

C6594548

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

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: **RE00036044** Serial: C6594548 Model 700 Center Fire Caliber: 7 62 NATO SWS M24 WOG 1 of 6 Repairman: Status: New 11/26/01 11:23:12 AM

Verify Repair **High Priority**

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: CDR A CO 1ST BN 3RD SFG A CDR A CO 1ST BN 3RD SFG A

Address 1: BLDG E1646 BLDG E1646

Address 2: PO Box: PO Box:

City: FORT BRAGG FORT BRAGG

State: NC Zip Code: 28310 Country: US State: NC Zip Code: 28310 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: 910 432 2369 8084

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A010	Hard Case(WOG)	1
A017	Scope Base	1

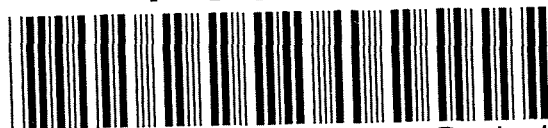
Repair Search **Refresh** **Close**

naglej 11/26/01 1:33 PM CAPS NUM INS SCRL

Start Inbo... Arms... Tho... Part... Scor... Cale... Israe... 1:33 PM

Serial Number: **C6594548**

Model: **700**



RE00036044

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

[illegible]

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. _____

DATE 11/20/01

TESTER D.7.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.64	2.32		2.31	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.35		2.13	
PULL #3	2.40	2.21		2.16	
PULL #4	2.32	2.47		2.25	
PULL #5	2.42	2.24		2.18	
TOTAL	12.24	11.59		11.03	
AVG.	2.45	2.32		2.21	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.11	3.37		
PULL #2	3.02	3.28		
PULL #3	3.07	3.29		
PULL #4	3.06	3.17		
PULL #5	3.16	3.19		
TOTAL	15.37	16.30		
AVG.	3.07	3.26		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.55		4.09
PULL #2	4.49	4.42		4.14
PULL #3	4.34	4.36		4.19
PULL #4	4.60	4.37		4.13
PULL #5	4.54	4.36		4.16
TOTAL	22.32	22.06		20.71
AVG.	4.46	4.41		4.14

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594548.___0

FILE DATE AND TIME: 12/04/2001 03:22

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.015
The Average Y Centroid of the Five Target Set:	-0.004
The Average Point of Impact of the Five Target Set:	0.015
The Average Mean Radius of the Five Target Set:	0.921
The Distance from POA to Centroid Target #1:	0.367
The Distance from Centroid Target #2 to Centroid Target #1:	0.633
The Distance from Centroid Target #3 to Centroid Target #1:	0.119
The Distance from Centroid Target #4 to Centroid Target #1:	0.780
The Distance from Centroid Target #5 to Centroid Target #1:	0.441

