

C6498738

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington.

```
ated:
err : 1
```

Customer

Received From

Return To:

Received From

Name: HHC 3/327

HHC 3/327

Address 1

Address 2

City: FORT CAMPBELL

PO Box

FORT CAMPBELL

PO Box

Signa K

Zip Code: 42223

Country US

State: KY

7 In Code: 42223

Country: US

Repair Search

Refresh

Close

Serial Number: C6498738

Model: 700



RE00074621

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498738.___0
FILE DATE AND TIME: 01/20/2004 09:00

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

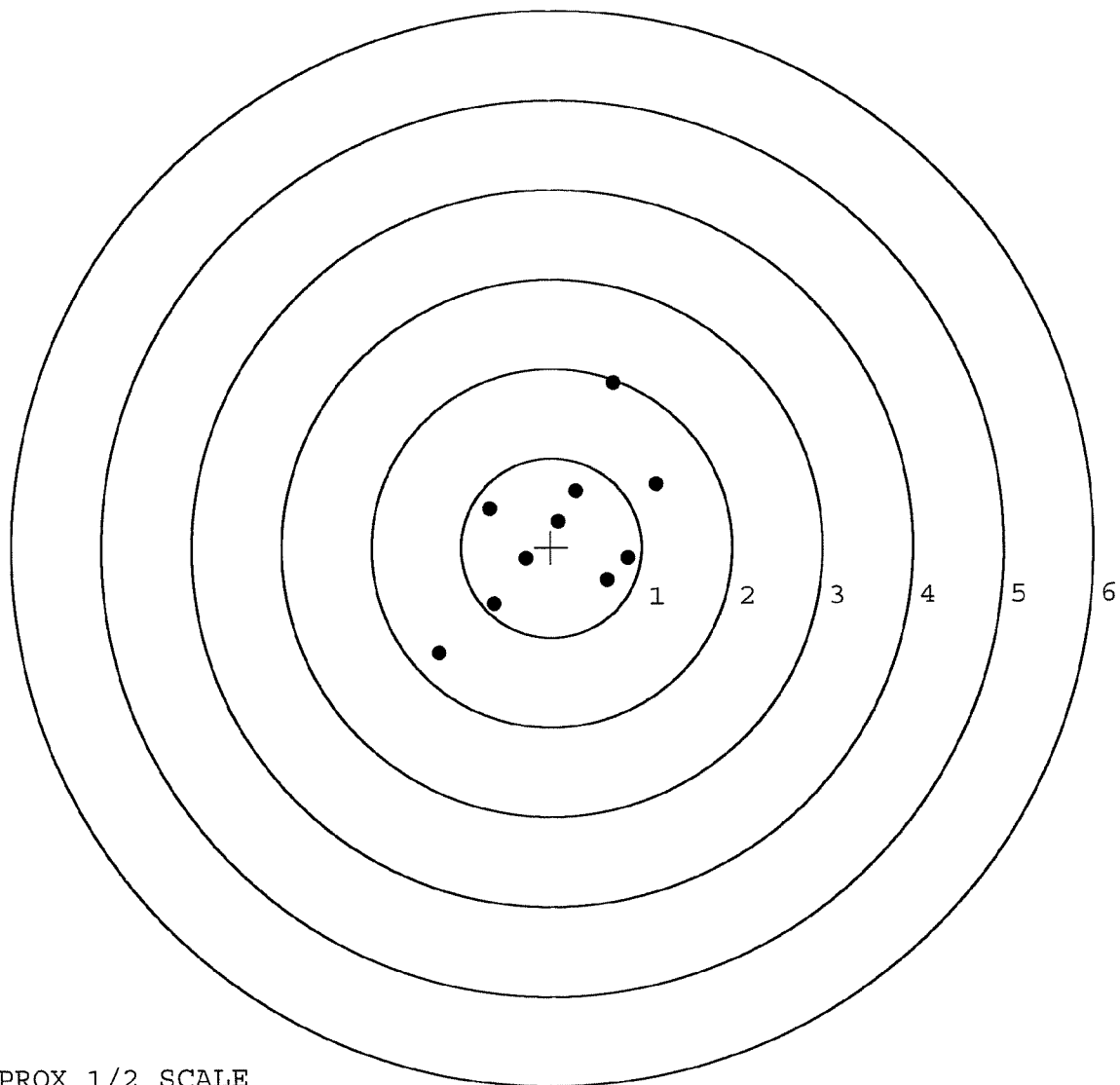
The Average X Centroid of the Five Target Set:	0.048
The Average Y Centroid of the Five Target Set:	0.193
The Average Point of Impact of the Five Target Set:	0.198
The Average Mean Radius of the Five Target Set:	0.802
The Distance from POA to Centroid Target #1:	0.168
The Distance from Centroid Target #2 to Centroid Target #1:	0.204
The Distance from Centroid Target #3 to Centroid Target #1:	0.338
The Distance from Centroid Target #4 to Centroid Target #1:	0.147
The Distance from Centroid Target #5 to Centroid Target #1:	0.212

BARBER - M24 0006763

SERIAL NUMBER: C6498738. __0
 TARGET NUMBER: 1
 FILE DATE: 01/20/2004
 FILE TIME: 09:00

POINT#	X	Y
1:	0.700	1.837
2:	1.163	0.703
3:	0.848	-0.129
4:	0.614	-0.371
5:	-1.248	-1.171
6:	-0.636	-0.631
7:	-0.283	-0.133
8:	-0.680	0.435
9:	0.086	0.288
10:	0.280	0.630

X CENTROID: 0.084
 Y CENTROID: 0.146
 POA TO CENTROID: 0.168
 HORZ SPREAD: 2.411
 VERT SPREAD: 3.008
 GROUP SPREAD: 3.584
 MIN RADIUS: 0.142
 MAX RADIUS: 1.873
 MEAN RADIUS: 0.944
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8

