

C6498754

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington

M2400007099

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Smead[®]

☐ Address Information

FEL: [] [] [] [] [] []

Repair Search

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Close

start 2 Microso... Part Search... 5 Interne... RAC0179-R... Arms Servic... 7:31 AM

Serial
Number: C6498754

Model: M24 SWS



RE00115156

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498754.__0
FILE DATE AND TIME: 08/15/2006 20:59

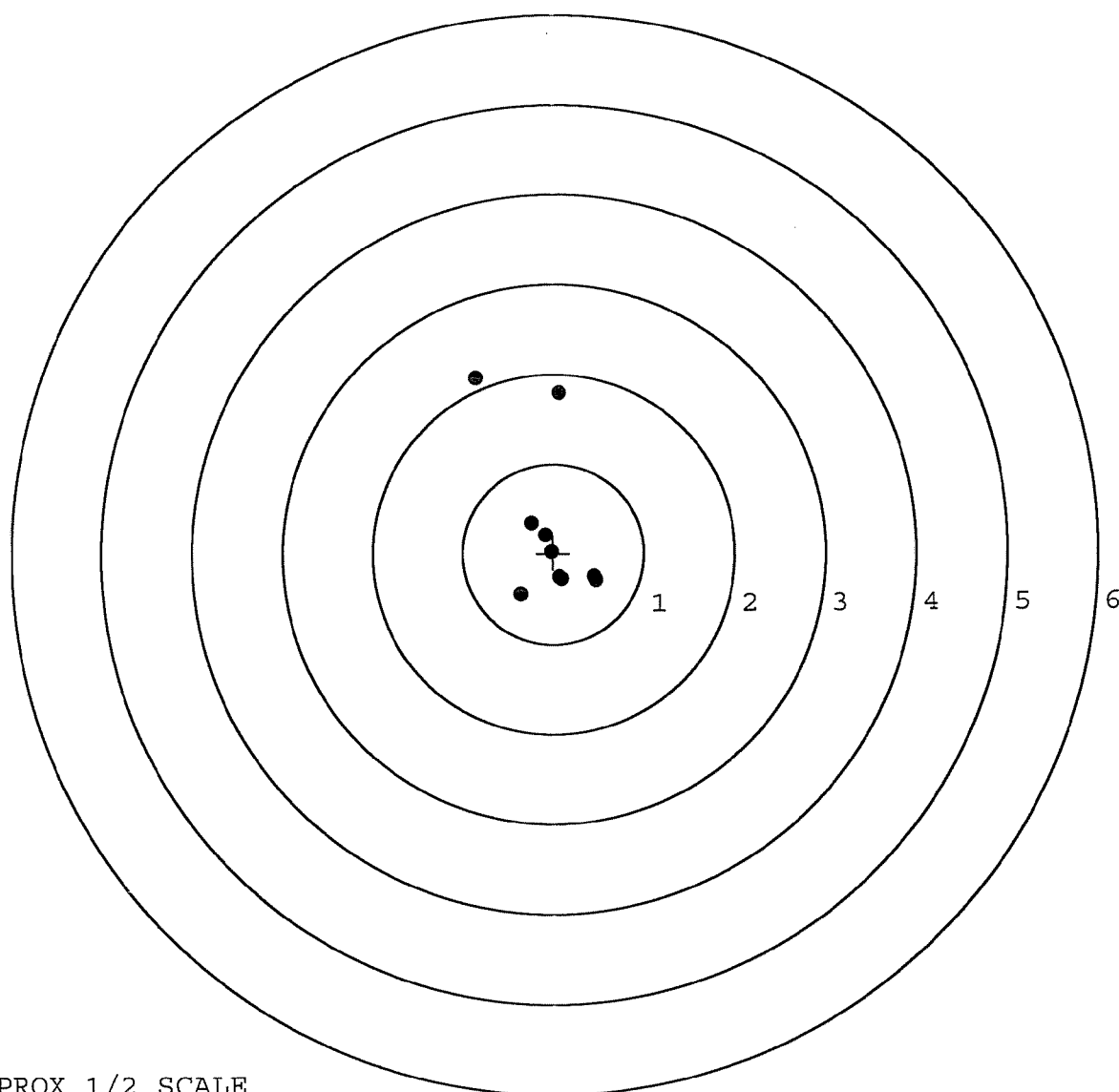
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.023
The Average Y Centroid of the Five Target Set:	0.060
The Average Point of Impact of the Five Target Set:	0.064
The Average Mean Radius of the Five Target Set:	0.807
The Distance from POA to Centroid Target #1:	0.275
The Distance from Centroid Target #2 to Centroid Target #1:	0.078
The Distance from Centroid Target #3 to Centroid Target #1:	0.307
The Distance from Centroid Target #4 to Centroid Target #1:	0.301
The Distance from Centroid Target #5 to Centroid Target #1:	0.395

SERIAL NUMBER: C6498754. __0
TARGET NUMBER: 1
FILE DATE: 08/15/2006
FILE TIME: 20:59

POINT#	X	Y
1:	-0.854	1.957
2:	0.069	1.790
3:	-0.240	0.334
4:	-0.093	0.203
5:	-0.020	0.015
6:	-0.362	-0.457
7:	0.098	-0.291
8:	0.472	-0.302
9:	0.070	-0.270
10:	0.450	-0.264

X CENTROID: -0.041
Y CENTROID: 0.271
POA TO CENTROID: 0.275
HORZ SPREAD: 1.326
VERT SPREAD: 2.414
GROUP SPREAD: 2.619
MIN RADIUS: 0.086
MAX RADIUS: 1.871
MEAN RADIUS: 0.737
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 8

