

C6522146

MODEL 700™ M24

Model **SMS**™

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. M-24GA.
CAL.GUN
2146

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st 11/30/90	STOCK CRACKED AT BOLT HANDLE CUT	23
	2nd	NEW STK RE-SHOOT	KS 11/30/90
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

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

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522146

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/10/90	Kd
600	Proof		7/10/90	Kd
607	Check Headspace		7/10/90	Kd
610	Dis-assemble Gun		7/10/90	Kd
612	Magnaflux Barrel Action		7-17-90	KR
	Magnaflux Bolt		7-17-90	KR
615	Rollmark Caliber		7-17-90	S.S.
617	Drill and Tap Sight Holes		7/23/90	KB
618	Polish Barrel RB		7/24/90	WB
620	Apply Coatings (Barrel Action)		7-16-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/15/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/15/90	KS
	C) Inspect Ejector Hole for Chamfer		8/15/90	KS
	D) Oil Firing Pin Ass'y		8/15/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		8/25/90	JK

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			8/16/90	SH
	G) Safety Off Force	3	3	3			8/16/90	SH
	H) Trigger Pull Test & Retainability						8/25/90	SH
	I) Firing Pin Indent	.0215	.021	.0215			8/16/90	SH
	J) Assemble Stock						8/16/90	KS
	K) Assemble Swivel Studs						8/30/90	SH
	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	SH
	B) Trigger Pull	2.25	2.14	2.34	2.42	2.48	8/25/90	SH
	C) Function						8/30/90	SH
660	Pack						12-17-90	DH

SWS TRIGGER PULL TEST

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	³ 2.45	¹ 2.40	² 2.43	¹ 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	¹ 3.25	¹ 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	² 4.27	¹ 4.32		² 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

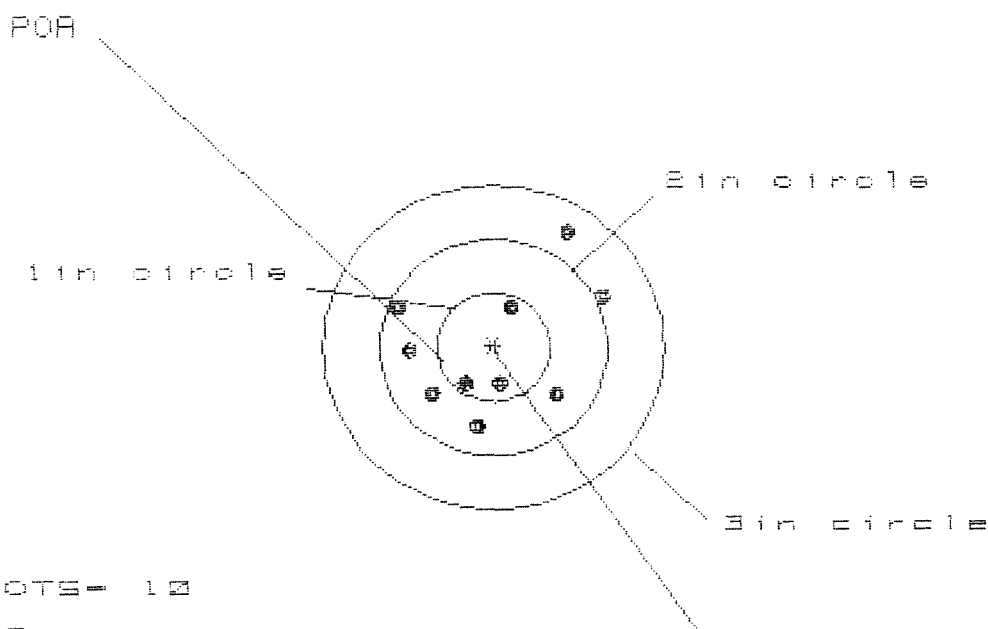
1 $\frac{5}{4}$ <----POB

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: .287745
THE ACP FOR THIS RIFLE IS: .7514