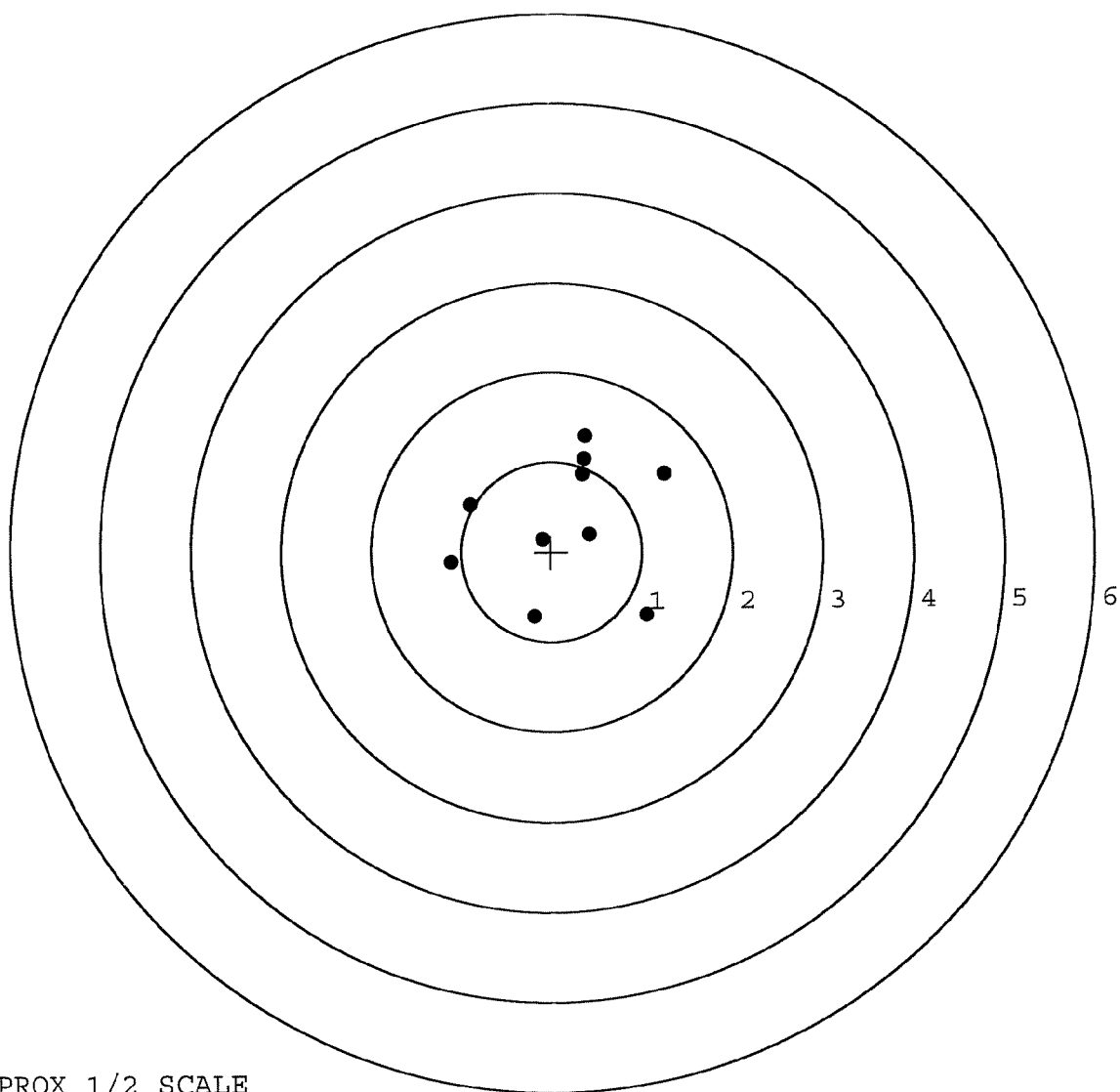


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498738. 0
 TARGET NUMBER: 2
 FILE DATE: 01/20/2004
 FILE TIME: 09:00

POINT#	X	Y
1:	0.386	1.286
2:	0.351	0.864
3:	1.253	0.864
4:	1.047	-0.711
5:	0.426	0.197
6:	-0.095	0.146
7:	-0.896	0.533
8:	-1.109	-0.113
9:	-0.188	-0.721
10:	0.367	1.032

X CENTROID: 0.154
 Y CENTROID: 0.338
 POA TO CENTROID: 0.371
 HORZ SPREAD: 2.362
 VERT SPREAD: 2.007
 GROUP SPREAD: 2.307
 MIN RADIUS: 0.306
 MAX RADIUS: 1.377
 MEAN RADIUS: 0.900
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 10



