

C6522331

MODEL 700™ M24

Model S&S™

Action

Barrel Length

Capacity

Order No. 5716

* Includes 1 in chamber.



Remington[®] **DUPONT**
REG. U.S. PAT. & TM. OFF.

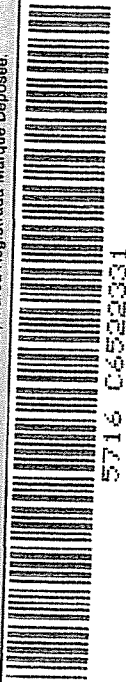
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700TM H24

SERIAL NO. C6522331

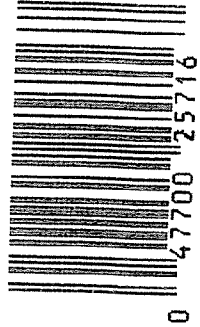
ORDER NO. 5716

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



5716 C6522331

LPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522331
8 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.344646
1 TO	2	.617662
1 TO	3	.74706
1 TO	4	.668506
1 TO	5	.640379

$1 + \frac{4}{3}$ <----FOR

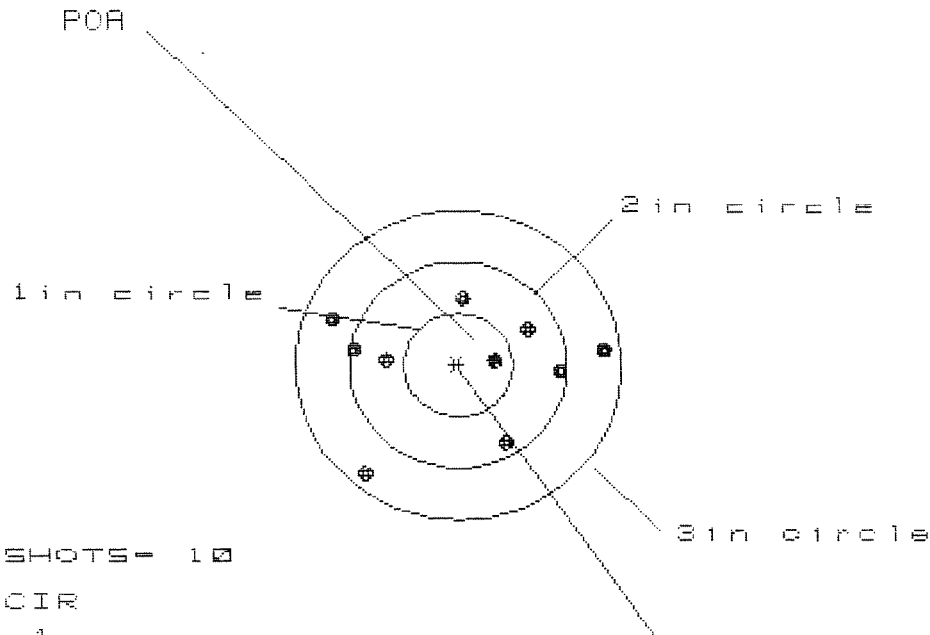
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0814
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2118
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .226904

THE AMR FOR THIS RIFLE IS: .7856

6 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522931

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 2.500

VS= 1.691

GS= 2.537

CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.369	1.049	.957
MINIMUM X	:	-1.131	-.978	-1.070
MAXIMUM Y	:	.656	.669	.541
MINIMUM Y	:	-1.035	-1.022	-.895
CENTROID X	:	-.341	-.493	-.401
CENTROID Y	:	-.050	-.063	.065
POA TO CENTROID in.	:	.344	.497	.406
MIN RADIUS	:	.330	.482	.399
MEAN RADIUS	:	.923	.874	.803
MAX RADIUS	:	1.375	1.259	1.125
HORIZONTAL SPREAD	:	2.500	2.027	2.027
VERTICAL SPREAD	:	1.691	1.691	1.437
EXTREME SPREAD	:	2.537	2.102	2.102
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	10		

8 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522331

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS = 2.332

VS = 1.660

GS = 2.628

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.074	.934	.804
MINIMUM X	:	-1.258	-1.106	-.989
MAXIMUM Y	:	.607	.490	.464
MINIMUM Y	:	-1.053	-.768	-.794
CENTROID X	:	-.000	.140	.023
CENTROID Y	:	-.565	-.448	-.422
POA TO CENTROID in.	:	.565	.469	.423
MIN RADIUS	:	.413	.351	.403
MEAN RADIUS	:	.840	.723	.692
MAX RADIUS	:	1.640	1.141	1.022
HORIZONTAL SPREAD	:	2.332	2.040	1.793
VERTICAL SPREAD	:	1.660	1.258	1.258
EXTREME SPREAD	:	2.628	2.098	1.807
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522331

