

C6498808

77

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00115160

Serial: C6498808 Model M24 SWS Center Fire
Caliber: 308 Produced: 06/19/1990

Repairman:

Status:

Closed 7/31/2006 2:02:04 PM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: USPFO FOR COLORADO

USPFO FOR COLORADO

Address 1: 1181 KILMER STREET

1181 KILMER STREET

Address 2: PO Box:

PO Box:

City: GOLDEN

GOLDEN

State: CO Zip Code: 80401

Country: US

State: CO Zip Code: 80401

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
B000	FRONT AND REAR E	1

Repair Search

Refresh

Close

nagletj

8/1/2006

7:31 AM

CAPS

NUM

INS

SCRL



Serial Number: C6498808

Model: M24 SWS



RE00115160

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498808.__1
FILE DATE AND TIME: 08/15/2006 20:48

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.010
The Average Y Centroid of the Five Target Set:	-0.002
The Average Point of Impact of the Five Target Set:	0.010
The Average Mean Radius of the Five Target Set:	0.634
The Distance from POA to Centroid Target #1:	0.087
The Distance from Centroid Target #2 to Centroid Target #1:	0.174
The Distance from Centroid Target #3 to Centroid Target #1:	0.131
The Distance from Centroid Target #4 to Centroid Target #1:	0.178
The Distance from Centroid Target #5 to Centroid Target #1:	0.100

