

C6225563

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington[®]

Serial Number: **C6225563**
Model: **700**



RE00050331

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225563.___0
FILE DATE AND TIME: 08/22/2002 11:45

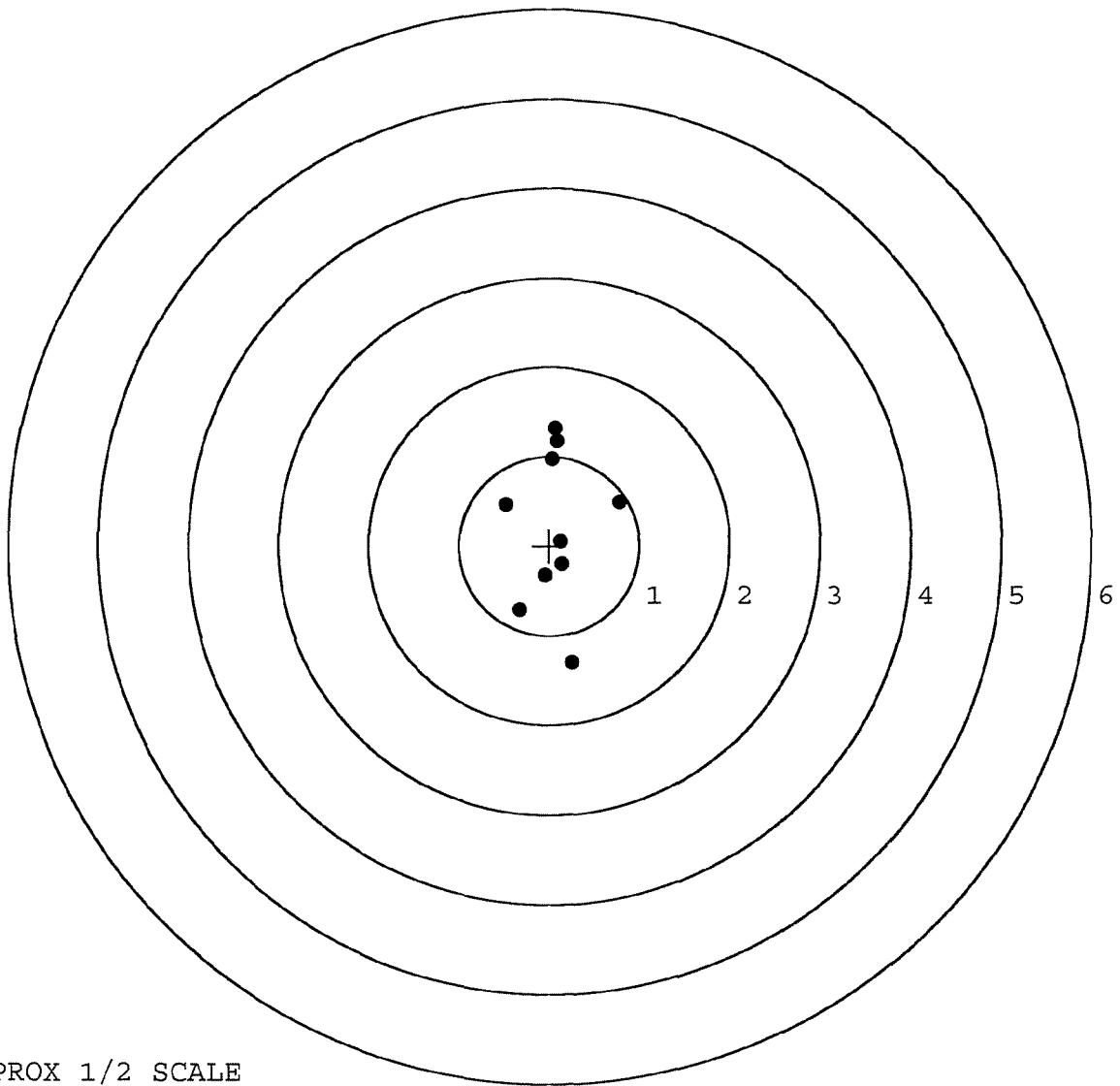
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.011
The Average Y Centroid of the Five Target Set:	0.007
The Average Point of Impact of the Five Target Set:	0.013
The Average Mean Radius of the Five Target Set:	0.583
The Distance from POA to Centroid Target #1:	0.199
The Distance from Centroid Target #2 to Centroid Target #1:	0.307
The Distance from Centroid Target #3 to Centroid Target #1:	0.181
The Distance from Centroid Target #4 to Centroid Target #1:	0.213
The Distance from Centroid Target #5 to Centroid Target #1:	0.271

SERIAL NUMBER: C6225563. __0
TARGET NUMBER: 1
FILE DATE: 08/22/2002
FILE TIME: 11:45

POINT#	X	Y
1:	0.260	-1.301
2:	-0.332	-0.717
3:	0.778	0.487
4:	-0.484	0.462
5:	0.067	1.311
6:	0.093	1.167
7:	0.036	0.970
8:	0.131	0.053
9:	0.146	-0.212
10:	-0.051	-0.338

