C6498763

(START DATE 6/21/87)

MODEL 700 TM M24

Model SWS TM

Action

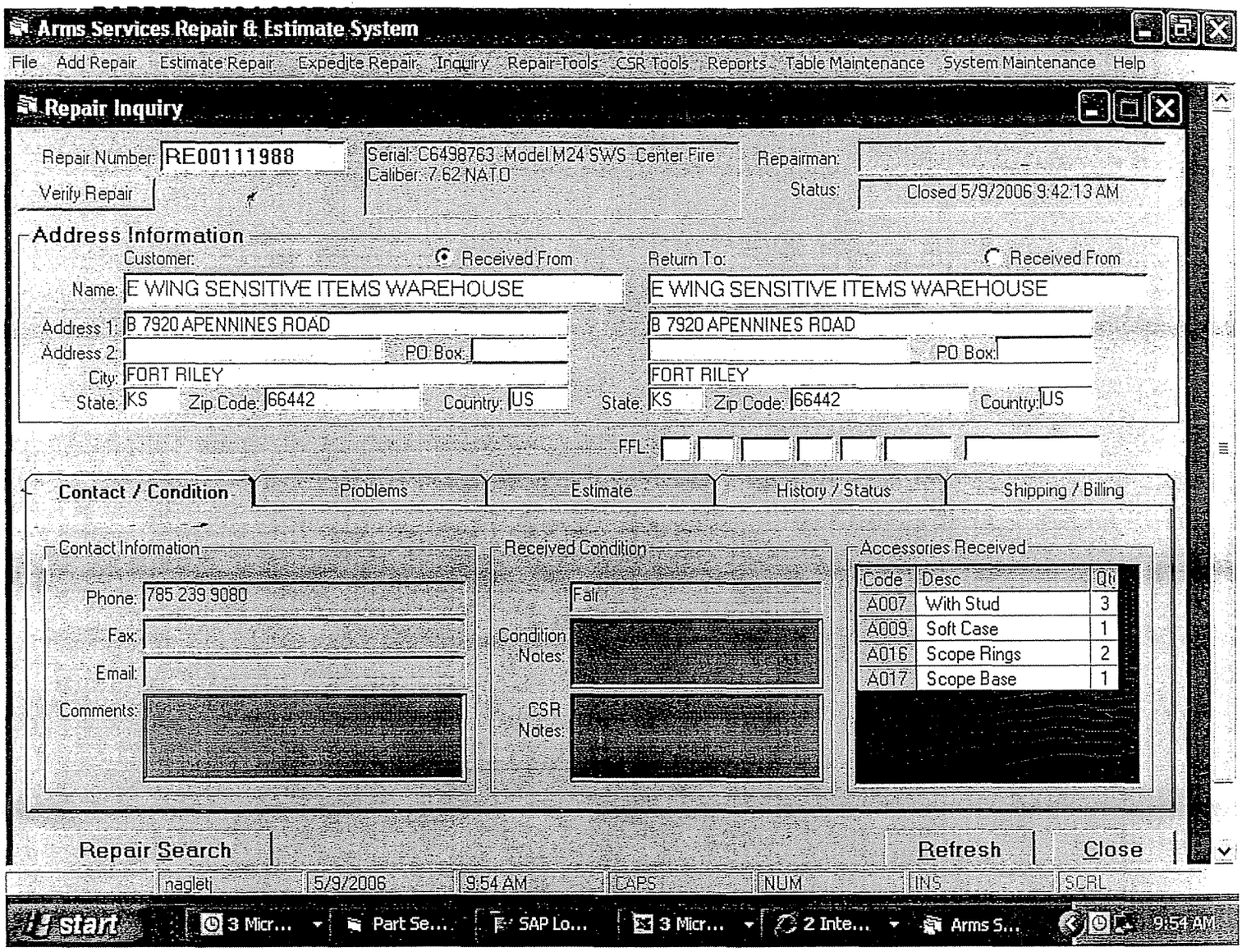
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington



Serial Number: C6498763

Model: M24 SWS

RE00111988

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498763.__0
FILE DATE AND TIME: 05/18/2006 16:18

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

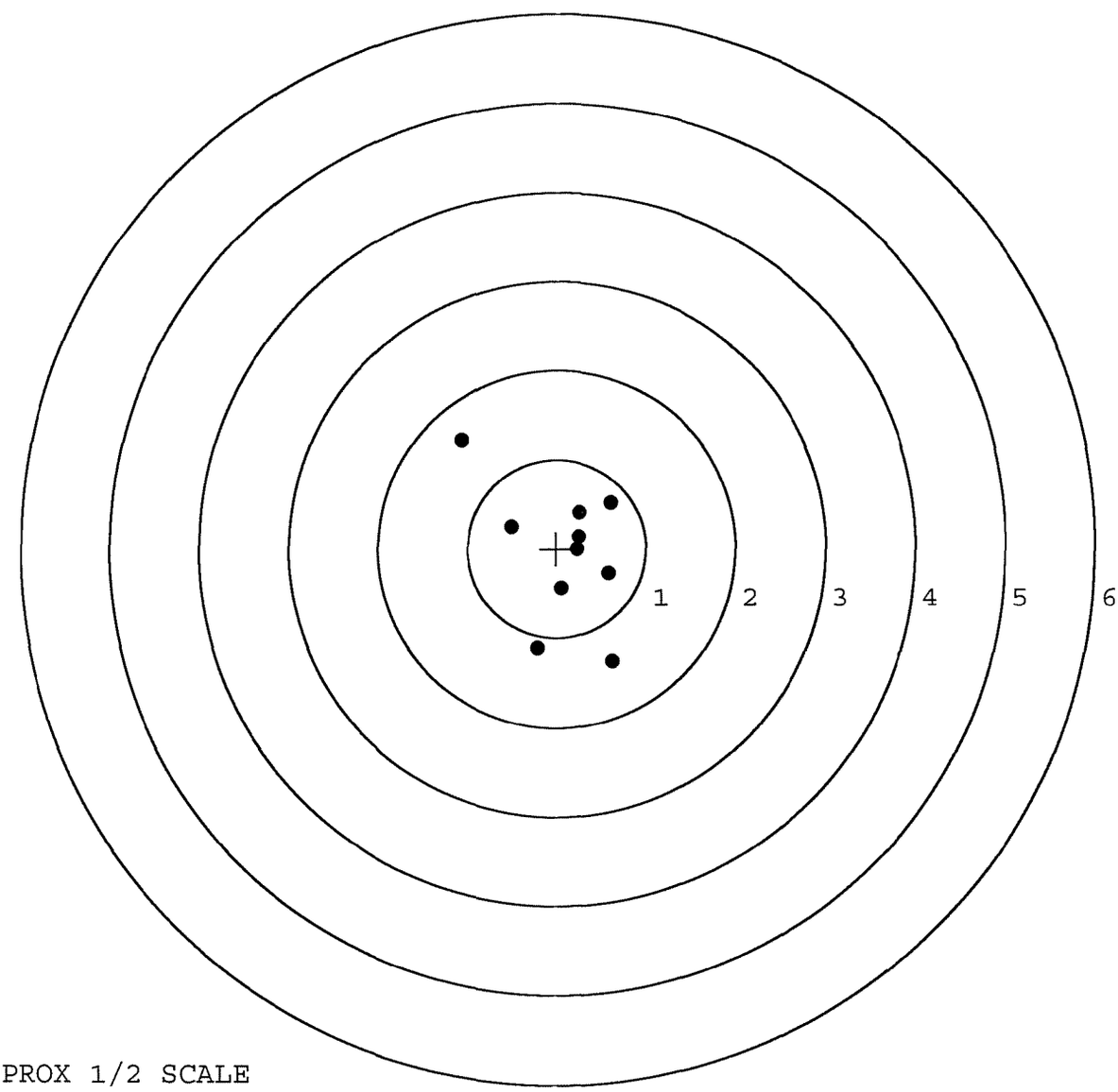
The Average X Centroid of the Five Target Set:	-0.011
The Average Y Centroid of the Five Target Set:	-0.056
The Average Point of Impact of the Five Target Set:	0.057
The Average Mean Radius of the Five Target Set:	0.600
The Distance from POA to Centroid Target #1:	0.104
The Distance from Centroid Target #2 to Centroid Target #1:	0.073
The Distance from Centroid Target #3 to Centroid Target #1:	0.130
The Distance from Centroid Target #4 to Centroid Target #1:	0.233
The Distance from Centroid Target #5 to Centroid Target #1:	0.291

