

C6498746

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Serial
Number: C6498746

Model: 700



RE00074611

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498746.___0
FILE DATE AND TIME: 01/27/2004 09:27

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

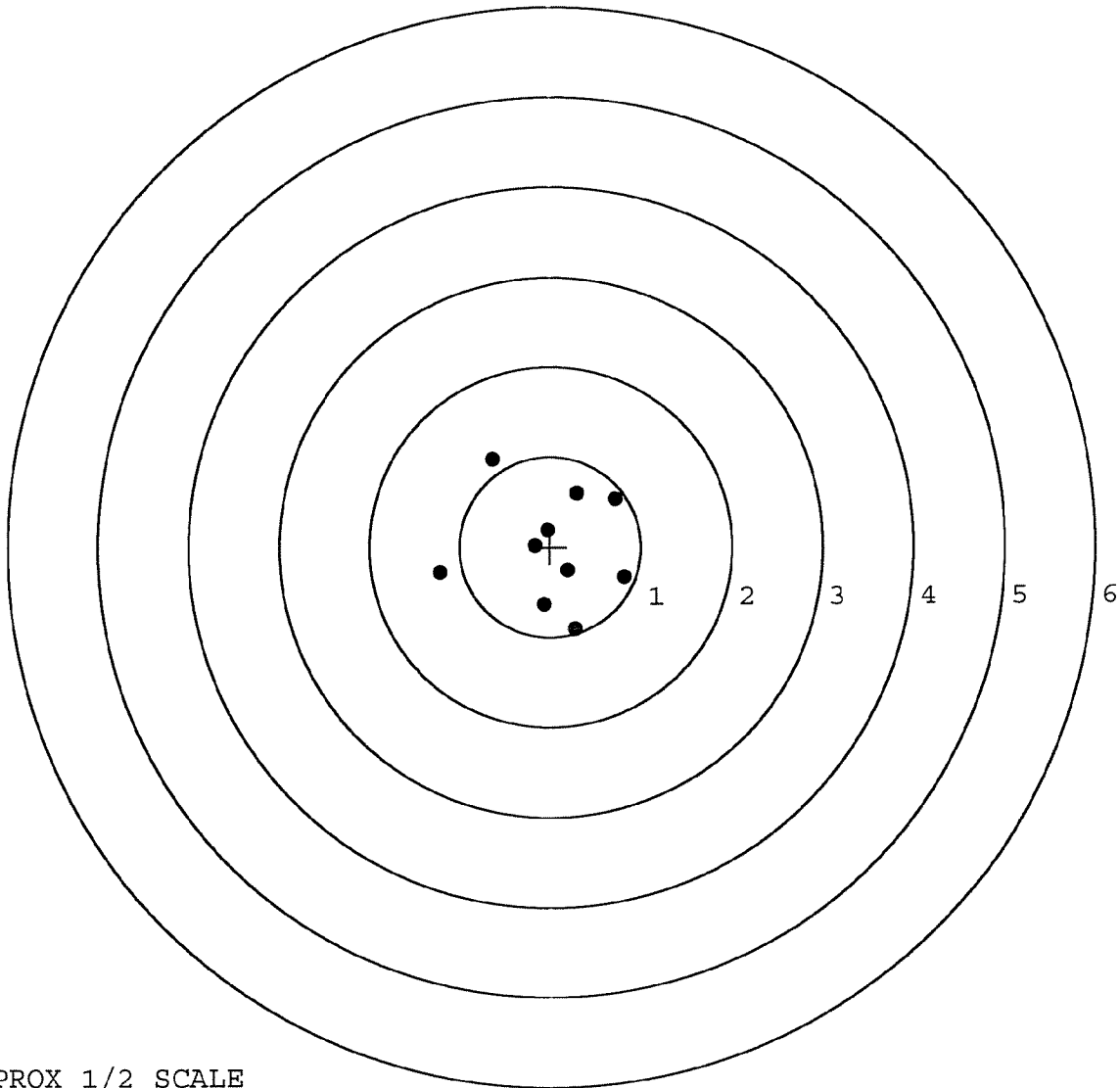
The Average X Centroid of the Five Target Set:	0.041
The Average Y Centroid of the Five Target Set:	0.004
The Average Point of Impact of the Five Target Set:	0.041
The Average Mean Radius of the Five Target Set:	0.615
The Distance from POA to Centroid Target #1:	0.023
The Distance from Centroid Target #2 to Centroid Target #1:	0.150
The Distance from Centroid Target #3 to Centroid Target #1:	0.034
The Distance from Centroid Target #4 to Centroid Target #1:	0.153
The Distance from Centroid Target #5 to Centroid Target #1:	0.121

BARBER - M24 0006920

SERIAL NUMBER: C6498746. __0
TARGET NUMBER: 1
FILE DATE: 01/27/2004
FILE TIME: 09:27

POINT#	X	Y
1:	0.715	0.529
2:	0.298	0.595
3:	-0.637	0.968
4:	-1.215	-0.283
5:	0.279	-0.914
6:	-0.070	-0.641
7:	0.197	-0.264
8:	0.818	-0.338
9:	-0.170	0.014
10:	-0.031	0.190

X CENTROID: 0.018
Y CENTROID: -0.014
POA TO CENTROID: 0.023
HORZ SPREAD: 2.033
VERT SPREAD: 1.882
GROUP SPREAD: 2.094
MIN RADIUS: 0.191
MAX RADIUS: 1.262
MEAN RADIUS: 0.714
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

