

C6636155

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

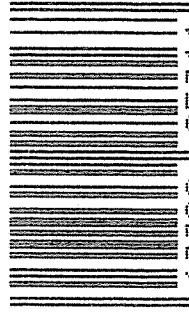
Remington.

Remington® MODEL 700™ H24 MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
 REG. U.S. PAT. & TM. OFF.		SERIAL NO. C6636155
20		ORDER NO. 5716



5716 C6636155

LPC

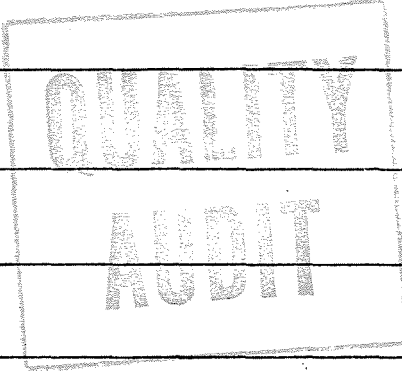


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CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6636155

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		5/1/91	KS
600	Proof		5/1/91	ICS
607	Check Headspace		5/1/91	ICS
610	Dis-assemble Gun		5/1/91	KS
612	Magnaflux Barrel Action		5 8 9 1	Kcd
	Magnaflux Bolt		5 8 9 1	Kcd
615	Rollmark Caliber		5 8 9 1	68
617	Drill and Tap Sight Holes		5 15 9 1	LB
618	Polish Barrel		5 15 9 1	WB
620	Apply Coatings (Barrel Action)		5-31-91	
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/1/91	YH
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/1/91	YH
	C) Inspect Ejector Hole for Chamfer		8/1/91	YH
	D) Oil Firing Pin Ass'y		8/1/91	YH
	E) Adjust Trigger Pull to Min Setting and Stake		7-23-91	YH

Op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			7-23-91	SL
	G) Safety Off Force	4	4	4			7/23/91	SL
	H) Trigger Pull Test & Retainability						7-23-91	SL
	I) Firing Pin Indent	.023	.023	.023			7-23-91	SL
	J) Assemble Stock						8/6/91	KA
	K) Assemble Swivel Studs						8-7-91	D/H
	L) Attach Front and Rear Sight Assemblies						8/6/91	KA
	M) Iron Sight Alignment						8/6/91	KA
	N) Detach Front & Rear Sights & place in numbered container						8/6/91	KA
	O) Attach Scope to Rifle						8/6/91	KA
	P) Detach & Attach Scope 20 Times						8/6/91	KA
640	Gallery Target & Test						8-7-91	D/H
	A) Time						8-7-91	D/H
	B) Malfunctions						8-7-91	D/H
	C) Pierced Primers						8-7-91	D/H
	D) Optical Clarity of Scope						8-7-91	D/H
645	Inspect for Live Ammo						8-7-91	D/H
655	Final Inspection						8-7-91	D/H
	A) Headspace						8-7-91	D/H
	B) Trigger Pull	2.11	2.18	2.20	2.15	2.20	8-7-91	SL
	C) Function						8-7-91	D/H
660	Pack						9-17-91	D/H

SWS TRIGGER PULL TEST

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

SERIAL NO. C6636155
DATE 8-5-91
TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.28	2.58	2.11	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.20	2.39	2.18	
PULL #3	2.48	2.23	2.53	2.20	
PULL #4	2.39	2.20	2.43	2.15	
PULL #5	2.34	2.29	2.39	2.20	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.37		
PULL #2	3.40	3.25		
PULL #3	3.41	3.22		
PULL #4	3.42	3.37		
PULL #5	3.45	3.28		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.01	4.03		4.14
PULL #2	4.03	4.05		4.26
PULL #3	4.01	4.42		4.16
PULL #4	4.06	4.34		4.09
PULL #5	4.00	4.23		4.22
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636155
7 Aug 1991

