

C6349221

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



Closed 9/28/2004 2:37:55 PM

Received From

Country US

100

Shipping / Billing

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A010	Hard Case	1
A017	Scope Bases	3

Close

SCRL

4

RE00085662

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349221.___0
FILE DATE AND TIME: 11/04/2004 08:49

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

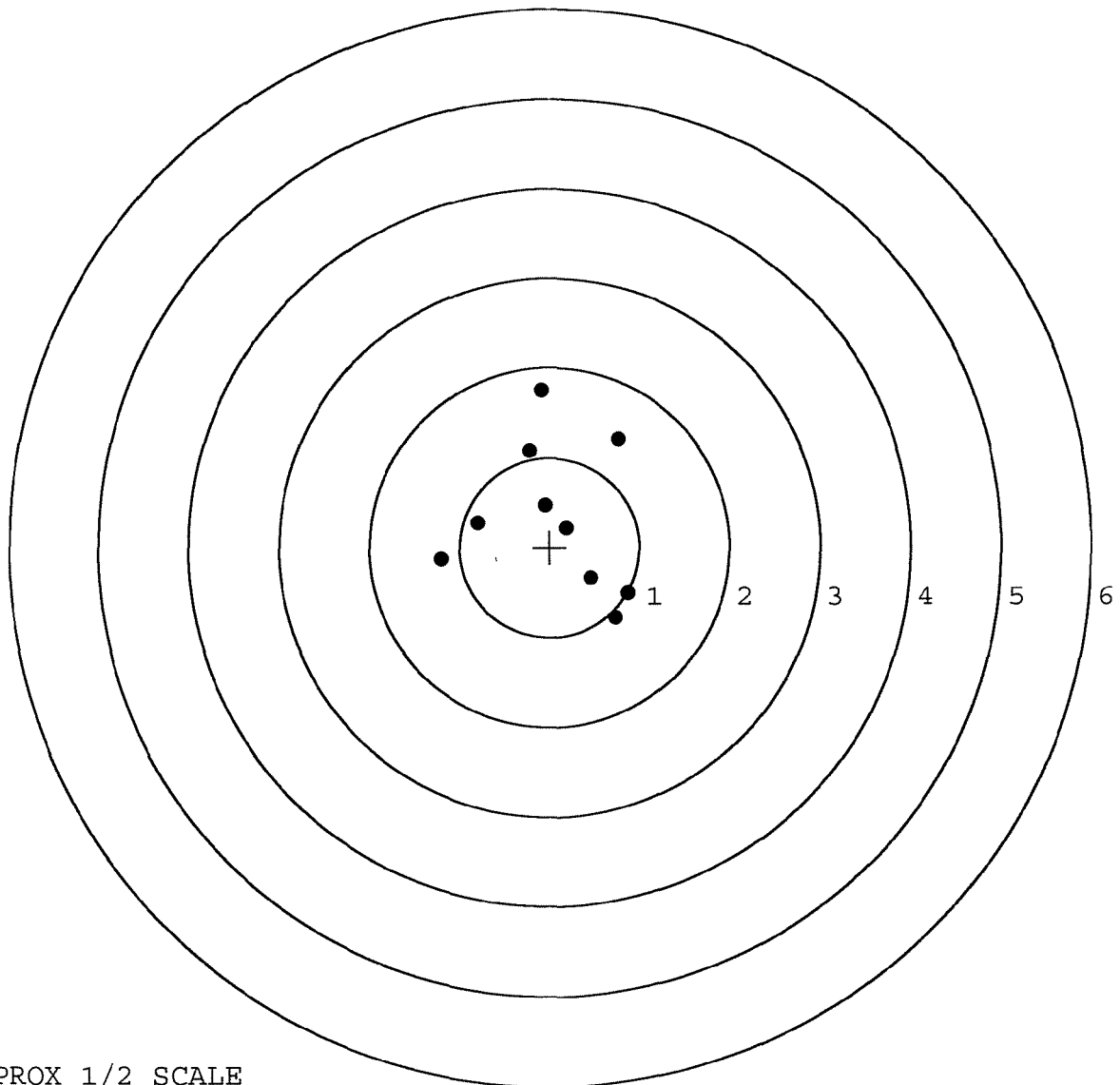
The Average X Centroid of the Five Target Set:	0.009
The Average Y Centroid of the Five Target Set:	0.044
The Average Point of Impact of the Five Target Set:	0.045
The Average Mean Radius of the Five Target Set:	0.808
The Distance from POA to Centroid Target #1:	0.328
The Distance from Centroid Target #2 to Centroid Target #1:	0.408
The Distance from Centroid Target #3 to Centroid Target #1:	0.315
The Distance from Centroid Target #4 to Centroid Target #1:	0.341
The Distance from Centroid Target #5 to Centroid Target #1:	0.368

BARBER - M24 0110436

SERIAL NUMBER: C6349221. __0
TARGET NUMBER: 1
FILE DATE: 11/04/2004
FILE TIME: 08:49

POINT#	X	Y
1:	0.877	-0.514
2:	0.734	-0.787
3:	0.464	-0.342
4:	0.191	0.216
5:	-0.049	0.470
6:	-0.801	0.277
7:	-1.202	-0.135
8:	0.769	1.206
9:	-0.093	1.743
10:	-0.220	1.075

