

C6611534

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington




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

MODEL 700TM M24

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

SERIAL NO.
C6611534

ORDER NO.
5716



5716 C6611534



INTERCHANGE

6/17 -

Start of test

DE - cleaned

eyector -

then shot OK

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611534

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		K.R.
	Magnaflux Bolt	3 28 91		U
615	Rollmark Caliber	3 28 91		GS.
617	Drill and Tap Sight Holes	APR	3 1991	LB
618	Polish Barrel	APR	3 1991	LB
620	Apply Coatings (Barrel Action)		5-11-91	TS
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/6/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/6/91	RW
	C) Inspect Ejector Hole for Chamfer		5/6/91	RW
	D) Oil Firing Pin Ass'y		5/6/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/6/91	TS

op. #	BARBER NAME M24 0078383	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/6/91	RL
	G) Safety Off Force	3	3	3			5/6/91	RL
	H) Trigger Pull Test & Retainability						5/6/91	RL
	I) Firing Pin Indent	.023	.023	.023			5/6/91	RL
	J) Assemble Stock						5/7/91	RW
	K) Assemble Swivel Studs						6-3-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/7/91	RW
	M) Iron Sight Alignment						5/7/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/7/91	RW
	O) Attach Scope to Rifle						5/7/91	RW
	P) Detach & Attach Scope 20 Times						5/7/91	RW
640	Gallery Target & Test						5/7/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clarity of Scope						"	KT
645	Inspect for Live Ammo						5/7/91	KT
655	Final Inspection A) Headspace						6-3-91	D/H
	B) Trigger Pull	2.33	2.30	2.28	2.20	2.19	6/3/91	RL
	C) Function						6-3-91	D/H
660	Pack						6-19-91	✓

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

SERIAL NO. C6611534
DATE 5/6/91
TESTER [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.38	2.43	2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.39	2.40	2.30	
PULL #3	2.38	2.41	2.44	2.28	
PULL #4	2.40	2.31	2.39	2.20	
PULL #5	2.37	2.42	2.40	2.19	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.49	3.46		
PULL #2	3.44	3.38		
PULL #3	3.46	3.50		
PULL #4	3.43	3.50		
PULL #5	3.46	3.41		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.19		4.10
PULL #2	4.31	4.28		4.28
PULL #3	4.27	4.31		4.29
PULL #4	4.27	4.16		4.32
PULL #5	4.33	4.33		4.31
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611534
7 May 1991

CENTROIDAL DISTANCES

0 TO	1	.524844
1 TO	2	.614524
1 TO	3	.464037
1 TO	4	.443843
1 TO	5	.598619

$\bar{x}_1$ <----POA

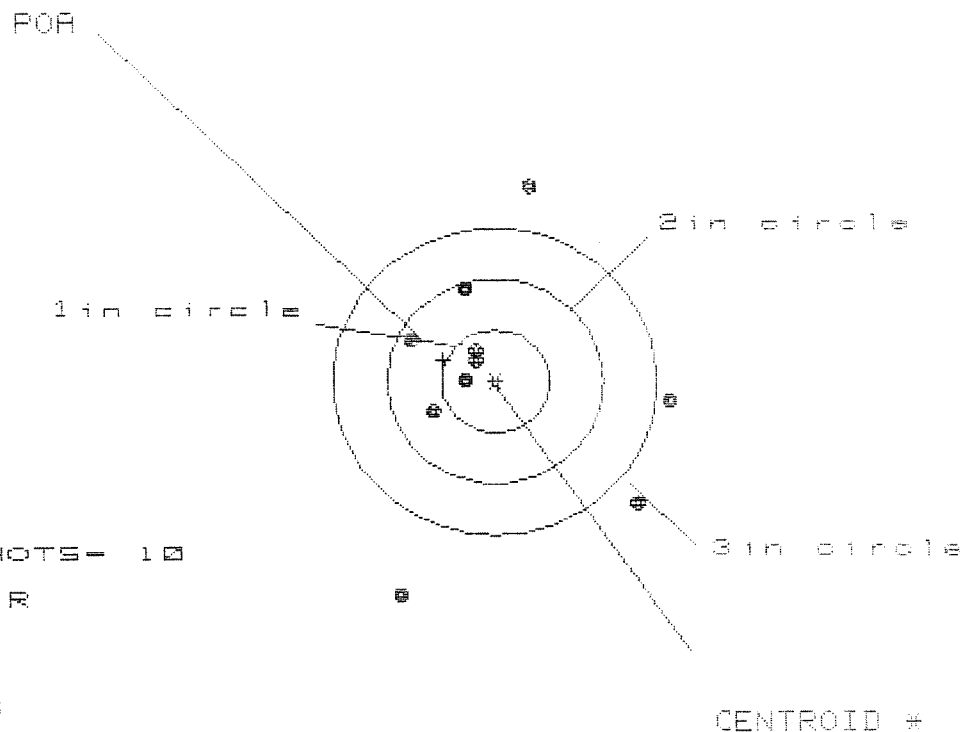
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1736
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .067
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .186081

