

C6348745

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

BARBER - M24 0062998

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348745.___0
FILE DATE AND TIME: 10/07/2008 15:54

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

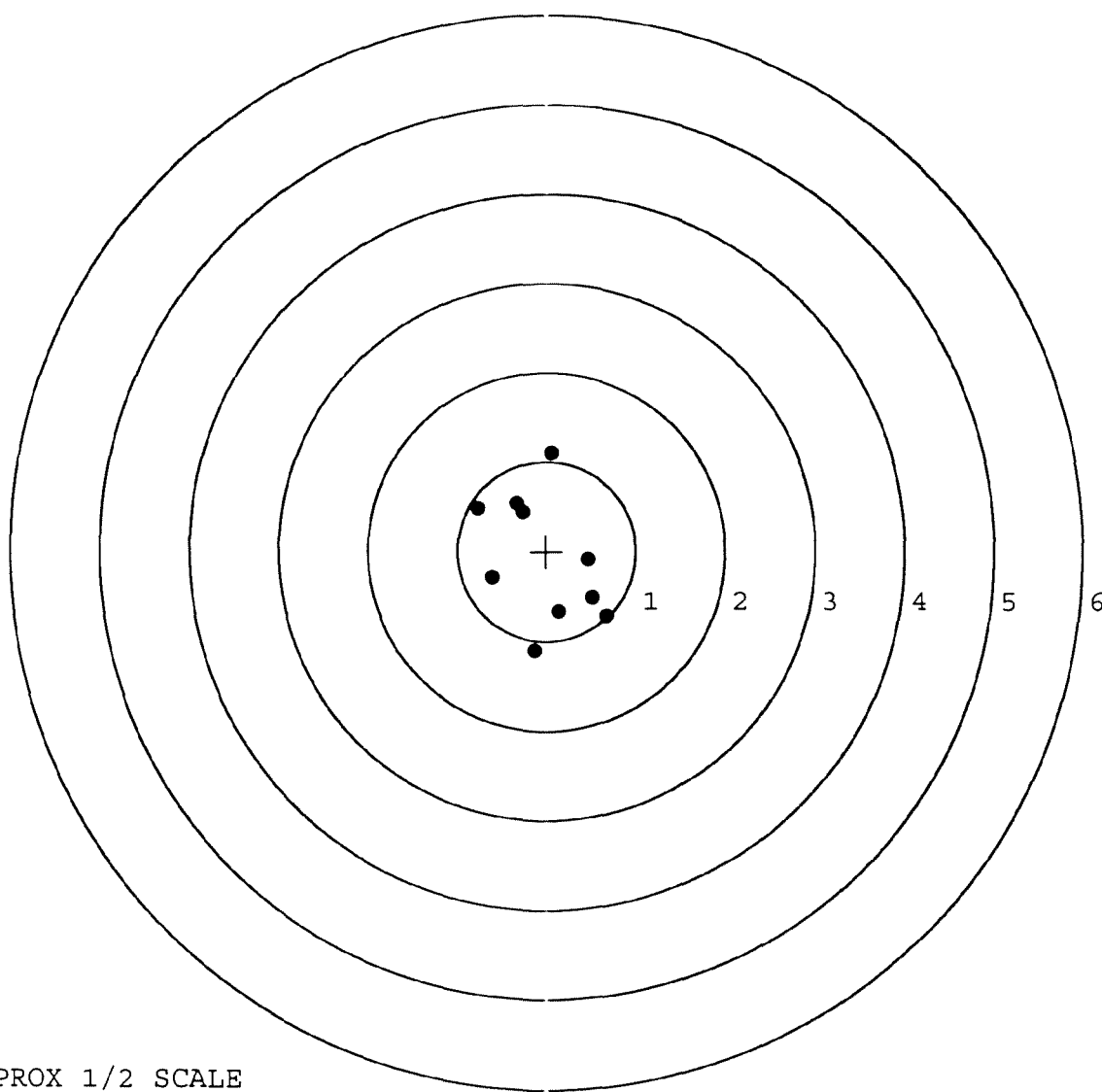
The Average X Centroid of the Five Target Set:	-0.162
The Average Y Centroid of the Five Target Set:	-0.051
The Average Point of Impact of the Five Target Set:	0.170
The Average Mean Radius of the Five Target Set:	0.785
The Distance from POA to Centroid Target #1:	0.093
The Distance from Centroid Target #2 to Centroid Target #1:	0.255
The Distance from Centroid Target #3 to Centroid Target #1:	0.139
The Distance from Centroid Target #4 to Centroid Target #1:	0.246
The Distance from Centroid Target #5 to Centroid Target #1:	0.095

BARBER - M24 0062958

SERIAL NUMBER: C6348745. __0
 TARGET NUMBER: 1
 FILE DATE: 10/07/2008
 FILE TIME: 15:54

POINT#	X	Y
1:	0.058	1.095
2:	-0.771	0.478
3:	-0.135	-1.110
4:	0.680	-0.724
5:	0.134	-0.676
6:	0.514	-0.525
7:	0.470	-0.096
8:	-0.613	-0.294
9:	-0.273	0.429
10:	-0.335	0.530

X CENTROID: -0.027
 Y CENTROID: -0.089
 POA TO CENTROID: 0.093
 HORZ SPREAD: 1.451
 VERT SPREAD: 2.205
 GROUP SPREAD: 2.213
 MIN RADIUS: 0.497
 MAX RADIUS: 1.187
 MEAN RADIUS: 0.779
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



