



C6498876

MODEL 700™ M24

Model **SMS**™

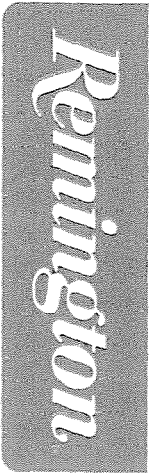
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498876.___0
FILE DATE AND TIME: 08/15/2006 20:32

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

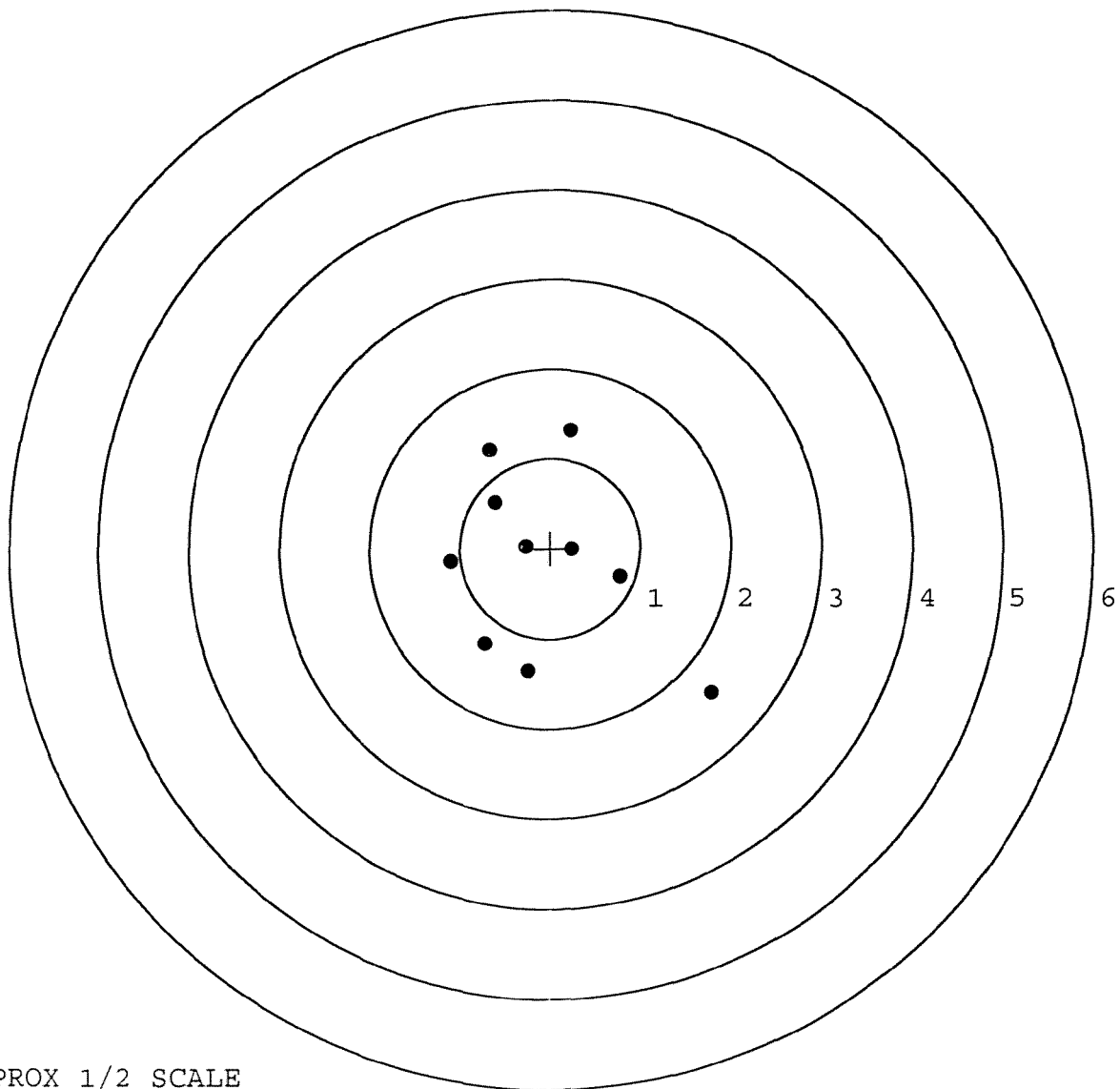
The Average X Centroid of the Five Target Set:	0.033
The Average Y Centroid of the Five Target Set:	-0.071
The Average Point of Impact of the Five Target Set:	0.079
The Average Mean Radius of the Five Target Set:	0.695
The Distance from POA to Centroid Target #1:	0.167
The Distance from Centroid Target #2 to Centroid Target #1:	0.279
The Distance from Centroid Target #3 to Centroid Target #1:	0.220
The Distance from Centroid Target #4 to Centroid Target #1:	0.069
The Distance from Centroid Target #5 to Centroid Target #1:	0.116

BARBER - M24 0009360

SERIAL NUMBER: C6498876. __0
TARGET NUMBER: 1
FILE DATE: 08/15/2006
FILE TIME: 20:32

POINT#	X	Y
1:	0.224	1.315
2:	-0.671	1.097
3:	-0.612	0.513
4:	-1.098	-0.155
5:	-0.726	-1.059
6:	-0.243	-1.356
7:	-0.276	0.021
8:	0.237	-0.015
9:	0.777	-0.316
10:	1.788	-1.602

