

C6348870

MODEL 700™ M24

Model **545**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00087059** Serial: C6348870 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/27/2004 9:29:50 AM

Verify Repair

Address Information

Customer: ☒ Received From: ☐ Return To: ☐ Received From: ☐

Name: **ELECTRONIC MAIN SHOP GSC 10TH DIV** **ELECTRONIC MAIN SHOP GSC 10TH DIV**

Address 1: **ATTN MSG BARTRON SPC LAUBAUGH** **ATTN MSG BARTRON SPC LAUBAUGH**

Address 2: **BLDG 7426 RM 203 BAD TOELZ** **BLDG 7426 RM 203 BAD TOELZ** PO Box:

City: **FORT CARSON** **FORT CARSON**

State: **CO** Zip Code: **80913** Country: **US** State: **CO** Zip Code: **80913** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good:

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A026	Scope	1
C000	F AND R SGT BASES	1

Repair Search **Refresh** **Close**

navletj 10/27/2004 11:58 AM CAPS NUM INS SCRL

start 2 Arms Services 3 2

Serial Number: **C6348870**

Model: **M24 SWS**



RE00087059

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348870.___0
FILE DATE AND TIME: 11/15/2004 10:48

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

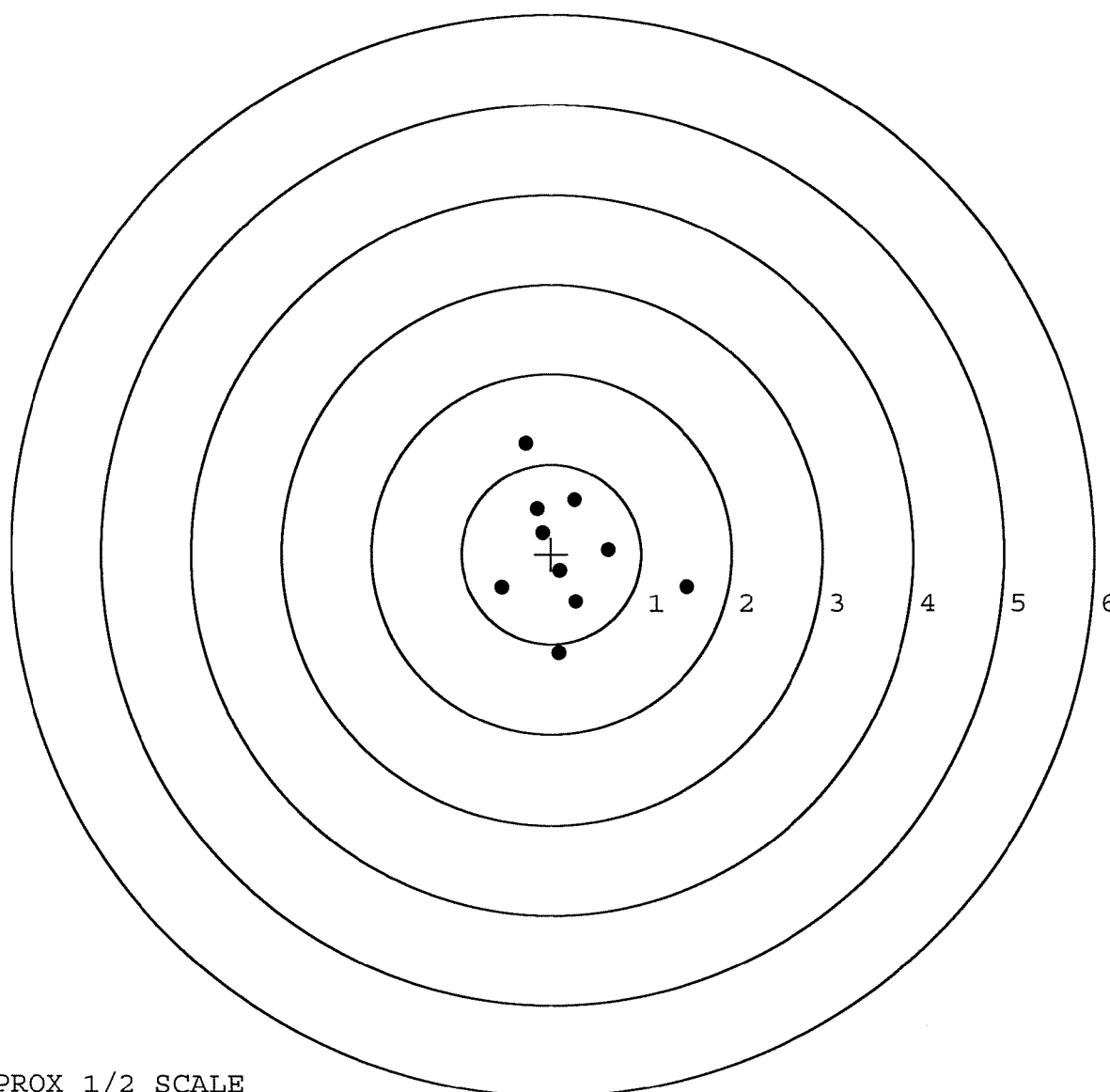
The Average X Centroid of the Five Target Set:	0.177
The Average Y Centroid of the Five Target Set:	0.060
The Average Point of Impact of the Five Target Set:	0.187
The Average Mean Radius of the Five Target Set:	0.685
The Distance from POA to Centroid Target #1:	0.178
The Distance from Centroid Target #2 to Centroid Target #1:	0.217
The Distance from Centroid Target #3 to Centroid Target #1:	0.154
The Distance from Centroid Target #4 to Centroid Target #1:	0.169
The Distance from Centroid Target #5 to Centroid Target #1:	0.307

SERIAL NUMBER: C6348870. __0
 TARGET NUMBER: 1
 FILE DATE: 11/15/2004
 FILE TIME: 10:48

X CENTROID: 0.178
 Y CENTROID: 0.005
 POA TO CENTROID: 0.178
 HORZ SPREAD: 2.053
 VERT SPREAD: 2.337
 GROUP SPREAD: 2.400
 MIN RADIUS: 0.212
 MAX RADIUS: 1.375
 MEAN RADIUS: 0.741

IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.265	0.604
2:	-0.285	1.233
3:	0.637	0.049
4:	-0.159	0.501
5:	-0.098	0.238
6:	0.099	-0.192
7:	0.279	-0.534
8:	0.089	-1.104
9:	-0.552	-0.376
10:	1.501	-0.370

