

C6594534

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5715**

* Includes 1 in chamber.



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

R & E NUMBER	36060		
SERIAL NUMBER	C6594534		
LOG-IN DATE	11-26-01		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-26-01	RR
560 A	RE-BARREL	11/28/01	BWT
B	DRILL AND TAP	11/28/01	BWT
575	ASSEMBLE	11-28-01	RR
600	PROOF	11-28-01	AC
605	CHECK HEADSPACE	11-29-01	RR
610	DIS-ASSEMBLE GUN	11-29-01	RR
612	MAGNAFLUX	OPERATOR	RR
615	ROLLMARK CALIBER	11-29-01	RR
618	ROTO-BLAST	11-30-01	RA
620	APPLY COATINGS	11/30/01	H19
625 A	FINAL ASSEMBLY	12-4-01	RR
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-4-01	AC
655	FINAL INSPECT	12-5-01	RR
660	PACK	12-5-01	RA
		SHIP DATE	
	QAR INSPECTION DATE		

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594543.___0
FILE DATE AND TIME: 12/04/2001 03:35

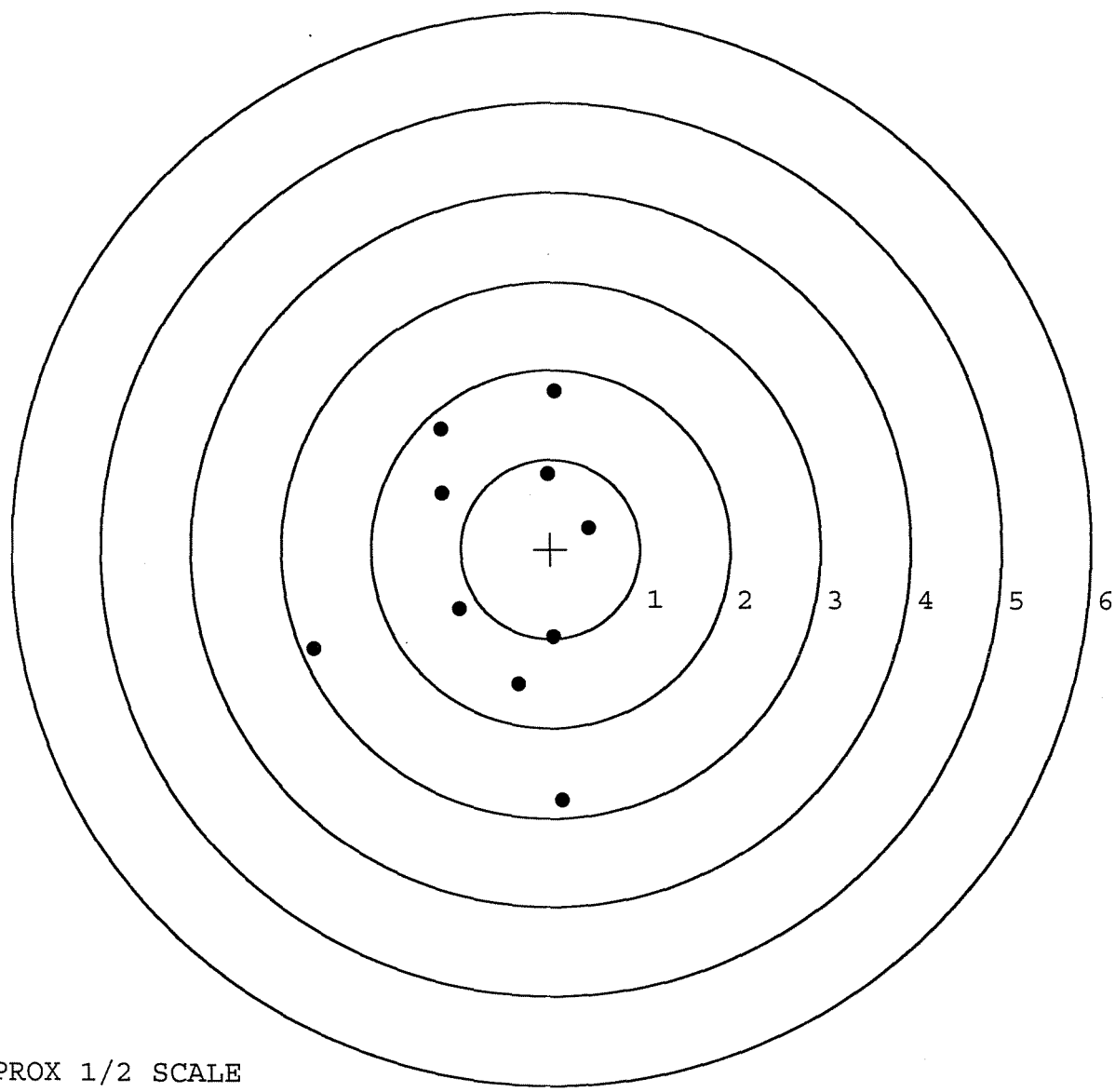
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.102
The Average Y Centroid of the Five Target Set:	-0.098
The Average Point of Impact of the Five Target Set:	0.141
The Average Mean Radius of the Five Target Set:	1.236
The Distance from POA to Centroid Target #1:	0.628
The Distance from Centroid Target #2 to Centroid Target #1:	0.514
The Distance from Centroid Target #3 to Centroid Target #1:	0.804
The Distance from Centroid Target #4 to Centroid Target #1:	0.576
The Distance from Centroid Target #5 to Centroid Target #1:	0.679