X CENTROID: -0.060
Y CENTROID: -0.156
POA TO CENTROID: 0.167
HORZ SPREAD: 2.886
VERT SPREAD: 2.917
GROUP SPREAD: 3.651
MIN RADIUS: 0.279
MAX RADIUS: 2.347
MEAN RADIUS: 1.094
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 9



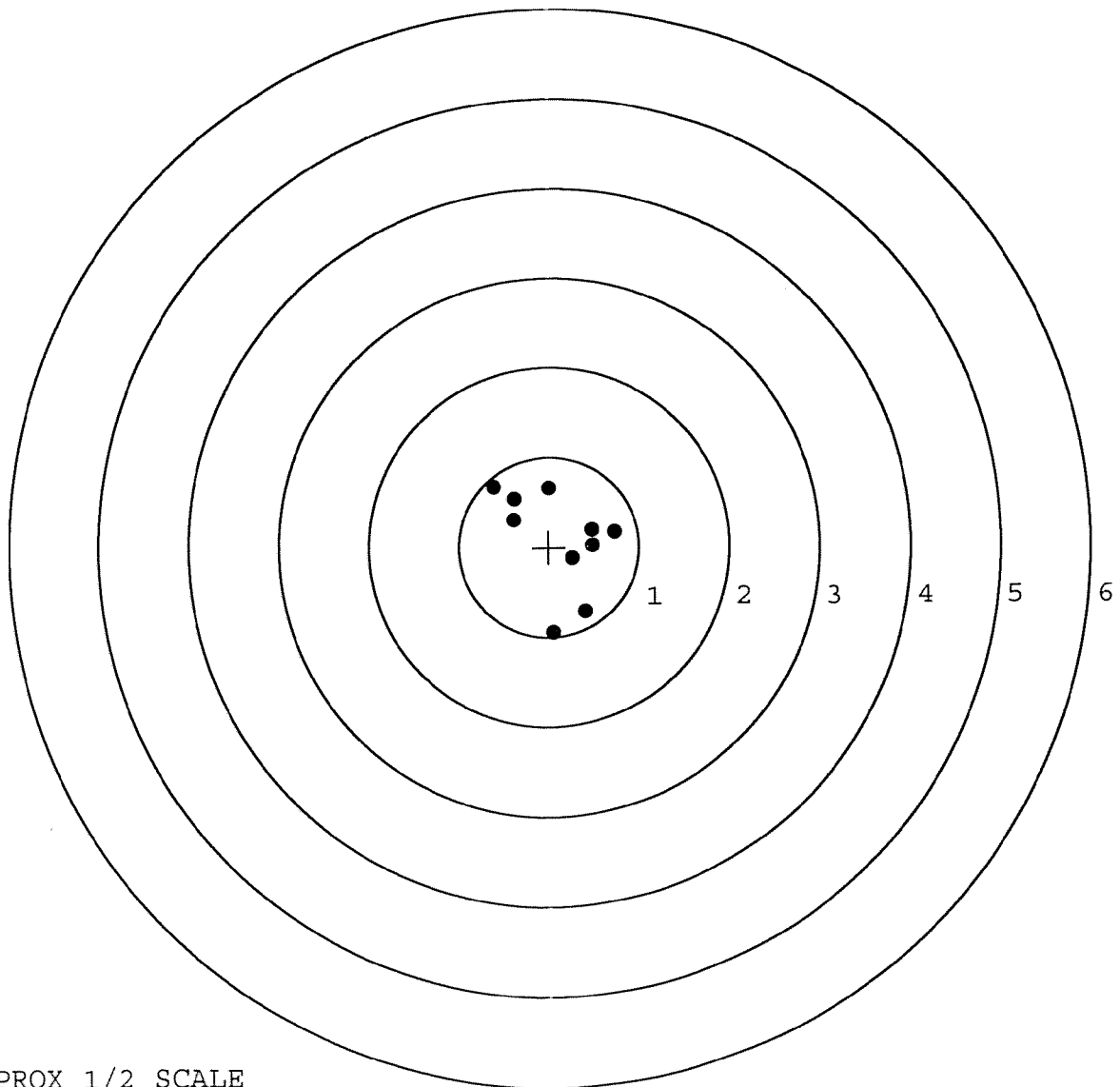
TARGET APPROX 1/2 SCALE

BARBER - M24 0009361

SERIAL NUMBER: C6498876. __0
TARGET NUMBER: 2
FILE DATE: 08/15/2006
FILE TIME: 20:32

POINT#	X	Y
1:	0.047	-0.956
2:	0.405	-0.721
3:	0.263	-0.133
4:	0.483	0.014
5:	0.475	0.187
6:	0.727	0.166
7:	0.000	0.657
8:	-0.610	0.668
9:	-0.385	0.534
10:	-0.391	0.301

