

C6349186

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

For use of this form, see DA PAM 738-750 and 738-751: the proponent agency is DCSLOG

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DA FORM 2404, APR 79 Replaces edition of 1 Jan 64, which will be used USAPPC V1.10

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349186.__0
FILE DATE AND TIME: 10/19/2004 06:52

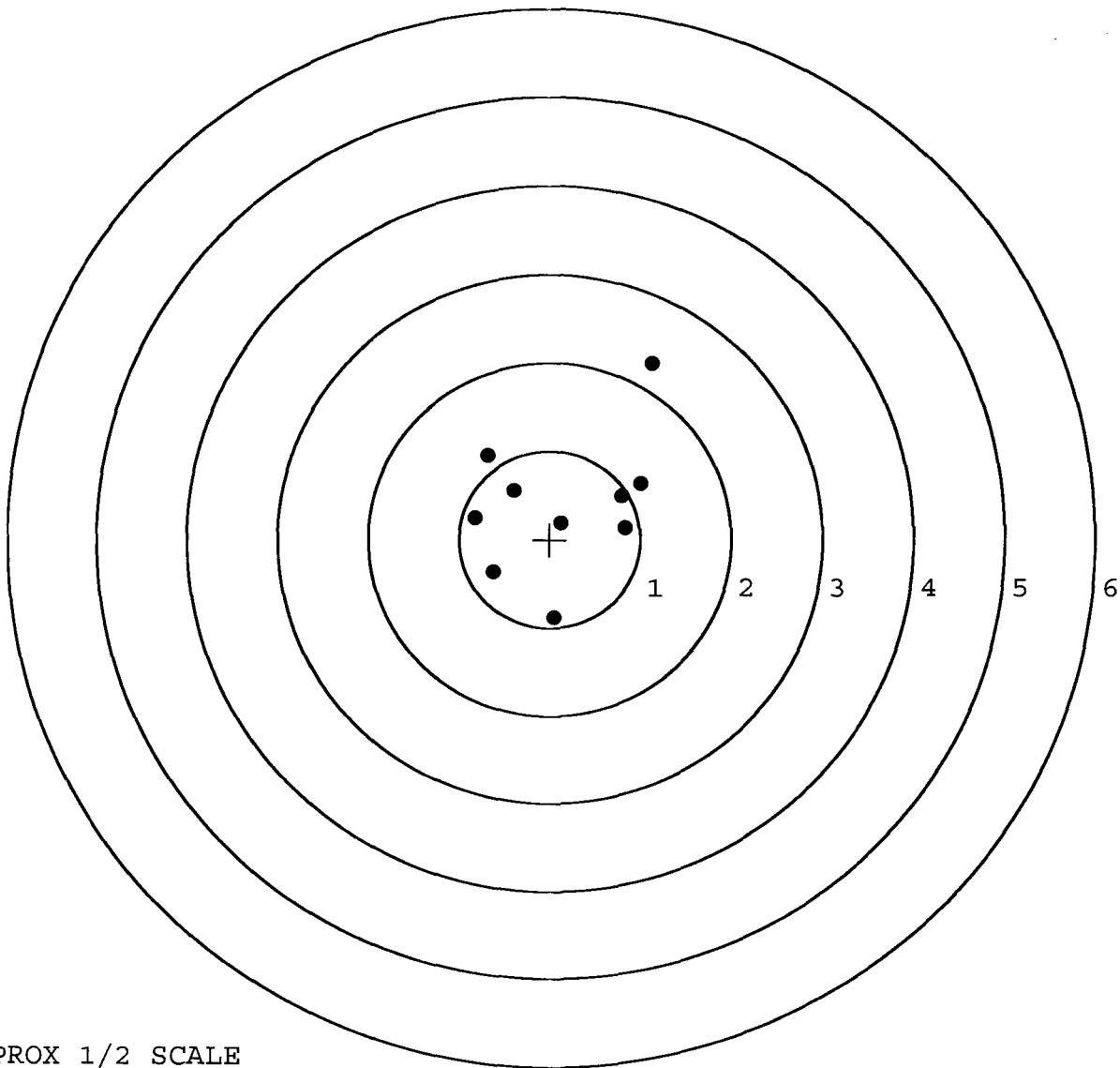
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.002
The Average Y Centroid of the Five Target Set:	-0.067
The Average Point of Impact of the Five Target Set:	0.067
The Average Mean Radius of the Five Target Set:	0.814
The Distance from POA to Centroid Target #1:	0.416
The Distance from Centroid Target #2 to Centroid Target #1:	1.065
The Distance from Centroid Target #3 to Centroid Target #1:	0.539
The Distance from Centroid Target #4 to Centroid Target #1:	0.473
The Distance from Centroid Target #5 to Centroid Target #1:	0.318

SERIAL NUMBER: C6349186. 0
TARGET NUMBER: 1
FILE DATE: 10/19/2004
FILE TIME: 06:52

X CENTROID: 0.142
Y CENTROID: 0.391
POA TO CENTROID: 0.416
HORZ SPREAD: 1.954
VERT SPREAD: 2.884
GROUP SPREAD: 3.078
MIN RADIUS: 0.211
MAX RADIUS: 1.881
MEAN RADIUS: 0.930
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.840	0.130
2:	0.798	0.493
3:	1.005	0.633
4:	1.128	1.992
5:	-0.686	0.951
6:	-0.399	0.547
7:	0.127	0.180
8:	-0.826	0.245
9:	-0.621	-0.373
10:	0.053	-0.892