SERIAL NUMBER: C6594543. __0
 TARGET NUMBER: 1
 FILE DATE: 12/04/2001
 FILE TIME: 03:35

X CENTROID: -0.583
 Y CENTROID: -0.233
 POA TO CENTROID: 0.628
 HORZ SPREAD: 3.063
 VERT SPREAD: 4.567
 GROUP SPREAD: 4.569
 MIN RADIUS: 0.622
 MAX RADIUS: 2.676
 MEAN RADIUS: 1.498
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 2
 # in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.031	1.761
2:	-0.044	0.834
3:	0.432	0.245
4:	0.045	-0.986
5:	-0.346	-1.514
6:	0.154	-2.806
7:	-1.011	-0.684
8:	-2.631	-1.135
9:	-1.220	0.619
10:	-1.236	1.331

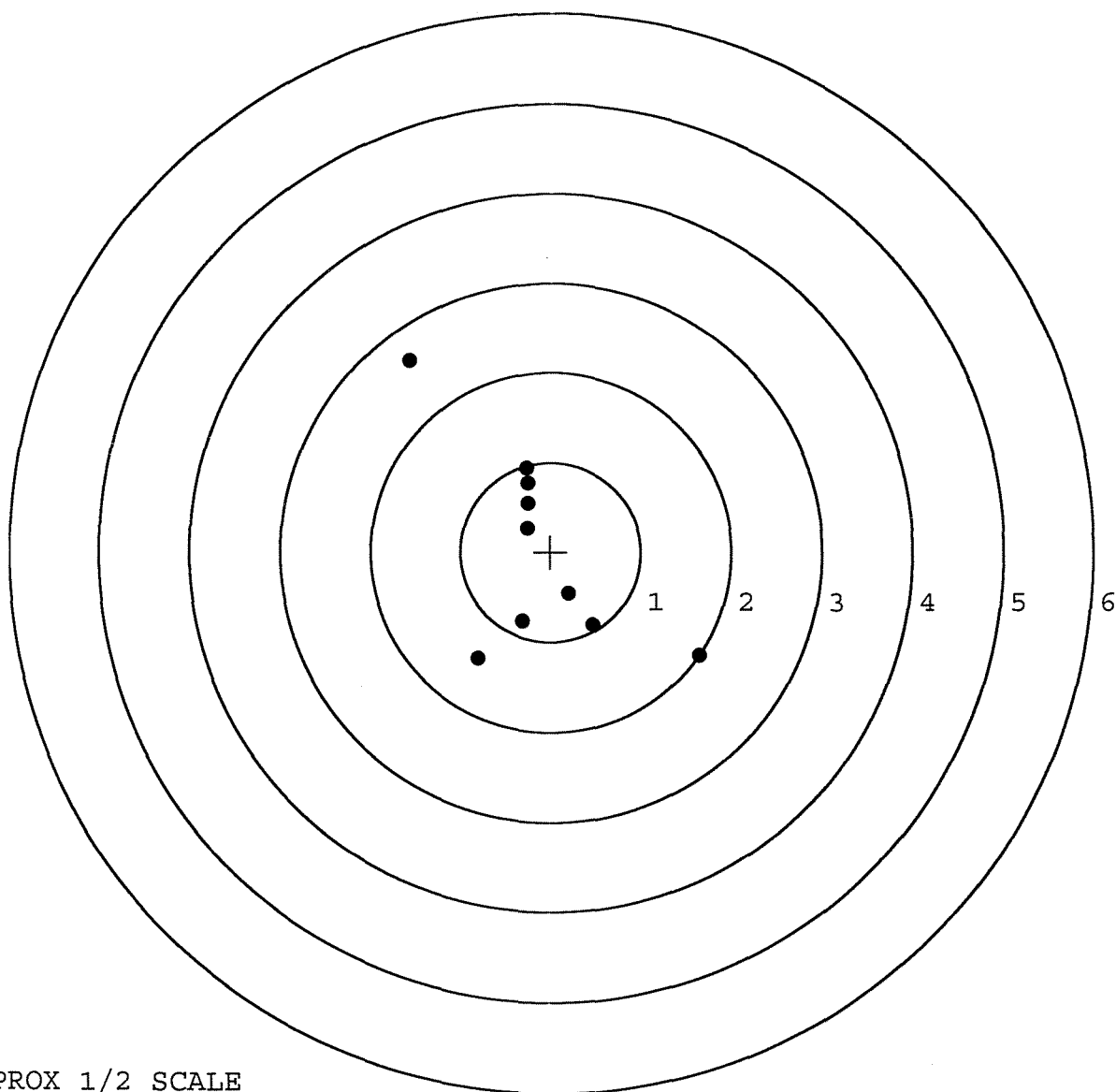


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594543. __0
TARGET NUMBER: 2
FILE DATE: 12/04/2001
FILE TIME: 03:35

X CENTROID: -0.138
Y CENTROID: 0.026
POA TO CENTROID: 0.141
HORZ SPREAD: 3.230
VERT SPREAD: 3.313
GROUP SPREAD: 4.594
MIN RADIUS: 0.267
MAX RADIUS: 2.546
MEAN RADIUS: 1.101
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.653	-1.141
2:	0.478	-0.818
3:	0.206	-0.467
4:	-0.307	-0.775
5:	-0.806	-1.187
6:	-1.577	2.126
7:	-0.267	0.937
8:	-0.255	0.266
9:	-0.255	0.542
10:	-0.254	0.773

