

C6523404

MODEL 700™ M24

Model SWS™

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523404.___0

FILE DATE AND TIME: 11/01/2007 21:48

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.021
The Average Y Centroid of the Five Target Set:	0.137
The Average Point of Impact of the Five Target Set:	0.139
The Average Mean Radius of the Five Target Set:	0.675
The Distance from POA to Centroid Target #1:	0.124
The Distance from Centroid Target #2 to Centroid Target #1:	0.687
The Distance from Centroid Target #3 to Centroid Target #1:	0.320
The Distance from Centroid Target #4 to Centroid Target #1:	0.306
The Distance from Centroid Target #5 to Centroid Target #1:	0.090

SERIAL NUMBER: C6523404. __0

TARGET NUMBER: 1

FILE DATE: 11/01/2007

FILE TIME: 21:48

X CENTROID: -0.058

Y CENTROID: -0.110

POA TO CENTROID: 0.124

HORZ SPREAD: 1.538

VERT SPREAD: 2.949

GROUP SPREAD: 2.972

MIN RADIUS: 0.302

MAX RADIUS: 1.994

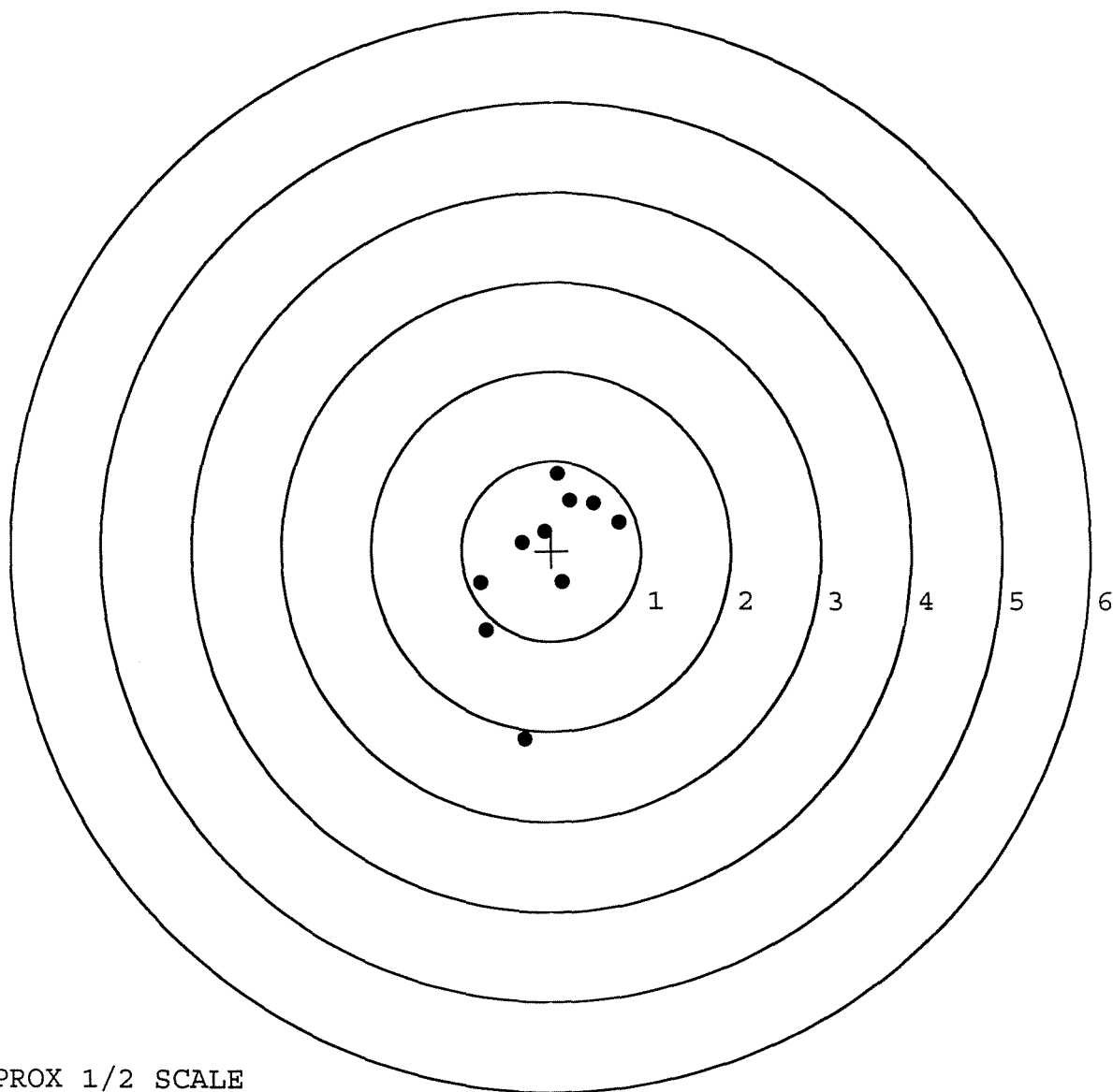
MEAN RADIUS: 0.820

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.071	0.859
2:	0.202	0.558
3:	0.468	0.533
4:	0.757	0.320
5:	-0.074	0.217
6:	-0.327	0.098
7:	0.125	-0.351
8:	-0.781	-0.359
9:	-0.722	-0.886
10:	-0.298	-2.090