BARBER - M24 0007269

SERIAL NUMBER: C6498763.__0
TARGET NUMBER: 1
FILE DATE: 05/18/2006
FILE TIME: 16:18

X CENTROID:	0.084
Y CENTROID:	-0.062
POA TO CENTROID:	0.104
HORZ SPREAD:	1.715
VERT SPREAD:	2.478
GROUP SPREAD:	3.014
MIN RADIUS:	0.162
MAX RADIUS:	1.726
MEAN RADIUS:	0.746
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	-1.080	1.212
2:	-0.511	0.244
3:	0.055	-0.450
4:	0.590	-0.275
5:	0.237	-0.007
6:	0.259	0.401
7:	0.613	0.517
8:	-0.214	-1.123
9:	0.635	-1.266
10:	0.257	0.129



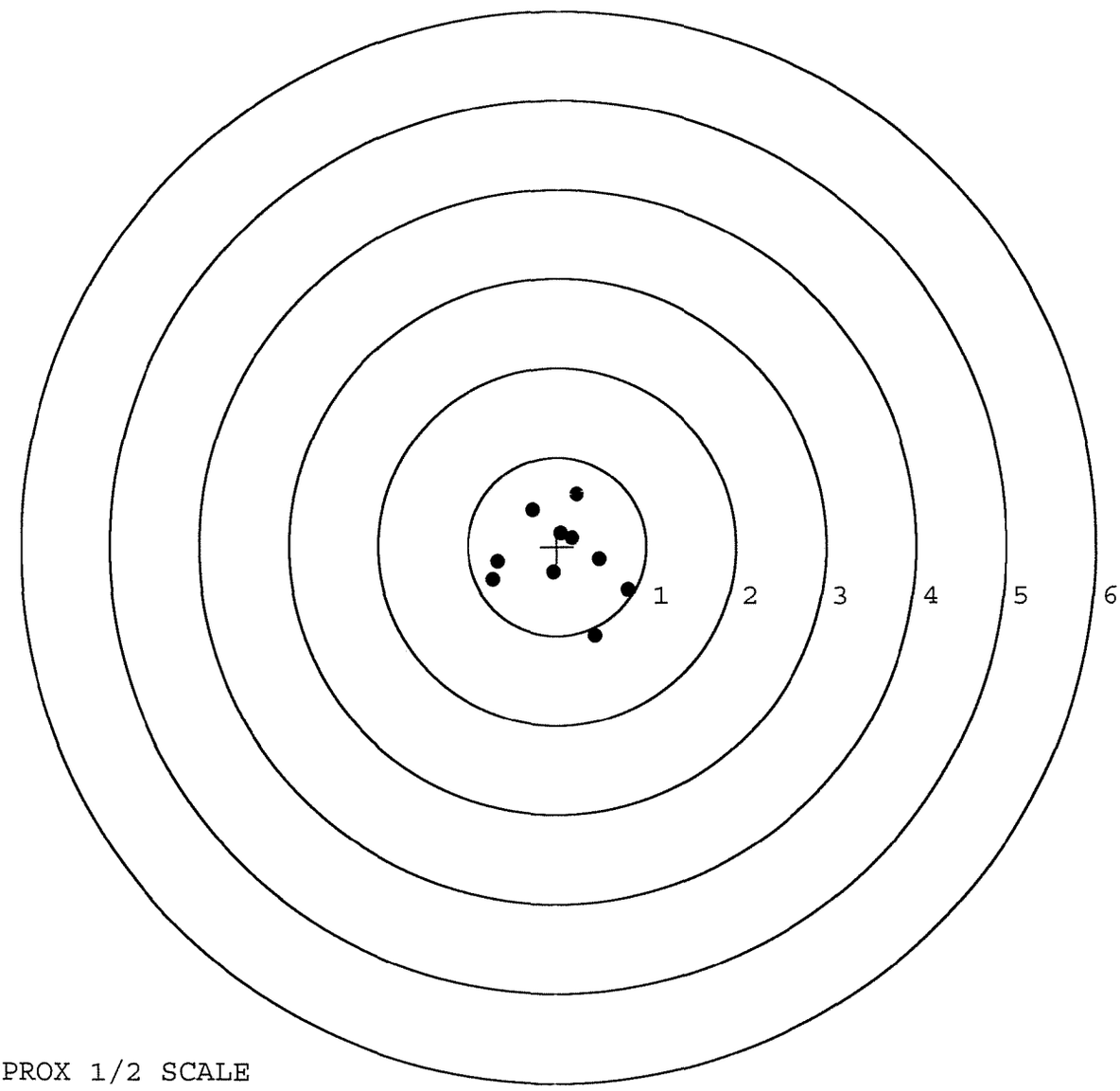
TARGET APPROX 1/2 SCALE

BARBER - M24 0007270

SERIAL NUMBER: C6498763.__0
TARGET NUMBER: 2
FILE DATE: 05/18/2006
FILE TIME: 16:18

X CENTROID:	0.044
Y CENTROID:	-0.123
POA TO CENTROID:	0.130
HORZ SPREAD:	1.519
VERT SPREAD:	1.583
GROUP SPREAD:	1.597
MIN RADIUS:	0.188
MAX RADIUS:	0.962
MEAN RADIUS:	0.582
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.275	0.412
2:	0.223	0.582
3:	-0.670	-0.174
4:	-0.722	-0.377
5:	-0.045	-0.289
6:	0.173	0.099
7:	0.475	-0.144
8:	0.797	-0.483
9:	0.437	-1.001
10:	0.043	0.148



