

FORM

UPC



0 47700 25716 7

06665922

BARREL LENGTH
CAPACITY*
*INCLUDES 1 IN CHAMBER

MODEL 700 TM M24

ORDER NO. 5716

Remington		DU PONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700TM M24			SERIAL NO. C6665922
		20	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.			



5716 C6665922

ORDER 5716
MODEL 700TM M24
UPC



0 47700 25716 7

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MODEL 700TM M24
UPC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6665922

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 1 QUALITY AUDIT	91	RW
600	Proof	10 1	91	RW
607	Check Headspace	10 1	91	RW
610	Dis-assemble Gun	1 1	91	RW
612	Magnaflux Barrel Action	DOCT	8 1991	KR
	Magnaflux Bolt	DOCT	8 1991	KR
615	Rollmark Caliber	DOCT	8 1991	GL
617	Drill and Tap Sight Holes	DOCT	8 1991	LB
618	Polish Barrel		10/15/91	WB
620	Apply Coatings (Barrel Action)		11-8-91	HA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/10/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/11/91	RW
	C) Inspect Ejector Hole for Chamfer		11/11/91	RW
	D) Oil Firing Pin Ass'y		11/11/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		12-9-91	RM

op. #	BARBER M24 0104031	READINGS				DATE	INIT
625 cont.	F) Safety On Force	5	5	5		12/9/91	GU
	G) Safety Off Force	4	4	4		12/9/91	GU
	H) Trigger Pull Test & Retainability					12/9/91	GU
	I) Firing Pin Indent	0.022	0.022	0.022		12/9/91	GU
	J) Assemble Stock					12/10/91	RW
	K) Assemble Swivel Studs					12/13/91	GU
	L) Attach Front and Rear Sight Assemblies					12/10/91	RW
	M) Iron Sight Alignment					12/10/91	RW
	N) Detach Front & Rear Sights & place in numbered container					12/10/91	RW
	O) Attach Scope to Rifle					10/10/91	RW
	P) Detach & Attach Scope 20 Times					12/10/91	RW
640	Gallery Target & Test					12/10/91	KT
	A) Time						KT
	B) Malfunctions						KT
	C) Pierced Primers						KT
	D) Optical Clarity of Scope						KT
645	Inspect for Live Ammo					12/10/91	KT
655	Final Inspection						
	A) Headspace					12/13/91	GU
	B) Trigger Pull	2.35	2.51	2.55	2.53	2.48	12/12/91
	C) Function						12-13-91
660	Pack					12-18-91	V

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

SERIAL NO. C-6665922DATE 12-9-91TESTER JK

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.53	2.49	2.35	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.45	2.48	2.51	
PULL #3	2.47	2.42	2.42	2.55	
PULL #4	2.50	2.42	2.44	2.53	
PULL #5	2.42	2.49	2.46	2.48	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.40		
PULL #2	3.39	3.46		
PULL #3	3.44	3.54		
PULL #4	3.51	3.51		
PULL #5	3.55	3.59		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.34		4.27
PULL #2	4.29	4.35		4.31
PULL #3	4.33	4.27		4.23
PULL #4	4.26	4.39		4.27
PULL #5	4.35	4.27		4.20
TOTAL				
AVG.				

