

C6611764

MODEL 700TM M24

Model S&STM

Action _____

Barrel Length _____

Capacity _____

Order No. 5716

*Includes 1 in chamber.

Remington

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611764.___0
FILE DATE AND TIME: 04/01/2008 06:17

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.066
The Average Y Centroid of the Five Target Set:	-0.018
The Average Point of Impact of the Five Target Set:	0.069
The Average Mean Radius of the Five Target Set:	0.776
The Distance from POA to Centroid Target #1:	0.197
The Distance from Centroid Target #2 to Centroid Target #1:	0.078
The Distance from Centroid Target #3 to Centroid Target #1:	0.267
The Distance from Centroid Target #4 to Centroid Target #1:	0.295
The Distance from Centroid Target #5 to Centroid Target #1:	0.113

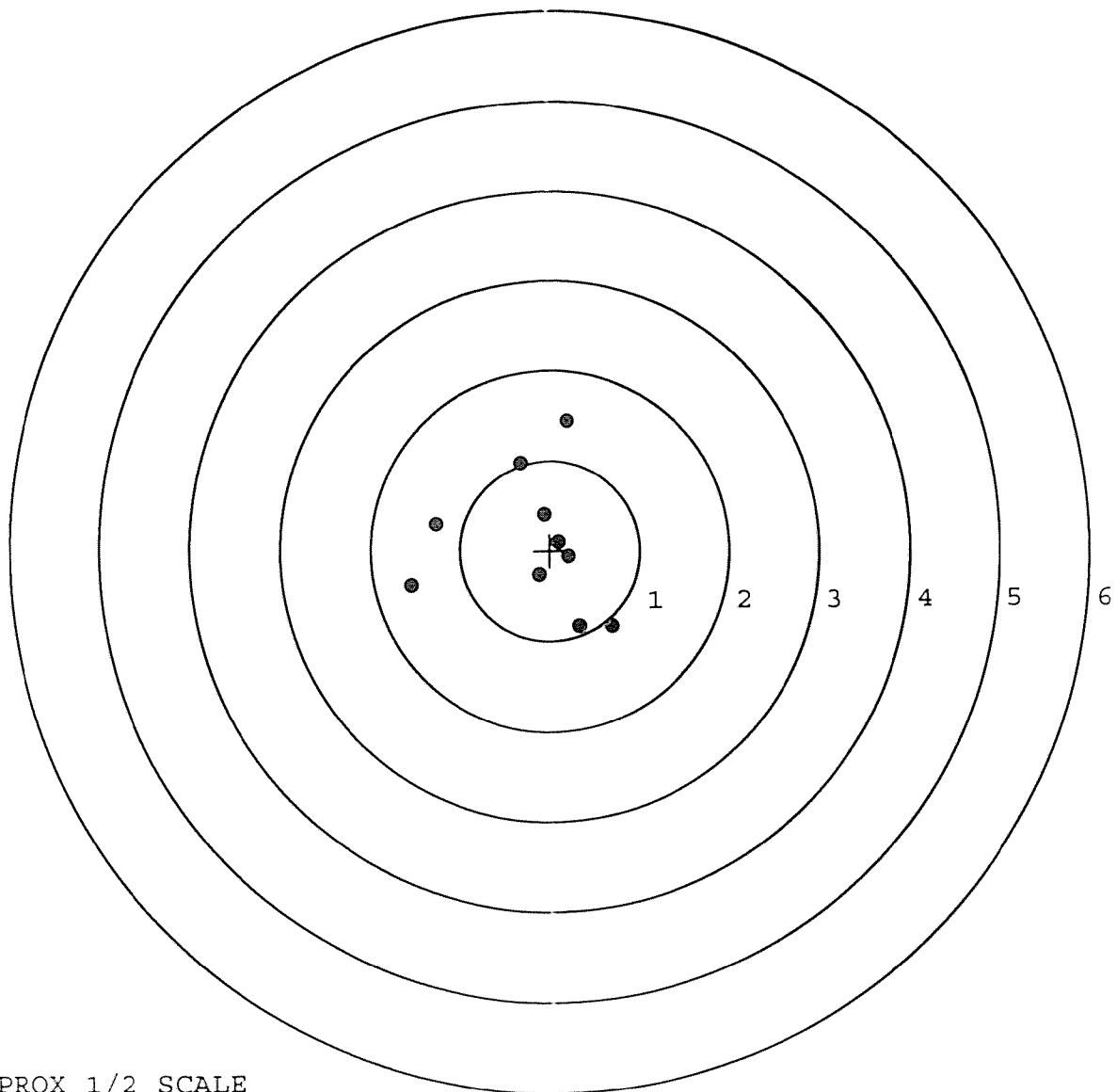
BARBER - M24 0035597

SERIAL NUMBER: C6611764. __0
TARGET NUMBER: 1
FILE DATE: 04/01/2008
FILE TIME: 06:17

X CENTROID: -0.179
Y CENTROID: 0.080
POA TO CENTROID: 0.197
HORZ SPREAD: 2.237
VERT SPREAD: 2.277
GROUP SPREAD: 2.527
MIN RADIUS: 0.278
MAX RADIUS: 1.445
MEAN RADIUS: 0.859

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.689	-0.843
2:	0.331	-0.843
3:	0.208	-0.070
4:	0.098	0.094
5:	-0.123	-0.268
6:	-0.062	0.404
7:	-0.323	0.980
8:	0.206	1.434
9:	-1.271	0.297
10:	-1.548	-0.385