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349186. 0

TARGET NUMBER: 2

FILE DATE: 10/19/2004

FILE TIME: 06:52

X CENTROID: -0.195

Y CENTROID: -0.620

POA TO CENTROID: 0.650

HORZ SPREAD: 2.243

VERT SPREAD: 2.761

GROUP SPREAD: 2.764

MIN RADIUS: 0.793

MAX RADIUS: 1.466

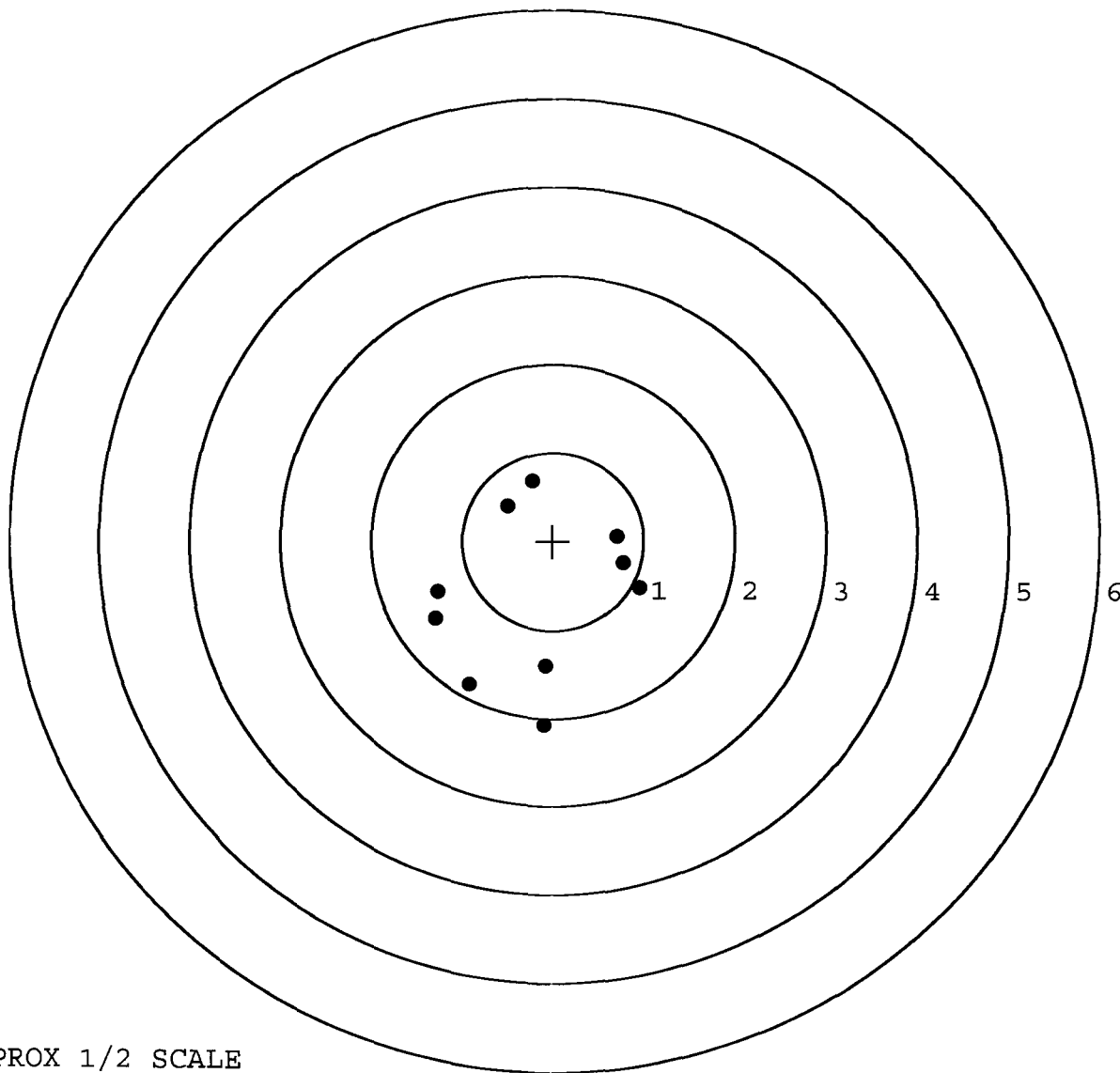
MEAN RADIUS: 1.137

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 1

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.098	-2.083
2:	-0.082	-1.405
3:	-0.922	-1.609
4:	-1.289	-0.879
5:	-1.267	-0.578
6:	0.954	-0.523
7:	0.780	-0.245
8:	0.710	0.055
9:	-0.229	0.678
10:	-0.502	0.392

