

C6498768

3)
0

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

RECEIVING AND ESTIMATING REPORT

R 94-18184

INITIAL
FDCCUSTOMER ORDER NO.
DAAA09-92-C-0834W/10X SCOPE, M-24 SNIPER
ATTN: FRED MARTIN

SCOPE 90-0700

DATE RECEIVED
06/10/94DATE OPENED
06/10/94

DATE CODE

SERIAL NUMBER
C649876B

NEW SERIAL NUMBER

MODEL AND GRADE

700 7-62

NATO

ACCESSORIES
HARD CASE SCOPE MNTS SCOPE BASE

FROM:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTONAL
36201-5025

CUST NO: 098397 C.D.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

FRT

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

BARREL

STOCK ASSY

TRIGGER ASSY

FIRING PIN ASSY

MAG SPRING

Front & Rear Sight ASSY

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

BARBER - M24 M2409007409

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6498768DATE 4-22-96TESTER WAA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.79	2.67	2.82	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.77	2.66	2.77	
PULL #3	2.69	2.68	2.70	
PULL #4	2.74	2.70	2.79	
PULL #5	2.79	2.70	2.84	
TOTAL	13.78	13.41	13.92	
AVG.	2.75	2.68	2.78	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.14	3.15	
PULL #2	3.02	3.18	
PULL #3	3.22	3.15	
PULL #4	3.17	3.13	
PULL #5	3.20	3.13	
TOTAL	15.75	15.74	
AVG.	3.15	3.14	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.01	4.20		4.02
PULL #2	4.18	4.18		4.17
PULL #3	4.13	4.00		4.17
PULL #4	4.18	4.20		4.19
PULL #5	4.17	4.19		4.19
TOTAL	20.67	20.77		20.74
AVG.	4.13	4.15		4.14

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06498768
5 Mar 1900

CENTROIDAL DISTANCES

0 TO	1	.789163
1 TO	2	.43156
1 TO	3	.567318
1 TO	4	.609533
1 TO	5	.393265

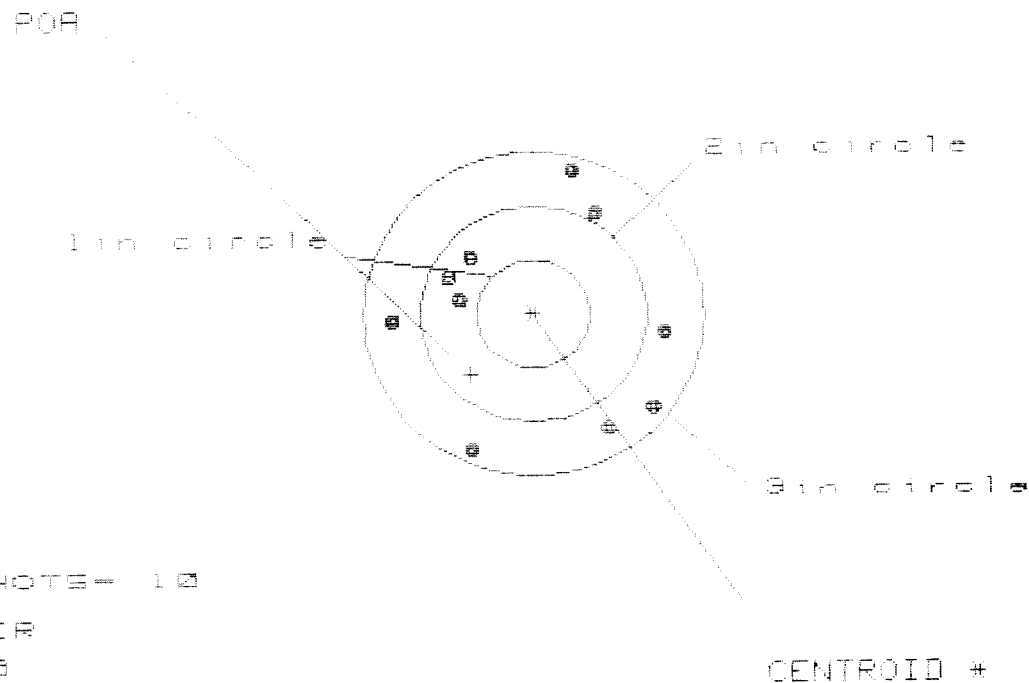
$\frac{42}{+3}$ ----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS:
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS:
THE RESULTING AVERAGE RADIUS FOR THIS RIFLE IS: 446.4
THE AMR FOR THIS RIFLE IS: .961

