

C6349064

MODEL 700™ M24

Model **S&S**™

Action

Barrel Length

Capacity

Order No. **5715**

* Includes 1 in chamber.



sling/w
UNC Mike Swivels

Serial
Number:

C6349064

Model: M24 SWS



RE00168206

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

R & E NUMBER	<u>168206</u>		
SERIAL NUMBER	<u>C6349064</u>		
LOG-IN DATE	<u>5-18-09</u>		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	5-18-09	RTZ
505	RE-BARREL	5-26-09	RTZ
420	ASSEMBLE	5-26-09	RTZ
440	PROOF	5-26-09	RTZ
460	CHECK HEADSPACE	5-26-09	RTZ
470	DIS-ASSEMBLE GUN	5-26-09	RTZ
480	MAGNAFLUX	5-30-09	RTZ
510	DRILL AND TAP	5-27-09	SP
500	ROLLMARK CALIBER	6-1-09	RT
520	GOFF BLAST BBL / REC	6-1-09	DWO
530 & 540	APPLY COATINGS	6/3	✓
560	FINAL ASSEMBLY	6-3-09	RTZ
640	FUNCTION TEST AND	PASS FAIL	6/4 RB
650	TARGET	PASS FAIL	6/4 RB
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		6/4 TGR
	A) HEADSPACE	PASS FAIL	6-5-09 RTZ
	B) TRIGGER PULL	252 256 256 254 258 650 RTZ	
680	F) SAFETY ON FORCE	4.0 4.0 4.0	6-5-09 RTZ
	G) SAFETY OFF FORCE	6.0 5.0 5.0	6-5-09 RTZ
	I) FIRING PIN INDENT	.003 .003 .003	6-5-09 RTZ
690	PACK		6/6/09 Fm

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349064.___0
FILE DATE AND TIME: 06/04/2009 13:42

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

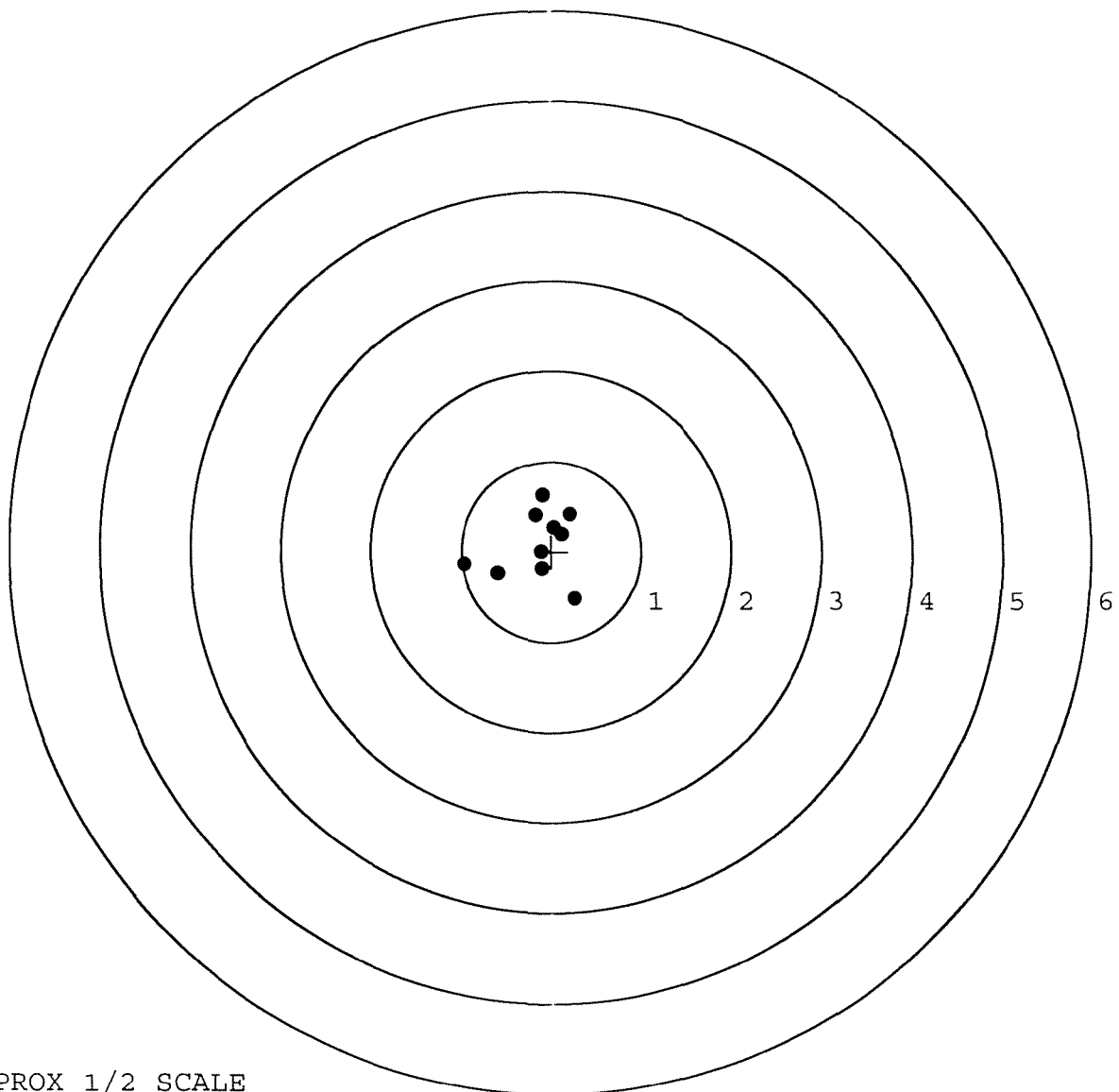
The Average X Centroid of the Five Target Set:	-0.119
The Average Y Centroid of the Five Target Set:	0.107
The Average Point of Impact of the Five Target Set:	0.160
The Average Mean Radius of the Five Target Set:	0.509
The Distance from POA to Centroid Target #1:	0.168
The Distance from Centroid Target #2 to Centroid Target #1:	0.026
The Distance from Centroid Target #3 to Centroid Target #1:	0.070
The Distance from Centroid Target #4 to Centroid Target #1:	0.287
The Distance from Centroid Target #5 to Centroid Target #1:	0.097