SERIAL NUMBER: C6498808. __1

TARGET NUMBER: 1

FILE DATE: 08/15/2006

FILE TIME: 20:48

X CENTROID: 0.086

Y CENTROID: -0.012

POA TO CENTROID: 0.087

HORZ SPREAD: 1.330

VERT SPREAD: 2.451

GROUP SPREAD: 2.515

MIN RADIUS: 0.409

MAX RADIUS: 1.603

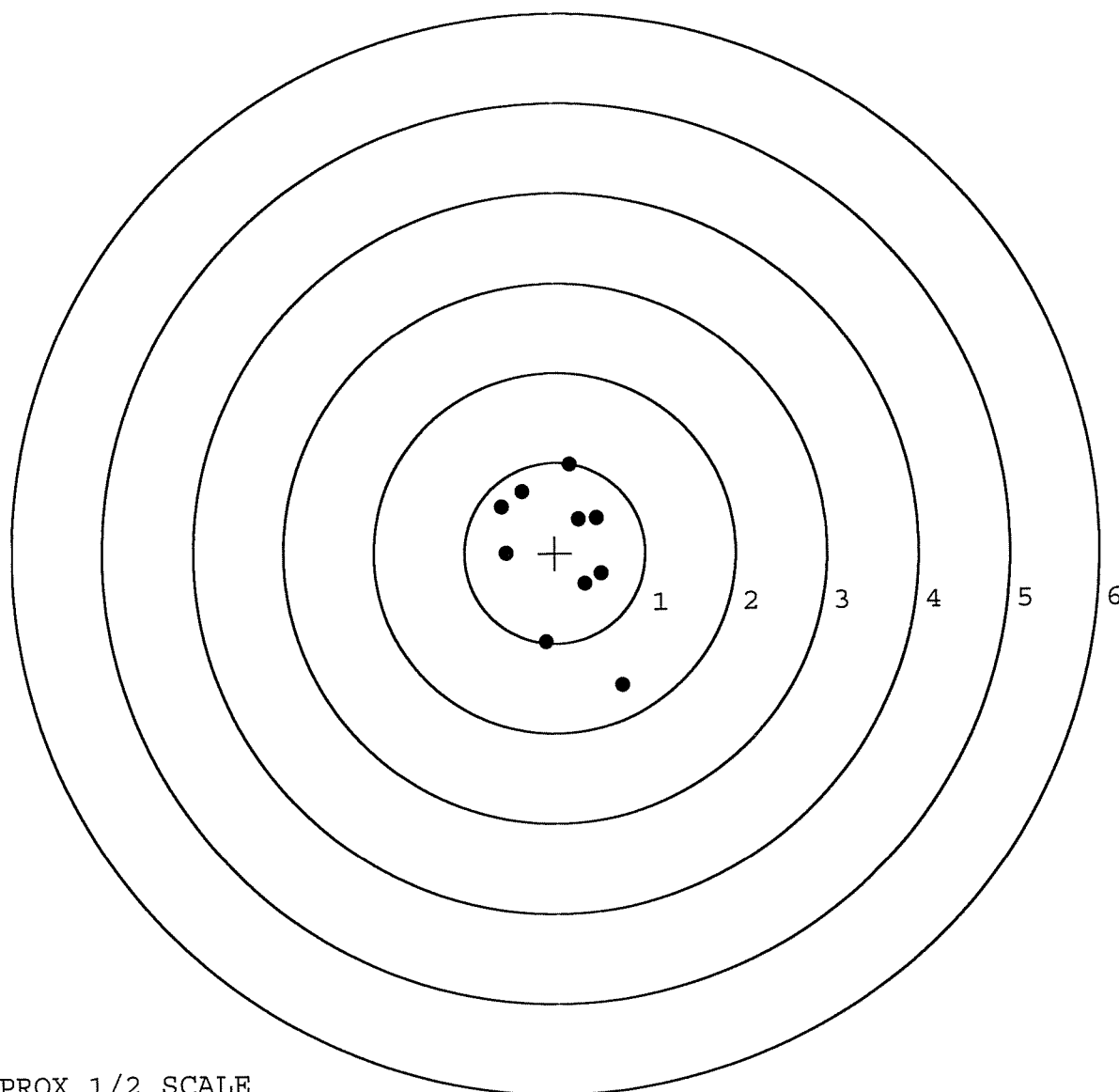
MEAN RADIUS: 0.775

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.737	-1.477
2:	-0.111	-0.988
3:	0.328	-0.342
4:	0.512	-0.232
5:	0.463	0.386
6:	0.261	0.370
7:	0.172	0.974
8:	-0.365	0.676
9:	-0.593	0.508
10:	-0.541	0.001



