

06225059

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington.

*Still
Speed*

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools ECR Tool Reports Issue Maintenance System Maintenance Help

Repair Number: **RE00022087** Serial: C6225059 Model 700 Center Fire Caliber 7.62 NATO M 24 (SWS) Repairman: Status: Closed 1/31/01 11:45:06 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: TRANS OFFICER, TRANS OFFICER

Address 1: CRP CRP

Address 2: BLDG 5207 PD Box: BLDG 5207 PD Box:

City: FORT CAMPBELL FORT CAMPBELL

State: KY Zip Code: 52223 Country: US State: KY Zip Code: 52223 Country: US

FPL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: Fax: Email: Comments:

Received Condition: Fair Condition Notes: ECR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	1
A010	Hard Case	1
A017	Scope Base	1

Repair Search Refresh Close

maglet 1/31/01 1:39 PM NUM

Start Stop Print Copy Paste Undo Redo Help 1:38 PM

Serial Number: **C6225059**

Model: **700**



RE00022087

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225059
13 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0076
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1492
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .149393

THE AMR FOR THIS RIFLE IS: 1.07

CENTROIDAL DISTANCES

0	TO	1	.0610574
1	TO	2	.337682
1	TO	3	.236002
1	TO	4	.199361
1	TO	5	.298605

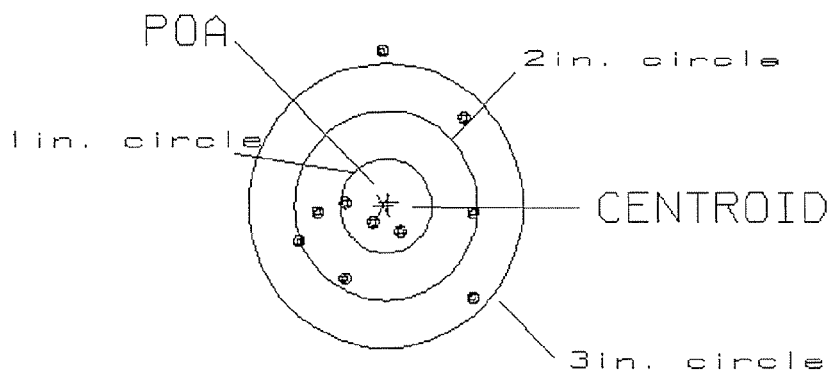
45
+ 2 <----POA

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .061
 MIN RADIUS : .247
 MEAN RADIUS : .885
 MAX RADIUS : 1.623
 CENTROID X : -.052
 CENTROID Y : -.032

13 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225059

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 1.92

3

VS= 2.61

6

GS= 2.79

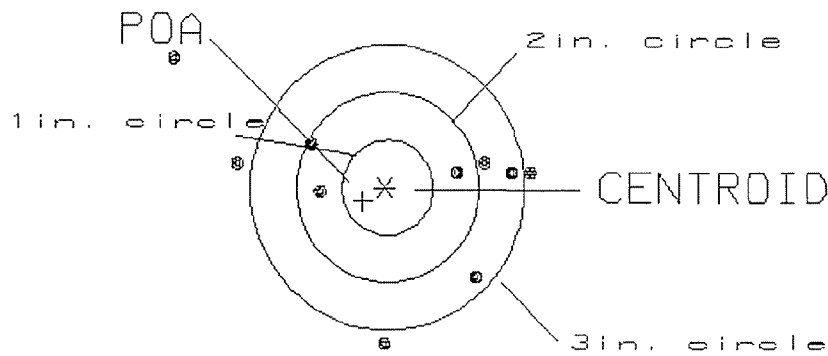
9

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .276
 MIN RADIUS : .761
 MEAN RADIUS : 1.397
 MAX RADIUS : 2.707
 CENTROID X : .238
 CENTROID Y : .141