X CENTROID: 0.064
Y CENTROID: 0.188
POA TO CENTROID: 0.199
HORZ SPREAD: 1.262
VERT SPREAD: 2.612
GROUP SPREAD: 2.619
MIN RADIUS: 0.151
MAX RADIUS: 1.502
MEAN RADIUS: 0.786
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

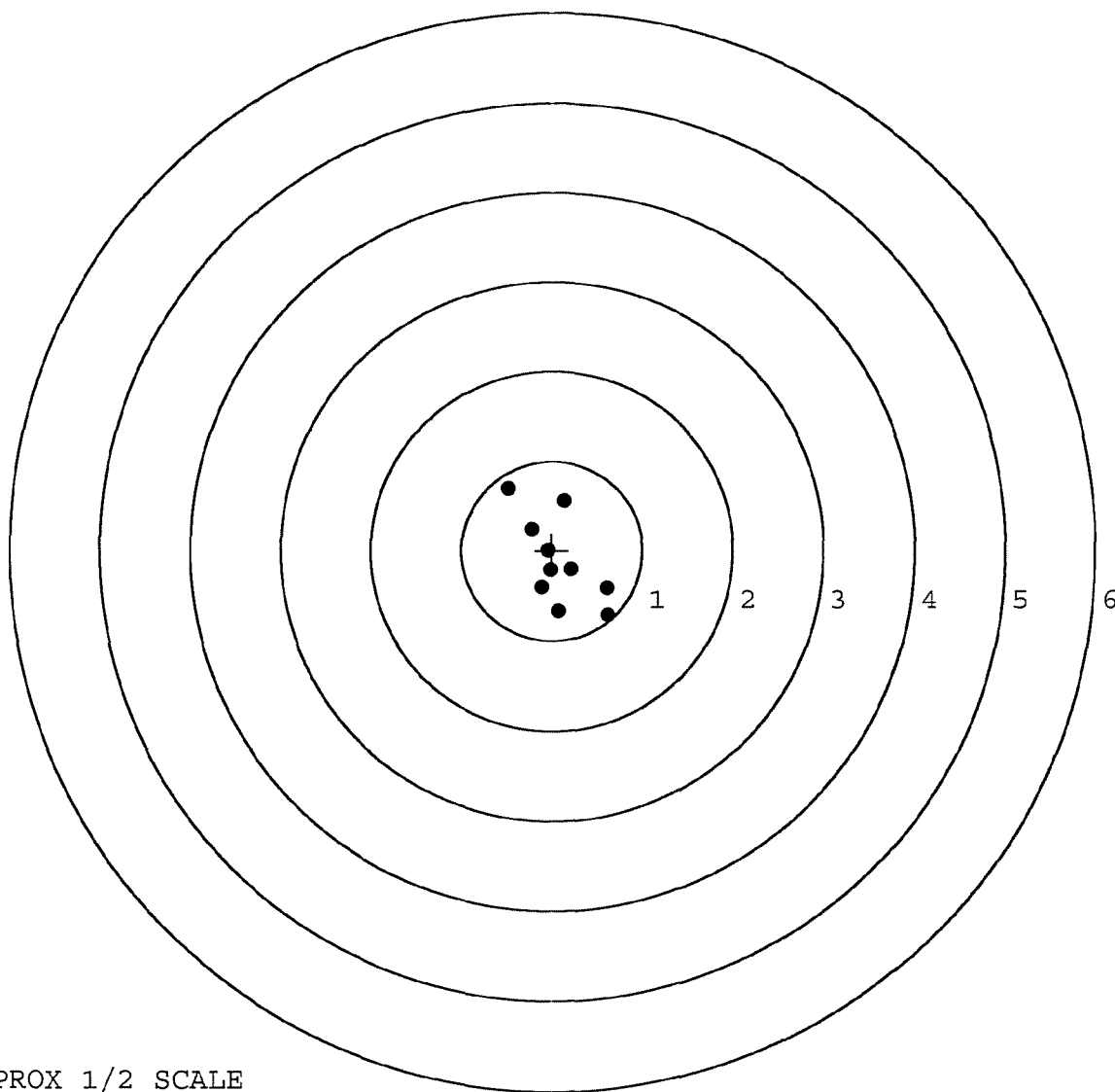


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225563. __0
TARGET NUMBER: 2
FILE DATE: 08/22/2002
FILE TIME: 11:45

POINT#	X	Y
1:	0.616	-0.722
2:	0.607	-0.422
3:	0.069	-0.682
4:	0.135	0.555
5:	-0.481	0.696
6:	-0.231	0.239
7:	-0.043	0.006
8:	0.211	-0.216
9:	-0.016	-0.221
10:	-0.118	-0.418

X CENTROID: 0.075
Y CENTROID: -0.119
POA TO CENTROID: 0.140
HORZ SPREAD: 1.097
VERT SPREAD: 1.418
GROUP SPREAD: 1.793
MIN RADIUS: 0.137
MAX RADIUS: 0.986
MEAN RADIUS: 0.495
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225563.___0

TARGET NUMBER: 3

FILE DATE: 08/22/2002

FILE TIME: 11:45

POINT#	X	Y
1:	0.237	-1.085
2:	-0.158	0.804
3:	0.408	-0.489
4:	0.142	-0.414
5:	0.368	-0.175
6:	-0.295	0.130
7:	-0.100	0.235
8:	-0.320	0.319
9:	-0.109	0.435
10:	-0.385	0.525