SERIAL NUMBER: C6594548. __0

TARGET NUMBER: 1

FILE DATE: 12/04/2001

FILE TIME: 03:22

X CENTROID: 0.324

Y CENTROID: -0.172

POA TO CENTROID: 0.367

HORZ SPREAD: 3.711

VERT SPREAD: 1.785

GROUP SPREAD: 3.721

MIN RADIUS: 0.093

MAX RADIUS: 2.019

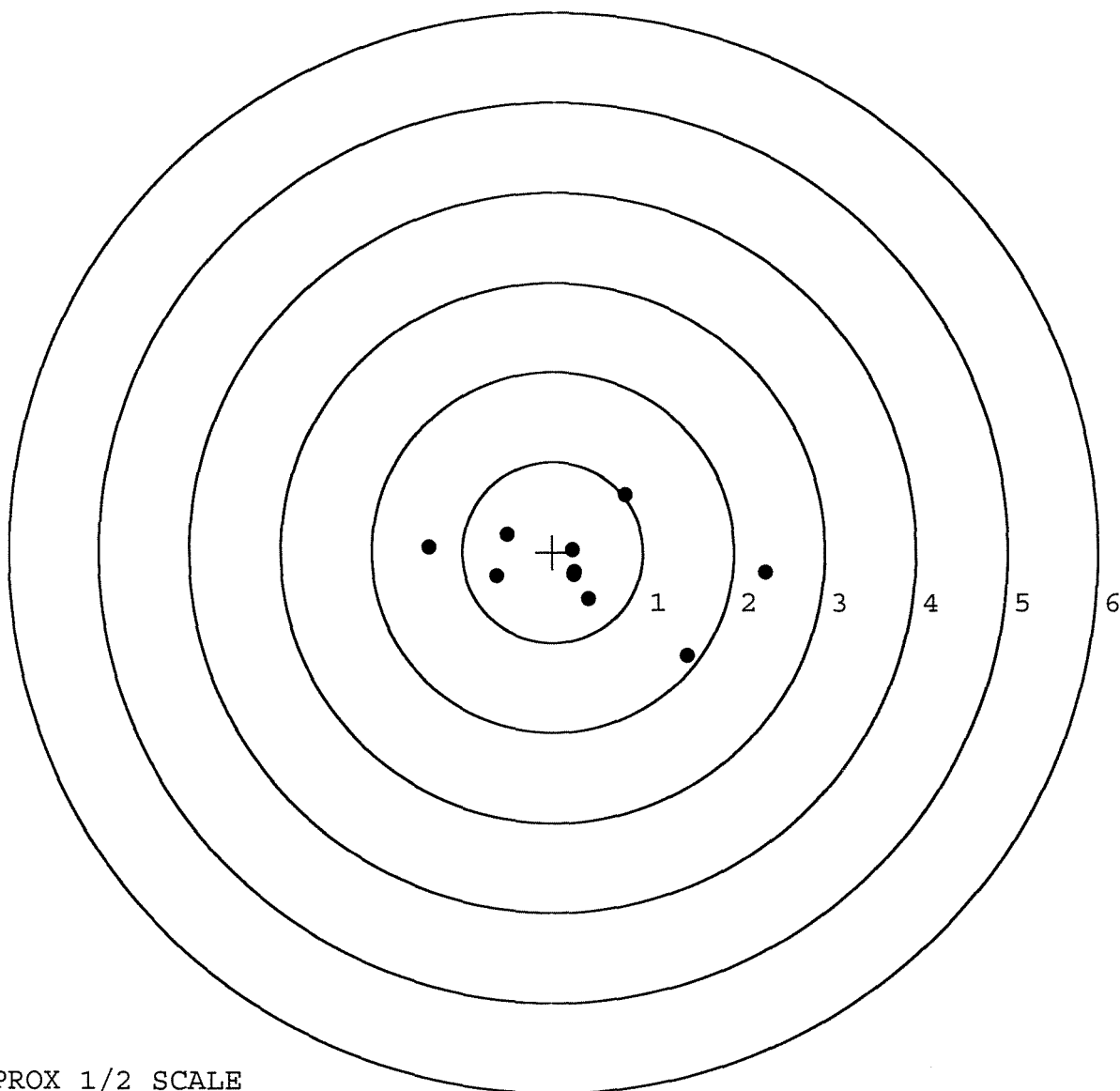
MEAN RADIUS: 0.883

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.806	0.640
2:	-0.505	0.188
3:	-0.626	-0.272
4:	-1.369	0.049
5:	0.221	0.022
6:	0.243	-0.219
7:	0.401	-0.514
8:	2.342	-0.222
9:	1.488	-1.145
10:	0.239	-0.250