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498808. __1

TARGET NUMBER: 2

FILE DATE: 08/15/2006

FILE TIME: 20:48

X CENTROID: -0.086

Y CENTROID: -0.034

POA TO CENTROID: 0.093

HORZ SPREAD: 1.682

VERT SPREAD: 1.584

GROUP SPREAD: 1.831

MIN RADIUS: 0.370

MAX RADIUS: 1.106

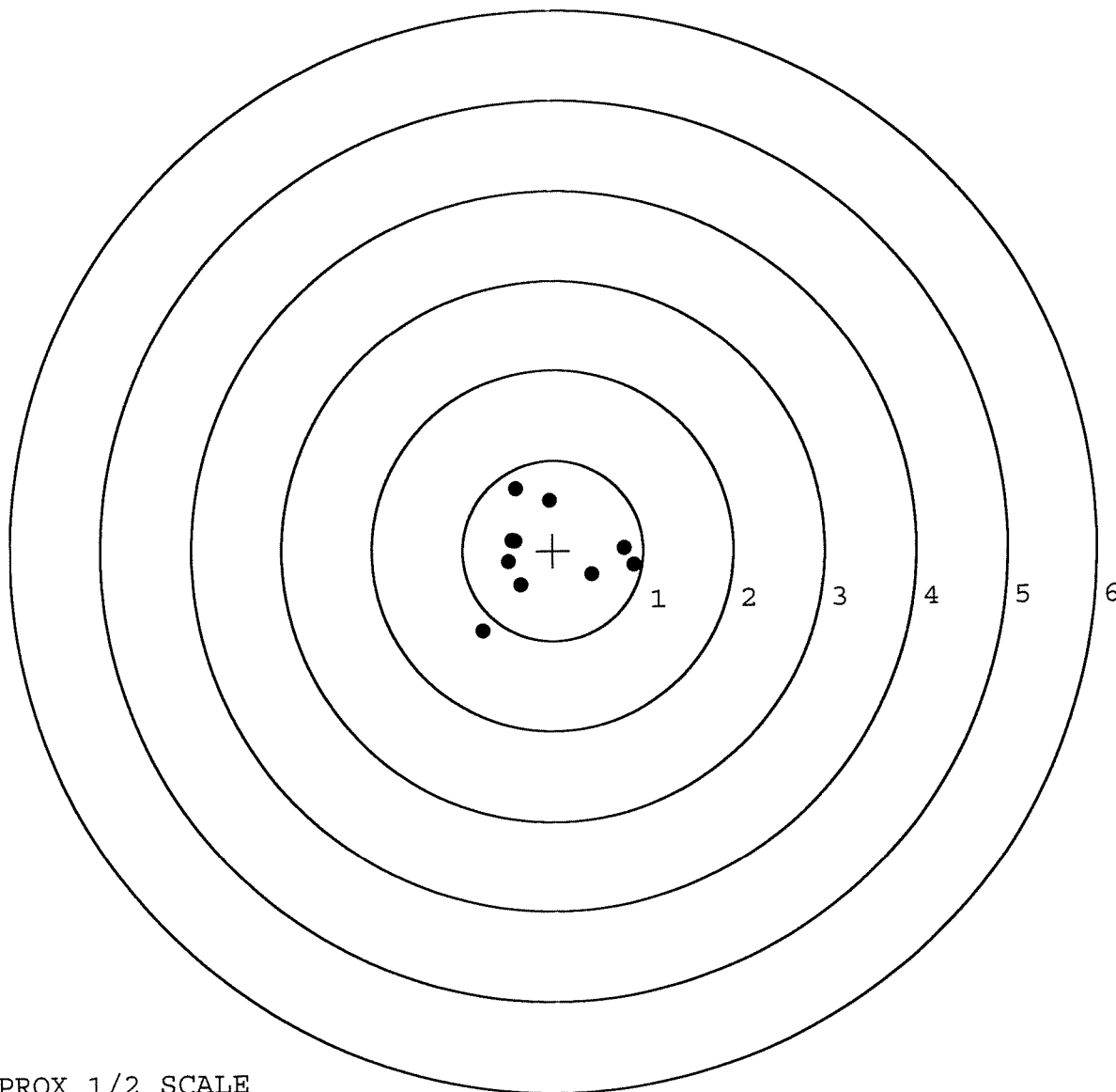
MEAN RADIUS: 0.657

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.411	0.691
2:	-0.037	0.555
3:	-0.457	0.119
4:	-0.500	-0.120
5:	-0.365	-0.385
6:	-0.783	-0.893
7:	0.429	-0.273
8:	0.899	-0.169
9:	0.789	0.023
10:	-0.426	0.113