X CENTROID: -0.021

Y CENTROID: 0.028

POA TO CENTROID: 0.036

HORZ SPREAD: 0.793

VERT SPREAD: 1.889

GROUP SPREAD: 1.930

MIN RADIUS: 0.221

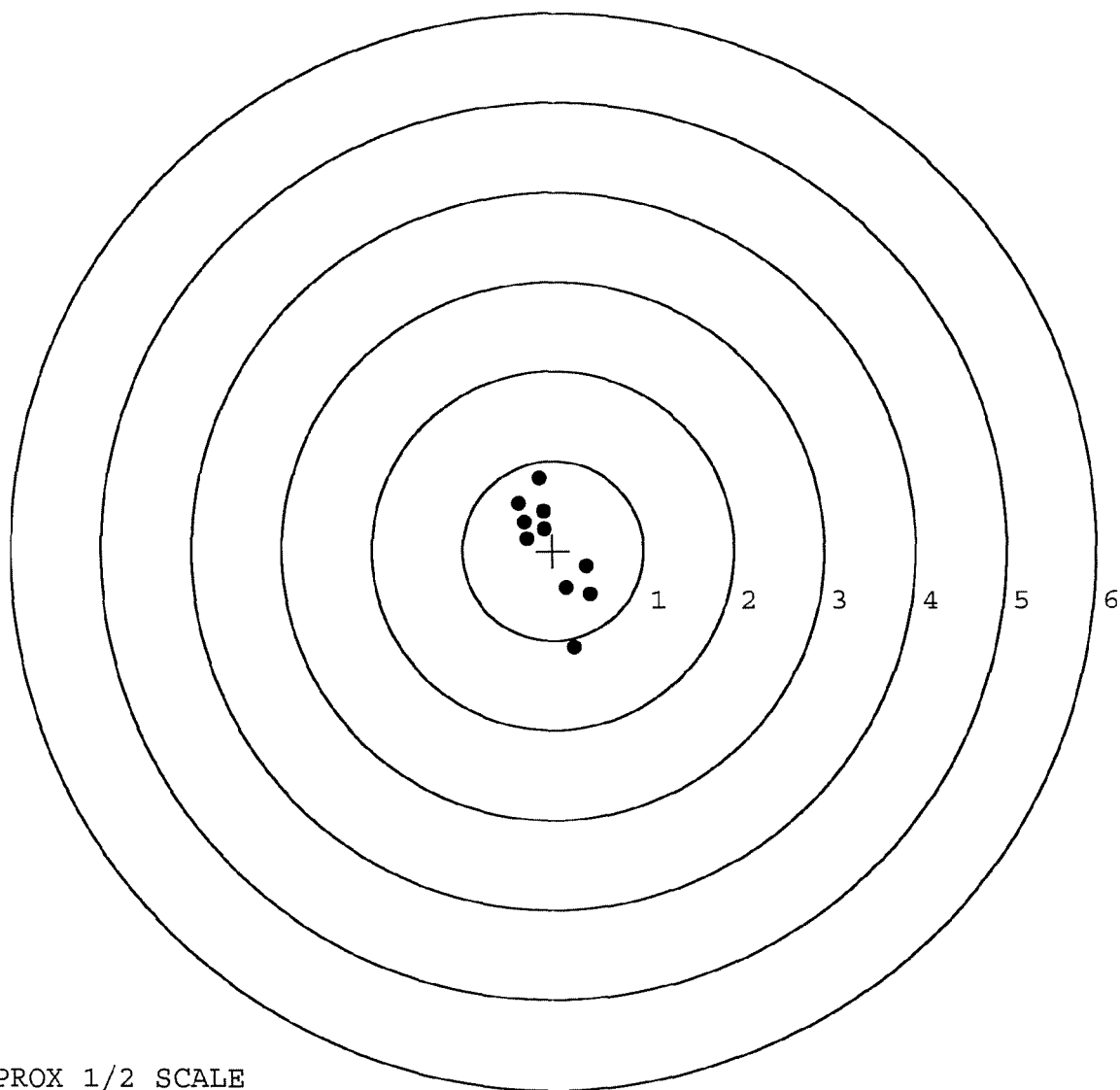
MAX RADIUS: 1.143

MEAN RADIUS: 0.547

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225563. __0

TARGET NUMBER: 4

FILE DATE: 08/22/2002

FILE TIME: 11:45

POINT#	X	Y
1:	-0.030	-0.991
2:	-0.074	0.953
3:	-0.642	0.577
4:	0.242	0.136
5:	0.350	-0.191
6:	0.056	-0.380
7:	-0.137	-0.160
8:	-0.304	0.052
9:	-0.190	0.254
10:	0.153	-0.120