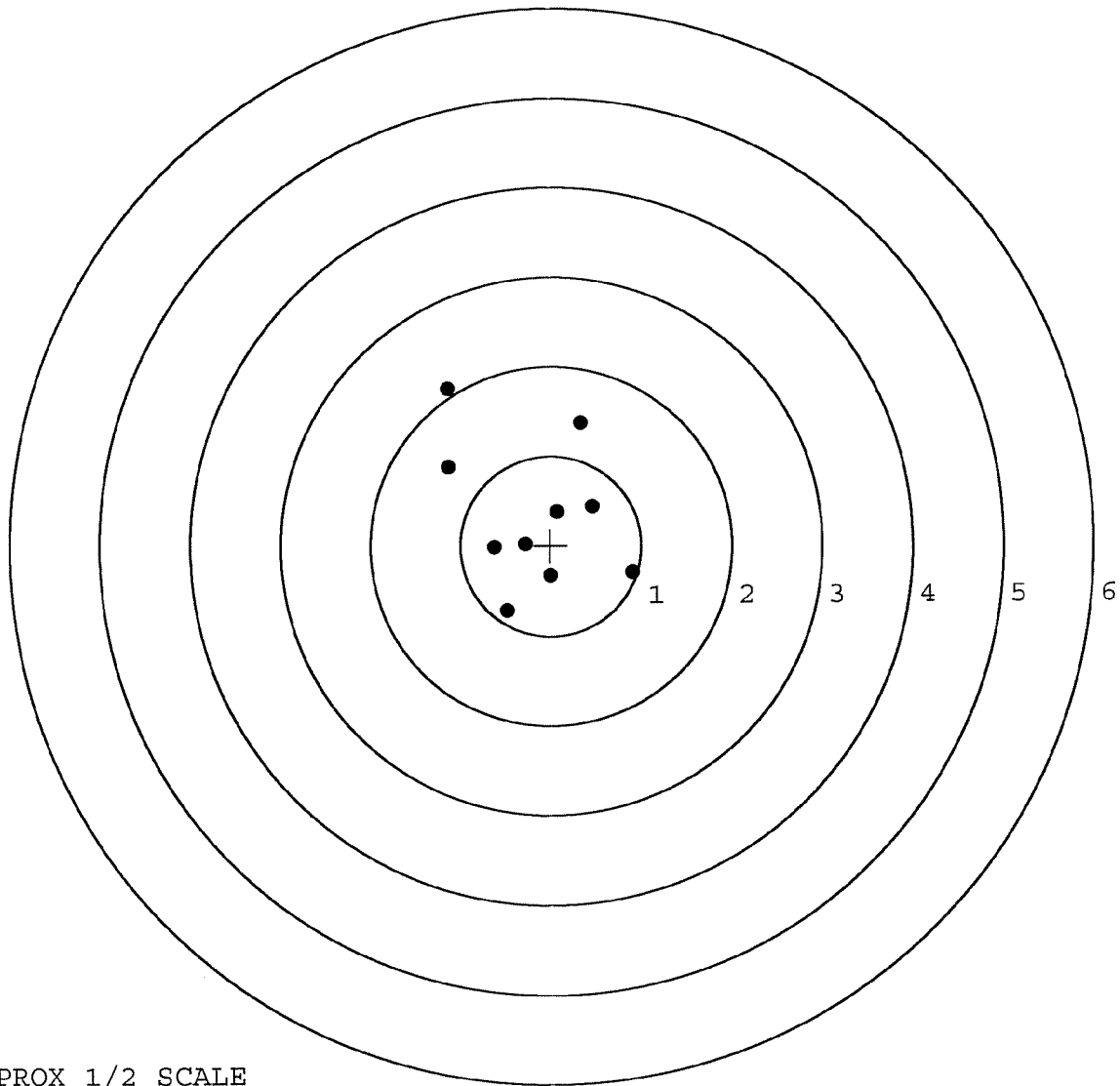
TARGET APPROX 1/2 SCALE

BARBER - M24 0006765

SERIAL NUMBER: C6498738. __0
 TARGET NUMBER: 3
 FILE DATE: 01/20/2004
 FILE TIME: 09:00

POINT#	X	Y
1:	0.337	1.371
2:	-1.136	1.754
3:	-1.129	0.882
4:	0.463	0.439
5:	0.080	0.379
6:	-0.286	0.019
7:	-0.623	-0.021
8:	-0.486	-0.723
9:	0.002	-0.339
10:	0.903	-0.301

X CENTROID: -0.188
 Y CENTROID: 0.346
 POA TO CENTROID: 0.394
 HORZ SPREAD: 2.039
 VERT SPREAD: 2.477
 GROUP SPREAD: 2.895
 MIN RADIUS: 0.270
 MAX RADIUS: 1.698
 MEAN RADIUS: 0.886
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 9

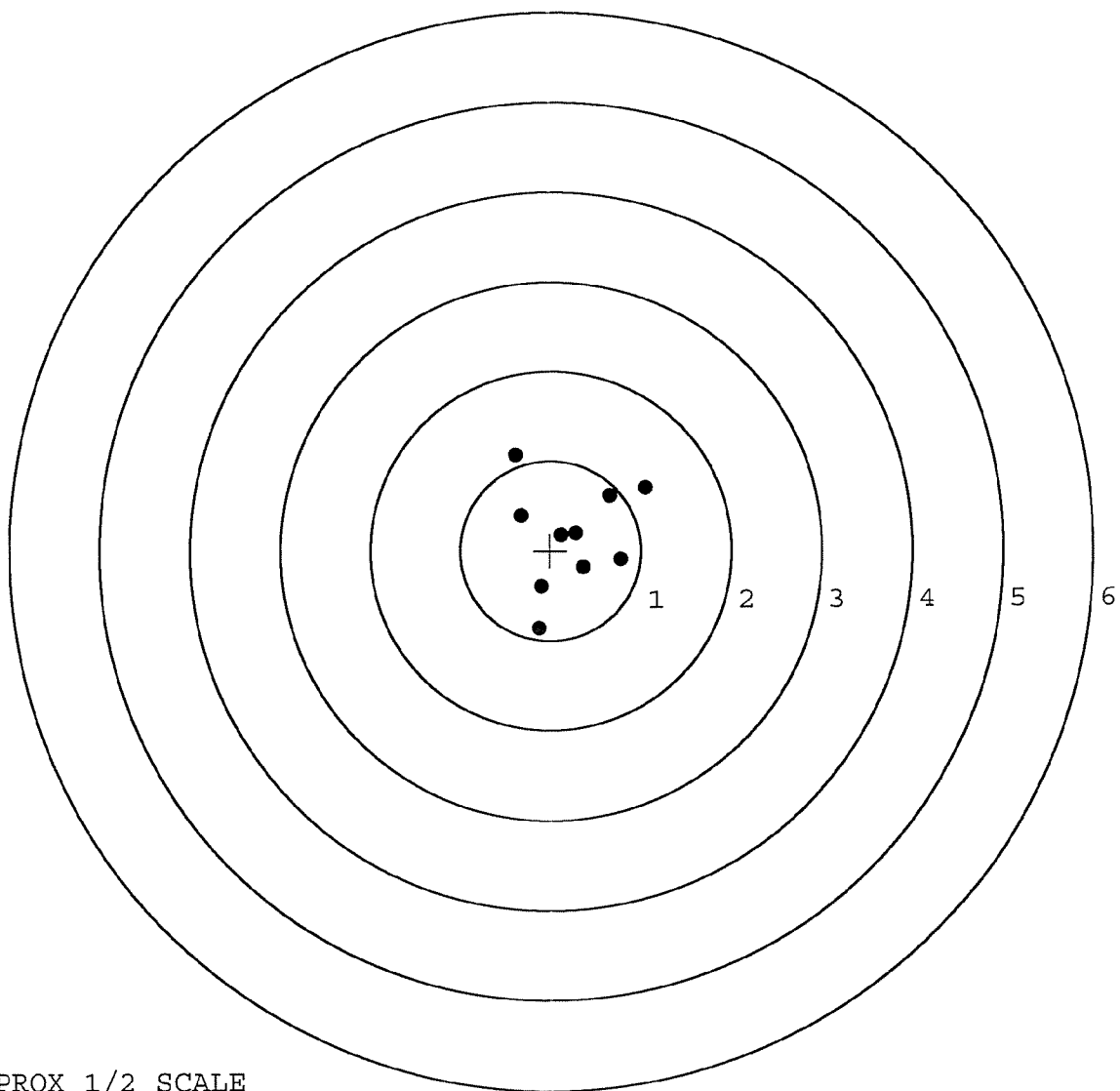


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498738. __0
 TARGET NUMBER: 4
 FILE DATE: 01/20/2004
 FILE TIME: 09:00