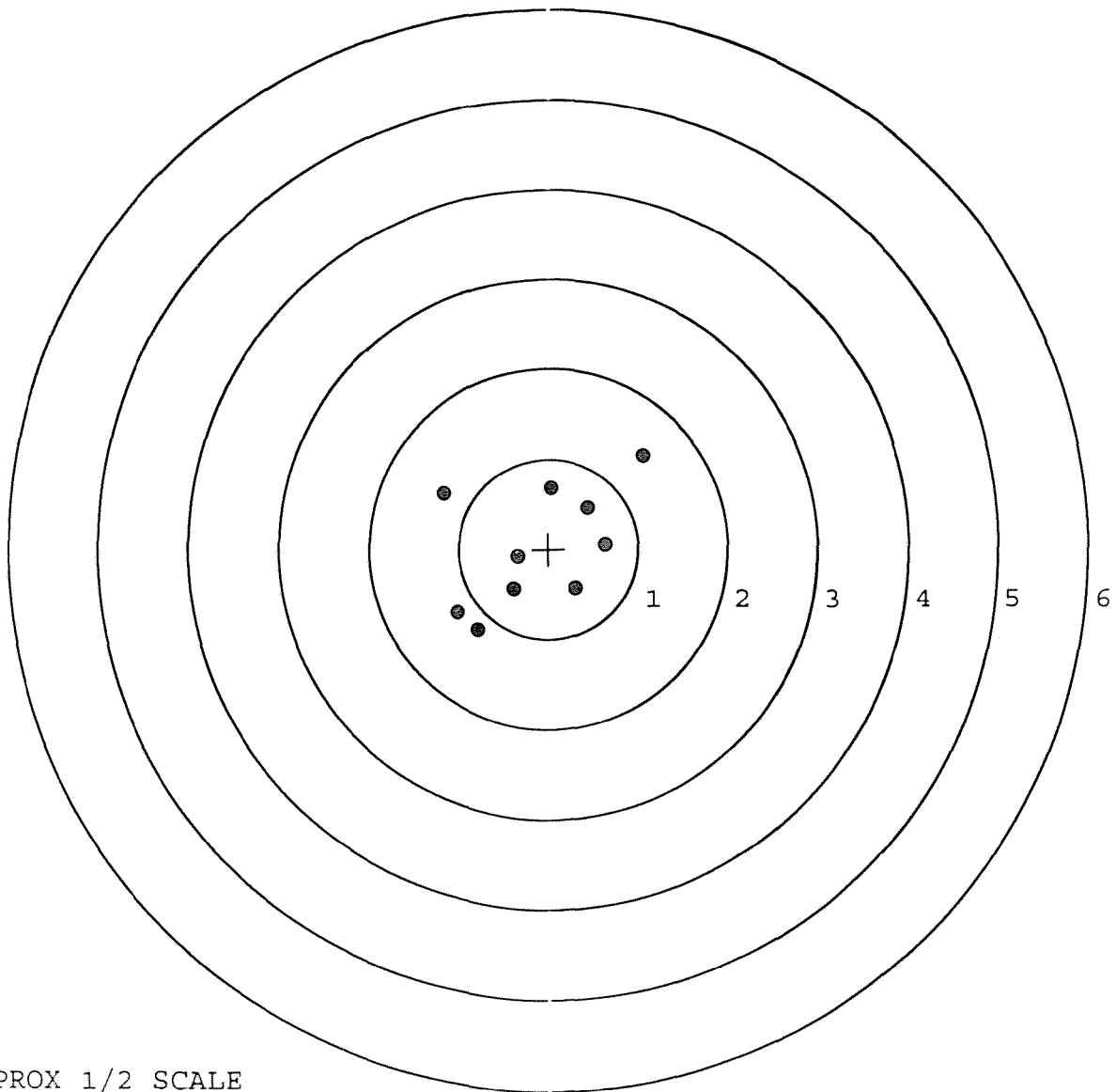
BARBER - M24 0035598

SERIAL NUMBER: C6611764. __0
TARGET NUMBER: 2
FILE DATE: 04/01/2008
FILE TIME: 06:17

POINT#	X	Y
1:	1.054	1.039
2:	0.438	0.457
3:	0.637	0.049
4:	0.027	0.674
5:	0.306	-0.439
6:	-0.345	-0.086
7:	-0.393	-0.441
8:	-1.015	-0.716
9:	-0.789	-0.906
10:	-1.171	0.613

X CENTROID: -0.125
Y CENTROID: 0.024
POA TO CENTROID: 0.127
HORZ SPREAD: 2.225
VERT SPREAD: 1.945
GROUP SPREAD: 2.713
MIN RADIUS: 0.246
MAX RADIUS: 1.556
MEAN RADIUS: 0.861