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522146.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS= 1.850

VS= 1.819

GS= 2.016

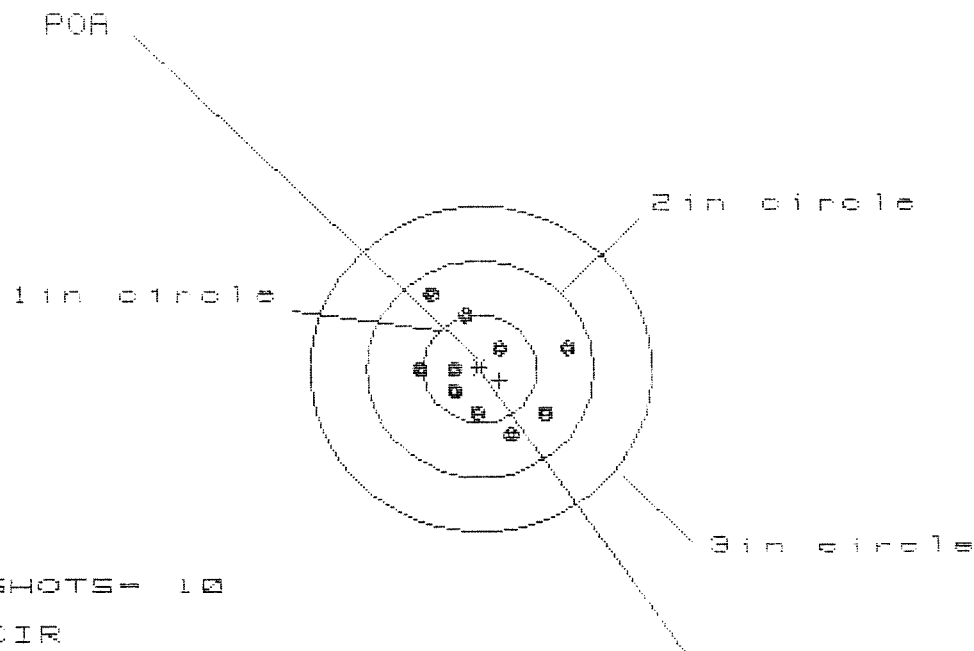
CENTROID *

PATTERN #	:	1		
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
POA 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 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522146.1

