

06523482

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523482.___0
FILE DATE AND TIME: 10/05/2004 08:32

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.016
The Average Y Centroid of the Five Target Set:	-0.066
The Average Point of Impact of the Five Target Set:	0.067
The Average Mean Radius of the Five Target Set:	0.769
The Distance from POA to Centroid Target #1:	0.247
The Distance from Centroid Target #2 to Centroid Target #1:	0.330
The Distance from Centroid Target #3 to Centroid Target #1:	0.229
The Distance from Centroid Target #4 to Centroid Target #1:	0.335
The Distance from Centroid Target #5 to Centroid Target #1:	0.158

SERIAL NUMBER: C6523482. __0

TARGET NUMBER: 1

FILE DATE: 10/05/2004

FILE TIME: 08:32

POINT#	X	Y
1:	1.306	-1.112
2:	0.485	-1.426
3:	0.266	-0.524
4:	-0.597	-0.990
5:	0.620	0.497
6:	0.523	0.286
7:	0.314	0.776
8:	0.038	0.228
9:	-0.099	0.360
10:	-1.059	0.211

X CENTROID: 0.180

Y CENTROID: -0.169

POA TO CENTROID: 0.247

HORZ SPREAD: 2.365

VERT SPREAD: 2.202

GROUP SPREAD: 2.710

MIN RADIUS: 0.365

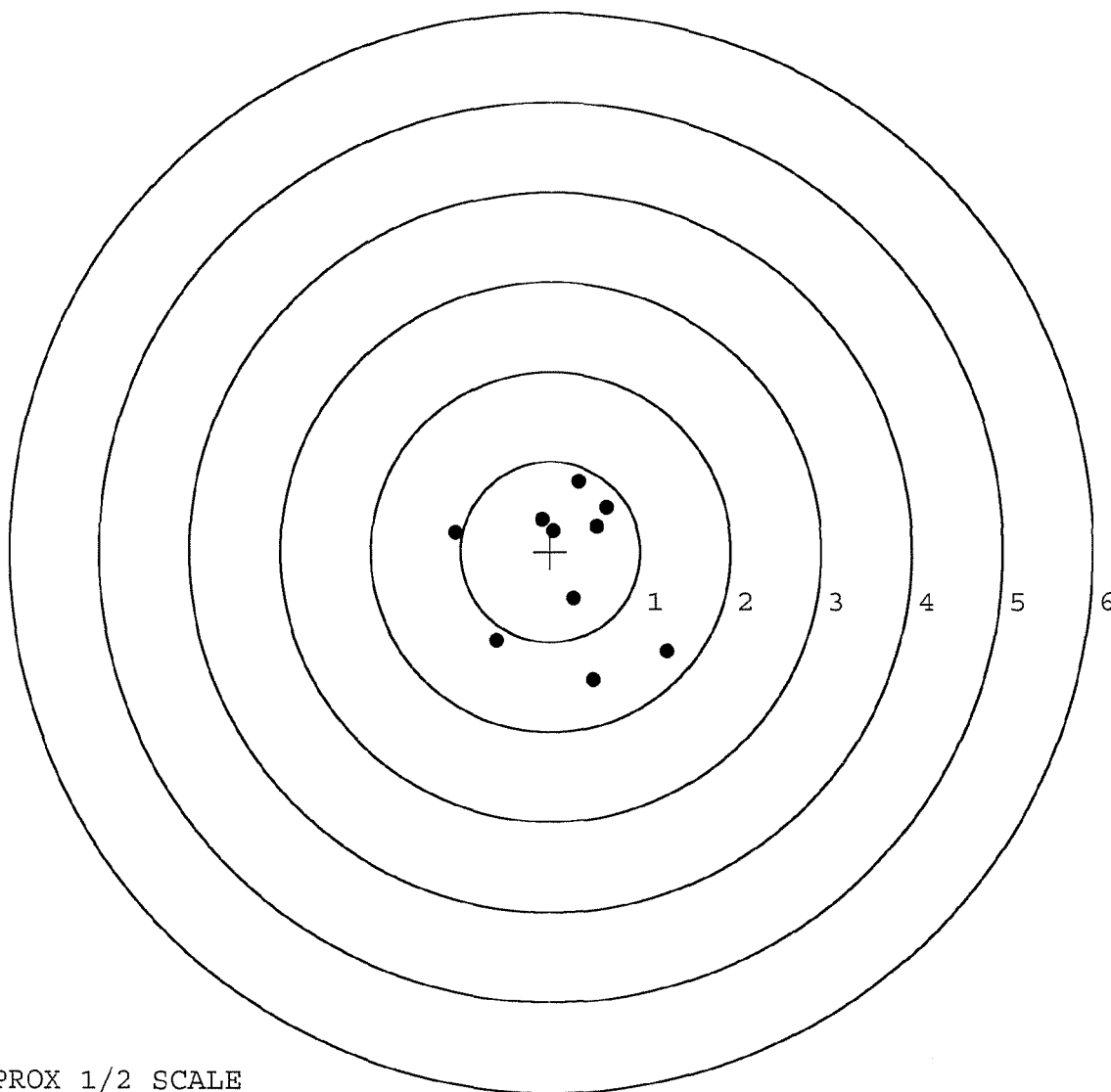
MAX RADIUS: 1.469

MEAN RADIUS: 0.890

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523482. __0

TARGET NUMBER: 2

FILE DATE: 10/05/2004

FILE TIME: 08:32

POINT#	X	Y
1:	1.099	0.071
2:	0.864	0.200
3:	0.348	1.045
4:	0.073	0.995
5:	0.070	-0.148
6:	0.229	-0.531
7:	-0.171	-0.360
8:	-0.870	0.058
9:	-1.380	0.201
10:	0.068	-0.267

