

C6587567

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00113520

Serial: C6587567 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 6/14/2006 9:26:18 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: B CO. 3/3 SFG

B CO. 3/3 SFG

Address 1: BLDG 1351-E

BLDG 1351-E

Address 2: KUWAIT STREET

PO Box:

KUWAIT STREET

PO Box:

City: FT. BRAGG

FT. BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

6/14/2006

10:21 AM

CAPS

NUM

INS

SCRL

Serial
Number:

C6587567

Model: M24 SWS



RE00113520

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587567.__0
FILE DATE AND TIME: 06/27/2006 17:48

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.076
The Average Y Centroid of the Five Target Set:	-0.104
The Average Point of Impact of the Five Target Set:	0.129
The Average Mean Radius of the Five Target Set:	0.692
The Distance from POA to Centroid Target #1:	0.121
The Distance from Centroid Target #2 to Centroid Target #1:	0.165
The Distance from Centroid Target #3 to Centroid Target #1:	0.694
The Distance from Centroid Target #4 to Centroid Target #1:	0.301
The Distance from Centroid Target #5 to Centroid Target #1:	0.246

SERIAL NUMBER: C6587567. __0

TARGET NUMBER: 1

FILE DATE: 06/27/2006

FILE TIME: 17:48

X CENTROID: -0.029

Y CENTROID: 0.117

POA TO CENTROID: 0.121

HORZ SPREAD: 2.022

VERT SPREAD: 2.011

GROUP SPREAD: 2.390

MIN RADIUS: 0.201

MAX RADIUS: 1.327

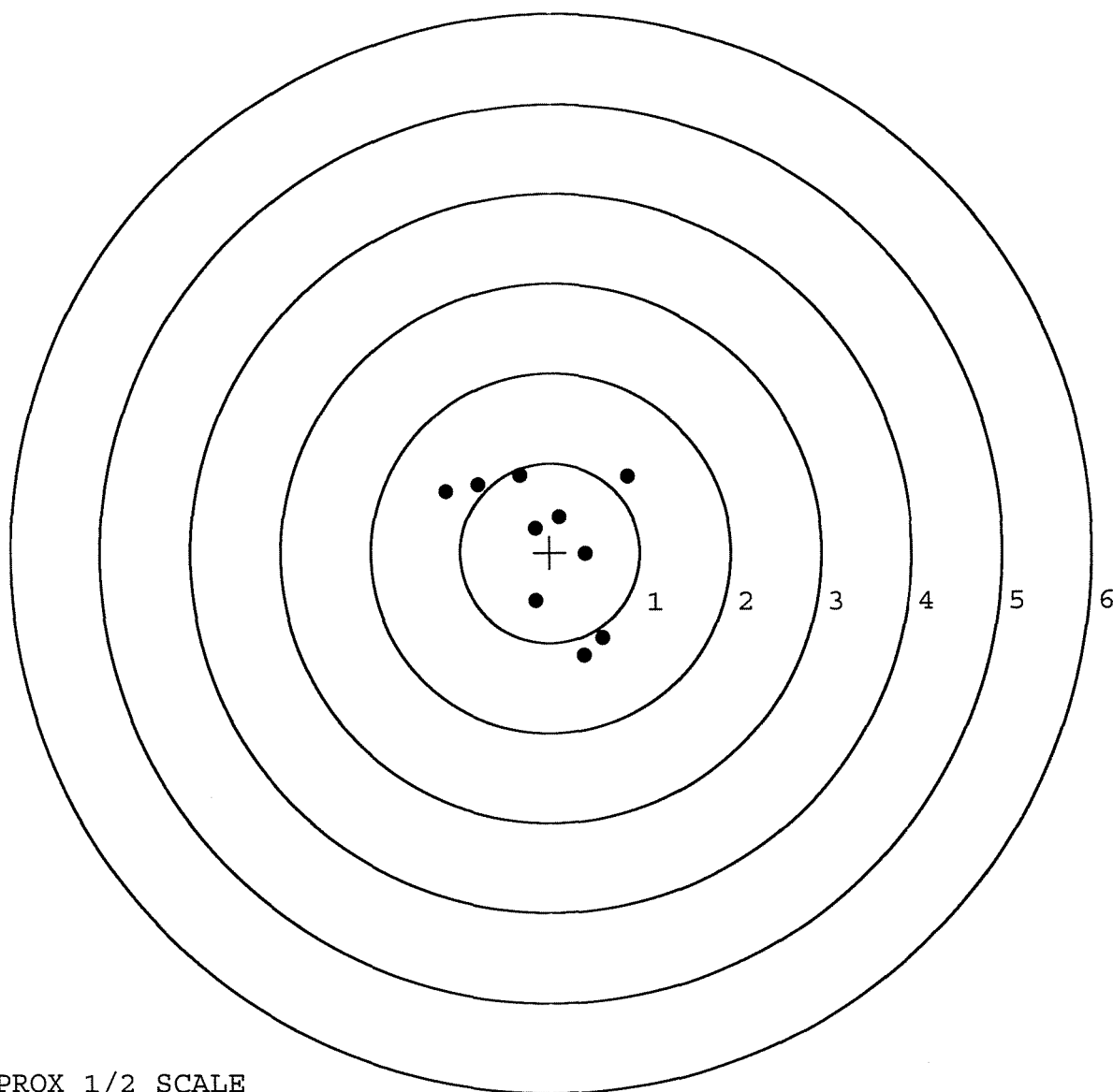
MEAN RADIUS: 0.843

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.161	0.680
2:	-0.801	0.766
3:	-0.339	0.866
4:	0.861	0.850
5:	0.101	0.398
6:	-0.163	0.267
7:	0.399	-0.015
8:	-0.163	-0.546
9:	0.592	-0.950
10:	0.382	-1.145

