

C6349181

MODEL 700™ M24

Model **SMS**™

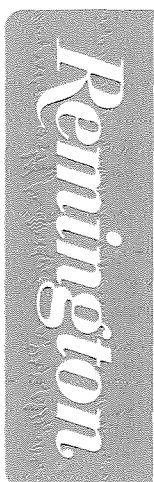
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Ver. 1.01
Number: C6349181

Model: M24 SWS



RE00112584

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349181.___0

FILE DATE AND TIME: 06/09/2006 17:12

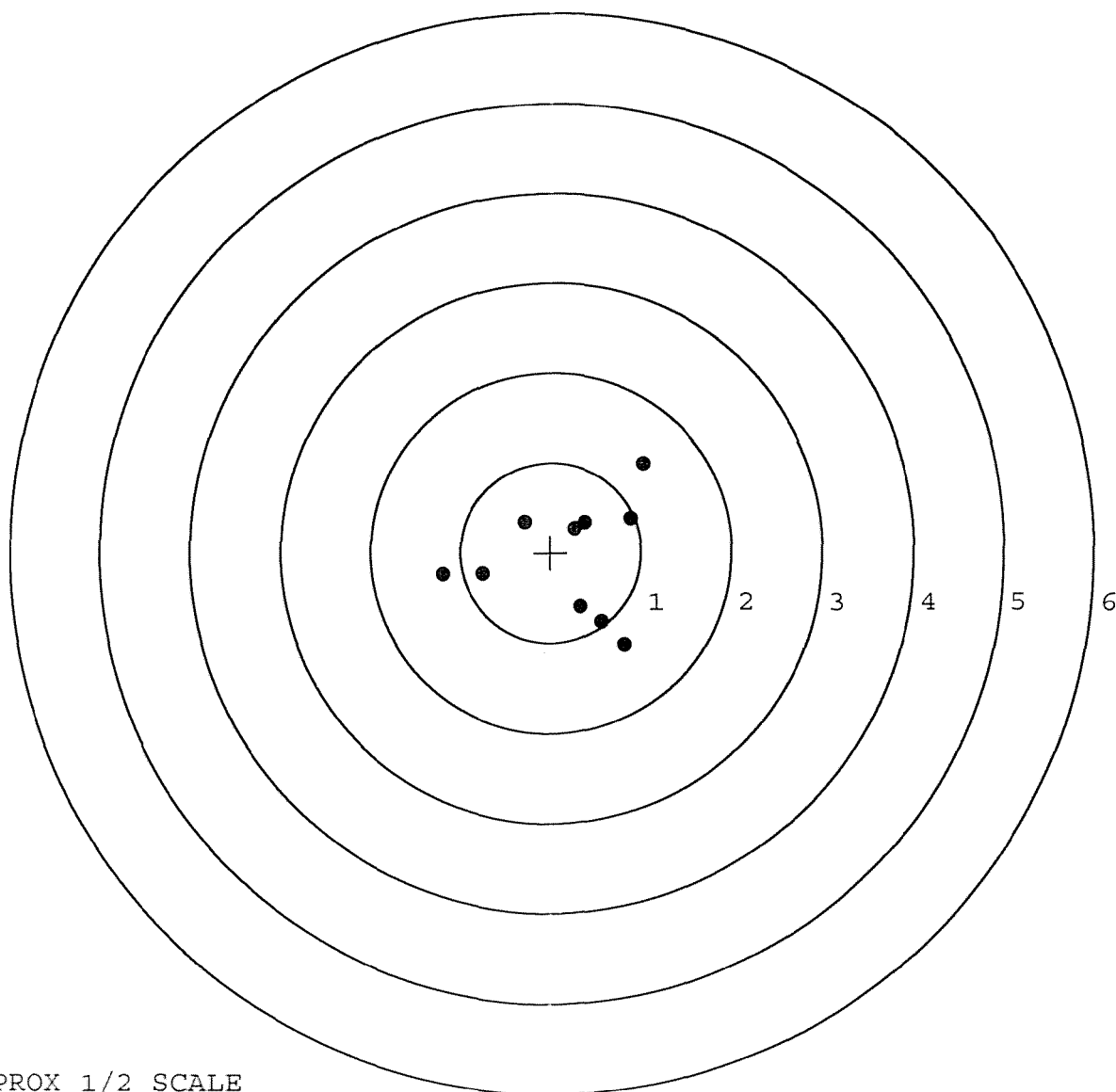
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.061
The Average Y Centroid of the Five Target Set:	0.031
The Average Point of Impact of the Five Target Set:	0.068
The Average Mean Radius of the Five Target Set:	0.826
The Distance from POA to Centroid Target #1:	0.211
The Distance from Centroid Target #2 to Centroid Target #1:	0.146
The Distance from Centroid Target #3 to Centroid Target #1:	0.323
The Distance from Centroid Target #4 to Centroid Target #1:	0.102
The Distance from Centroid Target #5 to Centroid Target #1:	0.380

SERIAL NUMBER: C6349181. __0
TARGET NUMBER: 1
FILE DATE: 06/09/2006
FILE TIME: 17:12

POINT#	X	Y
1:	-1.196	-0.251
2:	-0.749	-0.237
3:	0.327	-0.607
4:	0.560	-0.777
5:	0.816	-1.033
6:	-0.287	0.335
7:	0.265	0.254
8:	0.378	0.326
9:	0.881	0.368
10:	1.020	0.984