CENTROIDAL DISTANCES

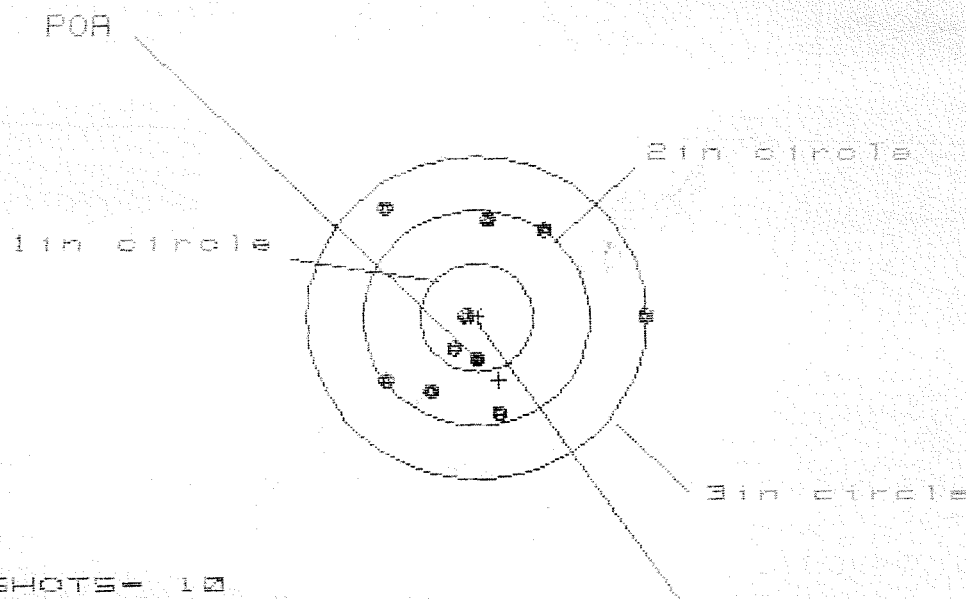
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1 TO	4	1.09081
1 TO	5	.649594

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7 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08638155

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 9

HS = 2.348

VS = 1.801

GS = 2.497

CENTROID *

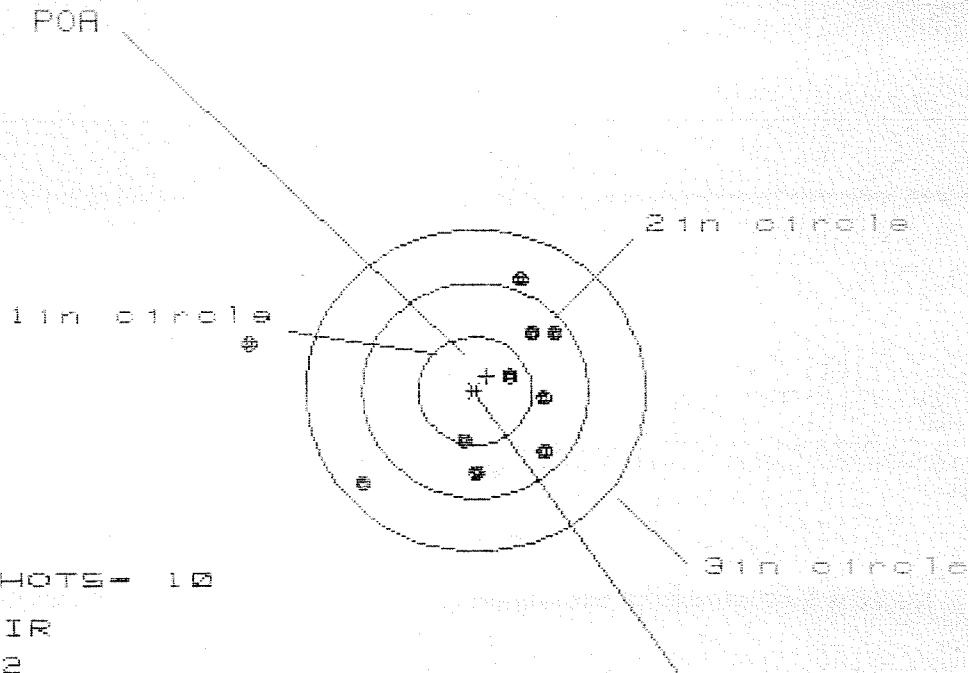
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.503	.775	.697
MINIMUM X	:	-.845	-.678	-.756
MAXIMUM Y	:	.969	.967	1.081
MINIMUM Y	:	-.832	-.834	-.714
CENTROID X	:	-.196	-.363	-.285
CENTROID Y	:	.581	.583	.463
POA TO CENTROID in.	:	.613	.687	.543
MIN RADIUS	:	.124	.047	.110
MEAN RADIUS	:	.826	.728	.644
MAX RADIUS	:	1.503	1.149	1.190
HORIZONTAL SPREAD	:	2.348	1.453	1.453
VERTICAL SPREAD	:	1.801	1.801	1.795
EXTREME SPREAD	:	2.497	2.041	2.041
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C863B155

CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.745

VS= 1.911

GS= 2.796

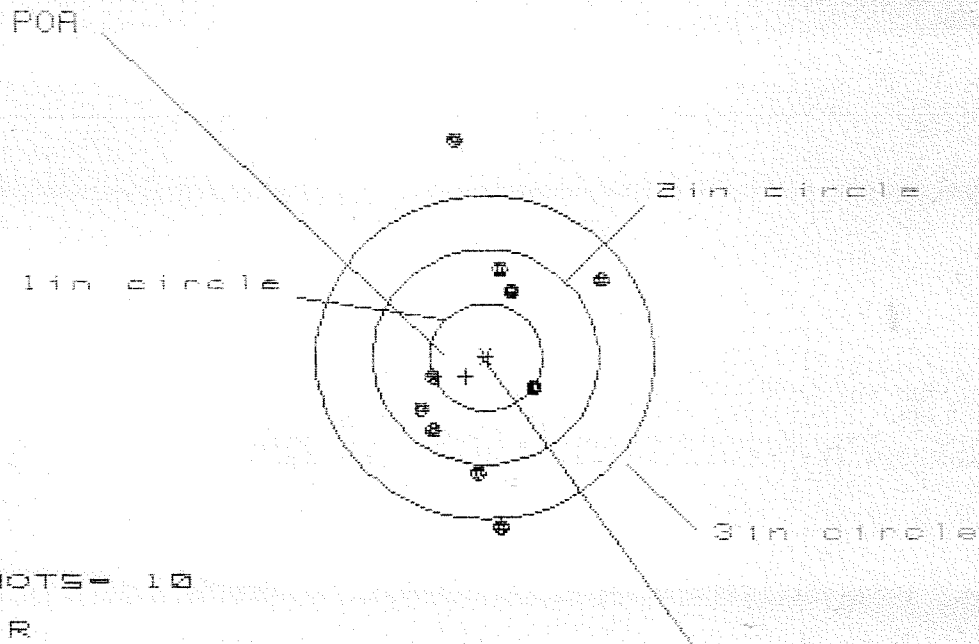
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.709	.493	.327
MINIMUM X	:	-2.036	-1.243	-.461
MAXIMUM Y	:	1.017	1.065	.959
MINIMUM Y	:	-.894	-.846	-.826
CENTROID X	:	-.102	.124	.280
CENTROID Y	:	-.138	-.186	-.080
POA TO CENTROID in.	:	.171	.224	.291
MIN RADIUS	:	.356	.238	.136
MEAN RADIUS	:	.917	.724	.586
MAX RADIUS	:	2.082	1.504	.959
HORIZONTAL SPREAD	:	2.745	1.726	.788
VERTICAL SPREAD	:	1.911	1.911	1.785
EXTREME SPREAD	:	2.796	2.375	1.828
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636155

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 8

HS= 1.522

VS= 3.641

GS= 3.660

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.985	.954	.963
MINIMUM X	:	-.537	-.568	-.559
MAXIMUM Y	:	2.038	1.095	.923
MINIMUM Y	:	-1.603	-1.376	-1.027
CENTROID X	:	.174	.205	.196
CENTROID Y	:	.177	-.050	.122
POA TO CENTROID in.	:	.248	.211	.231
MIN RADIUS	:	.523	.436	.481
MEAN RADIUS	:	1.007	.866	.798
MAX RADIUS	:	2.056	1.378	1.215
HORIZONTAL SPREAD	:	1.522	1.522	1.522
VERTICAL SPREAD	:	3.641	2.471	1.950
EXTREME SPREAD	:	3.660	2.471	2.055
NUMBER IN ONE INCH CIRCLE =			0	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			8	

