

06523421

MODEL 700™ M24

Model **SMS**™

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: **RE00155570**

Serial: C6523421 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 11/19/2008 9:53:45 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: PUEBLO CHEMICAL DEPOT

PUEBLO CHEMICAL DEPOT

Address 1: 45825 HWY 96 EAST BLDG 78

45825 HWY 96 EAST BLDG 78

Address 2: PO Box:

PO Box:

City: PUEBLO

PUEBLO

State: CO Zip Code: 81006

Country: US

State: CO Zip Code: 81006

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
A008	With Swivel	2
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

11/19/2008

9:56 AM

CAPS

NUM

INS

SCR

Serial Number: **C6523421**

Model: M24 SWS



RE00155570

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

R & E NUMBER 155570
SERIAL NUMBER C6523421
LOG-IN DATE 11-19-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	1-12-09	RTZ
505	RE-BARREL	1-13-09	RTZ
560	ASSEMBLE	1-13-09	RTZ
600	PROOF	1-14-09	TH
605	CHECK HEADSPACE	1-14-09	RTZ
610	DIS-ASSEMBLE GUN	1-14-09	RTZ
612	MAGNAFLUX	1-17-09	AS
510	DRILL AND TAP	1-14-09	SP
615	ROLLMARK CALIBER		
618	ROTO-BLAST	1-19-09	RT
620	APPLY COATINGS	1-22-09	
625	FINAL ASSEMBLY	1-23-09	RTZ
640	FUNCTION TEST AND	1-26-09	PPD
650	TARGET	1-26-09	PPD
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	1-28-09	L.N.
	A) HEADSPACE	PASS FAIL	1-28-09 L.N.
	B) TRIGGER PULL	2.82 2.85 2.76 2.81 2.81	1-27-09 Fm
680	F) SAFETY ON FORCE	4.0 4.0 4.0	1-28-09 L.N.
	G) SAFETY OFF FORCE	5.0 5.0 5.0	1-28-09 L.N.
	I) FIRING PIN INDENT	.024 .024 .024	1-28-09 L.N.
690	PACK		1-28-09 Fm

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523421.___0

FILE DATE AND TIME: 01/27/2009 06:28

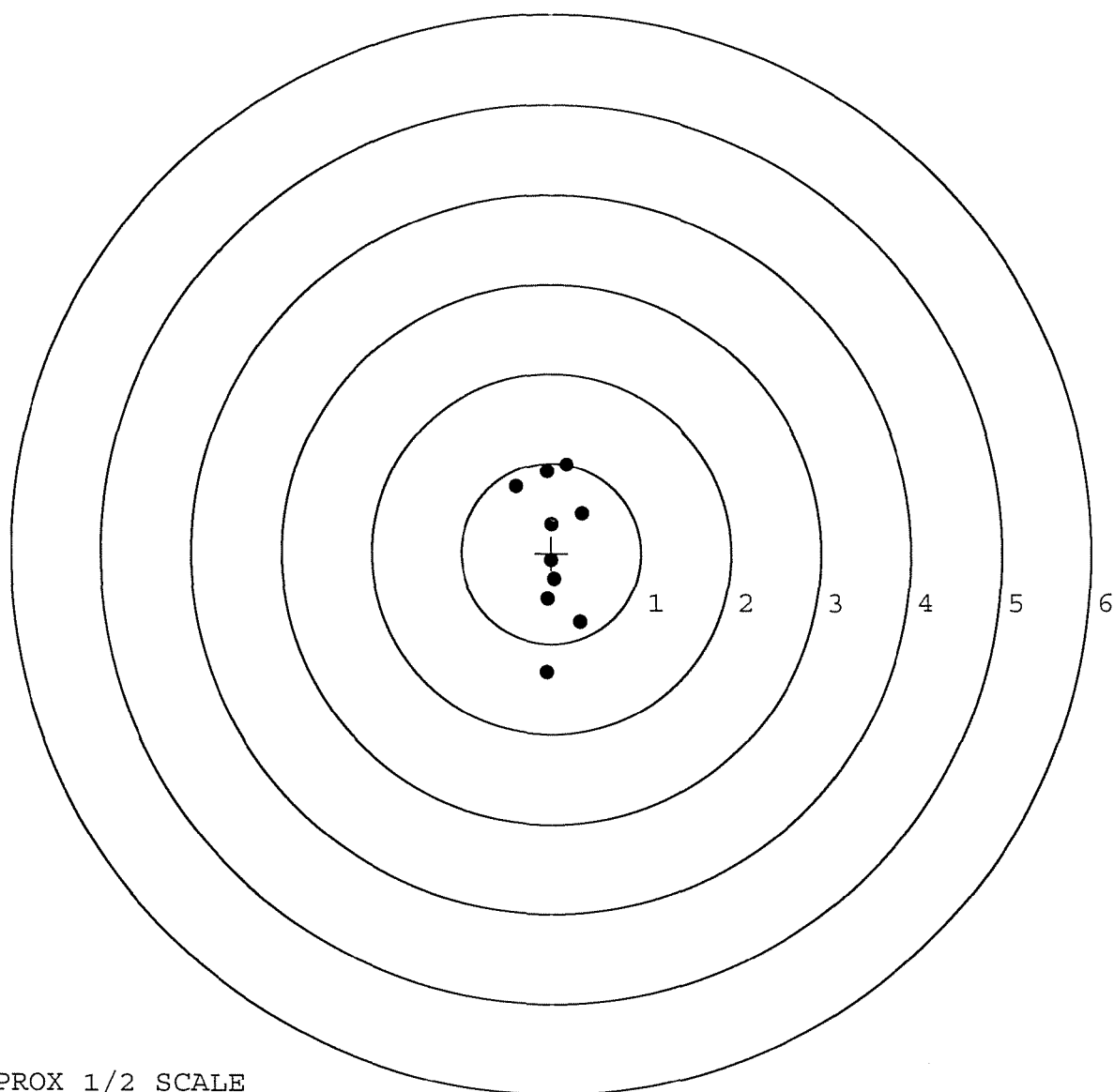
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.085
The Average Y Centroid of the Five Target Set:	0.071
The Average Point of Impact of the Five Target Set:	0.110
The Average Mean Radius of the Five Target Set:	0.686
The Distance from POA to Centroid Target #1:	0.055
The Distance from Centroid Target #2 to Centroid Target #1:	0.503
The Distance from Centroid Target #3 to Centroid Target #1:	0.267
The Distance from Centroid Target #4 to Centroid Target #1:	0.131
The Distance from Centroid Target #5 to Centroid Target #1:	0.119