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.366

VS= 1.471

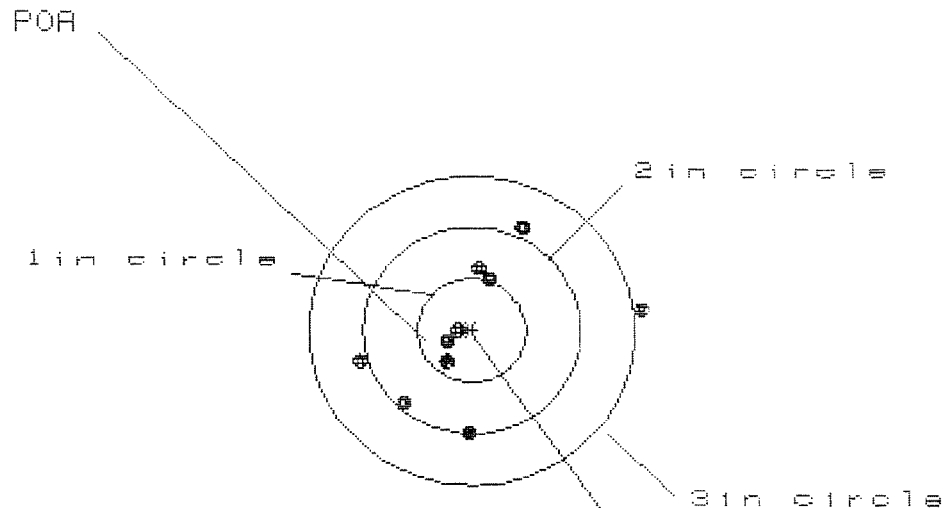
GS= 2.382

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.238	1.142	1.018
MINIMUM X	:	-1.128	-0.990	-0.798
MAXIMUM Y	:	.632	.631	.664
MINIMUM Y	:	-.839	-.840	-.807
CENTROID X	:	.372	.234	.358
CENTROID Y	:	-.273	-.272	-.305
POA TO CENTROID in.	:	.462	.359	.470
MIN RADIUS	:	.077	.133	.043
MEAN RADIUS	:	.736	.671	.616
MAX RADIUS	:	1.238	1.191	1.083
HORIZONTAL SPREAD	:	2.366	2.132	1.816
VERTICAL SPREAD	:	1.471	1.471	1.471
EXTREME SPREAD	:	2.382	2.133	1.839
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522331

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.520

VS= 2.076

GS= 2.573

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.536	.680	.390
MINIMUM X	:	-.984	-.813	-.728
MAXIMUM Y	:	1.053	1.080	.734
MINIMUM Y	:	-1.023	-.996	-.861
CENTROID X	:	.231	.060	-.025
CENTROID Y	:	.296	.269	.134
POA TO CENTROID in.	:	.376	.276	.136
MIN RADIUS	:	.126	.081	.070
MEAN RADIUS	:	.761	.637	.546
MAX RADIUS	:	1.555	1.276	.880
HORIZONTAL SPREAD	:	2.520	1.493	1.118
VERTICAL SPREAD	:	2.076	2.076	1.595
EXTREME SPREAD	:	2.573	2.156	1.602
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522331

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 6

2in = 7

3in = 9

HS= 2.266

VS= 1.464

GS= 2.684

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.339	.610	.521
MINIMUM X	:	-.927	-.778	-.867
MAXIMUM Y	:	.471	.361	.260
MINIMUM Y	:	-.993	-.806	-.349
CENTROID X	:	.145	-.004	.085
CENTROID Y	:	-.467	-.357	-.256
POA TO CENTROID in.	:	.489	.357	.270
MIN RADIUS	:	.138	.294	.274
MEAN RADIUS	:	.668	.572	.480
MAX RADIUS	:	1.667	1.072	.898
HORIZONTAL SPREAD	:	2.266	1.388	1.388
VERTICAL SPREAD	:	1.464	1.167	.609
EXTREME SPREAD	:	2.684	1.548	1.426
NUMBER IN ONE INCH CIRCLE	=		6	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

SWS TRIGGER PULL TESTAVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6522331DATE 9-4-90TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.34	2.27	2.50	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.36	2.35	2.40	
PULL #3	2.45	2.31	2.19	2.46	
PULL #4	2.40	2.33	2.33	2.40	
PULL #5	2.39	2.28	2.38	2.48	
TOTAL	12.05	11.62	11.52	12.24	
AVG.	2.41	2.324	2.304	2.448	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.40	3.31		
PULL #2	3.13	3.21		
PULL #3	3.25	3.31		
PULL #4	3.24	3.27		
PULL #5	3.21	3.33		
TOTAL	16.23	16.43		
AVG.	3.246	3.286		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.45	4.28		4.39
PULL #2	4.39	4.37		4.03
PULL #3	4.34	4.28		4.11
PULL #4	4.38	4.29		4.07
PULL #5	4.28	4.27		4.23
TOTAL	21.84	21.49		20.83
AVG.	4.368	4.298		4.166