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9



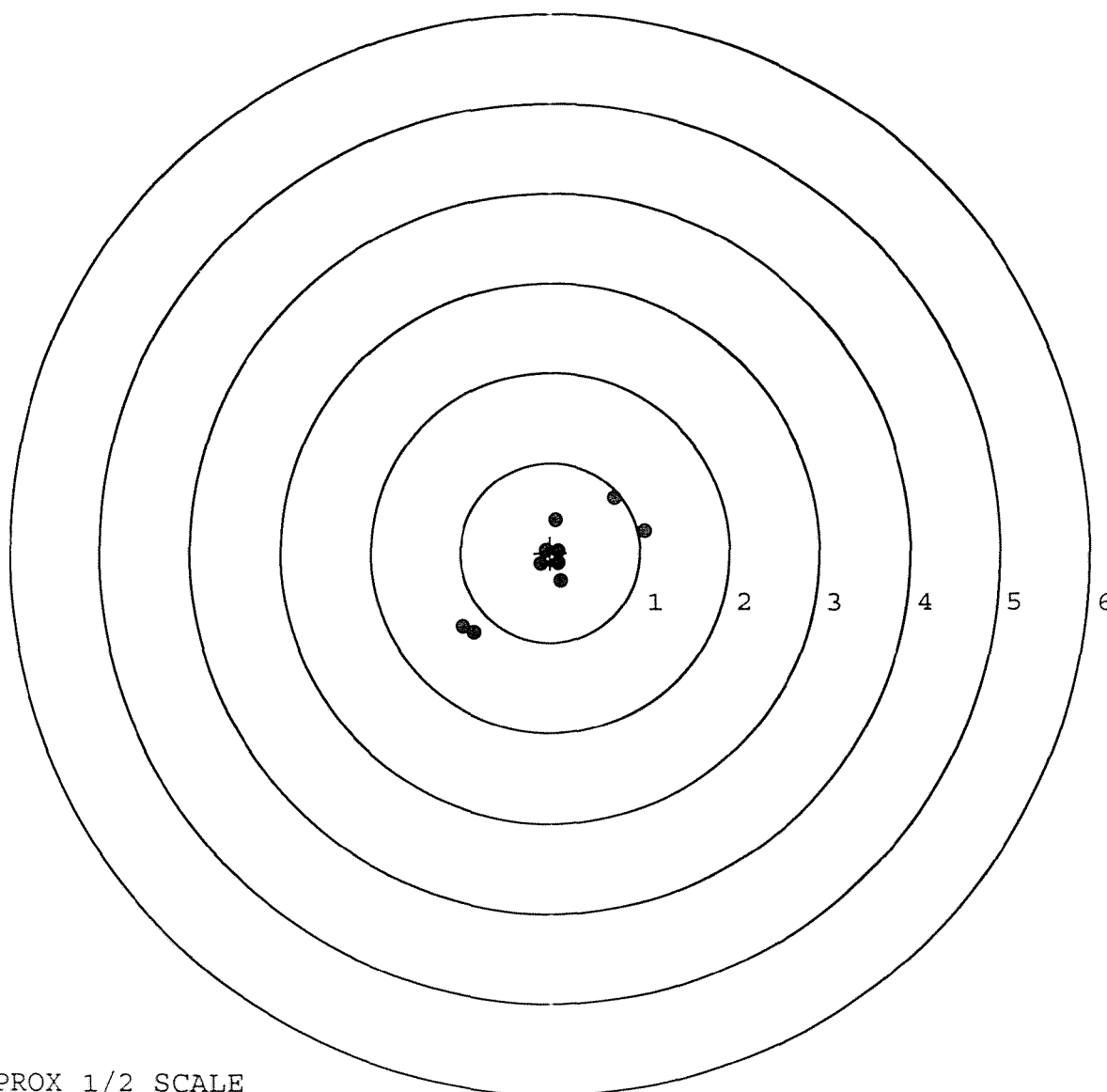
TARGET APPROX 1/2 SCALE

BARBER - M24 0035599

SERIAL NUMBER: C6611764. __0
TARGET NUMBER: 3
FILE DATE: 04/01/2008
FILE TIME: 06:17

X CENTROID: 0.014
Y CENTROID: -0.104
POA TO CENTROID: 0.105
HORZ SPREAD: 2.027
VERT SPREAD: 1.509
GROUP SPREAD: 2.299
MIN RADIUS: 0.075
MAX RADIUS: 1.231
MEAN RADIUS: 0.571
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.848	-0.903
2:	-0.974	-0.839
3:	1.053	0.245
4:	0.720	0.606
5:	0.059	0.360
6:	0.115	-0.320
7:	0.087	-0.120
8:	0.090	0.024
9:	-0.112	-0.126
10:	-0.049	0.032



