

C6522146

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington



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

MODEL 700™ H24

SERIAL NO.
C6522146

ORDER NO.
5716

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

01



5716 C6522146

UPC



0 47700 25716 7

MOD. <u>M-24</u>		GA. CAL. _____	GUN # <u>2146</u>
# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st <u>11/30/90</u>	STOCK CRACKED AT BOLT HANDLE CUT <u> </u>	23
	2nd	NEW STK RE-SHOOT	KS <u>11/30/90</u>
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	OK	
TEST		
TGT		
PROOF	KT	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			8/16/90	JH
	G) Safety Off Force	3	3	3			8/14/90	JH
	H) Trigger Pull Test & Retainability						8/25/90	JH
	I) Firing Pin Indent	.0215	.021	.0215			8/16/90	JH
	J) Assemble Stock						8/16/90	KS
	K) Assemble Swivel Studs						8/30/90	JS
	L) Attach Front and Rear Sight Assemblies						8/16/90	KS
	M) Iron Sight Alignment						8/16/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/16/90	KS
	O) Attach Scope to Rifle						8/16/90	KS
	P) Detach & Attach Scope 20 Times						8/16/90	KS
640	Gallery Target & Test						8-17-90	DH
	A) Time						8-17-90	DH
	B) Malfunctions						8-17-90	DH
	C) Pierced Primers						8-17-90	DH
	D) Optical Clarity of Scope						8-17-90	DH
645	Inspect for Live Ammo						8-17-90	DH
655	Final Inspection							
	A) Headspace						8/30/90	JS
	B) Trigger Pull	2.25	2.14	2.34	2.42	2.48	8/25/90	JH
	C) Function						8/30/90	JS
660	Pack						12-17-90	DH

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

SERIAL NO. C6522146DATE 8/24/90TESTER JRL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.40	2.43	2.25	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.40	2.44	2.14	
PULL #3	2.38	2.38	2.44	2.34	
PULL #4	2.48	2.40	2.49	2.42	
PULL #5	2.37	2.39	2.37	2.48	
TOTAL	12.12	11.97	12.17	11.63	
AVG.	2.424	2.394	2.434	2.326	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.17		
PULL #2	3.23	3.17		
PULL #3	3.20	3.12		
PULL #4	3.15	3.10		
PULL #5	3.11	3.12		
TOTAL	15.94	15.68		
AVG.	3.188	3.136		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.32		4.25
PULL #2	4.25	4.27		4.32
PULL #3	4.19	4.40		4.40
PULL #4	4.27	4.41		4.35
PULL #5	4.30	4.28		4.39
TOTAL	21.28	21.68		21.71
AVG.	4.256	4.336		4.342

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522146
1 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.586963
1 TO	2	.824277
1 TO	3	.399992
1 TO	4	.593264
1 TO	5	.787051

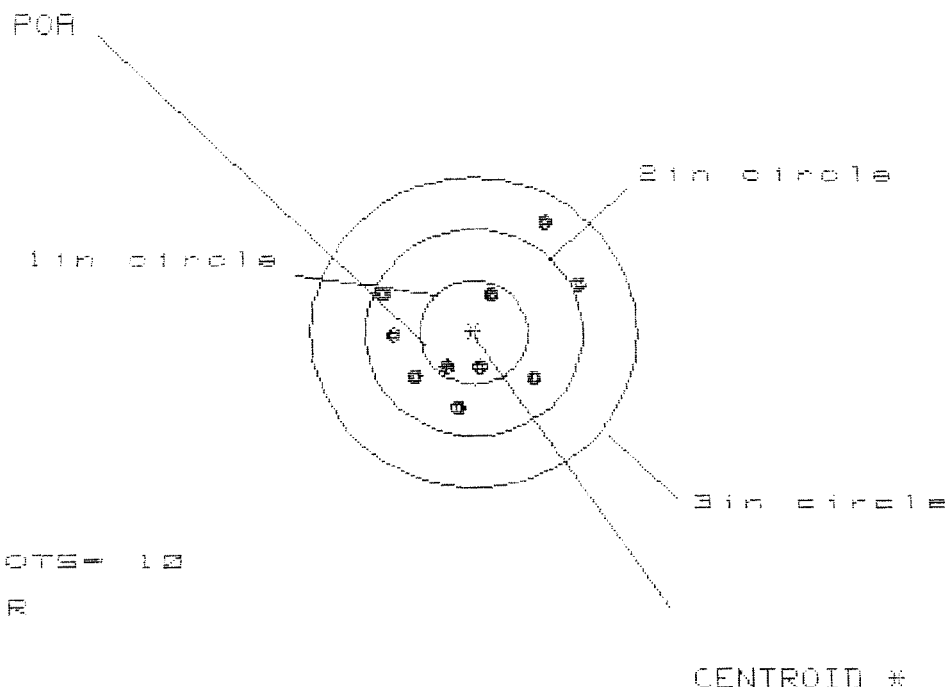
$1 \frac{5}{4}$ <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0576
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1996
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .267745
THE AMP FOR THIS RIFLE IS: .7514

