

C6225138

MODEL 700™ M24

Model **SMS**™

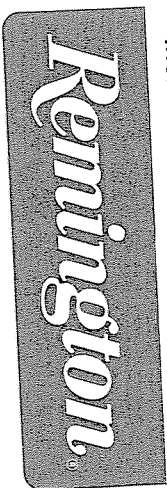
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Serial Number: C6225138
Model: 700

RE00049188

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225138.___0
FILE DATE AND TIME: 08/01/2002 13:43

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

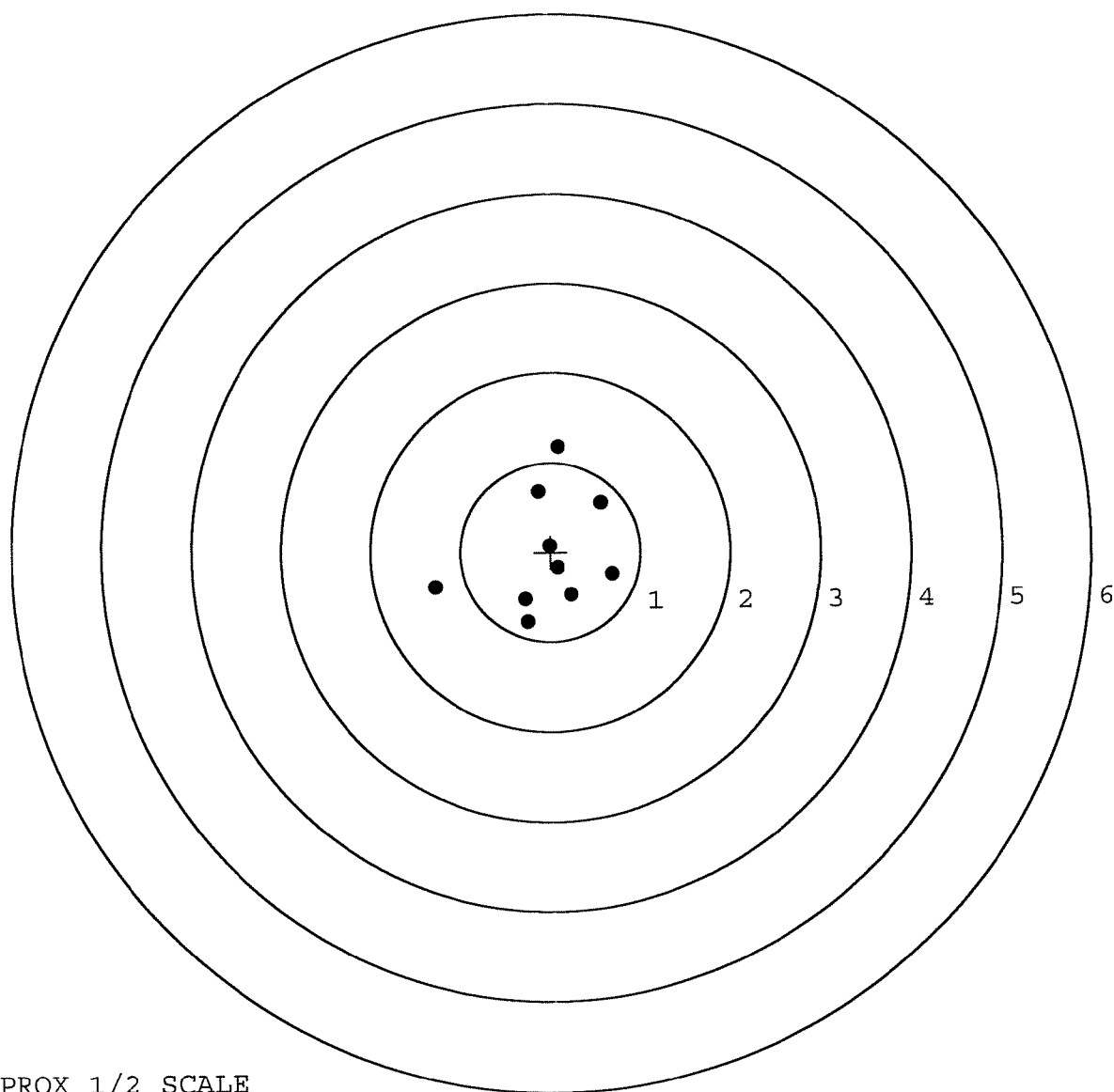
The Average X Centroid of the Five Target Set:	-0.047
The Average Y Centroid of the Five Target Set:	-0.113
The Average Point of Impact of the Five Target Set:	0.122
The Average Mean Radius of the Five Target Set:	0.845
The Distance from POA to Centroid Target #1:	0.223
The Distance from Centroid Target #2 to Centroid Target #1:	0.210
The Distance from Centroid Target #3 to Centroid Target #1:	0.228
The Distance from Centroid Target #4 to Centroid Target #1:	0.210
The Distance from Centroid Target #5 to Centroid Target #1:	0.133