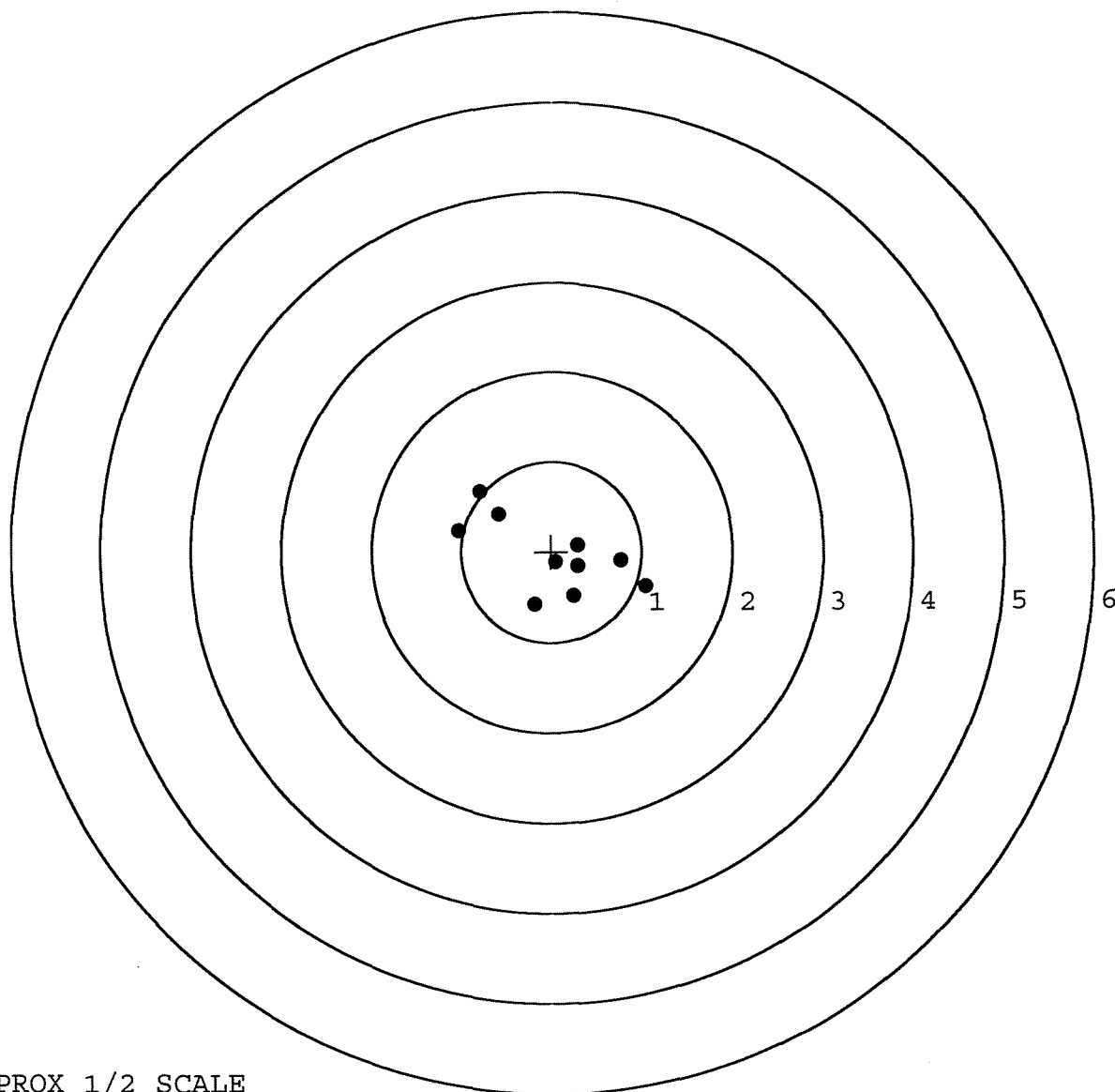


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587567. __0
 TARGET NUMBER: 2
 FILE DATE: 06/27/2006
 FILE TIME: 17:48

POINT#	X	Y
1:	-0.795	0.670
2:	-0.587	0.415
3:	-1.028	0.233
4:	-0.193	-0.584
5:	1.041	-0.384
6:	0.772	-0.095
7:	0.295	0.075
8:	0.051	-0.114
9:	0.299	-0.154
10:	0.252	-0.492

X CENTROID: 0.011
 Y CENTROID: -0.043
 POA TO CENTROID: 0.044
 HORZ SPREAD: 2.069
 VERT SPREAD: 1.254
 GROUP SPREAD: 2.159
 MIN RADIUS: 0.082
 MAX RADIUS: 1.085
 MEAN RADIUS: 0.654
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