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6522331

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 29	90	RW
600	Proof	6 29	90	RW
607	Check Headspace	6 29	90	RW
610	Dis-assemble Gun	6 29	90	RW
612	Magnaflux Barrel Action		7-12-90	KR
	Magnaflux Bolt		7-12-90	KR
615	Rollmark Caliber		7-12-90	L.S.
617	Drill and Tap Sight Holes		7/13/90	LB
618	Polish Barrel RW		7/16/90	WB
620	Apply Coatings (Barrel Action)		7-23-90	TA
	Apply Coating (Bolt)			TA
625	Final Assembly			
	A) Clean inside of Bolt Assembly		7/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/25/90	RW
	C) Inspect Ejector Hole for Chamfer		7/25/90	RW
	D) Oil Firing Pin Ass'y		7/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9-4-90	JY

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			7/30/90	RL
	G) Safety Off Force	3	3	3			7/30/90	RL
	H) Trigger Pull Test & Retainability						9-11-90	RL
	I) Firing Pin Indent	.0235	.0235	.0235			7/30/90	RL
	J) Assemble Stock						8/7/90	RW
	K) Assemble Swivel Studs						9/5/90	RL
	L) Attach Front and Rear Sight Assemblies						8/7/90	RW
	M) Iron Sight Alignment						8/7/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/7/90	RW
	O) Attach Scope to Rifle						8/7/90	RW
	P) Detach & Attach Scope 20 Times						8/7/90	RW
640	Gallery Target & Test						8-8-90	A
	A) Time						"	A
	B) Malfunctions						"	A
	C) Pierced Primers						"	A
	D) Optical Clarity of Scope						"	A
645	Inspect for Live Ammo						8-8-90	A
655	Final Inspection							
	A) Headspace						9/5/90	RL
	B) Trigger Pull	2.50	2.40	2.46	2.40	2.48	9-4-90	RL
	C) Function						9/5/90	RL
660	Pack						9-11-90	RL

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: RE00133030

Serial: C6523331 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/18/1990

Repairman:

Verify Repair

High Priority

Status:

Closed 8/22/2007 7:13:12 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: XR WOK8 USA ROCK ISL ARSENAL

XR WOK8 USA ROCK ISL ARSENAL

Address 2: BLDG 299 GILLESPIE AVE _BECK

PO Box:

BLDG 299 GILLESPIE AVE _BECK

PO Box:

City: ROCK ISLAND

ROCK ISLAND

State: IL

Zip Code: 61299

Country: US

State: IL

Zip Code: 61299

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglelj

8/22/2007

7:54 AM

CAPS

NUM

INS

SCRL



Inbox - Micr...

Calendar - M...

FW: Restrict...

Arms Service...

7:54 AM

Serial Number: C6523331

Model: M24 SWS



RE00133030

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)
 3.00 LBS (plus or minus 0.75 LBS)
 4.00 LBS (plus or minus 1.00 LBS)

DATE 11-5-07TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.26	2.35		2.09	
PULL #2	2.08	2.25		2.24	
PULL #3	2.17	2.25		2.25	
PULL #4	2.34	2.20		2.37	
PULL #5	2.13	2.33		2.34	
TOTAL	10.98	11.38		11.29	
AVERAGE	2.19	2.27		2.25	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.48		
PULL #2	3.38	3.44		
PULL #3	3.21	3.46		
PULL #4	3.47	3.34		
PULL #5	3.34	3.28		
TOTAL	16.90	17.00		
AVERAGE	3.38	3.40		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.13	4.36		3.98
PULL #2	4.16	4.26		4.12
PULL #3	4.17	4.36		4.13
PULL #4	4.22	4.28		4.16
PULL #5	4.20	4.25		4.15
TOTAL	20.88	21.51		20.54
AVERAGE	4.17	4.30		4.10

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523331.___0
FILE DATE AND TIME: 11/30/2007 12:18

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.011
The Average Y Centroid of the Five Target Set:	-0.102
The Average Point of Impact of the Five Target Set:	0.103
The Average Mean Radius of the Five Target Set:	0.745
The Distance from POA to Centroid Target #1:	0.150
The Distance from Centroid Target #2 to Centroid Target #1:	0.066
The Distance from Centroid Target #3 to Centroid Target #1:	0.255
The Distance from Centroid Target #4 to Centroid Target #1:	0.139
The Distance from Centroid Target #5 to Centroid Target #1:	0.150

