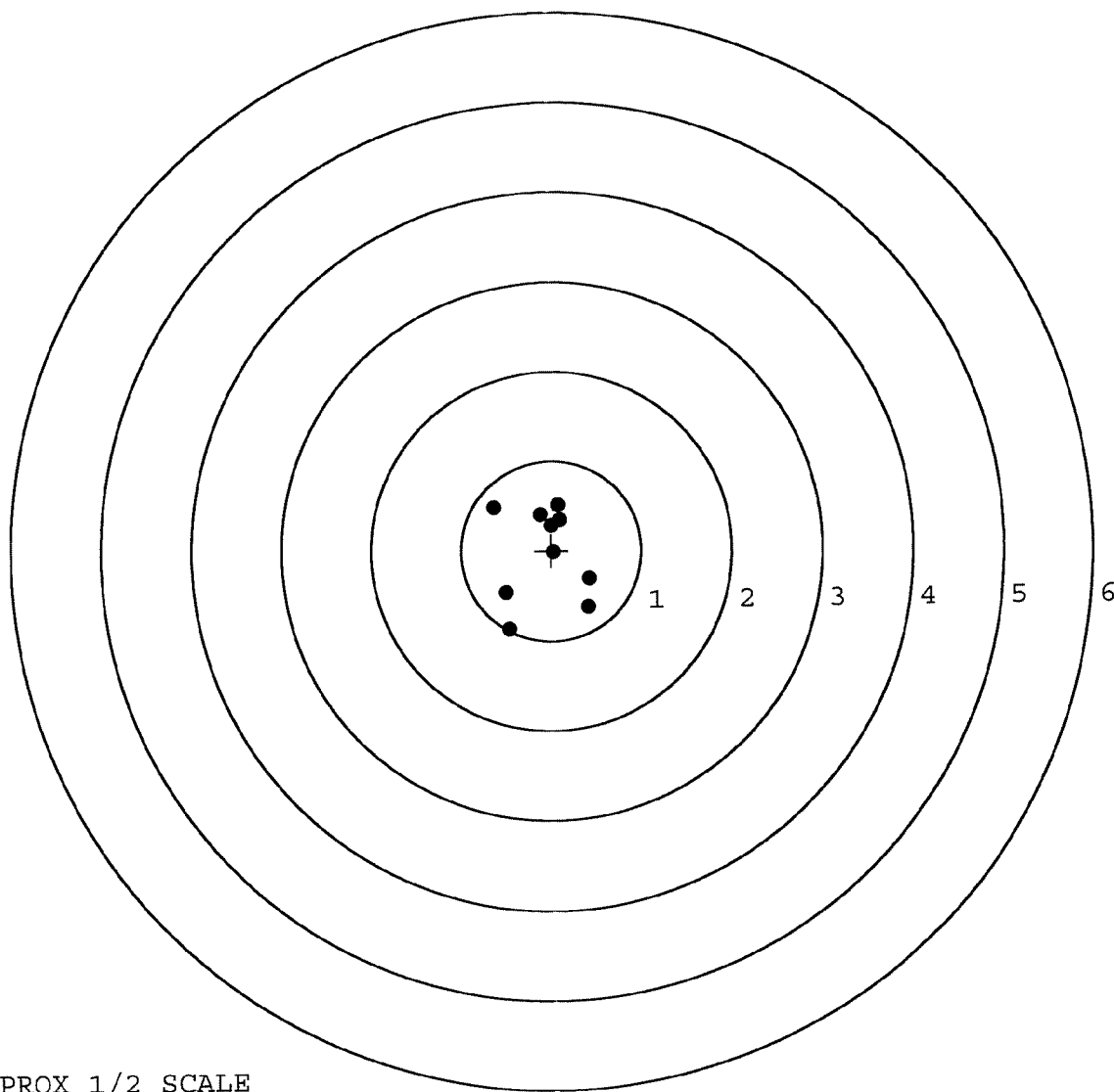


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6522334. __0
 TARGET NUMBER: 4
 FILE DATE: 10/28/2003
 FILE TIME: 10:28

POINT#	X	Y
1:	-0.639	0.485
2:	-0.511	-0.461
3:	-0.474	-0.868
4:	0.408	-0.631
5:	0.424	-0.318
6:	0.078	0.503
7:	-0.126	0.398
8:	0.096	0.336
9:	0.025	-0.025
10:	0.006	0.275