THE AMR FOR THIS RIFLE IS: 1.245

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611534

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 6

HS= 2.456

VS= 4.014

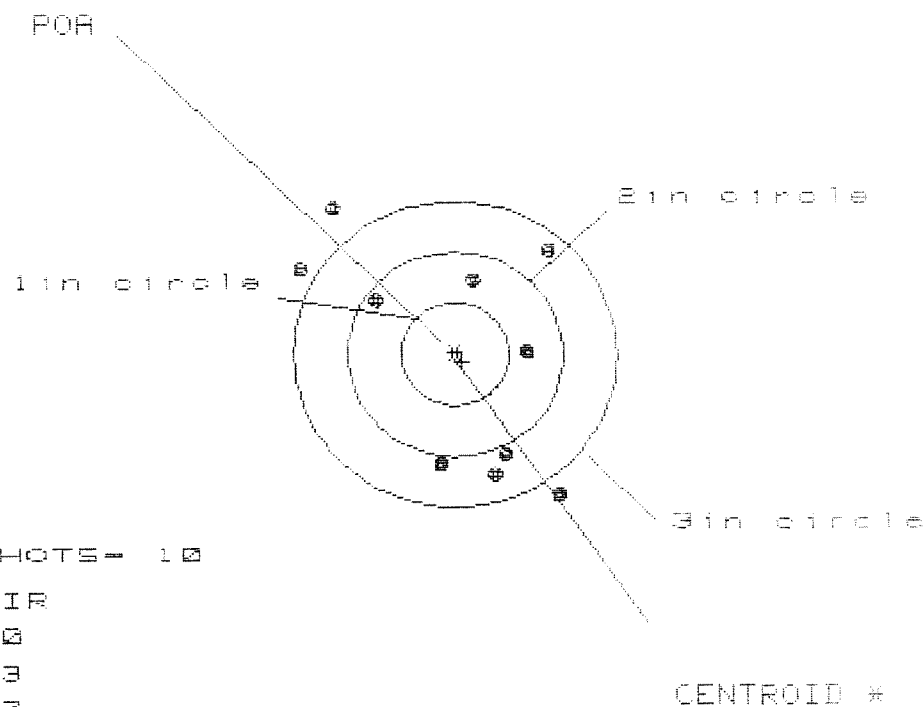
GS= 4.191

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.572	1.473	1.501
MINIMUM X	-0.884	-0.890	-0.862
MAXIMUM Y	1.888	1.652	.910
MINIMUM Y	-2.126	-1.424	-1.218
CENTROID X	.481	.580	.552
CENTROID Y	-.210	.026	-.180
POA TO CENTROID in.	.525	.580	.581
MIN RADIUS	.263	.280	.333
MEAN RADIUS	1.106	.965	.873
MAX RADIUS	2.303	1.860	1.727
HORIZONTAL SPREAD	2.456	2.363	2.363
VERTICAL SPREAD	4.014	3.076	2.128
EXTREME SPREAD	4.191	3.227	2.650
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	6		

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611534

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 7

HS= 2.453

VS= 2.774

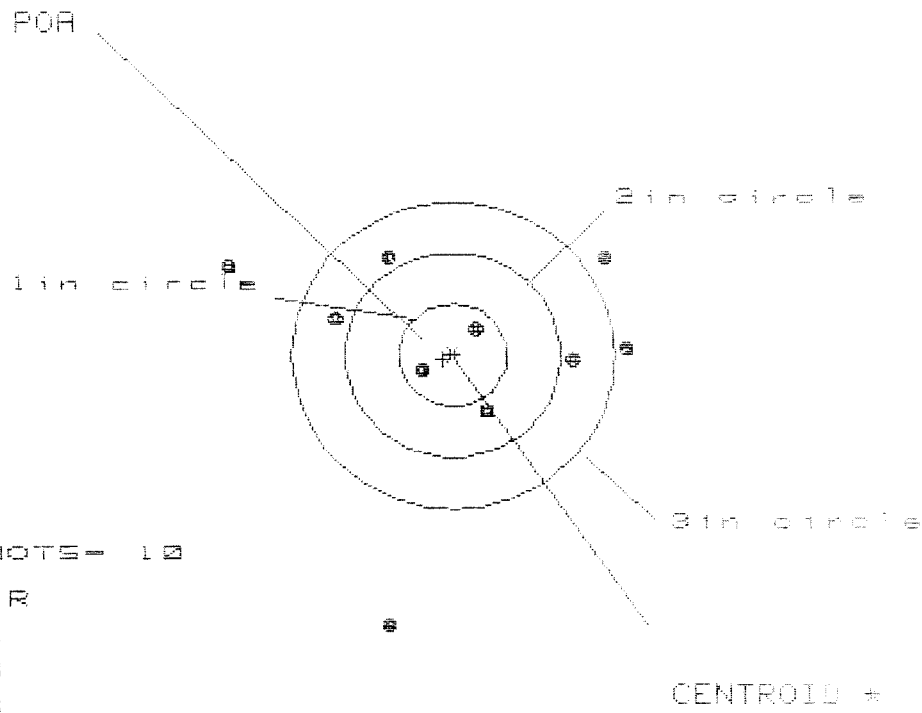
GS= 3.508

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.985	.856	.655
MINIMUM X	-1.478	-1.607	-1.032
MAXIMUM Y	1.434	1.203	1.327
MINIMUM Y	-1.340	-1.181	-1.057
CENTROID X	-.065	.064	.265
CENTROID Y	.072	-.087	-.211
POA TO CENTROID in.	.097	.108	.338
MIN RADIUS	.647	.540	.420
MEAN RADIUS	1.224	1.129	.997
MAX RADIUS	1.846	1.837	1.427
HORIZONTAL SPREAD	2.453	2.453	1.687
VERTICAL SPREAD	2.774	2.384	2.384
EXTREME SPREAD	3.508	3.283	2.552
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	3	
NUMBER IN THREE INCH CIRCLE	=	7	

