

C6349188

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

nagletj		9/30/2003	8:43 AM	CAPS	NUM	INS	SORL
start	3. Micro...	4. Micro...	17. E. B...	Search Is...	Arms Ser...	Part Ser...	8:43 AM

RE00070759

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349188.___0

FILE DATE AND TIME: 10/28/2003 18:58

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

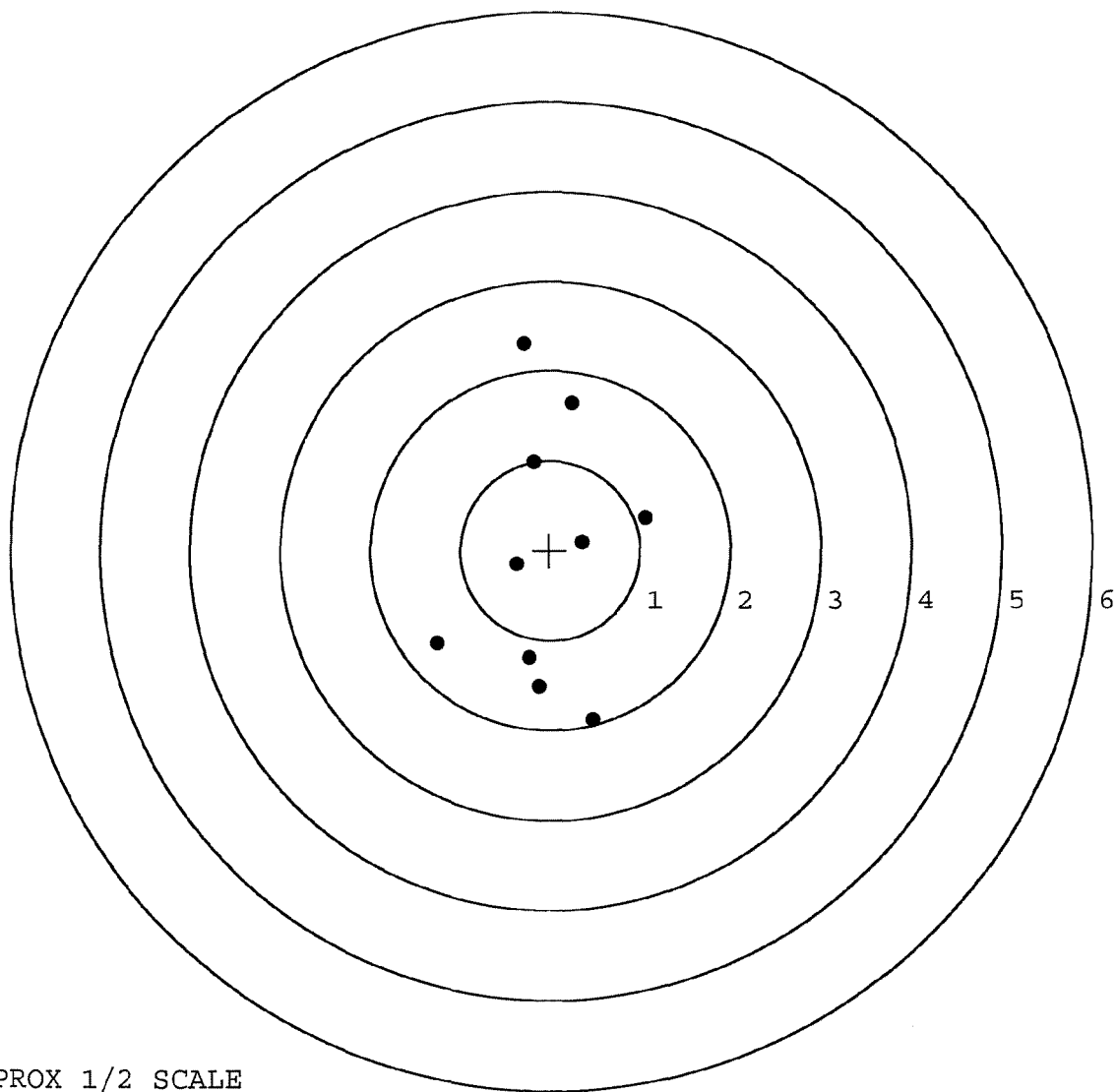
The Average X Centroid of the Five Target Set:	0.012
The Average Y Centroid of the Five Target Set:	-0.085
The Average Point of Impact of the Five Target Set:	0.086
The Average Mean Radius of the Five Target Set:	0.981
The Distance from POA to Centroid Target #1:	0.053
The Distance from Centroid Target #2 to Centroid Target #1:	0.017
The Distance from Centroid Target #3 to Centroid Target #1:	0.156
The Distance from Centroid Target #4 to Centroid Target #1:	0.101
The Distance from Centroid Target #5 to Centroid Target #1:	0.087