X CENTROID: 0.202
Y CENTROID: -0.064
POA TO CENTROID: 0.211
HORZ SPREAD: 2.216
VERT SPREAD: 2.017
GROUP SPREAD: 2.537
MIN RADIUS: 0.324
MAX RADIUS: 1.410
MEAN RADIUS: 0.840
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10



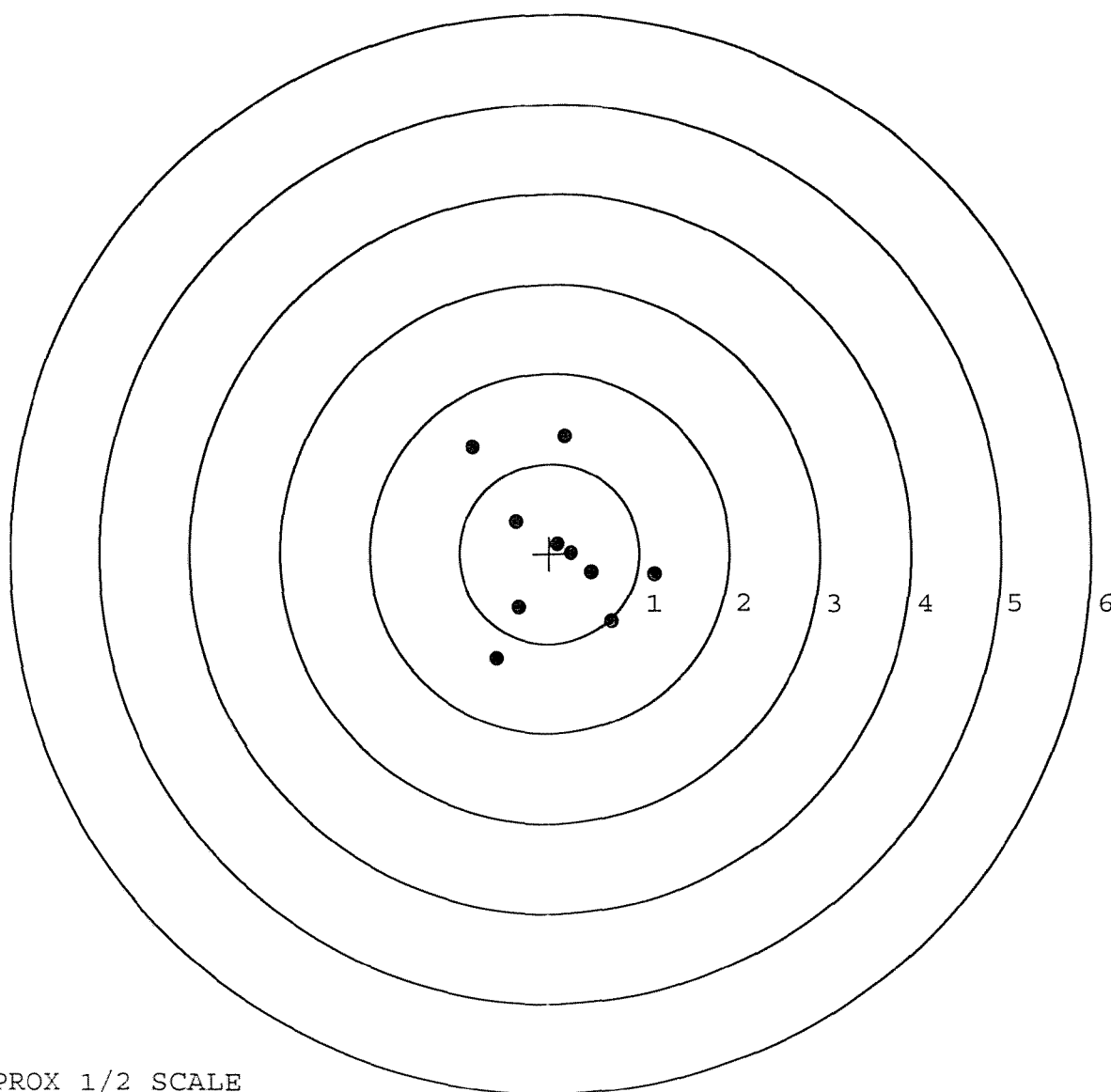
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349181. __0
TARGET NUMBER: 2
FILE DATE: 06/09/2006
FILE TIME: 17:12

X CENTROID: 0.068
Y CENTROID: -0.004
POA TO CENTROID: 0.068
HORZ SPREAD: 2.017
VERT SPREAD: 2.468
GROUP SPREAD: 2.486
MIN RADIUS: 0.107
MAX RADIUS: 1.507
MEAN RADIUS: 0.827

