

C6522330

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.



BARBER - M24 0005276

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: RE00102777 Serial: C6522330 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/26/2005 7:47:04 AM

Address Information

Customer: Received From: Return To: Received From:

Name: PR W7LZ CAMP SHELBY DET 57 PR W7LZ CAMP SHELBY DET 57

Address 1: OEF TRAINING BDE ROTATION OEF TRAINING BDE ROTATION

Address 2: BLDG 6520 WAREHOUSE AVE PO Box: BLDG 6520 WAREHOUSE AVE PO Box:

City: CAMP SHELBY CAMP SHELBY

State: MS Zip Code: 39407 Country: US State: MS Zip Code: 39407 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: 601-558-4593 Fax: Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A006	Sling Strap	1
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
C000	TORQUE WRENCH	1
C001	SPOTTING SCOPE	1

Repair Search Refresh Close

magletj 10/26/2005 9:34AM CAPS NUM INS SCBL

start 2 2 3 Arms S.

Serial Number: C6522330

Model: M24 SWS

RE00102777

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0005276 05315

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522330.___0
FILE DATE AND TIME: 11/23/2005 21:27

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

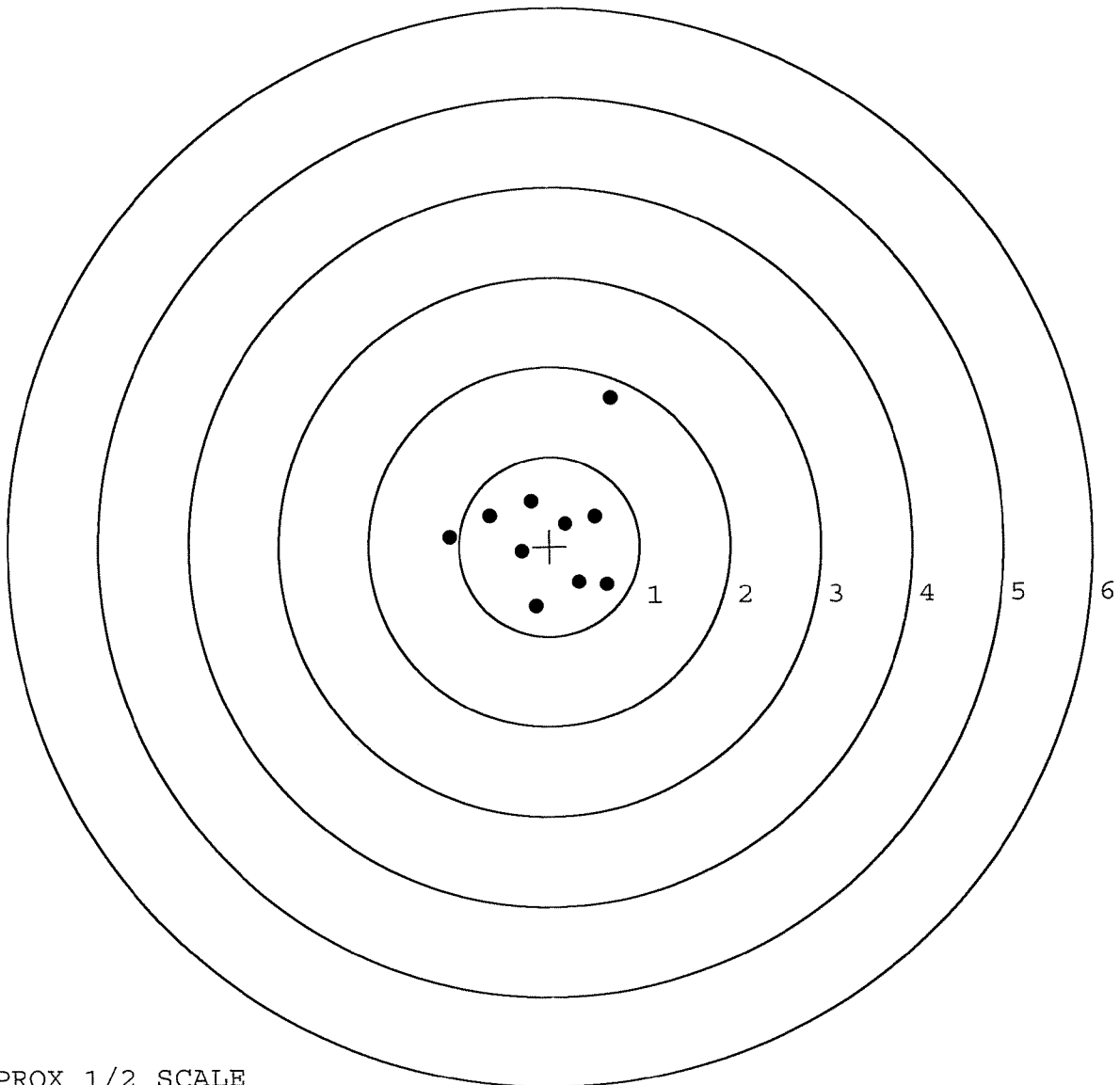
The Average X Centroid of the Five Target Set:	-0.086
The Average Y Centroid of the Five Target Set:	0.142
The Average Point of Impact of the Five Target Set:	0.166
The Average Mean Radius of the Five Target Set:	0.651
The Distance from POA to Centroid Target #1:	0.163
The Distance from Centroid Target #2 to Centroid Target #1:	0.232
The Distance from Centroid Target #3 to Centroid Target #1:	0.237
The Distance from Centroid Target #4 to Centroid Target #1:	0.305
The Distance from Centroid Target #5 to Centroid Target #1:	0.093

