

C6611578

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

M2400079103

ITEM SUBJECT TO PROTECTIVE ORDER

 		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		SERIAL NO. C6611578
46		ORDER NO. 5716



5716 C6611578

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611578

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 28	91	RW
600	Proof	3 28	91	RW
607	Check Headspace	3 28	91	RW
610	Dis-assemble Gun	3 28	91	RW
612	Magnaflux Barrel Action	APR 2 1991		KR
	Magnaflux Bolt	APR 2 1991		lr
615	Rollmark Caliber	APR 2 1991		JS
617	Drill and Tap Sight Holes	APR 5 1991		LB
618	Polish Barrel	APR 5 1991		WB
620	Apply Coatings (Barrel Action)		4/10/91	JS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/10/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/10/91	RW
	C) Inspect Ejector Hole for Chamfer		4/10/91	RW
	D) Oil Firing Pin Ass'y		4/10/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/12/91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6 1/2	6 1/2	6			4-15-91	D/H
	G) Safety Off Force	3 1/2	4	4			4-15-91	D/H
	H) Trigger Pull Test & Retainability						4/12/91	RM
	I) Firing Pin Indent	1.022	1.020	1.021			4-15-91	D/H
	J) Assemble Stock						4/16/91	RW
	K) Assemble Swivel Studs						5-2-91	D/H
	L) Attach Front and Rear Sight Assemblies						4/16/91	RW
	M) Iron Sight Alignment						4/16/91	RW
	N) Detach Front & Rear Sights & place in numbered container						4/16/91	RW
	O) Attach Scope to Rifle						4/16/91	RW
	P) Detach & Attach Scope 20 Times						4/16/91	RW
640	Gallery Target & Test						4/17/91	KS
	A) Time							KS
	B) Malfunctions							KS
	C) Pierced Primers							KS
	D) Optical Clarity of Scope							KS
645	Inspect for Live Ammo						4/17/91	KS
655	Final Inspection							
	A) Headspace						5-2-91	D/H
	B) Trigger Pull	2.26	2.20	2.23	2.24	2.26	4/26/91	RM
	C) Function						5-2-91	D/H
660	Pack						6-15-91	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6611578DATE 4/12/91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.19	2.35	2.30	2.26	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.19	2.33	2.30	2.20	
PULL #3	2.25	2.32	2.36	2.23	
PULL #4	2.28	2.33	2.38	2.24	
PULL #5	2.27	2.32	2.30	2.26	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.52	3.48		
PULL #2	3.47	3.49		
PULL #3	3.44	3.46		
PULL #4	3.43	3.48		
PULL #5	3.48	3.48		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.32		4.28
PULL #2	4.28	4.27		4.27
PULL #3	4.19	4.22		4.33
PULL #4	4.27	4.20		4.31
PULL #5	4.26	4.25		4.28
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611578
17 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.218323
1 TO	2	.466181
1 TO	3	.183883
1 TO	4	.550587
1 TO	5	.158095

