

C6349097

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400107748

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Serial Number: C6349097

Model: M24 SWS



RE00084055

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349097.___0
FILE DATE AND TIME: 09/13/2004 08:24

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

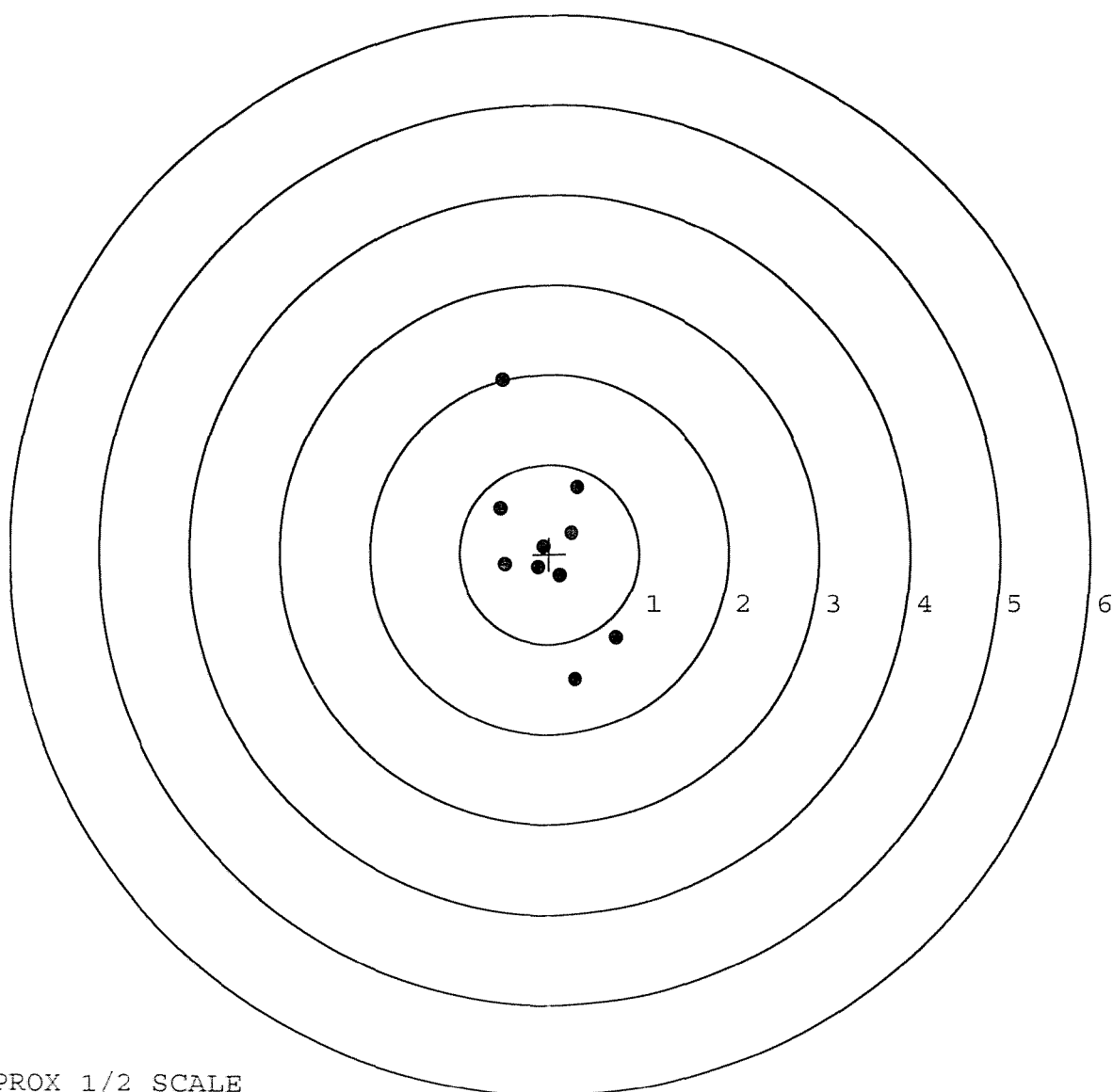
The Average X Centroid of the Five Target Set:	-0.054
The Average Y Centroid of the Five Target Set:	0.140
The Average Point of Impact of the Five Target Set:	0.149
The Average Mean Radius of the Five Target Set:	0.762
The Distance from POA to Centroid Target #1:	0.065
The Distance from Centroid Target #2 to Centroid Target #1:	0.371
The Distance from Centroid Target #3 to Centroid Target #1:	0.093
The Distance from Centroid Target #4 to Centroid Target #1:	0.060
The Distance from Centroid Target #5 to Centroid Target #1:	0.015

SERIAL NUMBER: C6349097. __0
TARGET NUMBER: 1
FILE DATE: 09/13/2004
FILE TIME: 08:24

X CENTROID: -0.002
Y CENTROID: 0.065
POA TO CENTROID: 0.065
HORZ SPREAD: 1.292
VERT SPREAD: 3.331
GROUP SPREAD: 3.431
MIN RADIUS: 0.071
MAX RADIUS: 1.940
MEAN RADIUS: 0.761

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.751	-0.938
2:	0.299	-1.397
3:	0.320	0.738
4:	-0.522	1.934
5:	-0.541	0.505
6:	-0.494	-0.120
7:	0.251	0.233
8:	-0.070	0.085
9:	0.116	-0.240
10:	-0.128	-0.152



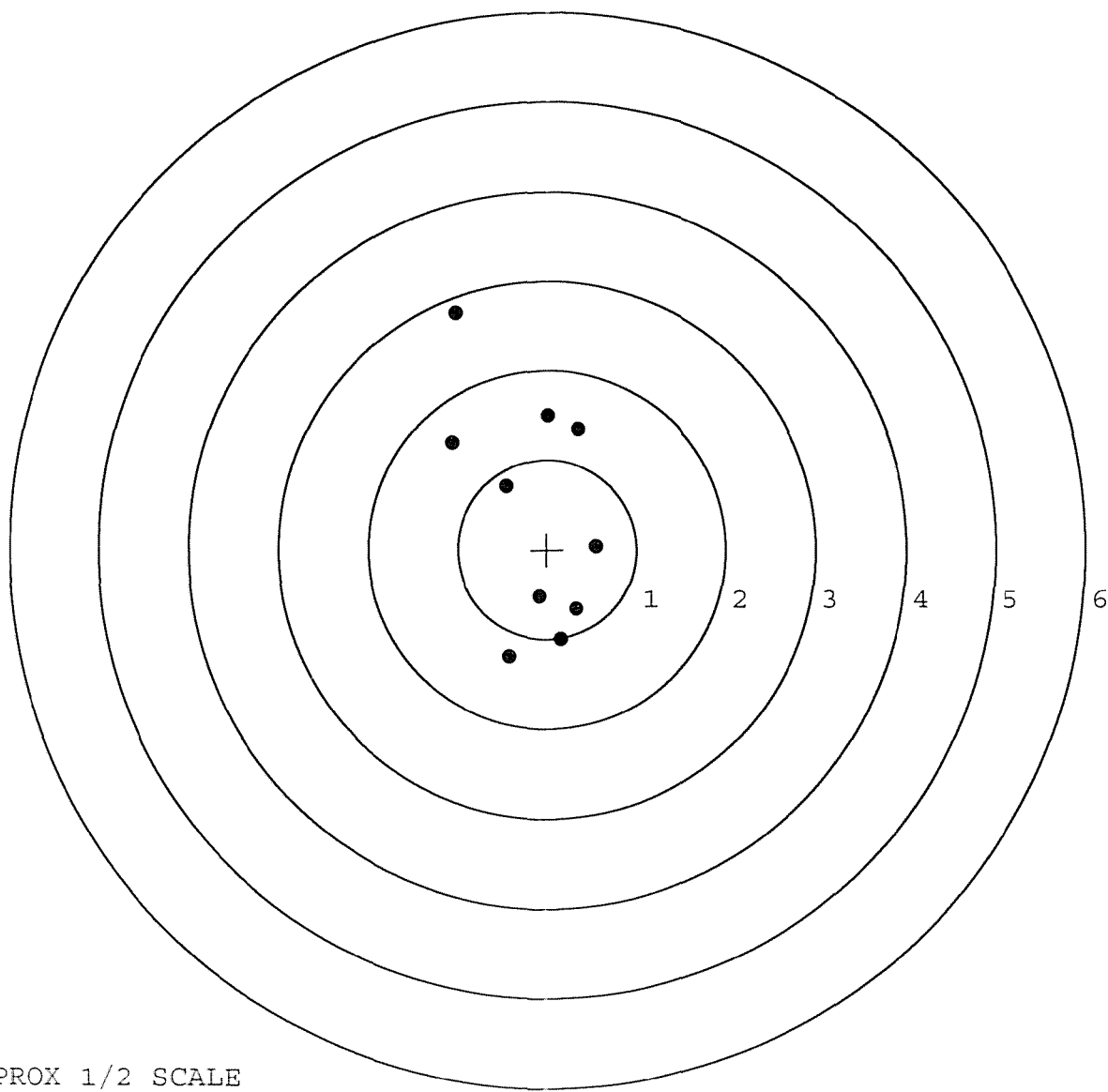
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349097. __0
TARGET NUMBER: 2
FILE DATE: 09/13/2004
FILE TIME: 08:24

