

C6522330

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Serial Number: C6522330

Model: M24 SWS



RE00102777

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522330.___0
FILE DATE AND TIME: 11/23/2005 21:27

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.086
The Average Y Centroid of the Five Target Set:	0.142
The Average Point of Impact of the Five Target Set:	0.166
The Average Mean Radius of the Five Target Set:	0.651
The Distance from POA to Centroid Target #1:	0.163
The Distance from Centroid Target #2 to Centroid Target #1:	0.232
The Distance from Centroid Target #3 to Centroid Target #1:	0.237
The Distance from Centroid Target #4 to Centroid Target #1:	0.305
The Distance from Centroid Target #5 to Centroid Target #1:	0.093

SERIAL NUMBER: C6522330. __0

TARGET NUMBER: 1

FILE DATE: 11/23/2005

FILE TIME: 21:27

POINT#	X	Y
1:	0.637	-0.433
2:	0.332	-0.400
3:	-0.159	-0.668
4:	-0.307	-0.055
5:	-1.101	0.109
6:	-0.658	0.341
7:	-0.200	0.505
8:	0.179	0.252
9:	0.507	0.332
10:	0.689	1.647

X CENTROID: -0.008

Y CENTROID: 0.163

POA TO CENTROID: 0.163

HORZ SPREAD: 1.790

VERT SPREAD: 2.315

GROUP SPREAD: 2.465

MIN RADIUS: 0.207

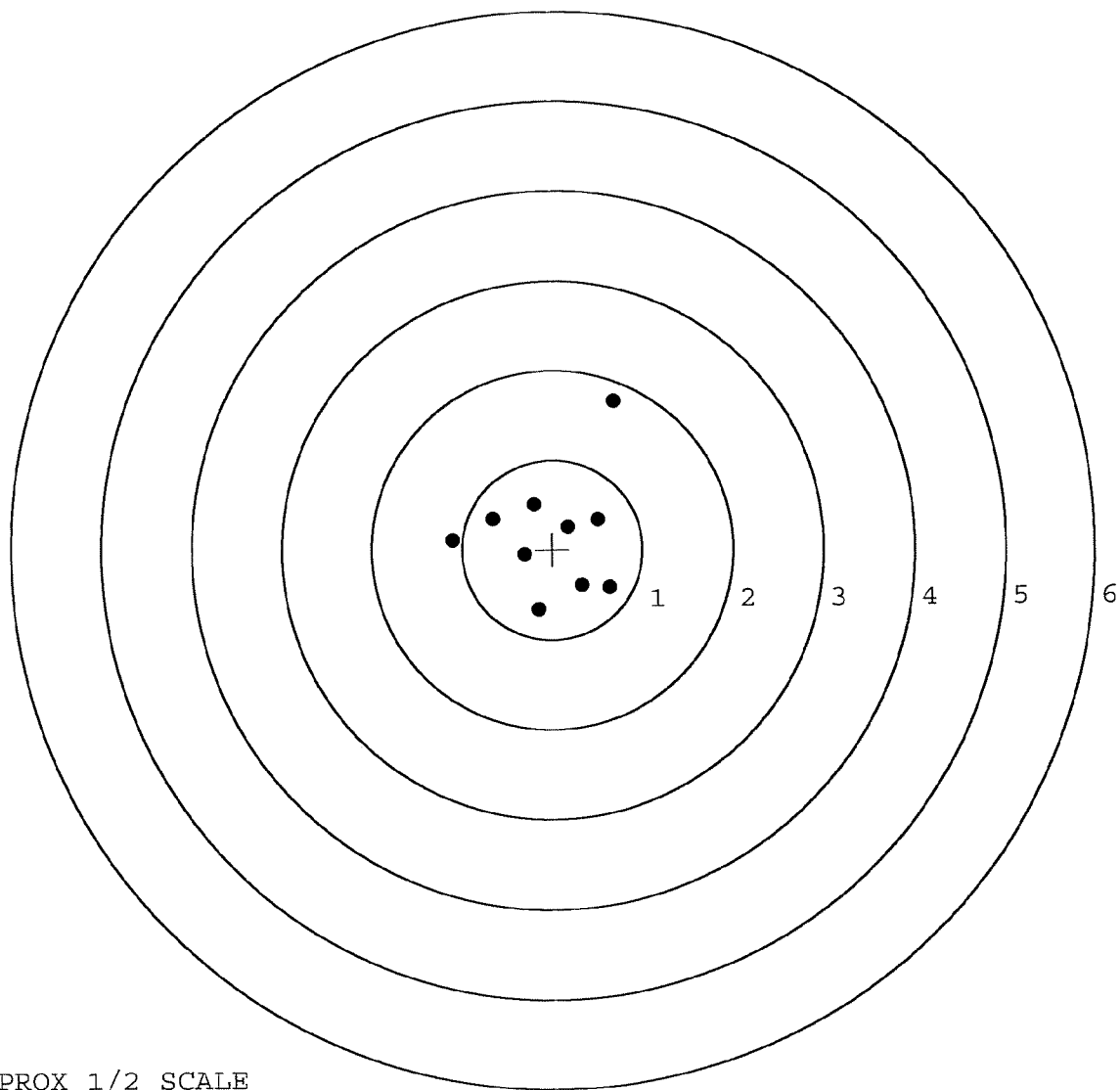
MAX RADIUS: 1.640

MEAN RADIUS: 0.730

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

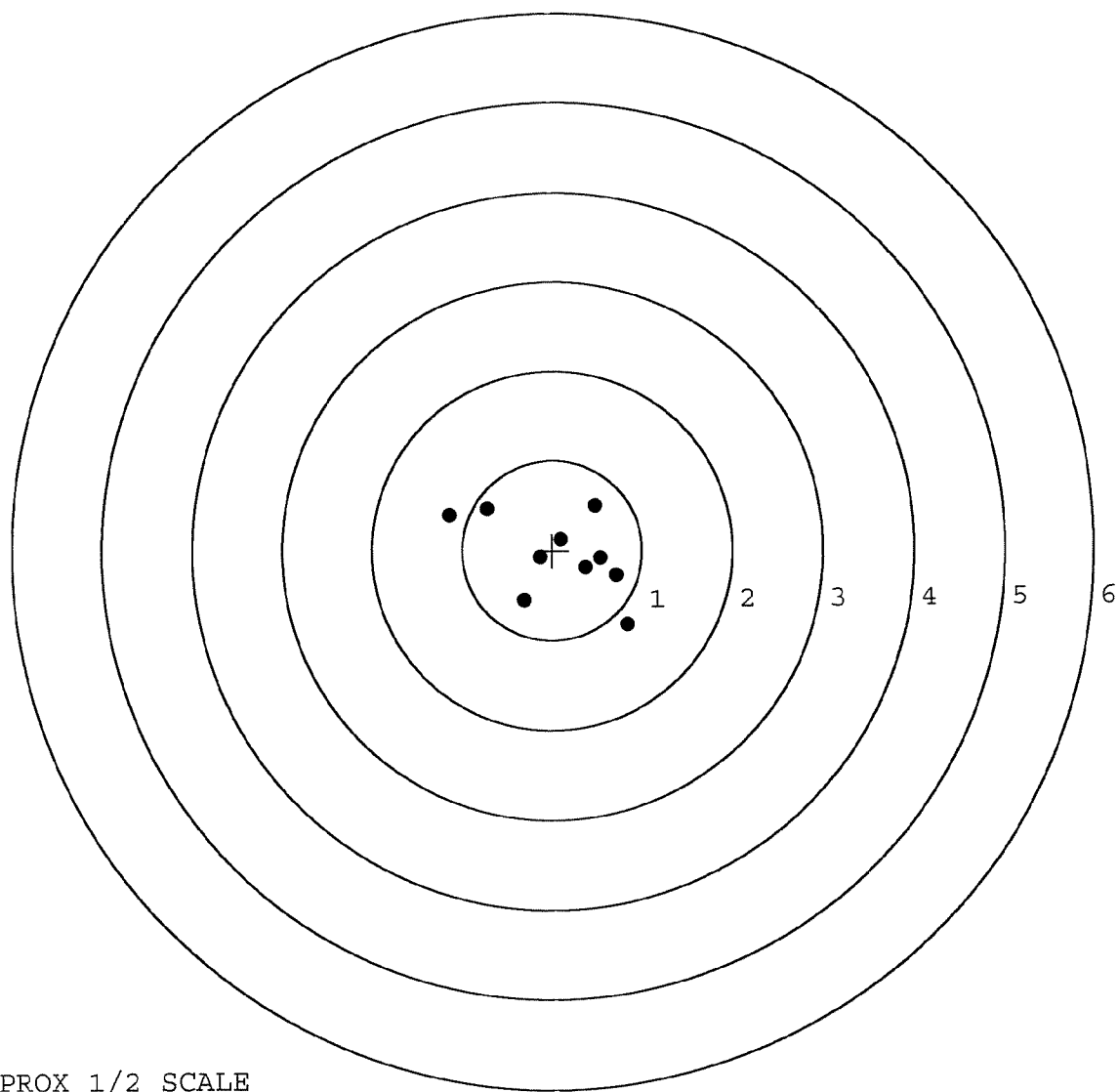


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522330.___0
TARGET NUMBER: 2
FILE DATE: 11/23/2005
FILE TIME: 21:27

X CENTROID: 0.072
Y CENTROID: -0.055
POA TO CENTROID: 0.091
HORZ SPREAD: 1.970
VERT SPREAD: 1.336
GROUP SPREAD: 2.328
MIN RADIUS: 0.177
MAX RADIUS: 1.296
MEAN RADIUS: 0.651
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.135	-0.076
2:	-0.314	-0.556
3:	0.485	0.499
4:	-0.719	0.467
5:	-1.140	0.403
6:	0.830	-0.837
7:	0.711	-0.286
8:	0.534	-0.089
9:	0.371	-0.196
10:	0.099	0.120

