

C6225396

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smead
®

Repair Inquiry

Repair Number: **RE00092683**Serial: C6225396 Model: M24 SWS Center Fire
Caliber: 7.62-NATO

Repairman:

Status:

Closed 2/8/2005 7:42:22 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 362014199

Country: US

State: AL

Zip Code: 362014199

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

Condition:

Notes:

CSR:

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

2/8/2005

9:44 AM

CAPS

NUM

INS

SCRL

start

3

Arms Services R

4

Serial Number: **C6225396**Model: **M24 SWS****RE00092683**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225396.___0

FILE DATE AND TIME: 03/14/2005 09:32

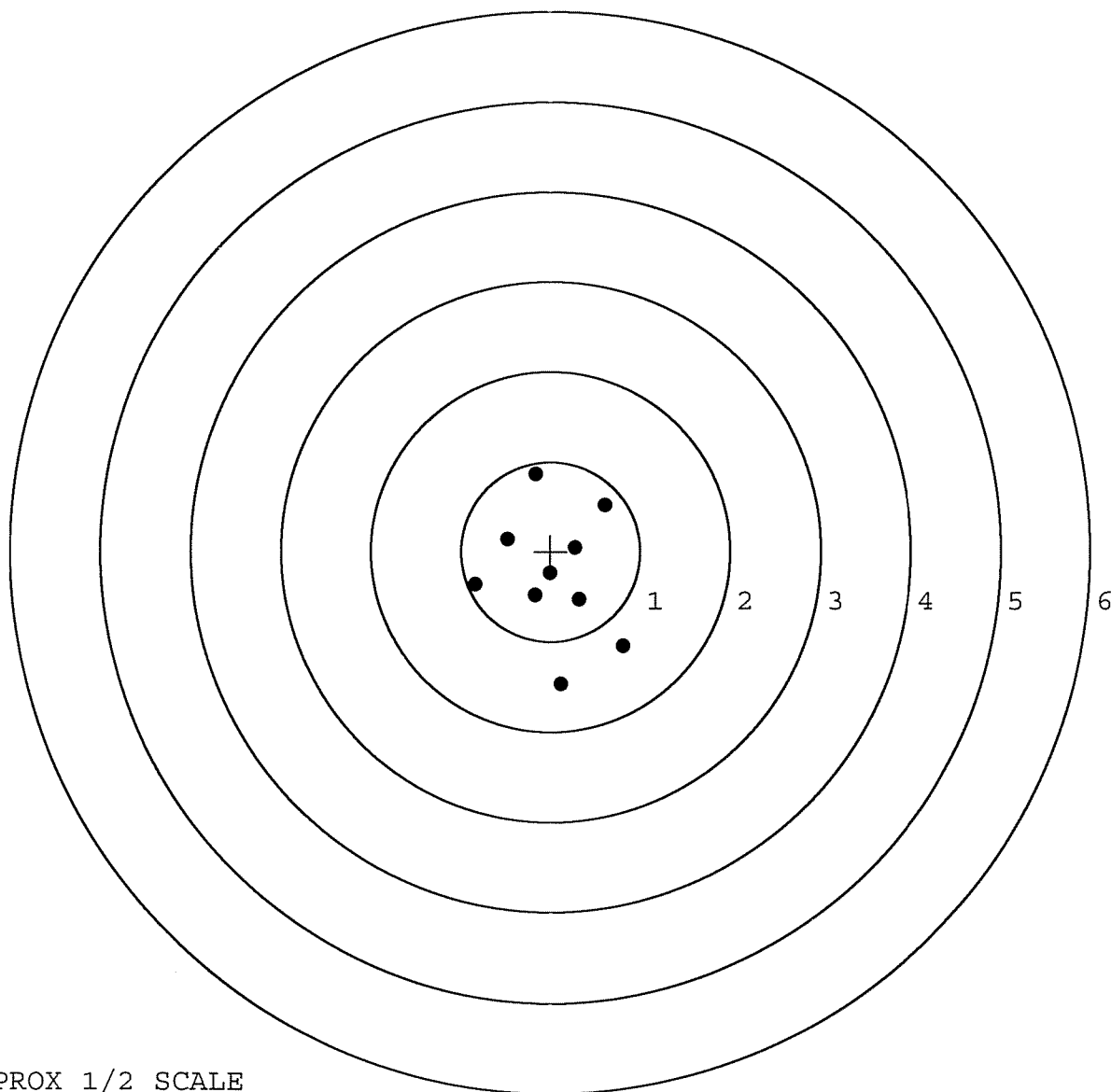
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.014
The Average Y Centroid of the Five Target Set:	-0.251
The Average Point of Impact of the Five Target Set:	0.251
The Average Mean Radius of the Five Target Set:	0.771
The Distance from POA to Centroid Target #1:	0.265
The Distance from Centroid Target #2 to Centroid Target #1:	0.187
The Distance from Centroid Target #3 to Centroid Target #1:	0.051
The Distance from Centroid Target #4 to Centroid Target #1:	0.100
The Distance from Centroid Target #5 to Centroid Target #1:	0.167