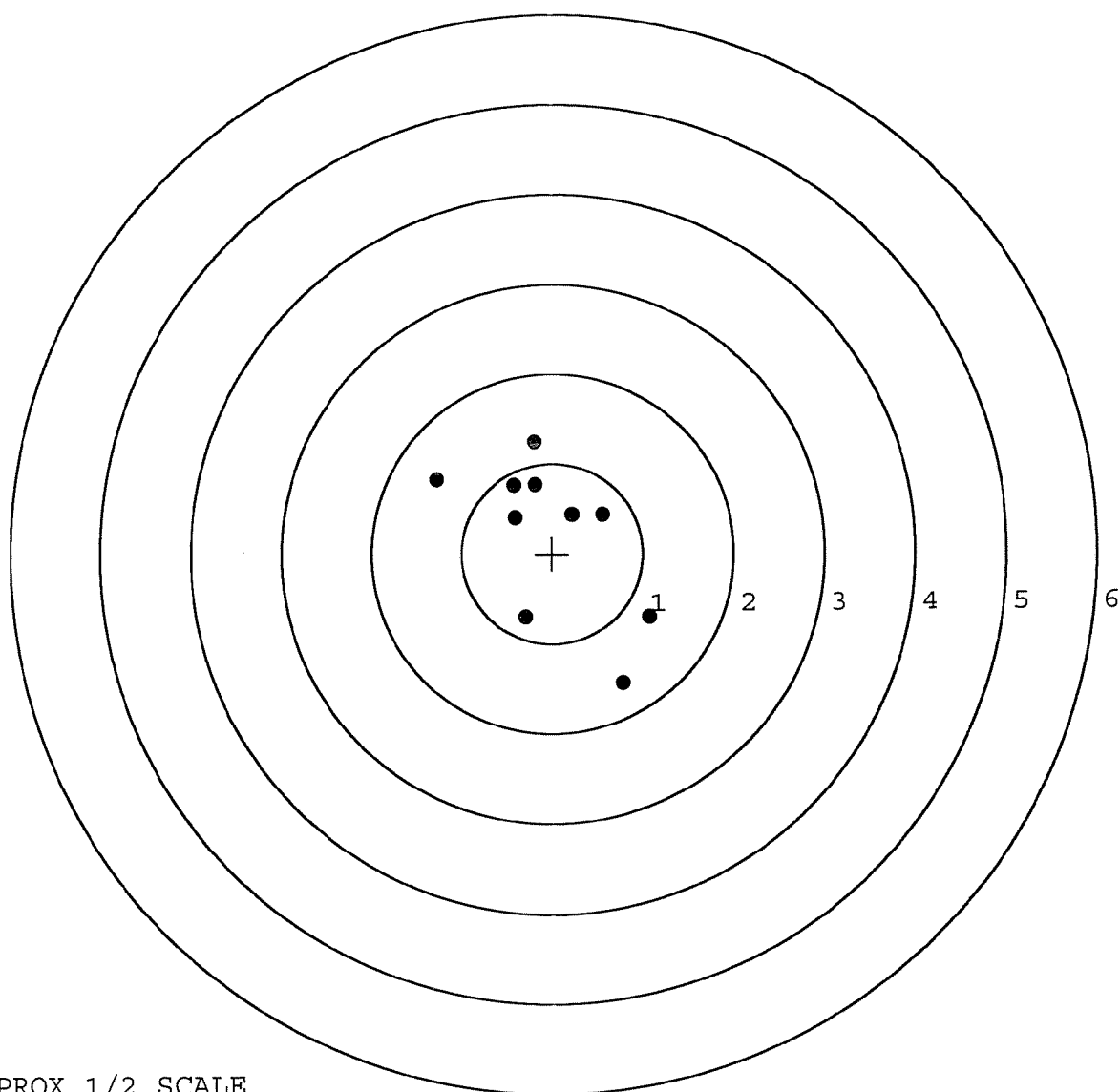


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498754. __0
TARGET NUMBER: 2
FILE DATE: 08/15/2006
FILE TIME: 20:59

X CENTROID: -0.016
Y CENTROID: 0.198
POA TO CENTROID: 0.199
HORZ SPREAD: 2.342
VERT SPREAD: 2.683
GROUP SPREAD: 3.056
MIN RADIUS: 0.336
MAX RADIUS: 1.823
MEAN RADIUS: 0.933
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.068	-0.711
2:	0.777	-1.443
3:	-0.298	-0.709
4:	0.559	0.433
5:	0.226	0.431
6:	-1.274	0.823
7:	-0.198	1.240
8:	-0.190	0.762
9:	-0.420	0.758
10:	-0.410	0.396