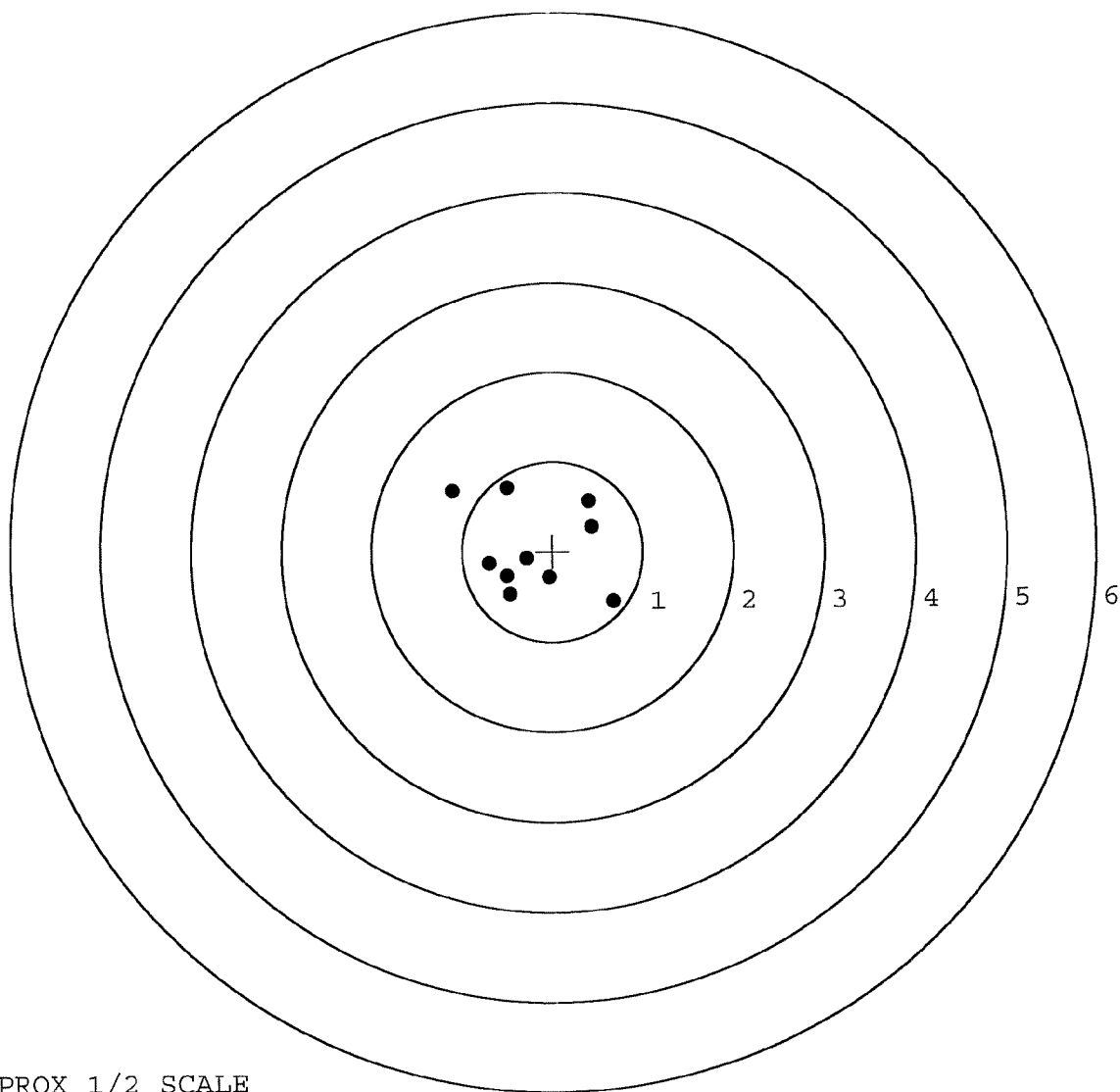


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522330. __0
TARGET NUMBER: 3
FILE DATE: 11/23/2005
FILE TIME: 21:27

X CENTROID: -0.212
Y CENTROID: 0.042
POA TO CENTROID: 0.216
HORZ SPREAD: 1.770
VERT SPREAD: 1.267
GROUP SPREAD: 2.155
MIN RADIUS: 0.141
MAX RADIUS: 1.091
MEAN RADIUS: 0.642
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.440	0.269
2:	0.403	0.554
3:	-0.505	0.712
4:	-1.100	0.675
5:	-0.289	-0.076
6:	-0.046	-0.291
7:	-0.478	-0.473
8:	-0.510	-0.270
9:	-0.701	-0.130
10:	0.670	-0.555