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522146.1

CENTERFIRE PATTERNS # 1



OF SHOTS= 12

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS= 1.850

VS= 1.819

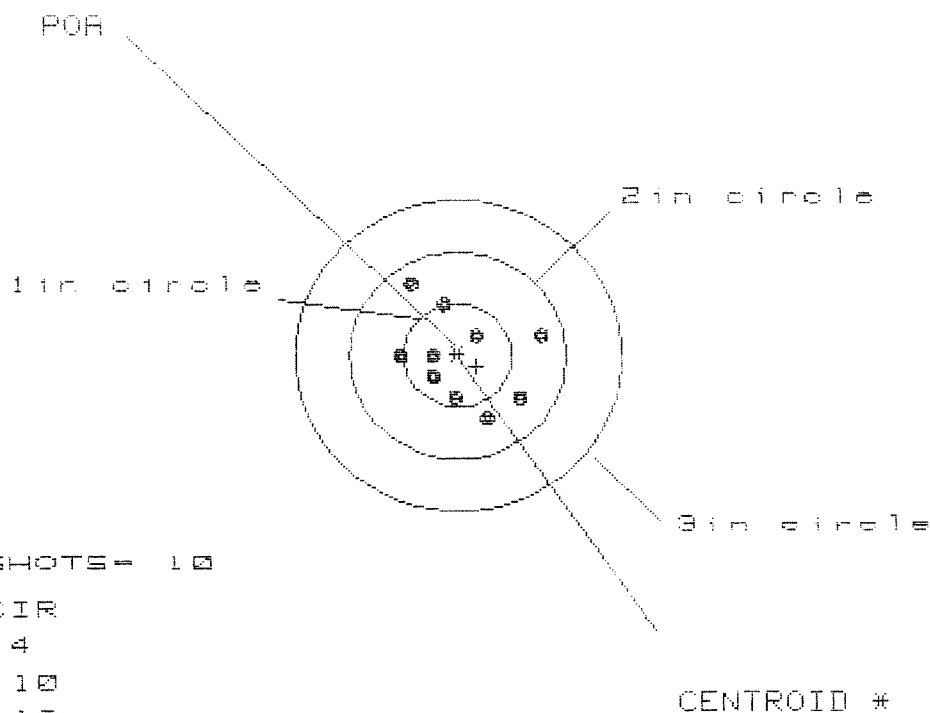
GS= 2.016

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.992	1.068	.775
MINIMUM X	-.858	-.782	-.649
MAXIMUM Y	1.089	.578	.590
MINIMUM Y	-.730	-.609	-.537
CENTROID X	.245	.169	.036
CENTROID Y	.329	.208	.136
FOR TO CENTROID in.	.410	.268	.141
MIN RADIUS	.388	.293	.179
MEAN RADIUS	.742	.648	.547
MAX RADIUS	1.283	1.214	.875
HORIZONTAL SPREAD	1.850	1.850	1.424
VERTICAL SPREAD	1.819	1.187	1.127
DIAGNOME SPREAD	2.016	1.851	1.636
SHOTS IN ONE INCH CIRCLE =	3		
SHOTS IN TWO INCH CIRCLE =	8		
SHOTS IN THREE INCH CIRCLE =	10		