X CENTROID: 0.033

Y CENTROID: 0.126

POA TO CENTROID: 0.131

HORZ SPREAD: 2.479

VERT SPREAD: 1.576

GROUP SPREAD: 2.482

MIN RADIUS: 0.277

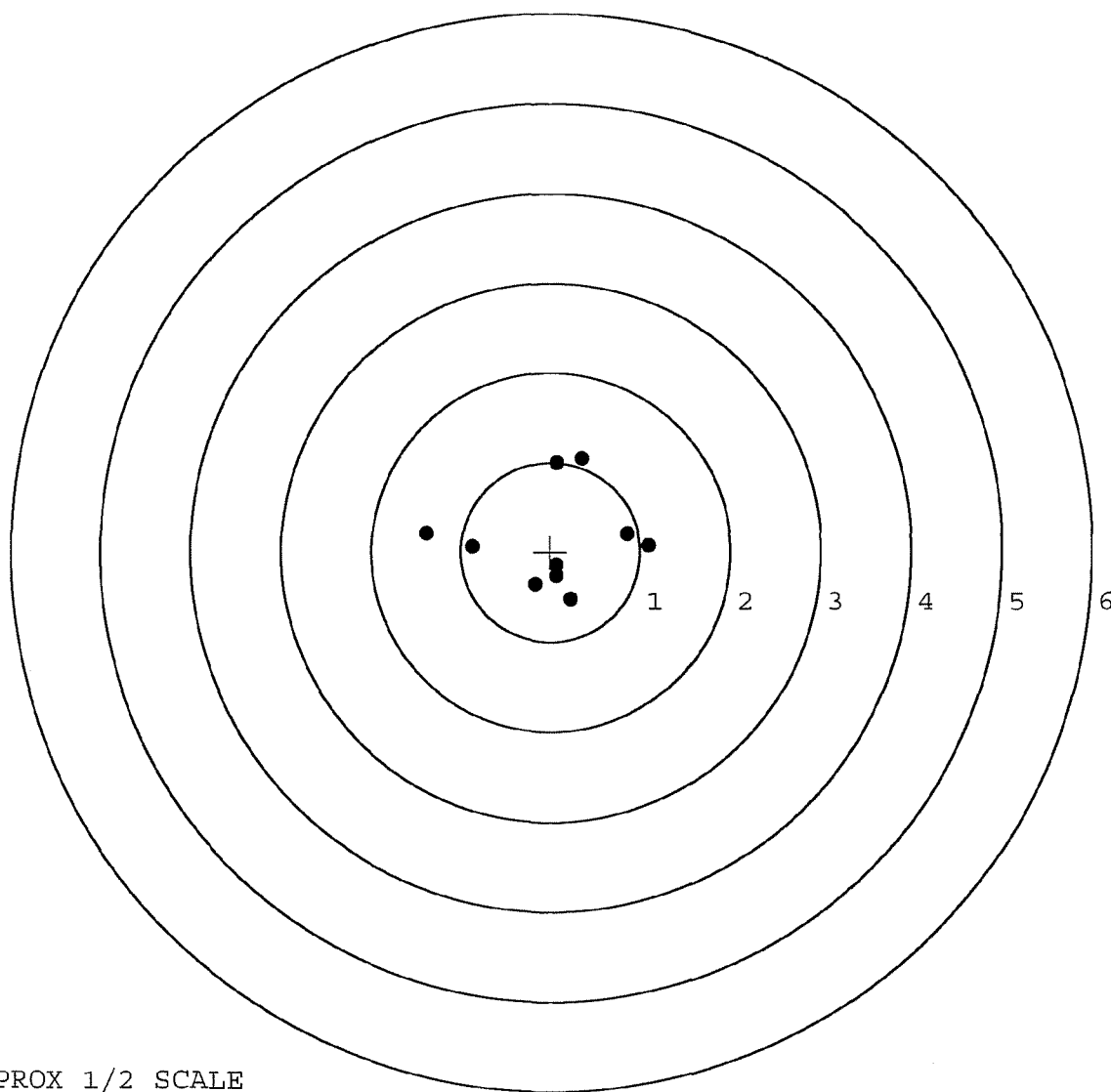
MAX RADIUS: 1.415

MEAN RADIUS: 0.795

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

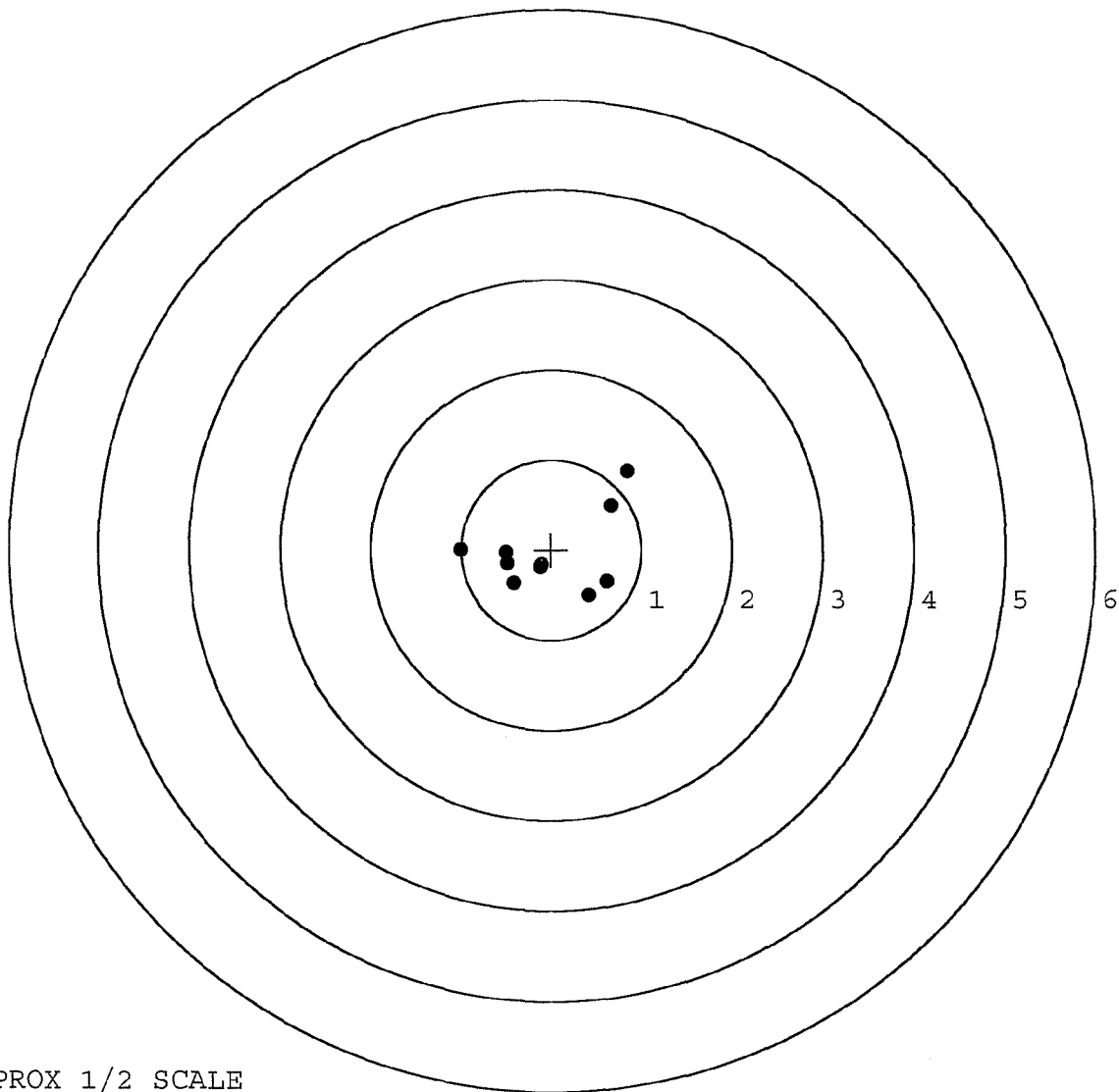


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523482. __0
TARGET NUMBER: 3
FILE DATE: 10/05/2004
FILE TIME: 08:32

X CENTROID: -0.011
Y CENTROID: -0.043
POA TO CENTROID: 0.044
HORZ SPREAD: 1.843
VERT SPREAD: 1.387
GROUP SPREAD: 2.041
MIN RADIUS: 0.161
MAX RADIUS: 1.254
MEAN RADIUS: 0.630
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.663	0.494
2:	0.841	0.878
3:	0.614	-0.353
4:	0.414	-0.509
5:	-1.002	0.002
6:	-0.501	-0.036
7:	-0.111	-0.169
8:	-0.419	-0.378
9:	-0.490	-0.159
10:	-0.120	-0.196