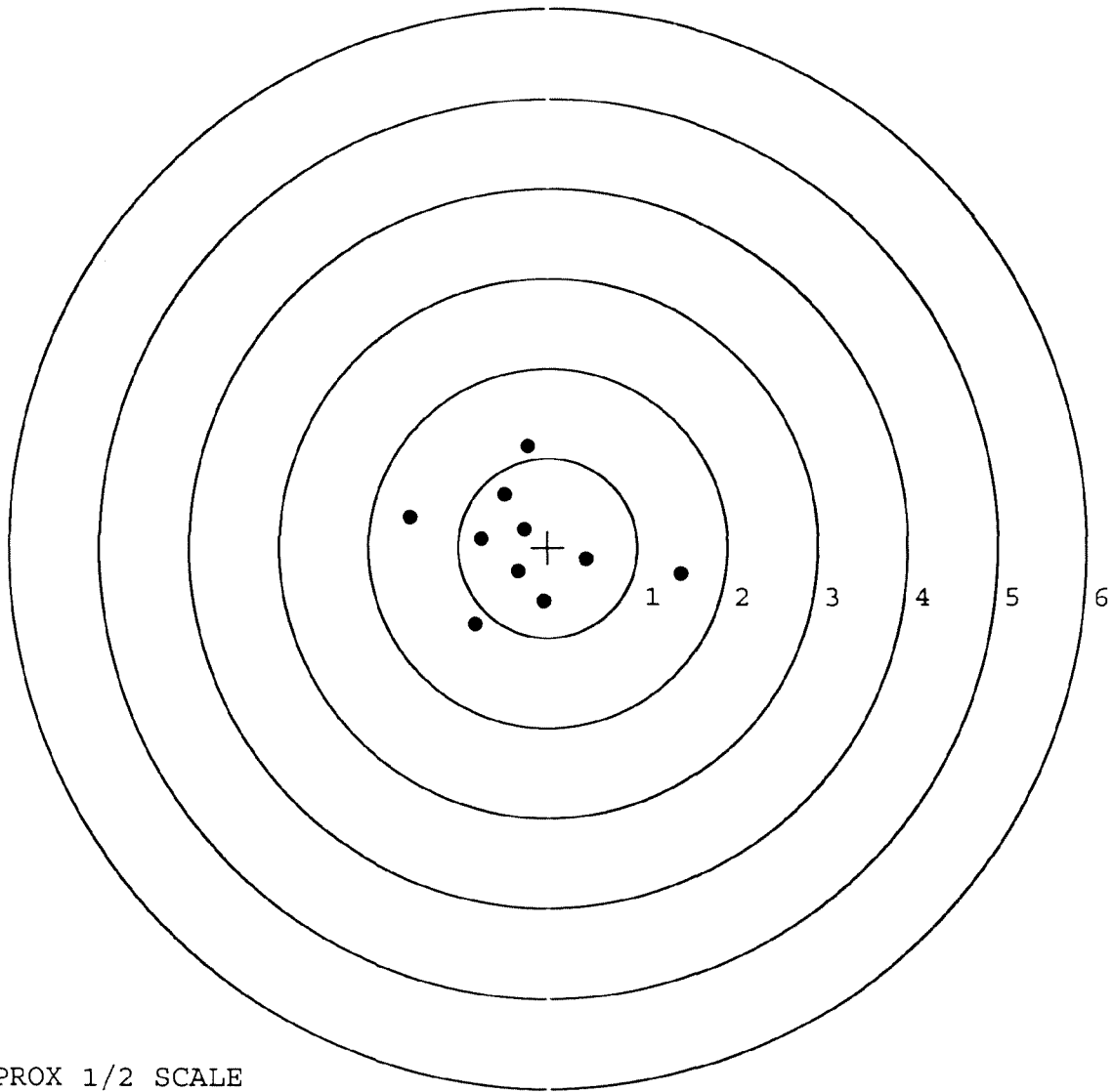
TARGET APPROX 1/2 SCALE

BARBER - M24 0062959

SERIAL NUMBER: C6348745. __0
 TARGET NUMBER: 2
 FILE DATE: 10/07/2008
 FILE TIME: 15:54

POINT#	X	Y
1:	1.481	-0.301
2:	-1.546	0.343
3:	-0.227	1.138
4:	-0.818	-0.858
5:	-0.491	0.587
6:	-0.746	0.099
7:	-0.269	0.205
8:	-0.339	-0.267
9:	-0.047	-0.604
10:	0.433	-0.137

X CENTROID: -0.257
 Y CENTROID: 0.021
 POA TO CENTROID: 0.258
 HORZ SPREAD: 3.027
 VERT SPREAD: 1.996
 GROUP SPREAD: 3.095
 MIN RADIUS: 0.185
 MAX RADIUS: 1.767
 MEAN RADIUS: 0.822
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0062960

SERIAL NUMBER: C6348745. __0

TARGET NUMBER: 3

FILE DATE: 10/07/2008

FILE TIME: 15:54

POINT#	X	Y
1:	0.045	-0.101
2:	-0.159	-1.288
3:	-0.180	0.653
4:	0.538	0.231
5:	-0.964	-0.479
6:	-0.666	0.301
7:	-0.518	0.136
8:	-0.172	-0.259
9:	0.189	-0.309
10:	0.323	-0.277