POINT#	X	Y
1:	1.051	0.698
2:	0.655	0.608
3:	0.126	0.176
4:	0.363	-0.192
5:	0.776	-0.103
6:	-0.104	-0.402
7:	-0.130	-0.872
8:	-0.321	0.393
9:	-0.385	1.062
10:	0.283	0.200

X CENTROID: 0.231
 Y CENTROID: 0.157
 POA TO CENTROID: 0.280
 HORZ SPREAD: 1.436
 VERT SPREAD: 1.934
 GROUP SPREAD: 1.951
 MIN RADIUS: 0.067
 MAX RADIUS: 1.095
 MEAN RADIUS: 0.619
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

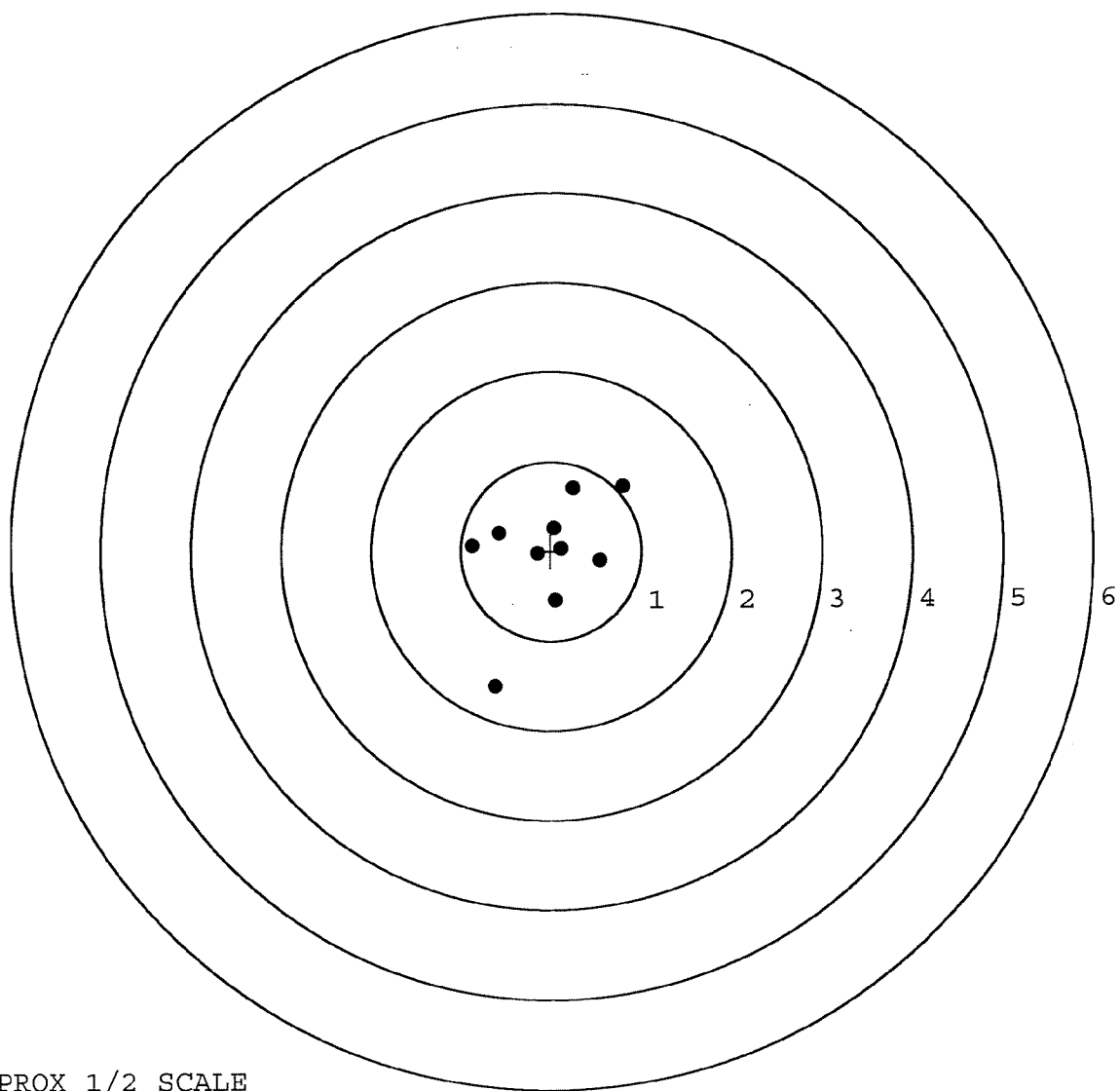


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498738. 0
 TARGET NUMBER: 5
 FILE DATE: 01/20/2004
 FILE TIME: 09:00

POINT#	X	Y
1:	0.798	0.722
2:	0.249	0.702
3:	-0.876	0.061
4:	-0.579	0.200
5:	0.546	-0.110
6:	0.050	-0.557
7:	-0.626	-1.507
8:	0.118	0.027
9:	0.036	0.259
10:	-0.149	-0.028

X CENTROID: -0.043
 Y CENTROID: -0.023
 POA TO CENTROID: 0.049
 HORZ SPREAD: 1.674
 VERT SPREAD: 2.229
 GROUP SPREAD: 2.645
 MIN RADIUS: 0.106
 MAX RADIUS: 1.594
 MEAN RADIUS: 0.662
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0066788 M2400006807

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

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

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

MODEL 700™ M24

SERIAL NO. C6498738

ORDER NO. 5716

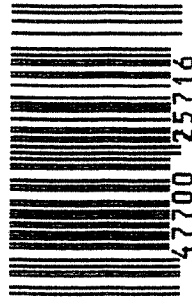
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Ø1



5716 C6498738

UPC



0 47700 25716 7

INTERCHANGEABILITY

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498738

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	5 2 90	RW
600	Proof		5 2 90	RW
607	Check Headspace		5 2 90	RW
610	Dis-assemble Gun		5 2 90	RW
612	Magnaflux Barrel Action		5-8-90	KCR
	Magnaflux Bolt		5-8-90	KCR
615	Rollmark Caliber		5/8/90	CS
617	Drill and Tap Sight Holes		5/9/90	KB
618	Polish Barrel <i>KB</i>		5/10/90	WB
620	Apply Coatings (Barrel Action)		5-16-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/18/90	RW
	C) Inspect Ejector Hole for Chamfer		5/18/90	RW
	D) Oil Firing Pin Ass'y		5/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/21/90	JH

