

C6225503

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225503.___0
FILE DATE AND TIME: 08/06/2002 13:52

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.053
The Average Y Centroid of the Five Target Set:	-0.072
The Average Point of Impact of the Five Target Set:	0.089
The Average Mean Radius of the Five Target Set:	0.510
The Distance from POA to Centroid Target #1:	0.206
The Distance from Centroid Target #2 to Centroid Target #1:	0.287
The Distance from Centroid Target #3 to Centroid Target #1:	0.321
The Distance from Centroid Target #4 to Centroid Target #1:	0.133
The Distance from Centroid Target #5 to Centroid Target #1:	0.178

SERIAL NUMBER: C6225503. 0

TARGET NUMBER: 1

FILE DATE: 08/06/2002

FILE TIME: 13:52

X CENTROID: 0.065

Y CENTROID: -0.195

POA TO CENTROID: 0.206

HORZ SPREAD: 2.347

VERT SPREAD: 1.737

GROUP SPREAD: 2.411

MIN RADIUS: 0.141

MAX RADIUS: 1.465

MEAN RADIUS: 0.606

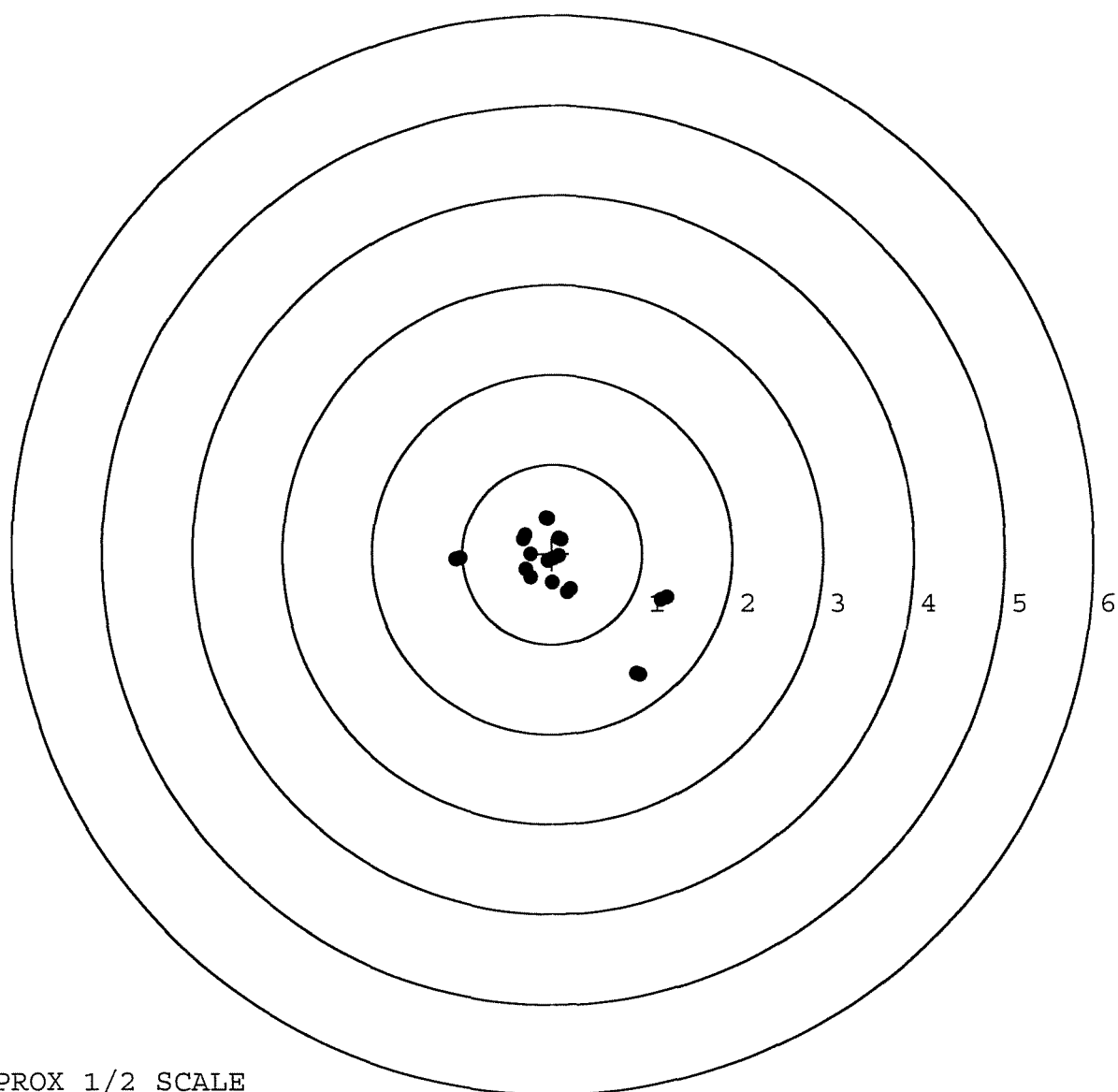
IN 1 IN DIAMETER: 11

IN 2 IN DIAMETER: 15

in 3 IN DIAMETER: 21

POINT#	X	Y
1:	-0.937	-1.331
2:	1.275	-0.493
3:	0.172	-0.431
4:	-1.022	-0.058
5:	-0.079	0.395
6:	0.078	0.173
7:	-0.301	0.208
8:	-0.243	-0.008
9:	-0.243	-0.265
10:	-0.047	-0.082
11:	0.017	-0.059
12:	1.210	-0.514
13:	0.976	-1.342
14:	-1.072	-0.070