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611534

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 3

3 in = 6

HS= 3.729

VS= 3.604

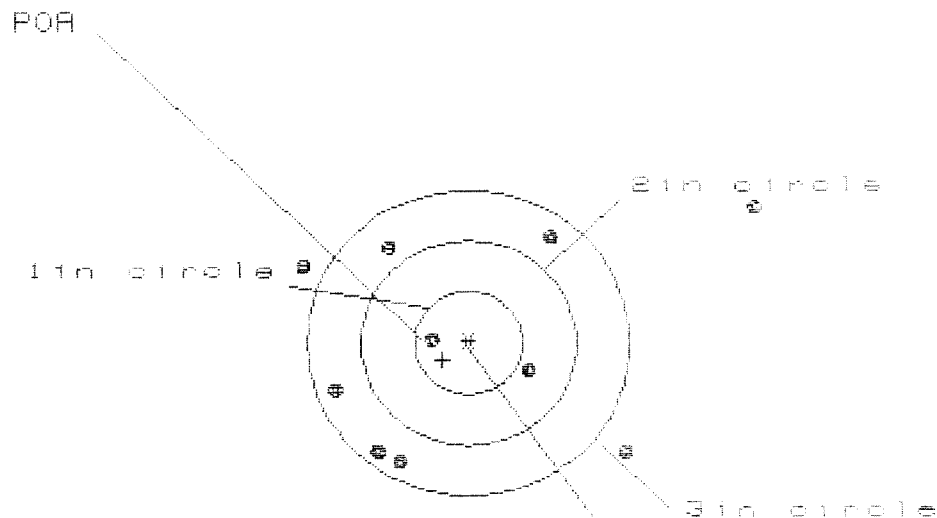
GS= 4.150

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.637	1.567	1.296
MINIMUM X	-2.092	-2.162	-1.383
MAXIMUM Y	.952	.658	.726
MINIMUM Y	-2.652	-.814	-.746
CENTROID X	.092	.162	.433
CENTROID Y	.043	.337	.269
POA TO CENTROID in.	.101	.374	.509
MIN RADIUS	.331	.129	.150
MEAN RADIUS	1.298	1.120	.964
MAX RADIUS	2.726	2.231	1.394
HORIZONTAL SPREAD	3.729	3.729	2.679
VERTICAL SPREAD	3.604	1.472	1.472
EXTREME SPREAD	4.150	3.818	2.706
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	6		

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06511584

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 2

3 in = 7

HS = 4.197

VS = 2.489

GS = 4.275

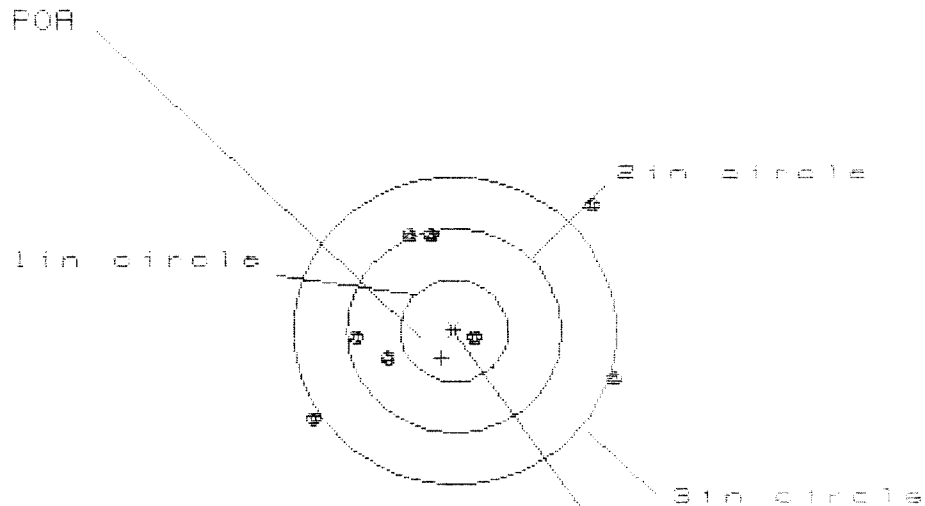
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.639	1.755	1.275
MINIMUM X	-1.558	-1.264	-1.045
MAXIMUM Y	1.336	1.138	1.021
MINIMUM Y	-1.153	-1.004	-1.121
CENTROID X	.242	-.052	-.271
CENTROID Y	.164	.015	.132
POA TO CENTROID in.	.292	.054	.361
MIN RADIUS	.302	.191	.226
MEAN RADIUS	1.385	1.155	1.031
MAX RADIUS	2.958	1.989	1.633
HORIZONTAL SPREAD	4.197	3.019	2.320
VERTICAL SPREAD	2.489	2.142	2.142
EXTREME SPREAD	4.275	3.535	2.589
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	7		

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CBB11534

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 6

HS= 2.830

VS= 3.484

GS= 3.535

CENTROID +

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.513	1.591	1.763
MINIMUM X	-1.317	-1.239	-1.067
MAXIMUM Y	1.221	.969	.823
MINIMUM Y	-2.263	-1.159	-1.038
CENTROID X	.118	.040	-.132
CENTROID Y	.266	.518	.397
POA TO CENTROID in.	.291	.519	.418
MIN RADIUS	.229	.454	.510
MEAN RADIUS	1.212	1.041	.941
MAX RADIUS	2.369	1.759	1.871
HORIZONTAL SPREAD	2.830	2.830	2.830
VERTICAL SPREAD	3.484	2.126	1.361
EXTREME SPREAD	3.535	3.369	2.859
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		6	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611534
8 May 1991

