

C6225499

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Serial Number: C6225499

Model: M24 SWS



RE00092559

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225499.___0
FILE DATE AND TIME: 04/19/2005 06:44

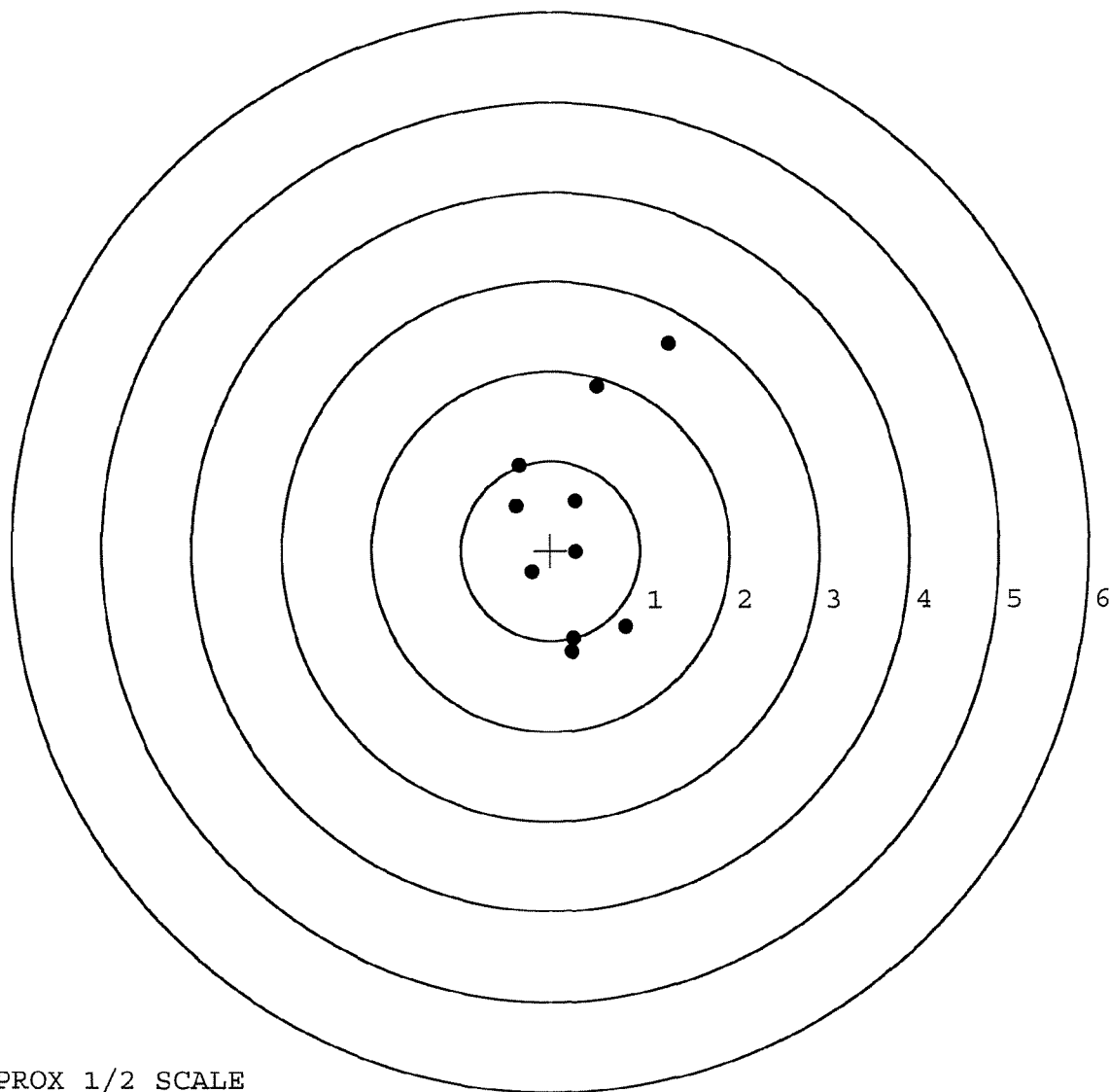
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.070
The Average Y Centroid of the Five Target Set:	-0.063
The Average Point of Impact of the Five Target Set:	0.095
The Average Mean Radius of the Five Target Set:	0.920
The Distance from POA to Centroid Target #1:	0.404
The Distance from Centroid Target #2 to Centroid Target #1:	0.694
The Distance from Centroid Target #3 to Centroid Target #1:	0.612
The Distance from Centroid Target #4 to Centroid Target #1:	0.687
The Distance from Centroid Target #5 to Centroid Target #1:	0.529

SERIAL NUMBER: C6225499. 0
 TARGET NUMBER: 1
 FILE DATE: 04/19/2005
 FILE TIME: 06:44

POINT#	X	Y
1:	0.840	-0.848
2:	0.257	-0.978
3:	0.245	-1.126
4:	0.284	-0.016
5:	-0.211	-0.242
6:	0.280	0.555
7:	-0.391	0.499
8:	-0.352	0.947
9:	0.516	1.830
10:	1.324	2.295

X CENTROID: 0.279
 Y CENTROID: 0.292
 POA TO CENTROID: 0.404
 HORZ SPREAD: 1.715
 VERT SPREAD: 3.421
 GROUP SPREAD: 3.587
 MIN RADIUS: 0.263
 MAX RADIUS: 2.259
 MEAN RADIUS: 1.068
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225499. __ 0