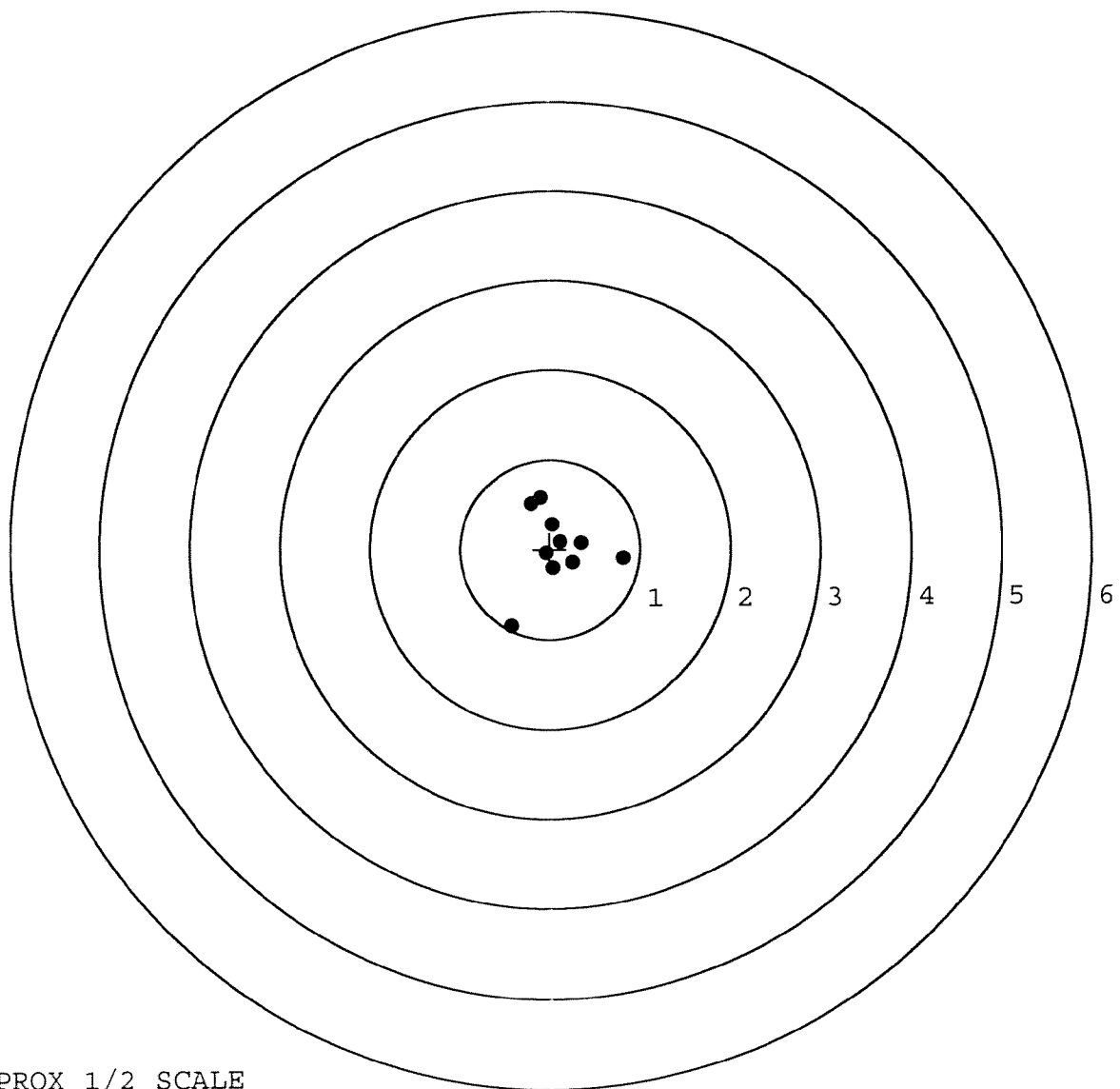
X CENTROID: 0.101
Y CENTROID: 0.072
POA TO CENTROID: 0.124
HORZ SPREAD: 1.337
VERT SPREAD: 1.624
GROUP SPREAD: 1.752
MIN RADIUS: 0.261
MAX RADIUS: 1.029
MEAN RADIUS: 0.628
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0009362

SERIAL NUMBER: C6498876. 0	POINT#	X	Y
TARGET NUMBER: 3	1:	-0.428	-0.857
FILE DATE: 08/15/2006	2:	0.811	-0.107
FILE TIME: 20:32	3:	-0.101	0.579
	4:	-0.209	0.512
X CENTROID: 0.082	5:	0.350	0.071
Y CENTROID: 0.013	6:	0.258	-0.157
POA TO CENTROID: 0.083	7:	-0.041	-0.053
HORZ SPREAD: 1.239	8:	0.037	-0.219
VERT SPREAD: 1.436	9:	0.114	0.084
GROUP SPREAD: 1.473	10:	0.032	0.274
MIN RADIUS: 0.078			
MAX RADIUS: 1.008			
MEAN RADIUS: 0.416			
# IN 1 IN DIAMETER: 6			
# IN 2 IN DIAMETER: 9			
# in 3 IN DIAMETER: 10			



