

C6349207

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349207.___0
FILE DATE AND TIME: 03/11/2003 11:22

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.030
The Average Y Centroid of the Five Target Set:	-0.005
The Average Point of Impact of the Five Target Set:	0.031
The Average Mean Radius of the Five Target Set:	0.671
The Distance from POA to Centroid Target #1:	0.114
The Distance from Centroid Target #2 to Centroid Target #1:	0.163
The Distance from Centroid Target #3 to Centroid Target #1:	0.207
The Distance from Centroid Target #4 to Centroid Target #1:	0.103
The Distance from Centroid Target #5 to Centroid Target #1:	0.148

SERIAL NUMBER: C6349207. 0

TARGET NUMBER: 1

FILE DATE: 03/11/2003

FILE TIME: 11:22

POINT#	X	Y
1:	0.320	-1.079
2:	0.640	-0.680
3:	0.445	-0.097
4:	0.359	0.432
5:	0.735	0.726
6:	-0.143	0.990
7:	-0.927	0.600
8:	-0.188	0.325
9:	-0.427	0.101
10:	-0.910	-0.178

X CENTROID: -0.010

Y CENTROID: 0.114

POA TO CENTROID: 0.114

HORZ SPREAD: 1.662

VERT SPREAD: 2.069

GROUP SPREAD: 2.120

MIN RADIUS: 0.276

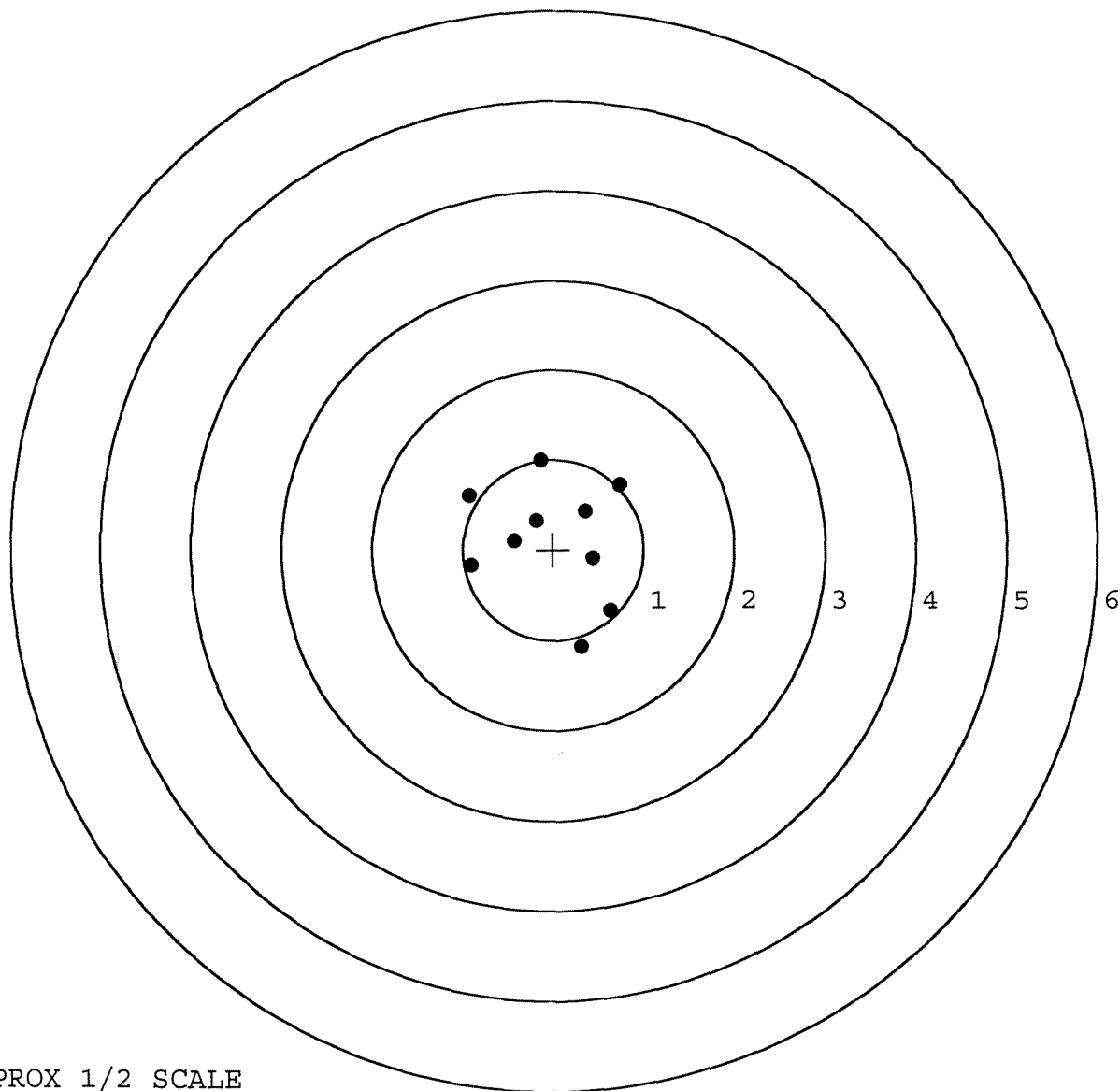
MAX RADIUS: 1.238

MEAN RADIUS: 0.778

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349207. __ 0

TARGET NUMBER: 2

FILE DATE: 03/11/2003

FILE TIME: 11:22

POINT#	X	Y
1:	-0.369	-1.237
2:	-0.100	-1.051
3:	0.183	-0.711
4:	0.639	0.297
5:	0.260	0.097
6:	0.064	0.663
7:	-0.140	0.319
8:	-0.400	0.493
9:	-0.667	0.198
10:	-0.142	0.552