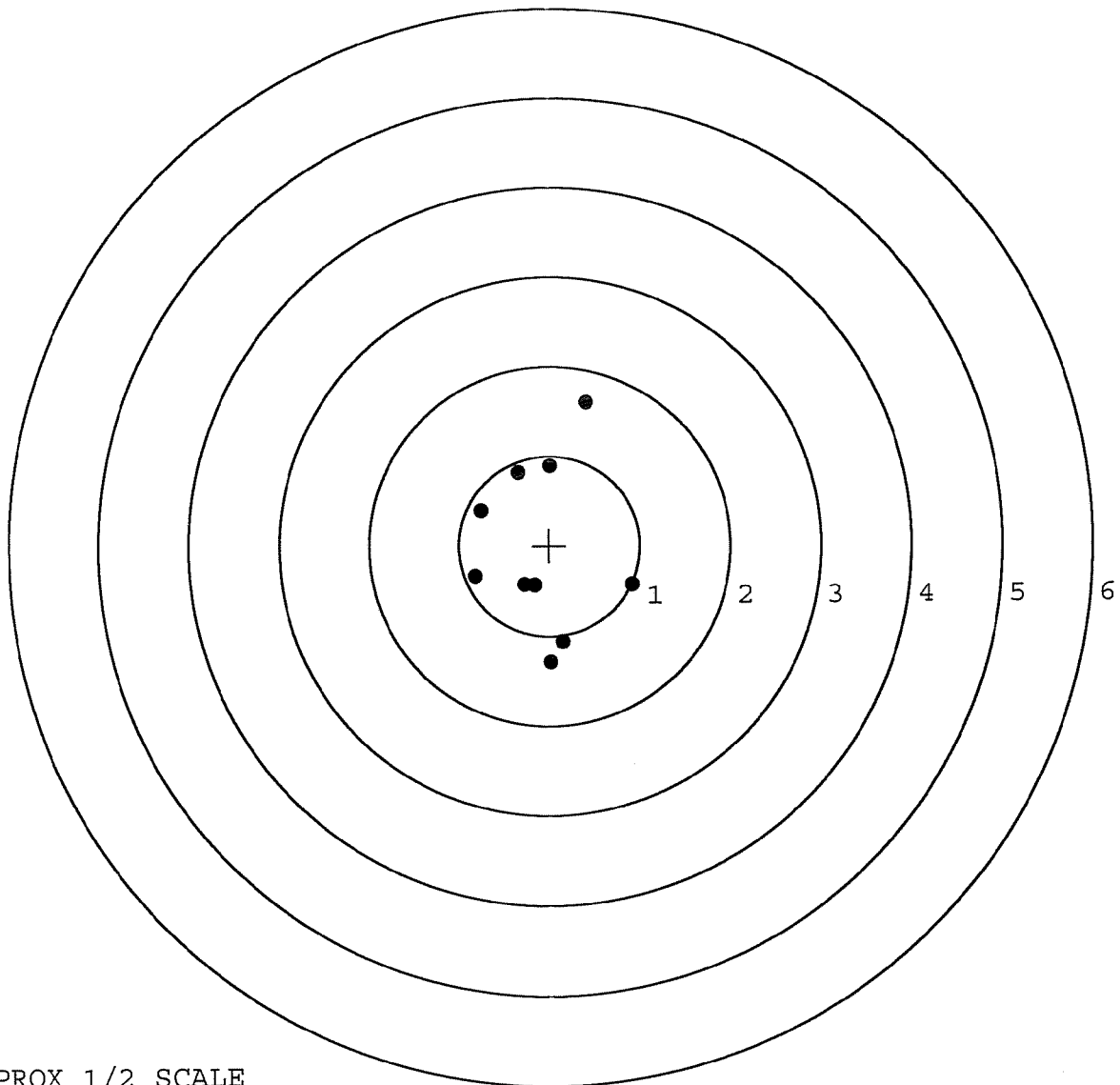
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498754. __0
TARGET NUMBER: 3
FILE DATE: 08/15/2006
FILE TIME: 20:59

X CENTROID: -0.086
Y CENTROID: -0.033
POA TO CENTROID: 0.092
HORZ SPREAD: 1.742
VERT SPREAD: 2.892
GROUP SPREAD: 2.918
MIN RADIUS: 0.416
MAX RADIUS: 1.701
MEAN RADIUS: 0.939

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.409	1.595
2:	0.013	0.893
3:	-0.342	0.814
4:	-0.758	0.391
5:	-0.825	-0.341
6:	0.917	-0.435
7:	-0.164	-0.441
8:	0.152	-1.067
9:	0.018	-1.297
10:	-0.276	-0.437