SERIAL NUMBER: C6225138. __0
TARGET NUMBER: 2
FILE DATE: 08/01/2002
FILE TIME: 13:43

X CENTROID: -0.034
Y CENTROID: -0.014
POA TO CENTROID: 0.037
HORZ SPREAD: 1.962
VERT SPREAD: 1.963
GROUP SPREAD: 2.082
MIN RADIUS: 0.086
MAX RADIUS: 1.301
MEAN RADIUS: 0.697

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.280	-0.391
2:	-0.138	0.675
3:	0.088	1.178
4:	0.564	0.549
5:	-0.016	0.070
6:	0.682	-0.248
7:	0.232	-0.481
8:	-0.287	-0.532
9:	-0.266	-0.785
10:	0.078	-0.175

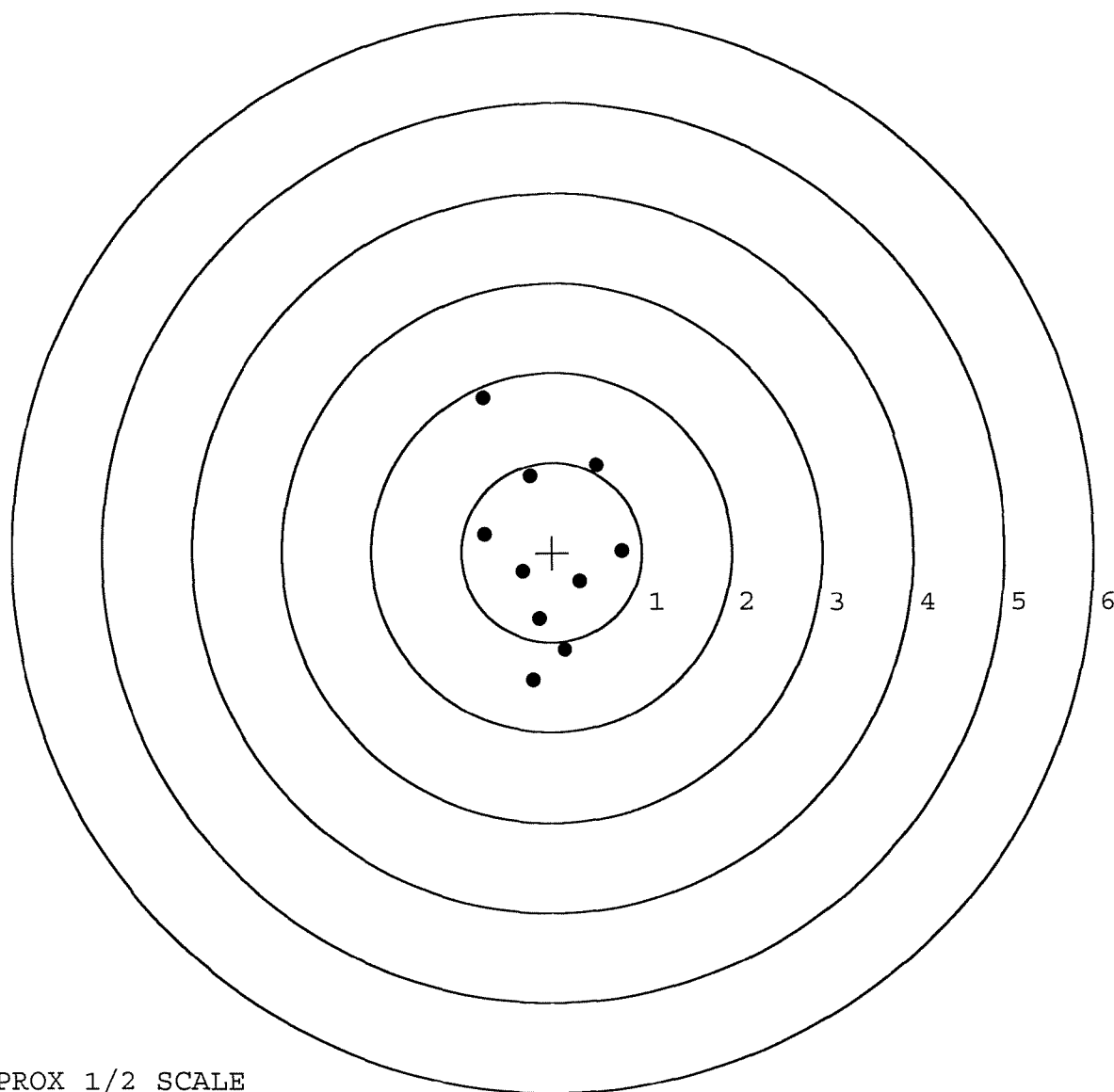


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225138. __0
TARGET NUMBER: 3
FILE DATE: 08/01/2002
FILE TIME: 13:43

