

C6649091

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Still
Smead




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

MODEL 700TM H24

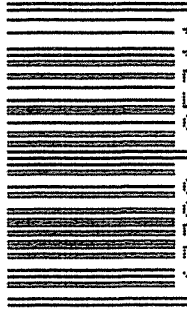
SERIAL NO.
C6649091

ORDER NO.
5716

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

20

UPC



0 47700 25716 7



5716 C6649091

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6649091

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/24/91	Kd
600	Proof		6/26/91	Kd
607	Check Headspace		6/26/91	Kd
610	Dis-assemble Gun		6/26/91	Kd
612	Magnaflux Barrel Action		JUL 1 8 1991	GS
	Magnaflux Bolt		JUL 1 8 1991	GS
615	Rollmark Caliber		JUL 1 8 1991	GS
617	Drill and Tap Sight Holes		JUL 1 8 1991	FB
618	Polish Barrel		JUL 2 0 1991	WB
620	Apply Coatings (Barrel Action)		6-27-91	Kd
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/8/91	Kd
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/8/91	Kd
	C) Inspect Ejector Hole for Chamfer		8/8/91	Kd
	D) Oil Firing Pin Ass'y		8/8/91	Kd
	E) Adjust Trigger Pull to Min Setting and Stake		8-10-91	D/H

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			8-10-91	DH
	G) Safety Off Force	3	3	3 1/2			8-10-91	DH
	H) Trigger Pull Test & Retainability						8-10-91	DH
	I) Firing Pin Indent	.020	.020	.020			8-10-91	DH
	J) Assemble Stock						8/13/91	KE
	K) Assemble Swivel Studs						8-15-91	DH
	L) Attach Front and Rear Sight Assemblies						8/13/91	KE
	M) Iron Sight Alignment						8/13/91	KE
	N) Detach Front & Rear Sights & place in numbered container						8/13/91	KE
	O) Attach Scope to Rifle						8/13/91	KE
	P) Detach & Attach Scope 20 Times						8/13/91	KE
640	Gallery Target & Test						8-14-91	DH
	A) Time						8-14-91	DH
	B) Malfunctions						8-14-91	DH
	C) Pierced Primers						8-14-91	DH
	D) Optical Clarity of Scope						8-14-91	DH
645	Inspect for Live Ammo						8-14-91	DH
655	Final Inspection							
	A) Headspace						8-15-91	DH
	B) Trigger Pull	2.20	2.22	2.19	2.20	2.20	8-15-91	92
	C) Function						8-15-91	DH
660	Pack						9-12-91	AF

SWS TRIGGER PULL TEST

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

SERIAL NO. C6649091

DATE 8-10-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.30	2.14	2.34	2.20	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.21	2.35	2.22	
PULL #3	2.24	2.18	2.30	2.19	
PULL #4	2.29	2.15	2.23	2.20	
PULL #5	2.40	2.13	2.19	2.20	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.04		
PULL #2	3.24	3.06		
PULL #3	3.18	3.23		
PULL #4	3.15	3.17		
PULL #5	3.04	3.15		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.52	4.51		4.42
PULL #2	4.43	4.43		4.22
PULL #3	4.41	4.29		4.45
PULL #4	4.01	4.41		4.44
PULL #5	4.41	4.47		4.38
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649091
23 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.439582
1 TO	2	.421967
1 TO	3	.0791581
1 TO	4	.378005
1 TO	5	.297236

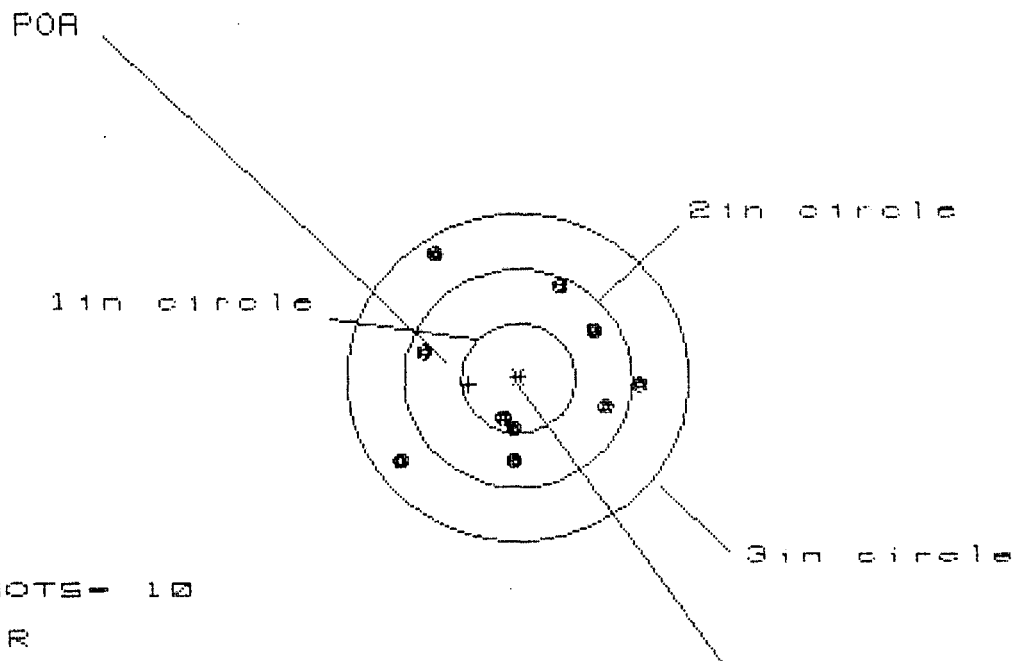
13 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2244
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.021
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .22538
THE AMR FOR THIS RIFLE IS: .8982

