

C6498743

MODEL 700TM M24

Model **SMS**TM

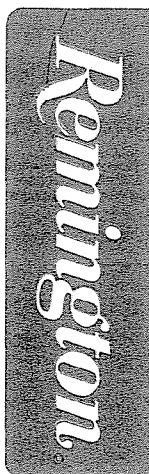
Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: RE00112582

Serial: C6498743 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/19/1990

Repairman:

Status:

Closed 5/19/2006 9:46:59 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPOTATION OFFICER

TRANSPOTATION OFFICER

Address 1: ANNISTON ARMY DEPOT

ANNISTON ARMY DEPOT

Address 2: EXIT BYNUM AL 36253

PO Box:

EXIT BYNUM AL 36253

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 36201

Country: US

State: AL

Zip Code: 36201

Country: US

FPL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

Inaglet

5/23/2006

7:25 AM

CAPS

NUM

INS

SCRL

start

2 Micr...

Microsof...

2 Inter...

Part Sea...

Arms Se...

7:25 AM

C6498743

Model: M24 SWS



RE00112582

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498743.___0
FILE DATE AND TIME: 06/08/2006 16:27

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

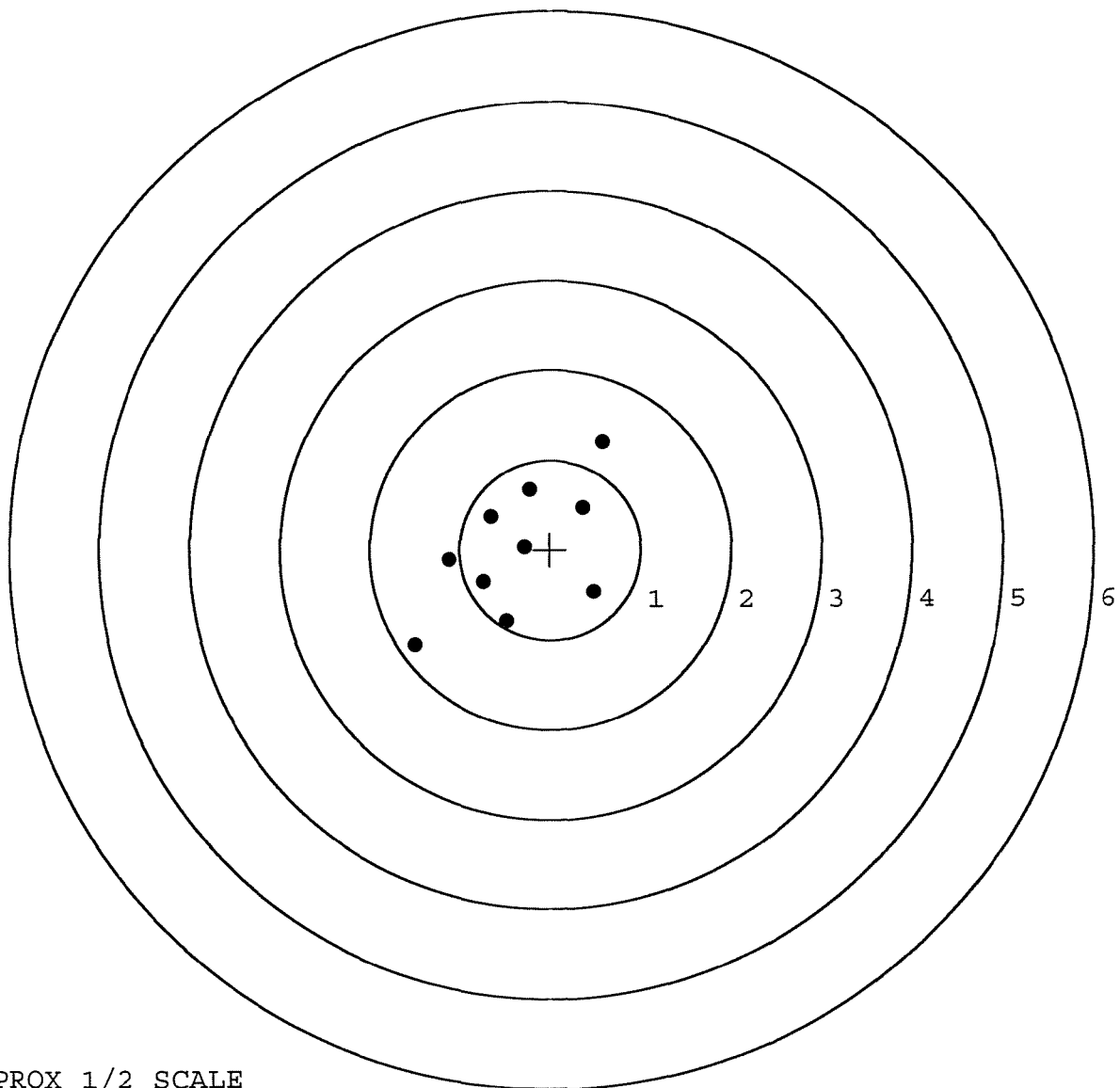
The Average X Centroid of the Five Target Set:	-0.172
The Average Y Centroid of the Five Target Set:	0.151
The Average Point of Impact of the Five Target Set:	0.229
The Average Mean Radius of the Five Target Set:	0.782
The Distance from POA to Centroid Target #1:	0.358
The Distance from Centroid Target #2 to Centroid Target #1:	0.342
The Distance from Centroid Target #3 to Centroid Target #1:	0.233
The Distance from Centroid Target #4 to Centroid Target #1:	0.152
The Distance from Centroid Target #5 to Centroid Target #1:	0.589