7 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C663B155

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 7

HS= 2.965

VS= 2.730

GS= 3.250

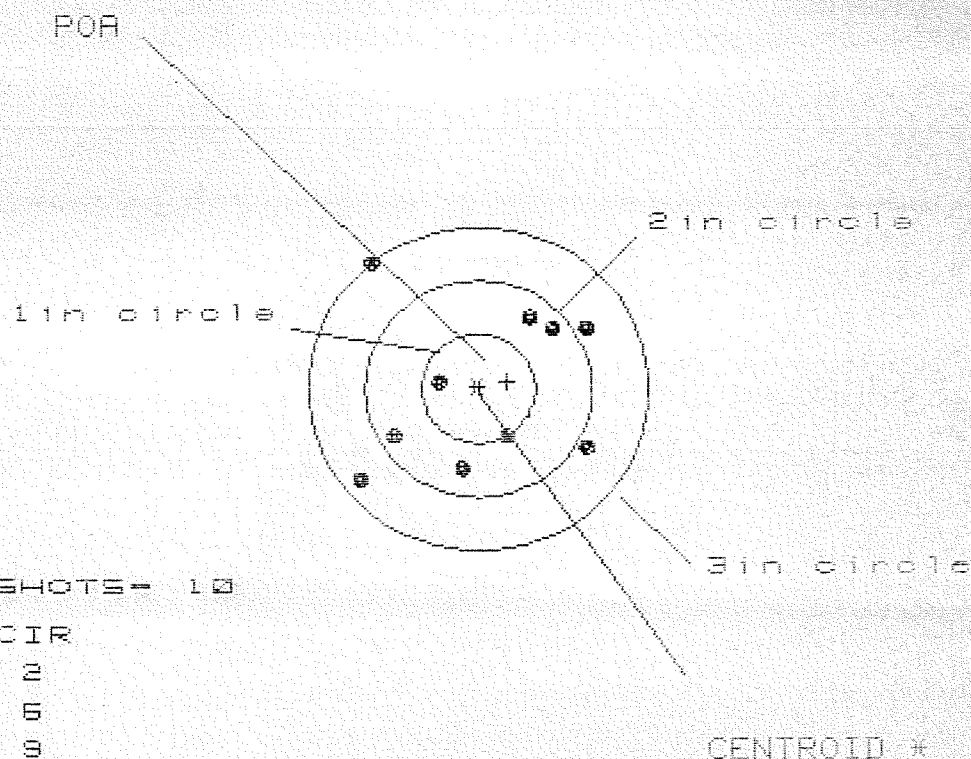
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.301	1.116	.525
MINIMUM X	:	-1.664	-1.332	-1.192
MAXIMUM Y	:	1.501	1.548	1.440
MINIMUM Y	:	-1.229	-1.182	-1.290
CENTROID X	:	.201	.386	.246
CENTROID Y	:	-.435	-.482	-.374
POA TO CENTROID in.	:	.480	.618	.448
MIN RADIUS	:	.563	.478	.607
MEAN RADIUS	:	1.182	1.102	1.065
MAX RADIUS	:	1.716	1.576	1.505
HORIZONTAL SPREAD	:	2.965	2.448	1.717
VERTICAL SPREAD	:	2.730	2.730	2.730
EXTREME SPREAD	:	3.250	2.906	2.730
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

7 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636155

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.031

VS= 1.978

GS= 2.578

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.964	.856	.709
MINIMUM X	-1.067	-1.175	-.963
MAXIMUM Y	1.158	.750	.664
MINIMUM Y	-.820	-.692	-.684
CENTROID X	-.254	-.146	.001
CENTROID Y	-.066	-.194	-.108
POA TO CENTROID in.	.262	.243	.108
MIN RADIUS	.380	.313	.352
MEAN RADIUS	.907	.823	.747
MAX RADIUS	1.507	1.363	1.036
HORIZONTAL SPREAD	2.031	2.031	1.672
VERTICAL SPREAD	1.978	1.442	1.348
EXTREME SPREAD	2.578	2.388	1.873
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636155
14 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.01
1 TO	2	.135713
1 TO	3	.182236
1 TO	4	.185744
1 TO	5	.0599416

←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0842
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0066
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0044583