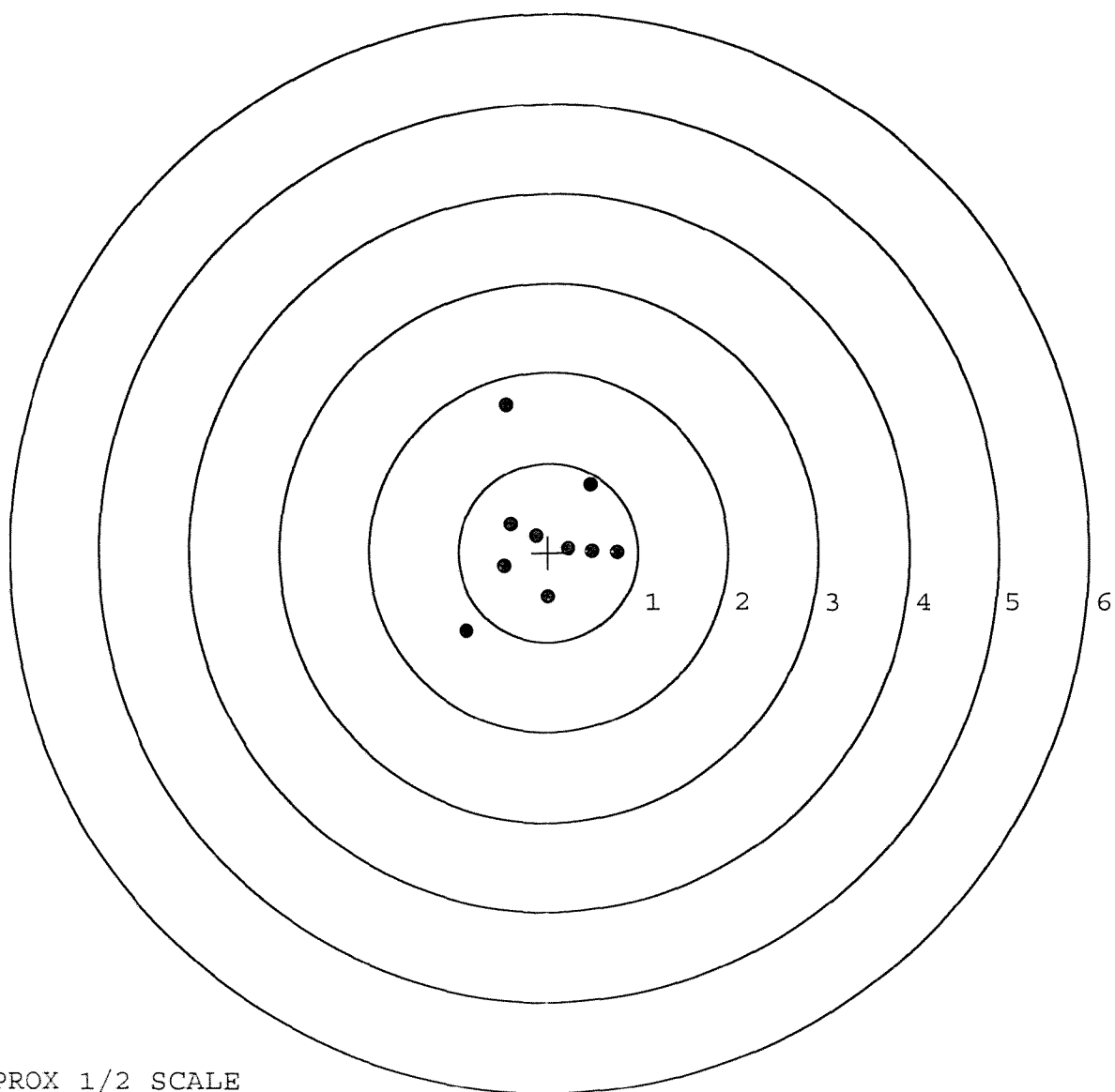
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.856	1.186
2:	0.162	1.300
3:	-0.370	0.348
4:	0.092	0.100
5:	0.246	-0.003
6:	0.469	-0.219
7:	-0.337	-0.603
8:	-0.583	-1.168
9:	0.696	-0.756
10:	1.161	-0.227



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349181. __0	POINT#	X	Y
TARGET NUMBER: 3	1:	-0.475	1.640
FILE DATE: 06/09/2006	2:	0.467	0.747
FILE TIME: 17:12	3:	-0.911	-0.882
	4:	-0.004	-0.498
X CENTROID: -0.048	5:	-0.488	-0.159
Y CENTROID: 0.141	6:	-0.416	0.315
POA TO CENTROID: 0.149	7:	-0.134	0.189
HORZ SPREAD: 1.680	8:	0.220	0.043
VERT SPREAD: 2.522	9:	0.489	0.010
GROUP SPREAD: 2.559	10:	0.769	0.006
MIN RADIUS: 0.098			
MAX RADIUS: 1.558			
MEAN RADIUS: 0.704			
# IN 1 IN DIAMETER: 3			
# IN 2 IN DIAMETER: 8			
# in 3 IN DIAMETER: 9			