X CENTROID: -0.165
Y CENTROID: 0.398
POA TO CENTROID: 0.431
HORZ SPREAD: 1.609
VERT SPREAD: 3.842
GROUP SPREAD: 3.890
MIN RADIUS: 0.424
MAX RADIUS: 2.402
MEAN RADIUS: 1.217

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.164	-1.013
2:	-0.423	-1.205
3:	0.338	-0.670
4:	-0.083	-0.527
5:	0.548	0.039
6:	0.347	1.338
7:	0.007	1.487
8:	-0.457	0.705
9:	-1.061	1.186
10:	-1.033	2.637

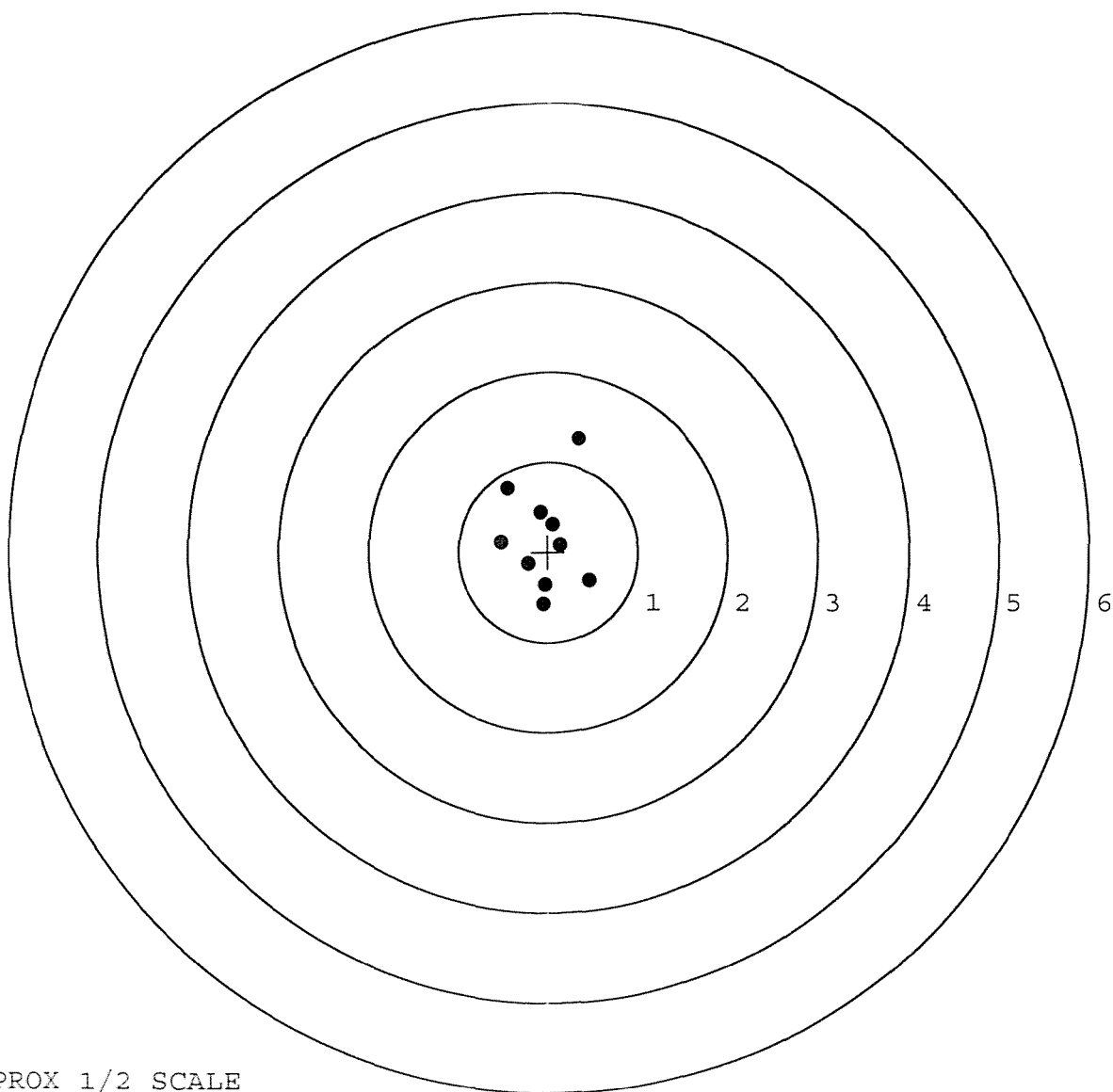


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349097. __0
TARGET NUMBER: 3
FILE DATE: 09/13/2004
FILE TIME: 08:24

X CENTROID: -0.039
Y CENTROID: 0.150
POA TO CENTROID: 0.155
HORZ SPREAD: 0.984
VERT SPREAD: 1.845
GROUP SPREAD: 1.888
MIN RADIUS: 0.177
MAX RADIUS: 1.173
MEAN RADIUS: 0.527
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.345	1.259
2:	-0.457	0.705
3:	0.462	-0.309
4:	-0.057	-0.586
5:	-0.522	0.107
6:	-0.092	0.435
7:	0.048	0.305
8:	0.140	0.078
9:	-0.034	-0.363
10:	-0.220	-0.127