$\frac{45}{2}$ + <----POA

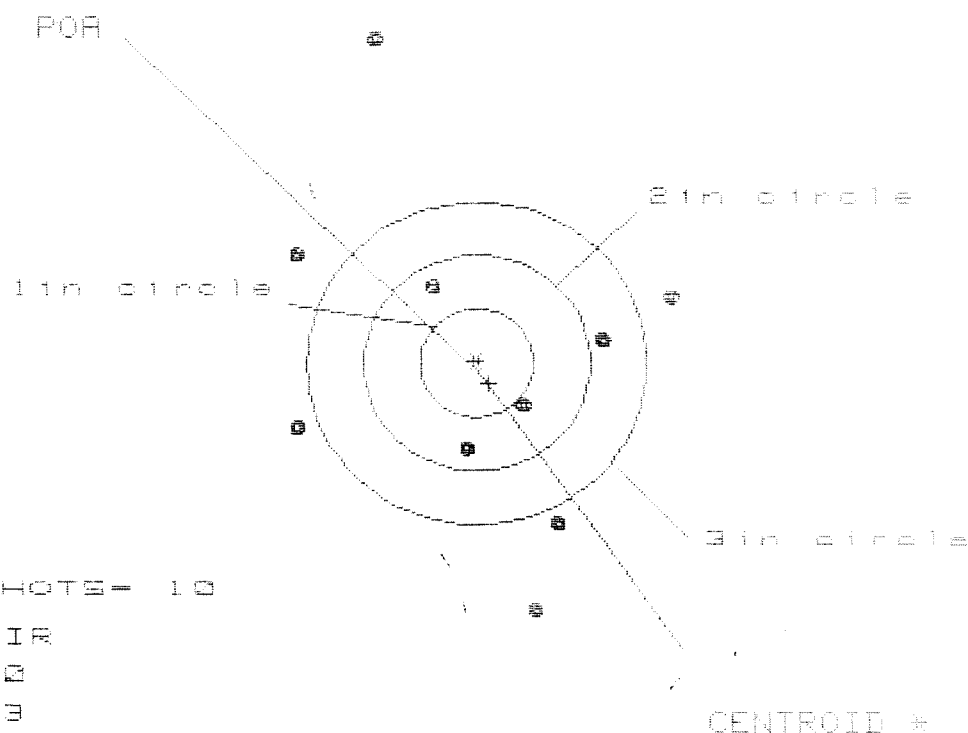
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .00002
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .00000
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .00000021
THE AMR FOR THIS RIFLE IS: 1.243