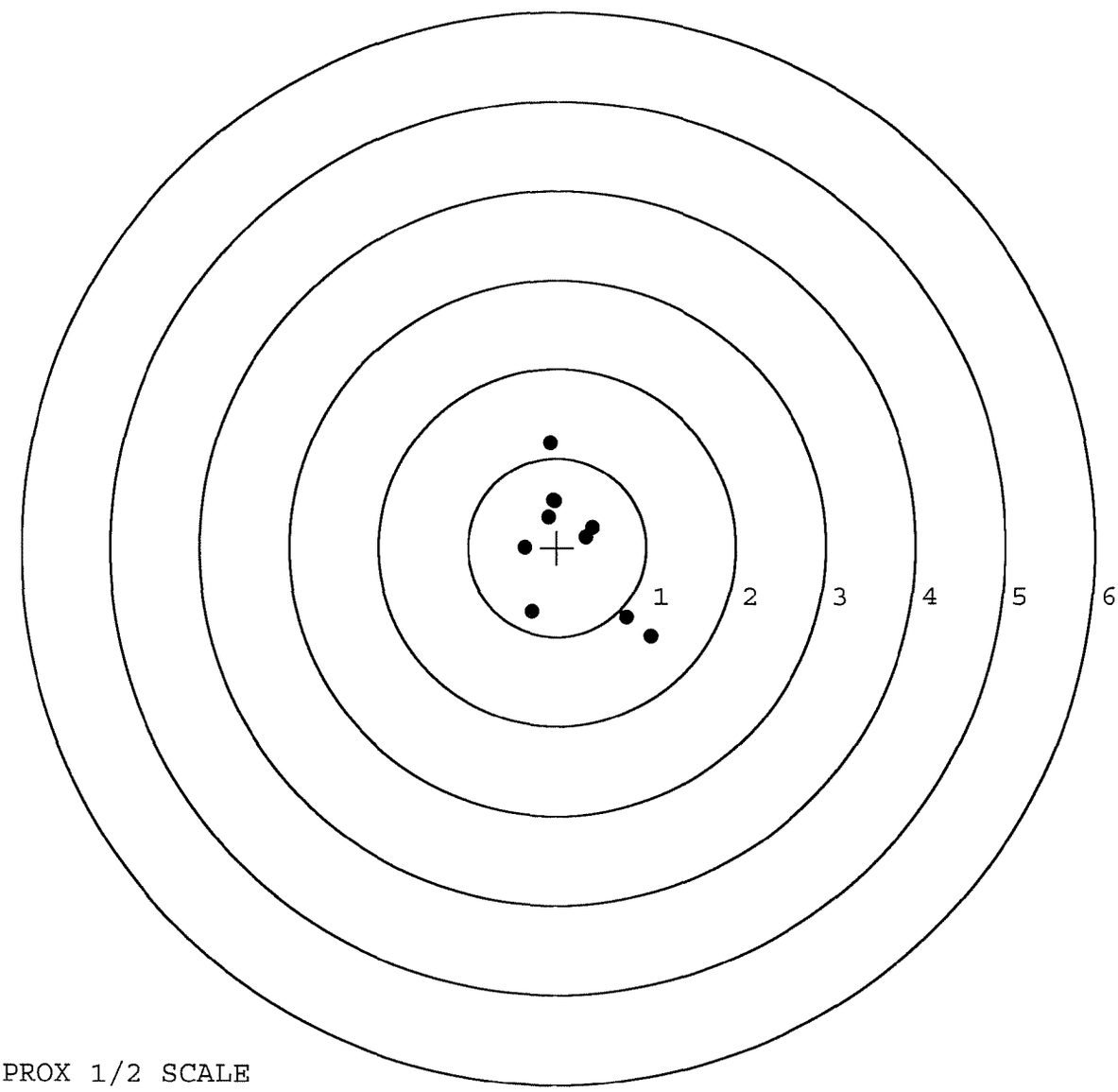
TARGET APPROX 1/2 SCALE

BARBER - M24 0007271

SERIAL NUMBER: C6498763.__0
TARGET NUMBER: 3
FILE DATE: 05/18/2006
FILE TIME: 16:18

X CENTROID:	0.169
Y CENTROID:	0.036
POA TO CENTROID:	0.173
HORZ SPREAD:	1.420
VERT SPREAD:	2.172
GROUP SPREAD:	2.450
MIN RADIUS:	0.178
MAX RADIUS:	1.363
MEAN RADIUS:	0.690
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.078	1.172
2:	-0.041	0.524
3:	-0.098	0.335
4:	-0.365	-0.013
5:	0.328	0.117
6:	0.401	0.221
7:	-0.274	-0.724
8:	0.792	-0.787
9:	1.055	-1.000
10:	-0.029	0.515



