

C6587731

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00036707** Serial: C6587731 Model 700 Center Fire Caliber: 7 62 NATO SWS M24 WOG 4 of 7 Repairman: Status: Closed 12/1/01 6:32:13 AM

Verify Repair **High Priority**

Address Information

Customer: Received From Return To: Received From

Name: Address 1: Address 2: PO Box: PO Box: City: FORT BRAGG FORT BRAGG State: NC Zip Code: Country: US State: NC Zip Code: Country: US

FFL:

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing
Date	Code	User ID	Desc1	Current Status
12/1/01 6:15:24	New	urtzdi	Repair Added	Closed
12/1/01 6:32:13	Closed	urtzdi		12/1/01 6:32:13 AM
				urtzdi
				Check In
				Repair Location
				ILN
				Current Location
				ILN

Shipping Hold
InterFace Hold
Estimate Sent
Parts Received
Passed Inspection
Return As Received
Has been Approved
Internal Repair

Repair Search Refresh Close

nagletj 12/4/01 11:20 AM CAPS NUM INS SCRL

Start Inbox... CNN... SWS... Israel... SWS... Arm... Serial... Cale... 11:20

Serial Number: **C6587731**Model: **700****RE00036707**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587731. __0
FILE DATE AND TIME: 12/16/2001 04:55

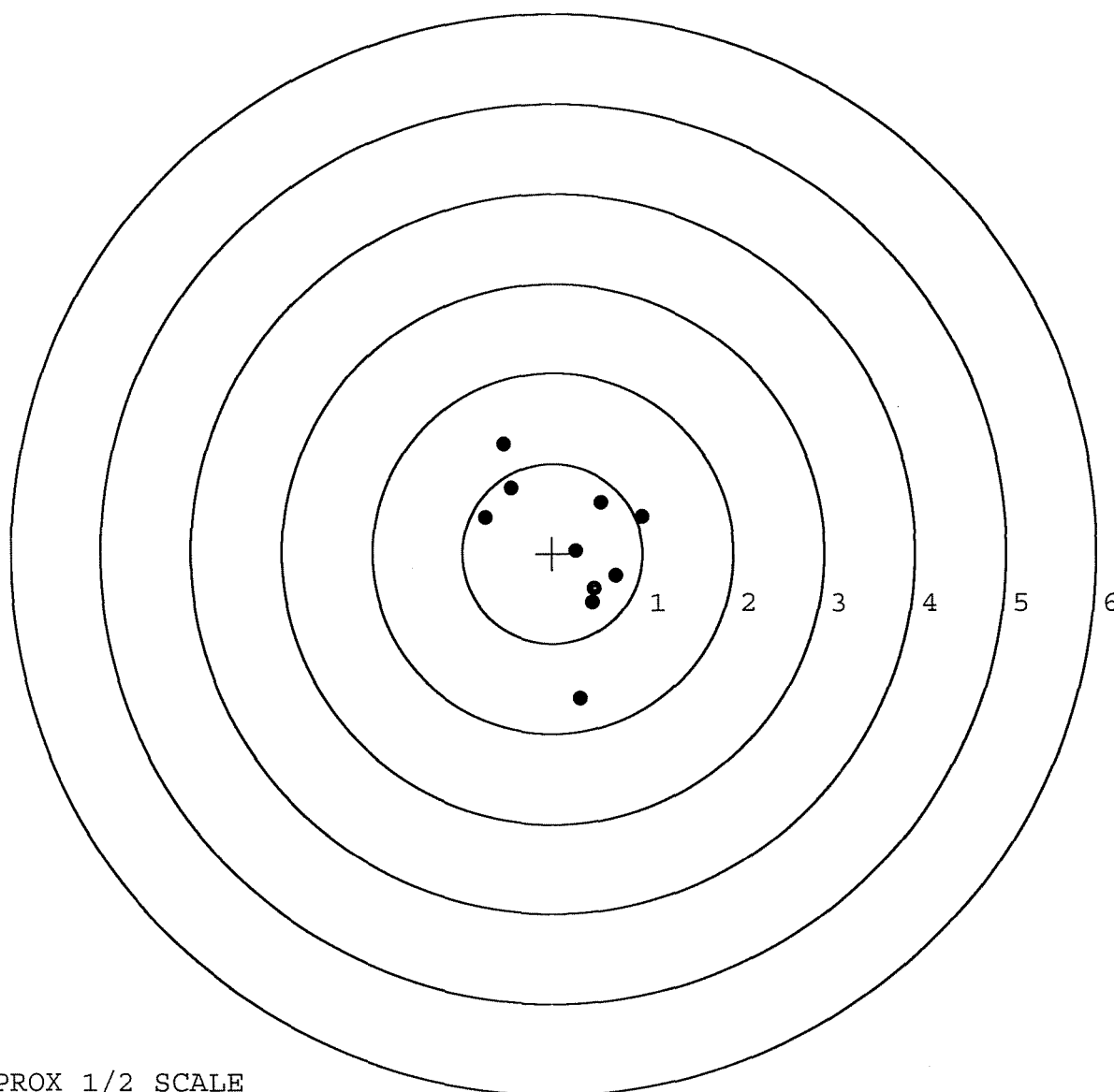
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.135
The Average Y Centroid of the Five Target Set:	-0.061
The Average Point of Impact of the Five Target Set:	0.148
The Average Mean Radius of the Five Target Set:	0.655
The Distance from POA to Centroid Target #1:	0.203
The Distance from Centroid Target #2 to Centroid Target #1:	0.168
The Distance from Centroid Target #3 to Centroid Target #1:	0.122
The Distance from Centroid Target #4 to Centroid Target #1:	0.266
The Distance from Centroid Target #5 to Centroid Target #1:	0.277