POINT#	X	Y
15:	0.203	-0.399
16:	-0.060	0.389
17:	0.106	0.154
18:	-0.321	0.165
19:	-0.299	-0.175
20:	0.076	-0.031
21:	0.003	-0.322



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225503. __0

TARGET NUMBER: 2

FILE DATE: 08/06/2002

FILE TIME: 13:52

X CENTROID: -0.083

Y CENTROID: 0.051

POA TO CENTROID: 0.097

HORZ SPREAD: 1.322

VERT SPREAD: 0.968

GROUP SPREAD: 1.520

MIN RADIUS: 0.126

MAX RADIUS: 0.849

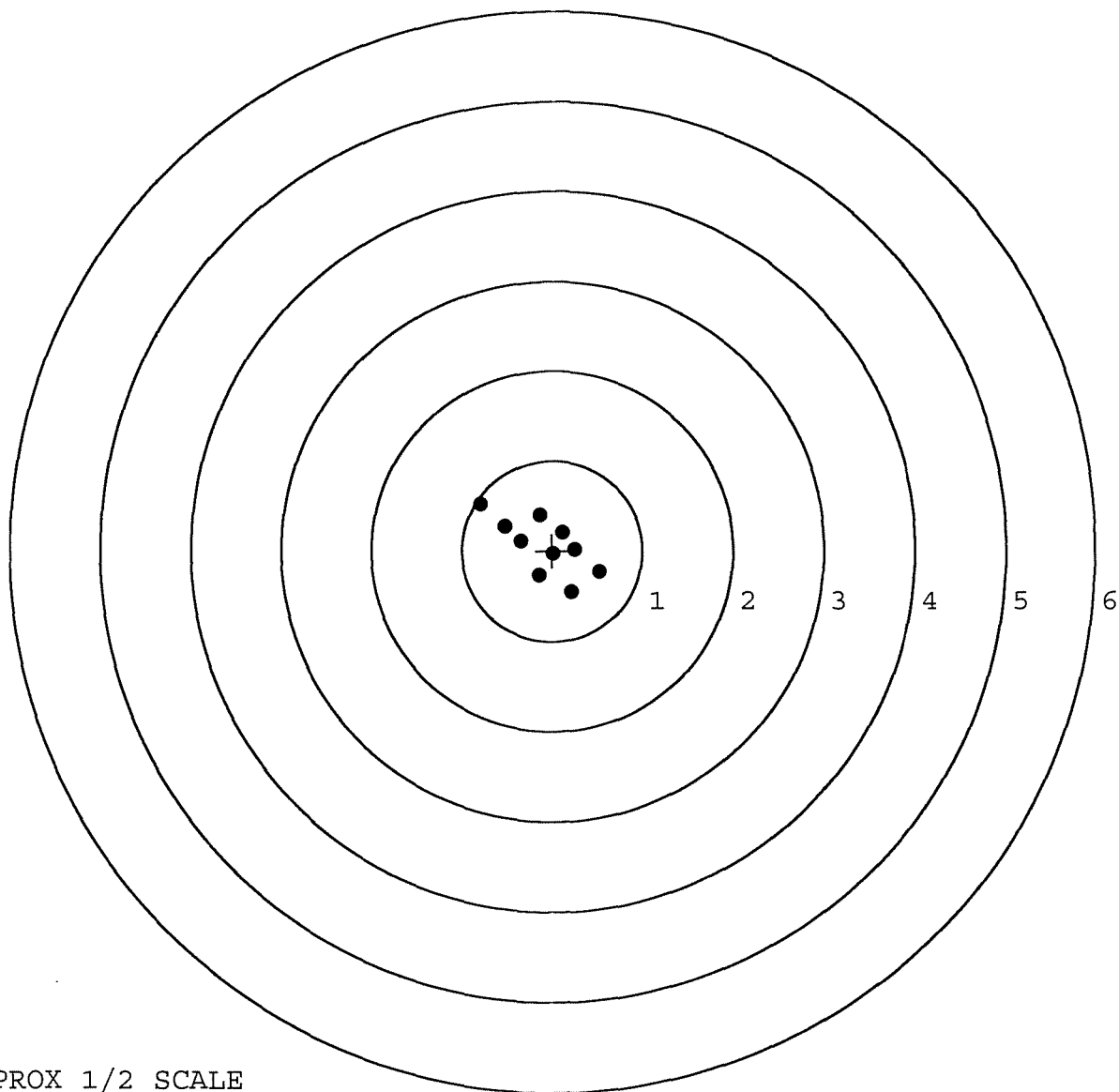
MEAN RADIUS: 0.428

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

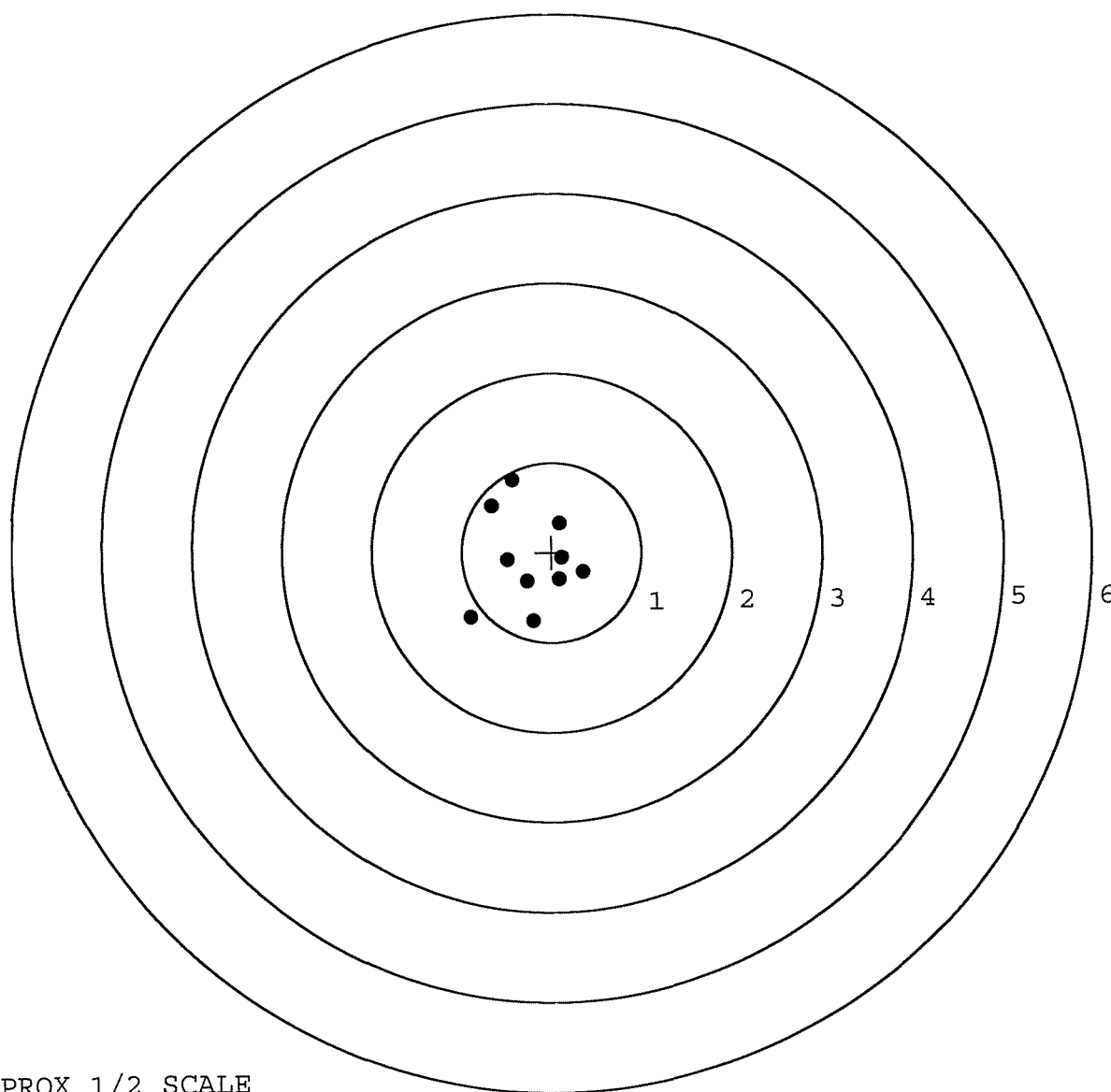
POINT#	X	Y
1:	-0.794	0.514
2:	0.528	-0.237
3:	0.216	-0.454
4:	0.252	0.010
5:	-0.140	-0.278
6:	0.115	0.204
7:	-0.351	0.111
8:	-0.525	0.271
9:	-0.142	0.399
10:	0.010	-0.034



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225503. __0
TARGET NUMBER: 3
FILE DATE: 08/06/2002
FILE TIME: 13:52

	POINT#	X	Y
	1:	-0.213	-0.763
	2:	-0.906	-0.718
	3:	-0.658	0.523
	4:	-0.436	0.812
	5:	-0.496	-0.080
	6:	0.087	0.326
	7:	0.352	-0.224
	8:	0.110	-0.062
	9:	-0.278	-0.322
	10:	0.085	-0.306
X CENTROID:		-0.235	
Y CENTROID:		-0.081	
POA TO CENTROID:		0.249	
HORZ SPREAD:		1.258	
VERT SPREAD:		1.575	
GROUP SPREAD:		1.601	
MIN RADIUS:		0.244	
MAX RADIUS:		0.925	
MEAN RADIUS:		0.563	
# IN 1 IN DIAMETER:		4	
# IN 2 IN DIAMETER:		10	
# in 3 IN DIAMETER:		10	



