

C6611633

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smith

RE00092450

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611633.___0
FILE DATE AND TIME: 08/17/2005 11:13

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:	-0.096
The Average Point of Impact of the Five Target Set:	0.110
The Average Mean Radius of the Five Target Set:	0.836
The Distance from POA to Centroid Target #1:	0.139
The Distance from Centroid Target #2 to Centroid Target #1:	0.200
The Distance from Centroid Target #3 to Centroid Target #1:	0.247
The Distance from Centroid Target #4 to Centroid Target #1:	0.063
The Distance from Centroid Target #5 to Centroid Target #1:	0.081

SERIAL NUMBER: C6611633. __0

TARGET NUMBER: 1

FILE DATE: 08/17/2005

FILE TIME: 11:13

POINT#	X	Y
1:	0.633	-1.442
2:	1.042	-0.628
3:	0.182	-0.792
4:	-0.131	-1.304
5:	-0.530	-0.427
6:	0.131	0.403
7:	-0.119	0.246
8:	-0.352	0.710
9:	0.540	1.102
10:	-1.105	0.770

X CENTROID: 0.029

Y CENTROID: -0.136

POA TO CENTROID: 0.139

HORZ SPREAD: 2.147

VERT SPREAD: 2.544

GROUP SPREAD: 2.813

MIN RADIUS: 0.410

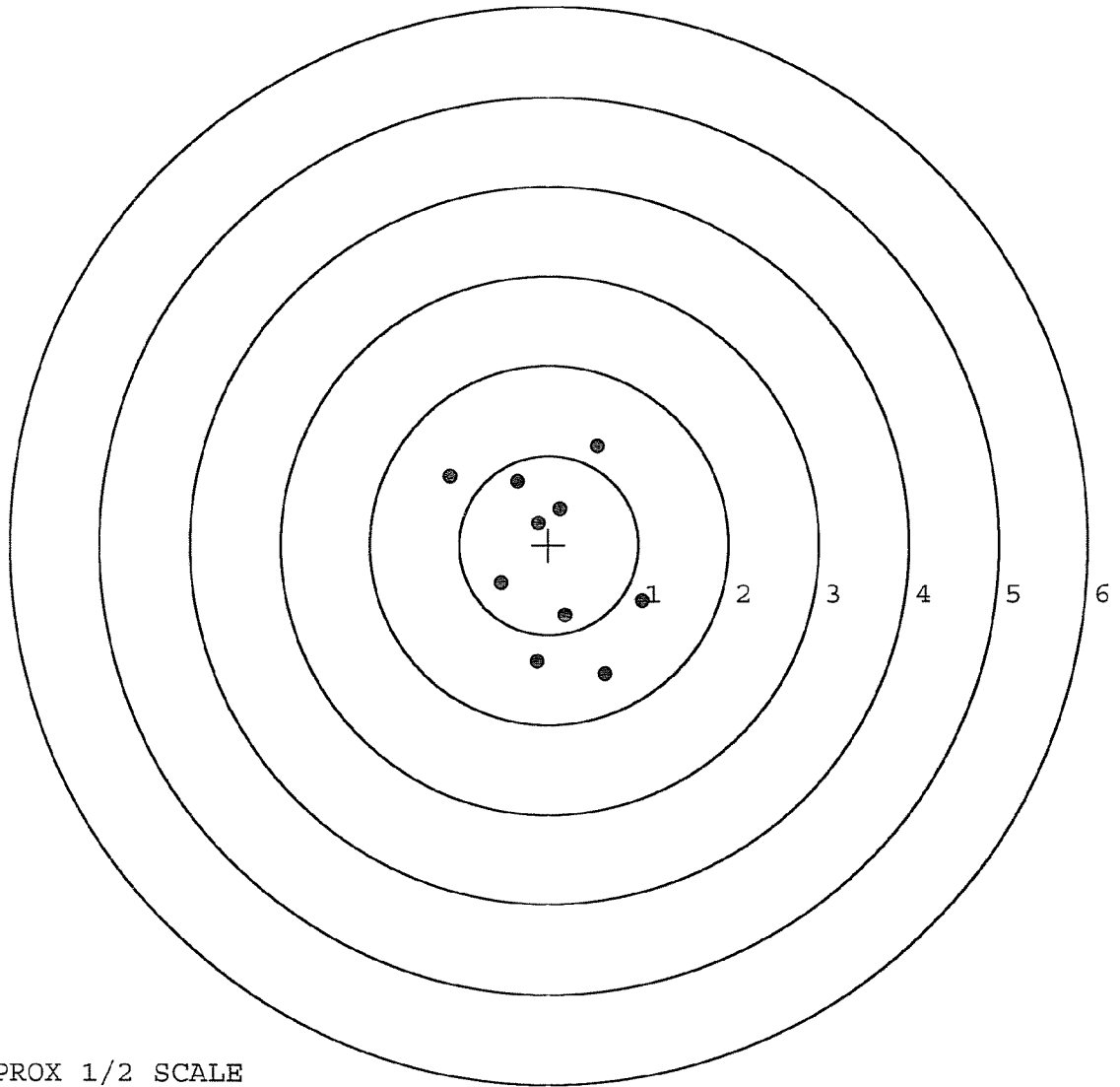
MAX RADIUS: 1.452

MEAN RADIUS: 0.972

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611633. __0

TARGET NUMBER: 2

FILE DATE: 08/17/2005

FILE TIME: 11:13

X CENTROID: -0.158

Y CENTROID: -0.065

POA TO CENTROID: 0.171

HORZ SPREAD: 1.535

VERT SPREAD: 1.735

GROUP SPREAD: 1.825

MIN RADIUS: 0.362

MAX RADIUS: 1.083

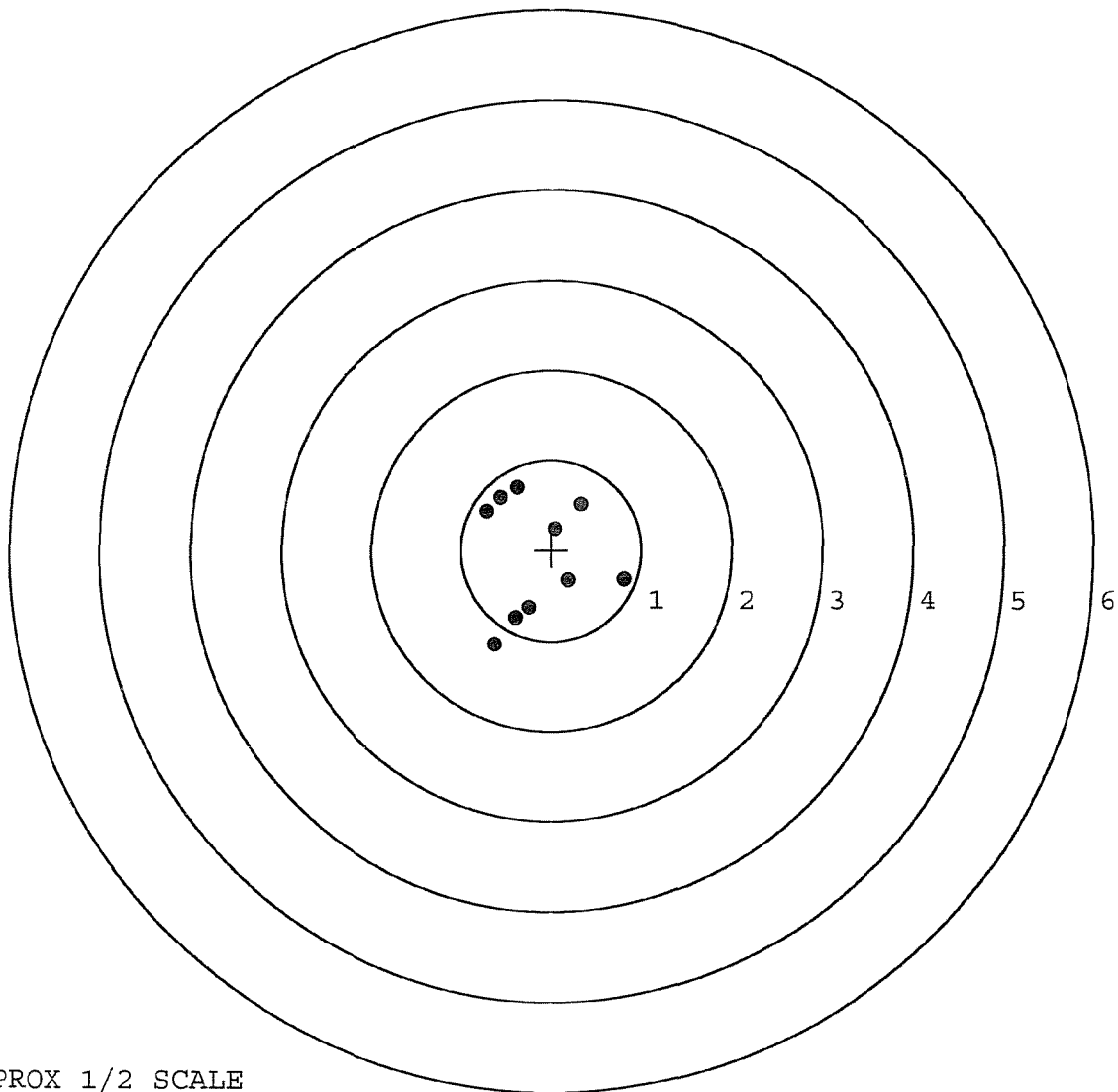
MEAN RADIUS: 0.727

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.809	-0.330
2:	0.198	-0.336
3:	-0.252	-0.639
4:	-0.397	-0.753
5:	-0.628	-1.041
6:	0.333	0.511
7:	0.041	0.238
8:	-0.385	0.694
9:	-0.571	0.580
10:	-0.726	0.427



TARGET APPROX 1/2 SCALE

BARBER - M24 0079908

SERIAL NUMBER: C6611633. __0

TARGET NUMBER: 3

FILE DATE: 08/17/2005

FILE TIME: 11:13

POINT#	X	Y
1:	0.722	-0.937
2:	0.522	-0.307
3:	1.179	0.340
4:	-0.139	-0.469
5:	-1.397	-0.947
6:	-0.813	0.278
7:	-0.041	0.462
8:	-0.419	0.420
9:	-0.387	0.165
10:	-0.989	1.008