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523404. __0

TARGET NUMBER: 2

FILE DATE: 11/01/2007

FILE TIME: 21:48

POINT#	X	Y
1:	0.258	-0.191
2:	0.163	-0.583
3:	0.288	-0.477
4:	0.610	-0.549
5:	0.616	0.507
6:	0.846	1.242
7:	-0.497	0.859
8:	-1.402	1.194
9:	-0.634	1.695
10:	-0.240	2.044

X CENTROID: 0.001

Y CENTROID: 0.574

POA TO CENTROID: 0.574

HORZ SPREAD: 2.248

VERT SPREAD: 2.627

GROUP SPREAD: 2.662

MIN RADIUS: 0.574

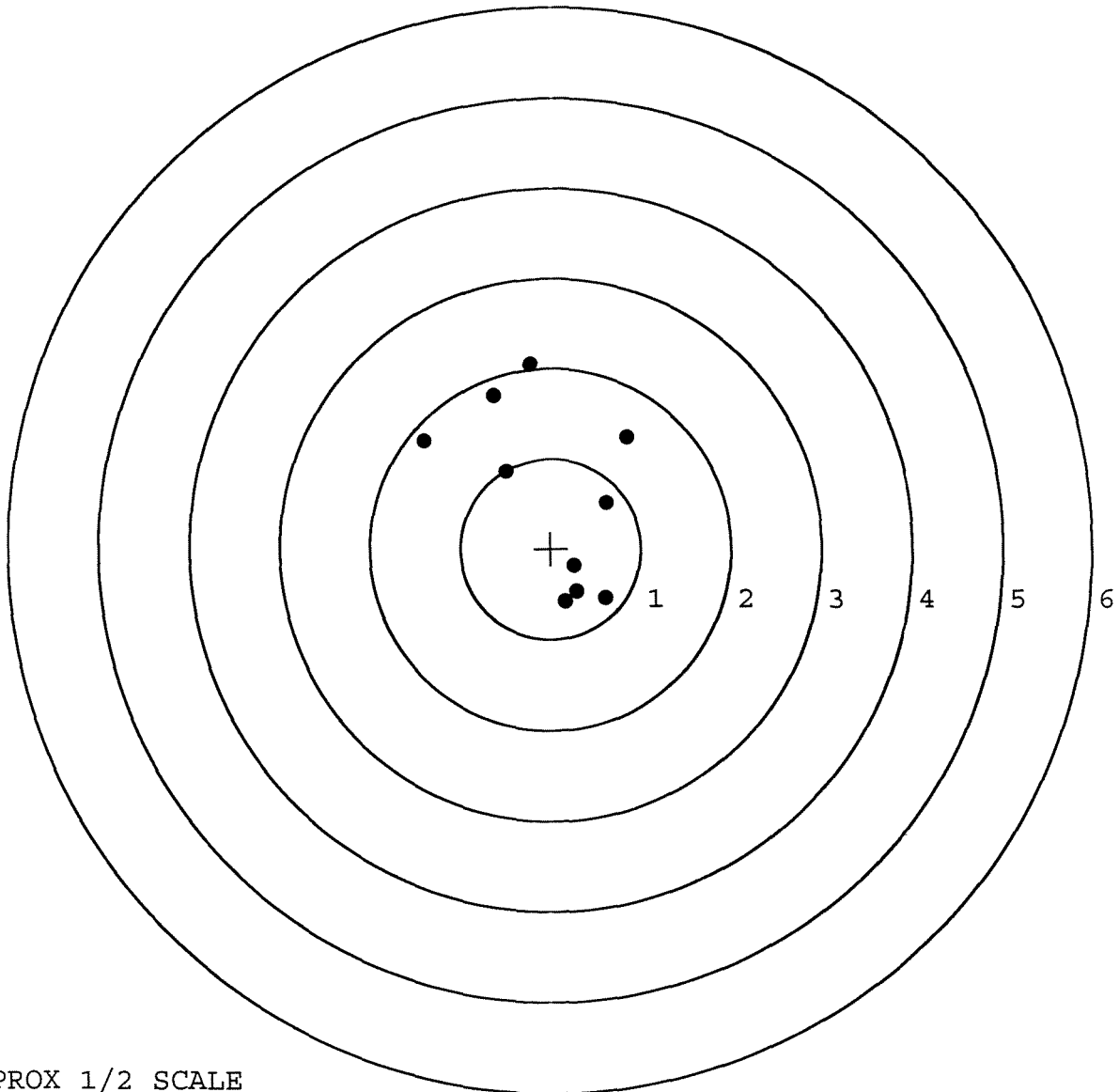
MAX RADIUS: 1.534

MEAN RADIUS: 1.092