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/4	5/22/90	WB
	G) Safety Off Force	7 1/2	7 1/2	7 1/2	5/22/90	WB
	H) Trigger Pull Test & Retainability				5/22/90	DL
	I) Firing Pin Indent	.0235	.024	.0235	5/22/90	WB
	J) Assemble Stock				5/22/90	RW
	K) Assemble Swivel Studs				24 May 90	DL
	L) Attach Front and Rear Sight Assemblies				5/22/90	RW
	M) Iron Sight Alignment				5/22/90	RW
	N) Detach Front & Rear Sights & place in numbered container				5/22/90	RW
	O) Attach Scope to Rifle				5/23/90	WB
	P) Detach & Attach Scope 20 Times				5/23/90	WB
640	Gallery Target & Test				5-23-90	AC
	A) Time				5-23-90	AC
	B) Malfunctions				5-23-90	AC
	C) Pierced Primers				5-23-90	AC
	D) Optical Clarity of Scope				5-23-90	AC
645	Inspect for Live Ammo				5-23-90	AC
655	Final Inspection					
	A) Headspace				24 May 90	DL
	B) Trigger Pull	282	265	282	24 May 90	DL
	C) Function				24 May 90	DL
660	Pack				6-20-90	DL

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO 26498738DATE 5/22/90TESTER JK

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.45	2.33	2.82	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.45	2.27	2.65	
PULL #3	2.47	2.35	2.26	2.82	
PULL #4	2.41	2.48	2.28	2.78	
PULL #5	2.44	2.39	2.28	2.77	
TOTAL	12.24	12.12	11.42		
AVG.	2.448	2.424	2.284		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.16		
PULL #2	3.24	3.17		
PULL #3	3.20	3.19		
PULL #4	3.15	3.16		
PULL #5	3.17	3.18		
TOTAL	16.04	15.85		
AVG.	3.208	3.17		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.30		4.43
PULL #2	4.28	4.28		4.40
PULL #3	4.11	4.18		4.44
PULL #4	4.39	4.27		4.40
PULL #5	4.29	4.31		4.42
TOTAL	21.35	21.34		22.09
AVG.	4.27	4.268		4.418

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498738
24 May 1990

CENTROIDAL DISTANCES

0 TO	1	.338835
1 TO	2	.44701
1 TO	3	.229334
1 TO	4	.413566
1 TO	5	.201457

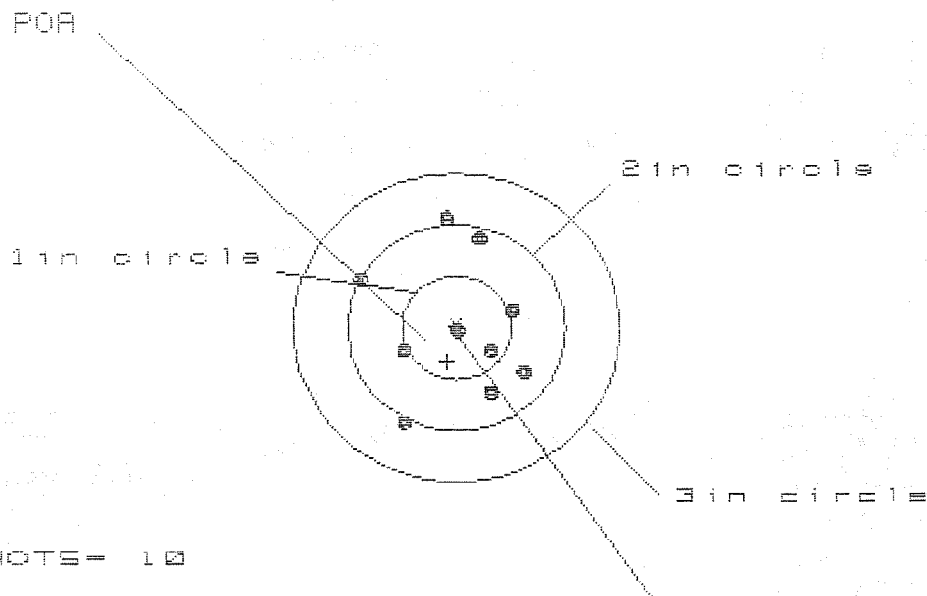
31
TH <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .144
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1598
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .215109
THE AMR FOR THIS RIFLE IS: .7296

23 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/CG438738

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 1.499

VS= 2.075

GS= 2.110

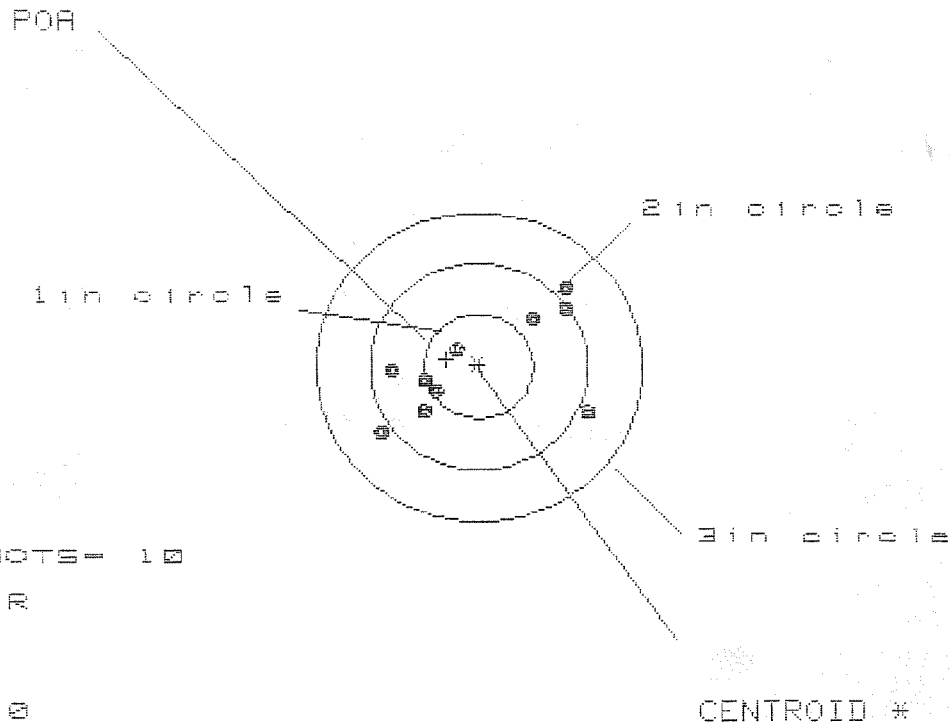
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.640	.631	.571
MINIMUM X	-.859	-.868	-.928
MAXIMUM Y	1.105	.973	.867
MINIMUM Y	-.970	-.847	-.629
CENTROID X	.085	.094	.154
CENTROID Y	.328	.205	.311
POA TO CENTROID in.	.339	.226	.347
MIN RADIUS	.059	.072	.095
MEAN RADIUS	.697	.635	.590
MAX RADIUS	1.108	1.046	1.044
HORIZONTAL SPREAD	1.499	1.499	1.499
VERTICAL SPREAD	2.075	1.820	1.496
EXTREME SPREAD	2.110	1.932	1.750
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