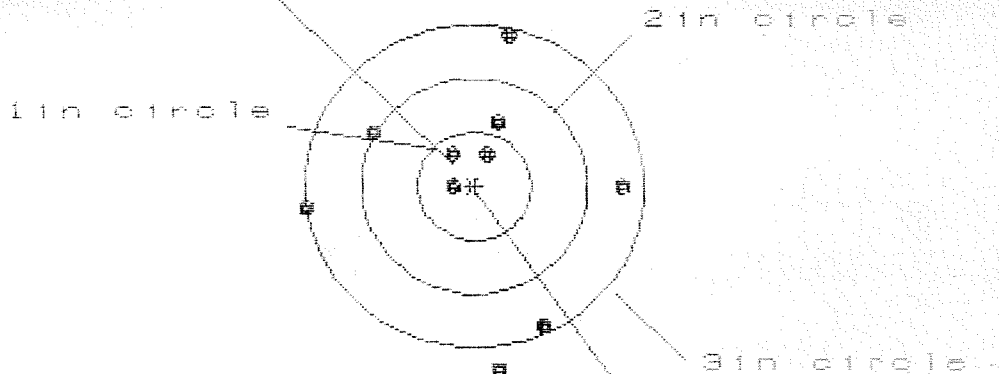
THE AMR FOR THIS RIFLE IS: 1.087

14 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636155.1

CENTERFIRE PATTERNS # 1

POA



OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 9

HS= 2.709

VS= 3.132

GS= 3.133

CENTROID #

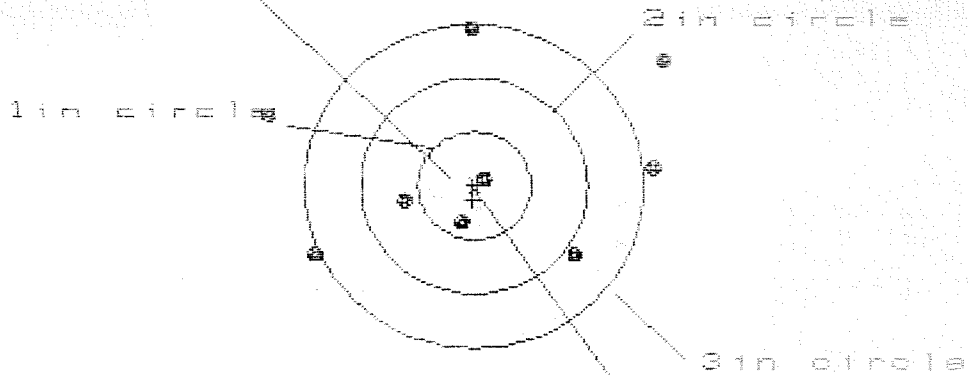
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.260	1.284	1.106
MINIMUM X	:	-1.449	-1.425	-1.018
MAXIMUM Y	:	1.414	1.223	1.180
MINIMUM Y	:	-1.718	-1.471	-1.514
CENTROID X	:	-.010	-.034	.144
CENTROID Y	:	-.000	.191	.234
POA TO CENTROID in.	:	.010	.194	.275
MIN RADIUS	:	.203	.149	.112
MEAN RADIUS	:	.985	.848	.776
MAX RADIUS	:	1.731	1.599	1.580
HORIZONTAL SPREAD	:	2.709	2.709	2.124
VERTICAL SPREAD	:	3.132	2.694	2.694
EXTREME SPREAD	:	3.133	2.713	2.711
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