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523404. __0

TARGET NUMBER: 3

FILE DATE: 11/01/2007

FILE TIME: 21:48

X CENTROID: 0.007

Y CENTROID: 0.203

POA TO CENTROID: 0.203

HORZ SPREAD: 0.821

VERT SPREAD: 1.295

GROUP SPREAD: 1.324

MIN RADIUS: 0.113

MAX RADIUS: 0.755

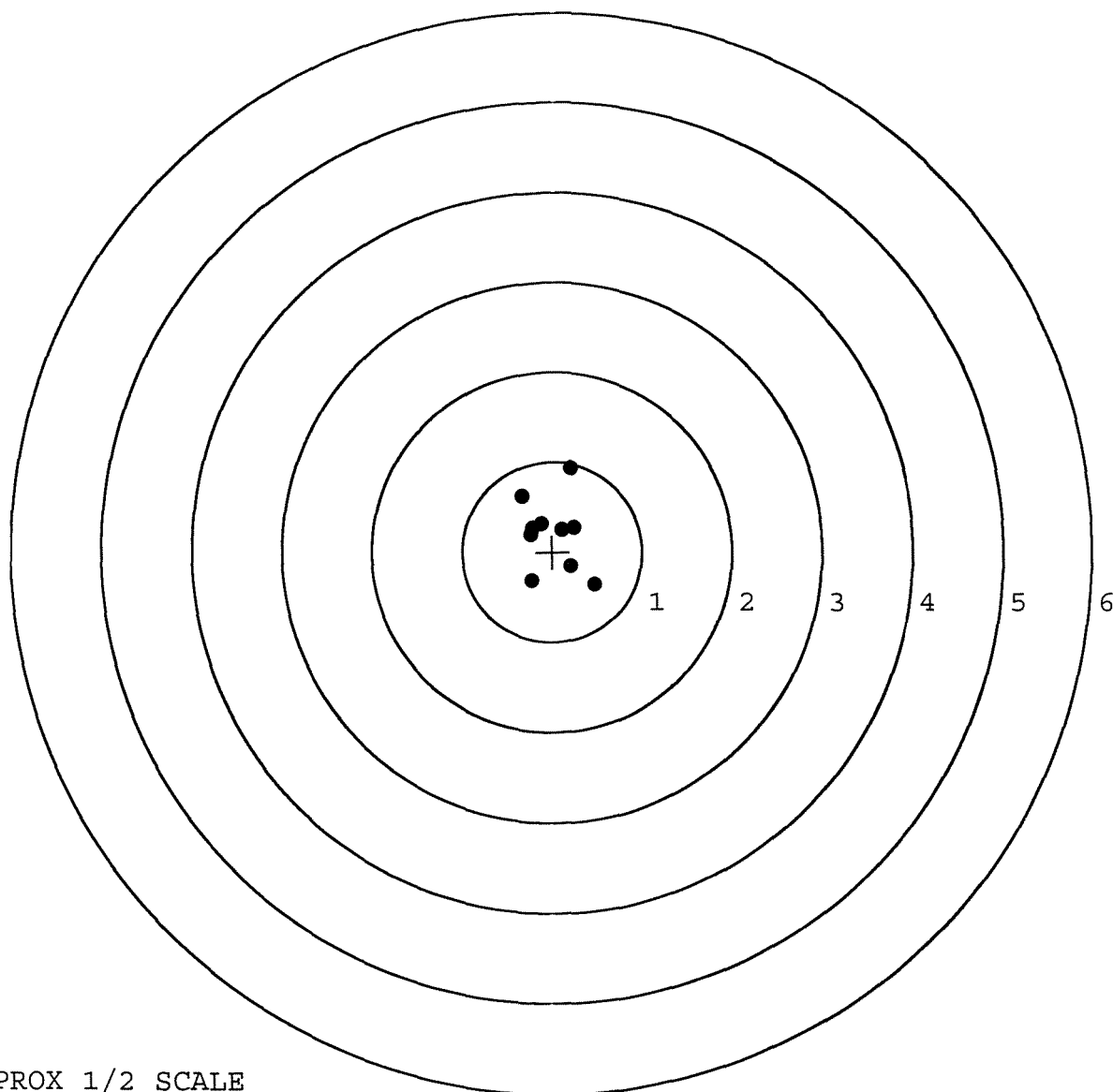
MEAN RADIUS: 0.405

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.244	0.200
2:	-0.124	0.318
3:	0.245	0.271
4:	0.201	-0.157
5:	0.476	-0.363
6:	-0.228	-0.320
7:	-0.345	0.626
8:	0.202	0.932
9:	-0.222	0.273
10:	0.109	0.251