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522146.1

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 4

2in = 10

3in = 10

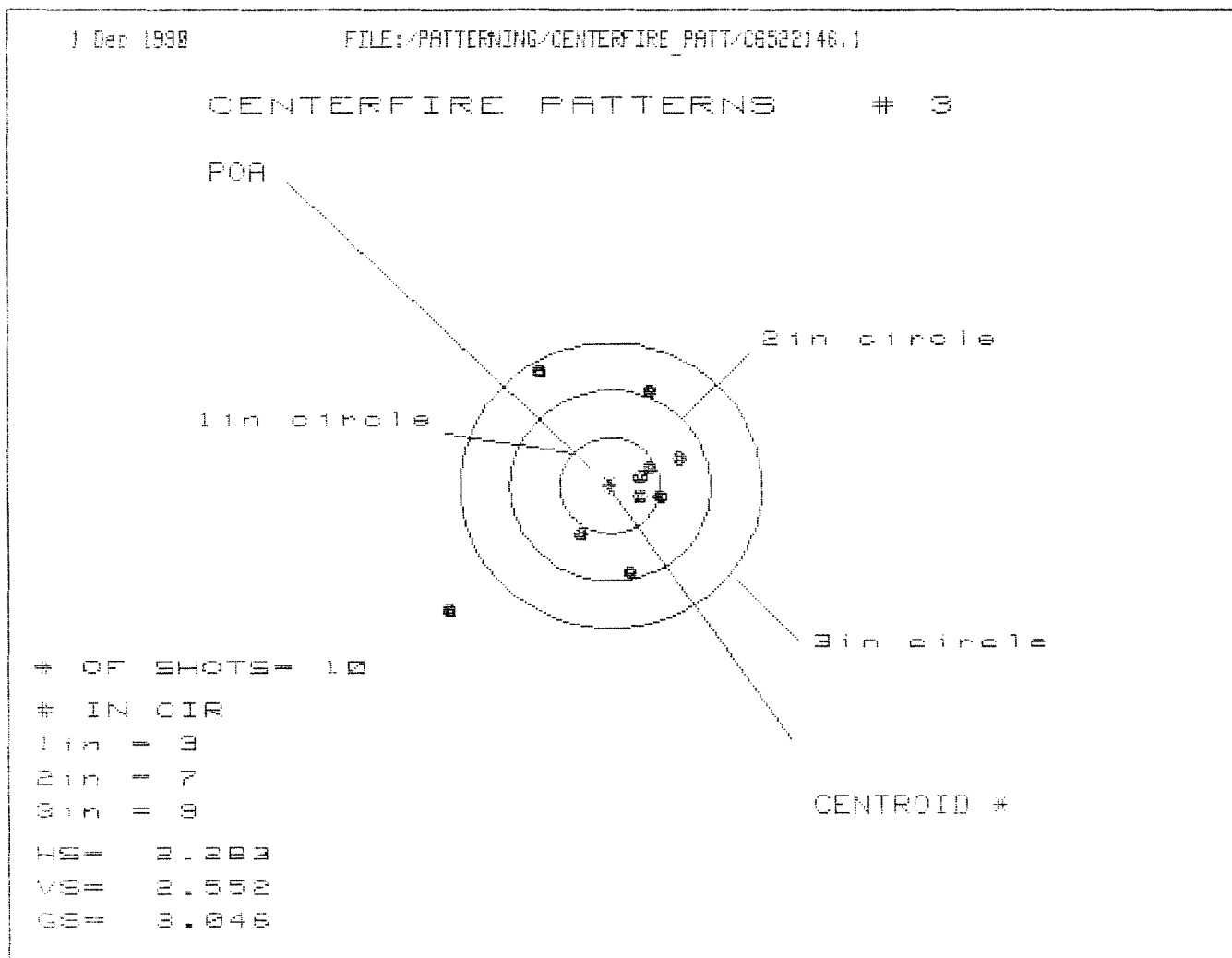
HS= 1.259

VS= 1.312

GS= 1.487

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.733	.683	.585
MINIMUM X	:	-.525	-.576	-.491
MAXIMUM Y	:	.704	.605	.642
MINIMUM Y	:	-.608	-.530	-.493
CENTROID X	:	-.168	-.117	-.202
CENTROID Y	:	.103	.025	-.012
POA TO CENTROID in.	:	.197	.119	.202
MIN RADIUS	:	.242	.292	.230
MEAN RADIUS	:	.519	.480	.428
MAX RADIUS	:	.840	.743	.653
HORIZONTAL SPREAD	:	1.259	1.259	1.076
VERTICAL SPREAD	:	1.312	1.135	1.135
EXTREME SPREAD	:	1.487	1.281	1.204
NUMBER IN ONE INCH CIRCLE	:	4		
NUMBER IN TWO INCH CIRCLE	:	10		