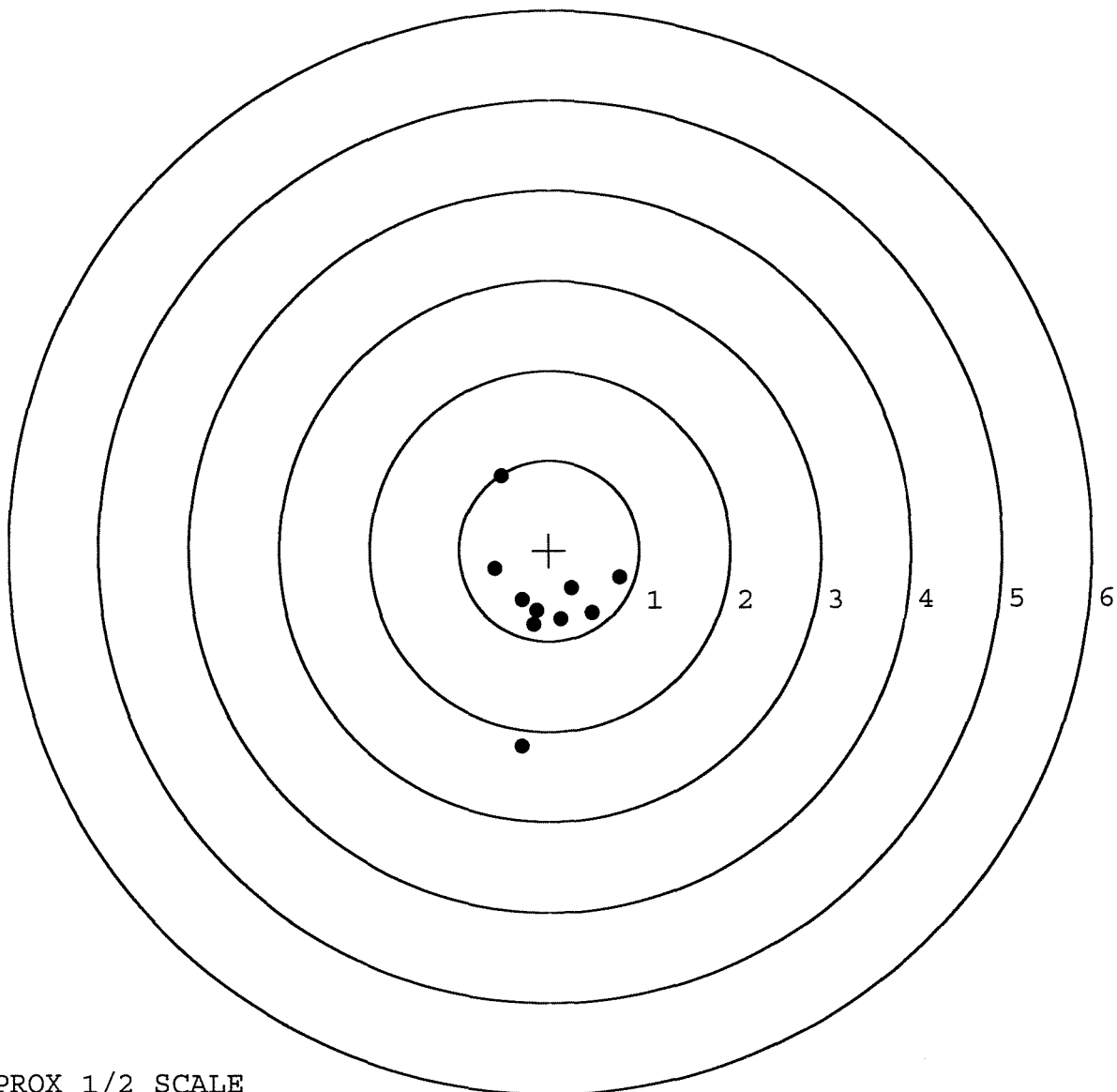


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587567. __0
 TARGET NUMBER: 3
 FILE DATE: 06/27/2006
 FILE TIME: 17:48

X CENTROID: -0.039
 Y CENTROID: -0.577
 POA TO CENTROID: 0.578
 HORZ SPREAD: 1.387
 VERT SPREAD: 3.004
 GROUP SPREAD: 3.012
 MIN RADIUS: 0.136
 MAX RADIUS: 1.616
 MEAN RADIUS: 0.645
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.529	0.833
2:	-0.603	-0.200
3:	-0.302	-0.552
4:	-0.170	-0.826
5:	0.138	-0.763
6:	0.784	-0.305
7:	0.253	-0.425
8:	0.474	-0.690
9:	-0.137	-0.672
10:	-0.303	-2.171



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587567. __0

TARGET NUMBER: 4

FILE DATE: 06/27/2006

FILE TIME: 17:48

X CENTROID: -0.052

Y CENTROID: -0.183

POA TO CENTROID: 0.191

HORZ SPREAD: 1.568

VERT SPREAD: 2.021

GROUP SPREAD: 2.057

MIN RADIUS: 0.076

MAX RADIUS: 1.154

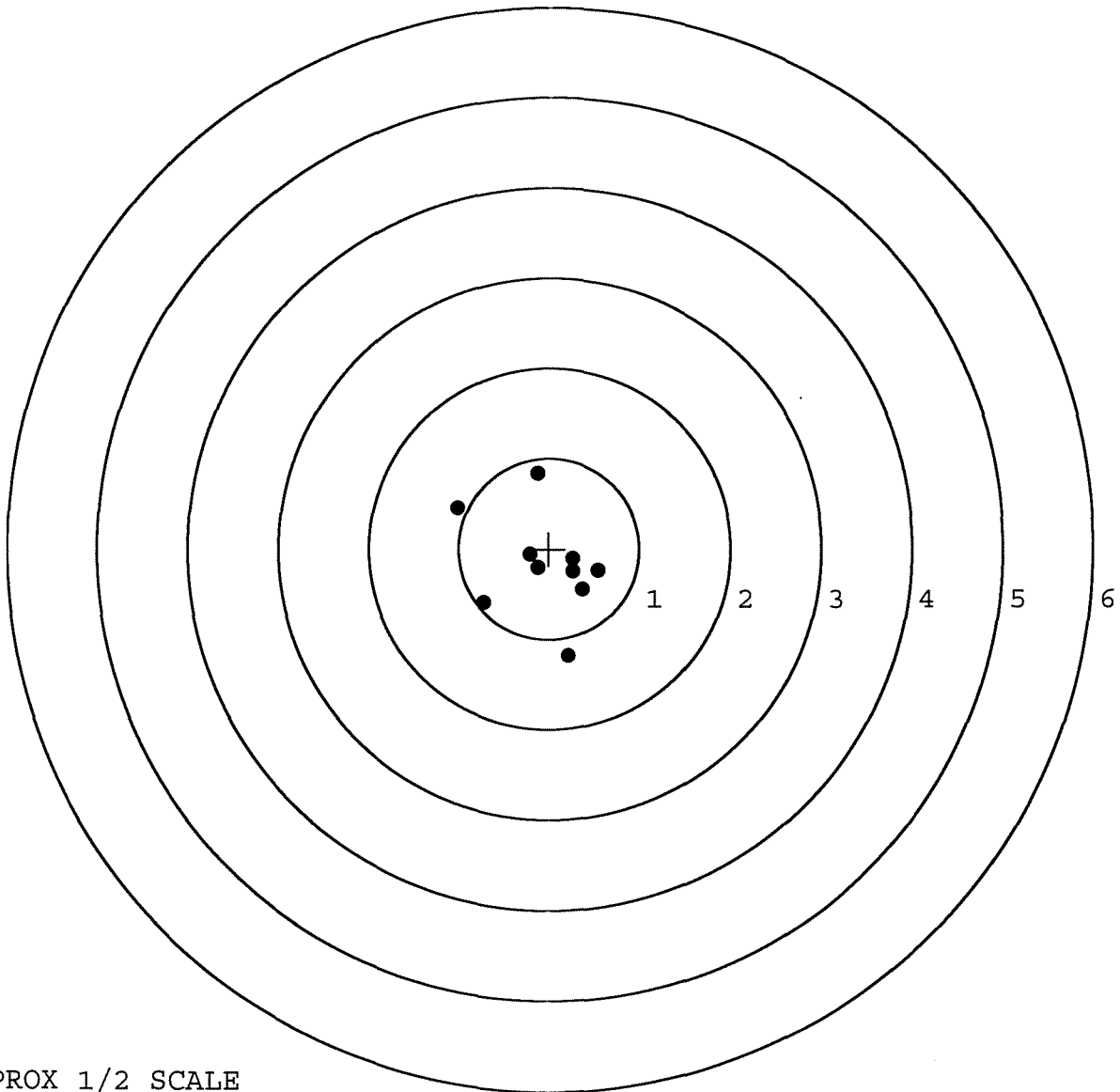
MEAN RADIUS: 0.603

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.223	-1.193
2:	-0.722	-0.600
3:	-1.018	0.448
4:	-0.129	0.828
5:	-0.124	-0.207
6:	-0.207	-0.066
7:	0.267	-0.112
8:	0.550	-0.234
9:	0.375	-0.449
10:	0.267	-0.250



