

C6348913

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: C6348913.___0
FILE DATE AND TIME: 11/18/2004 10:36

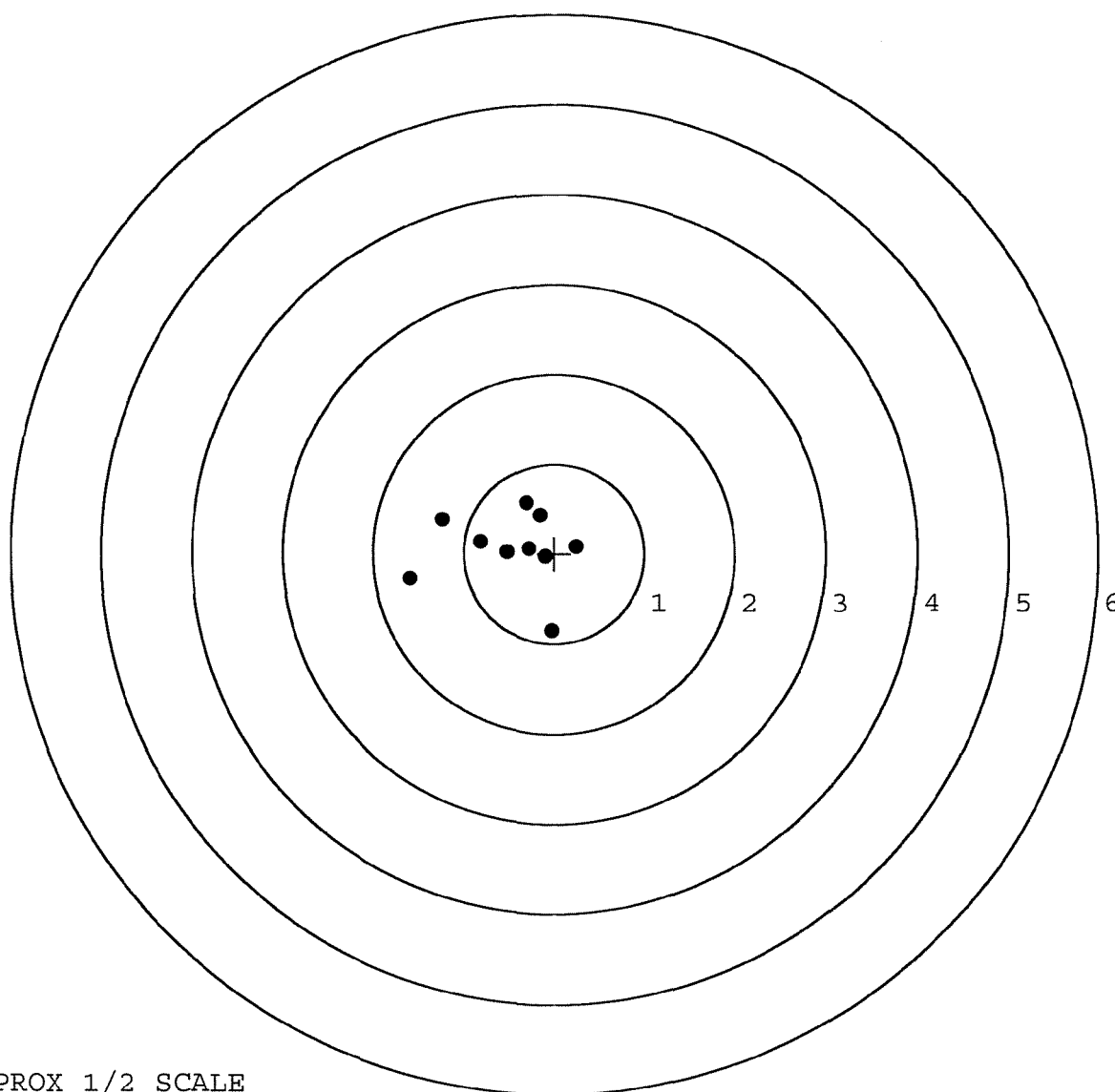
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.087
The Average Y Centroid of the Five Target Set:	-0.092
The Average Point of Impact of the Five Target Set:	0.127
The Average Mean Radius of the Five Target Set:	0.665
The Distance from POA to Centroid Target #1:	0.485
The Distance from Centroid Target #2 to Centroid Target #1:	0.552
The Distance from Centroid Target #3 to Centroid Target #1:	0.489
The Distance from Centroid Target #4 to Centroid Target #1:	0.699
The Distance from Centroid Target #5 to Centroid Target #1:	0.432

SERIAL NUMBER: C6348913. __ 0
TARGET NUMBER: 1
FILE DATE: 11/18/2004
FILE TIME: 10:36

X CENTROID: -0.482
Y CENTROID: 0.048
POA TO CENTROID: 0.485
HORZ SPREAD: 1.838
VERT SPREAD: 1.432
GROUP SPREAD: 1.873
MIN RADIUS: 0.048
MAX RADIUS: 1.163
MEAN RADIUS: 0.575
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.312	0.569
2:	-1.236	0.378
3:	-0.819	0.133
4:	-0.521	0.019
5:	-0.286	0.056
6:	-0.104	-0.035
7:	0.241	0.079
8:	-0.157	0.427
9:	-1.597	-0.283
10:	-0.032	-0.863