BARBER - M24 0006879

SERIAL NUMBER: C6498743. __0
TARGET NUMBER: 1
FILE DATE: 06/08/2006
FILE TIME: 16:27

X CENTROID: -0.358
Y CENTROID: -0.006
POA TO CENTROID: 0.358
HORZ SPREAD: 2.083
VERT SPREAD: 2.261
GROUP SPREAD: 3.074
MIN RADIUS: 0.082
MAX RADIUS: 1.553
MEAN RADIUS: 0.824
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.584	1.202
2:	0.364	0.467
3:	0.483	-0.471
4:	-0.482	-0.795
5:	-0.285	0.032
6:	-0.231	0.669
7:	-0.659	0.368
8:	-1.114	-0.119
9:	-0.736	-0.355
10:	-1.499	-1.059



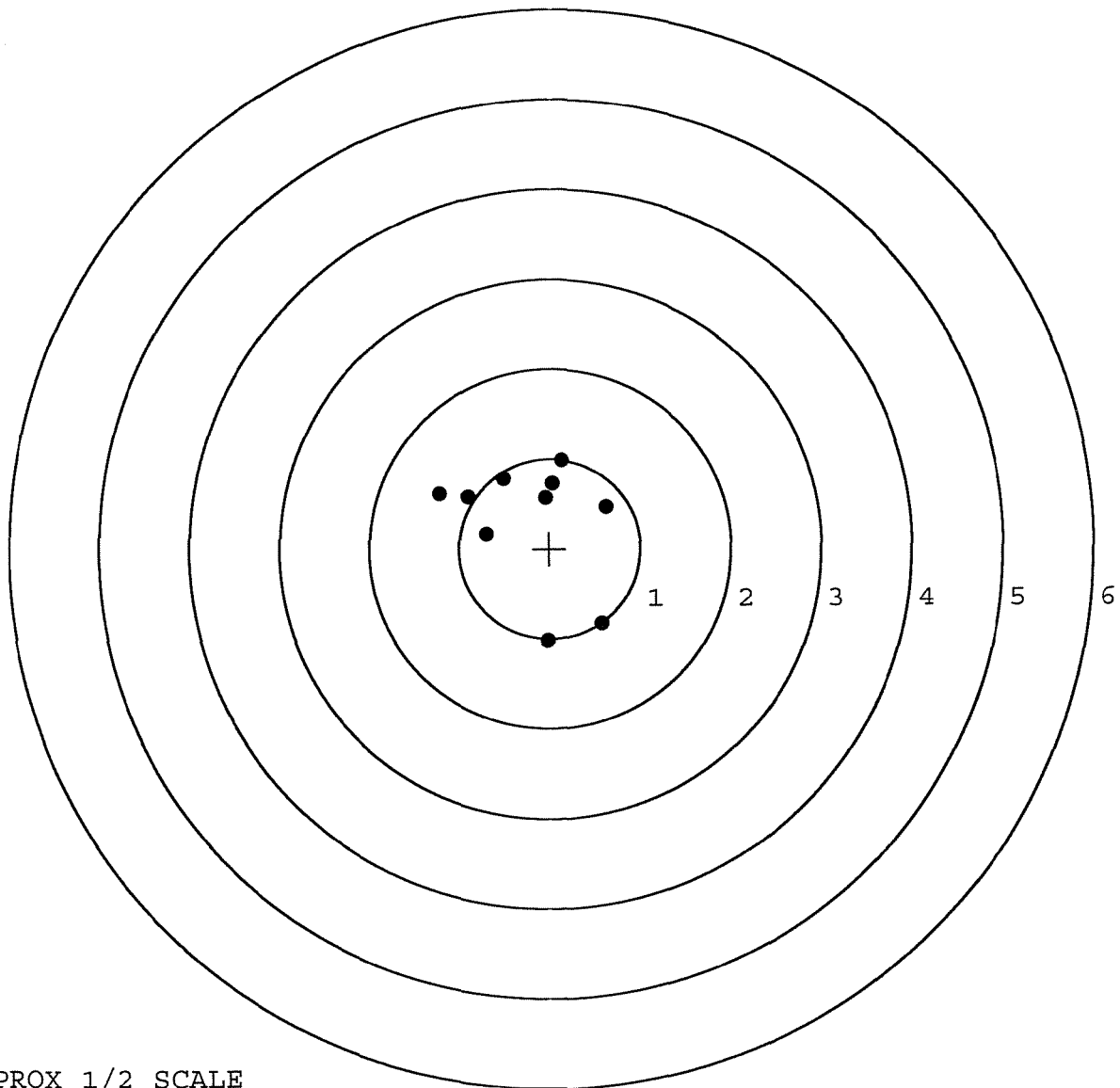
TARGET APPROX 1/2 SCALE

BARBER - M24 0006880

SERIAL NUMBER: C6498743. __0
TARGET NUMBER: 2
FILE DATE: 06/08/2006
FILE TIME: 16:27

X CENTROID: -0.204
Y CENTROID: 0.300
POA TO CENTROID: 0.363
HORZ SPREAD: 1.846
VERT SPREAD: 2.012
GROUP SPREAD: 2.313
MIN RADIUS: 0.302