X CENTROID: -0.071
 Y CENTROID: -0.031
 POA TO CENTROID: 0.078
 HORZ SPREAD: 1.063
 VERT SPREAD: 1.371
 GROUP SPREAD: 1.478
 MIN RADIUS: 0.096
 MAX RADIUS: 0.929
 MEAN RADIUS: 0.545
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6522334. 0

TARGET NUMBER: 5

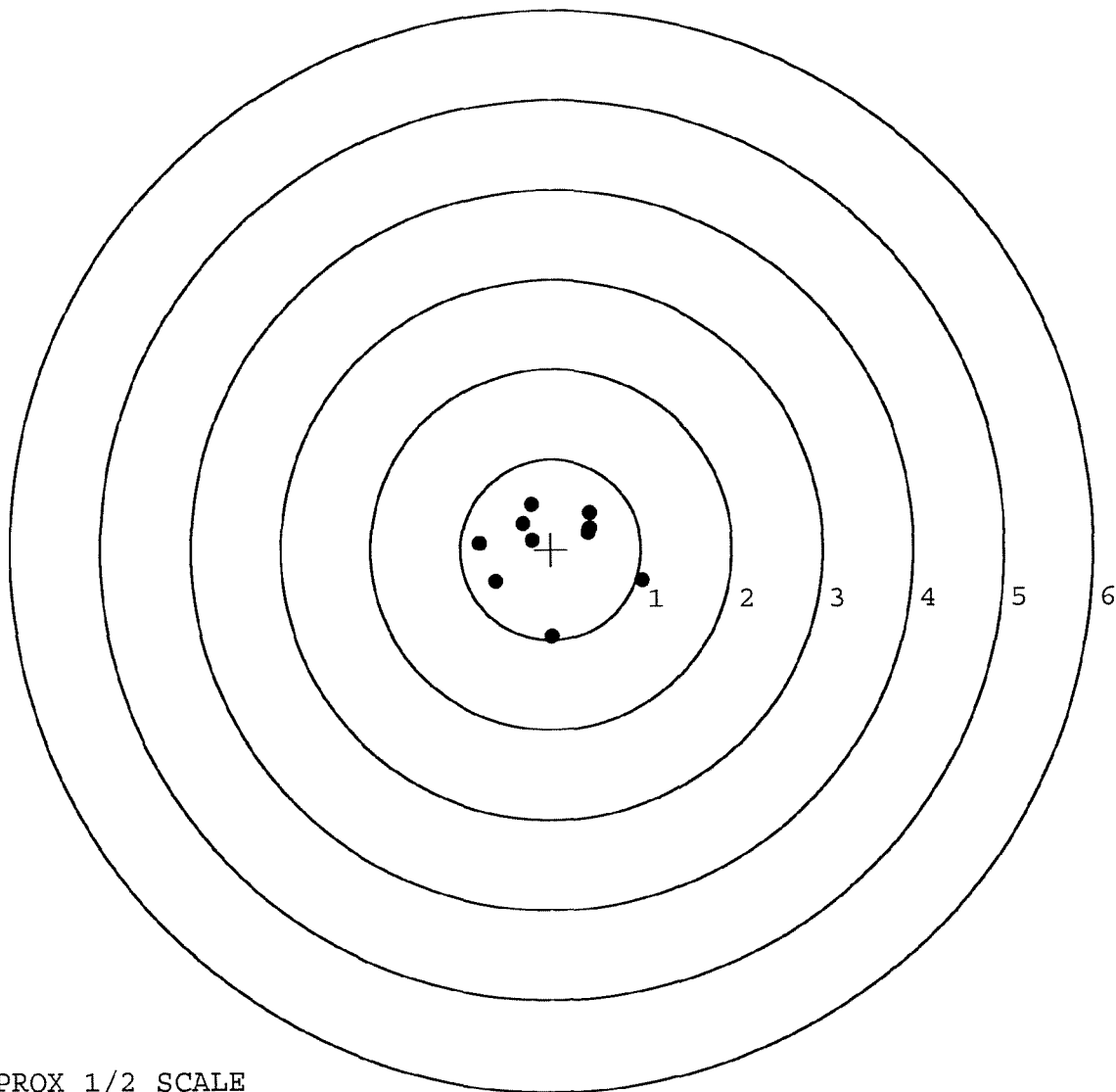
FILE DATE: 10/28/2003

FILE TIME: 10:28

X CENTROID: 0.014
Y CENTROID: 0.015
POA TO CENTROID: 0.020
HORZ SPREAD: 1.810
VERT SPREAD: 1.461
GROUP SPREAD: 1.859
MIN RADIUS: 0.241
MAX RADIUS: 1.067
MEAN RADIUS: 0.627