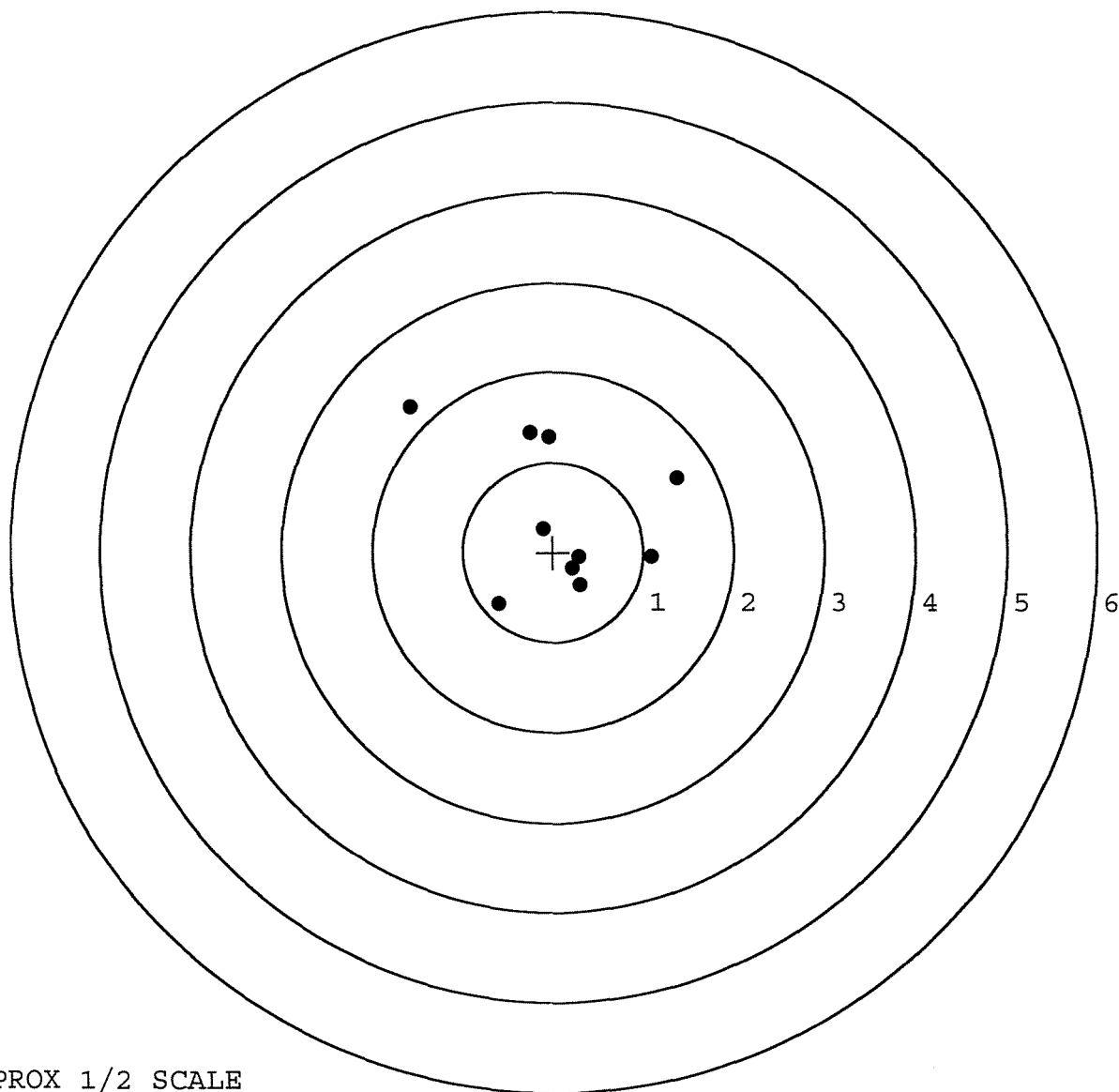


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594548. 0
TARGET NUMBER: 2
FILE DATE: 12/04/2001
FILE TIME: 03:22

X CENTROID: 0.065
Y CENTROID: 0.405
POA TO CENTROID: 0.410
HORZ SPREAD: 2.965
VERT SPREAD: 2.179
GROUP SPREAD: 3.147
MIN RADIUS: 0.232
MAX RADIUS: 2.041
MEAN RADIUS: 0.975
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.054	1.278
2:	-0.266	1.325
3:	-1.592	1.597
4:	1.373	0.834
5:	1.089	-0.051
6:	-0.116	0.260
7:	0.291	-0.059
8:	0.302	-0.367
9:	-0.597	-0.582
10:	0.218	-0.182