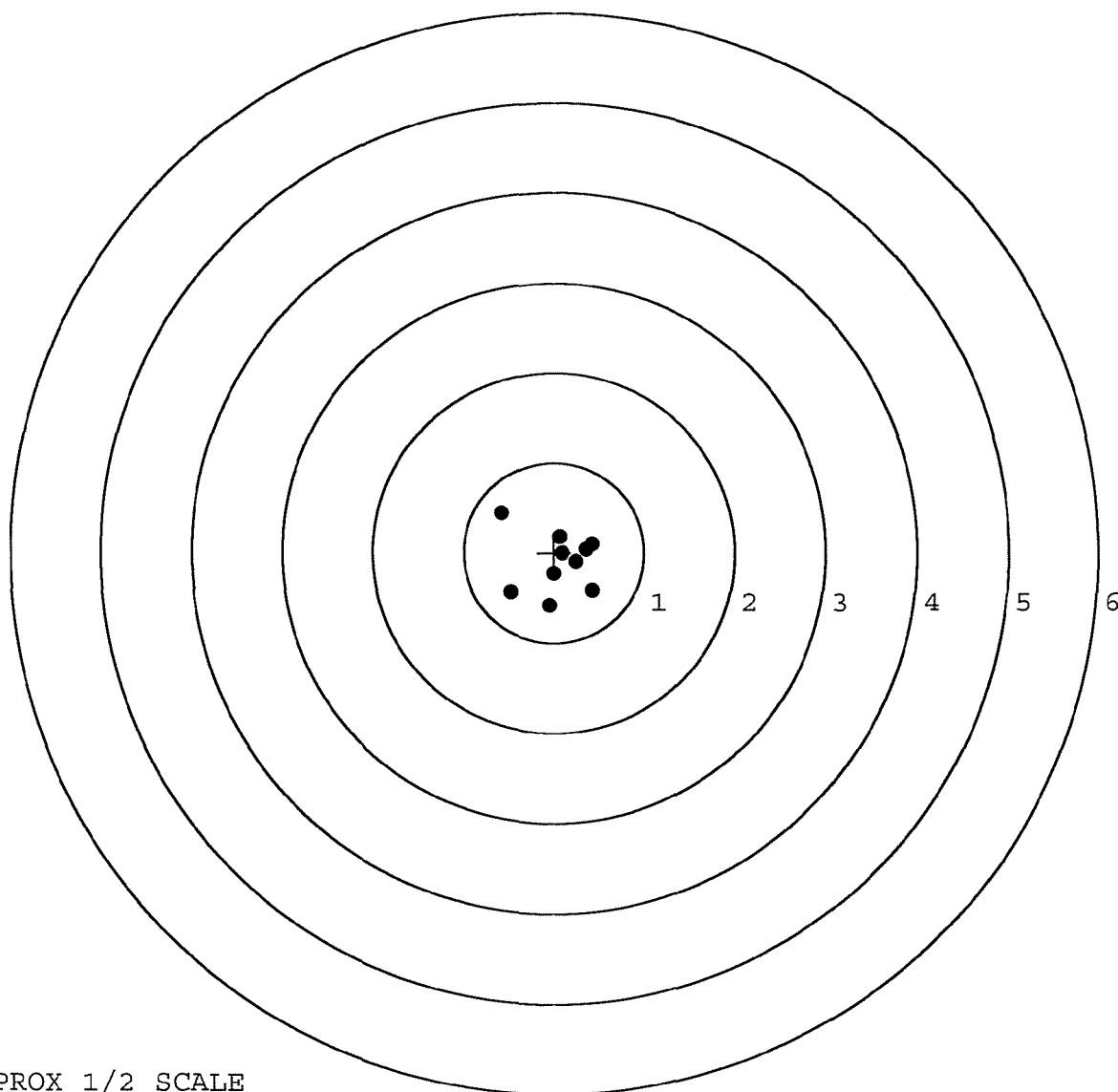


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348913. __0
TARGET NUMBER: 2
FILE DATE: 11/18/2004
FILE TIME: 10:36

X CENTROID: 0.048
Y CENTROID: -0.106
POA TO CENTROID: 0.116
HORZ SPREAD: 1.007
VERT SPREAD: 1.025
GROUP SPREAD: 1.322
MIN RADIUS: 0.104
MAX RADIUS: 0.832
MEAN RADIUS: 0.393
IN 1 IN DIAMETER: 8
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.478	-0.442
2:	-0.584	0.436
3:	0.061	0.176
4:	0.421	0.094
5:	0.423	-0.421
6:	-0.012	-0.239
7:	0.245	-0.100
8:	0.358	0.039
9:	0.090	-0.011
10:	-0.049	-0.589



