

C6611454

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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

MODEL 700™ H24

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

SERIAL NO.
C6611454

ORDER NO.
5716

20

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



5716 C6611454

UPC



0 47700 25716 7

Had to Adjust
Barrel

Re Target

OK

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611454

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	KR
615	Rollmark Caliber	3 28	91	JS
617	Drill and Tap Sight Holes	APR	3 1991	FB
618	Polish Barrel	APR	3 1991	WB
620	Apply Coatings (Barrel Action)			TA
	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		5/3/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/3/91	981
	G) Safety Off Force	4	4	4			5/3/91	981
	H) Trigger Pull Test & Retainability						5/3/91	981
	I) Firing Pin Indent	1022	1022	1022			5/3/91	981
	J) Assemble Stock						5/6/91	RW
	K) Assemble Swivel Studs						5-9-91	AC
	L) Attach Front and Rear Sight Assemblies						5/6/91	RW
	M) Iron Sight Alignment						5/6/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/6/91	RW
	O) Attach Scope to Rifle						5/6/91	RW
	P) Detach & Attach Scope 20 Times						5/6/91	RW
640	Gallery Target & Test						5/6/91	KJ
	A) Time						"	KJ
	B) Malfunctions						"	KJ
	C) Pierced Primers						"	KJ
	D) Optical Clarity of Scope						"	KJ
645	Inspect for Live Ammo						5/6/91	KJ
655	Final Inspection							
	A) Headspace						5-9-91	AC
	B) Trigger Pull	2.57	2.52	2.59	2.52	2.55	5/9/91	981
	C) Function						5-9-91	AC
660	Pack						6-20-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611454

DATE 5-3-91

TESTER JEP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.24	2.30	2.57	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.26	2.29	2.52	
PULL #3	2.22	2.22	2.29	2.59	
PULL #4	2.18	2.26	2.24	2.52	
PULL #5	2.23	2.27	2.26	2.55	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.28		
PULL #2	3.31	3.17		
PULL #3	3.30	3.21		
PULL #4	3.34	3.28		
PULL #5	3.14	3.17		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.35		4.46
PULL #2	4.27	4.50		4.39
PULL #3	4.51	4.43		4.39
PULL #4	4.44	4.39		4.39
PULL #5	4.52	4.50		4.49
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611454
6 May 1991

CENTROIDAL DISTANCES

0 TO	1	.446754
1 TO	2	.235128
1 TO	3	.455992
1 TO	4	.349903
1 TO	5	.298324

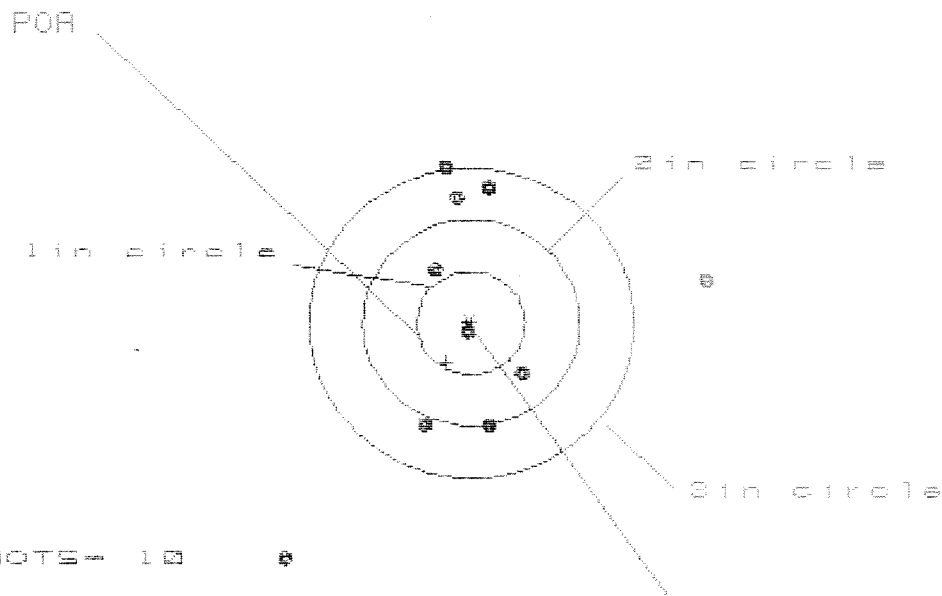
44
5 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .09
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1868
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .207351
THE AMR FOR THIS RIFLE IS: 1.057