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587567. __0

TARGET NUMBER: 5

FILE DATE: 06/27/2006

FILE TIME: 17:48

POINT#	X	Y
1:	0.055	-1.035
2:	0.345	-0.801
3:	0.121	-0.354
4:	0.410	0.098
5:	-0.352	-0.297
6:	-0.388	0.130
7:	-0.316	0.473
8:	-0.316	0.473
9:	-0.392	0.824
10:	-0.392	0.826
11:	0.211	1.087
12:	-1.252	0.366
13:	-1.250	0.366

X CENTROID: -0.270

Y CENTROID: 0.166

POA TO CENTROID: 0.317

HORZ SPREAD: 1.662

VERT SPREAD: 2.122

GROUP SPREAD: 2.128

MIN RADIUS: 0.123

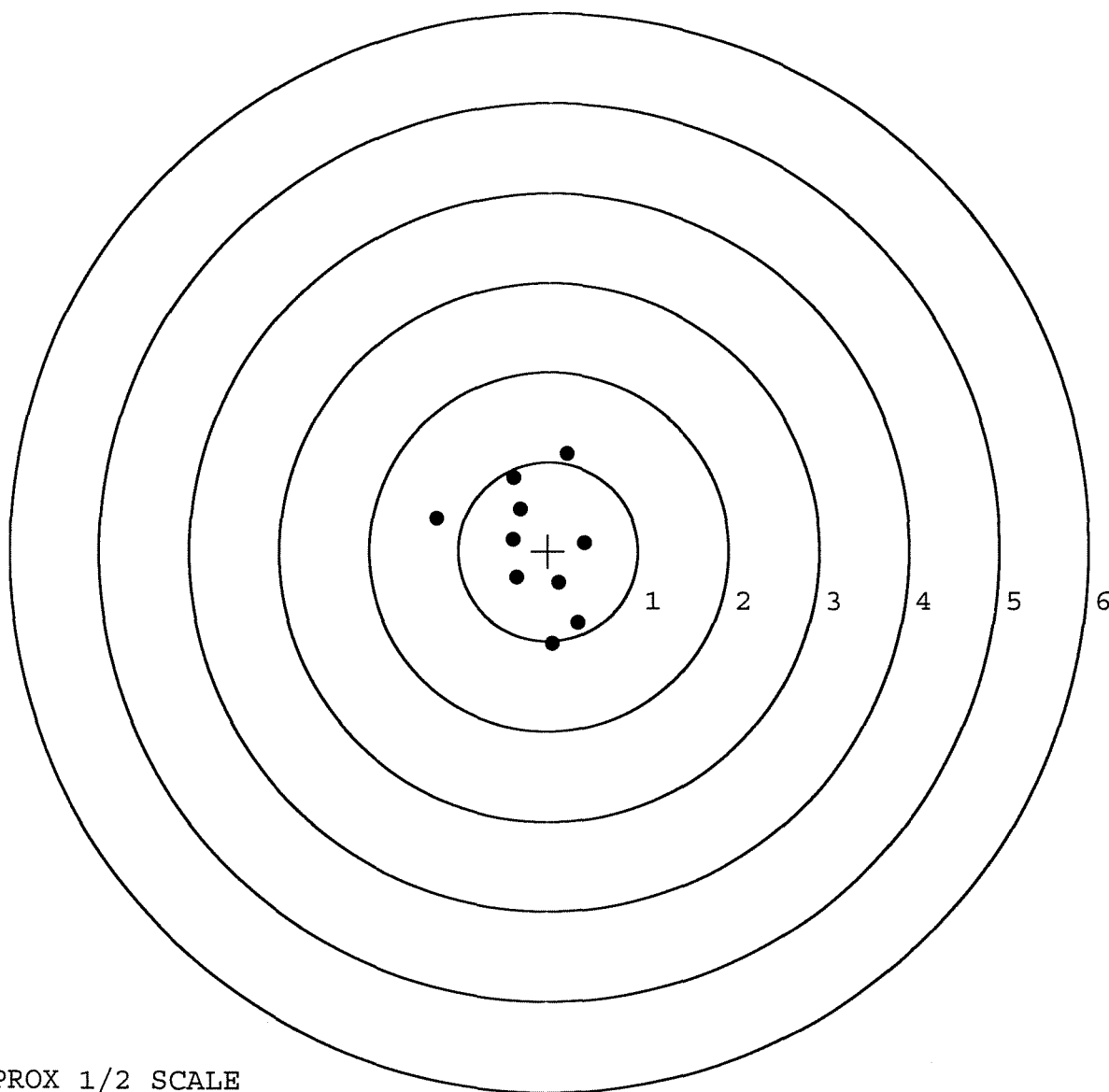
MAX RADIUS: 1.244

MEAN RADIUS: 0.717

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 13



TARGET APPROX 1/2 SCALE

BARREL ASSEMBLY

BARREL

RECEIVER

FRONT SIGHT BASE

REAR SIGHT BASE

SCREWS

FINISH

STOCK ASSEMBLY

STOCK

SLING SWIVEL STUDS

BUTT PATE

LOCK NUTS

BARREL CLEARANCE

COLOR / FINISH

SCOPE ASSEMBLY

SCOPE

SCOPE RINGS

MOUNTING SCREWS

MOUNTING BASE

SCREWS

FINISH

CLARITY

SYSTEM CASE

SCOPE CASE

IRON SIGHTS

DEPLOYMENT KIT

TRIGGER ASSEMBLY

SAFETY OPERATION

RE-SET TO FACTORY
SPECS

COMMENTS: _____

F006 REV 5/2006

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6587567

8 Sep 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.1456$

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $.0092$

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.14589$

THE AMR FOR THIS RIFLE IS: 1.141

CENTROIDAL DISTANCES

0	TO	1	.26045
1	TO	2	.182877
1	TO	3	.279217
1	TO	4	.231138
1	TO	5	.225568

$\begin{matrix} & & 3 \\ 1 & & 5 \\ 4 & 2 & 4 \end{matrix}$
 $\leftarrow$ ----POA