SERIAL NUMBER: C6587731. __0
 TARGET NUMBER: 1
 FILE DATE: 12/16/2001
 FILE TIME: 04:55

POINT#	X	Y
1:	0.317	-1.618
2:	0.446	-0.550
3:	0.706	-0.251
4:	0.262	0.031
5:	0.993	0.409
6:	0.534	0.568
7:	-0.747	0.396
8:	-0.463	0.723
9:	-0.553	1.211
10:	0.464	-0.398

X CENTROID: 0.196
 Y CENTROID: 0.052
 POA TO CENTROID: 0.203
 HORZ SPREAD: 1.740
 VERT SPREAD: 2.829
 GROUP SPREAD: 2.960
 MIN RADIUS: 0.069
 MAX RADIUS: 1.674
 MEAN RADIUS: 0.833
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9

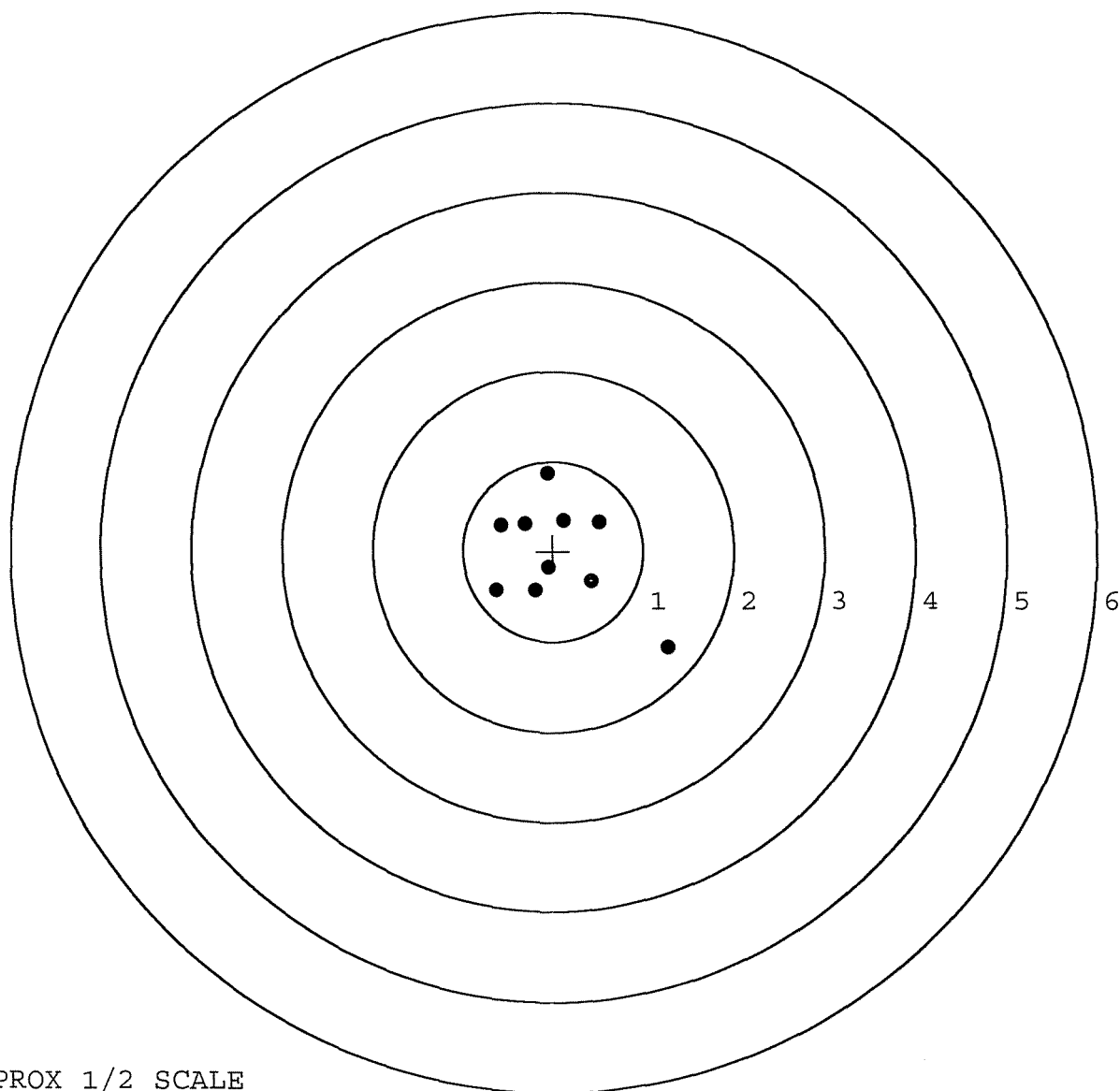


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587731. __0
 TARGET NUMBER: 2
 FILE DATE: 12/16/2001
 FILE TIME: 04:55

POINT#	X	Y
1:	1.278	-1.062
2:	-0.196	-0.444
3:	-0.055	-0.181
4:	-0.628	-0.438
5:	0.432	-0.334
6:	-0.575	0.293
7:	-0.313	0.303
8:	0.116	0.341
9:	0.507	0.328
10:	-0.063	0.867

X CENTROID: 0.050
 Y CENTROID: -0.033
 POA TO CENTROID: 0.060
 HORZ SPREAD: 1.906
 VERT SPREAD: 1.929
 GROUP SPREAD: 2.349
 MIN RADIUS: 0.182
 MAX RADIUS: 1.602
 MEAN RADIUS: 0.661
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587731. 0

TARGET NUMBER: 3

FILE DATE: 12/16/2001

FILE TIME: 04:55

POINT#	X	Y
1:	1.333	-0.017
2:	0.992	-0.435
3:	0.860	-0.812
4:	-0.050	-0.624
5:	0.079	-0.227
6:	0.345	0.191
7:	-0.068	0.434
8:	-0.503	0.024
9:	-0.503	1.017
10:	0.145	-0.054