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.702	.526	.416
MINIMUM X	:	-1.581	-.881	-.637
MAXIMUM Y	:	1.220	1.072	1.014
MINIMUM Y	:	-1.332	-1.023	-.689
CENTROID X	:	.008	.184	.294
CENTROID Y	:	.005	.153	.019
POA TO CENTROID in.	:	.009	.239	.294
MIN. RADIUS	:	.253	.088	.089
MEAN RADIUS	:	.833	.531	.491
MAX. RADIUS	:	2.067	1.388	1.016

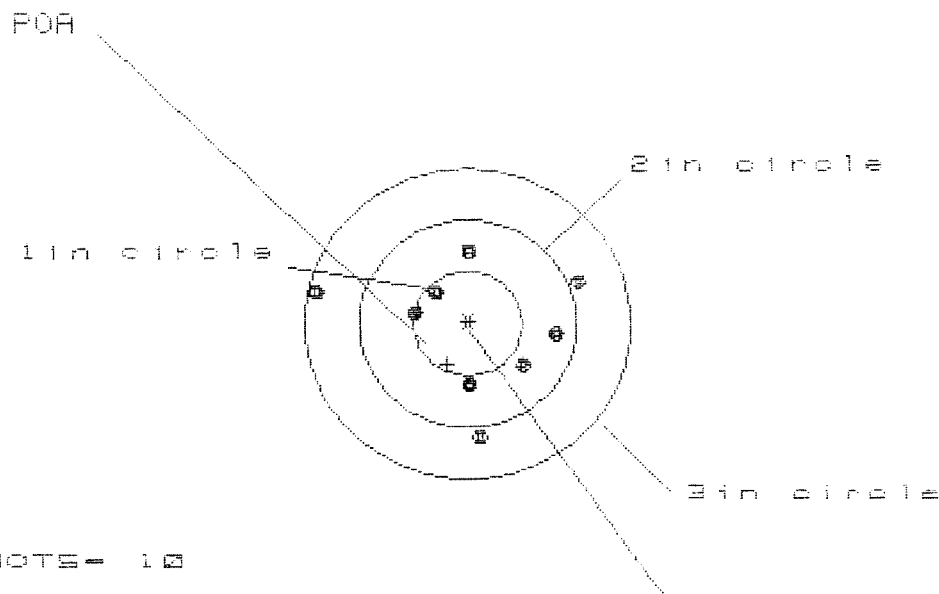
BARBER - M24 0004487

HORIZONTAL SPREAD :	2.283	1.407	1.053
VERTICAL SPREAD :	2.552	2.095	1.903
EXTREME SPREAD :	3.046	2.283	1.908
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522146.1