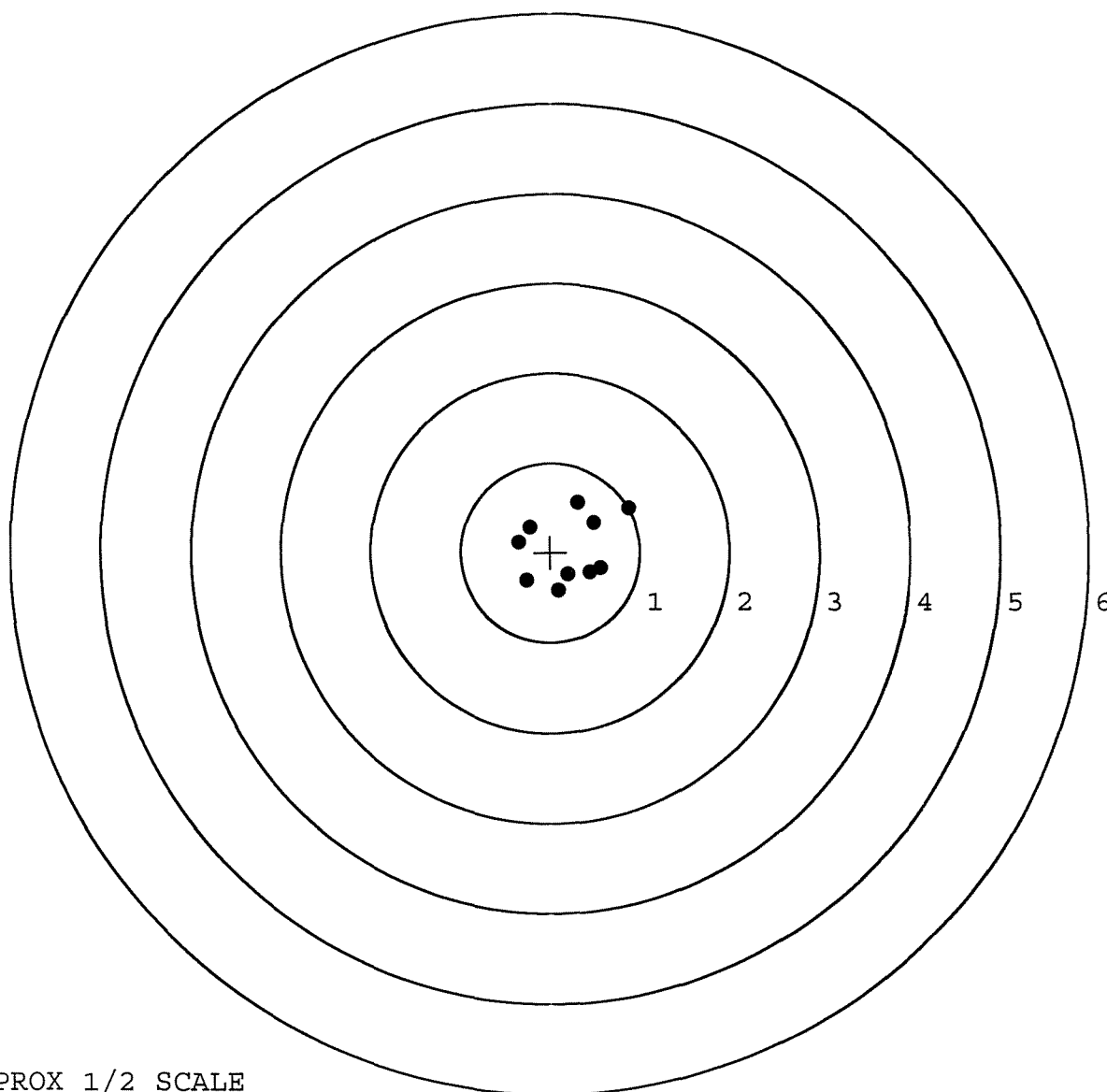


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523404. __0
TARGET NUMBER: 4
FILE DATE: 11/01/2007
FILE TIME: 21:48

X CENTROID: 0.209
Y CENTROID: 0.039
POA TO CENTROID: 0.213
HORZ SPREAD: 1.231
VERT SPREAD: 0.983
GROUP SPREAD: 1.400
MIN RADIUS: 0.287
MAX RADIUS: 0.805
MEAN RADIUS: 0.494
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.358	0.116
2:	-0.232	0.283
3:	-0.269	-0.316
4:	0.092	-0.428
5:	0.198	-0.247
6:	0.440	-0.224
7:	0.564	-0.176
8:	0.873	0.494
9:	0.482	0.336
10:	0.303	0.555