SERIAL NUMBER: C6523331. __ 0

TARGET NUMBER: 1

FILE DATE: 11/30/2007

FILE TIME: 12:18

X CENTROID: -0.102

Y CENTROID: -0.110

POA TO CENTROID: 0.150

HORZ SPREAD: 3.908

VERT SPREAD: 1.041

GROUP SPREAD: 3.914

MIN RADIUS: 0.178

MAX RADIUS: 2.125

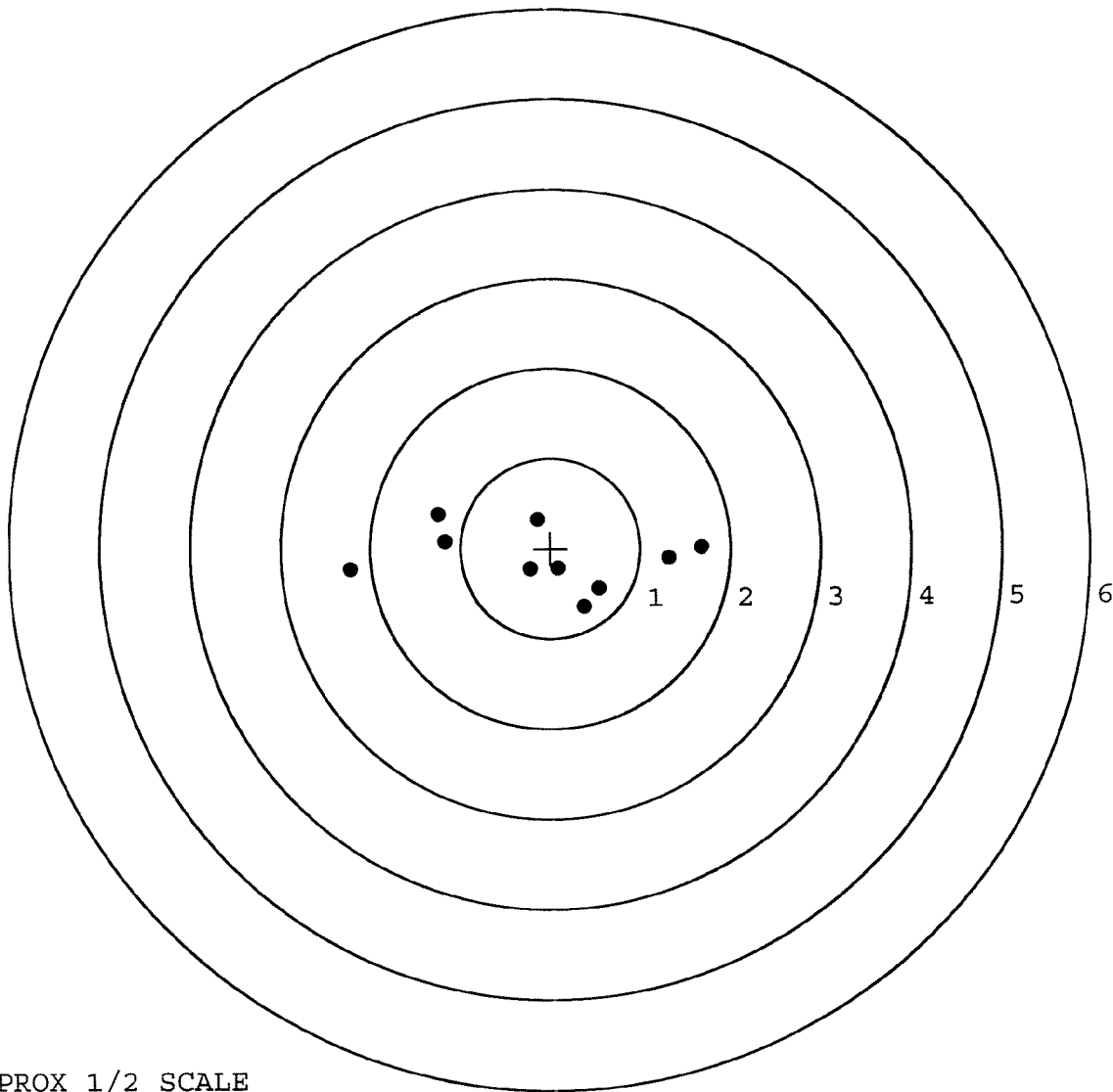
MEAN RADIUS: 0.994

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.684	-0.001
2:	1.316	-0.116
3:	0.373	-0.652
4:	0.539	-0.451
5:	0.082	-0.222
6:	-0.232	-0.232
7:	-0.143	0.321
8:	-1.173	0.085
9:	-1.244	0.389
10:	-2.224	-0.221



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523331. __0

TARGET NUMBER: 2

FILE DATE: 11/30/2007

FILE TIME: 12:18

POINT#	X	Y
1:	0.956	0.166
2:	0.179	0.419
3:	0.022	0.240
4:	-0.196	1.044
5:	0.410	-0.742
6:	-0.025	-0.711
7:	-0.073	-0.387
8:	-0.399	-0.069
9:	-0.518	-0.447
10:	-0.794	-0.304