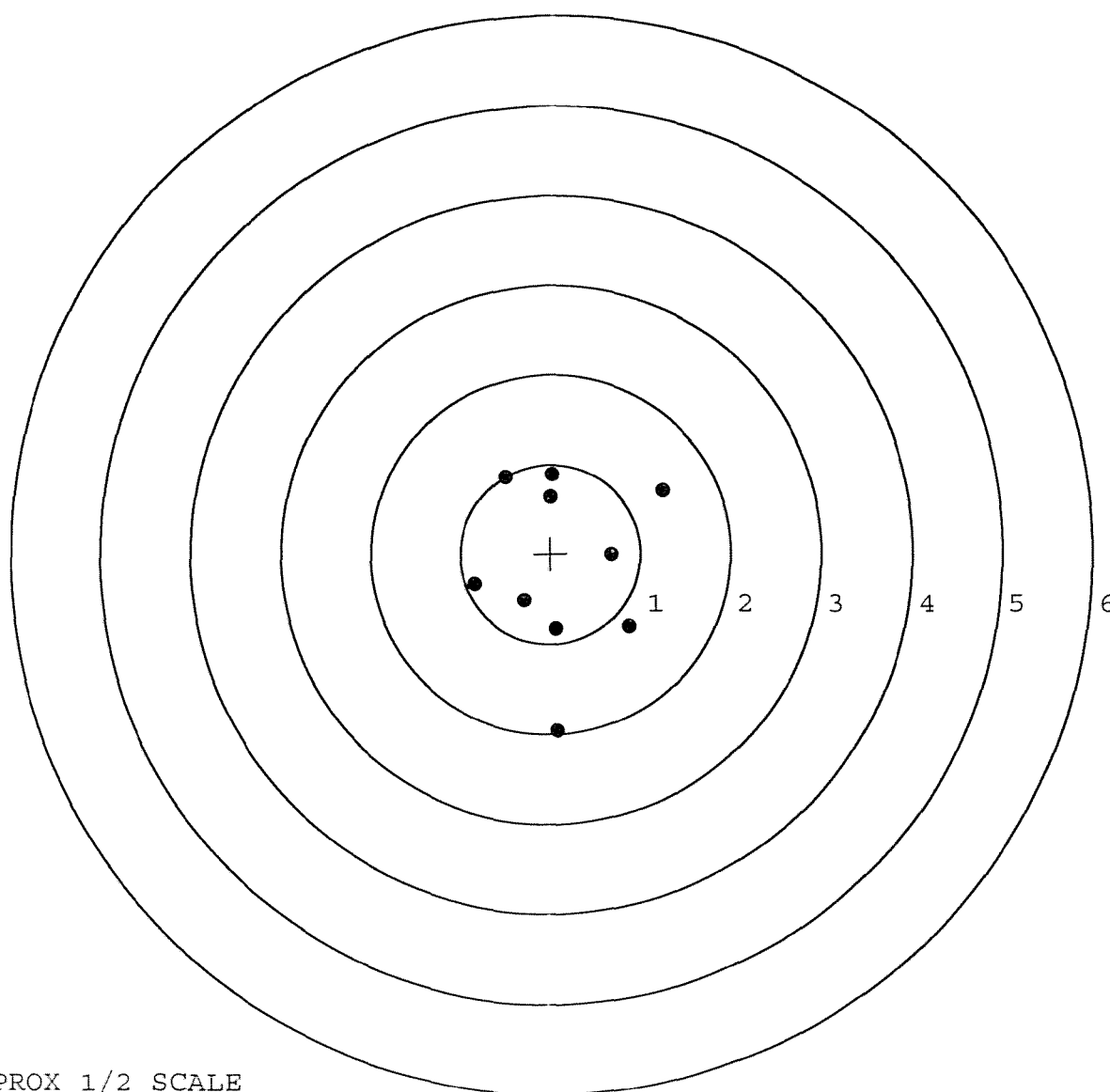
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349181. __0
TARGET NUMBER: 4
FILE DATE: 06/09/2006
FILE TIME: 17:12

X CENTROID: 0.134
Y CENTROID: -0.140
POA TO CENTROID: 0.194
HORZ SPREAD: 2.074
VERT SPREAD: 2.864
GROUP SPREAD: 2.917
MIN RADIUS: 0.559
MAX RADIUS: 1.833
MEAN RADIUS: 1.006

IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.836	-0.341
2:	-0.293	-0.522
3:	0.073	-0.836
4:	0.880	-0.812
5:	0.092	-1.973
6:	0.679	-0.018
7:	1.238	0.710
8:	-0.011	0.635
9:	0.019	0.891
10:	-0.501	0.863