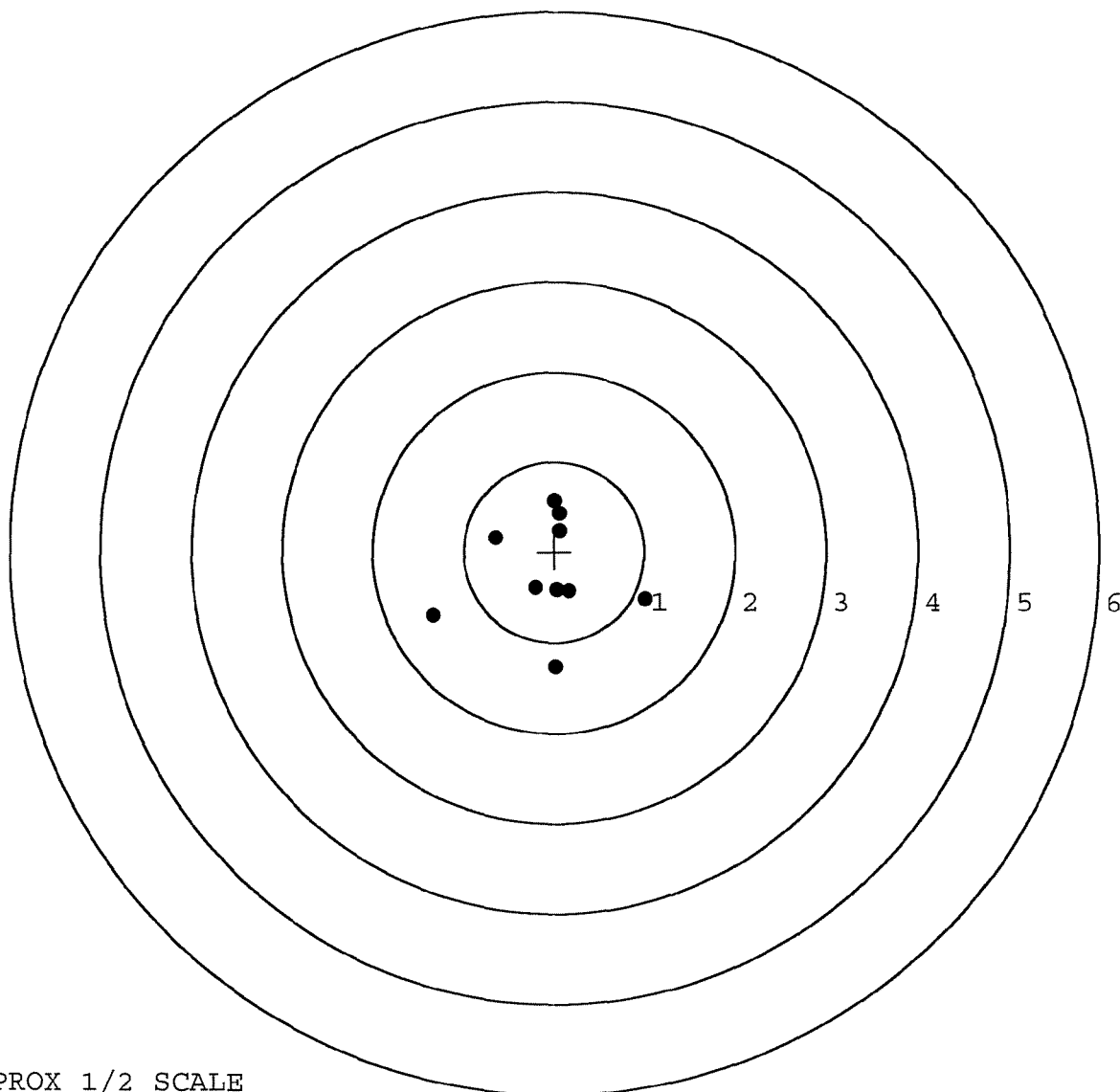
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348913. __ 0
TARGET NUMBER: 3
FILE DATE: 11/18/2004
FILE TIME: 10:36

X CENTROID: -0.086
Y CENTROID: -0.238
POA TO CENTROID: 0.253
HORZ SPREAD: 2.350
VERT SPREAD: 1.839
GROUP SPREAD: 2.358
MIN RADIUS: 0.204
MAX RADIUS: 1.339
MEAN RADIUS: 0.693

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.164	-0.439
2:	0.030	-0.426
3:	-0.209	-0.401
4:	0.057	0.234
5:	0.059	0.430
6:	-0.003	0.567
7:	1.011	-0.521
8:	-1.339	-0.711
9:	-0.648	0.157
10:	0.020	-1.272

