

C6348730

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Serial Number: C6348730

Model: 700



RE00052607

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348730.___0
FILE DATE AND TIME: 10/16/2002 13:51

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

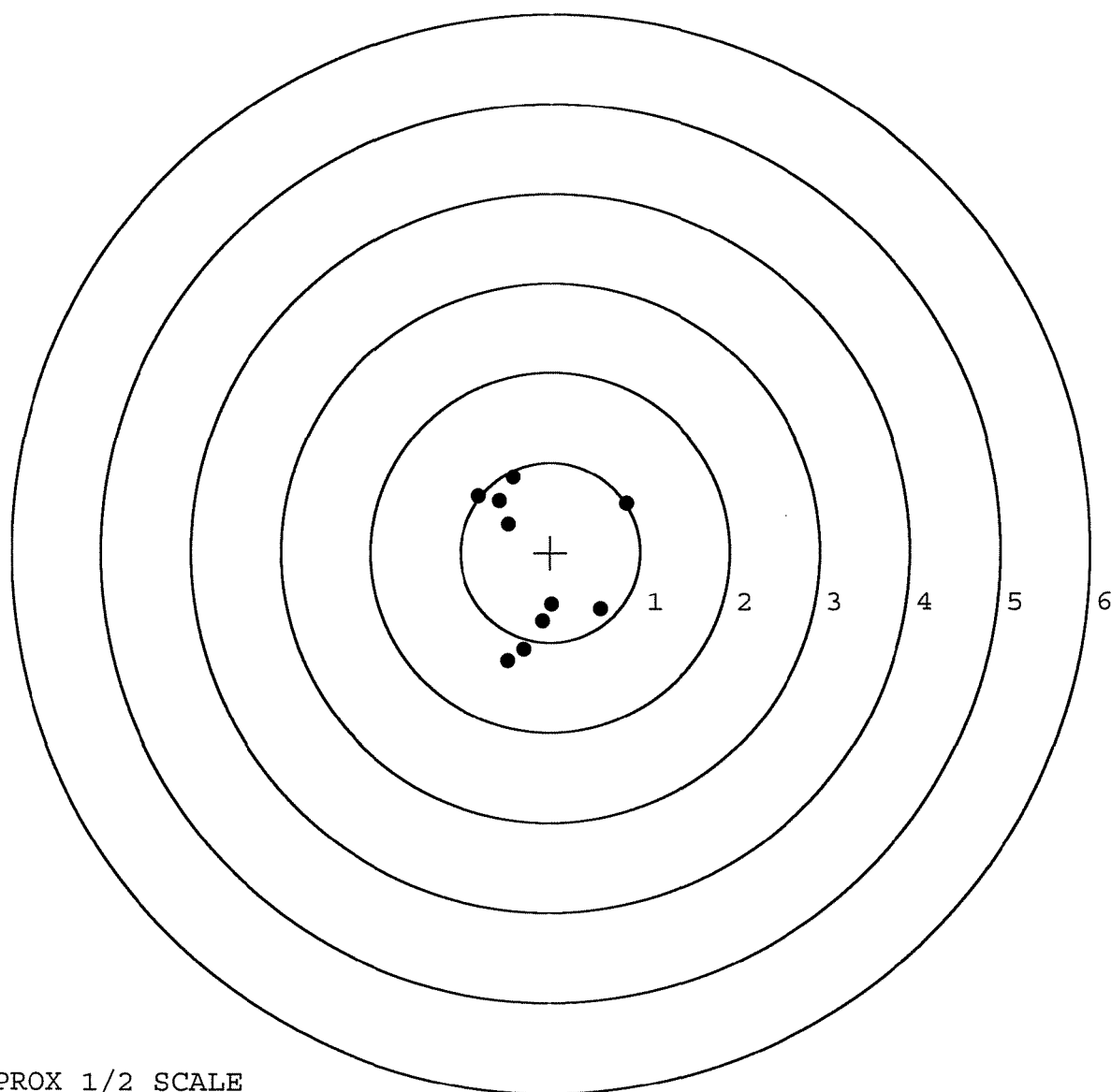
The Average X Centroid of the Five Target Set:	0.005
The Average Y Centroid of the Five Target Set:	-0.222
The Average Point of Impact of the Five Target Set:	0.222
The Average Mean Radius of the Five Target Set:	0.686
The Distance from POA to Centroid Target #1:	0.219
The Distance from Centroid Target #2 to Centroid Target #1:	0.087
The Distance from Centroid Target #3 to Centroid Target #1:	0.713
The Distance from Centroid Target #4 to Centroid Target #1:	0.244
The Distance from Centroid Target #5 to Centroid Target #1:	0.269

BARBER - M24 0062548

SERIAL NUMBER: C6348730. __0
 TARGET NUMBER: 1
 FILE DATE: 10/16/2002
 FILE TIME: 13:51

POINT#	X	Y
1:	0.565	-0.637
2:	0.014	-0.584
3:	-0.088	-0.771
4:	-0.294	-1.086
5:	-0.479	-1.208
6:	-0.473	0.314
7:	-0.806	0.632
8:	-0.419	0.834
9:	-0.569	0.577
10:	0.849	0.546

X CENTROID: -0.170
 Y CENTROID: -0.138
 POA TO CENTROID: 0.219
 HORZ SPREAD: 1.655
 VERT SPREAD: 2.042
 GROUP SPREAD: 2.200
 MIN RADIUS: 0.482
 MAX RADIUS: 1.227
 MEAN RADIUS: 0.867
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