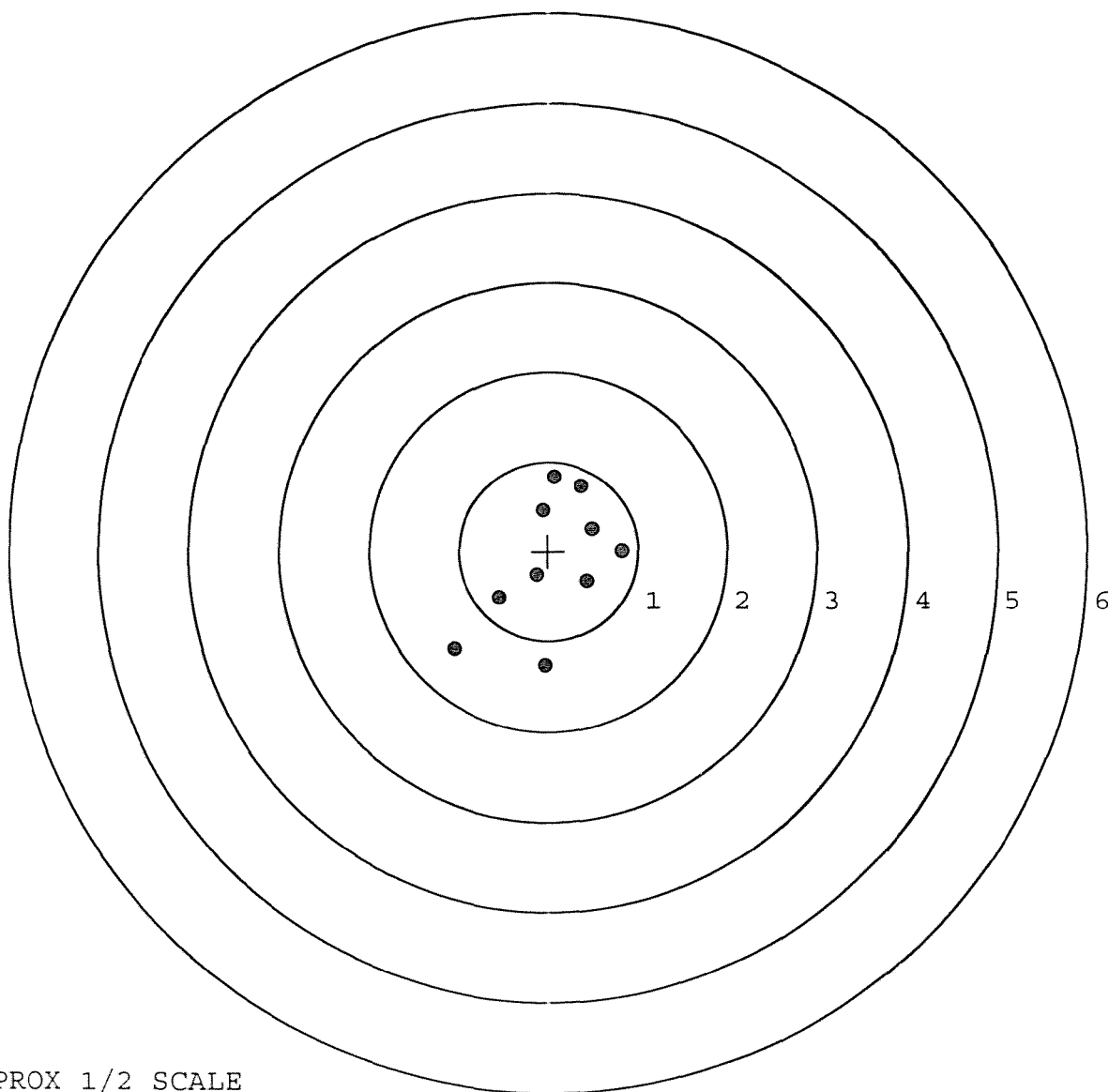
TARGET APPROX 1/2 SCALE

BARBER - M24 0035600

SERIAL NUMBER: C6611764. __0
TARGET NUMBER: 4
FILE DATE: 04/01/2008
FILE TIME: 06:17

X CENTROID: 0.035
Y CENTROID: -0.123
POA TO CENTROID: 0.128
HORZ SPREAD: 1.876
VERT SPREAD: 2.108
GROUP SPREAD: 2.316
MIN RADIUS: 0.219
MAX RADIUS: 1.459
MEAN RADIUS: 0.785
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.822	-0.002
2:	0.487	0.253
3:	0.437	-0.338
4:	-0.066	0.455
5:	0.372	0.731
6:	0.067	0.832
7:	-0.131	-0.267
8:	-0.550	-0.526
9:	-1.054	-1.094
10:	-0.037	-1.276