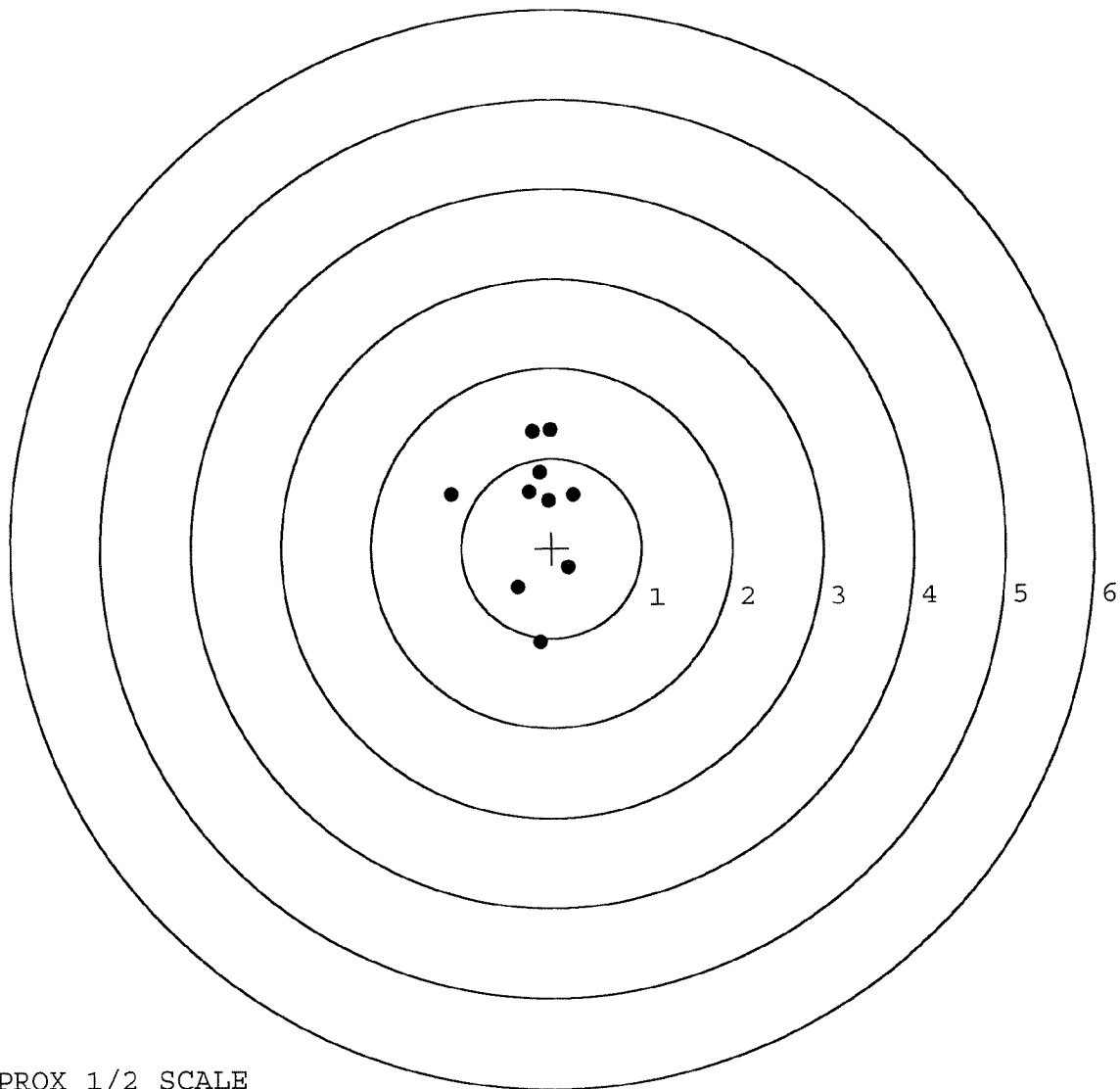


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522330. __0
TARGET NUMBER: 4
FILE DATE: 11/23/2005
FILE TIME: 21:27

X CENTROID: -0.184
Y CENTROID: 0.413
POA TO CENTROID: 0.452
HORZ SPREAD: 1.355
VERT SPREAD: 2.371
GROUP SPREAD: 2.374
MIN RADIUS: 0.191
MAX RADIUS: 1.466
MEAN RADIUS: 0.714
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.183	-0.214
2:	-0.386	-0.435
3:	-0.034	0.532
4:	0.244	0.599
5:	-0.250	0.627
6:	-0.128	0.846
7:	-0.010	1.319
8:	-0.207	1.296
9:	-1.111	0.611
10:	-0.137	-1.052