MAX RADIUS: 1.382
MEAN RADIUS: 0.802
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.623	0.465
2:	0.139	0.982
3:	0.028	0.725
4:	-0.053	0.561
5:	-0.509	0.780
6:	-1.223	0.611
7:	-0.901	0.577
8:	-0.704	0.164
9:	-0.021	-1.030
10:	0.580	-0.838



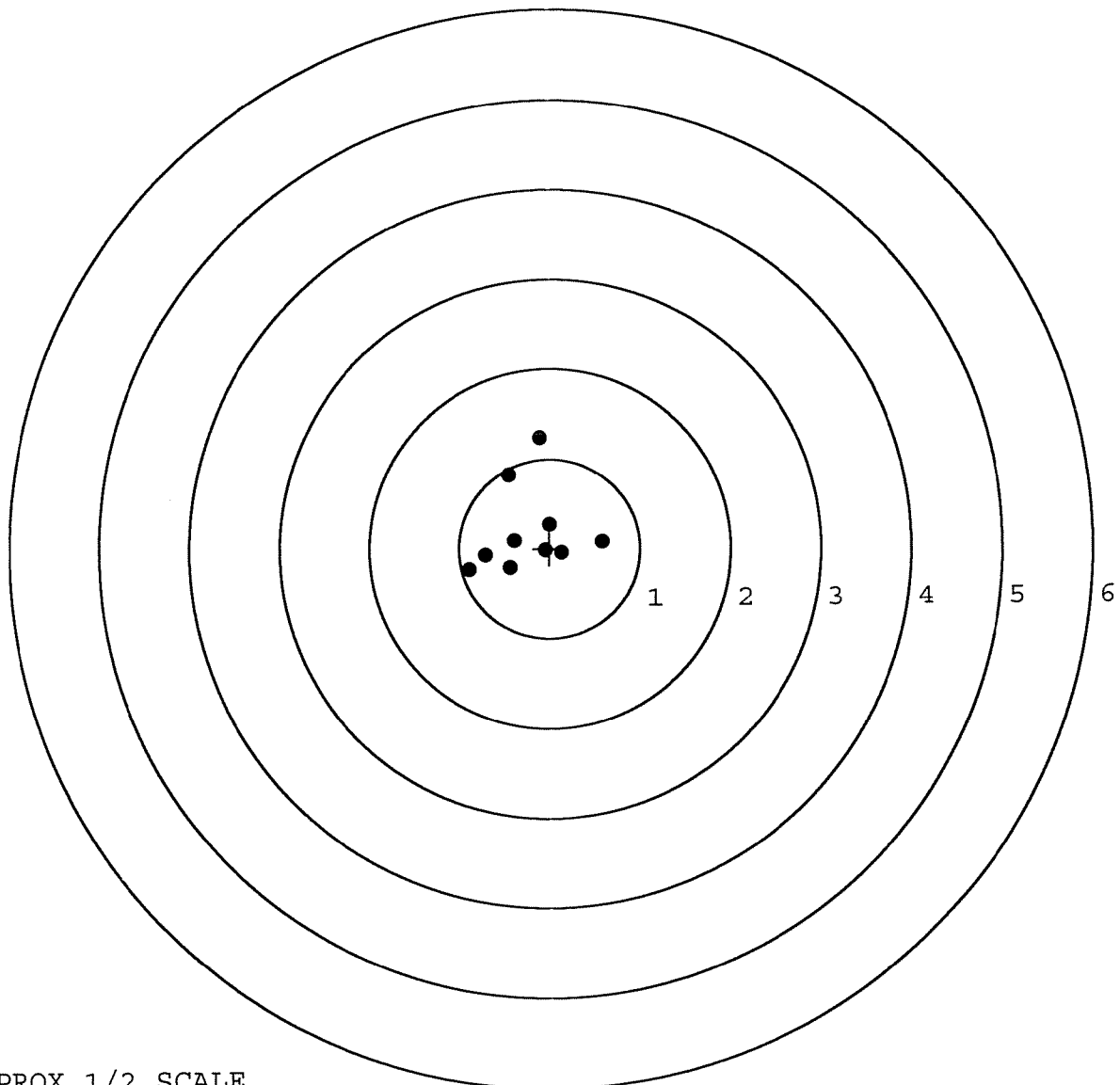
TARGET APPROX 1/2 SCALE

BARBER - M24 0006881

SERIAL NUMBER: C6498743. __0
TARGET NUMBER: 3
FILE DATE: 06/08/2006
FILE TIME: 16:27

X CENTROID: -0.232
Y CENTROID: 0.190
POA TO CENTROID: 0.300
HORZ SPREAD: 1.474
VERT SPREAD: 1.472
GROUP SPREAD: 1.669
MIN RADIUS: 0.186
MAX RADIUS: 1.056
MEAN RADIUS: 0.549
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.107	1.238
2:	-0.448	0.824
3:	0.581	0.077
4:	-0.002	0.272
5:	0.134	-0.052
6:	-0.047	-0.021
7:	-0.389	0.090
8:	-0.710	-0.077
9:	-0.893	-0.234
10:	-0.438	-0.220