TARGET NUMBER: 2

FILE DATE: 04/19/2005

FILE TIME: 06:44

X CENTROID: -0.276

Y CENTROID: -0.125

POA TO CENTROID: 0.302

HORZ SPREAD: 2.523

VERT SPREAD: 2.686

GROUP SPREAD: 3.327

MIN RADIUS: 0.310

MAX RADIUS: 1.858

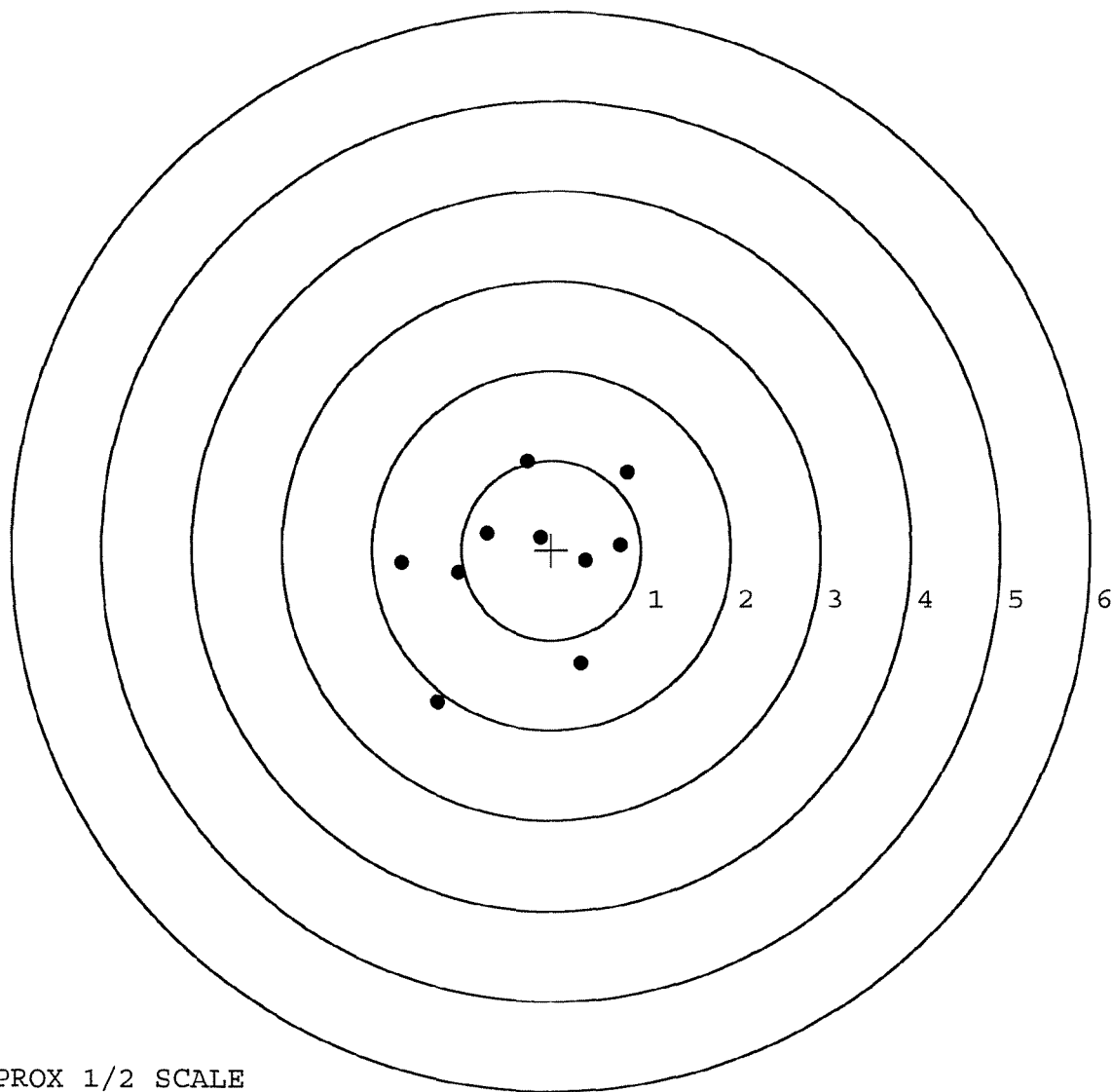
MEAN RADIUS: 1.049

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.124	0.145
2:	-0.716	0.180
3:	-1.036	-0.254
4:	-1.671	-0.148
5:	0.382	-0.121
6:	0.767	0.055
7:	0.328	-1.265
8:	-1.265	-1.698
9:	0.852	0.869
10:	-0.272	0.988



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225499. __0

TARGET NUMBER: 3

FILE DATE: 04/19/2005

FILE TIME: 06:44

POINT#	X	Y
1:	1.115	-0.203
2:	-0.546	-0.146
3:	0.340	0.175
4:	0.129	0.379
5:	-0.227	0.335
6:	-0.157	0.911
7:	-0.342	-1.077
8:	-0.118	-1.152
9:	-0.304	-1.532
10:	-0.277	0.002