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 10

3 in = 10

HS= 1.259

VS= 1.312

GS= 1.487

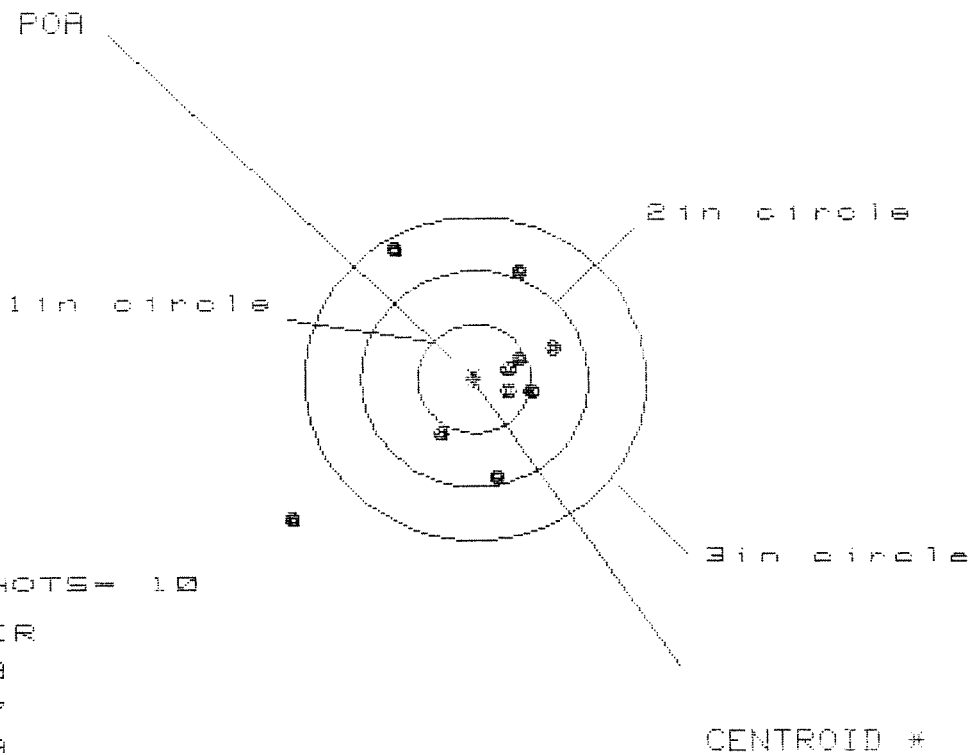
CENTROID *

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	.220
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	

1 Dec 1988

FILE:~PATTERNING/CENTERFIRE_PATT/08522146.1

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

11n = 3

21n = 7

31n = 9

HS= 2.283

VS= 2.552

GS= 3.048

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	-.889
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	.631	.491
MAX RADIUS	:	2.067	1.388	1.016

HORIZONTAL SPREAD :	2.283	1.487	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

FOR

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS = 2.423

VS = 1.801

GS = 2.424

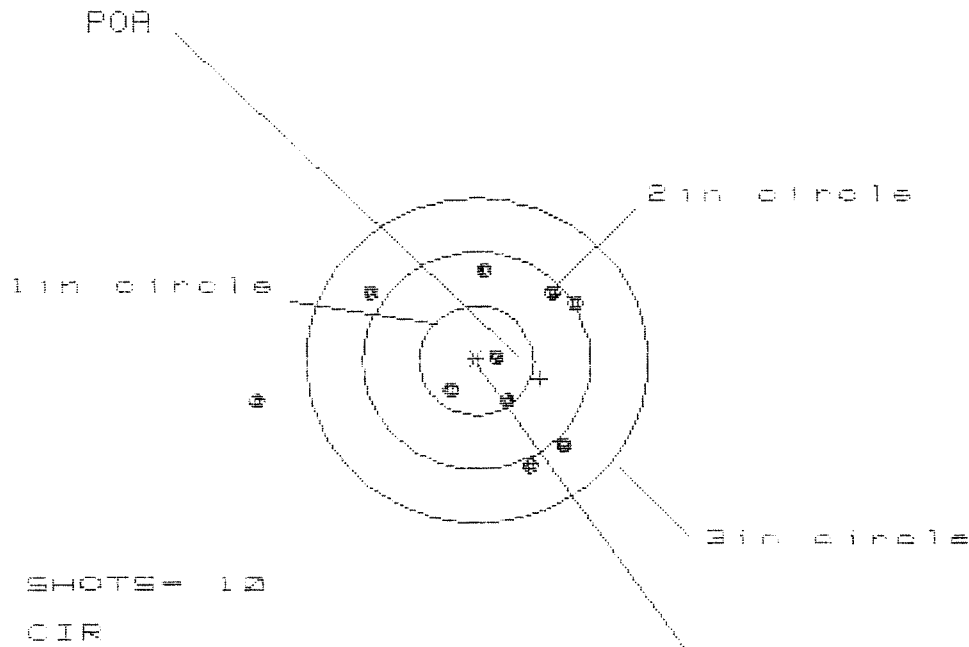
CENTROID *

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	1.259
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 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522146.1

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 2

HS= 2.823

VS= 1.782

GS= 2.948

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.844	.624	.477
MINIMUM X	:	-1.979	-1.180	-.647
MAXIMUM Y	:	.819	.780	.860
MINIMUM Y	:	-.963	-1.002	-.922
CENTROID X	:	-.563	-.343	-.196
CENTROID Y	:	.166	.205	.125
POR TO CENTROID in.	:	.587	.400	.232
MIN RADIUS	:	.191	.040	.185
MEAN RADIUS	:	.902	.736	.659
MAX RADIUS	:	2.009	1.344	.924
HORIZONTAL SPREAD	:	2.823	1.804	1.124
VERTICAL SPREAD	:	1.782	1.782	1.782
EXTREME SPREAD	:	2.948	2.253	1.815
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