BARBER - M24 0107022

SERIAL NUMBER: C6349064. __0
TARGET NUMBER: 1
FILE DATE: 06/04/2009
FILE TIME: 13:42

POINT#	X	Y
1:	-0.970	-0.141
2:	-0.596	-0.242
3:	-0.111	-0.188
4:	0.260	-0.522
5:	-0.115	0.004
6:	0.114	0.199
7:	0.211	0.420
8:	-0.096	0.627
9:	-0.180	0.412
10:	0.028	0.267

X CENTROID: -0.145
Y CENTROID: 0.084
POA TO CENTROID: 0.168
HORZ SPREAD: 1.230
VERT SPREAD: 1.149
GROUP SPREAD: 1.307
MIN RADIUS: 0.085
MAX RADIUS: 0.855
MEAN RADIUS: 0.440
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0107023

SERIAL NUMBER: C6349064. __0

TARGET NUMBER: 2

FILE DATE: 06/04/2009

FILE TIME: 13:42

X CENTROID: -0.140

Y CENTROID: 0.058

POA TO CENTROID: 0.151

HORZ SPREAD: 1.803

VERT SPREAD: 1.268

GROUP SPREAD: 1.909

MIN RADIUS: 0.027

MAX RADIUS: 1.093

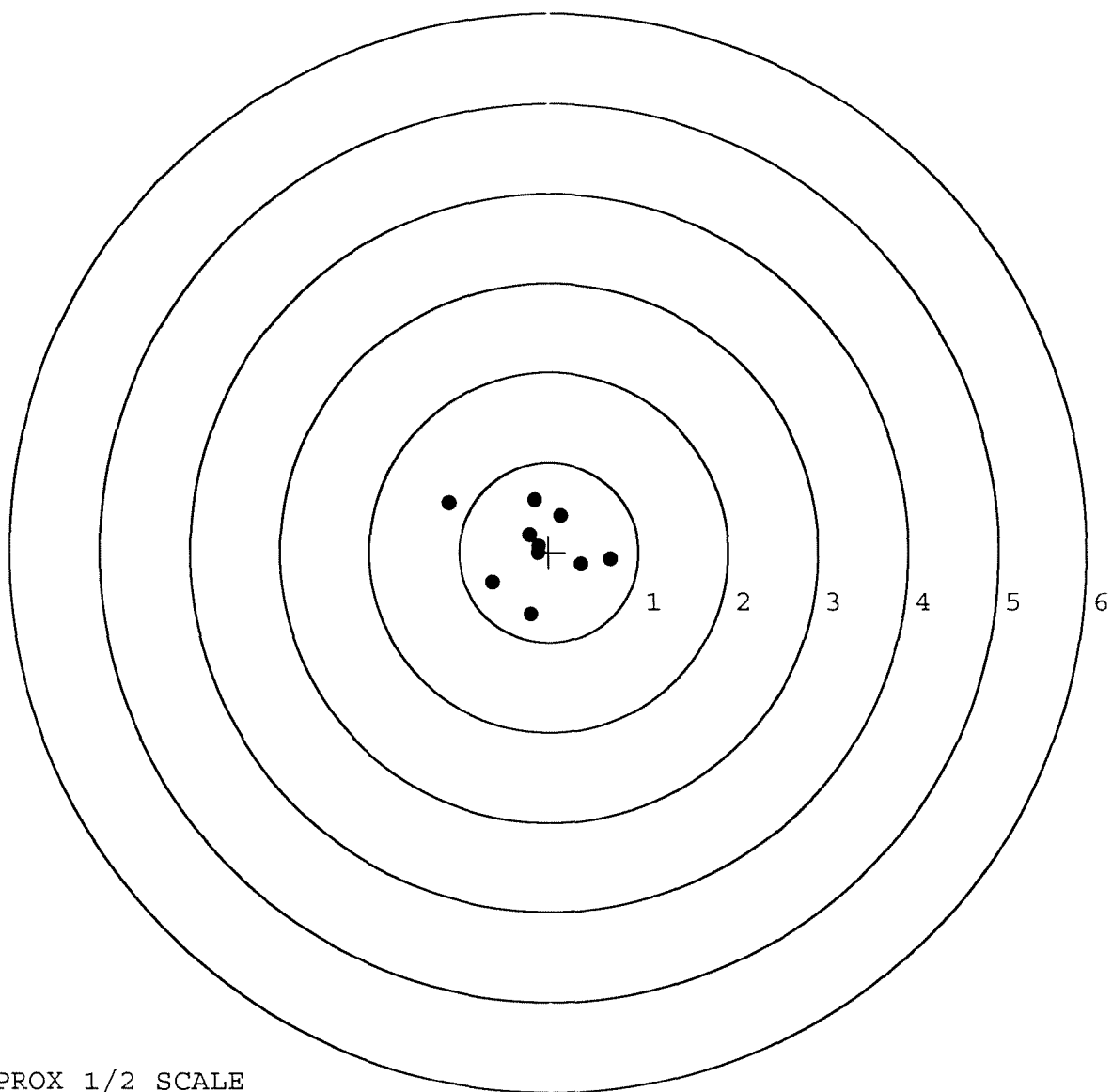
MEAN RADIUS: 0.507

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.114	0.553
2:	-0.164	0.580
3:	0.127	0.410
4:	-0.217	0.196
5:	-0.121	-0.011
6:	0.361	-0.132
7:	0.689	-0.074
8:	-0.209	-0.688
9:	-0.633	-0.330
10:	-0.118	0.073