BARBER - M24 0109738

SERIAL NUMBER: C6349188. __0
 TARGET NUMBER: 1
 FILE DATE: 10/28/2003
 FILE TIME: 18:58

X CENTROID: -0.030
 Y CENTROID: -0.043
 POA TO CENTROID: 0.053
 HORZ SPREAD: 2.313
 VERT SPREAD: 4.187
 GROUP SPREAD: 4.258
 MIN RADIUS: 0.357
 MAX RADIUS: 2.358
 MEAN RADIUS: 1.319
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 2
 # in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.481	-1.887
2:	-0.116	-1.526
3:	-0.226	-1.206
4:	-1.258	-1.041
5:	-0.368	-0.157
6:	0.357	0.098
7:	1.055	0.368
8:	-0.178	0.984
9:	0.245	1.636
10:	-0.293	2.300



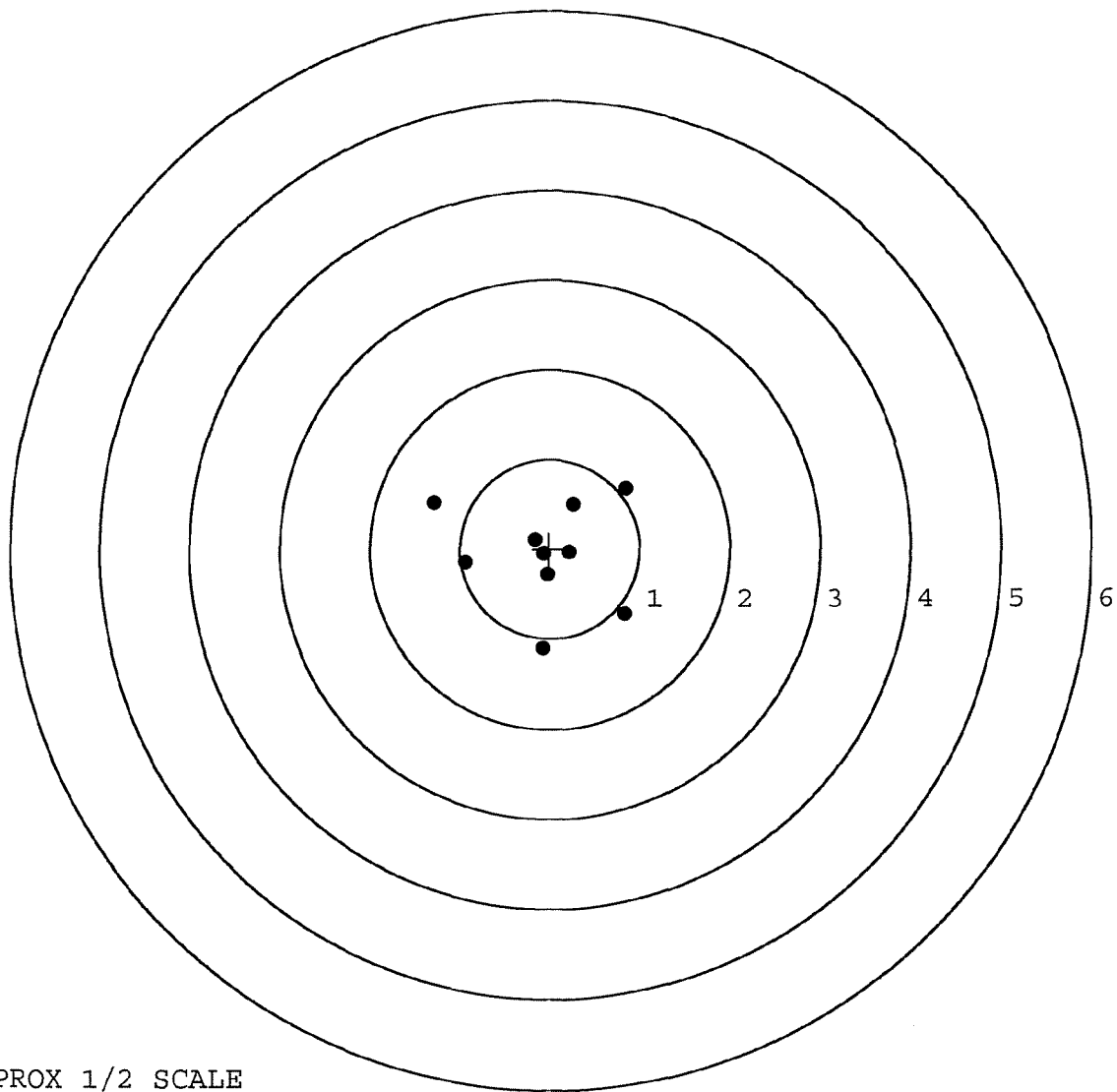
TARGET APPROX 1/2 SCALE

BARBER - M24 0109739

SERIAL NUMBER: C6349188. __0
 TARGET NUMBER: 2
 FILE DATE: 10/28/2003
 FILE TIME: 18:58

POINT#	X	Y
1:	0.835	-0.728
2:	-0.075	-1.119
3:	-0.938	-0.148
4:	-1.290	0.517
5:	0.852	0.678
6:	0.264	0.503
7:	0.222	-0.044
8:	-0.023	-0.292
9:	-0.166	0.101
10:	-0.063	-0.054

X CENTROID: -0.038
 Y CENTROID: -0.059
 POA TO CENTROID: 0.070
 HORZ SPREAD: 2.142
 VERT SPREAD: 1.797
 GROUP SPREAD: 2.463
 MIN RADIUS: 0.025
 MAX RADIUS: 1.378
 MEAN RADIUS: 0.696
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0109740