SERIAL NUMBER: C6523421. __0
TARGET NUMBER: 1
FILE DATE: 01/27/2009
FILE TIME: 06:28

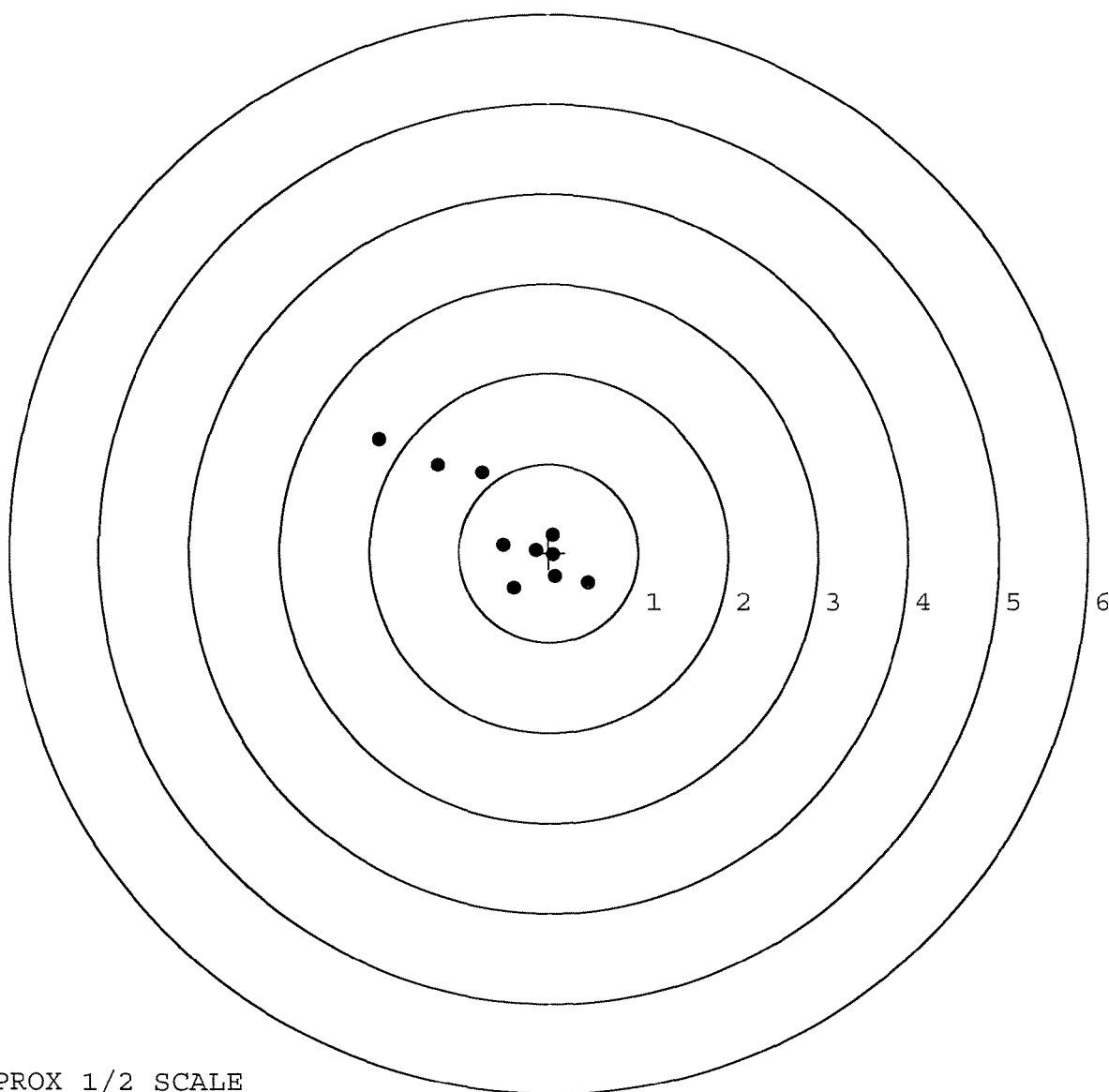
POINT#	X	Y
1:	0.174	0.983
2:	-0.049	0.910
3:	-0.393	0.736
4:	0.347	0.444
5:	-0.003	0.321
6:	-0.059	-1.317
7:	0.332	-0.763
8:	-0.040	-0.508
9:	0.028	-0.289
10:	-0.009	-0.080