STANCE CALCULATIONS
 FILE # 06565922
 OCT 1991

SH DISTANCES

TO	1	.209402
TO	2	.249874
TO	3	.687767
TO	4	.2046
TO	5	.184792

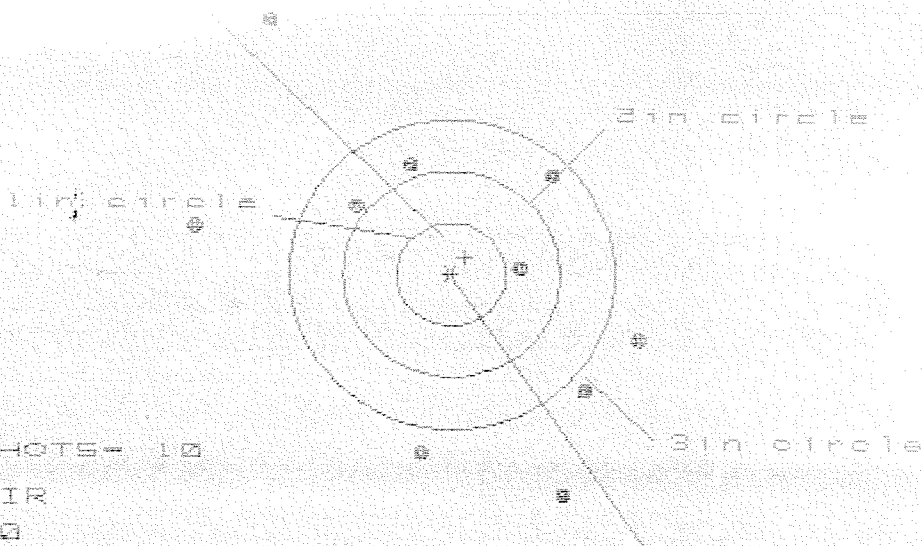
POI

AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1136
 AVERAGE Z-COORDINATE FOR THIS RIFLE IS: -1.1478
 AVERAGE POI RADIUS FOR THIS RIFLE IS: .18486
 IS RIFLE IS: 1.375

19 Dec 1991

FILE: PATTERNING/CENTERFIRE_PATT/C6605922

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 1

3in = 4

HS= 4.096

VS= 4.658

GS= 5.372

CENTROID #

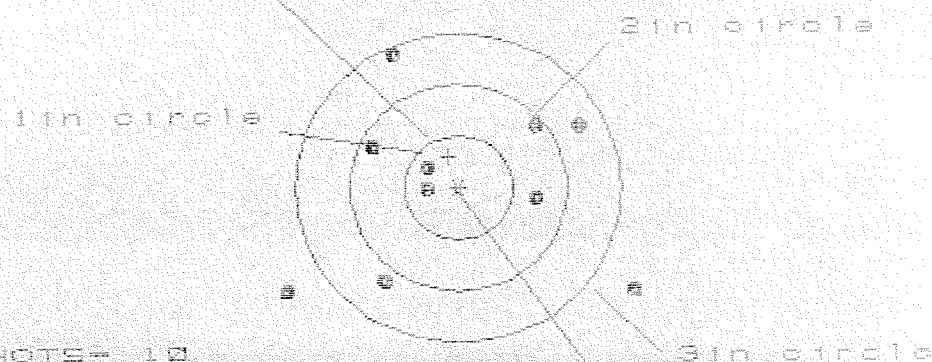
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.756	1.574	1.682
MINIMUM X	-2.340	-2.522	-2.414
MAXIMUM Y	2.493	1.315	1.079
MINIMUM Y	-2.165	-1.888	-1.741
CENTROID X	-1.125	.057	-.051
CENTROID Y	-1.168	-1.445	-.208
FOOT TO CENTROID in.	.209	.448	.215
MIN RADIUS	.594	.547	.531
MOM RADIUS	1.732	1.573	1.487
MAX RADIUS	2.979	2.635	2.471
HORIZONTAL SPREAD	4.096	4.096	4.096
VERTICAL SPREAD	4.658	3.203	2.819
EXTREME SPREAD	5.372	4.302	4.255
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	1	
NUMBER IN THREE INCH CIRCLE	=	4	

18 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6665922

CENTERFIRE PATTERNS # 2

POB



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 3.258

VS= 2.227

GS= 3.258

PATTERN #

2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.631	1.296	1.115
MINIMUM X	-1.627	-1.446	-1.747
MAXIMUM Y	1.253	1.145	1.010
MINIMUM Y	-1.974	-1.078	-1.141
CENTROID X	.089	-.092	.089
CENTROID Y	-.297	-.189	-.054
POB TO CENTROID in.	.310	.210	.104
MIN RADIUS	.261	.149	.318
MEAN RADIUS	1.069	.936	.841
MAX RADIUS	1.899	1.804	1.336
HORIZONTAL SPREAD	3.258	2.742	1.862
VERTICAL SPREAD	2.227	2.223	2.151
EXTREME SPREAD	3.258	3.137	2.321
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