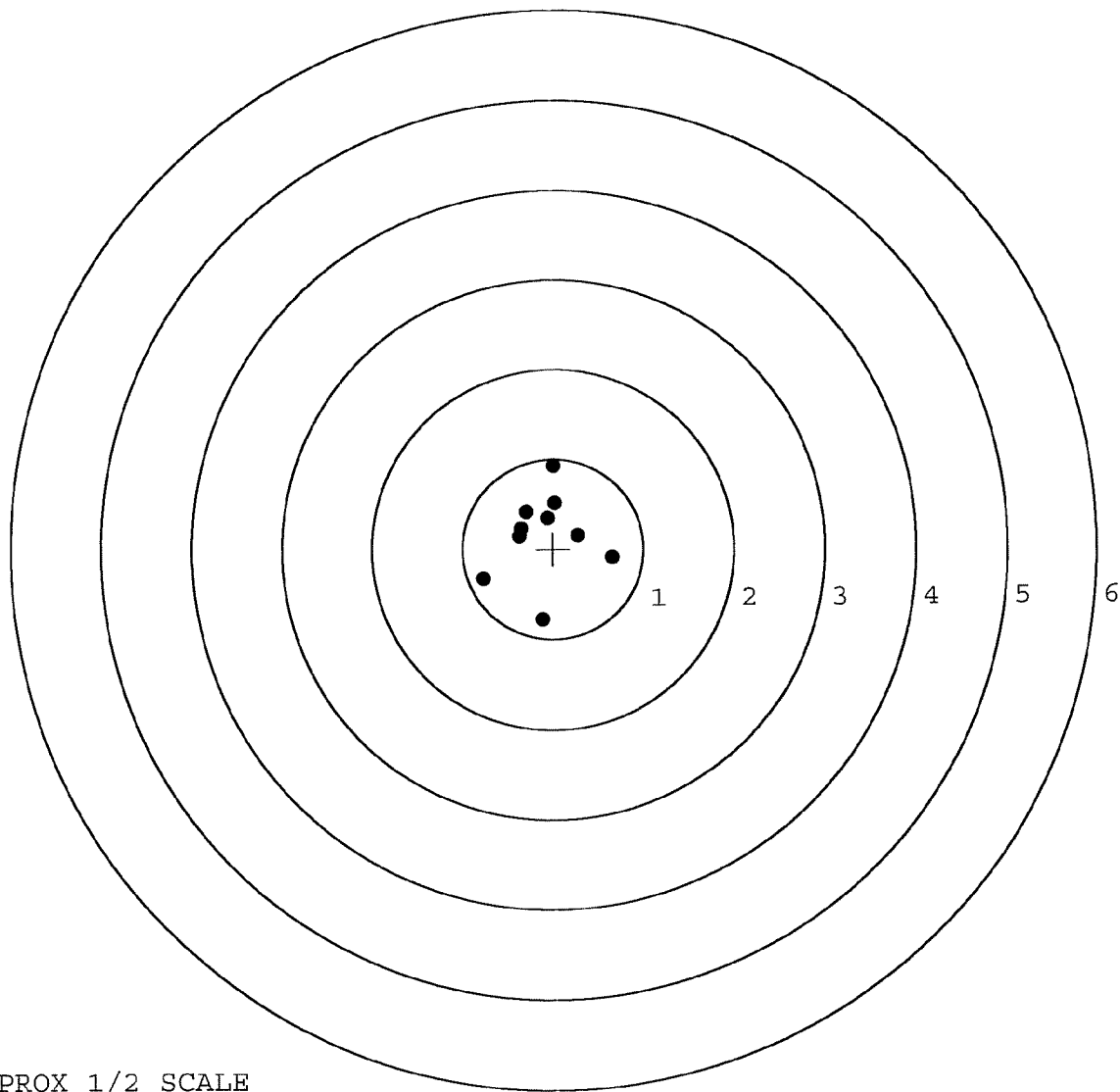


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522330. __0
TARGET NUMBER: 5
FILE DATE: 11/23/2005
FILE TIME: 21:27

X CENTROID: -0.100
Y CENTROID: 0.149
POA TO CENTROID: 0.180
HORZ SPREAD: 1.426
VERT SPREAD: 1.708
GROUP SPREAD: 1.713
MIN RADIUS: 0.201
MAX RADIUS: 0.938
MEAN RADIUS: 0.517
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.659	-0.103
2:	0.278	0.152
3:	0.025	0.509
4:	-0.298	0.419
5:	-0.375	0.142
6:	-0.767	-0.331
7:	-0.121	-0.788
8:	0.012	0.920
9:	-0.060	0.346
10:	-0.355	0.227



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	102777		Camp Shelby	
SERIAL NUMBER	C 6522330			
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-18-05	Ac
505	RE-BARREL		11-18-05	Ac
560	ASSEMBLE		11-18-05	Ac
600	PROOF	MAGNA-FLUX INSPECTED NOV 21 2005	11-18-05	Ac
605	CHECK HEADSPACE		11-18-05	Ac
610	DIS-ASSEMBLE GUN		11-18-05	Ac
612	MAGNAFLUX	OPERATOR <i>WMA</i>	11/21/05	<i>WMA</i>
510	DRILL AND TAP		11-18-05	TRW
615	ROLLMARK CALIBER		11-21-05	CW
618	ROTO-BLAST		11-21-05	LB
620	APPLY COATINGS		11/22/05	RB
625	FINAL ASSEMBLY		11-22-05	Ac
640	FUNCTION TEST AND	PASS FAIL	11-23-05	WJM
650	TARGET	PASS FAIL	11-23-05	WJM
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-28-05	Ac
	A) HEADSPACE	PASS FAIL	11-28-05	Ac
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		X
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	5 lbs 5 lbs 5 lbs	Ac
	G) SAFETY OFF FORCE	2 LBS MIN	4 lbs 4 lbs 4 lbs	Ac
	I) FIRING PIN INDENT	.020	.023 .023 .023	Ac
690	PACK		12-2-05	RA

Remington.



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

MODEL 700TM H24

SERIAL NO.
C6522330

ORDER NO.
5716

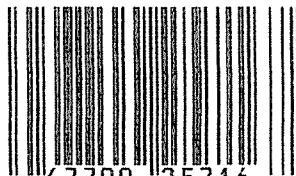
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.