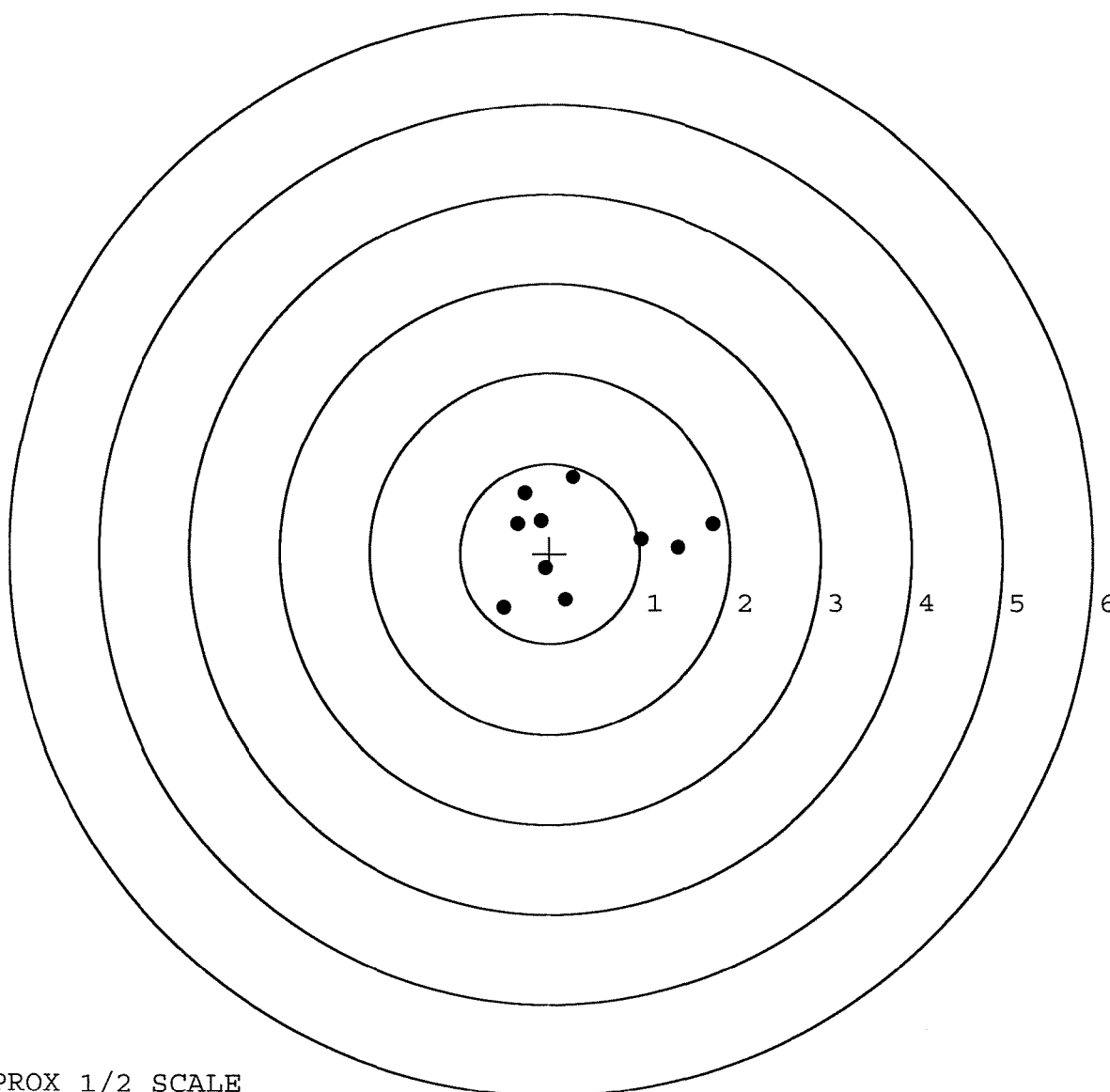


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348870. __0
TARGET NUMBER: 2
FILE DATE: 11/15/2004
FILE TIME: 10:48

X CENTROID: 0.341
Y CENTROID: 0.149
POA TO CENTROID: 0.372
HORZ SPREAD: 2.319
VERT SPREAD: 1.465
GROUP SPREAD: 2.505
MIN RADIUS: 0.487
MAX RADIUS: 1.483
MEAN RADIUS: 0.831
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.278	0.672
2:	-0.359	0.327
3:	-0.095	0.365
4:	-0.052	-0.166
5:	-0.507	-0.613
6:	0.176	-0.520
7:	1.812	0.334
8:	1.424	0.069
9:	1.020	0.165
10:	0.266	0.852

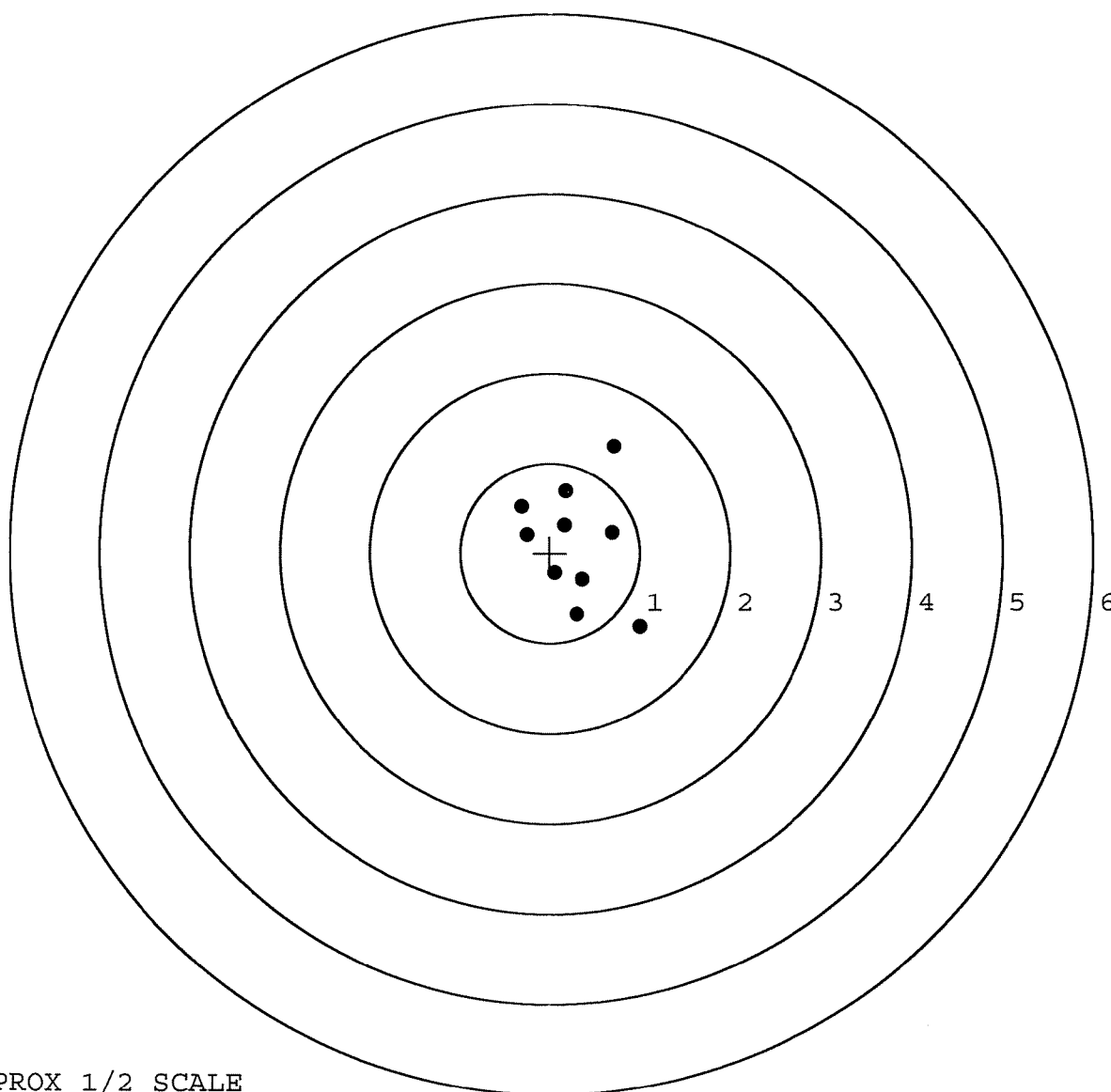


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348870. __0
TARGET NUMBER: 3
FILE DATE: 11/15/2004
FILE TIME: 10:48

X CENTROID: 0.290
Y CENTROID: 0.111
POA TO CENTROID: 0.310
HORZ SPREAD: 1.321
VERT SPREAD: 2.016
GROUP SPREAD: 2.036
MIN RADIUS: 0.238
MAX RADIUS: 1.176
MEAN RADIUS: 0.650
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.719	1.190
2:	0.174	0.693
3:	-0.320	0.518
4:	-0.254	0.202
5:	0.162	0.312
6:	0.695	0.228
7:	0.057	-0.225
8:	0.362	-0.298
9:	0.301	-0.688
10:	1.001	-0.826