CENTROIDAL DISTANCES

0 TO	1	.394138
1 TO	2	.257422
1 TO	3	.499769
1 TO	4	.394446
1 TO	5	.378535

34

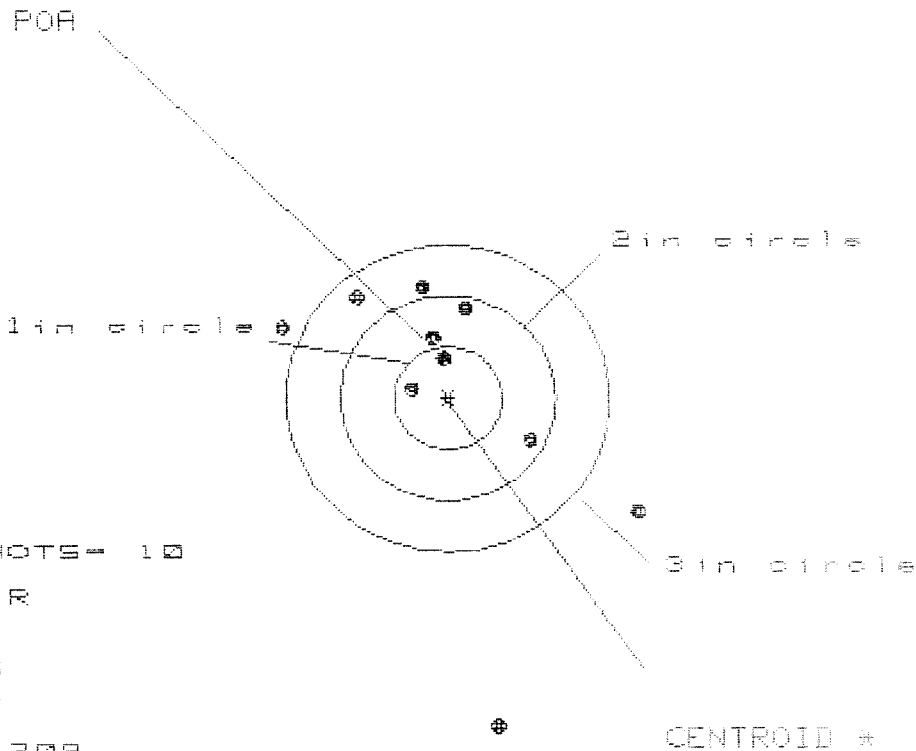
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1732
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1922
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .258726
THE AMR FOR THIS RIFLE IS: 1.254

8 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611534.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