18 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6685922

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 2

3 in = 6

HS= 3.173

VS= 4.475

GS= 5.112

CENTROID *

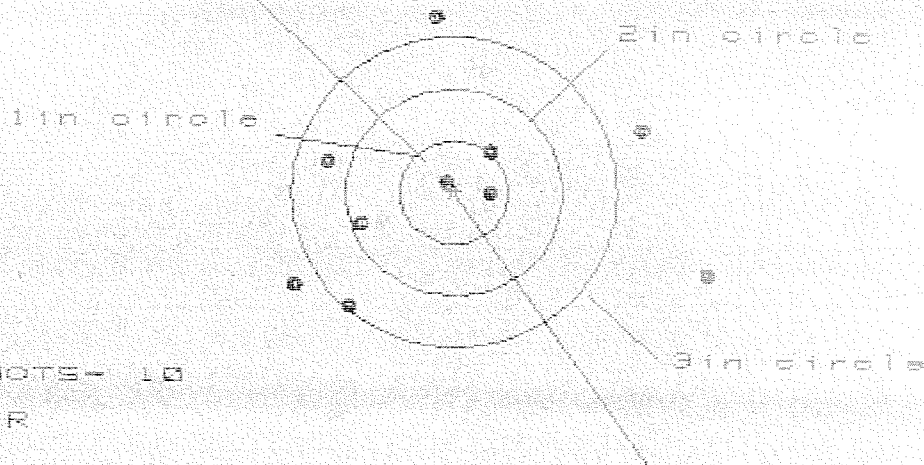
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	2.095
MINIMUM X	-1.078
MAXIMUM Y	2.745
MINIMUM Y	-1.730
CENTROID X	.503
CENTROID Y	.059
POA TO CENTROID in.	.507
MIN RADIUS	.256
MEAN RADIUS	1.534
MAX RADIUS	2.949
HORIZONTAL SPREAD	3.173
VERTICAL SPREAD	4.475
EXTREME SPREAD	5.112
NUMBER IN ONE INCH CIRCLE	2
NUMBER IN TWO INCH CIRCLE	2
NUMBER IN THREE INCH CIRCLE	6

10 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8685922

CENTERFIRE PATTERNS # 4

POA



OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 6

HS = 3.791

VS = 2.714

GS = 3.793

CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.324	2.010	.842
MINIMUM X	-1.467	-1.209	-.958
MAXIMUM Y	1.661	1.573	1.642
MINIMUM Y	-1.053	-1.141	-1.072
CENTROID X	.069	-.189	-.440
CENTROID Y	-.103	-.015	-.084
POA TO CENTROID in.	.124	.189	.448
MIN RADIUS	.125	.188	.447
MEAN RADIUS	1.226	1.076	.948
MAX RADIUS	2.456	2.084	1.683
HORIZONTAL SPREAD	3.791	3.219	1.800
VERTICAL SPREAD	2.714	2.714	2.714
EXTREME SPREAD	3.793	3.580	2.910
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	6		

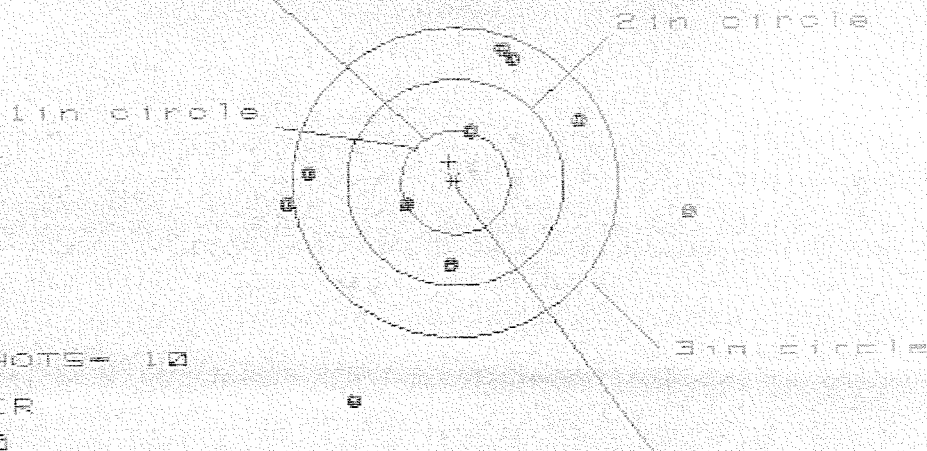
10 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CG665922

CENTERFIRE PATTERNS

5

POA



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 3

3 in = 7

HS= 3.735

VS= 3.348

GS= 3.729

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	2.187
MINIMUM X	-1.539
MAXIMUM Y	1.285
MINIMUM Y	-2.063
CENTROID X	.057
CENTROID Y	-.200
POA TO CENTROID in.	.208
MIN RADIUS	.516
MEAN RADIUS	1.319
MAX RADIUS	2.271
HORIZONTAL SPREAD	3.726
VERTICAL SPREAD	3.348
EXTREME SPREAD	3.729
NUMBER IN ONE INCH CIRCLE	0
NUMBER IN TWO INCH CIRCLE	3
NUMBER IN THREE INCH CIRCLE	7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6665922
11 Dec 1991