TARGET APPROX 1/2 SCALE

BARBER - M24 0107024

SERIAL NUMBER: C6349064. __0

TARGET NUMBER: 3

FILE DATE: 06/04/2009

FILE TIME: 13:42

X CENTROID: -0.091

Y CENTROID: 0.041

POA TO CENTROID: 0.099

HORZ SPREAD: 1.349

VERT SPREAD: 1.127

GROUP SPREAD: 1.497

MIN RADIUS: 0.267

MAX RADIUS: 0.764

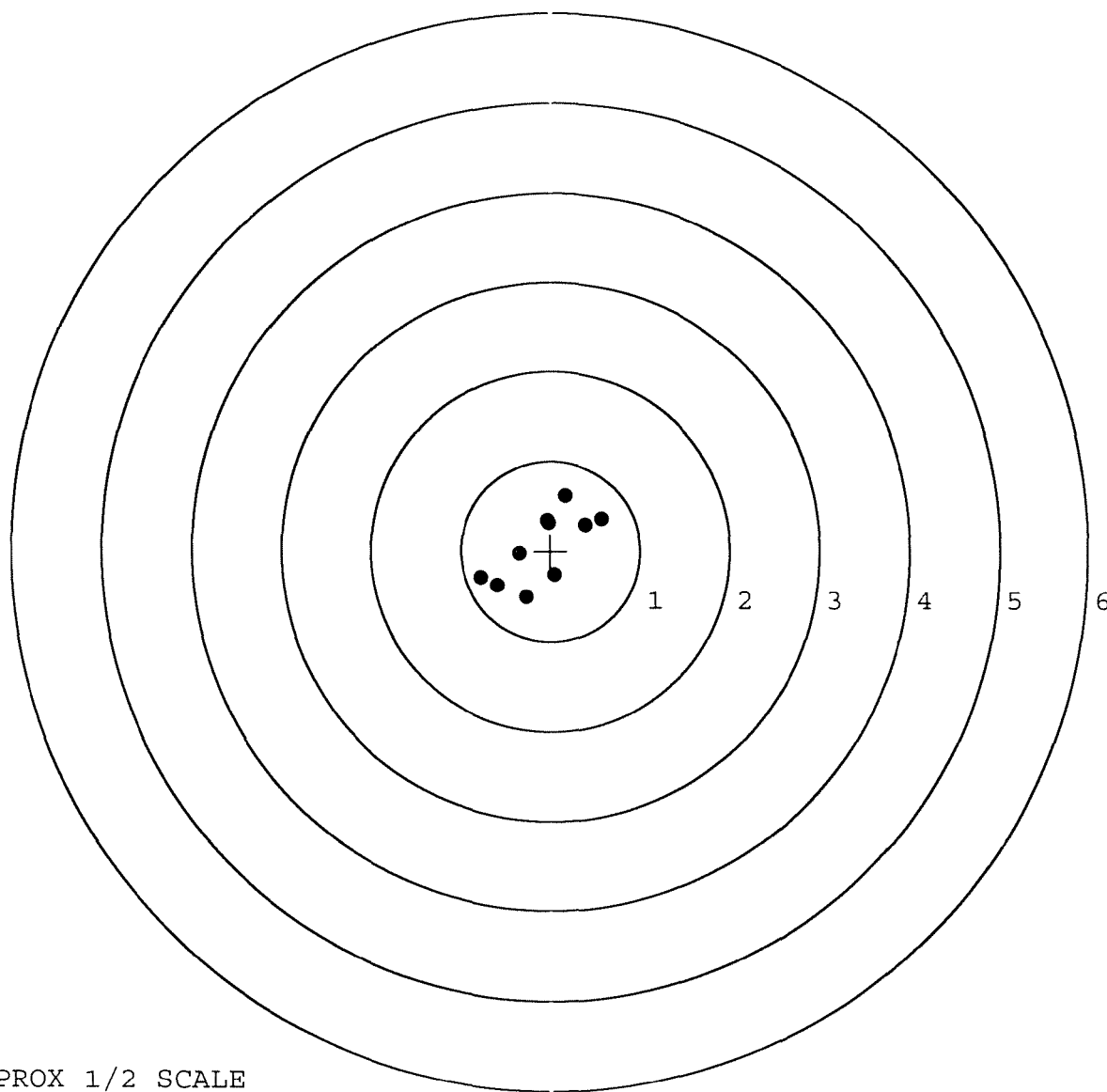
MEAN RADIUS: 0.509

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.572	0.355
2:	0.393	0.291
3:	-0.041	0.340
4:	0.160	0.609
5:	-0.348	-0.031
6:	-0.777	-0.295
7:	-0.599	-0.380
8:	-0.276	-0.518
9:	0.040	-0.271
10:	-0.030	0.307