Re target / Record

17 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611578

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 3

3in = 4

HS= 3.256

VS= 5.225

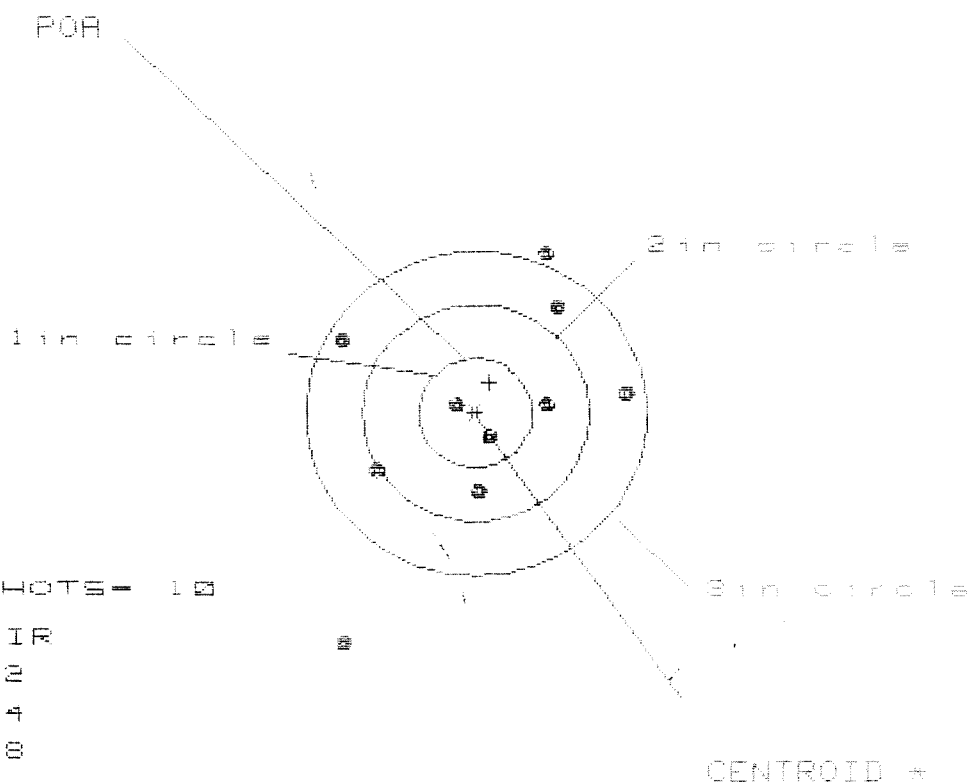
GS= 5.423

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.677	1.575	1.630
MINIMUM X	:	-1.579	-1.681	-1.626
MAXIMUM Y	:	2.965	1.353	1.111
MINIMUM Y	:	-2.260	-1.930	-1.352
CENTROID X	:	-1.111	-1.009	-1.064
CENTROID Y	:	.188	-.142	.100
POR TO CENTROID in.	:	.218	.142	.118
MIN RADIUS	:	.602	.348	.509
MEAN RADIUS	:	1.581	1.350	1.284
MAX RADIUS	:	3.103	2.143	1.954
HORIZONTAL SPREAD	:	3.256	3.256	3.256
VERTICAL SPREAD	:	5.225	3.283	2.463
EXTREME SPREAD	:	5.423	3.896	3.487
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		4	

17 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611578

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS = 2.584

VS = 3.674

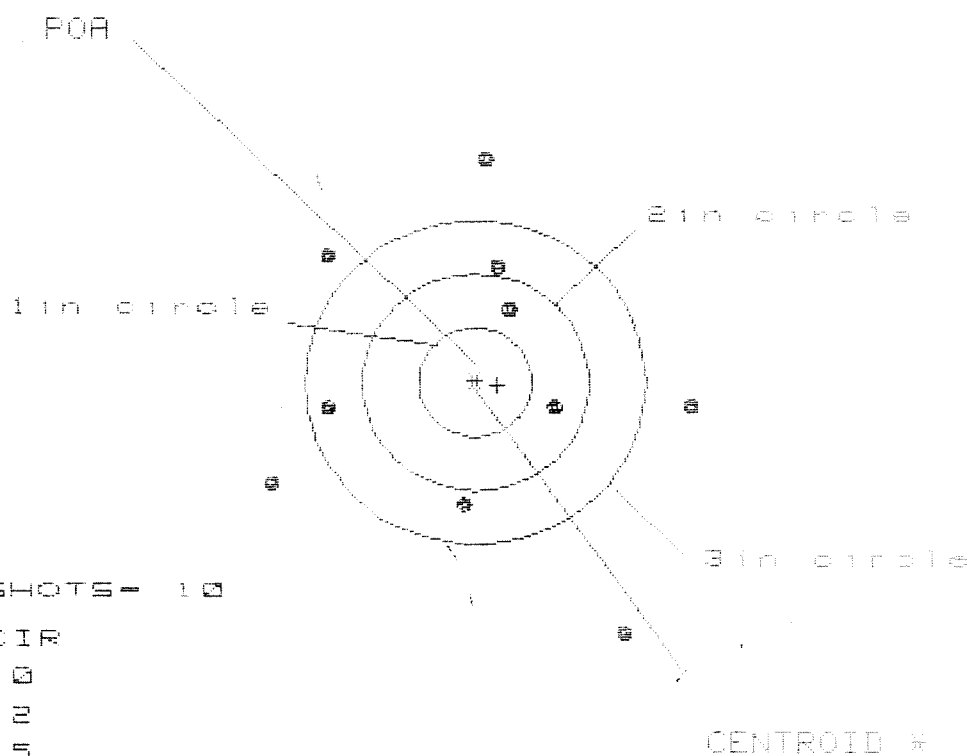
GS = 4.065

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.360	1.233	1.292
MINIMUM X	:	-1.224	-1.351	-1.292
MAXIMUM Y	:	1.516	1.276	.925
MINIMUM Y	:	-2.158	-.973	-.813
CENTROID X	:	-.124	.003	-.056
CENTROID Y	:	-.278	-.038	-.198
POA TO CENTROID in.	:	.305	.039	.206
MIN RADIUS	:	.153	.308	.201
MEAN RADIUS	:	1.088	.949	.859
MAX RADIUS	:	2.440	1.424	1.428
HORIZONTAL SPREAD	:	2.584	2.584	2.584
VERTICAL SPREAD	:	3.674	2.249	1.738
EXTREME SPREAD	:	4.065	2.628	2.628
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