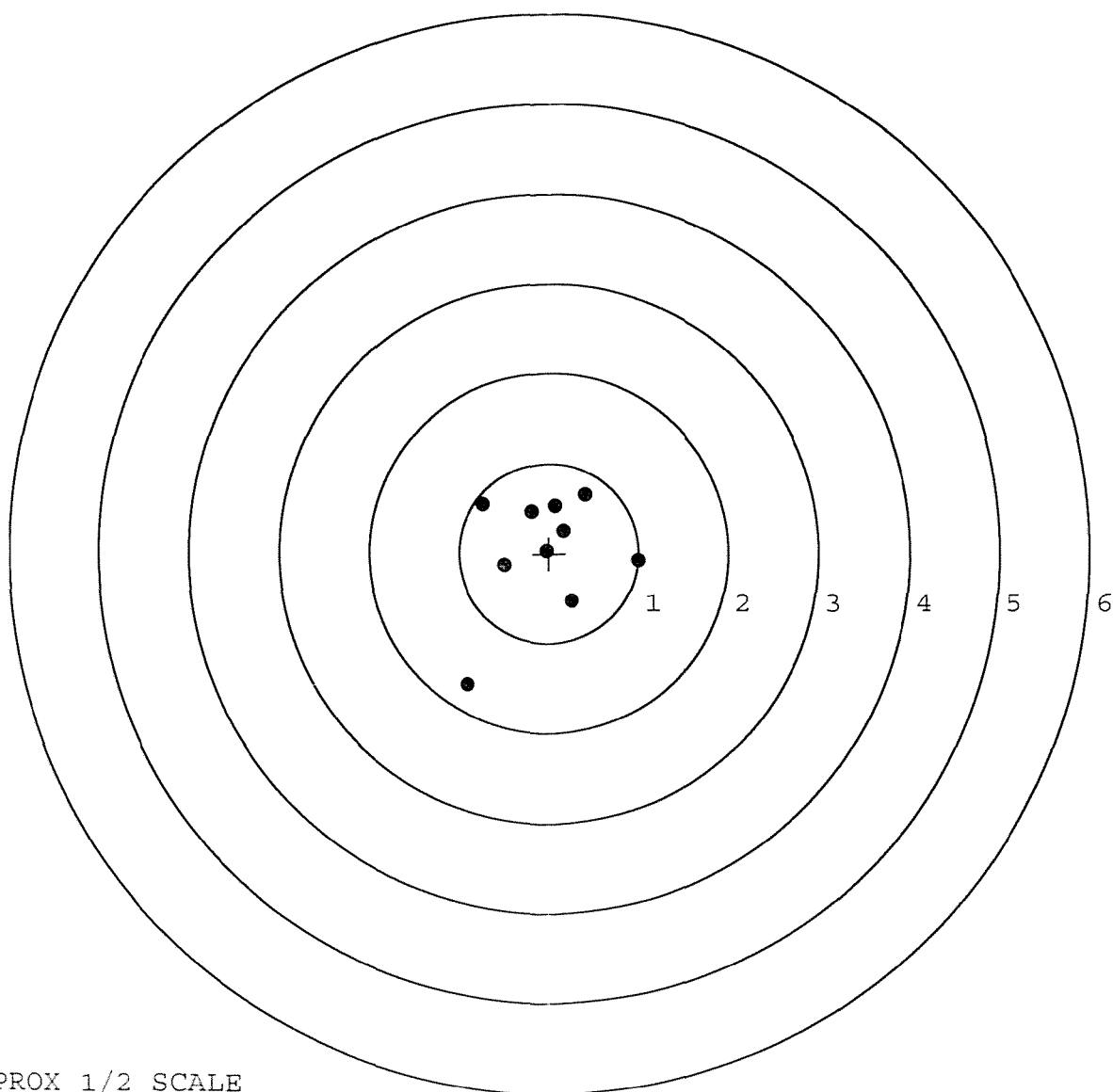
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349097. __0
TARGET NUMBER: 4
FILE DATE: 09/13/2004
FILE TIME: 08:24

X CENTROID: -0.045
Y CENTROID: 0.024
POA TO CENTROID: 0.051
HORZ SPREAD: 1.903
VERT SPREAD: 2.117
GROUP SPREAD: 2.493
MIN RADIUS: 0.015
MAX RADIUS: 1.723
MEAN RADIUS: 0.684

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.999	-0.083
2:	0.264	-0.536
3:	-0.904	-1.470
4:	-0.738	0.545
5:	-0.496	-0.139
6:	0.413	0.647
7:	0.161	0.249
8:	0.072	0.532
9:	-0.194	0.470
10:	-0.031	0.027

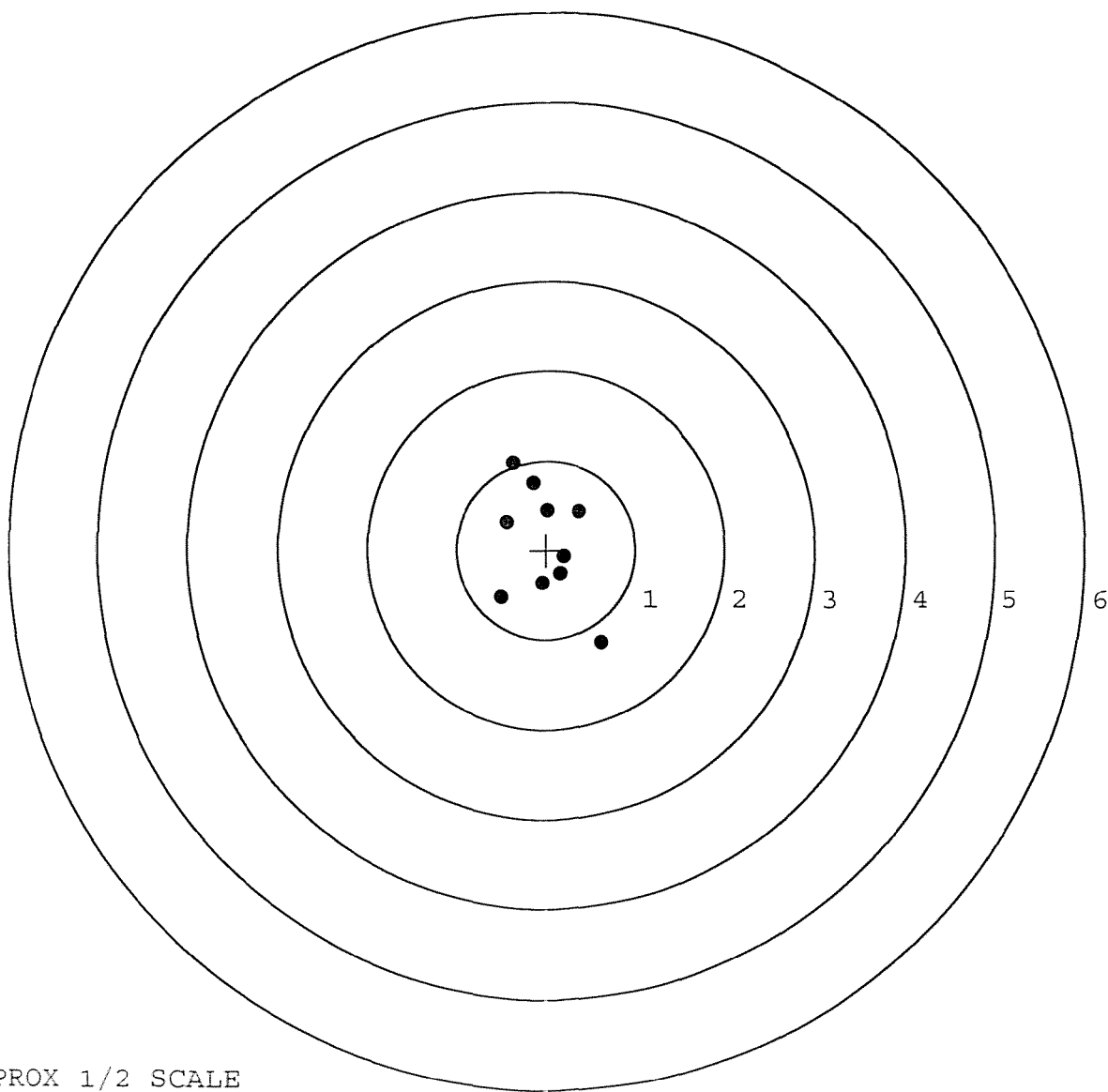


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349097. __0
TARGET NUMBER: 5
FILE DATE: 09/13/2004
FILE TIME: 08:24

X CENTROID: -0.016
Y CENTROID: 0.061
POA TO CENTROID: 0.063
HORZ SPREAD: 1.130
VERT SPREAD: 2.016
GROUP SPREAD: 2.250
MIN RADIUS: 0.255
MAX RADIUS: 1.276
MEAN RADIUS: 0.620
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.626	-1.042
2:	-0.504	-0.536
3:	0.364	0.431
4:	0.013	0.444
5:	-0.446	0.309
6:	-0.149	0.748
7:	-0.373	0.974
8:	0.199	-0.076
9:	0.159	-0.269
10:	-0.052	-0.375