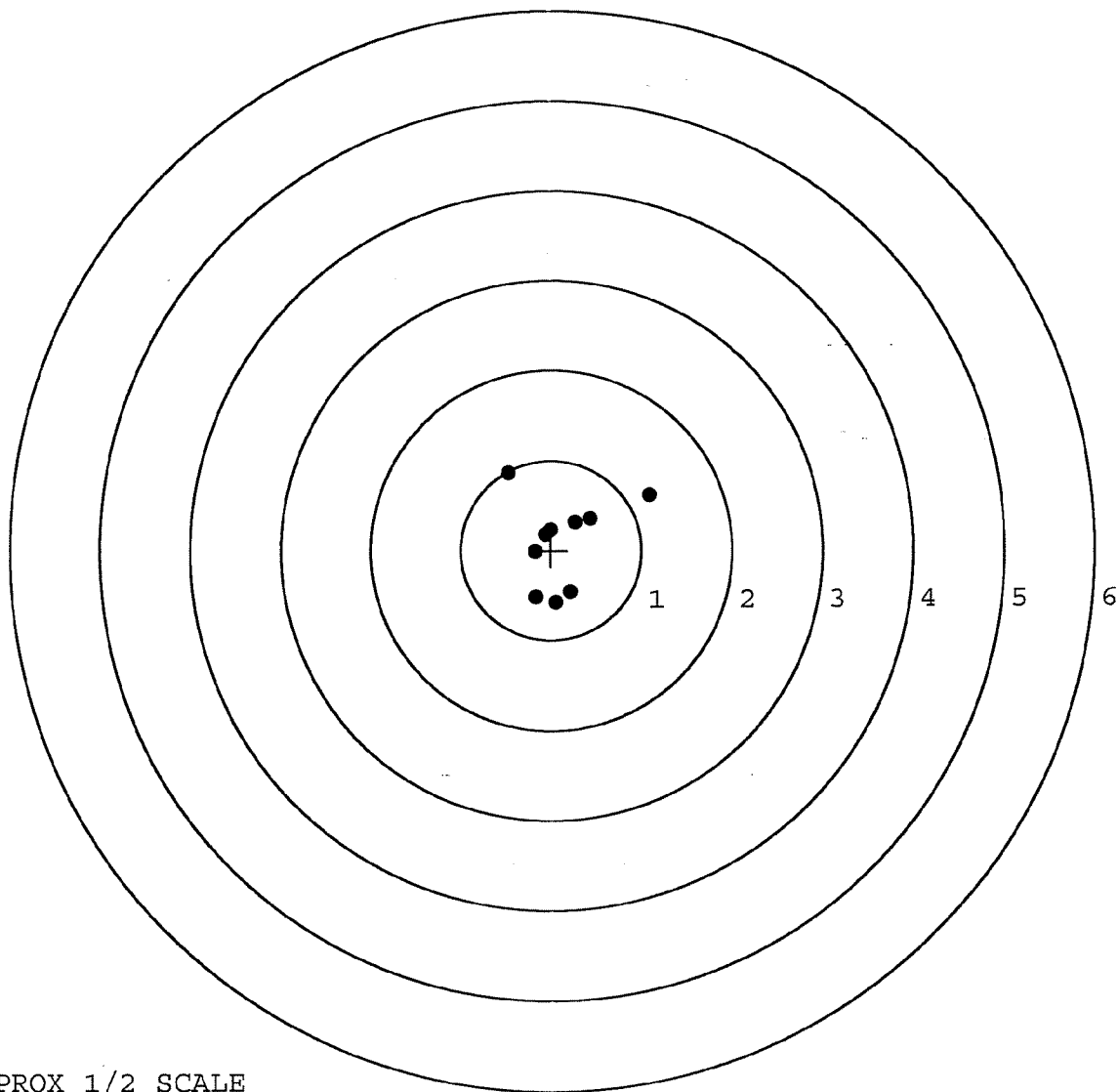


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498746. __0
 TARGET NUMBER: 2
 FILE DATE: 01/27/2004
 FILE TIME: 09:27

POINT#	X	Y
1:	1.092	0.619
2:	-0.469	0.864
3:	0.217	-0.467
4:	0.058	-0.588
5:	-0.167	-0.533
6:	-0.175	-0.017
7:	-0.061	0.174
8:	0.439	0.354
9:	0.271	0.317
10:	-0.004	0.232

X CENTROID: 0.120
 Y CENTROID: 0.095
 POA TO CENTROID: 0.153
 HORZ SPREAD: 1.561
 VERT SPREAD: 1.452
 GROUP SPREAD: 1.707
 MIN RADIUS: 0.184
 MAX RADIUS: 1.104
 MEAN RADIUS: 0.540
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