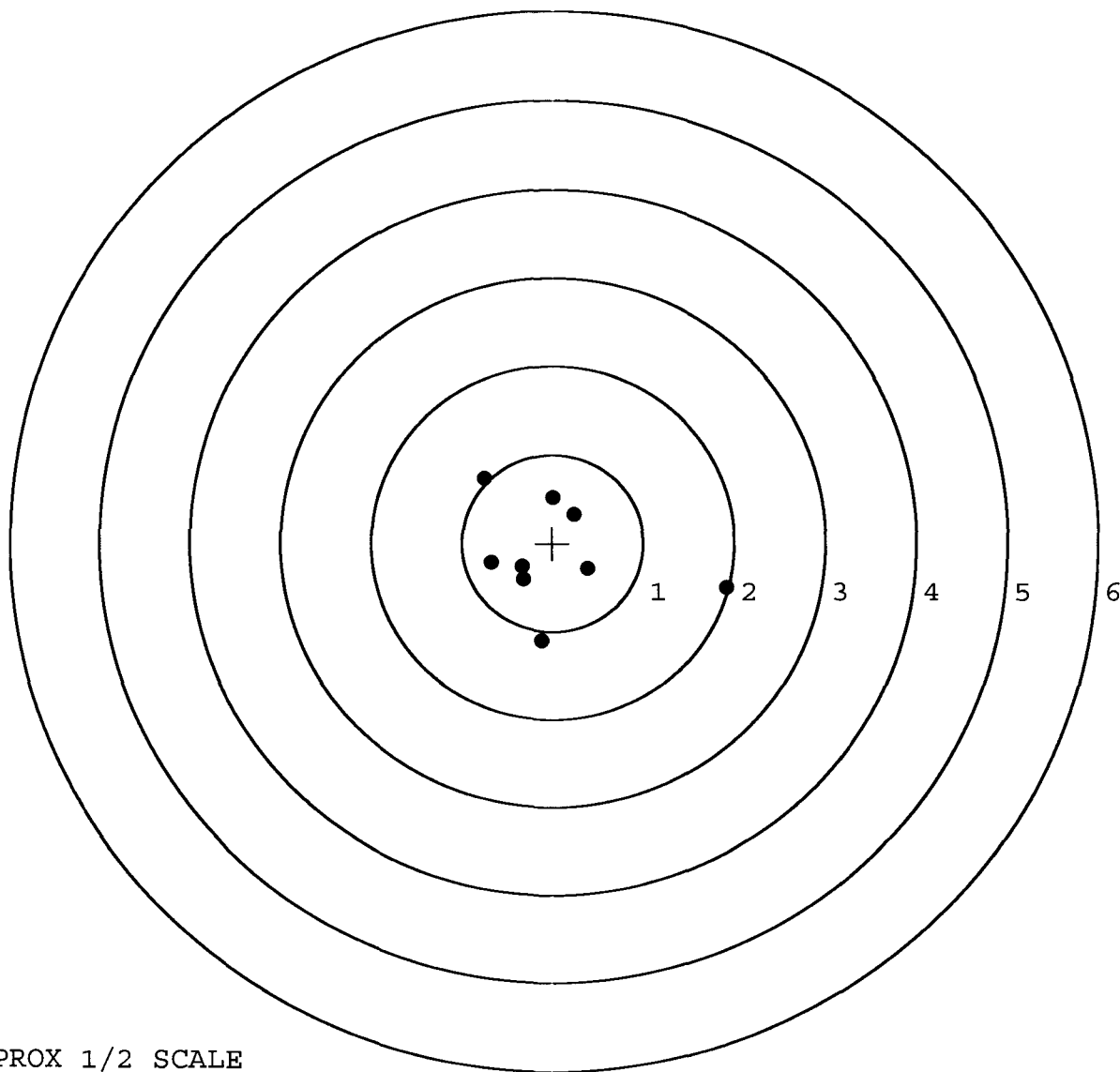


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349186. 0
TARGET NUMBER: 3
FILE DATE: 10/19/2004
FILE TIME: 06:52

X CENTROID: 0.037
Y CENTROID: -0.138
POA TO CENTROID: 0.143
HORZ SPREAD: 2.676
VERT SPREAD: 1.841
GROUP SPREAD: 2.946
MIN RADIUS: 0.383
MAX RADIUS: 1.915
MEAN RADIUS: 0.798
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.917	-0.502
2:	0.389	-0.289
3:	-0.123	-1.111
4:	-0.335	-0.272
5:	-0.320	-0.417
6:	-0.674	-0.224
7:	-0.759	0.730
8:	0.001	0.515
9:	0.238	0.325