SERIAL NUMBER: C6349188. __0

TARGET NUMBER: 3

FILE DATE: 10/28/2003

FILE TIME: 18:58

POINT#	X	Y
1:	0.378	1.300
2:	0.742	1.183
3:	0.582	0.917
4:	0.515	0.349
5:	0.227	-0.510
6:	0.026	-0.543
7:	-0.232	-0.609
8:	0.058	-2.260
9:	-0.828	-1.597
10:	-0.723	0.178

X CENTROID: 0.074

Y CENTROID: -0.159

POA TO CENTROID: 0.176

HORZ SPREAD: 1.570

VERT SPREAD: 3.560

GROUP SPREAD: 3.574

MIN RADIUS: 0.383

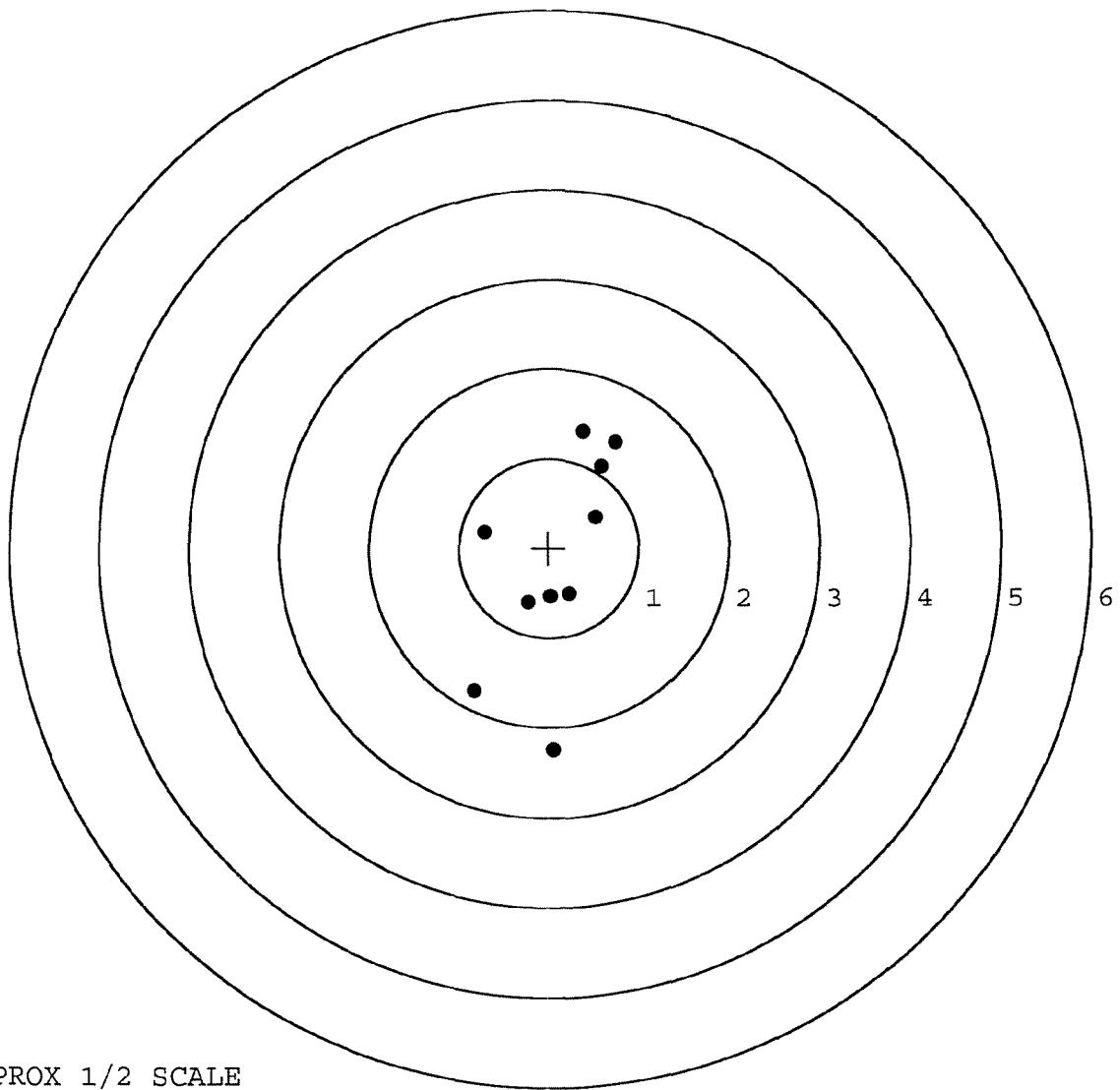
MAX RADIUS: 2.101

MEAN RADIUS: 1.083

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8