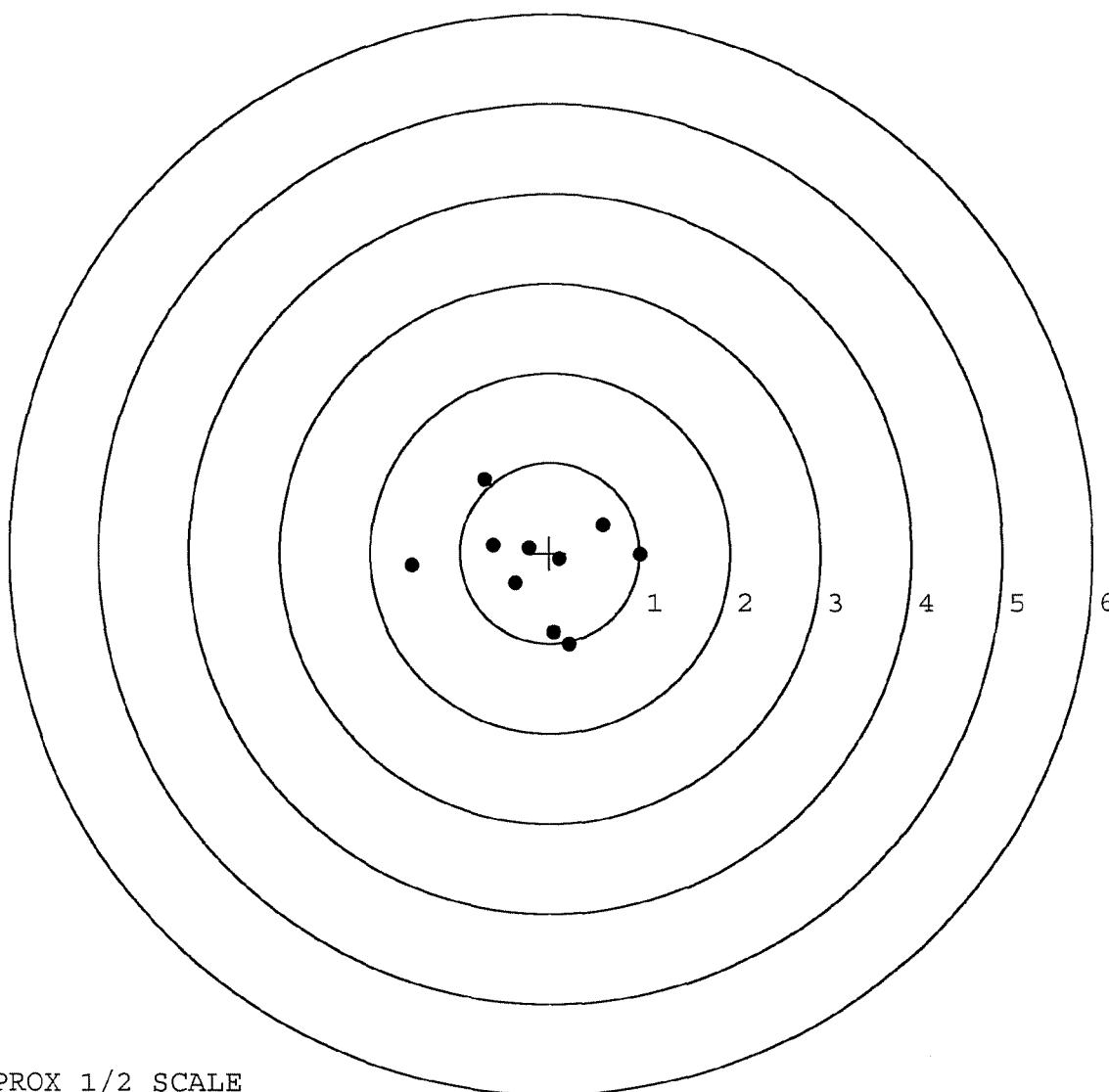


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523482. __0
TARGET NUMBER: 4
FILE DATE: 10/05/2004
FILE TIME: 08:32

POINT#	X	Y
1:	0.221	-1.014
2:	0.053	-0.881
3:	1.012	-0.022
4:	0.596	0.310
5:	0.113	-0.068
6:	-0.231	0.055
7:	-0.384	-0.339
8:	-0.633	0.090
9:	-0.728	0.814
10:	-1.539	-0.143

X CENTROID: -0.152
Y CENTROID: -0.120
POA TO CENTROID: 0.194
HORZ SPREAD: 2.551
VERT SPREAD: 1.828
GROUP SPREAD: 2.554
MIN RADIUS: 0.192
MAX RADIUS: 1.387
MEAN RADIUS: 0.758
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