X CENTROID: 0.033
Y CENTROID: 0.044
POA TO CENTROID: 0.055
HORZ SPREAD: 0.740
VERT SPREAD: 2.300
GROUP SPREAD: 2.312
MIN RADIUS: 0.131
MAX RADIUS: 1.364
MEAN RADIUS: 0.667
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523421. __0	POINT#	X	Y
TARGET NUMBER: 2	1:	-1.888	1.269
FILE DATE: 01/27/2009	2:	-1.238	0.981
FILE TIME: 06:28	3:	-0.736	0.900
	4:	-0.502	0.090
X CENTROID: -0.429	5:	-0.390	-0.405
Y CENTROID: 0.243	6:	0.444	-0.338
POA TO CENTROID: 0.493	7:	0.070	-0.273
HORZ SPREAD: 2.332	8:	-0.141	0.031
VERT SPREAD: 1.674	9:	0.048	-0.022
GROUP SPREAD: 2.832	10:	0.048	0.200
MIN RADIUS: 0.170			
MAX RADIUS: 1.784			
MEAN RADIUS: 0.757			
# IN 1 IN DIAMETER: 3			
# IN 2 IN DIAMETER: 7			
# in 3 IN DIAMETER: 9			



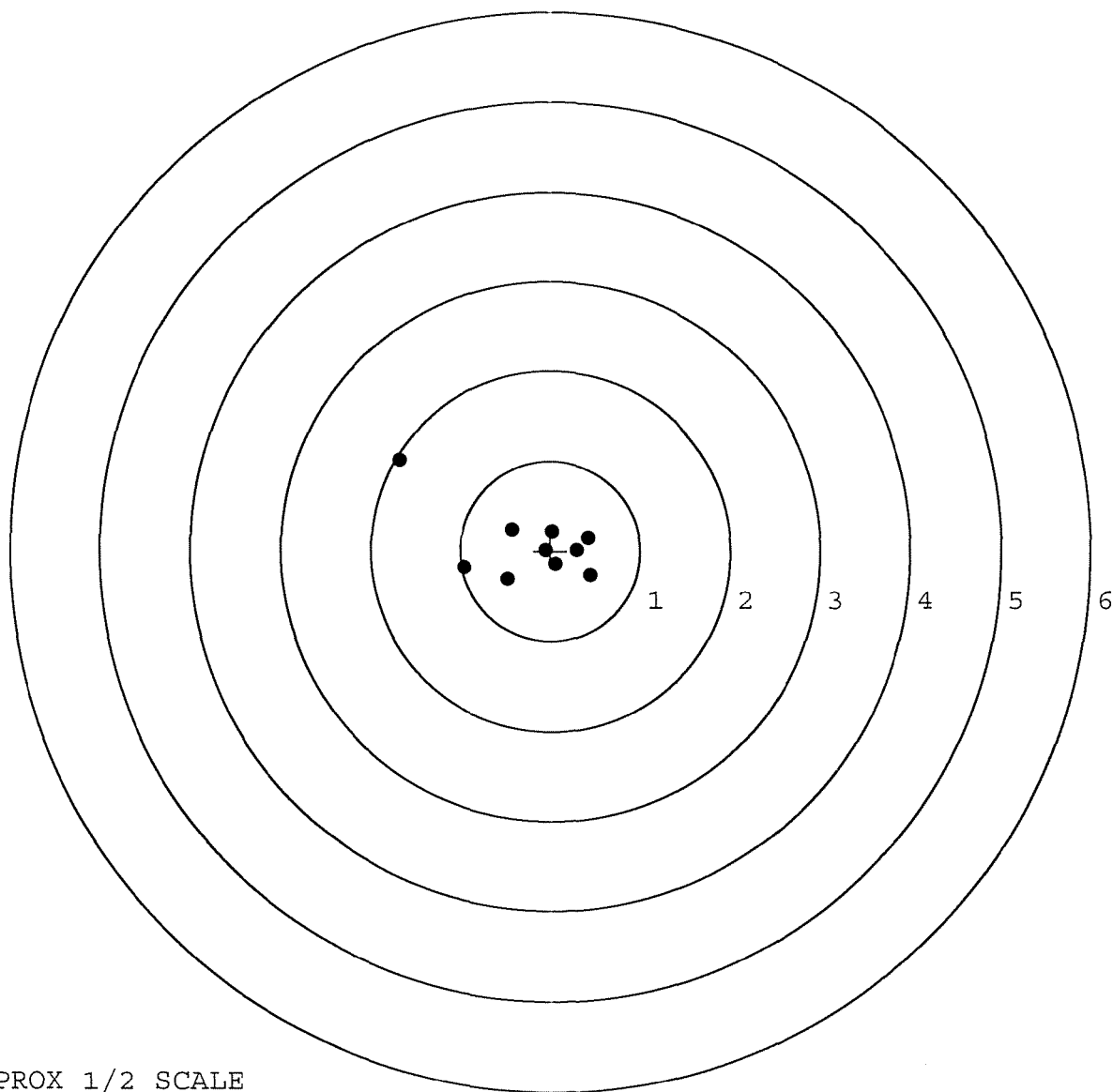
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523421. __0
TARGET NUMBER: 3
FILE DATE: 01/27/2009
FILE TIME: 06:28