BARBER - M24 0005278

SERIAL NUMBER: C6522330. __0
TARGET NUMBER: 1
FILE DATE: 11/23/2005
FILE TIME: 21:27

X CENTROID: -0.008
Y CENTROID: 0.163
POA TO CENTROID: 0.163
HORZ SPREAD: 1.790
VERT SPREAD: 2.315
GROUP SPREAD: 2.465
MIN RADIUS: 0.207
MAX RADIUS: 1.640
MEAN RADIUS: 0.730
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.637	-0.433
2:	0.332	-0.400
3:	-0.159	-0.668
4:	-0.307	-0.055
5:	-1.101	0.109
6:	-0.658	0.341
7:	-0.200	0.505
8:	0.179	0.252
9:	0.507	0.332
10:	0.689	1.647

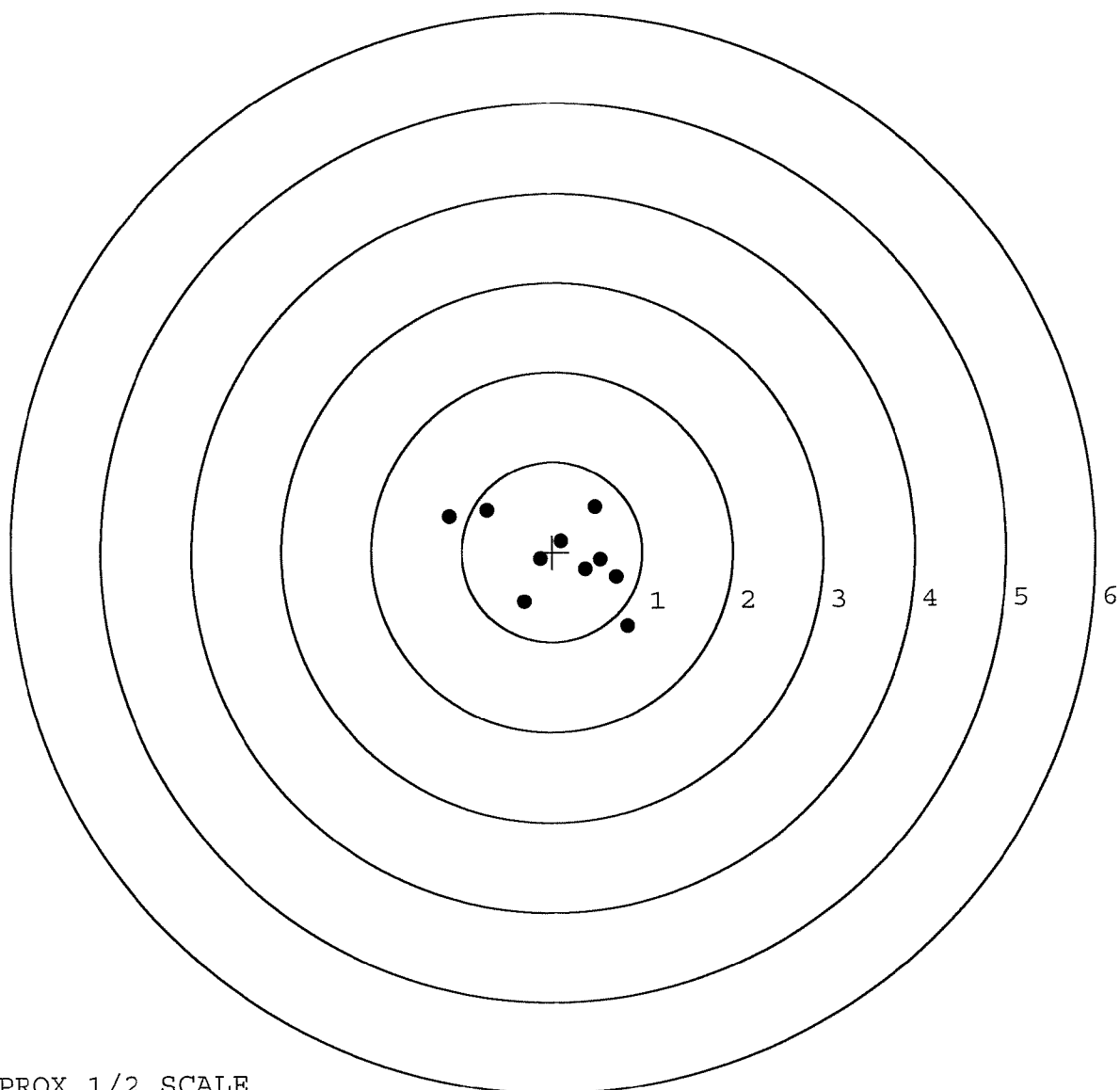


TARGET APPROX 1/2 SCALE

BARBER - M24 0005279

SERIAL NUMBER: C6522330. __0
TARGET NUMBER: 2
FILE DATE: 11/23/2005
FILE TIME: 21:27

		POINT#	X	Y
		1:	-0.135	-0.076
		2:	-0.314	-0.556
		3:	0.485	0.499
		4:	-0.719	0.467
		5:	-1.140	0.403
		6:	0.830	-0.837
		7:	0.711	-0.286
		8:	0.534	-0.089
		9:	0.371	-0.196
		10:	0.099	0.120
X CENTROID:	0.072			
Y CENTROID:	-0.055			
POA TO CENTROID:	0.091			
HORZ SPREAD:	1.970			
VERT SPREAD:	1.336			
GROUP SPREAD:	2.328			
MIN RADIUS:	0.177			
MAX RADIUS:	1.296			
MEAN RADIUS:	0.651			
# IN 1 IN DIAMETER:	4			
# IN 2 IN DIAMETER:	8			
# in 3 IN DIAMETER:	10			