5 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06438768

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 3

3 in = 10

HS= 2.408

VS= 2.601

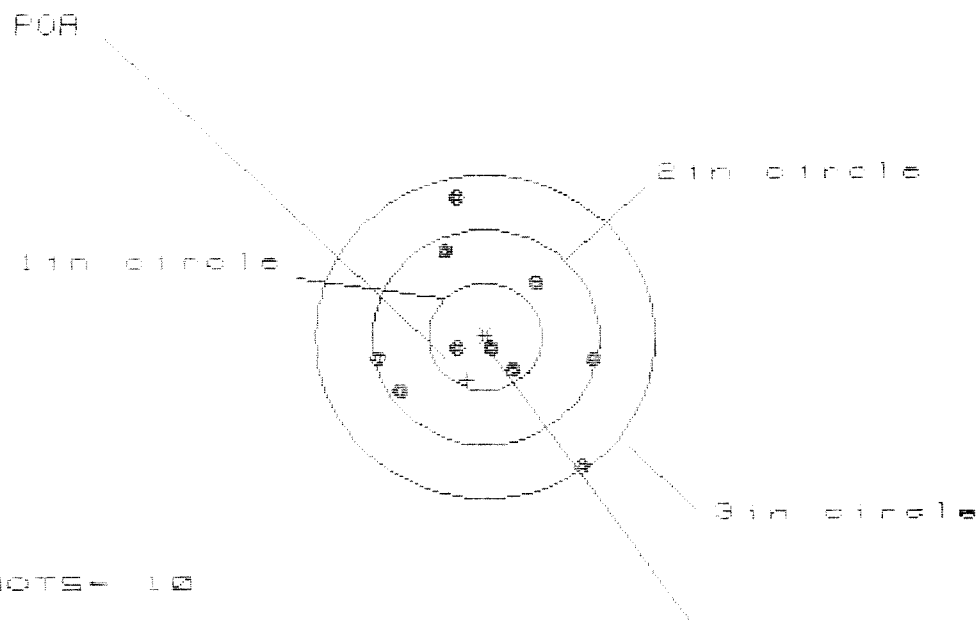
GS= 2.763

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.168	1.207	1.140
MINIMUM X	-1.240	-1.201	-1.268
MAXIMUM Y	1.377	1.083	1.949
MINIMUM Y	-1.224	-1.071	-1.044
CENTROID X	.553	.514	.581
CENTROID Y	.563	.410	.544
POA TO CENTROID in.	.789	.657	.796
MIN RADIUS	.661	.662	.692
MEAN RADIUS	1.109	1.071	1.043
MAX RADIUS	1.422	1.281	1.302
HORIZONTAL SPREAD	2.408	2.408	2.408
VERTICAL SPREAD	2.601	2.154	1.993
EXTREME SPREAD	2.763	2.422	2.422
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	10		

5 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8436768

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.860

VS= 2.426

GS= 2.677

CENTROID #

PATTERN #	2	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.912	1.007	.986
MINIMUM X	-.948	-.853	-.874
MAXIMUM Y	1.255	1.125	.837
MINIMUM Y	-1.171	-.661	-.521
CENTROID X	.153	.058	.079
CENTROID Y	.401	.531	.391
POA TO CENTROID in.	.429	.534	.399
MIN RADIUS	.109	.271	.157
MEAN RADIUS	.783	.721	.636
MAX RADIUS	1.454	1.138	.998
HORIZONTAL SPREAD	1.860	1.860	1.860
VERTICAL SPREAD	2.426	1.786	1.358
EXTREME SPREAD	2.677	1.860	1.860
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

5 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6498768

CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 3.131

VS= 2.083

GS= 3.175

CENTROID #

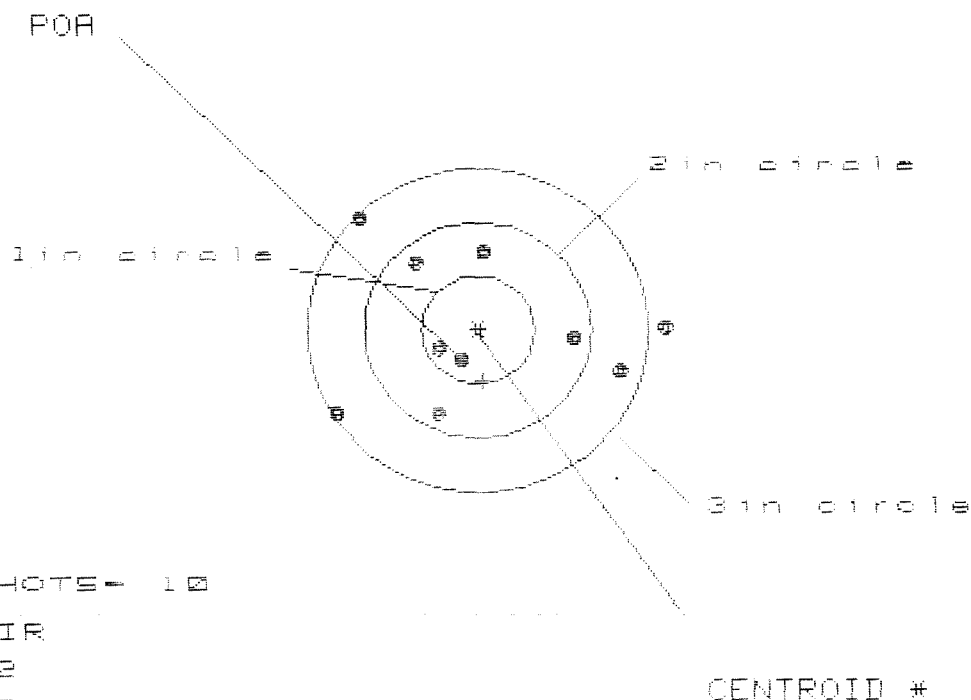
PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.191	.975	1.038
MINIMUM X	-1.941	-1.365	-1.302
MAXIMUM Y	1.197	1.227	.716
MINIMUM Y	-.896	-.866	-.713
CENTROID X	.376	.591	.528
CENTROID Y	.024	-.006	-.159
POA TO CENTROID in.	.376	.591	.552
MIN RADIUS	.318	.237	.085
MEAN RADIUS	.994	.850	.748
MAX RADIUS	1.958	1.392	1.371
HORIZONTAL SPREAD	3.131	2.340	2.340
VERTICAL SPREAD	2.093	2.093	1.429
EXTREME SPREAD	3.175	2.394	2.394
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