13 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225059

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.89
 VS= 3.00
 GS= 4.06

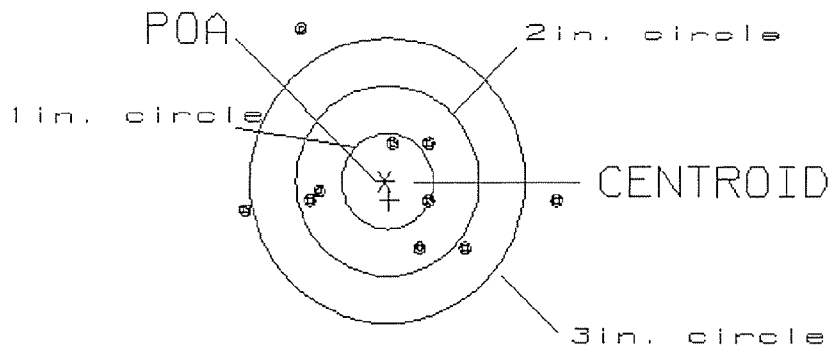
0
 3
 6

PATTERN #: 3
 POA TO CENTROID: .210
 MIN RADIUS : .397
 MEAN RADIUS : 1.038
 MAX RADIUS : 1.879
 CENTROID X : -.051
 CENTROID Y : .204

13 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225059

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.39
 VS= 2.36
 GS= 3.39

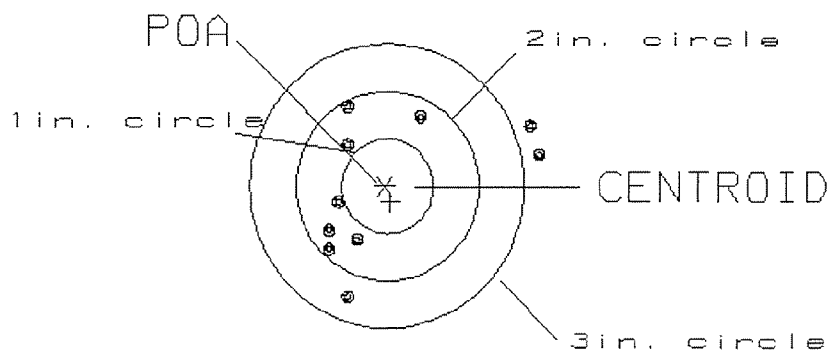
1
 6
 7

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .178
 MIN RADIUS : .550
 MEAN RADIUS : .987
 MAX RADIUS : 1.666
 CENTROID X : -.064
 CENTROID Y : .167

13 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225059

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.28
 VS= 2.03
 GS= 2.66

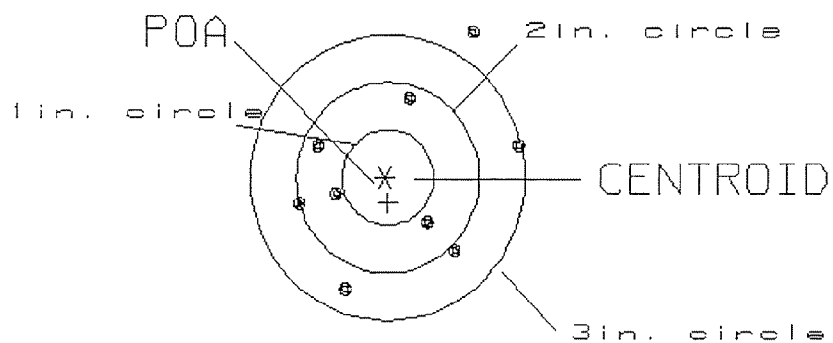
0
 7
 8

PATTERN #: 5
 POA TO CENTROID: .268
 MIN RADIUS : .572
 MEAN RADIUS : 1.045
 MAX RADIUS : 1.773
 CENTROID X : -.033
 CENTROID Y : .266

13 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225059

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.47
 VS= 2.70
 GS= 3.03

0
 5
 8

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER <u>22087</u>			
SERIAL NUMBER <u>C-6225059</u>			
LOG-IN DATE <u>1-31-01</u>			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-2-01	CK
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	2-12-01	CK
605	CHECK HEADSPACE	2-12-01	CK
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	3-13-01	CK
655	FINAL INSPECT	3-15-01	CK
660	PACK		
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

Sn: C-6225059

DATE REC'D: 1-31-07

DATE RET'D:

Auditor: CK

Item:

Barrel Assy.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

Scope Assy.