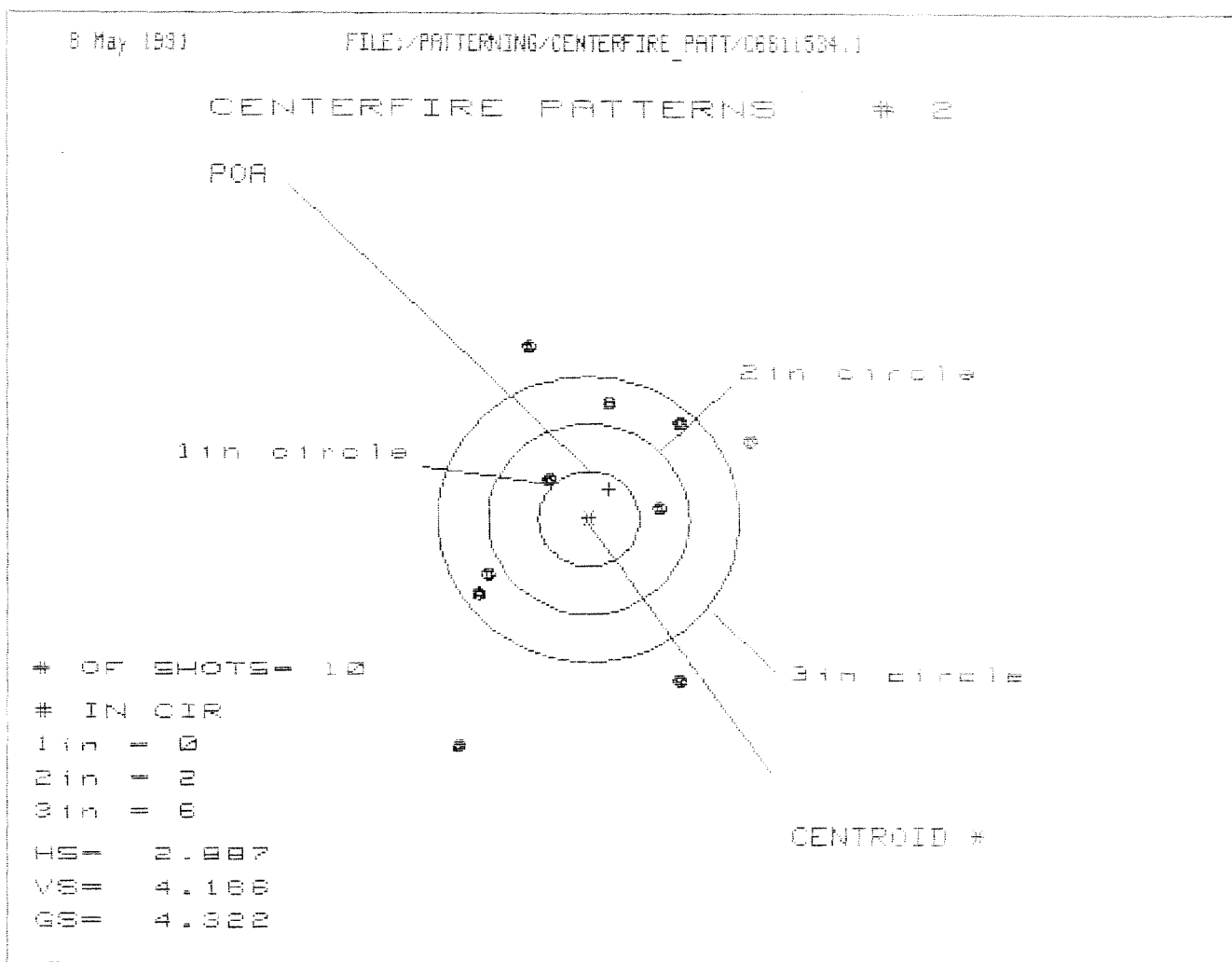
3 in = 7

HS= 3.309

VS= 4.229

GS= 4.351

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.777	1.826	1.636
MINIMUM X	-1.532	-1.483	-1.255
MAXIMUM Y	1.062	.710	.530
MINIMUM Y	-3.167	-1.444	-1.978
CENTROID X	.041	-.008	-.236
CENTROID Y	-.392	-.040	.140
POA TO CENTROID in.	.394	.041	.275
MIN RADIUS	.322	.043	.149
MEAN RADIUS	1.250	.895	.677
MAX RADIUS	3.197	2.328	1.421
HORIZONTAL SPREAD	3.309	3.309	2.285
VERTICAL SPREAD	4.229	2.154	1.508
EXTREME SPREAD	4.351	3.763	2.556
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

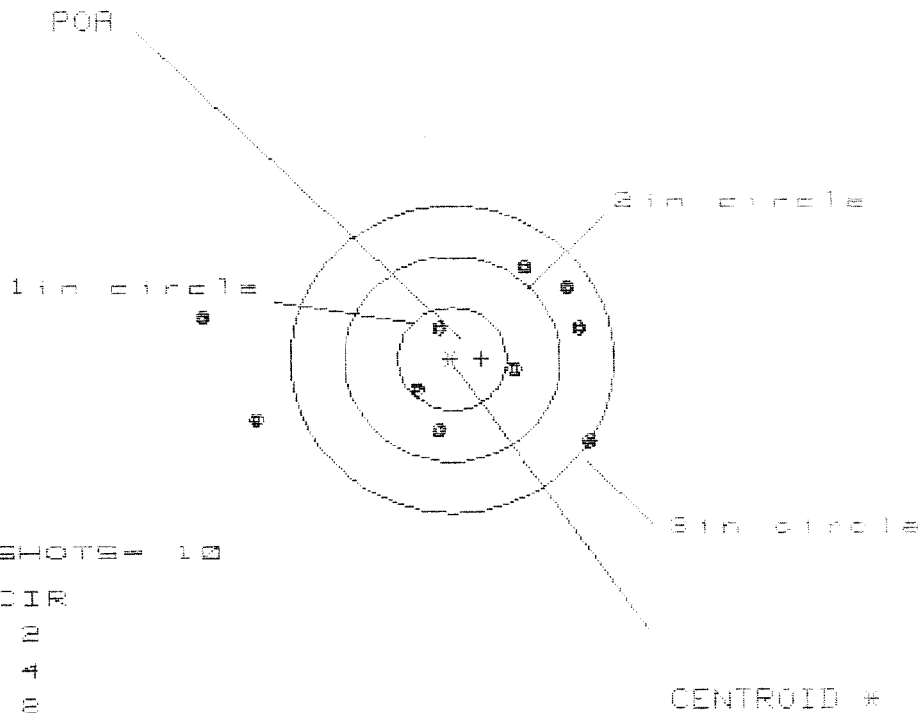


PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.617
MINIMUM X	-1.270
MAXIMUM Y	1.765
MINIMUM Y	-2.401
CENTROID X	-.204
CENTROID Y	-.313
POA TO CENTROID in.	.373
MIN RADIUS	.605
MEAN RADIUS	1.464
MAX RADIUS	2.717
HORIZONTAL SPREAD	2.887
VERTICAL SPREAD	4.166
EXTREME SPREAD	4.322
NUMBER IN ONE INCH CIRCLE	= 0
NUMBER IN TWO INCH CIRCLE	= 2
NUMBER IN THREE INCH CIRCLE	= 6