X CENTROID: -0.156

Y CENTROID: -0.139

POA TO CENTROID: 0.209

HORZ SPREAD: 1.502

VERT SPREAD: 1.941

GROUP SPREAD: 1.941

MIN RADIUS: 0.121

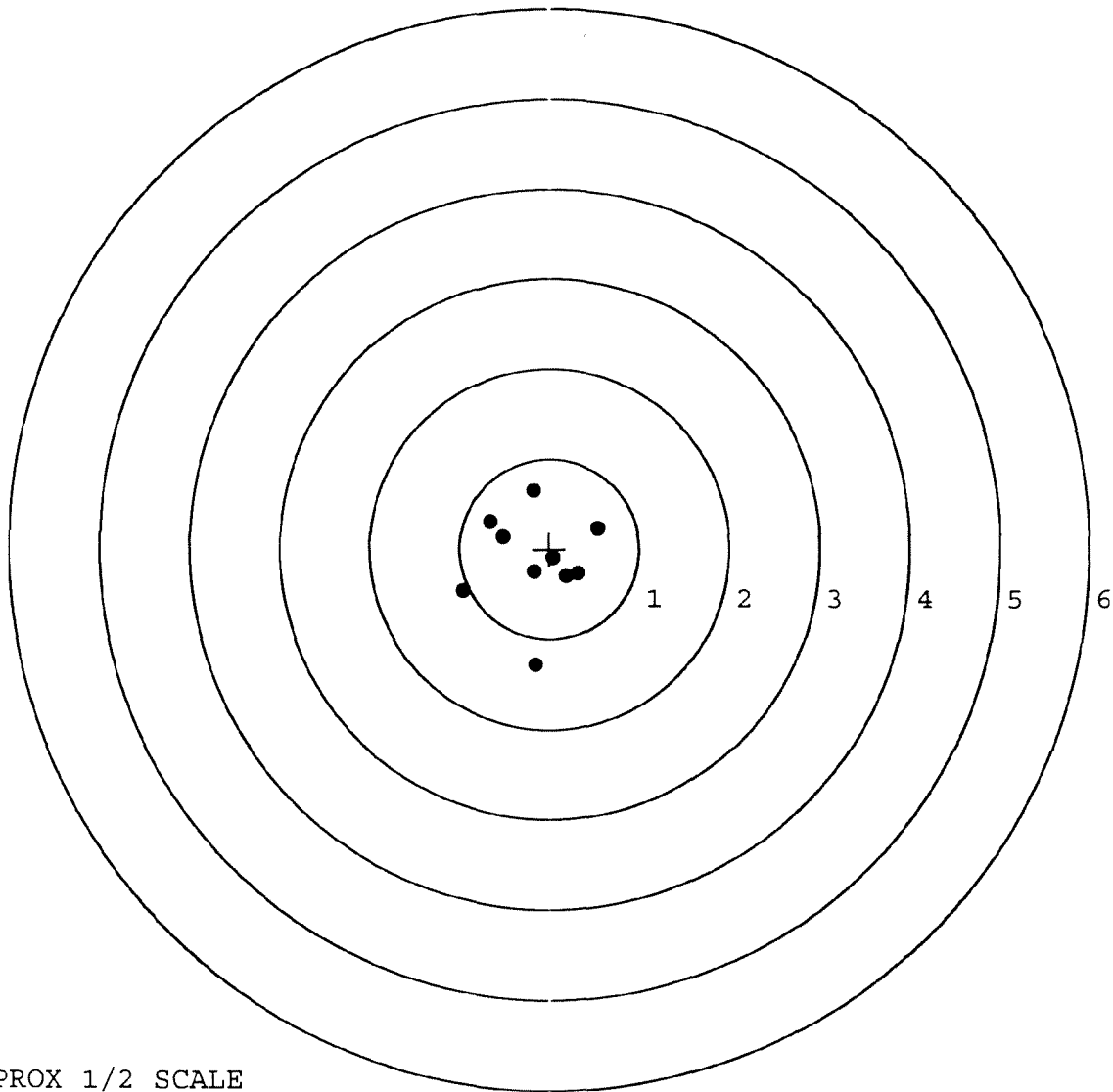
MAX RADIUS: 1.149

MEAN RADIUS: 0.594

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348745. __0

TARGET NUMBER: 4

FILE DATE: 10/07/2008

FILE TIME: 15:54

POINT#	X	Y
1:	-0.433	1.397
2:	-0.306	1.200
3:	-0.004	-1.520
4:	0.881	-0.024
5:	-0.875	0.319
6:	-0.415	-0.671
7:	-0.291	-0.508
8:	-0.564	-0.265
9:	-0.478	-0.143
10:	-0.115	0.126