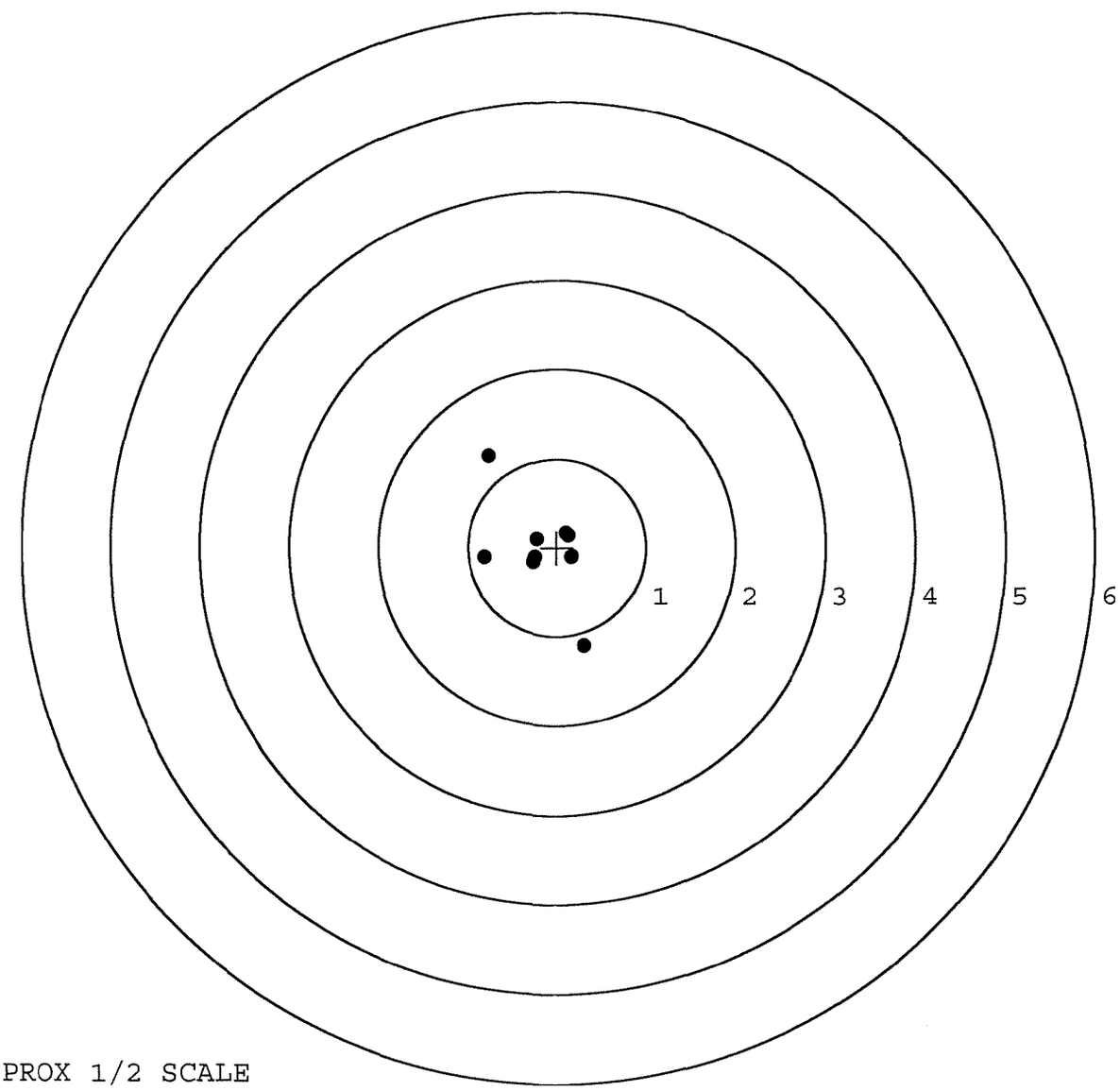
TARGET APPROX 1/2 SCALE

BARBER - M24 0007272

SERIAL NUMBER: C6498763.__0
TARGET NUMBER: 4
FILE DATE: 05/18/2006
FILE TIME: 16:18

X CENTROID:	-0.146
Y CENTROID:	-0.027
POA TO CENTROID:	0.149
HORZ SPREAD:	1.133
VERT SPREAD:	2.143
GROUP SPREAD:	2.400
MIN RADIUS:	0.133
MAX RADIUS:	1.228
MEAN RADIUS:	0.482
# IN 1 IN DIAMETER:	7
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.767	1.033
2:	-0.819	-0.115
3:	0.314	-1.110
4:	-0.253	-0.107
5:	0.164	-0.109
6:	0.127	0.137
7:	-0.227	0.096
8:	-0.271	-0.161
9:	0.167	-0.101
10:	0.101	0.165