X CENTROID: -0.058

Y CENTROID: 0.013

POA TO CENTROID: 0.059

HORZ SPREAD: 0.992

VERT SPREAD: 1.944

GROUP SPREAD: 1.944

MIN RADIUS: 0.190

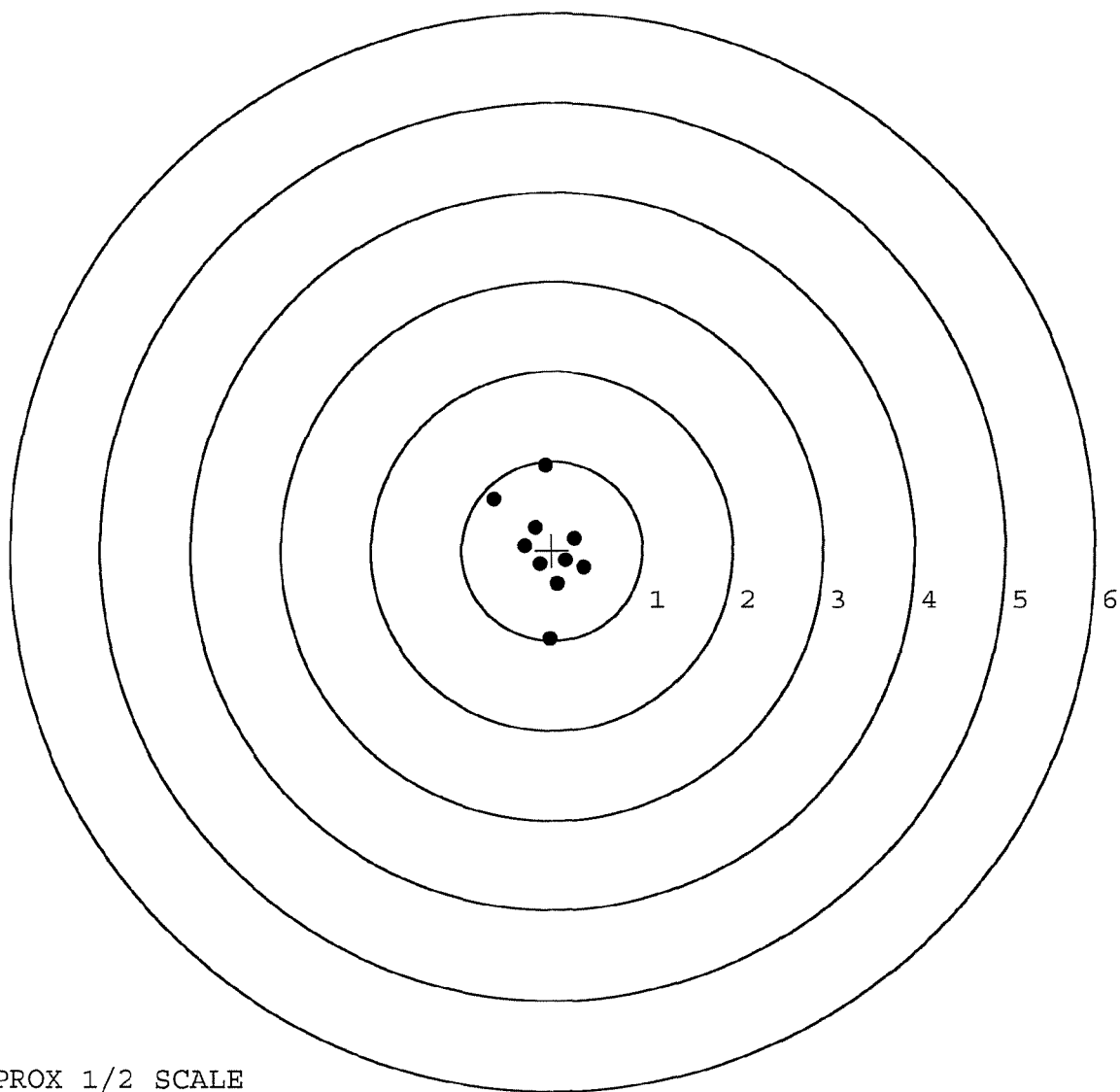
MAX RADIUS: 1.004

MEAN RADIUS: 0.491

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225563.___0

TARGET NUMBER: 5

FILE DATE: 08/22/2002

FILE TIME: 11:45

POINT#	X	Y
1:	0.030	-0.578
2:	-0.482	-0.805
3:	-0.408	0.306
4:	-0.747	0.498
5:	-0.721	0.056
6:	0.178	-0.081
7:	0.696	-0.013
8:	0.566	-0.144
9:	0.458	0.086
10:	0.387	-0.065