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225503. __0

TARGET NUMBER: 4

FILE DATE: 08/06/2002

FILE TIME: 13:52

X CENTROID: 0.053

Y CENTROID: -0.063

POA TO CENTROID: 0.082

HORZ SPREAD: 1.110

VERT SPREAD: 0.952

GROUP SPREAD: 1.158

MIN RADIUS: 0.080

MAX RADIUS: 0.693

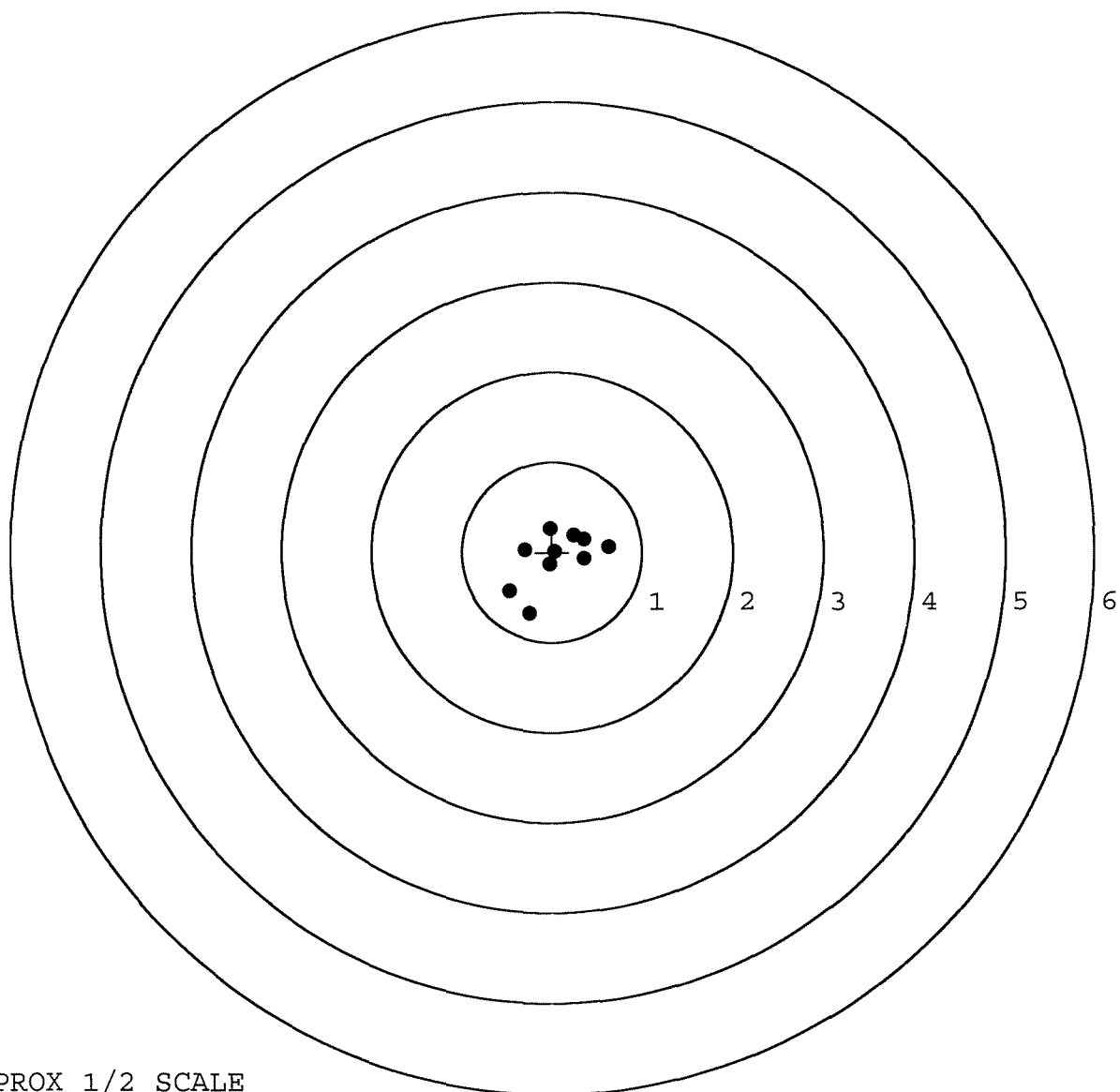
MEAN RADIUS: 0.382

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.249	-0.686
2:	-0.478	-0.437
3:	-0.304	0.030
4:	-0.032	-0.134
5:	0.027	0.013
6:	-0.023	0.266
7:	0.243	0.190
8:	0.632	0.065
9:	0.357	-0.078
10:	0.360	0.143