8 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611584.1

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS = 3.590

VS = 1.672

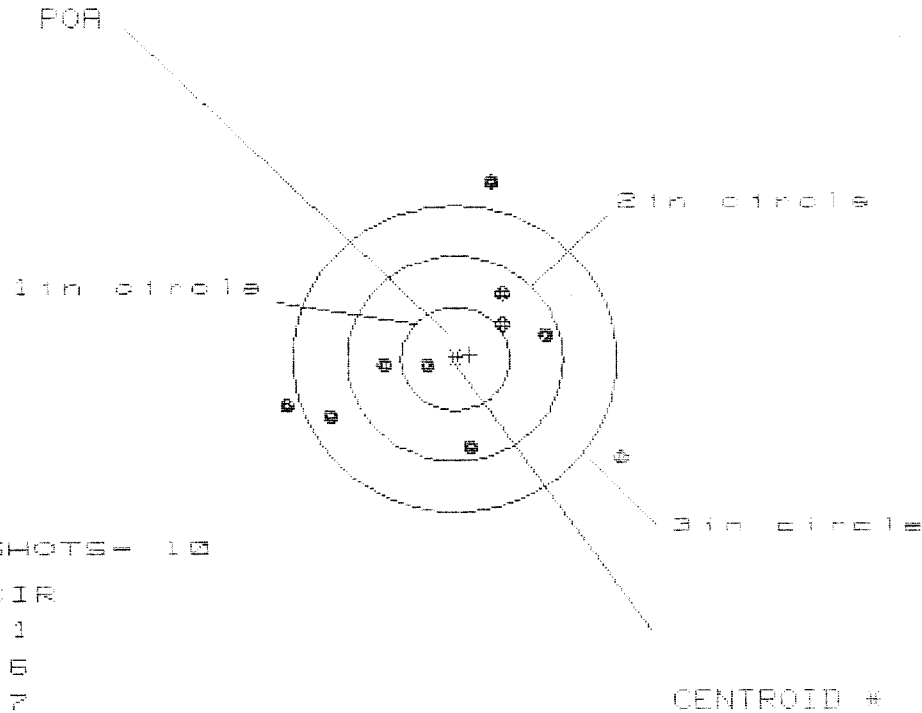
GS = 3.781

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.264	1.006	.745
MINIMUM X	-2.326	-2.090	-.824
MAXIMUM Y	.868	.910	.843
MINIMUM Y	-.804	-.762	-.829
CENTROID X	-.274	-.016	.245
CENTROID Y	-.004	-.046	.021
POR TO CENTROID in.	.274	.049	.246
MIN RADIUS	.293	.313	.170
MEAN RADIUS	1.137	.966	.785
MAX RADIUS	2.357	2.157	1.114
HORIZONTAL SPREAD	3.590	3.096	1.569
VERTICAL SPREAD	1.672	1.672	1.672
EXTREME SPREAD	3.781	3.199	1.872
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

8 May 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C861:534.1

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS= 3.134

VS= 2.689

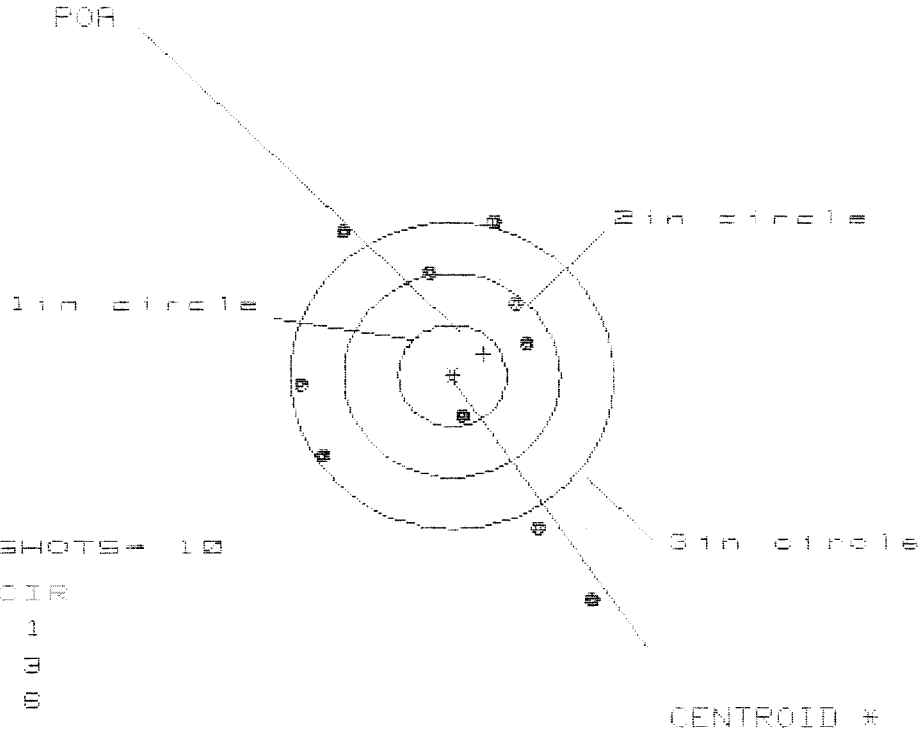
GS= 3.176

PATTERN #	4	4	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.566	.967	1.028
MINIMUM X	-1.568	-1.394	-1.333
MAXIMUM Y	1.731	1.624	.747
MINIMUM Y	-.958	-1.002	-.799
CENTROID X	-.137	-.311	-.372
CENTROID Y	-.040	.067	-.136
POA TO CENTROID in.	.143	.318	.396
MIN RADIUS	.309	.203	.085
MEAN RADIUS	1.059	.959	.839
MAX RADIUS	1.836	1.695	1.379
HORIZONTAL SPREAD	3.134	2.361	2.361
VERTICAL SPREAD	2.689	2.626	1.546
EXTREME SPREAD	3.176	2.876	2.457
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