X CENTROID: -0.233
Y CENTROID: 0.071
POA TO CENTROID: 0.243
HORZ SPREAD: 2.127
VERT SPREAD: 1.332
GROUP SPREAD: 2.484
MIN RADIUS: 0.184
MAX RADIUS: 1.721
MEAN RADIUS: 0.603

IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.674	1.012
2:	-0.955	-0.192
3:	-0.477	-0.320
4:	-0.432	0.238
5:	0.025	0.219
6:	0.431	0.152
7:	0.453	-0.271
8:	0.054	-0.152
9:	0.306	0.015
10:	-0.059	0.012

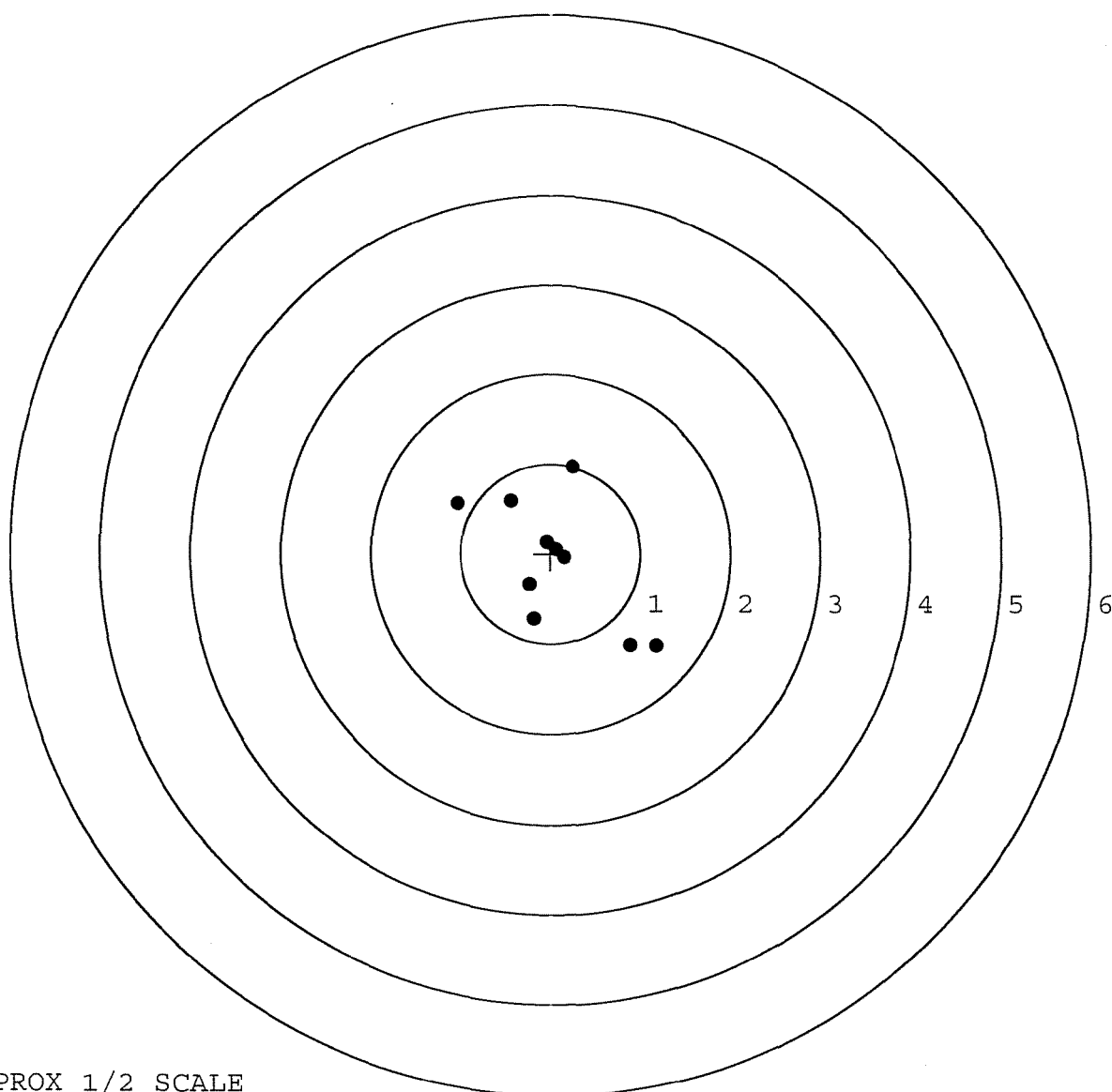


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523421. __0
TARGET NUMBER: 4
FILE DATE: 01/27/2009
FILE TIME: 06:28