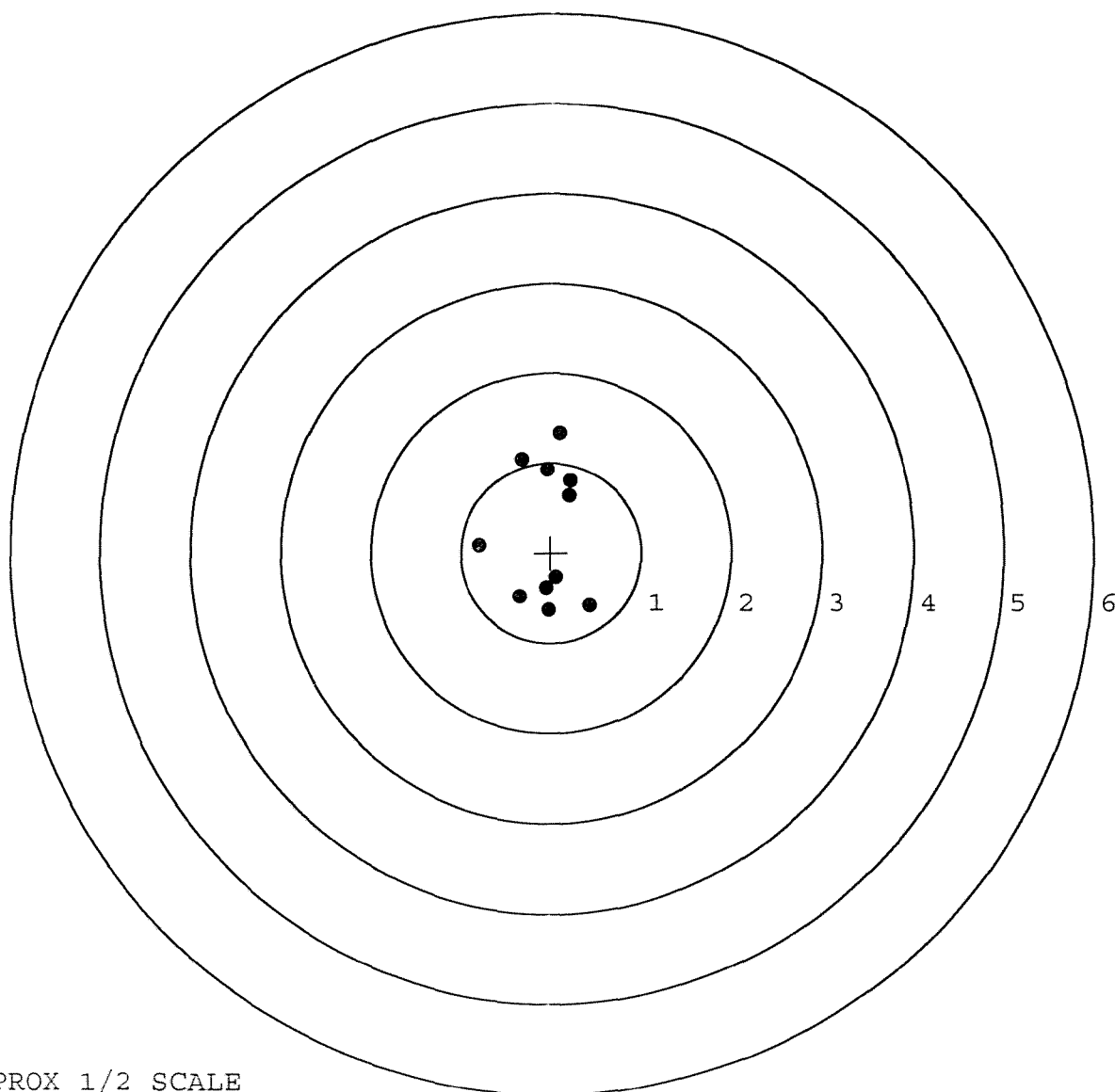
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349181. __0
TARGET NUMBER: 5
FILE DATE: 06/09/2006
FILE TIME: 17:12

X CENTROID: -0.051
Y CENTROID: 0.220
POA TO CENTROID: 0.226
HORZ SPREAD: 1.232
VERT SPREAD: 1.970
GROUP SPREAD: 1.974
MIN RADIUS: 0.487
MAX RADIUS: 1.119
MEAN RADIUS: 0.752

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 11

POINT#	X	Y
1:	-0.322	1.037
2:	-0.046	0.922
3:	0.201	0.637
4:	0.219	0.803
5:	0.095	1.330
6:	-0.798	0.085
7:	-0.341	-0.488
8:	0.063	-0.278
9:	-0.023	-0.640
10:	-0.048	-0.398
11:	0.434	-0.587



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	112584			
SERIAL NUMBER	C6349181			
LOG-IN DATE	5-19-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		5-31-06	RTZ
505	RE-BARREL		6-1-06	RTZ
560	ASSEMBLE		6-1-06	RTZ
600	PROOF	MAGNA-FLUX INSPECTED	6-1-06	TRW
605	CHECK HEADSPACE		6-1-06	TRW
610	DIS-ASSEMBLE GUN	JUN 15 2006	6-2-06	RTZ
612	MAGNAFLUX	OPERATOR APD	6-3-06	APD
510	DRILL AND TAP		6-2-06	TRW
615	ROLLMARK CALIBER		6-2-06	CW
618	ROTO-BLAST		6-5-06	LB
620	APPLY COATINGS		6-7-06	TRW
625	FINAL ASSEMBLY		6-8-06	RTZ
640	FUNCTION TEST AND	PASS	6-9-06	MTM
650	TARGET	PASS	6-9-06	MTM
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		6-22-06	MTM
	A) HEADSPACE	PASS	6-22-06	MTM
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	6 lbs 6 lbs 6 lbs 6-22-06	MTM
	G) SAFETY OFF FORCE	2 LBS MIN	5 lbs 3 lbs 3 lbs 6-22-06	MTM
	I) FIRING PIN INDENT	.020	.022 .023 .022 6-22-06	MTM
690	PACK		7-7-06	RTZ

Remington®

MODEL 700™ H24

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.