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349186. __0

TARGET NUMBER: 4

FILE DATE: 10/19/2004

FILE TIME: 06:52

X CENTROID: 0.008

Y CENTROID: -0.064

POA TO CENTROID: 0.064

HORZ SPREAD: 1.338

VERT SPREAD: 1.507

GROUP SPREAD: 1.556

MIN RADIUS: 0.254

MAX RADIUS: 1.057

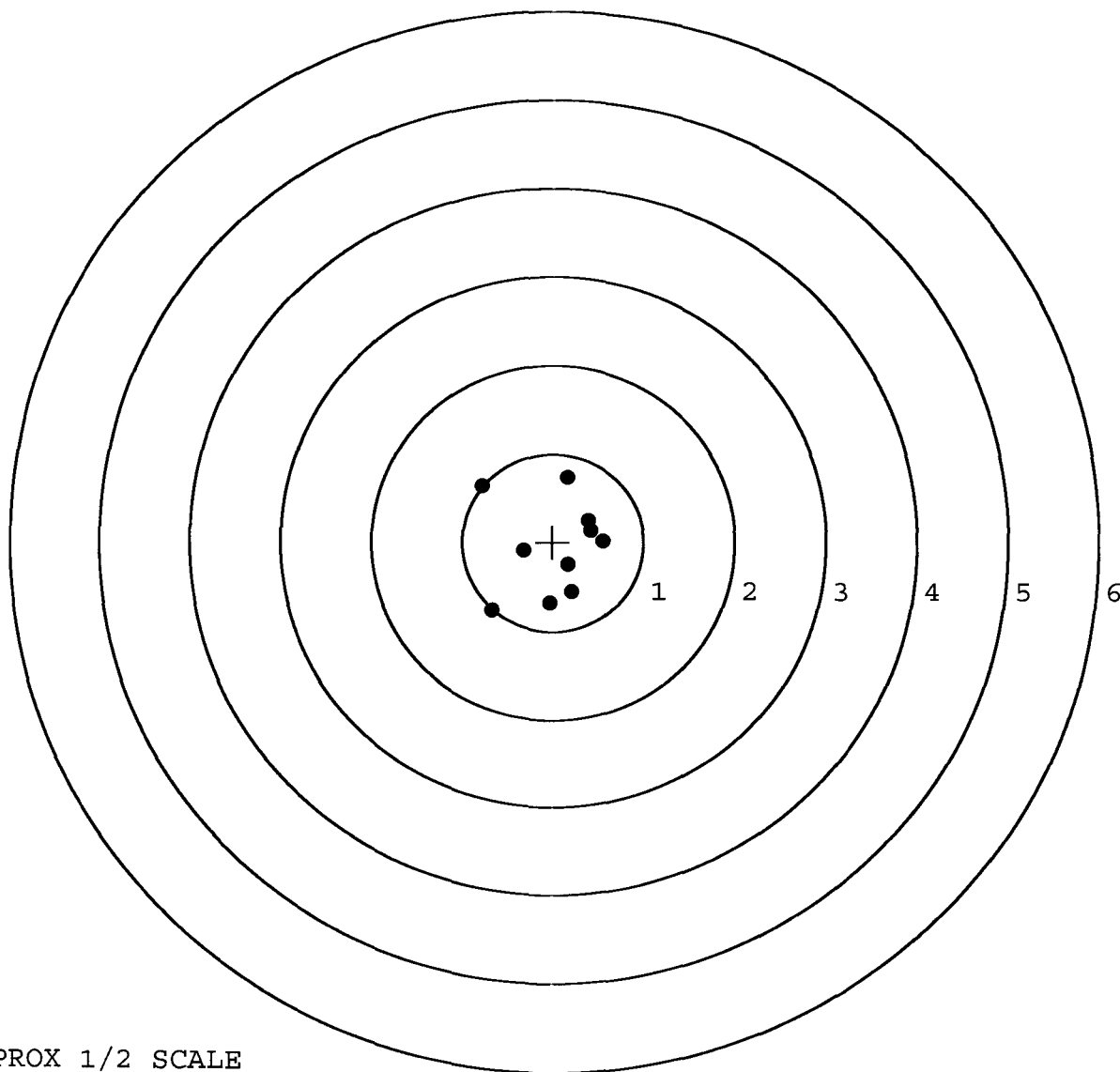
MEAN RADIUS: 0.610

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.161	0.736
2:	0.391	0.244
3:	0.415	0.128
4:	0.555	0.007
5:	-0.783	0.637
6:	-0.326	-0.106
7:	0.170	-0.260
8:	-0.668	-0.771
9:	-0.037	-0.687
10:	0.207	-0.564