X CENTROID: 0.263

Y CENTROID: -0.050

POA TO CENTROID: 0.268

HORZ SPREAD: 1.836

VERT SPREAD: 1.829

GROUP SPREAD: 2.281

MIN RADIUS: 0.118

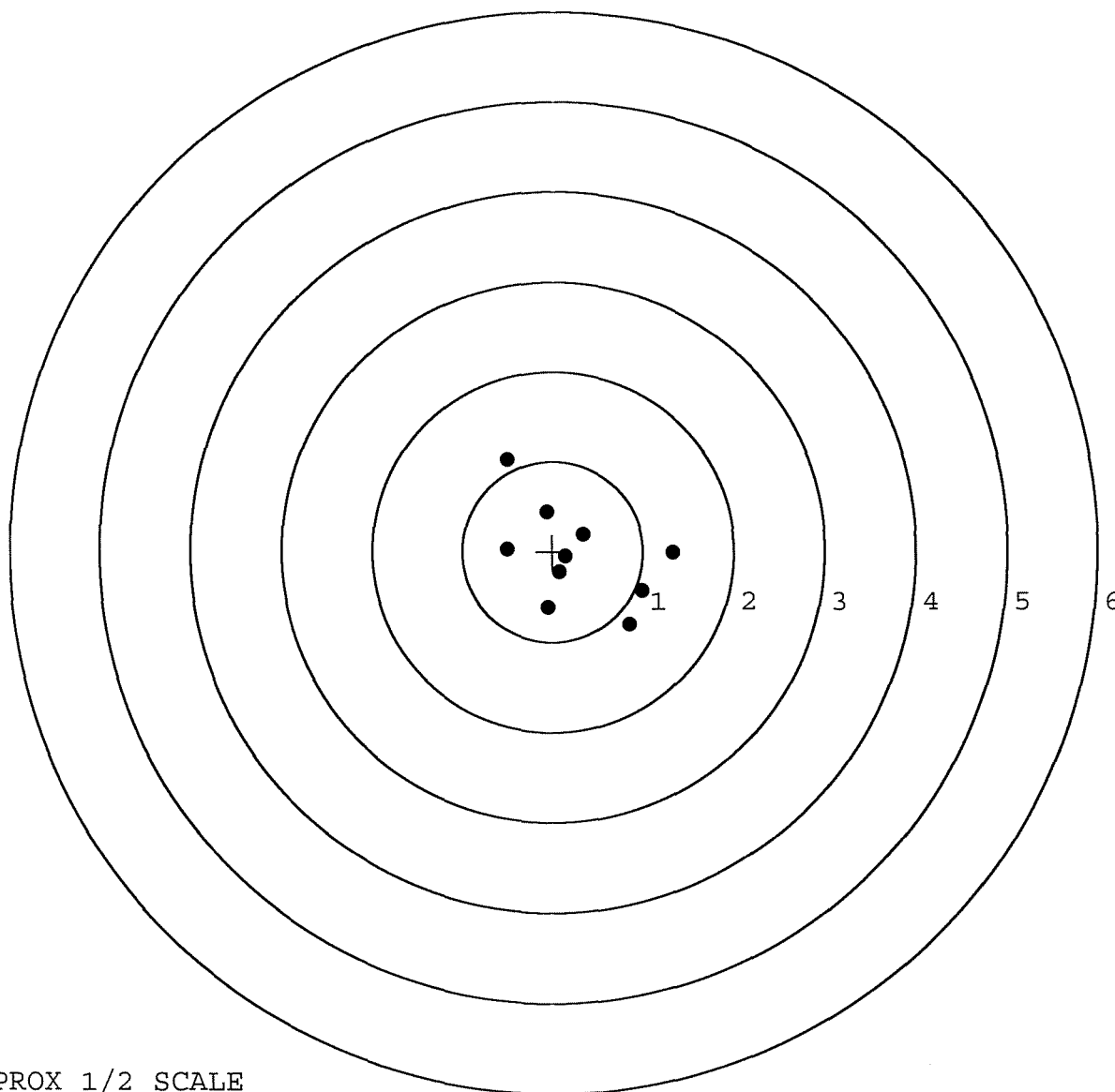
MAX RADIUS: 1.314

MEAN RADIUS: 0.681

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

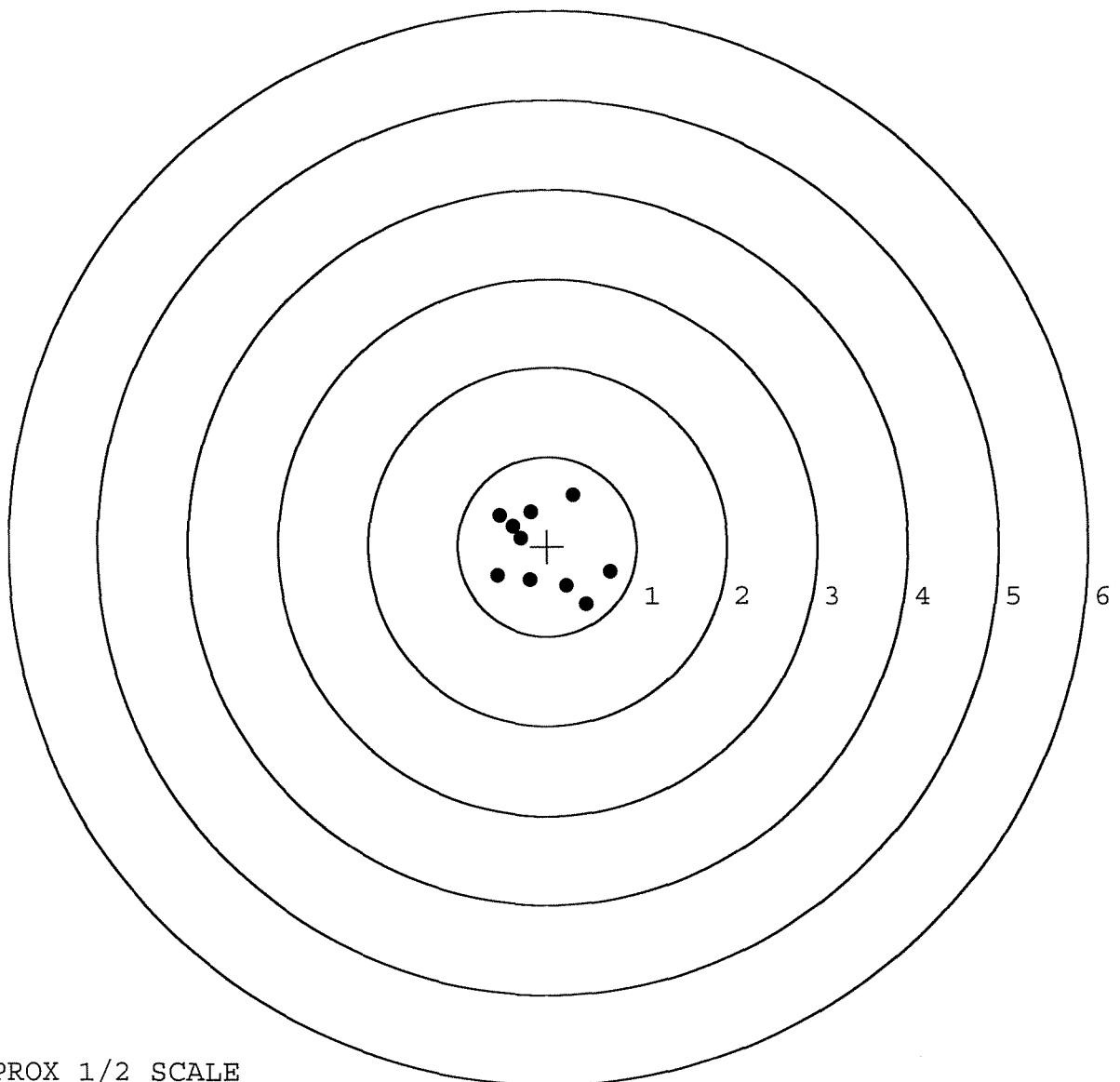


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587731. __0
 TARGET NUMBER: 4
 FILE DATE: 12/16/2001
 FILE TIME: 04:55

X CENTROID: -0.050
 Y CENTROID: -0.048
 POA TO CENTROID: 0.069
 HORZ SPREAD: 1.262
 VERT SPREAD: 1.215
 GROUP SPREAD: 1.390
 MIN RADIUS: 0.279
 MAX RADIUS: 0.791
 MEAN RADIUS: 0.547
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.293	0.568
2:	0.705	-0.284
3:	0.440	-0.647
4:	0.216	-0.443
5:	-0.196	-0.374
6:	-0.557	-0.334
7:	-0.294	0.089
8:	-0.538	0.339
9:	-0.192	0.383
10:	-0.381	0.226