6 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611454

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 3.916

VS= 3.781

GS= 4.763

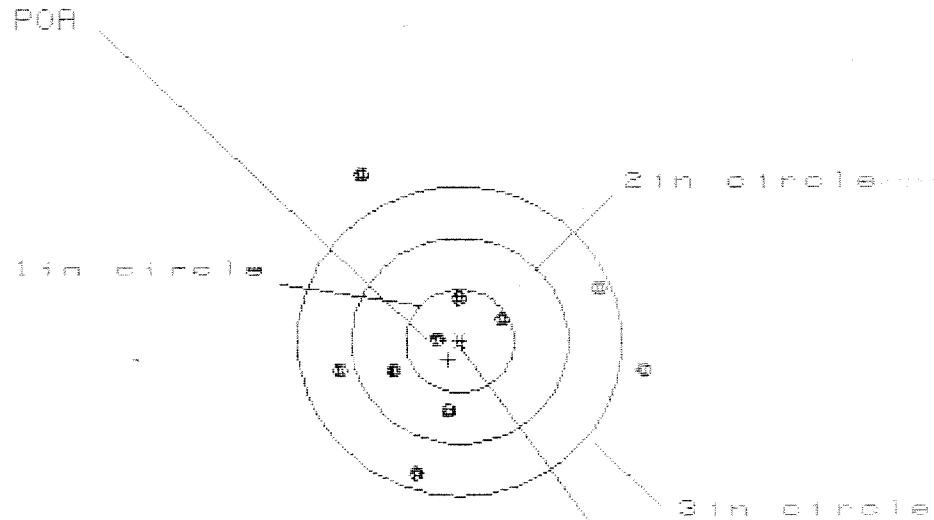
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.190	1.998	.483
MINIMUM X	-1.726	-.643	-.393
MAXIMUM Y	1.495	1.241	1.262
MINIMUM Y	-2.286	-1.266	-1.245
CENTROID X	.230	.422	.172
CENTROID Y	.383	.637	.616
FOR TO CENTROID in.	.447	.764	.639
MIN RADIUS	.110	.428	.323
MEAN RADIUS	1.260	1.093	.934
MAX RADIUS	2.865	2.005	1.305
HORIZONTAL SPREAD	3.916	2.641	.876
VERTICAL SPREAD	3.781	2.507	2.507
EXTREME SPREAD	4.763	3.007	2.518
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