X CENTROID: -0.260

Y CENTROID: -0.009

POA TO CENTROID: 0.260

HORZ SPREAD: 1.756

VERT SPREAD: 2.917

GROUP SPREAD: 2.948

MIN RADIUS: 0.198

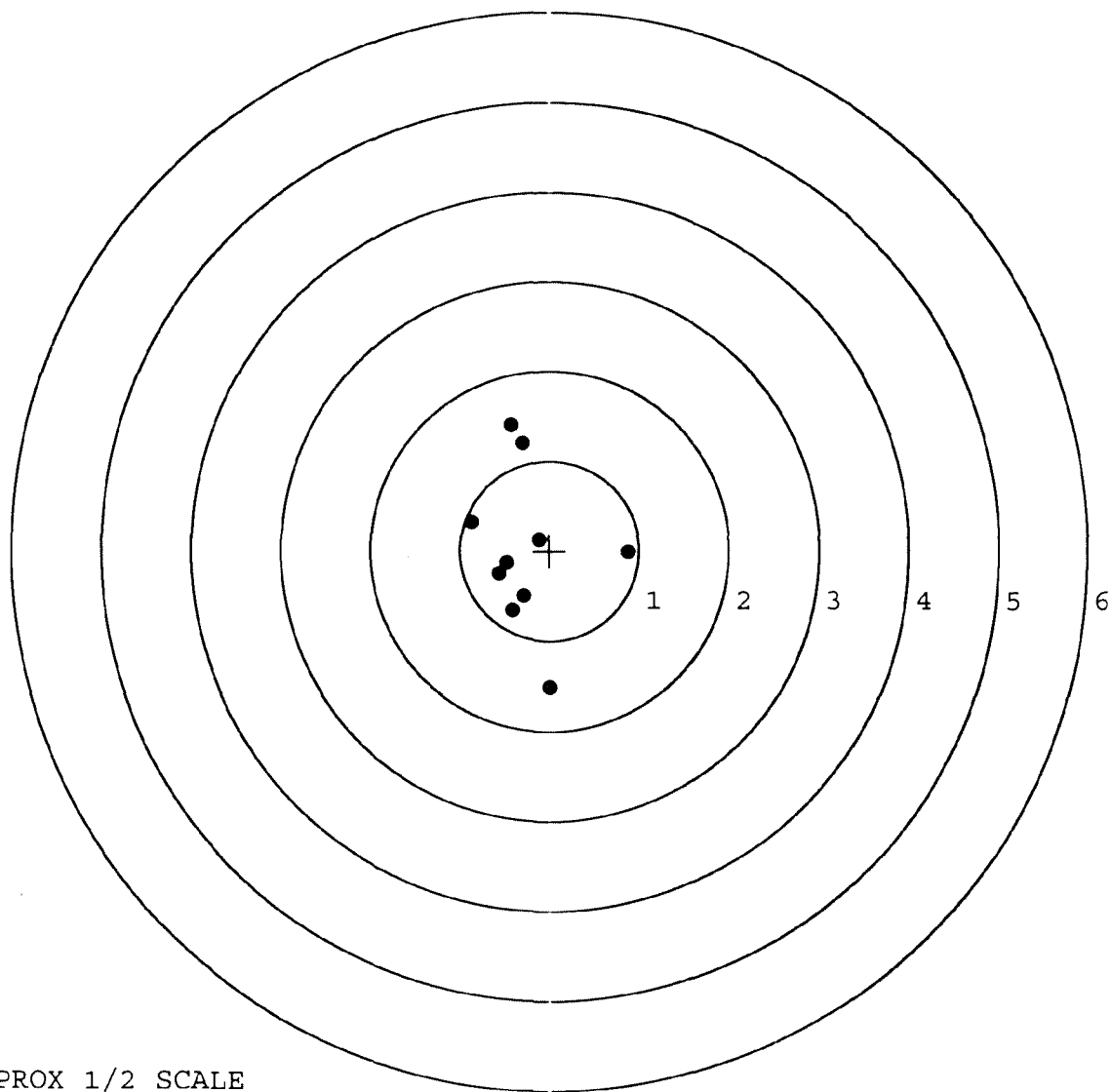
MAX RADIUS: 1.533

MEAN RADIUS: 0.803

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



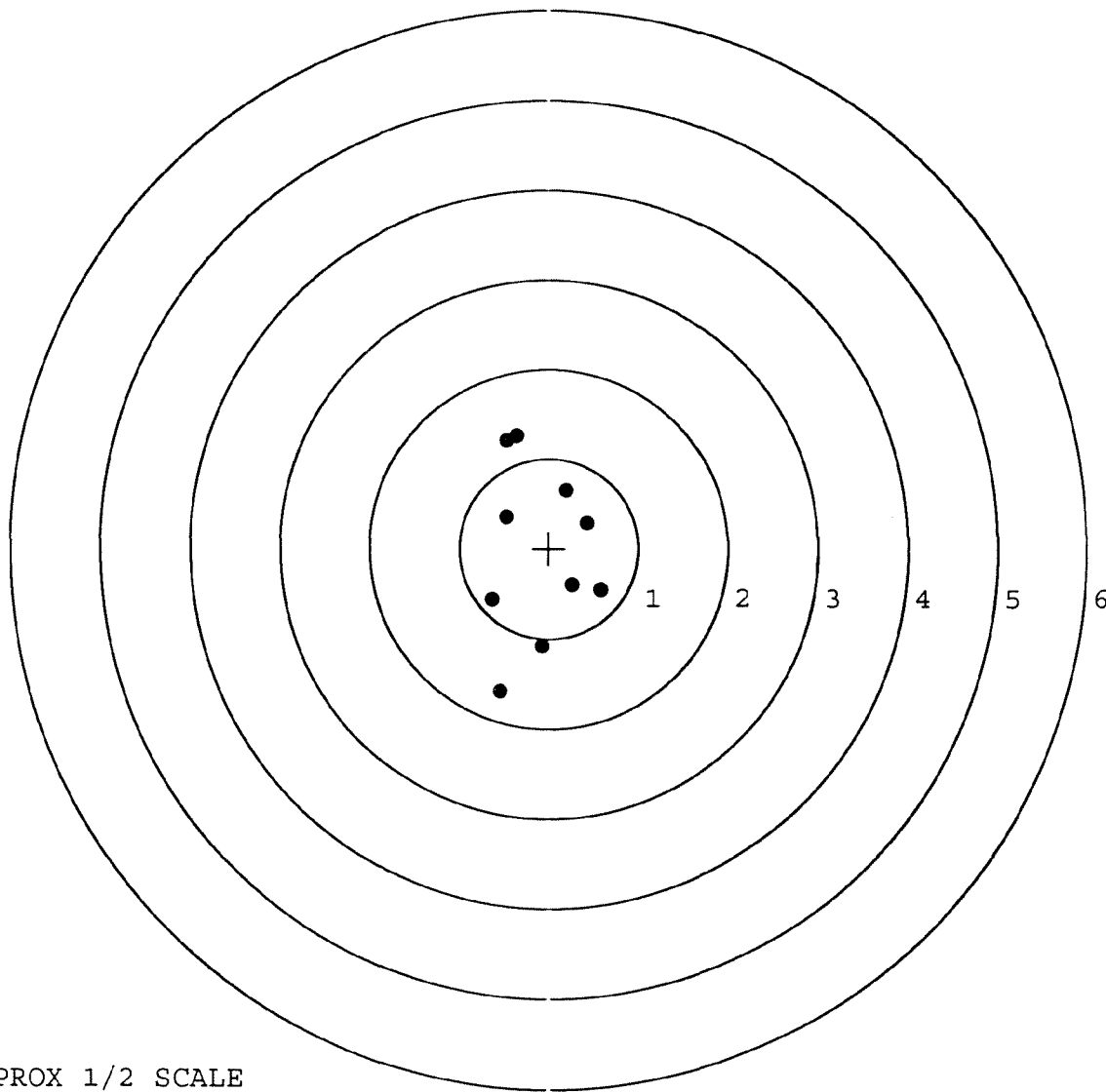
TARGET APPROX 1/2 SCALE

BARBER - M24 0062962

SERIAL NUMBER: C6348745. __0
 TARGET NUMBER: 5
 FILE DATE: 10/07/2008
 FILE TIME: 15:54

POINT#	X	Y
1:	-0.473	1.204
2:	-0.360	1.258
3:	-0.543	-1.593
4:	-0.077	-1.091
5:	-0.638	-0.569
6:	-0.471	0.352
7:	0.201	0.643
8:	0.439	0.280
9:	0.581	-0.466
10:	0.260	-0.410

X CENTROID: -0.108
 Y CENTROID: -0.039
 POA TO CENTROID: 0.115
 HORZ SPREAD: 1.219
 VERT SPREAD: 2.851
 GROUP SPREAD: 2.857
 MIN RADIUS: 0.522
 MAX RADIUS: 1.614
 MEAN RADIUS: 0.928
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0062989 M2400063002

Receipt Of Firearm(s) Delivered to the Plant for Repair
Firearm Checked For Live Ammunition []

File # 00391

Delivery Date 4/7/99Customer Name (Print) US Army, James C Starns Jr
Address GSC 5th SFG(A) Ft Campbell State KY Zip 42223
Phone Number (502)-798-2882/7932Firearm Description Model 700 (M24) Cal./ Ga. 7.62
Serial Number C6348745Stock/ Fore-end Condition circle the description
(Excellent; Good ; Fair; Poor; Fancy; Plain, Synthetic, Wood)Comments on Stock/ Fore-end condition Cracked

Metal Condition circle the description

(Excellent; Good ; Fair; Poor; Fancy; Plain Stainless Steel)

Comments on Metal condition

Barrel Type (VT. Rib; Plain; Deer; Stainless Steel) Barrel length

List additional accessories IE Scope, Sling, Gun case and description;