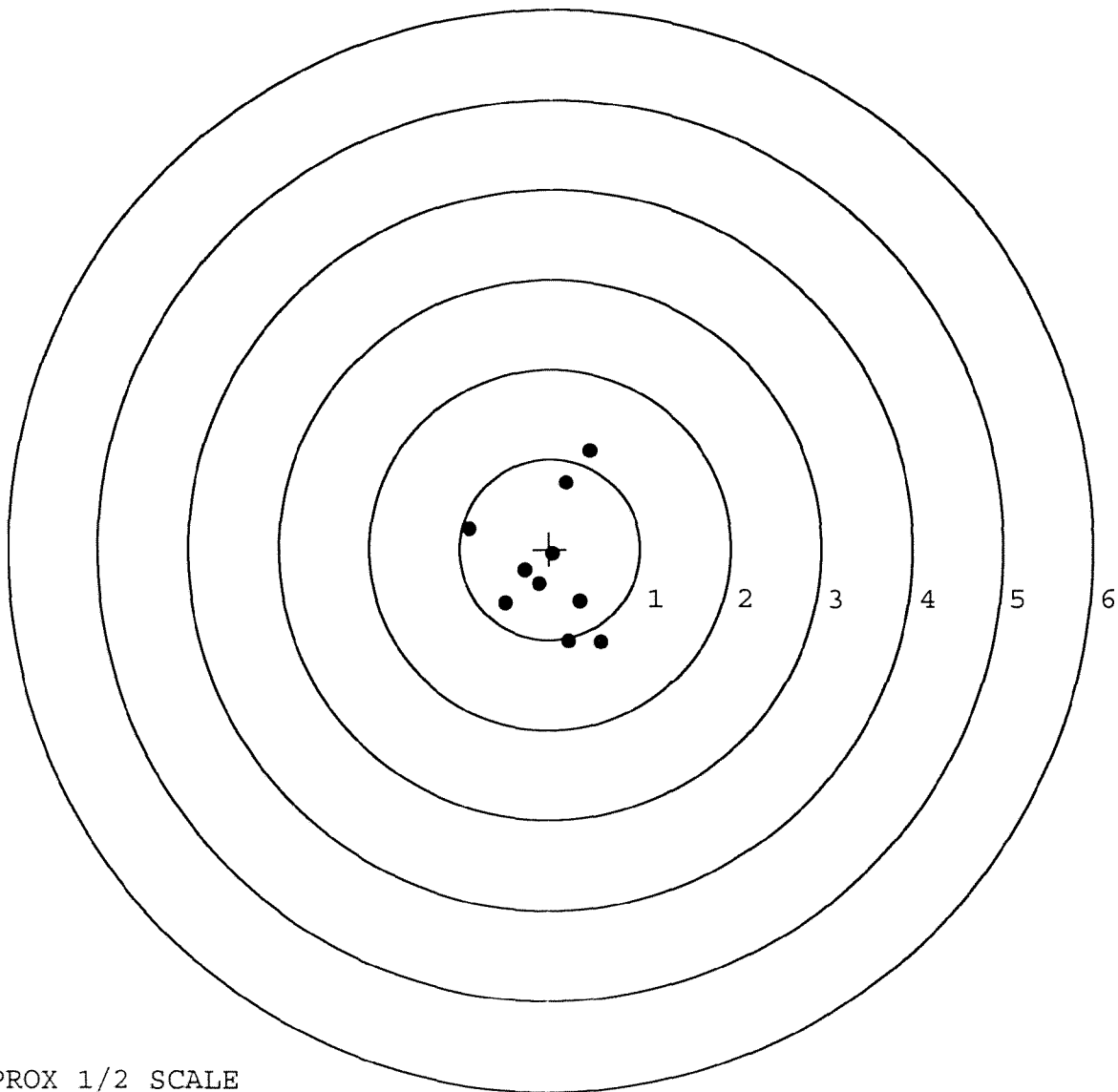
TARGET APPROX 1/2 SCALE

BARBER - M24 0009363

SERIAL NUMBER: C6498876. __0
TARGET NUMBER: 4
FILE DATE: 08/15/2006
FILE TIME: 20:32

POINT#	X	Y
1:	0.441	1.093
2:	0.181	0.739
3:	-0.890	0.220
4:	0.572	-1.029
5:	0.219	-1.024
6:	0.335	-0.586
7:	0.034	-0.059
8:	-0.277	-0.240
9:	-0.486	-0.603
10:	-0.117	-0.392

X CENTROID: 0.001
Y CENTROID: -0.188
POA TO CENTROID: 0.188
HORZ SPREAD: 1.462
VERT SPREAD: 2.122
GROUP SPREAD: 2.129
MIN RADIUS: 0.133
MAX RADIUS: 1.354
MEAN RADIUS: 0.697
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