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	84055		
SERIAL NUMBER	C60349097		
LOG-IN DATE	8-20-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-26-04	RTL
560 A	RE-BARREL	8-26-04	RTL
B	DRILL AND TAP	9-1-04	TRW
575	ASSEMBLE MAGNA-FLUX	8-26-04	RTL
600	PROOF INSPECTED	8-30-04	RTL
605	CHECK HEADSPACE	8-30-04	RTL
610	DIS-ASSEMBLE GUN	8-31-04	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	9/3/04	B
618	ROTO-BLAST	9-3-04	LB
620	APPLY COATINGS	9/7/04	HP
625 A	FINAL ASSEMBLY	9-9-04	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	9-13-04	
655	FINAL INSPECT	9-14-04	RTL
660	PACK	10-5-04	RA
		SHIP DATE	
QAR INSPECTION DATE			

Repair Number: **RE00018537** Serial: C6349097 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: Closed 12/6/00 11:35:56 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **GSC 10TH SFG(A) ELM** **GSC 10TH SFG(A) ELM**

Address 1: **ATTN: CPL BRIKEN (719) 524-3199** **ATTN: CPL BRIKEN (719) 524-3199**

Address 2: **PD Box** **PD 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: 719 524 3199 Fax: Email: Comments: ATTN: CPL BRIKEN	Received Condition: Poor Condition Notes: CSH Notes:	Accessories Received <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Stud</td> <td>1</td> </tr> <tr> <td>A016</td> <td>Scope Mounts</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A026</td> <td>Scope</td> <td>1</td> </tr> </tbody> </table>			Code	Desc	Qty	A007	With Stud	1	A016	Scope Mounts	1	A017	Scope Base	1	A026	Scope	1
Code	Desc	Qty																	
A007	With Stud	1																	
A016	Scope Mounts	1																	
A017	Scope Base	1																	
A026	Scope	1																	

Repair Search Refresh Close

1/4/01 8:27 AM NUM

Start Na Inb Mi SA SA Th Ex Pa Isr 8:27 AM

C- 6349097

Final Inspection

Sn: C6349097 DATE REC'D: 12-6-00 DATE RET'D:

Auditor: C/K

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 Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6349097
15 Jan 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0062
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0914
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .09161

THE AMR FOR THIS RIFLE IS: .997

CENTROIDAL DISTANCES

0	TO	1	.274804
1	TO	2	.387186
1	TO	3	.241897
1	TO	4	.340266
1	TO	5	.333768

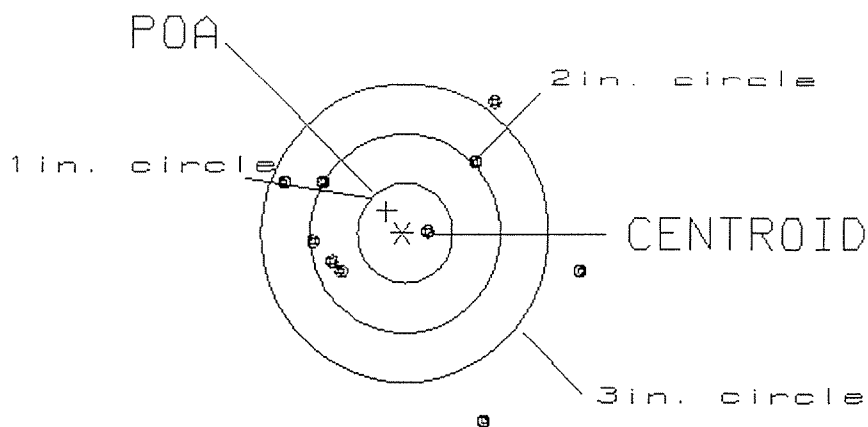
5²
3¹ 4 <----POA

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .275
 MIN RADIUS : .270
 MEAN RADIUS : 1.178
 MAX RADIUS : 2.077
 CENTROID X : .166
 CENTROID Y : -.219

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349097.1.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.13
 VS= 3.21
 GS= 3.26

1
 5
 7

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .228

MIN RADIUS : .605

MEAN RADIUS : 1.101

MAX RADIUS : 1.837

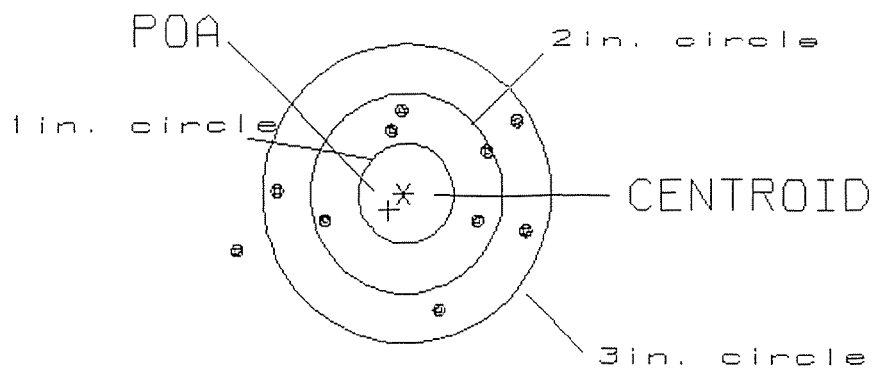
CENTROID X : .154

CENTROID Y : .168

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349097.1.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.95

0

VS= 2.02

5

GS= 3.12

5

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .168

MIN RADIUS : .513

MEAN RADIUS : 1.093

MAX RADIUS : 2.626

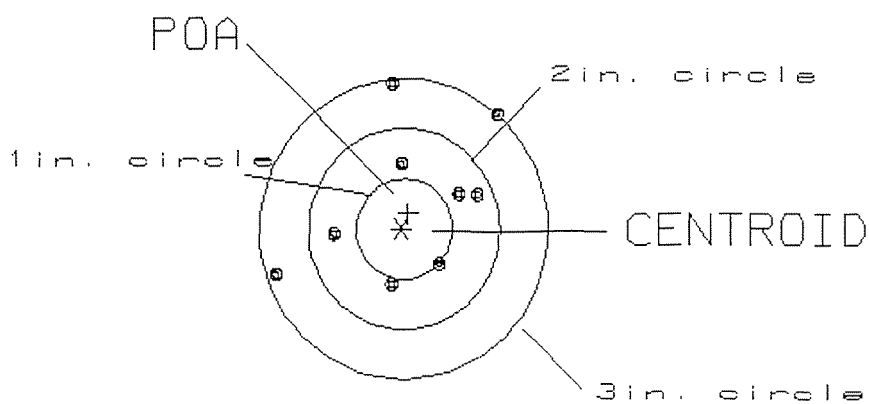
CENTROID X : -.067

CENTROID Y : -.154

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349097.1.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.33

0

VS= 4.09

6

GS= 4.09

9

REMINGTON CENTERFIRE ACCURACY TEST

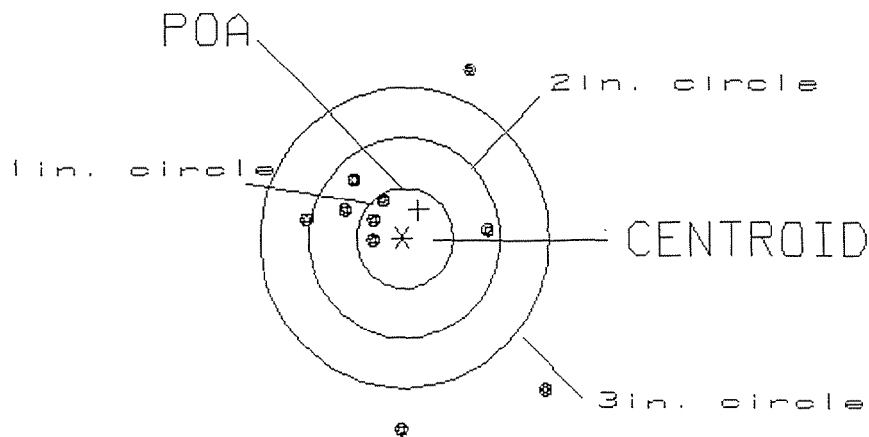
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .330
 MIN RADIUS : .347
 MEAN RADIUS : 1.055
 MAX RADIUS : 2.112
 CENTROID X : -.168
 CENTROID Y : -.284