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523404. __0

TARGET NUMBER: 5

FILE DATE: 11/01/2007

FILE TIME: 21:48

X CENTROID: -0.054

Y CENTROID: -0.020

POA TO CENTROID: 0.058

HORZ SPREAD: 1.314

VERT SPREAD: 1.297

GROUP SPREAD: 1.690

MIN RADIUS: 0.232

MAX RADIUS: 1.120

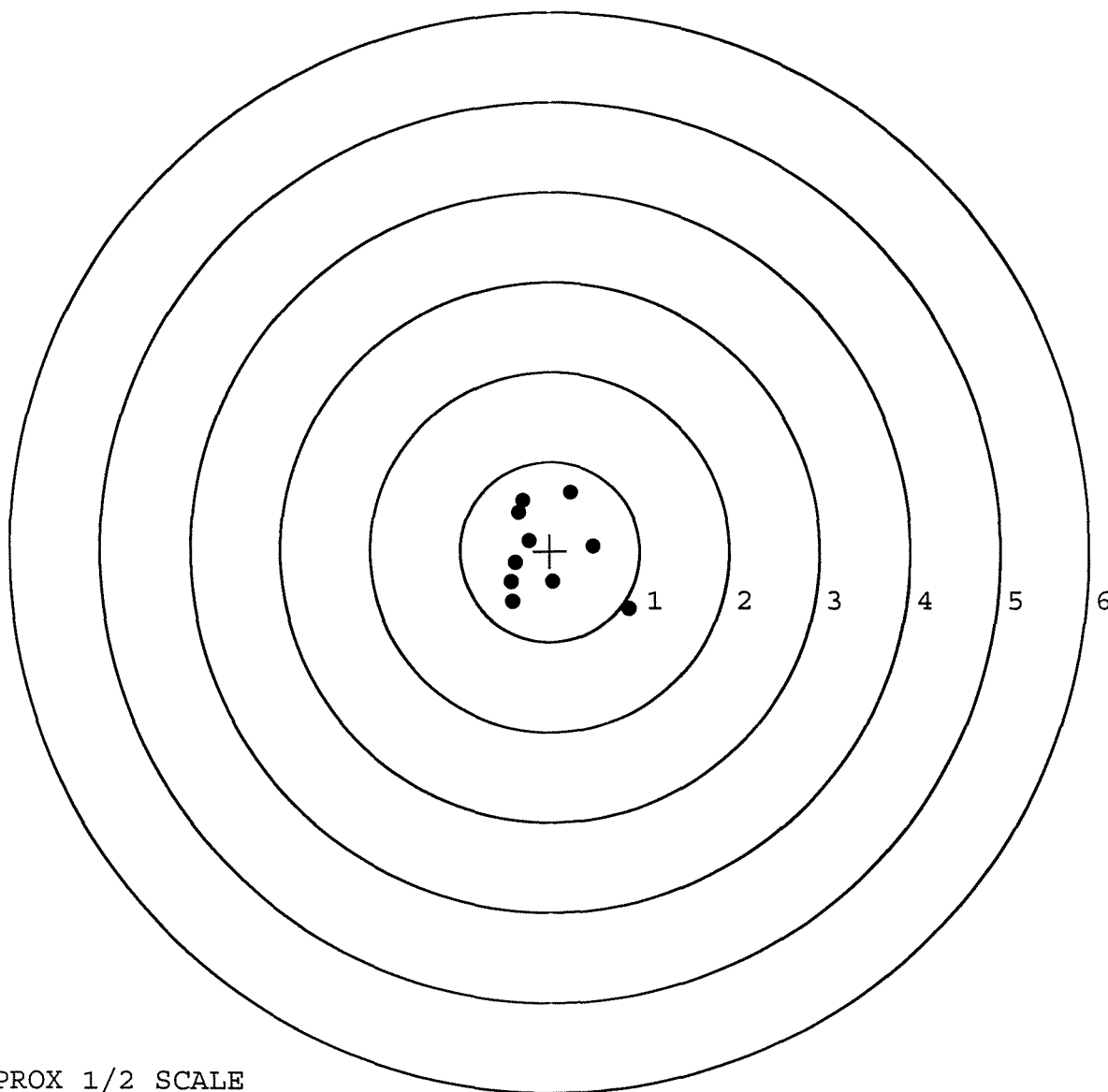
MEAN RADIUS: 0.565

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.309	0.561
2:	-0.359	0.432
3:	-0.239	0.120
4:	-0.388	-0.127
5:	-0.439	-0.346
6:	-0.422	-0.562
7:	0.027	-0.346
8:	0.230	0.652
9:	0.483	0.057
10:	0.875	-0.645



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	135186		
SERIAL NUMBER	C6523404		
LOG-IN DATE	10-10-07		

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	10-15-07	RTZ
505	RE-BARREL	10-16-07	RTZ
560	ASSEMBLE	10-16-07	RTZ
600	PROOF	10-17-07	TRW
605	CHECK HEADSPACE	10-17-07	TRW
610	DIS-ASSEMBLE GUN	10-17-07	RTZ
612	MAGNAFLUX	10-22-07	JB
510	DRILL AND TAP	10-17-07	TRW
615	ROLLMARK CALIBER	10-18-07	CW
618	ROTO-BLAST	10-22-07	YJ
620	APPLY COATINGS	10-25-07	CW
625	FINAL ASSEMBLY	11-1-07	RTZ
640	FUNCTION TEST AND	11/1/07	mm
650	TARGET	11/1/07	mm
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	11-19-07	RTZ
	A) HEADSPACE	11-19-07	RTZ
	B) TRIGGER PULL	2.75 2.67 2.66 2.63 2.65 11-5-07	DA
680	F) SAFETY ON FORCE	4.2 3.75 4.2 11-5-07	DA
	G) SAFETY OFF FORCE	2.5 2.5 2.5 11-5-07	DA
	I) FIRING PIN INDENT	1021 1021 1021 11-5-07	DA
690	PACK	11-19-07	DA

Remington



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

MODEL 700™ H24

SERIAL NO.

C6523404

ORDER NO.

5716

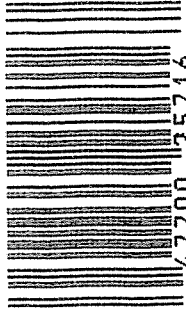
01

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



5716 C6523404

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523404

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/2/90	KJ
600	Proof		10/2/90	KJ
607	Check Headspace		10/2/90	KJ
610	Dis-assemble Gun		10/2/90	KJ
612	Magnaflux Barrel Action		10/5/90	KR
	Magnaflux Bolt		10/5/90	KR
615	Rollmark Caliber		10/5/90	LS
617	Drill and Tap Sight Holes		10/6/90	FB
618	Polish Barrel RB		10/7/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	DH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/21/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/21/90	WB
	C) Inspect Ejector Hole for Chamfer		10/21/90	WB
	D) Oil Firing Pin Ass'y		10/21/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		10-27-90	DH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			10/27/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			10/27/90	WB
	H) Trigger Pull Test & Retainability						10-27-90	DH
	I) Firing Pin Indent	.0205	.021	.021			10/27/90	WB
	J) Assemble Stock						10/27/90	Kel
	K) Assemble Swivel Studs						3/10/90	JS
	L) Attach Front and Rear Sight Assemblies						10/27/90	Kel
	M) Iron Sight Alignment						10/27/90	Kel
	N) Detach Front & Rear Sights & place in numbered container						10/27/90	Kel
	O) Attach Scope to Rifle						10/27/90	Kel
	P) Detach & Attach Scope 20 Times						10/27/90	Kel
640	Gallery Target & Test						10-29-90	LT
	A) Time						10-29-90	Kel
	B) Malfunctions						10-29-90	Kel
	C) Pierced Primers						10-29-90	Kel
	D) Optical Clarity of Scope						10-29-90	Kel
645	Inspect for Live Ammo						10-29-90	Kel
655	Final Inspection							
	A) Headspace						3/10/90	JS
	B) Trigger Pull	235	239	210	232	235	3/10/90	JS
	C) Function						3/10/90	JS
660	Pack						12-17-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6523404