23 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498738

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.886

VS= 1.455

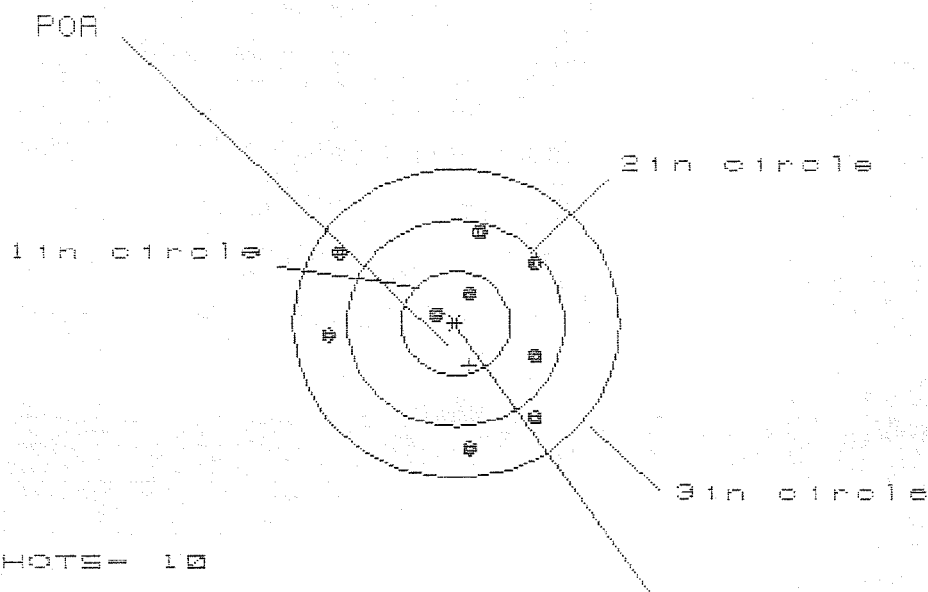
GS= 2.224

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.031	1.123	1.028
MINIMUM X	-.855	-.763	-.623
MAXIMUM Y	.795	.605	.557
MINIMUM Y	-.660	-.572	-.620
CENTROID X	.298	.206	.066
CENTROID Y	-.065	-.153	-.105
POA TO CENTROID in.	.305	.257	.124
MIN RADIUS	.291	.305	.228
MEAN RADIUS	.766	.696	.506
MAX RADIUS	1.147	1.188	1.169
HORIZONTAL SPREAD	1.886	1.886	1.651
VERTICAL SPREAD	1.455	1.177	1.177
EXTREME SPREAD	2.224	2.028	2.028
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

23 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498738

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS = 1.928

VS = 2.072

GS = 2.382

CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.736	.613	.608
MINIMUM X	-1.192	-1.315	-1.321
MAXIMUM Y	.845	.922	.779
MINIMUM Y	-1.227	-1.150	-.939
CENTROID X	-.128	-.005	.000
CENTROID Y	.413	.336	.479
POA TO CENTROID in.	.433	.336	.479
MIN RADIUS	.165	.310	.200
MEAN RADIUS	.811	.765	.685
MAX RADIUS	1.308	1.316	1.335
HORIZONTAL SPREAD	1.928	1.928	1.928
VERTICAL SPREAD	2.072	2.072	1.718
EXTREME SPREAD	2.382	2.001	2.025
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

23 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C849B738

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 4

2 in = 6

3 in = 10

HS = 2.286

VS = 1.730

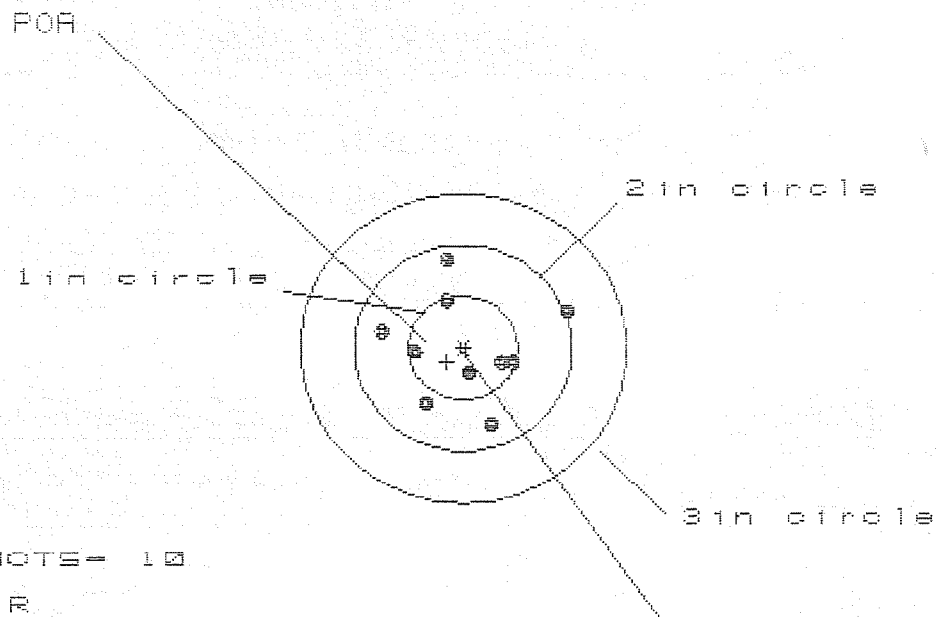
GS = 2.407

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.155	1.029	.629
MINIMUM X	:	-1.131	-1.065	-.936
MAXIMUM Y	:	.869	.937	.928
MINIMUM Y	:	-.861	-.793	-.802
CENTROID X	:	.319	.445	.316
CENTROID Y	:	-.013	-.081	-.072
POA TO CENTROID in.	:	.319	.452	.324
MIN RADIUS	:	.323	.200	.288
MEAN RADIUS	:	.765	.694	.652
MAX RADIUS	:	1.285	1.163	1.121
HORIZONTAL SPREAD	:	2.286	2.094	1.565
VERTICAL SPREAD	:	1.730	1.730	1.730
EXTREME SPREAD	:	2.407	2.130	2.102
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