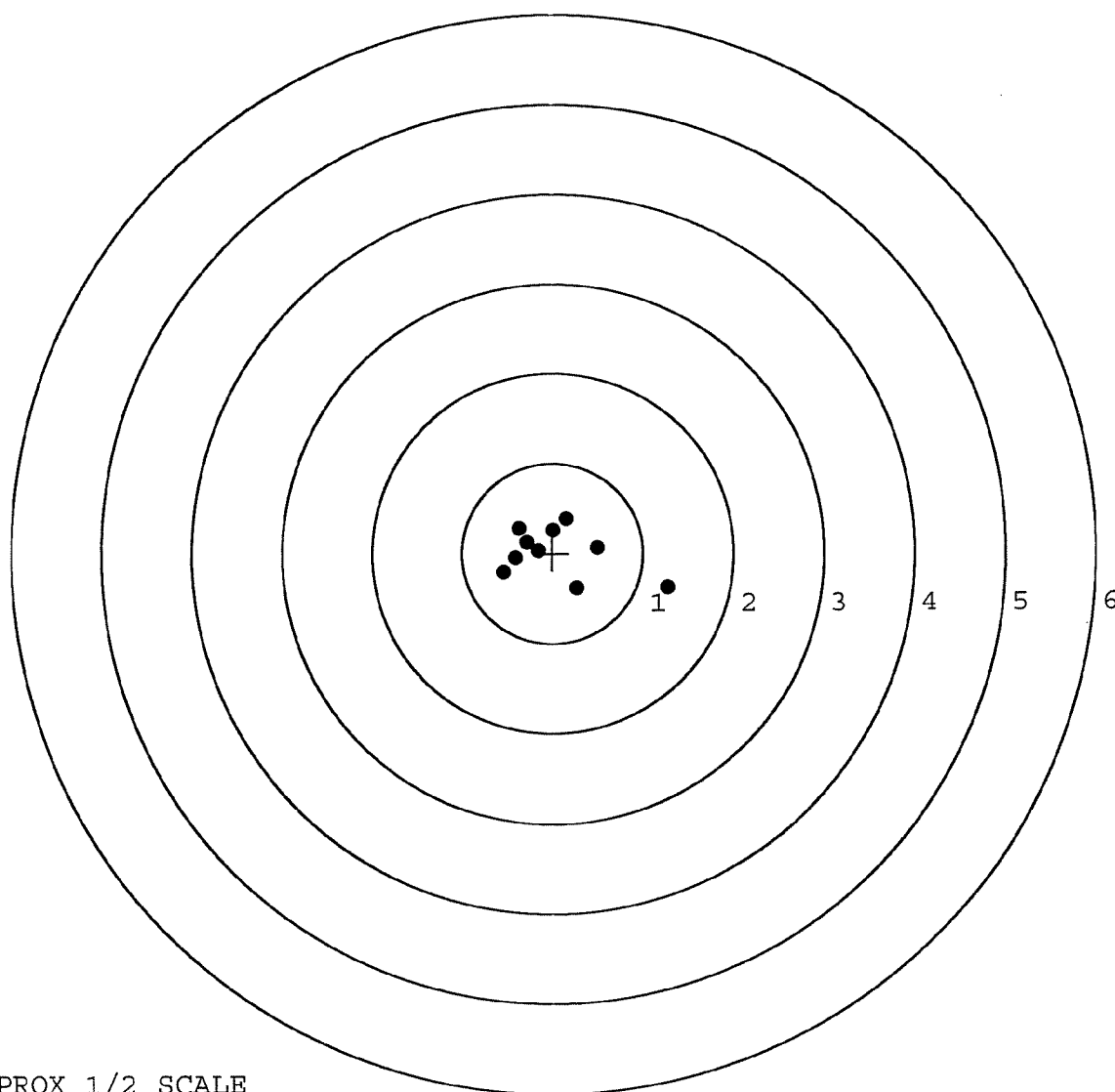


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498746. __0
 TARGET NUMBER: 3
 FILE DATE: 01/27/2004
 FILE TIME: 09:27

POINT#	X	Y
1:	1.268	-0.384
2:	0.496	0.062
3:	0.272	-0.391
4:	-0.542	-0.217
5:	-0.367	0.278
6:	0.154	0.382
7:	0.011	0.259
8:	-0.156	0.032
9:	-0.413	-0.058
10:	-0.286	0.120

X CENTROID: 0.044
 Y CENTROID: 0.008
 POA TO CENTROID: 0.044
 HORZ SPREAD: 1.810
 VERT SPREAD: 0.773
 GROUP SPREAD: 1.818
 MIN RADIUS: 0.201
 MAX RADIUS: 1.286
 MEAN RADIUS: 0.497
 # IN 1 IN DIAMETER: 8
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