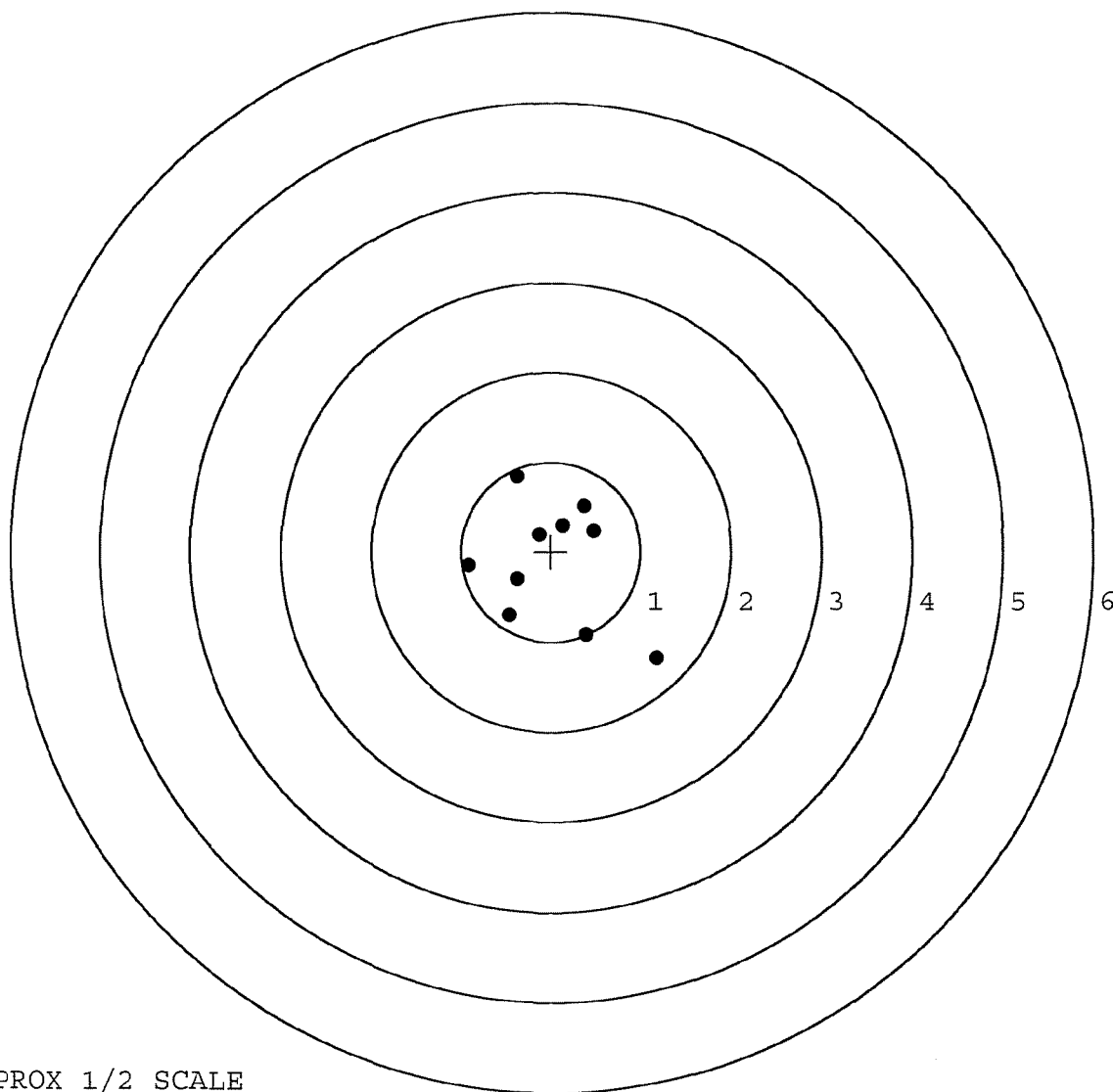


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523482. __0
TARGET NUMBER: 5
FILE DATE: 10/05/2004
FILE TIME: 08:32

X CENTROID: 0.029
Y CENTROID: -0.123
POA TO CENTROID: 0.126
HORZ SPREAD: 2.094
VERT SPREAD: 2.021
GROUP SPREAD: 2.555
MIN RADIUS: 0.352
MAX RADIUS: 1.565
MEAN RADIUS: 0.772
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.178	-1.185
2:	0.397	-0.925
3:	-0.466	-0.711
4:	-0.374	-0.309
5:	-0.916	-0.154
6:	0.373	0.508
7:	0.483	0.232
8:	0.129	0.290
9:	-0.132	0.191
10:	-0.386	0.836



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	84767		
SERIAL NUMBER	C6523482		
LOG-IN DATE	9-10-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-13-04	RTZ
560 A	RE-BARREL	9-22-04	RTZ
B	DRILL AND TAP	9-22-04	TRLW
575	ASSEMBLE	9-22-04	RR
600	PROOF	9-23-04	RTZ
605	CHECK HEADSPACE	9-23-04	RTZ
610	DIS-ASSEMBLE GUN	9-23-04	RTZ
612	MAGNAFLUX		OPERATOR <i>[Signature]</i>
615	ROLLMARK CALIBER	9/24/04	B
618	ROTO-BLAST	9/27	JW
620	APPLY COATINGS	9/28	HP
625 A	FINAL ASSEMBLY	10-4-04	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-4-04 09-20-04	RTZ TRLW
655	FINAL INSPECT	10-7-04	RTZ
660	PACK	10-26-04	JA
		SHIP DATE	
	QAR INSPECTION DATE		