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498808. __1

TARGET NUMBER: 3

FILE DATE: 08/15/2006

FILE TIME: 20:48

X CENTROID: -0.037

Y CENTROID: 0.034

POA TO CENTROID: 0.050

HORZ SPREAD: 2.233

VERT SPREAD: 1.067

GROUP SPREAD: 2.307

MIN RADIUS: 0.280

MAX RADIUS: 1.217

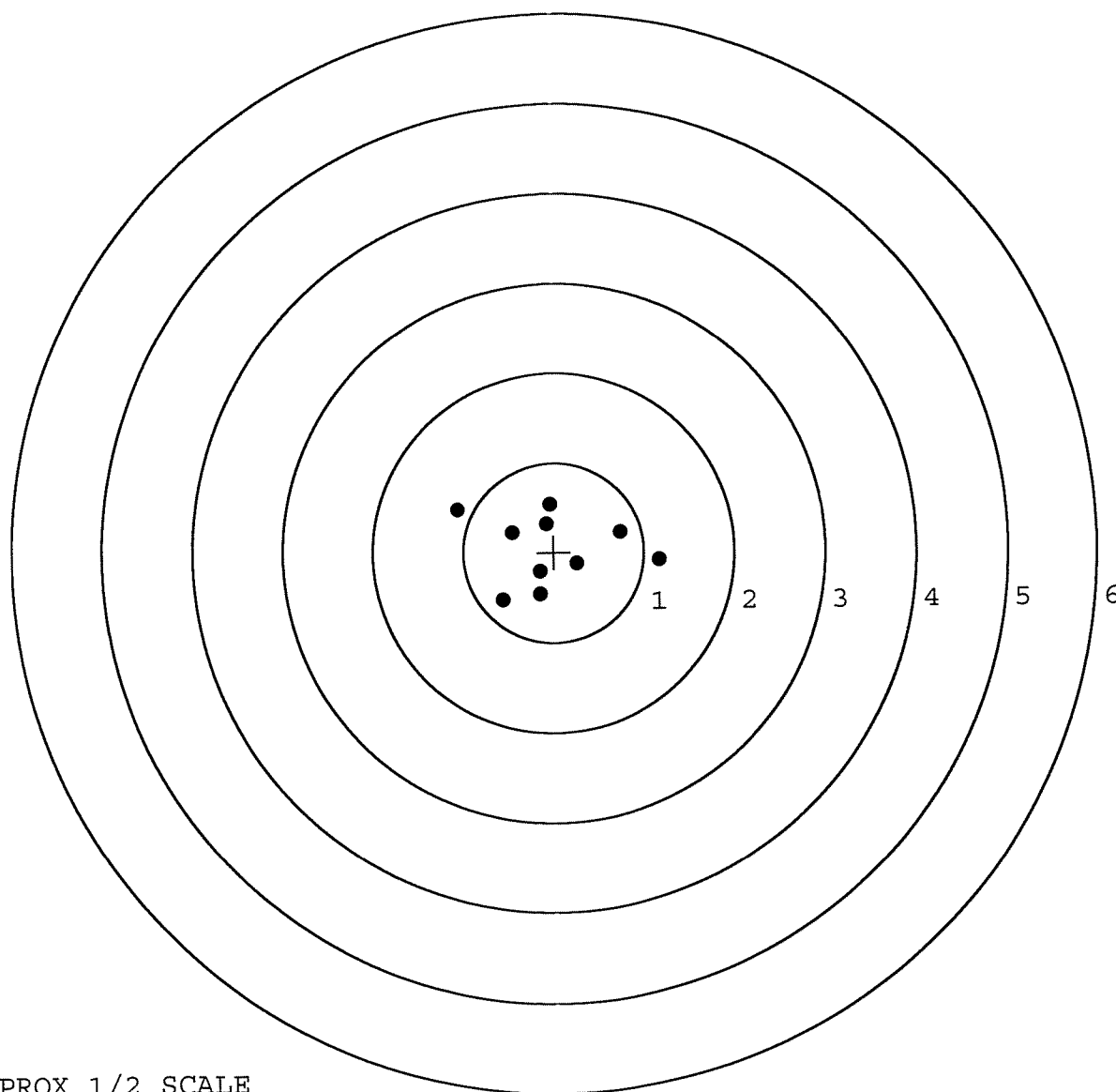
MEAN RADIUS: 0.630