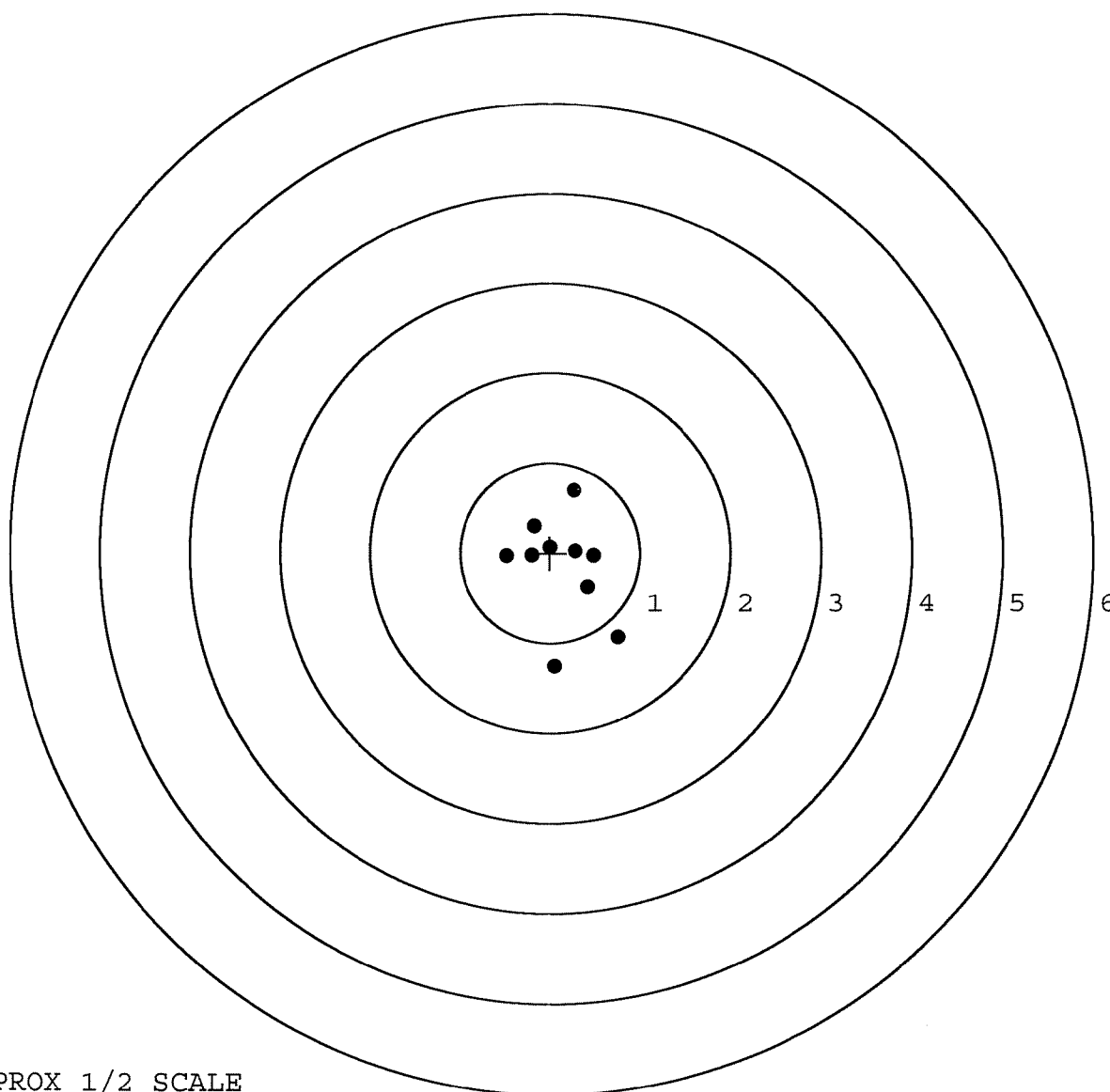
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348870. __0
TARGET NUMBER: 4
FILE DATE: 11/15/2004
FILE TIME: 10:48

X CENTROID: 0.142
Y CENTROID: -0.160
POA TO CENTROID: 0.214
HORZ SPREAD: 1.249
VERT SPREAD: 1.947
GROUP SPREAD: 1.959
MIN RADIUS: 0.230
MAX RADIUS: 1.103
MEAN RADIUS: 0.575

IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.272	0.687
2:	0.489	-0.031
3:	0.284	0.021
4:	0.423	-0.377
5:	0.764	-0.939
6:	0.056	-1.260
7:	-0.178	0.300
8:	-0.485	-0.035
9:	-0.205	-0.030
10:	0.001	0.061

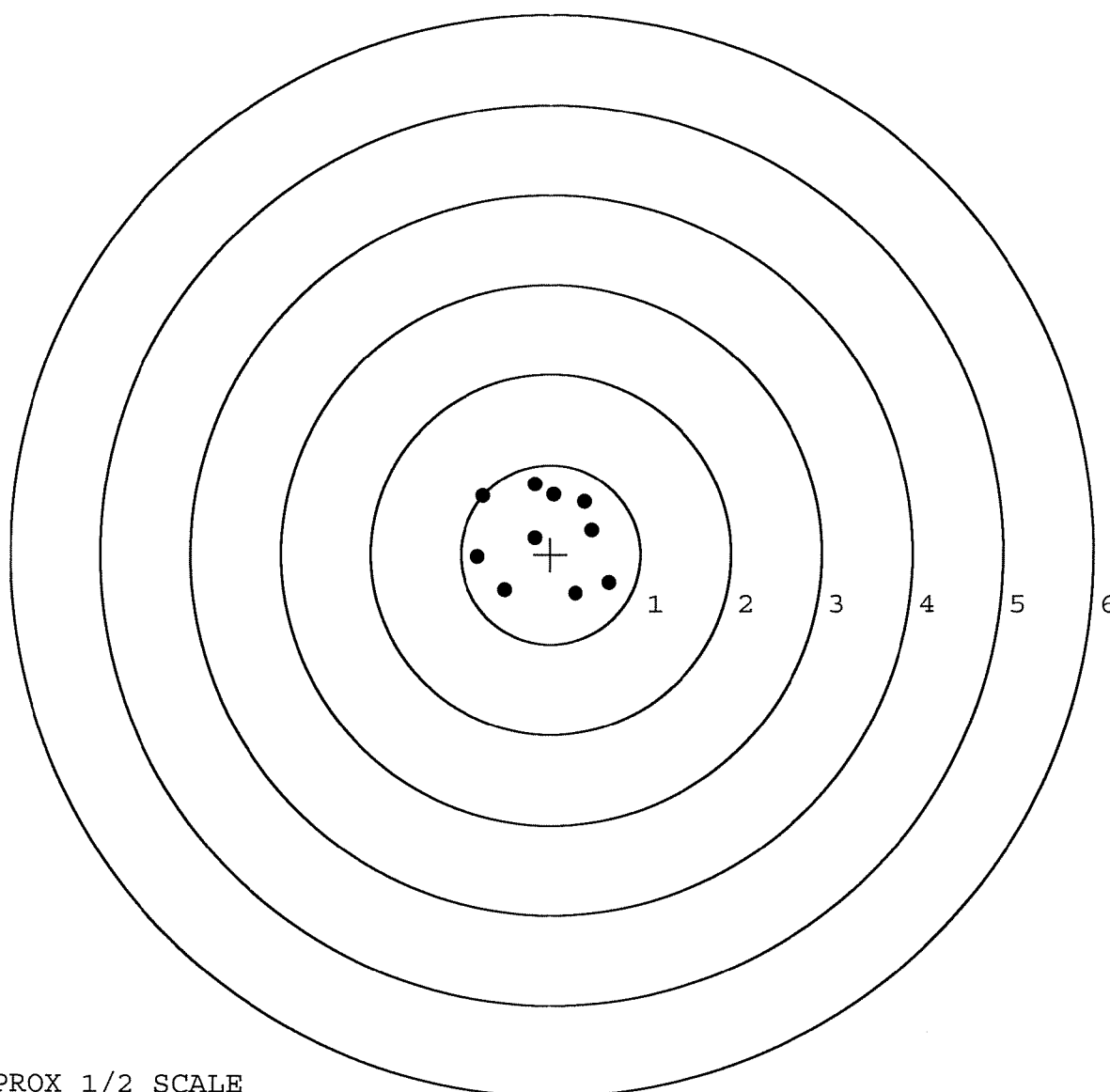


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348870. 0
TARGET NUMBER: 5
FILE DATE: 11/15/2004
FILE TIME: 10:48