X CENTROID: -0.039

Y CENTROID: -0.231

POA TO CENTROID: 0.234

HORZ SPREAD: 1.661

VERT SPREAD: 2.443

GROUP SPREAD: 2.447

MIN RADIUS: 0.333

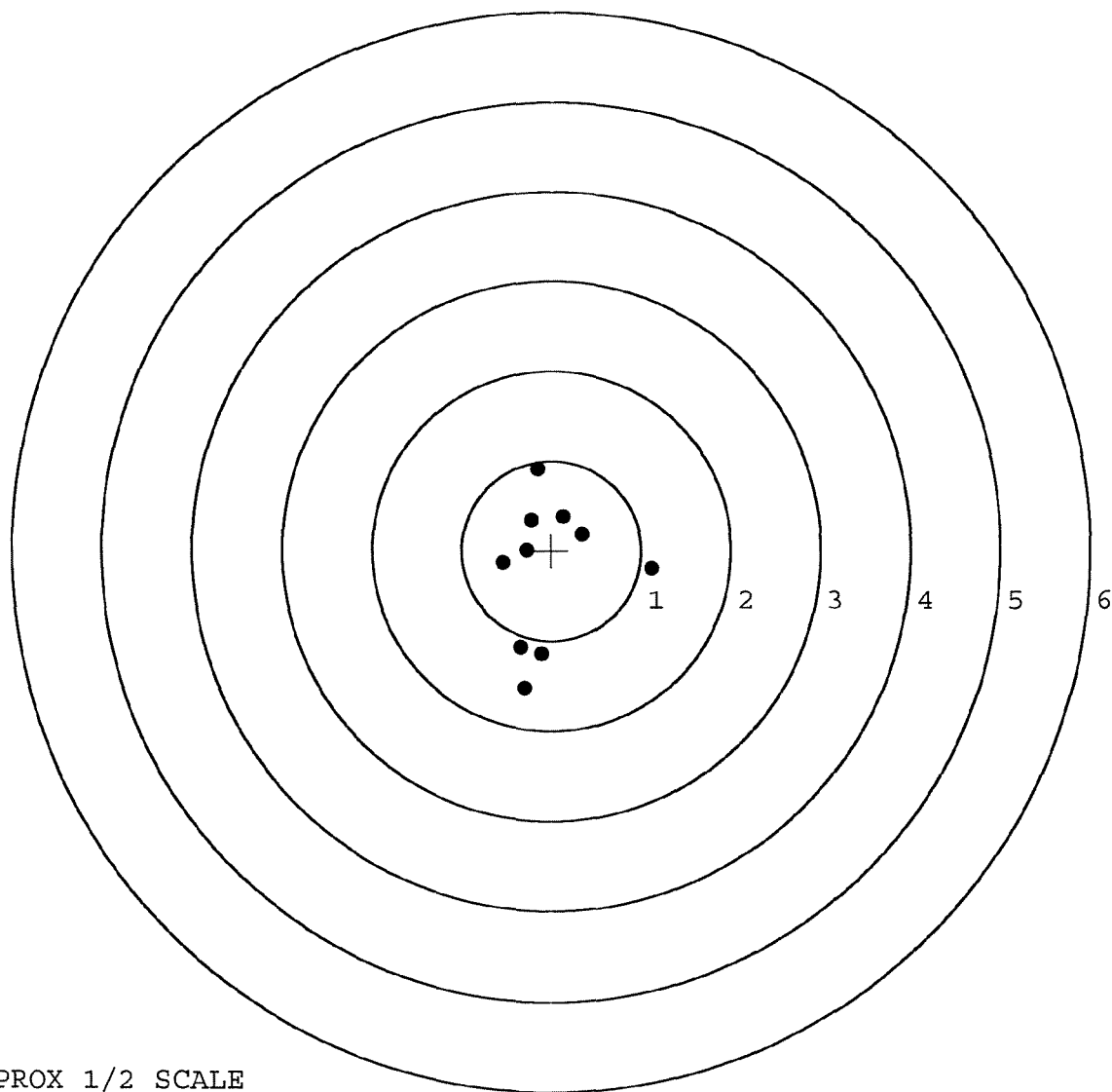
MAX RADIUS: 1.328

MEAN RADIUS: 0.808

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

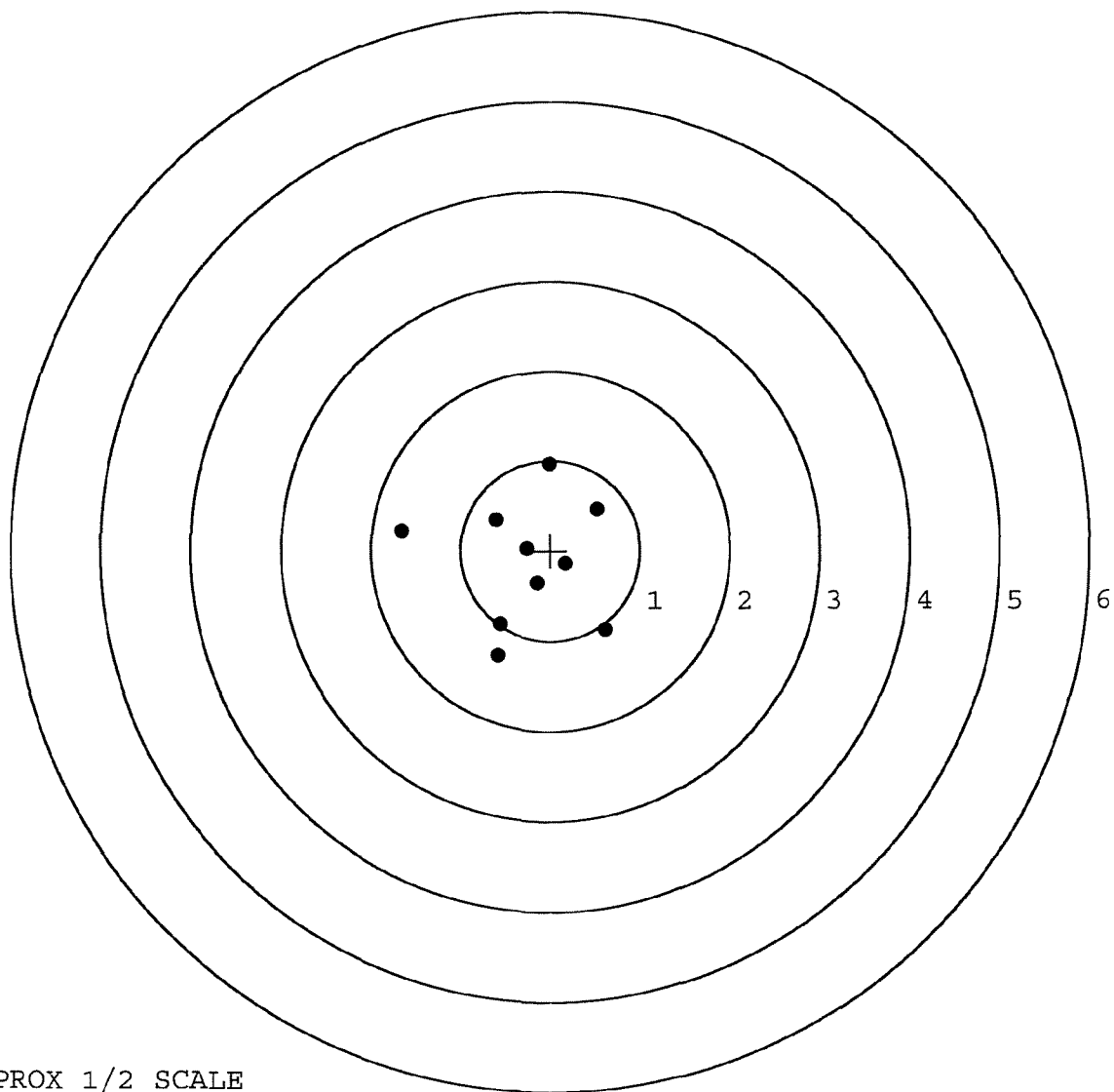


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225499. __0
 TARGET NUMBER: 4
 FILE DATE: 04/19/2005
 FILE TIME: 06:44

POINT#	X	Y
1:	0.607	-0.876
2:	-0.590	-1.162
3:	-0.561	-0.819
4:	0.517	0.455
5:	-0.017	0.961
6:	0.170	-0.150
7:	-0.153	-0.365
8:	-0.265	0.023
9:	-0.612	0.335
10:	-1.662	0.218

X CENTROID: -0.257
 Y CENTROID: -0.138
 POA TO CENTROID: 0.291
 HORZ SPREAD: 2.269
 VERT SPREAD: 2.123
 GROUP SPREAD: 2.519
 MIN RADIUS: 0.161
 MAX RADIUS: 1.450
 MEAN RADIUS: 0.794
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10