X CENTROID: -0.004

Y CENTROID: -0.074

POA TO CENTROID: 0.074

HORZ SPREAD: 1.443

VERT SPREAD: 1.303

GROUP SPREAD: 1.531

MIN RADIUS: 0.182

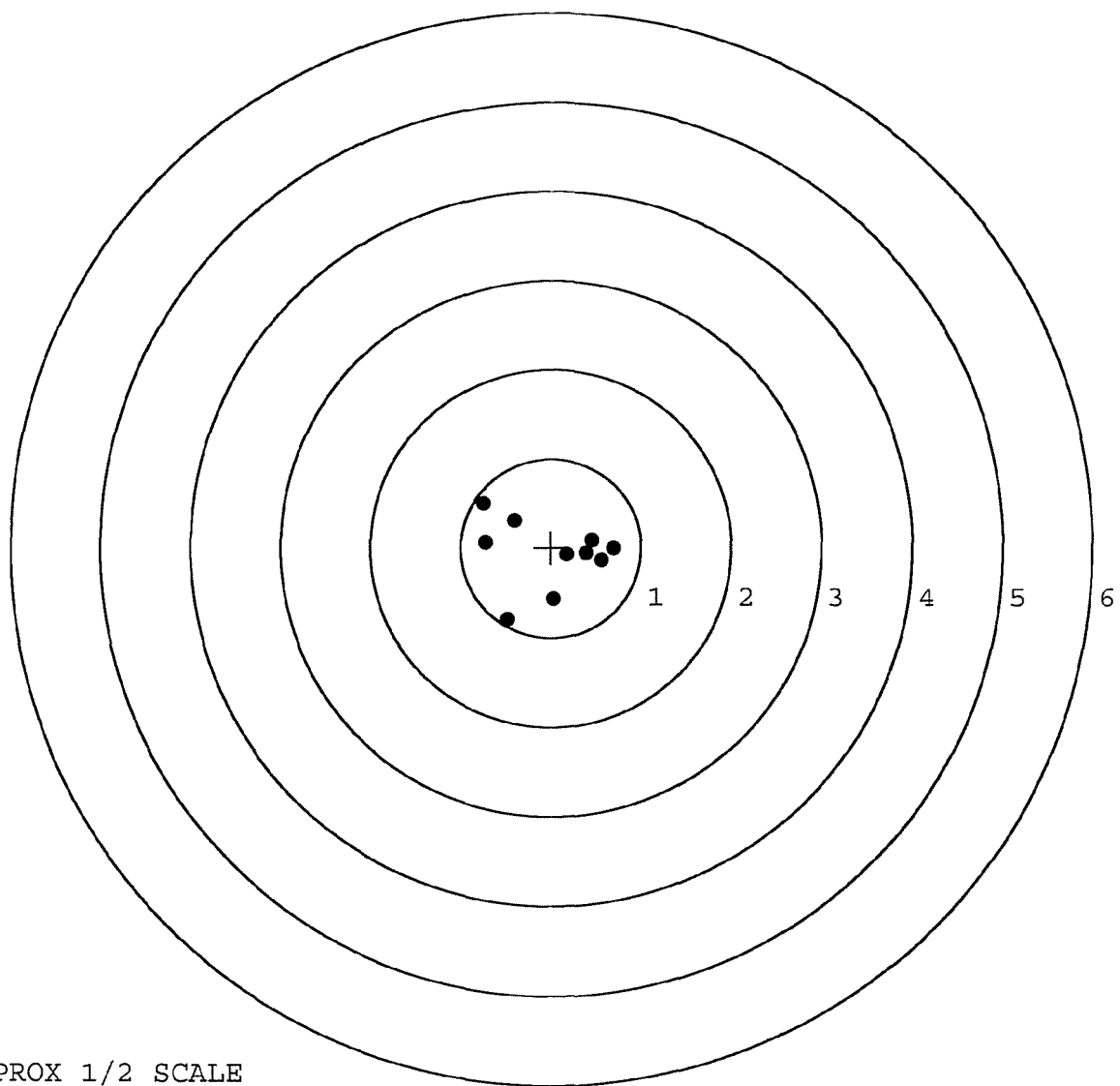
MAX RADIUS: 0.937

MEAN RADIUS: 0.594

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	50331		
SERIAL NUMBER	C622 5563		
LOG-IN DATE	8/6/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8/8/02	RL
560 A	RE-BARREL	8-8-02	DA
B	DRILL AND TAP	8-13-02	K
575	ASSEMBLE	8/13/02	KL
600	PROOF	8-13-02	MAGNAFLUX
605	CHECK HEADSPACE	8/13/02	INSPECTED
610	DIS-ASSEMBLE GUN	8/13/02	14 2002
612	MAGNAFLUX		OPERATOR BR
615	ROLLMARK CALIBER	8/14	13
618	ROTO-BLAST	8/15	150
620	APPLY COATINGS	8-16	TA
625 A	FINAL ASSEMBLY	8/20/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	8-21-02	Ac
655	FINAL INSPECT	8-22-02	LW
660	PACK	8-27-02	DA
		SHIP DATE	
	QAR INSPECTION DATE		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225563

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	BJ
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	XTB
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/1/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/89	RW
	C) Inspect Ejector Hole for Chamfer		5/1/89	RW
	D) Oil Firing Pin Ass'y		5/1/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/5/89	WB

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	7	7	7	5/8/89	94
	G) Safety Off Force	3	3	3	5/8/89	84
	H) Trigger Pull Test & Retainability				5/5/89	WCB
	I) Firing Pin Indent	.020	.020	.020	5/8/89	94
	J) Assemble Stock				5/8/89	RW
	K) Assemble Swivel Studs				16 May 89	RS
	L) Attach Front and Rear Sight Assemblies				5/8/89	RW
	M) Iron Sight Alignment				5/8/89	RW
	N) Detach Front & Rear Sights & place in numbered container				5/8/89	RW
	O) Attach Scope to Rifle				5/8/89	94
	P) Detach & Attach Scope 20 Times				5/9/89	94
640	Gallery Target & Test	86	2	67L	5/9/89	DH
	A) Time				5/9/89	DH
	B) Malfunctions				5/9/89	DH
	C) Pierced Primers				5/9/89	DH
	D) Optical Clarity of Scope				5/9/89	DH
645	Inspect for Live Ammo				5/9/89	DH
655	Final Inspection					
	A) Headspace				16 May 89	RS
	B) Trigger Pull	2.77	2.80	2.81	16 May 89	RS
	C) Function				16 May 89	RS
660	Pack				27 June 89	RS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 5563