X CENTROID: 0.067
Y CENTROID: 0.321
POA TO CENTROID: 0.328
HORZ SPREAD: 2.079
VERT SPREAD: 2.530
GROUP SPREAD: 2.662
MIN RADIUS: 0.162
MAX RADIUS: 1.431
MEAN RADIUS: 0.917
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10



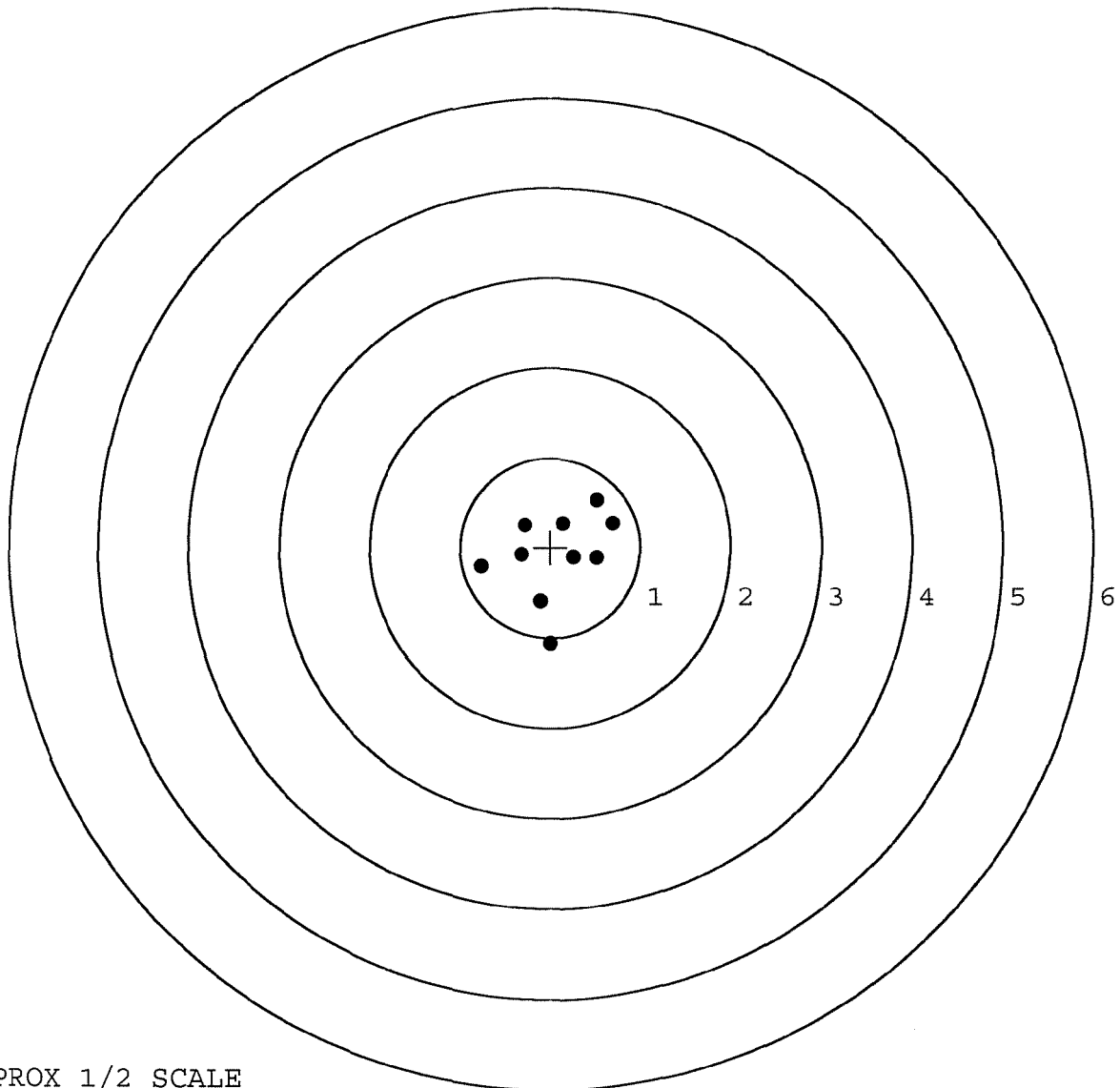
TARGET APPROX 1/2 SCALE

BARBER - M24 0110437

SERIAL NUMBER: C6349221. 0
TARGET NUMBER: 2
FILE DATE: 11/04/2004
FILE TIME: 08:49

POINT#	X	Y
1:	0.004	-1.070
2:	-0.112	-0.605
3:	-0.772	-0.213
4:	0.521	0.533
5:	0.698	0.269
6:	0.143	0.270
7:	-0.281	0.249
8:	-0.319	-0.085
9:	0.265	-0.107
10:	0.523	-0.115

X CENTROID: 0.067
Y CENTROID: -0.087
POA TO CENTROID: 0.110
HORZ SPREAD: 1.470
VERT SPREAD: 1.603
GROUP SPREAD: 1.684
MIN RADIUS: 0.199
MAX RADIUS: 0.985
MEAN RADIUS: 0.577
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