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.060	0.484
2:	-0.041	0.535
3:	-0.084	0.317
4:	-0.462	0.224
5:	0.739	0.225
6:	1.173	-0.097
7:	-0.570	-0.532
8:	-0.156	-0.219
9:	-0.158	-0.469
10:	0.254	-0.130

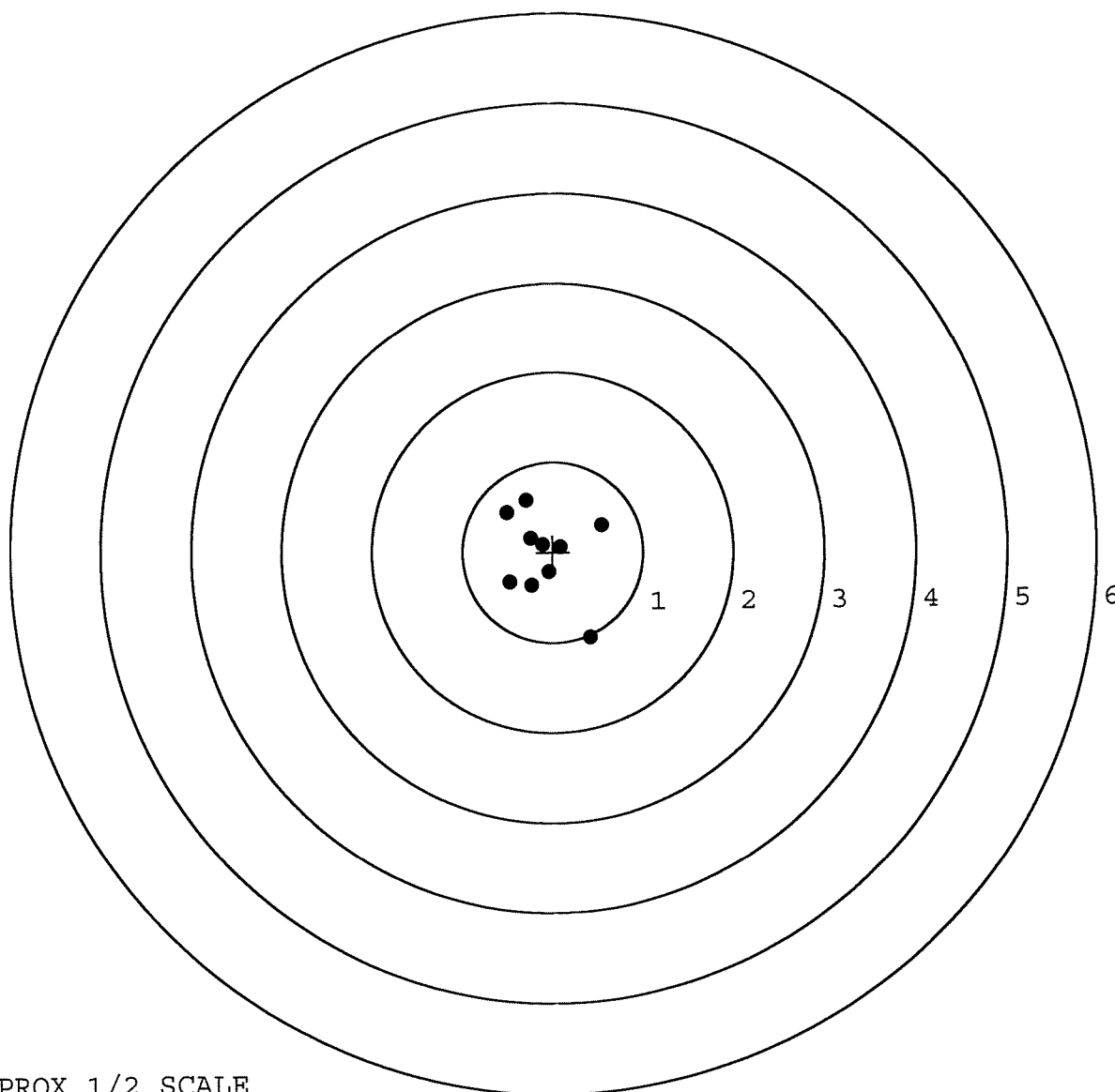


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498808. 1
 TARGET NUMBER: 4
 FILE DATE: 08/15/2006
 FILE TIME: 20:48