X CENTROID: -0.176

Y CENTROID: 0.001

POA TO CENTROID: 0.176

HORZ SPREAD: 2.576

VERT SPREAD: 1.955

GROUP SPREAD: 2.880

MIN RADIUS: 0.267

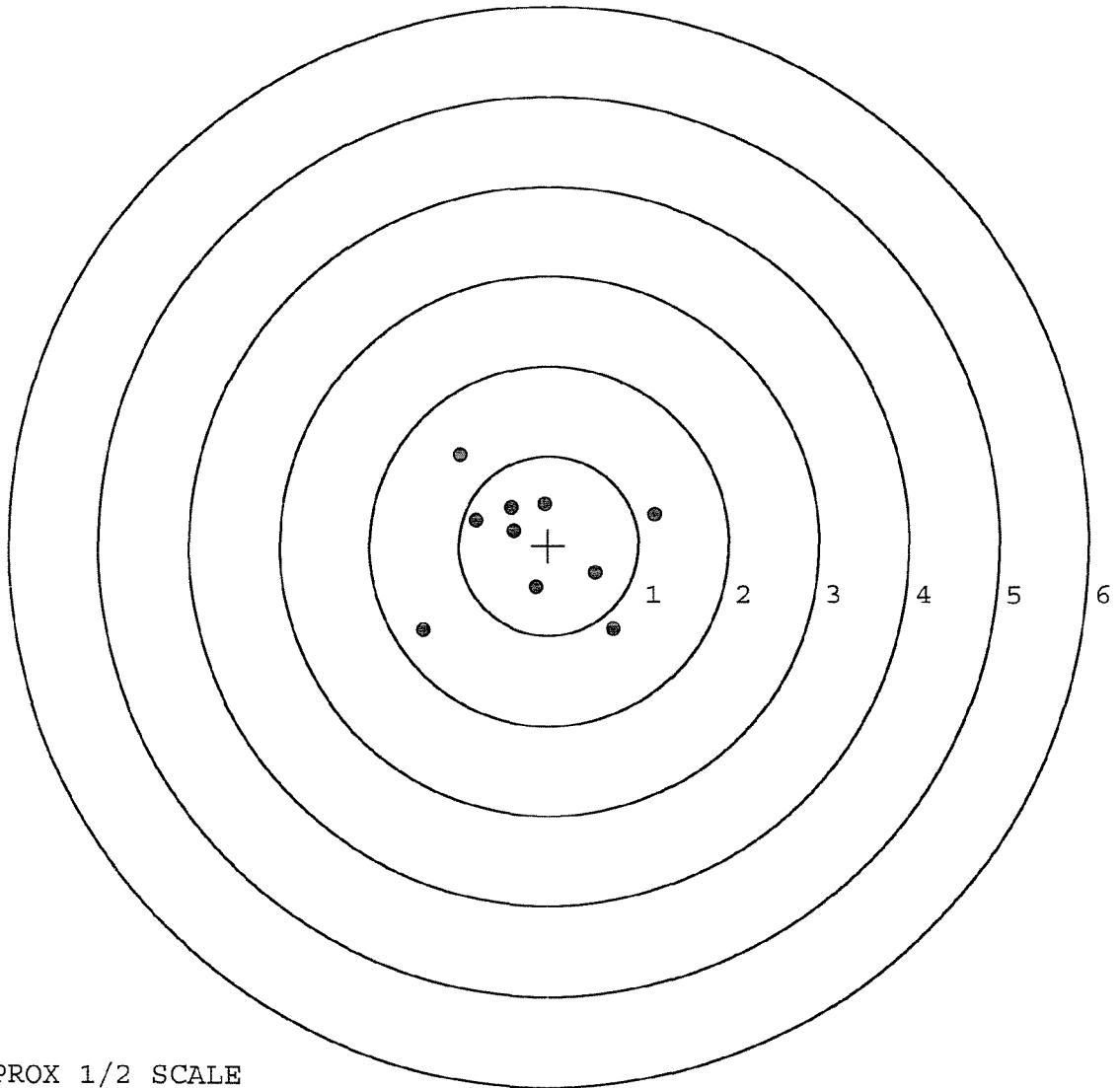
MAX RADIUS: 1.546

MEAN RADIUS: 0.870

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0079909

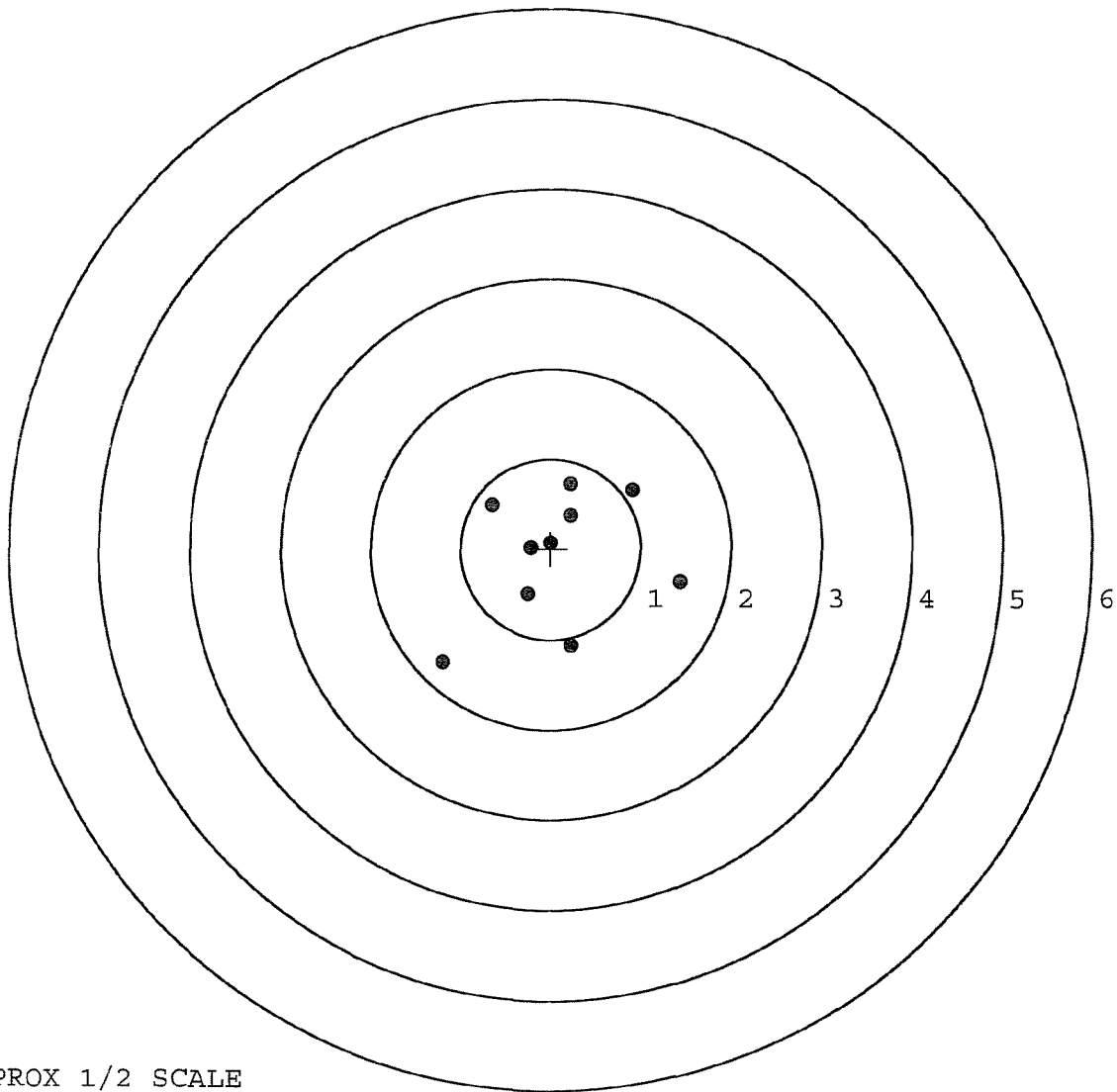
SERIAL NUMBER: C6611633. __0

TARGET NUMBER: 4

FILE DATE: 08/17/2005

FILE TIME: 11:13

	POINT#	X	Y
	1:	1.439	-0.369
	2:	0.913	0.648
	3:	0.233	-1.071
	4:	-1.194	-1.259
	5:	-0.247	-0.505
	6:	0.223	0.721
	7:	0.226	0.367
	8:	-0.649	0.481
	9:	0.006	0.066
	10:	-0.223	0.011
X CENTROID:		0.073	
Y CENTROID:		-0.091	
POA TO CENTROID:		0.116	
HORZ SPREAD:		2.633	
VERT SPREAD:		1.980	
GROUP SPREAD:		2.842	
MIN RADIUS:		0.171	
MAX RADIUS:		1.723	
MEAN RADIUS:		0.847	
# IN 1 IN DIAMETER:		3	
# IN 2 IN DIAMETER:		7	
# in 3 IN DIAMETER:		9	