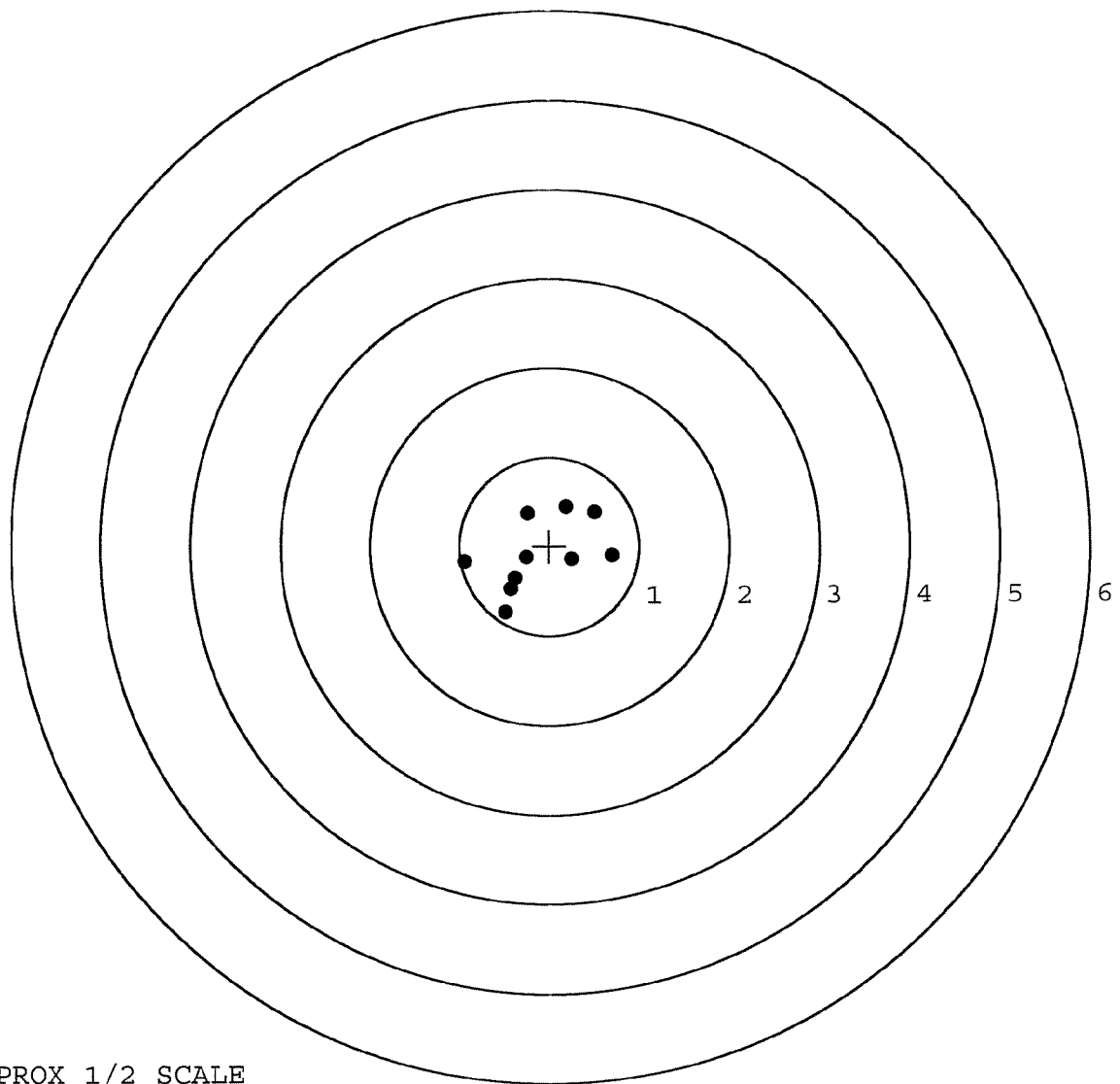
TARGET APPROX 1/2 SCALE

BARBER - M24 0006923

SERIAL NUMBER: C6498746. __0
 TARGET NUMBER: 4
 FILE DATE: 01/27/2004
 FILE TIME: 09:27

POINT#	X	Y
1:	0.502	0.381
2:	0.189	0.440
3:	0.699	-0.109
4:	0.247	-0.147
5:	-0.245	0.372
6:	-0.946	-0.176
7:	-0.488	-0.746
8:	-0.427	-0.485
9:	-0.260	-0.127
10:	-0.381	-0.366

X CENTROID: -0.111
 Y CENTROID: -0.096
 POA TO CENTROID: 0.147
 HORZ SPREAD: 1.645
 VERT SPREAD: 1.186
 GROUP SPREAD: 1.646
 MIN RADIUS: 0.152
 MAX RADIUS: 0.839
 MEAN RADIUS: 0.567
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