X CENTROID: -0.071
Y CENTROID: -0.002
POA TO CENTROID: 0.071
HORZ SPREAD: 1.545
VERT SPREAD: 3.141
GROUP SPREAD: 3.190
MIN RADIUS: 0.333
MAX RADIUS: 1.855
MEAN RADIUS: 0.951
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.766	1.718
2:	0.498	0.969
3:	-0.248	0.850
4:	0.779	0.021
5:	-0.743	0.206
6:	-0.332	-0.209
7:	0.312	-0.326
8:	-0.140	-0.741
9:	0.140	-1.087
10:	-0.209	-1.423



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225138. __0

TARGET NUMBER: 4

FILE DATE: 08/01/2002

FILE TIME: 13:43

X CENTROID: -0.007

Y CENTROID: -0.012

POA TO CENTROID: 0.014

HORZ SPREAD: 1.824

VERT SPREAD: 1.660

GROUP SPREAD: 2.010

MIN RADIUS: 0.210

MAX RADIUS: 1.283

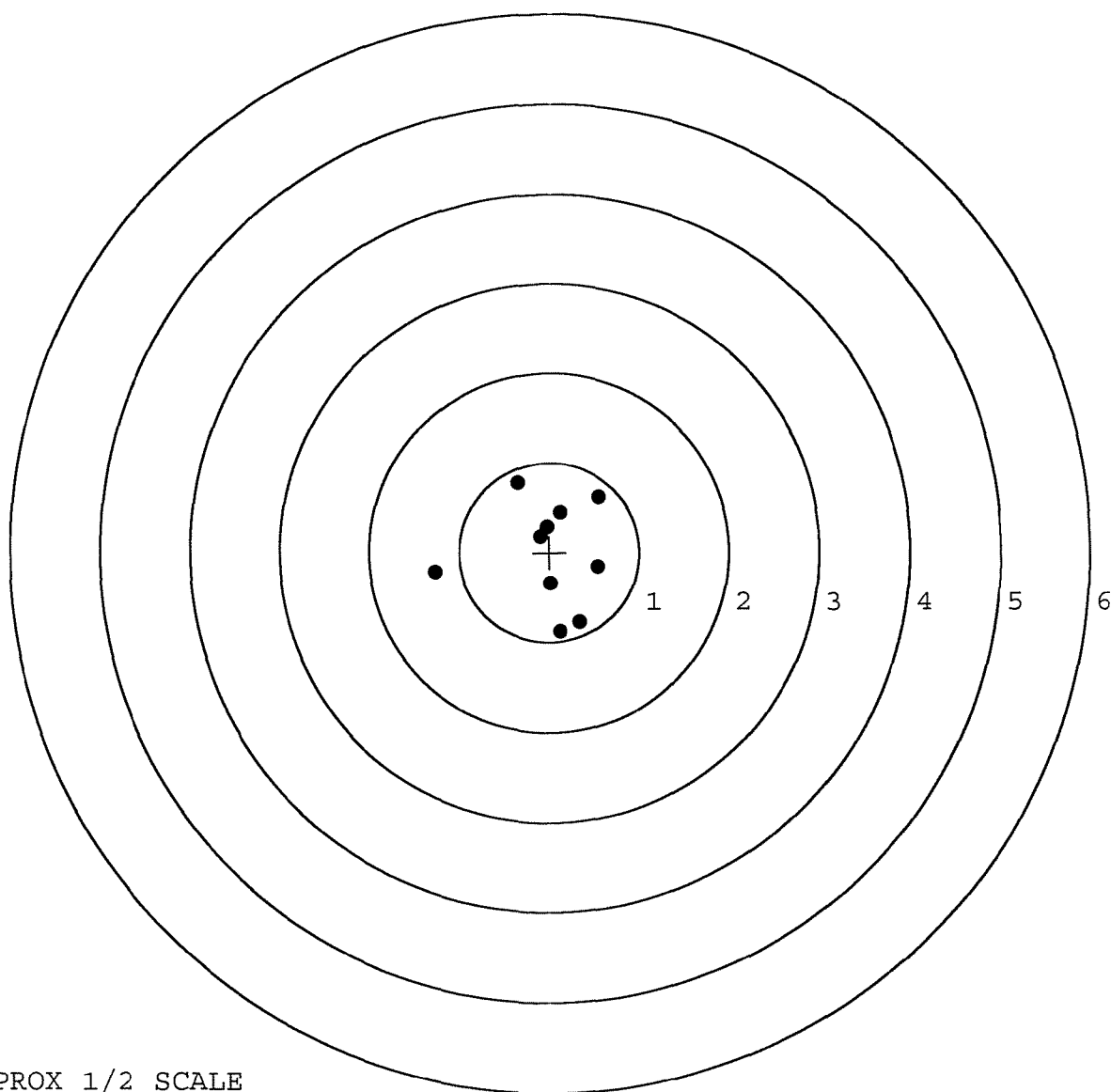
MEAN RADIUS: 0.660

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.123	-0.889
2:	0.340	-0.783
3:	0.011	-0.352
4:	0.541	-0.161
5:	-1.272	-0.227
6:	-0.101	0.176
7:	0.126	0.444
8:	0.552	0.617
9:	-0.358	0.771
10:	-0.033	0.282

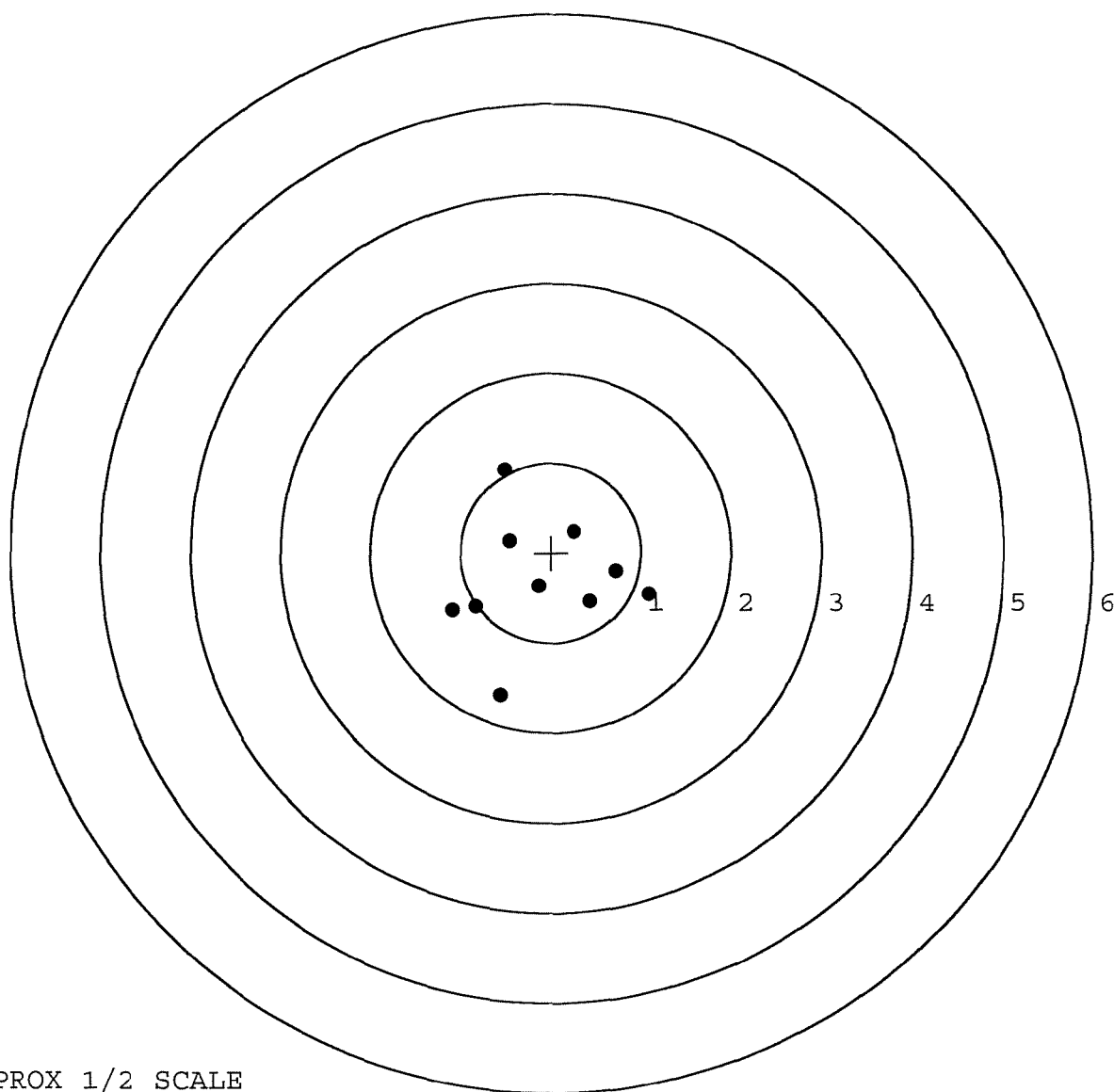


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225138.___0
TARGET NUMBER: 5
FILE DATE: 08/01/2002
FILE TIME: 13:43