X CENTROID: -0.091
 Y CENTROID: -0.027
 POA TO CENTROID: 0.095
 HORZ SPREAD: 1.059
 VERT SPREAD: 1.523
 GROUP SPREAD: 1.679
 MIN RADIUS: 0.113
 MAX RADIUS: 1.049
 MEAN RADIUS: 0.465
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.546	0.294
2:	0.412	-0.947
3:	-0.295	0.576
4:	-0.513	0.440
5:	-0.485	-0.331
6:	-0.243	-0.370
7:	-0.051	-0.226
8:	-0.251	0.155
9:	0.083	0.055
10:	-0.117	0.083



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498808. __1

TARGET NUMBER: 5

FILE DATE: 08/15/2006

FILE TIME: 20:48

X CENTROID: 0.177

Y CENTROID: 0.028

POA TO CENTROID: 0.180

HORZ SPREAD: 1.824

VERT SPREAD: 1.057

GROUP SPREAD: 1.925

MIN RADIUS: 0.315

MAX RADIUS: 1.221

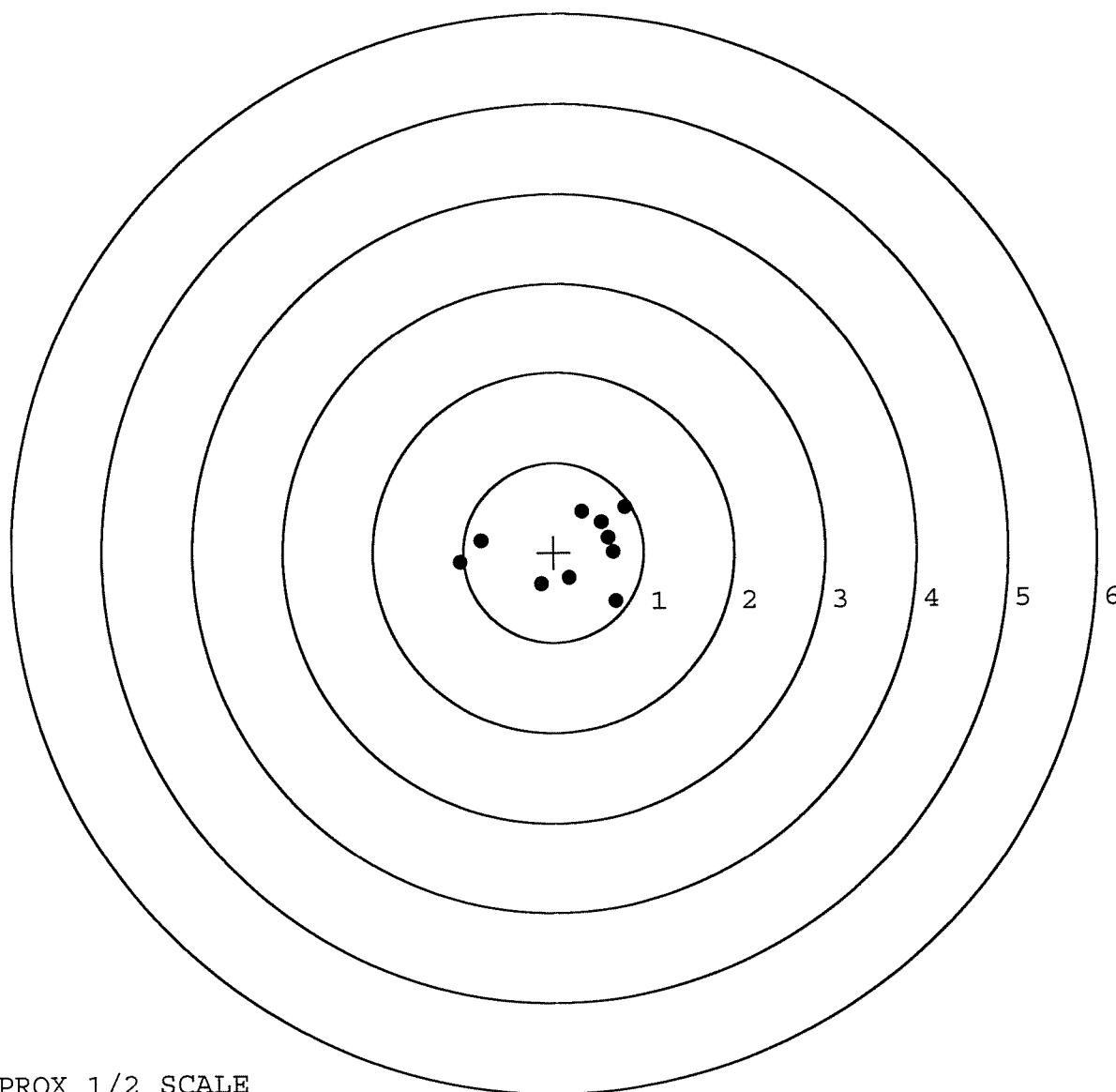
MEAN RADIUS: 0.641

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.801	0.138
2:	-1.036	-0.110
3:	0.685	-0.552
4:	-0.142	-0.358
5:	0.171	-0.287
6:	0.788	0.505
7:	0.319	0.455
8:	0.657	-0.006
9:	0.603	0.162
10:	0.529	0.334



TARGET APPROX 1/2 SCALE

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	115160			
SERIAL NUMBER	C6498808			
LOG-IN DATE	7-3-06			
OPERATION #	OPERATION NAME	DATE	INITIAL	
500	DIS-ASSEMBLE GUN	8-7-06	RT	
505	RE-BARREL	8-8-06	RT	
420	ASSEMBLE	8-8-06	RT	
440	PROOF	8-9-06	BLC	
460	CHECK HEADSPACE	8-9-06	BLC	
470	DIS-ASSEMBLE GUN	8-9-06	BLC	
480	MAGNAFLUX	8-11-06	APD	
510	DRILL AND TAP	8-10-06	TRW	
500	ROLLMARK CALIBER	8-11-06	CW	
520	GOFF BLAST BBL / REC	8-11-06	LB	
530 & 540	APPLY COATINGS	8/13/06	TBS	
560	FINAL ASSEMBLY	8-15-06	RT	
640	FUNCTION TEST AND	8-15-06	L.P.D.	
650	TARGET	8-15-06	L.P.D.	
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION	8-17-06	MTH	
	A) HEADSPACE	8-17-06	MTH	
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS 2.81 2.89 2.83 2.88 2.84 8-16-06 RA		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX 4.0 4.0 4.0 8-16-06 RA		
	G) SAFETY OFF FORCE	2 LBS MIN 2.2 2.2 2.2 8-16-06 RA		
	I) FIRING PIN INDENT	.020 .024 .025 .024 8-16-06 RA		
690	PACK	8-22-06 RA		

F006 REV 5/2006

BARREL ASSEMBLY

BARREL_____
RECEIVER_____
FRONT SIGHT BASE_____
REAR SIGHT BASE_____
SCREWS_____
FINISH

SCOPE ASSEMBLY

SCOPE_____
SCOPE RINGS_____
MOUNTING SCREWS_____
MOUNTING BASE_____
SCREWS_____
FINISH_____
CLARITY

STOCK ASSEMBLY

STOCK_____
SLING SWIVEL STUDS_____
BUTT PATE_____
LOCK NUTS_____
BARREL CLEARANCE_____
COLOR / FINISH

SYSTEM CASE

SCOPE CASE_____
IRON SIGHTS_____
DEPLOYMENT KIT

TRIGGER ASSEMBLY

SAFETY OPERATION_____
RE-SET TO FACTORY
SPECS

COMMENTS: _____

F006 REV 5/2006

Remington®



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

MODEL 700™ H24

SERIAL NO.

C6498808

ORDER NO.

5716

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

01



5716 C6498808

UPC



CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

BARBER - M24 M2400008133

BARBER - M24 0008094

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498808

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9 90		RW
600	Proof	5 9 90		RW
607	Check Headspace	5 9 90		RW
610	Dis-assemble Gun	5 9 90		RW
612	Magnaflux Barrel Action	5-15-90		KER
	Magnaflux Bolt	5-15-90		KER
615	Rollmark Caliber	5-15-90		GS
617	Drill and Tap Sight Holes		5/17/90	FB
618	Polish Barrel RB		5/17/90	WB
620	Apply Coatings (Barrel Action)		5-25-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6-4-90	RU