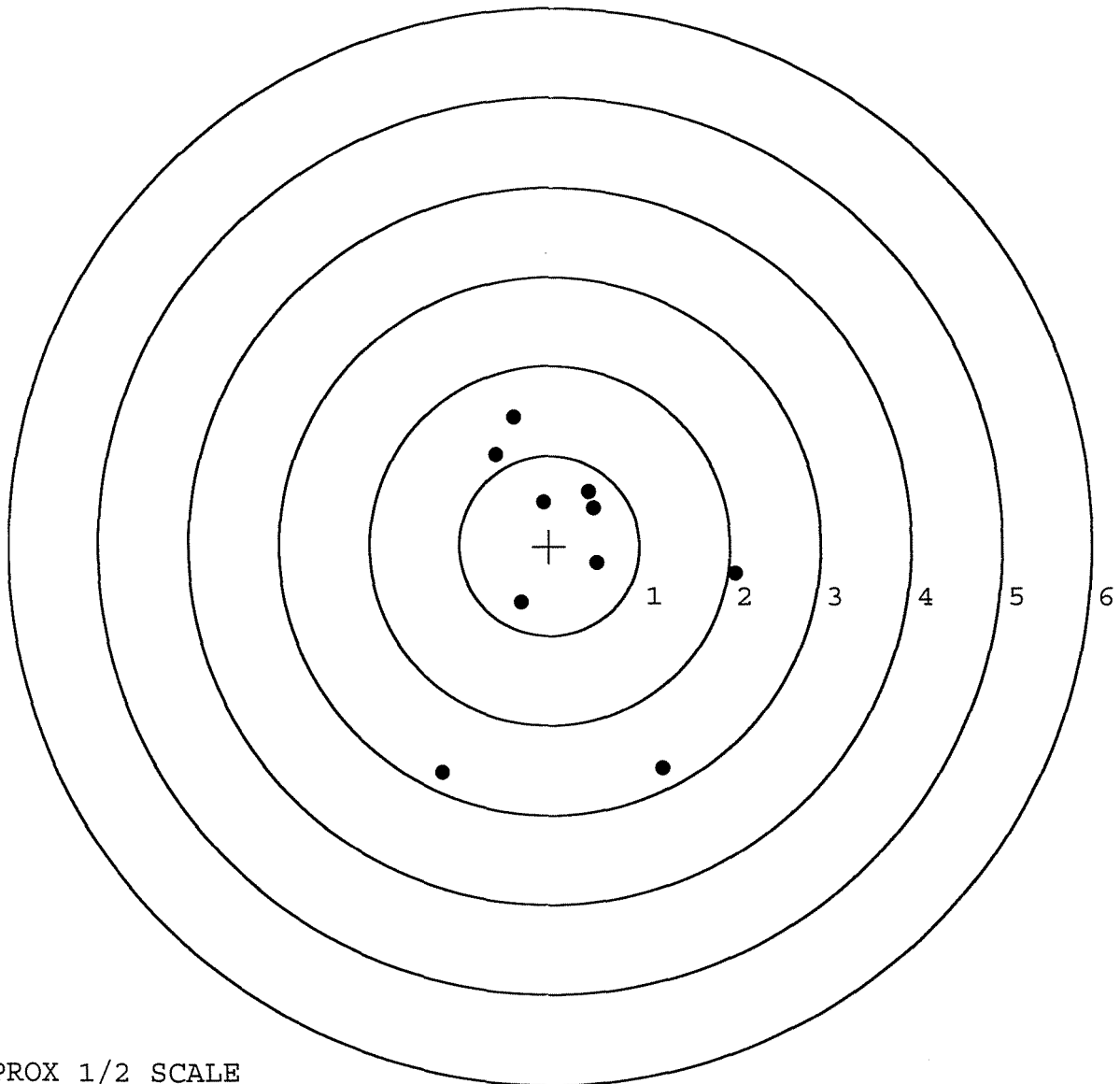


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594543. 0
TARGET NUMBER: 3
FILE DATE: 12/04/2001
FILE TIME: 03:35

X CENTROID: 0.221
Y CENTROID: -0.219
POA TO CENTROID: 0.311
HORZ SPREAD: 3.238
VERT SPREAD: 3.964
GROUP SPREAD: 4.039
MIN RADIUS: 0.307
MAX RADIUS: 2.709
MEAN RADIUS: 1.357
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 6

POINT#	X	Y
1:	-0.405	1.425
2:	-0.606	1.011
3:	0.440	0.603
4:	0.491	0.426
5:	-0.068	0.484
6:	0.527	-0.192
7:	-0.312	-0.637
8:	2.060	-0.295
9:	1.262	-2.475
10:	-1.178	-2.539