X CENTROID: -0.109
Y CENTROID: -0.313
POA TO CENTROID: 0.332
HORZ SPREAD: 2.187
VERT SPREAD: 2.506
GROUP SPREAD: 2.506
MIN RADIUS: 0.068
MAX RADIUS: 1.345
MEAN RADIUS: 0.840
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.520	0.925
2:	-0.466	0.128
3:	0.258	0.231
4:	-1.097	-0.646
5:	-0.827	-0.604
6:	-0.559	-1.581
7:	-0.135	-0.376
8:	1.090	-0.462
9:	0.726	-0.202
10:	0.438	-0.544



TARGET APPROX 1/2 SCALE

Final Inspection

In. C622 5138

DATE REC'D: 7/12/02

DATE RET'D: 8/2/02

WRITER: 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: _____

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

Q

R & E NUMBER	49188		
SERIAL NUMBER	C6225138		
LOG-IN DATE	7/12/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2/16/02	RL
560 A	RE-BARREL	7/16/02	DA
B	DRILL AND TAP	7-17-02	AC
575	ASSEMBLE	7/19/02	RL
600	PROOF	7-20-02	AC
605	CHECK HEADSPACE	7/22/02	RL
610	DIS-ASSEMBLE GUN	7/22/02	RL
612	MAGNAFLUX	MAGNA-FLUX INSPECTED	
615	ROLLMARK CALIBER	7/23/02	TD
618	ROTO-BLAST	7/25/02	NO
620	APPLY COATINGS	7-26	TA
625 A	FINAL ASSEMBLY	7-30-02	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	7-31-02	A
655	FINAL INSPECT	8-2-02	DA
660	PACK	8-2-02	DA
		SHIP DATE	
QAR INSPECTION DATE			

Remington ®		DUPONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		SERIAL NO. C6225138	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		01	
 5716 C6225138			



M-24

SCOPE 0059

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225138

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		4/14/89	BS
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	JB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/4/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/4/89	RW
	C) Inspect Ejector Hole for Chamfer		5/4/89	RW
	D) Oil Firing Pin Ass'y		5/4/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/9/89	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			5/9/89	JV
	G) Safety Off Force	3	3	3			5/9/89	JV
	H) Trigger Pull Test & Retainability						5/9/89	WAB
	I) Firing Pin Indent	.020	.020	.020			5/9/89	JV
	J) Assemble Stock						5/10/89	RW
	K) Assemble Swivel Studs						16 May 89	JS
	L) Attach Front and Rear Sight Assemblies						5/10/89	RW
	M) Iron Sight Alignment						5/10/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/10/89	RW
	O) Attach Scope to Rifle						5/10/89	JV
	P) Detach & Attach Scope 20 Times						5/10/89	JV
640	Gallery Target & Test	56 R	76 L				5/10/89	DH
	A) Time						5/10/89	DH
	B) Malfunctions						5/10/89	DH
	C) Pierced Primers						5/10/89	DH
	D) Optical Clarity of Scope						5/10/89	DH
645	Inspect for Live Ammo						5/10/89	DH
655	Final Inspection							
	A) Headspace						16 May 89	JS
	B) Trigger Pull	2.43	2.43	2.42	2.38	2.45	16 May 89	JS
	C) Function						16 May 89	JS
660	Pack						27 May 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6725138

DATE 5/9/89

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.22	2.37	2.43	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.17	2.23	2.43	
PULL #3	2.50	2.23	2.33	2.42	
PULL #4	2.44	2.26	2.31	2.38	
PULL #5	2.27	2.26	2.13	2.45	
TOTAL	11.99	11.14	11.37	12.11	
AVG.	2.40	2.23	2.27	2.422	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.49		
PULL #2	3.35	3.42		
PULL #3	3.40	3.35		
PULL #4	3.35	3.46		
PULL #5	3.44	3.54		
TOTAL	16.97	17.26		
AVG.	3.40	3.45		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.58	4.02		4.29
PULL #2	4.30	4.02		4.19
PULL #3	4.25	4.10		4.19
PULL #4	4.17	3.98		4.08
PULL #5	4.20	4.19		4.15
TOTAL	21.50	20.31		20.90
AVG.	4.30	4.06		4.18