5 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6498768

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 2.929

VS= 1.811

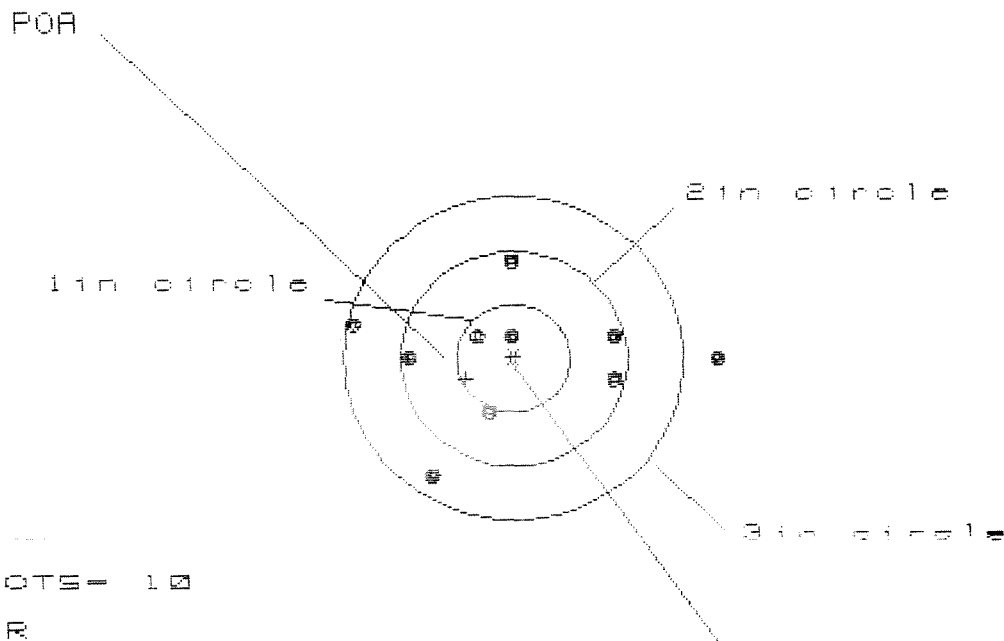
GS= 3.054

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.635	1.422	1.283
MINIMUM X	:	-1.294	-1.113	-.977
MAXIMUM Y	:	1.019	1.027	.929
MINIMUM Y	:	-.792	-.784	-.866
CENTROID X	:	-.050	-.231	-.092
CENTROID Y	:	.474	.466	.564
POA TO CENTROID in.	:	.476	.520	.571
MIN RADIUS	:	.300	.252	.367
MEAN RADIUS	:	.983	.882	.834
MAX RADIUS	:	1.636	1.475	1.373
HORIZONTAL SPREAD	:	2.929	2.535	2.260
VERTICAL SPREAD	:	1.811	1.811	1.795
EXTREME SPREAD	:	3.054	2.667	2.667
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

5 Mar 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C6498768

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 3.200

VS= 2.063

GS= 3.218

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.797	1.117	.967
MINIMUM X	:	-1.403	-1.204	-.898
MAXIMUM Y	:	.922	.921	.963
MINIMUM Y	:	-1.141	-1.142	-1.100
CENTROID X	:	.417	.218	.368
CENTROID Y	:	.194	.195	.153
POA TO CENTROID in.	:	.460	.292	.399
MIN RADIUS	:	.231	.190	.277
MEAN RADIUS	:	.936	.817	.765
MAX RADIUS	:	1.797	1.250	1.268
HORIZONTAL SPREAD	:	3.200	2.321	1.865
VERTICAL SPREAD	:	2.063	2.063	2.063
EXTREME SPREAD	:	3.218	2.377	2.180
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498768

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6 1/2	6 1/2	6 1/2			5/7/96	WB
	G) Safety Off Force	3	3	3			5/7/96	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.0235	.0235	.0235			5/7/96	WB
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	7.62	2.63	7.61	2.65	2.60	5/7/96	WB
	C) Function							
660	Pack							

 		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		SERIAL NO. C6498768
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716