X CENTROID: -0.063
Y CENTROID: 0.196
POA TO CENTROID: 0.206
HORZ SPREAD: 1.477
VERT SPREAD: 1.215
GROUP SPREAD: 1.715
MIN RADIUS: 0.116
MAX RADIUS: 0.885
MEAN RADIUS: 0.629
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.034	0.673
2:	-0.179	0.781
3:	-0.757	0.651
4:	-0.818	-0.036
5:	-0.178	0.184
6:	-0.513	-0.402
7:	0.659	-0.316
8:	0.281	-0.434
9:	0.462	0.270
10:	0.383	0.588



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	87059		
SERIAL NUMBER	C-6348870		
LOG-IN DATE	10-27-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10/30/04	DA
560 A	RE-BARREL	11-2-04	RTL
B	DRILL AND TAP	11-4-04	TRW
575	ASSEMBLE	11-2-04	RTL
600	PROOF	11-3-04	RTL
605	CHECK HEADSPACE	11-3-04	RTL
610	DIS-ASSEMBLE GUN	11-4-04	RTL
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	11/5/04	LB
618	ROTO-BLAST	11-6-04	LB
620	APPLY COATINGS	11/9	HG
625 A	FINAL ASSEMBLY	11-11-04	RTL
B	TRIGGER PULL TEST	N/A	N/A
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-15-04	AC
655	FINAL INSPECT	11-18-04	AC
660	PACK	11-18-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

Final Inspection

Sn: C6348820

DATE REC'D: 2/13/97

DATE RET'D:

Auditor: RW

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:

21 DAY TURN - AROUND

Barrel

M-24

CONTRACT # DAAA09-92-C-0834

R&E NO.

SERIAL NO.

C6348870

LOG IN DATE: / /

DATE

INT.

INSPECT & VERIFY:

OP. #

OP. NAME

550

DIS-ASSEMBLE GUN

560 A

RE-BARREL AT CUSTOM SHOP

B

DRILL & TAP

C

POLISH

575

ASSEMBLE

600

PROOF

2/17/97

605

CHECK HEADSPACE

610

DIS-ASSEMBLE

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

3/19/97

AV

655

FINAL INSPECT

3/19/97

RW

660

PACK

QAR INSPECTION

SHIP DATE

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # C6348870

1 Apr 1997

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0626

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0354

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0719161

THE AMR FOR THIS RIFLE IS: 1.1

CENTROIDAL DISTANCES

0 TO	1	.240707
1 TO	2	.313107
1 TO	3	.209774
1 TO	4	.784006
1 TO	5	.227899

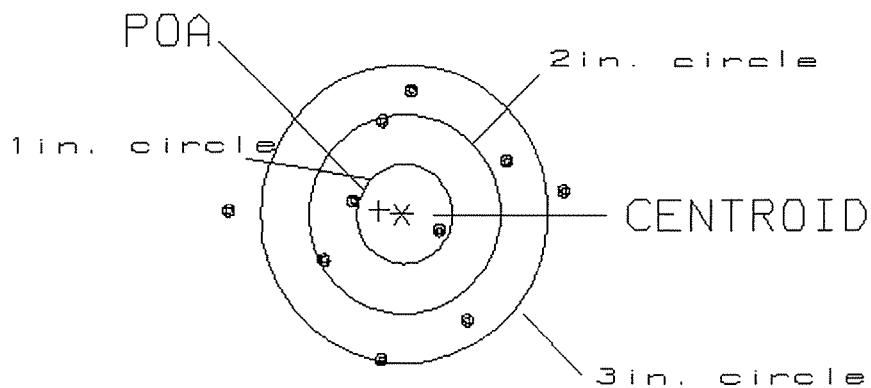
4 ³₂ 1 <----POA

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .241
 MIN RADIUS : .417
 MEAN RADIUS : 1.156
 MAX RADIUS : 1.868
 CENTROID X : .238
 CENTROID Y : -.036

21 Mar 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C634887D

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.49

1

VS= 2.65

3

GS= 3.49

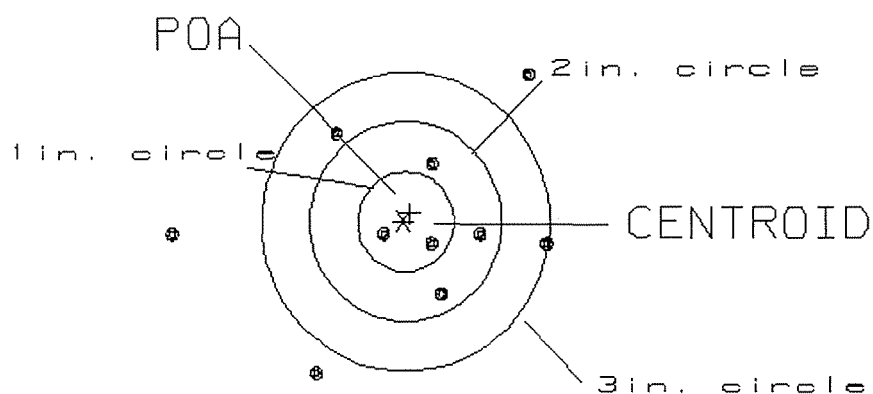
8

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .107
 MIN RADIUS : .260
 MEAN RADIUS : 1.165
 MAX RADIUS : 2.477
 CENTROID X : -.072
 CENTROID Y : -.080