☐ Scope☐ Scope Rings☐ Mounting Screws☐ Mounting Base☐ Screws☐ Finish☐ Looseness☐ Clarity

Misc.

☐ DD-250☐ BAR CODE☐ PACKAGING

Item:

Stock Assy.

☒ Stock☒ Sling Swivel Studs☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

Systems Case

☐ Scope Case☐ IRON SIGHTS☐ Deployment Kit

Trigger

☒ SAFETY OPERATION☒ SET

Comments: _____

Remington
REG. U.S. PAT. & TM. OFF.



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

SERIAL NO.
06225059

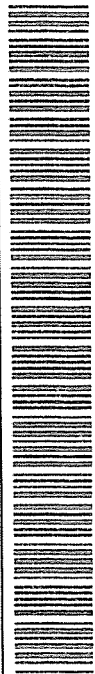
ORDER NO.

5716

MODEL 700™ M24

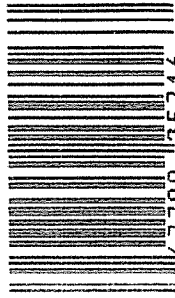
20

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



5716 06225059

LIPC



0 47700 25716 7

SCOPE 0491

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225059

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	8	9/88	FB
600	Proof	9	7/88	RW
607	Check Headspace	9	7/88	RW
610	Dis-assemble gun	9	7/88	RW
612	Magnaflux Barrel Action		9-14-88	RFL
	Magnaflux Bolt		9-14-88	RFL
615	Rollmark Caliber		9-15/88	G.S
617	Drill & Tap Sight Holes		10/23	FB
618	Polish Barrel		10/24	WST
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coatings (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		1/11/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/11/89	RW
	C) Inspect Ejector Hole for Chamfer		1/11/89	RW

OVER

OP.#		READINGS	DATE	INITIAL
625	D) Oil Firing Pin Ass'y		1/11/89	RW
cont.	E) Adjust Trigger Pull to Min. Setting and Stake		9 Jan 89	JS
	F) Safety on Force	6 : 5 : 5	11 Jan 89	JS
	G) Safety off Force	3 : 3 : 3	11 Jan 89	JS
	H) Trigger Pull Test & Retainability		9 Jan 89	JS
	I) Firing Pin Indent	.0215 : .0215 : .021	11 Jan 89	JS
	J) Assemble Stock		1/11/89	RW
	K) Attach Front & Rear Sight Assemblies		1/11/89	RW
	L) Iron Sight Alignment		1/11/89	RW
	M) Detach Front & Rear Sights & place in numbered container		1/11/89	RW
	N) Attach Scope to Rifle		17 Jan 89	JS
	O) Detach & Attach Scope 20 times		17 Jan 89	JS
640	Gallery Target & Test	46 R 109 L	1/23/89	AC
	A) Optical Clarity of Scope	OK	1/23/89	AC
645	Inspect for Live Ammo	NONE	1/23/89	AC
655	Final Inspection			
	A) Headspace		31 Jan 89	JS
	B) Trigger Pull	2.43 : 2.46 : 2.48	2.42 : 2.42	JS
	C) Function		31 Jan 89	JS
	D) Assemble Swivel Studs		31 Jan 89	JS
660	Pack		23 Mar 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 5059

DATE 4-5-90

TESTER JZ

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.59	2.48	2.42	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.54	2.52	2.39	
PULL #3	2.55	2.54	2.47	
PULL #4	2.52	2.50	2.41	
PULL #5	2.42	2.46	2.44	
TOTAL	12.62	12.50	12.13	
AVG.	2.524	2.5	2.426	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.50	3.64	
PULL #2	3.52	3.47	
PULL #3	3.49	3.48	
PULL #4	3.52	3.45	
PULL #5	3.62	3.47	
TOTAL	17.65	17.51	
AVG.	3.53	3.502	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.16	4.20		
PULL #2	4.00	4.28		
PULL #3	4.32	4.22		
PULL #4	4.20	4.25		
PULL #5	4.24	4.19		
TOTAL	20.92	21.14		
AVG.	4.184	4.228		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225059
26 Jan 1989