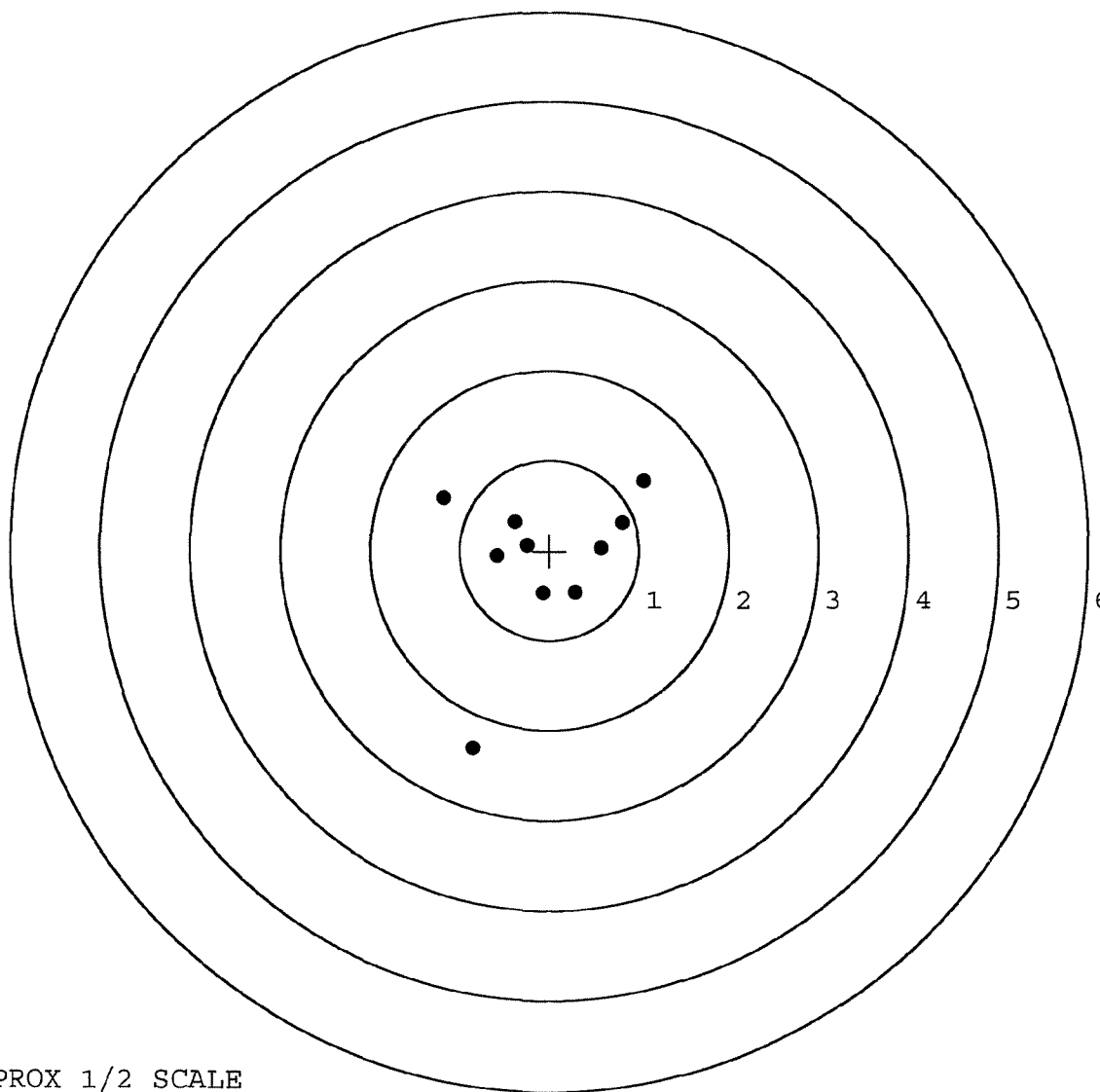
TARGET APPROX 1/2 SCALE

BARBER - M24 0062096

SERIAL NUMBER: C6225499. __0
TARGET NUMBER: 5
FILE DATE: 04/19/2005
FILE TIME: 06:44

POINT#	X	Y
1:	0.290	-0.470
2:	-0.074	-0.478
3:	1.053	0.773
4:	0.811	0.309
5:	0.577	0.028
6:	-0.247	0.063
7:	-0.391	0.316
8:	-0.582	-0.066
9:	-1.181	0.582
10:	-0.852	-2.209

X CENTROID: -0.060
Y CENTROID: -0.115
POA TO CENTROID: 0.130
HORZ SPREAD: 2.234
VERT SPREAD: 2.982
GROUP SPREAD: 3.539
MIN RADIUS: 0.259
MAX RADIUS: 2.239
MEAN RADIUS: 0.879
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

R & E NUMBER	92559		
SERIAL NUMBER	C6225499		
LOG-IN DATE	2-7-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-14-05	RTL
560 A	RE-BARREL	3-18-05	RTL
B	DRILL AND TAP	3-21-05	TRW
575	ASSEMBLE	3-18-05	RTL
600	PROOF	3-21-05	- AE
605	CHECK HEADSPACE	3-21-05	AE
610	DIS-ASSEMBLE GUN	3-21-05	RTL
612	MAGNAFLUX	3-21-05	OPERATOR
615	ROLLMARK CALIBER	3-23-05	CW
618	ROTO-BLAST	3-29	2-2
620	APPLY COATINGS	4-5	THB
625 A	FINAL ASSEMBLY	4-15-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	4-20-05	AE
D	SAFETY "OFF" FORCE	4-20-05	AC
E	FIRING PIN INDENT	4-20-05	AE
640	TARGET	4-19-05	AC
655	FINAL INSPECT	4-20-05	AC
660	PACK	4-21-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington®



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

MODEL 700™ H24

SERIAL NO.
C6225499

ORDER NO.
5716

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

20



5716 C6225499

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225499

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	1 25	89	RW
600	Proof	1 25	89	RW
607	Check Headspace	1 25	89	RW
610	Dis-assemble Gun	1 25	89	RW
612	Magnaflux Barrel Action		1-27-89	AK.
	Magnaflux Bolt		1-27-89	KCR
615	Rollmark Caliber		1/30	GS
617	Drill and Tap Sight Holes	2 1	89	FB
618	Polish Barrel	2 1	89	BT
620	Apply Coatings (Barrel Action)		2-10-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/15/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/15/89	RW
	C) Inspect Ejector Hole for Chamfer		2/15/89	RW
	D) Oil Firing Pin Ass'y		2/15/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		152/1/89	928