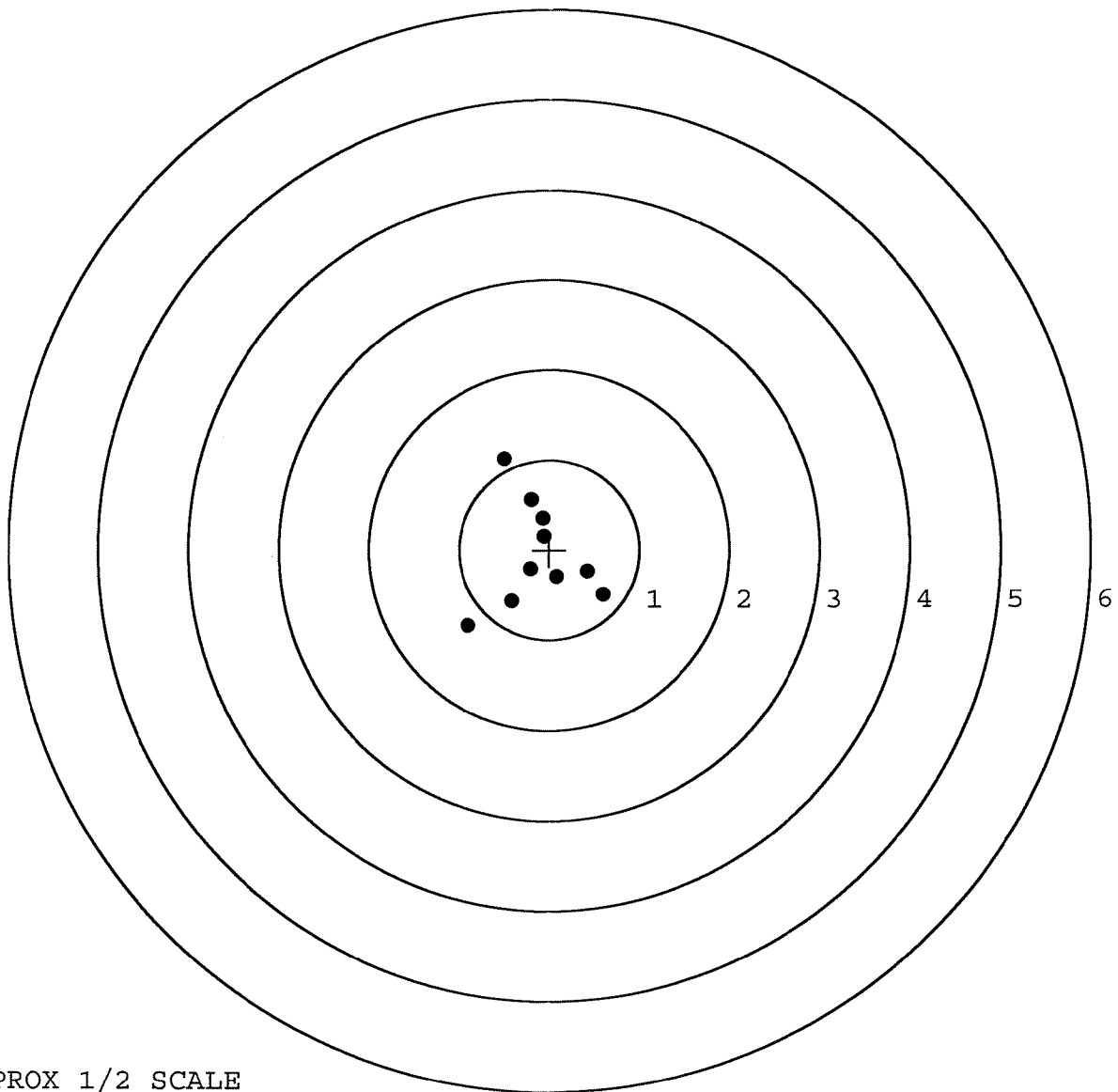
TARGET APPROX 1/2 SCALE

BARBER - M24 0062549

SERIAL NUMBER: C6348730. __0
TARGET NUMBER: 2
FILE DATE: 10/16/2002
FILE TIME: 13:51

POINT#	X	Y
1:	0.602	-0.504
2:	0.086	-0.300
3:	-0.414	-0.579
4:	-0.904	-0.849
5:	-0.066	0.149
6:	-0.200	0.556
7:	-0.501	1.011
8:	-0.079	0.349
9:	-0.209	-0.219
10:	0.432	-0.246

X CENTROID: -0.125
Y CENTROID: -0.063
POA TO CENTROID: 0.140
HORZ SPREAD: 1.506
VERT SPREAD: 1.860
GROUP SPREAD: 1.903
MIN RADIUS: 0.177
MAX RADIUS: 1.138
MEAN RADIUS: 0.603
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