TARGET APPROX 1/2 SCALE

BARBER - M24 0079910

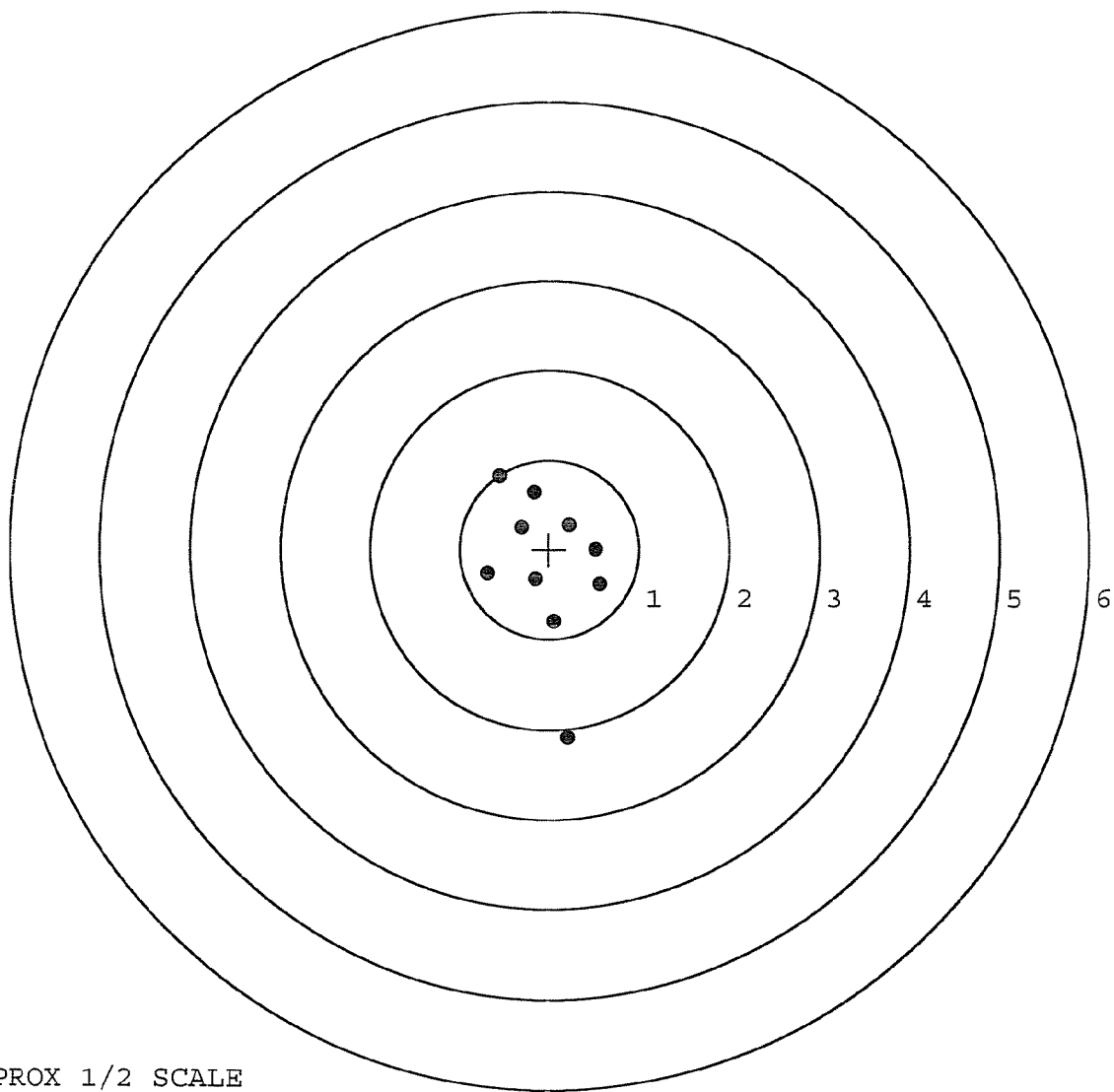
SERIAL NUMBER: C6611633. __0

TARGET NUMBER: 5

FILE DATE: 08/17/2005

FILE TIME: 11:13

	POINT#	X	Y
	1:	0.210	-2.087
	2:	0.560	-0.388
	3:	0.519	-0.001
	4:	0.226	0.278
	5:	0.057	-0.808
	6:	-0.160	-0.340
	7:	-0.690	-0.271
	8:	-0.172	0.646
	9:	-0.554	0.823
	10:	-0.311	0.247
X CENTROID:		-0.031	
Y CENTROID:		-0.190	
POA TO CENTROID:		0.193	
HORZ SPREAD:		1.250	
VERT SPREAD:		2.910	
GROUP SPREAD:		3.009	
MIN RADIUS:		0.197	
MAX RADIUS:		1.912	
MEAN RADIUS:		0.764	
# IN 1 IN DIAMETER:		1	
# IN 2 IN DIAMETER:		8	
# in 3 IN DIAMETER:		9	



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
 CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	92450		
SERIAL NUMBER	C6611633		
LOG-IN DATE	2-3-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-16-05	RTZ
560 A	RE-BARREL	X	X
B	DRILL AND TAP		
575	ASSEMBLE		
600	PROOF		
605	CHECK HEADSPACE		
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	8-18-05	AC
D	SAFETY "OFF" FORCE	8-18-05	AC
E	FIRING PIN INDENT	8-18-05	AC
640	TARGET <i>+ Clean</i>	8-17-05	TRW
655	FINAL INSPECT	8-18-05	AC
660	PACK	9-19-05	RA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington[®] **MODEL 700TM H24**

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

DUPONT
REG. U.S. PAT. & TM. OFF.