14 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636155.1

CENTERFIRE PATTERNS # 2

POA



OF SHOTS= 10

IN CIR

1in = 2

2in = 3

3in = 4

HS= 3.449

VS= 3.406

GS= 3.663

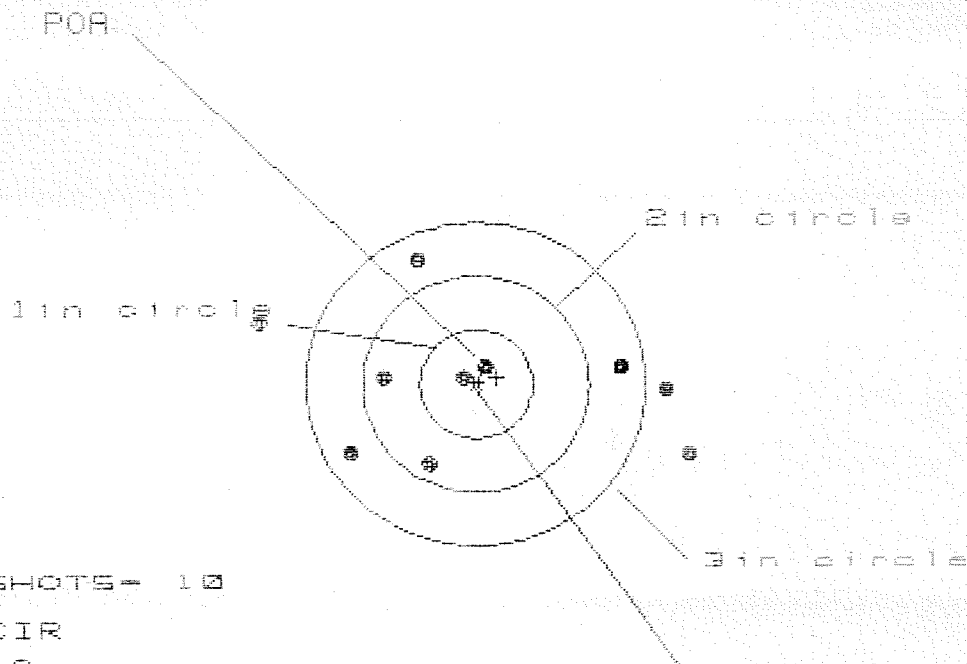
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.679	1.777	1.764
MINIMUM X	:	-1.770	-1.583	-1.596
MAXIMUM Y	:	1.507	1.639	1.418
MINIMUM Y	:	-1.899	-1.767	-1.766
CENTROID X	:	.017	-.170	-.157
CENTROID Y	:	.133	.001	.222
POA TO CENTROID in.	:	.134	.170	.272
MIN RADIUS	:	.143	.196	.296
MEAN RADIUS	:	1.285	1.181	1.115
MAX RADIUS	:	2.056	1.810	1.768
HORIZONTAL SPREAD	:	3.449	3.360	3.360
VERTICAL SPREAD	:	3.406	3.406	2.184
EXTREME SPREAD	:	3.663	3.419	3.391
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		4	

14 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6836155.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 7

HS= 3.850

VS= 1.856

GS= 4.044

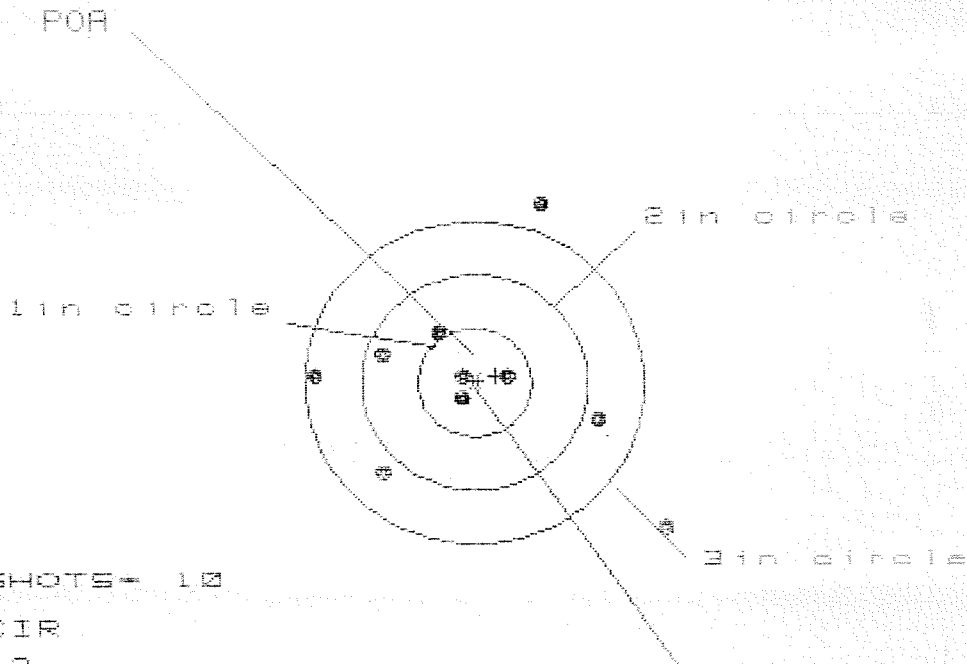
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.911	1.930	1.714
MINIMUM X	:	-1.939	-1.725	-1.150
MAXIMUM Y	:	1.129	1.055	1.117
MINIMUM Y	:	-.727	-.801	-.739
CENTROID X	:	-.181	-.394	-.178
CENTROID Y	:	-.063	.011	-.051
POA TO CENTROID in.	:	.192	.394	.185
MIN RADIUS	:	.122	.107	.119
MEAN RADIUS	:	1.156	1.036	.938
MAX RADIUS	:	2.024	1.933	1.715
HORIZONTAL SPREAD	:	3.850	3.656	2.864
VERTICAL SPREAD	:	1.856	1.856	1.856
EXTREME SPREAD	:	4.044	3.708	2.930
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