Customer request: RecordReturn Process Return to Clark St. Ent. [] Return via UPS ☒**By signing this receipt the person delivering the firearm understands to be the only person to receive the firearm upon completion of repairs.**Signature James C Starns Jr Date 4/7/99
person delivering firearm.Signature [Signature] Date 4/7/99
security officerSignature [Signature] Date 4/7/99
arms service / CSR

Customer Pick Up Verification

I certify, I am the same person whom delivered the above described firearm to the Remington Ilion plant for repair and may lawfully possess a firearm in New York StateSignature _____ Date ____/____/____
person receiving firearm must be the same whom deliveredSignature _____ Date ____/____/____
security officer or other witness returning the firearm

BARBER - M24 0062965

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6348745
21 Jun 1999

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1196

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.191

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .225356

THE AMR FOR THIS RIFLE IS: .9644

CENTROIDAL DISTANCES

0 TO	1	.236123
1 TO	2	.386788
1 TO	3	.337148
1 TO	4	.183306
1 TO	5	.594604

+ 1⁴ <----POA
5 2 3

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .449

MIN RADIUS : .171

MEAN RADIUS : .904

MAX RADIUS : 2.801

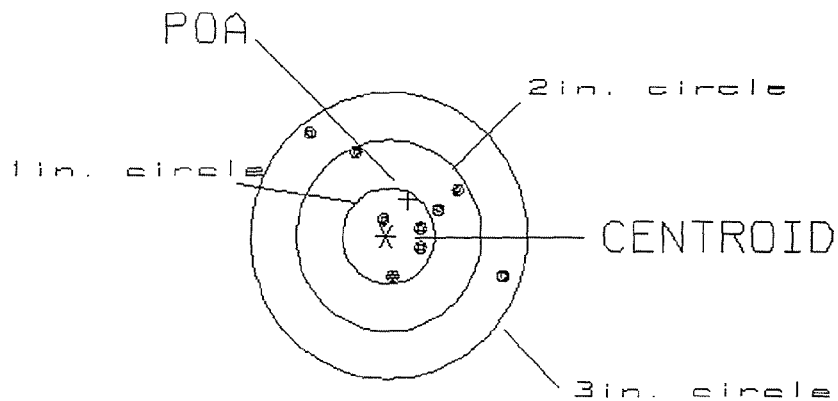
CENTROID X : -.242

CENTROID Y : -.378

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348745

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.21

4

VS= 3.05

7

GS= 3.63

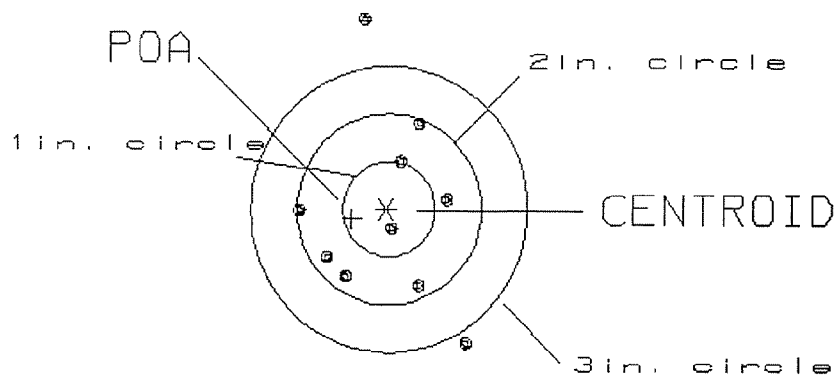
9

PATTERN #: 2
 POA TO CENTROID: .384
 MIN RADIUS : .199
 MEAN RADIUS : .947
 MAX RADIUS : 2.038
 CENTROID X : .370
 CENTROID Y : .101