SERIAL NUMBER: C6225396. __0
 TARGET NUMBER: 1
 FILE DATE: 03/14/2005
 FILE TIME: 09:32

X CENTROID: 0.046
 Y CENTROID: -0.261
 POA TO CENTROID: 0.265
 HORZ SPREAD: 1.650
 VERT SPREAD: 2.336
 GROUP SPREAD: 2.353
 MIN RADIUS: 0.061
 MAX RADIUS: 1.215
 MEAN RADIUS: 0.713
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.809	-1.056
2:	0.114	-1.474
3:	0.324	-0.536
4:	-0.174	-0.492
5:	-0.013	-0.243
6:	0.280	0.045
7:	0.608	0.519
8:	-0.168	0.862
9:	-0.483	0.136
10:	-0.841	-0.372

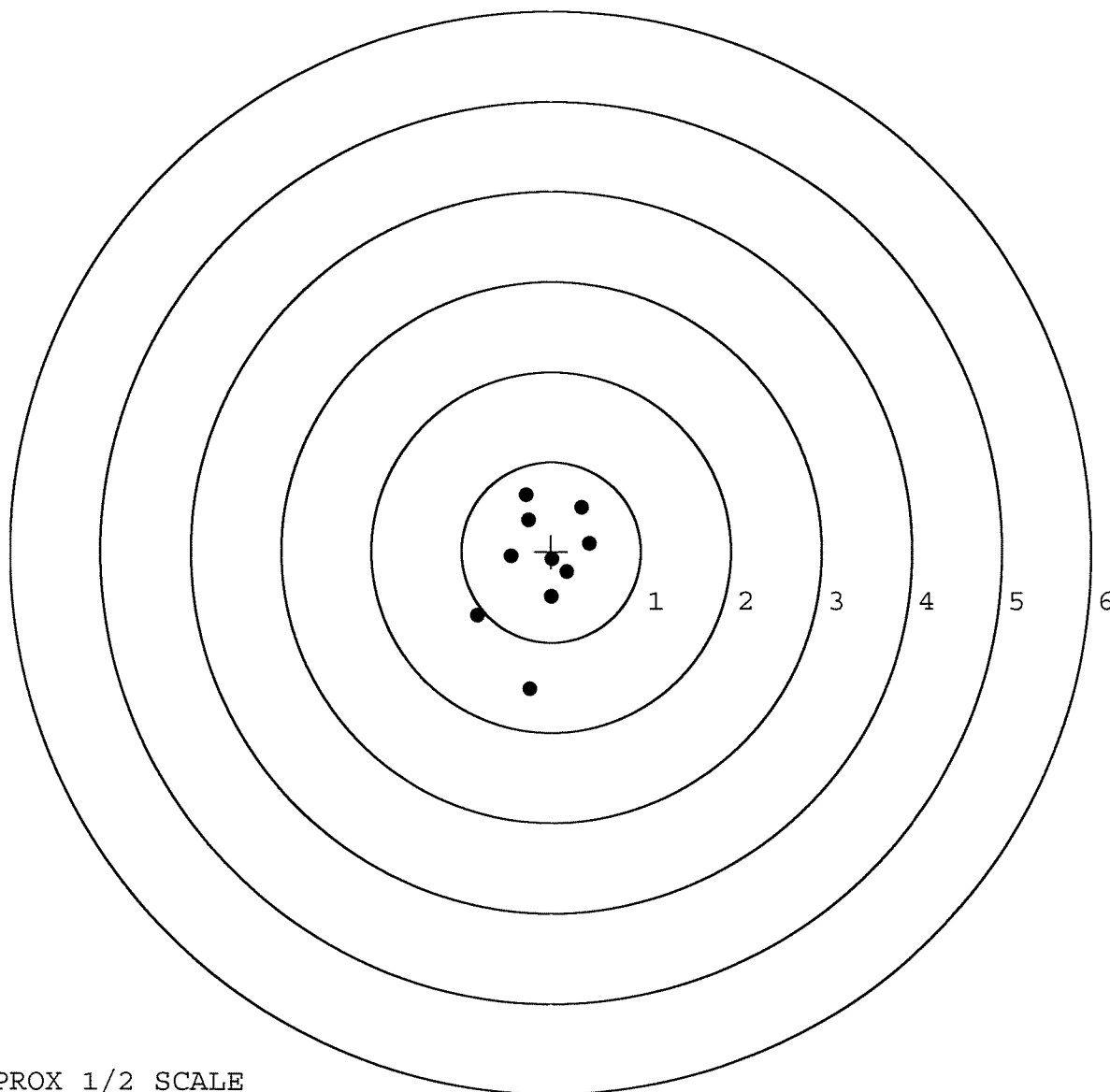


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225396.____0
 TARGET NUMBER: 2
 FILE DATE: 03/14/2005
 FILE TIME: 09:32

X CENTROID: -0.109
 Y CENTROID: -0.156
 POA TO CENTROID: 0.190
 HORZ SPREAD: 1.252
 VERT SPREAD: 2.155
 GROUP SPREAD: 2.155
 MIN RADIUS: 0.139
 MAX RADIUS: 1.376
 MEAN RADIUS: 0.614
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.245	-1.525
2:	-0.823	-0.708
3:	0.001	-0.505
4:	-0.450	-0.056
5:	-0.255	0.347
6:	-0.285	0.630
7:	0.346	0.487
8:	0.429	0.088
9:	0.013	-0.090
10:	0.180	-0.229