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6645091

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.102

VS= 1.948

GS= 2.205

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.056	.973	.832
MINIMUM X	:	-1.046	-1.129	-1.077
MAXIMUM Y	:	1.180	1.013	.935
MINIMUM Y	:	-.768	-.637	-.715
CENTROID X	:	.436	.519	.660
CENTROID Y	:	.056	-.075	.003
POA TO CENTROID in.	:	.440	.524	.660
MIN RADIUS	:	.380	.296	.448
MEAN RADIUS	:	.879	.791	.727
MAX RADIUS	:	1.395	1.289	1.127
HORIZONTAL SPREAD	:	2.102	2.102	1.909
VERTICAL SPREAD	:	1.948	1.650	1.650
EXTREME SPREAD	:	2.205	2.205	1.944
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	7		
NUMBER IN THREE INCH CIRCLE =	:	10		

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649091

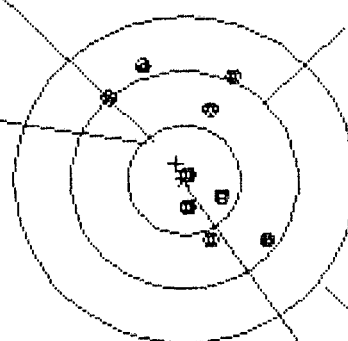
CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS = 1.697

VS = 3.068

GS = 3.222

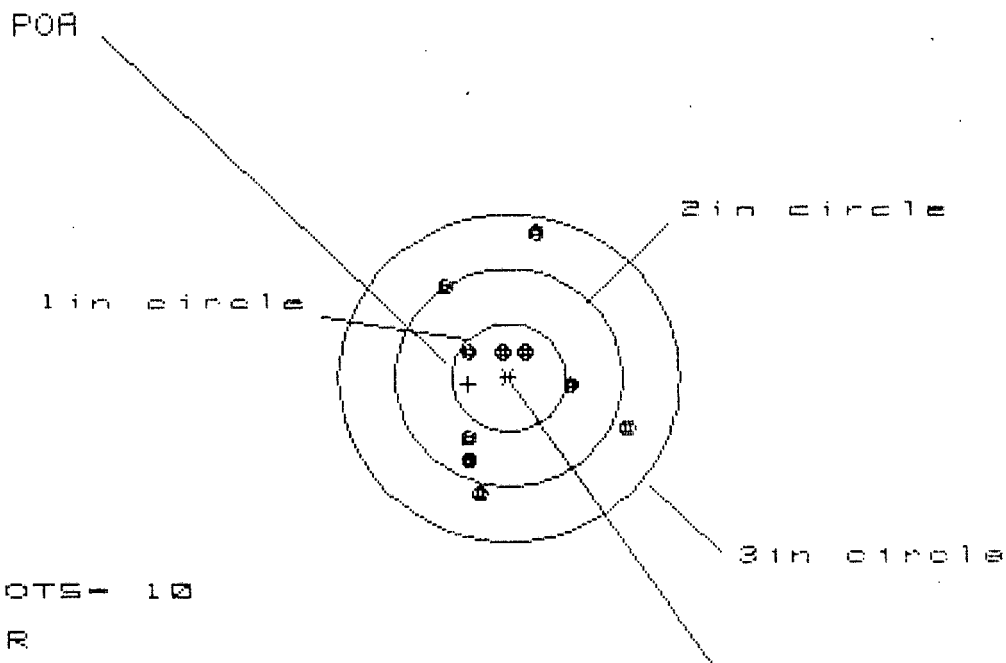
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.774	.672	.613
MINIMUM X	:	-.923	-.727	-.786
MAXIMUM Y	:	1.096	.877	.852
MINIMUM Y	:	-1.972	-.729	-.619
CENTROID X	:	.070	.172	.231
CENTROID Y	:	-.154	.065	-.045
POA TO CENTROID in.	:	.169	.184	.235
MIN RADIUS	:	.064	.180	.136
MEAN RADIUS	:	.817	.664	.598
MAX RADIUS	:	2.177	.995	.998
HORIZONTAL SPREAD	:	1.697	1.399	1.399
VERTICAL SPREAD	:	3.068	1.606	1.471
EXTREME SPREAD	:	3.222	1.964	1.862
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649091