23 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498738

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 5

2 in = 10

3 in = 10

HS= 1.689

VS= 1.643

GS= 1.693

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.907	.518	.512
MINIMUM X	-.782	-.681	-.687
MAXIMUM Y	.868	.903	.604
MINIMUM Y	-.775	-.740	-.627
CENTROID X	.146	.045	.051
CENTROID Y	.136	.101	-.012
POA TO CENTROID in.	.200	.111	.053
MIN RADIUS	.211	.212	.129
MEAN RADIUS	.609	.563	.504
MAX RADIUS	.961	.904	.772
HORIZONTAL SPREAD	1.689	1.199	1.199
VERTICAL SPREAD	1.643	1.643	1.231
EXTREME SPREAD	1.693	1.684	1.401
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	10		
NUMBER IN THREE INCH CIRCLE =	10		

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498738
18 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.416915
1 TO	2	.313524
1 TO	3	.337843
1 TO	4	.109041
1 TO	5	.384294

$\frac{1}{53} \pm$ <----FOR

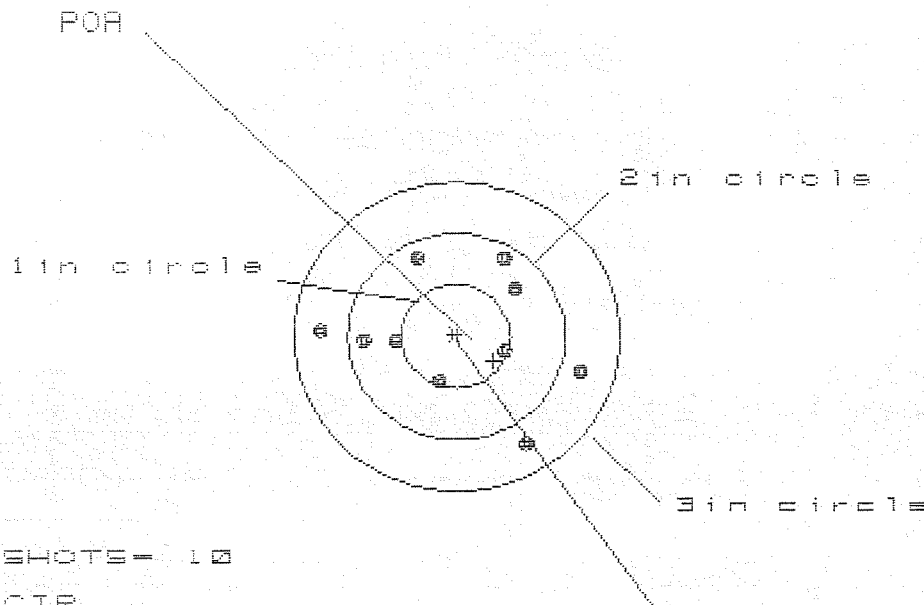
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.338
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .143
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .367005

THE AMR FOR THIS RIFLE IS: .8214

15 Jun 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C643B738.1

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.373

VS= 1.788

GS= 2.408

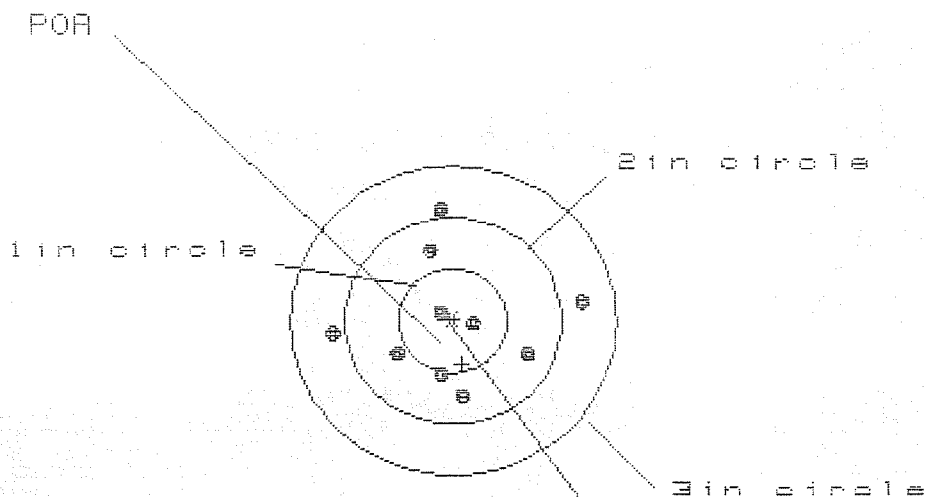
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.104	.963	1.028
MINIMUM X	-1.269	-1.045	-.980
MAXIMUM Y	.762	.772	.645
MINIMUM Y	-1.026	-1.016	-.573
CENTROID X	-.343	-.202	-.267
CENTROID Y	.237	.227	.354
POA TO CENTROID in.	.417	.304	.444
MIN RADIUS	.471	.358	.477
MEAN RADIUS	.858	.801	.753
MAX RADIUS	1.272	1.140	1.118
HORIZONTAL SPREAD	2.373	2.008	2.008
VERTICAL SPREAD	1.788	1.788	1.218
EXTREME SPREAD	2.408	2.046	2.027
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

15 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/CG498738.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 2.320