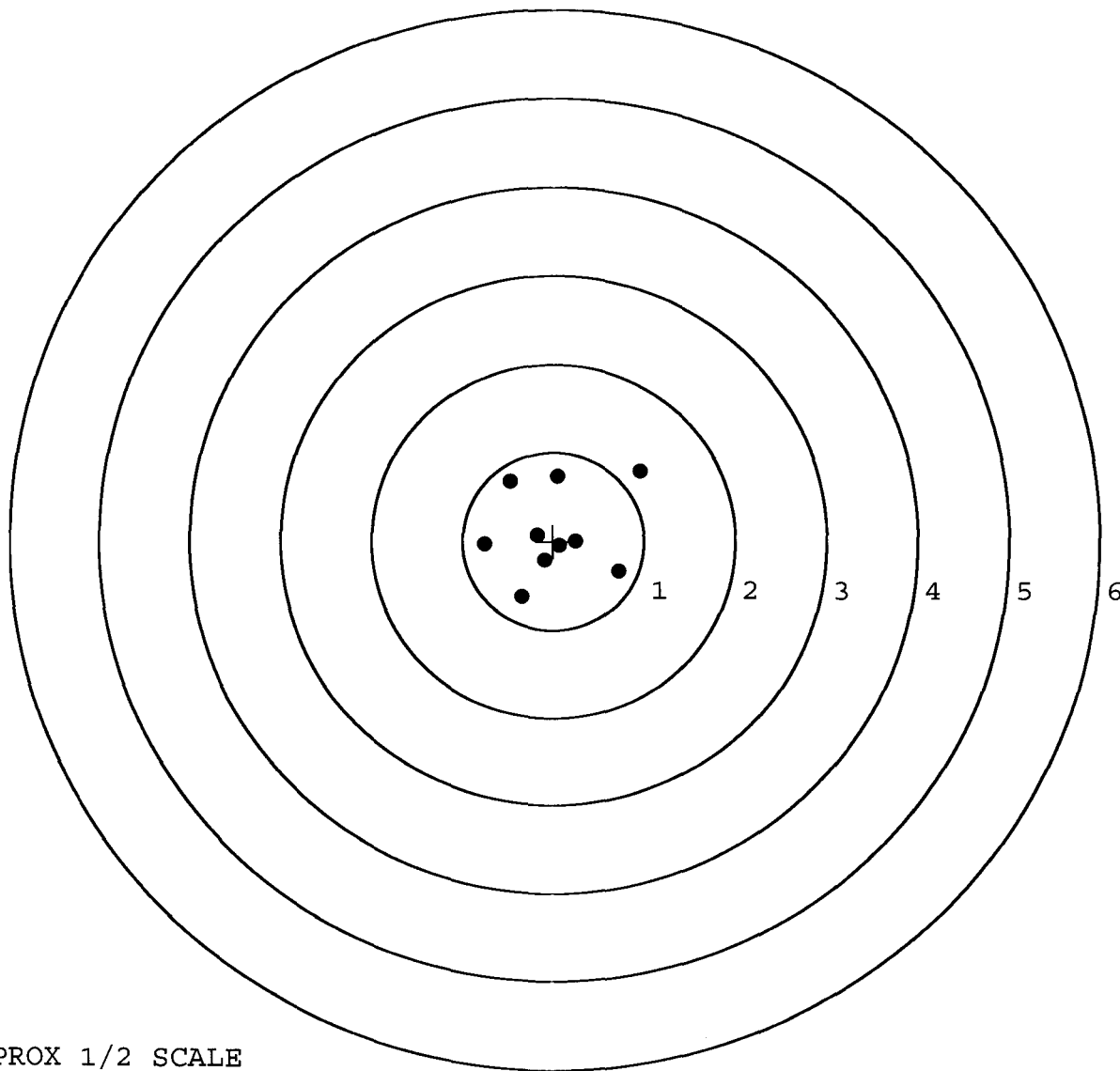


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349186. 0
TARGET NUMBER: 5
FILE DATE: 10/19/2004
FILE TIME: 06:52

X CENTROID: 0.018
Y CENTROID: 0.098
POA TO CENTROID: 0.100
HORZ SPREAD: 1.713
VERT SPREAD: 1.426
GROUP SPREAD: 1.935
MIN RADIUS: 0.155
MAX RADIUS: 1.168
MEAN RADIUS: 0.593
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.724	-0.339
2:	0.957	0.793
3:	0.047	0.729
4:	-0.479	0.667
5:	-0.756	-0.037
6:	-0.351	-0.633
7:	0.247	-0.004
8:	-0.098	-0.217
9:	-0.176	0.070
10:	0.067	-0.049



TARGET APPROX 1/2 SCALE

R & E NUMBER	8 5589		
SERIAL NUMBER	E6349186 C6349186 ^{RTL}		
LOG-IN DATE	9-28-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-29-04	RTL
560 A	RE-BARREL	10-6-04	AC
B	DRILL AND TAP	10-8-04	TRW
575	ASSEMBLE	10-6-04	RTL
600	PROOF	10-7-04	RTL
605	CHECK HEADSPACE	10-7-04	RTL
610	DIS-ASSEMBLE GUN	10-7-04	RTL
612	MAGNAFLUX	10-11-04	SB/CW
615	ROLLMARK CALIBER	10-11-04	2B
618	ROTO-BLAST	10/14/04	
620	APPLY COATINGS	10-17-04	RTL
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-19-04	TRW
655	FINAL INSPECT	10-25-04	RTL
660	PACK	11-5-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

Remington®



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

MODEL 700™ M24

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

Ø1

SERIAL NO.

C6349186

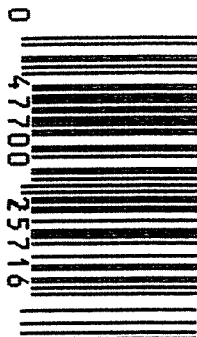
ORDER NO.

5716



5716 C6349186

UPC



0 47700 25716 7

GUN SERIAL # C6349186

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	12-20 89	RW
600	Proof		12-20 89	A
607	Check Headspace		12-20 89	A
610	Dis-assemble Gun		12-20 89	RW
612	Magnaflux Barrel Action		1-5-90	KCR
	Magnaflux Bolt		1-5-90	
615	Rollmark Caliber		4/5/90	JS
17	Drill and Tap Sight Holes		1/8/90	FB
618	Polish Barrel <i>RW</i>		1/9/90	WB
620	Apply Coatings (Barrel Action)		1-15-90	JA
	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		17 Jan 90	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			1-14-90	JH
	G) Safety Off Force	3	3	3			1-19-90	JH
	H) Trigger Pull Test & Retainability						1/16/90	JH
	I) Firing Pin Indent	020	020	0205			1-19-90	JH
	J) Assemble Stock						3/6/90	RW
	K) Assemble Swivel Studs						3/13/90	WB
	L) Attach Front and Rear Sight Assemblies						3/6/90	RW
	M) Iron Sight Alignment						3/6/90	RW
	N) Detach Front & Rear Sights & place in numbered container						3/6/90	RW
	O) Attach Scope to Rifle						3/6/90	WB
	P) Detach & Attach Scope 20 Times						3/6/90	WB
640	Gallery Target & Test						3-8-90	K
	A) Time						"	K
	B) Malfunctions						"	K
	C) Pierced Primers						"	K
	D) Optical Clarity of Scope						"	K
645	Inspect for Live Ammo						3-8-90	K
655	Final Inspection A) Headspace						3/13/90	WB
	B) Trigger Pull	2.37	2.31	2.31	2.36	2.27	3/13/90	WB
	C) Function						3/13/90	WB
660	Pack						19/10/90	JH