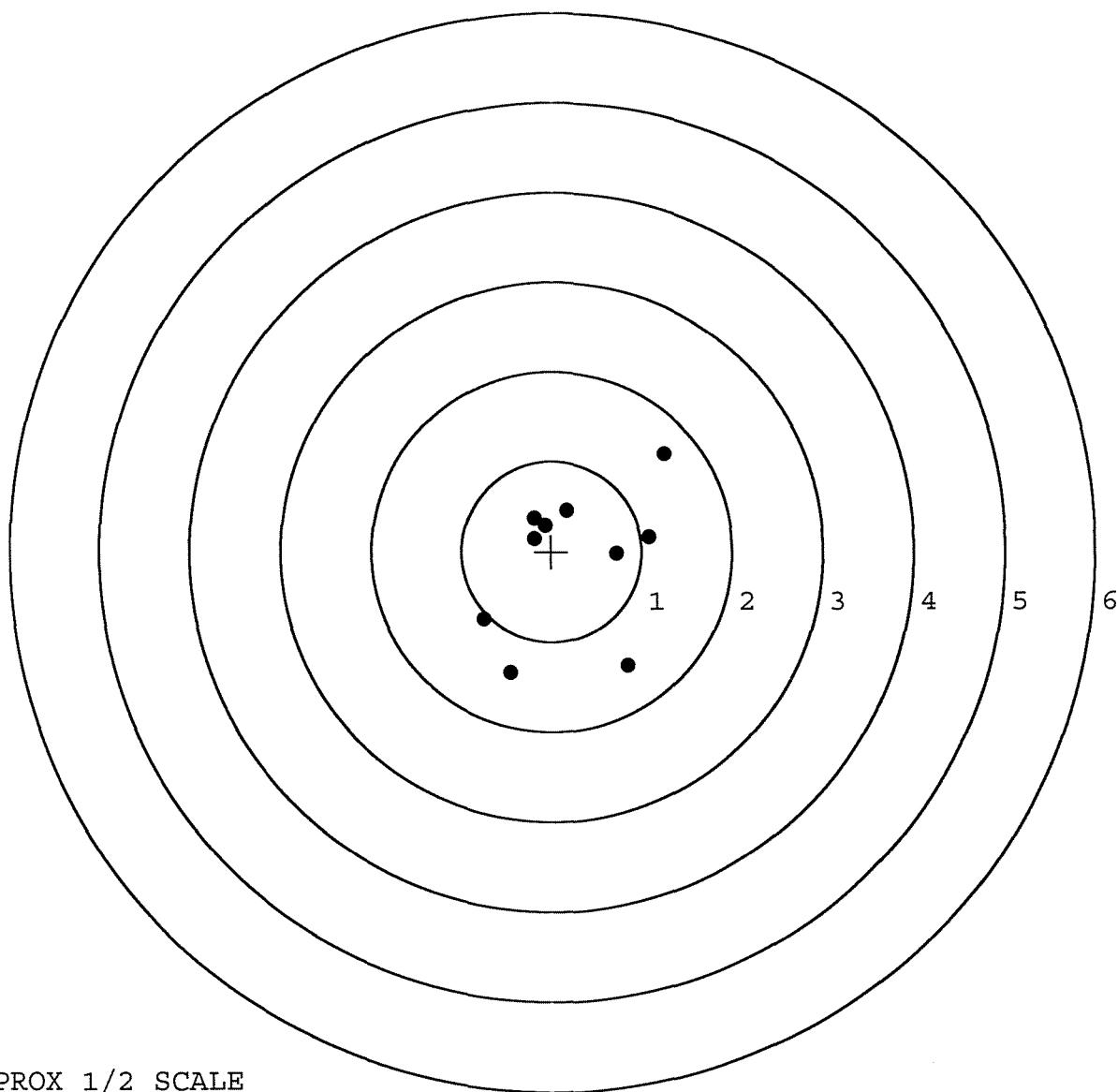


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594548. __0
TARGET NUMBER: 3
FILE DATE: 12/04/2001
FILE TIME: 03:22

X CENTROID: 0.239
Y CENTROID: -0.090
POA TO CENTROID: 0.255
HORZ SPREAD: 2.006
VERT SPREAD: 2.430
GROUP SPREAD: 2.971
MIN RADIUS: 0.486
MAX RADIUS: 1.544
MEAN RADIUS: 0.904
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.250	1.077
2:	1.083	0.164
3:	0.720	-0.024
4:	0.847	-1.267
5:	-0.459	-1.353
6:	-0.756	-0.751
7:	-0.197	0.368
8:	-0.190	0.140
9:	0.169	0.458
10:	-0.080	0.288