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225138
15 May 1989

CENTROIDAL DISTANCES

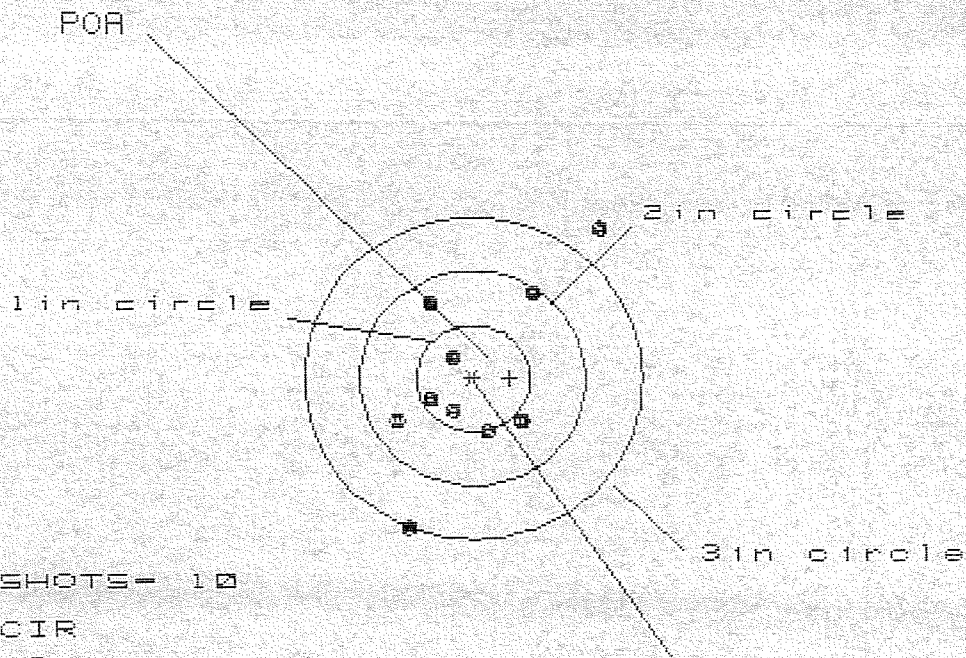
0 TO 1	.326055
1 TO 2	.507622
1 TO 3	.0489183
1 TO 4	.0670075
1 TO 5	.362019

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FILE:/PATTERNING/CENTERFIRE_PATT/C6225138

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS= 1.751

VS= 2.838

GS= 3.282

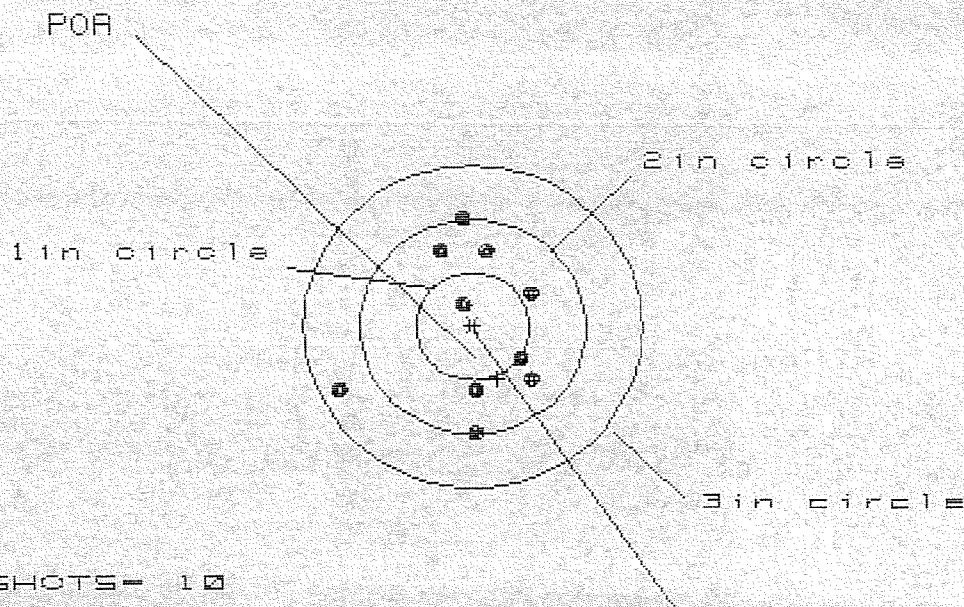
CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.123	.664	.613
MINIMUM X	-.628	-.503	-.553
MAXIMUM Y	1.446	.999	.845
MINIMUM Y	-1.392	-1.231	-.505
CENTROID X	-.326	-.451	-.400
CENTROID Y	-.006	-.167	-.013
POA TO CENTROID in.	.326	.481	.401
MIN RADIUS	.259	.145	.224
MEAN RADIUS	.792	.632	.563
MAX RADIUS	1.831	1.295	1.044
HORIZONTAL SPREAD	1.751	1.167	1.167
VERTICAL SPREAD	2.838	2.230	1.350
EXTREME SPREAD	3.282	2.471	1.669
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.765