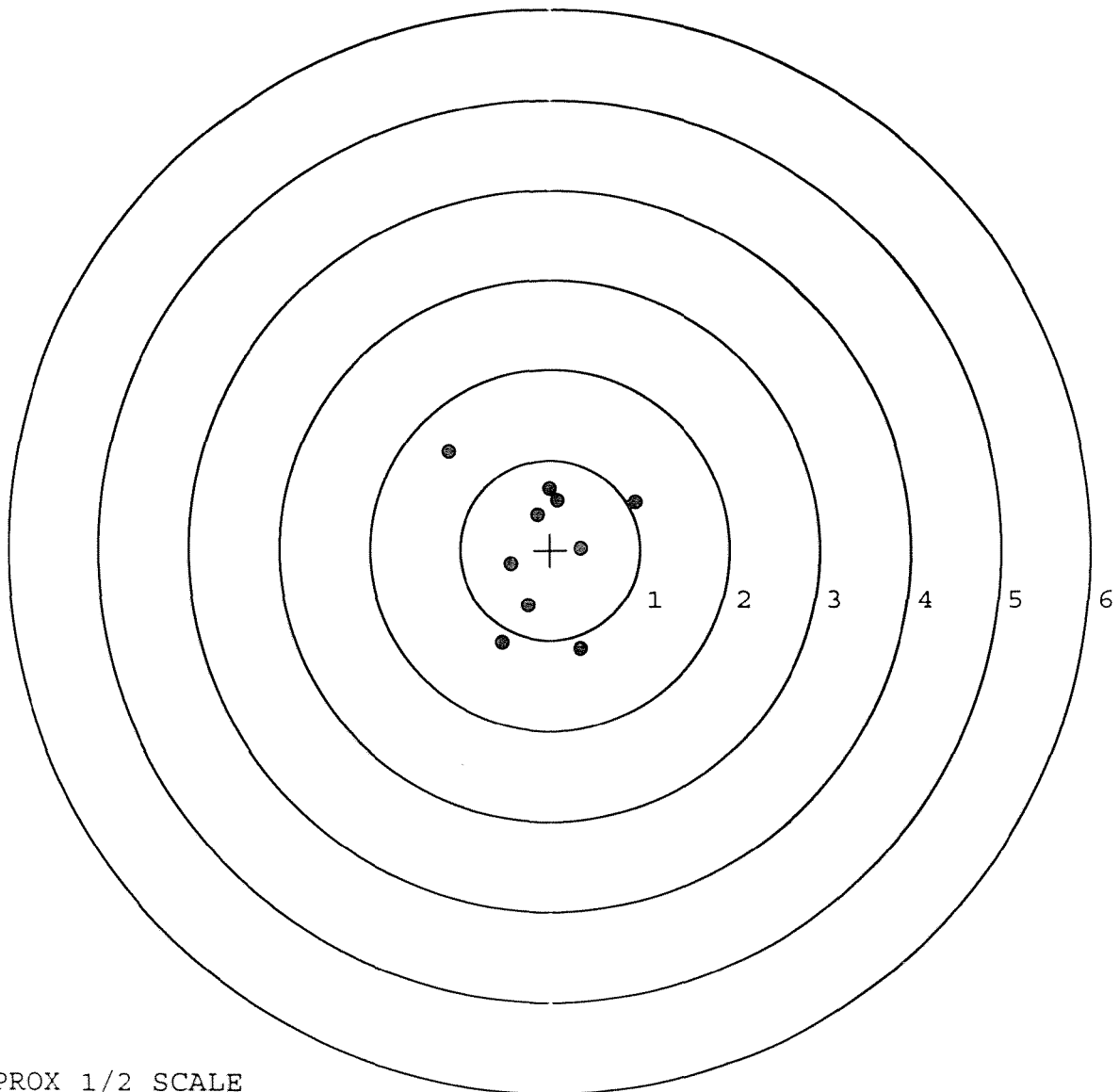
TARGET APPROX 1/2 SCALE

BARBER - M24 0035601

SERIAL NUMBER: C6611764. __0
TARGET NUMBER: 5
FILE DATE: 04/01/2008
FILE TIME: 06:17

POINT#	X	Y
1:	0.951	0.529
2:	0.343	0.018
3:	-0.435	-0.161
4:	-0.243	-0.623
5:	-0.531	-1.038
6:	0.342	-1.101
7:	-1.122	1.087
8:	-0.010	0.682
9:	0.086	0.549
10:	-0.146	0.389

X CENTROID: -0.077
Y CENTROID: 0.033
POA TO CENTROID: 0.083
HORZ SPREAD: 2.073
VERT SPREAD: 2.188
GROUP SPREAD: 2.633
MIN RADIUS: 0.363
MAX RADIUS: 1.485
MEAN RADIUS: 0.806
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER 00141690SERIAL NUMBER C6611764LOG-IN DATE 2-14-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	2-20-08	L.P.W.
505	RE-BARREL	2-20-08	L.P.W.
560	ASSEMBLE	2-20-08	L.P.W.
600	PROOF	2-20-08	TRW
605	CHECK HEADSPACE	2-20-08	TRW
610	DIS-ASSEMBLE GUN	3-12-08	RTZ
612	MAGNAFLUX	3/14/08	Wmms
510	DRILL AND TAP	3-12-08	Fm
615	ROLLMARK CALIBER	3-13-08	CW
618	ROTO-BLAST	3-14-08	DG
620	APPLY COATINGS	3/20/08	Hoo
625	FINAL ASSEMBLY	3-28-08	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	3-31-08 TRW
650	TARGET	(PASS) FAIL	3-31-08 TRW
	MALFUNCTION CH over live rds	CORRECTION OK	4-3-08 TRW
	MALFUNCTION	CORRECTION	N/A
	MALFUNCTION	CORRECTION	N/A
	MALFUNCTION	CORRECTION	3-31-08 RP
670	FINAL INSPECTION	4-3-08	Fm
	A) HEADSPACE	(PASS) FAIL	4-3-08 Fm
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.50 2.43 2.59 2.58 2.45 4/2/08 Fm
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5- 5- 4.5 4/2/08 Fm
	G) SAFETY OFF FORCE	2 LBS MIN	3- 2.5 2.5 4/2/08 Fm
	I) FIRING PIN INDENT	.020	.023 .023 .023 4/2/08 Fm
690	PACK		4/7/08 Fm

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

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

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

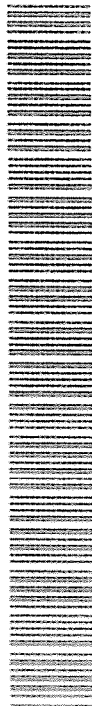
MODEL 700TM H24

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

SERIAL NO.
C6611764

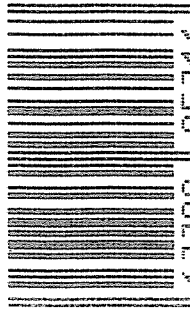
ORDER NO.
5716

20



5716 C6611764

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611764

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 10 91		RW
600	Proof	1 10 91		RW
607	Check Headspace	1 10 91		RW
610	Dis-assemble Gun	1 10 91		RW
612	Magnaflux Barrel Action		1/16/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GS
617	Drill and Tap Sight Holes	1 17 91		LB
618	Polish Barrel	1 17 91		WB
620	Apply Coatings (Barrel Action)		2-12-91	DD
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/19/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/19/91	RW
	C) Inspect Ejector Hole for Chamfer		2/19/91	RW
	D) Oil Firing Pin Ass'y		2/19/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		3/8/91	SM