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348745

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 1.79

1

VS= 3.38

7

GS= 3.54

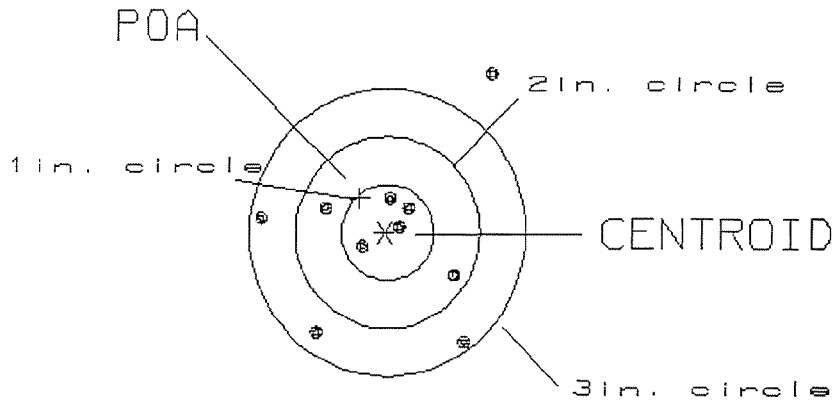
8

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .450
 MIN RADIUS : .157
 MEAN RADIUS : .875
 MAX RADIUS : 2.009
 CENTROID X : .273
 CENTROID Y : -.358

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348745

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.50
 VS= 2.82
 GS= 3.33

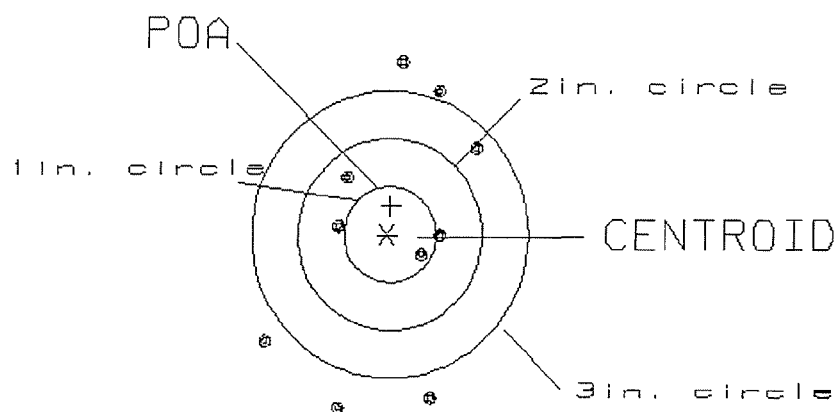
4
 6
 9

PATTERN #: 4
 POA TO CENTROID: .300
 MIN RADIUS : .437
 MEAN RADIUS : 1.229
 MAX RADIUS : 1.932
 CENTROID X : -.038
 CENTROID Y : -.297

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348745

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.25

1

VS= 3.65

4

GS= 3.71

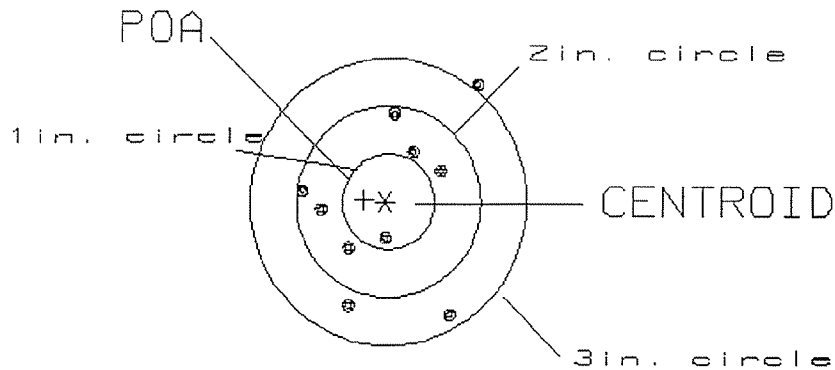
5

PATTERN #: 5
 POA TO CENTROID: .236
 MIN RADIUS : .355
 MEAN RADIUS : .867
 MAX RADIUS : 1.526
 CENTROID X : .235
 CENTROID Y : -.023

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348745

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 1.93

1

US= 2.32

7

GS= 2.61

9

BARBER - M24 0062971
Remington



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

MODEL 700TM H24

SERIAL NO.
C6348745

ORDER NO.
5716

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

Ø1



5716 C6348745

UPC



0 47700 25716 7

RC 50

BARBER - M24 0062972

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348745

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	12-20 89		RW
600	Proof	12-20 89		RW
607	Check Headspace	12-20 89		RW
610	Dis-assemble Gun	12-20 89		RW
612	Magnaflux Barrel Action	1-5-90		KCR
	Magnaflux Bolt	1-5-90		
615	Rollmark Caliber		1/8/90	CS
617	Drill and Tap Sight Holes		1/10/90	FB
618	Polish Barrel RB		1/10/90	WB
620	Apply Coatings (Barrel Action)		1-15-90	TH
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		1/16/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/16/90	RW
	C) Inspect Ejector Hole for Chamfer		1/16/90	RW
	D) Oil Firing Pin Ass'y		1/16/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1/17/90	JD