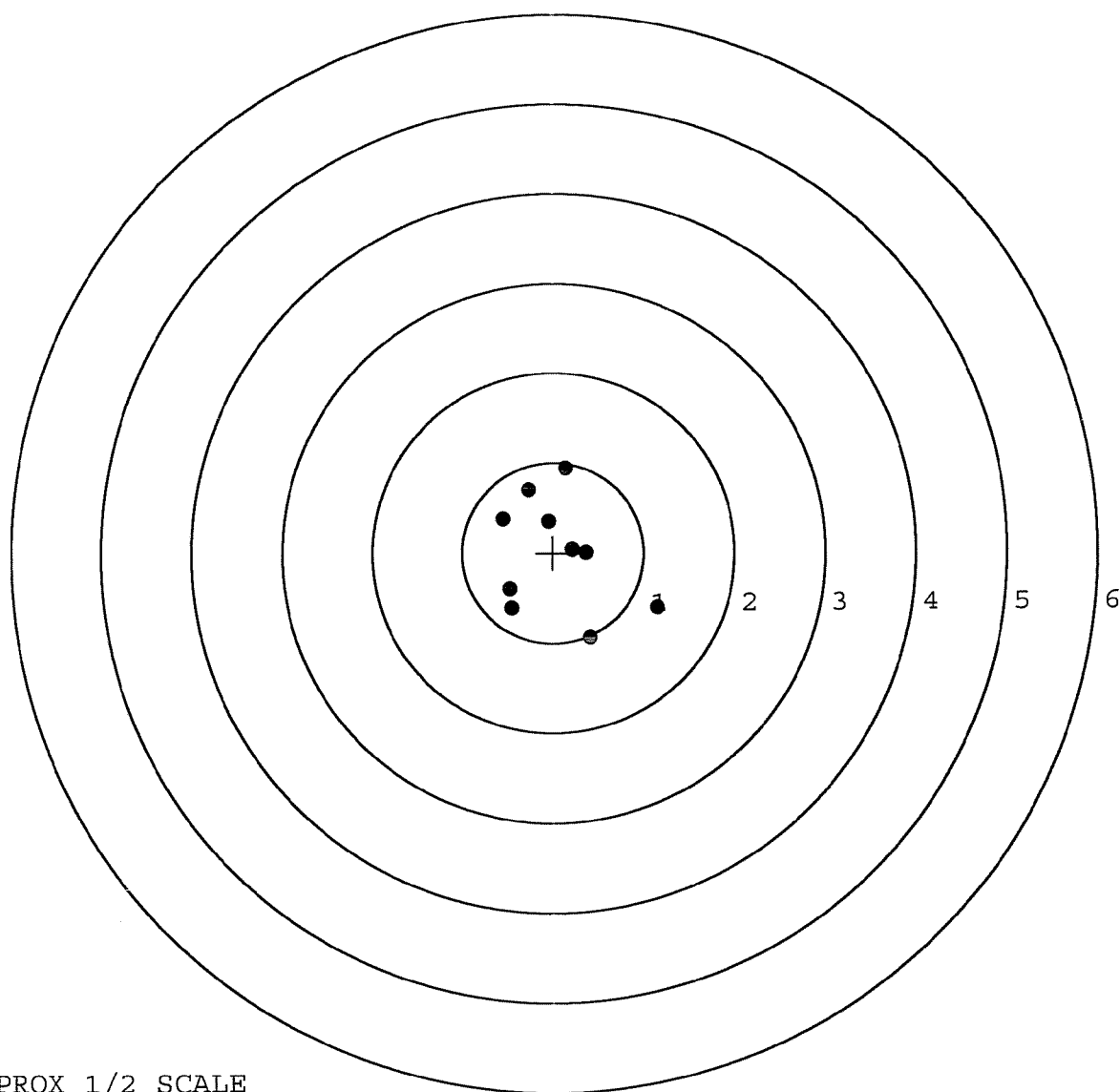


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498754. 0
TARGET NUMBER: 4
FILE DATE: 08/15/2006
FILE TIME: 20:59

POINT#	X	Y
1:	0.141	0.939
2:	-0.273	0.698
3:	-0.551	0.378
4:	-0.053	0.352
5:	0.362	0.002
6:	1.151	-0.607
7:	0.408	-0.943
8:	-0.457	-0.617
9:	-0.479	-0.400
10:	0.217	0.035

X CENTROID: 0.047
Y CENTROID: -0.016
POA TO CENTROID: 0.049
HORZ SPREAD: 1.702
VERT SPREAD: 1.882
GROUP SPREAD: 1.966
MIN RADIUS: 0.178
MAX RADIUS: 1.252
MEAN RADIUS: 0.702
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