$\frac{3.4}{5.2}$ <----POA

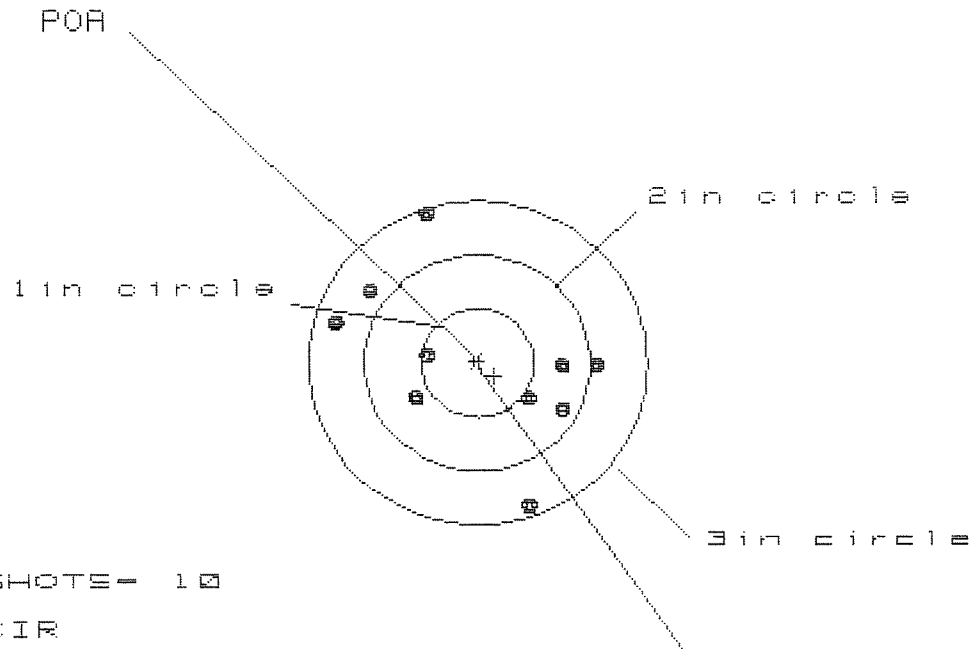
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0486
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0564
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0744508