Ø1



5716 C6522330

UPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522330
21 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.660927
1 TO	2	.861648
1 TO	3	1.38886
1 TO	4	.858697
1 TO	5	.50632

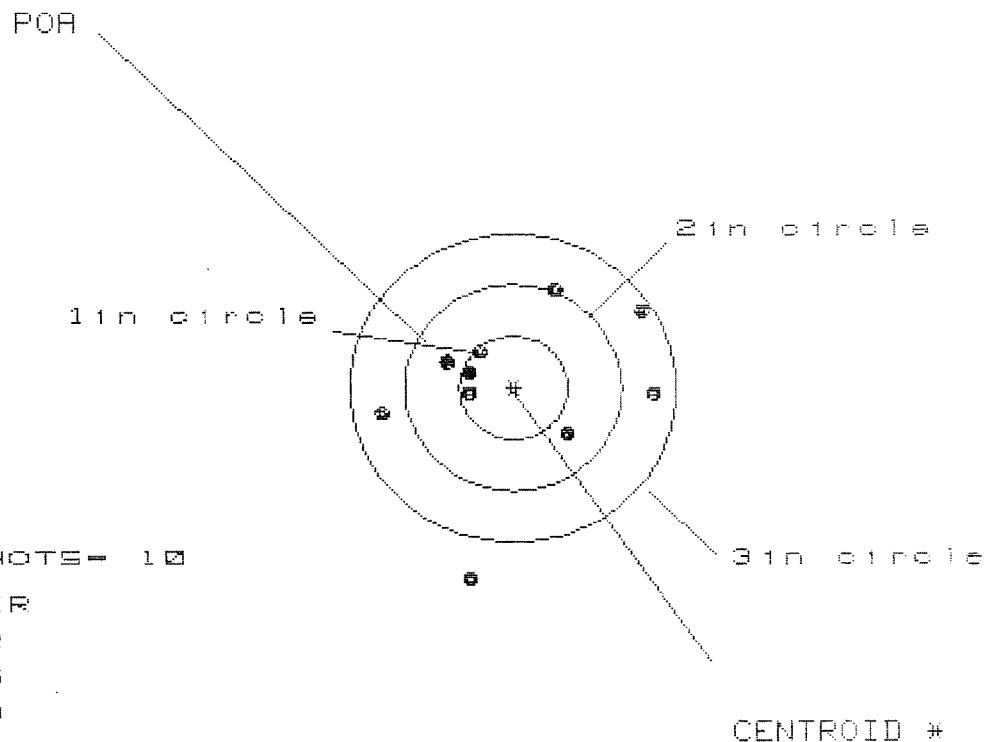
+⁵ <----POA
3 2

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .138
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.4944
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .513299
THE AMR FOR THIS RIFLE IS: .9108

21 Aug 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8528330

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.543

VS= 2.789

GS= 3.050

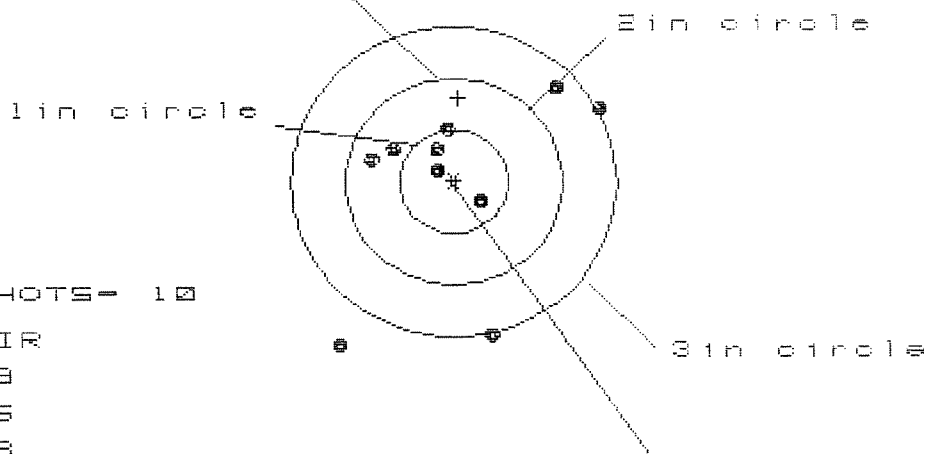
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.312	1.270	1.418
MINIMUM X	:	-1.231	-1.273	-1.125
MAXIMUM Y	:	.972	.770	.843
MINIMUM Y	:	-1.817	-.621	-.548
CENTROID X	:	.611	.653	.505
CENTROID Y	:	-.252	-.050	-.123
FOR TO CENTROID in.	:	.661	.655	.520
MIN RADIUS	:	.446	.421	.324
MEAN RADIUS	:	.971	.858	.756
MAX RADIUS	:	1.855	1.366	1.425
HORIZONTAL SPREAD	:	2.543	2.543	2.543
VERTICAL SPREAD	:	2.789	1.391	1.391
EXTREME SPREAD	:	3.050	2.679	2.558
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