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

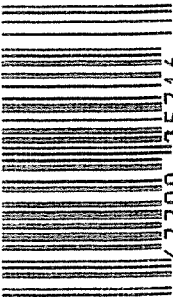
MODEL 700™ H24

SERIAL NO.
C6523482

ORDER NO.
5716

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

UPC



0 47700 25716 7



5716 C6523482

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523482

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/1/90	YJ
600	Proof		10/1/90	YJ
607	Check Headspace		10/1/90	YJ
610	Dis-assemble Gun		10/1/90	YJ
612	Magnaflux Barrel Action		10/3/90	KR
	Magnaflux Bolt		10/3/90	KR
615	Rollmark Caliber		10/3/90	YJ
617	Drill and Tap Sight Holes		10/4/90	FB
618	Polish Barrel RB		10/5/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	YJ
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/21/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/21/90	WB
	C) Inspect Ejector Hole for Chamfer		10/21/90	WB
	D) Oil Firing Pin Ass'y		10/21/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		10-27-90	D/H

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			10/27/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			10/27/90	WB
	H) Trigger Pull Test & Retainability						10/27/90	DH
	I) Firing Pin Indent	.0215	.021	.021			10/27/90	WB
	J) Assemble Stock						10/27/90	Kel
	K) Assemble Swivel Studs						3/10/90	JS
	L) Attach Front and Rear Sight Assemblies						10/27/90	Kel
	M) Iron Sight Alignment						10/27/90	Kel
	N) Detach Front & Rear Sights & place in numbered container						10/27/90	Kel
	O) Attach Scope to Rifle						10/27/90	Kel
	P) Detach & Attach Scope 20 Times						10/27/90	Kel
640	Gallery Target & Test						10/29/90	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						10/29/90	AF
655	Final Inspection							
	A) Headspace						3/10/90	JS
	B) Trigger Pull	234	244	230	238	246	3/10/90	JS
	C) Function						3/10/90	JS
660	Pack						12/17/90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6523482

DATE 10-27-90

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.84	2.29	2.56	2.34	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.43	2.51	2.44	
PULL #3	2.45	2.40	2.62	2.30	
PULL #4	2.45	2.38	2.38	2.38	
PULL #5	2.43	2.39	2.48	2.40	
TOTAL	12.14	11.89	12.55		
AVG.	2.42	2.37	2.51		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.05		
PULL #2	3.09	3.00		
PULL #3	3.10	3.20		
PULL #4	3.09	3.27		
PULL #5	3.00	3.26		
TOTAL	15.45	15.78		
AVG.	3.09	3.15		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.00	4.16		4.20
PULL #2	4.08	4.17		4.20
PULL #3	4.10	4.19		4.17
PULL #4	4.12	4.20		4.18
PULL #5	4.03	4.15		4.21
TOTAL	20.33	20.87		20.96
AVG.	4.06	4.17		4.19

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523482
30 Oct 1990

CENTROIDAL DISTANCES

0 TO	1	.514841
1 TO	2	.463674
1 TO	3	.966938
1 TO	4	.618502
1 TO	5	.907267

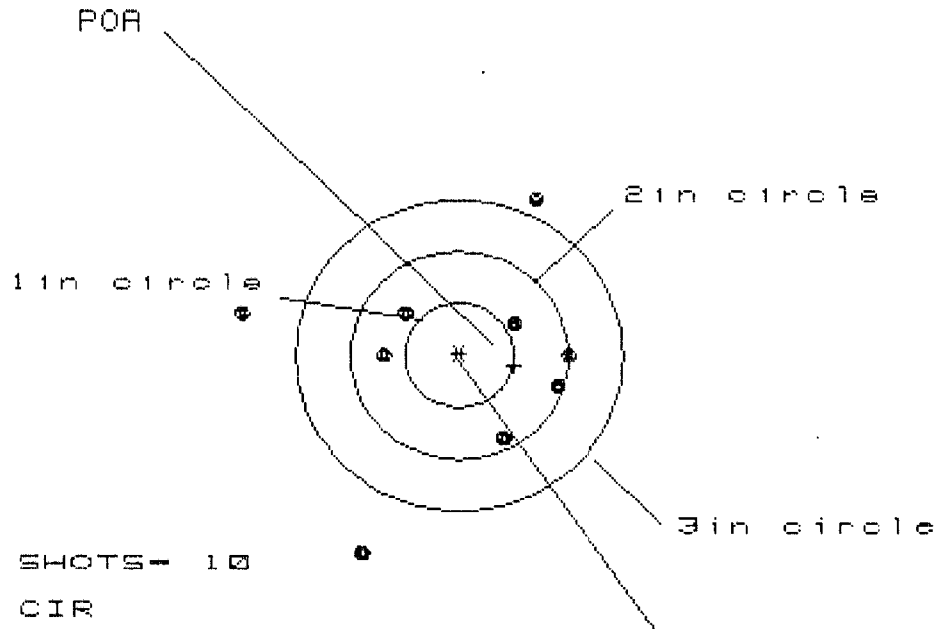
1 45 3 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0564
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0342
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0659591
THE AMR FOR THIS RIFLE IS: .8806