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/4	5 1/4	5 1/4			3/8/91	WB
	G) Safety Off Force	7 1/2	7 1/2	7 1/2			3/8/91	WB
	H) Trigger Pull Test & Retainability						3/8/91	JH
	I) Firing Pin Indent	.0225	.0225	.0225			3/8/91	WB
	J) Assemble Stock						3/9/91	RW
	K) Assemble Swivel Studs						3-11-91	DH
	L) Attach Front and Rear Sight Assemblies						3/9/91	RW
	M) Iron Sight Alignment						3/9/91	RW
	N) Detach Front & Rear Sights & place in numbered container						3/9/91	RW
	O) Attach Scope to Rifle						3/9/91	RW
	P) Detach & Attach Scope 20 Times						3/9/91	RW
640	Gallery Target & Test						3-9-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						3-9-91	NF
655	Final Inspection							
	A) Headspace						3-11-91	DH
	B) Trigger Pull	2.47	2.54	2.55	2.50	2.30	3/11/91	JH
	C) Function						3-11-91	DH
660	Pack						3-19-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06611764

DATE 3-8-91

TESTER JA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.44	2.38	2.47	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.35	2.38	2.54	
PULL #3	2.29	2.37	2.41	2.55	
PULL #4	2.34	2.37	2.43	2.50	
PULL #5	2.37	2.41	2.41	2.30	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.13		
PULL #2	3.21	3.18		
PULL #3	3.28	3.17		
PULL #4	3.34	3.22		
PULL #5	3.34	3.24		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.20		4.17
PULL #2	4.26	4.21		4.18
PULL #3	4.23	4.21		4.22
PULL #4	4.28	4.26		4.23
PULL #5	4.23	4.22		4.21
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6111764
9 Mar 1991

CENTROIDAL DISTANCES

0 TO	1	.627873
1 TO	2	.435791
1 TO	3	.748637
1 TO	4	1.1579
1 TO	5	.691608

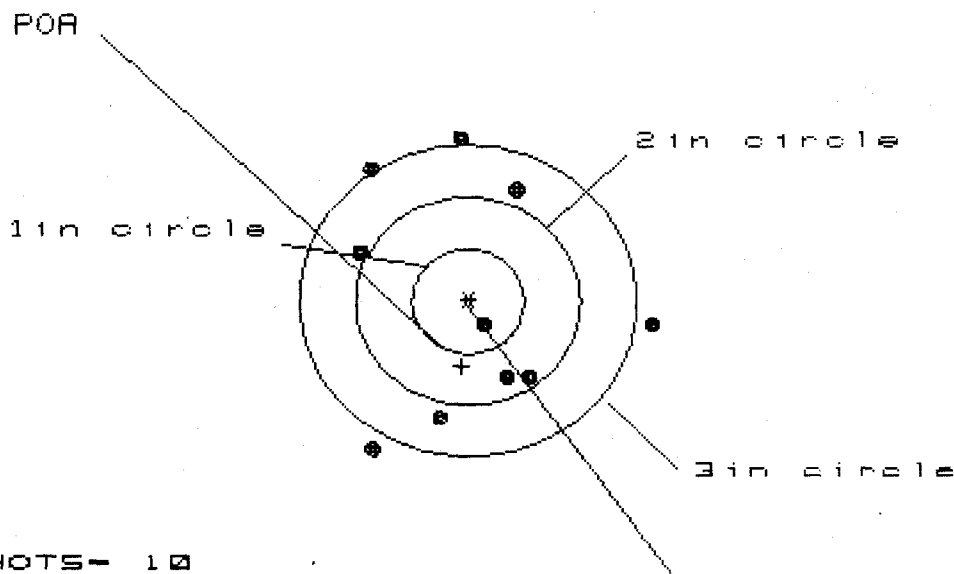
$\begin{matrix} & 1 \\ 3 & \frac{2}{5} \\ & 4 \end{matrix}$
 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1576
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .116
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .195688
 THE AVE FOR THIS RIFLE IS: 1.137