CENTROIDAL DISTANCES

0 TO	1	1.19417
1 TO	2	.721601
1 TO	3	1.12437
1 TO	4	1.1167
1 TO	5	.999622

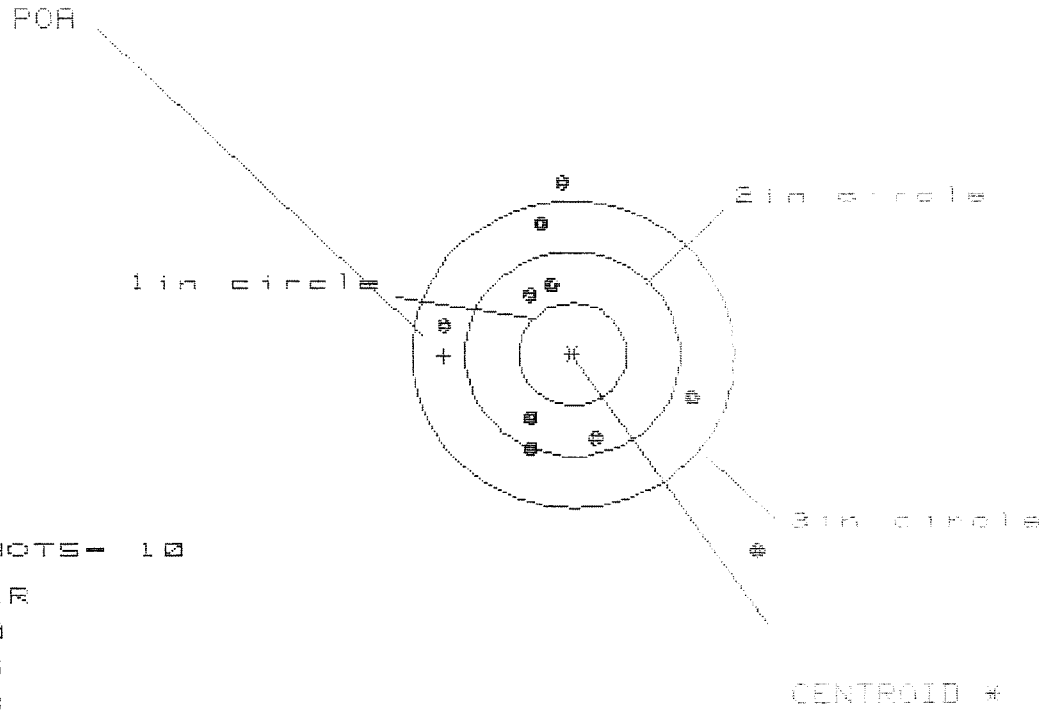
$\frac{1}{5} \sum_{i=1}^5 x_i = \text{POA}$

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4762
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.212
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .521259
THE AMR FOR THIS RIFLE IS: .9884