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4	6/4/90	WB
	G) Safety Off Force	2	2	2	6/4/90	WB
	H) Trigger Pull Test & Retainability				6-4-90	JH
	I) Firing Pin Indent	.024	.024	.024	6/4/90	WB
	J) Assemble Stock				6/4/90	RW
	K) Assemble Swivel Studs				6-6-90	JD
	L) Attach Front and Rear Sight Assemblies				6/4/90	RW
	M) Iron Sight Alignment				6/4/90	RW
	N) Detach Front & Rear Sights & place in numbered container				6/4/90	RW
	O) Attach Scope to Rifle				6/4/90	WB
	P) Detach & Attach Scope 20 Times				6/4/90	WB
640	Gallery Target & Test				6-5-90	AC
	A) Time				6-5-90	AC
	B) Malfunctions				6-5-90	AC
	C) Pierced Primers				6-5-90	AC
	D) Optical Clarity of Scope				6-5-90	AC
645	Inspect for Live Ammo				6-5-90	AC
655	Final Inspection				6-8-90	JD
	A) Headspace					
	B) Trigger Pull	247	264	262 264	278	6-6-90 JD
	C) Function				6-6-90	JD
660	Pack				6-7-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6498808DATE 6-4-90TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.35	2.40	2.47	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.20	2.37	2.67	
PULL #3	2.34	2.22	2.32	2.60	
PULL #4	2.25	2.19	2.42	2.64	
PULL #5	2.33	2.12	2.35	2.78	
TOTAL	11.57	11.08	11.86		
AVG.	2.314	2.216	2.372		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.71	3.31		
PULL #2	3.31	3.38		
PULL #3	3.39	3.50		
PULL #4	3.31	3.42		
PULL #5	3.29	3.46		
TOTAL	16.41	17.07		
AVG.	3.282	3.414		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.18		4.29
PULL #2	4.50	4.27		4.26
PULL #3	4.49	4.10		4.51
PULL #4	4.52	4.36		4.27
PULL #5	4.48	4.25		4.41
TOTAL	22.38	21.16		21.74
AVG.	4.476	4.232		4.348

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498808
6 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.457621
1 TO	2	.395285
1 TO	3	.590893
1 TO	4	.58884
1 TO	5	.548731

+ $\frac{5}{1}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5644
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .066
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .568246
THE AMR FOR THIS RIFLE IS: .8524

6 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06498808

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 10

HS= 1.625

VS= 2.257

GS= 2.357

PATTERN #

1

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.075	1.018	1.041
MINIMUM X	:	-.551	-.608	-.585
MAXIMUM Y	:	1.080	.954	.791
MINIMUM Y	:	-1.177	-1.303	-1.198
CENTROID X	:	.349	.406	.383
CENTROID Y	:	-.296	-.170	-.007
POA TO CENTROID in.	:	.458	.440	.383
MIN RADIUS	:	.371	.463	.535
MEAN RADIUS	:	.974	.940	.870
MAX RADIUS	:	1.241	1.315	1.254
HORIZONTAL SPREAD	:	1.626	1.626	1.626
VERTICAL SPREAD	:	2.257	2.257	1.989
EXTREME SPREAD	:	2.357	2.268	2.026
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	10		

6 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498808

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS= 1.837

VS= 2.051

GS= 2.508

PATTERN #

2

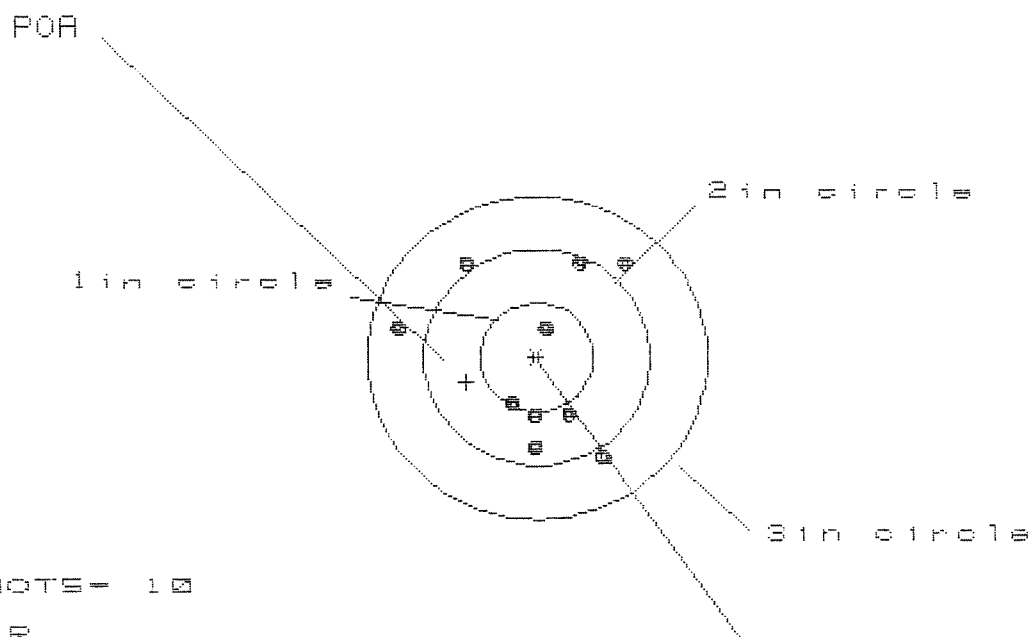
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.114	.822	.751
MINIMUM X	:	-.723	-.599	-.670
MAXIMUM Y	:	1.188	1.107	1.224
MINIMUM Y	:	-.863	-.944	-.827
CENTROID X	:	.574	.450	.521
CENTROID Y	:	.029	.110	-.007
POA TO CENTROID in.	:	.575	.464	.521
MIN RADIUS	:	.368	.334	.304
MEAN RADIUS	:	.839	.774	.721
MAX RADIUS	:	1.331	1.107	1.226
HORIZONTAL SPREAD	:	1.837	1.421	1.421
VERTICAL SPREAD	:	2.051	2.051	2.051
EXTREME SPREAD	:	2.508	2.054	2.054
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