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349097.1.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.49

3

VS= 3.65

6

GS= 3.73

7

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 5

POA TO CENTROID: .063

MIN RADIUS : .297

MEAN RADIUS : .558

MAX RADIUS : .953

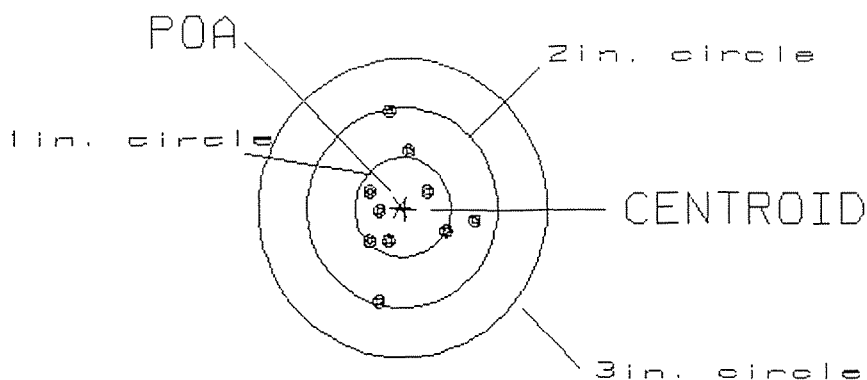
CENTROID X : -.054

CENTROID Y : .032

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349097.1.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 1.11

6

VS= 1.62

10

GS= 1.83

10

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6349097
10 Jan 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.025
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1408
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .143002

THE AMR FOR THIS RIFLE IS: 1.301

CENTROIDAL DISTANCES

0	TO	1	.934427
1	TO	2	1.53798
1	TO	3	.934427
1	TO	4	.934427
1	TO	5	.934427

8 <----POA
2

1

REMINGTON CENTERFIRE ACCURACY TEST

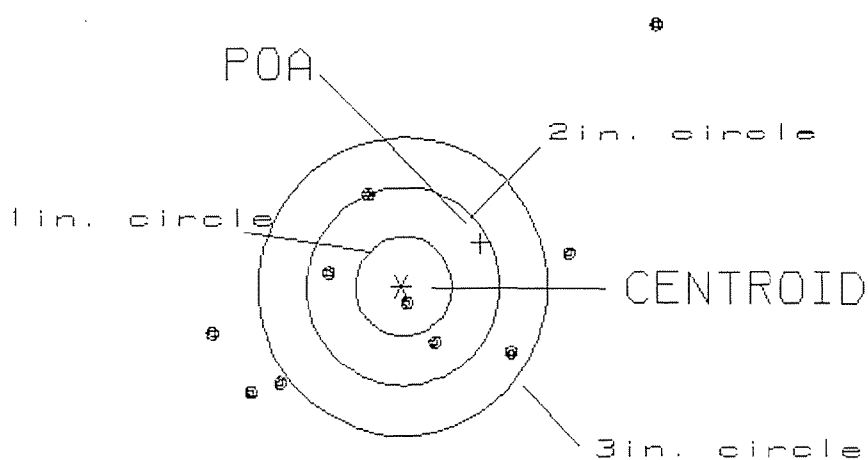
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .935
 MIN RADIUS : .209
 MEAN RADIUS : 1.493
 MAX RADIUS : 3.760
 CENTROID X : -.827
 CENTROID Y : -.435

10 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349097.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 4.66
 VS= 3.68
 GS= 5.60

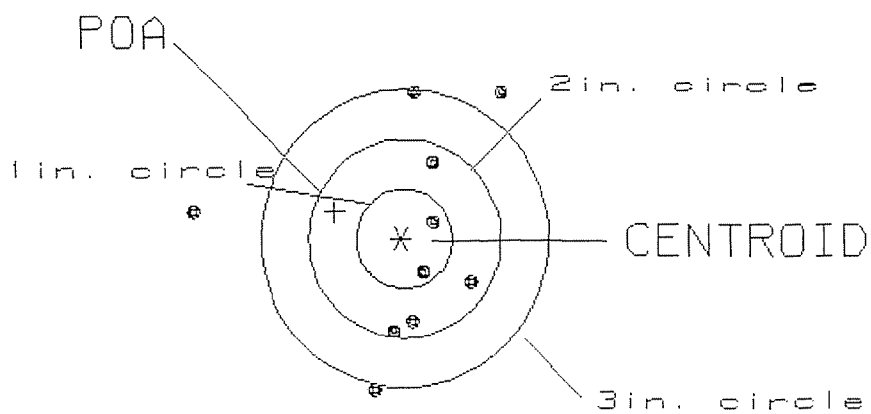
1
 3
 5

PATTERN #: 2
 POA TO CENTROID: .752
 MIN RADIUS : .307
 MEAN RADIUS : 1.102
 MAX RADIUS : 2.181
 CENTROID X : .702
 CENTROID Y : -.269

10 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349097.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.15

2

VS= 2.92

6

GS= 3.35

7

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

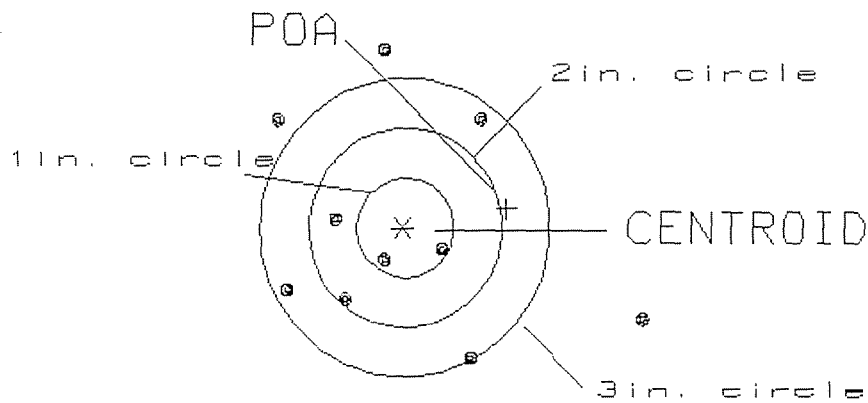
PATTERN #: ☐ 3 ☐

POA TO CENTROID: 1.097
 MIN RADIUS : .379
 MEAN RADIUS : 1.273
 MAX RADIUS : 2.600
 CENTROID X : -1.081
 CENTROID Y : -.187

10 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349097.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.74

2

VS= 3.05

4

GS= 4.22

7

REMINGTON CENTERFIRE ACCURACY TEST

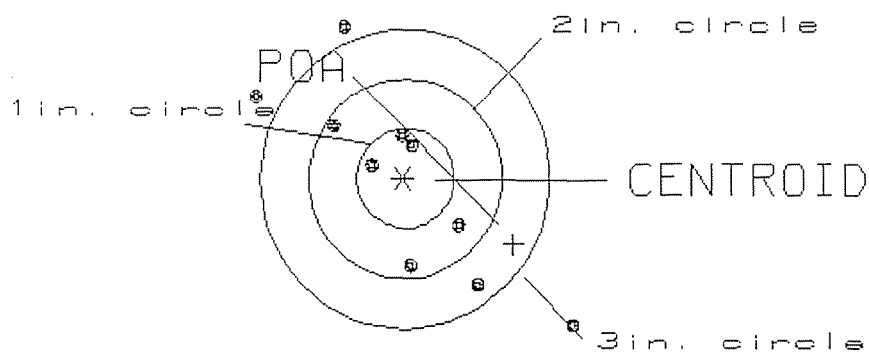
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 4
 POA TO CENTROID: 1.336
 MIN RADIUS : .362
 MEAN RADIUS : 1.071
 MAX RADIUS : 2.284
 CENTROID X : -1.156
 CENTROID Y : .670