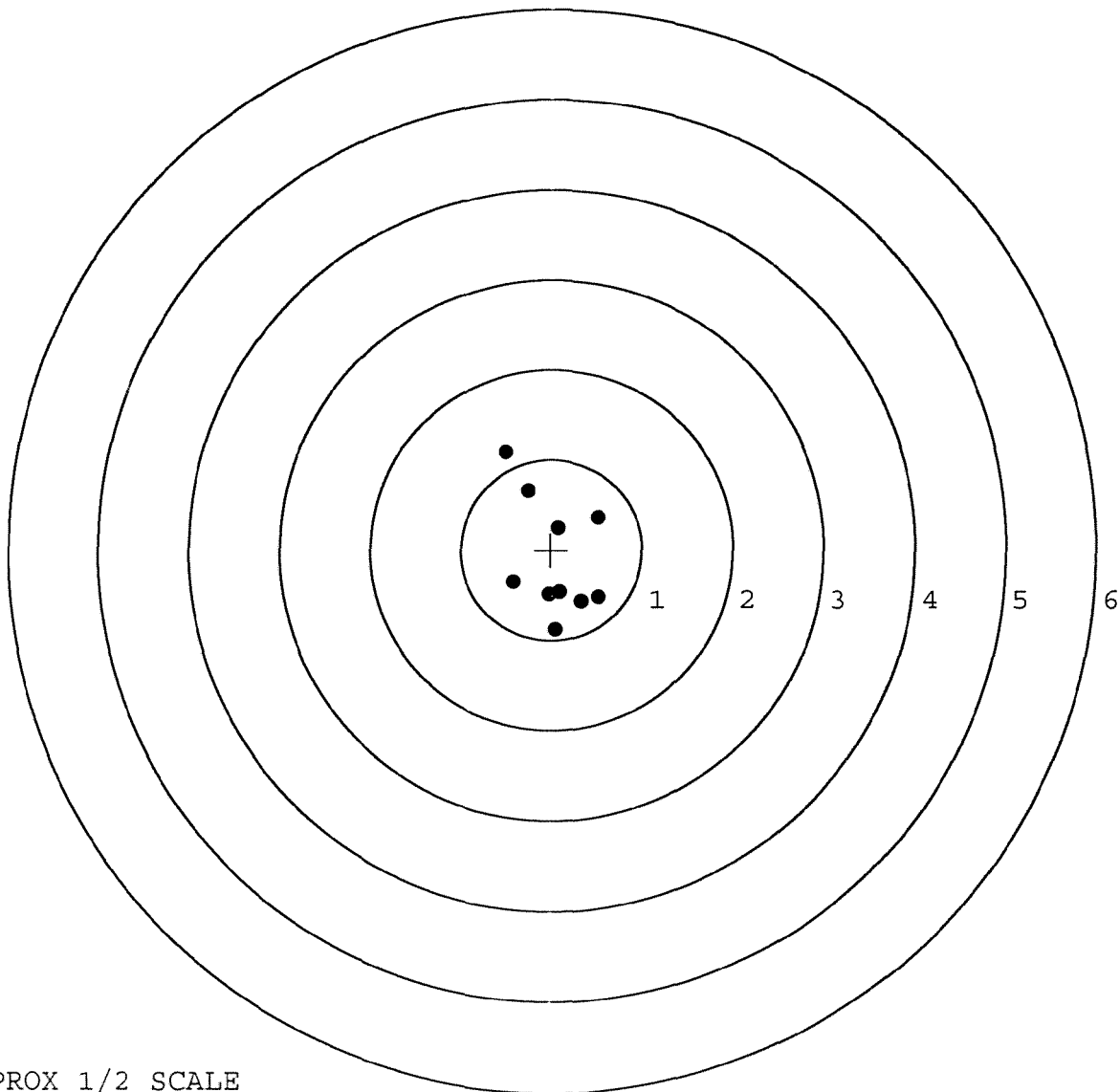
BARBER - M24 0009364

SERIAL NUMBER: C6498876. __0
TARGET NUMBER: 5
FILE DATE: 08/15/2006
FILE TIME: 20:32

X CENTROID: 0.040
Y CENTROID: -0.097
POA TO CENTROID: 0.105
HORZ SPREAD: 1.022
VERT SPREAD: 1.976
GROUP SPREAD: 2.052
MIN RADIUS: 0.339
MAX RADIUS: 1.298
MEAN RADIUS: 0.642

IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.500	1.084
2:	-0.256	0.655
3:	0.515	0.364
4:	0.076	0.240
5:	-0.418	-0.356
6:	0.522	-0.523
7:	0.052	-0.892
8:	0.337	-0.570
9:	0.097	-0.471
10:	-0.022	-0.498



TARGET APPROX 1/2 SCALE

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	114767		
SERIAL NUMBER	C6498876		
LOG-IN DATE	7-18-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-4-06	RTZ
505	RE-BARREL	8-8-06	RTZ
420	ASSEMBLE	8-8-06	RTZ
440	PROOF	8-9-06	BLG
460	CHECK HEADSPACE	8-9-06	BLG
470	DIS-ASSEMBLE GUN	8-9-06	BLG
480	MAGNAFLUX	8-11-06	APD
510	DRILL AND TAP	8-10-06	TRW
500	ROLLMARK CALIBER	8-11-06	CLW
520	GOFF BLAST BBL / REC	8-11-06	UB
530 & 540	APPLY COATINGS	8-13-06	RB
560	FINAL ASSEMBLY	8-15-06	RTZ
640	FUNCTION TEST AND	PASS FAIL	8-15-06 S.P.D.
650	TARGET	PASS FAIL	8-15-06 S.P.D.
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		8-17-06 mjm
	A) HEADSPACE	PASS FAIL	8-17-06 mjm
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS 2.79 2.79 2.80 2.67 2.52 8-16-06 RA	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX 4.5 4.5 4.2 8-16-06 RA	
	G) SAFETY OFF FORCE	2 LBS MIN 2.2 2.2 2.2 8-16-06 RA	
	I) FIRING PIN INDENT	.020 .024 .023 .024 8-16-06 RA	
690	PACK	9-22-06 RA	