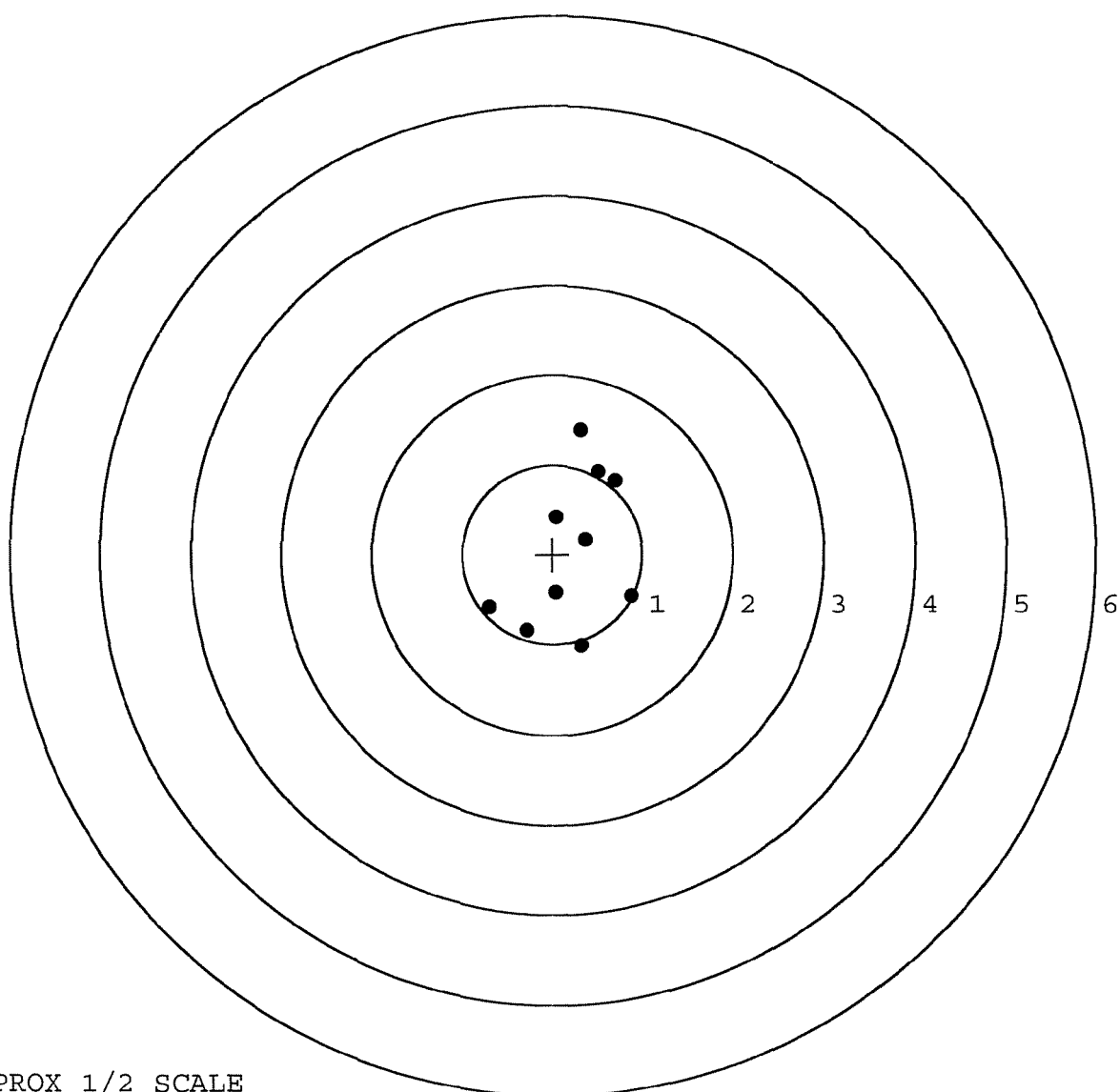


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348913. __0
TARGET NUMBER: 4
FILE DATE: 11/18/2004
FILE TIME: 10:36

X CENTROID: 0.216
Y CENTROID: 0.038
POA TO CENTROID: 0.220
HORZ SPREAD: 1.580
VERT SPREAD: 2.406
GROUP SPREAD: 2.406
MIN RADIUS: 0.195
MAX RADIUS: 1.355
MEAN RADIUS: 0.835
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.879	-0.464
2:	0.321	-1.017
3:	0.035	-0.428
4:	-0.289	-0.851
5:	-0.701	-0.590
6:	0.363	0.167
7:	0.039	0.416
8:	0.697	0.827
9:	0.508	0.929
10:	0.311	1.389