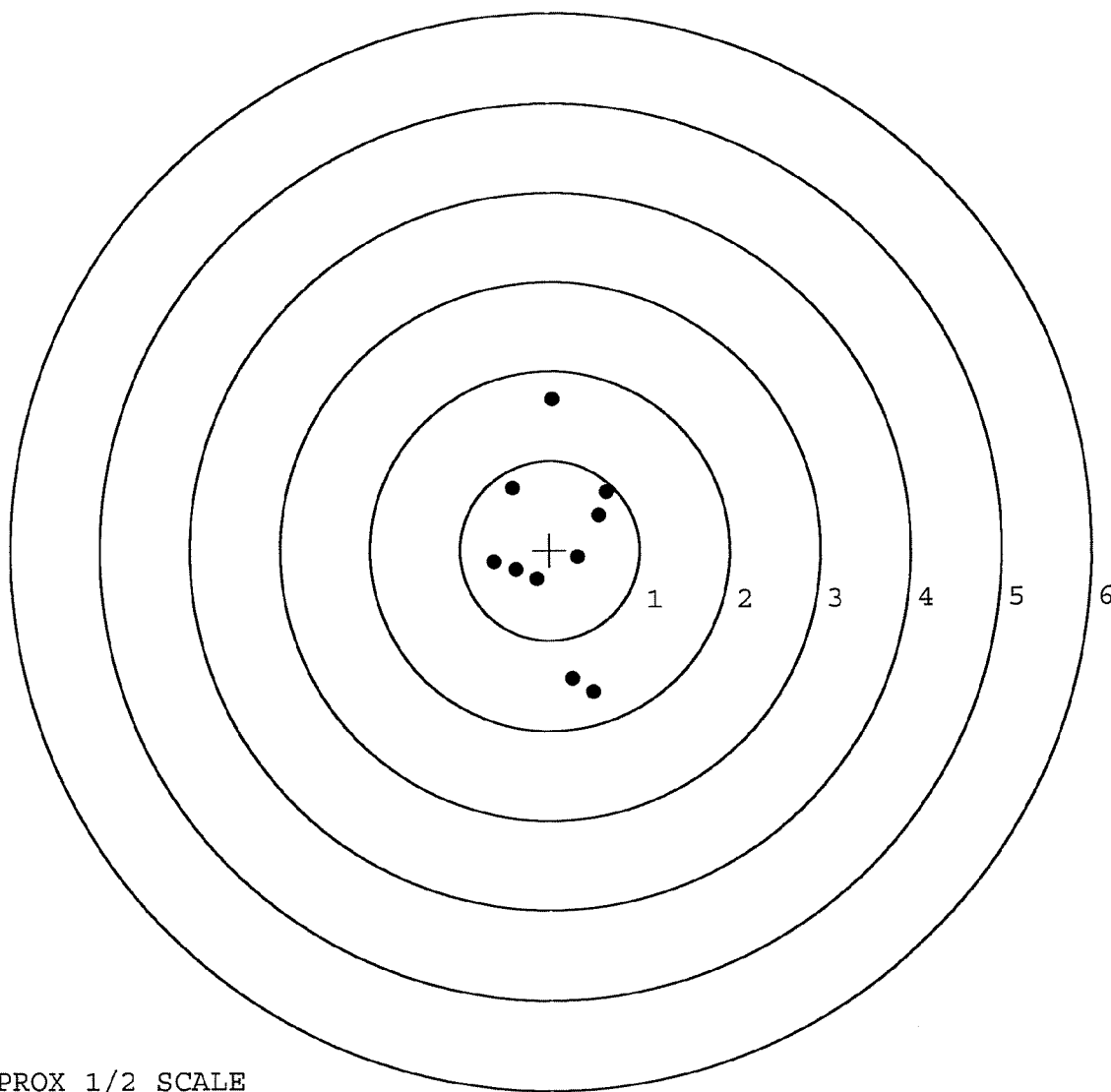


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349188. __0
 TARGET NUMBER: 4
 FILE DATE: 10/28/2003
 FILE TIME: 18:58

POINT#	X	Y
1:	0.482	-1.576
2:	0.253	-1.430
3:	0.636	0.653
4:	0.547	0.389
5:	0.307	-0.086
6:	-0.411	0.698
7:	0.035	1.682
8:	-0.620	-0.138
9:	-0.377	-0.224
10:	-0.143	-0.331

X CENTROID: 0.071
 Y CENTROID: -0.036
 POA TO CENTROID: 0.080
 HORZ SPREAD: 1.256
 VERT SPREAD: 3.258
 GROUP SPREAD: 3.289
 MIN RADIUS: 0.241
 MAX RADIUS: 1.719
 MEAN RADIUS: 0.892
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 8