MOD. _____ GA. CAL. _____ GUN # C6819186

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	chip out of stock	RN AT TANG
	2nd	repaired	B-14-90 K
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6349184

DATE 17 Jun 90

TESTER 1928

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.67	2.11	2.17	2.37	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.66	2.09	2.05	2.31	
PULL #3	2.59	2.09	2.27	2.31	
PULL #4	2.63	2.49	2.12	2.36	
PULL #5	2.66	2.35	2.19	2.27	
TOTAL	13.21	11.13	10.80		
AVG.	2.642	2.226	2.16		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	2.99	3.07		
PULL #2	2.92	2.97		
PULL #3	2.92	2.56		
PULL #4	2.93	2.82		
PULL #5	2.80	2.93		
TOTAL	14.56	14.35		
AVG.	2.912	2.87		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.02	3.74		3.83
PULL #2	4.05	3.83		3.91
PULL #3	4.06	3.91		4.00
PULL #4	4.08	3.85		3.93
PULL #5	4.01	3.81		3.97
TOTAL	20.22	19.14		19.64
AVG.	4.044	3.828		3.928

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349186
8 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.491082
1 TO	2	.146485
1 TO	3	.457451
1 TO	4	.421385
1 TO	5	.807575

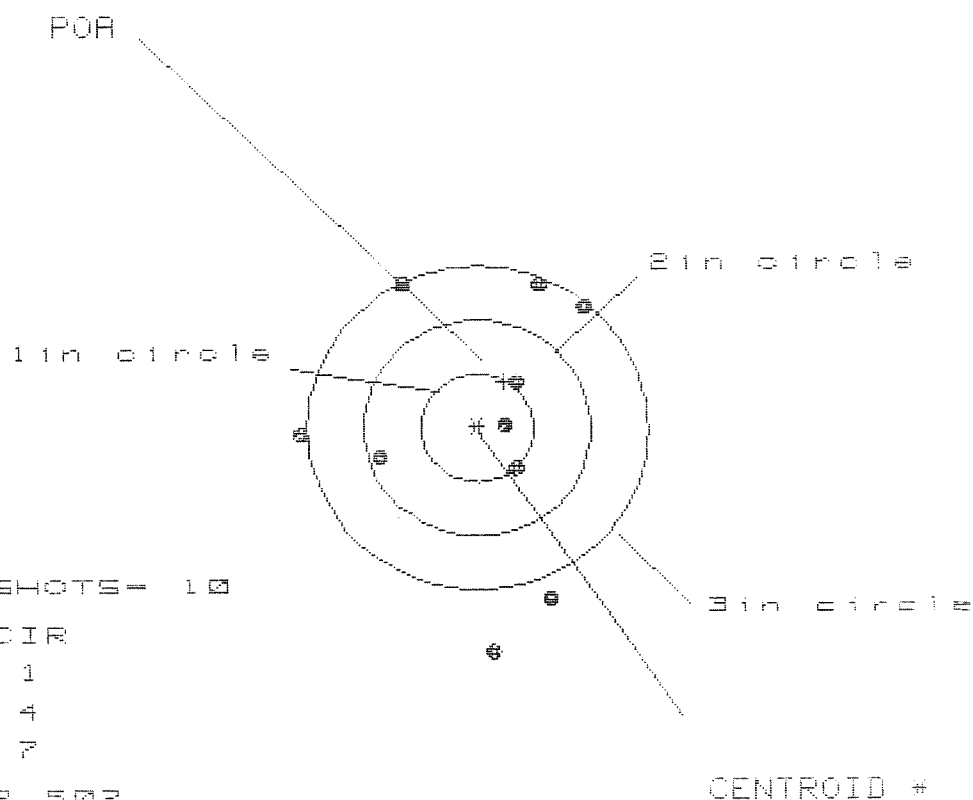
5 <----FOR
E

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0034
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2136
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .213627
THE AMR FOR THIS RIFLE IS: 1.091