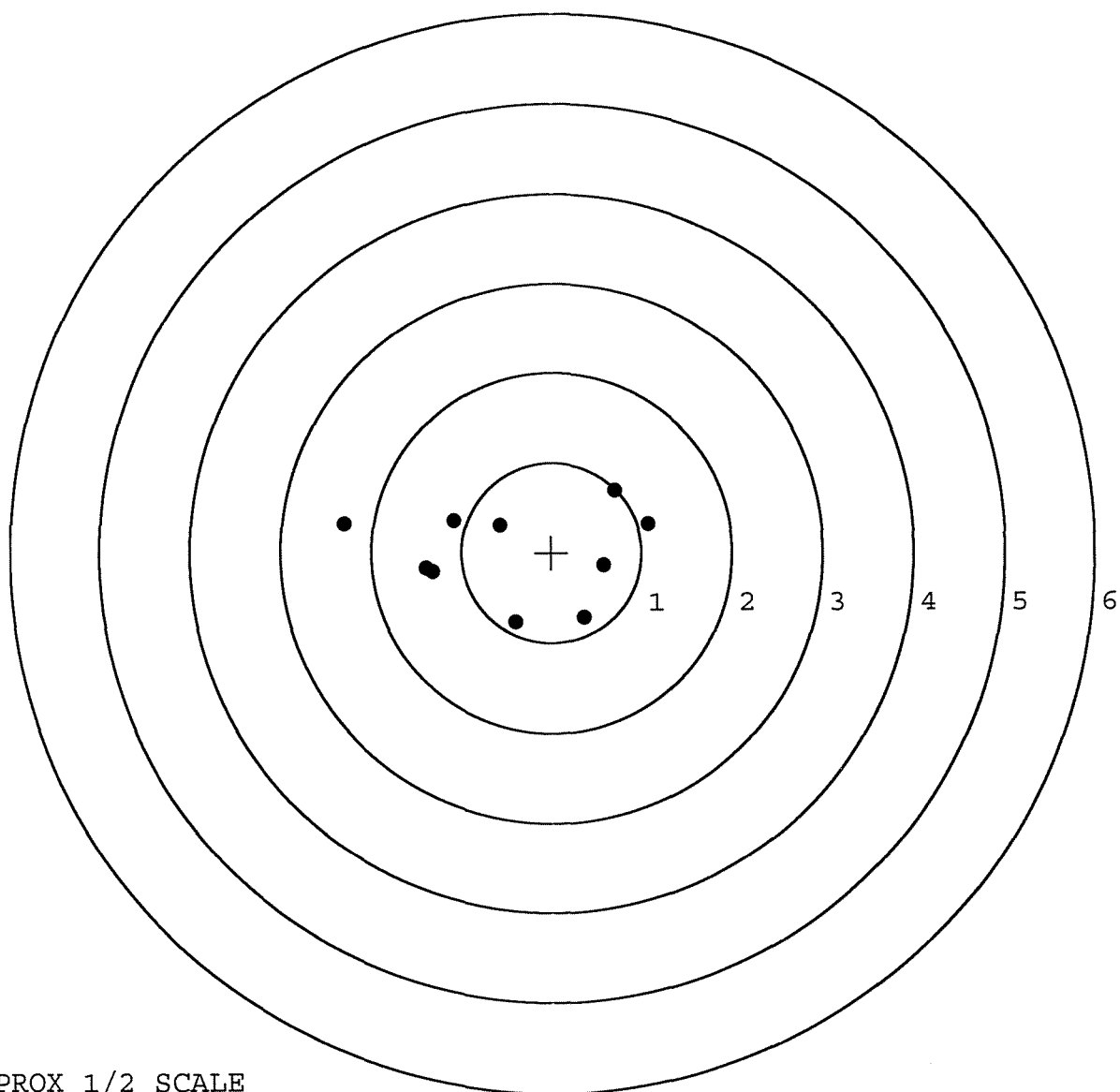


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594548. 0
TARGET NUMBER: 4
FILE DATE: 12/04/2001
FILE TIME: 03:22

X CENTROID: -0.438
Y CENTROID: -0.006
POA TO CENTROID: 0.438
HORZ SPREAD: 3.370
VERT SPREAD: 1.470
GROUP SPREAD: 3.370
MIN RADIUS: 0.340
MAX RADIUS: 1.892
MEAN RADIUS: 1.062
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.704	0.691
2:	1.068	0.317
3:	0.583	-0.141
4:	0.363	-0.724
5:	-0.404	-0.779
6:	-1.399	-0.175
7:	-2.302	0.314
8:	-1.087	0.353
9:	-0.576	0.305
10:	-1.325	-0.218

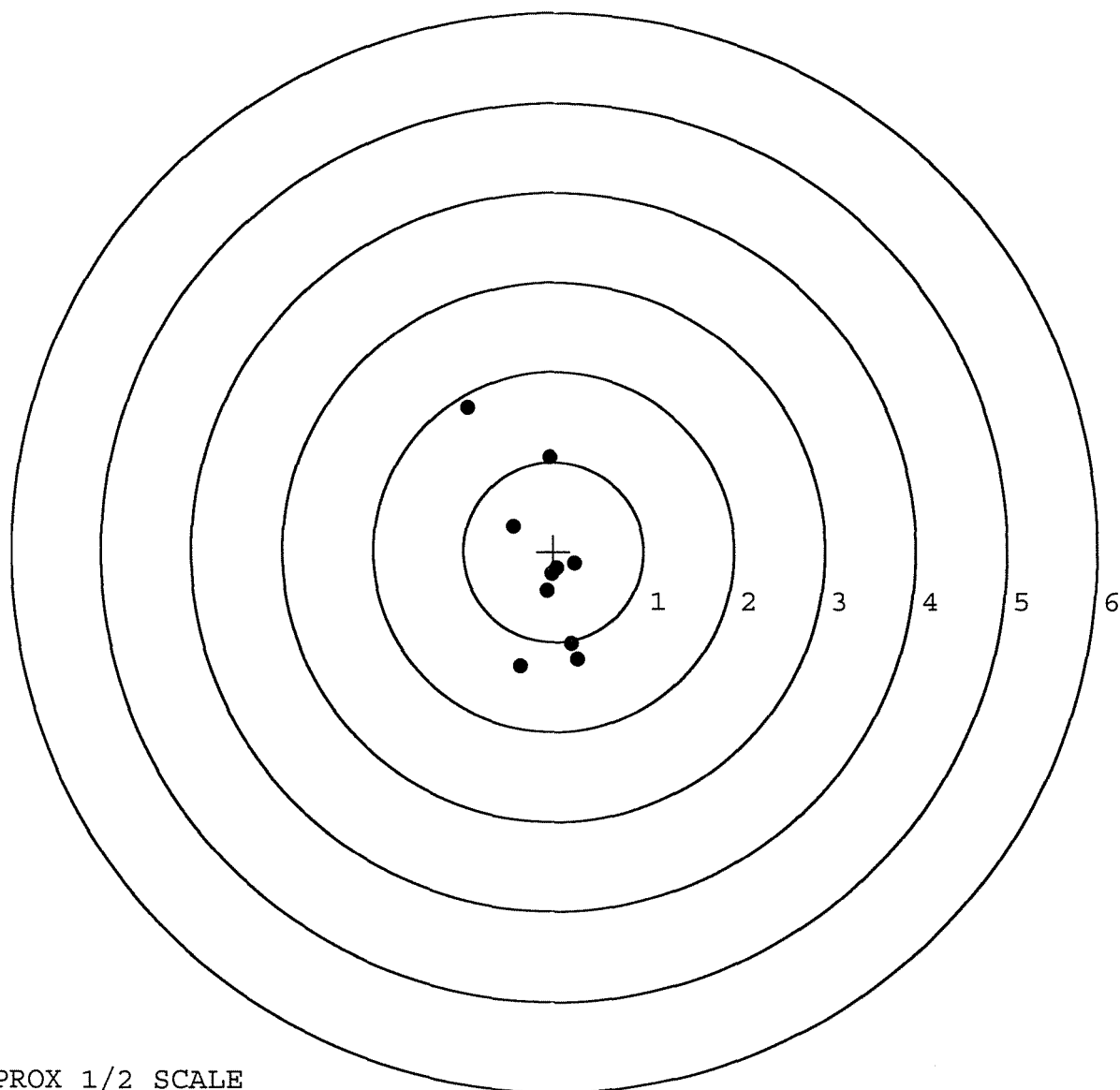


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594548. 0
TARGET NUMBER: 5
FILE DATE: 12/04/2001
FILE TIME: 03:22