X CENTROID: -0.044

Y CENTROID: -0.079

POA TO CENTROID: 0.090

HORZ SPREAD: 1.750

VERT SPREAD: 1.786

GROUP SPREAD: 1.886

MIN RADIUS: 0.309

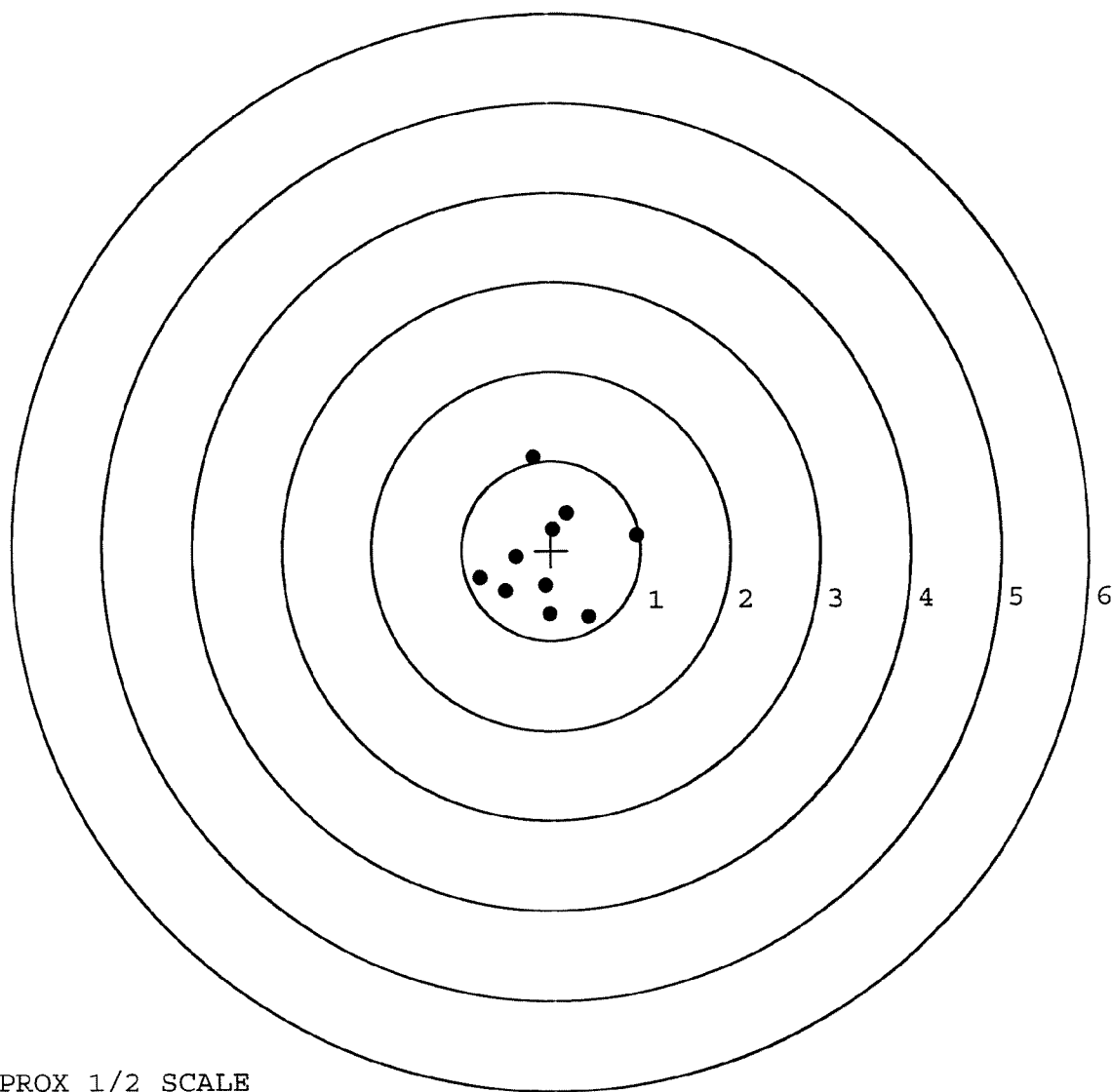
MAX RADIUS: 1.133

MEAN RADIUS: 0.652

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523331. __0

TARGET NUMBER: 3

FILE DATE: 11/30/2007

FILE TIME: 12:18

POINT#	X	Y
1:	0.862	-0.729
2:	0.992	-0.043
3:	0.423	0.074
4:	0.296	0.445
5:	0.826	0.845
6:	0.019	-0.385
7:	-0.346	-0.549
8:	-0.358	0.045
9:	-0.747	0.215
10:	-0.629	-0.058