8 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/083491B6

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 7

IS = 2.502

VS = 3.441

GS = 3.493

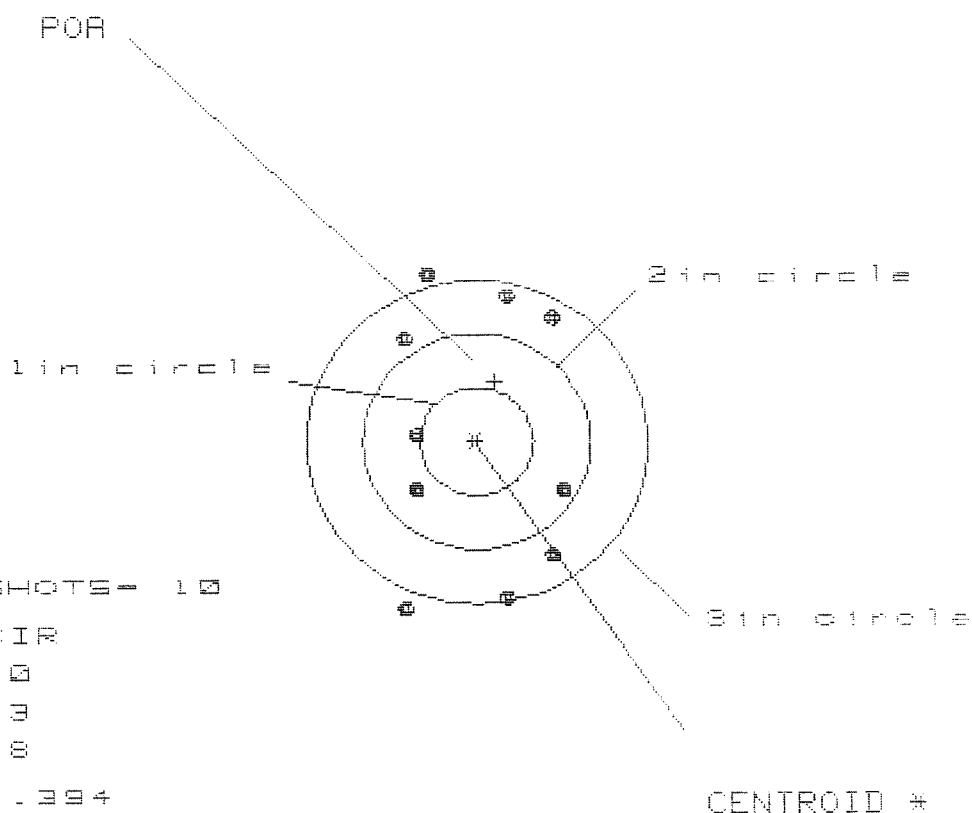
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.939	.957	1.036
MINIMUM X	-1.563	-1.545	-1.466
MAXIMUM Y	1.378	1.149	.927
MINIMUM Y	-2.063	-1.775	-1.848
CENTROID X	-.239	-.257	-.336
CENTROID Y	-.429	-.200	.022
POR TO CENTROID in.	.491	.326	.337
MIN RADIUS	.255	.347	.467
MEAN RADIUS	1.199	1.089	.995
MAX RADIUS	2.070	1.884	1.540
HORIZONTAL SPREAD	2.502	2.502	2.502
VERTICAL SPREAD	3.441	2.924	1.775
EXTREME SPREAD	3.493	3.154	2.746
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

8 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349186

CENTERFIRE PATTERNS

2



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 3

3 in = 8

HS = 1.394

VS = 3.091

GS = 3.099

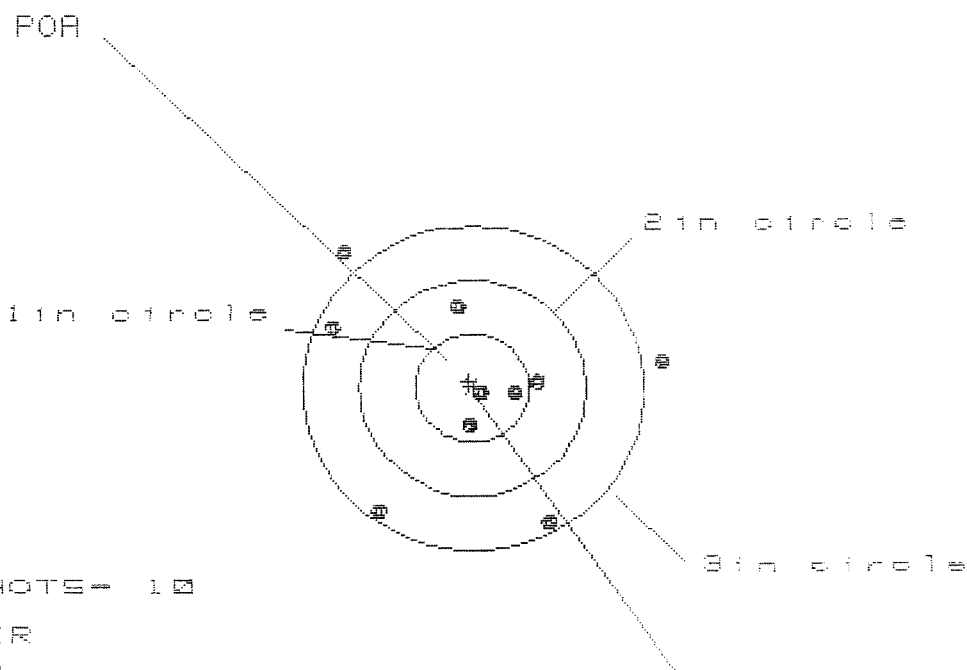
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.767	.698	.641
MINIMUM X	:	-.627	-.696	-.753
MAXIMUM Y	:	1.569	1.400	1.313
MINIMUM Y	:	-1.522	-1.624	-1.449
CENTROID X	:	-.166	-.097	-.040
CENTROID Y	:	-.556	-.387	-.562
POA TO CENTROID in.	:	.580	.399	.563
MIN RADIUS	:	.585	.589	.631
MEAN RADIUS	:	1.189	1.136	1.083
MAX RADIUS	:	1.643	1.631	1.452
HORIZONTAL SPREAD	:	1.394	1.394	1.394
VERTICAL SPREAD	:	3.091	3.024	2.762
EXTREME SPREAD	:	3.099	3.085	2.764
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