25 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225059

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS = 2.839

VS = 3.606

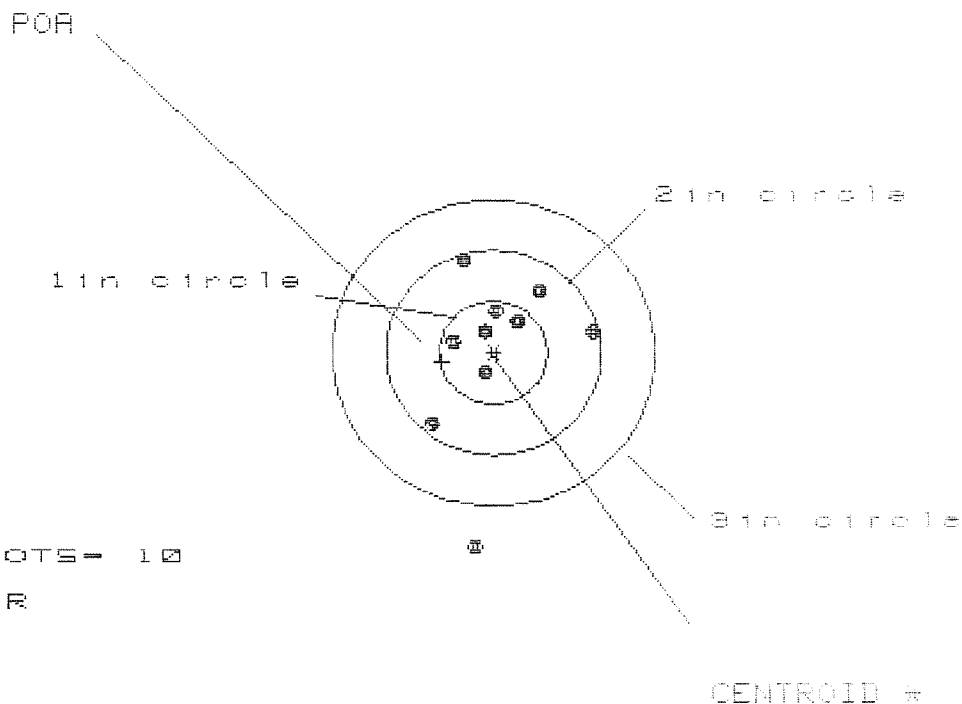
GS = 4.034

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.683	1.268	1.268
MINIMUM X	-1.156	-0.969	-0.961
MAXIMUM Y	1.715	1.505	1.245
MINIMUM Y	-1.891	-1.124	-0.936
CENTROID X	1.194	1.007	.999
CENTROID Y	.020	.230	.042
POA TO CENTROID in.	1.194	1.033	1.000
MIN RADIUS	.711	.433	.599
MEAN RADIUS	1.187	.992	.924
MAX RADIUS	2.531	1.506	1.333
HORIZONTAL SPREAD	2.839	2.229	2.229
VERTICAL SPREAD	3.606	2.629	2.181
EXTREME SPREAD	4.034	2.639	2.330
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