DUPONT

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

SERIAL NO.
C6349181

ORDER NO.
5716

LPC

5716 C6349181

0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400109607

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349181

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	90	RW
600	Proof	4 12	90	A
607	Check Headspace	4 12	90	A
610	Dis-assemble Gun	4 12	90	RW
612	Magnaflux Barrel Action	4-19-90		KCR
	Magnaflux Bolt	4-19-90		KCR
615	Rollmark Caliber	4-19-90		GA
617	Drill and Tap Sight Holes		4/23/90	KB
618	Polish Barrel RB		4/24/90	WB
620	Apply Coatings (Barrel Action)		4-30-90	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/90	RW
	C) Inspect Ejector Hole for Chamfer		5/1/90	RW
	D) Oil Firing Pin Ass'y		5/1/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/4/90	RU

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/9/90	92.
	G) Safety Off Force	3	3	3			5/9/90	92.
	H) Trigger Pull Test & Retainability						5/9/90	92.
	I) Firing Pin Indent	.022	.0225	.0215			5/9/90	92.
	J) Assemble Stock						5/14/90	RW
	K) Assemble Swivel Studs						5/16/90	WB
	L) Attach Front and Rear Sight Assemblies						5/14/90	RW
	M) Iron Sight Alignment						5/14/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/14/90	RW
	O) Attach Scope to Rifle						5/14/90	92.
	P) Detach & Attach Scope 20 Times						5/14/90	92.
640	Gallery Target & Test						5-14-90	AC
	A) Time						5-14-90	AC
	B) Malfunctions						5-14-90	AC
	C) Pierced Primers						5-14-90	AC
	D) Optical Clarity of Scope						5-14-90	AC
645	Inspect for Live Ammo						5-14-90	AC
655	Final Inspection						5/13/90	WB
	A) Headspace						5/13/90	WB
	B) Trigger Pull	2.32	2.21	2.32	2.32	2.34	5/13/90	WB
	C) Function						5/16/90	WB
660	Pack						6-19-90	92.

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6349181

DATE 5/9/98

TESTER QJ

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.30	2.27	2.42	2.32	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.40	2.30	2.21	
PULL #3	2.42	2.46	2.35	2.32	
PULL #4	2.38	2.44	2.41	2.32	
PULL #5	2.30	2.50	2.32	2.34	
TOTAL	11.75	12.07	11.80		
AVG.	2.35	2.414	2.36		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.36		
PULL #2	3.29	3.29		
PULL #3	3.33	3.26		
PULL #4	3.13	3.37		
PULL #5	3.23	3.31		
TOTAL	16.23	16.59		
AVG.	3.246	3.318		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.30		4.23
PULL #2	4.17	4.26		4.30
PULL #3	4.20	4.25		4.37
PULL #4	4.29	4.23		4.35
PULL #5	4.30	4.27		4.30
TOTAL	21.30	21.31		21.55
AVG.	4.26	4.262		4.31

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349181
15 May 1990

CENTROIDAL DISTANCES

0	TO	1	.153639
1	TO	2	.115521
1	TO	3	.0840536
1	TO	4	.178877
1	TO	5	.252982

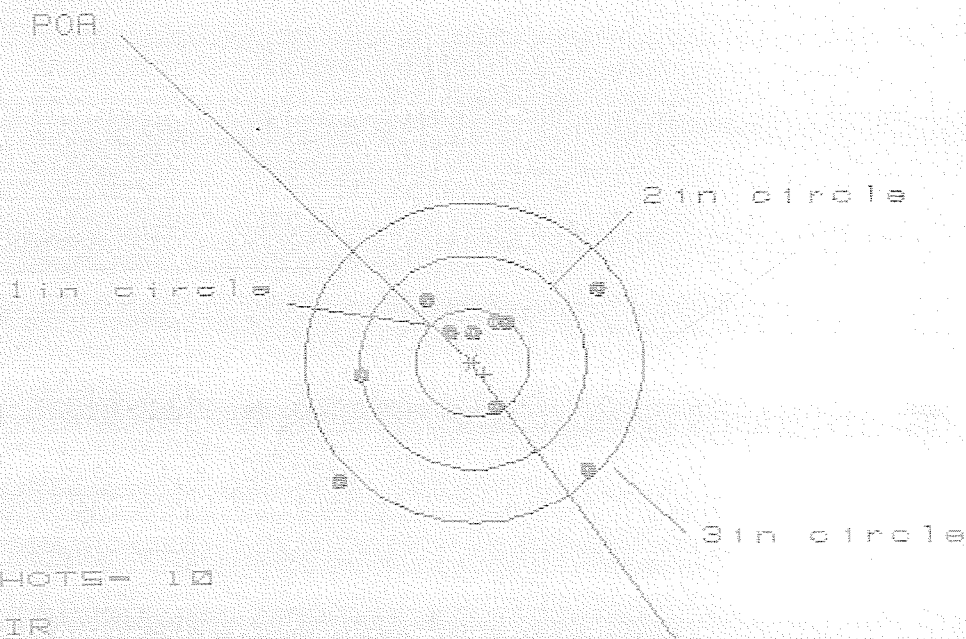
4 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0048
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1212
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .121295
THE AMR FOR THIS RIFLE IS: .8588