17 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611578

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 2

3 in = 5

HS = 3.692

VS = 4.430

GS = 4.573

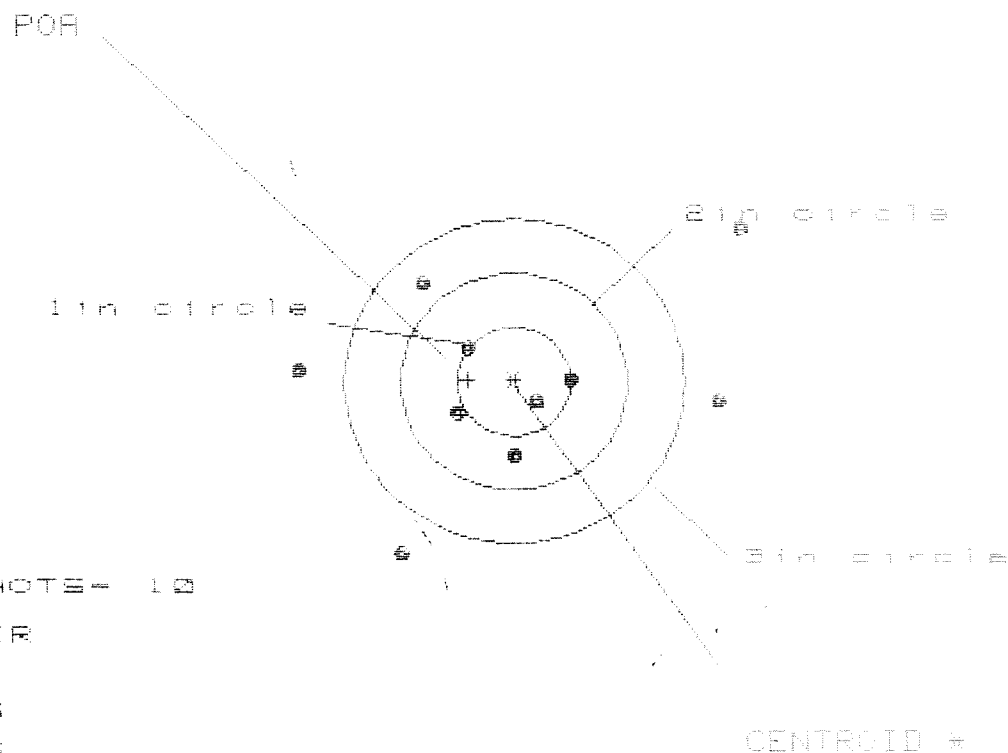
PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.849	1.988	2.019
MINIMUM X	-1.843	-1.704	-1.673
MAXIMUM Y	2.113	1.856	1.138
MINIMUM Y	-2.317	-1.372	-1.140
CENTROID X	-1.198	-1.337	-1.368
CENTROID Y	.026	.283	.051
FOR TO CENTROID in.	.200	.440	.372
MIN RADIUS	.746	.617	.812
MEAN RADIUS	1.541	1.394	1.334
MAX RADIUS	2.631	2.063	2.040
HORIZONTAL SPREAD	3.692	3.692	3.692
VERTICAL SPREAD	4.430	3.228	2.278
EXTREME SPREAD	4.573	3.748	3.748
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	5		

17 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11578

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 4

HS= 3.908

VS= 2.958

GS= 4.209

PATTERN #

:

4

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

2.023

2.045

1.838

MINIMUM X

:

-1.885

-1.661

-1.955

MAXIMUM Y

:

1.404

1.079

1.113

MINIMUM Y

:

-1.554

-1.398

-1.364

CENTROID X

:

.400

.176

.383

CENTROID Y

:

-.017

-.173

-.207

POA TO CENTROID in.:

.401

.246

.436

MIN RADIUS

:

.225

.281

.177

MEAN RADIUS

:

1.169

1.005

.901

MAX RADIUS

:

2.462

2.047

1.838

HORIZONTAL SPREAD

:

3.908

3.706

2.793

VERTICAL SPREAD

:

2.958

2.477

2.477

EXTREME SPREAD

:

4.209

3.722

3.094

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

5

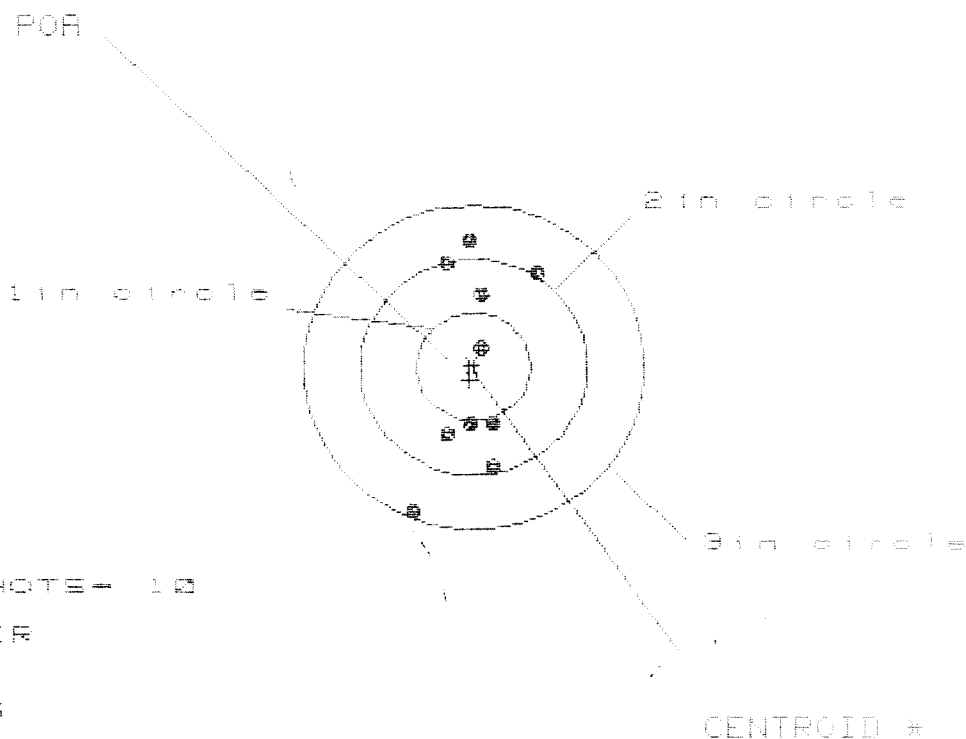
NUMBER IN THREE INCH CIRCLE =

6

17 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611578

CENTERFIRE PATTERNS # 5



OF SHOTS = 10
 # IN CIR
 1in = 1
 2in = 6
 3in = 10
 HS = 1.152
 VS = 2.488
 GS = 2.543

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.586	.523	.510
MINIMUM X	:	-.567	-.299	-.312
MAXIMUM Y	:	1.206	1.063	.968
MINIMUM Y	:	-1.282	-1.083	-.950
CENTROID X	:	.034	.097	.110
CENTROID Y	:	.125	.268	.135
POA TO CENTROID in.	:	.130	.285	.174
MIN RADIUS	:	.219	.073	.206
MEAN RADIUS	:	.836	.757	.716
MAX RADIUS	:	1.482	1.084	1.017
HORIZONTAL SPREAD	:	1.153	.822	.822
VERTICAL SPREAD	:	2.488	2.146	1.918
EXTREME SPREAD	:	2.543	2.152	1.950
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06611578
23 Apr 1991

CENTROIDAL DISTANCES

0 TO 1	.164924
1 TO 2	.212664
1 TO 3	.312128
1 TO 4	.308341
1 TO 5	.420171

5th ⁴ (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1836
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1442
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .233458
THE AMR FOR THIS RIFLE IS: .9166

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611578.1

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 3.185

VS = 2.169

GS = 3.337

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.943

1.651

1.162

MINIMUM X

-1.242

-1.026

-.820

MAXIMUM Y

.879

.959

.929

MINIMUM Y

-1.290

-1.210

-1.240

CENTROID X

.160

-.056

-.262

CENTROID Y

.040

-.040

-.010

POA TO CENTROID in.