SERIAL NO.
C6611633

ORDER NO.
5716

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

20

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611633

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 25	91	Rw
600	Proof	3 25	91	Rw
607	Check Headspace	3 25	91	Rw
610	Dis-assemble Gun	3 25	91	Rw
612	Magnaflux Barrel Action	3 28	91	KR
	Magnaflux Bolt	3 28	91	U
615	Rollmark Caliber	3 28	91	JS
617	Drill and Tap Sight Holes	APR	3 1991	W/B
618	Polish Barrel	APR	3 1991	W/B
620	Apply Coatings (Barrel Action)		4-11-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/16/91	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/16/91	Rw
	C) Inspect Ejector Hole for Chamfer		4/16/91	Rw
	D) Oil Firing Pin Ass'y		4/16/91	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		6/3/91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/3/91	JP
	G) Safety Off Force	4	4	4			5/3/91	JP
	H) Trigger Pull Test & Retainability						5/3/91	JP
	I) Firing Pin Indent	1022	1023	1023			5/3/91	JP
	J) Assemble Stock						5/4/91	RW
	K) Assemble Swivel Studs						5-10-91	A
	L) Attach Front and Rear Sight Assemblies						5/4/91	RW
	M) Iron Sight Alignment						5/4/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/4/91	RW
	O) Attach Scope to Rifle						5/4/91	RW
	P) Detach & Attach Scope 20 Times						5/4/91	RW
640	Gallery Target & Test						5-4-91	DH
	A) Time						5-4-91	DH
	B) Malfunctions						5-4-91	DH
	C) Pierced Primers						5-4-91	DH
	D) Optical Clarity of Scope						5-4-91	DH
645	Inspect for Live Ammo						5-4-91	DH
655	Final Inspection							
	A) Headspace						5-10-91	A
	B) Trigger Pull	2.47	2.48	2.29	2.36	2.47	5/9/91	JP
	C) Function						5-10-91	AC
660	Pack						6-17-91	NF

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

SERIAL NO. C6611633DATE 5/3/91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.21	2.40	2.47	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.35	2.44	2.48	
PULL #3	2.46	2.33	2.39	2.29	
PULL #4	2.40	2.36	2.38	2.36	
PULL #5	2.20	2.36	2.38	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.61	3.39		
PULL #2	3.52	3.28		
PULL #3	3.45	3.36		
PULL #4	3.48	3.26		
PULL #5	3.39	3.33		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.45	4.49		4.48
PULL #2	4.35	4.55		4.27
PULL #3	4.46	4.46		4.42
PULL #4	4.52	4.53		4.52
PULL #5	4.50	4.44		4.45
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611633
4 May 1991

CENTROIDAL DISTANCES

0 TO	1	.303916
1 TO	2	.217995
1 TO	3	.400762
1 TO	4	.480688
1 TO	5	.450877

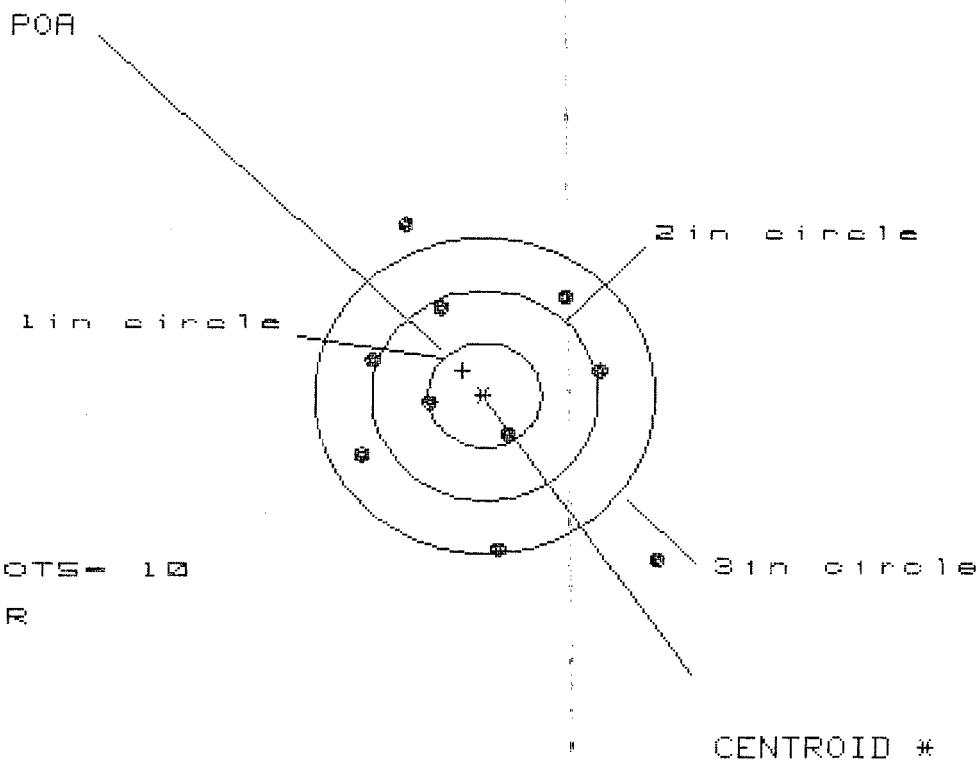
4₂ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0404
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0124
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0422601
THE AMR FOR THIS RIFLE IS: .9934