30 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C65234B2

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 0

2in = 6

3in = 7

HS = 3.0000

VS = 3.345

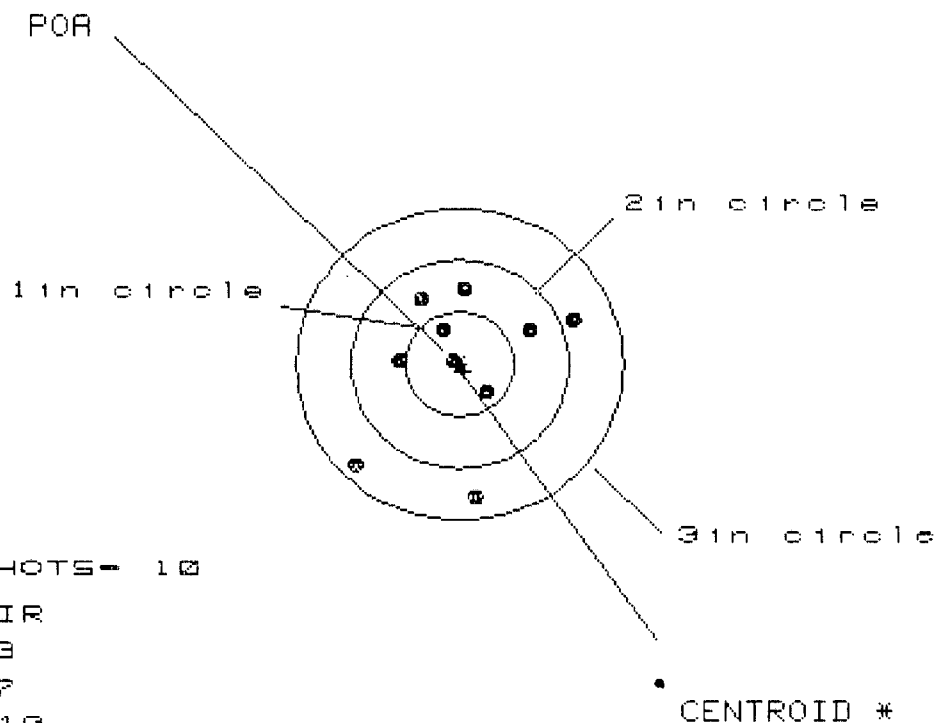
GS = 3.689

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.967	.741	.606
MINIMUM X	:	-2.033	-1.075	-1.104
MAXIMUM Y	:	1.470	1.517	1.288
MINIMUM Y	:	-1.875	-1.828	-1.989
CENTROID X	:	-.506	-.280	-.145
CENTROID Y	:	.095	.048	.277
POA TO CENTROID in.	:	.515	.284	.313
MIN RADIUS	:	.596	.463	.201
MEAN RADIUS	:	1.125	.975	.768
MAX RADIUS	:	2.076	2.121	1.334
HORIZONTAL SPREAD	:	3.000	1.816	1.710
VERTICAL SPREAD	:	3.345	3.345	2.277
EXTREME SPREAD	:	3.689	3.689	2.296
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

30 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523482

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 2.007

VS= 2.022

GS= 2.477

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.079	.976	.978
MINIMUM X	:	-.928	-.691	-.689
MAXIMUM Y	:	.712	.600	.422
MINIMUM Y	:	-1.310	-1.422	-.565
CENTROID X	:	-.043	.060	.058
CENTROID Y	:	.070	.182	.360
POA TO CENTROID in.	:	.082	.192	.365
MIN RADIUS	:	.093	.202	.232
MEAN RADIUS	:	.741	.661	.543
MAX RADIUS	:	1.371	1.422	.990
HORIZONTAL SPREAD	:	2.007	1.667	1.667
VERTICAL SPREAD	:	2.022	2.022	.987
EXTREME SPREAD	:	2.477	2.024	1.723
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