POINT#	X	Y
1:	-1.036	0.560
2:	-0.445	0.593
3:	0.249	0.970
4:	1.177	-1.020
5:	0.887	-1.016
6:	-0.043	0.133
7:	0.155	-0.042
8:	-0.190	-0.730
9:	-0.239	-0.345
10:	0.066	0.047

X CENTROID: 0.058
Y CENTROID: -0.085
POA TO CENTROID: 0.103
HORZ SPREAD: .2.213
VERT SPREAD: 1.990
GROUP SPREAD: 2.719
MIN RADIUS: 0.106
MAX RADIUS: 1.458
MEAN RADIUS: 0.746
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

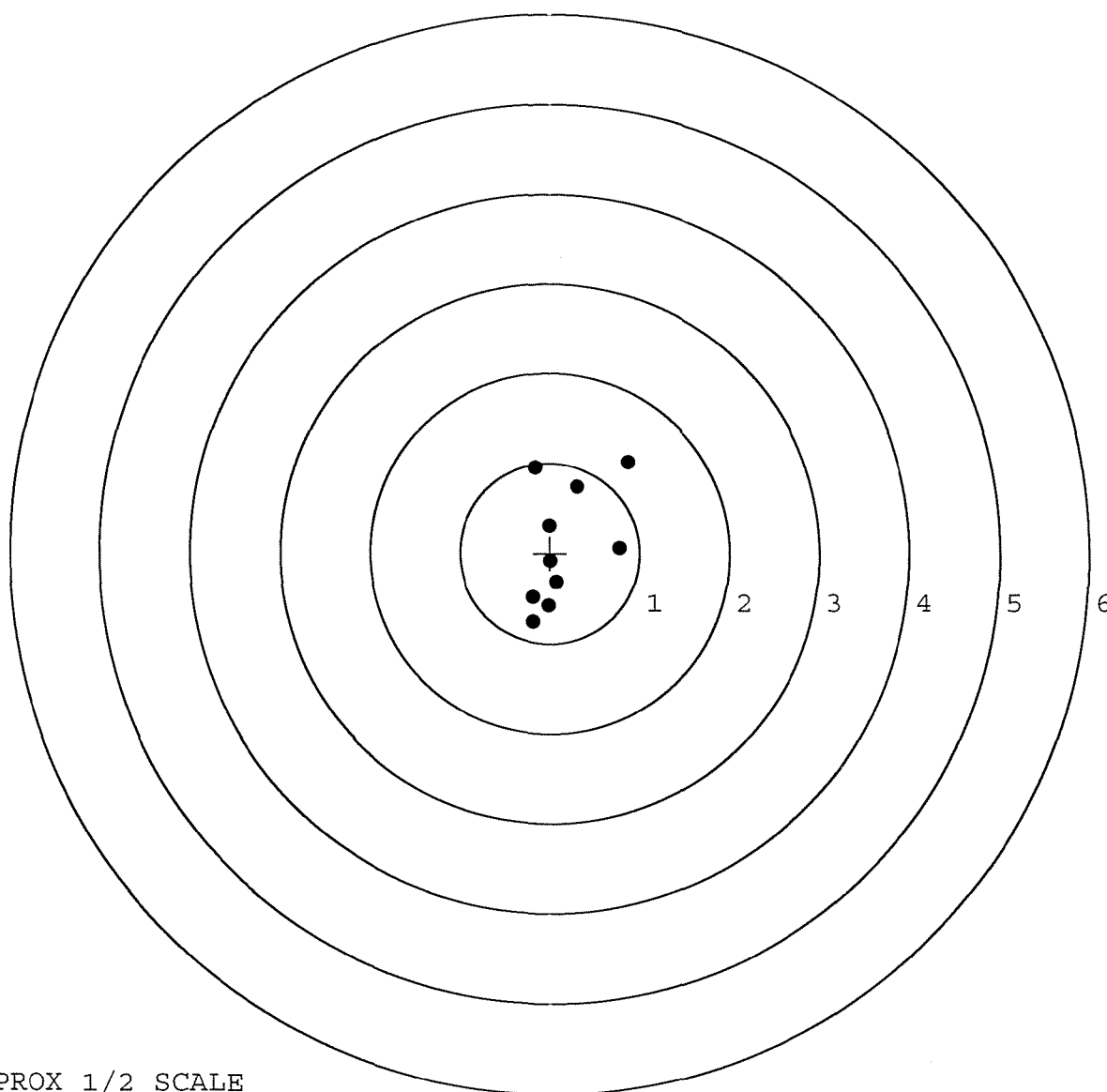


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523421. __0
TARGET NUMBER: 5
FILE DATE: 01/27/2009
FILE TIME: 06:28