21 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522330

CENTERFIRE PATTERNS # 2

POA



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS= 2.448

VS= 2.417

GS= 3.366

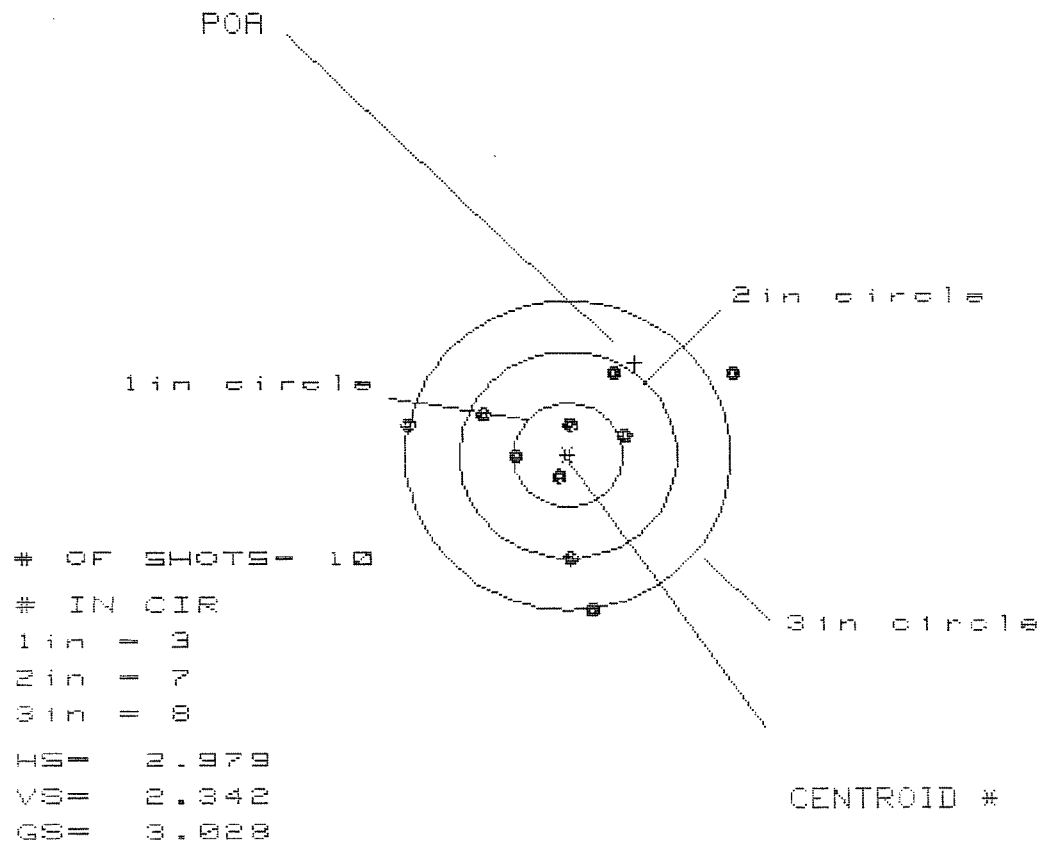
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.360	1.240	.939
MINIMUM X	:	-1.088	-.917	-.762
MAXIMUM Y	:	.869	.697	.771
MINIMUM Y	:	-1.548	-1.611	-1.537
CENTROID X	:	-.043	.077	-.077
CENTROID Y	:	-.813	-.641	-.715
POA TO CENTROID in.	:	.814	.646	.719
MIN RADIUS	:	.180	.276	.113
MEAN RADIUS	:	.900	.777	.663
MAX RADIUS	:	1.892	1.625	1.581
HORIZONTAL SPREAD	:	2.448	2.157	1.701
VERTICAL SPREAD	:	2.417	2.308	2.308
EXTREME SPREAD	:	3.366	2.427	2.377
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

21 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522330

CENTERFIRE PATTERNS # 3



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.516	.693	.741
MINIMUM X	:	-1.463	-1.295	-1.247
MAXIMUM Y	:	.802	.864	.683
MINIMUM Y	:	-1.540	-1.451	-1.068
CENTROID X	:	-.619	-.787	-.835
CENTROID Y	:	-.897	-.986	-.805
POA TO CENTROID in.	:	1.090	1.262	1.160
MIN RADIUS	:	.224	.175	.287
MEAN RADIUS	:	.911	.814	.714
MAX RADIUS	:	1.715	1.502	1.258
HORIZONTAL SPREAD	:	2.979	1.988	1.988
VERTICAL SPREAD	:	2.342	2.315	1.751
EXTREME SPREAD	:	3.028	2.462	1.990
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			8	