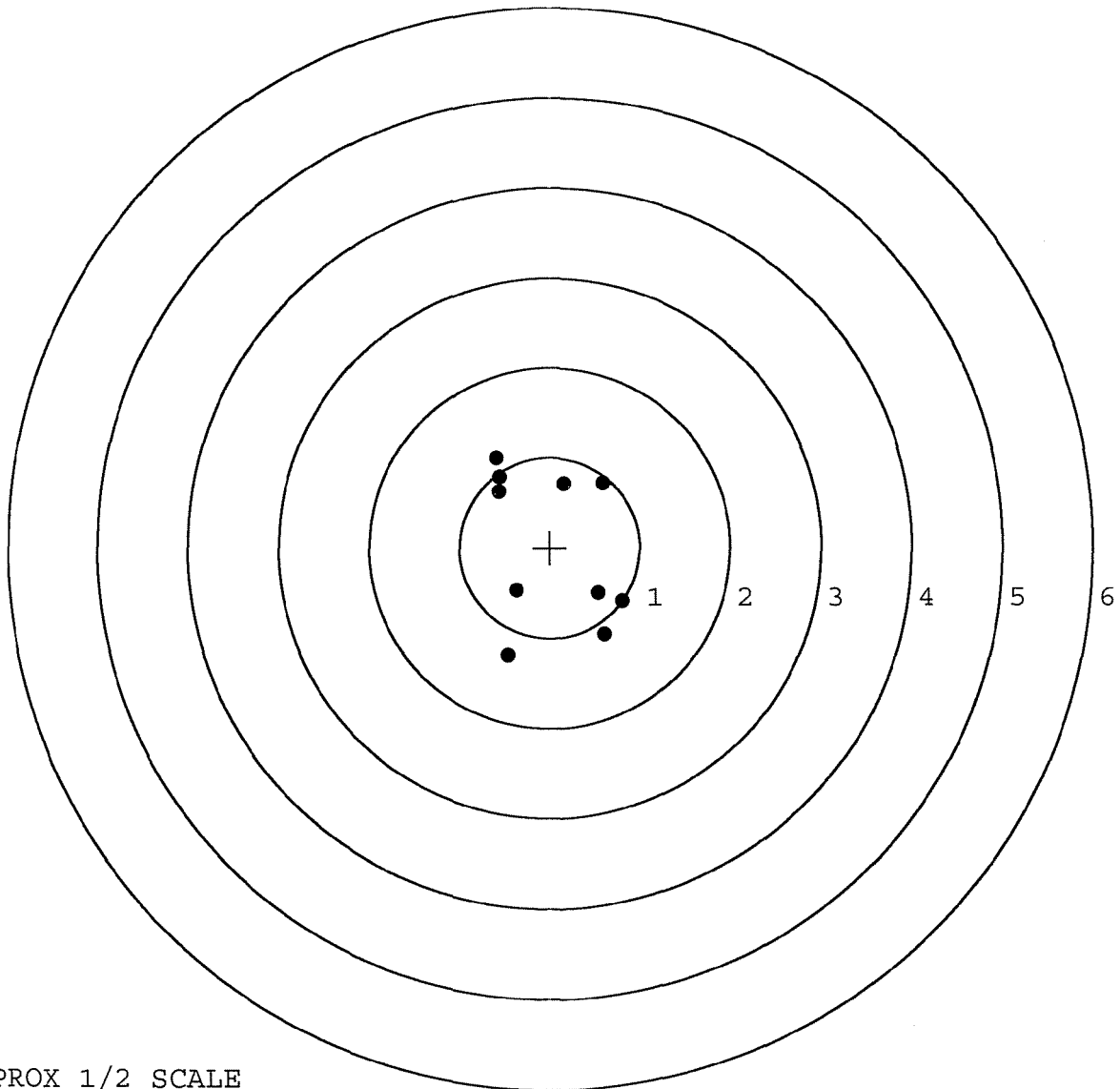
TARGET APPROX 1/2 SCALE

BARBER - M24 0110438

SERIAL NUMBER: C6349221.____0
TARGET NUMBER: 3
FILE DATE: 11/04/2004
FILE TIME: 08:49

POINT#	X	Y
1:	0.809	-0.596
2:	0.607	-0.961
3:	0.540	-0.503
4:	-0.370	-0.475
5:	-0.466	-1.195
6:	0.597	0.716
7:	0.163	0.708
8:	-0.592	0.999
9:	-0.558	0.781
10:	-0.566	0.625

X CENTROID: 0.016
Y CENTROID: 0.010
POA TO CENTROID: 0.019
HORZ SPREAD: 1.401
VERT SPREAD: 2.194
GROUP SPREAD: 2.198
MIN RADIUS: 0.620
MAX RADIUS: 1.298
MEAN RADIUS: 0.938
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