DATE 3-22-90

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.26	2.39	2.20	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.26	2.38	2.30	
PULL #3	2.29	2.36	2.23	
PULL #4	2.32	2.46	2.28	
PULL #5	2.44	2.45	2.25	
TOTAL	11.57	12.04	11.26	
AVG.	2.314	2.408	2.252	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.09	3.33	
PULL #2	3.50	3.40	
PULL #3	3.48	3.42	
PULL #4	3.48	3.27	
PULL #5	3.44	3.45	
TOTAL	16.49	16.87	
AVG.	3.298	3.374	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.49	4.10		
PULL #2	4.50	4.28		
PULL #3	4.52	4.22		
PULL #4	4.41	4.36		
PULL #5	4.26	4.31		
TOTAL	22.18	21.27		
AVG.	4.436	4.254		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225563
10 May 1989

CENTROIDAL DISTANCES

0 TO	1	.372924
1 TO	2	.600523
1 TO	3	.537953
1 TO	4	.663916
1 TO	5	.259384

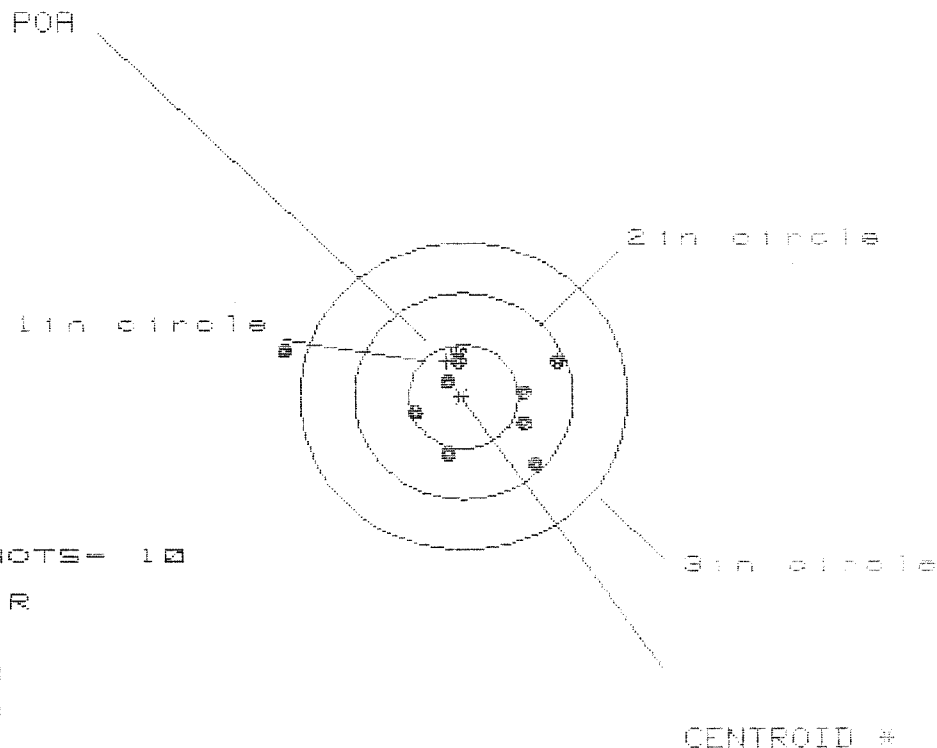
$\frac{x_1}{x_2}$ -----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1149
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0576
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .159746
THE AMR FOR THIS RIFLE IS: .8082

10 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225563

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 9

3in = 9

HS= 2.535

VS= 1.185

GS= 2.626

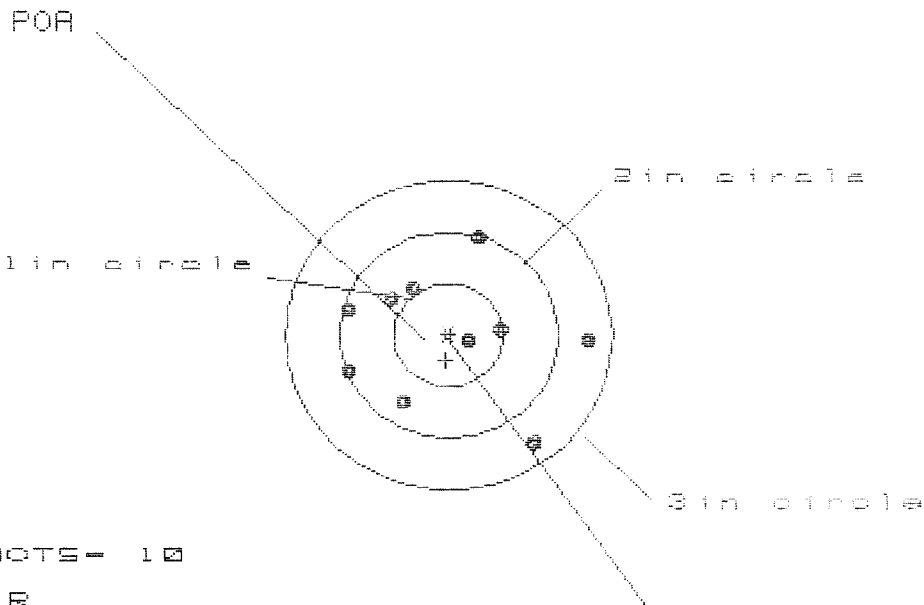
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.843	.655	.713
MINIMUM X	:	-1.692	-.676	-.618
MAXIMUM Y	:	.481	.515	.434
MINIMUM Y	:	-.784	-.651	-.627
CENTROID X	:	.144	.332	.274
CENTROID Y	:	-.344	-.397	-.316
POA TO CENTROID in.	:	.373	.518	.418
MIN RADIUS	:	.238	.386	.341
MEAN RADIUS	:	.694	.566	.523
MAX RADIUS	:	1.759	.799	.765
HORIZONTAL SPREAD	:	2.535	1.331	1.331
VERTICAL SPREAD	:	1.185	1.166	1.061
EXTREME SPREAD	:	2.626	1.421	1.421
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	9		
NUMBER IN THREE INCH CIRCLE	=		9	