21 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522330

CENTERFIRE PATTERNS # 4

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= 2.898

VS= 2.229

GS= 3.373

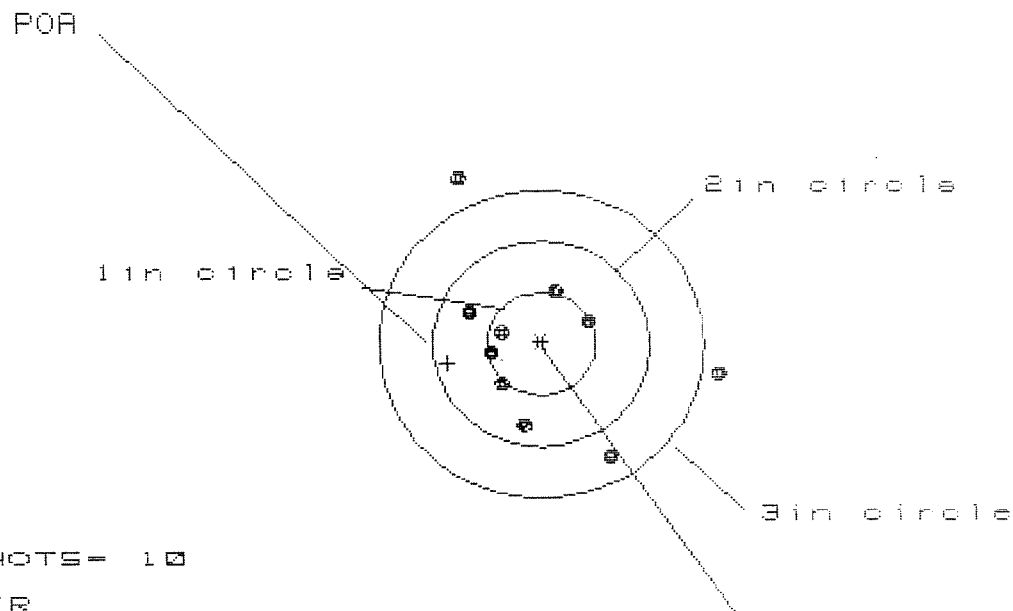
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.371	1.193	1.021
MINIMUM X	:	-1.527	-1.374	-.810
MAXIMUM Y	:	1.001	.865	.910
MINIMUM Y	:	-1.228	-1.088	-1.043
CENTROID X	:	-.124	-.277	-.105
CENTROID Y	:	-.696	-.560	-.605
POA TO CENTROID in.	:	.707	.625	.614
MIN RADIUS	:	.227	.243	.136
MEAN RADIUS	:	.915	.792	.690
MAX RADIUS	:	1.840	1.421	1.096
HORIZONTAL SPREAD	:	2.898	2.567	1.831
VERTICAL SPREAD	:	2.229	1.953	1.953
EXTREME SPREAD	:	3.373	2.575	1.957
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			8	

21 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522330

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.344

VS= 2.660

GS= 2.995

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.590	1.507	.706
MINIMUM X	-.754	-.756	-.568
MAXIMUM Y	1.571	.655	.640
MINIMUM Y	-1.089	-.915	-.930
CENTROID X	.865	.948	.760
CENTROID Y	.186	.012	.027
POA TO CENTROID in.	.885	.949	.761
MIN RADIUS	.397	.526	.337
MEAN RADIUS	.857	.769	.624
MAX RADIUS	1.742	1.511	1.167
HORIZONTAL SPREAD	2.344	2.263	1.274
VERTICAL SPREAD	2.660	1.570	1.570
EXTREME SPREAD	2.995	2.336	1.873
NUMBER IN ONE INCH CIRCLE =	2	7	8
NUMBER IN TWO INCH CIRCLE =	7	8	8
NUMBER IN THREE INCH CIRCLE =	8	8	8

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6522330

DATE 9-16-90

TESTER JJ

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.41	2.54	2.40	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.37	2.42	2.43	
PULL #3	2.31	2.39	2.20	2.49	
PULL #4	2.37	2.41	2.24	2.50	
PULL #5	2.39	2.40	2.23	2.43	
TOTAL	11.93	11.98	11.63	12.25	
AVG.	2.386	2.396	2.326	2.45	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.45		
PULL #2	3.47	3.48		
PULL #3	3.38	3.36		
PULL #4	3.36	3.40		
PULL #5	3.40	3.37		
TOTAL	17.05	17.06		
AVG.	3.41	3.412		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.13		4.38
PULL #2	4.11	4.14		4.16
PULL #3	4.09	4.11		4.39
PULL #4	4.13	4.15		4.39
PULL #5	4.09	4.07		4.20
TOTAL	20.72	20.60		21.52
AVG.	4.144	4.12		4.304

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522330

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/10/90	KJ
600	Proof		7/10/90	KJ
607	Check Headspace		7/10/90	KJ
610	Dis-assemble Gun		7/10/90	KJ
612	Magnaflux Barrel Action		7/17/90	KR
	Magnaflux Bolt		7/17/90	KR
615	Rollmark Caliber		7/17/90	GB
617	Drill and Tap Sight Holes		7/23/90	KB
618	Polish Barrel AB		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		8/17/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/17/90	KS
	C) Inspect Ejector Hole for Chamfer		8/17/90	KS
	D) Oil Firing Pin Ass'y		8/17/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		9-16-90	QJ

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			8/19/90	JS
	G) Safety Off Force	4	4	4			8/19/90	JS
	H) Trigger Pull Test & Retainability						9-16-90	JS
	I) Firing Pin Indent	.022	.0225	.0225			8/19/90	JS
	J) Assemble Stock						8/20/90	KS
	K) Assemble Swivel Studs						9/16/90	JS
	L) Attach Front and Rear Sight Assemblies						8/20/90	KS
	M) Iron Sight Alignment						8/20/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/20/90	KS
	O) Attach Scope to Rifle						8/20/90	KS
	P) Detach & Attach Scope 20 Times						8/20/90	KS
640	Gallery Target & Test						8-21-90	JS
	A) Time						"	JS
	B) Malfunctions						"	JS
	C) Pierced Primers						"	JS
	D) Optical Clarity of Scope						"	JS
645	Inspect for Live Ammo						8-21-90	JS
655	Final Inspection							
	A) Headspace						9/16/90	JS
	B) Trigger Pull	2.40	2.43	2.49	2.50	2.43	9-16-90	JS
	C) Function						9/16/90	JS
660	Pack						9/19/90	JS