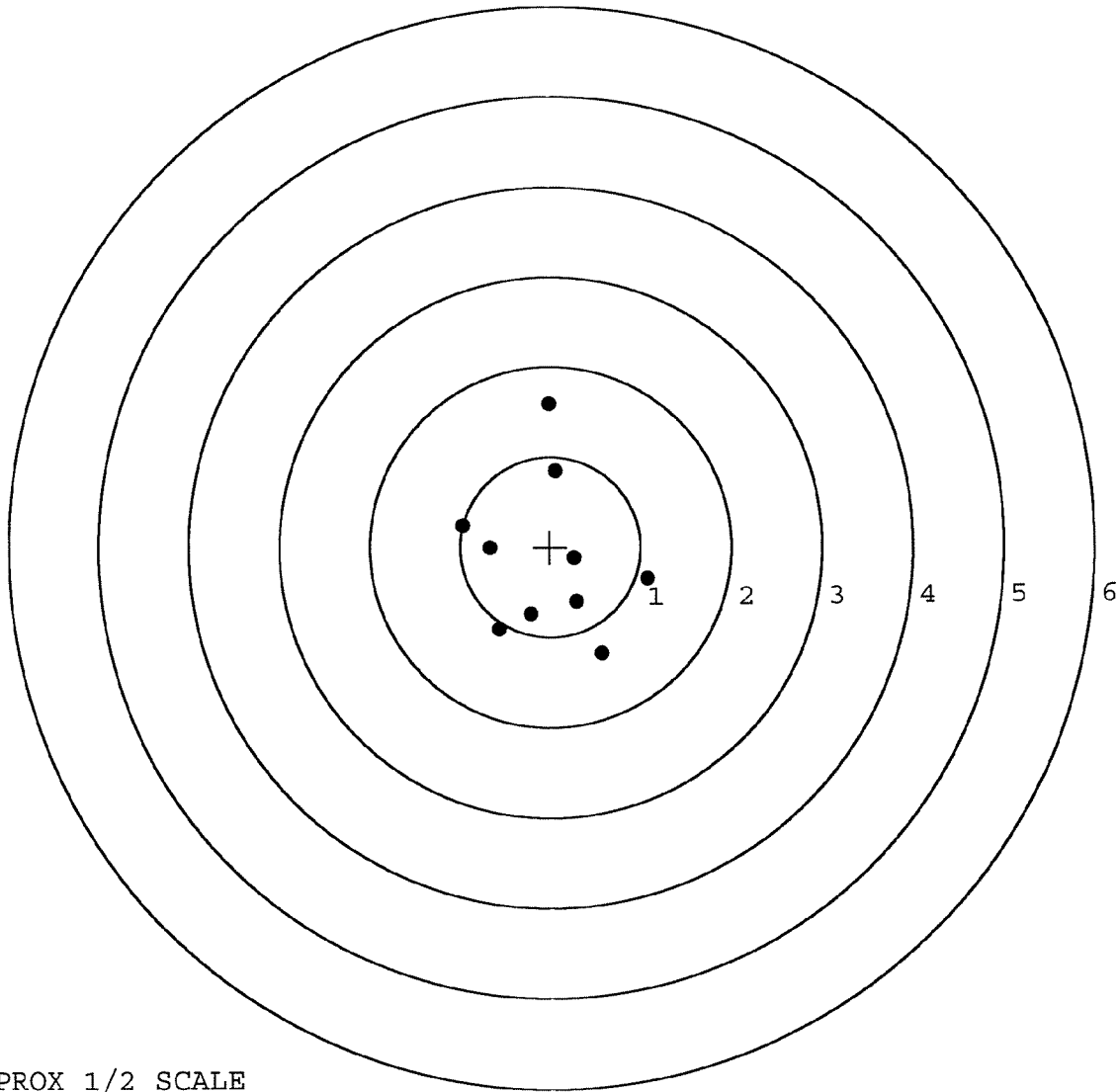


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349188. 0
 TARGET NUMBER: 5
 FILE DATE: 10/28/2003
 FILE TIME: 18:58

X CENTROID: -0.017
 Y CENTROID: -0.129
 POA TO CENTROID: 0.130
 HORZ SPREAD: 2.046
 VERT SPREAD: 2.776
 GROUP SPREAD: 2.837
 MIN RADIUS: 0.282
 MAX RADIUS: 1.713
 MEAN RADIUS: 0.917
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.570	-1.192
2:	1.079	-0.355
3:	0.066	0.844
4:	-0.013	1.584
5:	-0.967	0.246
6:	-0.667	-0.009
7:	-0.569	-0.918
8:	-0.217	-0.749
9:	0.287	-0.612
10:	0.265	-0.125



TARGET APPROX 1/2 SCALE

SERIAL # C6349188 INSPECTED BY: RTL
DATE REC'D: 9-30-03 DATE RET'D: 10-29-03

ITEM

BARREL ASSEMBLY

☒ BARREL
☒ RECEIVER
☒ FRONT SIGHT BASE
☒ REAR SIGHT BASE
☒ SCREWS
☒ FINISH

SCOPE ASSEMBLY

☒ SCOPE
☒ SCOPE RINGS
☒ MOUNTING SCREWS
☒ MOUNTING BASE
☒ SCREWS
☒ FINISH
☒ CLARITY

ITEM

STOCK ASSEMBLY

☒ STOCK
☒ SLING AWIVEL STUDS
☒ ADJUSTABLE
☒ BUTT PLATE
☒ LOCK NUTS
☒ BARREL CLEARANCE
☒ COLOR / FINISH

SYSTEMS CASE

☒ SCOPE CASE
☒ IRON SIGHTS
☒ DEPLOYMENT KIT

TRIGGER ASSEMBLY

☒ SAFETY OPERATION
☒ RE-SET TO FACTORY SPECS

COMMENTS:

SHIP DATE

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

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

MODEL 700™ M24

SERIAL NO.
C6349188

ORDER NO.
5716

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

Ø1



5716 C6349188

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6349/88

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 12	90	RW
600	Proof	1 12	90	EW
607	Check Headspace	1 12	90	EW
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		CS
617	Drill and Tap Sight Holes	1-19-90		EB
618	Polish Barrel	1-22-90		WB
620	Apply Coatings (Barrel Action)		1-28-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/2/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/6/90	RW
	C) Inspect Ejector Hole for Chamfer		2/6/90	RW
	D) Oil Firing Pin Ass'y		2/6/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2-8-90	FW

op. #	BARBER - M24 0109747 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			2-12-90	JH
	G) Safety Off Force	3	3	3			2-12-90	JH
	H) Trigger Pull Test & Retainability						2-8-90	JH
	I) Firing Pin Indent	.021	.021	.021			2-12-90	JH
	J) Assemble Stock						4/16/90	RW
	K) Assemble Swivel Studs						4/30/90	WB
	L) Attach Front and Rear Sight Assemblies						4/16/90	RW
	M) Iron Sight Alignment						4/16/90	RW
	N) Detach Front & Rear Sights & place in numbered container						4/16/90	RW
	O) Attach Scope to Rifle						4/17/90	WB
	P) Detach & Attach Scope 20 Times						4/17/90	WB
640	Gallery Target & Test						4-18-90	DH
	A) Time						4-18-90	DH
	B) Malfunctions						4-18-90	DH
	C) Pierced Primers						4-18-90	DH
	D) Optical Clarity of Scope						4-18-90	DH
645	Inspect for Live Ammo						4-18-90	DH
655	Final Inspection						4/26/90	WB
	A) Headspace							
	B) Trigger Pull	2.59	2.67	2.69	2.63	2.67	4/26/90	WB
	C) Function						4/30/90	WB
660	Pack						6/19/90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349188

DATE 4-16-90

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.30	2.50	2.59	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.29	2.52	2.67	
PULL #3	2.46	2.30	2.40	2.69	
PULL #4	2.43	2.29	2.51	2.63	
PULL #5	2.42	2.29	2.52	2.67	
TOTAL	12.14	11.47	12.55		
AVG.	2.42	2.29	2.51		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.33		
PULL #2	3.33	3.29		
PULL #3	3.30	3.25		
PULL #4	3.30	3.36		
PULL #5	3.35	3.39		
TOTAL	16.63	16.62		
AVG.	3.32	3.32		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.37		4.20
PULL #2	4.32	4.31		4.14
PULL #3	4.17	4.35		4.12
PULL #4	4.29	4.46		4.35
PULL #5	4.19	4.42		4.22
TOTAL	21.23	21.91		21.03
AVG.	4.24	4.38		4.21

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349188
19 Apr 1990

CENTROIDAL DISTANCES

0 TO	1	.438658
1 TO	2	.25928
1 TO	3	.288555
1 TO	4	.168345
1 TO	5	.349314

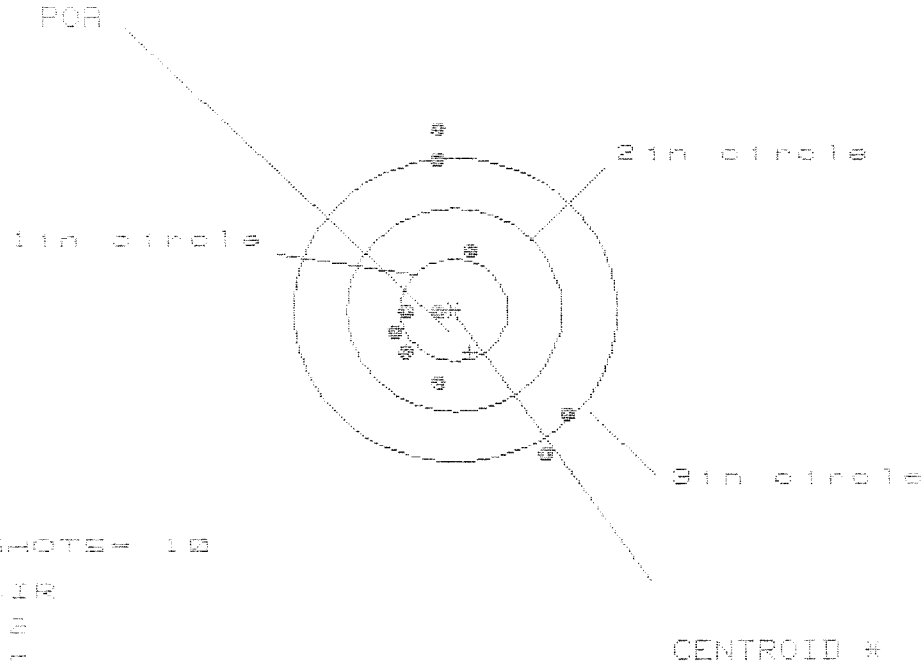
✓ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0376
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3446
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .346645
THE AMR FOR THIS RIFLE IS: .9012