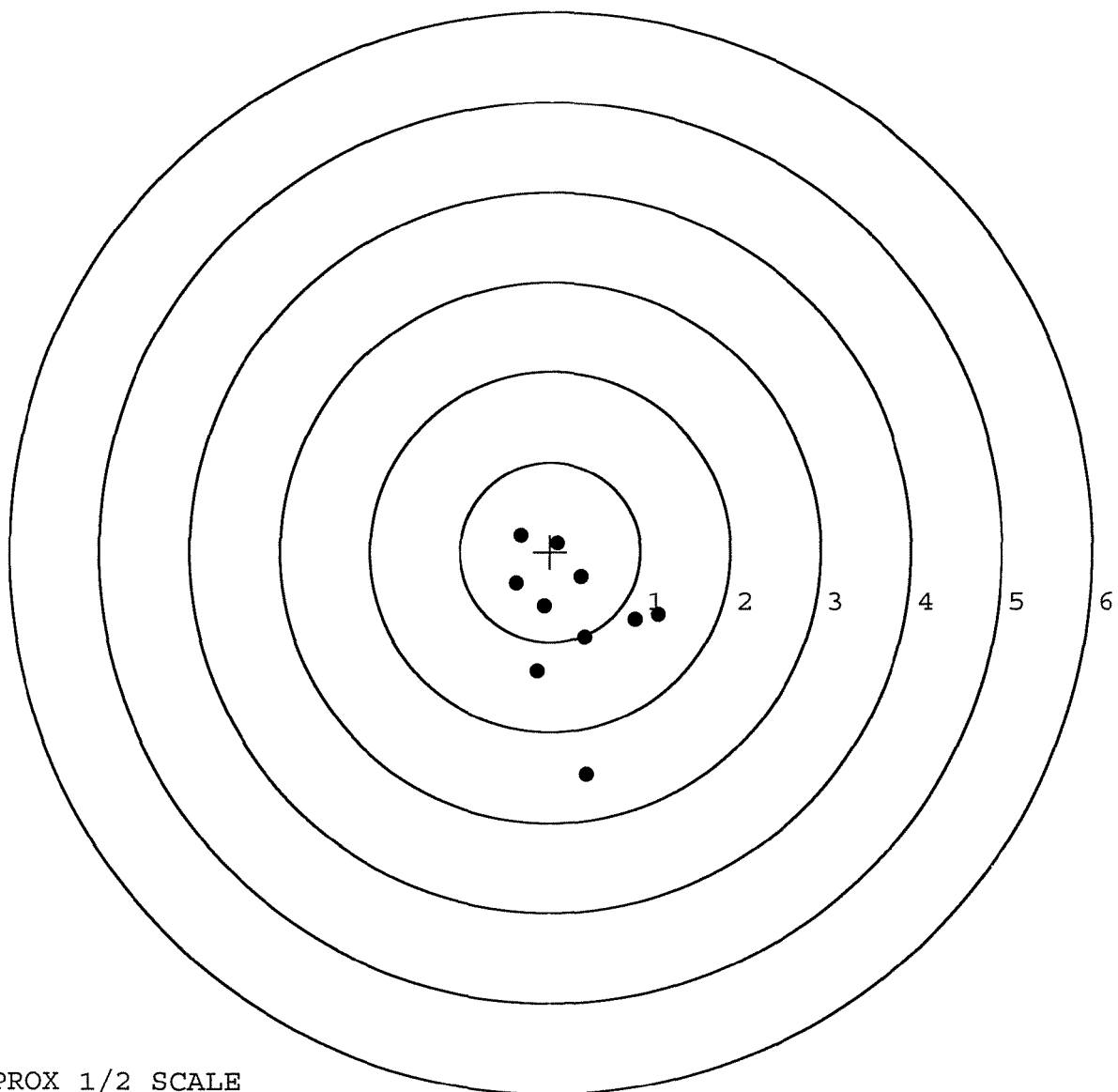
BARBER - M24 0062550

SERIAL NUMBER: C6348730. 0
TARGET NUMBER: 3
FILE DATE: 10/16/2002
FILE TIME: 13:51

X CENTROID: 0.246
Y CENTROID: -0.717
POA TO CENTROID: 0.758
HORZ SPREAD: 1.568
VERT SPREAD: 2.652
GROUP SPREAD: 2.755
MIN RADIUS: 0.274
MAX RADIUS: 1.763
MEAN RADIUS: 0.782

IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.194	-0.702
2:	0.945	-0.757
3:	0.348	-0.274
4:	-0.070	-0.609
5:	-0.142	-1.332
6:	-0.327	0.181
7:	0.420	-2.471
8:	0.081	0.096
9:	-0.374	-0.348
10:	0.389	-0.950