POINT#	X	Y
1:	-0.224	0.494
2:	-0.316	0.292
3:	-0.210	0.104
4:	0.428	0.409
5:	0.411	0.189
6:	1.018	-0.347
7:	0.007	-0.967
8:	-0.615	-0.348
9:	-0.792	0.078
10:	0.432	0.242

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	113050		FORT BRAGG	
SERIAL NUMBER	C65223341			
LOG-IN DATE	5-31-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6-13-06	AC
505	RE-BARREL		6-15-06	AC
560	ASSEMBLE		6-22-06	AC
600	PROOF	MAGNA - FLUX INSPECTED	6-22-06	AC
605	CHECK HEADSPACE		6-22-06	AC
610	DIS-ASSEMBLE GUN	JUN 17 2006	6-22-06	AC
612	MAGNAFLUX	OPERATOR <u>OPD</u>	6-27-06	APD
510	DRILL AND TAP		6-26-06	TRW
615	ROLLMARK CALIBER		6-27-06	CW
618	ROTO-BLAST		6-29-06	LB
620	APPLY COATINGS		7/6	HP
625	FINAL ASSEMBLY		7-10-06	AC
640	FUNCTION TEST AND	PASS FAIL	7-11-06	MM
650	TARGET	PASS FAIL	7-11-06	MM
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		7-13-06	AC
	A) HEADSPACE	PASS FAIL	7-13-06	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.80 2.71 2.73 2.73 2.79 7-12-06	OA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	6.0 5.5 5.5 7-12-06	OA
	G) SAFETY OFF FORCE	2 LBS MIN	2.5 2.5 2.0 7-12-06	OA
	I) FIRING PIN INDENT	.020	1.022 1.023 1.023 7-12-06	OA
690	PACK		8-4-06	OA

Remington[®]

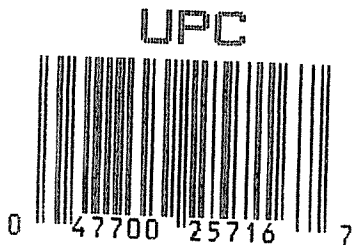

REG. U.S. PAT. & TM. OFF.

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

MODEL 700 TM M24	SERIAL NO. C6522334
	ORDER NO. 5716

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

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CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522334
7 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.453442
1 TO	2	.406795
1 TO	3	.32145
1 TO	4	.609978
1 TO	5	.686768

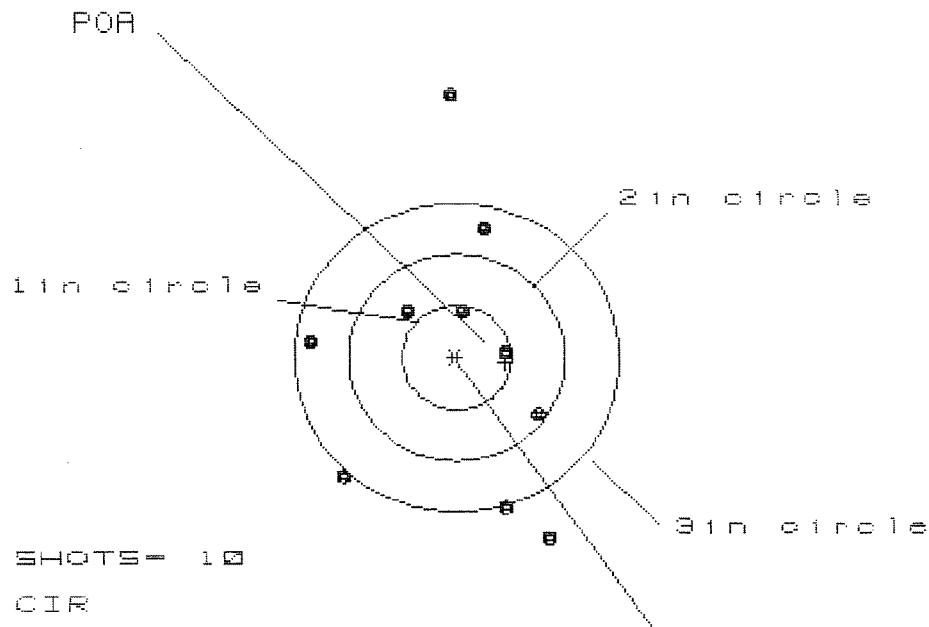
1²_{avg} <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0804
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0354
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0878483
THE AMR FOR THIS RIFLE IS: 1.092