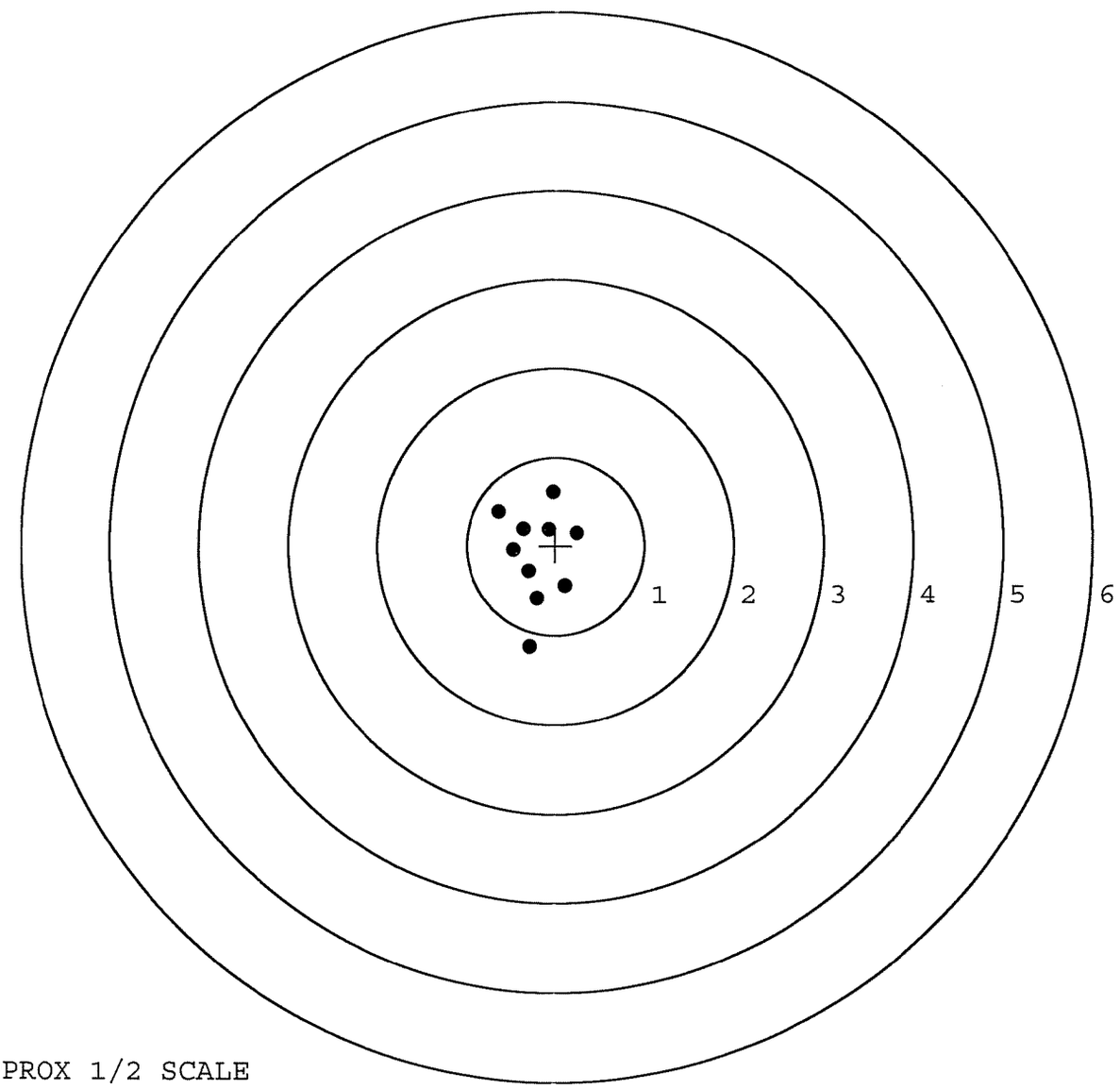
TARGET APPROX 1/2 SCALE

BARBER - M24 0007273

SERIAL NUMBER: C6498763.__0
TARGET NUMBER: 5
FILE DATE: 05/18/2006
FILE TIME: 16:18

X CENTROID:	-0.204
Y CENTROID:	-0.102
POA TO CENTROID:	0.228
HORZ SPREAD:	0.886
VERT SPREAD:	1.729
GROUP SPREAD:	1.749
MIN RADIUS:	0.213
MAX RADIUS:	1.029
MEAN RADIUS:	0.501
# IN 1 IN DIAMETER:	6
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.027	0.602
2:	-0.642	0.382
3:	-0.288	-1.127
4:	-0.210	-0.596
5:	0.108	-0.454
6:	0.244	0.140
7:	-0.078	0.180
8:	-0.365	0.190
9:	-0.476	-0.047
10:	-0.306	-0.289



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	111988
SERIAL NUMBER	CC4987 63
LOG-IN DATE	5-9-06

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		5-10-06	RTC
505	RE-BARREL		5-12-06	RTC
560	ASSEMBLE		5-12-06	RTC
600	PROOF	MAGNA-FLUX INSPECTED MAY 12 2006	5-12-06	TRW
605	CHECK HEADSPACE		5-12-06	TRW
610	DIS-ASSEMBLE GUN		5-12-06	RTC
612	MAGNAFLUX	OPERATOR [signature]	5/12/06	[signature]
510	DRILL AND TAP		5-12-06	TRW
615	ROLLMARK CALIBER		5-12-06	CW
618	ROTO-BLAST		5-12-06	LB
620	APPLY COATINGS		5/15/06	RB
625	FINAL ASSEMBLY		5-18-06	RTC
640	FUNCTION TEST AND	(PASS) FAIL	5-18-06	K.P.D.
650	TARGET	(PASS) FAIL	5-18-06	K.P.D.
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		5-23-06	MJH
	A) HEADSPACE	(PASS) FAIL	5-23-06	MJH
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)			
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	7 lbs 7 lbs 7 lbs		MJH
	G) SAFETY OFF FORCE (2 LBS MIN)	3 lbs 3 lbs 3 lbs		MJH
	I) FIRING PIN INDENT (.020)	.022 .022 .022		MJH
690	PACK		5-25-06	[signature]

Remington®

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

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

MODEL 700™ M24

SERIAL NO.
C6498763

ORDER NO.
5716

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

01

5716 C6498763

UPC
0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498763

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	90	RW
600	Proof	4 12	90	
607	Check Headspace	4 12	90	
610	Dis-assemble Gun			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 RB		4/24/90	KB
620	Apply Coatings (Barrel Action)		4-30-90	DA
	Apply Coating (Bolt)		4-30	DA
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		5/18/90	WB

BARBER - M24 0007277

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/18/90	WB
	G) Safety Off Force	2	2	2			5/18/90	WB
	H) Trigger Pull Test & Retainability						5/18/90	WB
	I) Firing Pin Indent	.0225	.0225	.0225			5/18/90	WB
	J) Assemble Stock						5/18/90	RW
	K) Assemble Swivel Studs						25 May 90	DS
	L) Attach Front and Rear Sight Assemblies						5/18/90	RW
	M) Iron Sight Alignment						5/18/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/18/90	RW
	O) Attach Scope to Rifle						5/18/90	WB
	P) Detach & Attach Scope 20 Times						5/18/90	WB
640	Gallery Target & Test						5-18-90	AC
	A) Time						5-18-90	AC
	B) Malfunctions						5-18-90	AC
	C) Pierced Primers						5-18-90	AC
	D) Optical Clearity of Scope						5-18-90	AC
645	Inspect for Live Ammo						5-18-90	AC
655	Final Inspection A) Headspace						25 May 90	DS
	B) Trigger Pull	251	243	244	243	232	25 May 90	DS
	C) Function						25 May 90	DS
660	Pack						6-20-90	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. C6498763
DATE 5/18/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.55	2.30	2.32	2.51	MIN. SETTING,
PULL #2	2.51	2.25	2.28	2.43	NO AVG. OF 5
PULL #3	2.50	2.22	2.19	2.44	READINGS ACCEPT-
PULL #4	2.54	2.20	2.23	2.43	ABLE LESS THAN 2#
PULL #5	2.51	2.20	2.19	2.32	
TOTAL	12.61	11.17	11.11		
AVG.	2.52	2.21	2.22		

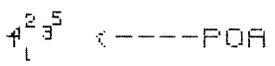
	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.07		
PULL #2	3.23	3.09		
PULL #3	3.16	3.10		
PULL #4	3.24	3.03		
PULL #5	3.27	3.08		
TOTAL	16.12	15.37		
AVG.	3.22	3.07		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.13		4.37
PULL #2	4.18	3.96		4.53
PULL #3	4.18	4.10		4.23
PULL #4	4.14	4.06		4.35
PULL #5	4.08	4.08		4.32
TOTAL	20.70	20.33		22.00
AVG.	4.14	4.07		4.40