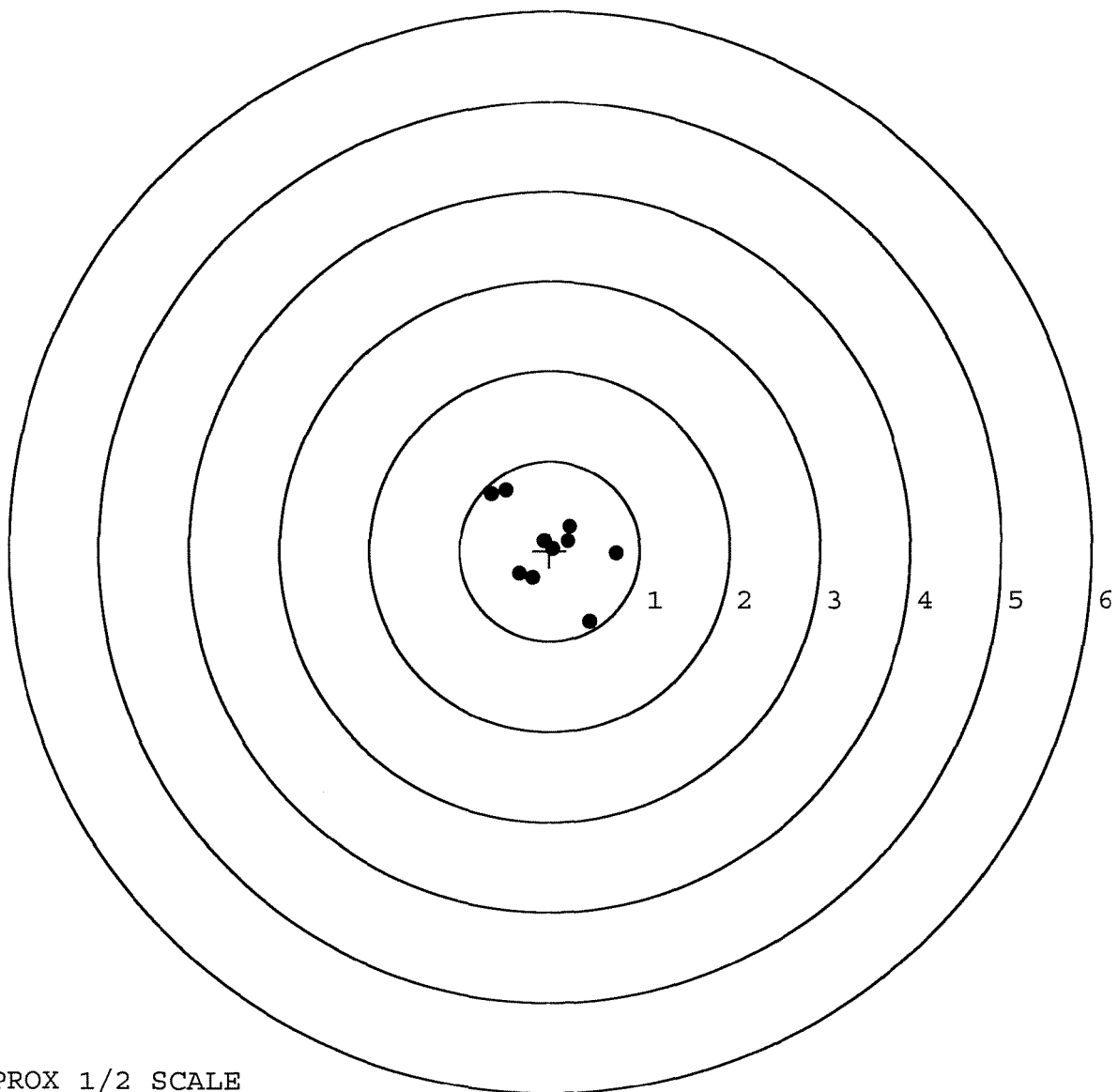
TARGET APPROX 1/2 SCALE

BARBER - M24 0062551

SERIAL NUMBER: C6348730. __0
TARGET NUMBER: 4
FILE DATE: 10/16/2002
FILE TIME: 13:51

X CENTROID: -0.008
Y CENTROID: 0.044
POA TO CENTROID: 0.045
HORZ SPREAD: 1.394
VERT SPREAD: 1.471
GROUP SPREAD: 1.803
MIN RADIUS: 0.051
MAX RADIUS: 0.952
MEAN RADIUS: 0.489
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.447	-0.792
2:	0.741	-0.032
3:	0.225	0.267
4:	-0.340	-0.260
5:	-0.190	-0.302
6:	-0.653	0.636
7:	-0.488	0.679
8:	-0.064	0.107
9:	0.039	0.025
10:	0.201	0.113



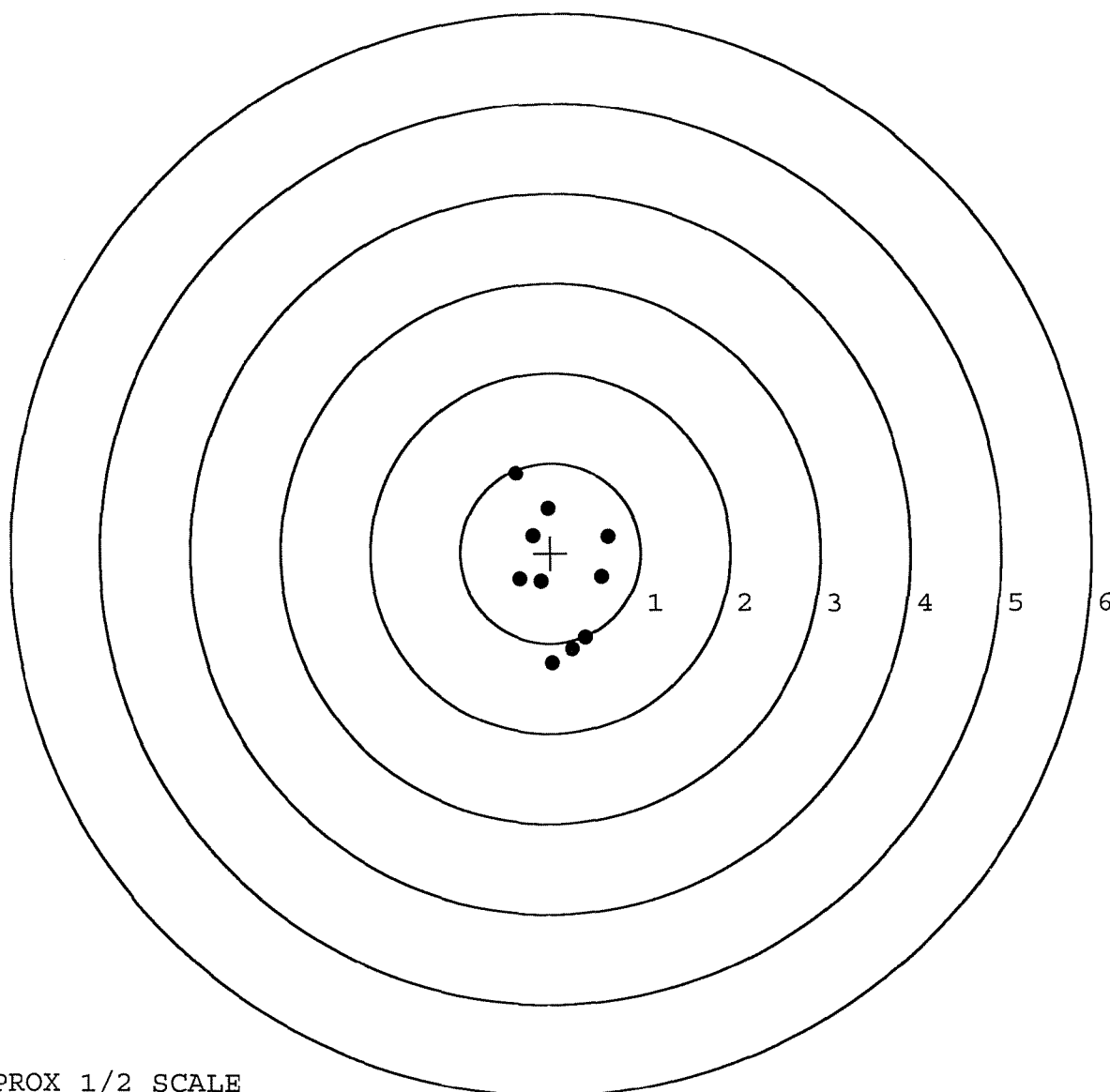
TARGET APPROX 1/2 SCALE

BARBER - M24 0062552

SERIAL NUMBER: C6348730. __0
TARGET NUMBER: 5
FILE DATE: 10/16/2002
FILE TIME: 13:51

X CENTROID: 0.080
Y CENTROID: -0.237
POA TO CENTROID: 0.250
HORZ SPREAD: 1.032
VERT SPREAD: 2.097
GROUP SPREAD: 2.137
MIN RADIUS: 0.210
MAX RADIUS: 1.208
MEAN RADIUS: 0.689
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.024	-1.221
2:	0.251	-1.071
3:	0.396	-0.946
4:	0.567	-0.263
5:	0.643	0.183
6:	-0.113	-0.319
7:	-0.343	-0.289
8:	-0.197	0.189
9:	-0.039	0.490
10:	-0.389	0.876