5716 C6498768

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498768

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	5 2 90	RW
600	Proof		5 2 90	RW
607	Check Headspace		5 2 90	RW
610	Dis-assemble Gun		5 2 90	RW
612	Magnaflux Barrel Action		5-8-90	KCR
	Magnaflux Bolt		5-8-90	KCR
615	Rollmark Caliber		5-8-90	CS
617	Drill and Tap Sight Holes		5-9-90	LB
618	Polish Barrel RB		5-10-90	WB
620	Apply Coatings (Barrel Action)		5-16-90	TH
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/18/90	RW
	C) Inspect Ejector Hole for Chamfer		5/18/90	RW
	D) Oil Firing Pin Ass'y		5/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/24/90	RL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/4	4 1/4			5/24/90	WB
	G) Safety Off Force	2	2	2			5/24/90	WB
	H) Trigger Pull Test & Retainability						5/24/90	RL
	I) Firing Pin Indent	.023	.023	.023			5/24/90	WB
	J) Assemble Stock						5/24/90	RW
	K) Assemble Swivel Studs						6-8-90	JD
	L) Attach Front and Rear Sight Assemblies						5/24/90	RW
	M) Iron Sight Alignment						5/24/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/24/90	RW
	O) Attach Scope to Rifle						5/24/90	WB
	P) Detach & Attach Scope 20 Times						5/24/90	WB
640	Gallery Target & Test						5-29-90	DH
	A) Time						5-29-90	DH
	B) Malfunctions						5-29-90	DH
	C) Pierced Primers						5-29-90	DH
	D) Optical Clarity of Scope						5-29-90	DH
645	Inspect for Live Ammo						5-29-90	DH
655	Final Inspection							
	A) Headspace						6-8-90	JD
	B) Trigger Pull	2.50	2.63	2.66	2.58	2.63	6/1/90	WB
	C) Function						6-8-90	JD
660	Pack						6-20-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. 66498768DATE 5/24/90TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.44	2.50	2.90	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.15	2.49	2.89	
PULL #3	2.41	2.21	2.50	2.90	
PULL #4	2.49	2.27	2.51	2.79	
PULL #5	2.29	2.19	2.41	2.83	
TOTAL	12.14	11.26	12.41		
AVG.	2.428	2.252	2.482		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.53		
PULL #2	3.50	3.49		
PULL #3	3.39	3.49		
PULL #4	3.53	3.54		
PULL #5	3.25	3.52		
TOTAL	17.10	17.57		
AVG.	3.42	3.514		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.38	4.51		4.43
PULL #2	4.47	4.51		4.45
PULL #3	4.46	4.56		4.42
PULL #4	4.42	4.39		4.47
PULL #5	4.49	4.39		4.46
TOTAL	22.22	22.36		22.23
AVG.	4.444	4.472		4.446

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06498768
30 May 1990

CENTROIDAL DISTANCES

0 TO	1	.272156
1 TO	2	.478612
1 TO	3	.0443847
1 TO	4	.487378
1 TO	5	.167529

$\frac{3}{4}2$

<----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .04
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .051
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0648151
THE AMR FOR THIS RIFLE IS: .9422

25 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8438768

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

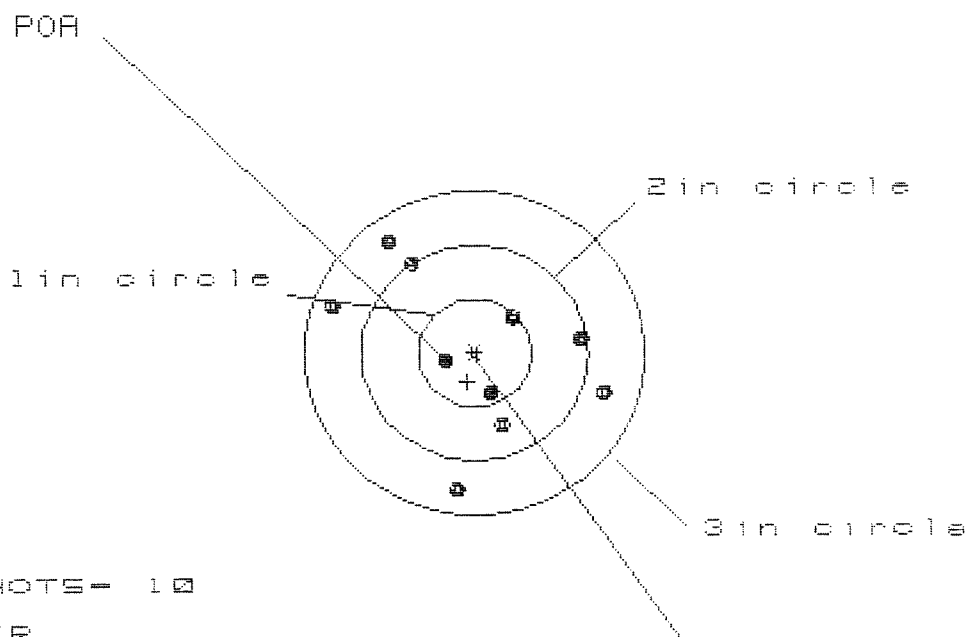
3 in = 10

HS= 2.3885

VS= 2.246

GS= 2.502

CENTROID *



PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.172	1.037	1.005
MINIMUM X	:	-1.214	-.856	-.888
MAXIMUM Y	:	.995	1.043	.893
MINIMUM Y	:	-1.251	-1.203	-.813
CENTROID X	:	.062	.197	.229
CENTROID Y	:	.265	.217	.367
POA TO CENTROID in.	:	.272	.293	.433
MIN RADIUS	:	.285	.288	.314
MEAN RADIUS	:	.888	.827	.778
MAX RADIUS	:	1.290	1.349	1.259
HORIZONTAL SPREAD	:	2.386	1.893	1.893
VERTICAL SPREAD	:	2.246	2.246	1.706
EXTREME SPREAD	:	2.502	2.324	2.303
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