TARGET APPROX 1/2 SCALE

BARBER - M24 0107025

SERIAL NUMBER: C6349064. __0

TARGET NUMBER: 4

FILE DATE: 06/04/2009

FILE TIME: 13:42

X CENTROID: -0.091

Y CENTROID: 0.366

POA TO CENTROID: 0.377

HORZ SPREAD: 0.849

VERT SPREAD: 2.807

GROUP SPREAD: 2.807

MIN RADIUS: 0.136

MAX RADIUS: 1.673

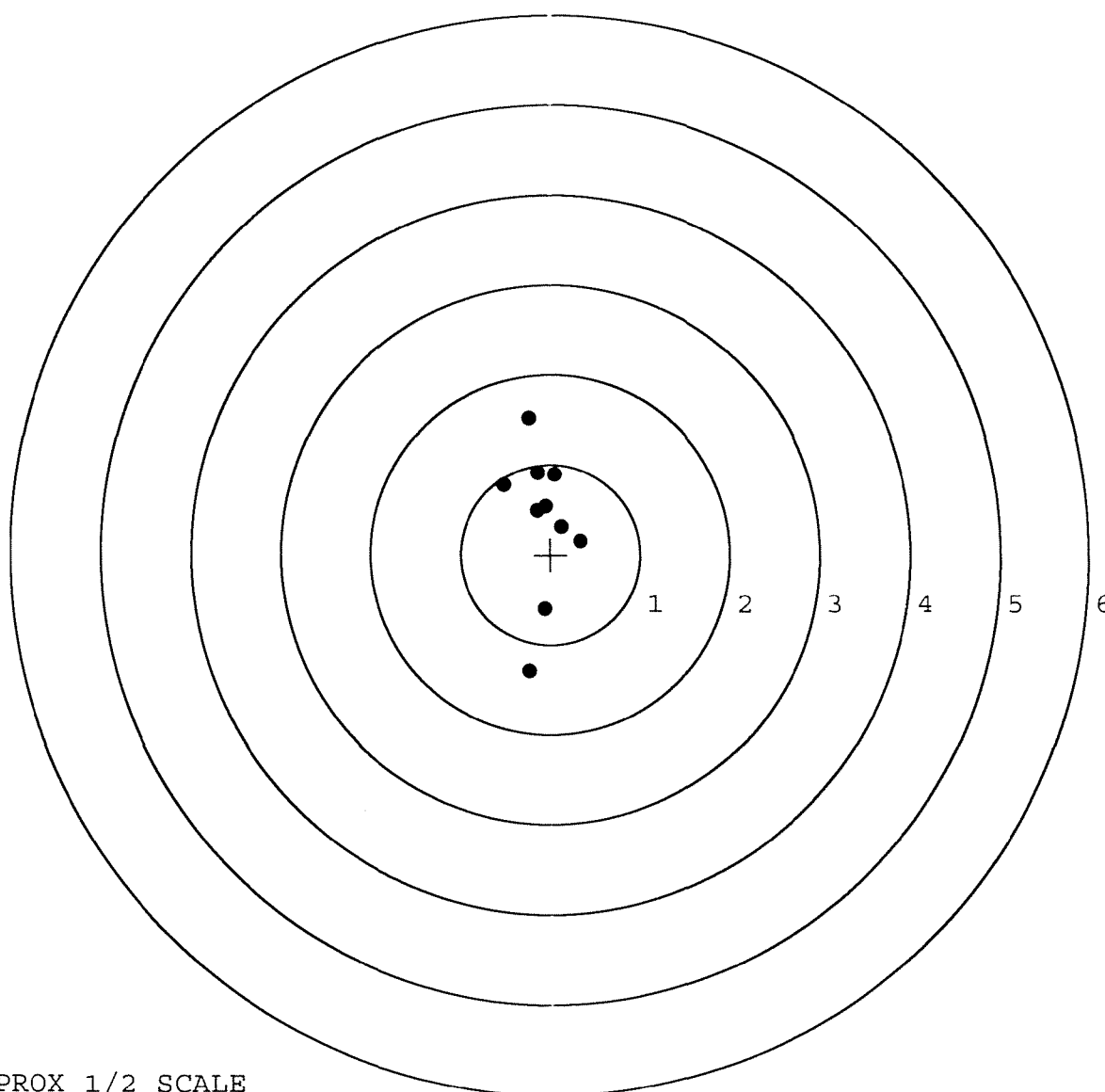
MEAN RADIUS: 0.649

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.242	1.507
2:	-0.514	0.779
3:	-0.146	0.909
4:	0.048	0.889
5:	-0.151	0.488
6:	0.125	0.311
7:	0.335	0.148
8:	-0.070	-0.607
9:	-0.244	-1.300
10:	-0.054	0.534