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225503. 0

TARGET NUMBER: 5

FILE DATE: 08/06/2002

FILE TIME: 13:52

X CENTROID: -0.064

Y CENTROID: -0.072

POA TO CENTROID: 0.096

HORZ SPREAD: 1.528

VERT SPREAD: 1.491

GROUP SPREAD: 1.609

MIN RADIUS: 0.093

MAX RADIUS: 1.062

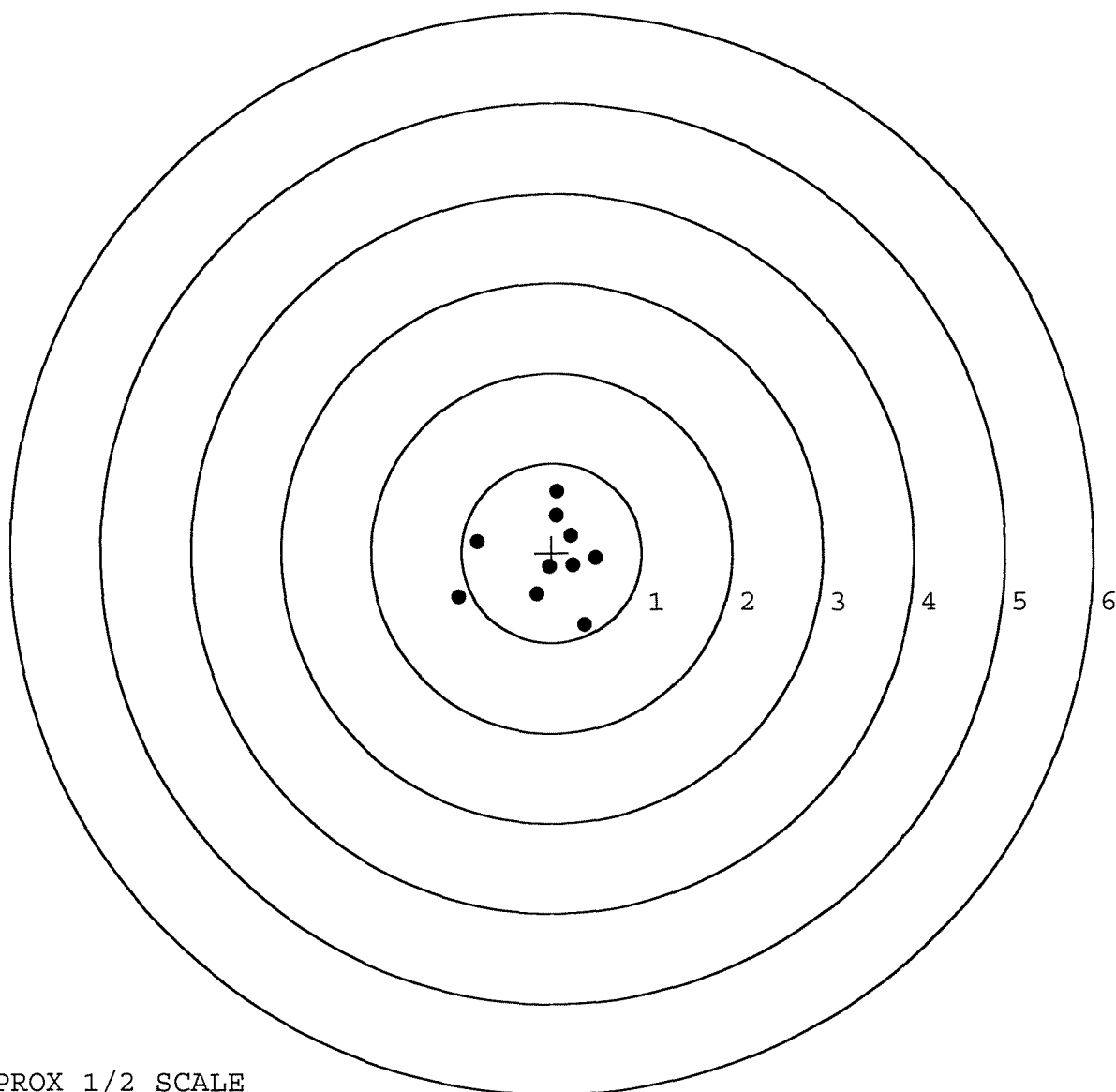
MEAN RADIUS: 0.571

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.372	-0.810
2:	-1.037	-0.498
3:	-0.823	0.124
4:	-0.172	-0.462
5:	-0.028	-0.158
6:	0.058	0.681
7:	0.048	0.417
8:	0.215	0.192
9:	0.491	-0.061
10:	0.236	-0.145



TARGET APPROX 1/2 SCALE

Final Inspection

Sni: C6225503

DATE REC'D: 7/12/02

DATE RET'D: 8/6/02

Auditor: 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

R & E NUMBER	49186		
SERIAL NUMBER	C622, 5503		
LOG-IN DATE	7/11/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/16/02	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	JUL 23 2002 7/23/02	TRW
618	ROTO-BLAST	7/25/02	KO
620	APPLY COATINGS	7-26	TH
625 A	FINAL ASSEMBLY	8-2-02	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	8-5-02	TRW
655	FINAL INSPECT	8/6/02	RL
660	PACK	8/6/02	DA
		SHIP DATE	
	QAR INSPECTION DATE		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225503

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 4	89	RW
600	Proof	4 4	89	RW
607	Check Headspace	4 4	89	RW
610	Dis-assemble Gun	4 4	89	RW
612	Magnaflux Barrel Action	4-6	89	KCR
	Magnaflux Bolt	4-7	89	KCR
615	Rollmark Caliber	4-7	89	G.S.
617	Drill and Tap Sight Holes	4 7	89	JB
618	Polish Barrel	4 7	89	BT
620	Apply Coatings (Barrel Action)		4/19/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/24/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/24/89	RW
	C) Inspect Ejector Hole for Chamfer		4/24/89	RW
	D) Oil Firing Pin Ass'y		4/24/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/26/89	GS.