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 10

HS = 2.423

VS = 1.801

GS = 2.424

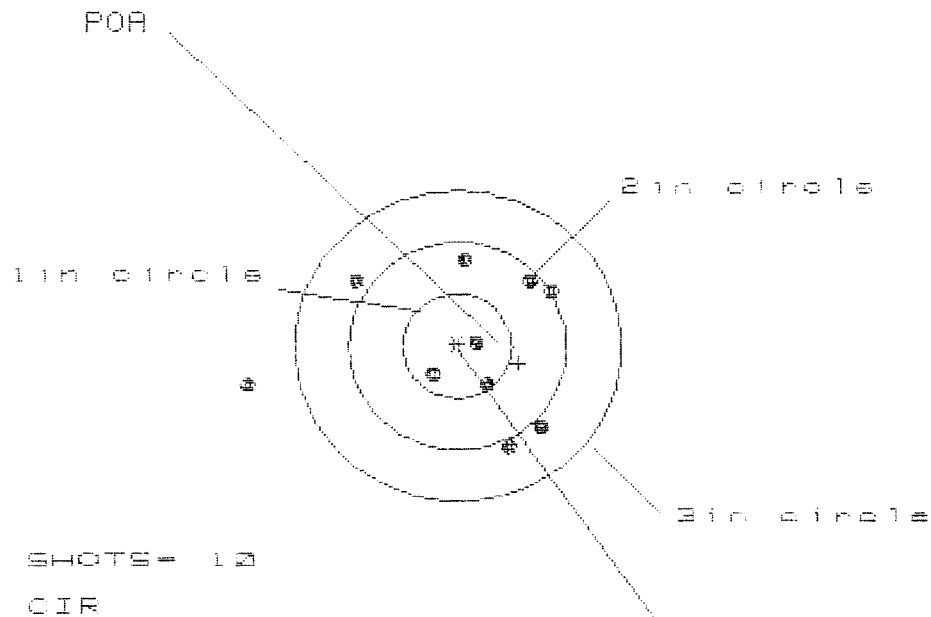
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.997	.839	.834
MINIMUM X	:	-1.426	-.630	-.635
MAXIMUM Y	:	.693	.728	.594
MINIMUM Y	:	-1.108	-1.073	-.665
CENTROID X	:	.190	.348	.353
CENTROID Y	:	.395	.360	.494
FOR TO CENTROID in.	:	.438	.501	.608
MIN RADIUS	:	.416	.469	.472
MEAN RADIUS	:	.761	.682	.622
MAX RADIUS	:	1.460	1.074	.882
HORIZONTAL SPREAD	:	2.423	1.469	1.469
VERTICAL SPREAD	:	1.801	1.801	1.299
EXTREME SPREAD	:	2.424	1.804	1.502
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	

1 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522146.1

CENTERFIRE PATTERNS # 5



OF SHOTS= 12

IN CIR

1in = 3

2in = 6

3in = 9

ME= 2.823

MS= 1.782

GS= 2.948

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.844
MINIMUM X	-1.979
MAXIMUM Y	.819
MINIMUM Y	-1.963
CENTROID X	-.563
CENTROID Y	.166
POR TO CENTROID in.	.587
MIN RADIUS	.191
MEAN RADIUS	.982
MAX RADIUS	2.009
HORIZONTAL SPREAD	2.823
VERTICAL SPREAD	1.782
EXTREME SPREAD	2.948
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522146
17 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.192575
1 TO	2	.416808
1 TO	3	.0644981
1 TO	4	.335201
1 TO	5	.2378

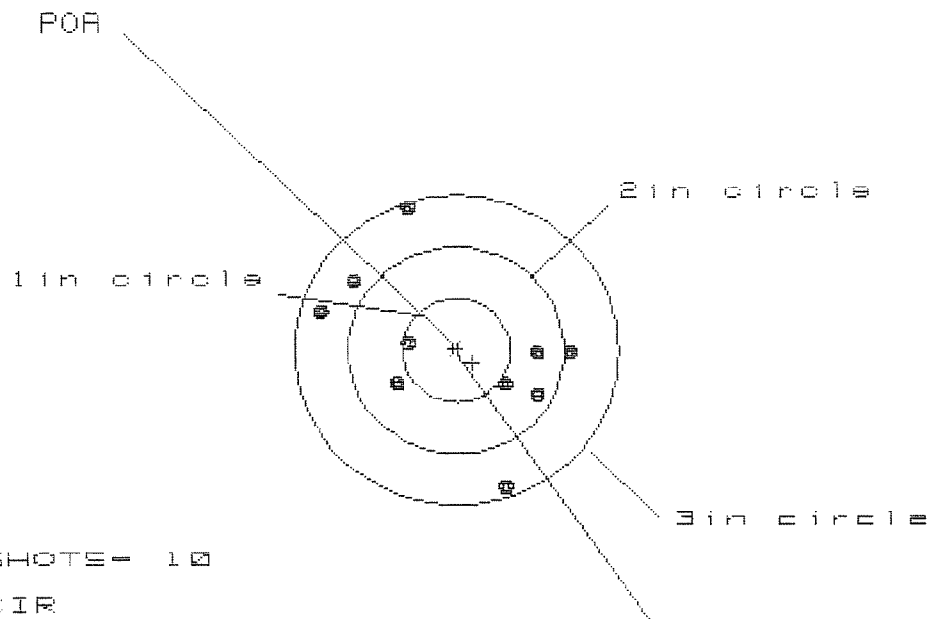
$\frac{34}{512}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0486
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0564
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0744588
THE AMR FOR THIS RIFLE IS: .9462