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			1-17-90	gcl
	G) Safety Off Force	2	2	2			1-17-90	gcl
	H) Trigger Pull Test & Retainability						1/17/90	gcl
	I) Firing Pin Indent	.021	.021	.021			1/17/90	gcl
	J) Assemble Stock						3/8/90	Rw
	K) Assemble Swivel Studs						3/13/90	WB
	L) Attach Front and Rear Sight Assemblies						3/8/90	Rw
	M) Iron Sight Alignment						3/8/90	Rw
	N) Detach Front & Rear Sights & place in numbered container						3/8/90	Rw
	O) Attach Scope to Rifle						3/8/90	WB
	P) Detach & Attach Scope 20 Times						3/8/90	WB
640	Gallery Target & Test						3-9-90	J.S. Temp Help
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection						3/13/90	WB
	A) Headspace							
	B) Trigger Pull	2.12	2.19	2.12	2.13	2.14	3/13/90	GS
	C) Function						3/13/90	WB
660	Pack						6-19-90	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6348745

DATE 17 Jan 90

TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.44	2.39	2.12	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.57	2.46	2.33	2.19	
PULL #3	2.42	2.36	2.23	2.12	
PULL #4	2.39	2.40	2.38	2.13	
PULL #5	2.50	2.27	2.33	2.14	
TOTAL	12.38	11.99	11.66		
AVG.	2.476	2.398	2.332		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.33		
PULL #2	3.36	3.35		
PULL #3	3.37	3.35		
PULL #4	3.35	3.33		
PULL #5	3.28	3.34		
TOTAL	16.80	16.70		
AVG.	3.36	3.34		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.52	4.26		4.34
PULL #2	4.17	4.28		4.08
PULL #3	4.33	4.26		4.27
PULL #4	4.37	4.19		4.29
PULL #5	4.34	4.34		4.17
TOTAL	21.73	21.33		21.15
AVG.	4.346	4.266		4.23

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348745
9 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.313753
1 TO	2	.368077
1 TO	3	.301811
1 TO	4	.163527
1 TO	5	.242495

15 <----POA

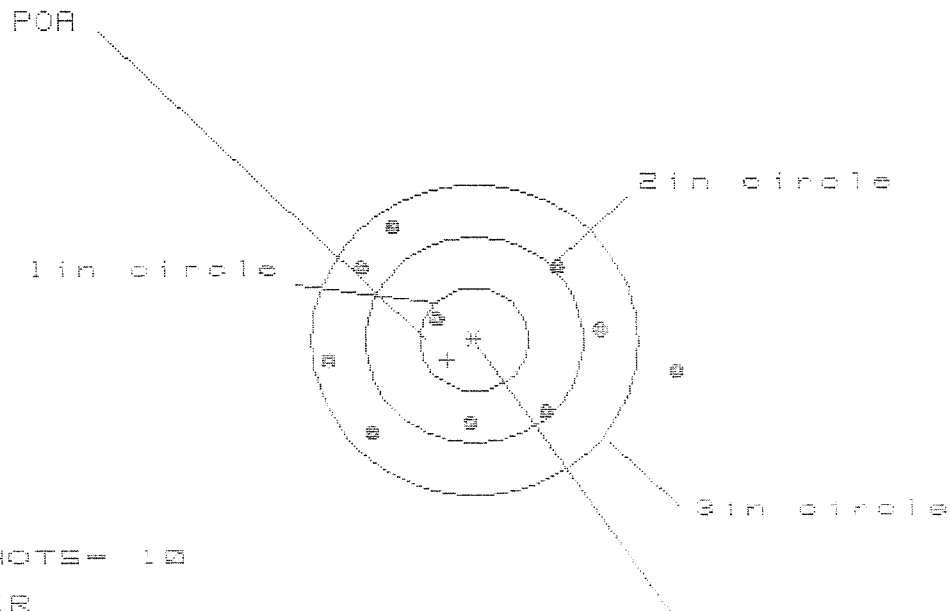
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2562
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0196
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .258943

THE AMR FOR THIS RIFLE IS: .9244

9 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6348745

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

CENTROID *

HS= 3.259

VS= 1.973

GS= 3.261

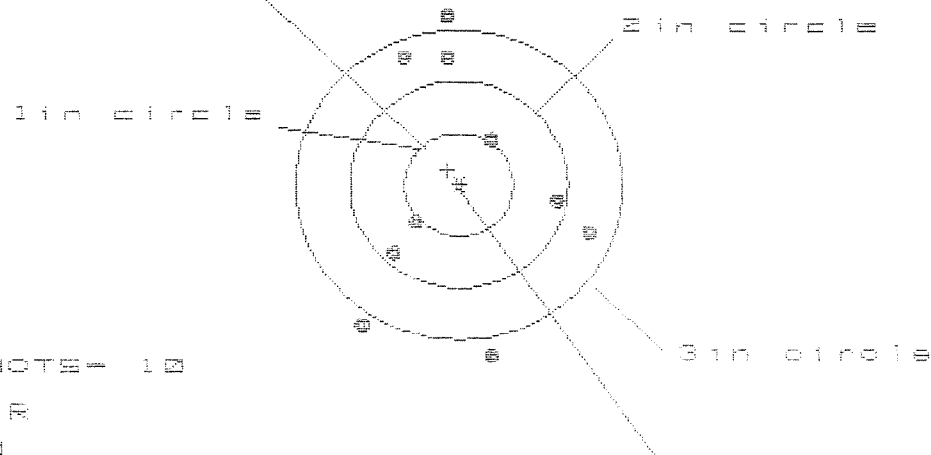
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.904	1.351	1.208
MINIMUM X	-1.355	-1.143	-0.958
MAXIMUM Y	1.100	1.069	1.046
MINIMUM Y	-0.873	-0.904	-0.927
CENTROID X	.245	.033	.176
CENTROID Y	.196	.227	.258
POR TO CENTROID in.	.314	.229	.306
MIN RADIUS	.448	.263	.362
MEAN RADIUS	1.163	1.051	1.038
MAX RADIUS	1.924	1.354	1.302
HORIZONTAL SPREAD	3.259	2.494	2.176
VERTICAL SPREAD	1.973	1.973	1.973
EXTREME SPREAD	3.261	2.509	2.354
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	6		