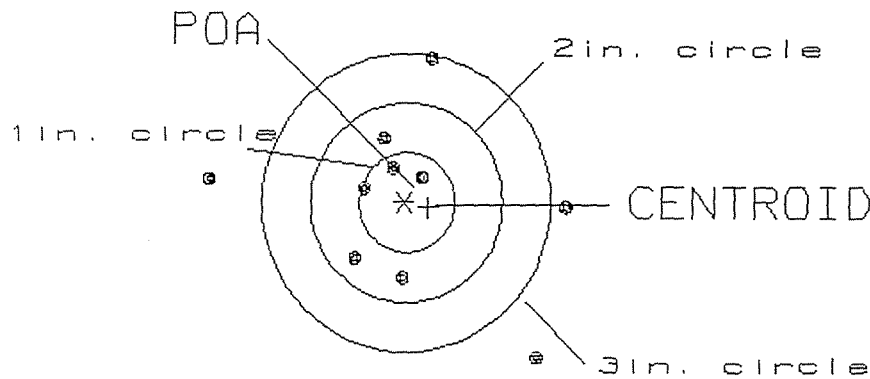
PATTERN #: 1

POA TO CENTROID: .260
 MIN RADIUS : .306
 MEAN RADIUS : 1.059
 MAX RADIUS : 2.058
 CENTROID X : -.255
 CENTROID Y : .053

8 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6587567

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.66

3

VS= 3.06

6

GS= 3.82

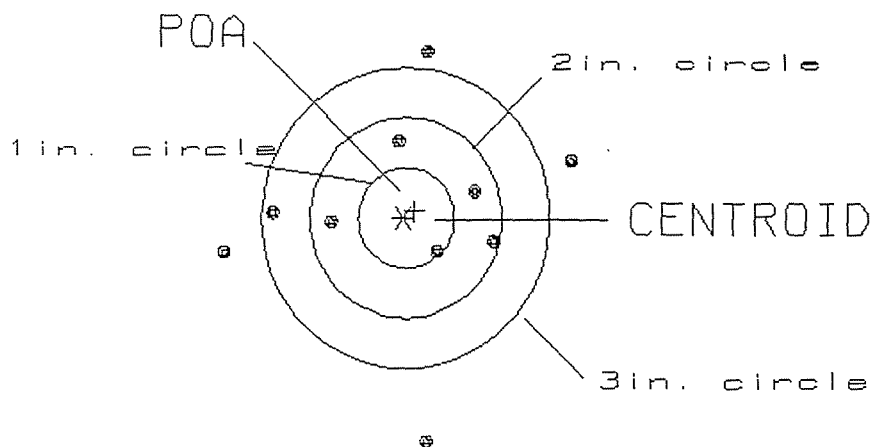
7

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .135
 MIN RADIUS : .443
 MEAN RADIUS : 1.269
 MAX RADIUS : 2.258
 CENTROID X : -.117
 CENTROID Y : -.067

8 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6587567

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.61
 VS= 3.88
 GS= 3.88

1
 5
 6

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 3

POA TO CENTROID: .195

MIN RADIUS : .192

MEAN RADIUS : .883

MAX RADIUS : 1.720

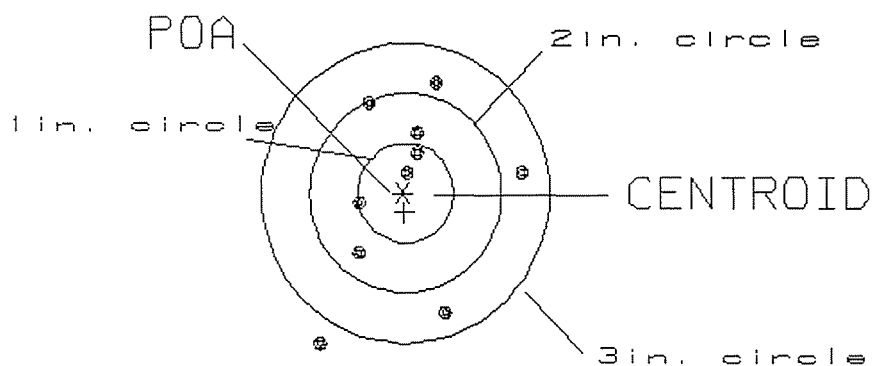
CENTROID X : -.014

CENTROID Y : .194

8 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6587567

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.06

3

VS= 2.57

6

GS= 2.02

9

REMINGTON CENTERFIRE ACCURACY TEST

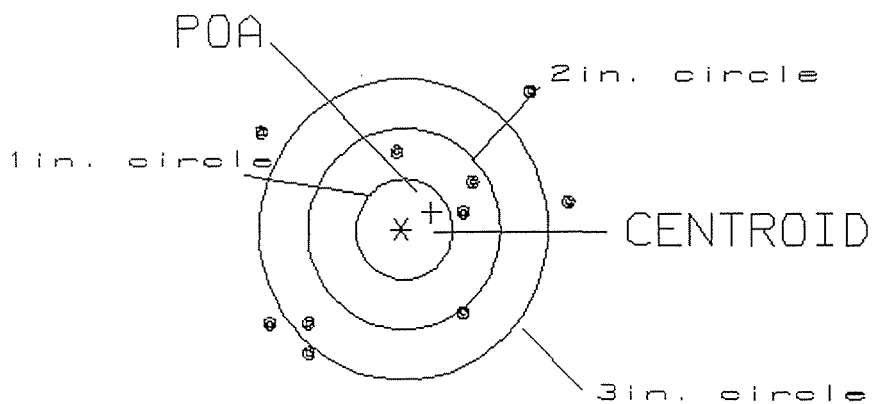
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 4
 POA TO CENTROID: .356
 MIN RADIUS : .633
 MEAN RADIUS : 1.334
 MAX RADIUS : 1.878
 CENTROID X : -.312
 CENTROID Y : -.171