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS = 1.654

VS = 2.399

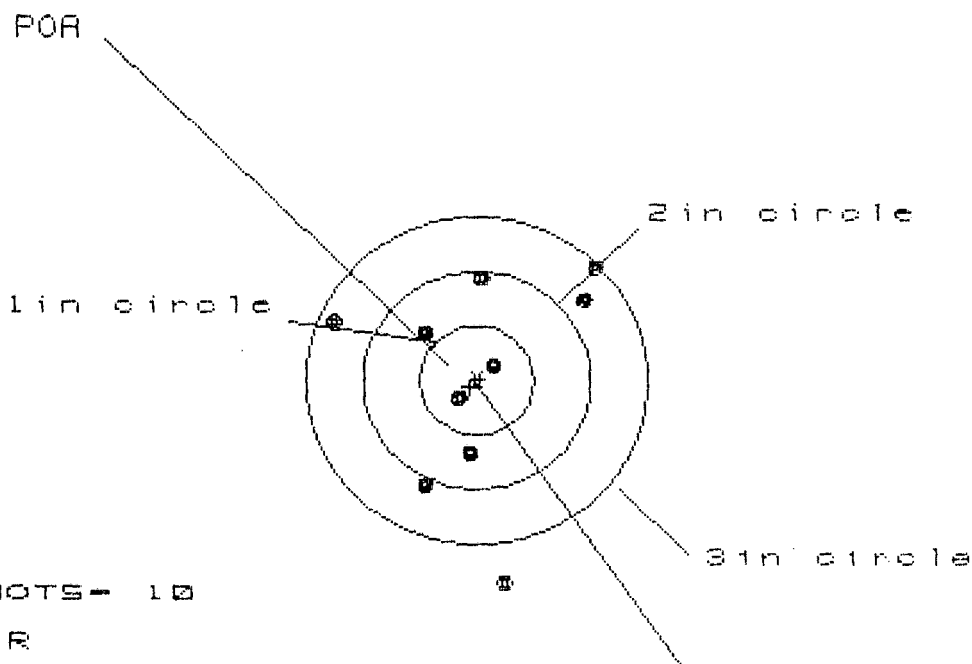
GS = 2.448

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.075	1.106	.677
MINIMUM X	:	-.579	-.548	-.410
MAXIMUM Y	:	1.350	.998	.961
MINIMUM Y	:	-1.049	-.899	-.936
CENTROID X	:	.357	.326	.188
CENTROID Y	:	.061	-.089	-.052
POA TO CENTROID in.	:	.362	.338	.195
MIN RADIUS	:	.224	.372	.350
MEAN RADIUS	:	.758	.696	.627
MAX RADIUS	:	1.378	1.143	1.045
HORIZONTAL SPREAD	:	1.654	1.654	1.087
VERTICAL SPREAD	:	2.399	1.897	1.897
EXTREME SPREAD	:	2.448	2.096	1.932
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	10		

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649091

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 8

HS = 2.297

VS = 2.872

GS = 2.997

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.072	1.096	1.063
MINIMUM X	:	-1.225	-1.201	-1.065
MAXIMUM Y	:	1.056	.855	.821
MINIMUM Y	:	-1.815	-1.196	-1.089
CENTROID X	:	.058	.034	-.103
CENTROID Y	:	.058	.260	.153
POA TO CENTROID in.	:	.083	.262	.184
MIN RADIUS	:	.202	.224	.287
MEAN RADIUS	:	.957	.855	.773
MAX RADIUS	:	1.828	1.390	1.223
HORIZONTAL SPREAD	:	2.297	2.297	2.128
VERTICAL SPREAD	:	2.872	2.051	1.910
EXTREME SPREAD	:	2.997	2.550	2.163
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649091
23 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.439582
1 TO	2	.421967
1 TO	3	.0791581
1 TO	4	.378005
1 TO	5	.297236