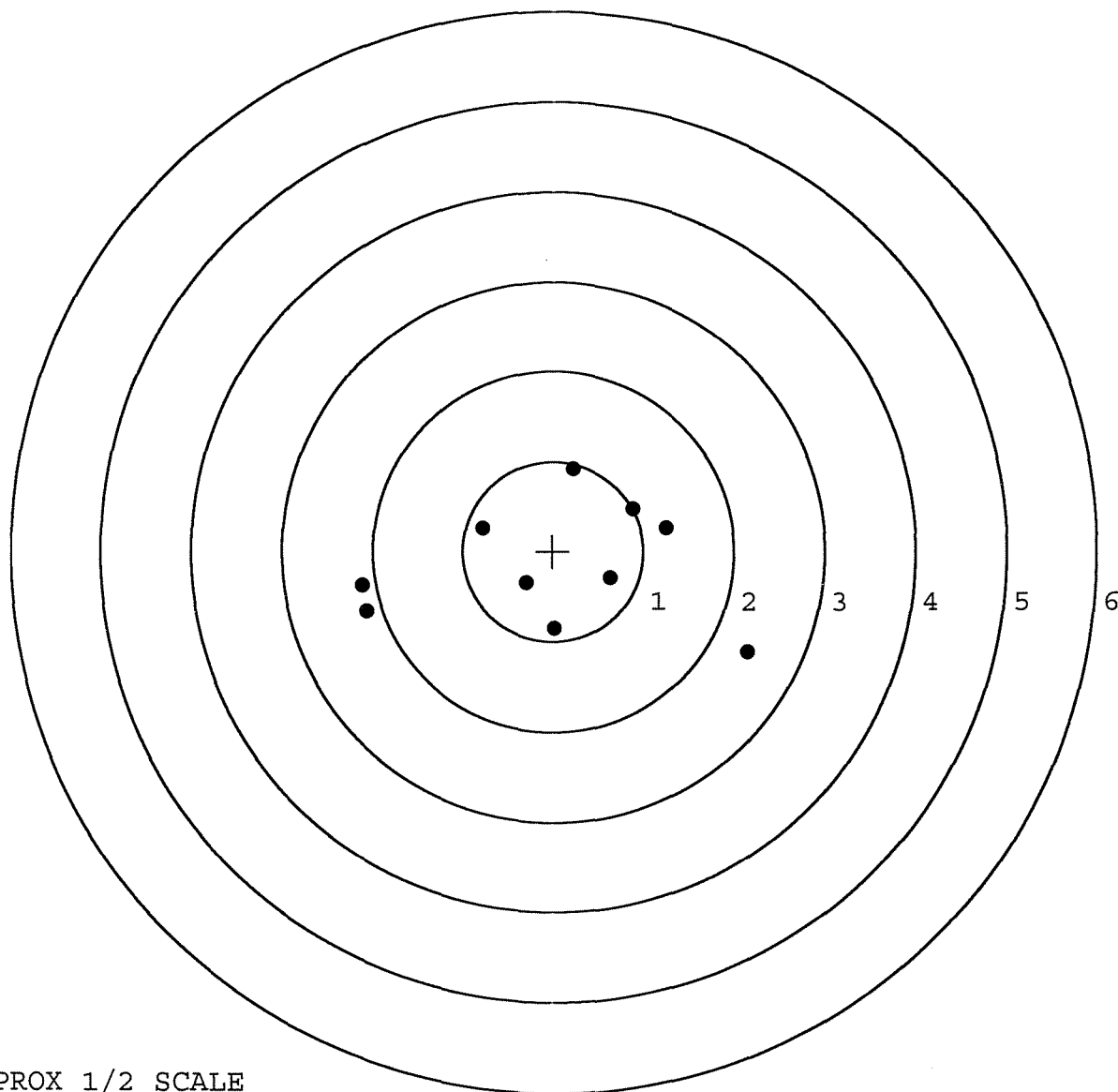


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594543. __0
TARGET NUMBER: 4
FILE DATE: 12/04/2001
FILE TIME: 03:35

X CENTROID: -0.009
Y CENTROID: -0.178
POA TO CENTROID: 0.178
HORZ SPREAD: 4.268
VERT SPREAD: 2.036
GROUP SPREAD: 4.330
MIN RADIUS: 0.339
MAX RADIUS: 2.355
MEAN RADIUS: 1.271
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.229	0.918
2:	-0.783	0.257
3:	-2.118	-0.390
4:	-2.064	-0.671
5:	0.880	0.477
6:	1.249	0.265
7:	0.635	-0.296
8:	-0.296	-0.359
9:	0.023	-0.863
10:	2.150	-1.118