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498763
18 May 1990

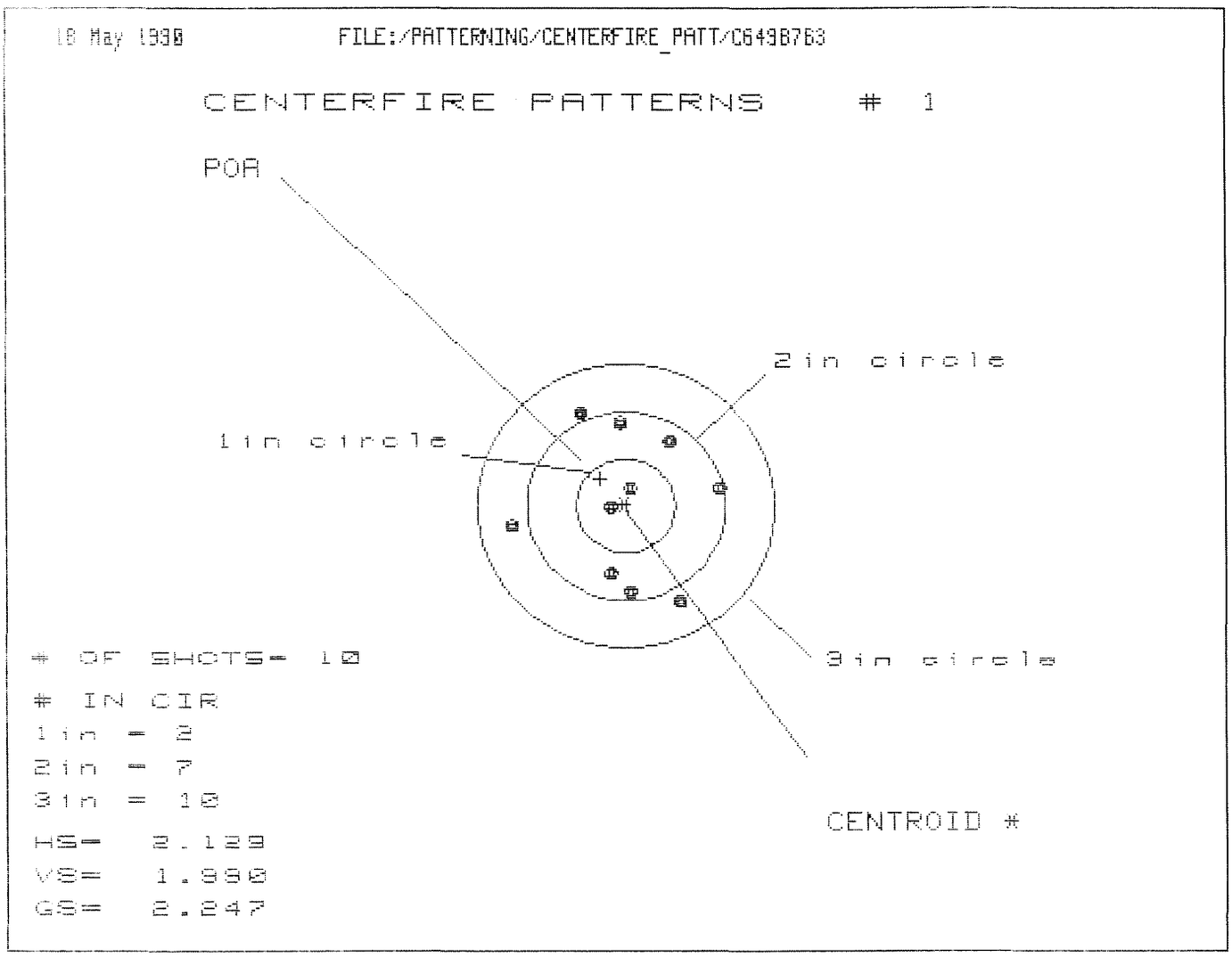
CENTROIDAL DISTANCES

Ø	TO	1	.383919
1	TO	2	.590496
1	TO	3	.553218
1	TO	4	.411461
1	TO	5	.83557



THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4088
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1128
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .424077

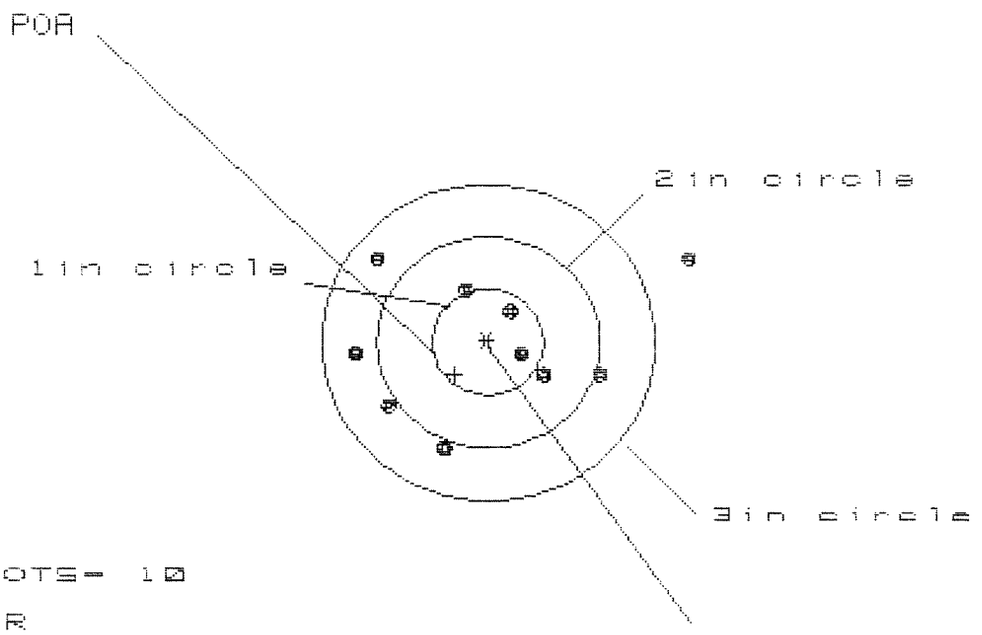
THE AMR FOR THIS RIFLE IS: .9302



PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.944	.812	.865
MINIMUM X	:	-1.185	-.620	-.567
MAXIMUM Y	:	.941	.922	.788
MINIMUM Y	:	-1.049	-1.068	-1.064
CENTROID X	:	.255	.387	.334
CENTROID Y	:	-.287	-.268	-.134
POA TO CENTROID in.	:	.384	.470	.360
MIN RADIUS	:	.154	.221	.078
MEAN RADIUS	:	.813	.770	.692
MAX RADIUS	:	1.198	1.149	1.064
HORIZONTAL SPREAD	:	2.129	1.432	1.432
VERTICAL SPREAD	:	1.990	1.990	1.852
EXTREME SPREAD	:	2.247	2.247	1.937
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