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522146

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.314

VS= 2.656

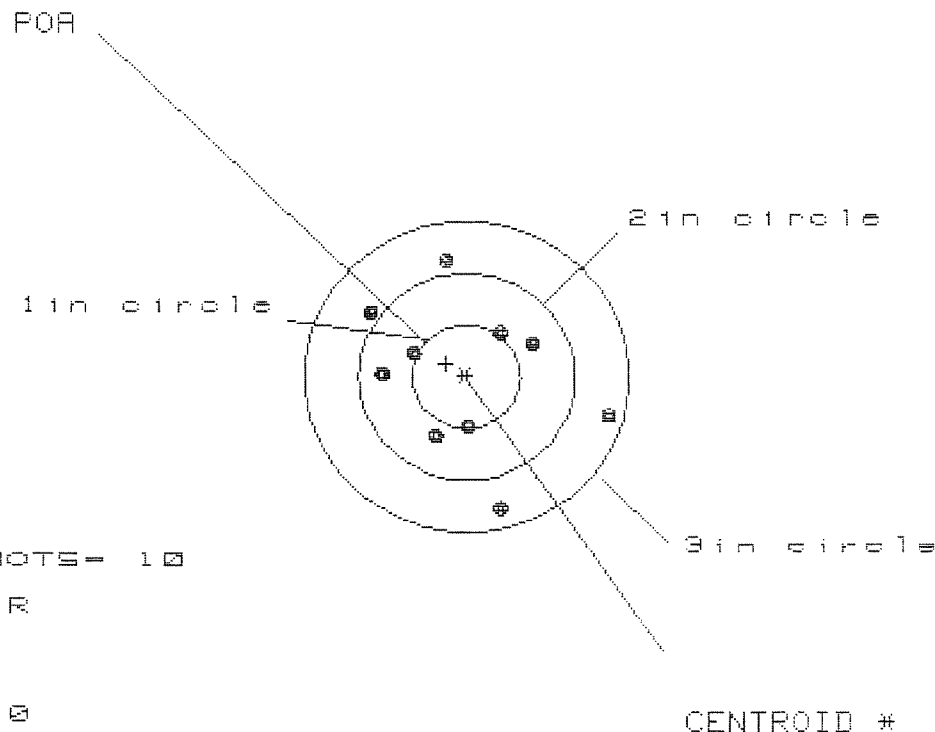
GS= 2.815

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.091	1.040	1.092
MINIMUM X	:	-1.223	-1.274	-1.222
MAXIMUM Y	:	1.342	.837	.691
MINIMUM Y	:	-1.314	-1.164	-.393
CENTROID X	:	-.149	-.098	-.150
CENTROID Y	:	.122	-.028	.118
POA TO CENTROID in.	:	.192	.101	.191
MIN RADIUS	:	.409	.487	.408
MEAN RADIUS	:	.970	.901	.860
MAX RADIUS	:	1.419	1.383	1.283
HORIZONTAL SPREAD	:	2.314	2.314	2.314
VERTICAL SPREAD	:	2.656	2.001	1.084
EXTREME SPREAD	:	2.815	2.479	2.353
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522146