9 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611764

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 6

HS= 2.616

VS= 3.046

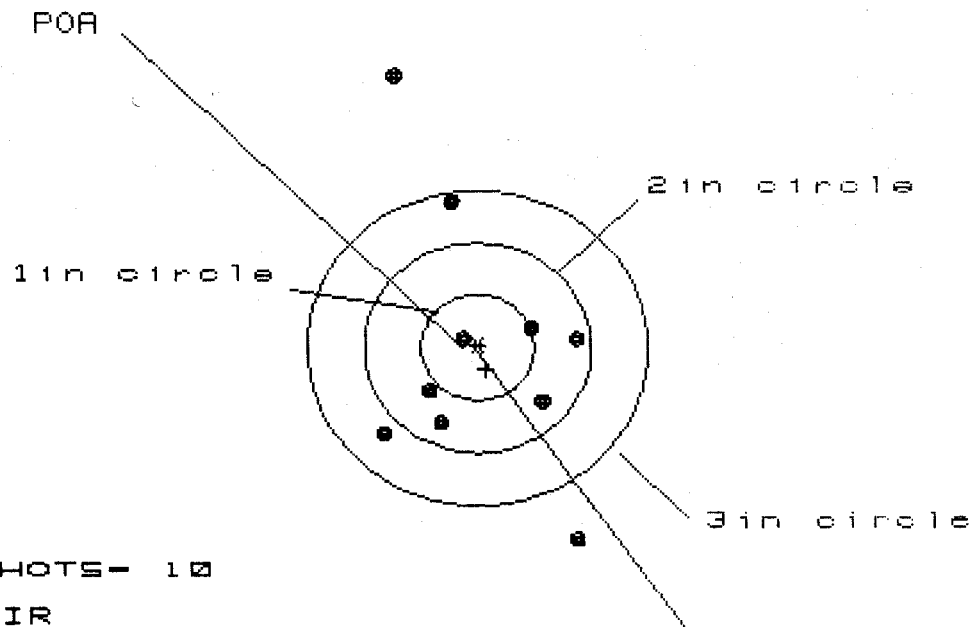
GS= 3.161

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.619	1.523	.653
MINIMUM X	-.997	-1.093	-.903
MAXIMUM Y	1.584	1.421	1.367
MINIMUM Y	-1.462	-1.260	-1.314
CENTROID X	.060	.156	-.034
CENTROID Y	.625	.788	.842
POA TO CENTROID in.	.628	.803	.843
MIN RADIUS	.233	.374	.469
MEAN RADIUS	1.193	1.145	1.089
MAX RADIUS	1.699	1.583	1.369
HORIZONTAL SPREAD	2.616	2.616	1.556
VERTICAL SPREAD	3.046	2.681	2.681
EXTREME SPREAD	3.161	2.979	2.692
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	6		

9 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611764

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 8

HS = 1.698

VS = 4.369

GS = 4.654

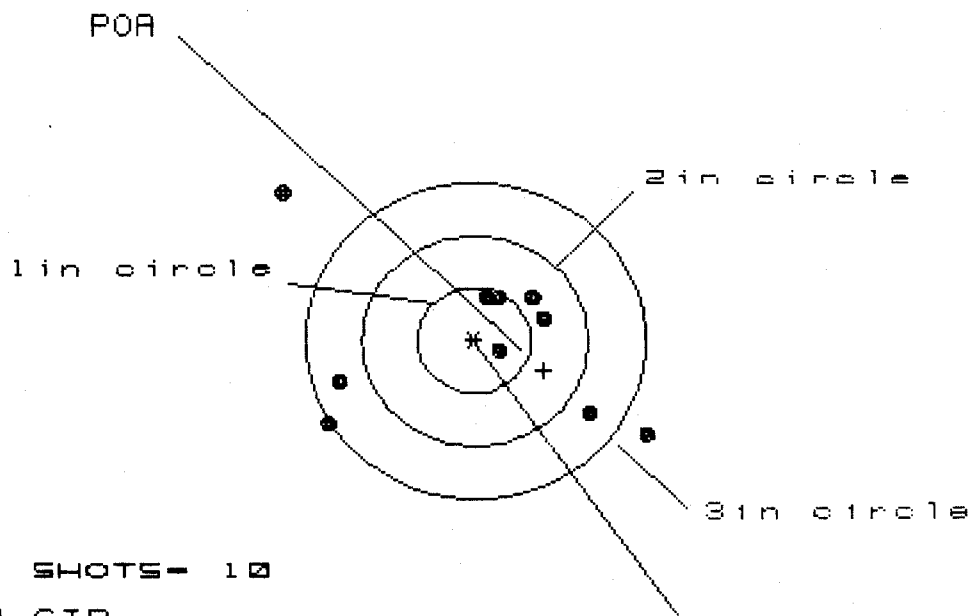
CENTROID *

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.856	.773	.857
MINIMUM X	:	-.842	-.925	-.829
MAXIMUM Y	:	2.577	1.673	1.484
MINIMUM Y	:	-1.792	-1.505	-.690
CENTROID X	:	-.073	.010	-.086
CENTROID Y	:	.210	-.077	.112
POA TO CENTROID in.	:	.222	.077	.141
MIN RADIUS	:	.135	.394	.184
MEAN RADIUS	:	1.088	.885	.768
MAX RADIUS	:	2.684	1.695	1.495
HORIZONTAL SPREAD	:	1.698	1.698	1.686
VERTICAL SPREAD	:	4.369	3.178	2.174
EXTREME SPREAD	:	4.654	3.347	2.269
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			8	