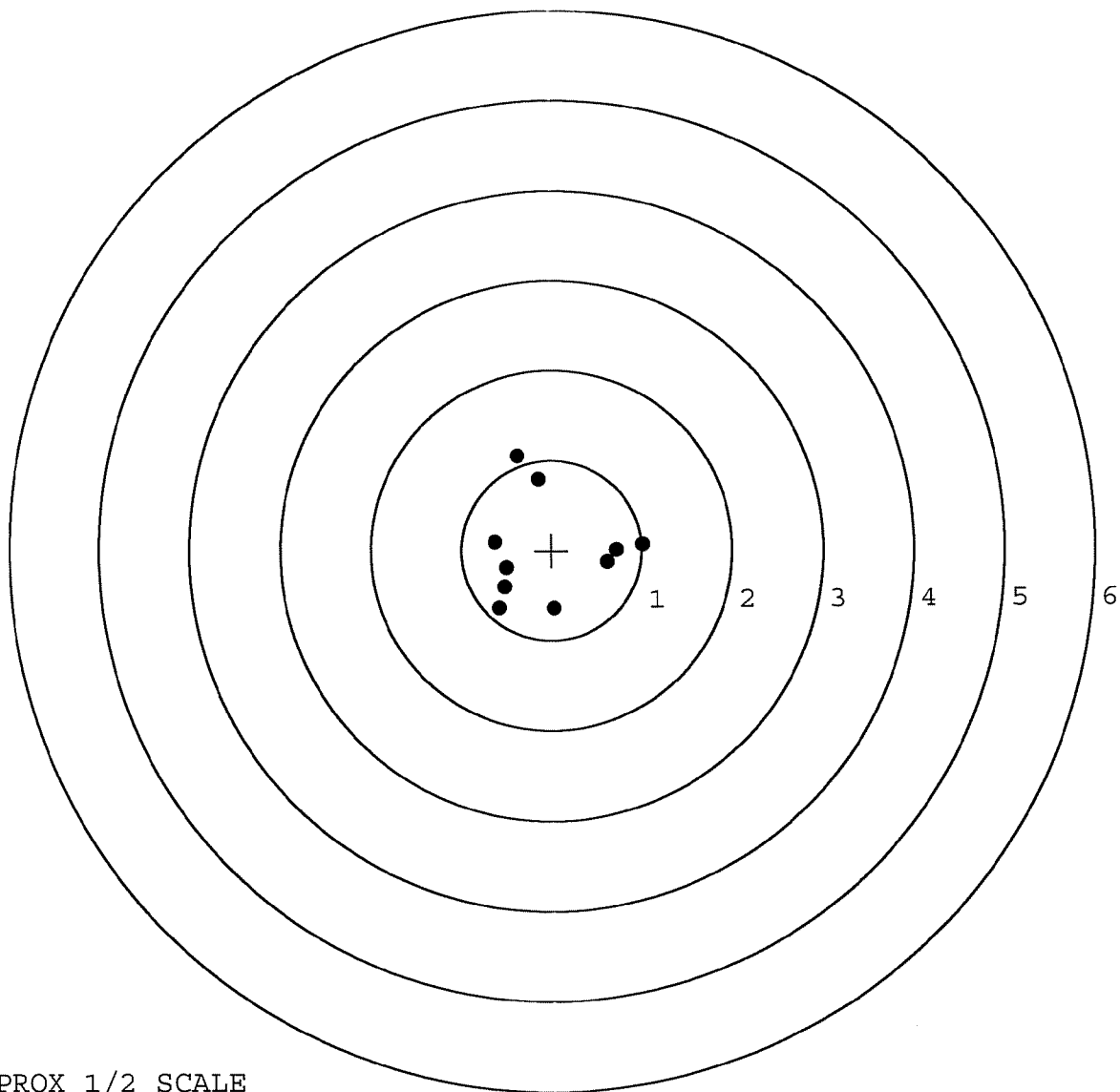
BARBER - M24 0110439

SERIAL NUMBER: C6349221. __0
TARGET NUMBER: 4
FILE DATE: 11/04/2004
FILE TIME: 08:49

X CENTROID: -0.036
Y CENTROID: -0.004
POA TO CENTROID: 0.036
HORZ SPREAD: 1.641
VERT SPREAD: 1.702
GROUP SPREAD: 1.750
MIN RADIUS: 0.505
MAX RADIUS: 1.107
MEAN RADIUS: 0.763

IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.011	0.063
2:	0.725	-0.001
3:	0.625	-0.136
4:	0.033	-0.652
5:	-0.144	0.793
6:	-0.375	1.050
7:	-0.630	0.098
8:	-0.581	-0.645
9:	-0.525	-0.407
10:	-0.502	-0.199