F006 REV 5/2006

BARREL ASSEMBLY	STOCK ASSEMBLY
____ BARREL	____ STOCK
____ RECEIVER	____ SLING SWIVEL STUDS
____ FRONT SIGHT BASE	____
____ REAR SIGHT BASE	____ BUTT PATE
____ SCREWS	____ LOCK NUTS
____ FINISH	____ BARREL CLEARANCE
	____ COLOR / FINISH
SCOPE ASSEMBLY	SYSTEM CASE
____ SCOPE	____ SCOPE CASE
____ SCOPE RINGS	____ IRON SIGHTS
____ MOUNTING SCREWS	____ DEPLOYMENT KIT
____ MOUNTING BASE	
____ SCREWS	TRIGGER ASSEMBLY
____ FINISH	____ SAFETY OPERATION
____ CLARITY	____ RE-SET TO FACTORY SPECS
COMMENTS: _____	

F006 REV 5/2006

Remington DU PONT REG. U.S. PAT. & TM. OFF.		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ M24		SERIAL NO. C6498876
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716



5716 C6498876



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498876

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	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		5/21/90	KCR
	Magnaflux Bolt		5/22/90	KCR
615	Rollmark Caliber		5/22/90	GS
617	Drill and Tap Sight Holes		5/23/90	FB
618	Polish Barrel RB		5/24/90	WB
620	Apply Coatings (Barrel Action)		5/24/90	TH
	Apply Coating (Bolt)		5/24/90	TH
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		6/8/90	ML

BARBER - M24 0009369

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			6/11/90	WB
	G) Safety Off Force	2	2	2			6/11/90	WB
	H) Trigger Pull Test & Retainability						6/8/90	JH
	I) Firing Pin Indent	.023	.023	.023			6/11/90	WB
	J) Assemble Stock						6/11/90	RW
	K) Assemble Swivel Studs						6/13/90	JH
	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	JH
	P) Detach & Attach Scope 20 Times						6/11/90	JH
640	Gallery Target & Test						6-11-90	DH
	A) Time						6-11-90	DH
	B) Malfunctions						6-11-90	DH
	C) Pierced Primers						6-11-90	DH
	D) Optical Clarity of Scope						6-11-90	DH
645	Inspect for Live Ammo						6-11-90	DH
655	Final Inspection							
	A) Headspace						4/13/90	JH
	B) Trigger Pull	2.37	2.18	2.13	2.10	2.10	6/13/90	JH
	C) Function						4/13/90	JH
660	Pack						6-19-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06498876DATE 6/8/90TESTER RL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.24	2.29	2.30	2.37	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.33	2.22	2.18	
PULL #3	2.23	2.15	2.35	2.13	
PULL #4	2.23	2.24	2.20	2.10	
PULL #5	2.27	2.22	2.25	2.10	
TOTAL	11.32	11.23	11.32		
AVG.	2.264	2.246	2.264		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.10		
PULL #2	3.25	3.25		
PULL #3	3.08	3.21		
PULL #4	3.16	3.29		
PULL #5	3.27	3.26		
TOTAL	15.98	16.11		
AVG.	3.196	3.222		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.50	4.41		4.45
PULL #2	4.19	4.35		4.42
PULL #3	4.38	4.42		4.49
PULL #4	4.47	4.42		4.48
PULL #5	4.41	4.34		4.41
TOTAL	21.95	21.94		22.25
AVG.	4.39	4.388		4.45

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06498876
12 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.582238
1 TO	2	.658065
1 TO	3	.516467
1 TO	4	.5008
1 TO	5	.601632

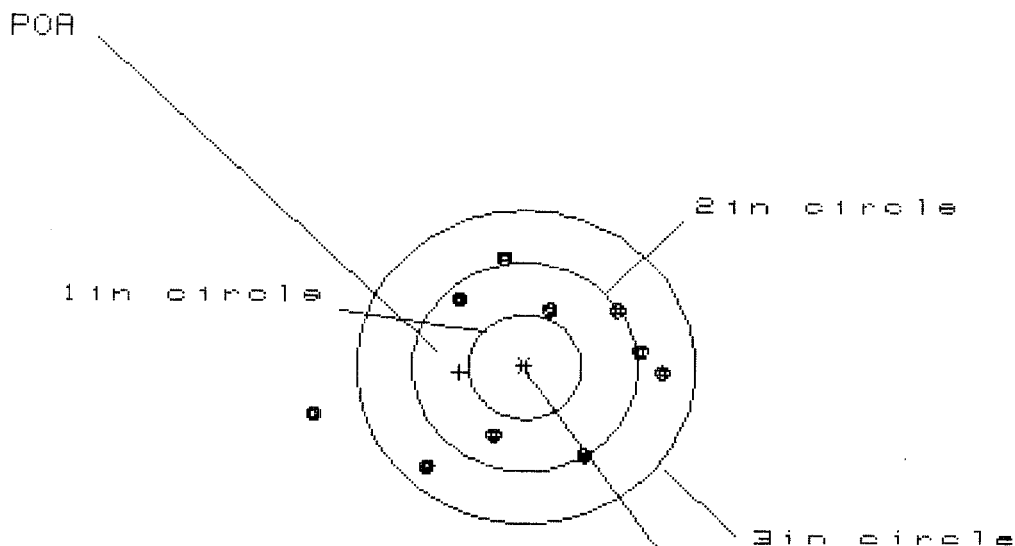
+ 1 <----POA
2

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4062
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.3302
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .523479
THE AMR FOR THIS RIFLE IS: .8014