DATE 10-27-90

TESTER OH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.59	2.27	2.56	2.35	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.28	2.49	2.39	
PULL #3	2.38	2.30	2.59	2.10	
PULL #4	2.41	2.33	2.48	2.32	
PULL #5	2.39	2.29	2.40	2.35	
TOTAL	2.25	11.47	12.52		
AVG.	2.45	2.29	2.50		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.44		
PULL #2	3.35	3.40		
PULL #3	3.18	3.39		
PULL #4	3.20	3.07		
PULL #5	3.34	3.10		
TOTAL	16.53	16.40		
AVG.	3.30	3.28		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.10	4.10		4.10
PULL #2	4.36	4.09		4.12
PULL #3	4.20	4.08		4.17
PULL #4	4.26	4.10		4.13
PULL #5	4.23	4.21		4.10
TOTAL	21.15	20.58		20.62
AVG.	4.23	4.11		4.12

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523404
30 Oct 1990

CENTROIDAL DISTANCES

0 TO 1	.16477
1 TO 2	.51533
1 TO 3	.344048
1 TO 4	.457708
1 TO 5	.0986813

$\bar{x}_2$ <----POA

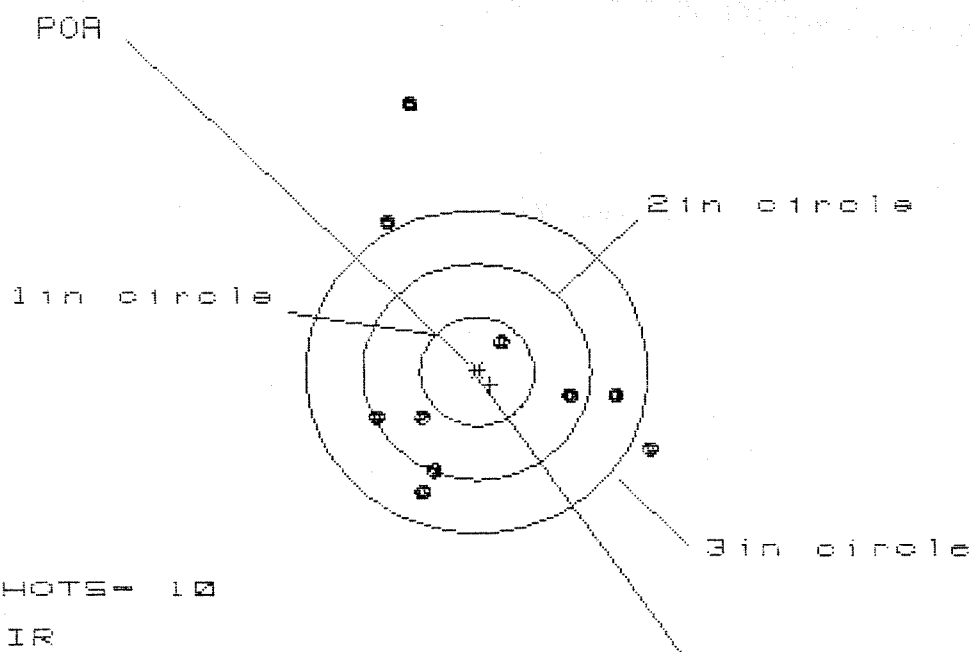
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1088
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0476
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .118757

THE AMR FOR THIS RIFLE IS: 1.03

30 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523404

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 7

HS= 2.432

VS= 3.592

GS= 3.814

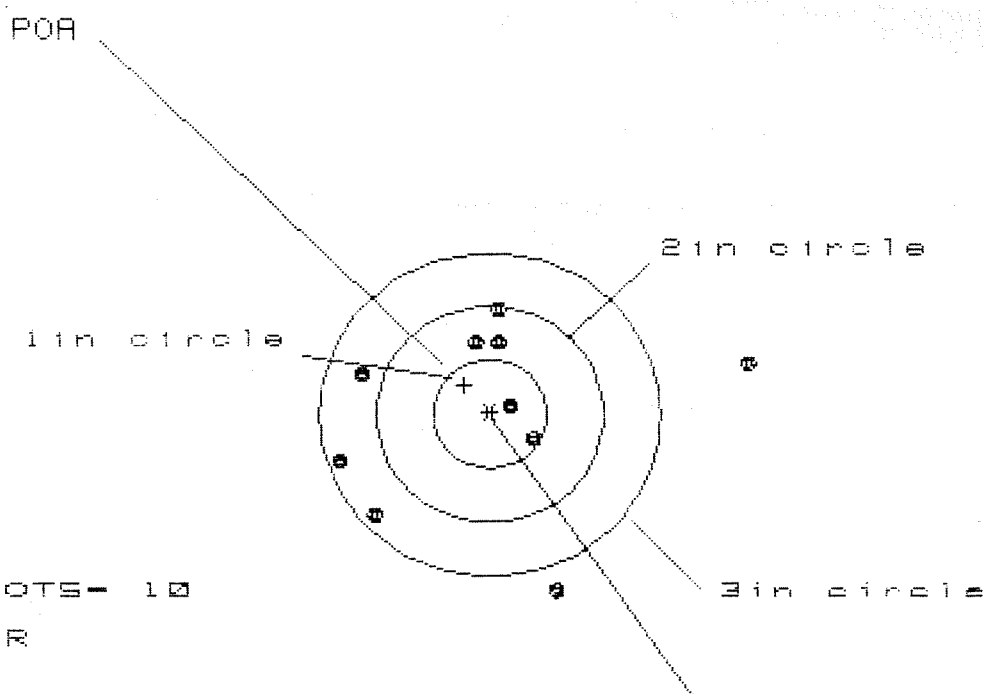
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.508	1.441	1.308
MINIMUM X	:	-.924	-.991	-.811
MAXIMUM Y	:	2.436	1.657	1.598
MINIMUM Y	:	-1.156	-.885	-.944
CENTROID X	:	-.115	-.048	-.228
CENTROID Y	:	.118	-.153	-.094
POA TO CENTROID in.	:	.165	.160	.247
MIN RADIUS	:	.395	.607	.464
MEAN RADIUS	:	1.222	1.040	.965
MAX RADIUS	:	2.510	1.859	1.731
HORIZONTAL SPREAD	:	2.432	2.432	2.119
VERTICAL SPREAD	:	3.592	2.542	2.542
EXTREME SPREAD	:	3.814	3.120	2.556
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	3		
NUMBER IN THREE INCH CIRCLE =	:	7		