TARGET APPROX 1/2 SCALE

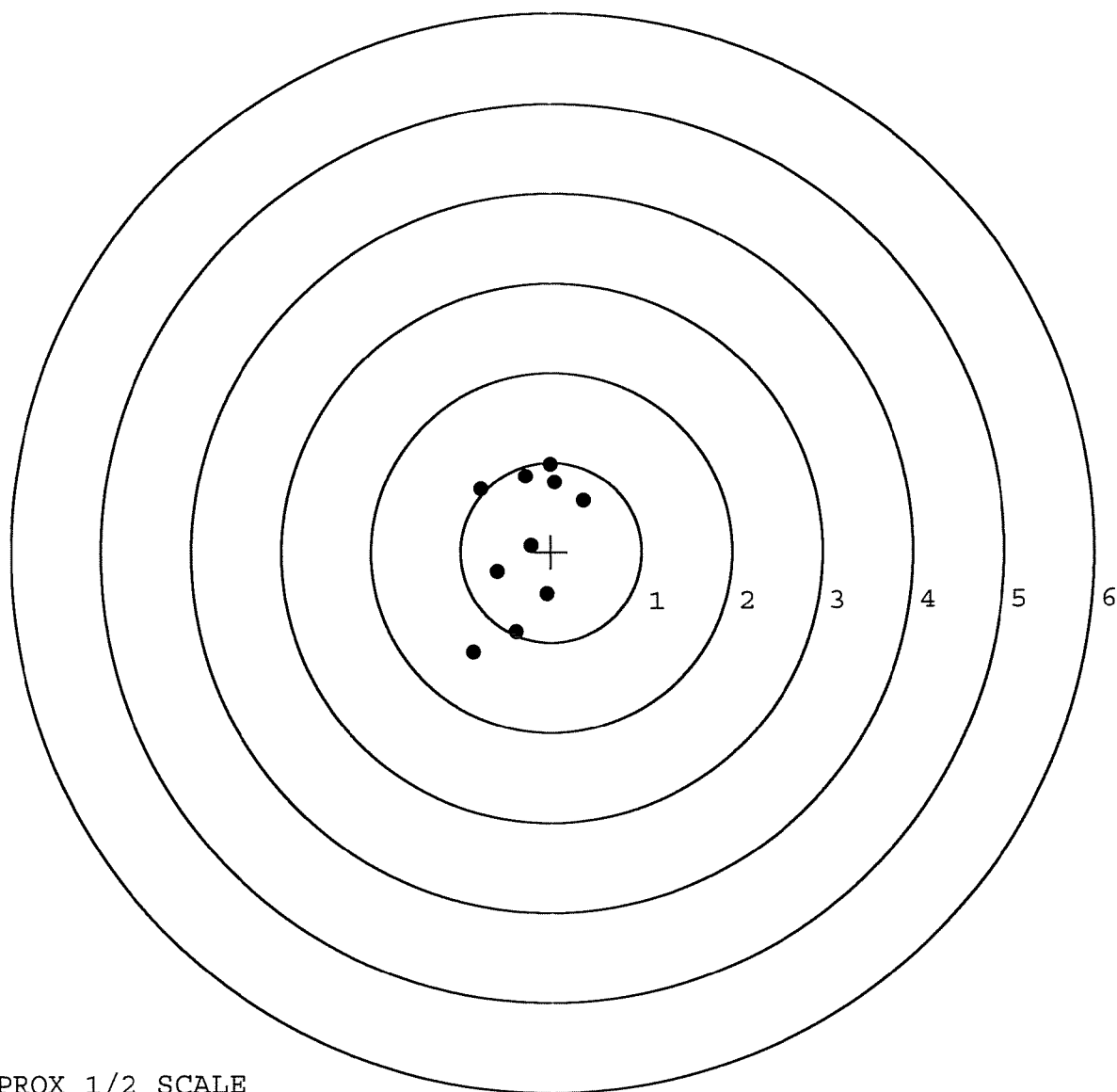
BARBER - M24 0006882

SERIAL NUMBER: C6498743. __0
 TARGET NUMBER: 4
 FILE DATE: 06/08/2006
 FILE TIME: 16:27

X CENTROID: -0.280
 Y CENTROID: 0.125
 POA TO CENTROID: 0.306
 HORZ SPREAD: 1.226
 VERT SPREAD: 2.083
 GROUP SPREAD: 2.251
 MIN RADIUS: 0.078
 MAX RADIUS: 1.366
 MEAN RADIUS: 0.745

IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.866	-1.109
2:	-0.391	-0.893
3:	-0.052	-0.470
4:	-0.594	-0.221
5:	-0.221	0.073
6:	-0.780	0.702
7:	-0.284	0.844
8:	-0.012	0.974
9:	0.360	0.569
10:	0.042	0.777