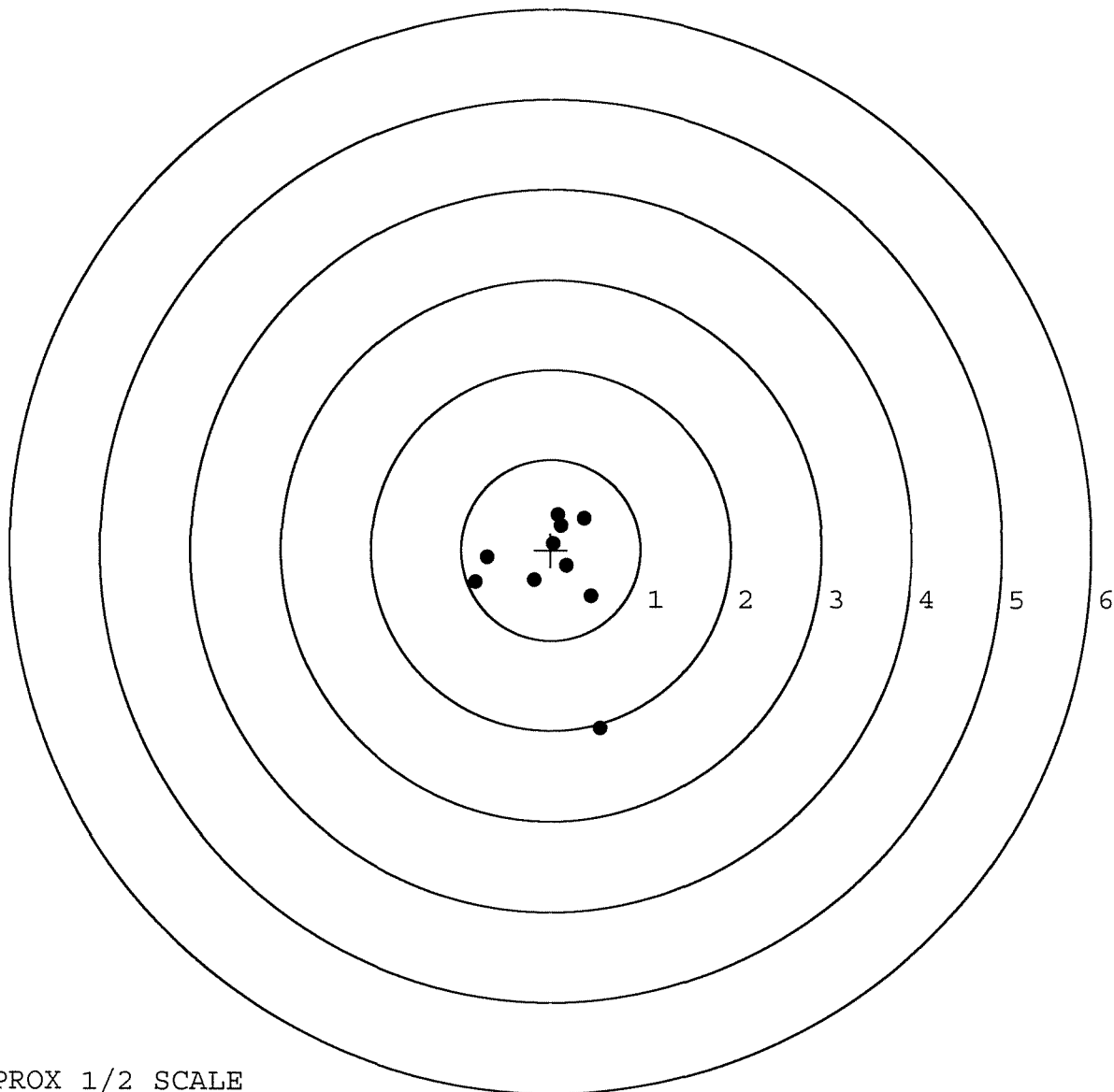


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225396. __0
 TARGET NUMBER: 3
 FILE DATE: 03/14/2005
 FILE TIME: 09:32

X CENTROID: 0.001
 Y CENTROID: -0.237
 POA TO CENTROID: 0.237
 HORZ SPREAD: 1.393
 VERT SPREAD: 2.379
 GROUP SPREAD: 2.425
 MIN RADIUS: 0.186
 MAX RADIUS: 1.832
 MEAN RADIUS: 0.650
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.548	-1.986
2:	0.448	-0.514
3:	0.177	-0.177
4:	-0.193	-0.335
5:	-0.712	-0.080
6:	-0.845	-0.359
7:	0.028	0.070
8:	0.108	0.268
9:	0.077	0.393
10:	0.371	0.347