18 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/063491B8

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 8

MEAN = 1.533

SE = 0.166

SE = 0.313

PATTERN #

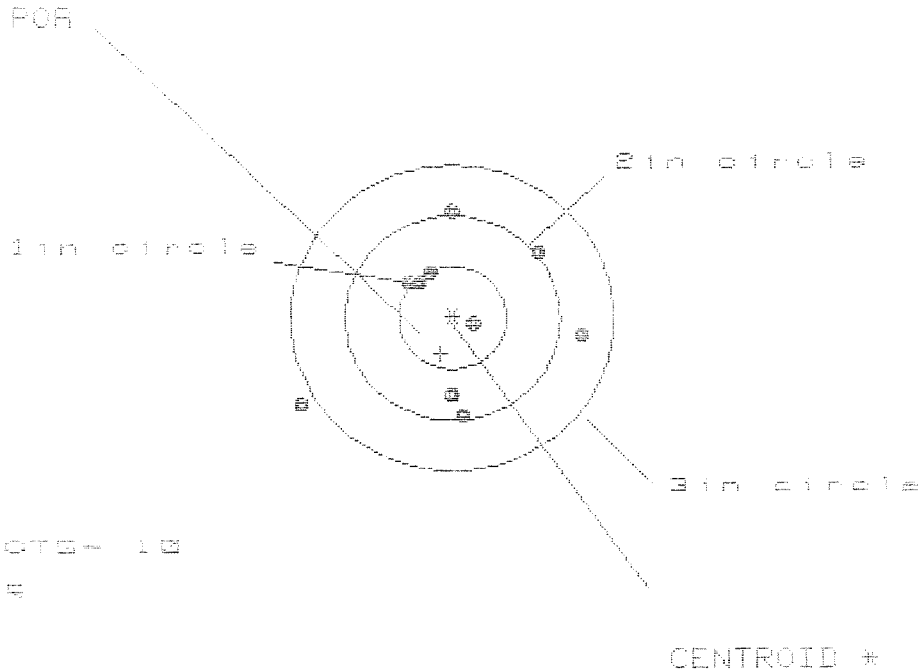
1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.024	1.007	1.107
MINIMUM X	-1.509	-1.526	-1.426
MAXIMUM Y	1.788	1.648	1.501
MINIMUM Y	-1.378	-1.180	-1.930
CENTROID X	-1.145	-1.128	-1.228
CENTROID Y	.414	.216	.363
POA TO CENTROID in.	.439	.251	.429
MIN RADIUS	.169	.260	.093
MEAN RADIUS	.935	.826	.710
MAX RADIUS	1.795	1.653	1.501
HORIZONTAL SPREAD	1.533	1.533	1.533
VERTICAL SPREAD	3.166	2.828	2.431
EXTREME SPREAD	3.313	2.975	2.681
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

18 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/083491B8

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN C15

C15 = 3

C25 = 6

C35 = 8

ME = 2.605

VE = 2.014

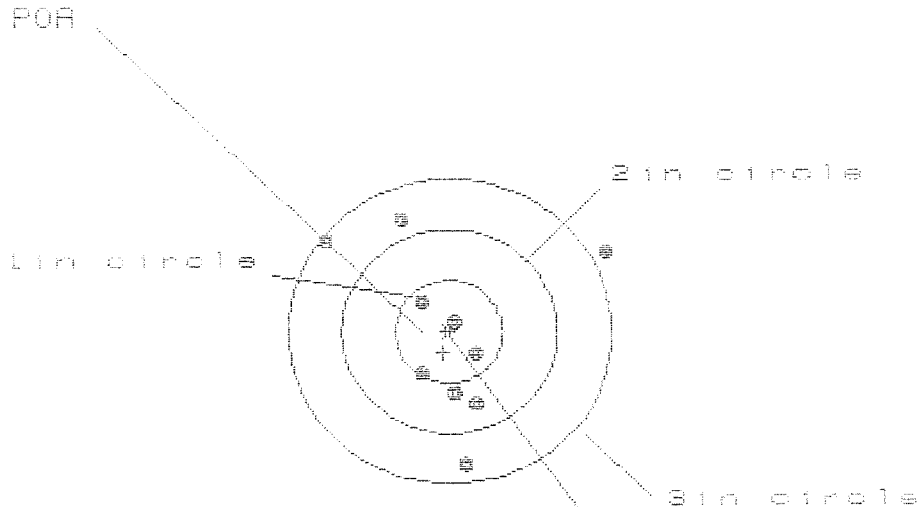
GS = 2.697

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.204	1.048	.749
MINIMUM X	-1.401	-.536	-.485
MAXIMUM Y	1.072	.972	.935
MINIMUM Y	-.942	-1.042	-1.079
CENTROID X	.106	.262	.131
CENTROID Y	.349	.449	.486
POR TO CENTROID IN.	.365	.520	.503
MIN RADIUS	.241	.196	.299
MEAN RADIUS	.837	.734	.666
MAX RADIUS	1.663	1.089	1.081
HORIZONTAL SPREAD	2.605	1.584	1.154
VERTICAL SPREAD	2.014	2.014	2.014
EXTREME SPREAD	2.697	2.017	2.017
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	9	