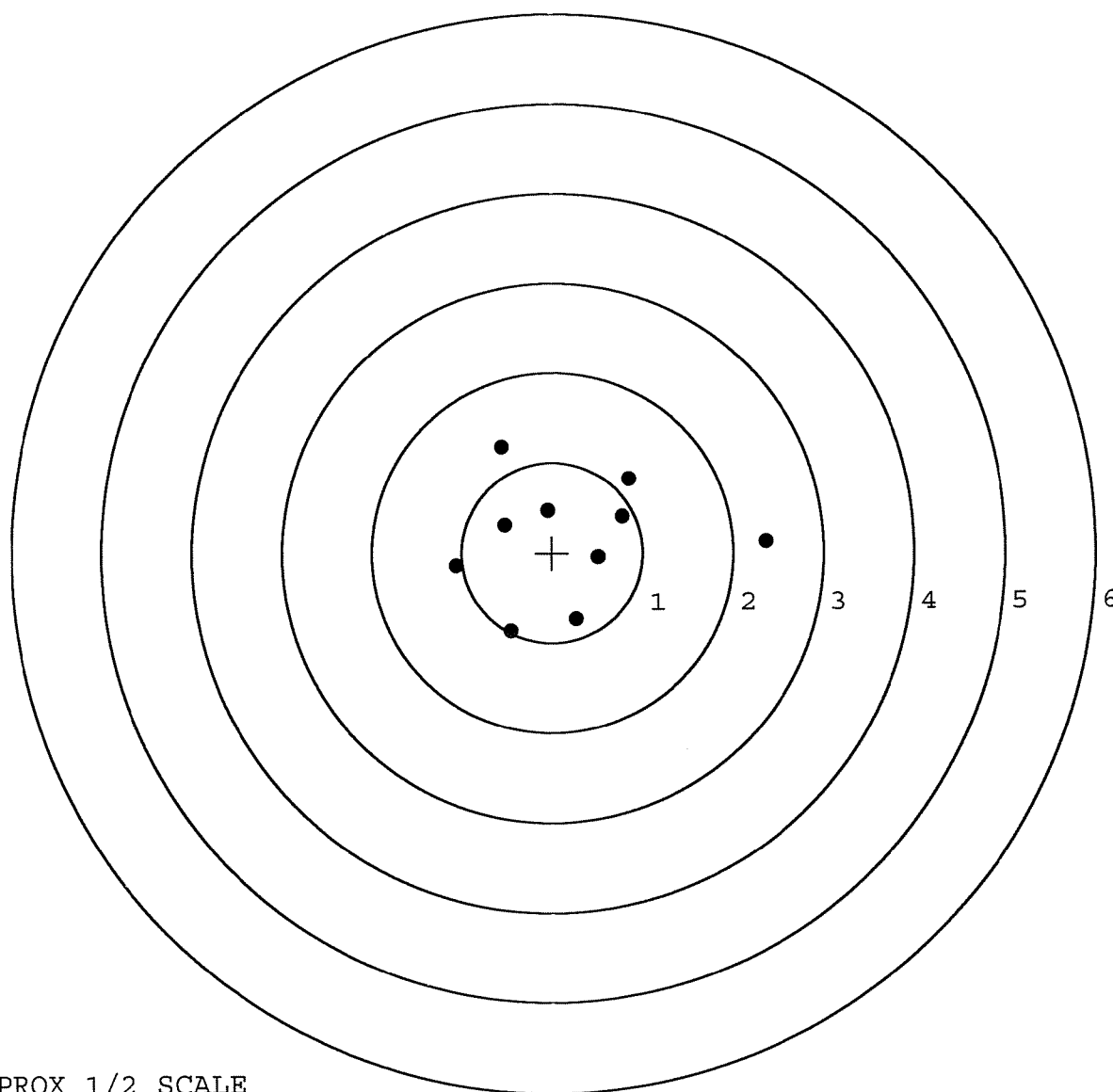
TARGET APPROX 1/2 SCALE

BARBER - M24 0006883

SERIAL NUMBER: C6498743. 0
 TARGET NUMBER: 5
 FILE DATE: 06/08/2006
 FILE TIME: 16:27

X CENTROID: 0.212
 Y CENTROID: 0.148
 POA TO CENTROID: 0.258
 HORZ SPREAD: 3.420
 VERT SPREAD: 2.048
 GROUP SPREAD: 3.430
 MIN RADIUS: 0.357
 MAX RADIUS: 2.148
 MEAN RADIUS: 0.992
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.270	-0.745
2:	-0.455	-0.878
3:	-1.061	-0.143
4:	0.508	-0.051
5:	0.774	0.403
6:	0.850	0.816
7:	-0.525	0.310
8:	-0.048	0.473
9:	-0.557	1.170
10:	2.359	0.125