THE AMR FOR THIS RIFLE IS: .9462

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522146

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 2.314

VS= 2.656

GS= 2.815

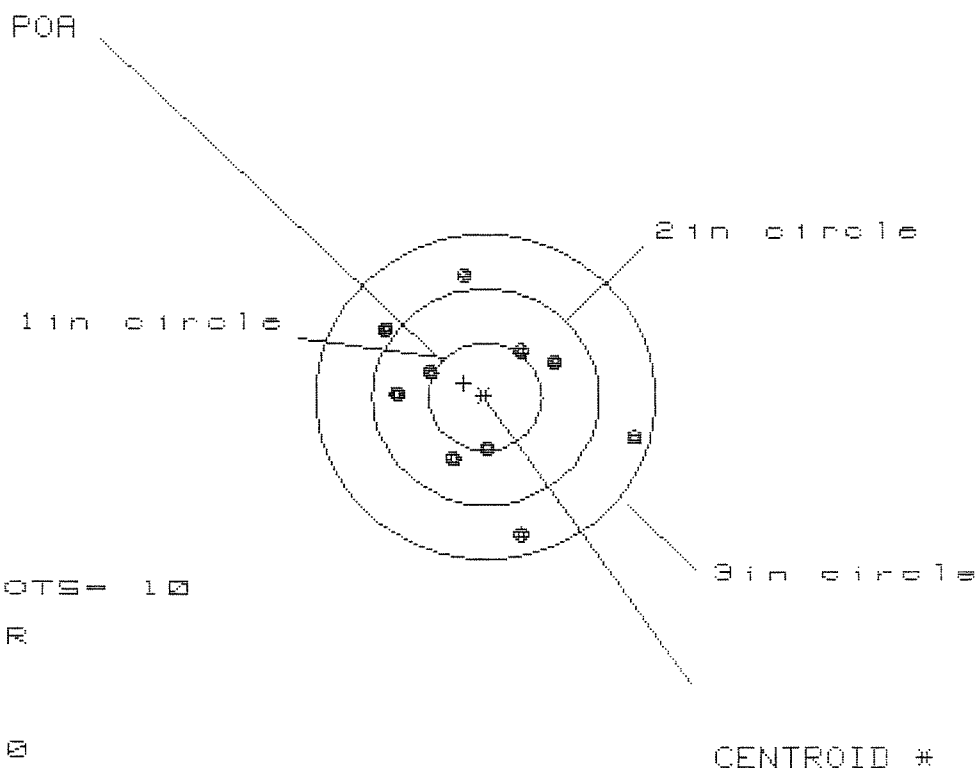
CENTROID #

PATTERN #	:	1	9	8
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
POR 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/C8522146