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225563

CENTERFIRE PATTERNS # 2



OF SHOTS- 10
IN CIR
1 in = 2
2 in = 7
3 in = 10
HS= 2.194
VS= 2.024
GS= 2.219

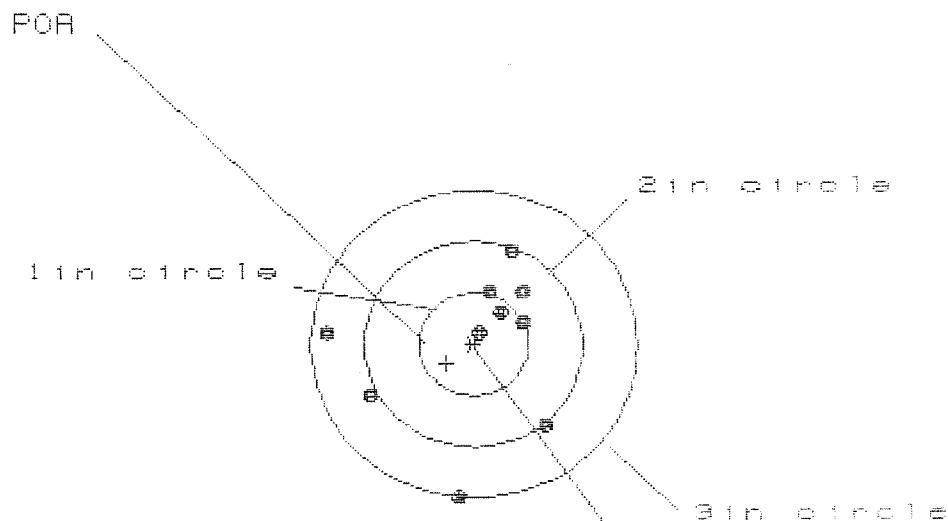
CENTROID +

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.296	1.377	.755
MINIMUM X	:	-.908	-.817	-.645
MAXIMUM Y	:	.995	.881	.855
MINIMUM Y	:	-1.029	-.743	-.769
CENTROID X	:	.022	-.069	-.241
CENTROID Y	:	.244	.358	.384
POA TO CENTROID in.	:	.245	.365	.453
MIN RADIUS	:	.190	.319	.315
MEAN RADIUS	:	.814	.743	.637
MAX RADIUS	:	1.316	1.392	1.023
HORIZONTAL SPREAD	:	2.194	2.194	1.400
VERTICAL SPREAD	:	2.024	1.624	1.624
EXTREME SPREAD	:	2.219	2.219	1.788
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225563

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 1.993

VS= 2.422

GS= 2.477

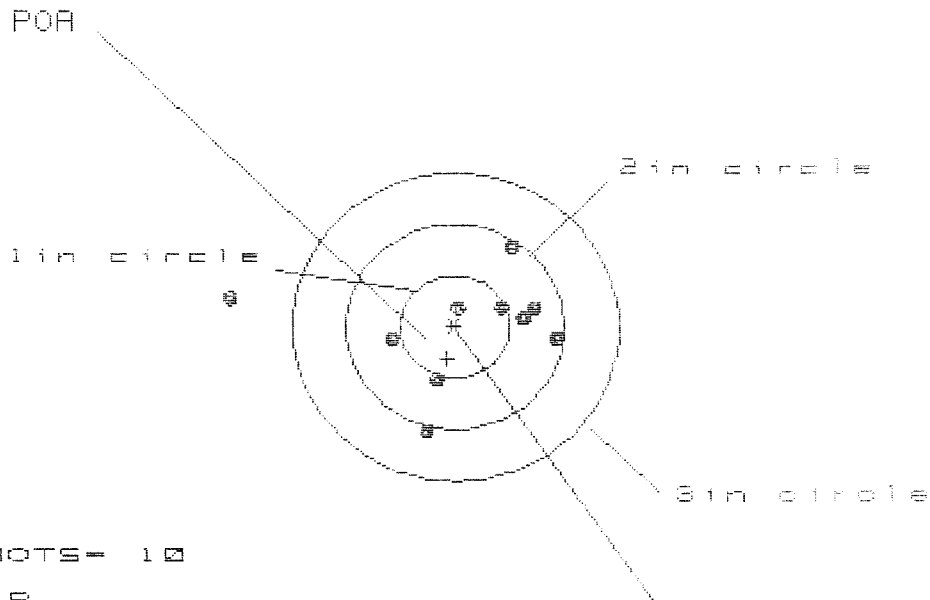
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.651	.636	.466
MINIMUM X	:	-1.341	-1.357	-1.143
MAXIMUM Y	:	.926	.760	.760
MINIMUM Y	:	-1.495	-.982	-.982
CENTROID X	:	.247	.262	.432
CENTROID Y	:	.184	.351	.351
FOR TO CENTROID in.	:	.368	.438	.557
MIN RADIUS	:	.097	.074	.174
MEAN RADIUS	:	.830	.708	.585
MAX RADIUS	:	1.502	1.357	1.325
HORIZONTAL SPREAD	:	1.993	1.993	1.609
VERTICAL SPREAD	:	2.422	1.742	1.742
EXTREME SPREAD	:	2.477	2.220	1.936
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225563