X CENTROID: -0.117
Y CENTROID: -0.159
POA TO CENTROID: 0.197
HORZ SPREAD: 1.231
VERT SPREAD: 2.877
GROUP SPREAD: 3.052
MIN RADIUS: 0.131
MAX RADIUS: 1.947
MEAN RADIUS: 0.781
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.955	1.598
2:	-0.051	1.051
3:	-0.453	0.274
4:	-0.363	-1.279
5:	0.276	-1.195
6:	0.202	-1.020
7:	-0.071	-0.443
8:	-0.025	-0.252
9:	0.036	-0.188
10:	0.237	-0.137



TARGET APPROX 1/2 SCALE

Remington

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

MODEL 700™ M24**SERIAL NO.****C6594548****ORDER NO.****5716**

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

20



5716 C6594548

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6594548

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		1-7-91	KR
	Magnaflux Bolt		1-7-91	KR
615	Rollmark Caliber		1-7-91	G.S.
617	Drill and Tap Sight Holes	1	10 91	FB
618	Polish Barrel	1	10 91	WB
620	Apply Coatings (Barrel Action)		1-26-91	HA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/11/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/11/91	KA
	C) Inspect Ejector Hole for Chamfer		2/11/91	KA
	D) Oil Firing Pin Ass'y		2/11/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2/12/91	KA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2			2/12/91	WB
	G) Safety Off Force	3	3	3			2/12/91	WB
	H) Trigger Pull Test & Retainability						2/12/91	JM
	I) Firing Pin Indent	.0205	.020	.020			2/12/91	WB
	J) Assemble Stock						2/12/91	KH
	K) Assemble Swivel Studs						2-25-91	AC
	L) Attach Front and Rear Sight Assemblies						2/12/91	KH
	M) Iron Sight Alignment						2/12/91	KH
	N) Detach Front & Rear Sights & place in numbered container						2/12/91	KH
	O) Attach Scope to Rifle						2/12/91	KH
	P) Detach & Attach Scope 20 Times						2/12/91	KH
640	Gallery Target & Test						2/12/91	KH
	A) Time							KH
	B) Malfunctions							KH
	C) Pierced Primers							KH
	D) Optical Clarity of Scope							KH
645	Inspect for Live Ammo						2/12/91	KH
655	Final Inspection							
	A) Headspace						2-25-91	AC
	B) Trigger Pull	2.61	2.65	2.30	2.31	2.28	2/22/91	JM
	C) Function						2-25-91	AC
660	Pack						3-14-91	AC

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C.6594548

DATE 2/12/91

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.20	2.17	2.61	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.30	2.29	2.42	2.65	
PULL #3	2.26	2.30	2.35	2.30	
PULL #4	2.24	2.29	2.47	2.31	
PULL #5	2.21	2.30	2.47	2.28	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.50		
PULL #2	3.44	3.50		
PULL #3	3.49	3.49		
PULL #4	3.47	3.20		
PULL #5	3.34	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	4.34	4.28		4.31
PULL #2	4.33	4.25		4.31
PULL #3	4.28	4.31		4.34
PULL #4	4.35	4.34		4.24
PULL #5	4.31	4.29		4.28
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594548
13 Feb. 1991

CENTROIDAL DISTANCES

Ø TO	1	.102694
1 TO	2	.0283019
1 TO	3	.086977
1 TO	4	.409821
1 TO	5	.179747

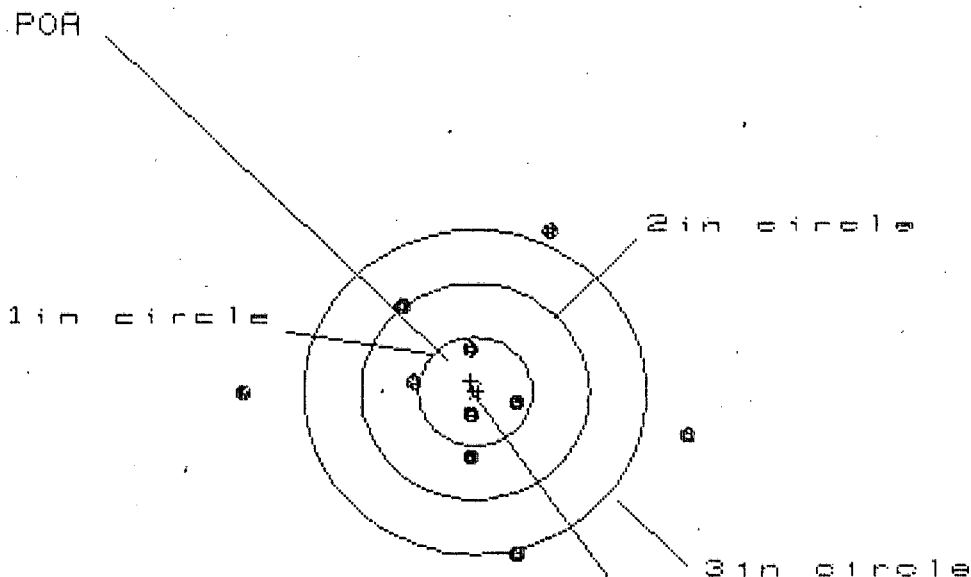
1
2
3
4
5
←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0252
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0392
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0466013
THE AMR FOR THIS RIFLE IS: .915