8 May 1991

FILE: PATTERNING/CENTERFIRE_PATT/C8B11534.1

CENTERFIRE PATTERNS # 5



PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.269	.920	.815
MINIMUM X	-1.397	-1.256	-1.361
MAXIMUM Y	1.514	1.270	1.421
MINIMUM Y	-2.203	-1.762	-1.611
CENTROID X	-.292	-.433	-.328
CENTROID Y	-.212	.032	-.119
POA TO CENTROID in.	.361	.434	.349
MIN RADIUS	.386	.662	.485
MEAN RADIUS	1.358	1.204	1.157
MAX RADIUS	2.542	1.988	1.805
HORIZONTAL SPREAD	2.666	2.176	2.176
VERTICAL SPREAD	3.717	3.032	3.032
EXTREME SPREAD	4.295	3.456	3.062
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		6	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611534
17 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.386804
1 TO	2	.345811
1 TO	3	.448813
1 TO	4	.487263
1 TO	5	.284086

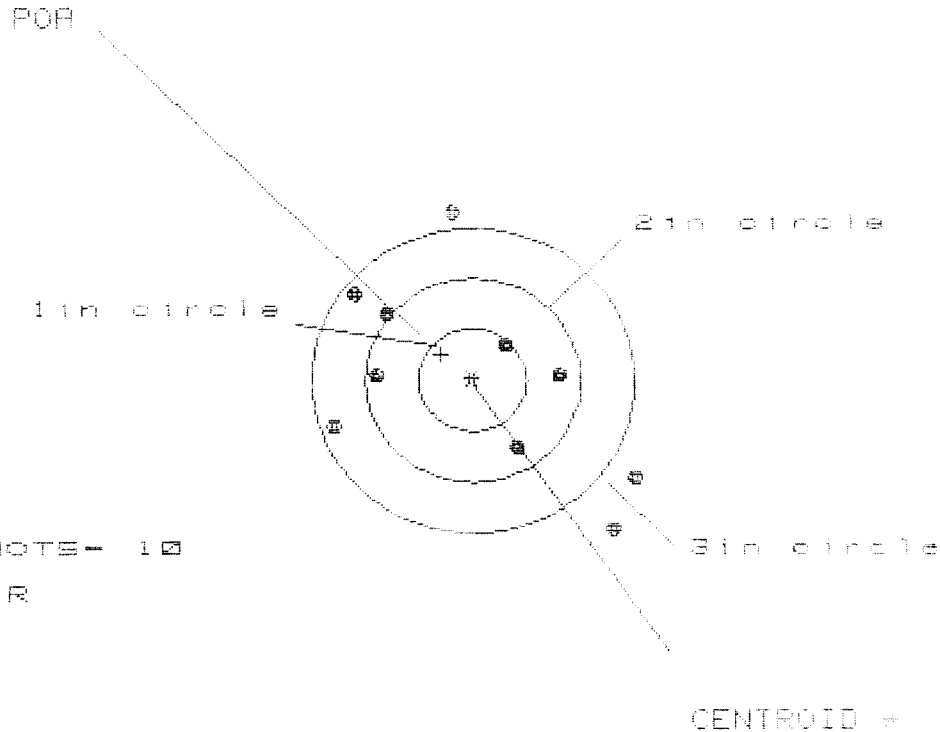
$\frac{2}{5}$ (----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0624
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1498
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .182277
THE AMR FOR THIS RIFLE IS: 1.079

17 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8811534.1.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 2.760

VS= 3.150

GS= 3.483

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.458	1.598	1.180
MINIMUM X	-1.302	-1.162	-0.963
MAXIMUM Y	1.676	1.513	1.369
MINIMUM Y	-1.474	-1.146	-0.974
CENTROID X	.296	.156	-.043
CENTROID Y	-.249	-.086	.058
POR TO CENTROID in.	.387	.178	.072
MIN RADIUS	.493	.517	.549
MEAN RADIUS	1.216	1.114	.977
MAX RADIUS	1.936	1.966	1.373
HORIZONTAL SPREAD	2.760	2.760	2.143
VERTICAL SPREAD	3.150	2.659	2.343
EXTREME SPREAD	3.483	3.151	2.424
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

17 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611534.1.1

CENTERFIRE PATTERNS # 2

POR

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 5

2in = 8

3in = 10

HE= 1.085

VS= 1.844

GS= 1.858

CENTROID #

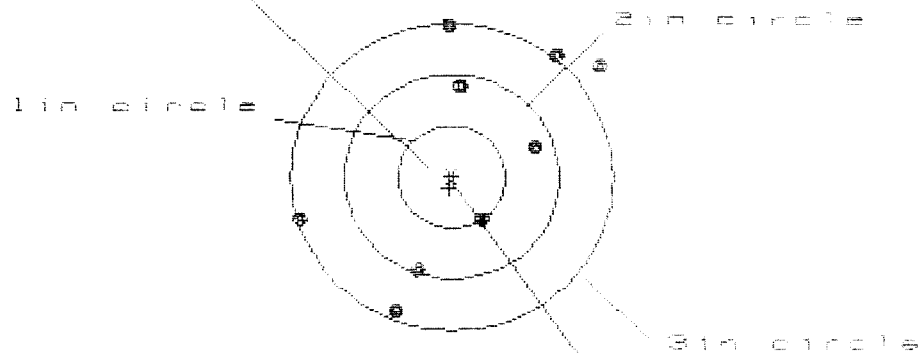
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.441	.472	.484
MINIMUM X	:	-.644	-.613	-.601
MAXIMUM Y	:	.826	.713	.495
MINIMUM Y	:	-1.018	-.527	-.438
CENTROID X	:	.048	.017	.005
CENTROID Y	:	-.008	.105	.016
POR TO CENTROID in.	:	.049	.107	.017
MIN RADIUS	:	.235	.247	.267
MEAN RADIUS	:	.554	.493	.463
MAX RADIUS	:	1.057	.808	.744
HORIZONTAL SPREAD	:	1.085	1.085	1.085
VERTICAL SPREAD	:	1.844	1.240	.933
EXTREME SPREAD	:	1.858	1.425	1.127
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11534.1.1