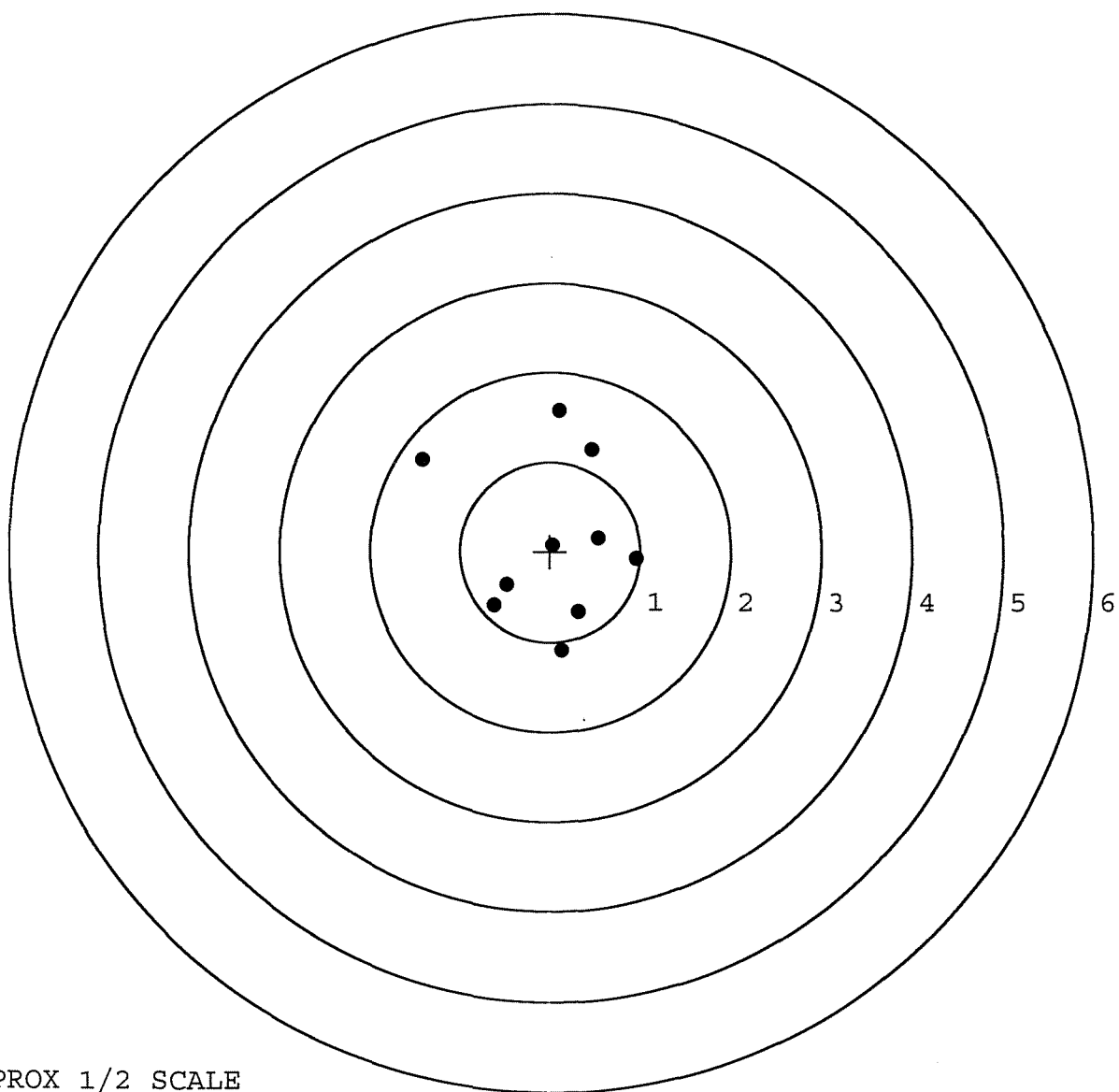


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594543. __0
TARGET NUMBER: 5
FILE DATE: 12/04/2001
FILE TIME: 03:35

X CENTROID: 0.000
Y CENTROID: 0.116
POA TO CENTROID: 0.116
HORZ SPREAD: 2.381
VERT SPREAD: 2.662
GROUP SPREAD: 2.631
MIN RADIUS: 0.056
MAX RADIUS: 1.690
MEAN RADIUS: 0.953
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.097	1.568
2:	0.466	1.144
3:	-1.425	1.023
4:	0.534	0.154
5:	0.956	-0.075
6:	-0.484	-0.370
7:	-0.625	-0.598
8:	0.314	-0.664
9:	0.138	-1.094
10:	0.032	0.069



TARGET APPROX 1/2 SCALE

Remington[®]

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

MODEL 700TM H24**SERIAL NO.**
C6594534**ORDER NO.**
5716

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

20



5716 C6594534

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594534

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/27/90	K.S.
600	Proof		12/27/90	K.S.
607	Check Headspace		12/27/90	K.S.
610	Dis-assemble Gun		12/27/90	K.S.
612	Magnaflux Barrel Action		1/9/91	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	GL
617	Drill and Tap Sight Holes	1 10 91		KB
618	Polish Barrel	1 10 91		WB
620	Apply Coatings (Barrel Action)		1-22-91	HA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/30/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/30/91	KS
	C) Inspect Ejector Hole for Chamfer		1/30/91	KS
	D) Oil Firing Pin Ass'y		1/30/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1/31/91	KS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.5	4.	4.5			1/31/91	JK