X CENTROID: 0.134

Y CENTROID: -0.014

POA TO CENTROID: 0.135

HORZ SPREAD: 1.739

VERT SPREAD: 1.574

GROUP SPREAD: 1.821

MIN RADIUS: 0.302

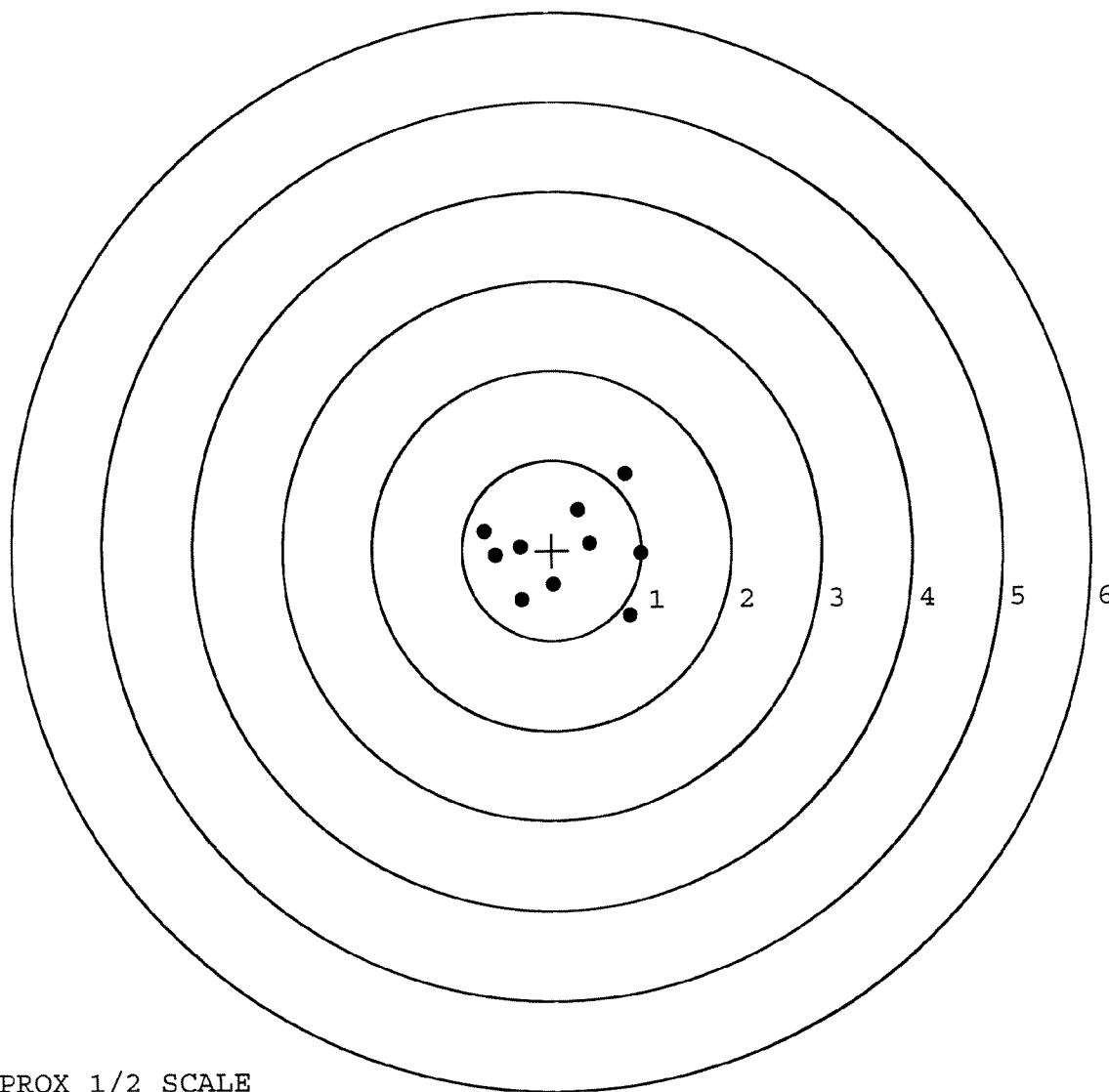
MAX RADIUS: 1.103

MEAN RADIUS: 0.705

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523331. __0

TARGET NUMBER: 4

FILE DATE: 11/30/2007

FILE TIME: 12:18

POINT#	X	Y
1:	0.720	-0.673
2:	0.120	-0.847
3:	0.038	-0.616
4:	-0.262	-0.675
5:	-0.341	-0.433
6:	0.291	0.159
7:	-0.018	0.056
8:	0.177	0.500
9:	-0.162	0.772
10:	-0.227	0.381