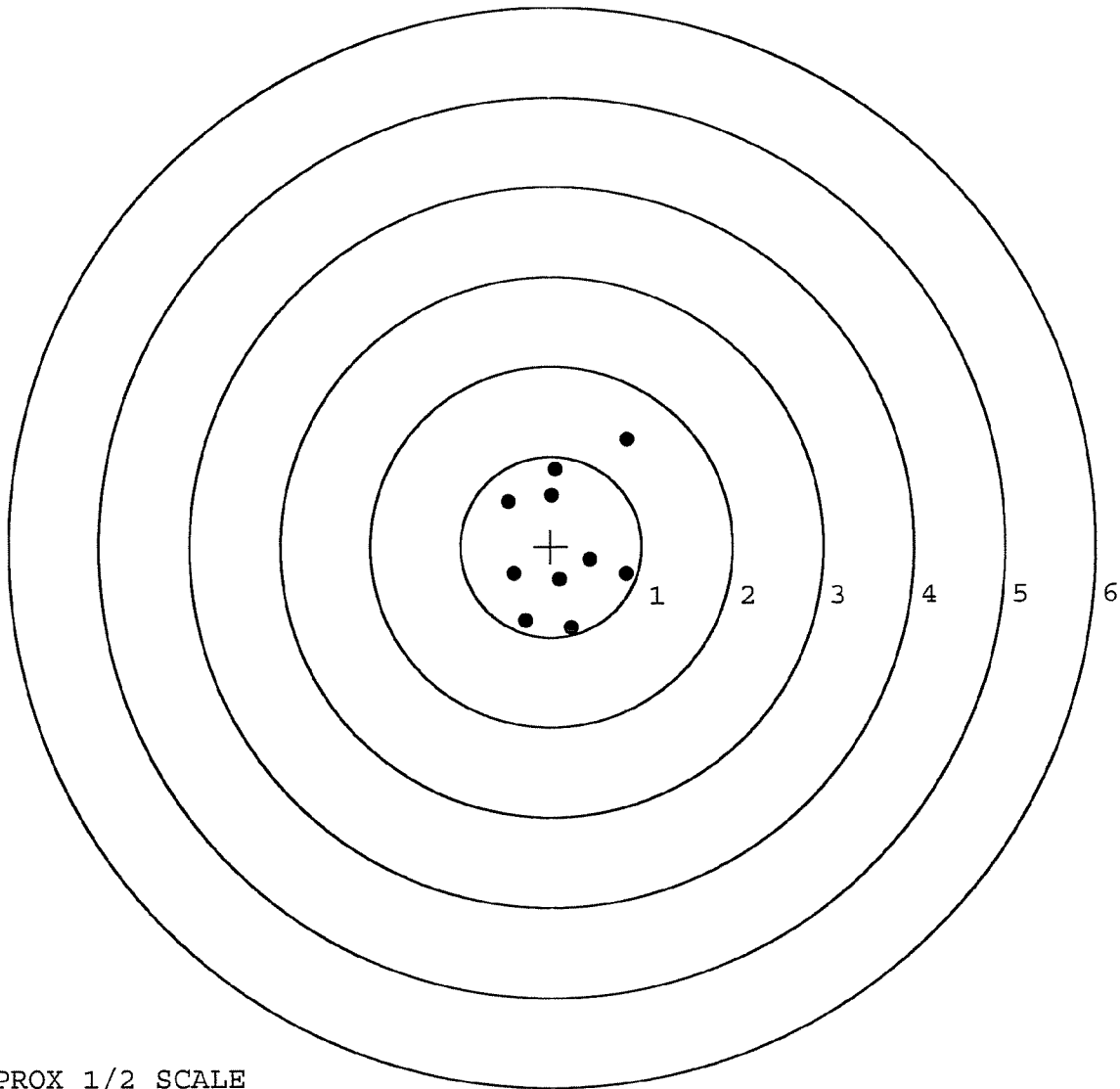


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498746. __0
 TARGET NUMBER: 5
 FILE DATE: 01/27/2004
 FILE TIME: 09:27

POINT#	X	Y
1:	0.842	1.188
2:	0.057	0.859
3:	0.015	0.568
4:	-0.468	0.497
5:	0.828	-0.312
6:	0.432	-0.147
7:	0.096	-0.373
8:	0.224	-0.902
9:	-0.286	-0.826
10:	-0.407	-0.306

X CENTROID: 0.133
 Y CENTROID: 0.025
 POA TO CENTROID: 0.136
 HORZ SPREAD: 1.310
 VERT SPREAD: 2.090
 GROUP SPREAD: 2.308
 MIN RADIUS: 0.344
 MAX RADIUS: 1.362
 MEAN RADIUS: 0.755
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SHIP DATE

BARBER - M24 ~~0086925~~ M24000006964

BARBER - M24 0066925 06964

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

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

MODEL 700™ M24

SERIAL NO.
 C6498746

ORDER NO.
 5716

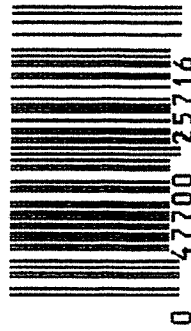
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Ø 1



5716 C6498746

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498746

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 17	90	RW
600	Proof	5 17	90	RW
607	Check Headspace	5 17	90	RW
610	Dis-assemble Gun	5 17	90	RW
612	Magnaflux Barrel Action		5/22/90	KCR
	Magnaflux Bolt		6/22/90	KCR
615	Rollmark Caliber		5/22/90	Z.S.
617	Drill and Tap Sight Holes		5/23/90	FB
618	Polish Barrel RB		5/24/90	WB
620	Apply Coatings (Barrel Action)		5/29/90	15A
	Apply Coating (Bolt)		5/29/90	15A
625	Final Assembly A) Clean inside of Bolt Assembly		6/4/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		6/4/90	RW
	C) Inspect Ejector Hole for Chamfer		6/4/90	RW
	D) Oil Firing Pin Ass'y		6/4/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/6/90	94

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4			6/7/90	WB
	G) Safety Off Force	2 1/2	2 1/4	2 1/4			6/7/90	WB
	H) Trigger Pull Test & Retainability						6/6/90	JL
	I) Firing Pin Indent	.0225	.023	.023			6/7/90	WB
	J) Assemble Stock						6/11/90	RW
	K) Assemble Swivel Studs						6/14/90	JL
	L) Attach Front and Rear Sight Assemblies						6/11/90	RW
	M) Iron Sight Alignment						6/11/90	RW
	N) Detach Front & Rear Sights & place in numbered container						6/11/90	RW
	O) Attach Scope to Rifle						6/11/90	JL
	P) Detach & Attach Scope 20 Times						6/11/90	JL
640	Gallery Target & Test						6-12-90	A
	A) Time						"	A
	B) Malfunctions						"	A
	C) Pierced Primers						"	A
	D) Optical Clarity of Scope						"	A
645	Inspect for Live Ammo						6-12-90	A
655	Final Inspection							
	A) Headspace						6/14/90	JL
	B) Trigger Pull	2.80	2.80	2.81	2.76	2.79	6/14/90	JL
	C) Function						6/14/90	JL
660	Pack						6-20-90	DH