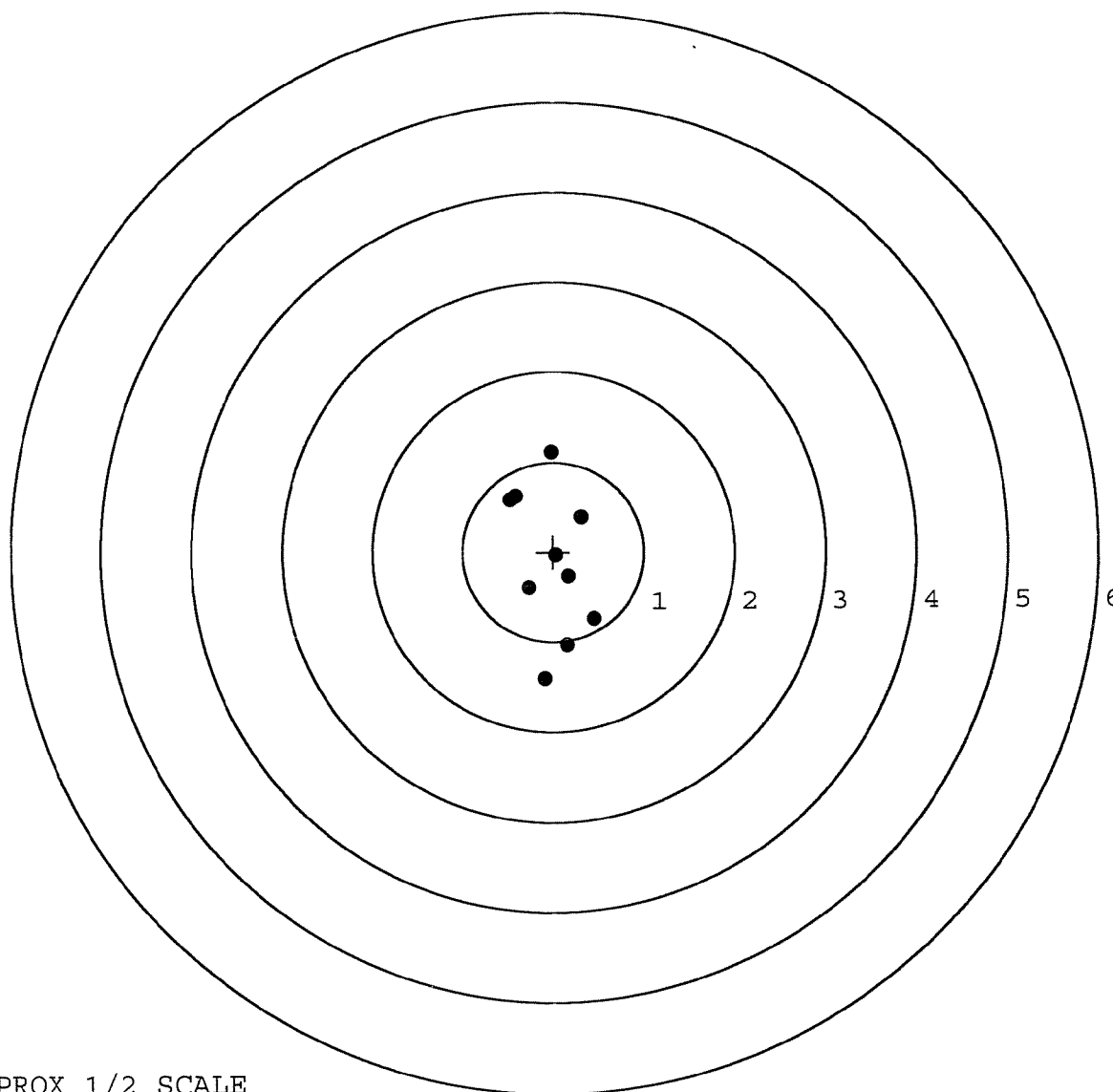


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498754. __0
 TARGET NUMBER: 5
 FILE DATE: 08/15/2006
 FILE TIME: 20:59

POINT#	X	Y
1:	-0.026	1.109
2:	-0.478	0.584
3:	0.308	0.387
4:	0.033	-0.036
5:	0.168	-0.279
6:	-0.273	-0.404
7:	0.453	-0.748
8:	0.155	-1.043
9:	-0.096	-1.416
10:	-0.419	0.622

X CENTROID: -0.018
 Y CENTROID: -0.122
 POA TO CENTROID: 0.124
 HORZ SPREAD: 0.931
 VERT SPREAD: 2.525
 GROUP SPREAD: 2.526
 MIN RADIUS: 0.100
 MAX RADIUS: 1.296
 MEAN RADIUS: 0.726
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24
INSPECTION CHECKLIST - REPAIRS
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	115156				
SERIAL NUMBER	06498754				
LOG-IN DATE	7-31-06				
OPERATION #	OPERATION NAME		DATE	INITIAL	
500	DIS-ASSEMBLE GUN		8-7-06	RTZ	
505	RE-BARREL		8-8-06	RTZ	
420	ASSEMBLE		8-8-06	RTZ	
440	PROOF	MAGNA-FLUX INSPECTED	8-9-06	BLC	
460	CHECK HEADSPACE	AUG 11 2006	8-9-06	BLC	
470	DIS-ASSEMBLE GUN		8-9-06	BLC	
480	MAGNAFLUX	OPERATOR <u>APD</u>	8-11-06	APD	
510	DRILL AND TAP		8-10-06	TRL	
500	ROLLMARK CALIBER		8-11-06	CW	
520	GOFF BLAST BBL / REC		8-11-06	UB	
530 & 540	APPLY COATINGS		8/13/06	TR	
560	FINAL ASSEMBLY		8-15-06	RTZ	
640	FUNCTION TEST AND	<u>PASS</u> FAIL	8-15-06	L.P.D.	
650	TARGET	<u>PASS</u> FAIL	8-15-06	L.P.D.	
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION			
670	FINAL INSPECTION		8-17-06	MTM	
	A) HEADSPACE	<u>PASS</u> FAIL	8-17-06	MTM	
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.80 2.70 2.80 2.85 2.85 8-16-06	NA	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5.0 4.5 5.0 8-16-06	NA	
	G) SAFETY OFF FORCE	2 LBS MIN	2.0 2.0 2.0 8-16-06	NA	
	I) FIRING PIN INDENT	.020	.025 .025 .025 8-16-06	NA	
690	PACK		8-22-06	NA	

F006 REV 5/2006

FINAL INSPECTION CHECKLIST

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[®]

MODEL 700[™] H24

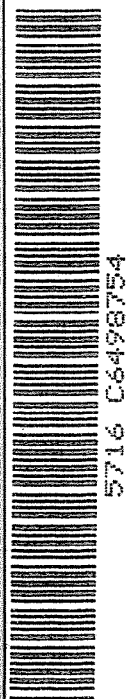
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

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

SERIAL NO.
C6498754

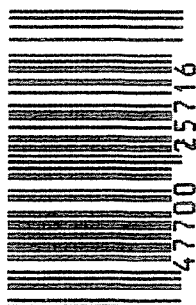
ORDER NO.
5716

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



5716 C6498754

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498754

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12 90		RW
600	Proof	4 12 90		K
607	Check Headspace	4 12 90		K
610	Dis-assemble Gun	4 12 90		RW
612	Magnaflux Barrel Action	4-19-90		KCR
	Magnaflux Bolt	4-19-90		KCR
615	Rollmark Caliber	4-19-90		GL
617	Drill and Tap Sight Holes		4/23/90	KB
618	Polish Barrel AB		7/24/90	WB
620	Apply Coatings (Barrel Action)		4/30/90	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/1/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/90	RW
	C) Inspect Ejector Hole for Chamfer		5/1/90	RW
	D) Oil Firing Pin Ass'y		5/1/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/15/90	94