X CENTROID: 0.034

Y CENTROID: -0.138

POA TO CENTROID: 0.142

HORZ SPREAD: 1.061

VERT SPREAD: 1.619

GROUP SPREAD: 1.693

MIN RADIUS: 0.200

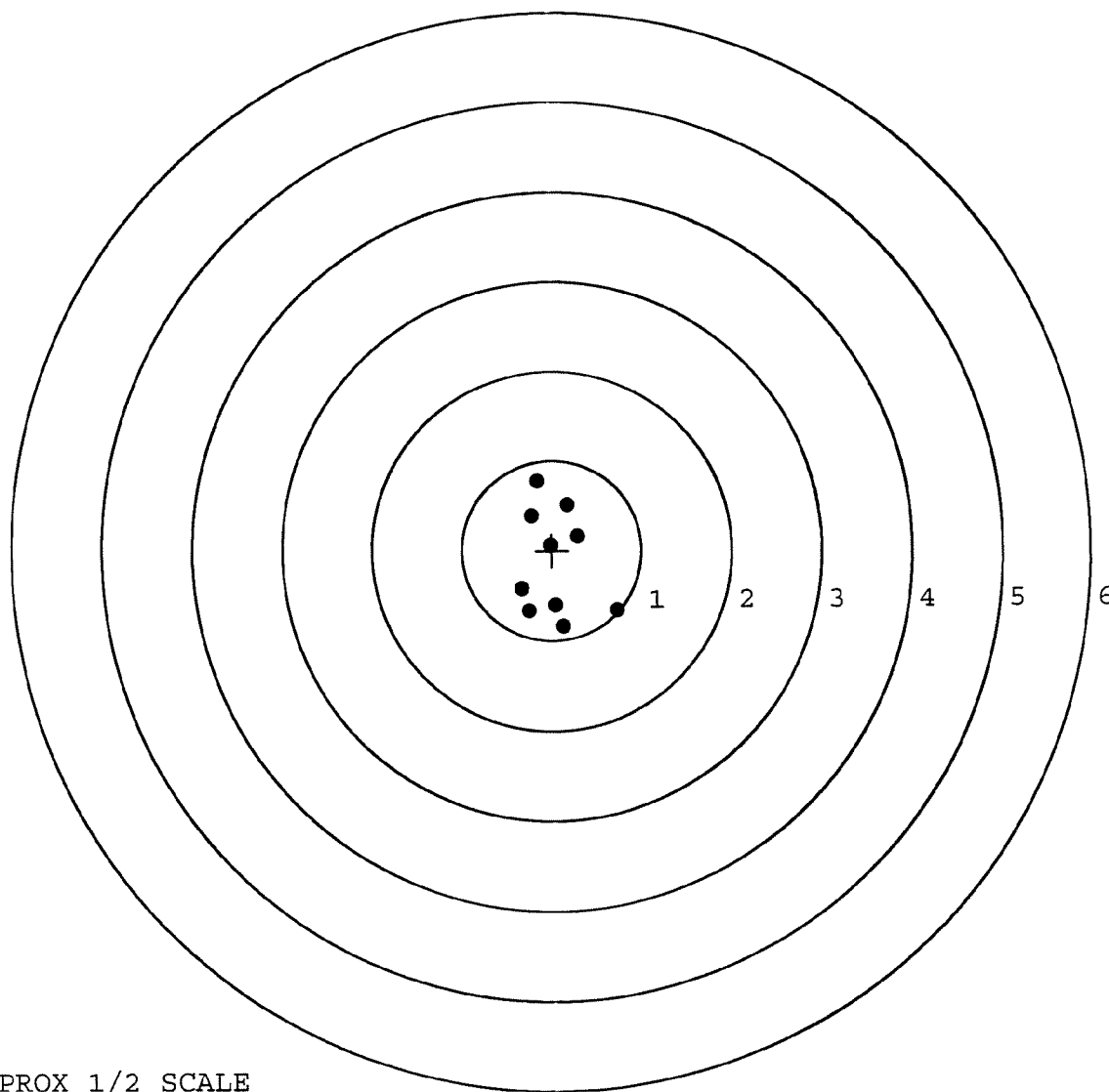
MAX RADIUS: 0.930

MEAN RADIUS: 0.591

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523331. __0

TARGET NUMBER: 5

FILE DATE: 11/30/2007

FILE TIME: 12:18

POINT#	X	Y
1:	0.304	-1.472
2:	-0.477	-0.881
3:	0.091	-0.407
4:	0.771	-0.264
5:	0.349	0.222
6:	0.475	0.490
7:	0.807	0.604
8:	-0.408	0.267
9:	-0.608	-0.159
10:	-0.958	-0.103