	G) Safety Off Force	2.5	2.5	2.5			1/31/91	JK
	H) Trigger Pull Test & Retainability						1/31/91	JK
	I) Firing Pin Indent	.020	.020	.020			1/31/91	JK
	J) Assemble Stock						2/5/91	JK
	K) Assemble Swivel Studs						2-26-91	AC
	L) Attach Front and Rear Sight Assemblies						2/5/91	JK
	M) Iron Sight Alignment						2/5/91	JK
	N) Detach Front & Rear Sights & place in numbered container						2/5/91	JK
	O) Attach Scope to Rifle						2/5/91	JK
	P) Detach & Attach Scope 20 Times						2/5/91	JK
640	Gallery Target & Test						2/6/91	KS
	A) Time						1/1	KS
	B) Malfunctions						1/1	KS
	C) Pierced Primers						1/1	KS
	D) Optical Clarity of Scope						1/1	KS
645	Inspect for Live Ammo						2/6/91	KS
655	Final Inspection							
	A) Headspace						2-26-91	AC
	B) Trigger Pull	2.75	2.77	2.82	2.18	2.18	2/22/91	JK
	C) Function	2.20	2.18	2.13			2-26-91	AC
660	Pack						3-14-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+ .50#

3.00#+ .75#

4.00#+1.00#

SERIAL NO 06594534DATE 1/31/91TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.24	2.36	2.40	2.20	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.39	2.43	2.18	
PULL #3	2.26	2.36	2.48	2.15	
PULL #4	2.32	2.37	2.32	2.18	
PULL #5	2.32	2.42	2.30	2.18	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.37		
PULL #2	3.35	3.40		
PULL #3	3.41	3.41		
PULL #4	3.50	3.52		
PULL #5	3.37	3.44		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.44		4.50
PULL #2	4.40	4.50		4.56
PULL #3	4.50	4.29		4.42
PULL #4	4.49	4.50		4.44
PULL #5	4.46	4.51		4.42
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594534
7 Feb 1991