8 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6587567

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.20

0

VS= 2.59

3

GS= 3.57

5

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

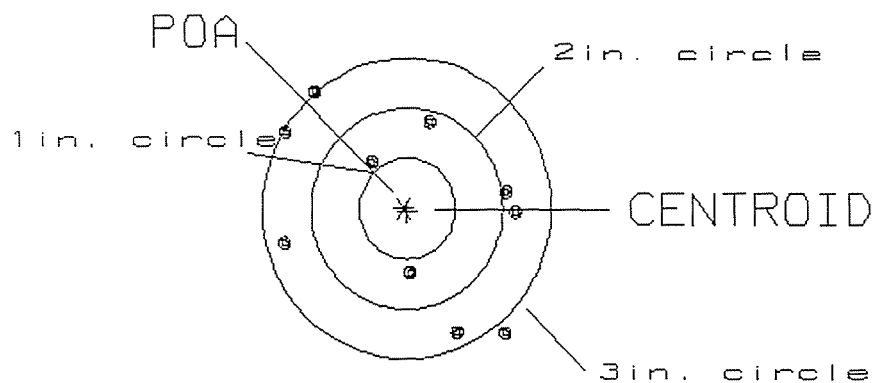
PATTERN #: 5

POA TO CENTROID: .048
 MIN RADIUS : .592
 MEAN RADIUS : 1.162
 MAX RADIUS : 1.633
 CENTROID X : -.030
 CENTROID Y : .037

8 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6587567

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.43

0

VS= 2.45

3

GS= 3.13

7

Final Inspection

S.N. C6587567

DATE REC'D: 5-12-00

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:

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

[illegible]

Remington



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

MODEL 700TM M24

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

SERIAL NO.
C6587567

ORDER NO.
5716

20



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587567

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1023	90	Rw
600	Proof	1023	90	Rw
607	Check Headspace	1023	90	Rw
610	Dis-assemble Gun	1023	90	Rw
612	Magnaflux Barrel Action		10/24/90	KR
	Magnaflux Bolt		10/24/90	KR
615	Rollmark Caliber		11	JS
617	Drill and Tap Sight Holes		10/24/90	F.B
618	Polish Barrel <i>R.B</i>		10/26/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/12/90	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/90	Rw
	C) Inspect Ejector Hole for Chamfer		11/12/90	Rw
	D) Oil Firing Pin Ass'y		11/12/90	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		11/20/90	WB

Op. #	BARBER - M24 0022866	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	3 3/4	3 3/4	3 1/2	11/21/90	WB		
	G) Safety Off Force	2	2	2	11/21/90	WB		
	H) Trigger Pull Test & Retainability				11/20/90	WB		
	I) Firing Pin Indent	.0215	.0215	.0215	11/21/90	WB		
	J) Assemble Stock				12/3/90	RW		
	K) Assemble Swivel Studs				12-7-90	928		
	L) Attach Front and Rear Sight Assemblies				12/3/90	RW		
	M) Iron Sight Alignment				12/3/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				12/3/90	RW		
	O) Attach Scope to Rifle				12/3/90	RW		
	P) Detach & Attach Scope 20 Times				12/3/90	RW		
640	Gallery Target & Test				12-3/90	KL		
	A) Time					KL		
	B) Malfunctions					KL		
	C) Pierced Primers					KL		
	D) Optical Clarity of Scope					KL		
645	Inspect for Live Ammo				12/3/90	KL		
655	Final Inspection							
	A) Headspace				12-7-90	928		
	B) Trigger Pull	235	212	219	218	219	12-7-90	928
	C) Function						12-7-90	928
660	Pack						12-7-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587567

DATE 11/20/90

TESTER WLB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.43	2.55	2.35	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.58	2.38	2.53	2.12	
PULL #3	2.57	2.39	2.56	2.19	
PULL #4	2.50	2.36	2.54	2.18	
PULL #5	2.58	2.42	2.58	2.19	
TOTAL	12.73	11.98	12.76		
AVG.	2.54	2.40	2.55		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.46	3.20		
PULL #2	3.21	3.24		
PULL #3	3.20	3.15		
PULL #4	3.21	3.27		
PULL #5	3.16	3.22		
TOTAL	15.96	16.08		
AVG.	3.19	3.21		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.22		4.24
PULL #2	4.21	4.27		4.21
PULL #3	4.26	4.23		4.23
PULL #4	4.30	4.21		4.13
PULL #5	4.25	4.14		4.09
TOTAL	21.21	21.07		20.90
AVG.	4.24	4.21		4.18

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587567
4 Dec 1990

CENTROIDAL DISTANCES

Ø TO	1	.131137
1 TO	2	.254283
1 TO	3	.313555
1 TO	4	.257391
1 TO	5	.117614

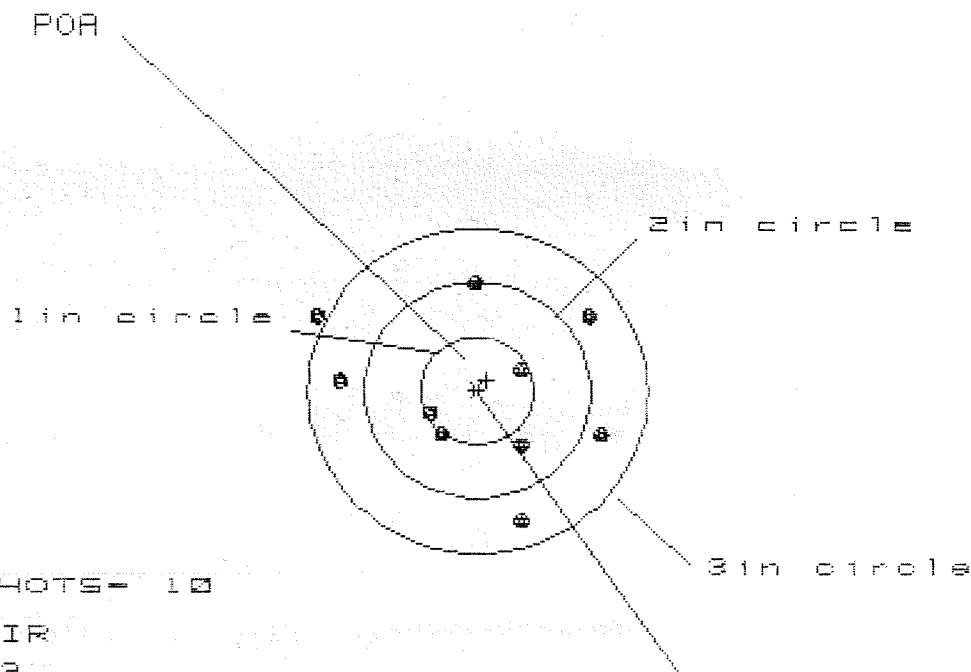
34 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1606
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0408
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .165702
THE AMR FOR THIS RIFLE IS: 1.136