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	52607		
SERIAL NUMBER	C6348730		
LOG-IN DATE	9/19/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9/23/02	RL
560 A	RE-BARREL	9/23/02	RL
B	DRILL AND TAP	9-23-02	AC
575	ASSEMBLE	9/24/02	RL
600	PROOF	9-24-02	AC
605	CHECK HEADSPACE	9-24-02	AC
610	DIS-ASSEMBLE GUN	9/24/02	RL
612	MAGNAFLUX	RL	
615	ROLLMARK CALIBER	9/27/02	TD
618	ROTO-BLAST	9/30/02	KO
620	APPLY COATINGS	10-5	TA
625 A	FINAL ASSEMBLY	10/9/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-15-02	TRW
655	FINAL INSPECT	10-15-02	RL
660	PACK	10-15-02	DA.
		SHIP DATE	
	QAR INSPECTION DATE		

Final Inspection

In: C 6348730

DATE REC'D: 9/19/02

DATE RET'D: 10/15/02

EDITOR: RL

Item:

Barrel Assy.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

Scope Assy.

☒ Scope☒ Scope Rings☒ Mounting Screws☒ Mounting Base☒ Screws☒ Finish☒ Looseness☒ Clarity

Misc.

☒ DD-250☒ BAR CODE☒ PACKAGING

Item:

Stock Assy.

☒ Stock☒ Sling Swivel Studs☒ ADJUSTABLE BUTT PLATE☒ Lock Nuts☒ BARREL CLEARANCE☒ COLOR/FINISH

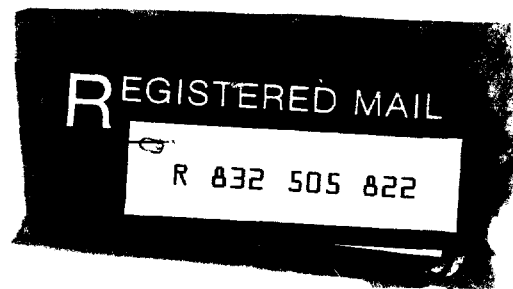
Systems Case

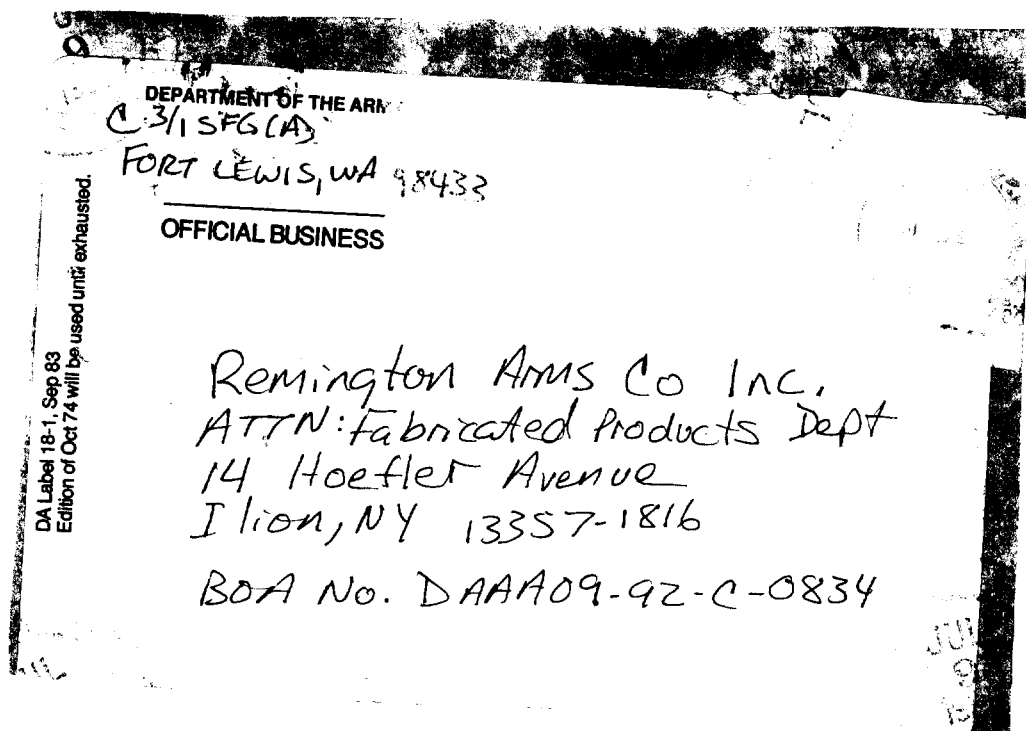
☒ Scope Case☒ Iron Sights☒ Deployment Kit

Trigger

☒ SAFETY OPERATION☒ SET

Comments:





EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET									
For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG									
1. ORGANIZATION C63489BN 1ST SFG(A)					2. NOMENCLATURE AND MODEL M24 SWS				
3. REGISTRATION/SERIAL/NSN		4a. MILES	b. HOURS	c. ROUNDS FIRED	d. HOT STARTS	5. DATE		6. TYPE INSPECTION	
7. APPLICABLE REFERENCE									
TM NUMBER			TM DATE		TM NUMBER			TM DATE	
COLUMN a — Enter TM item number. COLUMN b — Enter the applicable condition status symbol. COLUMN c — Enter deficiencies and shortcomings.					COLUMN d — Show corrective action for deficiency or shortcoming listed in Column c. COLUMN e — Individual ascertaining completed corrective action initial in this column.				
STATUS SYMBOLS									
"X"—Indicates a deficiency in the equipment that places it in an inoperable status. CIRCLED "X"—Indicates a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until corrective action can be accomplished. HORIZONTAL DASH "—"Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished.					DIAGONAL "(/)"—Indicates a materiel defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable. LAST NAME INITIAL IN BLACK, BLUE-BLACK INK, OR PENCIL—Indicates that a completely satisfactory condition exists. FOR AIRCRAFT—Status symbols will be recorded in red.				
ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.									
8a. SIGNATURE (Person(s) performing inspection)			8b. TIME		9a. SIGNATURE (Maintenance Supervisor)			9b. TIME	
								10. MANHOURS REQUIRED	
TM ITEM NO. a	STATUS b	DEFICIENCIES AND SHORTCOMINGS c			CORRECTIVE ACTION d			INITIAL WHEN CORRECTED e	
		C6348730			*EXCESS OF 10,000 RDS				
		C6225181			PER GUN, EACH NEEDS				
		C6225524			RE-BARRELING				
		C6348969			T/I TRIGGERS/STOCKS				
		C6348954, 6003			*THESE WEAPONS WERE				
		C6225270			SHOT IN THE LAST 15				
		C6225467			SNIPER CLASS, SNIPER				
		C6348907			COMMITTEE SAID THEY				
		C6225409			NEED RE-BARRELING,				
		C6348868			DUE TO POOR SHOT PERFORMANCE				
		C6225174			AND EXCESS RDS.				
		C6348981			*EACH WEAPON HAS A				
					SCOPE MOUNT				
		P.O.C. SSG DELK							
		3RD BN 1ST SFG(A)							
					(206) 967-8813/8896				

Final Inspection

Sn: C6348730

DATE REC'D:

7/15/96

DATE RET'D:

Auditor: AW

Item:

Barrel Assy.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

Scope Assy.

☐ Scope☐ Scope Rings☐ Mounting Screws☐ Mounting Base☐ Screws☐ Finish☐ Looseness☐ CLARITY

Misc.

☐ DD-250☐ BAR CODE☐ PACKAGING

Item:

Stock Assy.

☒ STOCK☒ SLING SWIVEL STUDS☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

Systems Case

☐ Scope Case☐ Iron SIGHTS☐ Deployment Kit

Trigger

☒ SAFETY OPERATION☒ SET

Comments:

op. #	BARBER - M24 0062560 OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force					
	G) Safety Off Force					
	H) Trigger Pull Test & Retainability					
	I) Firing Pin Indent					
	J) Assemble Stock					
	K) Assemble Swivel Studs					
	L) Attach Front and Rear Sight Assemblies					
	M) Iron Sight Alignment					
	N) Detach Front & Rear Sights & place in numbered container					
	O) Attach Scope to Rifle					
	P) Detach & Attach Scope 20 Times					
640	Gallery Target & Test					
	A) Time					
	B) Malfunctions					
	C) Pierced Primers					
	D) Optical Clarity of Scope					
645	Inspect for Live Ammo					
655	Final Inspection					
	A) Headspace					
	B) Trigger Pull					
	C) Function					
660	Pack					

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348730

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	Rw
600	Proof	10-9	89	A
607	Check Headspace	10-9	89	Rw
610	Dis-assemble Gun	10-9	89	Rw
612	Magnaflux Barrel Action	10/31/89		KCR
	Magnaflux Bolt	10/31/89		KCR
615	Rollmark Caliber			
.7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		11-3-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/6/89	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/6/89	Rw
	C) Inspect Ejector Hole for Chamfer		11/6/89	Rw
	D) Oil Firing Pin Ass'y		11/6/89	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		8/18/89	928

BARBER - M24 0062562

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			11-8-89	JS
	G) Safety Off Force	3	3	3			11-8-89	JS
	H) Trigger Pull Test & Retainability						8/15/89	JS
	I) Firing Pin Indent	.021	.0205	.0205			11-8-89	JS
	J) Assemble Stock						11/13/89	RW
	K) Assemble Swivel Studs						11/13/89	JS
	L) Attach Front and Rear Sight Assemblies						11/13/89	RW
	M) Iron Sight Alignment						11/13/89	RW
	N) Detach Front & Rear Sights & place in numbered container						11/13/89	RW
	O) Attach Scope to Rifle						1300089	JS
	P) Detach & Attach Scope 20 Times						1300089	JS
640	Gallery Target & Test						11-16-89	DH
	A) Time						11-16-89	DH
	B) Malfunctions						11-16-89	DH
	C) Pierced Primers						11-16-89	DH
	D) Optical Clarity of Scope						11-16-89	DH
645	Inspect for Live Ammo						11-16-89	DH
655	Final Inspection							
	A) Headspace						1700089	JS
	B) Trigger Pull	2.78	2.72	2.80	2.86	2.88	1700089	JS
	C) Function						1700089	JS
660	Pack						14/Dec/89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6348730DATE 3-30-98TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.21	2.53		2.56	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.47		2.56	
PULL #3	2.41	2.49		2.51	
PULL #4	2.44	2.43		2.52	
PULL #5	2.48	2.47		2.52	
TOTAL	11.99	12.39		12.67	
AVG.	2.398	2.478		2.534	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.41		
PULL #2	3.32	3.43		
PULL #3	3.49	3.46		
PULL #4	3.31	3.47		
PULL #5	3.39	3.44		
TOTAL	16.87	17.21		
AVG.	3.374	3.442		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.26		
PULL #2	4.25	4.26		
PULL #3	4.27	4.29		
PULL #4	4.20	4.25		
PULL #5	4.17	4.19		
TOTAL	21.15	21.25		
AVG.	4.23	4.25		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348738
16 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.628405
1 TO	2	.612805
1 TO	3	.689235
1 TO	4	.666925
1 TO	5	.554092