CENTERFIRE PATTERNS # 2

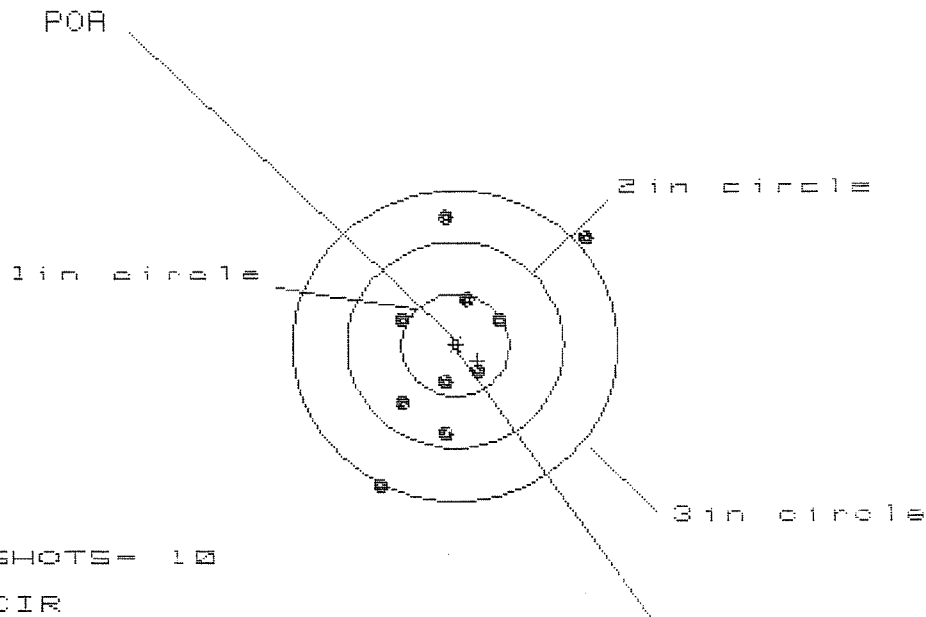


PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.341	.773	.825
MINIMUM X	:	-.850	-.701	-.649
MAXIMUM Y	:	1.091	1.052	.889
MINIMUM Y	:	-1.263	-1.303	-.773
CENTROID X	:	.186	.037	-.015
CENTROID Y	:	-.126	-.087	.076
POA TO CENTROID in.	:	.225	.094	.077
MIN RADIUS	:	.430	.343	.244
MEAN RADIUS	:	.831	.751	.658
MAX RADIUS	:	1.388	1.368	.889
HORIZONTAL SPREAD	:	2.191	1.474	1.474
VERTICAL SPREAD	:	2.355	2.355	1.662
EXTREME SPREAD	:	2.407	2.407	1.663
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	10		

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522146

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 1.806

VS= 2.600

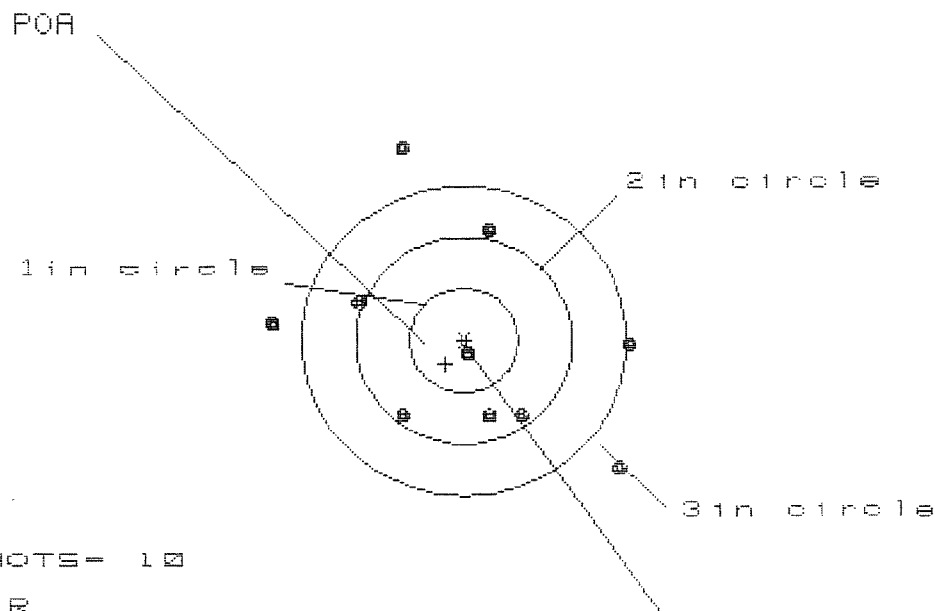
GS= 3.050

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.155	.489	.424
MINIMUM X	:	-.651	-.523	-.408
MAXIMUM Y	:	1.236	1.358	1.202
MINIMUM Y	:	-1.364	-1.242	-.854
CENTROID X	:	-.205	-.333	-.268
CENTROID Y	:	.154	.032	.188
POA TO CENTROID in.	:	.256	.334	.327
MIN RADIUS	:	.364	.218	.380
MEAN RADIUS	:	.814	.711	.632
MAX RADIUS	:	1.591	1.358	1.203
HORIZONTAL SPREAD	:	1.806	1.012	.832
VERTICAL SPREAD	:	2.600	2.600	2.056
EXTREME SPREAD	:	3.050	2.658	2.056
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522146