4 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587567

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.502

VS= 2.218

GS= 2.763

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.099

.943

.969

MINIMUM X

-1.403

-1.329

-1.303

MAXIMUM Y

.999

1.081

.939

MINIMUM Y

-1.219

-1.137

-.514

CENTROID X

-.086

.070

.044

CENTROID Y

-.099

-.181

-.039

POA TO CENTROID in.

.131

.194

.059

MIN RADIUS

.415

.411

.335

MEAN RADIUS

.945

.856

.817

MAX RADIUS

1.585

1.340

1.303

HORIZONTAL SPREAD

2.502

2.272

2.272

VERTICAL SPREAD

2.218

2.218

1.452

EXTREME SPREAD

2.763

2.331

2.331

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

5

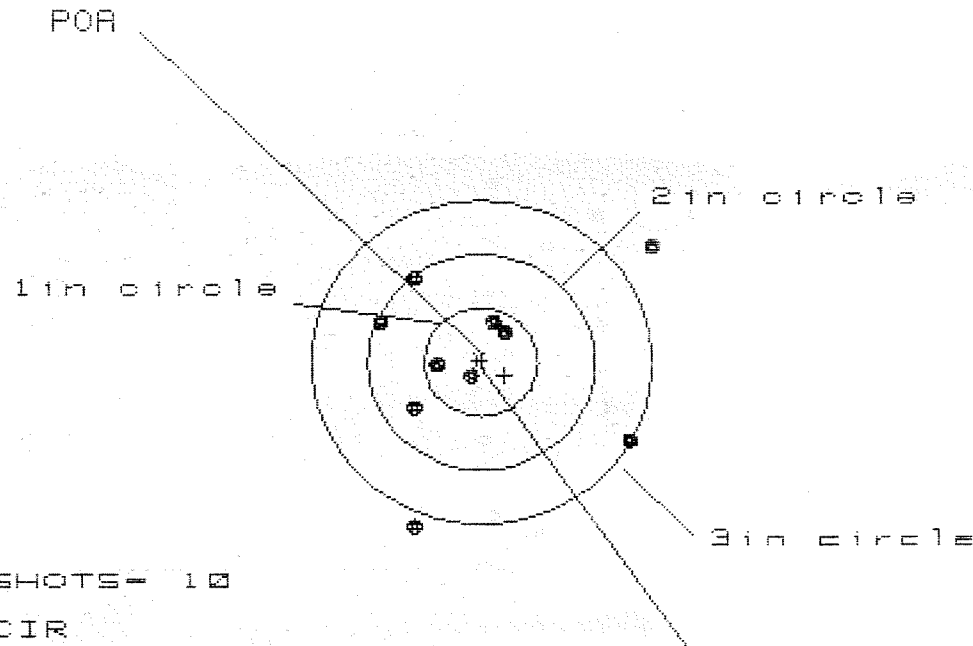
NUMBER IN THREE INCH CIRCLE =

9

4 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587567

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 8

HS= 2.399

VS= 2.609

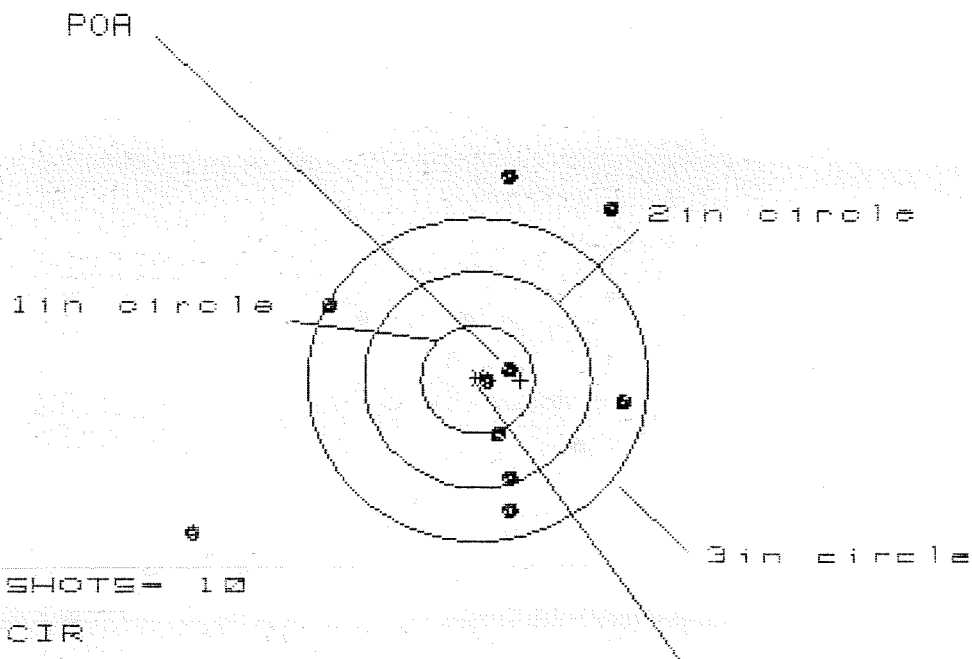
GS= 3.381

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.532	1.435	1.379
MINIMUM X	-.867	-.697	-.753
MAXIMUM Y	1.053	.907	.727
MINIMUM Y	-1.556	-1.439	-.789
CENTROID X	-.210	-.380	-.324
CENTROID Y	.123	.006	.186
POA TO CENTROID in.	.243	.380	.374
MIN RADIUS	.165	.125	.229
MEAN RADIUS	.886	.755	.643
MAX RADIUS	1.859	1.559	1.589
HORIZONTAL SPREAD	2.399	2.132	2.132
VERTICAL SPREAD	2.609	2.346	1.516
EXTREME SPREAD	3.381	2.385	2.385
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