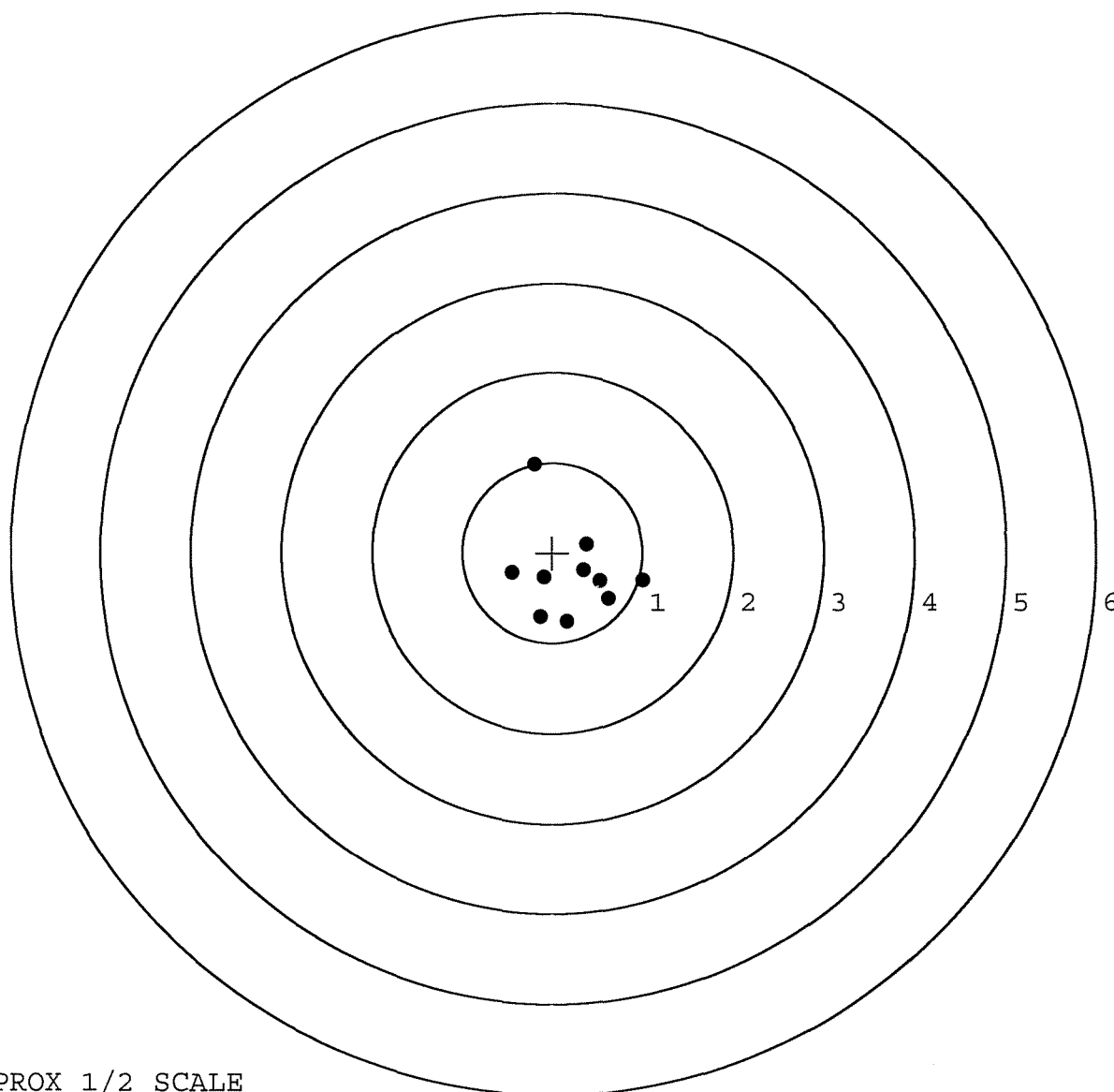


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587731. 0
 TARGET NUMBER: 5
 FILE DATE: 12/16/2001
 FILE TIME: 04:55

POINT#	X	Y
1:	-0.201	0.984
2:	-0.139	-0.714
3:	0.164	-0.771
4:	-0.447	-0.225
5:	-0.099	-0.280
6:	0.622	-0.512
7:	1.003	-0.311
8:	0.383	0.099
9:	0.349	-0.194
10:	0.532	-0.319

X CENTROID: 0.217
 Y CENTROID: -0.224
 POA TO CENTROID: 0.312
 HORZ SPREAD: 1.450
 VERT SPREAD: 1.755
 GROUP SPREAD: 1.793
 MIN RADIUS: 0.136
 MAX RADIUS: 1.278
 MEAN RADIUS: 0.553
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER 36707			
SERIAL NUMBER C(658773)			
LOG-IN DATE 36707			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-4-01	RH
560 A	RE-BARREL AT CUSTOM SHOP	12/5/01	BWT
B	DRILL AND TAP	12/5/01	BWT
C	POLISH	12-6-01	RH
575	ASSEMBLE	12-6-01	RH
600	PROOF	12-6-01	RH
605	CHECK HEADSPACE	12-6-01	RH
610	DIS-ASSEMBLE GUN	12-6-01	RH
612	MAGNAFLUX		RH
615	ROLLMARK CALIBER	12-6-01	RH
618	ROTO-BLAST	12/7	KO
620	APPLY COATINGS	12-10	TA
625 A	FINAL ASSEMBLY	12-12-01	RH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12/16/01	RH
655	FINAL INSPECT	12/18/01	RH
660	PACK	12/19/01	RH
		SHIP DATE	
		QAR INSPECTION DATE	