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			4/26/89	gll
	G) Safety Off Force	3	3	3			4/26/89	gll
	H) Trigger Pull Test & Retainability						4/24/89	S.S.
	I) Firing Pin Indent	.020	.020	.020			4/24/89	gll
	J) Assemble Stock						5/1/89	Rw
	K) Assemble Swivel Studs						16 May 89	gll
	L) Attach Front and Rear Sight Assemblies						5/1/89	Rw
	M) Iron Sight Alignment						5/1/89	Rw
	N) Detach Front & Rear Sights & place in numbered container						5/1/89	Rw
	O) Attach Scope to Rifle						5/1/89	gll
	P) Detach & Attach Scope 20 Times						5/2/89	gll
640	Gallery Target & Test	61 R	92 L				5/3/89	DH
	A) Time						5/3/89	DH
	B) Malfunctions						5/3/89	DH
	C) Pierced Primers						5/3/89	DH
	D) Optical Clarity of Scope						5/3/89	DH
645	Inspect for Live Ammo						5/3/89	DH
655	Final Inspection							
	A) Headspace						16 May 89	gll
	B) Trigger Pull	2.49	2.82	2.78	2.86	2.84	16 May 89	gll
	C) Function						16 May 89	gll
660	Pack						27 June 89	gll

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6225503

DATE 26 April 89

TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.66	2.80	2.49	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.67	2.66	2.82	
PULL #3	2.46	2.64	2.50	2.78	
PULL #4	2.49	2.57	2.63	2.86	
PULL #5	2.38	2.56	2.75	2.84	
TOTAL	12.17	13.10	13.34	13.79	
AVG.	2.434	2.62	2.668	2.758	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.69		
PULL #2	3.46	3.65		
PULL #3	3.63	3.72		
PULL #4	3.68	3.71		
PULL #5	3.61	3.70		
TOTAL	17.88	18.47		
AVG.	3.576	3.694		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.01	3.90		4.20
PULL #2	3.94	4.09		4.07
PULL #3	3.94	3.98		4.02
PULL #4	4.04	4.04		4.15
PULL #5	4.04	3.93		4.16
TOTAL	19.97	19.94		20.60
AVG.	3.994	3.988		4.12

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225503
3 May 1989

CENTROIDAL DISTANCES

0 TO	1	.71129
1 TO	2	.374525
1 TO	3	.631476
1 TO	4	.775539
1 TO	5	.280794

4P3_ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2904
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0966
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .306045
THE AMR FOR THIS RIFLE IS: 1.12

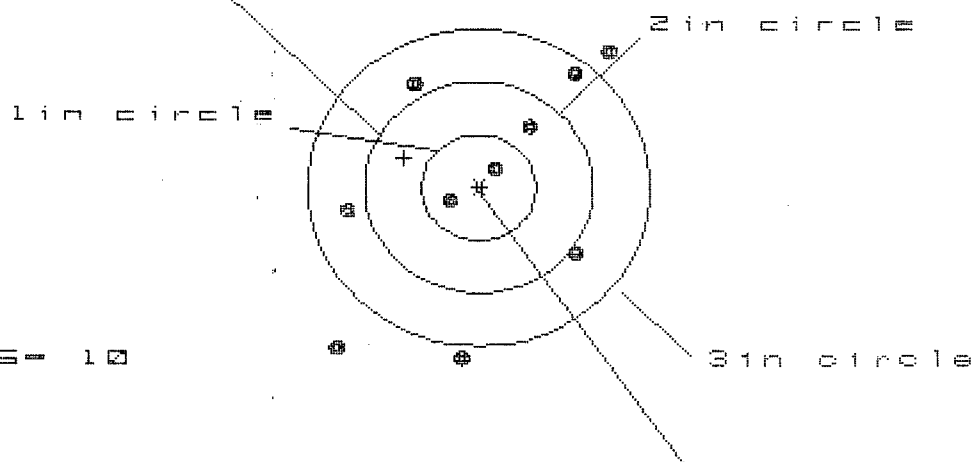
3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225503