CENTERFIRE PATTERNS # 3

POA



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 5

HS= 2.817

VS= 3.501

GS= 3.980

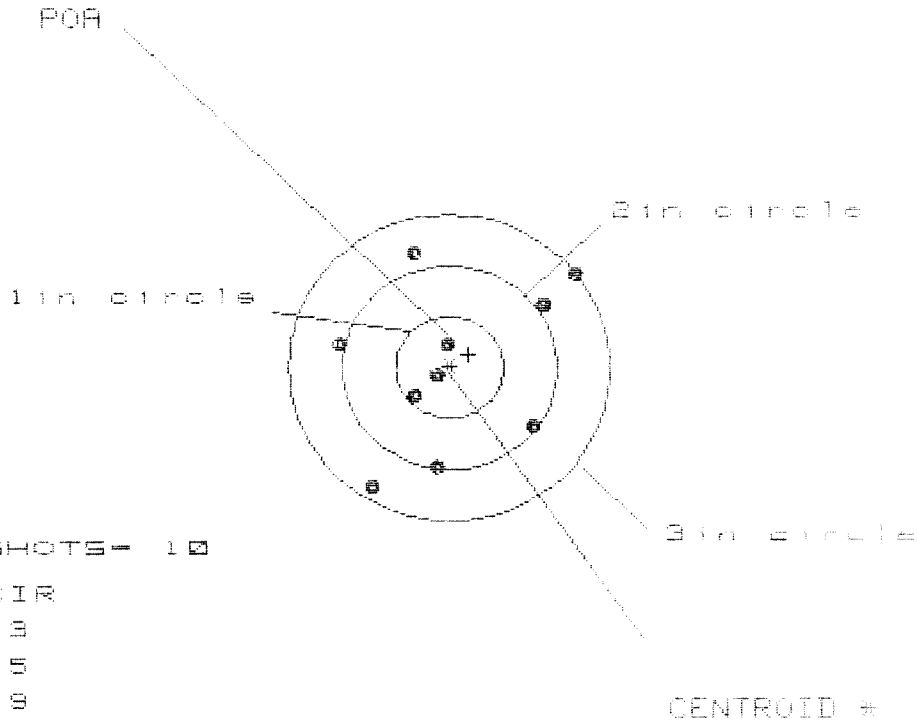
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.365	1.238	.971
MINIMUM X	:	-1.452	-1.579	-1.425
MAXIMUM Y	:	1.507	1.285	1.394
MINIMUM Y	:	-1.994	-1.489	-1.380
CENTROID X	:	.024	.151	-.003
CENTROID Y	:	.108	.330	.221
POA TO CENTROID in.	:	.111	.363	.221
MIN RADIUS	:	.552	.667	.661
MEAN RADIUS	:	1.322	1.185	1.148
MAX RADIUS	:	2.301	1.696	1.513
HORIZONTAL SPREAD	:	2.817	2.817	2.396
VERTICAL SPREAD	:	3.501	2.774	2.774
EXTREME SPREAD	:	3.980	3.185	2.891
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

17 Jun 1991

FILE: \PATTERNING\CENTERFIRE_PATT\03611534.1.1

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS = 2.970

VS = 2.351

GS = 2.856

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.204	.970	.898
MINIMUM X	-1.066	-.932	-1.004
MAXIMUM Y	1.164	1.267	1.132
MINIMUM Y	-1.187	-1.084	-.957
CENTROID X	-.176	-.310	-.238
CENTROID Y	-.128	-.231	-.096
POA TO CENTROID in.	.218	.387	.256
MIN RADIUS	.176	.043	.143
MEAN RADIUS	.897	.798	.748
MAX RADIUS	1.522	1.278	1.157
HORIZONTAL SPREAD	2.270	1.902	1.902
VERTICAL SPREAD	2.351	2.351	2.089
EXTREME SPREAD	2.856	2.386	2.094
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

17 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11534.1.1

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 0

2 in = 0

3 in = 0

HE = 0.8557

VS = 0.8552

GS = 0.944

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.524	1.445	1.455
MINIMUM X	-1.333	-1.412	-1.402
MAXIMUM Y	1.638	1.392	1.113
MINIMUM Y	-2.214	-2.237	-1.324
CENTROID X	.120	.199	.189
CENTROID Y	-.472	-.226	.053
POA TO CENTROID in.	.487	.301	.196
MIN RADIUS	.642	.450	.316
MEAN RADIUS	1.404	1.240	1.059
MAX RADIUS	2.326	2.238	1.760
HORIZONTAL SPREAD	2.857	2.857	2.857
VERTICAL SPREAD	3.852	3.629	2.437
EXTREME SPREAD	3.944	3.629	3.138
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		5	