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

SERIAL NO. C6498746DATE 6/6/90TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.35	2.25	2.80	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.48	2.20	2.80	
PULL #3	2.30	2.23	2.24	2.81	
PULL #4	2.14	2.26	2.30	2.76	
PULL #5	2.16	2.20	2.25		
TOTAL	11.48	11.52	11.26	2.79	
AVG.	2.296	2.304	2.252		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.24		
PULL #2	3.20	3.19		
PULL #3	3.25	3.30		
PULL #4	3.22	3.24		
PULL #5	3.29	3.33		
TOTAL	16.17	16.30		
AVG.	3.234	3.26		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.37		4.43
PULL #2	4.50	4.34		4.33
PULL #3	4.36	4.46		4.48
PULL #4	4.40	4.27		4.45
PULL #5	4.47	4.48		4.46
TOTAL	21.87	21.92		22.15
AVG.	4.374	4.384		4.43

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498746
13 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.509771
1 TO	2	.586924
1 TO	3	1.32279
1 TO	4	.711258
1 TO	5	.842217

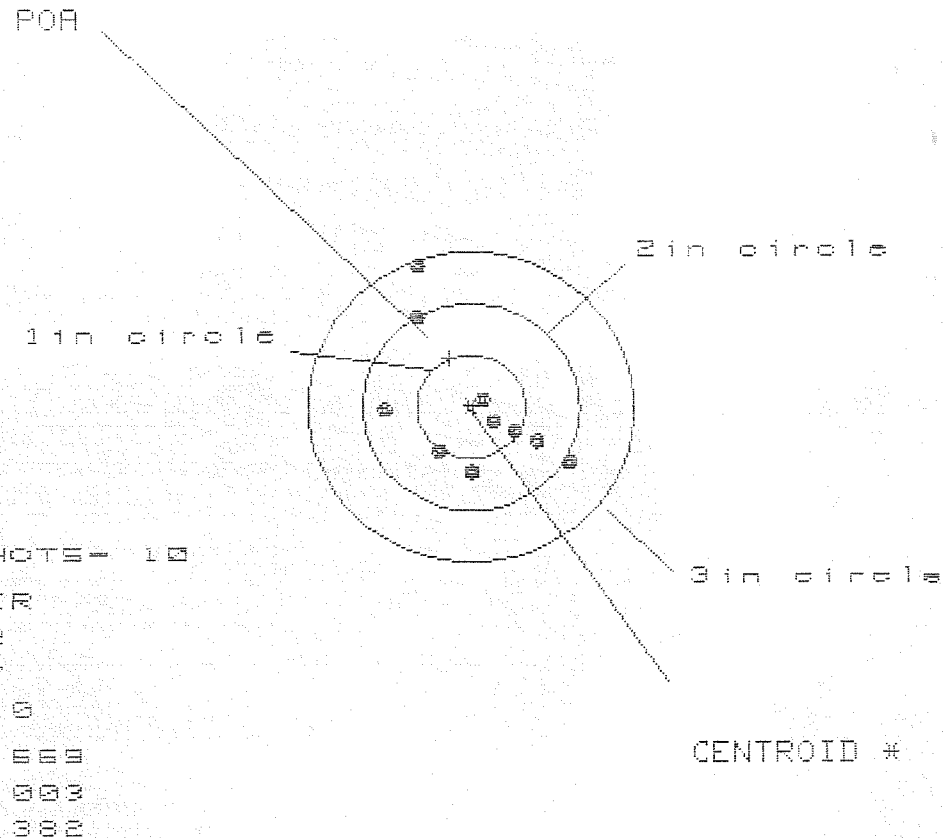
3 5# <----POA
4 1

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.3996
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2046
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .448934
THE AMR FOR THIS RIFLE IS: .8118

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498746

CENTERFIRE PATTERNS # 1

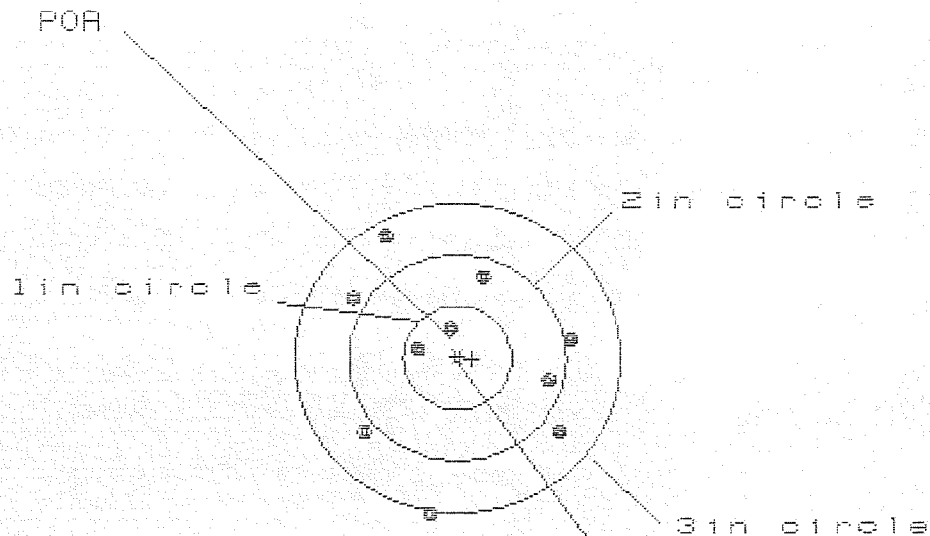


PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.868	.813	.624
MINIMUM X	-.801	-.856	-.755
MAXIMUM Y	1.374	1.035	.982
MINIMUM Y	-.629	-.477	-.530
CENTROID X	.195	.250	.149
CENTROID Y	-.471	-.623	-.570
POR TO CENTROID in.	.509	.672	.589
MIN RADIUS	.119	.141	.229
MEAN RADIUS	.702	.585	.558
MAX RADIUS	1.461	1.185	1.091
HORIZONTAL SPREAD	1.669	1.669	1.379
VERTICAL SPREAD	2.003	1.512	1.512
EXTREME SPREAD	2.382	2.016	1.640
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08438746