13 Feb 1991

FILE://PATTERNING/CENTERFIRE_PATT/C6594548

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in - 3

2in - 5

3in - 6

HS- 3.911

VS- 2.992

GS- 3.938

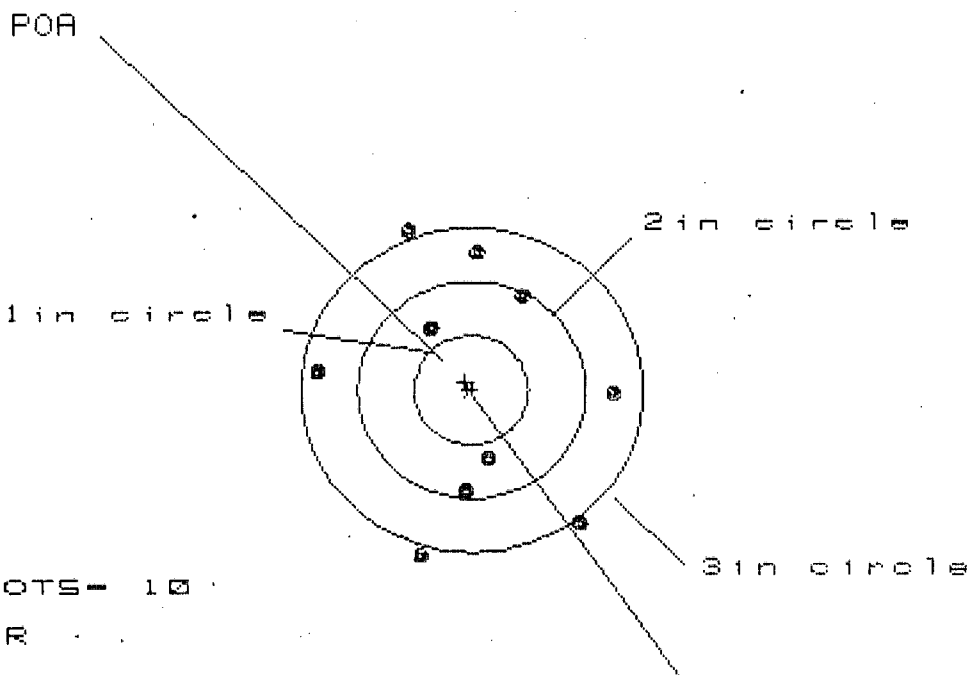
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.890	1.666	.668
MINIMUM X	:	-2.021	-.895	-.687
MAXIMUM Y	:	1.529	1.533	1.481
MINIMUM Y	:	-1.463	-1.459	-1.511
CENTROID X	:	.039	.263	.055
CENTROID Y	:	-.095	-.099	-.047
POA TO CENTROID in.	:	.103	.281	.072
MIN RADIUS	:	.246	.143	.295
MEAN RADIUS	:	1.028	.923	.794
MAX RADIUS	:	2.021	1.718	1.625
HORIZONTAL SPREAD	:	3.911	2.561	1.355
VERTICAL SPREAD	:	2.992	2.992	2.992
EXTREME SPREAD	:	3.938	3.010	3.010
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		6	

13 Feb 1991

FILE://PATTERNING/CENTERFIRE_PATT/C6594548

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 0

2in = 4

3in = 7

HS = 2.559

VS = 2.977

GS = 3.080

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.212	1.162	1.087
MINIMUM X	:	-1.347	-1.397	-1.472
MAXIMUM Y	:	1.465	1.297	1.384
MINIMUM Y	:	-1.512	-1.389	-1.227
CENTROID X	:	.054	.104	.179
CENTROID Y	:	-.071	.097	-.065
POA TO CENTROID in.	:	.089	.142	.191
MIN RADIUS	:	.624	.592	.612
MEAN RADIUS	:	1.171	1.113	1.065
MAX RADIUS	:	1.578	1.659	1.483
HORIZONTAL SPREAD	:	2.559	2.559	2.559
VERTICAL SPREAD	:	2.977	2.686	2.531
EXTREME SPREAD	:	3.080	3.080	2.692
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