9 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611764

CENTERFIRE PATTERNS # 3



* OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 3.223

VS= 2.234

GS= 3.922

CENTROID *

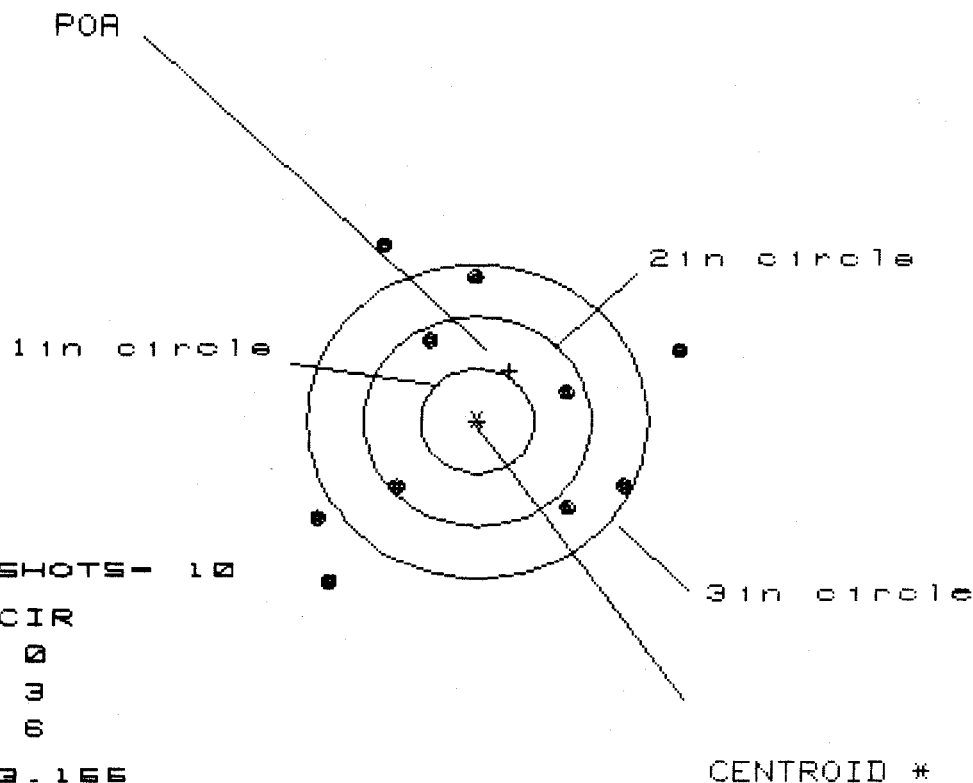
PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.483	1.289	.931
MINIMUM X	:	-1.740	-1.484	-1.323
MAXIMUM Y	:	1.366	.610	.520
MINIMUM Y	:	-.868	-.716	-.755
CENTROID X	:	-.609	-.415	-.577
CENTROID Y	:	.289	.137	.227
POA TO CENTROID in.	:	.674	.437	.619
MIN RADIUS	:	.206	.098	.167
MEAN RADIUS	:	1.040	.883	.810
MAX RADIUS	:	2.212	1.626	1.523
HORIZONTAL SPREAD	:	3.223	2.773	2.254
VERTICAL SPREAD	:	2.234	1.326	1.275
EXTREME SPREAD	:	3.922	2.773	2.256
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

9 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611764

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 6

HS= 3.166

VS= 3.199

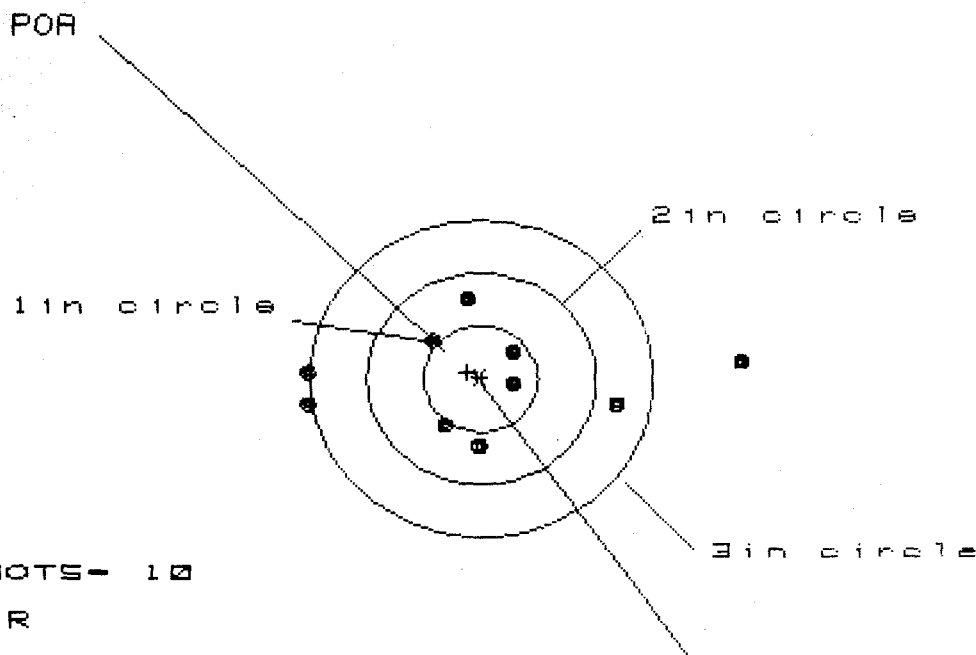
GS= 3.782

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.743	1.595	1.297
MINIMUM X	:	-1.423	-1.571	-1.371
MAXIMUM Y	:	1.638	1.465	1.524
MINIMUM Y	:	-1.561	-1.135	-1.076
CENTROID X	:	-.286	-.138	-.338
CENTROID Y	:	-.480	-.307	-.366
POA TO CENTROID in.	:	.559	.336	.498
MIN RADIUS	:	.832	.658	.707
MEAN RADIUS	:	1.397	1.299	1.252
MAX RADIUS	:	2.049	1.938	1.743
HORIZONTAL SPREAD	:	3.166	3.166	2.668
VERTICAL SPREAD	:	3.199	2.600	2.600
EXTREME SPREAD	:	3.782	3.552	3.046
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	6		

9 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611764

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 7

HS= 3.785

VS= 1.318

GS= 3.786

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.269	1.417	1.259
MINIMUM X	:	-1.516	-1.264	-1.399
MAXIMUM Y	:	.728	.746	.756
MINIMUM Y	:	-.591	-.572	-.562
CENTROID X	:	.120	-.132	.026
CENTROID Y	:	-.064	-.082	-.092
POA TO CENTROID in.	:	.136	.156	.096
MIN RADIUS	:	.311	.449	.403
MEAN RADIUS	:	.966	.819	.739
MAX RADIUS	:	2.275	1.436	1.416
HORIZONTAL SPREAD	:	3.785	2.681	2.658
VERTICAL SPREAD	:	1.318	1.318	1.318
EXTREME SPREAD	:	3.786	2.699	2.658
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	7		