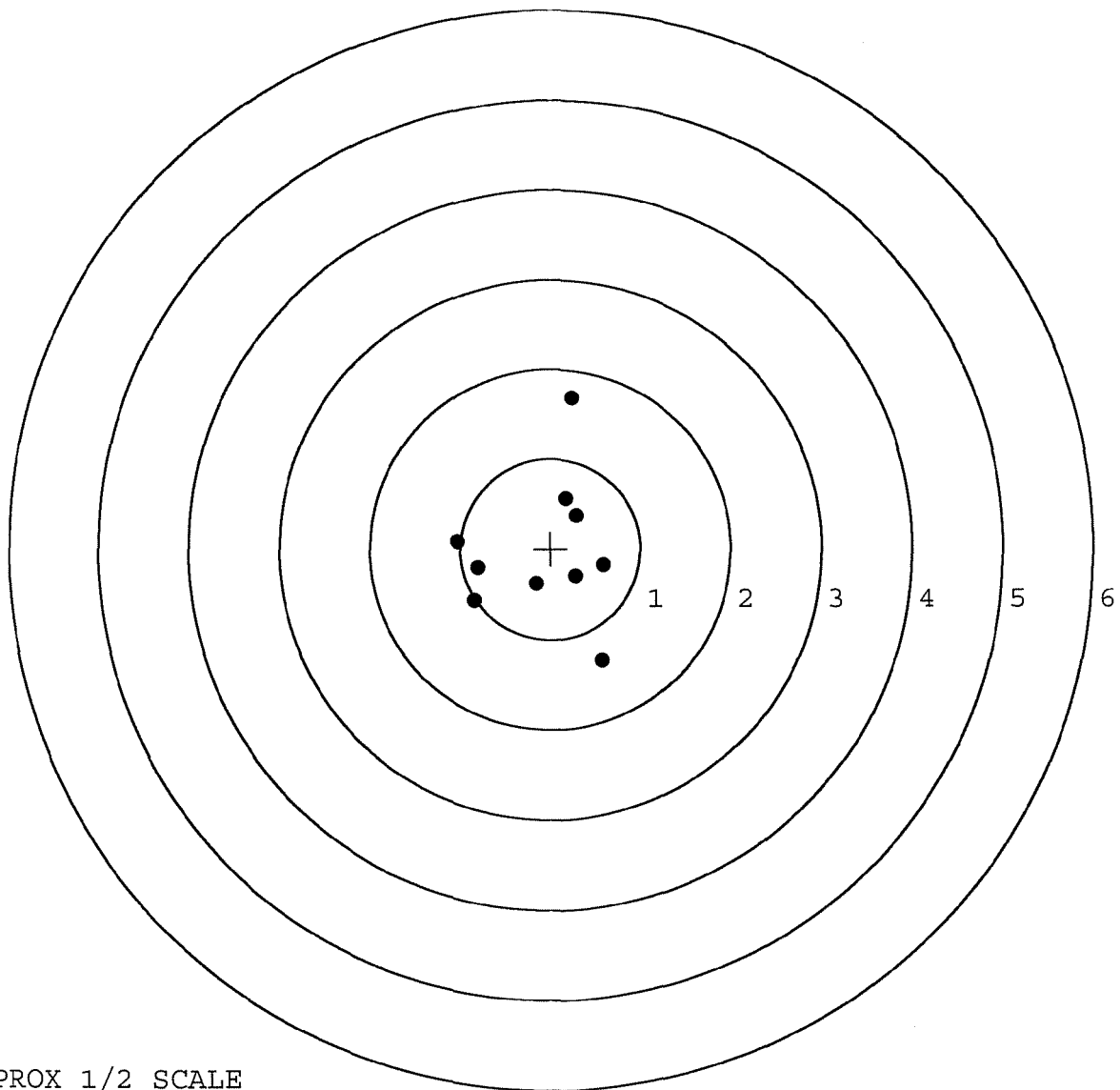
TARGET APPROX 1/2 SCALE

BARBER - M24 0110440

SERIAL NUMBER: C6349221.____0
TARGET NUMBER: 5
FILE DATE: 11/04/2004
FILE TIME: 08:49

POINT#	X	Y
1:	0.586	-1.235
2:	0.594	-0.182
3:	0.286	-0.306
4:	-0.159	-0.387
5:	-0.853	-0.571
6:	-0.811	-0.211
7:	-1.040	0.082
8:	0.291	0.367
9:	0.177	0.556
10:	0.246	1.679

X CENTROID: -0.068
Y CENTROID: -0.021
POA TO CENTROID: 0.071
HORZ SPREAD: 1.634
VERT SPREAD: 2.914
GROUP SPREAD: 2.934
MIN RADIUS: 0.377
MAX RADIUS: 1.729
MEAN RADIUS: 0.848
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
BARBER - M24 0110441
2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. _____

DATE 10-25-04

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.36	2.05		2.08	
PULL #2	2.50	2.14		2.10	
PULL #3	2.28	2.10		2.07	
PULL #4	2.22	2.03		2.12	
PULL #5	2.16	2.02		2.12	
TOTAL	11.52	10.34		10.49	
AVERAGE	2.30	2.06		2.09	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.04	3.02		
PULL #2	3.13	2.99		
PULL #3	3.17	3.08		
PULL #4	3.16	3.06		
PULL #5	3.12	3.06		
TOTAL	15.62	15.21		
AVERAGE	3.12			

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.30	4.22		4.44
PULL #2	4.38	4.20		4.46
PULL #3	4.40	4.14		4.44
PULL #4	4.39	4.12		4.45
PULL #5	4.38	4.15		4.44
TOTAL	21.85	20.83		22.23
AVERAGE	4.37	4.16		4.44

[illegible]

R & E NUMBER	85662		
SERIAL NUMBER	C 6349221		
LOG-IN DATE	9-28-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-6-04	AC
560 A	RE-BARREL	10-7-04	K
B	DRILL AND TAP	10-12-04	TRW
575	ASSEMBLE	10-8-04	RTZ
600	PROOF	10-11-04	AC
605	CHECK HEADSPACE	10-12-04	RTZ
610	DIS-ASSEMBLE GUN	10-12-04	RTZ
612	MAGNAFLUX		
615	ROLLMARK CALIBER	10/13/04	CD
618	ROTO-BLAST	10/14/04	LB
620	APPLY COATINGS	10/25/04	HP
625 A	FINAL ASSEMBLY	10-27-04	RTZ
B	TRIGGER PULL TEST	11-8-04	RTZ
C	SAFETY "ON" FORCE	11-8-04	RTZ
D	SAFETY "OFF" FORCE	11-8-04	RTZ
E	FIRING PIN INDENT	11-8-04	
640	TARGET	11-4-04	TRW
655	FINAL INSPECT	11-8-04	RTZ
660	PACK	11-8-04	RTZ
		SHIP DATE	
QAR INSPECTION DATE			