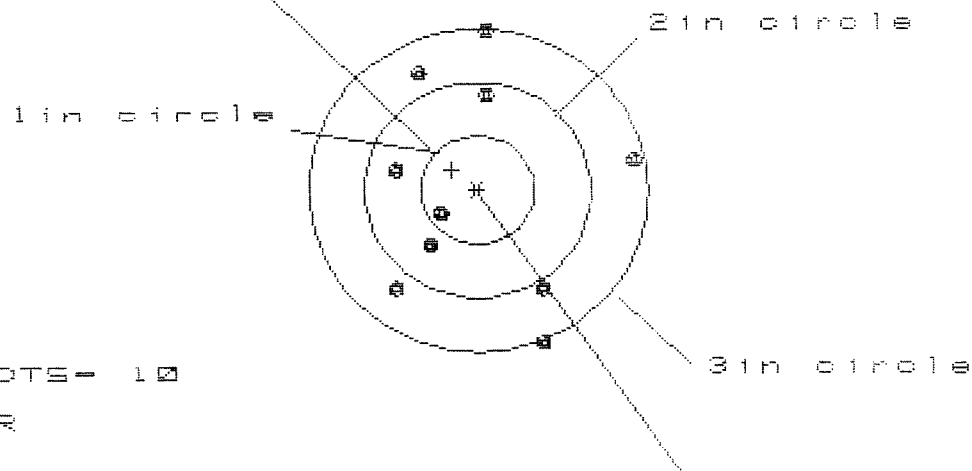
29 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498768

CENTERFIRE PATTERNS

2

POR



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 2.064

VS = 2.895

GS = 2.937

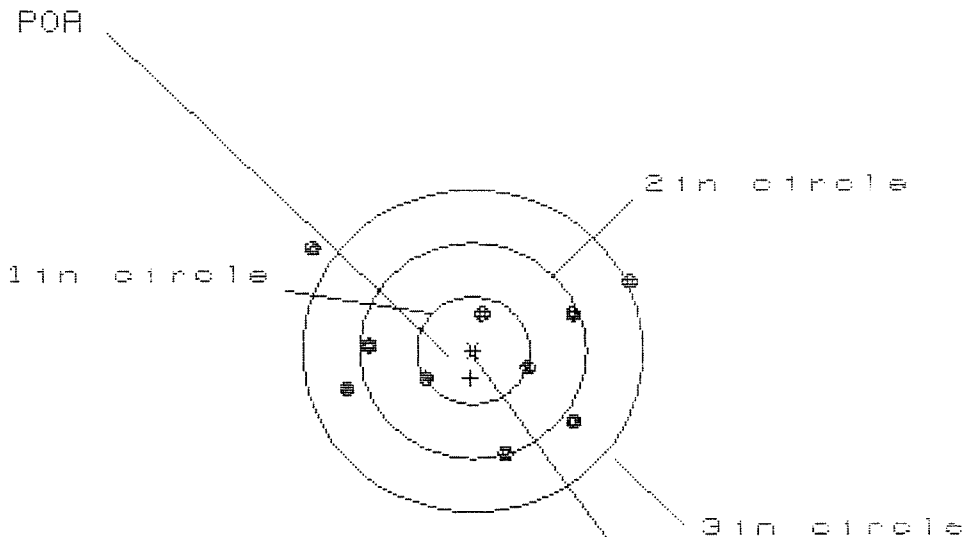
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.333	1.395	1.411
MINIMUM X	:	-.731	-.669	-.653
MAXIMUM Y	:	1.466	1.307	1.093
MINIMUM Y	:	-1.429	-1.099	-.935
CENTROID X	:	.225	.163	.147
CENTROID Y	:	-.185	-.026	-.190
POR TO CENTROID in.	:	.291	.165	.240
MIN RADIUS	:	.394	.461	.329
MEAN RADIUS	:	1.054	.990	.926
MAX RADIUS	:	1.535	1.401	1.440
HORIZONTAL SPREAD	:	2.064	2.064	2.064
VERTICAL SPREAD	:	2.895	2.406	2.028
EXTREME SPREAD	:	2.937	2.528	2.382
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