14 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08349181

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 4

2in = 6

3in = 9

HS= 2.324

VS= 1.761

GS= 2.916

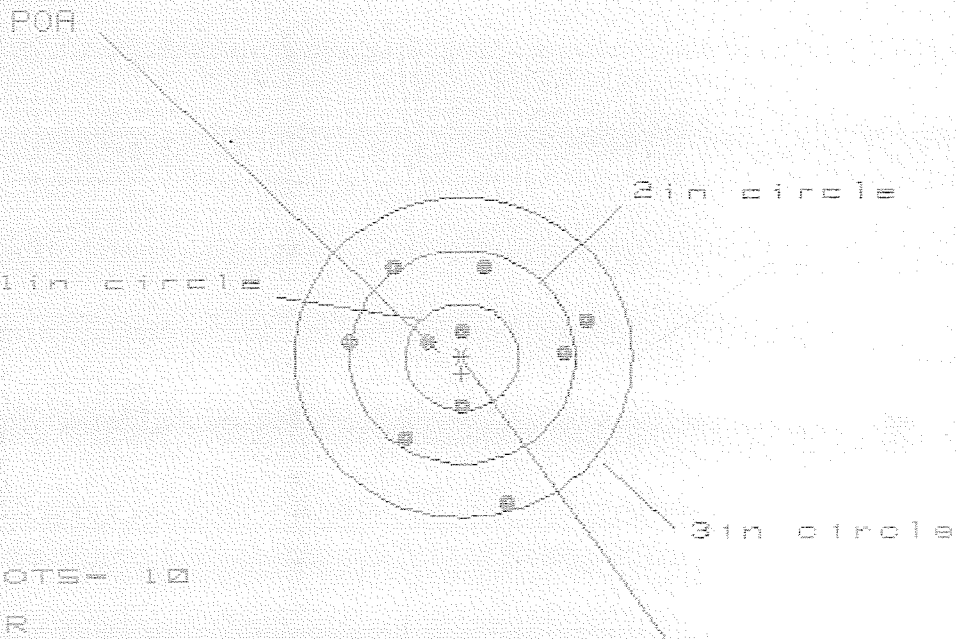
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.123	.990	1.100
MINIMUM X	:	-1.201	-1.173	-1.063
MAXIMUM Y	:	.685	.566	.430
MINIMUM Y	:	-1.076	-1.089	-.700
CENTROID X	:	-.103	.030	-.080
CENTROID Y	:	.114	.233	.369
POA TO CENTROID in.	:	.154	.235	.378
MIN RADIUS	:	.274	.198	.023
MEAN RADIUS	:	.815	.693	.549
MAX RADIUS	:	1.612	1.401	1.101
HORIZONTAL SPREAD	:	2.324	2.163	2.163
VERTICAL SPREAD	:	1.761	1.655	1.130
EXTREME SPREAD	:	2.916	2.302	2.302
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CR3491B1

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.068

VS= 2.198

GS= 2.359

CENTROID *

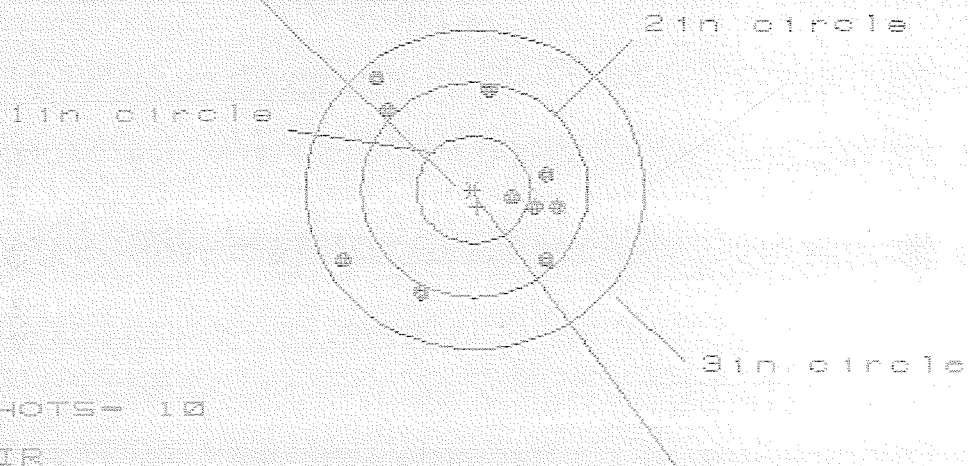
PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.049	1.094	1.044
MINIMUM X	-1.019	-.974	-.838
MAXIMUM Y	.874	.726	.746
MINIMUM Y	-1.324	-.882	-.862
CENTROID X	.005	-.040	-.176
CENTROID Y	.155	.303	.283
POA TO CENTROID in.	.155	.305	.334
MIN RADIUS	.208	.060	.164
MEAN RADIUS	.823	.733	.675
MAX RADIUS	1.385	1.105	1.047
HORIZONTAL SPREAD	2.068	2.068	1.882
VERTICAL SPREAD	2.198	1.608	1.608
EXTREME SPREAD	2.359	2.077	1.883
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