BARBER - M24 0110444

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

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

MODEL 700™ H24

SERIAL NO.
C6349221

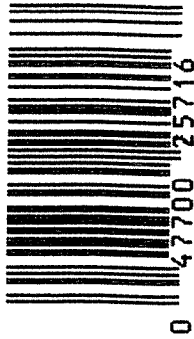
ORDER NO.
5716

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

Ø1

5716 C6349221

LPC



CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0110444 10483

Replaced

GUN SERIAL # C6349221

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 12 90		RW
600	Proof	1 12 90		A
607	Check Headspace	1 12 90		A
610	Dis-assemble Gun	1 12 90		RW
612	Magnaflux Barrel Action	1-16-90		KCR
	Magnaflux Bolt	1-17-90		KCR
615	Rollmark Caliber	1-17-90		GS
617	Drill and Tap Sight Holes	1-19-90		GS
618	Polish Barrel RB	1-22-90		WB
620	Apply Coatings (Barrel Action)		2-8-90	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		2/1/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/1/90	RW
	C) Inspect Ejector Hole for Chamfer		2/1/90	RW
	D) Oil Firing Pin Ass'y		2/1/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		3/1/90	GS

op. #	BARBER - M24 0110446 OP. NAME	READINGS				DATE	INIT
625 cont.	F) Safety On Force	6	6	6		2-1-90	JH
	G) Safety Off Force	3	3	3		2-1-90	JH
	H) Trigger Pull Test & Retainability					3/10/90	JH
	I) Firing Pin Indent	.0205	.0205	.021		2-1-90	JH
	J) Assemble Stock					2/26/90	RW
	K) Assemble Swivel Studs					3/13/90	WB
	L) Attach Front and Rear Sight Assemblies					2/26/90	RW
	M) Iron Sight Alignment					2/26/90	RW
	N) Detach Front & Rear Sights & place in numbered container					2/26/90	RW
	O) Attach Scope to Rifle					2/27/90	WB
	P) Detach & Attach Scope 20 Times					2/27/90	WB
640	Gallery Target & Test					2-27-90	AC
	A) Time					"	AC
	B) Malfunctions					"	AC
	C) Pierced Primers					"	AC
	D) Optical Clarity of Scope					"	AC
645	Inspect for Live Ammo					2-27-9	AC
655	Final Inspection						
	A) Headspace					16 MAR 90	JH
	B) Trigger Pull	266	273	278	235	269	16 MAR 90
	C) Function					16 MAR 90	JH
660	Pack					19 MAR 90	JH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6349221

DATE 31 Jan 90

TESTER [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.42	2.51	2.66	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.45	2.50	2.73	
PULL #3	2.47	2.48	2.53	2.78	
PULL #4	2.53	2.47	2.53	2.35	
PULL #5	2.50	2.49	2.56	2.69	
TOTAL	12.50	12.31	12.63	13.21	
AVG.	2.50	2.462	2.52	2.642	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.11	3.09		
PULL #2	3.08	3.05		
PULL #3	3.12	3.08		
PULL #4	3.12	3.07		
PULL #5	3.14	3.08		
TOTAL	15.57	15.37		
AVG.	3.114	3.074		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.10	4.04		4.12
PULL #2	4.12	4.03		4.13
PULL #3	4.09	4.06		4.10
PULL #4	4.04	4.04		4.14
PULL #5	4.07	4.01		4.02
TOTAL	20.42	20.18		20.51
AVG.	4.084	4.036		4.102

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349221
28 Feb 1990

CENTROIDAL DISTANCES

0 TO 1	.655347
1 TO 2	.86539
1 TO 3	.227554
1 TO 4	.460614
1 TO 5	.516016

$\frac{d}{2}$ <----POA

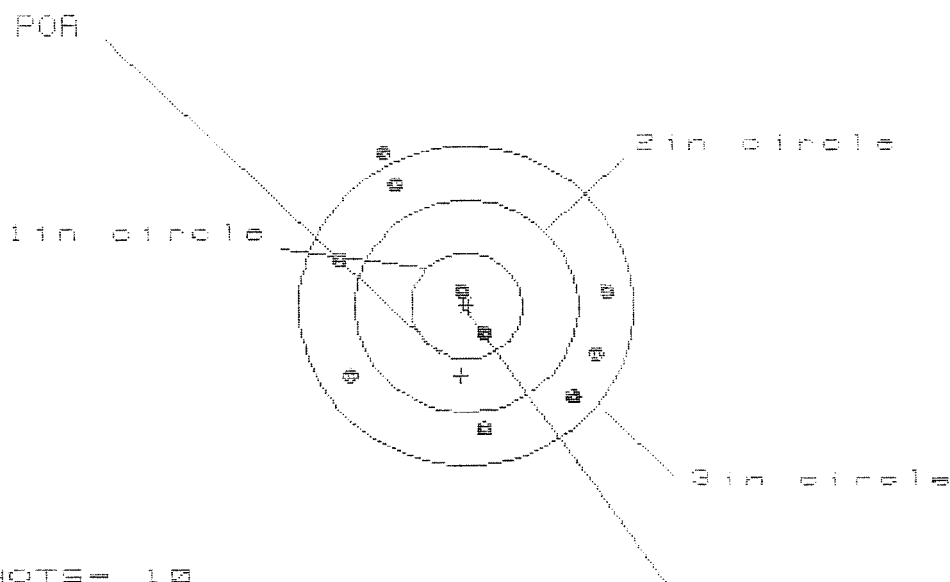
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0386
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2498
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .249948