25 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B768

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 8

HS = 2.777

VS = 1.852

GS = 2.790

CENTROID *

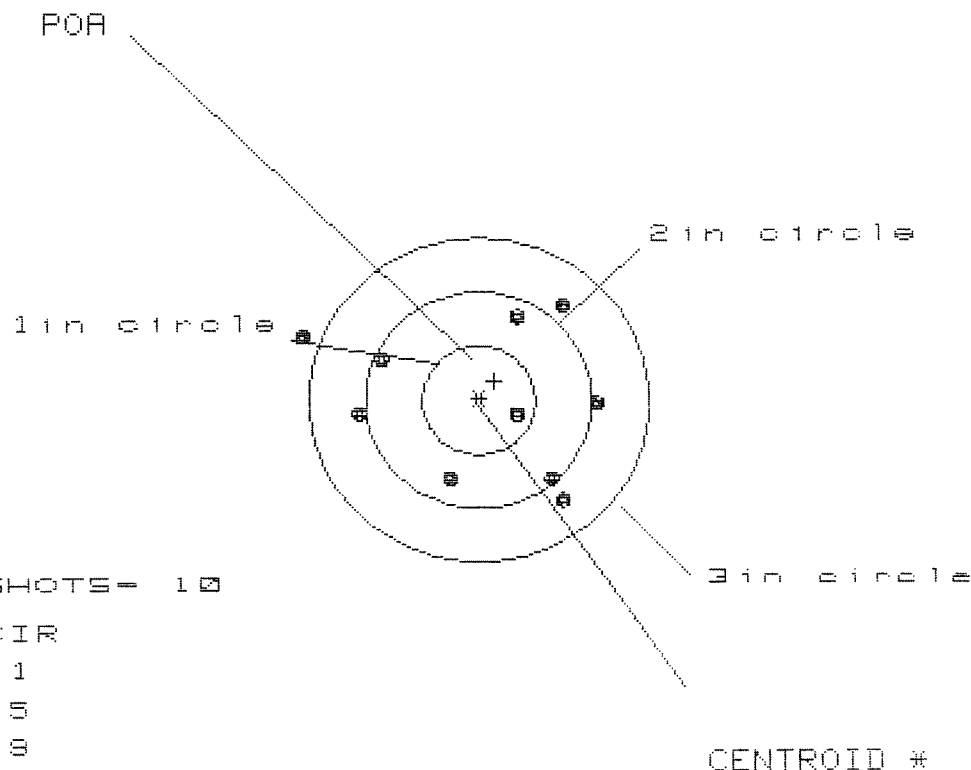
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.378	1.223	.921
MINIMUM X	:	-1.399	-1.296	-1.143
MAXIMUM Y	:	.914	.748	.583
MINIMUM Y	:	-.938	-.836	-.743
CENTROID X	:	.019	.174	.021
CENTROID Y	:	.254	.152	.059
POA TO CENTROID in.	:	.254	.231	.063
MIN RADIUS	:	.395	.286	.437
MEAN RADIUS	:	.978	.881	.809
MAX RADIUS	:	1.671	1.433	1.156
HORIZONTAL SPREAD	:	2.777	2.519	2.064
VERTICAL SPREAD	:	1.852	1.584	1.326
EXTREME SPREAD	:	2.790	2.714	2.163
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

29 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498768

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.587

VS= 1.717

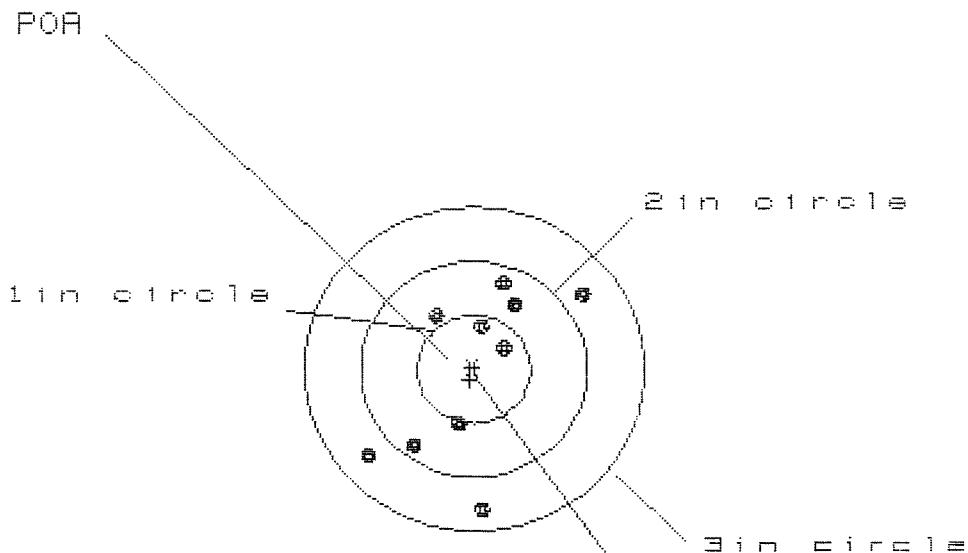
GS= 2.684

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.017	.842	.914
MINIMUM X	:	-1.570	-1.271	-1.199
MAXIMUM Y	:	.837	.900	.945
MINIMUM Y	:	-.880	-.817	-.705
CENTROID X	:	-.139	.036	-.036
CENTROID Y	:	-.179	-.242	-.354
POA TO CENTROID in.	:	.227	.244	.356
MIN RADIUS	:	.398	.214	.289
MEAN RADIUS	:	.992	.879	.853
MAX RADIUS	:	1.669	1.273	1.199
HORIZONTAL SPREAD	:	2.587	2.113	2.113
VERTICAL SPREAD	:	1.717	1.717	1.650
EXTREME SPREAD	:	2.684	2.118	2.118
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

29 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498768

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.870

VS= 2.106

GS= 2.357

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.964	.975	.863
MINIMUM X	:	-.906	-.895	-.677
MAXIMUM Y	:	.835	.694	.579
MINIMUM Y	:	-1.271	-.922	-.949
CENTROID X	:	.033	.022	.134
CENTROID Y	:	.100	.241	.356
POA TO CENTROID in.	:	.105	.242	.380
MIN RADIUS	:	.318	.272	.170
MEAN RADIUS	:	.799	.716	.601
MAX RADIUS	:	1.274	1.285	1.166
HORIZONTAL SPREAD	:	1.870	1.870	1.540
VERTICAL SPREAD	:	2.106	1.616	1.528
EXTREME SPREAD	:	2.357	2.357	2.046
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498768
18 Jun 1990