CENTROIDAL DISTANCES

0 TO	1	.218717
1 TO	2	.0851469
1 TO	3	.0330606
1 TO	4	.213722
1 TO	5	1.081

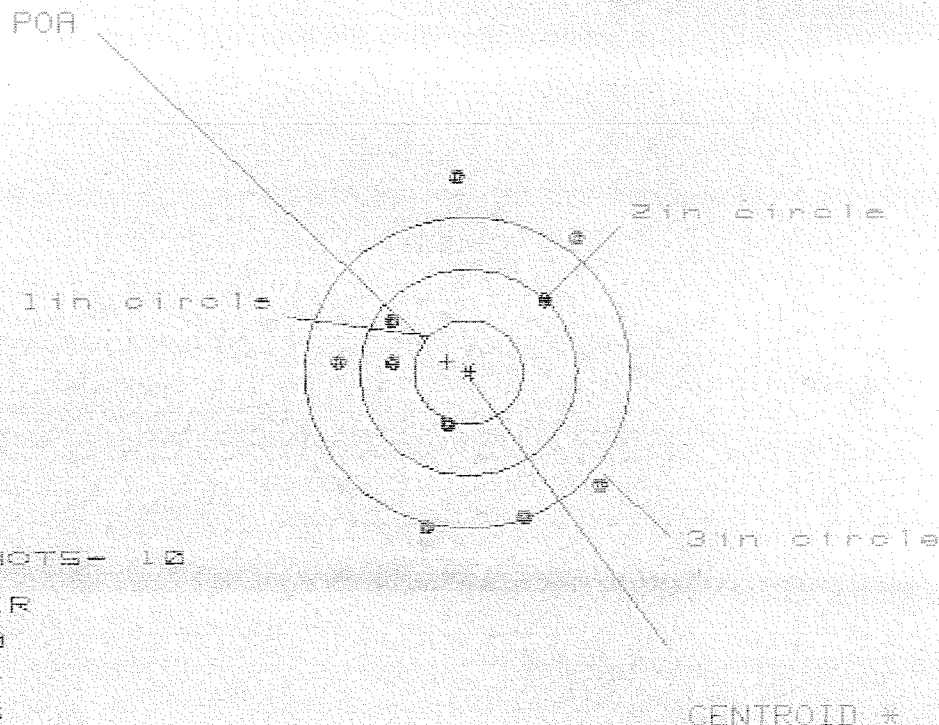
5
4 ←---POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0288
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0912
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0956393
THE AMR FOR THIS RIFLE IS: 1.306

11 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06655922.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 6

HS= 2.353

VS= 3.403

GS= 3.419

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.183

1.174

1.294

MINIMUM X

-1.170

-1.179

-1.059

MAXIMUM Y

1.891

1.509

1.058

MINIMUM Y

-1.512

-1.302

-1.113

CENTROID X

.194

.203

.083

CENTROID Y

-.101

-.311

-.500

POA TO CENTROID in.