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/15/90	JH
	G) Safety Off Force	2	2	2			5/15/90	JH
	H) Trigger Pull Test & Retainability						5/15/90	JH
	I) Firing Pin Indent	.023	.023	.023			5/15/90	JH
	J) Assemble Stock						5/16/90	RW
	K) Assemble Swivel Studs						5/13/90	JH
	L) Attach Front and Rear Sight Assemblies						5/16/90	RW
	M) Iron Sight Alignment						5/16/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/16/90	RW
	O) Attach Scope to Rifle						5/16/90	JH
	P) Detach & Attach Scope 20 Times						5/16/90	JH
640	Gallery Target & Test						5-17-90	AC
	A) Time						5-17-90	AC
	B) Malfunctions						5-17-90	AC
	C) Pierced Primers						5-17-90	AC
	D) Optical Clarity of Scope						5-17-90	AC
645	Inspect for Live Ammo						5-17-90	AC
655	Final Inspection A) Headspace						6/13/90	JH
	B) Trigger Pull	2.78	2.72	2.84	2.90	2.87	6/13/90	GS
	C) Function						6/13/90	JH
660	Pack						6-19-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06498754

DATE 5/14/90

TESTER JX

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.22	2.31	2.78	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.31	2.35	2.72	
PULL #3	2.24	2.55	2.43	2.84	
PULL #4	2.21	2.35	2.35	2.90	
PULL #5	2.20	2.32	2.32	2.87	
TOTAL	11.40	11.75	11.76		
AVG.	2.28	2.35	2.352		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.34		
PULL #2	3.45	3.27		
PULL #3	3.43	3.35		
PULL #4	3.53	3.33		
PULL #5	3.45	3.41		
TOTAL	17.19	16.70		
AVG.	3.438	3.34		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.48	4.47		4.39
PULL #2	4.37	4.48		4.50
PULL #3	4.42	4.22		4.50
PULL #4	4.36	4.35		4.43
PULL #5	4.51	4.40		4.29
TOTAL	22.14	21.92		22.11
AVG.	4.428	4.384		4.422

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498754
18 May 1990

CENTROIDAL DISTANCES

0 TO 1	.369818
1 TO 2	.165197
1 TO 3	.229401
1 TO 4	.0597746
1 TO 5	.27225

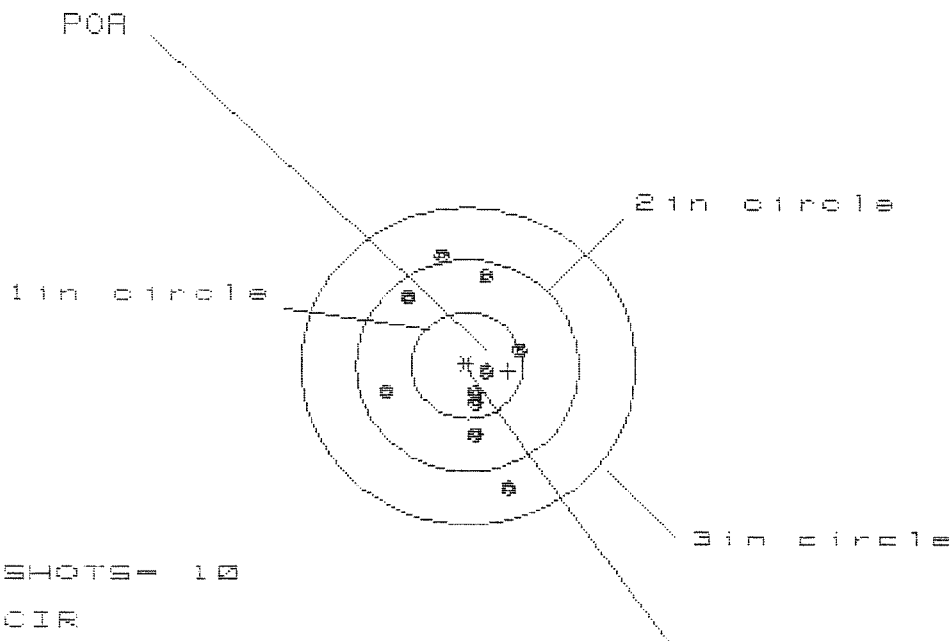
 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.4022
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1224
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .420412
THE AMR FOR THIS RIFLE IS: .8034