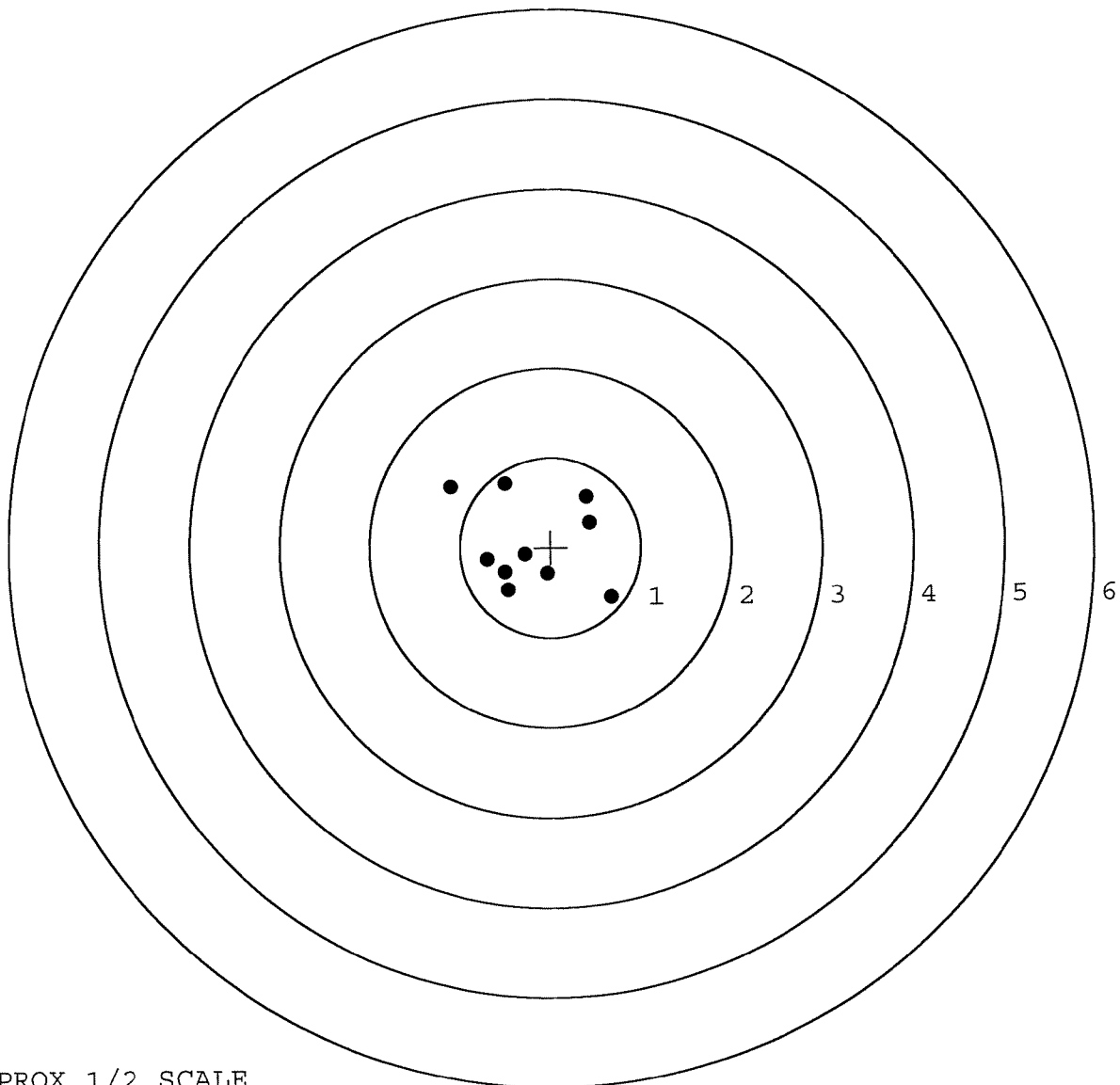
TARGET APPROX 1/2 SCALE

BARBER - M24 0005280

SERIAL NUMBER: C6522330. __0
TARGET NUMBER: 3
FILE DATE: 11/23/2005
FILE TIME: 21:27

X CENTROID: -0.212
Y CENTROID: 0.042
POA TO CENTROID: 0.216
HORZ SPREAD: 1.770
VERT SPREAD: 1.267
GROUP SPREAD: 2.155
MIN RADIUS: 0.141
MAX RADIUS: 1.091
MEAN RADIUS: 0.642
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.440	0.269
2:	0.403	0.554
3:	-0.505	0.712
4:	-1.100	0.675
5:	-0.289	-0.076
6:	-0.046	-0.291
7:	-0.478	-0.473
8:	-0.510	-0.270
9:	-0.701	-0.130
10:	0.670	-0.555