.219

.371

.506

MIN RADIUS

.565

.389

.169

MEAN RADIUS

1.237

1.148

1.029

MAX RADIUS

1.892

1.786

1.472

HORIZONTAL SPREAD

2.353

2.353

2.353

VERTICAL SPREAD

3.403

2.811

2.171

EXTREME SPREAD

3.419

3.130

2.637

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

4

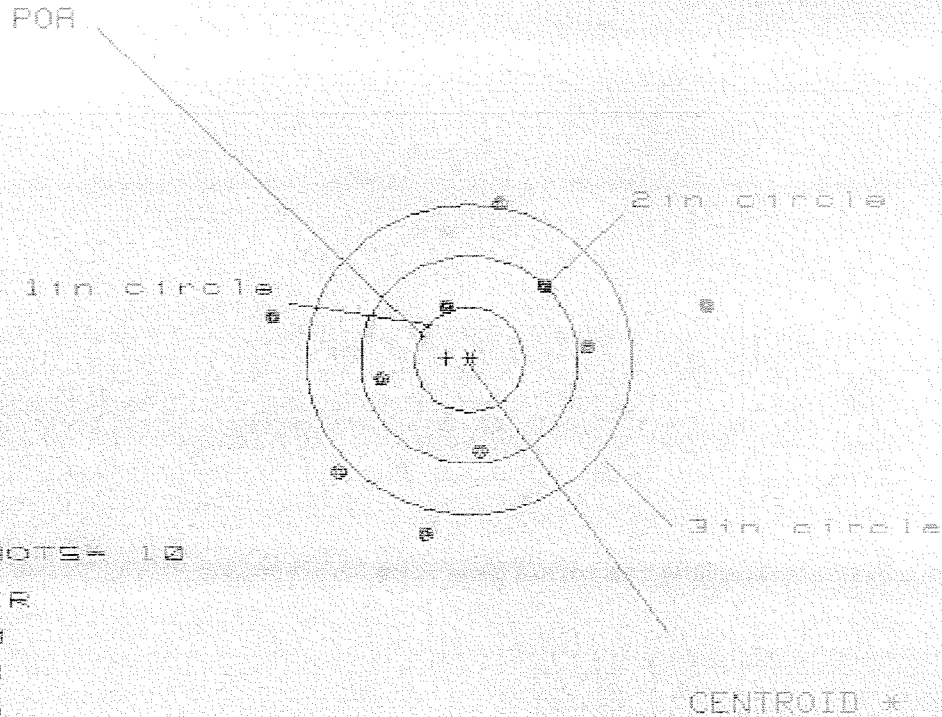
NUMBER IN THREE INCH CIRCLE =

6

11 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6685922.1

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 3

3 in = 5

HS = 3.980

VS = 3.260

GS = 3.982

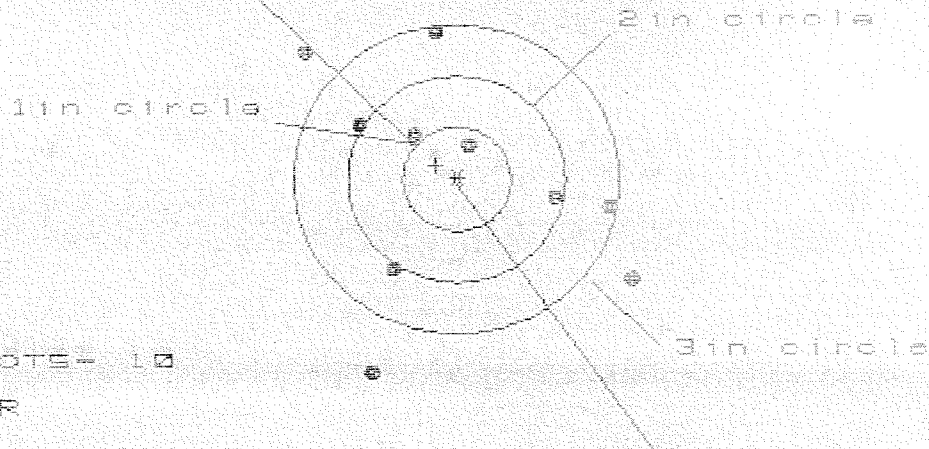
PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.167	1.327	1.130
MINIMUM X	-1.813	-1.572	-1.163
MAXIMUM Y	1.551	1.607	1.663
MINIMUM Y	-1.709	-1.653	-1.597
CENTROID X	.213	-.028	.169
CENTROID Y	-.018	-.074	-.130
POR TO CENTROID in.	.214	.079	.213
MIN RADIUS	.596	.551	.692
MEAN RADIUS	1.345	1.231	1.171
MAX RADIUS	2.225	1.705	1.704
HORIZONTAL SPREAD	3.980	2.899	2.293
VERTICAL SPREAD	3.260	3.260	3.260
EXTREME SPREAD	3.982	3.351	3.351
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		5	

11 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6685922.1

CENTERFIRE PATTERNS # 3

POA



OF SHOTS= 10

IN CIR

1in = 1

2in = 3

3in = 7

HS= 3.012

VS= 3.247

GS= 3.711

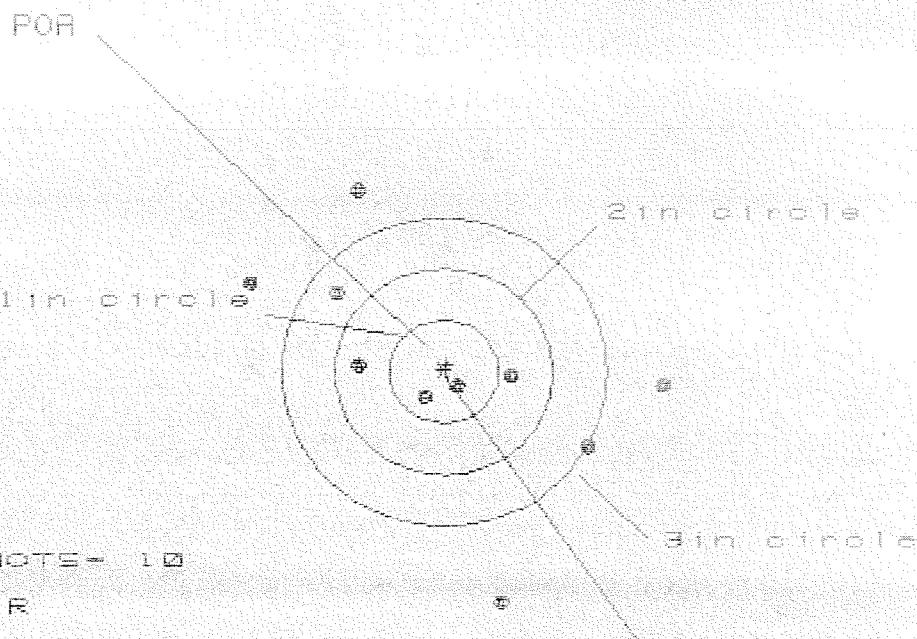
CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.644	1.554	1.559
MINIMUM X	-1.368	-1.458	-1.264
MAXIMUM Y	1.402	1.197	1.057
MINIMUM Y	-1.845	-1.121	-1.234
CENTROID X	.192	.282	.088
CENTROID Y	-.134	.071	.211
POA TO CENTROID in.	.234	.291	.228
MIN RADIUS	.400	.179	.229
MEAN RADIUS	1.267	1.145	1.009
MAX RADIUS	2.016	1.916	1.666
HORIZONTAL SPREAD	3.012	3.012	2.823
VERTICAL SPREAD	3.247	2.318	2.291
EXTREME SPREAD	3.711	3.711	3.195
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