TARGET APPROX 1/2 SCALE

R & E NUMBER	112582		
SERIAL NUMBER	C60498743		
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	6-1-06	TRW
605	CHECK HEADSPACE	6-1-06	TRW
610	DIS-ASSEMBLE GUN	6-2-06	RTZ
612	MAGNAFLUX	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	TRB
625	FINAL ASSEMBLY	6-8-06	RTZ
640	FUNCTION TEST AND	PASS FAIL	6-8-06 MTM
650	TARGET	PASS FAIL	6-8-06 MTM
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		
	A) HEADSPACE	PASS FAIL	6-19-06 MTM
	B) TRIGGER PULL	238 2.31 2.31 2.30 2.35 6-16-06	OA
	F) SAFETY ON FORCE	5.5 5.5 5.5 6-16-06	OA
	G) SAFETY OFF FORCE	3.0 3.0 2.5 6-16-06	OA
	I) FIRING PIN INDENT	.024 .024 .023 6-16-06	OA
690	PACK	7-6-06	OA

BARBER - M24 0006885

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

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

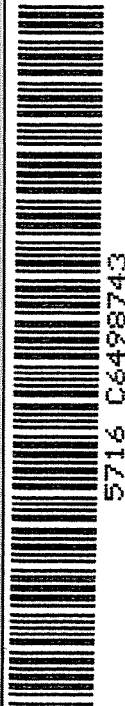
MODEL 700TM M24

SERIAL NO. C6498743

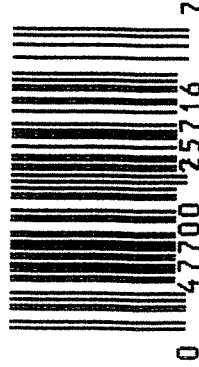
ORDER NO. 5716

Ø1

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



UPC



CONTRACT # DAAA21-~~4~~ C-3086

GUN SERIAL # C6498743

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	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	FB
618	Polish Barrel RB		5/10/90	WB
620	Apply Coatings (Barrel Action)		5/16/90	JA
	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		5/24/90	JM

BARBER - M24 0006887

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4			5/24/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			5/24/90	WB
	H) Trigger Pull Test & Retainability						5/24/90	JH
	I) Firing Pin Indent	.0245	.0245	.0245			5/24/90	WB
	J) Assemble Stock						5/29/90	RW
	K) Assemble Swivel Studs						6-6-90	JH
	L) Attach Front and Rear Sight Assemblies						5/29/90	RW
	M) Iron Sight Alignment						5/29/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/29/90	RW
	O) Attach Scope to Rifle						5/30/90	WB
	P) Detach & Attach Scope 20 Times						5/30/90	WB
640	Gallery Target & Test						5-30-90	DH
	A) Time						5-30-90	DH
	B) Malfunctions						5-30-90	DH
	C) Pierced Primers						5-30-90	DH
	D) Optical Clarity of Scope						5-30-90	DH
645	Inspect for Live Ammo						5-30-90	DH
655	Final Inspection							
	A) Headspace						6-8-90	JH
	B) Trigger Pull	2.33	2.43	2.35	2.37	2.04	6-6-90	JH
	C) Function						6-6-90	JH
660	Pack						6-19-90	DH

SWS TRIGGER PULL TEST

BARBER - M24 0006888

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CC498743

DATE 5/24/90

TESTER JK

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.25	2.44	2.40	2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.28	2.26	2.43	
PULL #3	2.55	2.45	2.45	2.35	
PULL #4	2.52	2.42	2.30	2.37	
PULL #5	2.41	2.21	2.40	2.09	
TOTAL	12.04	11.80	11.81		
AVG.	2.408	2.36	2.362		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.40	3.20		
PULL #2	3.25	3.32		
PULL #3	3.30	3.35		
PULL #4	3.35	3.42		
PULL #5	3.36	3.40		
TOTAL	16.66	16.69		
AVG.	3.332	3.338		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.45		4.20
PULL #2	4.33	4.37		4.02
PULL #3	4.34	4.33		4.27
PULL #4	4.36	4.18		4.21
PULL #5	4.44	4.32		4.09
TOTAL	21.69	21.65		20.77
AVG.	4.138	4.33		4.154

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0006888 06927

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498743
31 May 1990

CENTROIDAL DISTANCES

0 TO	1	.835812
1 TO	2	.331489
1 TO	3	.315357
1 TO	4	.374482
1 TO	5	.384169

+ $\frac{21}{\pi}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .8126
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0084
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .812643
THE AMR FOR THIS RIFLE IS: .823

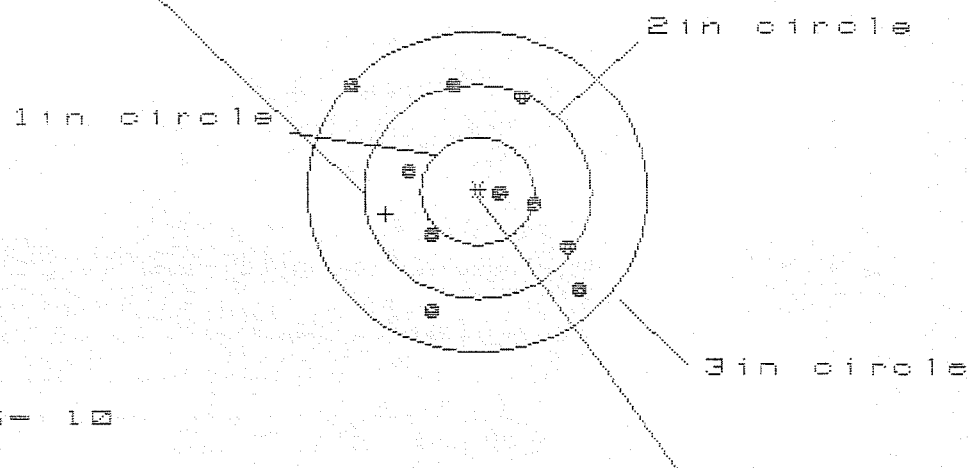
31 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C849B743