X CENTROID: -0.067

Y CENTROID: -0.038

POA TO CENTROID: 0.077

HORZ SPREAD: 1.306

VERT SPREAD: 1.900

GROUP SPREAD: 1.949

MIN RADIUS: 0.354

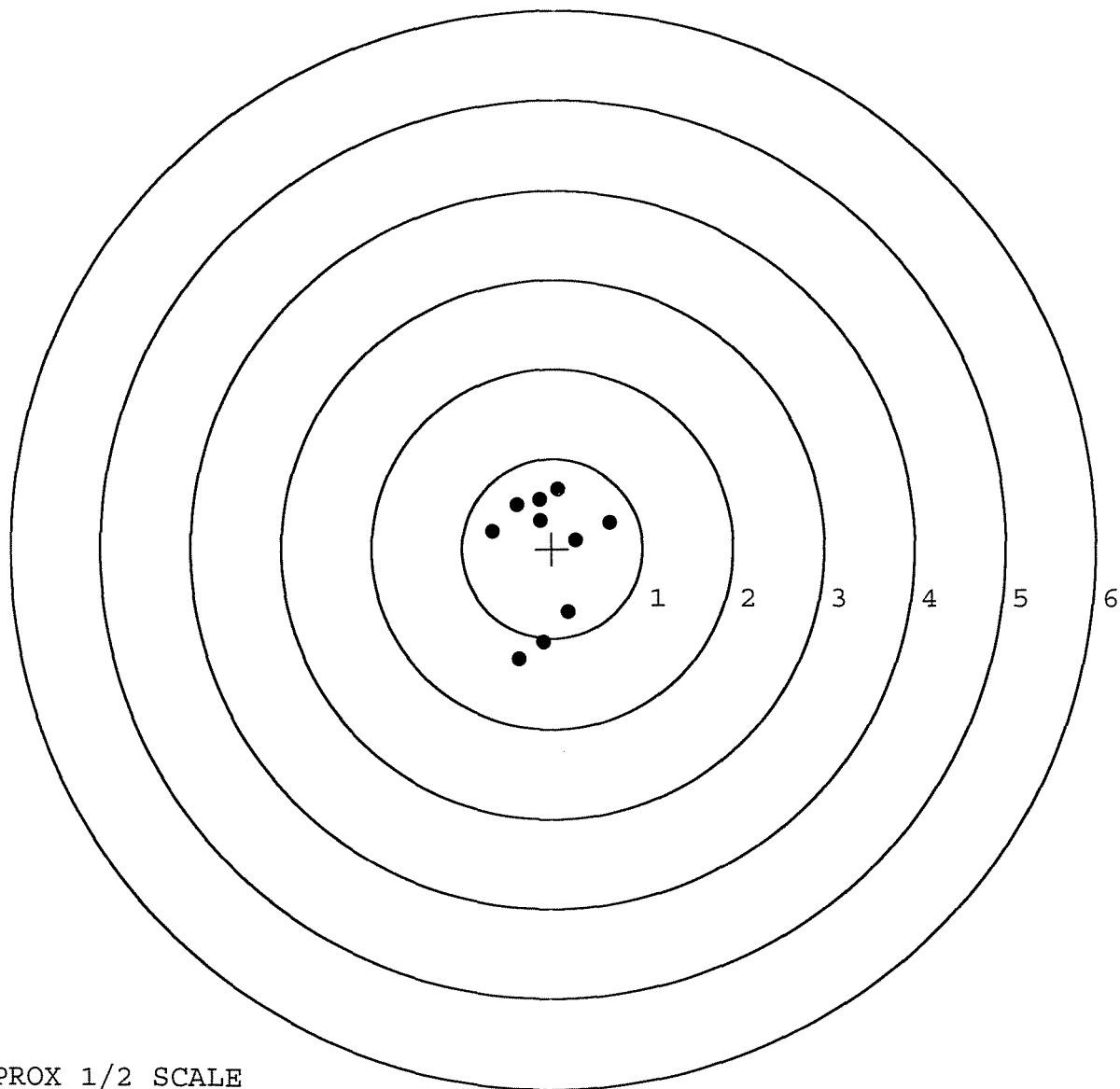
MAX RADIUS: 1.236

MEAN RADIUS: 0.705

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349207. __0

TARGET NUMBER: 3

FILE DATE: 03/11/2003

FILE TIME: 11:22

POINT#	X	Y
1:	0.719	-0.120
2:	0.136	-0.510
3:	-0.127	-0.311
4:	-0.410	-0.451
5:	-0.561	-0.372
6:	-0.775	-0.480
7:	0.247	0.012
8:	0.176	0.243
9:	-0.337	0.285
10:	0.379	0.820