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 2.976

VS= 1.761

GS= 2.996

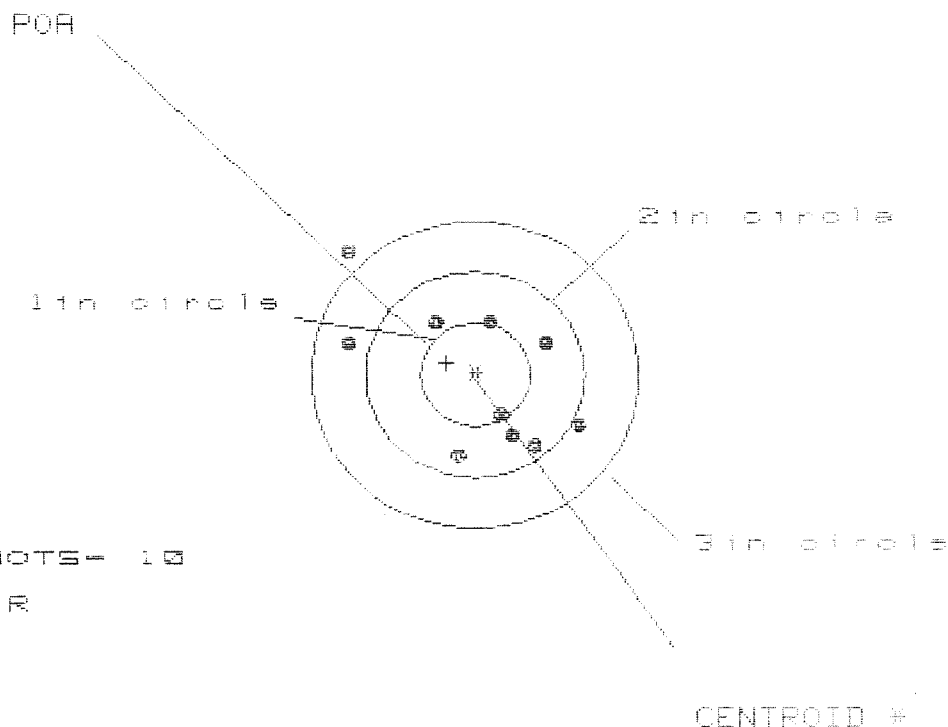
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.896	.658	.595
MINIMUM X	:	-2.086	-.834	-.897
MAXIMUM Y	:	.791	.819	.701
MINIMUM Y	:	-.970	-.942	-.604
CENTROID X	:	.072	.304	.367
CENTROID Y	:	.316	.288	.486
POR TO CENTROID in.	:	.324	.419	.547
MIN RADIUS	:	.165	.278	.146
MEAN RADIUS	:	.805	.617	.527
MAX RADIUS	:	2.101	1.069	.917
HORIZONTAL SPREAD	:	2.976	1.492	1.492
VERTICAL SPREAD	:	1.761	1.761	1.305
EXTREME SPREAD	:	2.996	1.927	1.492
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

18 May 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06225563

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 9

HS= 2.143

VS= 1.982

GS= 2.708

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.957	.834	.670
MINIMUM X	:	-1.186	-1.309	-1.678
MAXIMUM Y	:	1.243	.680	.741
MINIMUM Y	:	-.739	-.601	-.540
CENTROID X	:	.260	.383	.547
CENTROID Y	:	-.112	-.250	-.311
POA TO CENTROID in.	:	.283	.458	.629
MIN RADIUS	:	.473	.302	.251
MEAN RADIUS	:	.873	.745	.630
MAX RADIUS	:	1.668	1.397	1.004
HORIZONTAL SPREAD	:	2.143	2.143	1.348
VERTICAL SPREAD	:	1.982	1.281	1.281
EXTREME SPREAD	:	2.708	2.306	1.706
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	




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

MODEL 700™ M24

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

SERIAL NO.
C6225563

ORDER NO.
5716

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5716 C6225563

UPC



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