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 2.007

VS= 2.636

GS= 2.667

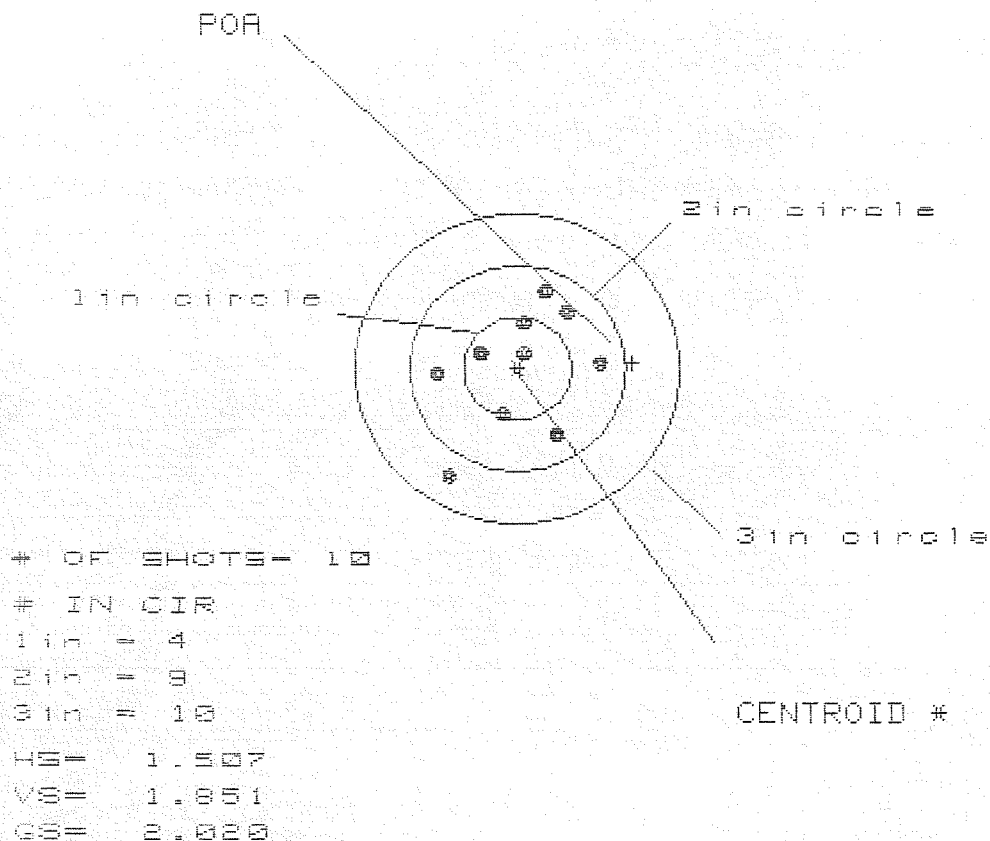
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.081	1.052	.965
MINIMUM X	:	-.926	-.955	-1.042
MAXIMUM Y	:	1.159	.995	.790
MINIMUM Y	:	-1.477	-.890	-.766
CENTROID X	:	-.137	-.108	-.021
CENTROID Y	:	.013	.177	.053
POA TO CENTROID in.	:	.138	.207	.057
MIN RADIUS	:	.301	.155	.307
MEAN RADIUS	:	.966	.879	.847
MAX RADIUS	:	1.500	1.274	1.186
HORIZONTAL SPREAD	:	2.007	2.007	2.007
VERTICAL SPREAD	:	2.636	1.885	1.556
EXTREME SPREAD	:	2.667	2.480	2.272
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CG498746