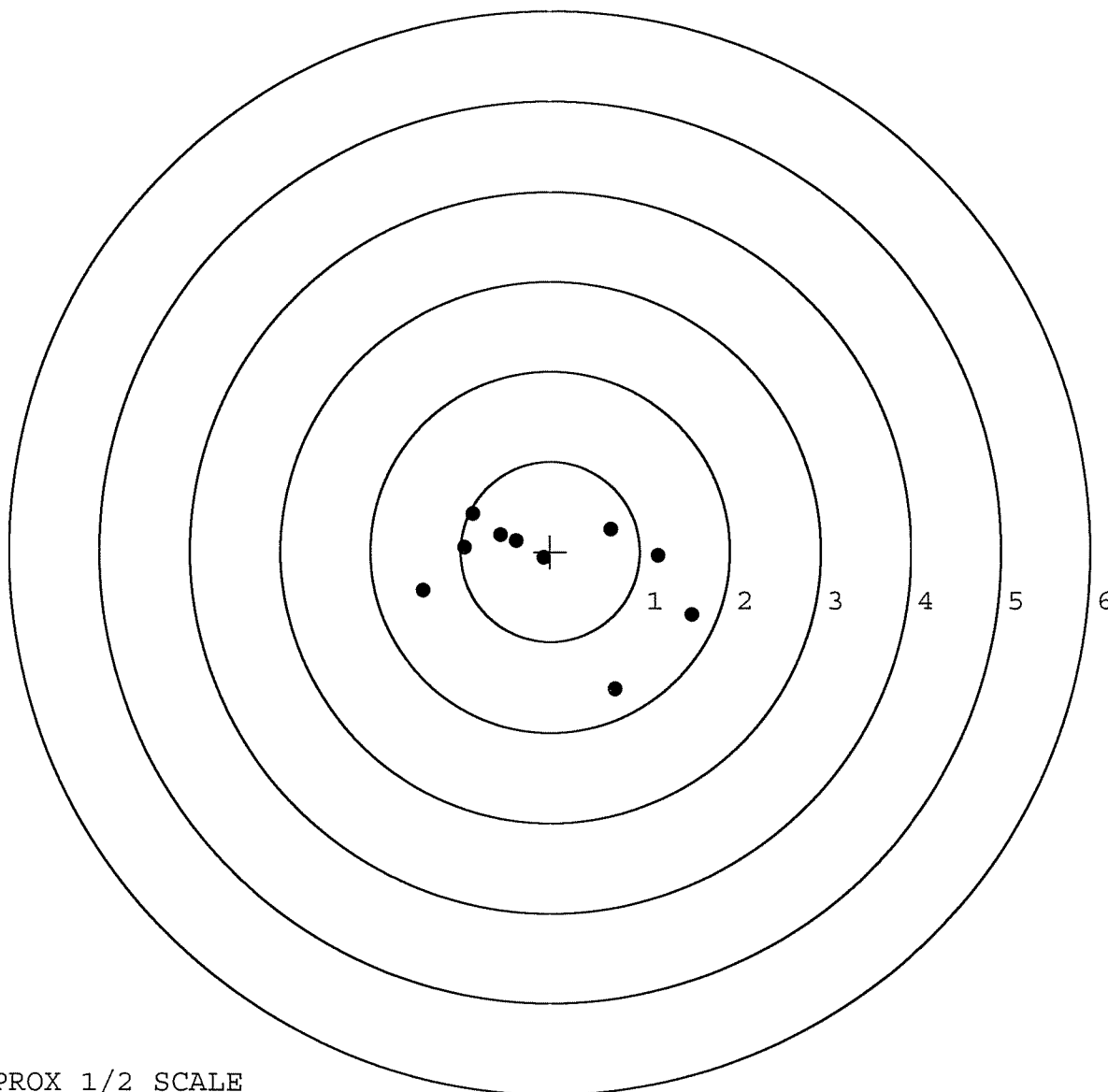


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225396.____0
 TARGET NUMBER: 4
 FILE DATE: 03/14/2005
 FILE TIME: 09:32

X CENTROID: -0.007
 Y CENTROID: -0.176
 POA TO CENTROID: 0.177
 HORZ SPREAD: 2.991
 VERT SPREAD: 1.956
 GROUP SPREAD: 3.004
 MIN RADIUS: 0.125
 MAX RADIUS: 1.670
 MEAN RADIUS: 0.995
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.574	-0.713
2:	0.722	-1.531
3:	1.201	-0.052
4:	0.679	0.253
5:	-1.417	-0.438
6:	-0.955	0.049
7:	-0.863	0.425
8:	-0.556	0.190
9:	-0.382	0.124
10:	-0.074	-0.071