8 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C83491B3

CENTERFIRE PATTERNS

3



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 2.932

VS= 2.501

GS= 3.071

CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.677	.858	.742
MINIMUM X	-1.255	-1.068	-1.184
MAXIMUM Y	1.236	1.259	.922
MINIMUM Y	-1.265	-1.242	-1.084
CENTROID X	.030	-.157	-.041
CENTROID Y	-.059	-.082	-.240
POA TO CENTROID in.	.066	.177	.243
MIN RADIUS	.107	.295	.170
MEAN RADIUS	.964	.917	.796
MAX RADIUS	1.691	1.562	1.383
HORIZONTAL SPREAD	2.932	1.926	1.926
VERTICAL SPREAD	2.501	2.501	2.006
EXTREME SPREAD	3.071	3.071	2.636
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

8 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349166

CENTERFIRE PATTERNS

4

FOR

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 2

2in = 4

3in = 10

HS = 1.860

VS = 2.564

GS = 2.707

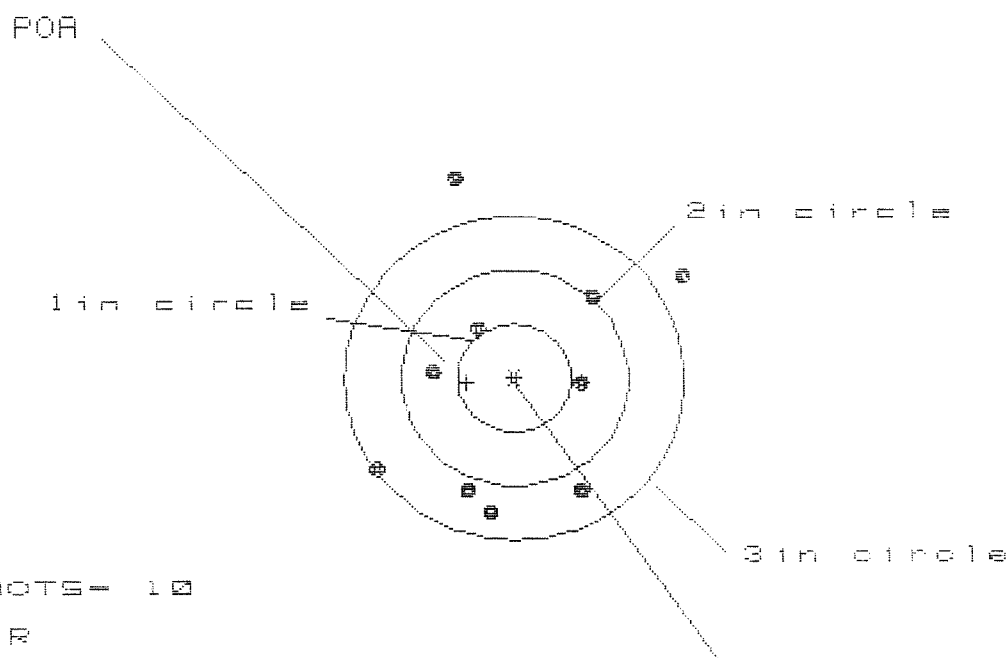
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.663	.563	.546
MINIMUM X	:	-1.197	-1.297	-1.314
MAXIMUM Y	:	1.377	1.246	1.081
MINIMUM Y	:	-1.187	-1.097	-.942
CENTROID X	:	-.025	.075	.092
CENTROID Y	:	-.066	.065	-.090
FOR TO CENTROID in.	:	.071	.100	.129
MIN RADIUS	:	.180	.300	.151
MEAN RADIUS	:	.958	.883	.809
MAX RADIUS	:	1.490	1.301	1.315
HORIZONTAL SPREAD	:	1.860	1.860	1.860
VERTICAL SPREAD	:	2.564	2.343	2.023
EXTREME SPREAD	:	2.707	2.394	2.312
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/083491B6

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 3

3 in = 8

HS= 2.633

VS= 3.168

GS= 3.181

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.451	1.398	.794
MINIMUM X	-1.182	-1.235	-1.060
MAXIMUM Y	1.896	1.180	1.111
MINIMUM Y	-1.272	-1.061	-.913
CENTROID X	.417	.470	.295
CENTROID Y	.042	-.169	-.317
POA TO CENTROID in.	.419	.500	.433
MIN RADIUS	.548	.530	.685
MEAN RADIUS	1.145	1.039	.918
MAX RADIUS	1.955	1.829	1.365
HORIZONTAL SPREAD	2.633	2.633	1.854
VERTICAL SPREAD	3.168	2.241	2.024
EXTREME SPREAD	3.181	3.172	2.417
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	8		