.165

.069

.262

MIN RADIUS

.336

.135

.092

MEAN RADIUS

1.095

.931

.789

MAX RADIUS

2.073

1.669

1.241

HORIZONTAL SPREAD

3.185

2.677

1.982

VERTICAL SPREAD

2.169

2.169

2.169

EXTREME SPREAD

3.337

2.678

2.196

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

4

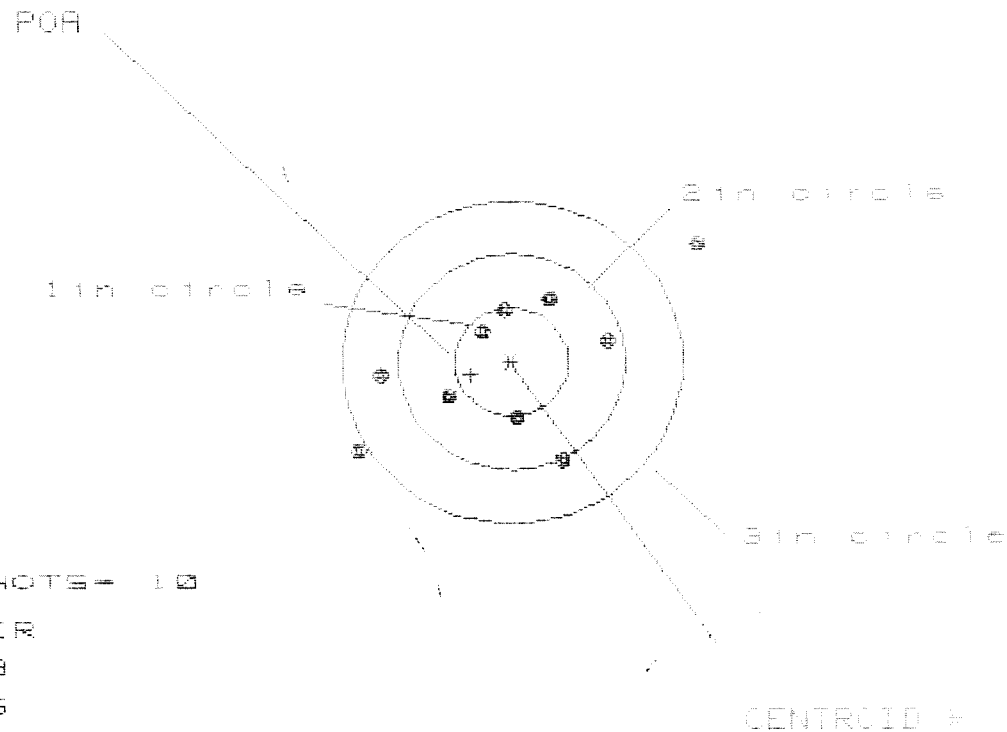
NUMBER IN THREE INCH CIRCLE =

9

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611578.1

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 8

ISD = 0.059

VSD = 2.051

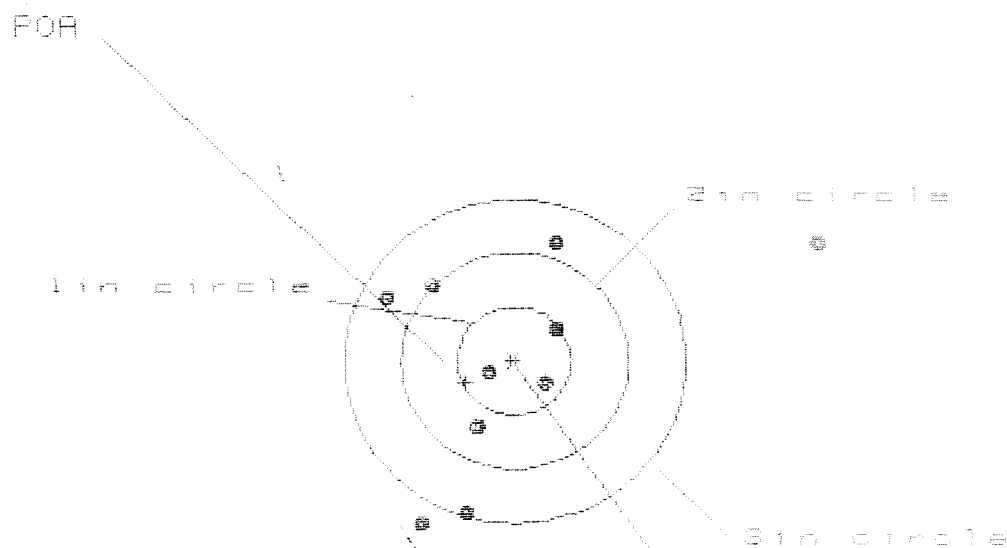
SSD = 3.499

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.631	1.015	.872
MINIMUM X	-1.328	-1.147	-1.090
MAXIMUM Y	1.097	.738	.657
MINIMUM Y	-.954	-.832	-.913
CENTROID X	.359	.178	.321
CENTROID Y	.115	-.007	.074
POA TO CENTROID in.	.377	.178	.330
MIN RADIUS	.397	.386	.412
MEAN RADIUS	.915	.787	.707