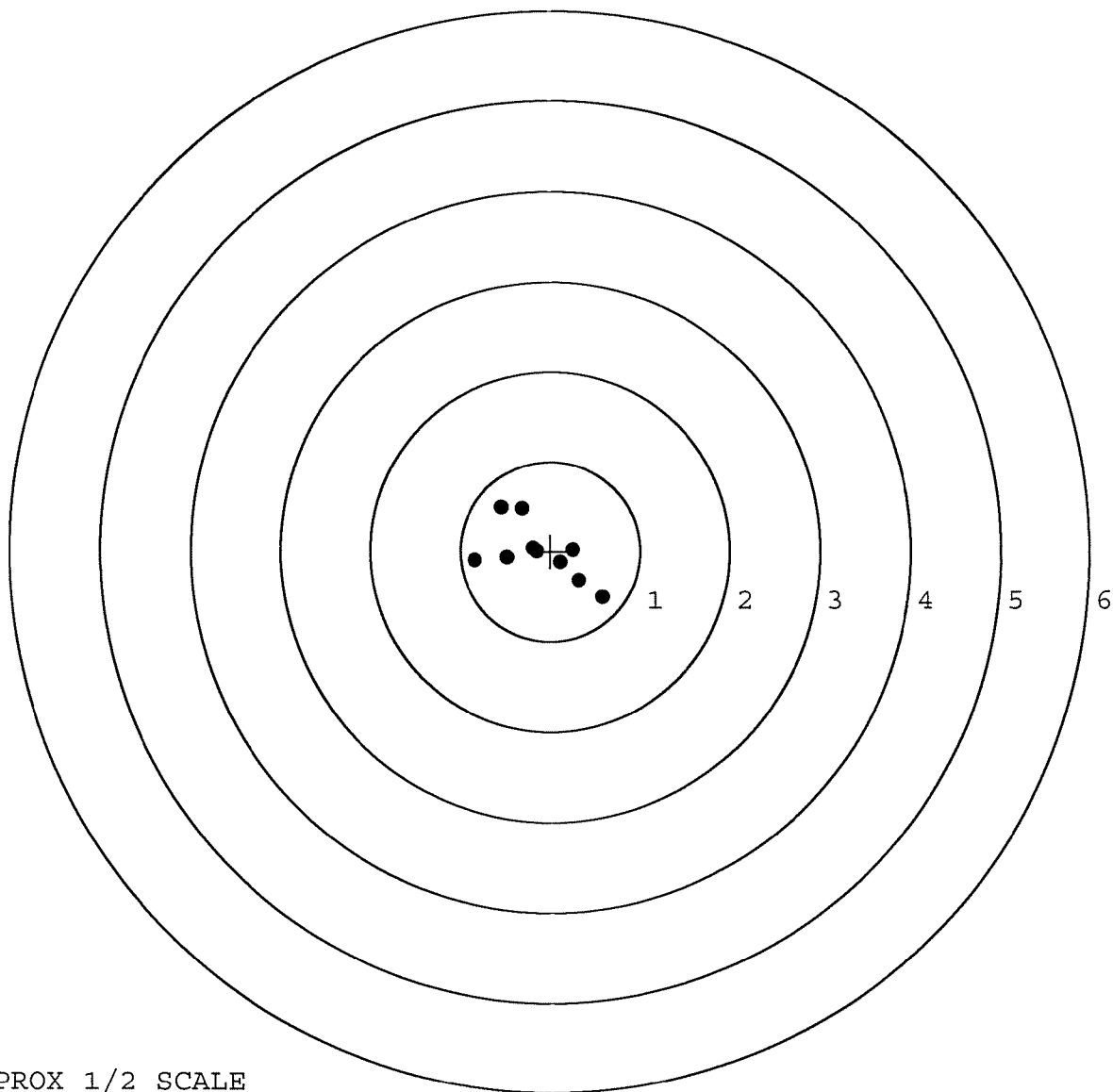
TARGET APPROX 1/2 SCALE

BARBER - M24 0107026

SERIAL NUMBER: C6349064. __0
TARGET NUMBER: 5
FILE DATE: 06/04/2009
FILE TIME: 13:42

	POINT#	X	Y
	1:	-0.542	0.487
	2:	-0.315	0.477
	3:	0.250	0.018
	4:	0.319	-0.331
	5:	0.585	-0.514
	6:	-0.196	0.038
	7:	-0.484	-0.068
	8:	-0.843	-0.100
	9:	-0.154	0.000
	10:	0.112	-0.120

X CENTROID: -0.127
Y CENTROID: -0.011
POA TO CENTROID: 0.127
HORZ SPREAD: 1.428
VERT SPREAD: 1.001
GROUP SPREAD: 1.507
MIN RADIUS: 0.029
MAX RADIUS: 0.871
MEAN RADIUS: 0.443
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Remington		DU PONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700 TM M24		SERIAL NO. C6349064	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		01	



5716 C6349064

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349064

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 30	90	RW
600	Proof	1 30	90	A
607	Check Headspace	1 30	90	A
610	Dis-assemble Gun	1 30	90	RW
612	Magnaflux Barrel Action	2-5-90		KER
	Magnaflux Bolt	2-5-90		
615	Rollmark Caliber		2/5/90	CS
617	Drill and Tap Sight Holes		2/5/90	LB
618	Polish Barrel RB		2/5/90	WB
620	Apply Coatings (Barrel Action)		2-17-90	JA
	Apply Coating (Bolt)			
625	Final Assembly		2/19/90	WB
	A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/19/90	WB
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/20/90	RM

BARBER - M24 0107029

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4/20/90	RL
	G) Safety Off Force	3	3	3			4/20/90	RL
	H) Trigger Pull Test & Retainability						4/20/90	RL
	I) Firing Pin Indent	.021	.021	.021			4/20/90	RL
	J) Assemble Stock						4/23/90	RL
	K) Assemble Swivel Studs						4/30/90	WB
	L) Attach Front and Rear Sight Assemblies						4/23/90	RL
	M) Iron Sight Alignment						4/23/90	RL
	N) Detach Front & Rear Sights & place in numbered container						4/28/90	RL
	O) Attach Scope to Rifle						4/23/90	WB
	P) Detach & Attach Scope 20 Times						4/23/90	WB
640	Gallery Target & Test						4-24-90	AC
	A) Time						4-24-90	AC
	B) Malfunctions						4-24-90	AC
	C) Pierced Primers						4-24-90	AC
	D) Optical Clarity of Scope						4-24-90	AC
645	Inspect for Live Ammo						4-24-90	AC
655	Final Inspection						4/26/90	WB
	A) Headspace							
	B) Trigger Pull	2.69	2.74	2.74	2.76	2.69	4/26/90	WB
	C) Function						4/30/90	WB
660	Pack						5-19-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C 6349064DATE 4/24/90TESTER gk