X CENTROID: -0.055

Y CENTROID: -0.088

POA TO CENTROID: 0.104

HORZ SPREAD: 1.494

VERT SPREAD: 1.330

GROUP SPREAD: 1.738

MIN RADIUS: 0.234

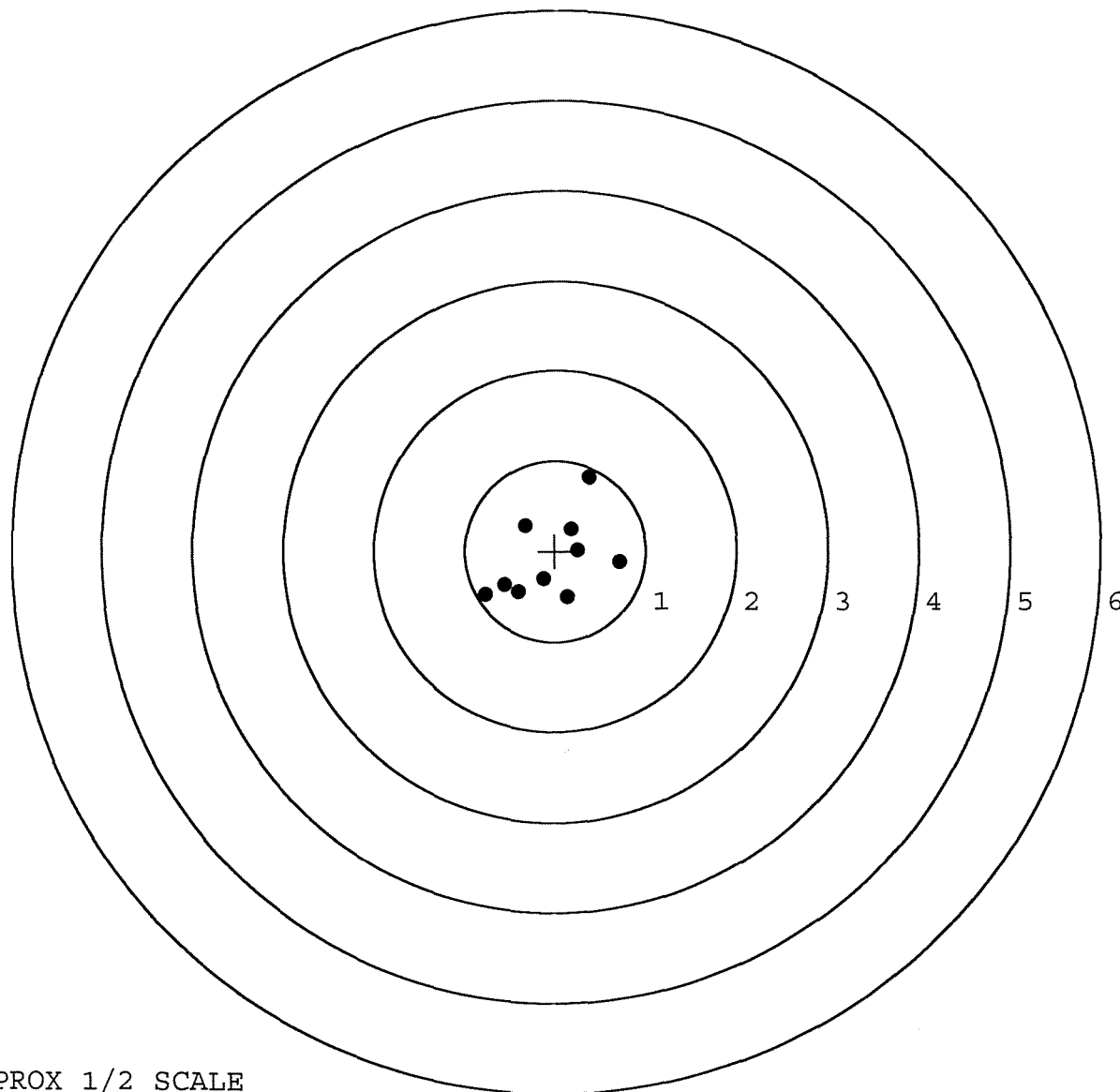
MAX RADIUS: 1.007

MEAN RADIUS: 0.558

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349207. __0

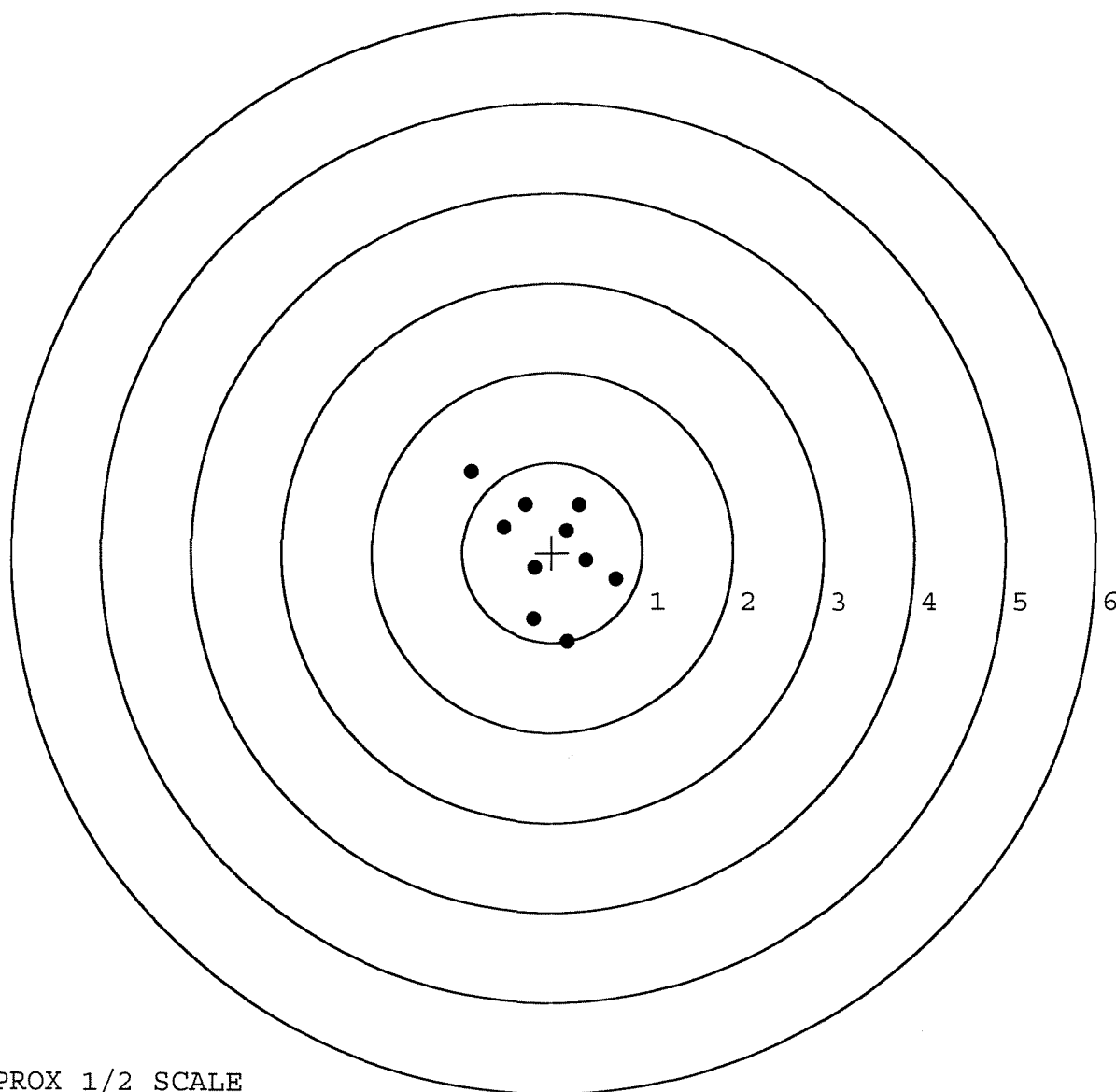
TARGET NUMBER: 4

FILE DATE: 03/11/2003

FILE TIME: 11:22

X CENTROID: -0.044
Y CENTROID: 0.017
POA TO CENTROID: 0.047
HORZ SPREAD: 1.617
VERT SPREAD: 1.894
GROUP SPREAD: 2.176
MIN RADIUS: 0.238
MAX RADIUS: 1.229
MEAN RADIUS: 0.660
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.168	-0.999
2:	-0.210	-0.746
3:	-0.196	-0.167
4:	-0.544	0.275
5:	-0.304	0.536
6:	-0.904	0.895
7:	0.300	0.527
8:	0.159	0.240
9:	0.374	-0.090
10:	0.713	-0.305