11 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498876

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 9

HS= 3.040

VS= 2.041

GS= 3.065

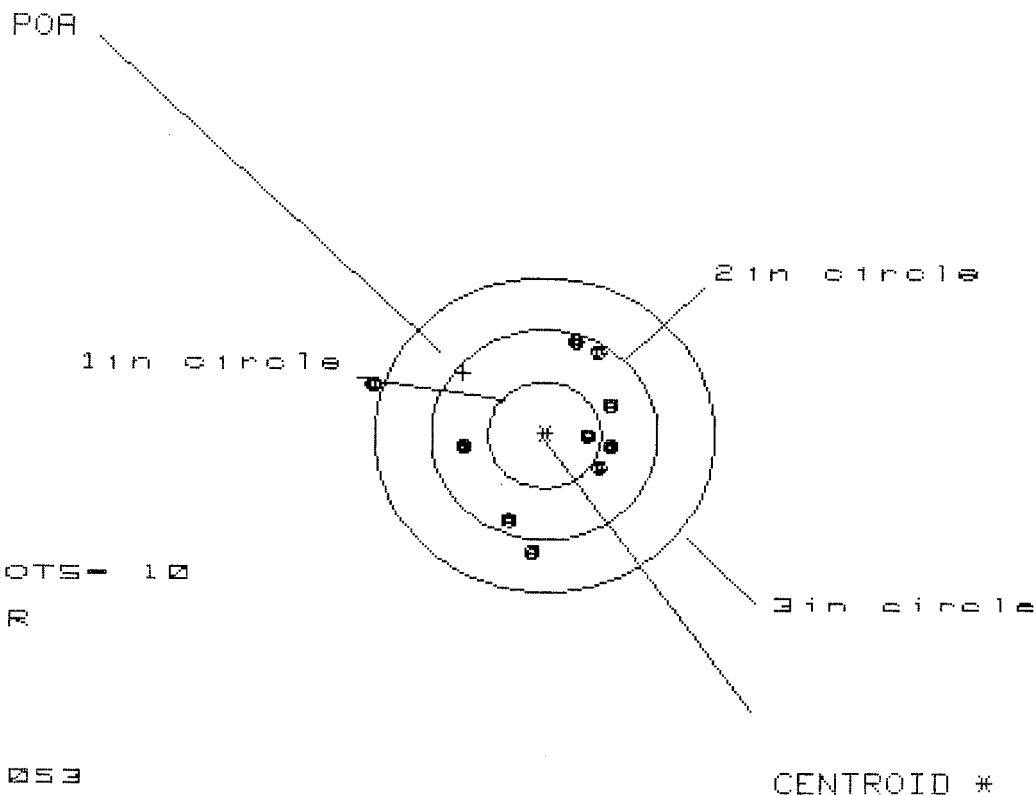
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.184	.978	.842
MINIMUM X	:	-1.856	-1.091	-.935
MAXIMUM Y	:	1.068	1.020	.893
MINIMUM Y	:	-.973	-1.021	-1.051
CENTROID X	:	.580	.786	.922
CENTROID Y	:	.051	.099	.226
POA TO CENTROID in.	:	.582	.792	.949
MIN RADIUS	:	.638	.537	.415
MEAN RADIUS	:	1.070	.944	.838
MAX RADIUS	:	1.904	1.494	1.067
HORIZONTAL SPREAD	:	3.040	2.069	1.777
VERTICAL SPREAD	:	2.041	2.041	1.944
EXTREME SPREAD	:	3.065	2.271	2.085
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	9		