25 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225059

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 5

2in = 9

3in = 9

HS= 1.501

VS= 2.825

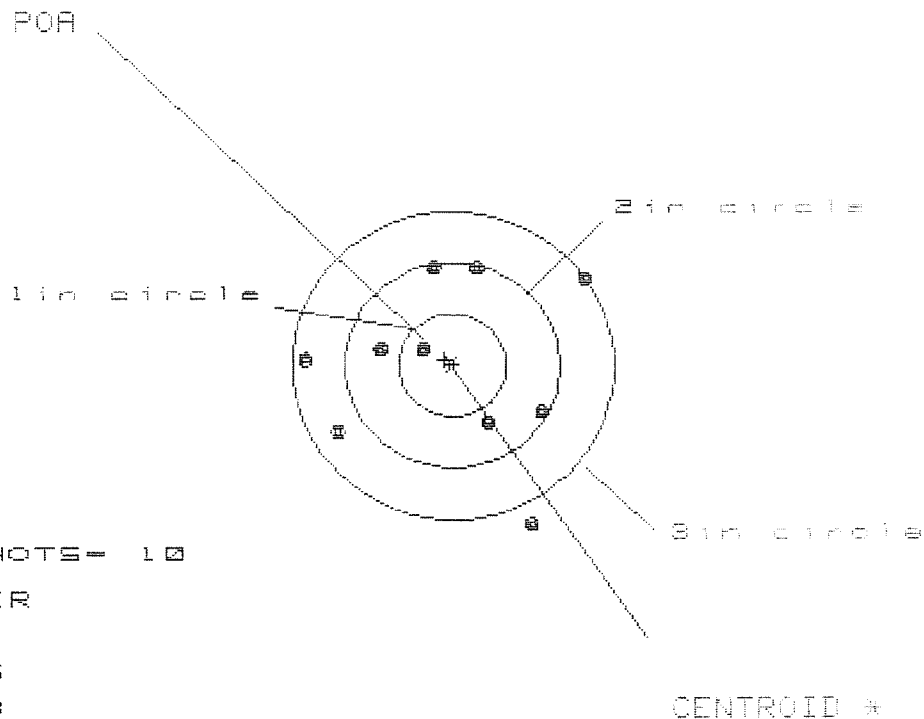
GS= 2.826

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.929	.909	.873
MINIMUM X	:	-.572	-.592	-.628
MAXIMUM Y	:	.905	.692	.497
MINIMUM Y	:	-1.920	-.947	-.861
CENTROID X	:	.476	.496	.532
CENTROID Y	:	.092	.305	.219
POA TO CENTROID in.	:	.485	.582	.575
MIN RADIUS	:	.213	.062	.134
MEAN RADIUS	:	.716	.519	.505
MAX RADIUS	:	1.928	1.117	1.065
HORIZONTAL SPREAD	:	1.501	1.501	1.501
VERTICAL SPREAD	:	2.825	1.639	1.358
EXTREME SPREAD	:	2.826	1.749	1.749
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	

25 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225059

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.587

VS= 2.508

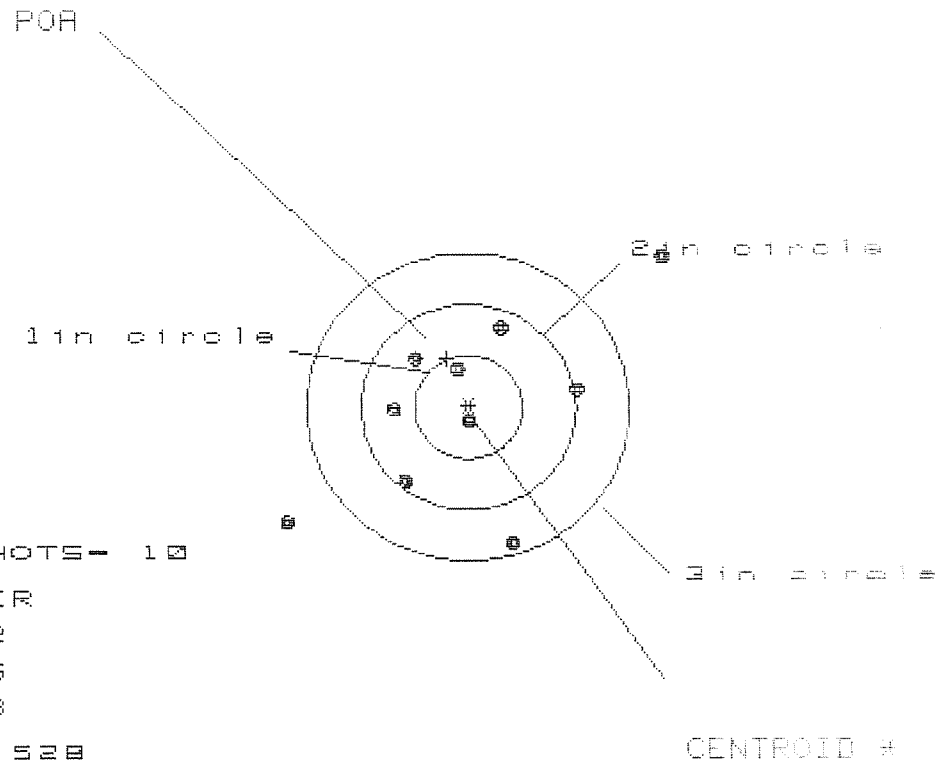
GS= 2.729

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.246
MINIMUM X	-1.341
MAXIMUM Y	.969
MINIMUM Y	-1.539
CENTROID X	.072
CENTROID Y	-.053
POA TO CENTROID in.	.089
MIN RADIUS	.285
MEAN RADIUS	1.025
MAX RADIUS	1.687
HORIZONTAL SPREAD	2.587
VERTICAL SPREAD	2.508
EXTREME SPREAD	2.729
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8