X CENTROID: 0.147
Y CENTROID: 0.080
POA TO CENTROID: 0.167
HORZ SPREAD: 1.069
VERT SPREAD: 1.772
GROUP SPREAD: 2.069
MIN RADIUS: 0.229
MAX RADIUS: 1.182
MEAN RADIUS: 0.658
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.879	1.008
2:	-0.161	0.949
3:	0.310	0.734
4:	0.779	0.059
5:	-0.008	0.303
6:	-0.005	-0.091
7:	0.071	-0.323
8:	-0.190	-0.492
9:	-0.190	-0.764
10:	-0.019	-0.583



TARGET APPROX 1/2 SCALE

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

Remington[®]

REG. U.S. PAT. & TM. OFF.

MODEL 700TM H24

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

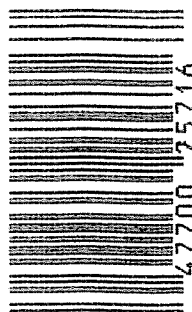
SERIAL NO.
06523421

ORDER NO.
5716



5716 06523421

LPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6523421

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 24	90	RW
600	Proof	9 24	90	RW
607	Check Headspace	9 24	90	RW
610	Dis-assemble Gun	9 24	90	RW
612	Magnaflux Barrel Action		9-25-90	KR
	Magnaflux Bolt		9-25-90	KR
615	Rollmark Caliber		9-25-90	JS
617	Drill and Tap Sight Holes		9-25-90	FB
618	Polish Barrel AB		9/28/90	WB
620	Apply Coatings (Barrel Action)		10-2-90	TA
	Apply Coating (Bolt)		10-2-90	TA
625	Final Assembly A) Clean inside of Bolt Assembly		10/9/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/9/90	RW
	C) Inspect Ejector Hole for Chamfer		10/9/90	RW
	D) Oil Firing Pin Ass'y		10/9/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/30/90	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 nt.	F) Safety On Force	3 3/4	3 3/4	3 3/4			10/30/90	WLB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			10/30/90	WLB
	H) Trigger Pull Test & Retainability						10/30/90	98
	I) Firing Pin Indent	.0225	.0225	.023			10/30/90	WLB
	J) Assemble Stock						10/31/90	RW
	K) Assemble Swivel Studs						3/10/90	418
	L) Attach Front and Rear Sight Assemblies						10/31/90	RW
	M) Iron Sight Alignment						10/31/90	RW
	N) Detach Front & Rear Sights & place in numbered container						10/31/90	RW
	O) Attach Scope to Rifle						10/31/90	RW
	P) Detach & Attach Scope 20 Times						10/31/90	RW
640	Gallery Target & Test						10/31/90	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						10/31/90	AF
655	Final Inspection							
	A) Headspace						3/10/90	98
	B) Trigger Pull	280	252	230	246	242	3/10/90	98
	C) Function						3/10/90	98
660	Pack						12-1790	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06523421

DATE 10/30/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.39	2.32	2.80	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.22	2.30	2.52	
PULL #3	2.35	2.49	2.38	2.30	
PULL #4	2.41	2.47	2.43	2.46	
PULL #5	2.33	2.40	2.40	2.42	
TOTAL	12.1	11.97	11.83		
AVG.	2.42	2.394	2.316		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.21		
PULL #2	3.32	3.38		
PULL #3	3.21	3.19		
PULL #4	3.34	3.26		
PULL #5	3.28	3.35		
TOTAL	16.54	16.39		
AVG.	3.308	3.278		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.13		4.48
PULL #2	4.15	4.16		4.26
PULL #3	4.50	4.11		4.21
PULL #4	4.49	4.11		4.16
PULL #5	4.24	4.20		4.41
TOTAL	21.75	20.71		21.52
AVG.	4.35	4.142		4.304

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523421
1 Nov 1990

CENTROIDAL DISTANCES

0 TO 1	.122776
1 TO 2	.201159
1 TO 3	.157747
1 TO 4	.413168
1 TO 5	.234691

45
5

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0332
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0014
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0332295
THE AMR FOR THIS RIFLE IS: .9166

1 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/005523421

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 2.181

VS= 2.089

GS= 2.347

CENTROID *

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.142

1.027

1.010

MINIMUM X

-1.039

-1.151

-1.168

MAXIMUM Y

.818

.862

.715

MINIMUM Y

-1.271

-1.180

-.777

CENTROID X

.115

.230

.247

CENTROID Y

-.043

-.134

.013

POA TO CENTROID in.