Remington		DU PONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		SERIAL NO. C6587731	UPC  0 47700 25716 7
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716	
 5716 C6587731			

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5.0	5.0	5.0	11-7-90	KS
	G) Safety Off Force	2.3/4	2.3/4	3.0	11-7-90	KS
	H) Trigger Pull Test & Retainability				1-18-91	JY
	I) Firing Pin Indent	^{.0205} .022	^{.0205} .021	^{.0205} .021	¹¹⁻¹⁸⁻⁹¹ 11-7-90	^{W.B.} KS
	J) Assemble Stock				11/13/90	KS
	K) Assemble Swivel Studs				11-20-90	DH
	L) Attach Front and Rear Sight Assemblies				11/13/90	KS
	M) Iron Sight Alignment				11/13/90	KS
	N) Detach Front & Rear Sights & place in numbered container				11/13/90	KS
	O) Attach Scope to Rifle				11/13/90	KS
	P) Detach & Attach Scope 20 Times				11/13/90	KS
640	Gallery Target & Test				11-15-90	DH
	A) Time				11-15-90	DH
	B) Malfunctions				11-15-90	DH
	C) Pierced Primers				11-15-90	DH
	D) Optical Clarity of Scope				11-15-90	DH
645	Inspect for Live Ammo				11-15-90	DH
655	Final Inspection				11-20-90	DH
	A) Headspace				11-20-90	DH
	B) Trigger Pull	219	240	245 245 249	2-4-91 11-20-90	245 245
	C) Function				11-20-90	DH
660	Pack				3-19-91	NF