25 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225059

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 8

HS = 3.528

VS = 2.822

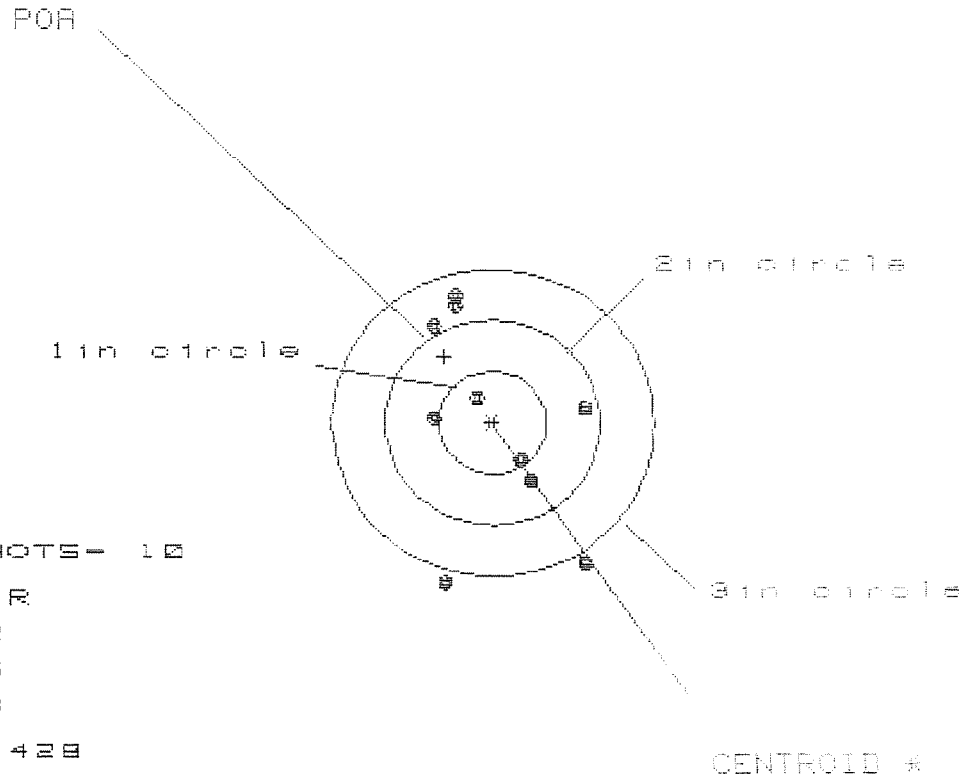
GS = 4.414

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.845	1.254	1.069
MINIMUM X	:	-1.683	-1.478	-.709
MAXIMUM Y	:	1.513	.939	.818
MINIMUM Y	:	-1.309	-1.141	-1.262
CENTROID X	:	.194	-.011	.174
CENTROID Y	:	-.477	-.645	-.524
POA TO CENTROID in.	:	.515	.646	.552
MIN RADIUS	:	.163	.189	.116
MEAN RADIUS	:	1.057	.899	.767
MAX RADIUS	:	2.386	1.769	1.343
HORIZONTAL SPREAD	:	3.528	2.732	1.778
VERTICAL SPREAD	:	2.822	2.080	2.080
EXTREME SPREAD	:	4.414	3.044	2.083
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

25 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225059

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 1.428

VS= 2.768

GS= 2.860

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.854	.944	.899
MINIMUM X	-.574	-.484	-.529
MAXIMUM Y	1.233	1.077	.865
MINIMUM Y	-1.535	-1.691	-.911
CENTROID X	.445	.355	.400
CENTROID Y	-.642	-.486	-.275
POA TO CENTROID in.	.781	.602	.485
MIN RADIUS	.234	.056	.170
MEAN RADIUS	.957	.859	.751
MAX RADIUS	1.618	1.729	1.003
HORIZONTAL SPREAD	1.428	1.428	1.428
VERTICAL SPREAD	2.768	2.768	1.776
EXTREME SPREAD	2.860	2.772	1.901
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		