BARBER - M24 0062100								
op. #	OP. NAME	READINGS			DATE	INITIAL		
625 cont.	F) Safety On Force	5	4	5	17 Feb 89	JS		
	G) Safety Off Force	3	3	3	17 Feb 89	JS		
	H) Trigger Pull Test & Retainability				15 Feb 89	JS		
	I) Firing Pin Indent	.021	.0205	.021	17 Feb 89	JS		
	J) Assemble Stock				2/20/89	RW		
	K) Assemble Swivel Studs				22 Feb 89	JS		
	L) Attach Front and Rear Sight Assemblies				2/20/89	RW		
	M) Iron Sight Alignment				2/20/89	RW		
	N) Detach Front & Rear Sights & place in numbered container				2/20/89	RW		
	O) Attach Scope to Rifle				2/20/89	WLB		
	P) Detach & Attach Scope 20 Times				2/20/89	WLB		
640	Gallery Target & Test	52 R	100L		2/21/89	AC		
	A) Time				"	AC		
	B) Malfunctions		NONE		"	AC		
	C) Pierced Primers		NONE		"	AC		
	D) Optical Clarity of Scope		OK		2/21/89	AC		
645	Inspect for Live Ammo		NONE		2/21/89	AC		
655	Final Inspection							
	A) Headspace				22 Feb 89	JS		
	B) Trigger Pull	2.32	2.52	2.31	2.43	2.48	22 Feb 89	JS
	C) Function						22 Feb 89	JS
660	Pack						27 Mar 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 5499
C6275001DATE 26 April 89TESTER KJS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.52	2.60	2.73	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.54	2.60	2.75	
PULL #3	2.53	2.55	2.57	2.72	
PULL #4	2.52	2.60	2.51	2.64	
PULL #5	2.50	2.55	2.49	2.69	
TOTAL	12.48	12.76	12.77	13.53	
AVG.	2.496	2.552	2.554	2.706	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.29		
PULL #2	3.30	3.35		
PULL #3	3.32	3.38		
PULL #4	3.32	3.37		
PULL #5	3.34	3.37		
TOTAL	16.56	16.86		
AVG.	3.312	3.372		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.45	4.29		4.24
PULL #2	4.27	4.33		4.32
PULL #3	4.37	4.35		4.27
PULL #4	4.40	4.36		4.21
PULL #5	4.39	4.26		4.25
TOTAL	21.88	21.59		21.29
AVG.	4.376	4.318		4.258

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225499
22 Feb 1989

CENTROIDAL DISTANCES

0 TO	1	.512024
1 TO	2	.313081
1 TO	3	.357405
1 TO	4	.354277
1 TO	5	.513507

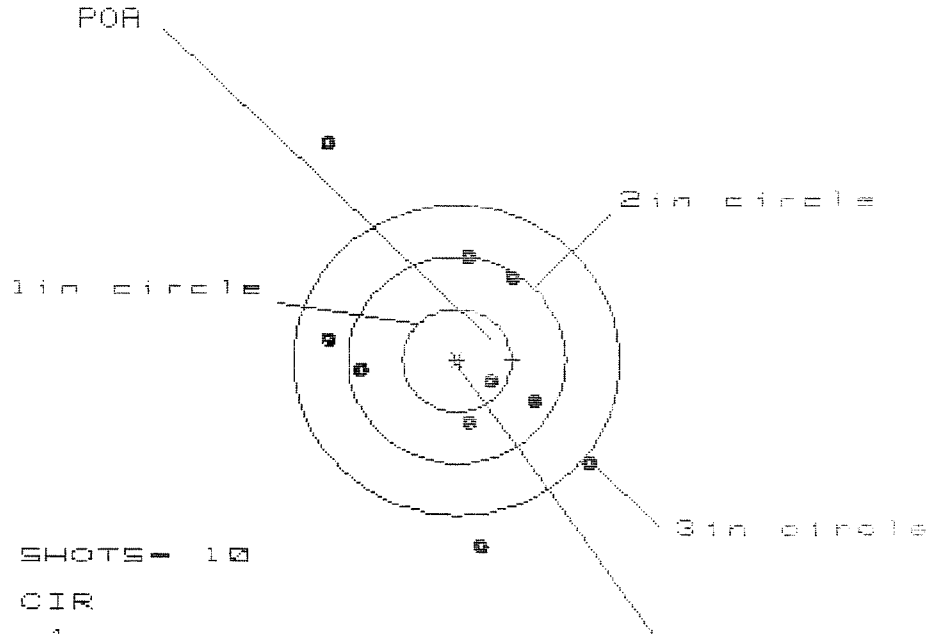
$\begin{matrix} 5 \\ 1 \\ 32 \end{matrix} +$
 $\leftarrow$ ---- POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.4515
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0212
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .452097
 THE AMR FOR THIS RIFLE IS: .9838