CENTROIDAL DISTANCES

Ø TO	1	.251794
1 TO	2	.424075
1 TO	3	.569148
1 TO	4	.283623
1 TO	5	.642966

3 ↑⁵ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0176
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0038
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0180056
THE AMR FOR THIS RIFLE IS: .8238

18 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C643B768.1

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 10

HS = 1.868

VS = 2.209

GS = 2.211

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.001	.978	.734
MINIMUM X	:	-.867	-.890	-.767
MAXIMUM Y	:	1.145	.667	.701
MINIMUM Y	:	-1.064	-.936	-.853
CENTROID X	:	.030	.053	-.070
CENTROID Y	:	-.250	-.378	-.461
POA TO CENTROID in.	:	.252	.381	.466
MIN RADIUS	:	.234	.248	.391
MEAN RADIUS	:	.769	.723	.674
MAX RADIUS	:	1.163	1.184	.879
HORIZONTAL SPREAD	:	1.868	1.868	1.501
VERTICAL SPREAD	:	2.209	1.603	1.554
EXTREME SPREAD	:	2.211	2.054	1.711
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

18 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06496768.1

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.904

VS= 1.868

GS= 2.273

CENTROID #

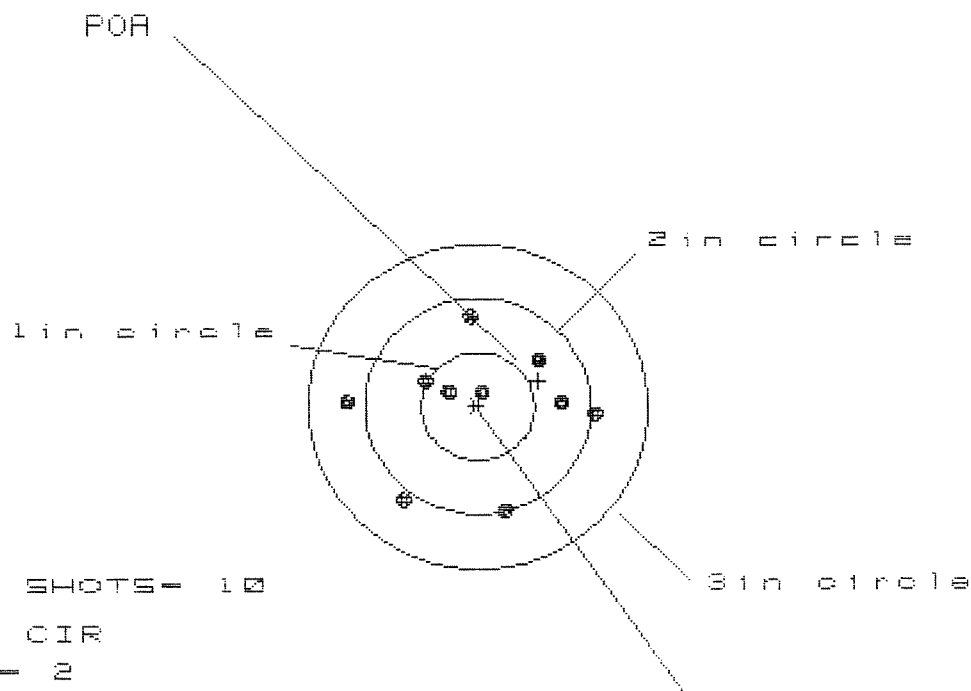
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.858	.949	.892
MINIMUM X	:	-1.046	-.955	-1.012
MAXIMUM Y	:	1.085	1.188	.674
MINIMUM Y	:	-.783	-.680	-.532
CENTROID X	:	.278	.187	.244
CENTROID Y	:	.094	-.009	-.157
POA TO CENTROID in.	:	.293	.187	.290
MIN RADIUS	:	.294	.208	.049
MEAN RADIUS	:	.833	.767	.663
MAX RADIUS	:	1.236	1.274	1.118
HORIZONTAL SPREAD	:	1.904	1.904	1.904
VERTICAL SPREAD	:	1.868	1.868	1.206
EXTREME SPREAD	:	2.273	2.090	2.064
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