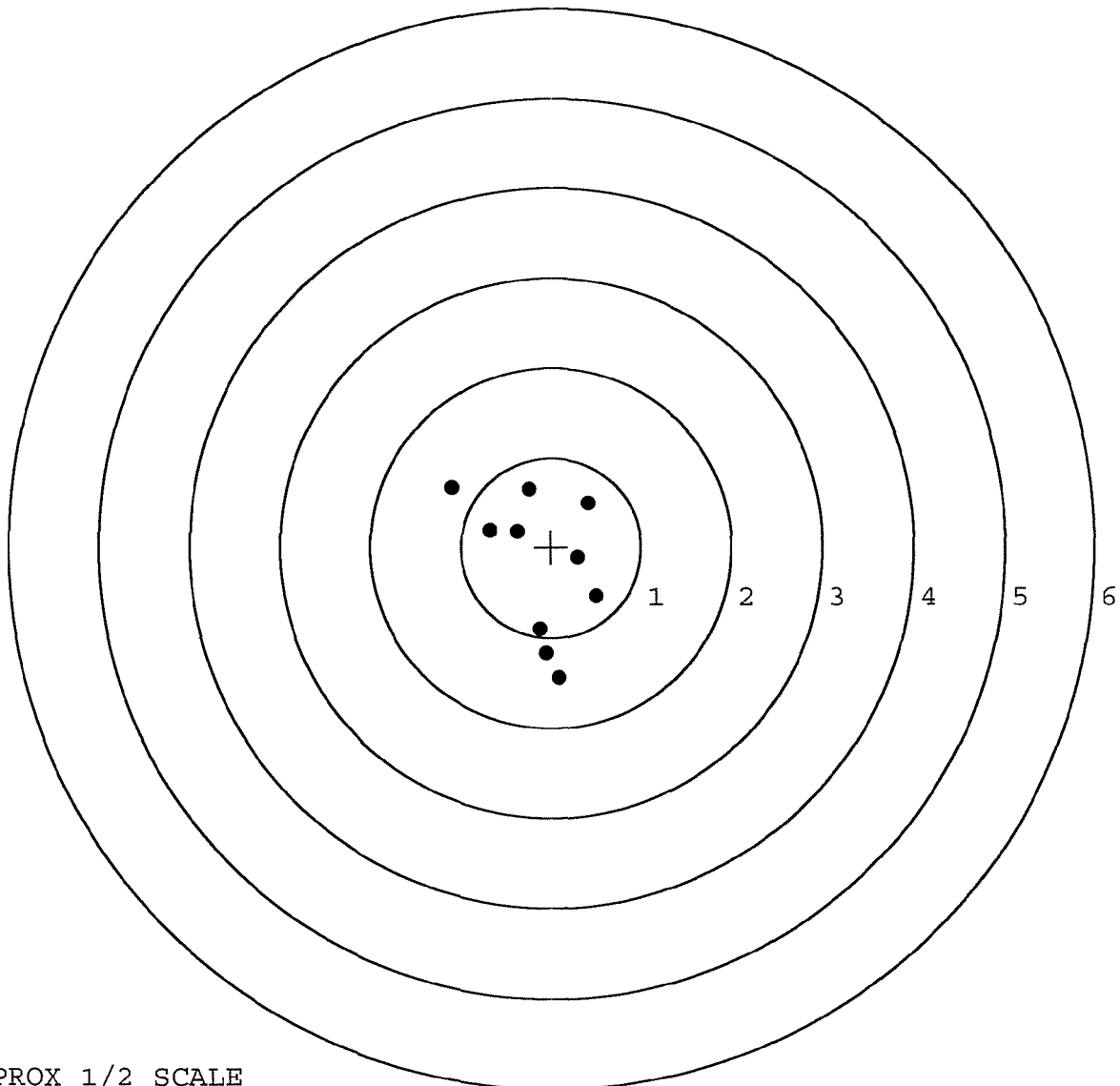


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348913. __0
TARGET NUMBER: 5
FILE DATE: 11/18/2004
FILE TIME: 10:36

X CENTROID: -0.130
Y CENTROID: -0.202
POA TO CENTROID: 0.240
HORZ SPREAD: 1.601
VERT SPREAD: 2.110
GROUP SPREAD: 2.424
MIN RADIUS: 0.435
MAX RADIUS: 1.297
MEAN RADIUS: 0.828
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.411	0.497
2:	-0.251	0.653
3:	-1.100	0.660
4:	0.093	-1.450
5:	-0.057	-1.175
6:	-0.128	-0.907
7:	0.501	-0.542
8:	0.297	-0.118
9:	-0.686	0.191
10:	-0.382	0.175



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	87065		
SERIAL NUMBER	C- 6348979 C634 8913		
LOG-IN DATE	10-27-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-30-04	RA
560 A	RE-BARREL	11-2-04	RTL
B	DRILL AND TAP	11-4-04	TRW
575	ASSEMBLE	11-2-04	RTL
600	PROOF	11-3-04	RTL
605	CHECK HEADSPACE	11-3-04	RTL
610	DIS-ASSEMBLE GUN	11-4-04	RTL
612	MAGNAFLUX	11-5-04	LB
615	ROLLMARK CALIBER	11-6-04	LB
618	ROTO-BLAST	11-9	HA
620	APPLY COATINGS	11-15-04	RTL
625 A	FINAL ASSEMBLY	N/A	N/A
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-17-04	TRW
655	FINAL INSPECT	11-18-04	AC
660	PACK	11-19-04	RA
		SHIP DATE	
		QAR INSPECTION DATE	



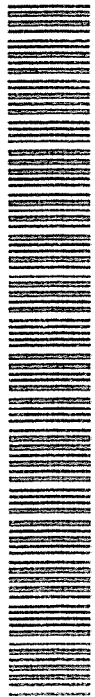

VERY IMPORTANT
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700TM H24

SERIAL NO.
06348913

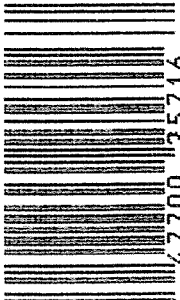
ORDER NO.
5716

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



5716 06348913

UPC



0 47700 25716 7

M-24

Score 0180

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348913

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 14	89	RW
600	Proof	9 14	89	RW
607	Check Headspace	9 14	89	RW
610	Dis-assemble Gun	9 14	89	RW
612	Magnaflux Barrel Action	9-14-89		KCR
	Magnaflux Bolt	9-14-89		KCR
615	Rollmark Caliber		9-15-89	GP
7	Drill and Tap Sight Holes	9 15	89	FB
618	Polish Barrel	9 15	89	BT
620	Apply Coatings (Barrel Action)		9-15-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/26/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	RW
	C) Inspect Ejector Hole for Chamfer		9/26/89	RW
	D) Oil Firing Pin Ass'y		9/26/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		200589	JS