43 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2244
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.021
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .22538
THE AMR FOR THIS RIFLE IS: .8982

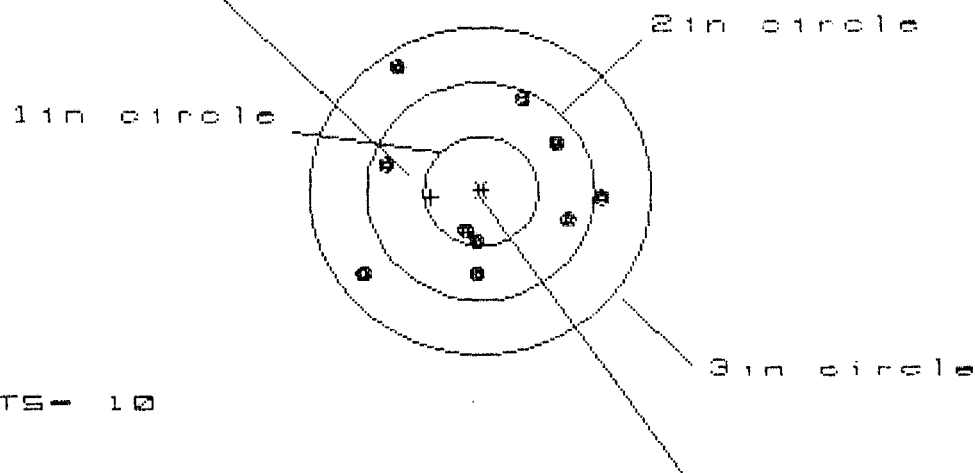
22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6845081

CENTERFIRE PATTERNS

1

FOR



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.102

VS= 1.948

GS= 2.205

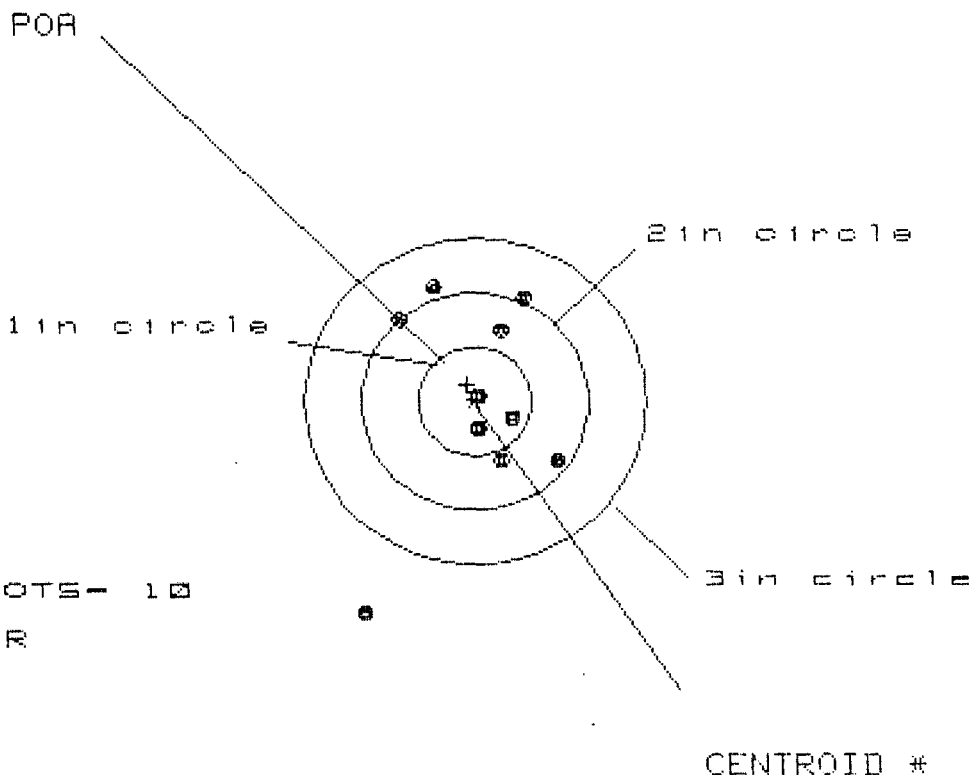
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.056	.973	.832
MINIMUM X	:	-1.046	-1.129	-1.077
MAXIMUM Y	:	1.180	1.013	.935
MINIMUM Y	:	-.768	-.637	-.715
CENTROID X	:	.436	.519	.660
CENTROID Y	:	.056	-.075	.003
FOR TO CENTROID in.	:	.440	.524	.660
MIN RADIUS	:	.380	.296	.448
MEAN RADIUS	:	.879	.791	.727
MAX RADIUS	:	1.395	1.289	1.127
HORIZONTAL SPREAD	:	2.102	2.102	1.909
VERTICAL SPREAD	:	1.948	1.650	1.650
EXTREME SPREAD	:	2.205	2.205	1.944
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649091