.123

.267

.247

MIN RADIUS

.408

.384

.477

MEAN RADIUS

.918

.870

.820

MAX RADIUS

1.322

1.211

1.280

HORIZONTAL SPREAD

2.181

2.178

2.178

VERTICAL SPREAD

2.089

2.042

1.492

EXTREME SPREAD

2.347

2.336

2.336

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

5

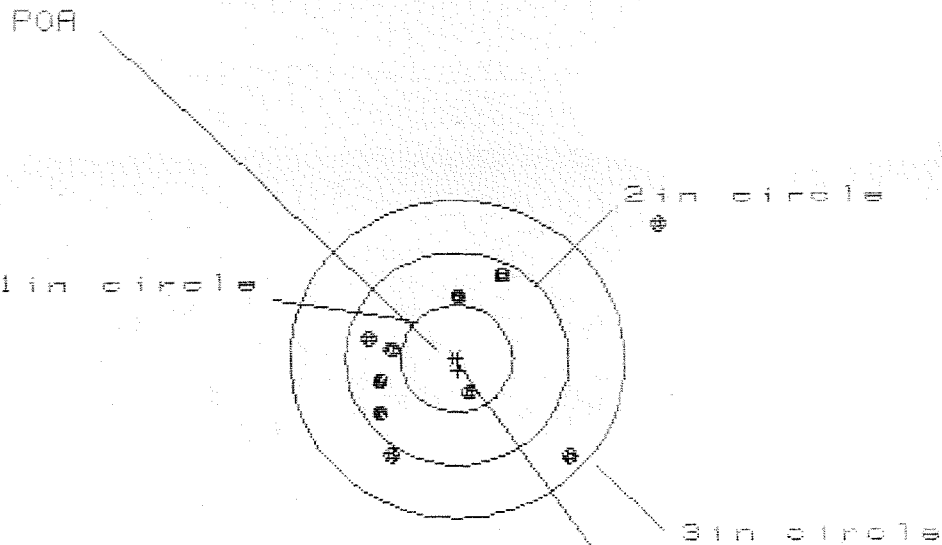
NUMBER IN THREE INCH CIRCLE =

10

1 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/BC6523421

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 2.624

VS= 2.142

GS= 3.201

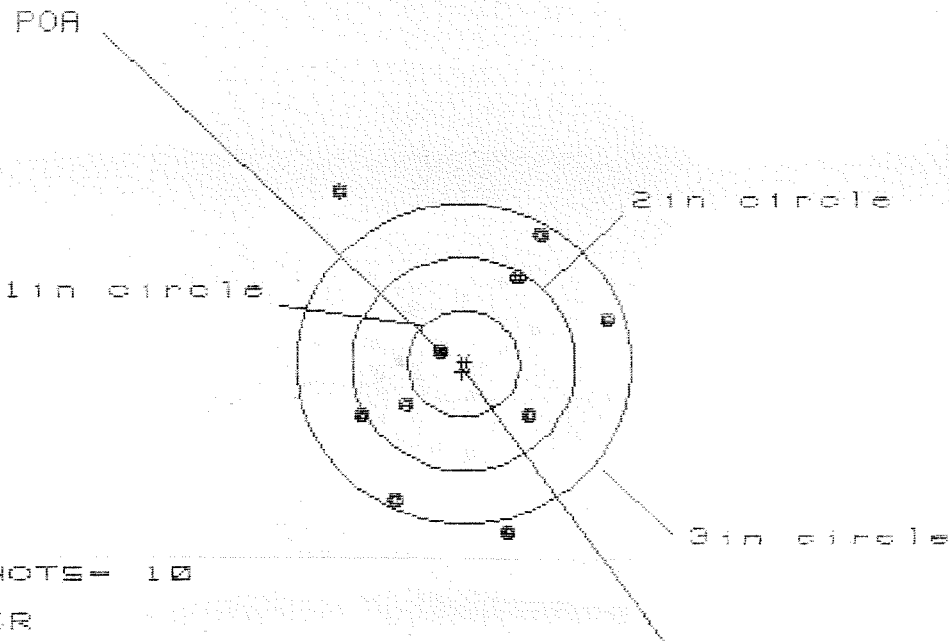
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.810	1.247	.768
MINIMUM X	:	-.814	-.612	-.456
MAXIMUM Y	:	1.258	.924	.831
MINIMUM Y	:	-.884	-.744	-.834
CENTROID X	:	-.012	-.214	-.370
CENTROID Y	:	.113	-.027	.066
POA TO CENTROID in.	:	.114	.215	.375
MIN RADIUS	:	.317	.338	.283
MEAN RADIUS	:	.943	.748	.622
MAX RADIUS	:	2.205	1.452	1.131
HORIZONTAL SPREAD	:	2.624	1.859	1.224
VERTICAL SPREAD	:	2.142	1.668	1.665
EXTREME SPREAD	:	3.201	2.121	1.933
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