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4	4	4	10/4/89	JL		
	G) Safety Off Force	3	3	3	10/4/89	JL		
	H) Trigger Pull Test & Retainability				2 Oct 89	JL		
	I) Firing Pin Indent	.021	.0205	.0205	10/4/89	JM		
	J) Assemble Stock				10/6/89	RW		
	K) Assemble Swivel Studs				9 Oct 89	JL		
	L) Attach Front and Rear Sight Assemblies				10/6/89	RW		
	M) Iron Sight Alignment				10/6/89	RW		
	N) Detach Front & Rear Sights & place in numbered container				10/6/89	RW		
	O) Attach Scope to Rifle				10/6/89	JL		
	P) Detach & Attach Scope 20 Times				10/6/89	JL		
640	Gallery Target & Test				10-6-89	AC		
	A) Time				10-6-89	AC		
	B) Malfunctions				10-6-89	AC		
	C) Pierced Primers				10-6-89	AC		
	D) Optical Clarity of Scope				10-6-89	AC		
645	Inspect for Live Ammo				10-6-89	AC		
655	Final Inspection							
	A) Headspace				9 Oct 89	JL		
	B) Trigger Pull	229	256	264	273	276	9 Oct 89	JL
	C) Function						9 Oct 89	JL
660	Pack						14 Oct 89	JL

SWS TRIGGER PULL TEST

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

SERIAL NO. 8913
DATE 3-26-90
TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.51		2.40	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.50		2.37	
PULL #3	2.56	2.48		2.34	
PULL #4	2.55	2.48		2.33	
PULL #5	2.49	2.45		2.39	
TOTAL	12.38	12.42		11.83	
AVG.	2.476	2.484		2.366	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.28		
PULL #2	3.29	3.06		
PULL #3	3.26	3.26		
PULL #4	3.52	3.23		
PULL #5	3.60	3.22		
TOTAL	17.06	16.05		
AVG.	3.412	3.21		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.51		
PULL #2	4.05	4.50		
PULL #3	4.44	4.49		
PULL #4	4.46	4.48		
PULL #5	4.50	4.44		
TOTAL	21.74	22.42		
AVG.	4.348	4.484		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348913
6 Oct 1989

CENTROIDAL DISTANCES

0 TO 1	.432094
1 TO 2	.572267
1 TO 3	.465695
1 TO 4	.232002
1 TO 5	.933083

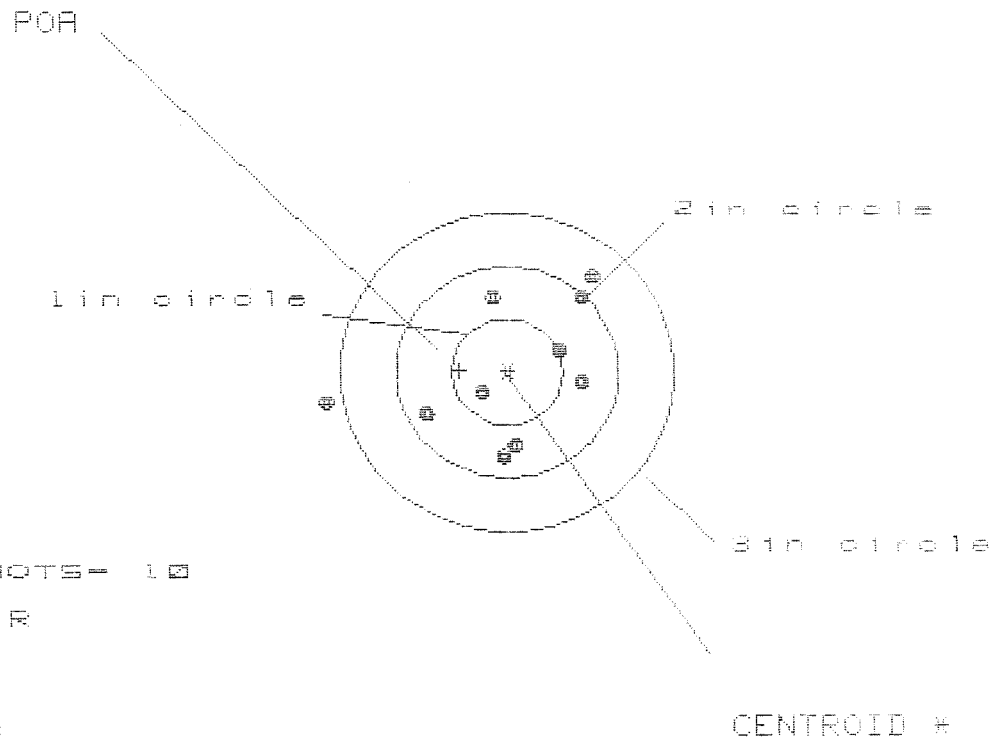
$\frac{2}{41}$ <----POA
3

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0482
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .031
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0573993
THE AMR FOR THIS RIFLE IS: .9576