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 2.191

VS= 2.355

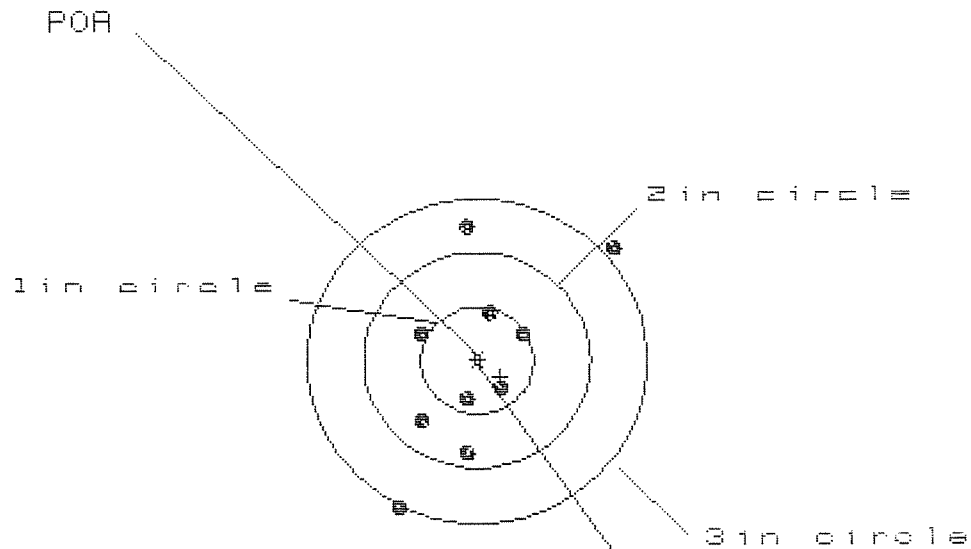
GS= 2.407

PATTERN #	:	2		
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/C6522146

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

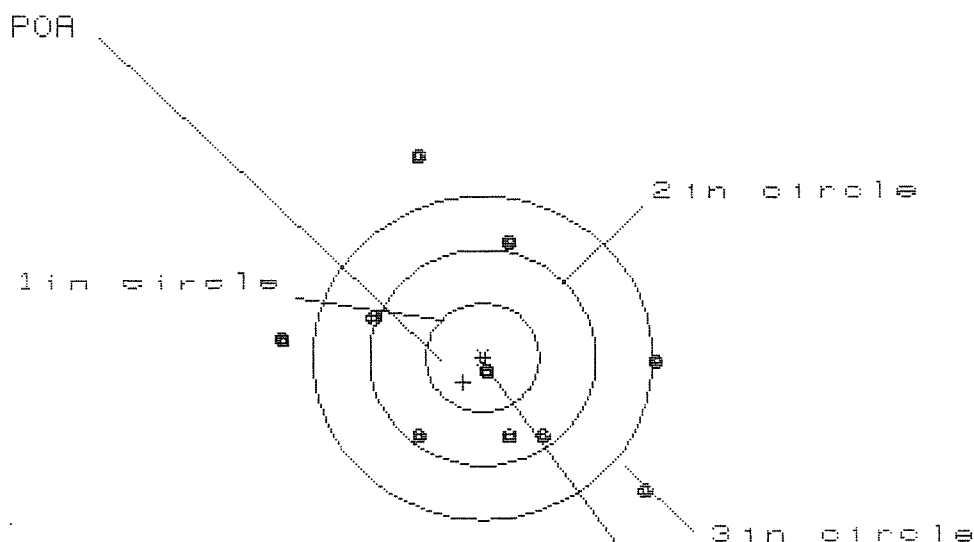
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.155	.489	.424
MINIMUM X	:	-.651	-.523	-.408
MAXIMUM Y	:	1.236	1.358	1.202
MINIMUM Y	:	-1.364	-1.242	-.854
CENTROID X	:	-.205	-.333	-.268
CENTROID Y	:	.154	.032	.188
POA TO CENTROID in.	:	.256	.334	.327
MIN RADIUS	:	.364	.218	.380
MEAN RADIUS	:	.814	.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/C6522146

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS= 3.263

VS= 3.101

GS= 3.703

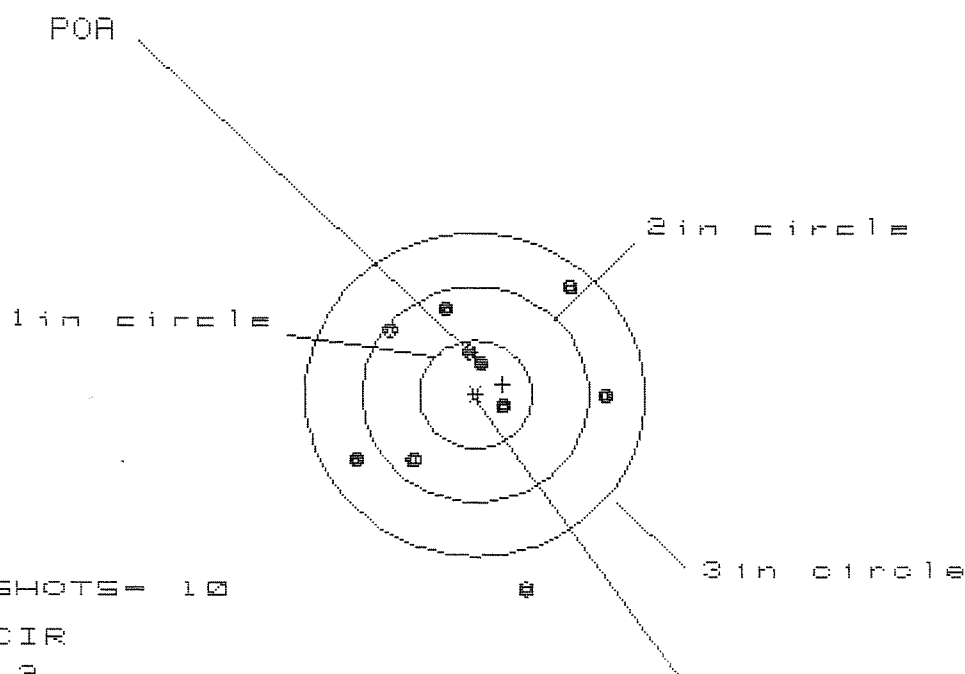
CENTROID #

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/08522146

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 9

HS= 2.199

VS= 2.871

GS= 2.900

CENTROID #

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	