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6587731

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/18/90	KS
600	Proof		10/18/90	KS
607	Check Headspace		10/18/90	KS
610	Dis-assemble Gun		10/18/90	KS
612	Magnaflux Barrel Action		10/22/90	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	YS.
617	Drill and Tap Sight Holes		10/23/90	WB
618	Polish Barrel <i>RB</i>		10/24/90	WB
620	Apply Coatings (Barrel Action)		11-6-90	BA
	Apply Coating (Bolt)		11-6-90	BA
625	Final Assembly A) Clean inside of Bolt Assembly		11-6-90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11-6-90	KS
	C) Inspect Ejector Hole for Chamfer		11-6-90	KS
	D) Oil Firing Pin Ass'y		11-6-90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1-18-91 11/13/90	KS KS

BARBER - M24 0026020

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587731DATE 1-18-91TESTER JF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.28	2.31	2.31	2.19	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.30	2.28	2.20	
PULL #3	2.29	2.22	2.29	2.45	
PULL #4	2.34	2.37	2.35	2.45	
PULL #5	2.27	2.21	2.28	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.40		
PULL #2	3.34	3.35		
PULL #3	3.38	3.41		
PULL #4	3.35	3.43		
PULL #5	3.47	3.42		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.43		4.17
PULL #2	4.14	4.43		4.24
PULL #3	4.16	4.38		4.26
PULL #4	4.46	4.06		4.34
PULL #5	4.29	4.17		4.21
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587731
22 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.100305
1 TO	2	.110318
1 TO	3	.067897
1 TO	4	.259509
1 TO	5	.151242

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1026
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0694
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .123867

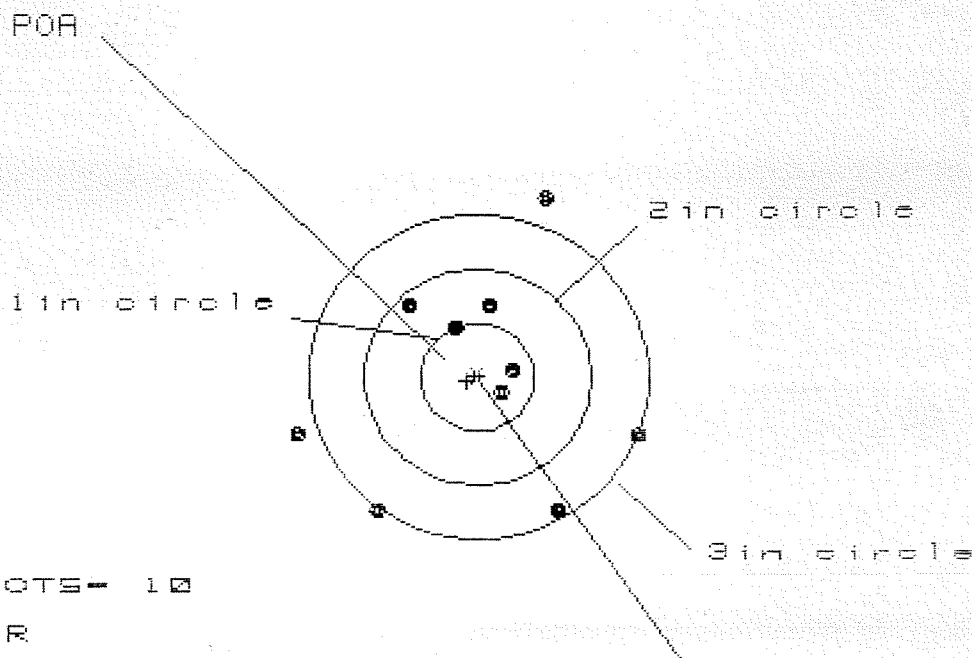
THE AMR FOR THIS RIFLE IS: 1.025

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587731

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.972

VS= 2.906

GS= 3.236

CENTROID #

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.387	1.450	1.260
MINIMUM X	:	-1.585	-1.522	-.986
MAXIMUM Y	:	1.702	.878	.840
MINIMUM Y	:	-1.204	-1.015	-1.053
CENTROID X	:	.094	.031	.221
CENTROID Y	:	.035	-.155	-.117
POA TO CENTROID in.	:	.100	.158	.250
MIN RADIUS	:	.219	.237	.043
MEAN RADIUS	:	1.044	.983	.860
MAX RADIUS	:	1.793	1.552	1.443
HORIZONTAL SPREAD	:	2.972	2.972	2.245
VERTICAL SPREAD	:	2.906	1.893	1.893
EXTREME SPREAD	:	3.236	2.972	2.365
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