11 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498876

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 8

3 in = 9

HS = 2.053

VS = 1.938

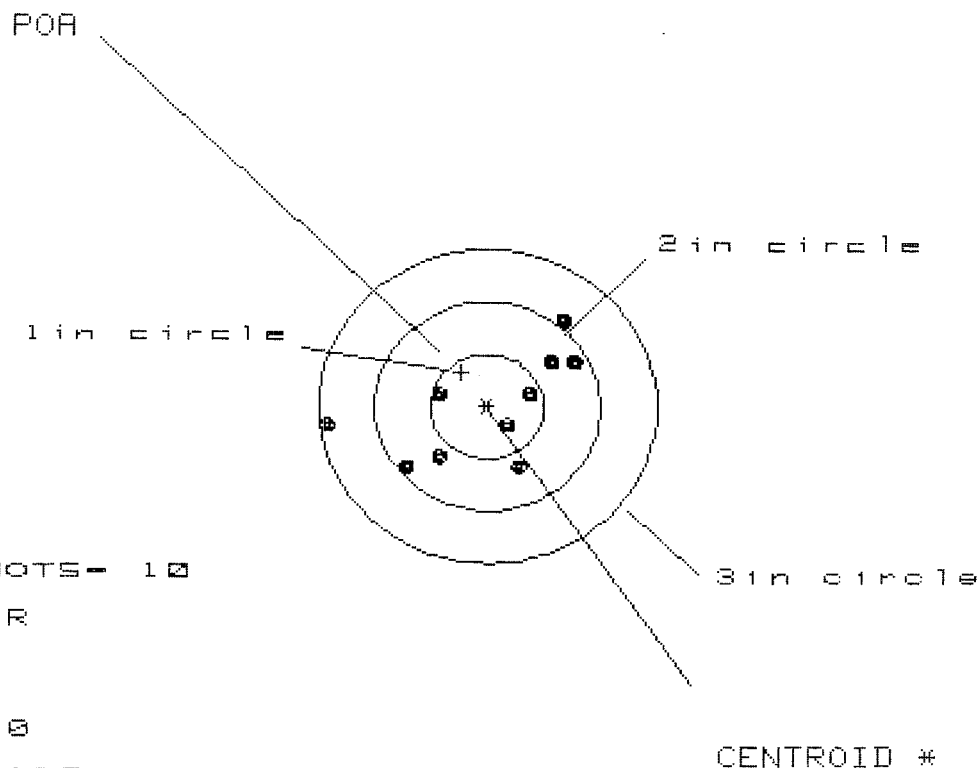
GS = 2.123

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.572	.407	.370
MINIMUM X	:	-1.481	-.927	-.964
MAXIMUM Y	:	.879	.930	.804
MINIMUM Y	:	-1.059	-1.008	-.922
CENTROID X	:	.720	.885	.922
CENTROID Y	:	-.592	-.643	-.517
POA TO CENTROID in.	:	.932	1.093	1.057
MIN RADIUS	:	.371	.213	.184
MEAN RADIUS	:	.826	.698	.635
MAX RADIUS	:	1.549	1.052	1.063
HORIZONTAL SPREAD	:	2.053	1.334	1.334
VERTICAL SPREAD	:	1.938	1.938	1.726
EXTREME SPREAD	:	2.123	1.978	1.823
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498876

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS= 2.187

VS= 1.436

GS= 2.314

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.792	.637	.705
MINIMUM X	:	-1.395	-.854	-.786
MAXIMUM Y	:	.829	.811	.523
MINIMUM Y	:	-.607	-.625	-.523
CENTROID X	:	.227	.382	.314
CENTROID Y	:	-.326	-.308	-.410
POA TO CENTROID in.	:	.397	.491	.516
MIN RADIUS	:	.265	.216	.145
MEAN RADIUS	:	.736	.640	.589
MAX RADIUS	:	1.404	1.016	.906
HORIZONTAL SPREAD	:	2.187	1.491	1.491
VERTICAL SPREAD	:	1.436	1.436	1.046
EXTREME SPREAD	:	2.314	1.950	1.766
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			10	

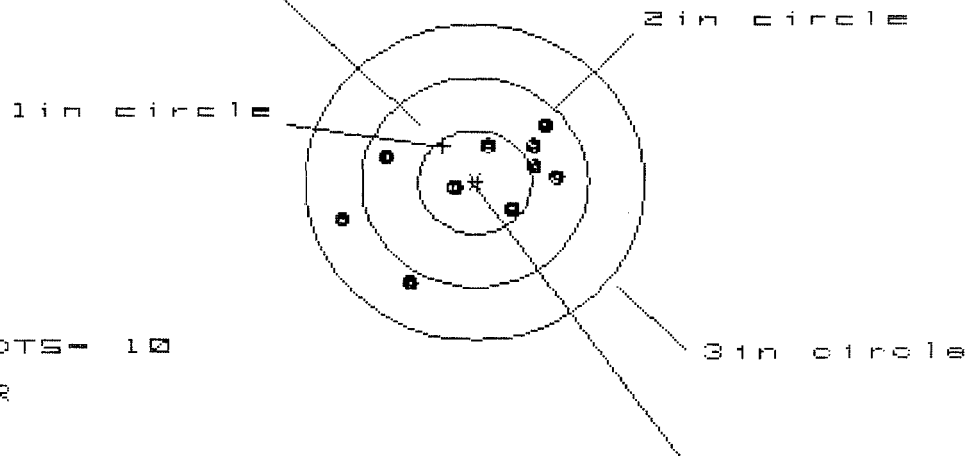
11 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498876

CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS= 1.829

VS= 1.530

GS= 1.970

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.675	.547	.454
MINIMUM X	:	-1.154	-.949	-1.042
MAXIMUM Y	:	.554	.514	.387
MINIMUM Y	:	-.976	-1.016	-.404
CENTROID X	:	.280	.408	.501
CENTROID Y	:	-.350	-.310	-.183
POA TO CENTROID in.	:	.448	.513	.534
MIN RADIUS	:	.198	.273	.179
MEAN RADIUS	:	.682	.592	.471
MAX RADIUS	:	1.209	1.260	1.047
HORIZONTAL SPREAD	:	1.829	1.496	1.496
VERTICAL SPREAD	:	1.530	1.530	.791
EXTREME SPREAD	:	1.970	1.949	1.517
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 9

HS= 1.599

VS= 2.719

GS= 2.993

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.664	.560	.586
MINIMUM X	:	-.935	-.681	-.655
MAXIMUM Y	:	1.175	1.004	.632
MINIMUM Y	:	-1.544	-.567	-.442
CENTROID X	:	.224	.328	.302
CENTROID Y	:	-.434	-.263	-.388
POA TO CENTROID in.	:	.489	.420	.492
MIN RADIUS	:	.180	.185	.205
MEAN RADIUS	:	.693	.557	.485
MAX RADIUS	:	1.805	1.026	.790
HORIZONTAL SPREAD	:	1.599	1.241	1.241
VERTICAL SPREAD	:	2.719	1.571	1.074
EXTREME SPREAD	:	2.993	1.808	1.438
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	