X CENTROID: 0.035

Y CENTROID: -0.170

POA TO CENTROID: 0.174

HORZ SPREAD: 1.765

VERT SPREAD: 2.076

GROUP SPREAD: 2.136

MIN RADIUS: 0.243

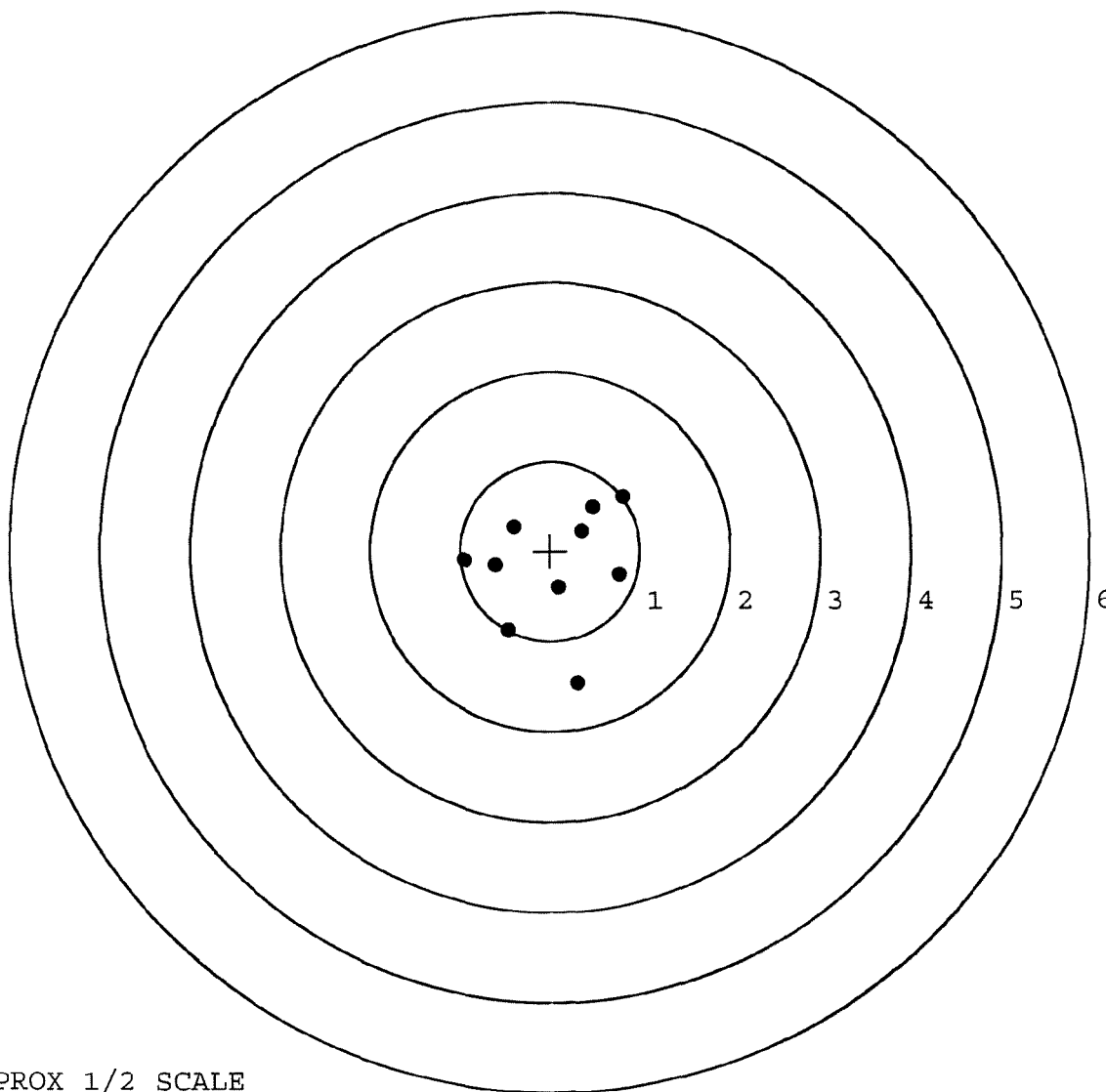
MAX RADIUS: 1.329

MEAN RADIUS: 0.784

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		133030	
SERIAL NUMBER		C6523331	
LOG-IN DATE		8-22-07	
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	11-6-07	RTC
505	RE-BARREL		
560	ASSEMBLE		
600	PROOF	11-7-07	TRW
605	CHECK HEADSPACE	11-7-07	TRW
610	DIS-ASSEMBLE GUN	11-08-07	TRW
612	MAGNAFLUX	11-14-07	SL
510	DRILL AND TAP	11-8-07	SD
615	ROLLMARK CALIBER	11-30-07	CW
618	ROTO-BLAST	11-14-07	SL
620	APPLY COATINGS	11-27-07	TRW
625	FINAL ASSEMBLY	11-29-07	RTC
640	FUNCTION TEST AND	PASS FAIL 11-29-07	TRW
650	TARGET	PASS FAIL 11-29-07	TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	11-29-07	TRW
	A) HEADSPACE	PASS FAIL 11-30-07	RTC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	225 226 224 213 2.18 11-30-07
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5.50 5.50 5.75 11-30-07
	G) SAFETY OFF FORCE	2 LBS MIN	3.50 3.75 3.75 11-30-07
	I) FIRING PIN INDENT	.020	.022 .023 .021 11-30-07
690	PACK		11-30-07