10 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349097.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.28

3

VS= 2.98

6

GS= 4.02

7

REMINGTON CENTERFIRE ACCURACY TEST

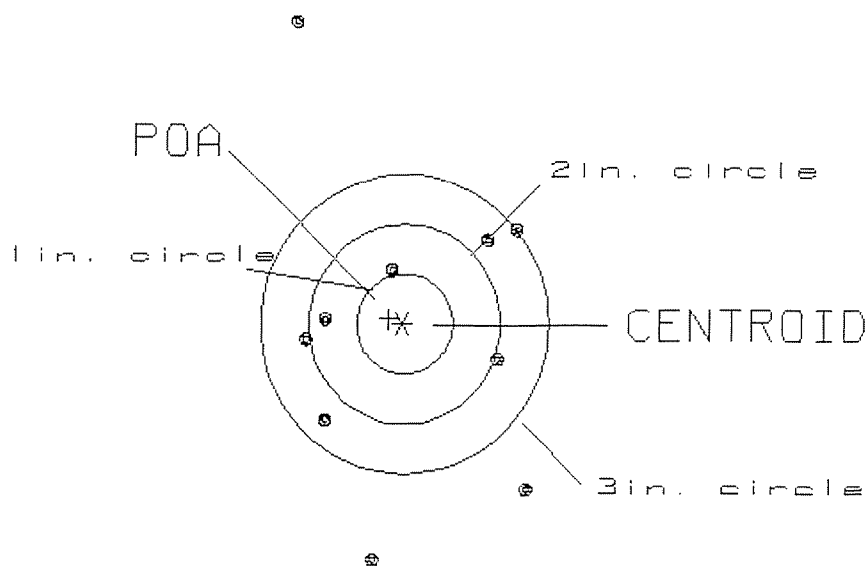
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 5
 POA TO CENTROID: .141
 MIN RADIUS : .581
 MEAN RADIUS : 1.522
 MAX RADIUS : 3.275
 CENTROID X : .133
 CENTROID Y : -.047

10 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349007.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.36

0

VS= 5.43

2

GS= 5.49

6

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6349097
3 Jan 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.394
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.8326
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .921118
THE AMR FOR THIS RIFLE IS: 1.333

CENTROIDAL DISTANCES

0 TO	1	1.09005
1 TO	2	1.1796
1 TO	3	.161012
1 TO	4	.313944
1 TO	5	2.20104

5

+ <----POA

1 3

4

2

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐

POA TO CENTROID: 1.090

MIN RADIUS : .431

MEAN RADIUS : 1.422

MAX RADIUS : 2.067

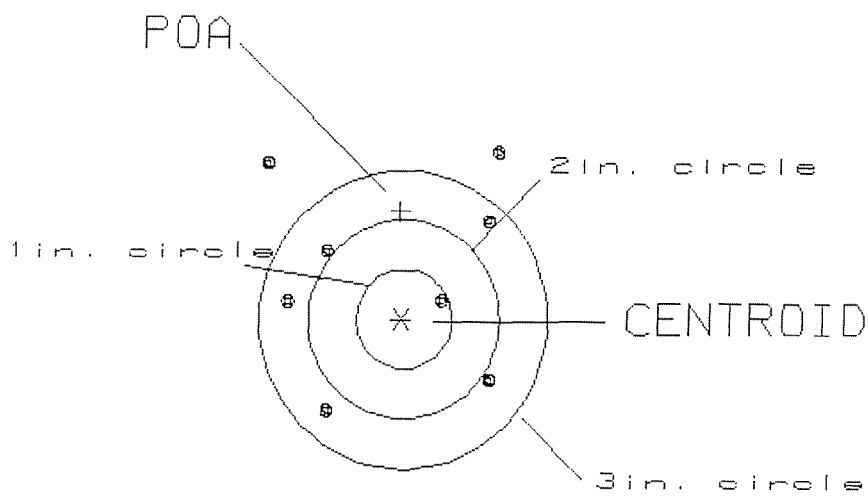
CENTROID X : .010

CENTROID Y : -1.090

3 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349097

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.34

1

VS= 3.53

1

GS= 4.02

6

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

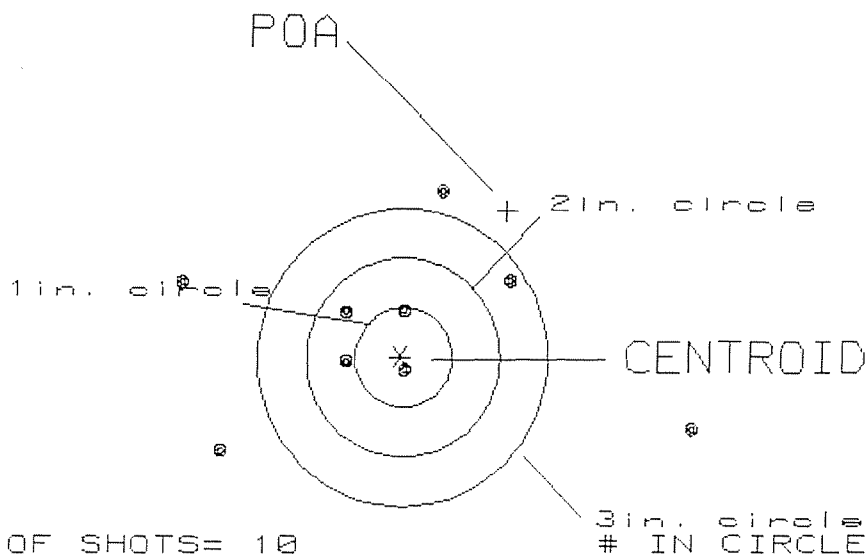
PATTERN #: 2

POA TO CENTROID: 1.843
 MIN RADIUS : .099
 MEAN RADIUS : 1.500
 MAX RADIUS : 3.098
 CENTROID X : -1.105
 CENTROID Y : -1.475

3 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349097

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 5.33
 VS= 3.91
 GS= 5.53

2
 4
 5

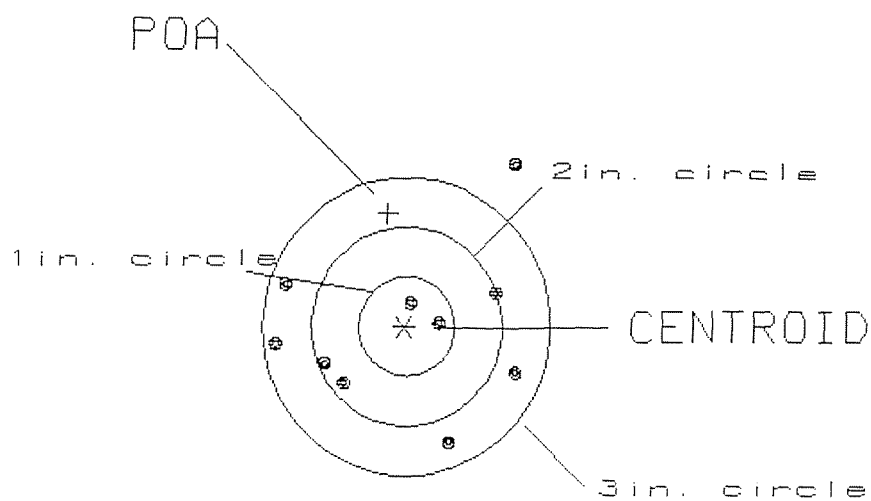
PATTERN #: ☐ 3 ☐

POA TO CENTROID: 1.148
 MIN RADIUS : .228
 MEAN RADIUS : 1.049
 MAX RADIUS : 2.025
 CENTROID X : .164
 CENTROID Y : -1.137