6 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611454

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 8

HS = 2.855

VS = 2.856

GS = 3.255

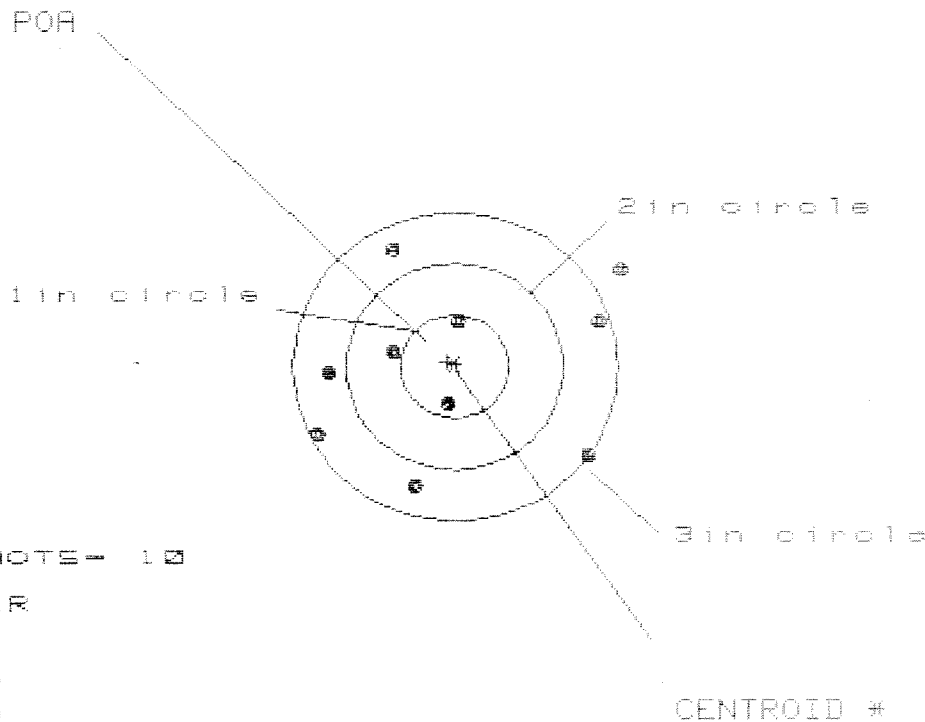
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.724	1.619	1.487
MINIMUM X	-1.139	-1.244	-1.042
MAXIMUM Y	1.615	.713	.704
MINIMUM Y	-1.241	-1.062	-1.071
CENTROID X	.108	.213	.011
CENTROID Y	.182	.003	.012
POA TO CENTROID in.	.212	.213	.016
MIN RADIUS	.171	.337	.199
MEAN RADIUS	.991	.905	.773
MAX RADIUS	1.879	1.620	1.574
HORIZONTAL SPREAD	2.863	2.863	2.449
VERTICAL SPREAD	2.856	1.775	1.775
EXTREME SPREAD	3.255	2.863	2.582
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

6 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611454

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 2

2in = 3

3in = 5

HS = 2.751

VS = 2.309

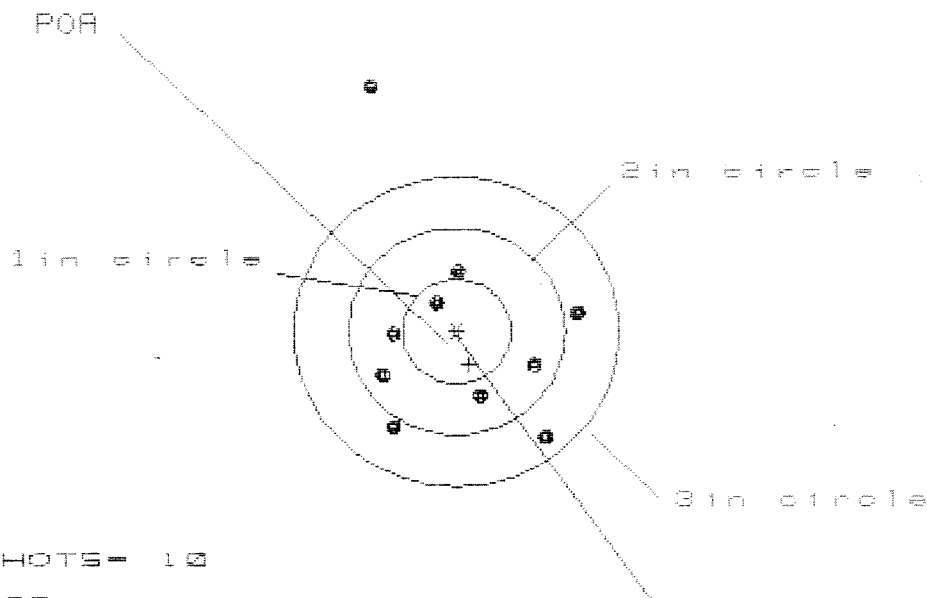
GS = 3.166

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.488
MINIMUM X	-1.263
MAXIMUM Y	1.189
MINIMUM Y	-1.120
CENTROID X	.070
CENTROID Y	-.044
POA TO CENTROID in.	.082
MIN RADIUS	.386
MEAN RADIUS	1.121
MAX RADIUS	1.754
HORIZONTAL SPREAD	2.751
VERTICAL SPREAD	2.309
EXTREME SPREAD	3.166
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	3
NUMBER IN THREE INCH CIRCLE =	5