MAX RADIUS	1.966	1.318	1.092
HORIZONTAL SPREAD	2.959	2.162	1.962
VERTICAL SPREAD	2.051	1.570	1.570
EXTREME SPREAD	3.499	2.352	1.980
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611578.1

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 3

2in = 4

3in = 8

HS = 3.850

VS = 2.553

GS = 4.400

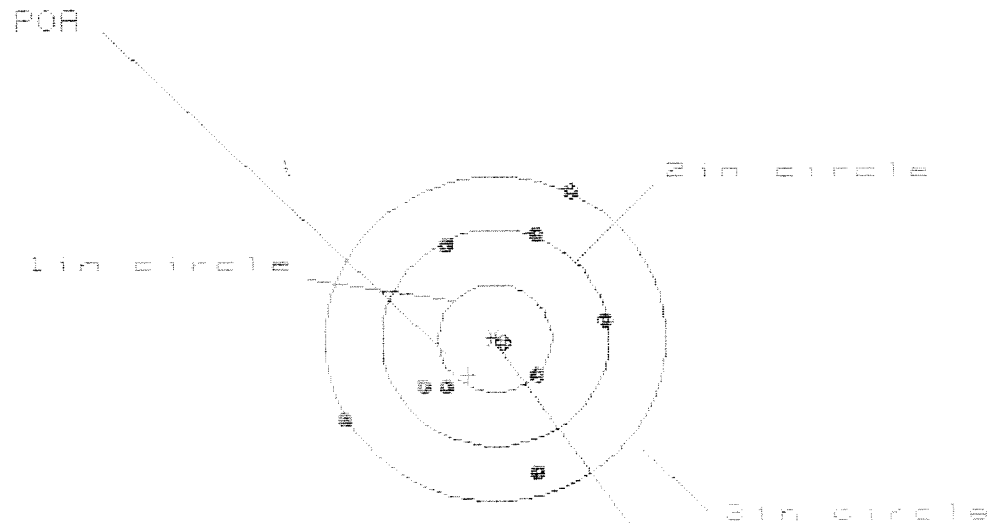
CENTROID #

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.710	.670	.599
MINIMUM X	-1.140	-.839	-.910
MAXIMUM Y	1.084	1.176	1.008
MINIMUM Y	-1.469	-1.349	-1.466
CENTROID X	.428	.127	.198
CENTROID Y	.200	.080	.248
POA TO CENTROID in.	.472	.150	.318
MIN RADIUS	.260	.073	.174
MEAN RADIUS	1.131	.903	.827
MAX RADIUS	2.919	1.465	1.474
HORIZONTAL SPREAD	3.850	1.509	1.509
VERTICAL SPREAD	2.553	2.525	2.473
EXTREME SPREAD	4.400	2.804	2.581
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611578.1