14 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8349181

CENTERFIRE PATTERNS # 3

POA



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 1.921

VS= 2.080

GS= 2.280

CENTROID *

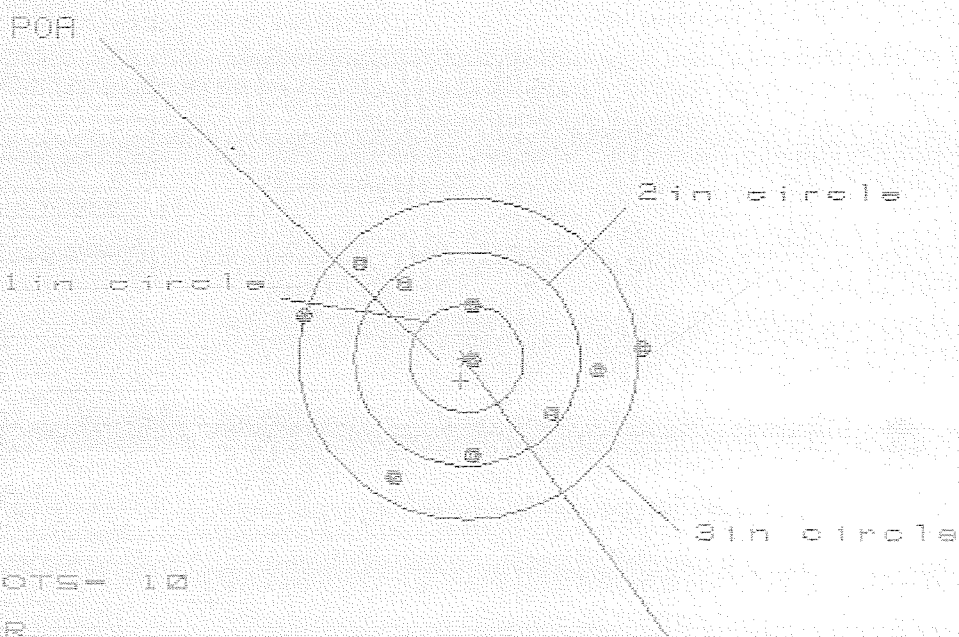
PATTERN # : 3

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.766	.676	.520
MINIMUM X	:	-1.155	-1.245	-.999
MAXIMUM Y	:	1.074	1.034	.963
MINIMUM Y	:	-1.006	-.887	-.958
CENTROID X	:	-.034	.056	.212
CENTROID Y	:	.162	.043	.114
POA TO CENTROID in.	:	.166	.071	.241
MIN RADIUS	:	.391	.285	.143
MEAN RADIUS	:	.908	.824	.695
MAX RADIUS	:	1.350	1.368	1.256
HORIZONTAL SPREAD	:	1.921	1.921	1.519
VERTICAL SPREAD	:	2.080	1.921	1.921
EXTREME SPREAD	:	2.280	2.072	2.008
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C83481B1

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.936

VS= 2.044

GS= 2.953

CENTROID #

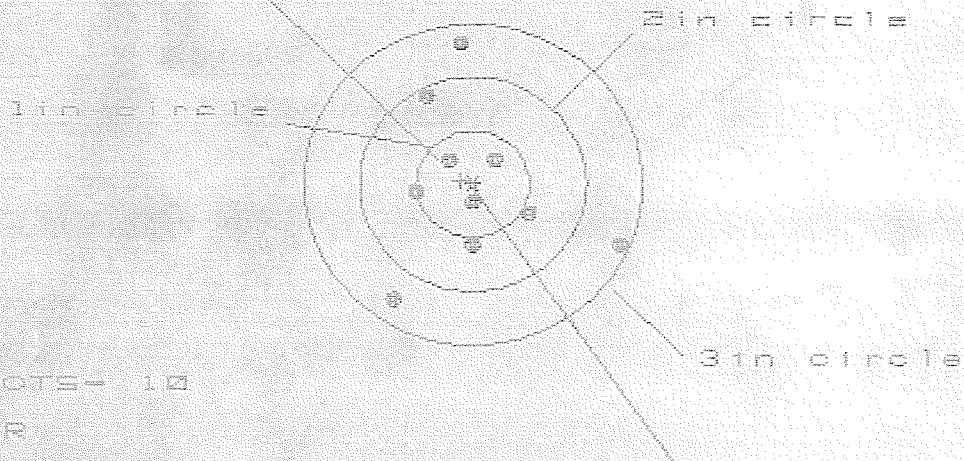
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.530	1.283	1.128
MINIMUM X	:	-1.405	-1.235	-.922
MAXIMUM Y	:	.890	.901	.953
MINIMUM Y	:	-1.154	-1.143	-1.091
CENTROID X	:	.051	-.119	.036
CENTROID Y	:	.205	.194	.142
POA TO CENTROID in.	:	.211	.228	.146
MIN RADIUS	:	.056	.215	.116
MEAN RADIUS	:	1.009	.961	.895
MAX RADIUS	:	1.533	1.305	1.326
HORIZONTAL SPREAD	:	2.936	2.518	2.050
VERTICAL SPREAD	:	2.044	2.044	2.044
EXTREME SPREAD	:	2.953	2.579	2.298
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

14 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C83491B1

CENTERFIRE PATTERNS # 5

POA



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.989

VS= 2.422

GS= 2.504

PATTERN # : 5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.265	.622	.629
MINIMUM X	-.724	-.583	-.576
MAXIMUM Y	1.329	1.271	.968
MINIMUM Y	-1.093	-1.151	-.992
CENTROID X	.105	-.036	-.043
CENTROID Y	-.030	.028	-.131
POA TO CENTROID in.	.109	.046	.138
MIN RADIUS	.134	.147	.114
MEAN RADIUS	.739	.660	.576
MAX RADIUS	1.370	1.290	1.147
HORIZONTAL SPREAD	1.989	1.205	1.205
VERTICAL SPREAD	2.422	2.422	1.960
EXTREME SPREAD	2.504	2.504	1.983
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	