4 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587567

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 6

HS= 3.770

VS= 3.257

GS= 4.764

CENTROID *

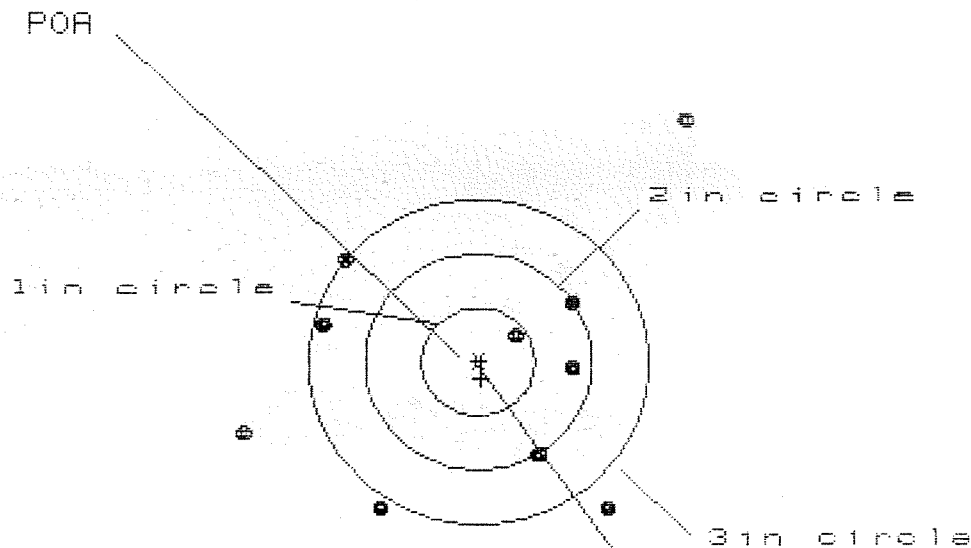
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.262	.984	1.099
MINIMUM X	:	-2.508	-1.611	-1.496
MAXIMUM Y	:	1.851	1.695	1.874
MINIMUM Y	:	-1.406	-1.372	-1.193
CENTROID X	:	-.380	-.102	-.217
CENTROID Y	:	.010	.166	-.013
POA TO CENTROID in.	:	.380	.194	.217
MIN RADIUS	:	.072	.094	.099
MEAN RADIUS	:	1.256	1.061	.927
MAX RADIUS	:	2.875	1.700	1.880
HORIZONTAL SPREAD	:	3.770	2.595	2.595
VERTICAL SPREAD	:	3.257	3.067	3.067
EXTREME SPREAD	:	4.764	3.067	3.067
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

4 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06587567

CENTERFIRE PATTERNS

4



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS= 3.983

VS= 3.586

GS= 4.916

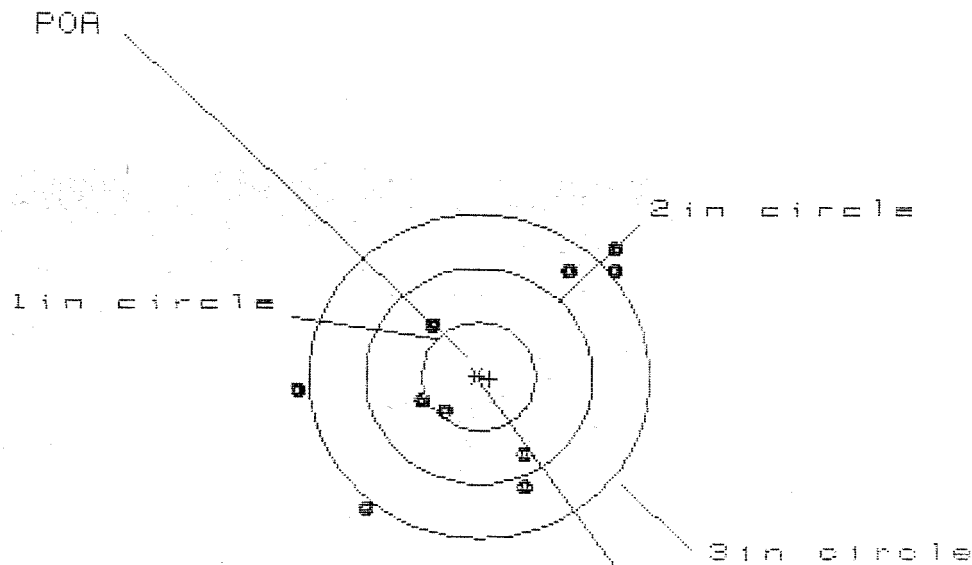
CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.876	1.362	1.125
MINIMUM X	-2.107	-1.899	-1.402
MAXIMUM Y	2.219	1.157	1.105
MINIMUM Y	-1.367	-1.121	-1.173
CENTROID X	-.029	-.237	.000
CENTROID Y	.152	-.094	-.042
POA TO CENTROID in.	.155	.255	.042
MIN RADIUS	.418	.730	.523
MEAN RADIUS	1.464	1.317	1.185
MAX RADIUS	2.905	1.944	1.623
HORIZONTAL SPREAD	3.983	3.261	2.527
VERTICAL SPREAD	3.586	2.278	2.278
EXTREME SPREAD	4.916	3.336	3.239
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		6	

4 Dec 1938

FILE:/PATTERNING/CENTERFIRE_PATT/C8587587

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 6

HS= 2.805

VS= 2.449

GS= 3.321

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.203	1.288	1.174
MINIMUM X	-1.602	-1.468	-1.582
MAXIMUM Y	1.185	1.151	1.009
MINIMUM Y	-1.264	-1.132	-0.990
CENTROID X	-0.098	-0.232	-0.118
CENTROID Y	.018	-0.114	.028
POA TO CENTROID in.	.100	.258	.122
MIN RADIUS	.496	.308	.489
MEAN RADIUS	1.129	1.028	.995
MAX RADIUS	1.688	1.699	1.588
HORIZONTAL SPREAD	2.805	2.756	2.756
VERTICAL SPREAD	2.449	2.283	1.999
EXTREME SPREAD	3.321	3.136	2.970
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	6		