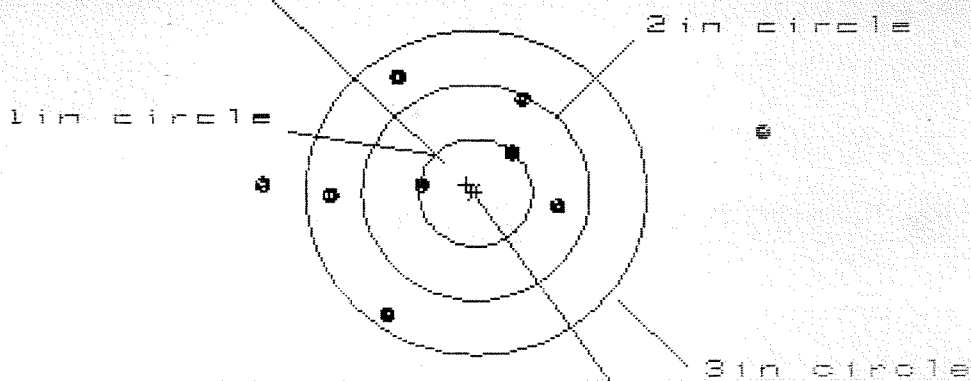
22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587731

CENTERFIRE PATTERNS

2

POA



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 4.363

VS= 2.956

GS= 4.398

CENTROID #

PATTERN #

2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.529	1.247	1.206
MINIMUM X	-1.834	-1.553	-1.397
MAXIMUM Y	1.119	1.187	.966
MINIMUM Y	-1.837	-1.769	-1.277
CENTROID X	.077	-.204	-.360
CENTROID Y	-.074	-.142	.079
POA TO CENTROID in.	.107	.248	.368
MIN RADIUS	.445	.211	.081
MEAN RADIUS	1.326	1.158	.989
MAX RADIUS	2.602	2.164	1.400
HORIZONTAL SPREAD	4.363	2.800	2.603
VERTICAL SPREAD	2.956	2.956	2.243
EXTREME SPREAD	4.398	3.383	2.611
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06587731

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in - 0

2 in - 6

3 in - 9

HS- 3.176

VS- 1.647

GS- 3.239

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.774	.917	.766
MINIMUM X	:	-1.402	-1.205	-1.115
MAXIMUM Y	:	.666	.721	.709
MINIMUM Y	:	-.981	-.926	-.938
CENTROID X	:	.161	-.036	.115
CENTROID Y	:	.024	-.031	-.020
POA TO CENTROID in.	:	.163	.047	.116
MIN RADIUS	:	.540	.630	.601
MEAN RADIUS	:	.998	.905	.846
MAX RADIUS	:	1.840	1.208	1.289
HORIZONTAL SPREAD	:	3.176	2.122	1.881
VERTICAL SPREAD	:	1.647	1.647	1.647
EXTREME SPREAD	:	3.239	2.220	2.220
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06587731

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 1.282

VS= 3.570

GS= 3.726

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.478	.388	.332
MINIMUM X	:	-.804	-.590	-.646
MAXIMUM Y	:	1.146	.877	.698
MINIMUM Y	:	-2.424	-1.431	-.683
CENTROID X	:	.130	.220	.276
CENTROID Y	:	-.222	.047	.226
POA TO CENTROID in.	:	.258	.225	.356
MIN RADIUS	:	.244	.116	.185
MEAN RADIUS	:	.905	.662	.533
MAX RADIUS	:	2.554	1.500	.700
HORIZONTAL SPREAD	:	1.282	.978	.978
VERTICAL SPREAD	:	3.570	2.308	1.381
EXTREME SPREAD	:	3.726	2.390	1.395
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

22 Jan 1991

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CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in - 2

2 in - 6

3 in = 10

HS- 2.530

VS= 1.837

GS= 2.661

CENTROID #

PATTERN #

5

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.423	.878	.759
MINIMUM X	:	-1.107	-.948	-.757
MAXIMUM Y	:	1.036	1.066	.999
MINIMUM Y	:	-.801	-.771	-.838
CENTROID X	:	.051	-.108	.011
CENTROID Y	:	-.110	-.140	-.073
POA TO CENTROID in.	:	.121	.176	.074
MIN RADIUS	:	.170	.258	.141
MEAN RADIUS	:	.854	.789	.728
MAX RADIUS	:	1.448	1.108	1.085
HORIZONTAL SPREAD	:	2.530	1.826	1.516
VERTICAL SPREAD	:	1.837	1.837	1.837
EXTREME SPREAD	:	2.661	2.091	2.017
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	