6 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CGB11454

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 3

HE = 1.906

VE = 3.422

GE = 3.761

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.124	1.037	1.123
MINIMUM X	:	-0.782	-0.816	-0.730
MAXIMUM Y	:	2.355	0.879	0.778
MINIMUM Y	:	-1.067	-0.805	-0.781
CENTROID X	:	-0.114	-0.027	-0.113
CENTROID Y	:	0.319	0.057	0.158
POA TO CENTROID in.	:	0.339	0.063	0.194
MIN RADIUS	:	0.330	0.419	0.482
MEAN RADIUS	:	0.990	0.802	0.756
MAX RADIUS	:	2.482	1.137	1.181
HORIZONTAL SPREAD	:	1.906	1.853	1.853
VERTICAL SPREAD	:	3.422	1.684	1.559
EXTREME SPREAD	:	3.761	2.055	2.055
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

6 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11454

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.066

VS= 1.998

GS= 2.571

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.937	.811	.777
MINIMUM X	:	-1.129	-1.013	-.911
MAXIMUM Y	:	1.124	1.045	1.137
MINIMUM Y	:	-.874	-.953	-.861
CENTROID X	:	.156	.282	.190
CENTROID Y	:	.094	.173	.081
POA TO CENTROID in.	:	.182	.331	.198
MIN RADIUS	:	.409	.337	.420
MEAN RADIUS	:	.921	.860	.831
MAX RADIUS	:	1.336	1.098	1.141
HORIZONTAL SPREAD	:	2.066	1.824	1.688
VERTICAL SPREAD	:	1.998	1.998	1.998
EXTREME SPREAD	:	2.571	2.123	2.123
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611454

22 May 1991

CENTROIDAL DISTANCES

Q TO	1	.0699214
1 TO	2	.282209
1 TO	3	.379191
1 TO	4	.180701
1 TO	5	.15373

2nd <----POA

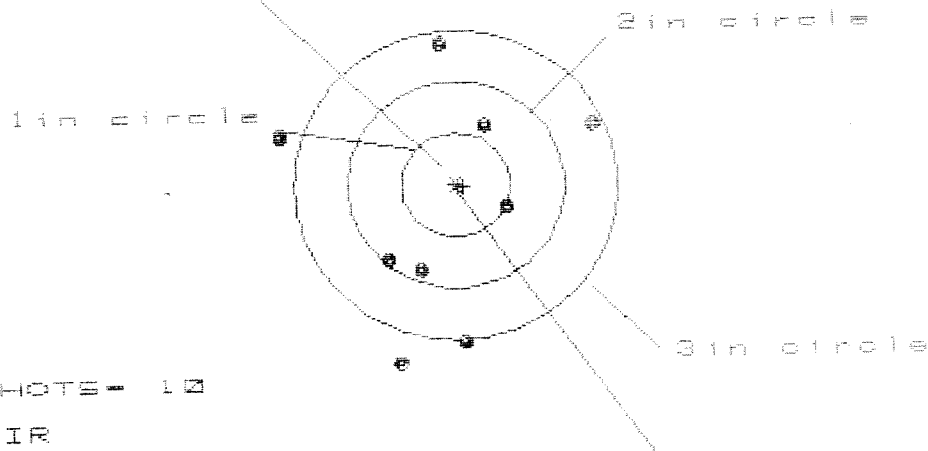
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1204
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0318
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .124529
THE AMR FOR THIS RIFLE IS: 1.177