TARGET APPROX 1/2 SCALE

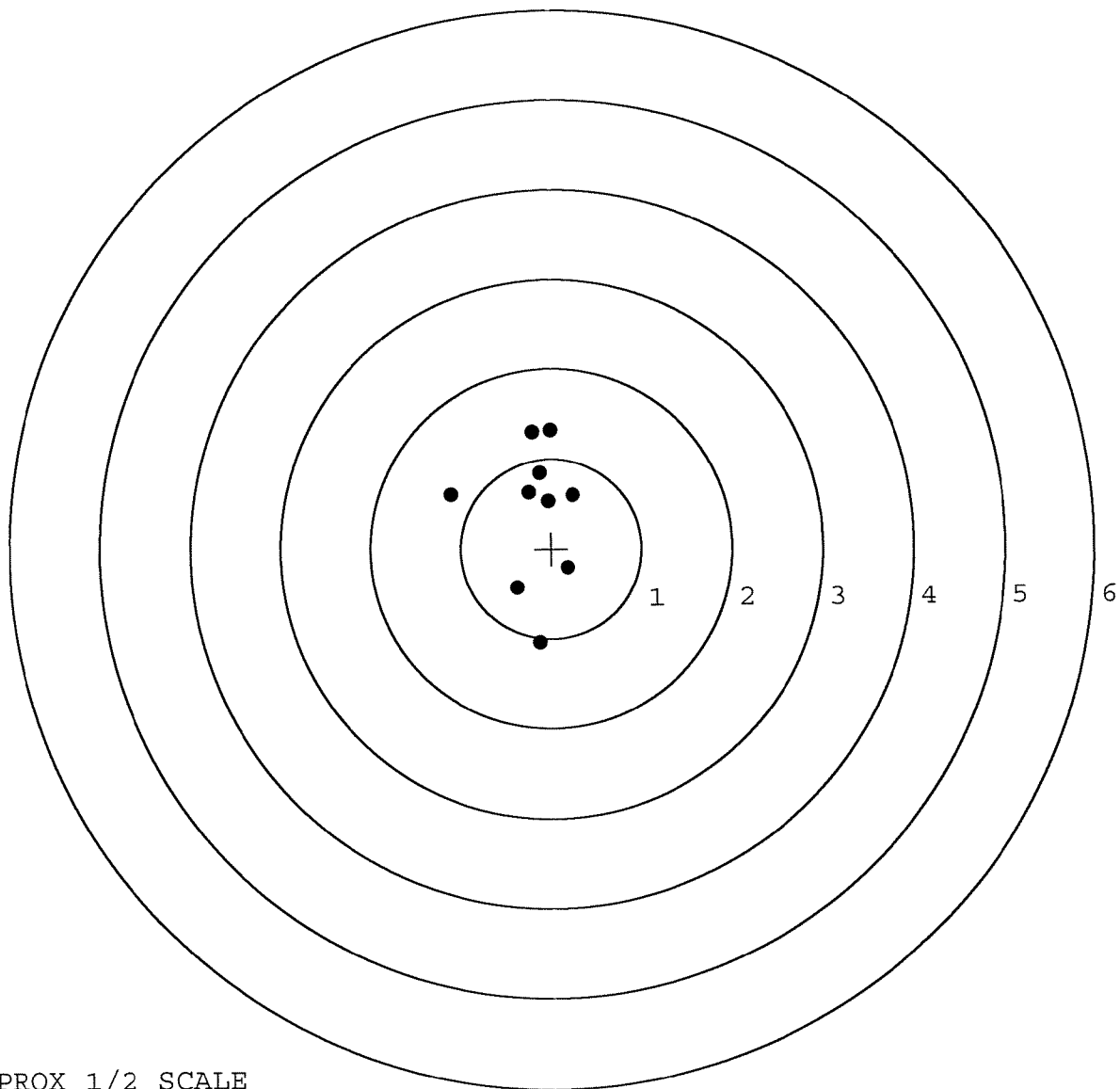
BARBER - M24 0005281

SERIAL NUMBER: C6522330. __0
TARGET NUMBER: 4
FILE DATE: 11/23/2005
FILE TIME: 21:27

X CENTROID: -0.184
Y CENTROID: 0.413
POA TO CENTROID: 0.452
HORZ SPREAD: 1.355
VERT SPREAD: 2.371
GROUP SPREAD: 2.374
MIN RADIUS: 0.191
MAX RADIUS: 1.466
MEAN RADIUS: 0.714

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.183	-0.214
2:	-0.386	-0.435
3:	-0.034	0.532
4:	0.244	0.599
5:	-0.250	0.627
6:	-0.128	0.846
7:	-0.010	1.319
8:	-0.207	1.296
9:	-1.111	0.611
10:	-0.137	-1.052