18 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498768.1

CENTERFIRE PATTERNS

3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.135

VS= 1.882

GS= 2.137

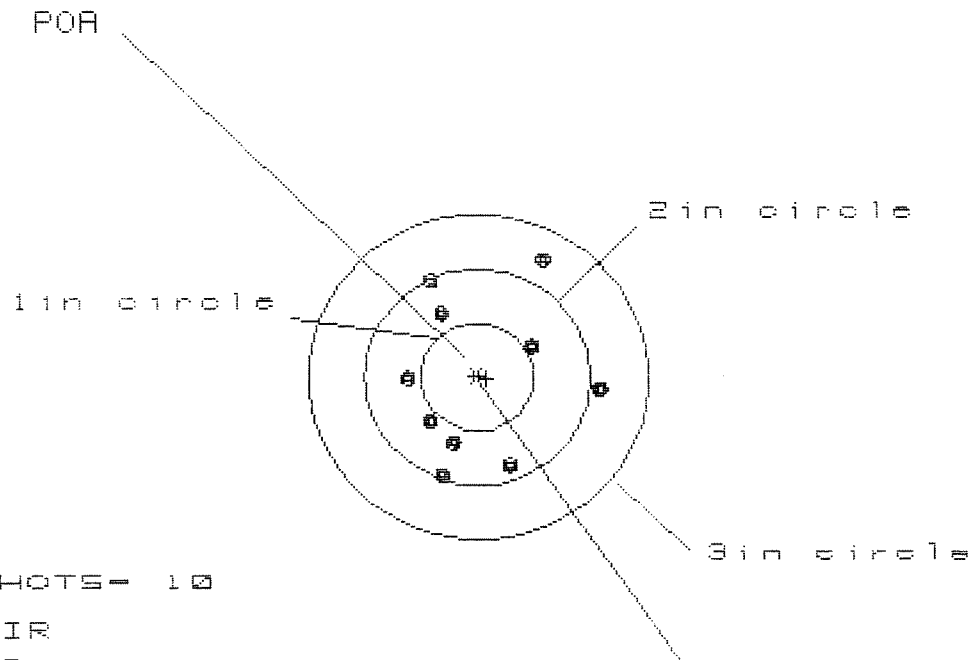
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.005	.879	.778
MINIMUM X	:	-1.130	-.812	-.733
MAXIMUM Y	:	.884	.884	.775
MINIMUM Y	:	-.998	-.998	-1.107
CENTROID X	:	-.539	-.413	-.312
CENTROID Y	:	-.237	-.237	-.128
POA TO CENTROID in.	:	.589	.477	.337
MIN RADIUS	:	.186	.194	.188
MEAN RADIUS	:	.765	.721	.641
MAX RADIUS	:	1.130	1.194	1.107
HORIZONTAL SPREAD	:	2.135	1.691	1.511
VERTICAL SPREAD	:	1.882	1.882	1.882
EXTREME SPREAD	:	2.137	1.896	1.896
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

18 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06498768.1

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 0

2in = 8

3in = 10

HS= 1.669

VS= 1.949

GS= 2.146

CENTROID #

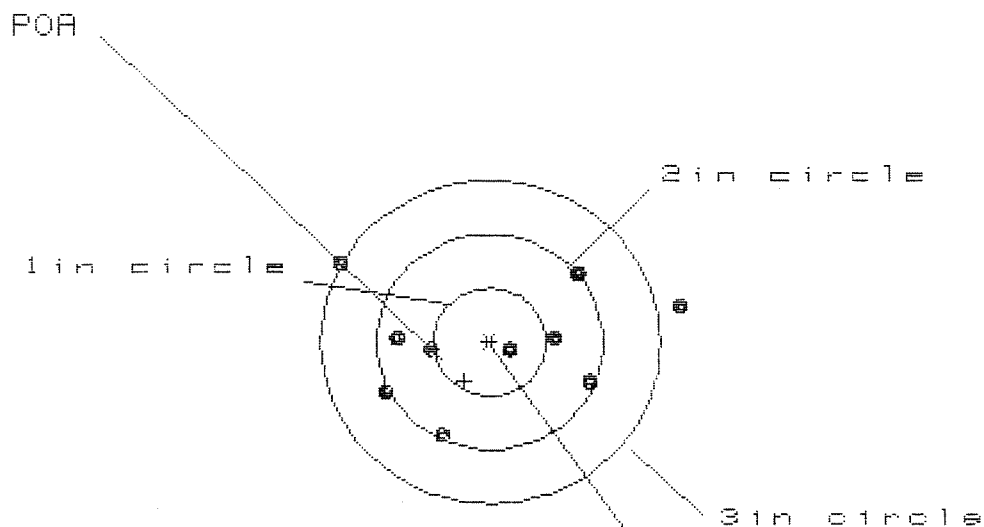
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.051	1.113	.674
MINIMUM X	:	-.618	-.556	-.416
MAXIMUM Y	:	1.079	.982	.979
MINIMUM Y	:	-.870	-.751	-.754
CENTROID X	:	-.081	-.143	-.283
CENTROID Y	:	.011	-.108	-.105
POA TO CENTROID in.	:	.082	.180	.301
MIN RADIUS	:	.556	.439	.340
MEAN RADIUS	:	.814	.748	.679
MAX RADIUS	:	1.216	1.114	1.011
HORIZONTAL SPREAD	:	1.669	1.669	1.090
VERTICAL SPREAD	:	1.949	1.733	1.733
EXTREME SPREAD	:	2.146	1.846	1.846
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

18 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C849B768.1

CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 2.983

VS= 1.589

GS= 3.008

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.675	1.051	.911
MINIMUM X	:	-1.308	-1.122	-.867
MAXIMUM Y	:	.772	.815	.794
MINIMUM Y	:	-.817	-.774	-.672
CENTROID X	:	.224	.038	.178
CENTROID Y	:	.363	.320	.218
POA TO CENTROID in.	:	.426	.322	.281
MIN RADIUS	:	.217	.378	.248
MEAN RADIUS	:	.938	.838	.754
MAX RADIUS	:	1.719	1.387	1.176
HORIZONTAL SPREAD	:	2.983	2.173	1.778
VERTICAL SPREAD	:	1.589	1.589	1.466
EXTREME SPREAD	:	3.008	2.446	2.087
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	