30 Oct 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8523404

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 3.581

VS= 2.585

GS= 3.715

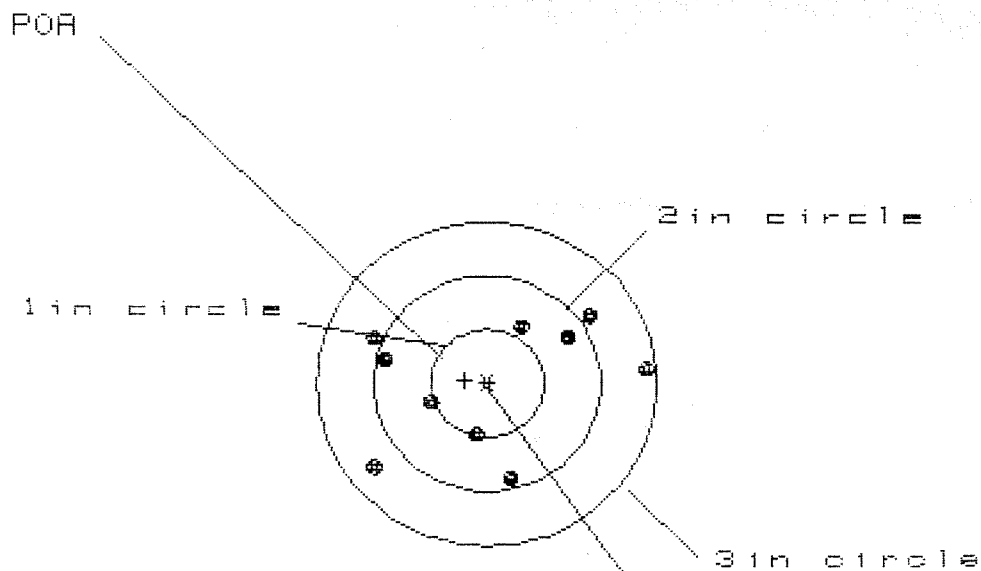
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.265	.812	.760
MINIMUM X	:	-1.316	-1.064	-.962
MAXIMUM Y	:	.942	1.000	.802
MINIMUM Y	:	-1.643	-1.585	-1.049
CENTROID X	:	.223	-.029	-.131
CENTROID Y	:	-.271	-.329	-.131
POA TO CENTROID in.	:	.351	.330	.185
MIN RADIUS	:	.164	.419	.501
MEAN RADIUS	:	1.085	.963	.830
MAX RADIUS	:	2.324	1.781	1.229
HORIZONTAL SPREAD	:	3.581	1.876	1.722
VERTICAL SPREAD	:	2.585	2.585	1.851
EXTREME SPREAD	:	3.715	2.659	2.158
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