4 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611633

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in - 1

2 in - 3

3 in - 8

HS - 2.574

VS - 3.202

GS - 3.880

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.502	1.198	1.133
MINIMUM X	:	-1.072	-.905	-.970
MAXIMUM Y	:	1.628	1.453	.947
MINIMUM Y	:	-1.574	-1.618	-1.436
CENTROID X	:	.189	.022	.087
CENTROID Y	:	-.238	-.063	-.245
POA TO CENTROID in.	:	.304	.067	.260
MIN RADIUS	:	.475	.443	.418
MEAN RADIUS	:	1.174	1.038	.965
MAX RADIUS	:	2.176	1.641	1.451
HORIZONTAL SPREAD	:	2.574	2.103	2.103
VERTICAL SPREAD	:	3.202	3.071	2.383
EXTREME SPREAD	:	3.880	3.172	2.448
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	8		

4 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11633

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 1

2in = 6

3in = 10

HS = 1.249

VS = 2.574

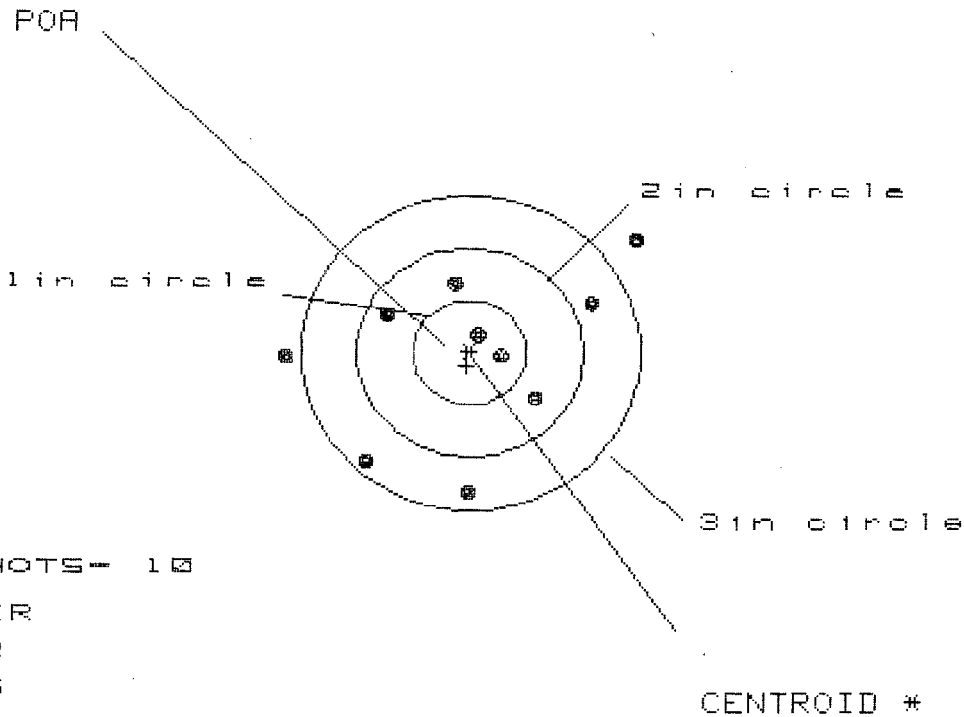
GS = 2.574

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.695	.467	.459
MINIMUM X	:	-.554	-.477	-.485
MAXIMUM Y	:	1.215	1.082	.895
MINIMUM Y	:	-1.359	-1.492	-1.234
CENTROID X	:	.278	.201	.209
CENTROID Y	:	-.039	.094	.281
POA TO CENTROID in.	:	.281	.222	.350
MIN RADIUS	:	.476	.331	.149
MEAN RADIUS	:	.940	.858	.723
MAX RADIUS	:	1.387	1.494	1.317
HORIZONTAL SPREAD	:	1.249	.944	.944
VERTICAL SPREAD	:	2.574	2.574	2.129
EXTREME SPREAD	:	2.574	2.574	2.200
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