21 Mar 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C634887D

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.97

2

VS= 2.98

5

GS= 4.07

6

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .080

MIN RADIUS : .295

MEAN RADIUS : 1.030

MAX RADIUS : 2.048

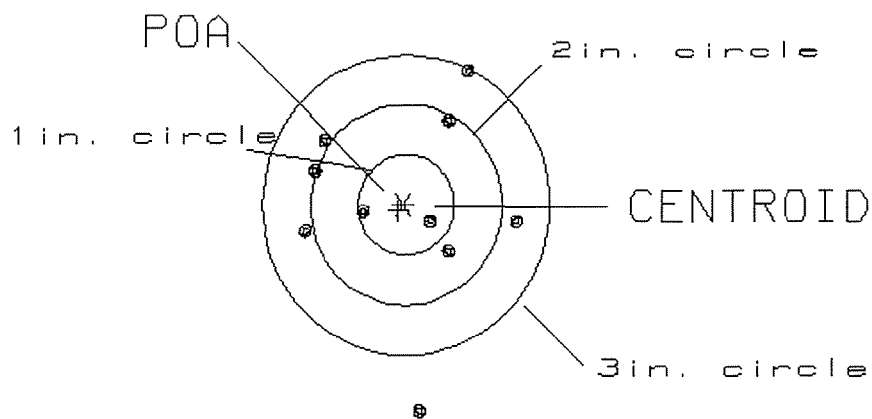
CENTROID X : .052

CENTROID Y : .061

21 Mar 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C634887D

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.20

2

VS= 3.43

5

GS= 3.46

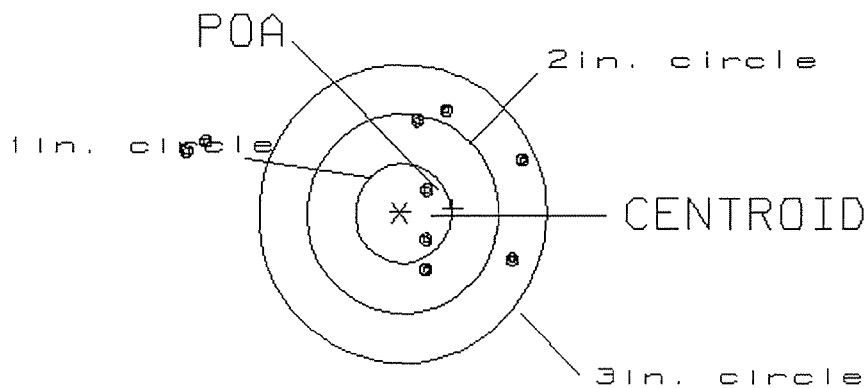
8

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .548
 MIN RADIUS : .309
 MEAN RADIUS : 1.340
 MAX RADIUS : 2.966
 CENTROID X : -.546
 CENTROID Y : -.039

21 Mar 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C634887D

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.48
 VS= 3.91
 GS= 4.58

2
 4
 7

REMINGTON CENTERFIRE ACCURACY TEST

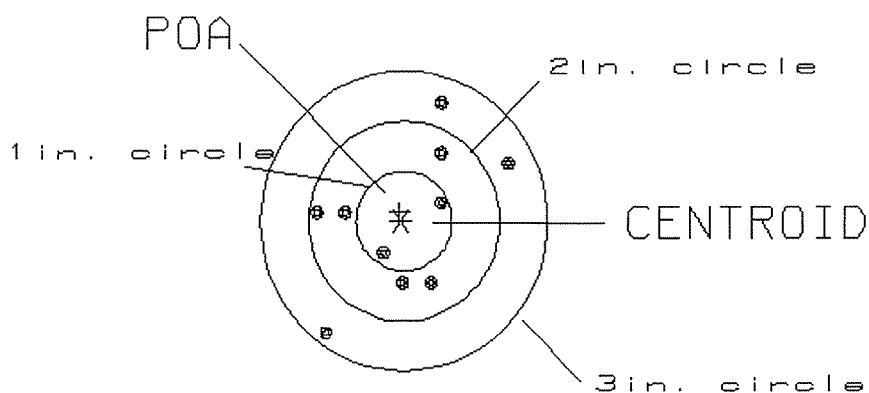
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .084
 MIN RADIUS : .375
 MEAN RADIUS : .807
 MAX RADIUS : 1.365
 CENTROID X : .015
 CENTROID Y : -.083

21 Mar 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C634887D

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.00

2

VS= 2.26

7

GS= 2.54

10

Remington ®		 REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		SERIAL NO. C6348870	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		Ø1	
 5716 C6348870			

UPC



0 47700 25716 7

INTERCHANGEABILITY

M-24

5092 0689

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348870

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 14	89	RW
600	Proof	9 14	89	RW
607	Check Headspace			RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action	9-14-89		KCR
	Magnaflux Bolt	9-14-89		KCR
615	Rollmark Caliber		9/15/89	GS
7	Drill and Tap Sight Holes	9 15	89	
618	Polish Barrel	9 15	89	
620	Apply Coatings (Barrel Action)		9/25/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/26/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	RW
	C) Inspect Ejector Hole for Chamfer		9/26/89	RW
	D) Oil Firing Pin Ass'y		9/26/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/6/89	GLS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			10/16/89	921
	G) Safety Off Force	3	3	3			10/16/89	921
	H) Trigger Pull Test & Retainability						10/16/89	921
	I) Firing Pin Indent	.021	.021	.021			10/16/89	921
	J) Assemble Stock						10/17/89	921
	K) Assemble Swivel Studs						10/17/89	921
	L) Attach Front and Rear Sight Assemblies						10/17/89	921
	M) Iron Sight Alignment						10/17/89	921
	N) Detach Front & Rear Sights & place in numbered container						10/17/89	921
	O) Attach Scope to Rifle						10/17/89	921
	P) Detach & Attach Scope 20 Times						10/17/89	921
640	Gallery Target & Test						10-18-89	DH
	A) Time						10-18-89	DH
	B) Malfunctions						10-18-89	DH
	C) Pierced Primers						10-18-89	DH
	D) Optical Clarity of Scope						10-18-89	DH
645	Inspect for Live Ammo						10-18-89	DH
655	Final Inspection						10-18-89	921
	A) Headspace						10-18-89	921
	B) Trigger Pull	242	254	247	246	243	10-18-89	921
	C) Function						10-18-89	921
660	Pack						10-18-89	921

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 8870

DATE 3/26/90

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.20	2.28	2.38 ³	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.38	2.42	
PULL #3	2.32	2.33	2.39	
PULL #4	2.32	2.36	2.28	
PULL #5	2.31	2.34	2.34	
TOTAL	11.49	11.69	11.81	
AVG.	2.30	2.34	2.36	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.31	3.22	
PULL #2	3.29	3.24	
PULL #3	3.10	3.15	
PULL #4	3.04	3.18	
PULL #5	3.21	3.19	
TOTAL	15.95	15.98	
AVG.	3.19	3.19	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.34		
PULL #2	4.35	4.28		
PULL #3	4.32	3.94		
PULL #4	4.32	4.24		
PULL #5	4.33	4.24		
TOTAL	21.58	21.04		
AVG.	4.31	4.21		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06048870
18 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.514736
1 TO	2	.483157
1 TO	3	.377576
1 TO	4	.855716
1 TO	5	.133004

$t_{\frac{1}{2}}$ $\leftarrow$ ----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4392
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1704
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .471097
THE AMR FOR THIS RIFLE IS: .9564

18 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348670

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 2.266

VS= 2.386

GS= 2.463

CENTROID *

PATTERN #

:

1

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

.764

.597

.592

MINIMUM X

:

-1.502

-.787

-.792

MAXIMUM Y

:

1.341

1.352

.986

MINIMUM Y

:

-1.045

-1.034

-.855

CENTROID X

:

.272

.439

.444

CENTROID Y

:

-.437

-.448

-.617

POA TO CENTROID in.:

:

.514

.627

.761

MIN RADIUS

:

.211

.311

.447

MEAN RADIUS

:

.905

.826

.759

MAX RADIUS

:

1.506

1.353

.987

HORIZONTAL SPREAD

:

2.266

1.384

1.384

VERTICAL SPREAD

:

2.386

2.386

1.851

EXTREME SPREAD

:

2.463

2.396

1.856

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

6

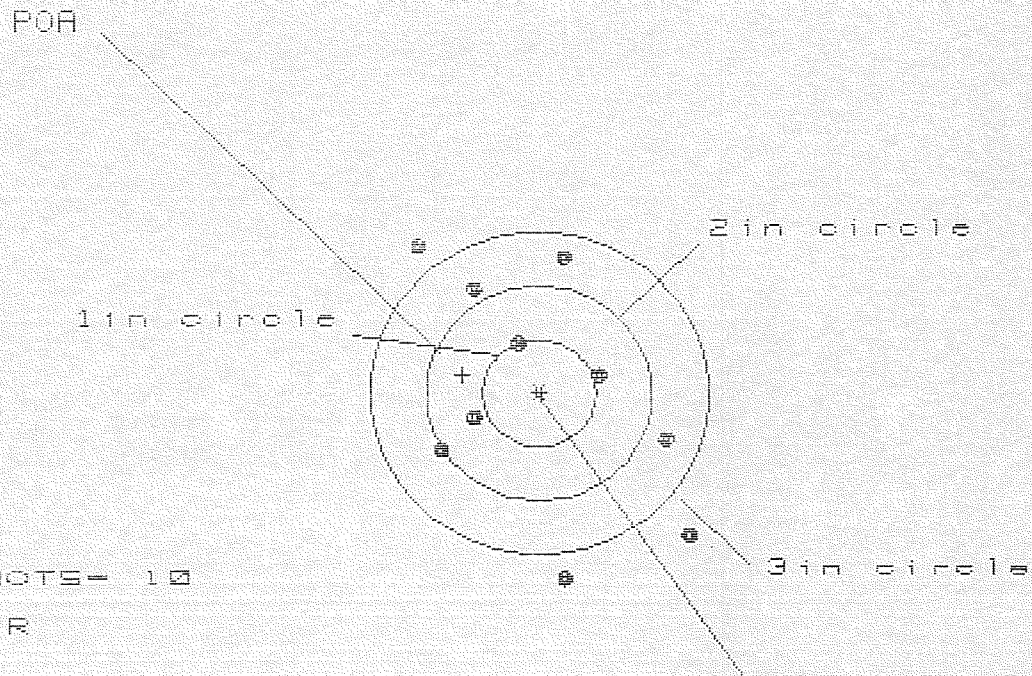
NUMBER IN THREE INCH CIRCLE =

9

18 Oct 1999

FILE:/PATTERNING/CENTERFIRE_PATT/C634B670

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 3

3in = 7

HS= 2.415

VS= 3.133

GS= 3.627

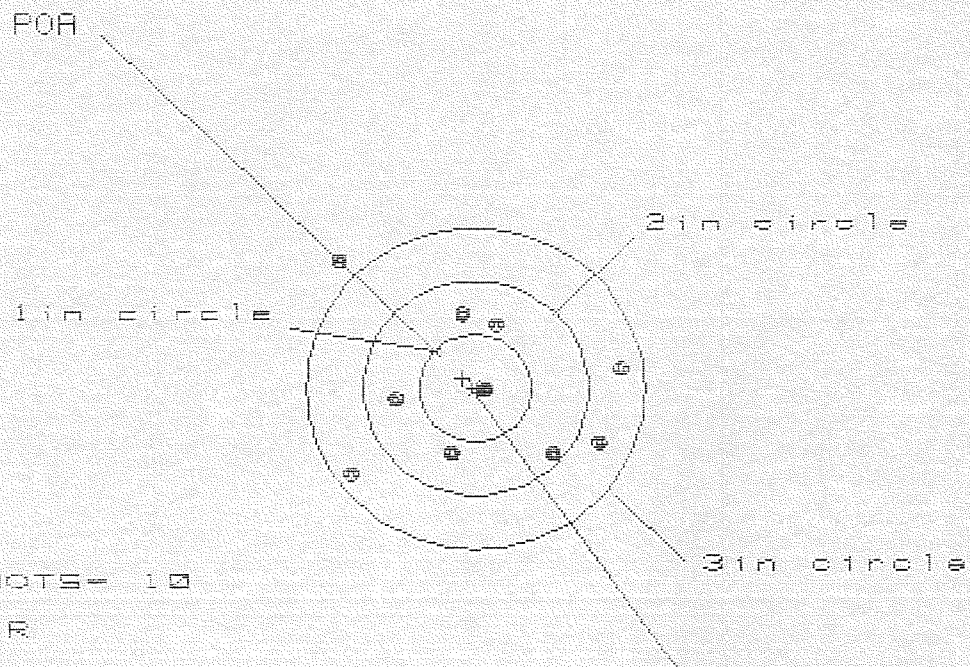
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	9
MAXIMUM X	:	1.325	1.275	1.315
MINIMUM X	:	-1.090	-.942	-.902
MAXIMUM Y	:	1.365	1.216	.976
MINIMUM Y	:	-1.768	-1.917	-.966
CENTROID X	:	.676	.528	.488
CENTROID Y	:	-.172	-.023	.217
POA TO CENTROID in.	:	.697	.529	.534
MIN RADIUS	:	.498	.322	.086
MEAN RADIUS	:	1.179	1.065	.908
MAX RADIUS	:	1.886	1.945	1.542
HORIZONTAL SPREAD	:	2.415	2.217	2.217
VERTICAL SPREAD	:	3.133	3.133	1.882
EXTREME SPREAD	:	3.627	3.379	2.844
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

18 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C9348870

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS = 2.493

VS = 1.978

GS = 2.921

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.259	1.121	.985
MINIMUM X	:	-1.234	-1.251	-.984
MAXIMUM Y	:	1.186	.783	.761
MINIMUM Y	:	-.792	-.661	-.528
CENTROID X	:	.112	.249	.405
CENTROID Y	:	-.095	-.226	-.144
POA TO CENTROID in.	:	.146	.336	.430
MIN RADIUS	:	.100	.121	.198
MEAN RADIUS	:	.918	.823	.746
MAX RADIUS	:	1.712	1.414	1.001
HORIZONTAL SPREAD	:	2.493	2.372	1.949
VERTICAL SPREAD	:	1.978	1.444	1.229
EXTREME SPREAD	:	2.921	2.578	1.981
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

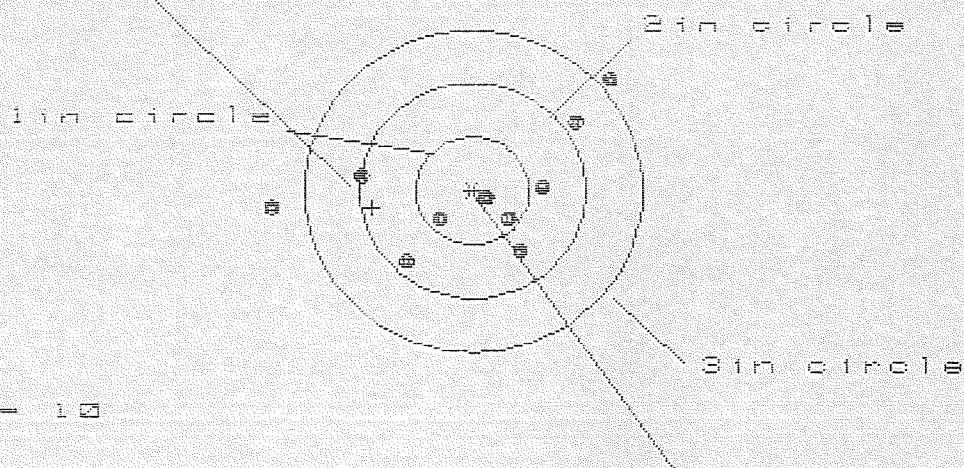
18 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0634B070

CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 3.026

VS= 1.657

GS= 3.268

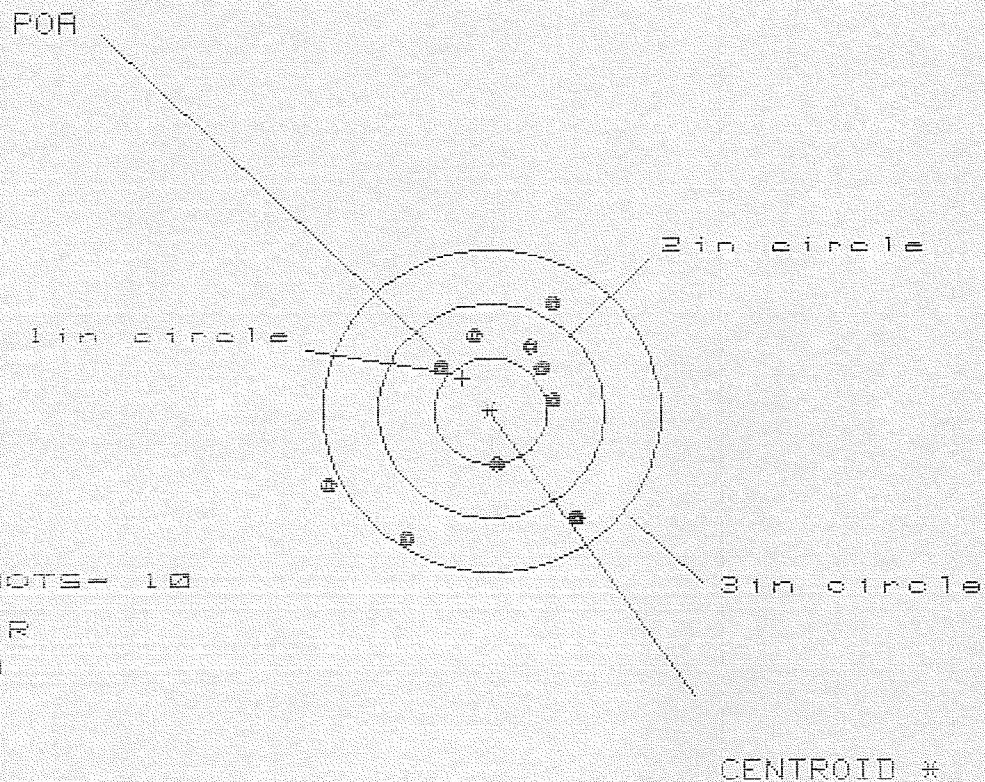
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.251	1.054	.845
MINIMUM X	:	-1.775	-1.156	-1.025
MAXIMUM Y	:	1.049	1.029	.733
MINIMUM Y	:	-.608	-.628	-.500
CENTROID X	:	.887	1.084	.953
CENTROID Y	:	.158	.178	.050
POA TO CENTROID in.	:	.901	1.099	.954
MIN RADIUS	:	.147	.105	.081
MEAN RADIUS	:	.854	.726	.607
MAX RADIUS	:	1.785	1.473	1.119
HORIZONTAL SPREAD	:	3.026	2.210	1.870
VERTICAL SPREAD	:	1.657	1.657	1.233
EXTREME SPREAD	:	3.268	2.498	1.964
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

18 Oct 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C6348870

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 6

3 in = 9

HS= 2.270

VS= 2.227

GS= 2.700

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.799	.636	.523
MINIMUM X	:	-1.471	-.903	-.710
MAXIMUM Y	:	1.051	.974	.817
MINIMUM Y	:	-1.176	-1.253	-1.240
CENTROID X	:	.249	.412	.525
CENTROID Y	:	-.306	-.229	-.072
POA TO CENTROID in.	:	.395	.472	.530
MIN RADIUS	:	.526	.351	.259
MEAN RADIUS	:	.926	.809	.664
MAX RADIUS	:	1.627	1.545	1.345
HORIZONTAL SPREAD	:	2.270	1.539	1.233
VERTICAL SPREAD	:	2.227	2.227	2.057
EXTREME SPREAD	:	2.700	2.592	2.068
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349870
13 Dec 1989

CENTROIDAL DISTANCES

0 TO	1	.141089
1 TO	2	.703006
1 TO	3	.193437
1 TO	4	.554707
1 TO	5	.172965

$\frac{2}{4} \frac{5}{37}$

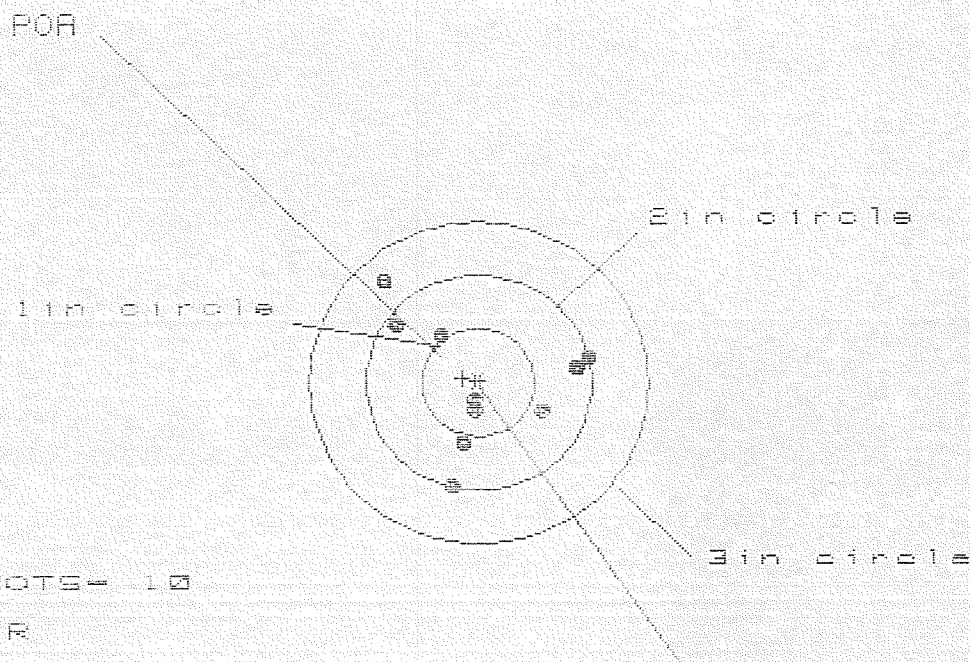
<----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.137
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0026
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .137025
THE AMR FOR THIS RIFLE IS: .872

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08348670.1

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.841

VS= 1.970

GS= 2.063

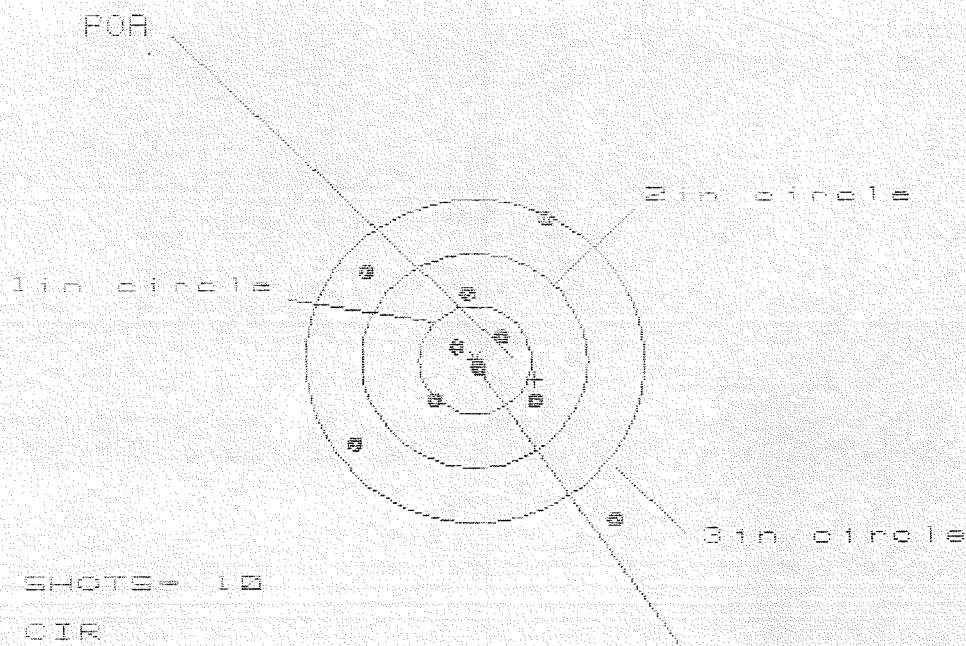
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.972	.875	.831
MINIMUM X	:	-.869	-.794	-.838
MAXIMUM Y	:	.974	.657	.546
MINIMUM Y	:	-.996	-.888	-.542
CENTROID X	:	.135	.232	.276
CENTROID Y	:	-.041	-.149	-.038
POA TO CENTROID in.	:	.141	.276	.278
MIN RADIUS	:	.190	.170	.270
MEAN RADIUS	:	.721	.634	.609
MAX RADIUS	:	1.305	1.030	1.000
HORIZONTAL SPREAD	:	1.841	1.669	1.669
VERTICAL SPREAD	:	1.970	1.345	1.088
EXTREME SPREAD	:	2.063	1.731	1.700
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Dec 1983