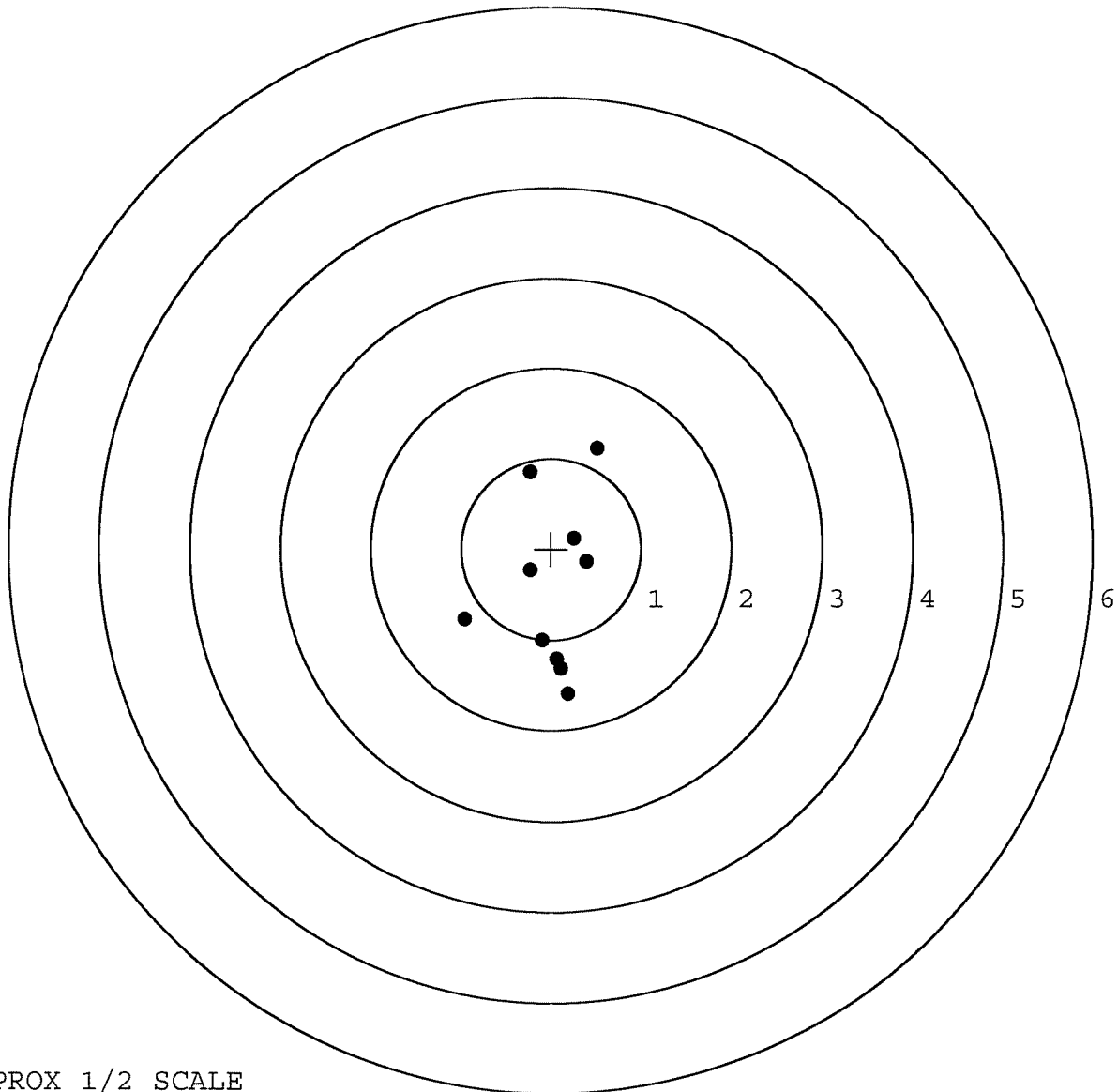


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225396. __0
 TARGET NUMBER: 5
 FILE DATE: 03/14/2005
 FILE TIME: 09:32

POINT#	X	Y
1:	0.193	-1.600
2:	0.062	-1.215
3:	-0.101	-1.011
4:	-0.961	-0.777
5:	-0.236	-0.235
6:	0.396	-0.140
7:	0.256	0.115
8:	-0.234	0.852
9:	0.517	1.109
10:	0.107	-1.320

X CENTROID: 0.000
 Y CENTROID: -0.422
 POA TO CENTROID: 0.422
 HORZ SPREAD: 1.478
 VERT SPREAD: 2.709
 GROUP SPREAD: 2.728
 MIN RADIUS: 0.301
 MAX RADIUS: 1.616
 MEAN RADIUS: 0.881
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

R & E NUMBER	92683		
SERIAL NUMBER	C6225396		
LOG-IN DATE	2-8-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-14-05	RTZ
560 A	RE-BARREL	2-16-05	RTZ
B	DRILL AND TAP	2-17-05	TKW
575	ASSEMBLE	2-16-05	RTZ
600	PROOF	2-17-05	AC
605	CHECK HEADSPACE	2-17-05	AC
610	DIS-ASSEMBLE GUN	2-17-05	RTZ
612	MAGNAFLUX		OPERATOR
615	ROLLMARK CALIBER	2-18-05	CW
618	ROTO-BLAST	2-18-05	LB
620	APPLY COATINGS	3-1-05	HP
625 A	FINAL ASSEMBLY	3-9-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	3-14-05	AC
D	SAFETY "OFF" FORCE	3-14-05	AC
E	FIRING PIN INDENT	3-14-05	AC
640	TARGET	3-14-05	AC
655	FINAL INSPECT	3-14-05	AC
660	PACK	3-15-05	RA
		SHIP DATE	
QAR INSPECTION DATE			

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

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

MODEL 700TM H24

SERIAL NO.
 C6225396

ORDER NO.
 5716

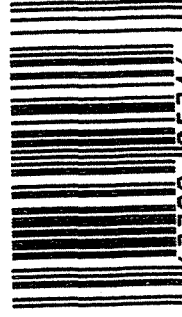
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6225396