11 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6665322.1

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 6

HS= 3.798

VS= 3.965

GS= 4.160

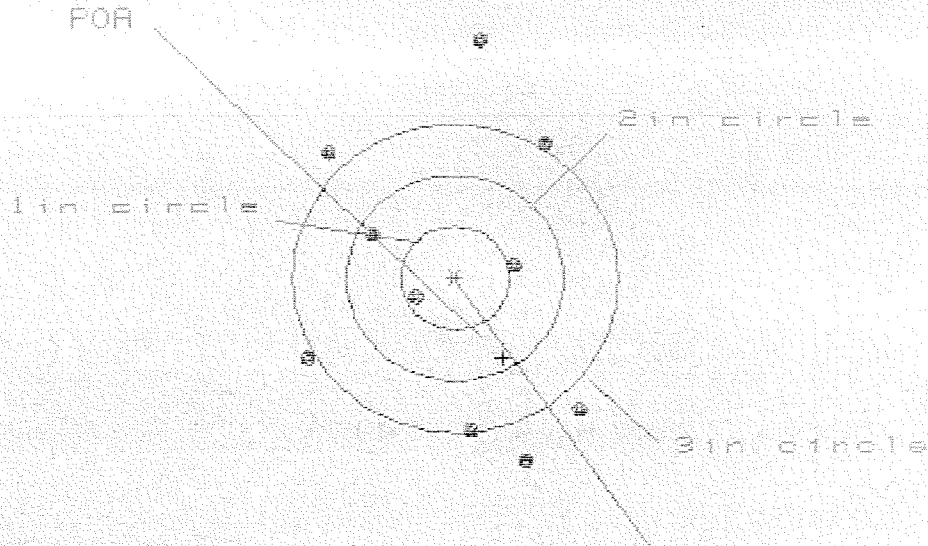
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.004	2.060	1.842
MINIMUM X	:	-1.794	-1.738	-1.103
MAXIMUM Y	:	1.753	1.507	1.590
MINIMUM Y	:	-2.212	-1.008	-.925
CENTROID X	:	-.017	-.073	.145
CENTROID Y	:	-.067	.179	.096
POA TO CENTROID in.	:	.069	.193	.174
MIN RADIUS	:	.205	.452	.348
MEAN RADIUS	:	1.282	1.193	1.091
MAX RADIUS	:	2.269	2.091	1.863
HORIZONTAL SPREAD	:	3.798	3.798	2.945
VERTICAL SPREAD	:	3.965	2.515	2.515
EXTREME SPREAD	:	4.160	3.934	3.331
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

11 Dec 1991

FILE: PATTERNING/CENTERFIRE_PATT/C8865922.1

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 3

3 in = 4

HS= 2.508

VS= 4.088

GS= 4.104

CENTROID *

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.138	1.168	1.250
MINIMUM X	:	-1.370	-1.340	-1.258
MAXIMUM Y	:	2.276	1.597	1.402
MINIMUM Y	:	-1.812	-1.560	-1.414
CENTROID X	:	-.438	-.468	-.550
CENTROID Y	:	.776	.524	.719
POA TO CENTROID in.	:	.891	.702	.905
MIN RADIUS	:	.384	.307	.258
MEAN RADIUS	:	1.398	1.283	1.208
MAX RADIUS	:	2.291	1.837	1.718
HORIZONTAL SPREAD	:	2.508	2.508	2.508
VERTICAL SPREAD	:	4.088	3.157	2.817
EXTREME SPREAD	:	4.104	3.582	3.336
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	4		