FILE:/PATTERNING/CENTERFIRE_PATT/08340870.1

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.252

VS= 2.743

GS= 3.143

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.187	.734	.787
MINIMUM X	-1.065	-.933	-.841
MAXIMUM Y	1.297	1.136	.815
MINIMUM Y	-1.446	-.937	-.794
CENTROID X	-.534	-.666	-.758
CENTROID Y	.175	.336	.194
POA TO CENTROID IN.	.562	.746	.782
MIN RADIUS	.126	.045	.137
MEAN RADIUS	.833	.710	.637
MAX RADIUS	1.871	1.353	1.157
HORIZONTAL SPREAD	2.252	1.667	1.628
VERTICAL SPREAD	2.743	2.073	1.609
EXTREME SPREAD	3.143	2.660	1.969
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

13 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/05348870.1

CENTERFIRE PATTERNS # 3

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= 1.415

VS= 2.753

GS= 2.763

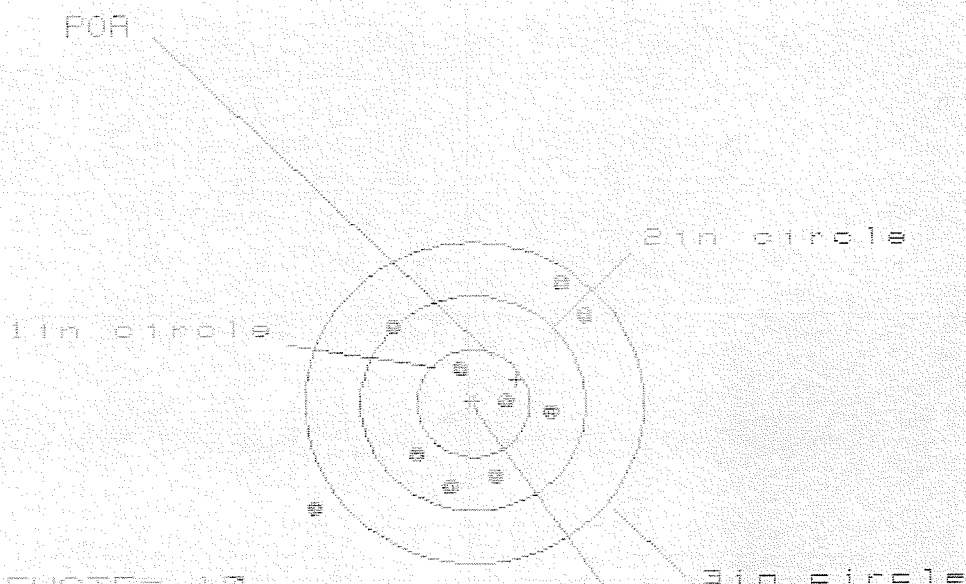
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.548	.576	.639
MINIMUM X	:	-.867	-.839	-.776
MAXIMUM Y	:	1.448	1.288	1.145
MINIMUM Y	:	-1.385	-1.145	-1.055
CENTROID X	:	-.058	-.086	-.149
CENTROID Y	:	-.054	-.214	-.071
POA TO CENTROID in:	:	.079	.231	.165
MIN RADIUS	:	.218	.297	.148
MEAN RADIUS	:	.941	.883	.819
MAX RADIUS	:	1.469	1.456	1.300
HORIZONTAL SPREAD	:	1.415	1.415	1.415
VERTICAL SPREAD	:	2.753	2.433	2.200
EXTREME SPREAD	:	2.763	2.706	2.385
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8346870.1

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.397

VS= 2.000

GS= 3.006

CENTROID *

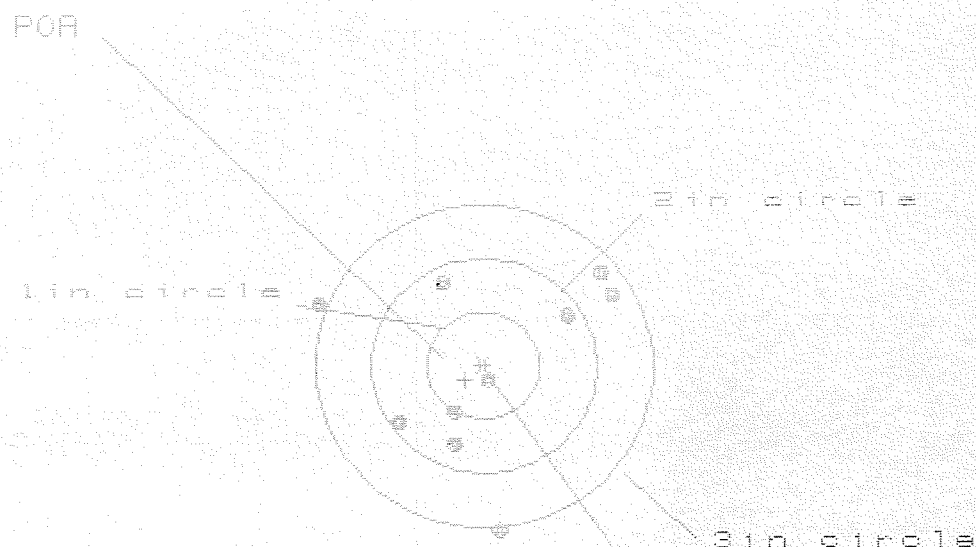
PATTERN # : **4**

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.940	.778	.856
MINIMUM X	-1.457	-.839	-.761
MAXIMUM Y	1.079	.976	.793
MINIMUM Y	-.929	-.852	-.730
CENTROID X	-.389	-.227	-.305
CENTROID Y	-.223	-.120	-.242
POA TO CENTROID in	.449	.257	.389
MIN RADIUS	.279	.170	.194
MEAN RADIUS	.882	.769	.709
MAX RADIUS	1.728	1.155	1.167
HORIZONTAL SPREAD	2.397	1.617	1.617
VERTICAL SPREAD	2.000	1.828	1.523
EXTREME SPREAD	3.006	2.090	1.922
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

13 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6346870.1

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.636

VS= 2.326

GS= 2.636

CENTROID #

PATTERN #		10	9	8
SHOTS (BEST OF)		10	9	8
MAXIMUM X		1.188	1.027	1.021
MINIMUM X		-1.448	-.914	-.920
MAXIMUM Y		.840	.908	.731
MINIMUM Y		-1.486	-1.418	-.884
CENTROID X		.161	.322	.328
CENTROID Y		.138	.062	.239
POA TO CENTROID in.		.207	.328	.406
MIN RADIUS		.170	.184	.321
MEAN RADIUS		.983	.916	.857
MAX RADIUS		1.572	1.419	1.143
HORIZONTAL SPREAD		2.636	1.941	1.941
VERTICAL SPREAD		2.326	2.326	1.615
EXTREME SPREAD		2.636	2.498	2.240
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	