22 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611454.1

CENTERFIRE PATTERNS # 1

POA



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 6

HS = 2.941

VS = 3.763

GS = 4.152

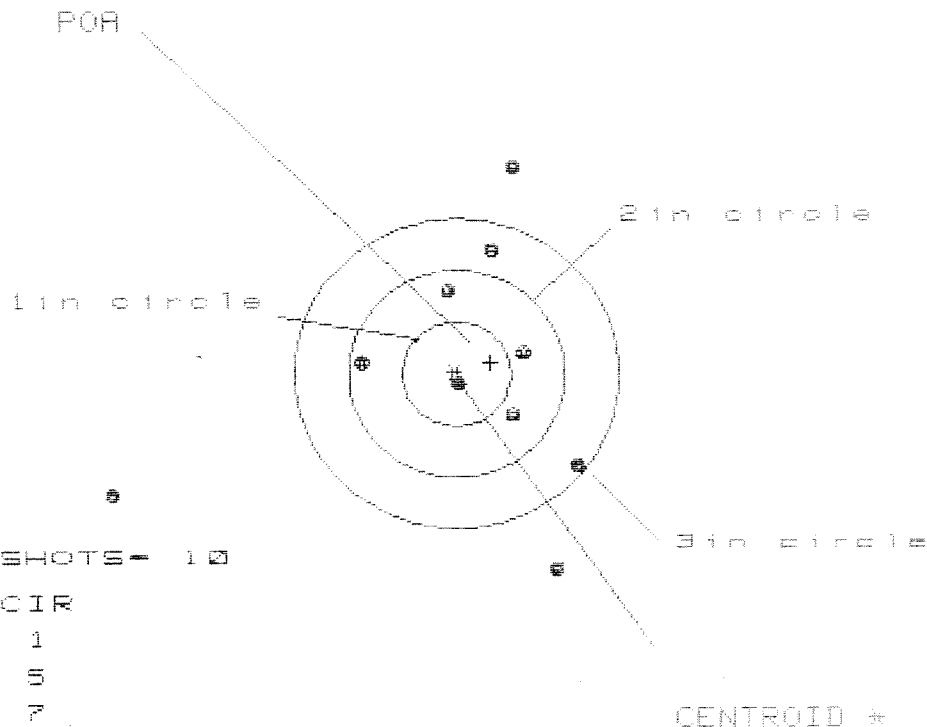
CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.284	1.425	1.391
MINIMUM X	-1.657	-1.516	-1.560
MAXIMUM Y	2.026	1.566	1.377
MINIMUM Y	-1.737	-1.512	-1.517
CENTROID X	-.067	-.208	-.164
CENTROID Y	.020	-.205	-.016
POA TO CENTROID in.	.070	.292	.165
MIN RADIUS	.520	.598	.593
MEAN RADIUS	1.327	1.181	1.136
MAX RADIUS	2.388	1.675	1.646
HORIZONTAL SPREAD	2.941	2.941	2.941
VERTICAL SPREAD	3.763	3.078	2.894
EXTREME SPREAD	4.152	3.095	2.943
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		6	