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349207. __0

TARGET NUMBER: 5

FILE DATE: 03/11/2003

FILE TIME: 11:22

X CENTROID: 0.025

Y CENTROID: -0.030

POA TO CENTROID: 0.039

HORZ SPREAD: 1.522

VERT SPREAD: 1.879

GROUP SPREAD: 1.982

MIN RADIUS: 0.252

MAX RADIUS: 1.085

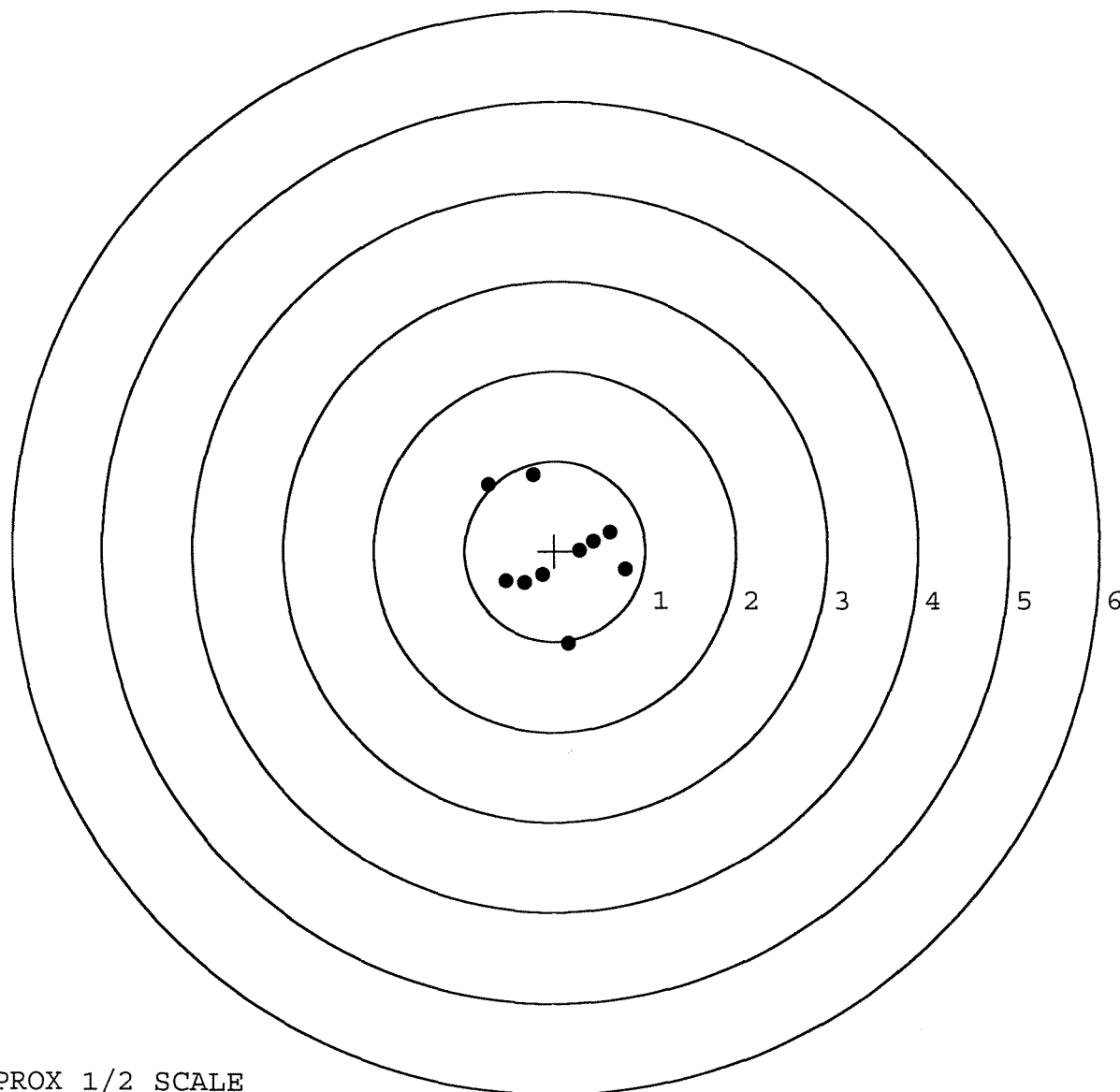
MEAN RADIUS: 0.654

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.158	-1.028
2:	0.781	-0.213
3:	0.611	0.212
4:	0.432	0.112
5:	0.276	0.001
6:	-0.140	-0.267
7:	-0.544	-0.345
8:	-0.741	0.738
9:	-0.241	0.851
10:	-0.338	-0.358



TARGET APPROX 1/2 SCALE

SERIAL # C6349207 INSPECTED BY: RTL

DATE REC'D: 2-5-03 DATE RET'D: 3-10-03

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:

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

R & E NUMBER	61181		
SERIAL NUMBER	C6349207		
LOG-IN DATE	2-5-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-10-03	EW
560 A	RE-BARREL	2-12-03	RTL
B	DRILL AND TAP	2-20-03	TRW
575	ASSEMBLE	2-13-03	RTL
600	PROOF	2-13-03	#
605	CHECK HEADSPACE	2-13-03	#
610	DIS-ASSEMBLE GUN	2-14-03	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	2/19/03	hs
618	ROTO-BLAST	2-26-03	TRW
620	APPLY COATINGS	3-3	TRW
625 A	FINAL ASSEMBLY	3-6-03	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	3-10-03	TRW
655	FINAL INSPECT	3-10-03	RTL
660	PACK	3-10-03	DA
		SHIP DATE	
	QAR INSPECTION DATE		

Remington[®]

MODEL 700TM M24

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

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

REG. U.S. PAT. & T.M. OFF.

SERIAL NO.
C6349207

ORDER NO.
5716

Ø1

UPC

0 47700 25716 7


5716 C6349207

GUN SERIAL # C6349207

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	12-20	89	RW
600	Proof	12-20	89	K
607	Check Headspace	12-20	89	K
610	Dis-assemble Gun	12-20	89	RW
612	Magnaflux Barrel Action	1-5-90		KCR
	Magnaflux Bolt	1-5-90		
615	Rollmark Caliber		1/5/90	JS
17	Drill and Tap Sight Holes		1/8/90	FB
618	Polish Barrel RB		1/9/90	WB
620	Apply Coatings (Barrel Action)		1-15-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		1/16/90 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		1/18/90	JS

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	4	4	4	1-18-90	JS
	G) Safety Off Force	2	2	2	1-18-90	JS
	H) Trigger Pull Test & Retainability				18/Mar/90	JS
	I) Firing Pin Indent	.021	.0205	.0205	1-18-90	JS
	J) Assemble Stock				3/2/90	RW
	K) Assemble Swivel Studs				3/15/90	WB
	L) Attach Front and Rear Sight Assemblies				3/2/90	RW
	M) Iron Sight Alignment				3/2/90	RW
	N) Detach Front & Rear Sights & place in numbered container				3/2/90	RW
	O) Attach Scope to Rifle				3/2/90	WB
	P) Detach & Attach Scope 20 Times				3/2/90	WB
640	Gallery Target & Test				3-6-90	J.S. Temp. Help
	A) Time					
	B) Malfunctions					
	C) Pierced Primers					
	D) Optical Clarity of Scope					
645	Inspect for Live Ammo					
655	Final Inspection				16 Mar 90	JS
	A) Headspace					
	B) Trigger Pull	233	210	215	219	212
	C) Function				16 Mar 90	JS
660	Pack				19 Mar 90	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6349207DATE 18 Jan 90TESTER VJL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.13	2.42	2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.16	2.28	2.10	
PULL #3	2.12	2.25	2.18	2.15	
PULL #4	2.10	2.27	2.30	2.19	
PULL #5	2.17	2.14	2.26	2.12	
TOTAL	11.21	10.95	11.44	10.89	
AVG.	2.242	2.19	2.288	2.178	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.04	3.02		
PULL #2	2.95	2.95		
PULL #3	3.02	2.95		
PULL #4	2.98	2.95		
PULL #5	2.96	2.93		
TOTAL	14.95	14.80		
AVG.	2.99	2.96		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.03	4.01		3.91
PULL #2	4.04	4.09		3.98
PULL #3	4.07	4.00		3.90
PULL #4	4.06	4.03		4.03
PULL #5	4.05	4.11		4.07
TOTAL	20.25	20.24		19.89
AVG.	4.05	4.048		3.978

CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # 06349207
 6 Mar 1990

CENTROIDAL DISTANCES

0	TO	1	.613209
1	TO	2	.505668
1	TO	3	1.76592
1	TO	4	.343996
1	TO	5	.552537

$\frac{1}{n} \sum_{i=1}^n x_i$ <----POB
 $\frac{1}{n} \sum_{i=1}^n y_i$

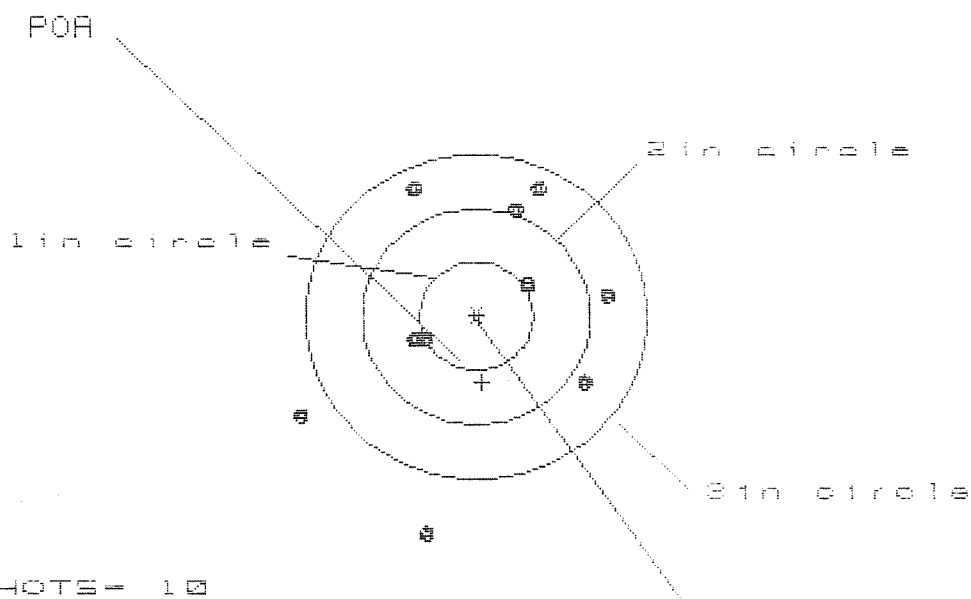
3

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1908
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0086
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .190984
 THE AMR FOR THIS RIFLE IS: .9376

6 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349287

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 3

3 in = 8

HS= 2.702

VS= 3.193

GS= 3.321

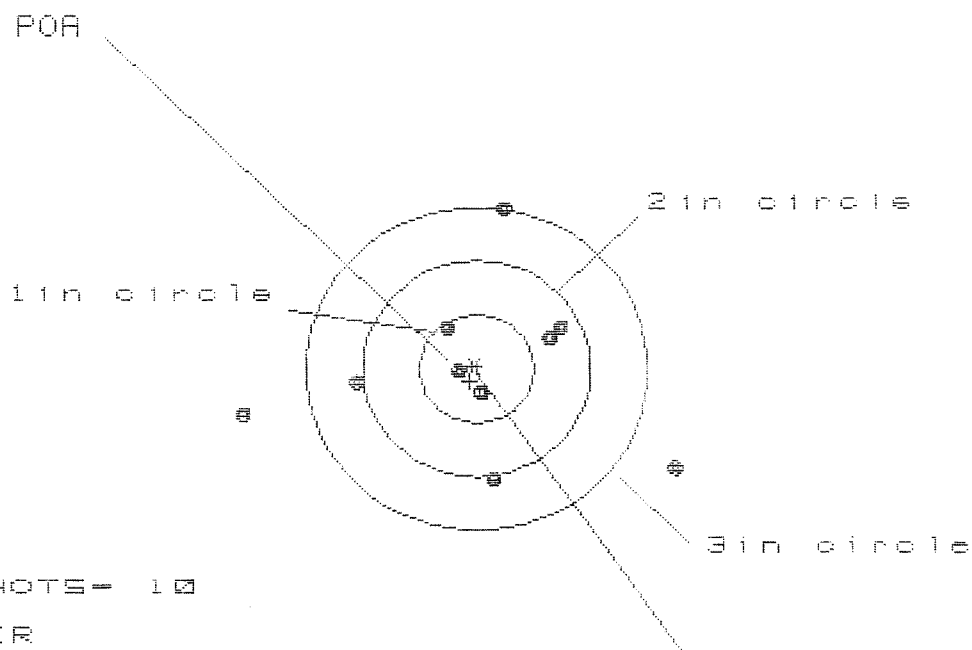
PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.180	1.133	.936
MINIMUM X	:	-1.522	-1.569	-.830
MAXIMUM Y	:	1.214	.994	.855
MINIMUM Y	:	-1.980	-1.112	-.986
CENTROID X	:	-.052	-.005	.192
CENTROID Y	:	.611	.831	.970
POA TO CENTROID in.	:	.614	.831	.989
MIN RADIUS	:	.453	.372	.183
MEAN RADIUS	:	1.139	1.012	.858
MAX RADIUS	:	2.025	1.924	1.236
HORIZONTAL SPREAD	:	2.702	2.702	1.766
VERTICAL SPREAD	:	3.193	2.106	1.841
EXTREME SPREAD	:	3.321	2.926	2.302
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	8		