CENTROIDAL DISTANCES

0 TO 1	.368978
1 TO 2	.0505668
1 TO 3	.640112
1 TO 4	.532798
1 TO 5	.384427

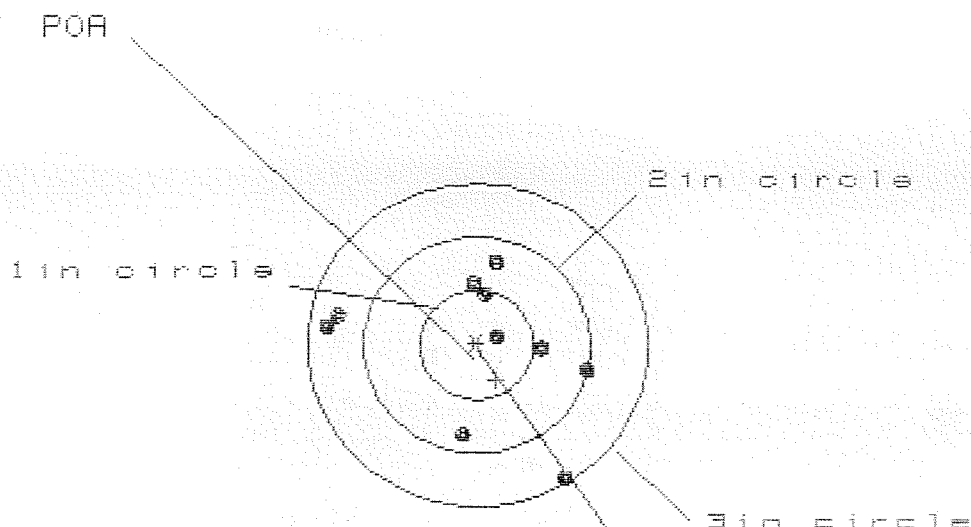
$\frac{25}{4}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0862
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1854
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .284459
THE AMR FOR THIS RIFLE IS: .9372

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594534

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.370

VS= 1.876

GS= 2.546

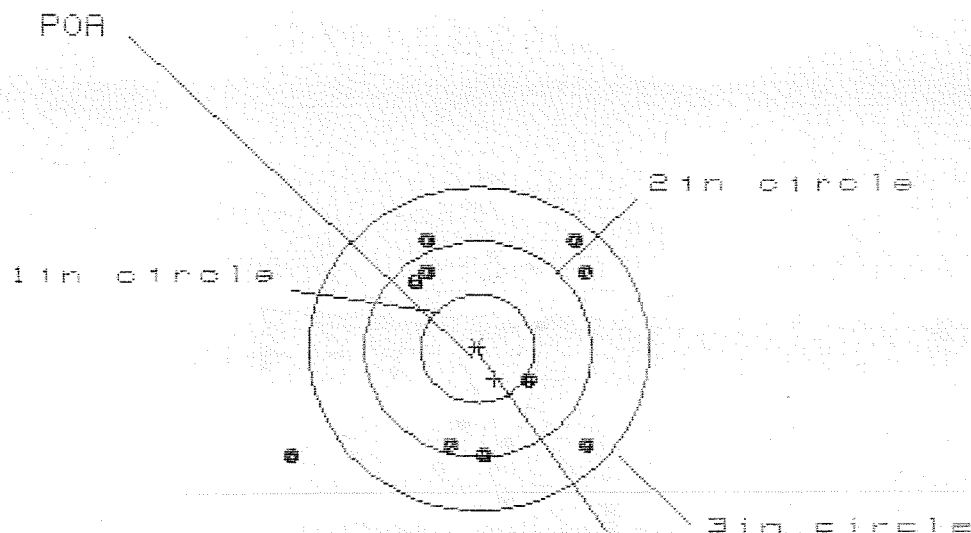
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.018	1.104	.946
MINIMUM X	:	-1.352	-1.266	-1.323
MAXIMUM Y	:	.773	.639	.647
MINIMUM Y	:	-1.204	-.948	-.940
CENTROID X	:	-.169	-.255	-.097
CENTROID Y	:	.328	.461	.453
POA TO CENTROID in.	:	.369	.527	.463
MIN RADIUS	:	.191	.258	.102
MEAN RADIUS	:	.858	.780	.679
MAX RADIUS	:	1.430	1.268	1.327
HORIZONTAL SPREAD	:	2.370	2.370	2.269
VERTICAL SPREAD	:	1.976	1.587	1.587
EXTREME SPREAD	:	2.546	2.415	2.322
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594534