CENTERFIRE PATTERNS

1

POA



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 3

3 in = 7

HS= 2.381

VS= 2.933

GS= 3.700

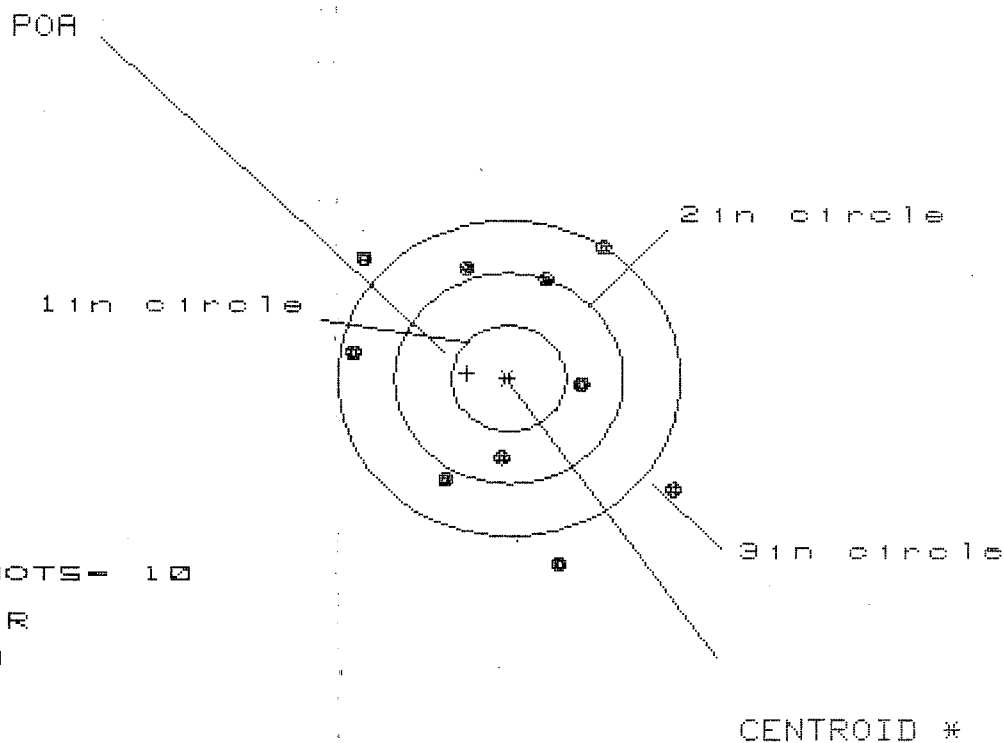
CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.156	1.020	.806
MINIMUM X	-1.225	-1.291	-1.164
MAXIMUM Y	1.325	1.157	1.019
MINIMUM Y	-1.608	-1.776	-1.631
CENTROID X	.653	.789	.662
CENTROID Y	-.282	-.114	-.259
POA TO CENTROID in.	.711	.798	.711
MIN RADIUS	.209	.010	.187
MEAN RADIUS	1.127	1.000	.943
MAX RADIUS	1.942	1.807	1.644
HORIZONTAL SPREAD	2.381	2.311	1.970
VERTICAL SPREAD	2.933	2.933	2.650
EXTREME SPREAD	3.700	3.231	2.837
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225503

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in - 1

2in - 2

3in - 7

HS= 2.776

VS= 2.975

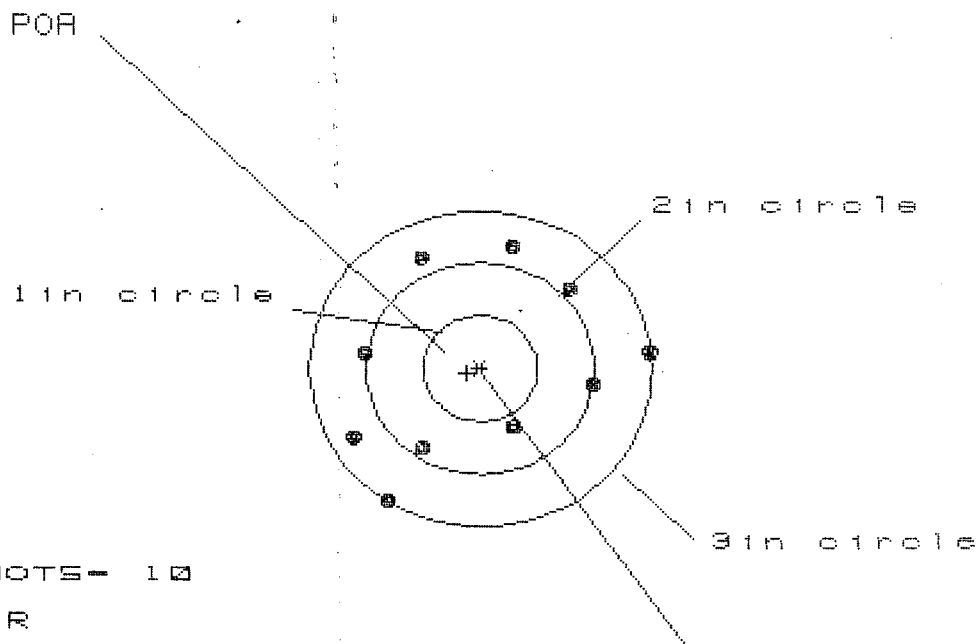
GS= 3.401

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.403	1.455	1.027
MINIMUM X	:	-1.372	-1.321	-1.139
MAXIMUM Y	:	1.224	1.030	.873
MINIMUM Y	:	-1.751	-1.252	-1.350
CENTROID X	:	.363	.312	.130
CENTROID Y	:	-.045	.149	.306
POA TO CENTROID in.	:	.366	.346	.333
MIN RADIUS	:	.596	.686	.672
MEAN RADIUS	:	1.268	1.192	1.082
MAX RADIUS	:	1.811	1.920	1.390
HORIZONTAL SPREAD	:	2.776	2.776	2.166
VERTICAL SPREAD	:	2.975	2.282	2.223
EXTREME SPREAD	:	3.401	3.401	2.604
NUMBER IN ONE INCH CIRCLE =	:	1	0	
NUMBER IN TWO INCH CIRCLE =	:	2	2	
NUMBER IN THREE INCH CIRCLE =	:	7	7	