15 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8349168

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 4

2 in = 6

3 in = 8

HSH = 2.595

VSH = 2.400

GSH = 2.561

CENTROID #

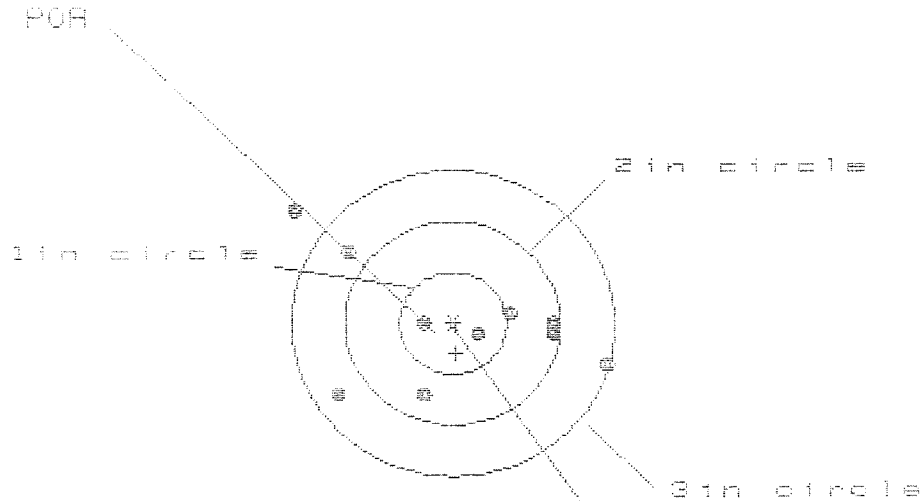
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.470	1.398	1.277
MINIMUM X	-1.125	-0.962	-0.422
MAXIMUM Y	1.075	1.158	1.283
MINIMUM Y	-1.325	-1.242	-1.117
CENTROID X	.055	-.169	.012
CENTROID Y	.206	.123	-.002
POA TO CENTROID (in.)	.213	.164	.012
MIN RADIUS	.116	.289	.279
MEAN RADIUS	.826	.734	.616
MAX RADIUS	1.648	1.388	1.351
HORIZONTAL SPREAD	2.595	1.368	.700
VERTICAL SPREAD	2.400	2.400	2.400
EXTREME SPREAD	2.601	2.563	2.469
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

15 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349188

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

MEAN = 2.893

VE = 1.836

SE = 3.256

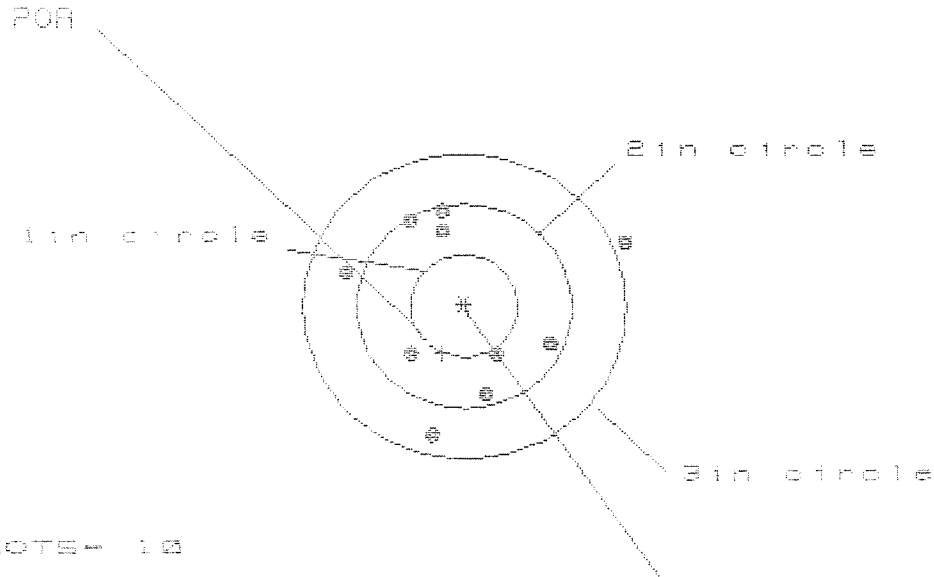
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.436	1.274	.925
MINIMUM X	-1.457	-1.183	-1.024
MAXIMUM Y	1.099	.796	.761
MINIMUM Y	-.737	-.615	-.649
CENTROID X	-.029	.133	-.026
CENTROID Y	.292	.170	.205
POA TO CENTROID in.	.294	.216	.206
MIN RADIUS	.192	.062	.181
MEAN RADIUS	.935	.804	.758
MAX RADIUS	1.825	1.382	1.233
HORIZONTAL SPREAD	2.893	2.457	1.949
VERTICAL SPREAD	1.836	1.411	1.411
EXTREME SPREAD	3.256	2.638	2.096
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	9	

19 Apr 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8345188

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 10

2 in = 7

3 in = 8

JSE = 2.570

VSE = 2.205

GSE = 2.620

PATTERN #	1	5	9	8
SHOTS (BEST OF)	10	9	9	8
MAXIMUM X	1.504	.969	.956	.956
MINIMUM X	-1.067	-.899	-.912	-.912
MAXIMUM Y	.929	1.003	.852	.852
MINIMUM Y	-1.276	-1.202	-.940	-.940
CENTROID X	.201	.034	.047	.047
CENTROID Y	.462	.388	.539	.539
POA TO CENTROID in.	.504	.390	.541	.541
MIN RADIUS	.565	.511	.644	.644
MEAN RADIUS	.973	.882	.833	.833
MAX RADIUS	1.644	1.207	1.046	1.046
HORIZONTAL SPREAD	2.570	1.868	1.868	1.868
VERTICAL SPREAD	2.205	2.205	1.792	1.792
EXTREME SPREAD	2.629	2.205	1.978	1.978
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		