8 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349207

CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 7

HS= 3.779

VS= 2.467

GS= 3.812

CENTROID #

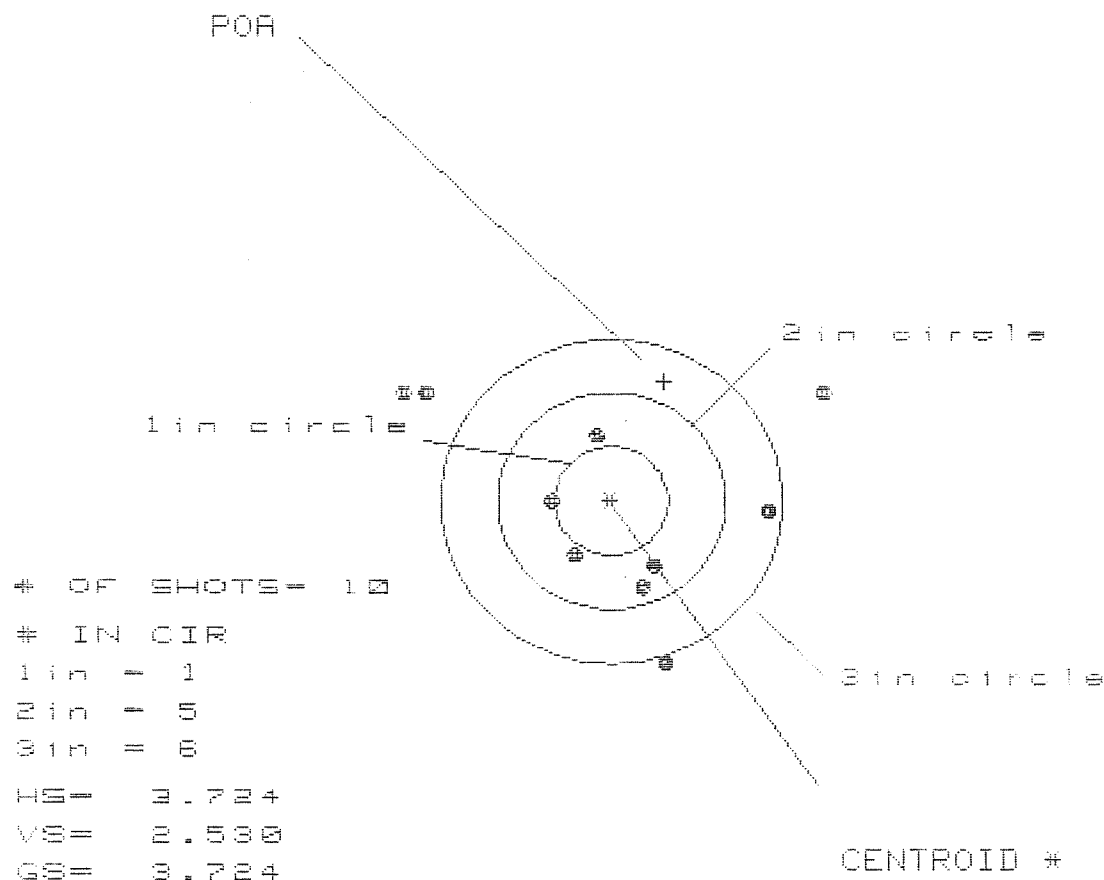
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.700	1.469	.745
MINIMUM X	:	-2.079	-1.322	-1.139
MAXIMUM Y	:	1.500	1.457	1.342
MINIMUM Y	:	-.967	-1.010	-1.125
CENTROID X	:	.056	.287	.104
CENTROID Y	:	.117	.160	.275
POA TO CENTROID in.	:	.130	.329	.294
MIN RADIUS	:	.120	.328	.259
MEAN RADIUS	:	.998	.883	.751
MAX RADIUS	:	2.115	1.736	1.350
HORIZONTAL SPREAD	:	3.779	2.791	1.884
VERTICAL SPREAD	:	2.467	2.467	2.467
EXTREME SPREAD	:	3.812	2.893	2.467
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