6 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06498808

CENTERFIRE PATTERNS

3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 1.997

VS= 1.794

GS= 2.164

CENTROID #

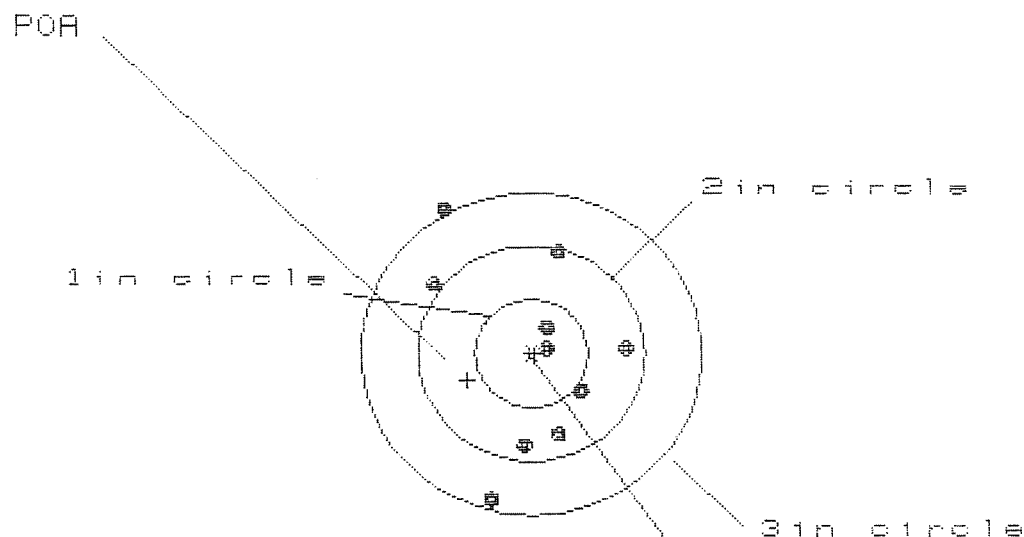
PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.795	.662	.550
MINIMUM X	-1.202	-.753	-.670
MAXIMUM Y	.880	.911	1.001
MINIMUM Y	-.914	-.883	-.769
CENTROID X	.624	.757	.674
CENTROID Y	.227	.196	.082
POA TO CENTROID in.	.664	.782	.679
MIN RADIUS	.279	.324	.343
MEAN RADIUS	.806	.750	.672
MAX RADIUS	1.235	1.139	1.177
HORIZONTAL SPREAD	1.997	1.415	1.220
VERTICAL SPREAD	1.794	1.794	1.770
EXTREME SPREAD	2.164	2.123	2.123
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

6 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498808

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS = 1.659

VS = 2.717

GS = 2.748

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.840	.756	.701
MINIMUM X	-.819	-.903	-.958
MAXIMUM Y	1.372	1.059	.910
MINIMUM Y	-1.345	-1.192	-.829
CENTROID X	.567	.651	.706
CENTROID Y	.251	.098	.247
POA TO CENTROID in.	.620	.659	.748
MIN RADIUS	.147	.182	.024
MEAN RADIUS	.845	.743	.648
MAX RADIUS	1.569	1.269	1.183
HORIZONTAL SPREAD	1.659	1.659	1.659
VERTICAL SPREAD	2.717	2.251	1.739
EXTREME SPREAD	2.748	2.321	1.777
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

6 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06438888

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= .875

VS= 2.729

GS= 2.737

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.326	.305	.305
MINIMUM X	:	-.549	-.570	-.570
MAXIMUM Y	:	1.081	.897	.828
MINIMUM Y	:	-1.648	-1.167	-1.054
CENTROID X	:	.708	.729	.729
CENTROID Y	:	.119	.303	.190
POA TO CENTROID in.	:	.718	.790	.754
MIN RADIUS	:	.254	.151	.191
MEAN RADIUS	:	.798	.668	.645
MAX RADIUS	:	1.659	1.187	1.077
HORIZONTAL SPREAD	:	.875	.875	.875
VERTICAL SPREAD	:	2.729	2.064	1.882
EXTREME SPREAD	:	2.737	2.076	1.932
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	