22 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611454.1

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 7

HS = 4.886

VS = 3.841

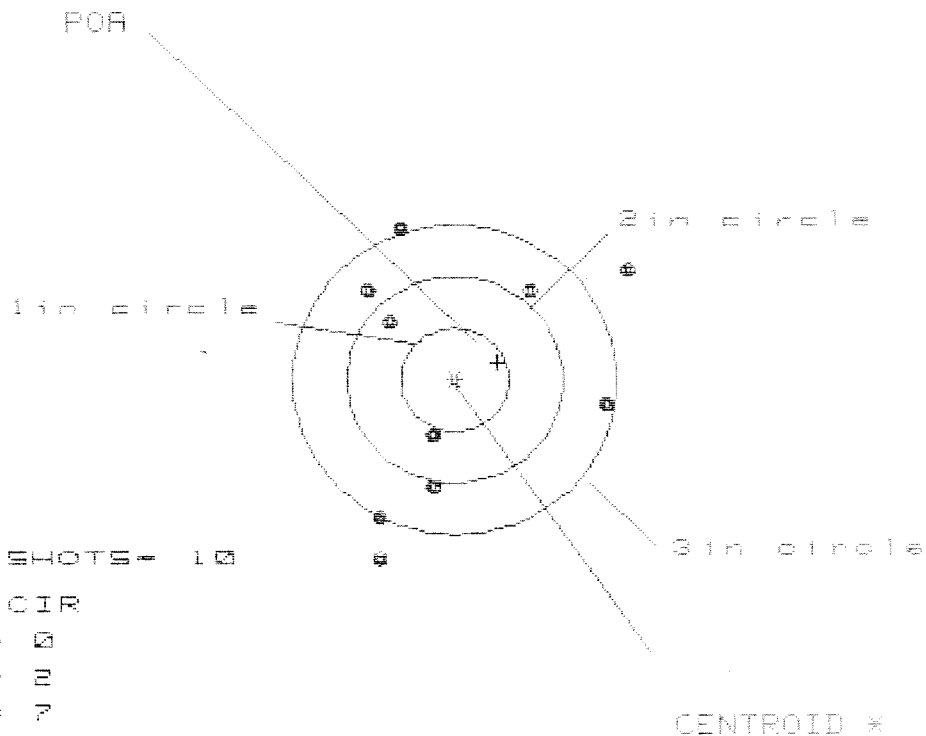
GS = 4.899

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.113
MINIMUM X	:	-3.173
MAXIMUM Y	:	1.976
MINIMUM Y	:	-1.865
CENTROID X	:	-.318
CENTROID Y	:	-.109
POA TO CENTROID in.	:	.336
MIN RADIUS	:	.090
MEAN RADIUS	:	1.326
MAX RADIUS	:	3.394
HORIZONTAL SPREAD	:	4.286
VERTICAL SPREAD	:	3.841
EXTREME SPREAD	:	4.899
NUMBER IN ONE INCH CIRCLE	=	1
NUMBER IN TWO INCH CIRCLE	=	5
NUMBER IN THREE INCH CIRCLE	=	7