VS= 2.094

GS= 2.103

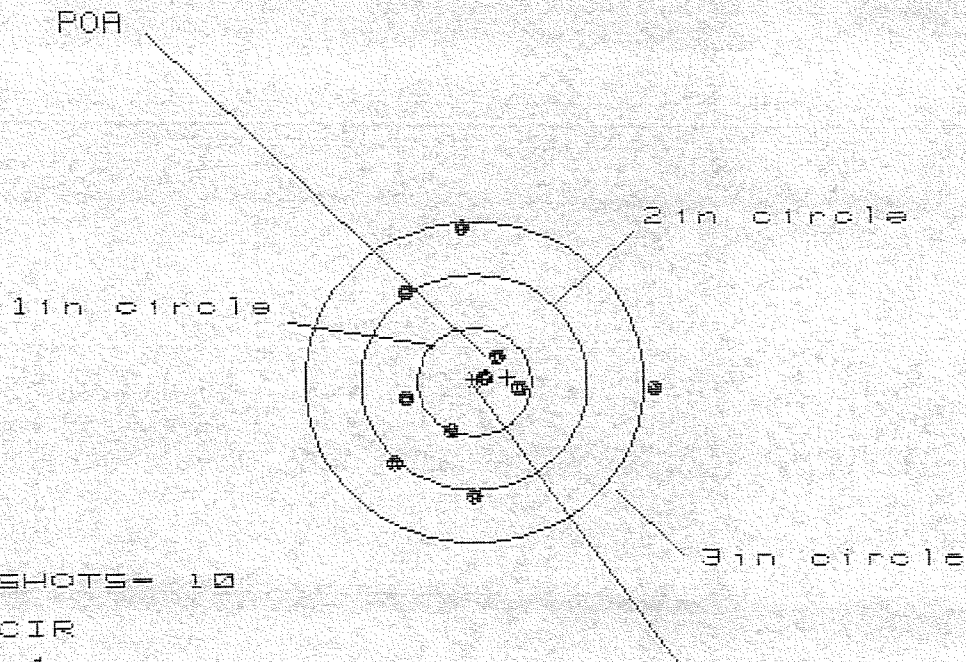
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.544	.408	.376
MINIMUM X	:	-1.221	-.390	-.422
MAXIMUM Y	:	1.055	.992	.749
MINIMUM Y	:	-1.038	-1.102	-.978
CENTROID X	:	-.218	-.082	-.050
CENTROID Y	:	.490	.553	.429
POA TO CENTROID in.	:	.536	.559	.432
MIN RADIUS	:	.203	.257	.315
MEAN RADIUS	:	.743	.657	.603
MAX RADIUS	:	1.348	1.104	.983
HORIZONTAL SPREAD	:	1.765	.798	.798
VERTICAL SPREAD	:	2.094	2.094	1.727
EXTREME SPREAD	:	2.103	2.103	1.749
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 4

2in = 5

3in = 9

HS= 2.316

VS= 2.575

GS= 2.578

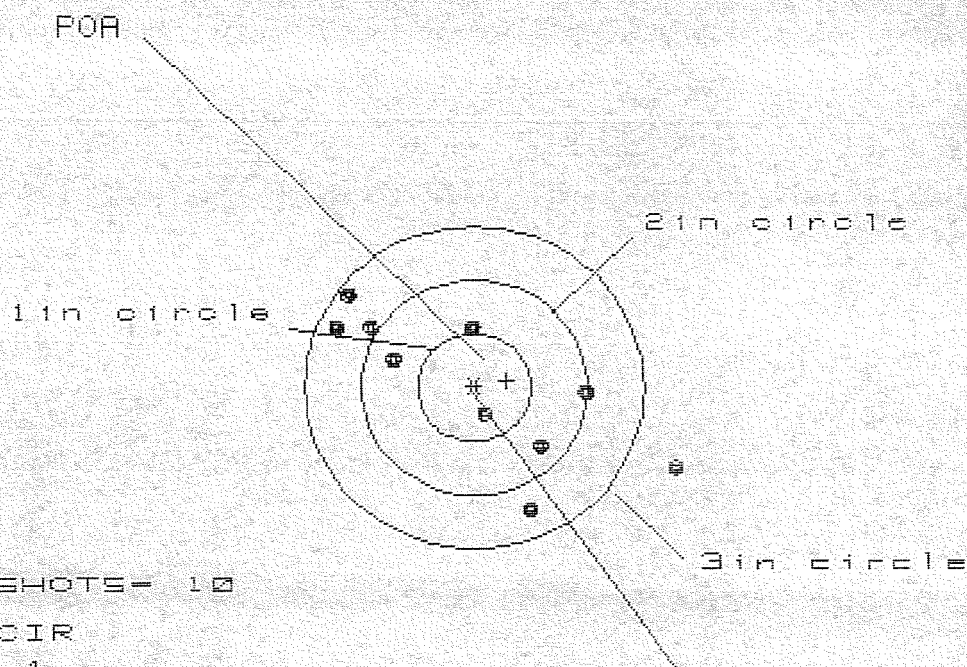
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.622	.595	.599
MINIMUM X	:	-.694	-.514	-.510
MAXIMUM Y	:	1.471	1.465	1.025
MINIMUM Y	:	-1.104	-1.110	-.927
CENTROID X	:	-.294	-.474	-.478
CENTROID Y	:	-.043	-.037	-.220
POA TO CENTROID in.	:	.297	.475	.526
MIN RADIUS	:	.073	.250	.285
MEAN RADIUS	:	.829	.749	.635
MAX RADIUS	:	1.623	1.465	1.127
HORIZONTAL SPREAD	:	2.316	1.109	1.109
VERTICAL SPREAD	:	2.575	2.575	1.952
EXTREME SPREAD	:	2.578	2.578	2.051
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	