CHANGEAD

CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # C6665923
 14 Dec 1991

CENTROIDAL DISTANCES

0 TO 1	.0460435
1 TO 2	.0796492
1 TO 3	.21578
1 TO 4	.101637
1 TO 5	.184564

54 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0742
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0248
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0782348
 THE AMR FOR THIS RIFLE IS: 1.135

14 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08685922.1.1

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 3

2in = 8

3in = 10

HS = 1.666

VS = 2.332

GS = 2.332

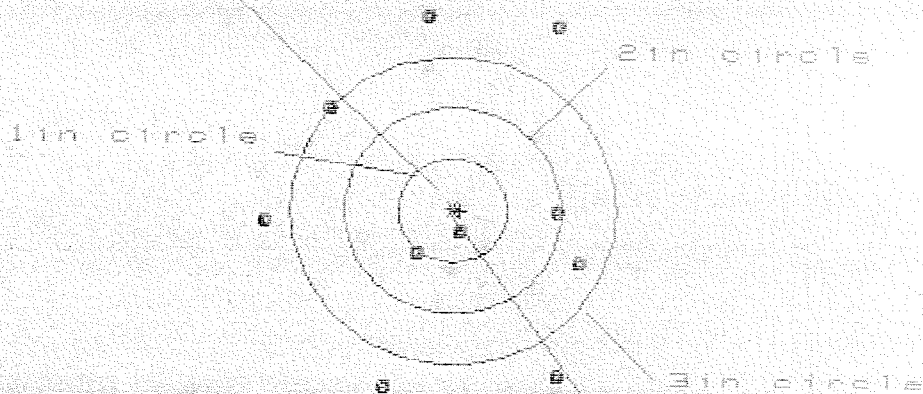
PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.151	1.122	.340
MINIMUM X	-.515	-.544	-.404
MAXIMUM Y	1.370	.879	.883
MINIMUM Y	-.962	-.810	-.800
CENTROID X	-.002	.027	-.113
CENTROID Y	-.046	-.198	-.208
POA TO CENTROID in.	.046	.200	.237
MIN RADIUS	.268	.188	.172
MEAN RADIUS	.732	.640	.566
MAX RADIUS	1.395	1.125	.917
HORIZONTAL SPREAD	1.666	1.666	.744
VERTICAL SPREAD	2.332	1.689	1.689
EXTREME SPREAD	2.332	1.692	1.691
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

14 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8665922.1.1

CENTERFIRE PATTERNS # 2

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 5

HS= 2.843

VS= 3.591

GS= 3.850

CENTROID #

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.141	1.245	1.374
MINIMUM X	-1.702	-1.598	-1.469
MAXIMUM Y	1.854	2.051	1.872
MINIMUM Y	-1.737	-1.540	-1.719
CENTROID X	-.064	-.168	-.297
CENTROID Y	.004	-.193	-.014
POA TO CENTROID in.	.064	.256	.297
MIN RADIUS	.208	.124	.315
MEAN RADIUS	1.384	1.278	1.239
MAX RADIUS	2.009	2.055	1.872
HORIZONTAL SPREAD	2.843	2.843	2.843
VERTICAL SPREAD	3.591	3.591	3.591
EXTREME SPREAD	3.850	3.671	3.615
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	5		

14 Dec 1991

FILE: PATTERNING/CENTERFIRE_PATT/C6685322.1.1

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 0

2in = 3

3in = 7

HS= 2.801

VS= 3.389

GS= 3.492

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.088	1.050	.851
MINIMUM X	-1.713	-1.592	-1.336
MAXIMUM Y	1.560	1.357	1.364
MINIMUM Y	-1.829	-1.085	-1.078
CENTROID X	-.182	-.303	-.103
CENTROID Y	.073	.276	.269
POA TO CENTROID in.	.196	.410	.288
MIN RADIUS	.589	.792	.712
MEAN RADIUS	1.249	1.155	1.083
MAX RADIUS	2.128	1.593	1.391
HORIZONTAL SPREAD	2.801	2.642	2.186
VERTICAL SPREAD	3.389	2.442	2.442
EXTREME SPREAD	3.492	2.806	2.516
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		7	