9 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C834B745

CENTERFIRE PATTERNS # 2

POB



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 4

3 in = 7

HS= 2.011

VS= 3.296

GS= 3.321

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	6
MAXIMUM X	:	1.157	1.144	1.179
MINIMUM X	:	-0.854	-0.867	-0.832
MAXIMUM Y	:	1.689	1.472	1.294
MINIMUM Y	:	-1.607	-1.419	-1.338
CENTROID X	:	.104	.117	.082
CENTROID Y	:	-.144	-.332	-.154
POB TO CENTROID in.	:	.178	.352	.175
MIN RADIUS	:	.533	.478	.539
MEAN RADIUS	:	1.170	1.099	1.047
MAX RADIUS	:	1.693	1.551	1.576
HORIZONTAL SPREAD	:	2.011	2.011	2.011
VERTICAL SPREAD	:	3.296	2.891	2.632
EXTREME SPREAD	:	3.321	2.991	2.688
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

9 Mar 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C634B745

CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HG = 2.181

VB = 1.752

GS = 2.187

CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.000
MINIMUM X	-1.181
MAXIMUM Y	.770
MINIMUM Y	-.982
CENTROID X	.158
CENTROID Y	-.093
POA TO CENTROID in.	.183
MIN RADIUS	.369
MEAN RADIUS	.837
MAX RADIUS	1.224
HORIZONTAL SPREAD	2.181
VERTICAL SPREAD	1.752
EXTREME SPREAD	2.197
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	10

9 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6348745

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 3

2in = 9

3in = 10

HS = 1.273

VS = 2.054

GS = 2.152

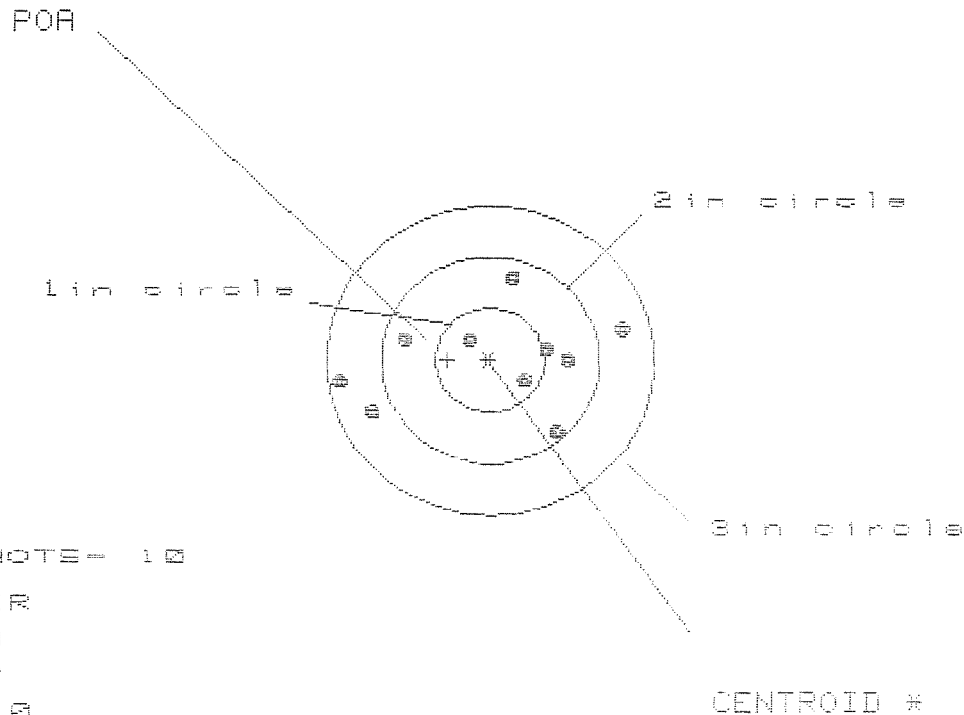
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.737	.729	.677
MINIMUM X	:	-.536	-.544	-.453
MAXIMUM Y	:	1.498	.688	.566
MINIMUM Y	:	-.556	-.389	-.431
CENTROID X	:	.399	.407	.316
CENTROID Y	:	.141	-.026	.016
POA TO CENTROID in.	:	.423	.408	.316
MIN RADIUS	:	.232	.075	.170
MEAN RADIUS	:	.645	.499	.471
MAX RADIUS	:	1.500	.801	.712
HORIZONTAL SPREAD	:	1.273	1.273	1.130
VERTICAL SPREAD	:	2.054	.997	.997
EXTREME SPREAD	:	2.152	1.546	1.226
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CS348745

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 10

MEI = 2.8003

VSI = 1.425

GSI = 2.888

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.186	1.028	.639
MINIMUM X	-1.417	-1.254	-1.125
MAXIMUM Y	.769	.743	.784
MINIMUM Y	-.656	-.682	-.641
CENTROID X	.385	.543	.414
CENTROID Y	-.002	.024	-.017
POA TO CENTROID in.	.385	.543	.415
MIN RADIUS	.237	.251	.268
MEAN RADIUS	.887	.786	.671
MAX RADIUS	1.436	1.366	1.232
HORIZONTAL SPREAD	2.593	2.282	1.764
VERTICAL SPREAD	1.425	1.425	1.425
EXTREME SPREAD	2.668	2.441	1.846
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	