TARGET APPROX 1/2 SCALE

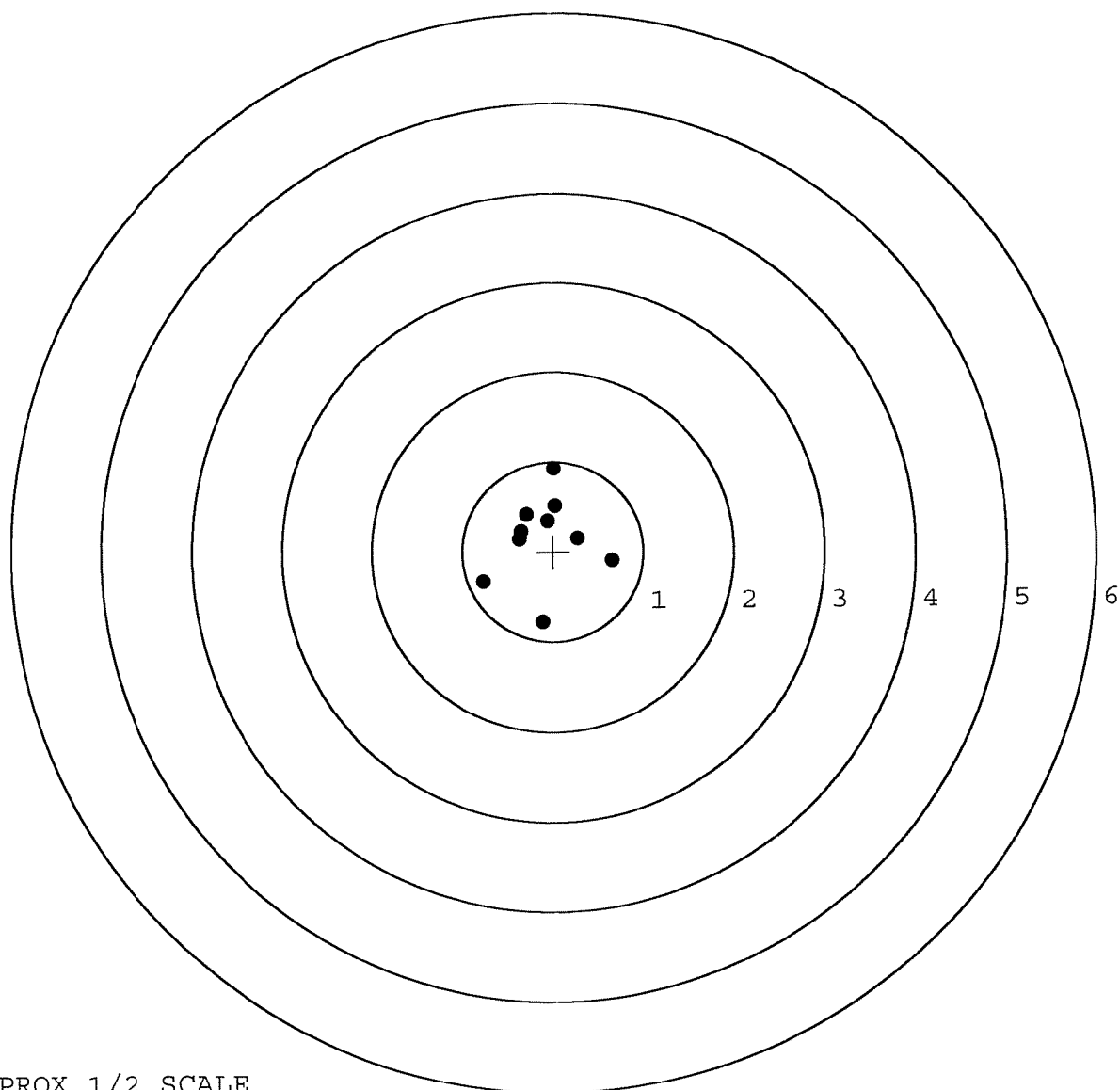
BARBER - M24 0005282

SERIAL NUMBER: C6522330. __0
TARGET NUMBER: 5
FILE DATE: 11/23/2005
FILE TIME: 21:27

X CENTROID: -0.100
Y CENTROID: 0.149
POA TO CENTROID: 0.180
HORZ SPREAD: 1.426
VERT SPREAD: 1.708
GROUP SPREAD: 1.713
MIN RADIUS: 0.201
MAX RADIUS: 0.938
MEAN RADIUS: 0.517

POINT#	X	Y
1:	0.659	-0.103
2:	0.278	0.152
3:	0.025	0.509
4:	-0.298	0.419
5:	-0.375	0.142
6:	-0.767	-0.331
7:	-0.121	-0.788
8:	0.012	0.920
9:	-0.060	0.346
10:	-0.355	0.227

IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	102777		Camp Shelby	
SERIAL NUMBER	C 6522330			
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-18-05	Ac
505	RE-BARREL		11-18-05	Ac
560	ASSEMBLE		11-18-05	Ac
600	PROOF	MAGNA-FLUX INSPECTED	11-18-05	Ac
605	CHECK HEADSPACE	NOV 21 2005	11-18-05	Ac
610	DIS-ASSEMBLE GUN		11-18-05	Ac
612	MAGNAFLUX	OPERATOR <i>WMA</i>	11/21/05	<i>WMA</i>
510	DRILL AND TAP		11-18-05	TRW
615	ROLLMARK CALIBER		11-21-05	CW
618	ROTO-BLAST		11-21-05	LB
620	APPLY COATINGS		11/22/05	RB
625	FINAL ASSEMBLY		11-22-05	Ac
640	FUNCTION TEST AND	PASS FAIL	11-23-05	WJM
650	TARGET	PASS FAIL	11-23-05	WJM
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-28-05	Ac
	A) HEADSPACE	PASS FAIL	11-28-05	Ac
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	5 lbs 5 lbs 5 lbs	Ac
	G) SAFETY OFF FORCE	2 LBS MIN	4 lbs 4 lbs 4 lbs	Ac
	I) FIRING PIN INDENT	.020	.023 .023 .023	Ac