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS = 1.697

VS = 3.068

GS = 3.222

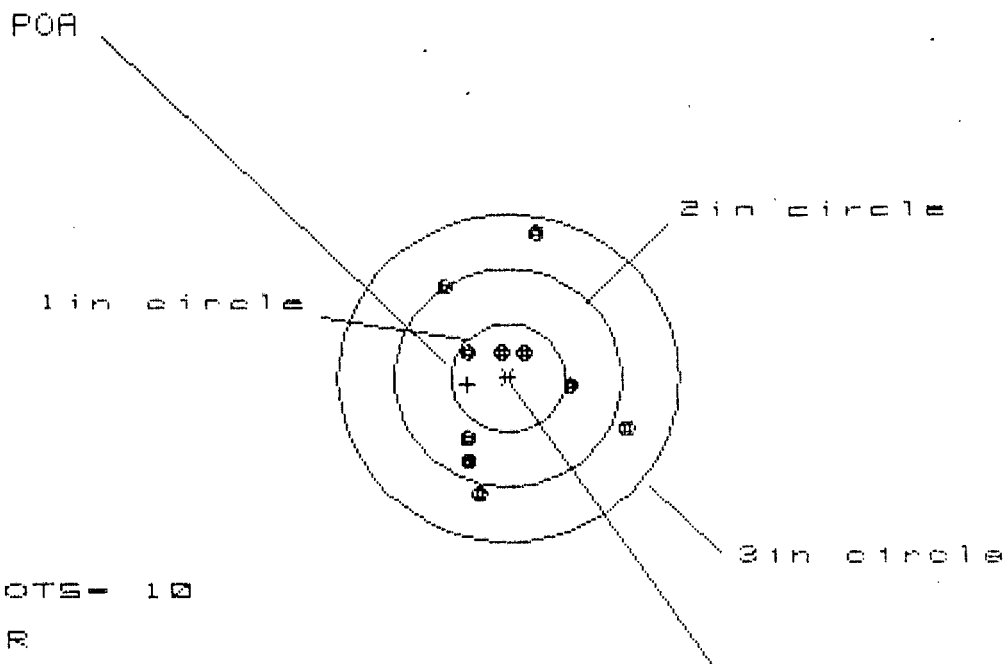
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.774	.672	.613
MINIMUM X	:	-.923	-.727	-.786
MAXIMUM Y	:	1.096	.877	.852
MINIMUM Y	:	-1.972	-.729	-.619
CENTROID X	:	.070	.172	.231
CENTROID Y	:	-.154	.065	-.045
POR TO CENTROID in.	:	.169	.184	.235
MIN RADIUS	:	.064	.180	.136
MEAN RADIUS	:	.817	.664	.598
MAX RADIUS	:	2.177	.995	.998
HORIZONTAL SPREAD	:	1.697	1.399	1.399
VERTICAL SPREAD	:	3.068	1.606	1.471
EXTREME SPREAD	:	3.222	1.964	1.862
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649091