AMP FOR THIS RIFLE IS: .889

12 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08345821

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 2

2in = 2

3in = 8

HS = 2.392

VS = 2.600

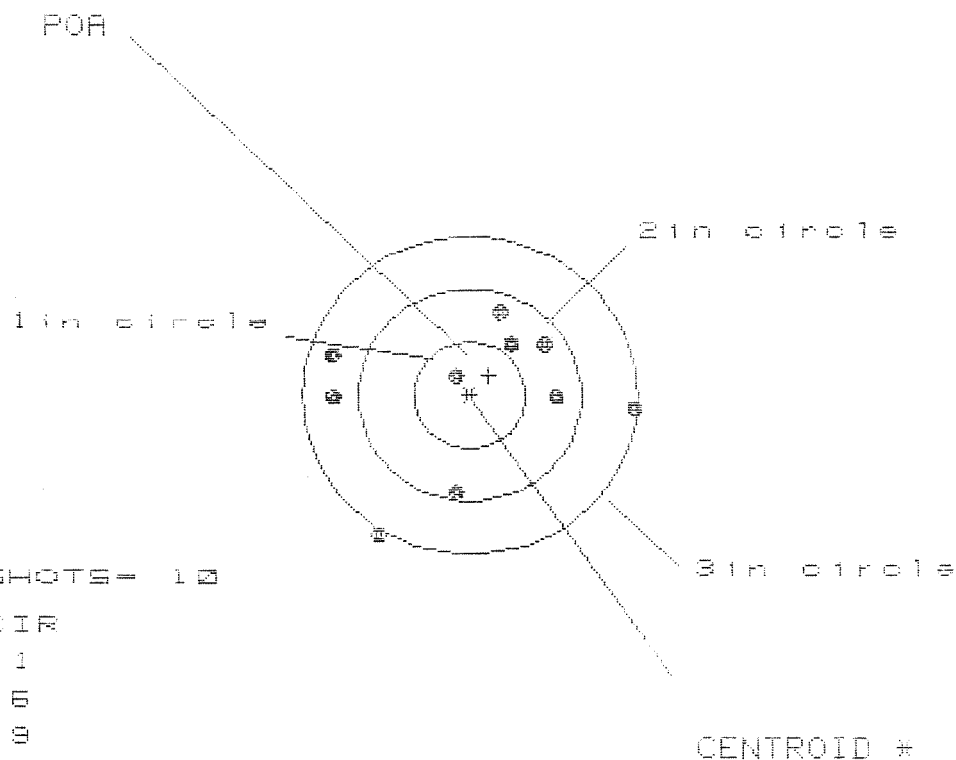
GS = 2.882

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.213	1.128	1.038
MINIMUM X	-1.179	-1.264	-1.354
MAXIMUM Y	1.481	1.313	.737
MINIMUM Y	-1.119	-.955	-.791
CENTROID X	.042	.127	.217
CENTROID Y	.654	.490	.326
POA TO CENTROID in.	.656	.506	.391
MIN RADIUS	.117	.145	.079
MEAN RADIUS	1.075	.987	.901
MAX RADIUS	1.667	1.498	1.542
HORIZONTAL SPREAD	2.392	2.392	2.392
VERTICAL SPREAD	2.600	2.268	1.528
MEAN SPREAD	2.882	2.540	2.476
IN ONE INCH CIRCLE =	2	2	2
IN TWO INCH CIRCLE =	2	2	2
IN THREE INCH CIRCLE =	9	9	9