22 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225488

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS = 2.396

VS = 3.918

GS = 4.160

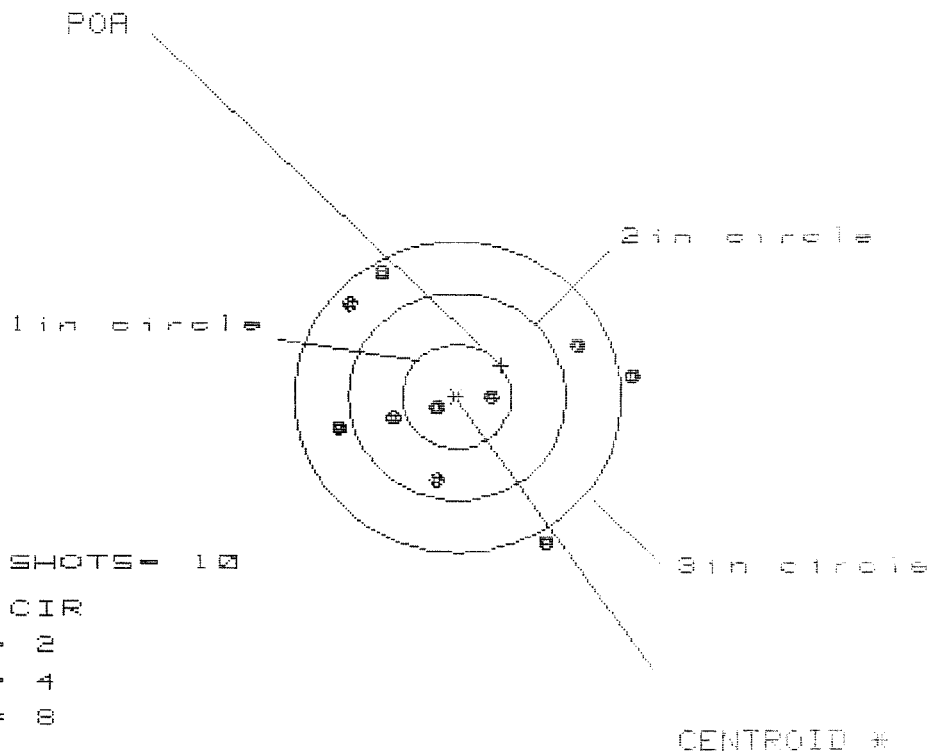
CENTROID #

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.190	1.063	1.079
MINIMUM X	:	-1.206	-1.333	-1.317
MAXIMUM Y	:	2.114	1.236	1.040
MINIMUM Y	:	-1.804	-1.570	-.952
CENTROID X	:	-.512	-.385	-.401
CENTROID Y	:	-.005	-.240	-.044
POA TO CENTROID in.	:	.512	.454	.403
MIN RADIUS	:	.408	.218	.295
MEAN RADIUS	:	1.153	.964	.893
MAX RADIUS	:	2.404	1.575	1.439
HORIZONTAL SPREAD	:	2.396	2.396	2.396
VERTICAL SPREAD	:	3.918	2.806	1.992
EXTREME SPREAD	:	4.160	2.809	2.681
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	7		

22 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225489

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.693

VS= 2.579

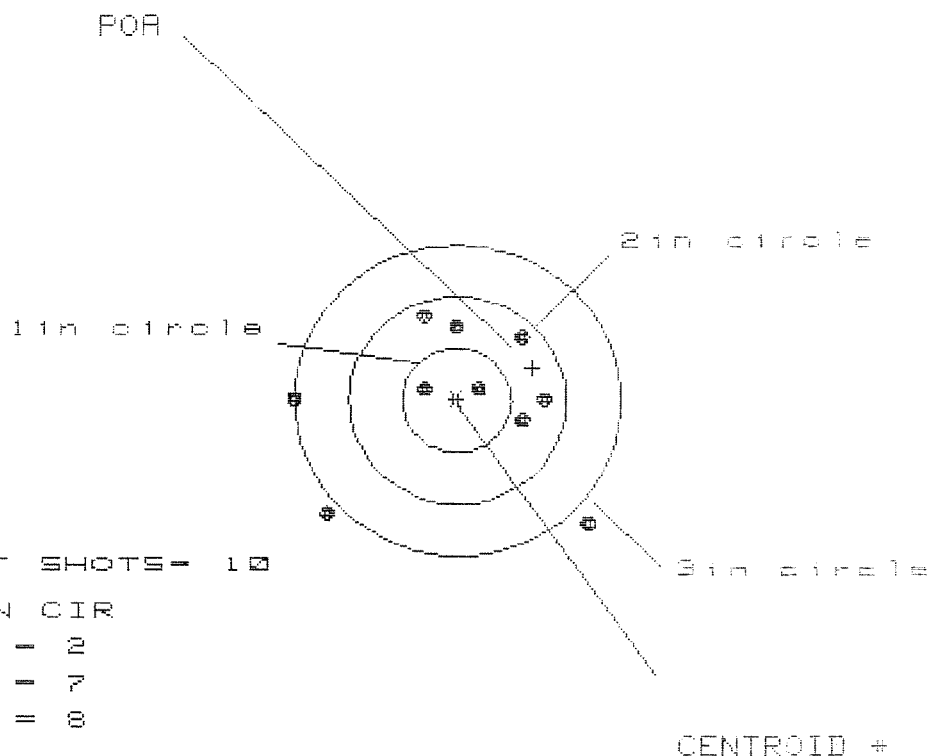
GS= 2.970

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.569	1.658	1.400
MINIMUM X	:	-1.124	-1.035	-.828
MAXIMUM Y	:	1.182	1.026	1.037
MINIMUM Y	:	-1.397	-.997	-.986
CENTROID X	:	-.410	-.499	-.706
CENTROID Y	:	-.301	-.145	-.156
POA TO CENTROID in.	:	.509	.519	.723
MIN RADIUS	:	.226	.311	.312
MEAN RADIUS	:	1.025	.966	.856
MAX RADIUS	:	1.608	1.660	1.441
HORIZONTAL SPREAD	:	2.693	2.693	2.228
VERTICAL SPREAD	:	2.579	2.023	2.023
EXTREME SPREAD	:	2.970	2.749	2.366
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