CENTERFIRE PATTERNS # 3

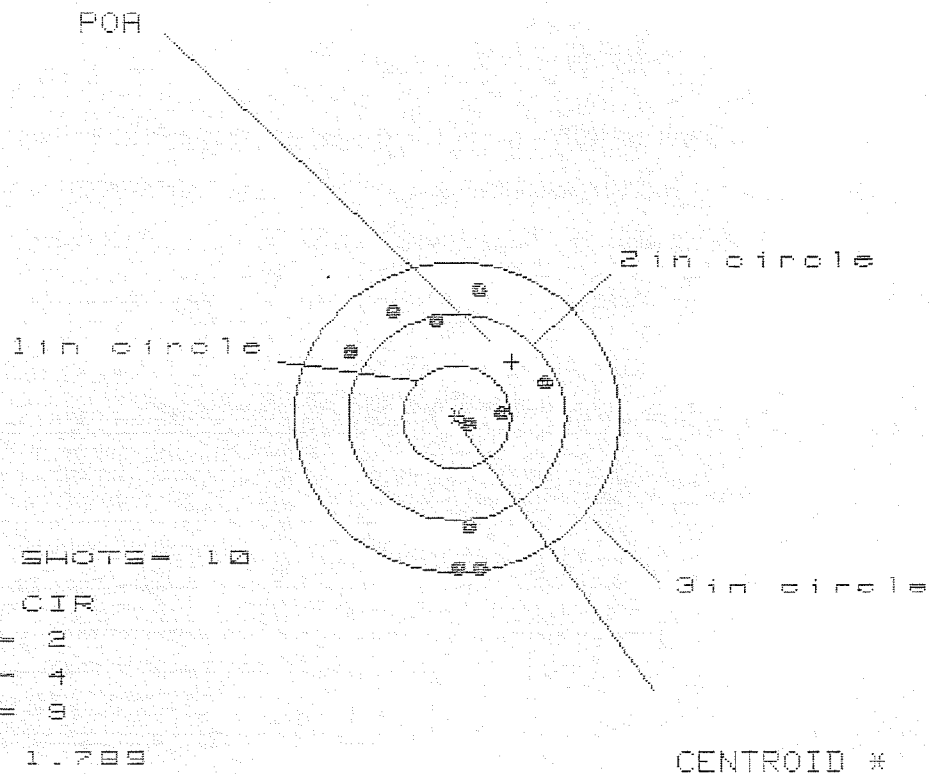


PATTERN #	1	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.756	.690	.709
MINIMUM X	-.751	-.817	-.798
MAXIMUM Y	.793	.676	.521
MINIMUM Y	-1.057	-.733	-.649
CENTROID X	-1.061	-.995	-1.014
CENTROID Y	-.056	.062	-.023
POA TO CENTROID in.	1.062	.997	1.014
MIN RADIUS	.198	.063	.149
MEAN RADIUS	.648	.560	.551
MAX RADIUS	1.211	.843	.807
HORIZONTAL SPREAD	1.507	1.507	1.507
VERTICAL SPREAD	1.851	1.409	1.170
EXTREME SPREAD	2.020	1.512	1.512
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	

13 Jun 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06498746

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 1.789

VS= 2.687

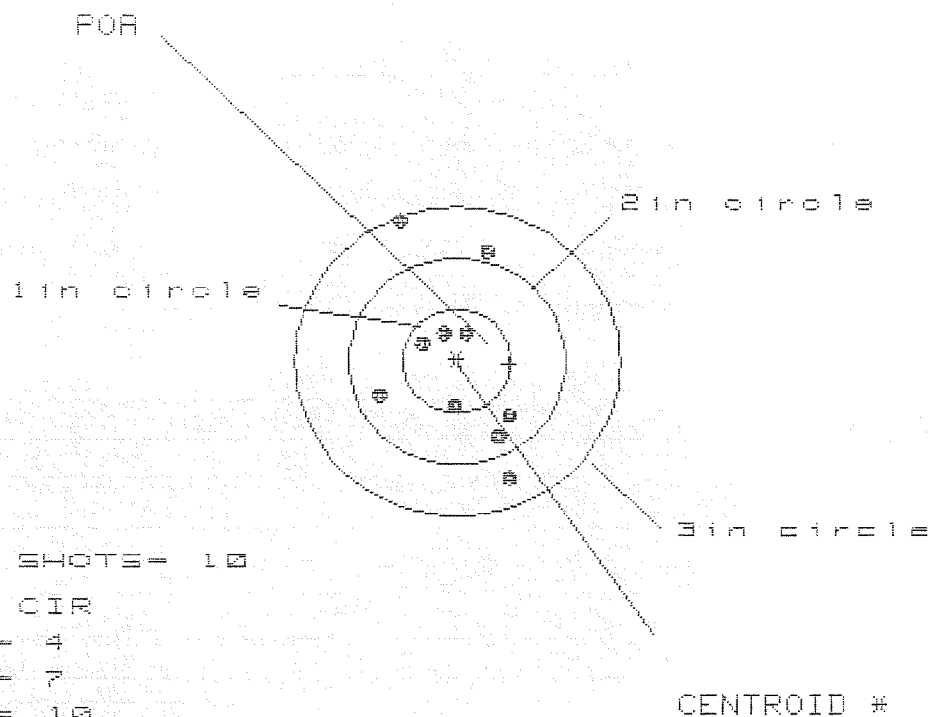
GS= 2.687

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.813	.837	.837
MINIMUM X	-.976	-.952	-.952
MAXIMUM Y	1.199	1.033	.828
MINIMUM Y	-1.488	-1.643	-1.467
CENTROID X	-.513	-.537	-.537
CENTROID Y	-.539	-.373	-.168
POA TO CENTROID in.	.744	.654	.563
MIN RADIUS	.109	.263	.459
MEAN RADIUS	1.001	.938	.832
MAX RADIUS	1.504	1.643	1.472
HORIZONTAL SPREAD	1.789	1.789	1.789
VERTICAL SPREAD	2.687	2.676	2.295
EXTREME SPREAD	2.687	2.685	2.297
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CS498746

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS= 1.203

VS= 2.425

GS= 2.604

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.454	.397	.445
MINIMUM X	-.749	-.806	-.758
MAXIMUM Y	1.322	1.207	1.088
MINIMUM Y	-1.103	-.956	-.729
CENTROID X	-.482	-.425	-.473
CENTROID Y	.030	-.117	.002
POA TO CENTROID IN.	.483	.441	.473
MIN RADIUS	.271	.265	.300
MEAN RADIUS	.742	.664	.604
MAX RADIUS	1.417	1.224	1.116
HORIZONTAL SPREAD	1.203	1.203	1.203
VERTICAL SPREAD	2.425	2.163	1.817
EXTREME SPREAD	2.604	2.171	1.824
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		