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FILE:/PATTERNING/CENTERFIRE_PATT/08225138

CENTERFIRE PATTERNS # 4



HS= 3.039

VS= 2.025

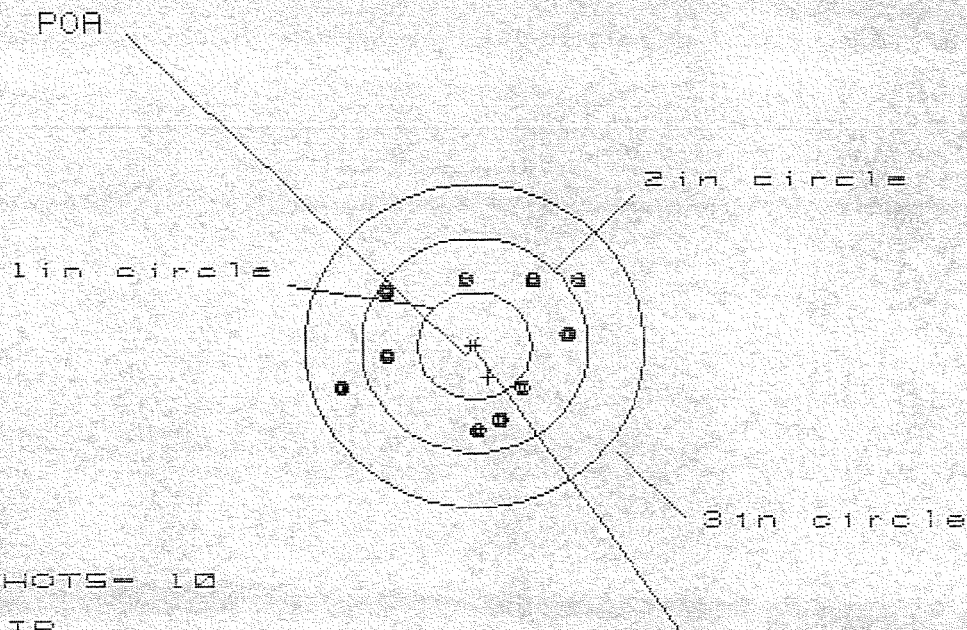
GS= 3.374

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.802	1.153	1.033
MINIMUM X	:	-1.237	-1.037	-1.157
MAXIMUM Y	:	.905	.826	.587
MINIMUM Y	:	-1.120	-1.199	-1.096
CENTROID X	:	-.285	-.485	-.365
CENTROID Y	:	-.059	.020	-.083
POA TO CENTROID in.	:	.291	.485	.375
MIN RADIUS	:	.299	.474	.318
MEAN RADIUS	:	1.039	.924	.873
MAX RADIUS	:	1.939	1.374	1.280
HORIZONTAL SPREAD	:	3.039	2.190	2.190
VERTICAL SPREAD	:	2.025	2.025	1.683
EXTREME SPREAD	:	3.374	2.598	2.371
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 8

3 in = 10

HS= 2.179

VS= 1.440

GS= 2.398

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.957	.821	.787
MINIMUM X	:	-1.222	-.966	-.863
MAXIMUM Y	:	.607	.562	.630
MINIMUM Y	:	-.833	-.878	-.810
CENTROID X	:	-.119	.017	-.086
CENTROID Y	:	.291	.336	.268
POA TO CENTROID in.	:	.314	.337	.282
MIN RADIUS	:	.553	.502	.514
MEAN RADIUS	:	.842	.777	.748
MAX RADIUS	:	1.289	1.051	.988
HORIZONTAL SPREAD	:	2.179	1.787	1.650
VERTICAL SPREAD	:	1.440	1.440	1.440
EXTREME SPREAD	:	2.398	1.853	1.688
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	