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.53	2.53	2.28	2.69	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.43	2.10	2.74	
PULL #3	2.54	2.49	2.25	2.74	
PULL #4	2.54	2.37	2.30	2.76	
PULL #5	2.52	2.42	2.20	2.69	
TOTAL	12.63	12.24	11.13		
AVG.	2.526	2.448	2.226		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.31		
PULL #2	3.39	3.36		
PULL #3	3.40	3.34		
PULL #4	3.42	3.30		
PULL #5	3.35	3.27		
TOTAL	17.03	16.58		
AVG.	3.406	3.316		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.21		4.17
PULL #2	4.33	4.25		4.19
PULL #3	4.30	4.28		4.25
PULL #4	4.29	4.25		4.31
PULL #5	4.22	4.20		4.21
TOTAL	21.49	21.19		21.13
AVG.	4.298	4.238		4.226

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349064
24 Apr 1990

CENTROIDAL DISTANCES

0 TO	1	.43093
1 TO	2	.605615
1 TO	3	.813998
1 TO	4	.787709
1 TO	5	.917848

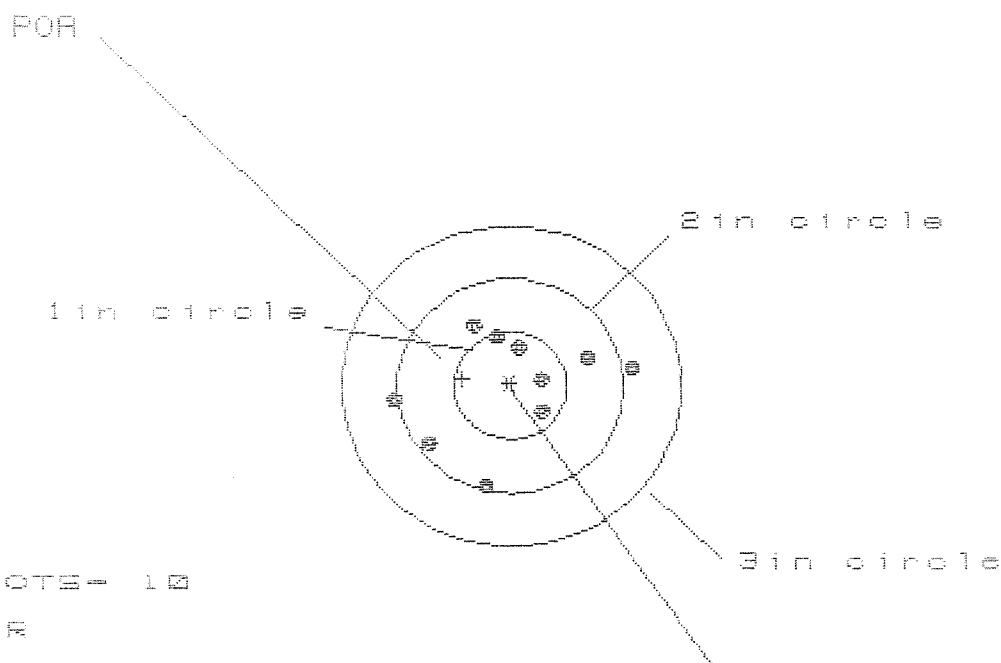
σ_{e}^2 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1918
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0948
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .213949
THE AMR FOR THIS RIFLE IS: .7638

24 Apr 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6349004

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 2.059

VS= 1.592

GS= 2.070

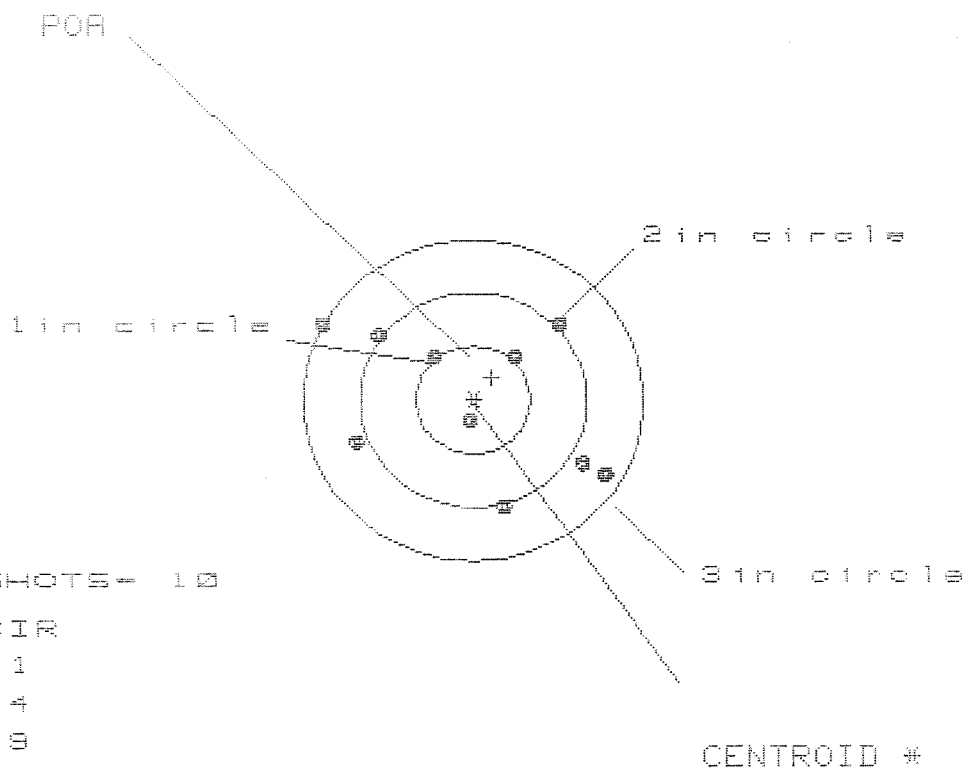
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.061	.760	.751
MINIMUM X	:	-.998	-.880	-.889
MAXIMUM Y	:	.610	.624	.503
MINIMUM Y	:	-.982	-.968	-.633
CENTROID X	:	.426	.308	.318
CENTROID Y	:	-.065	-.079	.042
POR TO CENTROID in.	:	.431	.318	.320
MIN RADIUS	:	.332	.390	.285
MEAN RADIUS	:	.688	.655	.589
MAX RADIUS	:	1.069	.971	.910
HORIZONTAL SPREAD	:	2.059	1.640	1.640
VERTICAL SPREAD	:	1.592	1.592	1.136
EXTREME SPREAD	:	2.070	1.674	1.674
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