CENTERFIRE PATTERNS

1

POA



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 1.287

VS= 2.138

GS= 2.734

CENTROID #

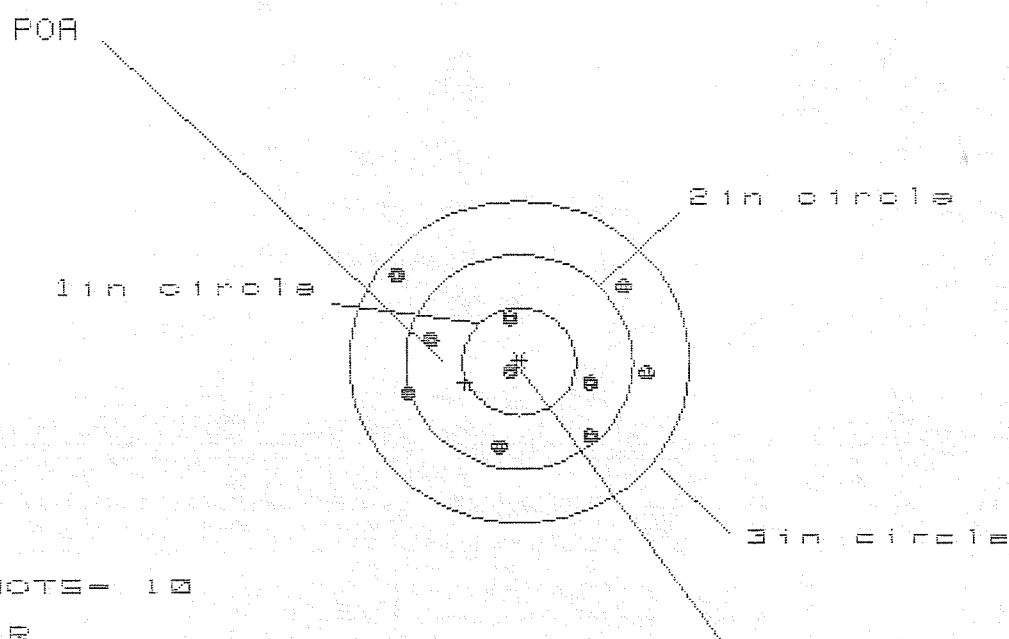
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.873	.749	.769
MINIMUM X	-1.114	-.724	-.631
MAXIMUM Y	1.014	1.125	1.031
MINIMUM Y	-1.125	-1.012	-1.106
CENTROID X	.809	.933	.840
CENTROID Y	.210	.097	.191
POA TO CENTROID in.	.836	.938	.861
MIN RADIUS	.174	.131	.146
MEAN RADIUS	.875	.784	.748
MAX RADIUS	1.506	1.176	1.180
HORIZONTAL SPREAD	1.987	1.473	1.399
VERTICAL SPREAD	2.138	2.137	2.137
EXTREME SPREAD	2.734	2.171	2.164
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

31 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/CG438743

CENTERFIRE PATTERNS

2



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 10

HS = 2.135

VS = 1.647

GS = 2.326

CENTROID #

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.089	.973	1.069
MINIMUM X	-1.046	-1.118	-1.022
MAXIMUM Y	.811	.795	.580
MINIMUM Y	-.836	-.745	-.646
CENTROID X	.478	.594	.498
CENTROID Y	.192	.101	.002
POA TO CENTROID in.	.515	.603	.498
MIN RADIUS	.116	.213	.168
MEAN RADIUS	.828	.769	.718
MAX RADIUS	1.324	1.132	1.072
HORIZONTAL SPREAD	2.135	2.091	2.091
VERTICAL SPREAD	1.647	1.540	1.226
EXTREME SPREAD	2.326	2.123	2.097
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

31 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6438743

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HE= 1.745

VS= 1.747

GS= 2.265

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.934	.671	.621
MINIMUM X	:	-.811	-.707	-.757
MAXIMUM Y	:	.762	.652	.472
MINIMUM Y	:	-.985	-.510	-.428
CENTROID X	:	.944	.840	.890
CENTROID Y	:	-.075	.034	-.048
POA TO CENTROID in.	:	.947	.841	.892
MIN RADIUS	:	.084	.226	.143
MEAN RADIUS	:	.650	.579	.538
MAX RADIUS	:	1.358	.843	.760
HORIZONTAL SPREAD	:	1.745	1.378	1.378
VERTICAL SPREAD	:	1.747	1.162	.901
EXTREME SPREAD	:	2.265	1.583	1.427
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