7 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522334

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 2

2in = 4

3in = 6

HS = 2.248

VS = 4.258

GS = 4.348

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.855	.852	.825
MINIMUM X	-1.393	-1.396	-1.289
MAXIMUM Y	2.550	1.552	1.373
MINIMUM Y	-1.709	-1.425	-1.331
CENTROID X	-.451	-.448	-.555
CENTROID Y	.047	-.237	-.058
POA TO CENTROID in.	.453	.507	.558
MIN RADIUS	.410	.593	.531
MEAN RADIUS	1.263	1.131	1.037
MAX RADIUS	2.550	1.661	1.456
HORIZONTAL SPREAD	2.248	2.248	2.114
VERTICAL SPREAD	4.259	2.977	2.705
EXTREME SPREAD	4.348	3.031	2.755
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	6		

7 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522334

CENTERFIRE PATTERNS # 2

POR

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 1.498

VS= 3.762

GS= 3.770

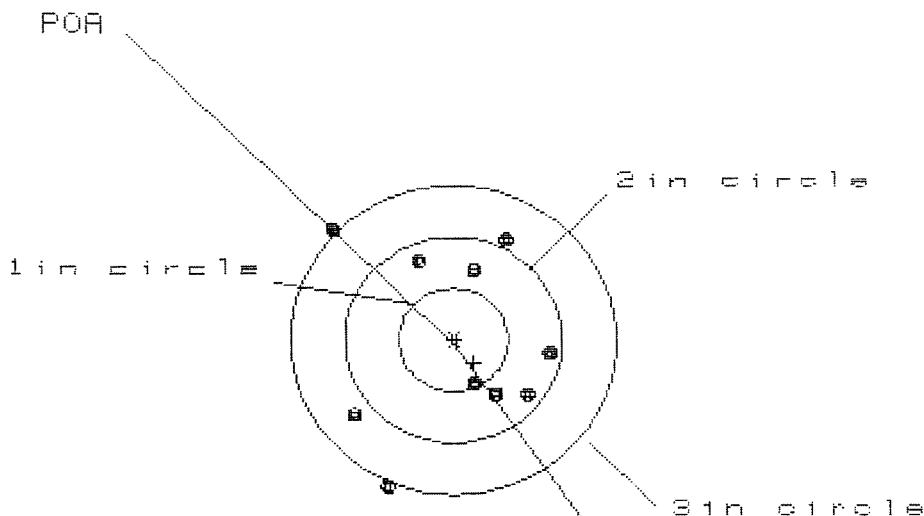
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.742	.731	.748
MINIMUM X	:	-.756	-.767	-.750
MAXIMUM Y	:	1.692	1.463	1.281
MINIMUM Y	:	-2.070	-.983	-.801
CENTROID X	:	-.062	-.051	-.068
CENTROID Y	:	-.072	.158	-.024
POR TO CENTROID in.	:	.095	.166	.072
MIN RADIUS	:	.438	.214	.393
MEAN RADIUS	:	1.039	.904	.826
MAX RADIUS	:	2.072	1.469	1.284
HORIZONTAL SPREAD	:	1.498	1.498	1.498
VERTICAL SPREAD	:	3.762	2.446	2.082
EXTREME SPREAD	:	3.770	2.576	2.160
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

7 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522334

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS = 2.026

VS = 2.546

GS = 2.663

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.912	.788	.701
MINIMUM X	:	-1.114	-1.015	-1.102
MAXIMUM Y	:	1.113	1.117	.954
MINIMUM Y	:	-1.433	-1.310	-.728
CENTROID X	:	-.184	-.060	.027
CENTROID Y	:	.226	.103	.266
POA TO CENTROID in.	:	.292	.119	.268
MIN RADIUS	:	.427	.269	.429
MEAN RADIUS	:	.982	.881	.798
MAX RADIUS	:	1.574	1.485	1.321
HORIZONTAL SPREAD	:	2.026	1.803	1.803
VERTICAL SPREAD	:	2.546	2.427	1.681
EXTREME SPREAD	:	2.663	2.663	2.196
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