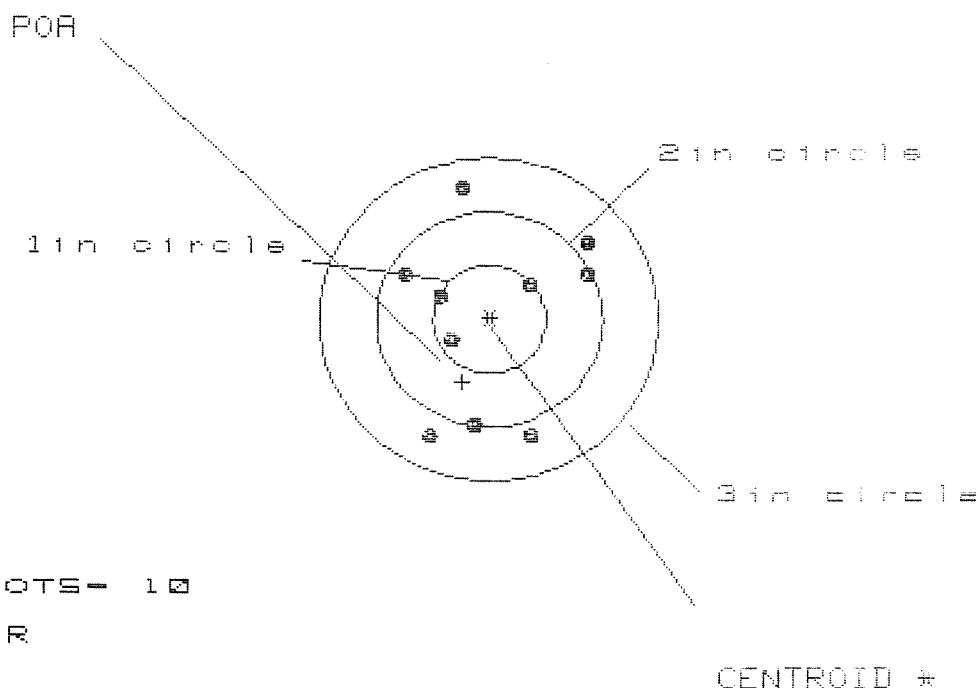
1
#37 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3214
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1132
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .348752
THE AMR FOR THIS RIFLE IS: .8764

16 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348730

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in - 2

2in - 6

3in - 10

HS- 1.597

VS- 2.282

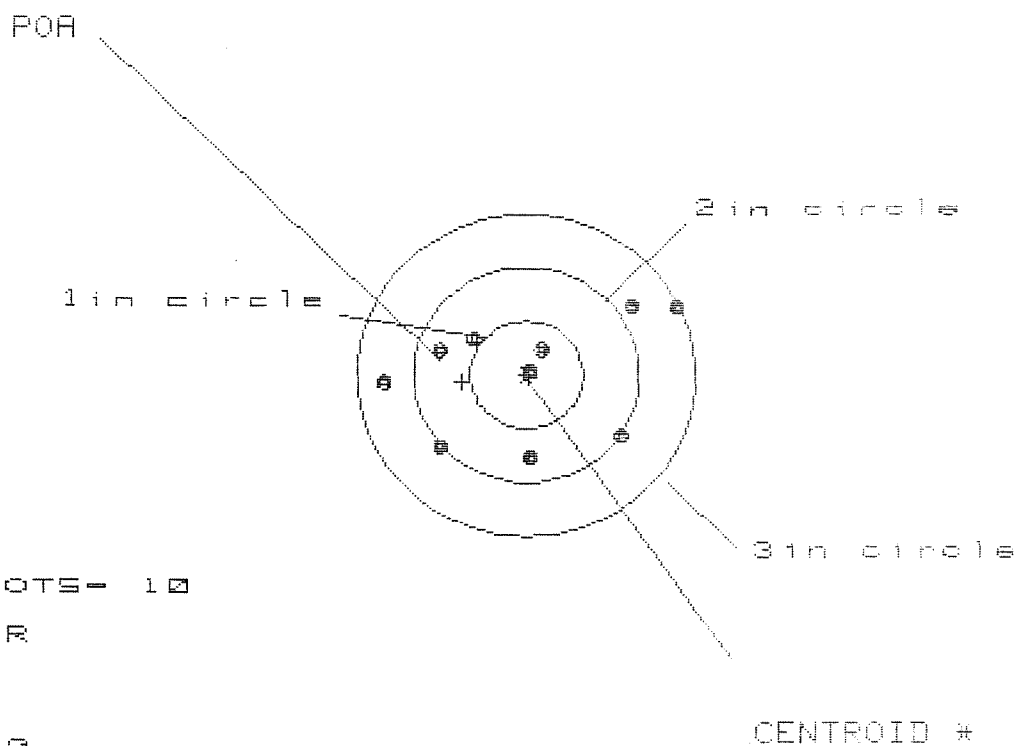
GS- 2.366

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.859	.827	.762
MINIMUM X	:	-.738	-.770	-.835
MAXIMUM Y	:	1.186	.894	.780
MINIMUM Y	:	-1.096	-.965	-1.079
CENTROID X	:	.237	.269	.334
CENTROID Y	:	.582	.451	.565
POA TO CENTROID in.	:	.629	.525	.657
MIN RADIUS	:	.366	.347	.443
MEAN RADIUS	:	.878	.840	.806
MAX RADIUS	:	1.220	1.218	1.106
HORIZONTAL SPREAD	:	1.597	1.597	1.597
VERTICAL SPREAD	:	2.282	1.859	1.859
EXTREME SPREAD	:	2.366	2.258	1.997
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