4 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611633

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 3.059

VS = 2.329

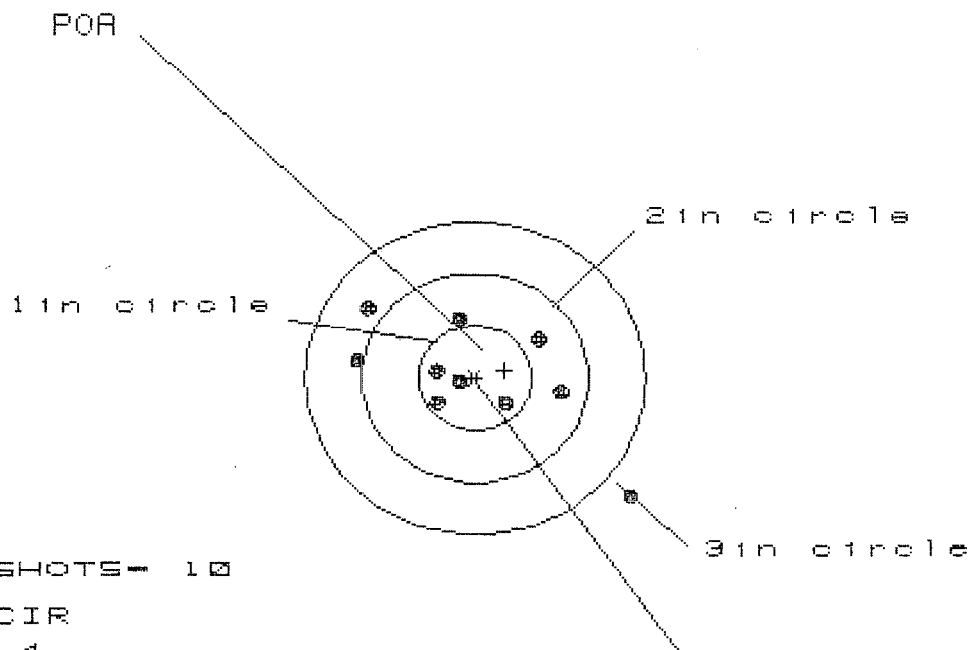
GS = 3.227

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.472	1.240	1.063
MINIMUM X	:	-1.587	-1.424	-.963
MAXIMUM Y	:	1.044	.801	.817
MINIMUM Y	:	-1.285	-1.169	-1.153
CENTROID X	:	.028	-.135	.042
CENTROID Y	:	.129	.013	-.003
POA TO CENTROID in.	:	.132	.136	.043
MIN RADIUS	:	.209	.386	.297
MEAN RADIUS	:	1.003	.936	.841
MAX RADIUS	:	1.804	1.430	1.331
HORIZONTAL SPREAD	:	3.059	2.664	2.025
VERTICAL SPREAD	:	2.329	1.970	1.970
EXTREME SPREAD	:	3.227	2.696	2.506
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

4 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611633

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in - 4

2in - 7

3in = 9

HS- 2.332

VS= 1.835

GS= 2.957

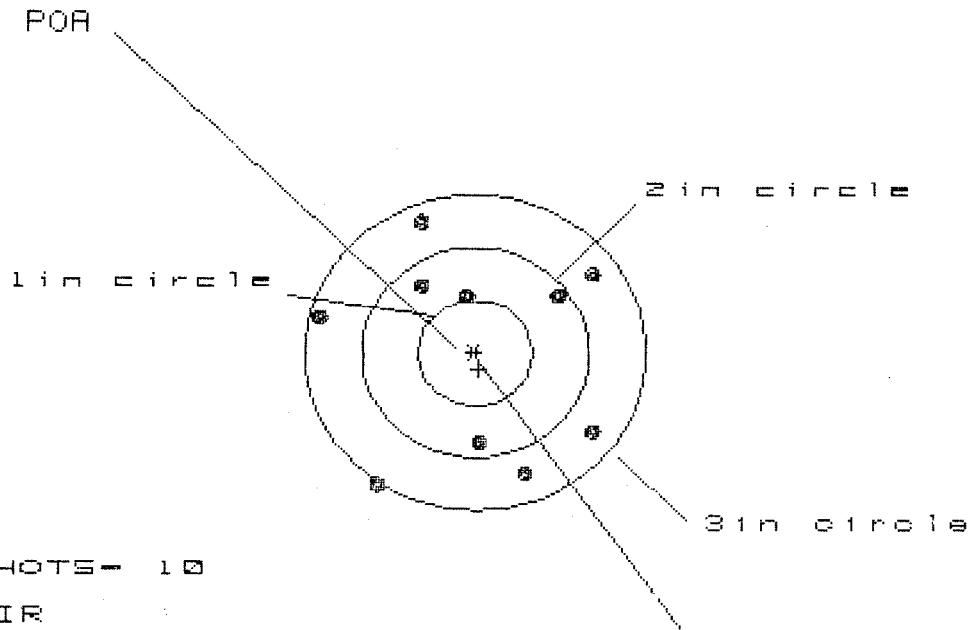
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.337	.903	.798
MINIMUM X	:	-.995	-.846	-.951
MAXIMUM Y	:	.658	.528	.552
MINIMUM Y	:	-1.177	-.343	-.277
CENTROID X	:	-.261	-.410	-.305
CENTROID Y	:	-.069	.061	-.004
POA TO CENTROID in.	:	.270	.414	.306
MIN RADIUS	:	.132	.205	.153
MEAN RADIUS	:	.728	.598	.539
MAX RADIUS	:	1.781	.986	.956
HORIZONTAL SPREAD	:	2.332	1.749	1.749
VERTICAL SPREAD	:	1.835	.871	.830
EXTREME SPREAD	:	2.957	1.927	1.782
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

4 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611633

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 4

3 in = 9

HS = 2.413

VS = 2.483

GS = 2.771

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.046	.949	.766
MINIMUM X	-1.367	-1.464	-.786
MAXIMUM Y	1.233	1.094	1.115
MINIMUM Y	-1.250	-1.268	-1.243
CENTROID X	-.032	.065	.248
CENTROID Y	.155	.294	.273
POA TO CENTROID in.	.158	.301	.370
MIN RADIUS	.529	.431	.558
MEAN RADIUS	1.122	1.054	.993
MAX RADIUS	1.526	1.473	1.359
HORIZONTAL SPREAD	2.413	2.413	1.551
VERTICAL SPREAD	2.483	2.362	2.362
EXTREME SPREAD	2.771	2.583	2.556
NUMBER IN ONE INCH CIRCLE =	0	3	3
NUMBER IN TWO INCH CIRCLE =	0	4	4
NUMBER IN THREE INCH CIRCLE =	0	9	9