690	PACK		12-20-05	RA

Remington[®]


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

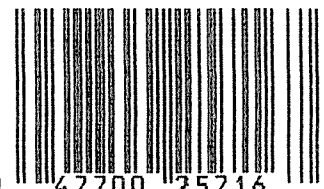
VERY IMPORTANT.
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700 TM M24	SERIAL NO. C6522330
01	ORDER NO. 5716

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


5716 C6522330

UPC


0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522330
21 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.660927
1 TO	2	.861648
1 TO	3	1.38886
1 TO	4	.858697
1 TO	5	.50632

+ 5 <----POA
3 2

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .138
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.4944
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .513299
THE AMR FOR THIS RIFLE IS: .9108

21 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522330

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.543

VS= 2.789

GS= 3.050

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.312	1.270	1.418
MINIMUM X	:	-1.231	-1.273	-1.125
MAXIMUM Y	:	.972	.770	.843
MINIMUM Y	:	-1.817	-.621	-.548
CENTROID X	:	.611	.653	.505
CENTROID Y	:	-.252	-.050	-.123
POA TO CENTROID in.	:	.661	.655	.520
MIN RADIUS	:	.446	.421	.324
MEAN RADIUS	:	.971	.858	.756
MAX RADIUS	:	1.855	1.366	1.425
HORIZONTAL SPREAD	:	2.543	2.543	2.543
VERTICAL SPREAD	:	2.789	1.391	1.391
EXTREME SPREAD	:	3.050	2.679	2.558
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