16 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348730

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.577

VS= 1.418

GS= 2.667

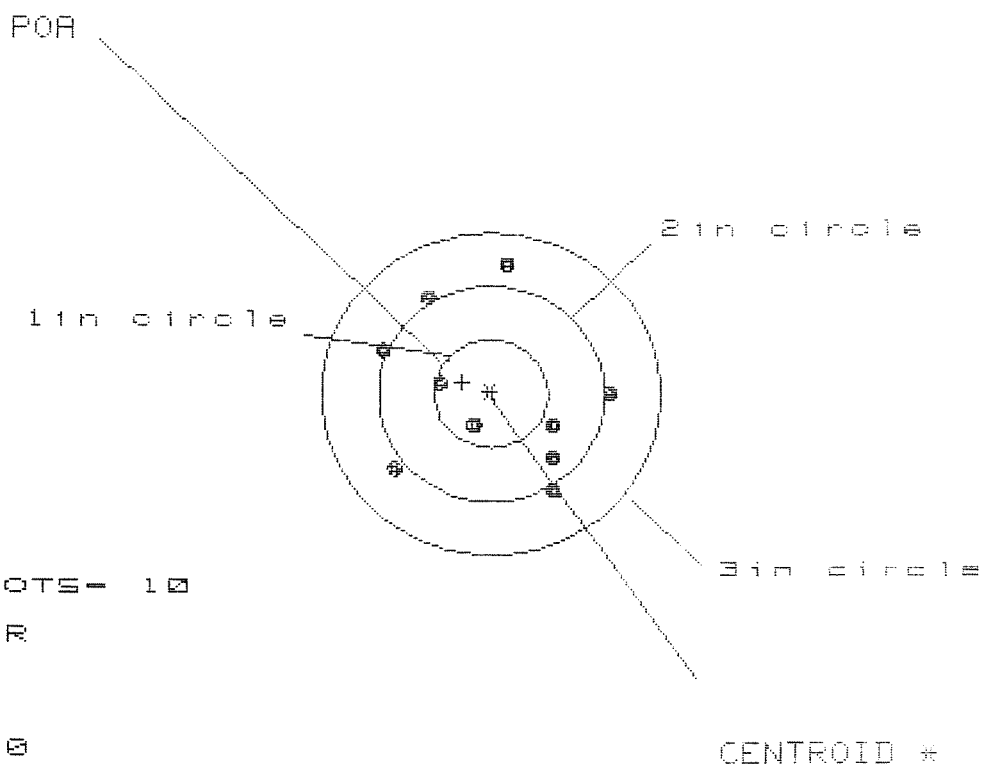
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.324	1.067	.929
MINIMUM X	:	-1.253	-1.106	-.771
MAXIMUM Y	:	.651	.718	.714
MINIMUM Y	:	-.766	-.700	-.704
CENTROID X	:	.566	.419	.557
CENTROID Y	:	.065	-.001	.003
POA TO CENTROID in.	:	.570	.419	.557
MIN RADIUS	:	.022	.160	.081
MEAN RADIUS	:	.833	.766	.712
MAX RADIUS	:	1.452	1.286	1.172
HORIZONTAL SPREAD	:	2.577	2.173	1.700
VERTICAL SPREAD	:	1.418	1.418	1.418
EXTREME SPREAD	:	2.667	2.297	2.149
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

16 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348730

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 10

HS= 1.957

VS= 2.062

GS= 2.149

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.040	1.061	.960
MINIMUM X	:	-.917	-.896	-.996
MAXIMUM Y	:	1.218	1.036	.969
MINIMUM Y	:	-.844	-.709	-.776
CENTROID X	:	.255	.234	.334
CENTROID Y	:	-.107	-.242	-.174
POA TO CENTROID in.	:	.277	.337	.377
MIN RADIUS	:	.325	.202	.321
MEAN RADIUS	:	.869	.806	.788
MAX RADIUS	:	1.232	1.158	1.148
HORIZONTAL SPREAD	:	1.957	1.957	1.957
VERTICAL SPREAD	:	2.062	1.745	1.745
EXTREME SPREAD	:	2.149	2.077	2.077
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	10		

16 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06346730

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 4

3 in = 10

HS= 2.003

VS= 2.567

GS= 2.851

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.971	.921	1.015
MINIMUM X	:	-1.033	-1.082	-1.988
MAXIMUM Y	:	1.148	.990	.966
MINIMUM Y	:	-1.419	-1.056	-1.932
CENTROID X	:	.495	.544	.450
CENTROID Y	:	-.033	.125	.001
POA TO CENTROID in.	:	.496	.558	.450
MIN RADIUS	:	.229	.349	.243
MEAN RADIUS	:	.925	.869	.794
MAX RADIUS	:	1.486	1.397	1.242
HORIZONTAL SPREAD	:	2.003	2.003	2.003
VERTICAL SPREAD	:	2.567	2.046	1.898
EXTREME SPREAD	:	2.851	2.638	2.387
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

16 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348730

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 8

3 in = 9

HS = 3.0008

VS = 1.553

GS = 3.173

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.638	.571	.422
MINIMUM X	:	-1.370	-1.188	-.489
MAXIMUM Y	:	.802	.867	.824
MINIMUM Y	:	-.751	-.686	-.729
CENTROID X	:	.054	-.128	.020
CENTROID Y	:	.059	-.006	.037
POA TO CENTROID in.	:	.080	.128	.043
MIN RADIUS	:	.488	.393	.481
MEAN RADIUS	:	.877	.761	.696
MAX RADIUS	:	1.742	1.239	.928
HORIZONTAL SPREAD	:	3.008	1.759	.912
VERTICAL SPREAD	:	1.553	1.553	1.553
EXTREME SPREAD	:	3.173	2.075	1.674
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	



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



Remington®

SERIAL NO.
C6348730

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MODEL 700™ H24

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