30 Oct 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6523404

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.420

VS= 1.502

GS= 2.516

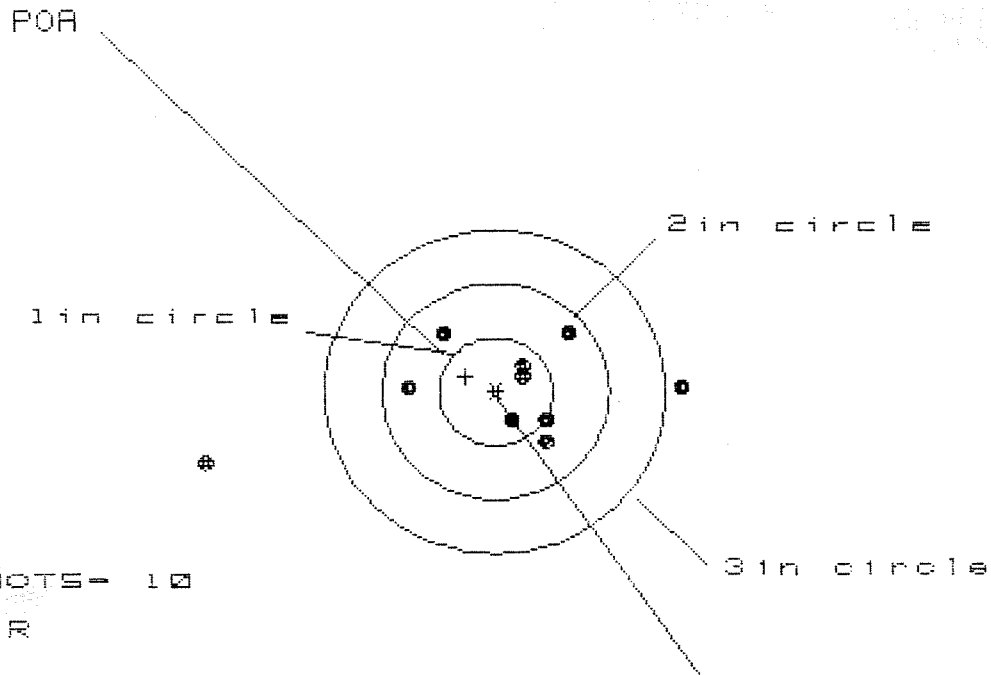
CENTROID *

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.385	1.024	.921
MINIMUM X	:	-1.035	-.881	-.984
MAXIMUM Y	:	.629	.641	.547
MINIMUM Y	:	-.873	-.861	-.955
CENTROID X	:	.197	.043	.146
CENTROID Y	:	-.027	-.039	.055
POA TO CENTROID in.	:	.199	.058	.156
MIN RADIUS	:	.498	.352	.487
MEAN RADIUS	:	.906	.835	.802
MAX RADIUS	:	1.389	1.208	1.072
HORIZONTAL SPREAD	:	2.420	1.905	1.905
VERTICAL SPREAD	:	1.502	1.502	1.502
EXTREME SPREAD	:	2.516	2.313	1.916
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

30 Oct 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8523404

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 8

HS= 4.153

VS= 1.230

GS= 4.216

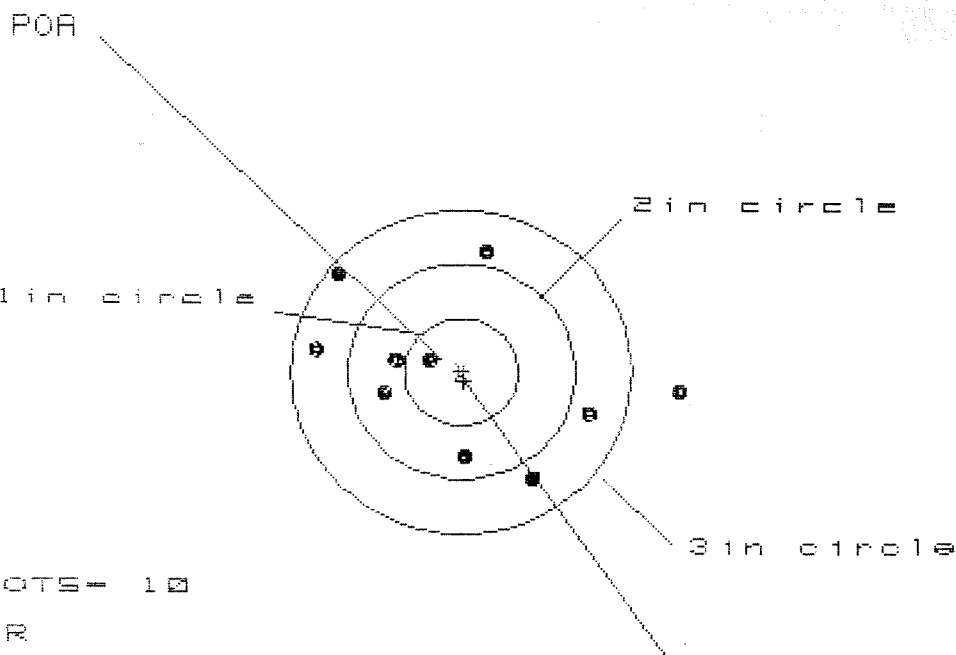
CENTROID #

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	-1.606	1.323	.561
MINIMUM X	:	-2.547	-1.075	-.909
MAXIMUM Y	:	.559	.484	.482
MINIMUM Y	:	-.671	-.571	-.573
CENTROID X	:	.261	.544	.378
CENTROID Y	:	-.143	-.068	-.066
POA TO CENTROID in.	:	.297	.548	.384
MIN RADIUS	:	.280	.071	.140
MEAN RADIUS	:	.878	.611	.530
MAX RADIUS	:	2.634	1.324	.910
HORIZONTAL SPREAD	:	4.153	2.398	1.470
VERTICAL SPREAD	:	1.230	1.055	1.055
EXTREME SPREAD	:	4.216	2.398	1.561
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	8		

30 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523404

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 9

HS= 3.236

VS= 2.147

GS= 3.272

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.943	1.365	1.254
MINIMUM X	:	-1.293	-1.077	-1.188
MAXIMUM Y	:	1.139	1.114	1.228
MINIMUM Y	:	-1.008	-1.033	-.919
CENTROID X	:	-.022	-.238	-.127
CENTROID Y	:	.085	.110	-.004
POA TO CENTROID in.	:	.087	.262	.127
MIN RADIUS	:	.338	.155	.312
MEAN RADIUS	:	1.057	.898	.869
MAX RADIUS	:	1.956	1.433	1.295
HORIZONTAL SPREAD	:	3.236	2.442	2.442
VERTICAL SPREAD	:	2.147	2.147	2.147
EXTREME SPREAD	:	3.272	2.621	2.530
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	