6 Oct 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C834B913

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 0

HS= 2.439

VS= 1.743

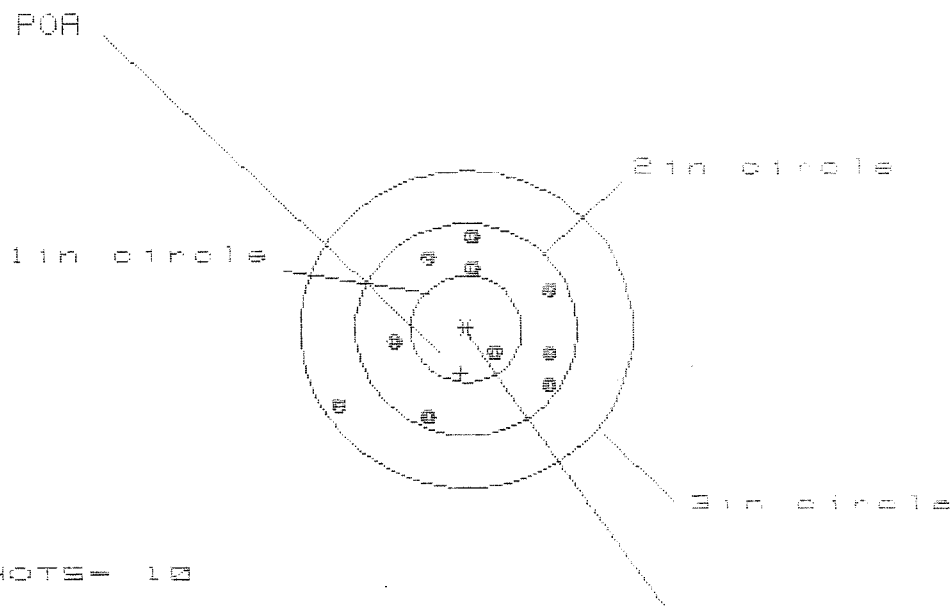
GS= 2.744

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.799	.616	.589
MINIMUM X	:	-1.640	-.922	-.845
MAXIMUM Y	:	.930	.894	.760
MINIMUM Y	:	-.813	-.849	-.737
CENTROID X	:	.432	.615	.538
CENTROID Y	:	-.069	.027	-.085
POA TO CENTROID in.	:	.432	.615	.544
MIN RADIUS	:	.281	.285	.339
MEAN RADIUS	:	.828	.713	.658
MAX RADIUS	:	1.673	1.086	.962
HORIZONTAL SPREAD	:	2.439	1.538	1.434
VERTICAL SPREAD	:	1.743	1.743	1.497
EXTREME SPREAD	:	2.744	2.024	1.789
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B313

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 9

3in = 10

HS= 1.952

VS= 1.695

GS= 2.232

CENTROID +

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.785	.655	.646
MINIMUM X	:	-1.167	-.745	-.754
MAXIMUM Y	:	.903	.828	.760
MINIMUM Y	:	-.792	-.867	-.763
CENTROID X	:	.051	.181	.198
CENTROID Y	:	.418	.493	.389
POA TO CENTROID in.	:	.421	.525	.483
MIN RADIUS	:	.336	.348	.245
MEAN RADIUS	:	.807	.731	.708
MAX RADIUS	:	1.347	1.007	.930
HORIZONTAL SPREAD	:	1.952	1.400	1.400
VERTICAL SPREAD	:	1.695	1.695	1.523
EXTREME SPREAD	:	2.232	1.751	1.679
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0894B913

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 6

3 in = 9

HS= 2.880

VS= 1.870

GS= 2.938

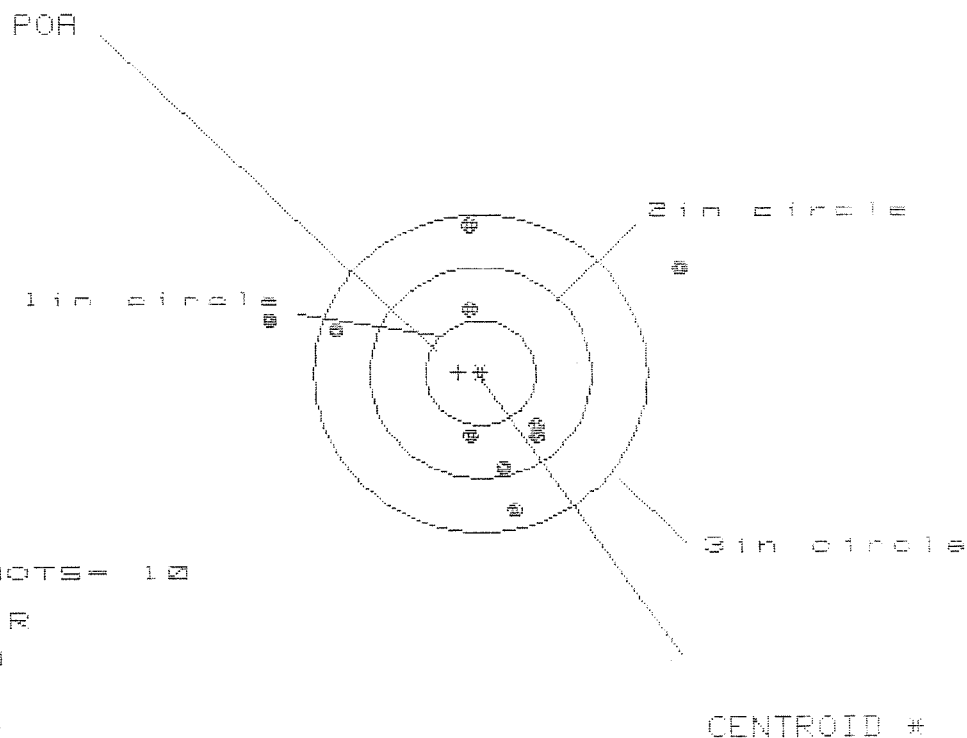
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.210	1.024	.819
MINIMUM X	:	-1.670	-1.120	-.992
MAXIMUM Y	:	.977	.979	1.055
MINIMUM Y	:	-.893	-.891	-.815
CENTROID X	:	-.014	.172	.044
CENTROID Y	:	.125	.123	.047
POA TO CENTROID in.	:	.126	.211	.064
MIN RADIUS	:	.621	.468	.534
MEAN RADIUS	:	1.007	.896	.968
MAX RADIUS	:	1.670	1.368	1.222
HORIZONTAL SPREAD	:	2.880	2.144	1.811
VERTICAL SPREAD	:	1.870	1.870	1.973
EXTREME SPREAD	:	2.938	2.547	1.976
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Oct 1985