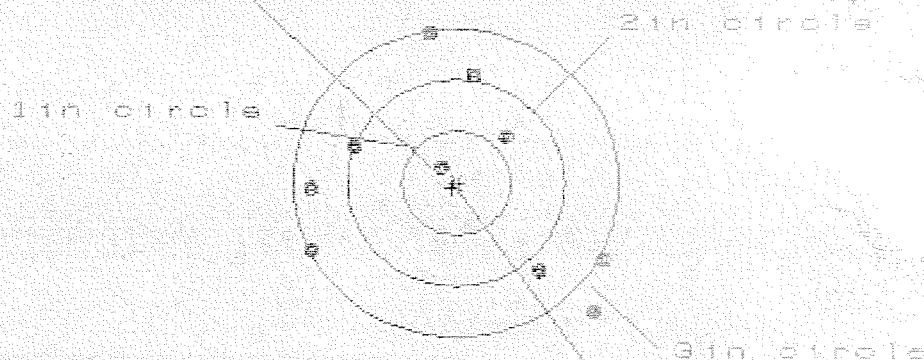
14 Dec 1991

FILE: PATTERNING/CENTERFIRE_PATT/06665922.1.1

CENTERFIRE PATTERNS

4

POA



OF SHOTS= 10

IN CIR

1in = 1

2in = 2

3in = 7

HS= 2.747

VS= 2.710

GS= 3.100

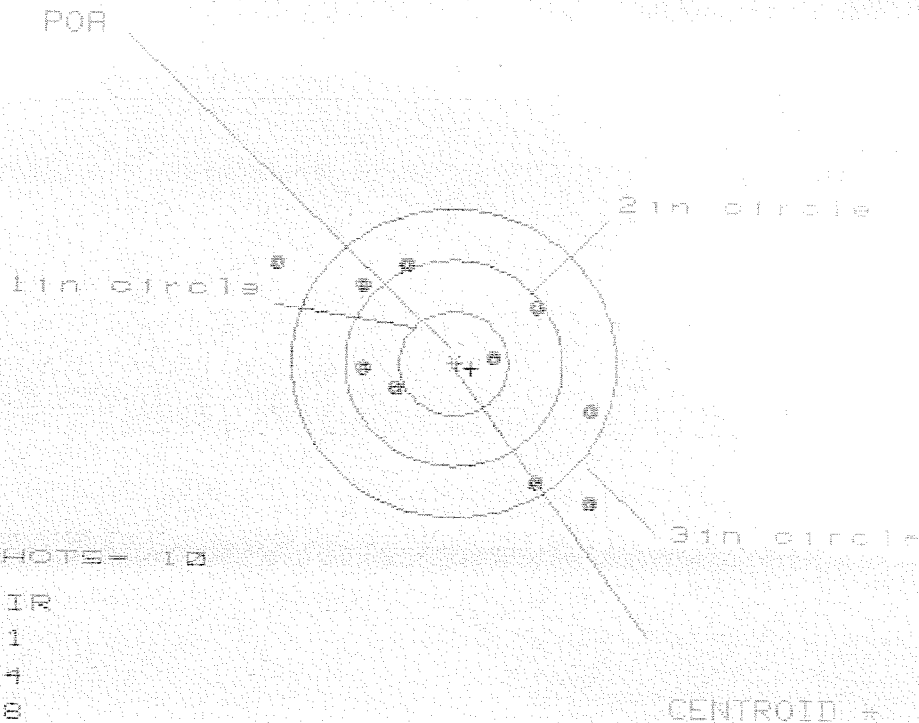
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.367	1.509	1.096
MINIMUM X	-1.390	-1.238	-1.050
MAXIMUM Y	1.460	1.321	1.216
MINIMUM Y	-1.250	-.972	-1.077
CENTROID X	.039	-.103	-.291
CENTROID Y	.047	.166	.290
POA TO CENTROID in.	.061	.212	.411
MIN RADIUS	.170	.048	.257
MEAN RADIUS	1.166	1.061	.973
MAX RADIUS	1.789	1.725	1.537
HORIZONTAL SPREAD	2.747	2.747	2.146
VERTICAL SPREAD	2.710	2.293	2.293
EXTREME SPREAD	3.100	2.760	2.505
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	7		

(14 Dec 1991)

FILE:/PATTERNING/CENTERFIRE_PATT/08685922.1.1

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 2.911

VS= 2.318

GS= 3.721

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.247
MINIMUM X	-1.664
MAXIMUM Y	.985
MINIMUM Y	-1.233
CENTROID X	-.162
CENTROID Y	.046
POA TO CENTROID in.	.168
MIN RADIUS	.396
MEAN RADIUS	1.143
MAX RADIUS	1.934
HORIZONTAL SPREAD	2.911
VERTICAL SPREAD	2.318
EXTREME SPREAD	3.721
NUMBER IN ONE INCH CIRCLE	= 1
NUMBER IN TWO INCH CIRCLE	= 4
NUMBER IN THREE INCH CIRCLE	= 8