1 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/008523421

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS = 2.391

VS = 3.134

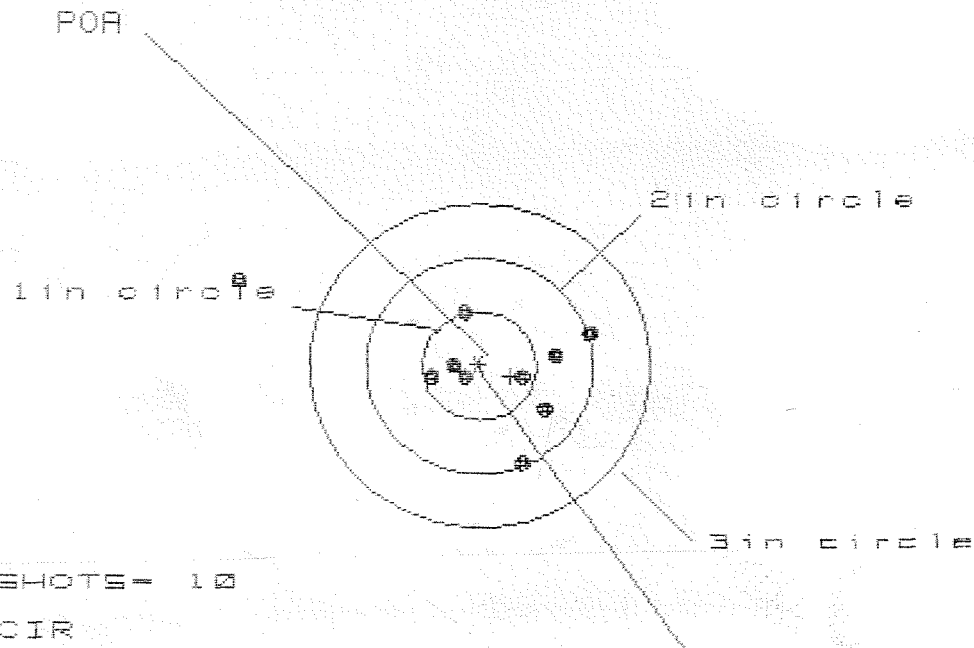
GS = 3.476

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.292	1.170	1.206
MINIMUM X	:	-1.099	-1.023	-.987
MAXIMUM Y	:	1.595	1.348	1.178
MINIMUM Y	:	-1.539	-1.362	-1.240
CENTROID X	:	.015	.137	.101
CENTROID Y	:	.079	-.098	.072
POA TO CENTROID in.	:	.081	.168	.124
MIN RADIUS	:	.265	.455	.349
MEAN RADIUS	:	1.126	1.031	.972
MAX RADIUS	:	1.936	1.448	1.440
HORIZONTAL SPREAD	:	2.391	2.193	2.193
VERTICAL SPREAD	:	3.134	2.710	2.418
EXTREME SPREAD	:	3.476	2.743	2.743
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

1 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/DCB523421

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 3.105

VS= 1.672

GS= 3.141

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.993	.759	.524
MINIMUM X	-2.112	-.663	-.569
MAXIMUM Y	.751	.570	.615
MINIMUM Y	-.920	-.837	-.792
CENTROID X	-.273	-.039	-.134
CENTROID Y	.099	.015	-.030
POA TO CENTROID in.	.291	.041	.137
MIN RADIUS	.171	.179	.270
MEAN RADIUS	.748	.561	.520
MAX RADIUS	2.241	.855	.837
HORIZONTAL SPREAD	3.105	1.422	1.093
VERTICAL SPREAD	1.672	1.407	1.407
EXTREME SPREAD	3.141	1.516	1.516
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

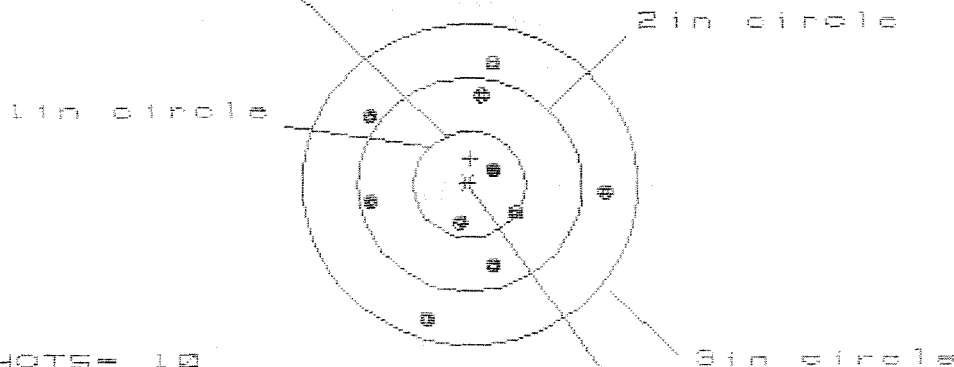
1 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/DCB523421

CENTERFIRE PATTERNS

5

POA



OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 10

HS= 2.161

VS= 2.404

GS= 2.463

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.238	1.197	.489
MINIMUM X	-.923	-.964	-.814
MAXIMUM Y	1.172	1.035	1.008
MINIMUM Y	-1.232	-.937	-.964
CENTROID X	-.011	.030	-.120
CENTROID Y	-.241	-.104	-.076
POA TO CENTROID in.	.241	.108	.142
MIN RADIUS	.300	.207	.353
MEAN RADIUS	.848	.795	.749
MAX RADIUS	1.286	1.217	1.044
HORIZONTAL SPREAD	2.161	2.161	1.303
VERTICAL SPREAD	2.404	1.972	1.972
EXTREME SPREAD	2.463	2.279	1.972
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	