CENTERFIRE PATTERNS

3



OF SHOTS - 10

IN CIR

1 in - 3

2 in - 6

3 in = 10

HS = 1.654

VS = 2.399

GS = 2.448

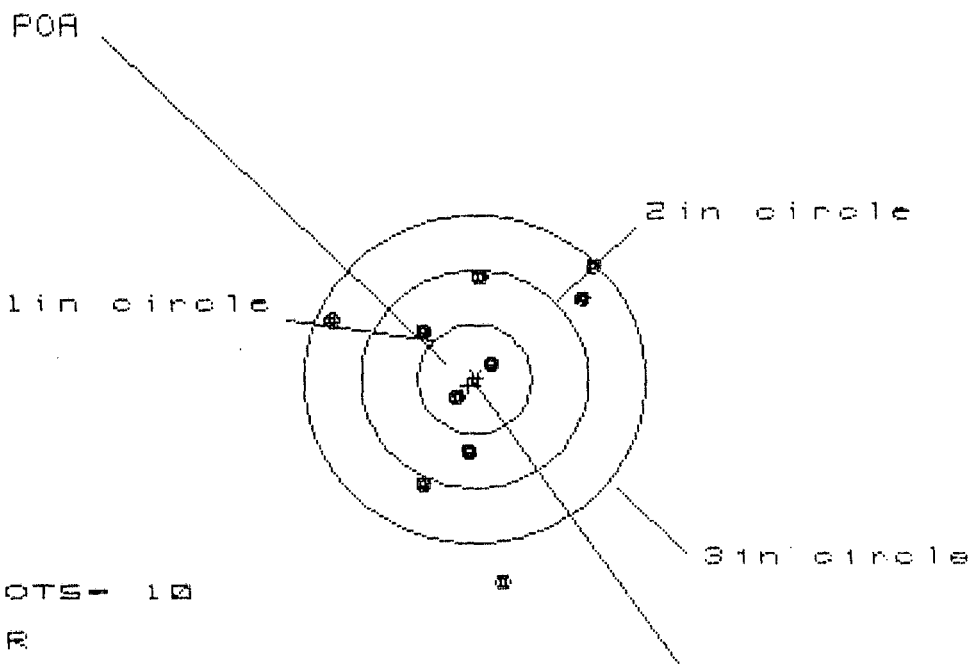
CENTROID *

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.075	1.106	.677
MINIMUM X	:	-.579	-.548	-.410
MAXIMUM Y	:	1.350	.998	.961
MINIMUM Y	:	-1.049	-.899	-.936
CENTROID X	:	.357	.326	.188
CENTROID Y	:	.061	-.089	-.052
POA TO CENTROID in.	:	.362	.338	.195
MIN RADIUS	:	.224	.372	.350
MEAN RADIUS	:	.758	.696	.627
MAX RADIUS	:	1.378	1.143	1.045
HORIZONTAL SPREAD	:	1.654	1.654	1.087
VERTICAL SPREAD	:	2.399	1.897	1.897
EXTREME SPREAD	:	2.448	2.096	1.932
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649001

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.297

VS= 2.872

GS= 2.997

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.072	1.096	1.063
MINIMUM X	:	-1.225	-1.201	-1.065
MAXIMUM Y	:	1.056	.855	.821
MINIMUM Y	:	-1.015	-1.196	-1.089
CENTROID X	:	.058	.034	-.103
CENTROID Y	:	.058	.260	.153
POA TO CENTROID in.	:	.083	.262	.184
MIN RADIUS	:	.202	.224	.287
MEAN RADIUS	:	.957	.855	.773
MAX RADIUS	:	1.828	1.390	1.223
HORIZONTAL SPREAD	:	2.297	2.297	2.128
VERTICAL SPREAD	:	2.872	2.051	1.910
EXTREME SPREAD	:	2.997	2.550	2.163
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649091
23 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.439582
1 TO	2	.421967
1 TO	3	.0791581
1 TO	4	.378005
1 TO	5	.297236

43 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2244
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.021
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .22538

THE AMR FOR THIS RIFLE IS: .8982

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649091

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.102

VS= 1.948

GS= 2.205

PATTERN #

:

1

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.056

.973

.832

MINIMUM X

:

-1.046

-1.129

-1.077

MAXIMUM Y

:

1.180

1.013

.935

MINIMUM Y

:

-.768

-.637

-.715

CENTROID X

:

.436

.519

.660

CENTROID Y

:

.056

-.075

.003

POA TO CENTROID in.:

:

.440

.524

.660

MIN RADIUS

:

.380

.296

.448

MEAN RADIUS

:

.879

.791

.727

MAX RADIUS

:

1.395

1.289

1.127

HORIZONTAL SPREAD

:

2.102

2.102

1.909

VERTICAL SPREAD

:

1.948

1.650

1.650

EXTREME SPREAD

:

2.205

2.205

1.944

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

10

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649091

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 1.697

VS= 3.068

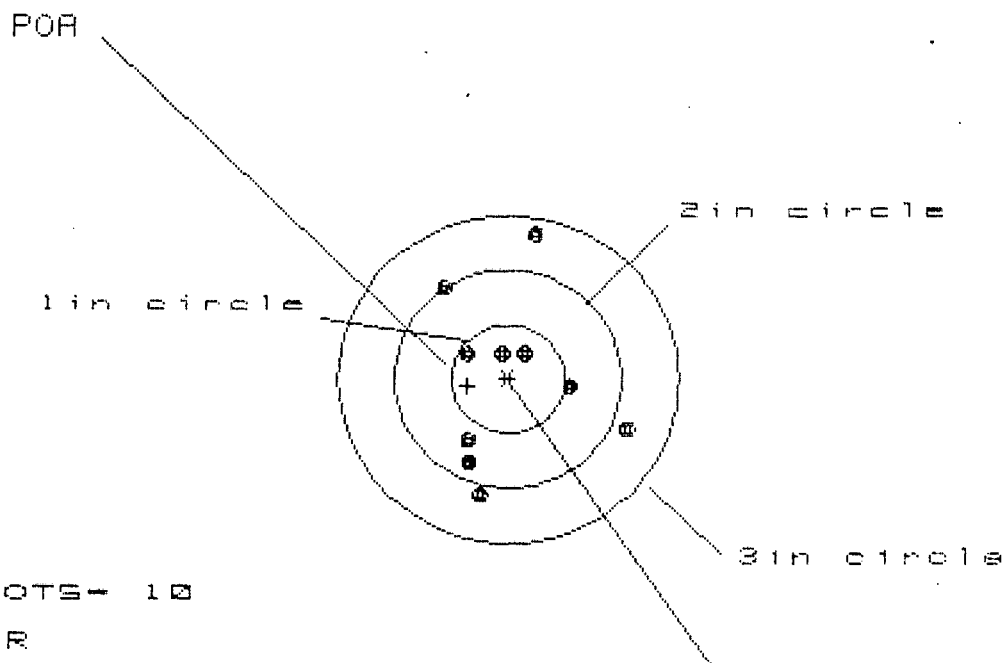
GS= 3.222

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.774	.672	.613
MINIMUM X	:	-.923	-.727	-.786
MAXIMUM Y	:	1.096	.877	.852
MINIMUM Y	:	-1.972	-.729	-.619
CENTROID X	:	.070	.172	.231
CENTROID Y	:	-.154	.065	-.045
POA TO CENTROID in.	:	.169	.184	.235
MIN RADIUS	:	.064	.180	.136
MEAN RADIUS	:	.817	.664	.598
MAX RADIUS	:	2.177	.995	.998
HORIZONTAL SPREAD	:	1.697	1.399	1.399
VERTICAL SPREAD	:	3.068	1.606	1.471
EXTREME SPREAD	:	3.222	1.964	1.862
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649091

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in - 3

2 in - 6

3 in - 10

HS- 1.654

VS- 2.399

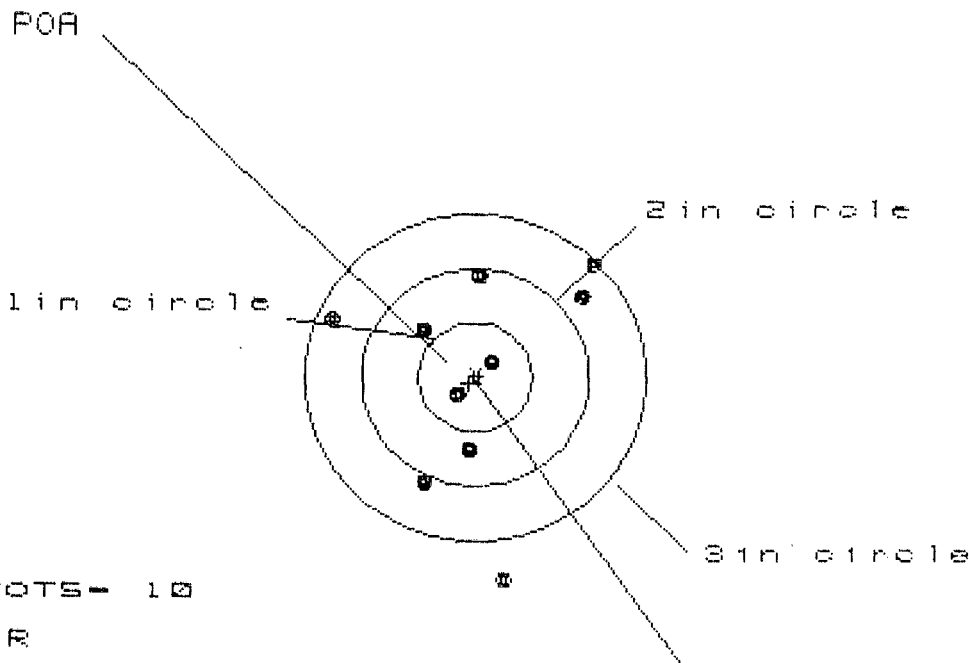
GS- 2.448

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.075	1.106	.677
MINIMUM X	:	-.579	-.548	-.410
MAXIMUM Y	:	1.350	.998	.961
MINIMUM Y	:	-1.049	-.899	-.936
CENTROID X	:	.357	.326	.188
CENTROID Y	:	.061	-.089	-.052
POA TO CENTROID in.	:	.362	.338	.195
MIN RADIUS	:	.224	.372	.350
MEAN RADIUS	:	.758	.696	.627
MAX RADIUS	:	1.378	1.143	1.045
HORIZONTAL SPREAD	:	1.654	1.654	1.087
VERTICAL SPREAD	:	2.399	1.897	1.897
EXTREME SPREAD	:	2.448	2.096	1.932
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	10		