30 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C65234B2

CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 2.598

VS= 2.892

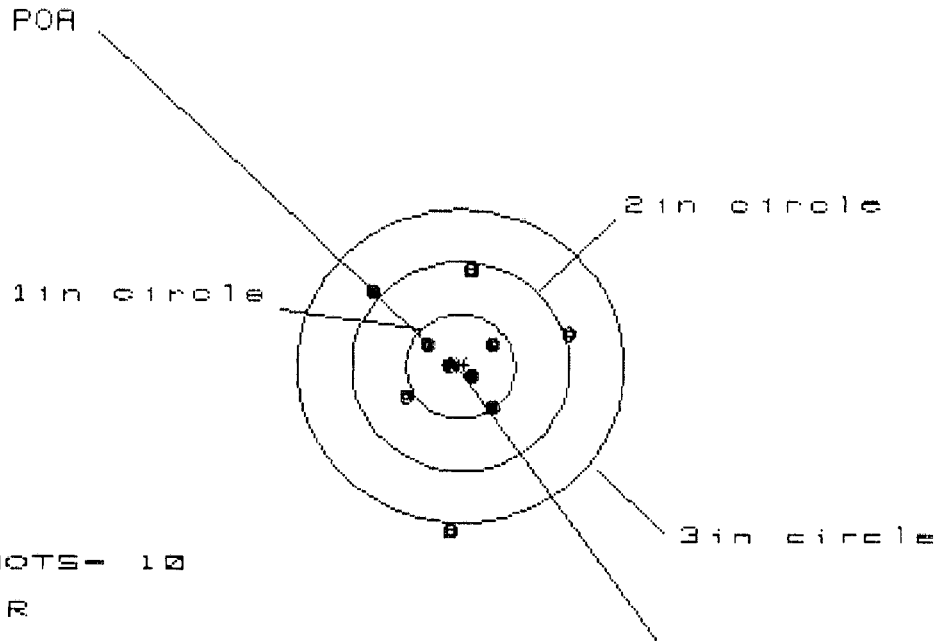
GS= 3.174

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.607	.844	.483
MINIMUM X	:	-.991	-.812	-.707
MAXIMUM Y	:	1.196	1.040	.844
MINIMUM Y	:	-1.696	-1.563	-1.712
CENTROID X	:	.327	.148	.043
CENTROID Y	:	-.396	-.529	-.333
POA TO CENTROID in.	:	.513	.549	.336
MIN RADIUS	:	.136	.290	.278
MEAN RADIUS	:	1.038	.923	.790
MAX RADIUS	:	2.003	1.777	1.779
HORIZONTAL SPREAD	:	2.598	1.656	1.190
VERTICAL SPREAD	:	2.892	2.603	2.556
EXTREME SPREAD	:	3.174	3.085	2.819
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

30 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523482

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 1.733

VS= 2.426

GS= 2.431

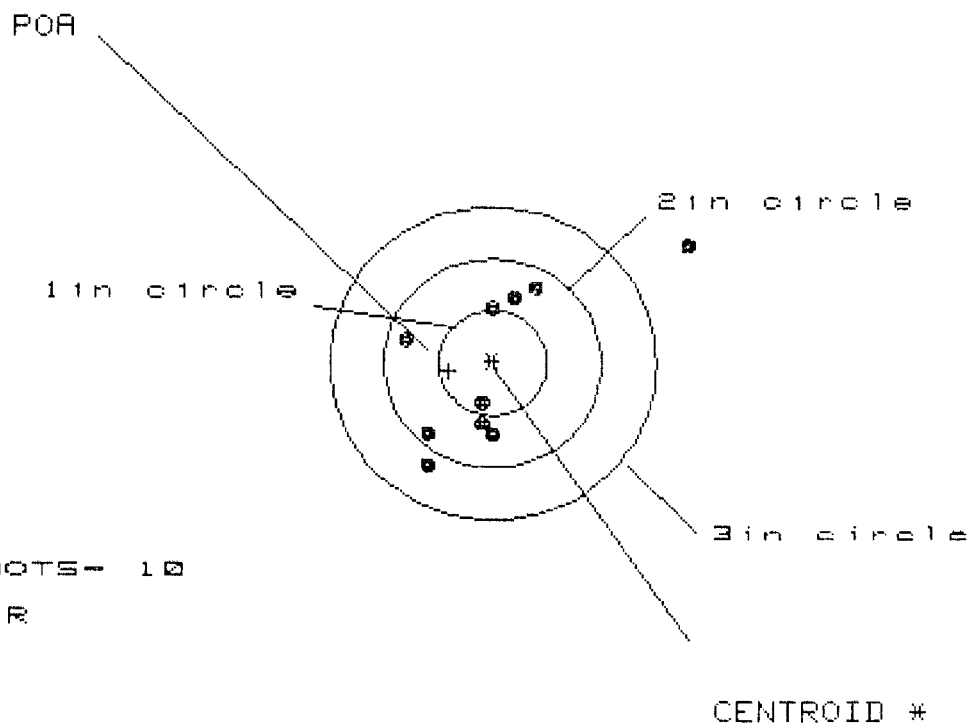
CENTROID #

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.963	.954	.857
MINIMUM X	:	-.770	-.779	-.569
MAXIMUM Y	:	.885	.714	.776
MINIMUM Y	:	-1.541	-.578	-.515
CENTROID X	:	.103	.112	.209
CENTROID Y	:	-.013	.158	.096
POA TO CENTROID in.	:	.104	.194	.230
MIN RADIUS	:	.086	.218	.185
MEAN RADIUS	:	.637	.544	.485
MAX RADIUS	:	1.543	.959	.872
HORIZONTAL SPREAD	:	1.733	1.733	1.425
VERTICAL SPREAD	:	2.426	1.292	1.292
EXTREME SPREAD	:	2.431	1.779	1.518
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		

30 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C65234B2

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 3

HS= 2.597

VS= 2.125

GS= 3.169

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.772	.559	.512
MINIMUM X	:	-.825	-.629	-.676
MAXIMUM Y	:	1.161	.867	.763
MINIMUM Y	:	-.964	-.835	-.628
CENTROID X	:	.401	.205	.252
CENTROID Y	:	.073	-.056	.048
POA TO CENTROID in.	:	.408	.212	.257
MIN RADIUS	:	.423	.304	.393
MEAN RADIUS	:	.862	.682	.658
MAX RADIUS	:	2.118	1.032	.919
HORIZONTAL SPREAD	:	2.597	1.188	1.188
VERTICAL SPREAD	:	2.125	1.702	1.391
EXTREME SPREAD	:	3.169	1.945	1.708
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			9	