14 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C86636155.1

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS= 3.051

VS= 3.019

GS= 3.402

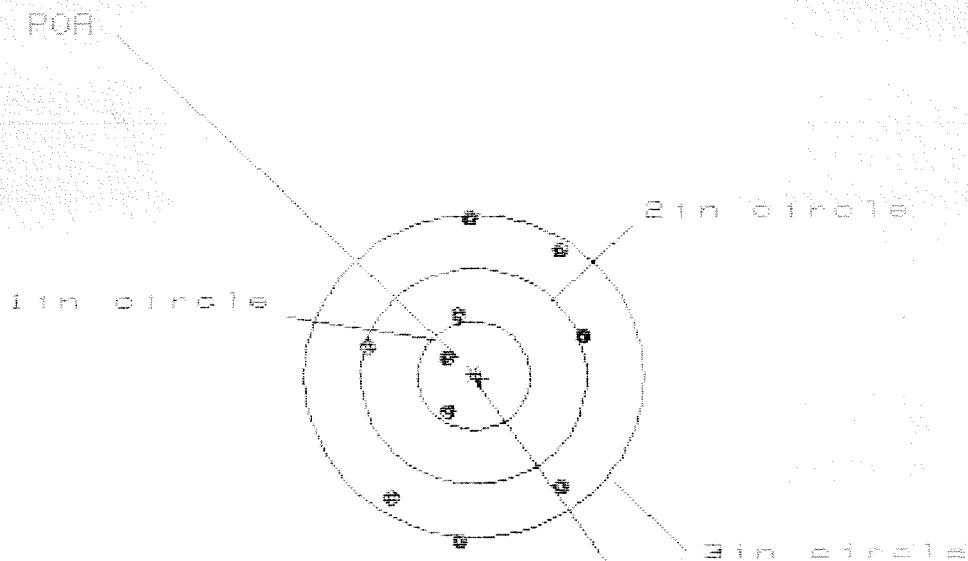
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.666	1.262	1.363
MINIMUM X	:	-1.395	-1.210	-1.109
MAXIMUM Y	:	1.647	1.494	1.543
MINIMUM Y	:	-1.372	-0.954	-0.767
CENTROID X	:	-0.184	-0.369	-0.470
CENTROID Y	:	-0.065	0.088	-0.099
POA TO CENTROID in.	:	0.195	0.380	0.481
MIN RADIUS	:	0.165	0.054	0.189
MEAN RADIUS	:	0.970	0.808	0.696
MAX RADIUS	:	2.158	1.699	1.394
HORIZONTAL SPREAD	:	3.061	2.472	2.472
VERTICAL SPREAD	:	3.019	2.448	1.310
EXTREME SPREAD	:	3.402	2.864	2.511
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			8	

14 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636155.1

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 1.907

VS= 3.054

GS= 3.056

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.923	.906	.899
MINIMUM X	:	-.984	-1.001	-1.008
MAXIMUM Y	:	1.479	1.304	1.285
MINIMUM Y	:	-1.575	-1.280	-1.117
CENTROID X	:	-.063	-.046	-.039
CENTROID Y	:	.028	.203	.040
POA TO CENTROID in.	:	.069	.208	.056
MIN RADIUS	:	.200	.258	.295
MEAN RADIUS	:	1.041	.964	.921
MAX RADIUS	:	1.583	1.494	1.411
HORIZONTAL SPREAD	:	1.907	1.907	1.907
VERTICAL SPREAD	:	3.054	2.584	2.322
EXTREME SPREAD	:	3.056	2.770	2.770
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	