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649091

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.297

VS= 2.872

GS= 2.897

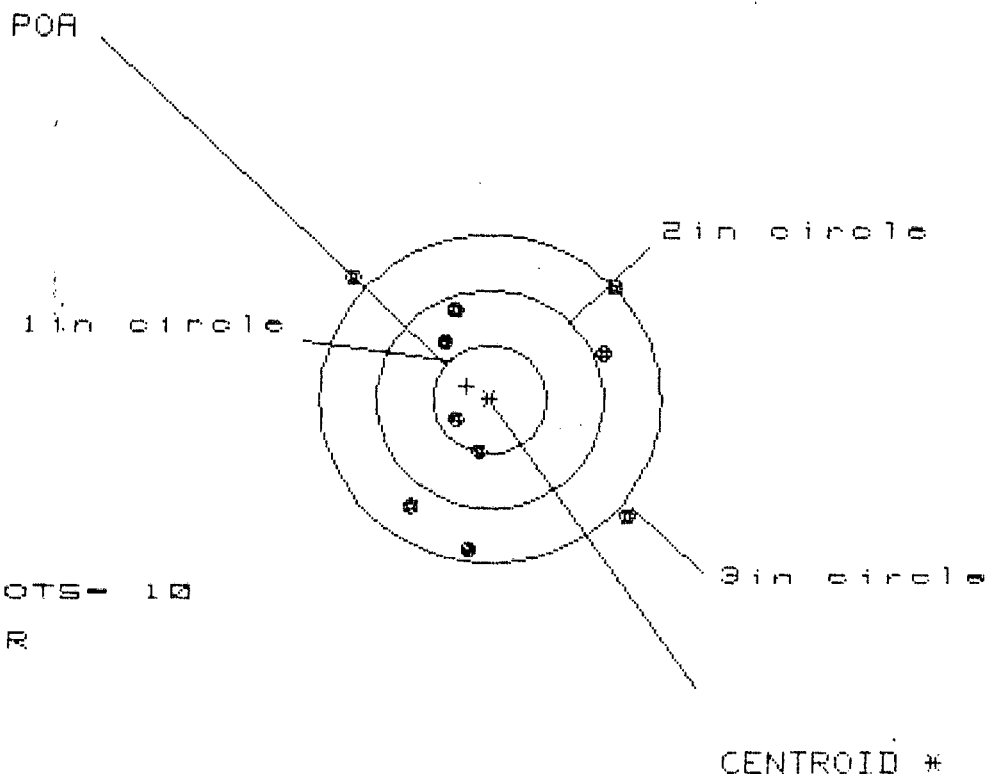
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.072	1.096	1.063
MINIMUM X	:	-1.225	-1.201	-1.065
MAXIMUM Y	:	1.056	.855	.821
MINIMUM Y	:	-1.815	-1.196	-1.089
CENTROID X	:	.058	.034	-.103
CENTROID Y	:	.058	.260	.153
POA TO CENTROID in.	:	.083	.262	.184
MIN RADIUS	:	.202	.224	.287
MEAN RADIUS	:	.957	.855	.773
MAX RADIUS	:	1.828	1.390	1.223
HORIZONTAL SPREAD	:	2.297	2.297	2.128
VERTICAL SPREAD	:	2.872	2.051	1.910
EXTREME SPREAD	:	2.997	2.550	2.163
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS= 2.394

VS= 2.503

GS= 3.253

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.161	1.024	1.093
MINIMUM X	:	-1.233	-.821	-.693
MAXIMUM Y	:	1.121	1.173	1.053
MINIMUM Y	:	-1.382	-1.257	-1.377
CENTROID X	:	.201	.338	.210
CENTROID Y	:	-.126	-.251	-.131
POA TO CENTROID in.	:	.237	.421	.247
MIN RADIUS	:	.318	.424	.324
MEAN RADIUS	:	1.080	1.021	.945
MAX RADIUS	:	1.666	1.519	1.518
HORIZONTAL SPREAD	:	2.394	1.845	1.786
VERTICAL SPREAD	:	2.503	2.430	2.430
EXTREME SPREAD	:	3.253	2.760	2.760
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	