18 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498754

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS= 1.238

VS= 2.274

GS= 2.369

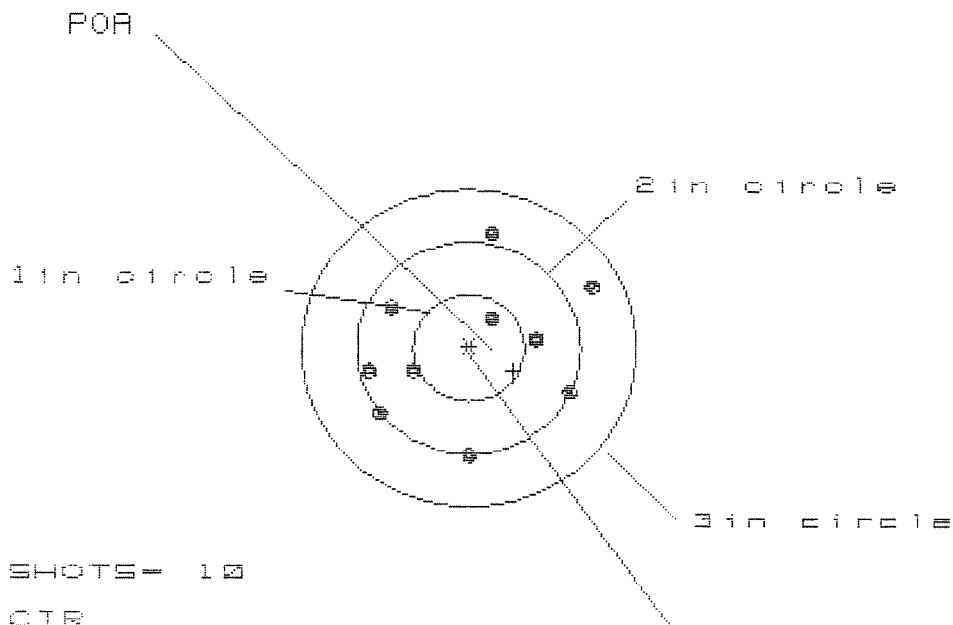
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.513	.559	.533
MINIMUM X	:	-.725	-.679	-.705
MAXIMUM Y	:	1.091	.960	.804
MINIMUM Y	:	-1.183	-.743	-.623
CENTROID X	:	-.366	-.412	-.386
CENTROID Y	:	.053	.184	.064
POA TO CENTROID in.	:	.370	.451	.392
MIN RADIUS	:	.173	.291	.196
MEAN RADIUS	:	.683	.639	.562
MAX RADIUS	:	1.253	.981	.840
HORIZONTAL SPREAD	:	1.238	1.238	1.238
VERTICAL SPREAD	:	2.274	1.703	1.427
EXTREME SPREAD	:	2.369	1.736	1.431
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

16 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/0649B754

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.005

VS= 2.138

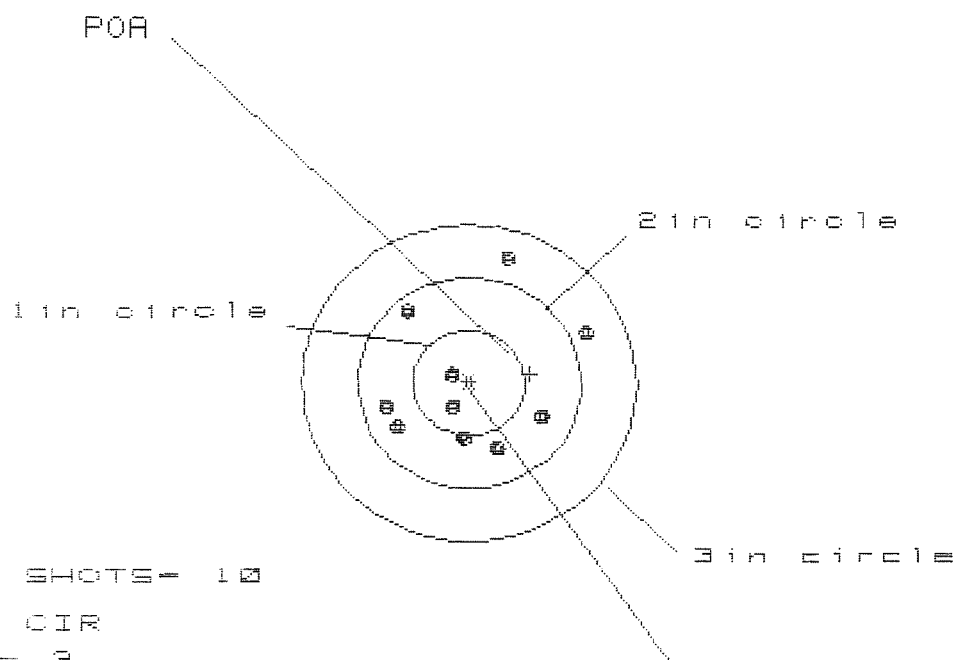
GS= 2.282

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.091	1.066	1.100
MINIMUM X	:	-.914	-.793	-.759
MAXIMUM Y	:	1.114	1.180	.640
MINIMUM Y	:	-1.024	-.958	-.810
CENTROID X	:	-.403	-.524	-.558
CENTROID Y	:	.214	.148	0.000
POA TO CENTROID in.	:	.456	.544	.558
MIN RADIUS	:	.377	.390	.308
MEAN RADIUS	:	.872	.819	.758
MAX RADIUS	:	1.242	1.212	1.115
HORIZONTAL SPREAD	:	2.005	1.859	1.859
VERTICAL SPREAD	:	2.138	2.138	1.450
EXTREME SPREAD	:	2.282	2.147	1.868
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