13 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8534548

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 8

HS= 2.620

VS= 4.320

GS= 4.485

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.712	1.023	1.114
MINIMUM X	-.908	-.718	-.627
MAXIMUM Y	1.966	.492	.224
MINIMUM Y	-2.362	-2.144	-.377
CENTROID X	-.022	-.212	-.303
CENTROID Y	-.033	-.251	.017
POA TO CENTROID in.	.039	.329	.303
MIN RADIUS	.255	.265	.069
MEAN RADIUS	.953	.745	.442
MAX RADIUS	2.607	2.264	1.115
HORIZONTAL SPREAD	2.620	1.741	1.741
VERTICAL SPREAD	4.320	2.636	.601
EXTREME SPREAD	4.485	2.836	1.741
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		8	

13 Feb 1991

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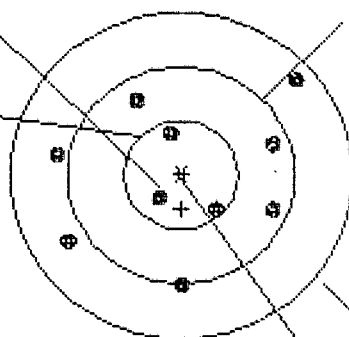
CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HS= 2.116

VS= 1.942

GS= 2.534

CENTROID #

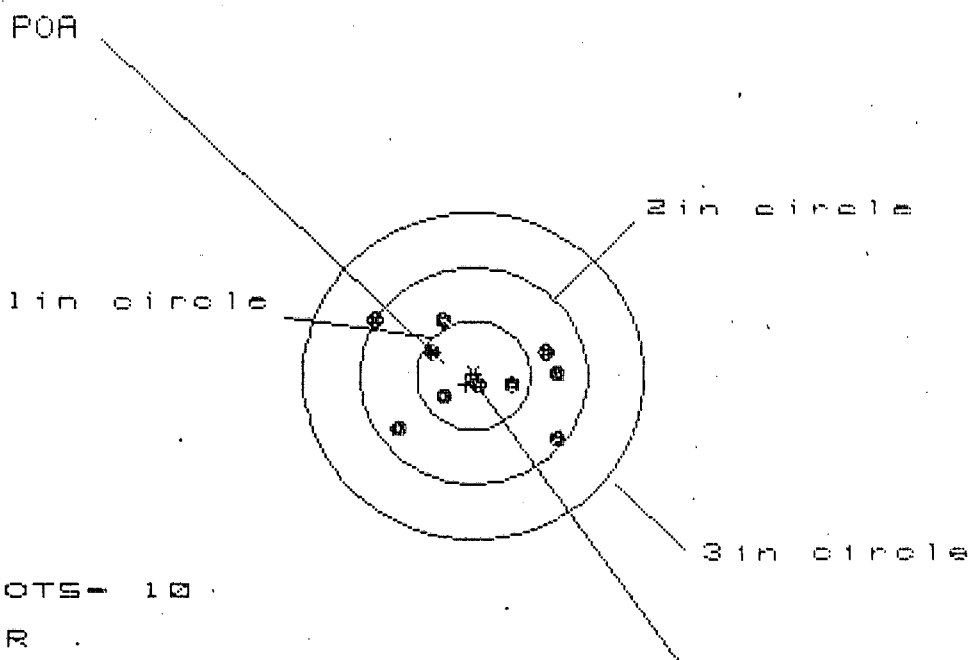
PATTERN # : 4

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.001	.885	.773
MINIMUM X	:	-1.115	-1.004	-1.116
MAXIMUM Y	:	.897	.780	.712
MINIMUM Y	:	-1.045	-.945	-1.013
CENTROID X	:	-.009	-.120	-.008
CENTROID Y	:	.312	.212	.280
POA TO CENTROID in.	:	.312	.243	.280
MIN RADIUS	:	.291	.141	.272
MEAN RADIUS	:	.829	.761	.718
MAX RADIUS	:	1.344	1.059	1.148
HORIZONTAL SPREAD	:	2.116	1.889	1.889
VERTICAL SPREAD	:	1.942	1.725	1.725
EXTREME SPREAD	:	2.534	2.008	1.970
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594548

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 4

2in = 10

3in = 10

HS= 1.640

VS= 1.157

GS= 1.965

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.784	.791	.695
MINIMUM X	:	-.856	-.769	-.703
MAXIMUM Y	:	.544	.476	.527
MINIMUM Y	:	-.613	-.559	-.508
CENTROID X	:	.064	-.023	.073
CENTROID Y	:	.083	.151	.100
POA TO CENTROID in.	:	.105	.152	.124
MIN RADIUS	:	.084	.191	.097
MEAN RADIUS	:	.594	.551	.497
MAX RADIUS	:	.995	.868	.868
HORIZONTAL SPREAD	:	1.640	1.560	1.398
VERTICAL SPREAD	:	1.157	1.035	1.035
EXTREME SPREAD	:	1.965	1.617	1.497
NUMBER IN ONE INCH CIRCLE =	:	4		
NUMBER IN TWO INCH CIRCLE =	:	10		
NUMBER IN THREE INCH CIRCLE =	:	10		