3 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349097

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.48
 US= 2.80
 GS= 3.05

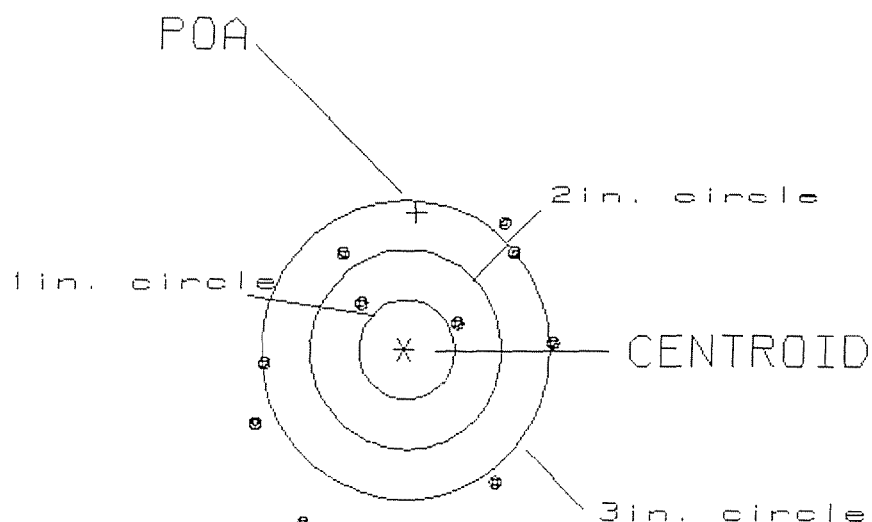
2
 5
 3

PATTERN #: [4]
 POA TO CENTROID: 1.377
 MIN RADIUS : .619
 MEAN RADIUS : 1.412
 MAX RADIUS : 2.067
 CENTROID X : -.130
 CENTROID Y : -1.371

3 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349097

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.10
 VS= 3.00
 GS= 3.67

0
 2
 3

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

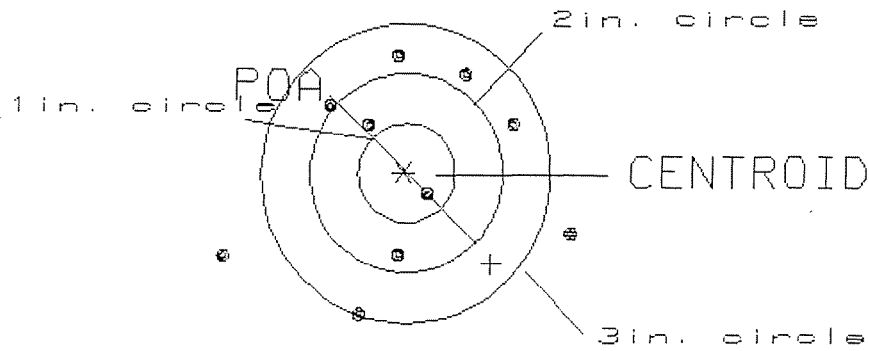
PATTERN #: ☐ 5 ☐

POA TO CENTROID: 1.287
 MIN RADIUS : .358
 MEAN RADIUS : 1.181
 MAX RADIUS : 2.069
 CENTROID X : -.909
 CENTROID Y : .910

3 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349097

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.64
 VS= 2.56
 GS= 3.65

1
 3
 8

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	<i>Ream Ejector hole</i> <i>Polish Ejector</i> <i>12/8/89</i>	<i>Ru</i>
TEST		
TGT		
PROOF	<i>Shot OK</i> <i>—</i> <i>—</i>	<i>Ru</i>
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

MOD. _____		GA. CAL. _____	GUN # _____
		CG349097	
#	DATE	MALFUNCTION/DEFECT	ASSEM. #
TEST	1st	<i>slurk burst don't eject</i>	
	4-27-89		
	2nd		
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6349097

Score 0523

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	Rw
600	Proof	10-9	89	A
607	Check Headspace	10-9	89	Rw
610	Dis-assemble Gun	10-9	89	Rw
612	Magnaflux Barrel Action	10/31/89		KCR
	Magnaflux Bolt	10/31/89		KCR
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		11-3-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11-10-89	A
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11-10-89	A
	C) Inspect Ejector Hole for Chamfer		11-10-89	A
	D) Oil Firing Pin Ass'y		11-10-89	A
	E) Adjust Trigger Pull to Min Setting and Stake		11-10-89	QDS

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	4	3	3	10 Nov 89	JS
	G) Safety Off Force	3	3	3	10 Nov 89	JS
	H) Trigger Pull Test & Retainability				10 Nov 89	JS
	I) Firing Pin Indent	.021	.021	.021	10 Nov 89	JS
	J) Assemble Stock				11-16-89	AC
	K) Assemble Swivel Studs				11 Dec 89	JS
	L) Attach Front and Rear Sight Assemblies				11-16-89	AC
	M) Iron Sight Alignment				11-16-89	AC
	N) Detach Front & Rear Sights & place in numbered container				11-16-89	AC
	O) Attach Scope to Rifle				10 Nov 89	JS
	P) Detach & Attach Scope 20 Times				16 Nov 89	JS
640	Gallery Target & Test				11-27-89	DH
	A) Time				11-27-89	DH
	B) Malfunctions				11-27-89	DH
	C) Pierced Primers				11-27-89	DH
	D) Optical Clarity of Scope				11-27-89	DH
645	Inspect for Live Ammo				11-27-89	DH
655	Final Inspection					
	A) Headspace				11 Dec 89	JS
	B) Trigger Pull	260	247	246	11 Dec 89	JS
	C) Function				11 Dec 89	JS
660	Pack				18 Dec 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. 9097

DATE 22 Mar 90

TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	249	245	240	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	243	229	243	
PULL #3	244	236	247	
PULL #4	244	240	243	
PULL #5	248	247	240	
TOTAL	1228	1197		
AVG.	2456	2394		

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	339	331	
PULL #2	329	333	
PULL #3	330	327	
PULL #4	333	328	
PULL #5	328	334	
TOTAL	1659	1653	
AVG.	3318	3306	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	400	389		
PULL #2	397	392		
PULL #3	395	392		
PULL #4	396	399		
PULL #5	389	395		
TOTAL	1977	1967		
AVG.	3954	3934		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349097
27 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.299376
1 TO	2	.142274
1 TO	3	.341541
1 TO	4	.520578
1 TO	5	.813813

5432 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0516
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1346
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .144152
THE AMR FOR THIS RIFLE IS: .9922

27 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349097

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in - 2

2 in - 5

3 in - 10

HS- 2.685

VS- 1.921

GS- 2.693

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.309	1.267	1.089
MINIMUM X	:	-1.376	-1.418	-1.415
MAXIMUM Y	:	1.388	.456	.475
MINIMUM Y	:	-.533	-.379	-.359
CENTROID X	:	.295	.338	.516
CENTROID Y	:	-.051	-.205	-.224
POA TO CENTROID in.	:	.300	.396	.562
MIN RADIUS	:	.225	.264	.190
MEAN RADIUS	:	.983	.909	.819
MAX RADIUS	:	1.441	1.427	1.493
HORIZONTAL SPREAD	:	2.685	2.685	2.504
VERTICAL SPREAD	:	1.921	.835	.835
EXTREME SPREAD	:	2.693	2.693	2.572
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

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CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.269