VS= 1.797

GS= 2.335

CENTROID #

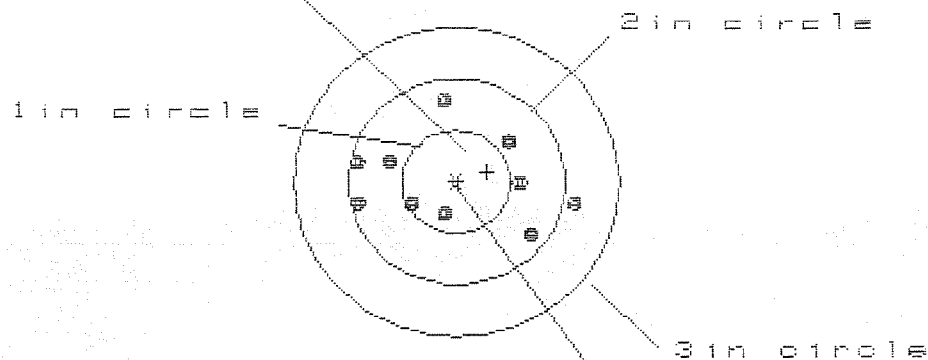
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.170	.824	.697
MINIMUM X	-1.150	-1.020	-.489
MAXIMUM Y	1.084	1.102	1.092
MINIMUM Y	-.713	-.695	-.705
CENTROID X	-.087	-.217	-.090
CENTROID Y	.418	.400	.410
POA TO CENTROID in.	.427	.455	.420
MIN RADIUS	.102	.097	.105
MEAN RADIUS	.706	.650	.590
MAX RADIUS	1.182	1.103	1.095
HORIZONTAL SPREAD	2.320	1.844	1.186
VERTICAL SPREAD	1.797	1.797	1.797
EXTREME SPREAD	2.335	1.852	1.805
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

15 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498738.1

CENTERFIRE PATTERNS # 3

POR



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 9

3 in = 10

HS= 2.020

VS= 1.281

GS= 2.070

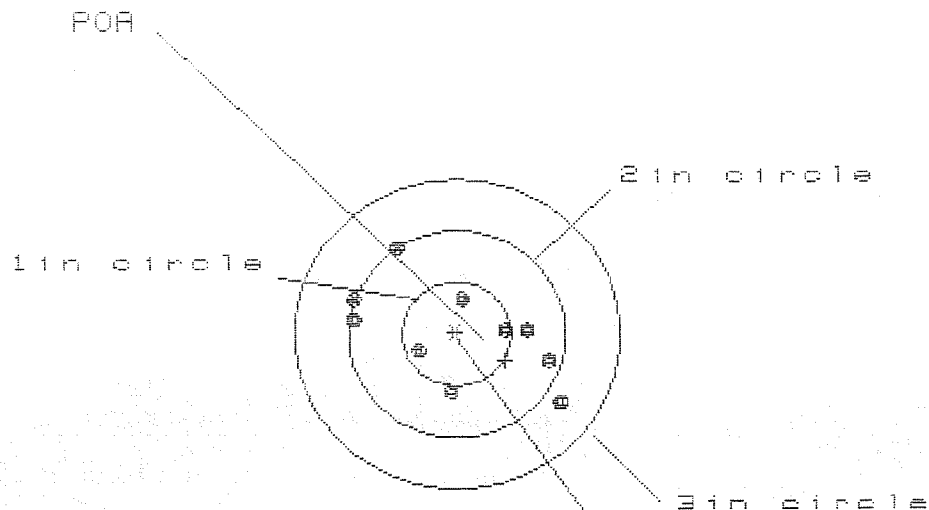
CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.110
MINIMUM X	-.910
MAXIMUM Y	.766
MINIMUM Y	-.515
CENTROID X	-.286
CENTROID Y	-.096
POR TO CENTROID in.	.302
MIN RADIUS	.318
MEAN RADIUS	.722
MAX RADIUS	1.134
HORIZONTAL SPREAD	2.020
VERTICAL SPREAD	1.281
EXTREME SPREAD	2.070
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	9
NUMBER IN THREE INCH CIRCLE =	10

15 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C849B738.1

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.920

VS= 1.462

GS= 2.178

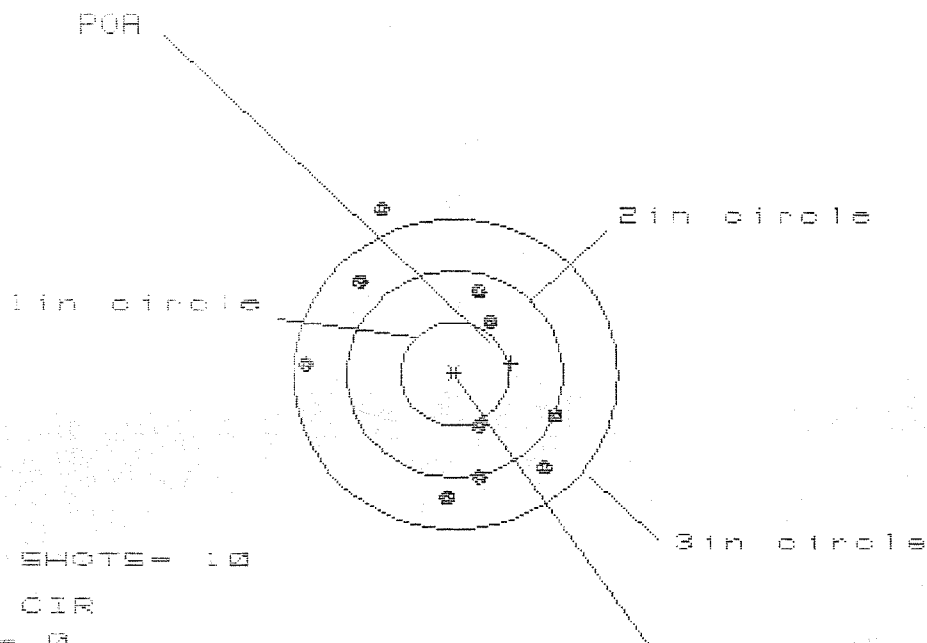
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.936	.938	.828
MINIMUM X	-.984	-.880	-.990
MAXIMUM Y	.796	.722	.759
MINIMUM Y	-.666	-.653	-.616
CENTROID X	-.450	-.554	-.444
CENTROID Y	.258	.332	.295
POA TO CENTROID in.	.519	.646	.533
MIN RADIUS	.307	.258	.270
MEAN RADIUS	.746	.696	.656
MAX RADIUS	1.149	.997	.992
HORIZONTAL SPREAD	1.920	1.818	1.818
VERTICAL SPREAD	1.462	1.375	1.375
EXTREME SPREAD	2.178	1.922	1.854
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

15 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498738.1

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 0

2in = 5

3in = 9

HS = 2.276

VS = 2.778

GS = 2.934

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.931
MINIMUM X	-1.345
MAXIMUM Y	1.593
MINIMUM Y	-1.185
CENTROID X	-.524
CENTROID Y	-.102
POA TO CENTROID in.	.533
MIN RADIUS	.548
MEAN RADIUS	1.075
MAX RADIUS	1.728
HORIZONTAL SPREAD	2.376
VERTICAL SPREAD	2.778
EXTREME SPREAD	2.934
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9