FILE:/PATTERNING/CENTERFIRE_PATT/0634B913

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS= 3.622

VS= 2.718

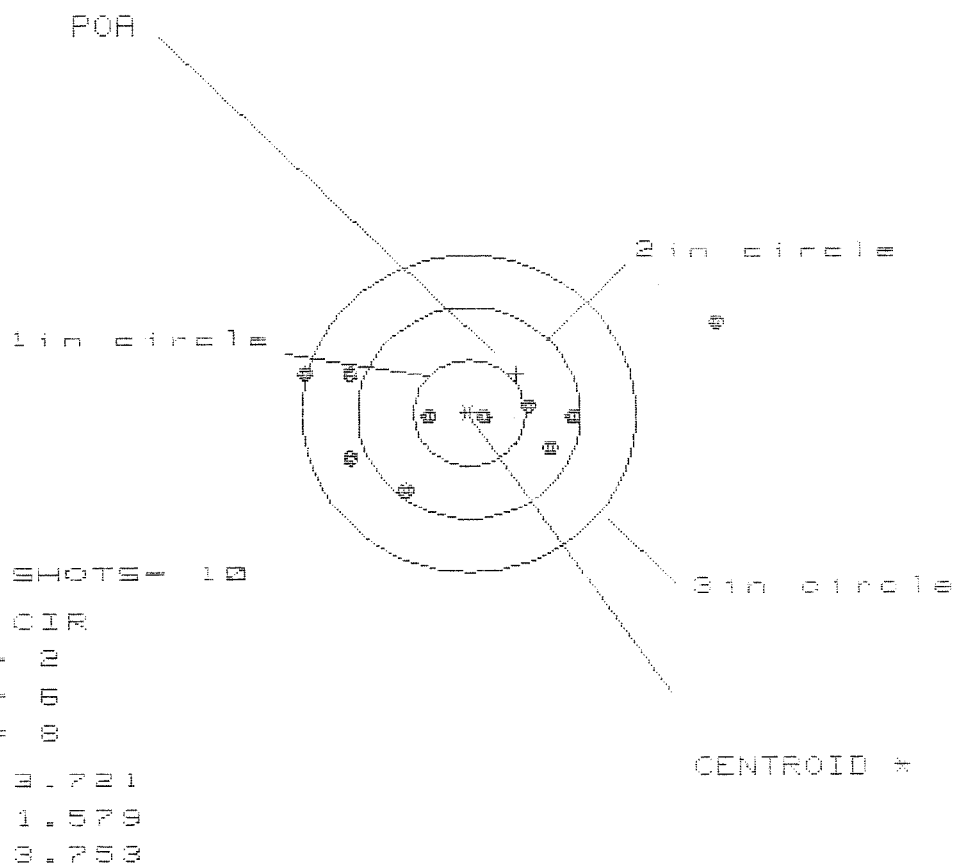
GS= 3.661

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.765	.706	.499
MINIMUM X	:	-1.857	-1.661	-1.285
MAXIMUM Y	:	1.386	1.500	1.577
MINIMUM Y	:	-1.332	-1.218	-1.141
CENTROID X	:	.200	.004	.211
CENTROID Y	:	-.008	-.122	-.199
POA TO CENTROID in.	:	.200	.122	.290
MIN RADIUS	:	.560	.518	.426
MEAN RADIUS	:	1.163	1.059	.913
MAX RADIUS	:	2.045	1.770	1.579
HORIZONTAL SPREAD	:	3.622	2.367	1.784
VERTICAL SPREAD	:	2.718	2.718	2.718
EXTREME SPREAD	:	3.661	2.830	2.744
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

8 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8346913

CENTERFIRE PATTERNS # 5



PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	2.257
MINIMUM X	-1.464
MAXIMUM Y	.843
MINIMUM Y	-.736
CENTROID X	-.428
CENTROID Y	-.371
POA TO CENTROID in.	.567
MIN RADIUS	.133
MEAN RADIUS	.983
MAX RADIUS	2.410
HORIZONTAL SPREAD	3.721
VERTICAL SPREAD	1.579
EXTREME SPREAD	3.753
NUMBER IN ONE INCH CIRCLE	2
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	8