21 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522330

CENTERFIRE PATTERNS # 2

FOR

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS= 2.448

VS= 2.417

GS= 3.366

CENTROID #

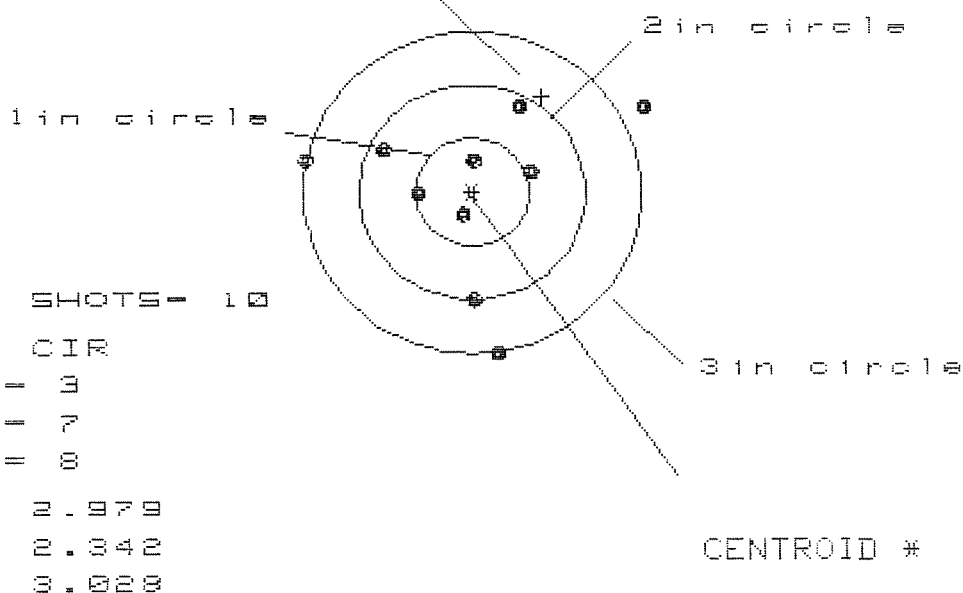
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.360	1.240	.939
MINIMUM X	:	-1.088	-.917	-.762
MAXIMUM Y	:	.869	.697	.771
MINIMUM Y	:	-1.548	-1.611	-1.537
CENTROID X	:	-.043	.077	-.077
CENTROID Y	:	-.813	-.641	-.715
POA TO CENTROID in.	:	.814	.646	.719
MIN RADIUS	:	.180	.276	.113
MEAN RADIUS	:	.900	.777	.663
MAX RADIUS	:	1.892	1.625	1.581
HORIZONTAL SPREAD	:	2.448	2.157	1.701
VERTICAL SPREAD	:	2.417	2.308	2.308
EXTREME SPREAD	:	3.366	2.427	2.377
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

21 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522330

CENTERFIRE PATTERNS # 3

POA



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.516	.693	.741
MINIMUM X	:	-1.463	-1.295	-1.247
MAXIMUM Y	:	.802	.864	.683
MINIMUM Y	:	-1.540	-1.451	-1.068
CENTROID X	:	-.619	-.787	-.835
CENTROID Y	:	-.897	-.986	-.805
POA TO CENTROID in.	:	1.090	1.262	1.160
MIN RADIUS	:	.224	.175	.287
MEAN RADIUS	:	.911	.814	.714
MAX RADIUS	:	1.715	1.502	1.258
HORIZONTAL SPREAD	:	2.979	1.988	1.988
VERTICAL SPREAD	:	2.342	2.315	1.751
EXTREME SPREAD	:	3.028	2.462	1.990
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

21 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522330

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.898

VS= 2.229

GS= 3.373

CENTROID *

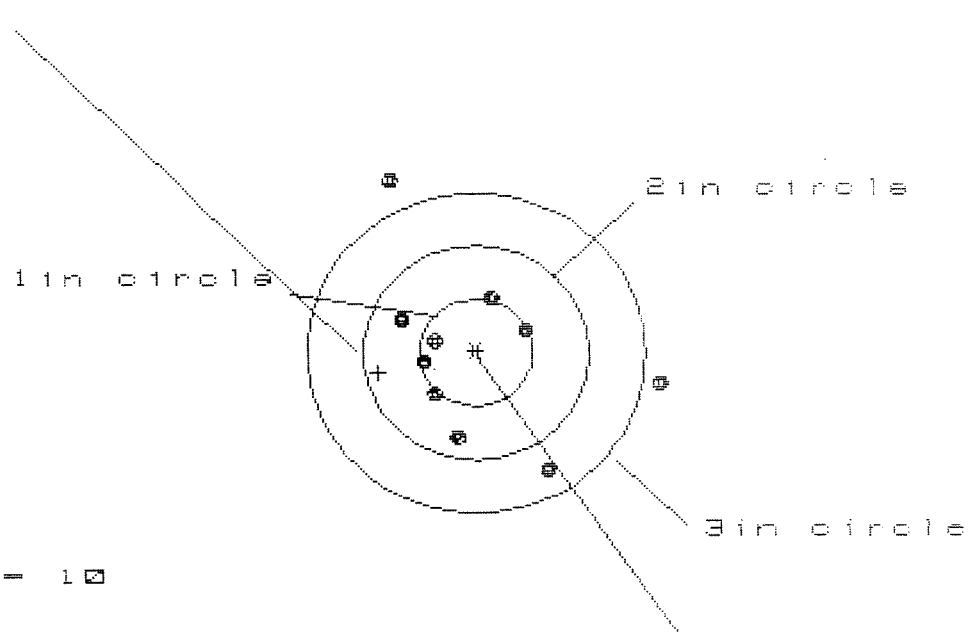
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.371	1.193	1.021
MINIMUM X	:	-1.527	-1.374	-.810
MAXIMUM Y	:	1.001	.865	.910
MINIMUM Y	:	-1.228	-1.088	-1.043
CENTROID X	:	-.124	-.277	-.105
CENTROID Y	:	-.696	-.560	-.605
POA TO CENTROID in.	:	.707	.625	.614
MIN RADIUS	:	.227	.243	.136
MEAN RADIUS	:	.915	.792	.690
MAX RADIUS	:	1.840	1.421	1.096
HORIZONTAL SPREAD	:	2.898	2.567	1.831
VERTICAL SPREAD	:	2.229	1.953	1.953
EXTREME SPREAD	:	3.373	2.575	1.957
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