24 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8349064

CENTERFIRE PATTERNS # 2



HS= 2.483

VS= 1.738

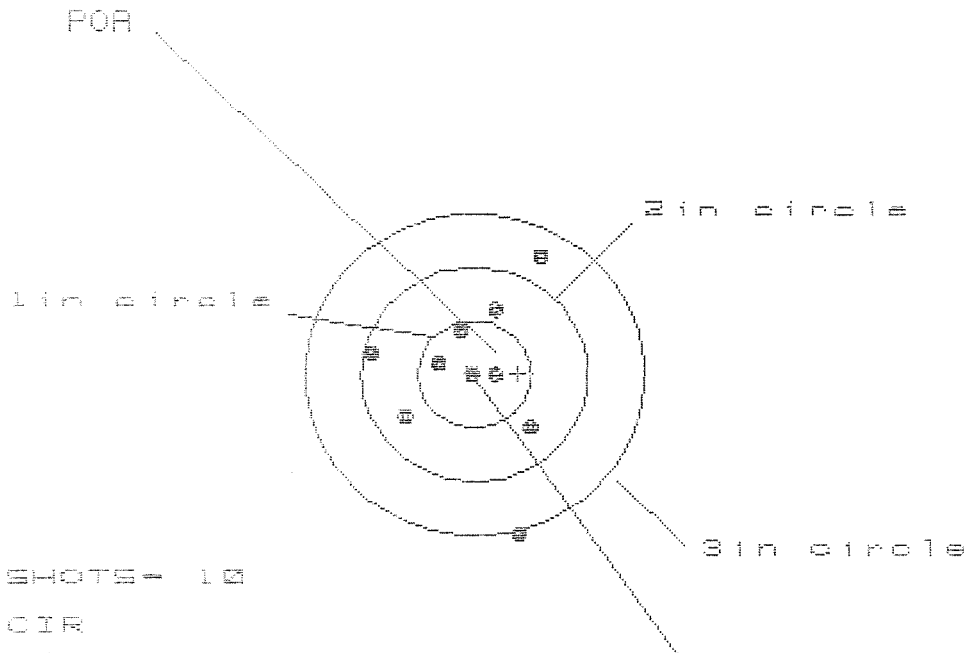
GS= 2.865

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.148	1.000	.966
MINIMUM X	-1.335	-1.141	-1.016
MAXIMUM Y	.759	.754	.680
MINIMUM Y	-.977	-.892	-.966
CENTROID X	-.162	-.014	-.139
CENTROID Y	-.210	-.295	-.221
POA TO CENTROID in.	.266	.295	.261
MIN RADIUS	.195	.197	.188
MEAN RADIUS	.938	.866	.814
MAX RADIUS	1.536	1.191	1.115
HORIZONTAL SPREAD	2.483	2.141	1.982
VERTICAL SPREAD	1.738	1.646	1.646
EXTREME SPREAD	2.865	2.310	2.121
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