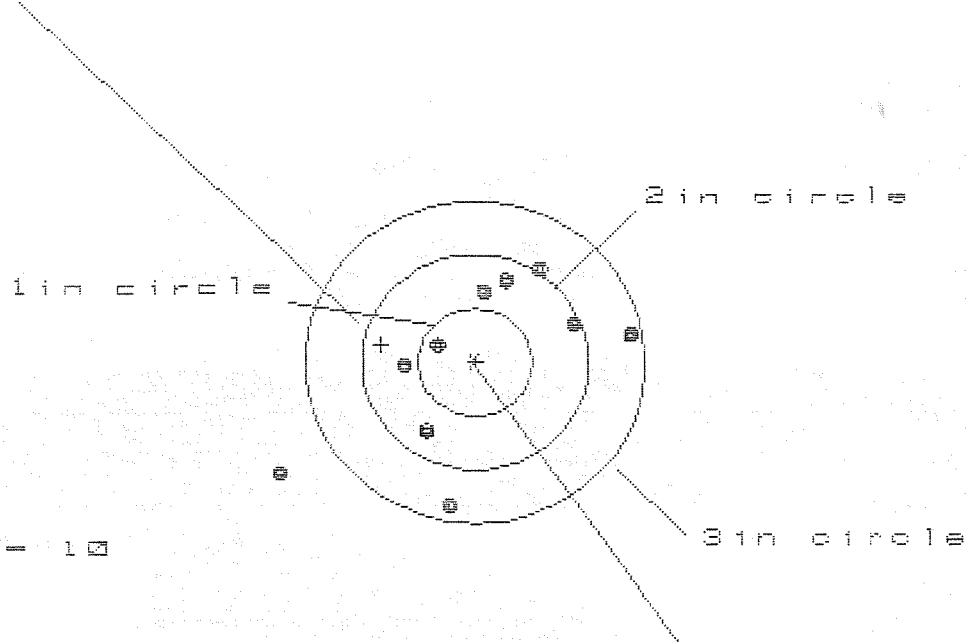
31 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C849B743

CENTERFIRE PATTERNS

4

POA



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS = 3.050

VS = 2.172

GS = 3.327

CENTROID #

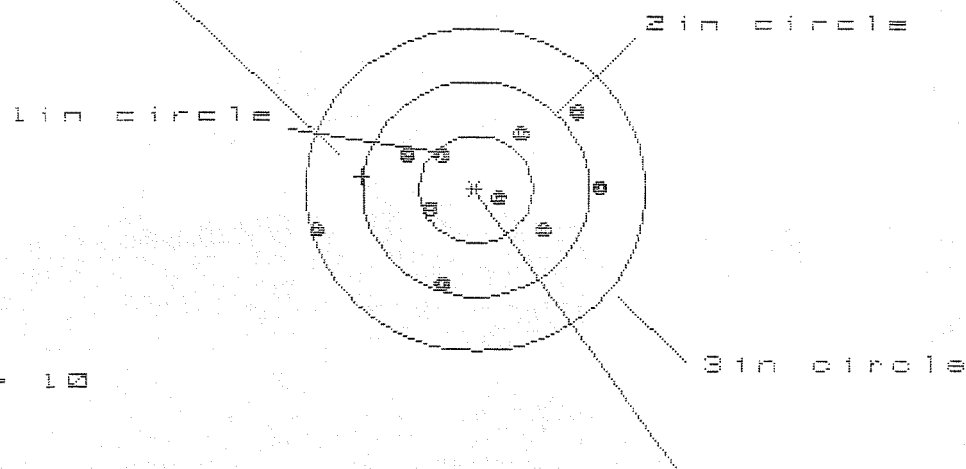
PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.350	1.161	.860
MINIMUM X	-1.700	-.768	-.623
MAXIMUM Y	.823	.706	.725
MINIMUM Y	-1.349	-1.466	-1.447
CENTROID X	.828	1.017	.872
CENTROID Y	-.164	-.047	-.066
POA TO CENTROID in.	.844	1.018	.875
MIN RADIUS	.346	.500	.358
MEAN RADIUS	.987	.853	.797
MAX RADIUS	2.001	1.520	1.469
HORIZONTAL SPREAD	3.050	1.929	1.493
VERTICAL SPREAD	2.172	2.172	2.172
EXTREME SPREAD	3.327	2.313	2.313
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

31 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498743

CENTERFIRE PATTERNS # 5

POA



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS = 2.486

VS = 1.550

GS = 2.568

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.072	.914	1.007
MINIMUM X	-1.415	-.773	-.680
MAXIMUM Y	.683	.636	.568
MINIMUM Y	-.867	-.914	-.835
CENTROID X	1.004	1.161	1.068
CENTROID Y	-.121	-.074	-.153
POA TO CENTROID in.	1.011	1.163	1.079
MIN RADIUS	.183	.129	.111
MEAN RADIUS	.775	.687	.639
MAX RADIUS	1.478	1.041	1.011
HORIZONTAL SPREAD	2.486	1.687	1.687
VERTICAL SPREAD	1.550	1.550	1.403
EXTREME SPREAD	2.568	1.986	1.708
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	