21 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522330

CENTERFIRE PATTERNS # 5

POA



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 2.344

VS= 2.660

GS= 2.995

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.590	1.507	.706
MINIMUM X	-.754	-.756	-.568
MAXIMUM Y	1.571	.655	.640
MINIMUM Y	-1.089	-.915	-.930
CENTROID X	.865	.948	.760
CENTROID Y	.186	.012	.027
POA TO CENTROID in.	.885	.949	.761
MIN RADIUS	.397	.526	.337
MEAN RADIUS	.857	.769	.624
MAX RADIUS	1.742	1.511	1.167
HORIZONTAL SPREAD	2.344	2.263	1.274
VERTICAL SPREAD	2.660	1.570	1.570
EXTREME SPREAD	2.995	2.336	1.873
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6522330

DATE 9-16-90

TESTER JG

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.41	2.54	2.40	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.37	2.42	2.43	
PULL #3	2.31	2.39	2.20	2.49	
PULL #4	2.37	2.41	2.24	2.50	
PULL #5	2.39	2.40	2.23	2.43	
TOTAL	11.93	11.98	11.63	12.25	
AVG.	2.386	2.396	2.326	2.45	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.45		
PULL #2	3.47	3.48		
PULL #3	3.38	3.36		
PULL #4	3.36	3.40		
PULL #5	3.40	3.37		
TOTAL	17.05	17.06		
AVG.	3.41	3.412		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.13		4.38
PULL #2	4.71	4.14		4.16
PULL #3	4.09	4.11		4.39
PULL #4	4.13	4.15		4.39
PULL #5	4.09	4.07		4.20
TOTAL	20.72	20.60		21.52
AVG.	4.144	4.12		4.304

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522330

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/10/90	KA
600	Proof		7/10/90	KA
607	Check Headspace		7/10/90	KA
610	Dis-assemble Gun		7/10/90	KA
612	Magnaflux Barrel Action		7/17/90	KR
	Magnaflux Bolt		7/17/90	KR
615	Rollmark Caliber		7/17/90	GS
617	Drill and Tap Sight Holes		7/23/90	KB
618	Polish Barrel PB		7/24/90	WB
620	Apply Coatings (Barrel Action)		8/6/90	SA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/17/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/17/90	KS
	C) Inspect Ejector Hole for Chamfer		8/17/90	KS
	D) Oil Firing Pin Ass'y		8/17/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		9-16-90	GR

BARBER - M24 0005293

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			8/19/90	928
	G) Safety Off Force	4	4	4			8/19/90	928
	H) Trigger Pull Test & Retainability						9-16-90	984
	I) Firing Pin Indent	.022	.0225	.0225			8/19/90	928
	J) Assemble Stock						8/20/90	KS
	K) Assemble Swivel Studs						9/16/90	928
	L) Attach Front and Rear Sight Assemblies						8/20/90	KS
	M) Iron Sight Alignment						8/20/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/20/90	KS
	O) Attach Scope to Rifle						8/20/90	KS
	P) Detach & Attach Scope 20 Times						8/20/90	KS
640	Gallery Target & Test						8-21-90	A
	A) Time						"	A
	B) Malfunctions						"	A
	C) Pierced Primers						"	A
	D) Optical Clarity of Scope						"	A
645	Inspect for Live Ammo						8-21-90	A
655	Final Inspection							
	A) Headspace						9/16/90	928
	B) Trigger Pull	2.40	2.43	2.49	2.50	2.43	9-16-90	984
	C) Function						9/16/90	928
660	Pack						9/19/90	AF