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 2.263

VS= 2.604

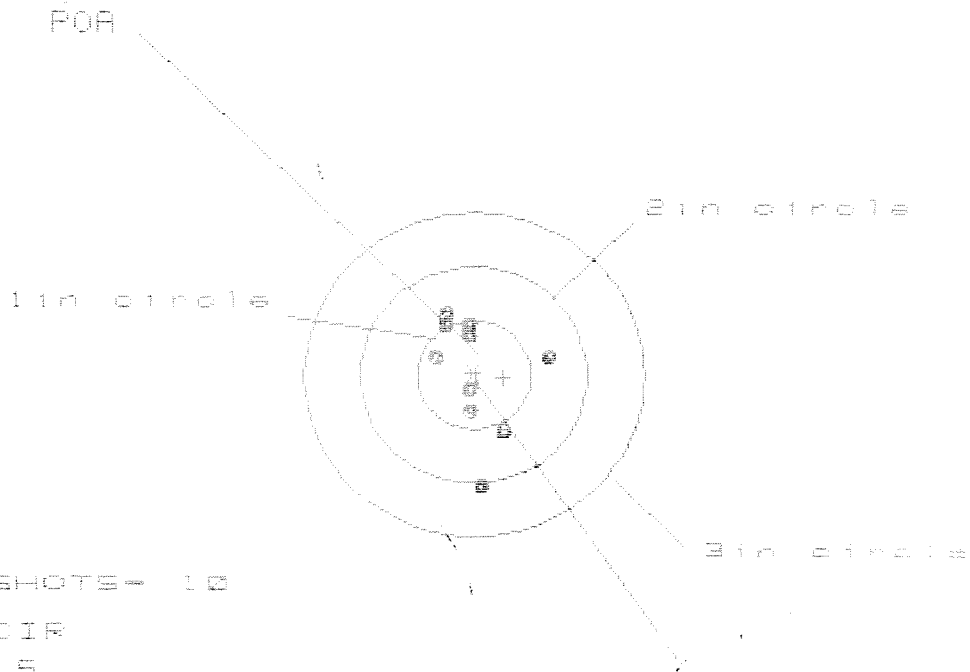
ES= 2.937

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.931	.783	.852
MINIMUM X	-1.332	-.801	-.732
MAXIMUM Y	1.338	1.252	1.030
MINIMUM Y	-1.266	-1.352	-1.196
CENTROID X	.231	.379	.310
CENTROID Y	.338	.424	.267
POA TO CENTROID in.	.409	.569	.409
MIN RADIUS	.086	.127	.048
MEAN RADIUS	.928	.858	.764
MAX RADIUS	1.543	1.370	1.227
HORIZONTAL SPREAD	2.263	1.584	1.584
VERTICAL SPREAD	2.604	2.604	2.226
EXTREME SPREAD	2.937	2.627	2.262
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611578.1

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 5

2in = 9

3in = 10

HS= .984

VS= 1.604

GS= 1.636

CENTROID +

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.648	.657	.929
MINIMUM X	-.936	-.327	-.245
MAXIMUM Y	.555	.439	.443
MINIMUM Y	-1.049	-.690	-.686
CENTROID X	-.260	-.269	-.351
CENTROID Y	.018	.144	.140
POA TO CENTROID in.	.262	.305	.378
MIN RADIUS	.121	.214	.215
MEAN RADIUS	.513	.437	.396
MAX RADIUS	1.052	.733	.761
HORIZONTAL SPREAD	.984	.984	.574
VERTICAL SPREAD	1.604	1.129	1.129
EXTREME SPREAD	1.636	1.228	1.228
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	