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 6

HS= 3.263

VS= 3.101

GS= 3.703

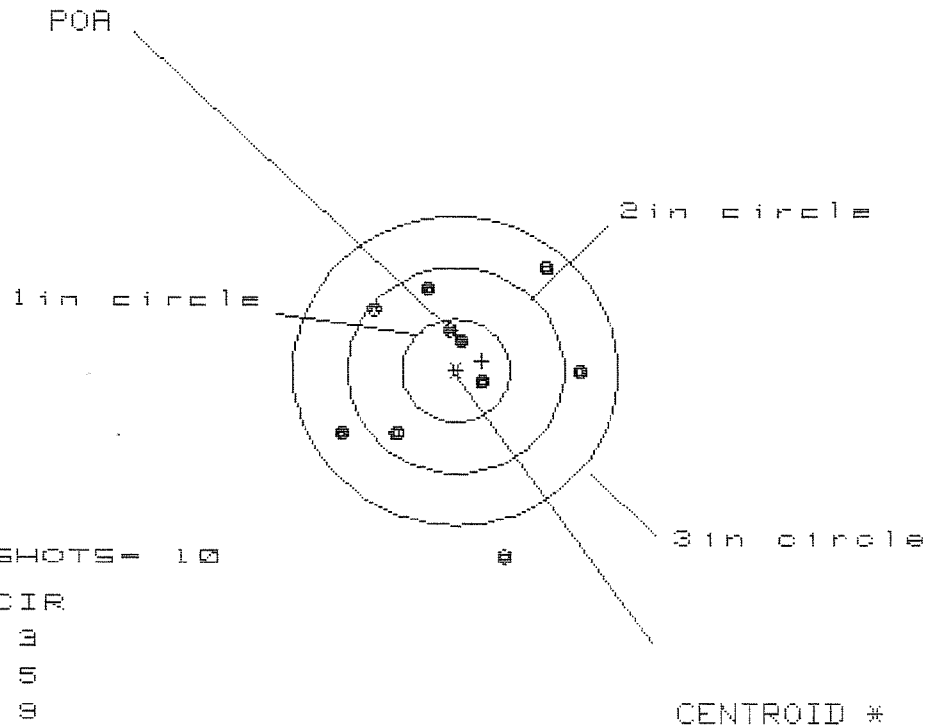
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.519	1.454	1.625
MINIMUM X	:	-1.744	-1.809	-1.638
MAXIMUM Y	:	1.877	1.281	1.154
MINIMUM Y	:	-1.224	-1.016	-.687
CENTROID X	:	.169	.234	.063
CENTROID Y	:	.228	.020	.147
POA TO CENTROID in.	:	.284	.235	.160
MIN RADIUS	:	.100	.127	.108
MEAN RADIUS	:	1.198	1.081	1.003
MAX RADIUS	:	1.966	1.847	1.656
HORIZONTAL SPREAD	:	3.263	3.263	3.263
VERTICAL SPREAD	:	3.101	2.297	1.841
EXTREME SPREAD	:	3.703	3.469	3.267
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522146

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 9

HS= 2.199

VS= 2.871

GS= 2.900

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.132	1.177	1.284
MINIMUM X	:	-1.067	-1.022	-.914
MAXIMUM Y	:	1.030	.825	.733
MINIMUM Y	:	-1.841	-.853	-.749
CENTROID X	:	-.244	-.289	-.396
CENTROID Y	:	-.096	.109	.005
POA TO CENTROID in.	:	.262	.309	.397
MIN RADIUS	:	.251	.097	.244
MEAN RADIUS	:	.918	.766	.730
MAX RADIUS	:	1.886	1.331	1.289
HORIZONTAL SPREAD	:	2.199	2.199	2.199
VERTICAL SPREAD	:	2.871	1.678	1.482
EXTREME SPREAD	:	2.900	2.521	2.291
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	