18 May 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C6498763

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

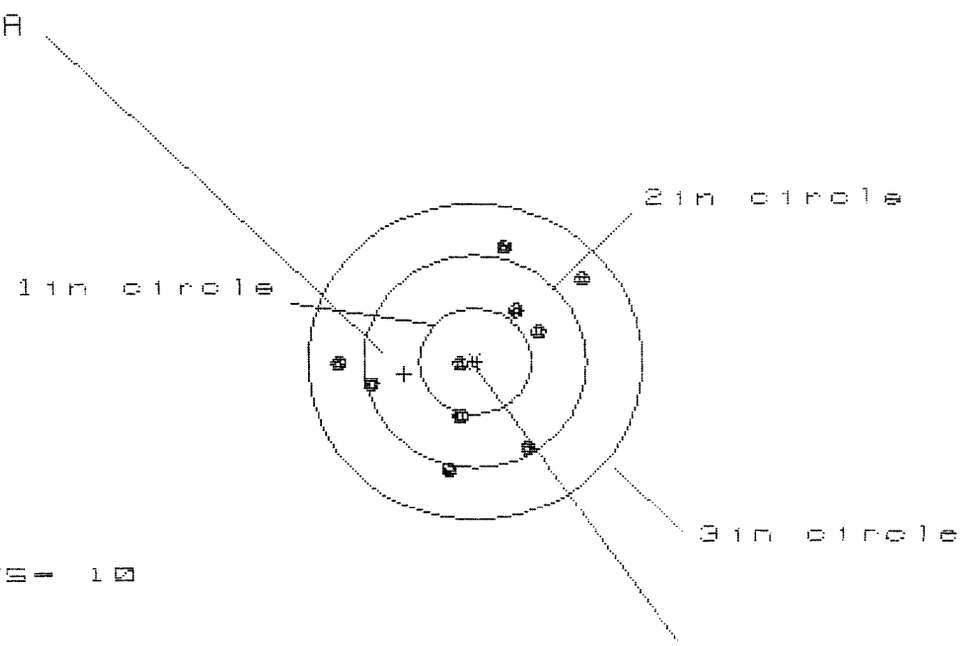
# IN CIR
1in = 2
2in = 4
3in = 9

HS= 3.025
VS= 1.894
GS= 3.159

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.784	1.213	1.113
MINIMUM X	:	-1.241	-1.043	-1.143
MAXIMUM Y	:	.847	.933	.727
MINIMUM Y	:	-1.047	-.961	-.845
CENTROID X	:	.297	.099	.199
CENTROID Y	:	.302	.216	.100
POA TO CENTROID in.	:	.424	.238	.222
MIN RADIUS	:	.291	.479	.400
MEAN RADIUS	:	.962	.864	.804
MAX RADIUS	:	1.945	1.231	1.145
HORIZONTAL SPREAD	:	3.025	2.256	2.256
VERTICAL SPREAD	:	1.894	1.894	1.572
EXTREME SPREAD	:	3.159	2.313	2.262
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