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225396

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	89	RW
600	Proof	4 12	89	RW
607	Check Headspace	4 12	89	RW
610	Dis-assemble Gun	4 12	89	RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		4/15/89	GS
617	Drill and Tap Sight Holes	4 14	89	JB
618	Polish Barrel RB	4 14	89	BT
620	Apply Coatings (Barrel Action)		4-20-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5-1/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/89	RW
	C) Inspect Ejector Hole for Chamfer		5/1/89	RW
	D) Oil Firing Pin Ass'y		5/1/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/5/89	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/8/89	JU
	G) Safety Off Force	3	3	3			5/8/89	JU
	H) Trigger Pull Test & Retainability						5/5/89	WB
	I) Firing Pin Indent	.021.5	.022	.022			5/8/89	JU
	J) Assemble Stock						5/9/89	RW
	K) Assemble Swivel Studs						15 May 89	JS
	L) Attach Front and Rear Sight Assemblies						5/9/89	RW
	M) Iron Sight Alignment						5/9/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/9/89	RW
	O) Attach Scope to Rifle						5/9/89	JU
	P) Detach & Attach Scope 20 Times						5/9/89	JU
640	Gallery Target & Test	61 R	98L				5/9/89	A
	A) Time						5/9/89	A
	B) Malfunctions						5/9/89	A
	C) Pierced Primers						5/9/89	A
	D) Optical Clarity of Scope						5/9/89	A
645	Inspect for Live Ammo						5/9/89	A
655	Final Inspection							
	A) Headspace						15 May 89	JS
	B) Trigger Pull	2.78	2.82	2.79	2.79	2.81	15 May 89	JS
	C) Function						15 May 89	JS
660	Pack						21 June 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6348930DATE 16 Oct 89TESTER g22

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.55	2.69	2.21	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.82	2.23	2.48	
PULL #3	2.49	2.63	2.15	2.69	
PULL #4	2.42	2.70	2.34	2.71	
PULL #5	2.28	2.79	2.47	2.59	
TOTAL	12.22	13.58	11.40	12.95	
AVG.	2.444	2.716	2.38	2.59	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	2.87		
PULL #2	3.42	3.05		
PULL #3	3.27	2.96		
PULL #4	3.26	3.04		
PULL #5	3.34	3.19		
TOTAL	16.56	15.11		
AVG.	3.312	3.022		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.04	4.03		4.48
PULL #2	4.11	4.22		4.46
PULL #3	4.05	3.96		4.42
PULL #4	3.97	4.04		4.53
PULL #5	4.05	4.15		4.61
TOTAL	20.22	20.40		22.50
AVG.	4.044	4.08		4.50

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225396
10 May 1989

CENTROIDAL DISTANCES

0 TO	1	.531016
1 TO	2	.288882
1 TO	3	.309613
1 TO	4	.644912
1 TO	5	.105081

125 <----POB
425

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2718
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2044
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .34006
THE AMR FOR THIS RIFLE IS: 1.029

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225396

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 2.714

VS= 2.413

GS= 3.156

PATTERN #

:

1

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.331

1.177

.521

MINIMUM X

:

-1.383

-.957

-.809

MAXIMUM Y

:

1.101

.654

.605

MINIMUM Y

:

-1.312

-1.190

-1.239

CENTROID X

:

.497

.651

.503

CENTROID Y

:

-.187

-.309

-.260

POA TO CENTROID in.:

.531

.720

.567

MIN RADIUS

:

.112

.197

.057

MEAN RADIUS

:

.848

.749

.663

MAX RADIUS

:

1.767

1.240

1.239

HORIZONTAL SPREAD

:

2.714

2.134

1.331

VERTICAL SPREAD

:

2.413

1.844

1.844

EXTREME SPREAD

:

3.156

2.176

1.906

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

9

10 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225356

CENTERFIRE PATTERNS

2

POR

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.594

VS = 2.363

GS = 2.951

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.517	.806	.692
MINIMUM X	:	-1.077	-.908	-.911
MAXIMUM Y	:	1.052	1.012	.976
MINIMUM Y	:	-1.312	-1.351	-1.225
CENTROID X	:	.220	.051	.165
CENTROID Y	:	-.269	-.229	-.355
POR TO CENTROID in.	:	.347	.235	.392
MIN RADIUS	:	.377	.358	.459
MEAN RADIUS	:	.965	.893	.827
MAX RADIUS	:	1.558	1.392	1.244
HORIZONTAL SPREAD	:	2.594	1.714	1.603
VERTICAL SPREAD	:	2.363	2.363	2.200
EXTREME SPREAD	:	2.951	2.670	2.250
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

10 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225386

CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS = 2.893

VS = 2.186

GS = 3.531

PATTERN #

:

3

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.719

1.896

1.731

MINIMUM X

:

-1.174

-.997

-.760

MAXIMUM Y

:

.957

.699

.616

MINIMUM Y

:

-1.229

-1.123

-1.035

CENTROID X

:

.251

.074

-.163

CENTROID Y

:

.001

-.105

-.193

POA TO CENTROID in.:

:

.251

.129

.253

MIN RADIUS

:

.445

.416

.164

MEAN RADIUS

:

1.154

1.029

.838

MAX RADIUS

:

1.863

2.021

1.827

HORIZONTAL SPREAD

:

2.893

2.893

2.491

VERTICAL SPREAD

:

2.186

1.822

1.651

EXTREME SPREAD

:

3.531

3.419

2.970

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

4

NUMBER IN THREE INCH CIRCLE =

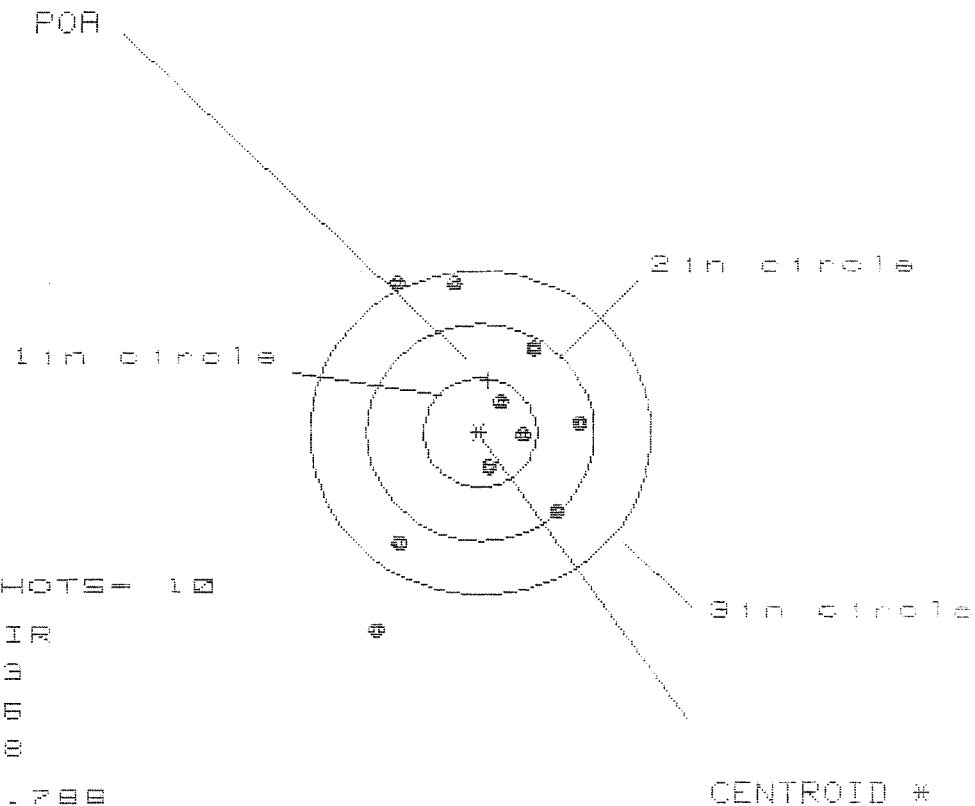
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10 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225396

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS= 1.788

VS= 3.204

GS= 3.279

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.893	.794	.694
MINIMUM X	-.895	-.866	-.966
MAXIMUM Y	1.380	1.177	1.324
MINIMUM Y	-1.824	-1.229	-1.082
CENTROID X	-.077	.022	.122
CENTROID Y	-.481	-.278	-.425
POA TO CENTROID in.	.487	.279	.442
MIN RADIUS	.339	.137	.177
MEAN RADIUS	1.000	.849	.747
MAX RADIUS	2.032	1.503	1.450
HORIZONTAL SPREAD	1.788	1.660	1.660
VERTICAL SPREAD	3.204	2.406	2.406
EXTREME SPREAD	3.279	2.472	2.472
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

10 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225390

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 2.582

VS= 2.561

GS= 3.251

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.889	.690	.747
MINIMUM X	:	-1.793	-1.441	-1.355
MAXIMUM Y	:	1.258	1.166	.991
MINIMUM Y	:	-1.303	-1.395	-1.378
CENTROID X	:	.468	.667	.581
CENTROID Y	:	-.086	.006	.181
POA TO CENTROID in.	:	.476	.667	.608
MIN RADIUS	:	.388	.444	.287
MEAN RADIUS	:	1.178	1.062	.964
MAX RADIUS	:	1.975	1.557	1.401
HORIZONTAL SPREAD	:	2.682	2.131	2.102
VERTICAL SPREAD	:	2.561	2.561	2.369
EXTREME SPREAD	:	3.251	2.614	2.369
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	