22 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/05225499

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.663

VS= 2.040

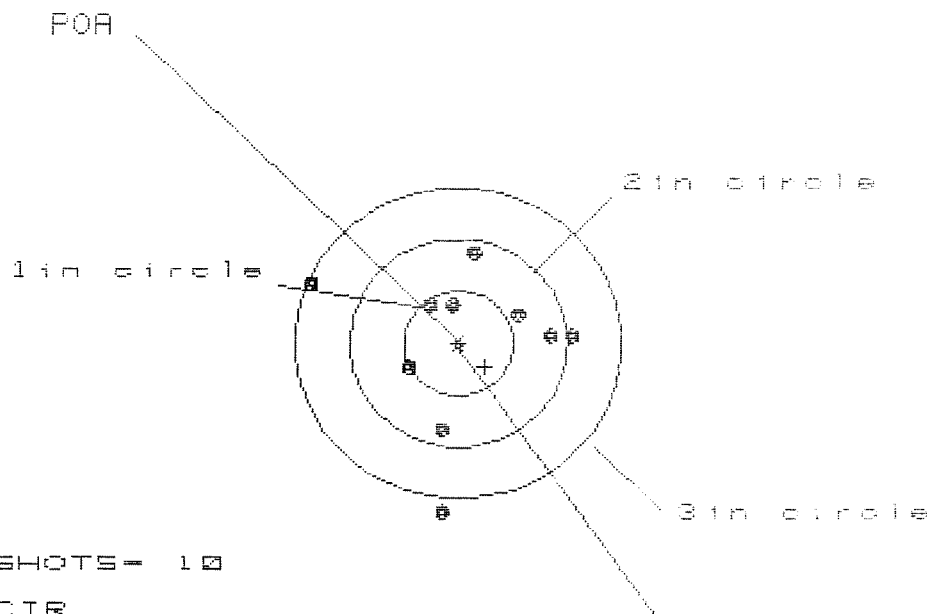
GS= 2.940

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.203	.891	.752
MINIMUM X	:	-1.460	-1.326	-1.465
MAXIMUM Y	:	.817	.681	.534
MINIMUM Y	:	-1.223	-1.180	-.487
CENTROID X	:	-.695	-.829	-.690
CENTROID Y	:	-.312	-.176	-.029
POR TO CENTROID in.	:	.762	.848	.691
MIN RADIUS	:	.237	.198	.297
MEAN RADIUS	:	.925	.822	.691
MAX RADIUS	:	1.716	1.623	1.488
HORIZONTAL SPREAD	:	2.663	2.217	2.217
VERTICAL SPREAD	:	2.040	1.861	1.021
EXTREME SPREAD	:	2.940	2.459	2.217
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

22 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225499

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 7

3 in - 9

HS= 2.388

VS= 2.472

GS= 2.494

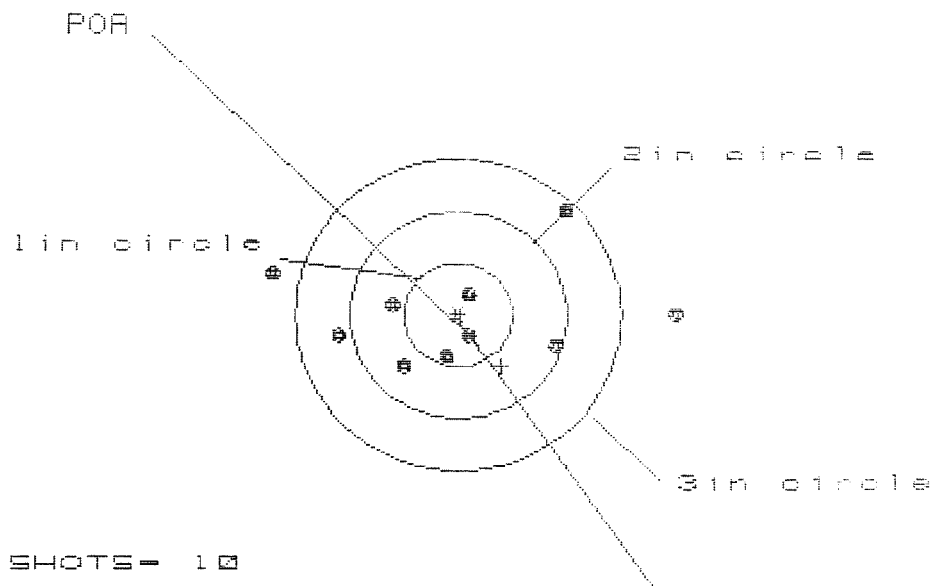
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.004	.983	.867
MINIMUM X	:	-1.384	-1.405	-.652
MAXIMUM Y	:	.847	.667	.713
MINIMUM Y	:	-1.625	-.972	-.926
CENTROID X	:	-.246	-.225	-.849
CENTROID Y	:	.229	.409	.363
POA TO CENTROID in.	:	.336	.467	.366
MIN RADIUS	:	.377	.287	.346
MEAN RADIUS	:	.868	.746	.653
MAX RADIUS	:	1.636	1.453	1.000
HORIZONTAL SPREAD	:	2.388	2.388	1.459
VERTICAL SPREAD	:	2.472	1.639	1.639
EXTREME SPREAD	:	2.494	2.434	1.670
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

22 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225499

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS = 3.738

VS = 1.492

GS = 3.762

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.986	1.214	1.023
MINIMUM X	:	-1.753	-1.532	-1.046
MAXIMUM Y	:	.959	.955	1.003
MINIMUM Y	:	-.533	-.537	-.489
CENTROID X	:	-.395	-.616	-.425
CENTROID Y	:	.495	.499	.451
POA TO CENTROID in.	:	.634	.793	.619
MIN RADIUS	:	.203	.358	.180
MEAN RADIUS	:	.948	.819	.704
MAX RADIUS	:	1.986	1.580	1.432
HORIZONTAL SPREAD	:	3.738	2.746	2.069
VERTICAL SPREAD	:	1.492	1.492	1.492
EXTREME SPREAD	:	3.762	2.805	2.357
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	