22 May 1981

FILE:/PATTERNING/CENTERFIRE_PATT/G6611454.1

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 10

2in = 2

3in = 7

HS = 2.379

VS = 3.197

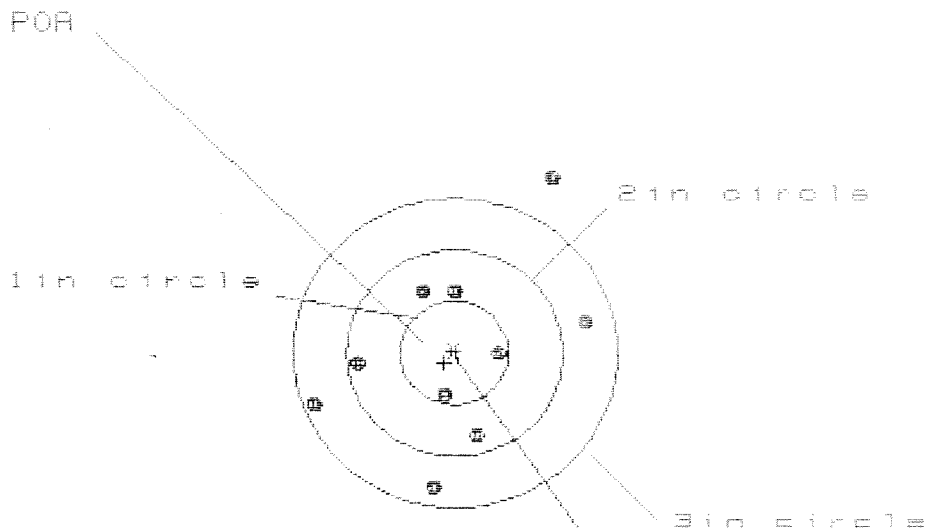
GS = 3.661

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.627	1.534	1.471
MINIMUM X	-.752	-.572	-.635
MAXIMUM Y	1.448	1.569	1.365
MINIMUM Y	-1.749	-1.628	-1.371
CENTROID X	-.398	-.578	-.515
CENTROID Y	-.165	-.286	-.082
POA TO CENTROID in.	.431	.645	.522
MIN RADIUS	.568	.427	.631
MEAN RADIUS	1.286	1.185	1.116
MAX RADIUS	1.957	1.705	1.510
HORIZONTAL SPREAD	2.379	2.106	2.106
VERTICAL SPREAD	3.197	3.197	2.737
EXTREME SPREAD	3.661	3.201	2.741
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		2	
NUMBER IN THREE INCH CIRCLE =		7	

22 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611454.1

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.500

VS= 3.093

GS= 3.311

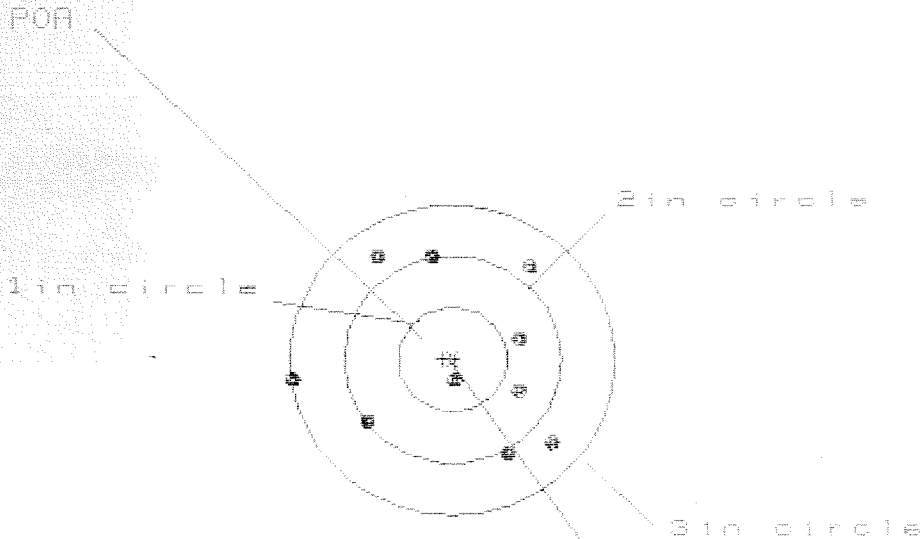
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.248	1.353	1.335
MINIMUM X	:	-1.252	-1.147	-1.165
MAXIMUM Y	:	1.748	.836	.692
MINIMUM Y	:	-1.345	-1.151	-1.781
CENTROID X	:	.096	-.009	.009
CENTROID Y	:	.098	-.096	.048
POA TO CENTROID in.	:	.137	.096	.049
MIN RADIUS	:	.424	.223	.367
MEAN RADIUS	:	.994	.863	.821
MAX RADIUS	:	1.984	1.437	1.378
HORIZONTAL SPREAD	:	2.500	2.500	2.500
VERTICAL SPREAD	:	3.093	1.987	1.473
EXTREME SPREAD	:	3.311	2.635	2.635
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

22 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611454.1

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 9

HS= 2.389

VS= 1.935

GS= 2.459

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.906	.741	.617
MINIMUM X	:	-1.483	-.981	-.888
MAXIMUM Y	:	1.031	1.004	.898
MINIMUM Y	:	-.984	-.931	-1.037
CENTROID X	:	.085	.250	.157
CENTROID Y	:	-.003	.024	.130
POA TO CENTROID in.	:	.085	.251	.204
MIN RADIUS	:	.157	.240	.297
MEAN RADIUS	:	.954	.870	.849
MAX RADIUS	:	1.503	1.305	1.163
HORIZONTAL SPREAD	:	2.389	1.722	1.505
VERTICAL SPREAD	:	1.935	1.935	1.935
EXTREME SPREAD	:	2.459	2.434	2.236
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	