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C62255B3

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 2

3in = 10

HS= 2.556

VS= 2.407

GS= 2.691

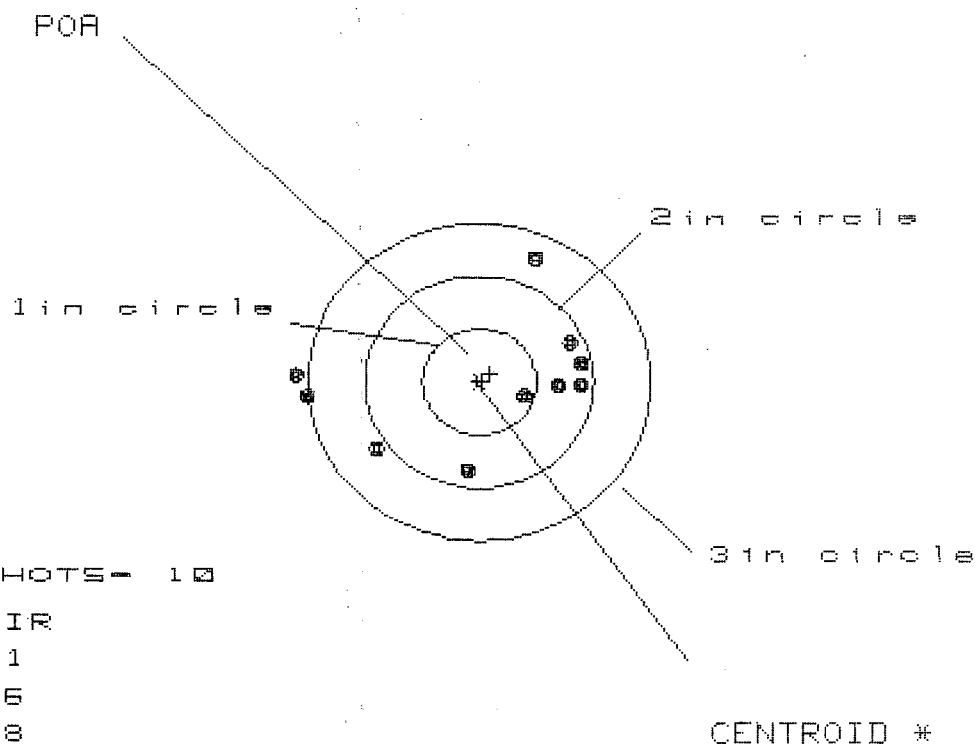
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.470	1.181	1.097
MINIMUM X	:	-1.086	-.923	-1.007
MAXIMUM Y	:	1.200	1.221	1.072
MINIMUM Y	:	-1.207	-1.186	-.916
CENTROID X	:	.114	-.049	.035
CENTROID Y	:	.047	.026	.175
POA TO CENTROID in.	:	.123	.056	.178
MIN RADIUS	:	.654	.721	.804
MEAN RADIUS	:	1.129	1.078	1.040
MAX RADIUS	:	1.481	1.363	1.242
HORIZONTAL SPREAD	:	2.556	2.104	2.104
VERTICAL SPREAD	:	2.407	2.407	1.988
EXTREME SPREAD	:	2.691	2.665	2.314
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		10	

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225583

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 2.589

VS= 1.997

GS= 2.596

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.940	.757	.544
MINIMUM X	:	-1.649	-1.705	-1.349
MAXIMUM Y	:	1.155	1.167	1.155
MINIMUM Y	:	-.843	-.830	-.843
CENTROID X	:	-.093	.090	.303
CENTROID Y	:	-.070	-.083	-.071
POA TO CENTROID in.	:	.117	.123	.311
MIN RADIUS	:	.448	.274	.146
MEAN RADIUS	:	1.023	.890	.700
MAX RADIUS	:	1.653	1.708	1.475
HORIZONTAL SPREAD	:	2.589	2.462	1.893
VERTICAL SPREAD	:	1.997	1.997	1.997
EXTREME SPREAD	:	2.596	2.462	2.274
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225503

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 3.173

VS= 2.653

GS= 3.260

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.796	1.579	1.431
MINIMUM X	:	-1.377	-1.177	-.913
MAXIMUM Y	:	1.229	1.283	.631
MINIMUM Y	:	-1.424	-1.370	-1.210
CENTROID X	:	.415	.215	.362
CENTROID Y	:	-.133	-.187	-.347
POA TO CENTROID in.	:	.436	.285	.502
MIN RADIUS	:	.175	.269	.382
MEAN RADIUS	:	1.053	.963	.860
MAX RADIUS	:	1.859	1.741	1.443
HORIZONTAL SPREAD	:	3.173	2.756	2.344
VERTICAL SPREAD	:	2.653	2.653	1.841
EXTREME SPREAD	:	3.260	3.032	2.608
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

Remington®



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

MODEL 700™ H24

SERIAL NO.
C6225503

ORDER NO.
5716

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

01



5716 C6225503

UPC



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