6 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349207

CENTERFIRE PATTERNS

3

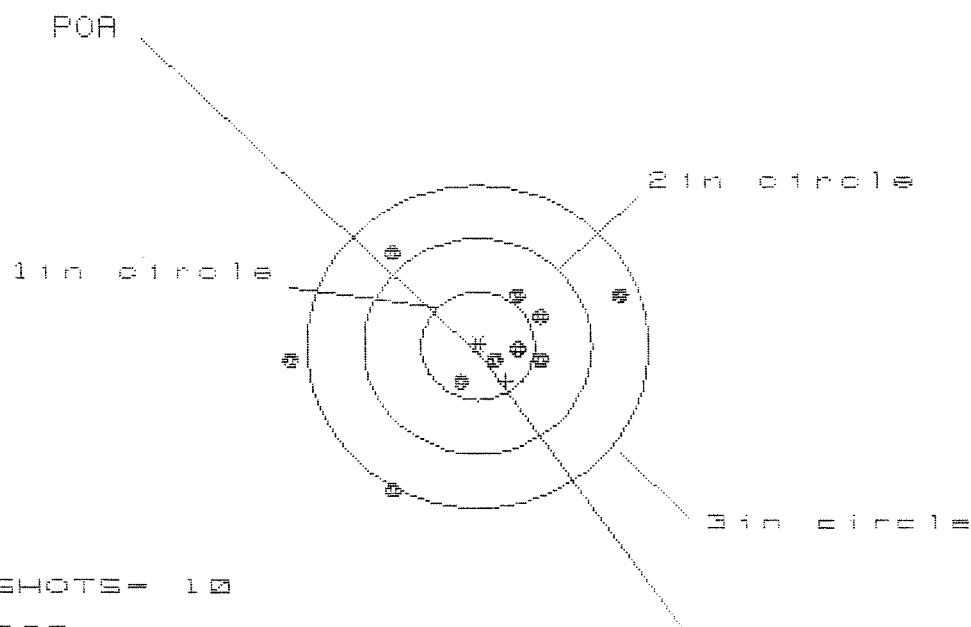


PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.894	1.561	1.359
MINIMUM X	:	-1.830	-1.619	-1.611
MAXIMUM Y	:	1.003	1.111	1.206
MINIMUM Y	:	-1.527	-1.419	-1.280
CENTROID X	:	-.473	-.684	-.481
CENTROID Y	:	-1.104	-1.212	-1.351
POA TO CENTROID in.	:	1.201	1.392	1.434
MIN RADIUS	:	.499	.311	.341
MEAN RADIUS	:	1.227	1.097	.956
MAX RADIUS	:	2.130	1.964	2.012
HORIZONTAL SPREAD	:	3.724	3.180	2.969
VERTICAL SPREAD	:	2.530	2.530	2.486
EXTREME SPREAD	:	3.724	3.394	3.223
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		6	

6 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349207

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 2.861

VS= 2.217

GS= 2.923

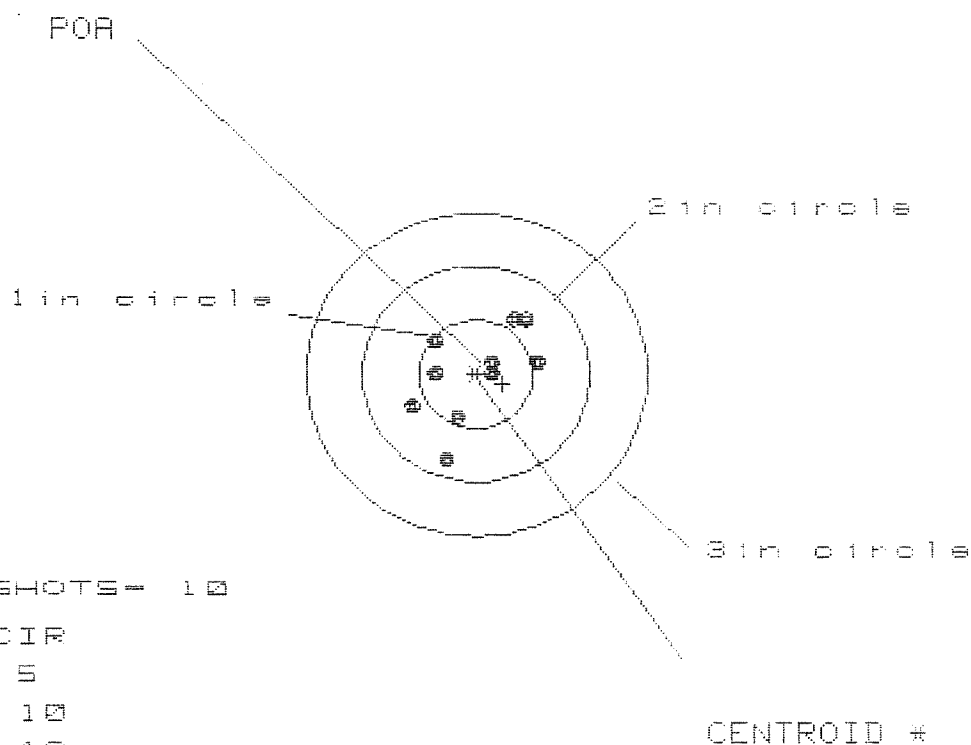
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.216	1.033	.921
MINIMUM X	:	-1.645	-.929	-1.041
MAXIMUM Y	:	.862	.848	.677
MINIMUM Y	:	-1.355	-1.369	-1.498
CENTROID X	:	-.249	-.066	.046
CENTROID Y	:	.329	.343	.514
POA TO CENTROID in.	:	.412	.349	.516
MIN RADIUS	:	.216	.160	.231
MEAN RADIUS	:	.842	.696	.561
MAX RADIUS	:	1.650	1.635	1.242
HORIZONTAL SPREAD	:	2.861	1.962	1.962
VERTICAL SPREAD	:	2.217	2.217	1.175
EXTREME SPREAD	:	2.923	2.657	2.000
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

6 Mar 1999

FILE:/PATTERNING/CENTERFIRE_PATT/08349287

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 5

2 in = 10

3 in = 10

HS = 1.084

VS = 1.305

GS = 1.482

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.558	.529	.585
MINIMUM X	:	-.526	-.555	-.499
MAXIMUM Y	:	.478	.386	.433
MINIMUM Y	:	-.827	-.446	-.399
CENTROID X	:	-.236	-.207	-.263
CENTROID Y	:	.090	.182	.135
POA TO CENTROID in.	:	.253	.276	.296
MIN RADIUS	:	.136	.123	.161
MEAN RADIUS	:	.482	.429	.410
MAX RADIUS	:	.867	.655	.587
HORIZONTAL SPREAD	:	1.084	1.084	1.084
VERTICAL SPREAD	:	1.305	.832	.832
EXTREME SPREAD	:	1.492	1.237	1.141
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		10	
NUMBER IN THREE INCH CIRCLE	=		10	