18 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B754

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 1.787

VS= 1.818

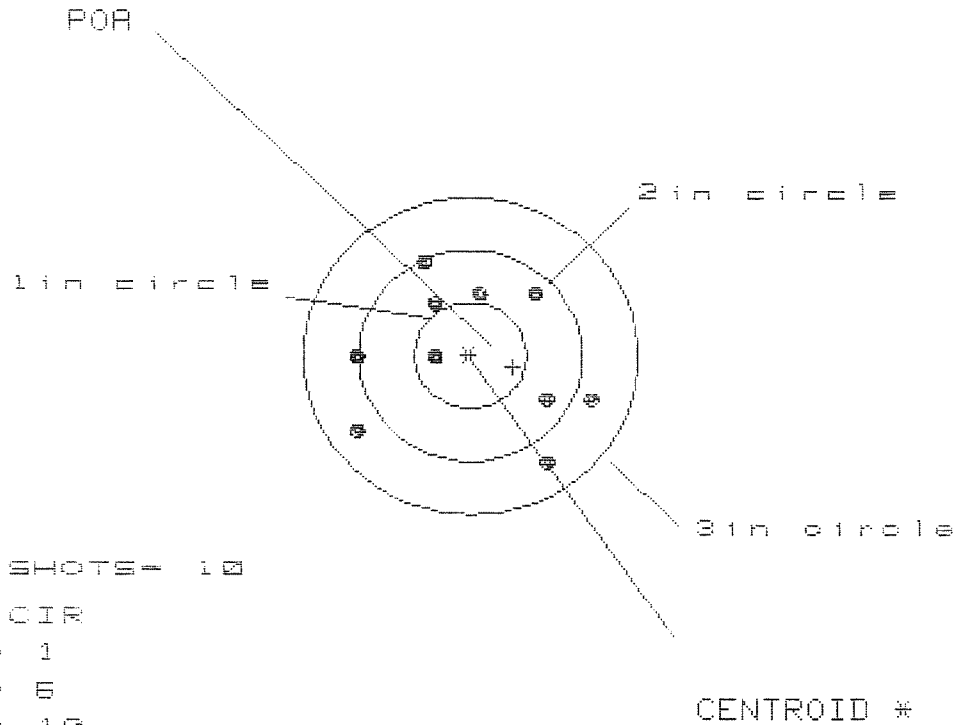
GS= 1.920

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.018	1.055	.804
MINIMUM X	:	-.769	-.732	-.600
MAXIMUM Y	:	1.175	.783	.860
MINIMUM Y	:	-.643	-.513	-.436
CENTROID X	:	-.550	-.587	-.719
CENTROID Y	:	-.084	-.214	-.291
POA TO CENTROID in.	:	.557	.625	.776
MIN RADIUS	:	.123	.131	.029
MEAN RADIUS	:	.705	.617	.510
MAX RADIUS	:	1.222	1.219	.927
HORIZONTAL SPREAD	:	1.787	1.787	1.404
VERTICAL SPREAD	:	1.818	1.296	1.296
EXTREME SPREAD	:	1.920	1.920	1.531
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

18 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498754

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 2.090

VS= 1.915

GS= 2.227

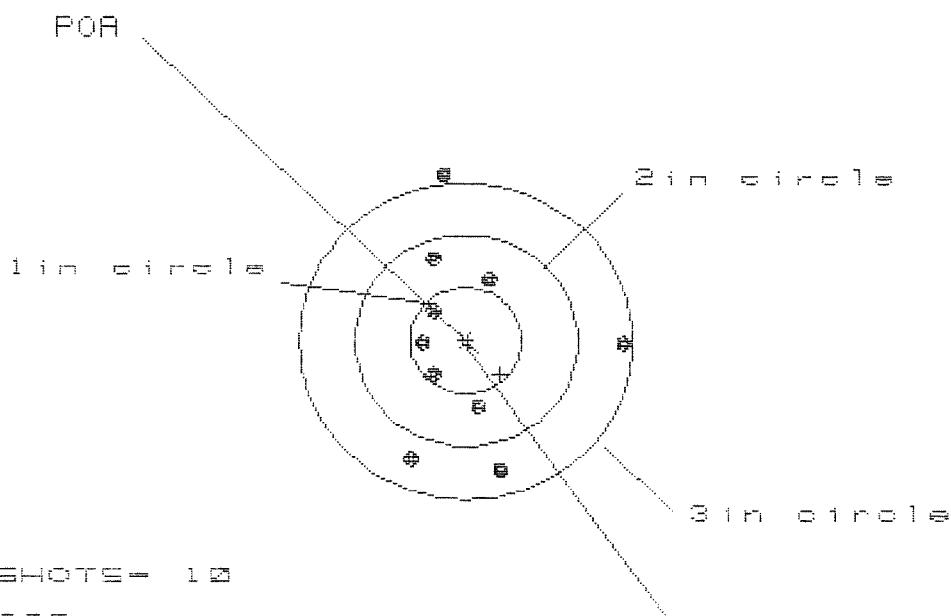
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.055	1.133	1.018
MINIMUM X	:	-1.035	-.957	-1.071
MAXIMUM Y	:	.865	.749	.649
MINIMUM Y	:	-1.050	-.792	-.667
CENTROID X	:	-.384	-.462	-.348
CENTROID Y	:	.110	.226	.326
POR TO CENTROID in.	:	.400	.515	.476
MIN RADIUS	:	.304	.249	.397
MEAN RADIUS	:	.876	.804	.741
MAX RADIUS	:	1.263	1.268	1.218
HORIZONTAL SPREAD	:	2.090	2.090	2.090
VERTICAL SPREAD	:	1.915	1.541	1.317
EXTREME SPREAD	:	2.227	2.139	2.139
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

18 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/CB49B754

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 1.896

VS= 2.814

GS= 2.853

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.391	1.368	.407
MINIMUM X	:	-.504	-.528	-.357
MAXIMUM Y	:	1.569	.964	.982
MINIMUM Y	:	-1.245	-1.071	-1.053
CENTROID X	:	-.308	-.285	-.456
CENTROID Y	:	.319	.145	.127
POA TO CENTROID in.	:	.444	.320	.474
MIN RADIUS	:	.385	.327	.173
MEAN RADIUS	:	.881	.799	.689
MAX RADIUS	:	1.583	1.376	1.129
HORIZONTAL SPREAD	:	1.896	1.896	.764
VERTICAL SPREAD	:	2.814	2.035	2.035
EXTREME SPREAD	:	2.853	2.176	2.119
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	