VS= 2.397

GS= 2.862

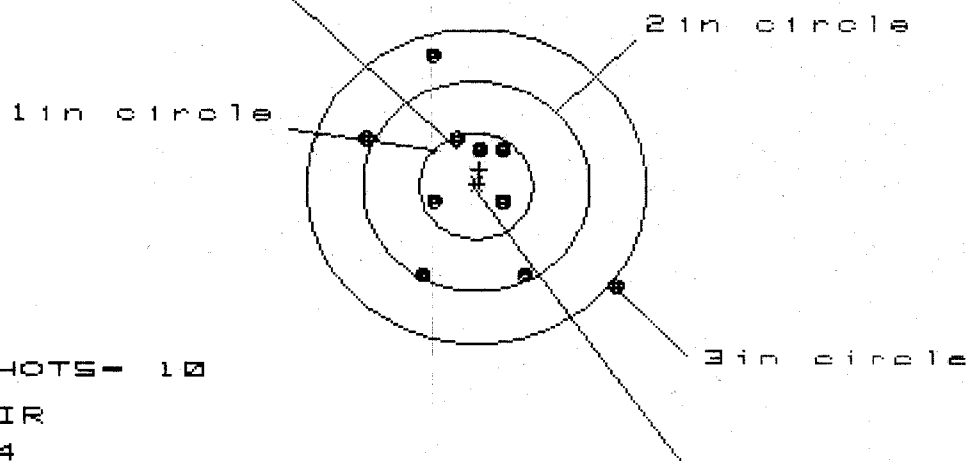
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.091	1.050	1.109
MINIMUM X	-1.178	-1.057	-.997
MAXIMUM Y	1.042	1.093	.938
MINIMUM Y	-1.355	-1.239	-1.067
CENTROID X	.206	.085	.025
CENTROID Y	-.162	-.278	-.123
POA TO CENTROID in.	.262	.291	.125
MIN RADIUS	.458	.549	.395
MEAN RADIUS	1.044	.998	.937
MAX RADIUS	1.508	1.328	1.243
HORIZONTAL SPREAD	2.269	2.107	2.107
VERTICAL SPREAD	2.397	2.332	2.005
EXTREME SPREAD	2.862	2.590	2.279
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS # 3

POA



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 2.190

VS= 2.201

GS= 2.712

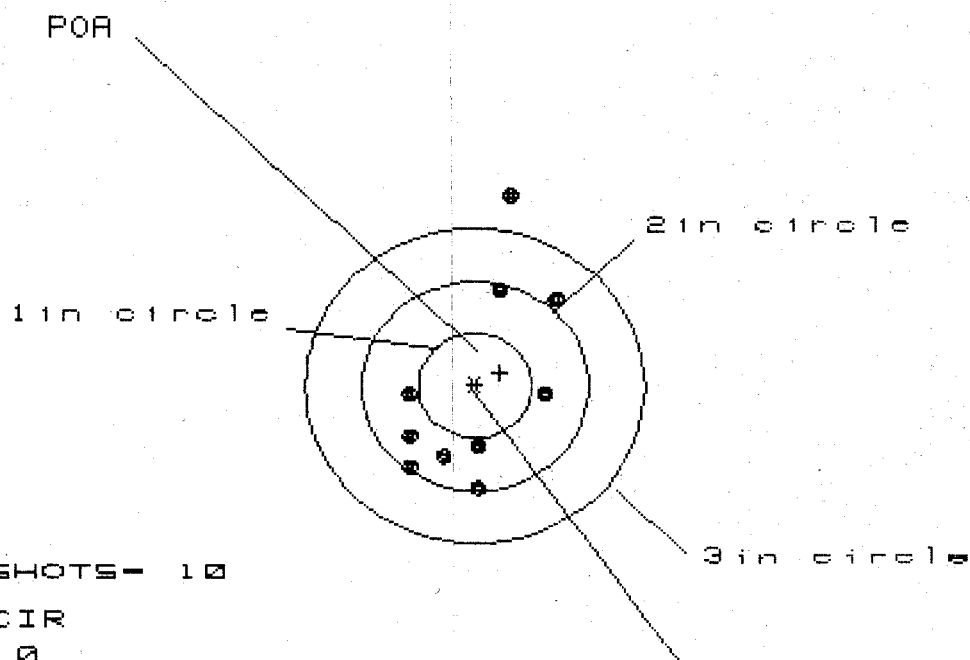
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.259	.543	.520
MINIMUM X	-.931	-.791	-.814
MAXIMUM Y	1.250	1.144	.542
MINIMUM Y	-.951	-.997	-.853
CENTROID X	-.030	-.170	-.147
CENTROID Y	-.156	-.050	-.194
POA TO CENTROID in.	.159	.178	.243
MIN RADIUS	.268	.328	.245
MEAN RADIUS	.782	.679	.620
MAX RADIUS	1.578	1.159	1.000
HORIZONTAL SPREAD	2.190	1.334	1.334
VERTICAL SPREAD	2.201	2.141	1.396
EXTREME SPREAD	2.712	2.261	1.875
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in - 0

2 in - 8

3 in - 9

HS- 1.312

VS- 2.791

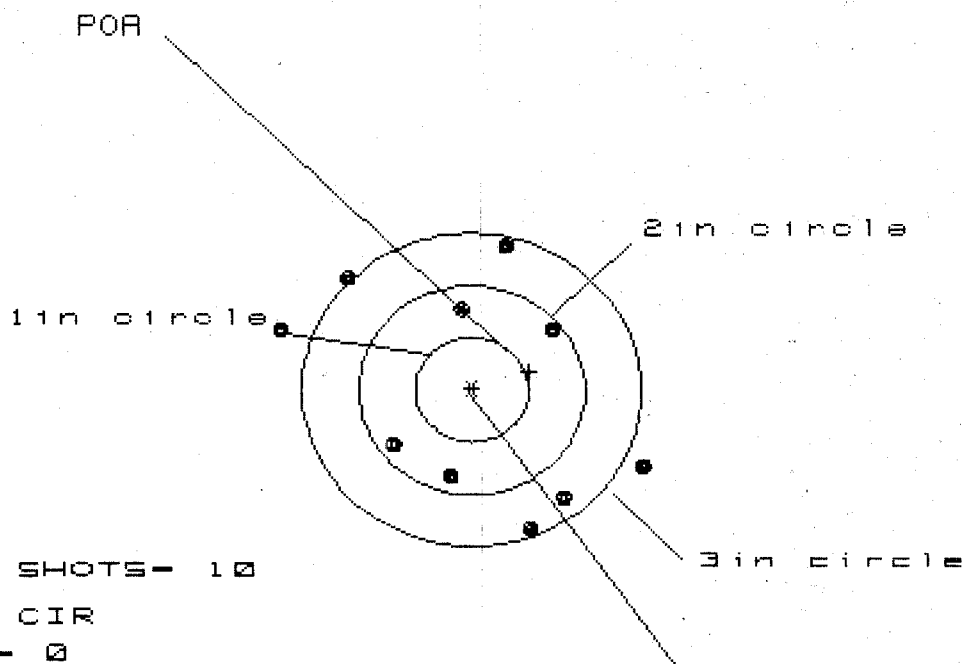
GS- 2.801

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.745	.776	.738
MINIMUM X	:	-.567	-.536	-.439
MAXIMUM Y	:	1.824	1.151	1.284
MINIMUM Y	:	-.967	-.765	-.632
CENTROID X	:	-.220	-.251	-.348
CENTROID Y	:	-.127	-.329	-.462
POA TO CENTROID in.	:	.254	.414	.578
MIN RADIUS	:	.570	.387	.300
MEAN RADIUS	:	.911	.751	.629
MAX RADIUS	:	1.844	1.315	1.327
HORIZONTAL SPREAD	:	1.312	1.312	1.177
VERTICAL SPREAD	:	2.791	1.916	1.916
EXTREME SPREAD	:	2.801	2.110	1.923
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	9		

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 8

HS= 3.244

VS= 2.675

GS= 3.489

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.537	1.347	.758
MINIMUM X	:	-1.707	-1.245	-1.077
MAXIMUM Y	:	1.347	1.415	1.339
MINIMUM Y	:	-1.328	-1.260	-1.336
CENTROID X	:	-.509	-.319	-.487
CENTROID Y	:	-.177	-.245	-.169
POA TO CENTROID in.	:	.539	.402	.516
MIN RADIUS	:	.775	.807	.771
MEAN RADIUS	:	1.241	1.165	1.115
MAX RADIUS	:	1.814	1.684	1.510
HORIZONTAL SPREAD	:	3.244	2.592	1.835
VERTICAL SPREAD	:	2.675	2.675	2.675
EXTREME SPREAD	:	3.489	3.121	2.836
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	




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

MODEL 700™ H24

SERIAL NO. C6349097

ORDER NO. 5716

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