18 May 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C643B763

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

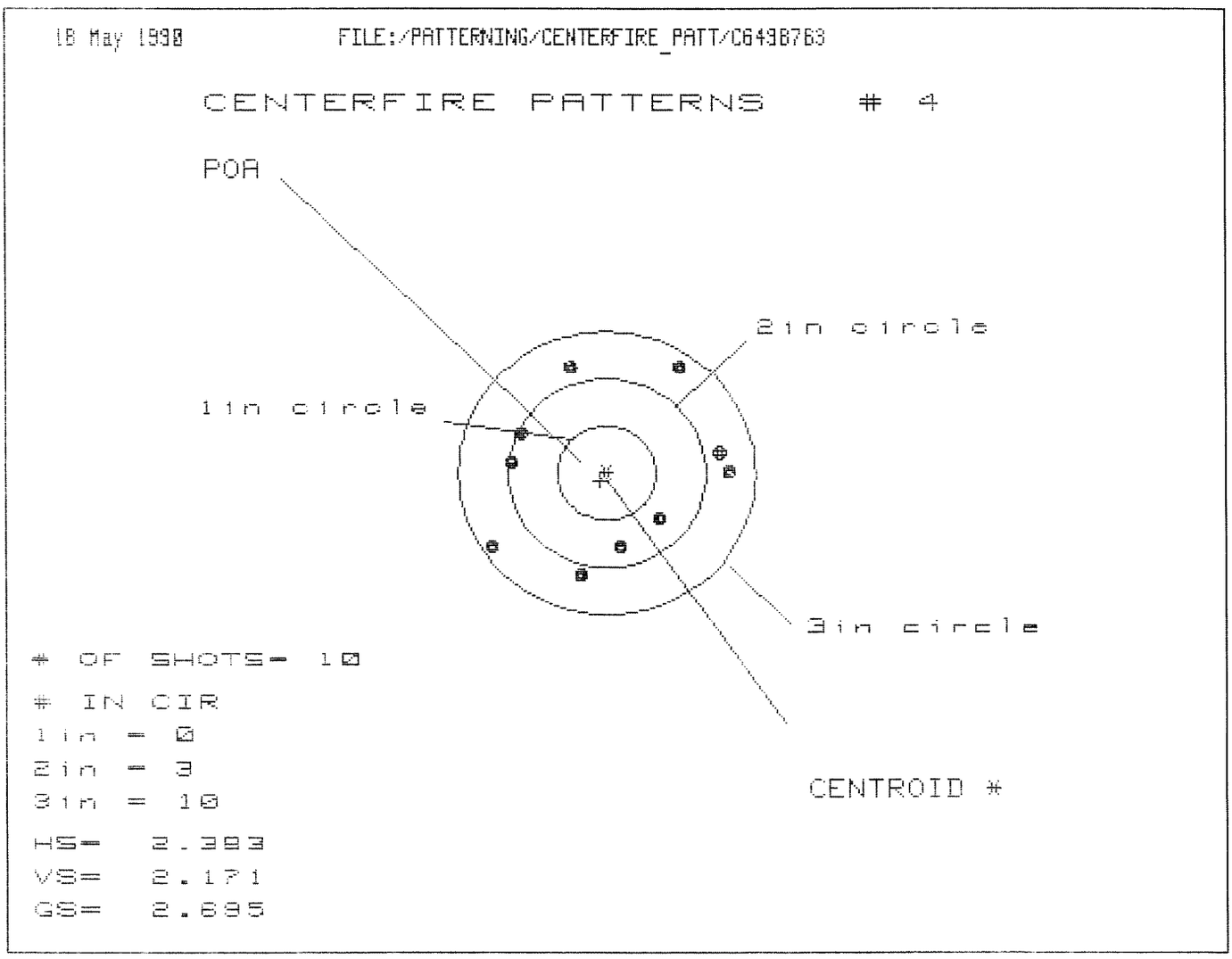
# IN CIR
1in = 1
2in = 6
3in = 10

HS= 2.193
VS= 2.028
GS= 2.336

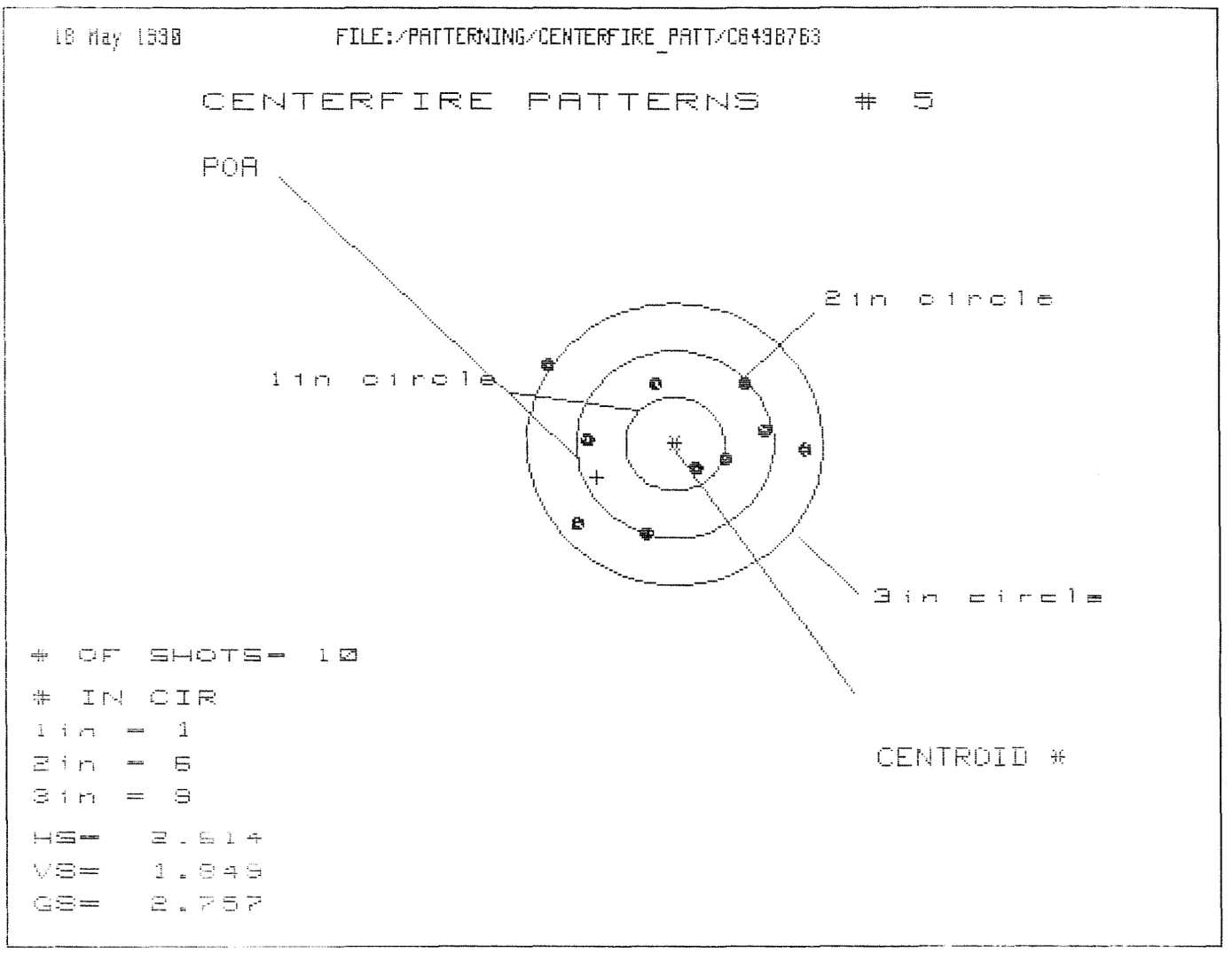
PATTERN # : 3

SHOTS (BEST OF) :	10	9	8
MAXIMUM X :	1.004	.656	.522
MINIMUM X :	-1.189	-1.078	-.956
MAXIMUM Y :	1.040	1.127	1.135
MINIMUM Y :	-.988	-.901	-.893
CENTROID X :	.634	.523	.657
CENTROID Y :	.116	.029	.021
POA TO CENTROID in.:	.645	.523	.658
MIN RADIUS :	.142	.112	.201
MEAN RADIUS :	.827	.768	.723
MAX RADIUS :	1.275	1.181	1.156
HORIZONTAL SPREAD :	2.193	1.734	1.478
VERTICAL SPREAD :	2.028	2.028	2.028
EXTREME SPREAD :	2.336	2.083	2.083

NUMBER IN ONE INCH CIRCLE = 1
NUMBER IN TWO INCH CIRCLE = 6
NUMBER IN THREE INCH CIRCLE = 10



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.192	1.060	1.136
MINIMUM X	:	-1.191	-1.120	-1.044
MAXIMUM Y	:	1.143	1.060	1.192
MINIMUM Y	:	-1.028	-1.111	-.979
CENTROID X	:	.067	.199	.123
CENTROID Y	:	.079	.161	.030
POA TO CENTROID in.	:	.103	.256	.126
MIN RADIUS	:	.684	.657	.610
MEAN RADIUS	:	1.089	1.047	1.008
MAX RADIUS	:	1.403	1.217	1.269
HORIZONTAL SPREAD	:	2.383	2.180	2.180
VERTICAL SPREAD	:	2.171	2.171	2.171
EXTREME SPREAD	:	2.695	2.382	2.184
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.328	1.185	.912
MINIMUM X	:	-1.286	-1.085	-.937
MAXIMUM Y	:	.857	.749	.759
MINIMUM Y	:	-.992	-.897	-.887
CENTROID X	:	.791	.934	.786
CENTROID Y	:	.354	.259	.249
POA TO CENTROID in.	:	.866	.969	.824
MIN RADIUS	:	.369	.216	.295
MEAN RADIUS	:	.960	.863	.833
MAX RADIUS	:	1.545	1.328	1.204
HORIZONTAL SPREAD	:	2.614	2.270	1.849
VERTICAL SPREAD	:	1.849	1.646	1.646
EXTREME SPREAD	:	2.757	2.421	2.276
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	