24 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349084

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 4

2in = 8

3in = 9

HS= 1.531

VS= 2.603

GS= 2.613

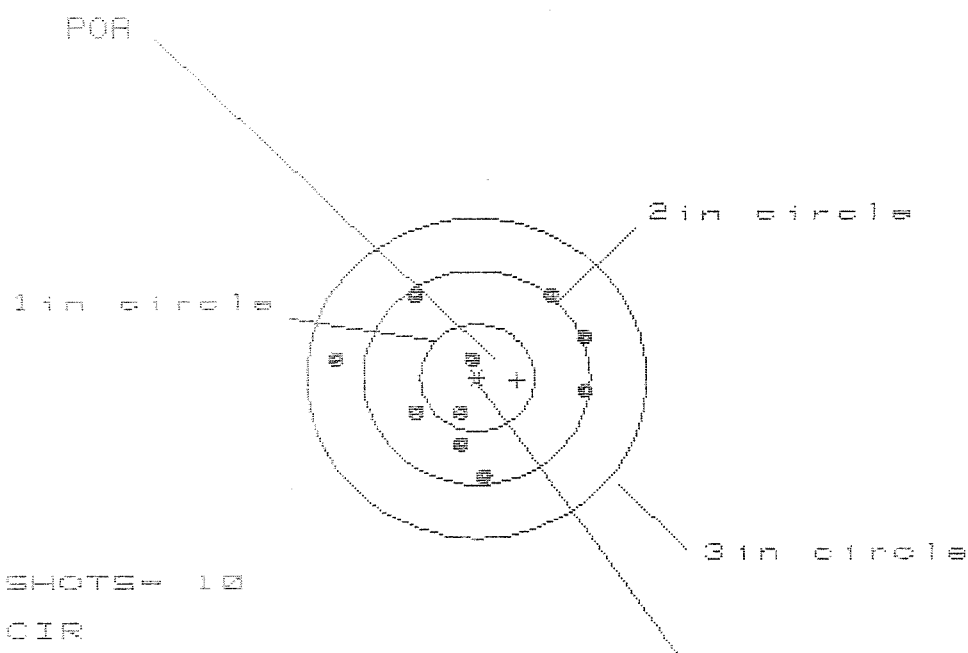
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.620	.664	.644
MINIMUM X	:	-.911	-.867	-.784
MAXIMUM Y	:	1.079	.910	.574
MINIMUM Y	:	-1.524	-.685	-.572
CENTROID X	:	-.386	-.430	-.513
CENTROID Y	:	-.008	.161	.048
POA TO CENTROID in.	:	.386	.459	.515
MIN RADIUS	:	.018	.192	.152
MEAN RADIUS	:	.691	.586	.511
MAX RADIUS	:	1.574	1.126	.861
HORIZONTAL SPREAD	:	1.531	1.531	1.428
VERTICAL SPREAD	:	2.603	1.595	1.146
EXTREME SPREAD	:	2.613	1.963	1.590
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

24 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349054

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 2.237

VS= 1.688

GS= 2.260

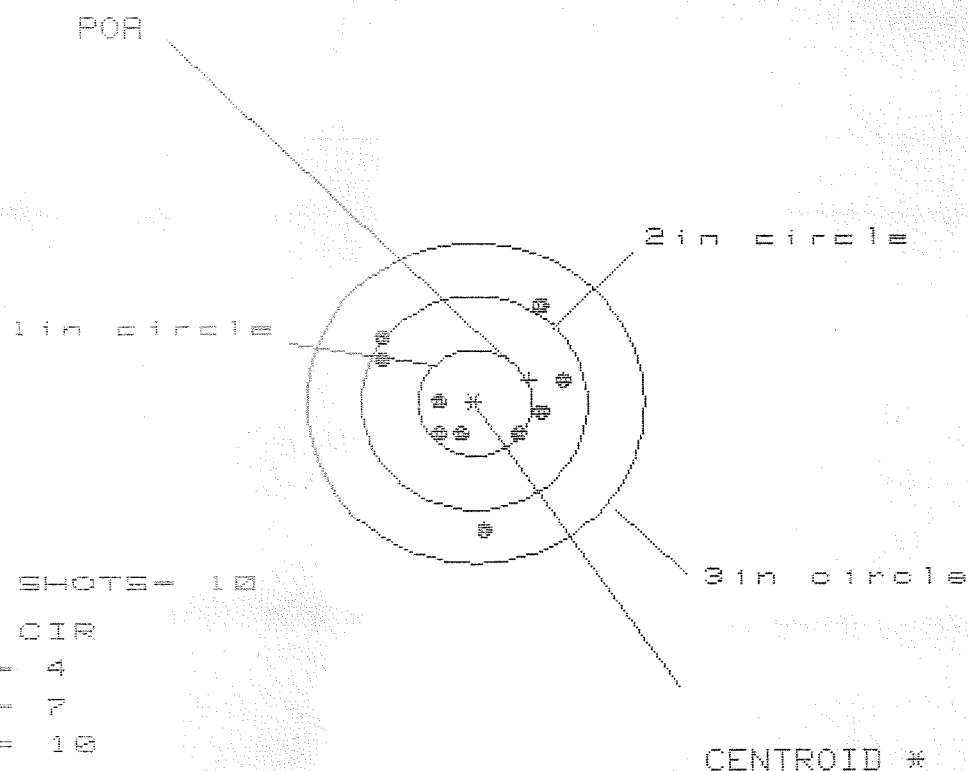
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.997	.859	.960
MINIMUM X	-1.240	-.720	-.619
MAXIMUM Y	.880	.820	.874
MINIMUM Y	-.888	-.868	-.814
CENTROID X	-.357	-.219	-.320
CENTROID Y	.021	.001	-.053
POR TO CENTROID in.	.358	.219	.324
MIN RADIUS	.161	.253	.243
MEAN RADIUS	.788	.741	.696
MAX RADIUS	1.253	1.051	1.037
HORIZONTAL SPREAD	2.237	1.579	1.579
VERTICAL SPREAD	1.688	1.688	1.688
EXTREME SPREAD	2.260	1.791	1.791
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

24 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349064

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS= 1.621

VS= 2.096

GS= 2.142

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.757	.769	.663
MINIMUM X	-.864	-.852	-.870
MAXIMUM Y	.894	.760	.825
MINIMUM Y	-1.202	-.466	-.402
CENTROID X	-.480	-.492	-.386
CENTROID Y	-.212	-.078	-.143
POA TO CENTROID in.	.524	.498	.411
MIN RADIUS	.320	.347	.424
MEAN RADIUS	.714	.672	.614
MAX RADIUS	1.207	.995	.949
HORIZONTAL SPREAD	1.621	1.621	1.533
VERTICAL SPREAD	2.096	1.226	1.226
EXTREME SPREAD	2.142	1.691	1.558
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		