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 0

2in = 5

3in = 9

HS = 2.566

VS = 1.998

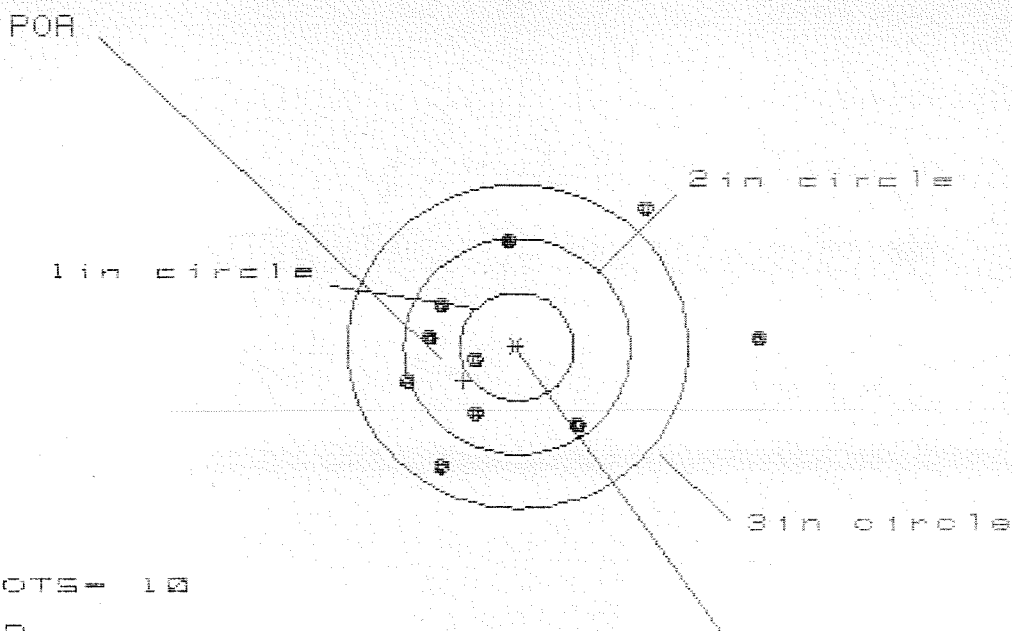
GS = 3.129

PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.957	.779	.873
MINIMUM X	-1.609	-.722	-.628
MAXIMUM Y	1.004	.893	.769
MINIMUM Y	-.994	-1.084	-1.208
CENTROID X	-.148	.030	-.064
CENTROID Y	.282	.393	.517
POA TO CENTROID in.	.319	.394	.521
MIN RADIUS	.527	.475	.631
MEAN RADIUS	1.085	.978	.929
MAX RADIUS	1.891	1.247	1.208
HORIZONTAL SPREAD	2.566	1.501	1.501
VERTICAL SPREAD	1.998	1.977	1.977
EXTREME SPREAD	3.129	2.313	2.170
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594534

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS = 3.0040

VS = 2.434

GS = 3.0000

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.088	1.385	.903
MINIMUM X	:	-.952	-.719	-.546
MAXIMUM Y	:	1.328	1.334	1.171
MINIMUM Y	:	-1.106	-1.100	-.933
CENTROID X	:	.471	.238	.065
CENTROID Y	:	.316	.310	.143
POA TO CENTROID in.	:	.567	.391	.158
MIN RADIUS	:	.395	.188	.053
MEAN RADIUS	:	1.064	.874	.676
MAX RADIUS	:	2.089	1.923	1.229
HORIZONTAL SPREAD	:	3.040	2.104	1.449
VERTICAL SPREAD	:	2.434	2.434	2.104
EXTREME SPREAD	:	3.060	3.025	2.192
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8534534

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 10

HS= 2.123

VS= 2.276

GS= 2.428

CENTROID #

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.839	.696	.750
MINIMUM X	-1.284	-1.291	-1.237
MAXIMUM Y	1.114	1.059	.907
MINIMUM Y	-1.162	-1.217	-.705
CENTROID X	.124	.267	.213
CENTROID Y	-.117	-.062	.090
POA TO CENTROID in.	.171	.274	.232
MIN RADIUS	.706	.631	.530
MEAN RADIUS	.989	.925	.868
MAX RADIUS	1.377	1.291	1.250
HORIZONTAL SPREAD	2.123	1.987	1.987
VERTICAL SPREAD	2.276	2.276	1.612
EXTREME SPREAD	2.428	2.276	2.056
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594534

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.604

VS= 2.099

GS= 2.112

CENTROID *

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.778	.733	.625
MINIMUM X	-.826	-.871	-.929
MAXIMUM Y	.753	.603	.546
MINIMUM Y	-1.346	-.671	-.728
CENTROID X	.153	.198	.306
CENTROID Y	.118	.268	.325
POA TO CENTROID in.	.193	.333	.447
MIN RADIUS	.172	.044	.121
MEAN RADIUS	.690	.563	.494
MAX RADIUS	1.406	.984	.929
HORIZONTAL SPREAD	1.604	1.604	1.554
VERTICAL SPREAD	2.099	1.274	1.274
EXTREME SPREAD	2.112	1.687	1.583
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	