27 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C5349221

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 2.732

VS= 2.141

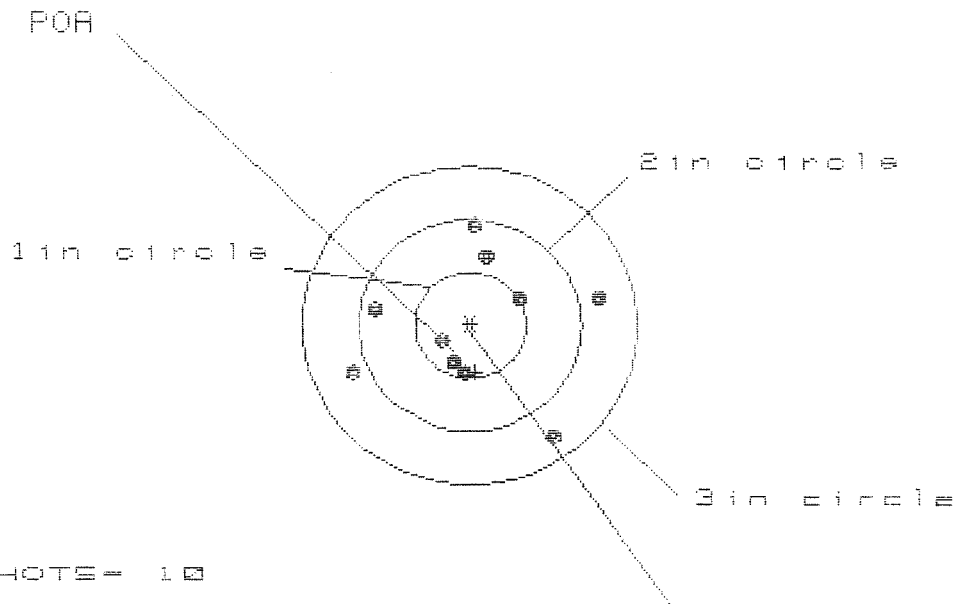
GS= 2.754

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.469	1.376	.829
MINIMUM X	:	-1.263	-1.356	-1.184
MAXIMUM Y	:	.814	.667	.629
MINIMUM Y	:	-1.327	-1.021	-1.059
CENTROID X	:	-.174	-.081	-.253
CENTROID Y	:	-.184	-.037	.001
POA TO CENTROID in.	:	.253	.089	.253
MIN RADIUS	:	.234	.239	.064
MEAN RADIUS	:	.974	.872	.801
MAX RADIUS	:	1.566	1.409	1.199
HORIZONTAL SPREAD	:	2.732	2.732	2.013
VERTICAL SPREAD	:	2.141	1.688	1.688
EXTREME SPREAD	:	2.754	2.754	2.016
SHOTS IN ONE INCH CIRCLE	=		1	
SHOTS IN TWO INCH CIRCLE	=		6	
SHOTS IN THREE INCH CIRCLE	=		9	

27 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349221

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS = 2.252

VS = 2.001

GS = 2.369

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.192	1.270	.644
MINIMUM X	-1.060	-.982	-.823
MAXIMUM Y	.962	.847	.871
MINIMUM Y	-1.039	-.547	-.523
CENTROID X	-.048	-.126	-.285
CENTROID Y	.445	.560	.536
POA TO CENTROID in.	.447	.574	.607
MIN RADIUS	.318	.322	.224
MEAN RADIUS	.776	.718	.632
MAX RADIUS	1.257	1.284	.975
HORIZONTAL SPREAD	2.252	2.252	1.467
VERTICAL SPREAD	2.001	1.394	1.394
EXTREME SPREAD	2.369	2.369	1.762
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	10	

27 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349821

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 1

2in = 8

3in = 10

HS = 1.920

VS = 1.660

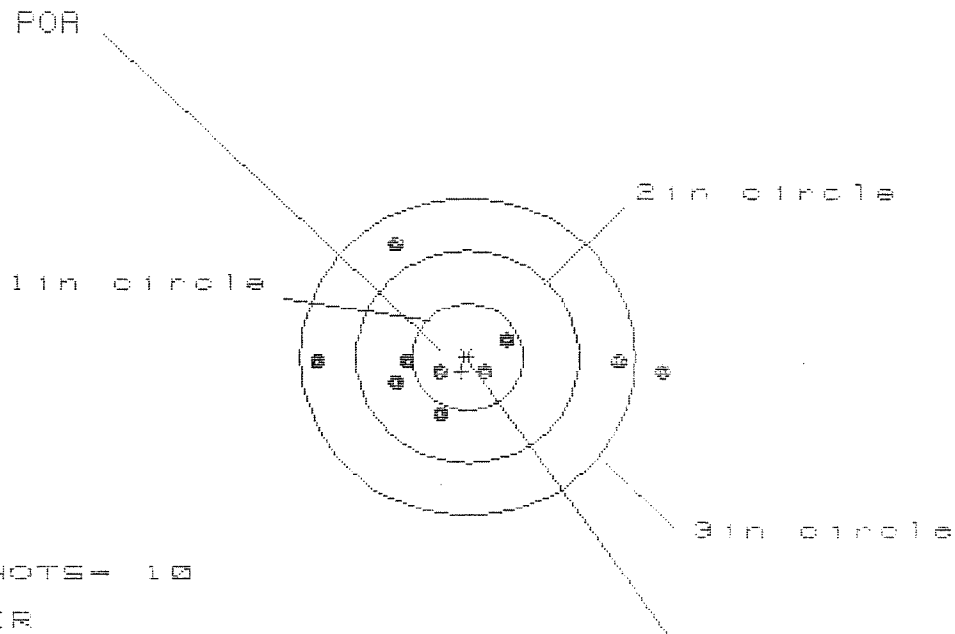
GS = 2.305

PATTERN #	1	4	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.156	1.266	.892
MINIMUM X	-.764	-.654	-.496
MAXIMUM Y	1.016	.744	.743
MINIMUM Y	-.644	-.532	-.533
CENTROID X	.091	-.019	-.177
CENTROID Y	.196	.084	.085
POA TO CENTROID in.	.217	.086	.196
MIN RADIUS	.217	.277	.301
MEAN RADIUS	.773	.680	.578
MAX RADIUS	1.417	1.266	.892
HORIZONTAL SPREAD	1.920	1.920	1.388
VERTICAL SPREAD	1.660	1.276	1.276
EXTREME SPREAD	2.305	1.953	1.445
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

27 Feb 1938

FILE:/PATTERNING/CENTERFIRE_PATT/06343221

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS = 3.127

VS = 1.627

GS = 3.129

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.736	1.544	1.394
MINIMUM X	:	-1.391	-1.198	-1.619
MAXIMUM Y	:	1.088	1.070	1.059
MINIMUM Y	:	-1.539	-1.557	-1.568
CENTROID X	:	.046	-.147	.003
CENTROID Y	:	.138	.156	.167
POA TO CENTROID in.	:	.146	.214	.167
MIN RADIUS	:	.242	.112	.217
MEAN RADIUS	:	.847	.715	.665
MAX RADIUS	:	1.744	1.544	1.395
HORIZONTAL SPREAD	:	3.127	2.742	2.013
VERTICAL SPREAD	:	1.627	1.627	1.627
EXTREME SPREAD	:	3.129	2.742	2.278
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	