7 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522334

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS - 10

IN CIR

1 in = 0

2 in = 3

3 in = 7

HS = 2.237

VS = 3.133

GS = 3.616

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.116	1.022	.941
MINIMUM X	:	-1.121	-1.215	-1.296
MAXIMUM Y	:	1.165	.946	.736
MINIMUM Y	:	-1.968	-1.676	-1.306
CENTROID X	:	.141	.235	.316
CENTROID Y	:	-.100	.118	.328
POA TO CENTROID in.	:	.173	.263	.455
MIN RADIUS	:	.821	.606	.421
MEAN RADIUS	:	1.285	1.137	.986
MAX RADIUS	:	2.143	1.796	1.840
HORIZONTAL SPREAD	:	2.237	2.237	2.237
VERTICAL SPREAD	:	3.133	2.622	2.042
EXTREME SPREAD	:	3.616	3.026	2.914
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

7 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522334

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS = 2.352

VS = 2.454

GS = 2.692

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.175	1.045	1.041
MINIMUM X	:	-1.177	-.934	-.938
MAXIMUM Y	:	1.442	1.340	.823
MINIMUM Y	:	-1.012	-1.114	-.947
CENTROID X	:	.154	.284	.288
CENTROID Y	:	-.278	-.176	-.343
POA TO CENTROID in.	:	.318	.334	.448
MIN RADIUS	:	.309	.441	.364
MEAN RADIUS	:	.892	.828	.740
MAX RADIUS	:	1.497	1.340	1.047
HORIZONTAL SPREAD	:	2.352	1.979	1.979
VERTICAL SPREAD	:	2.454	2.454	1.770
EXTREME SPREAD	:	2.692	2.463	1.995
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C65 22334

DATE 8/29/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.26	2.30	2.59	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.21	2.27	2.51	
PULL #3	2.36	2.27	2.22	2.69	
PULL #4	2.31	2.36	2.23	2.69	
PULL #5	2.26	2.27	2.21	2.51	
TOTAL	11.62	11.38	11.23		
AVG.	2.324	2.276	2.246		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.52	3.43		
PULL #2	3.48	3.44		
PULL #3	3.50	3.43		
PULL #4	3.44	3.45		
PULL #5	3.42	3.45		
TOTAL	17.36	17.20		
AVG.	3.472	3.44		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.16	4.17		4.22
PULL #2	4.17	4.11		4.19
PULL #3	4.19	4.15		4.18
PULL #4	4.16	4.21		4.18
PULL #5	4.17	4.20		4.13
TOTAL	20.85	20.84		20.90
AVG.	4.17	4.168		4.18

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522334

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 12	90	RW
600	Proof	7 12	90	RW
607	Check Headspace	7 12	90	RW
610	Dis-assemble Gun	7 12	90	RW
612	Magnaflux Barrel Action		7-17-90	KR
	Magnaflux Bolt		7-17-90	KR
615	Rollmark Caliber		7-17-90	KR
617	Drill and Tap Sight Holes		7/23/90	LB
618	Polish Barrel RB		7/24/90	WB
620	Apply Coatings (Barrel Action)		8-6-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/8/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/8/90	RW
	C) Inspect Ejector Hole for Chamfer		8/8/90	RW
	D) Oil Firing Pin Ass'y		8/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/29/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			8/29/90	WLB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			8/29/90	WLB
	H) Trigger Pull Test & Retainability						8/29/90	JH
	I) Firing Pin Indent	.023	.0235	.0235			8/29/90	WLB
	J) Assemble Stock						9/5/90	RW
	K) Assemble Swivel Studs						9/9/90	JS
	L) Attach Front and Rear Sight Assemblies						9/5/90	RW
	M) Iron Sight Alignment						9/5/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/5/90	RW
	O) Attach Scope to Rifle						9/5/90	RW
	P) Detach & Attach Scope 20 Times						9/5/90	RW
640	Gallery Target & Test						9-7-90	DH
	A) Time						9-7-90	DH
	B) Malfunctions						9-7-90	DH
	C) Pierced Primers						9-7-90	DH
	D) Optical Clarity of Scope						9-7-90	DH
645	Inspect for Live Ammo						9-7-90	DH
655	Final Inspection							
	A) Headspace						9/9/90	JS
	B) Trigger Pull	259	257	269	269	251	9/9/90	JS
	C) Function						9/9/90	JS
660	Pack						9/9/90	DH