C6498749

MODEL 700™ M24

Model SWS™

Action

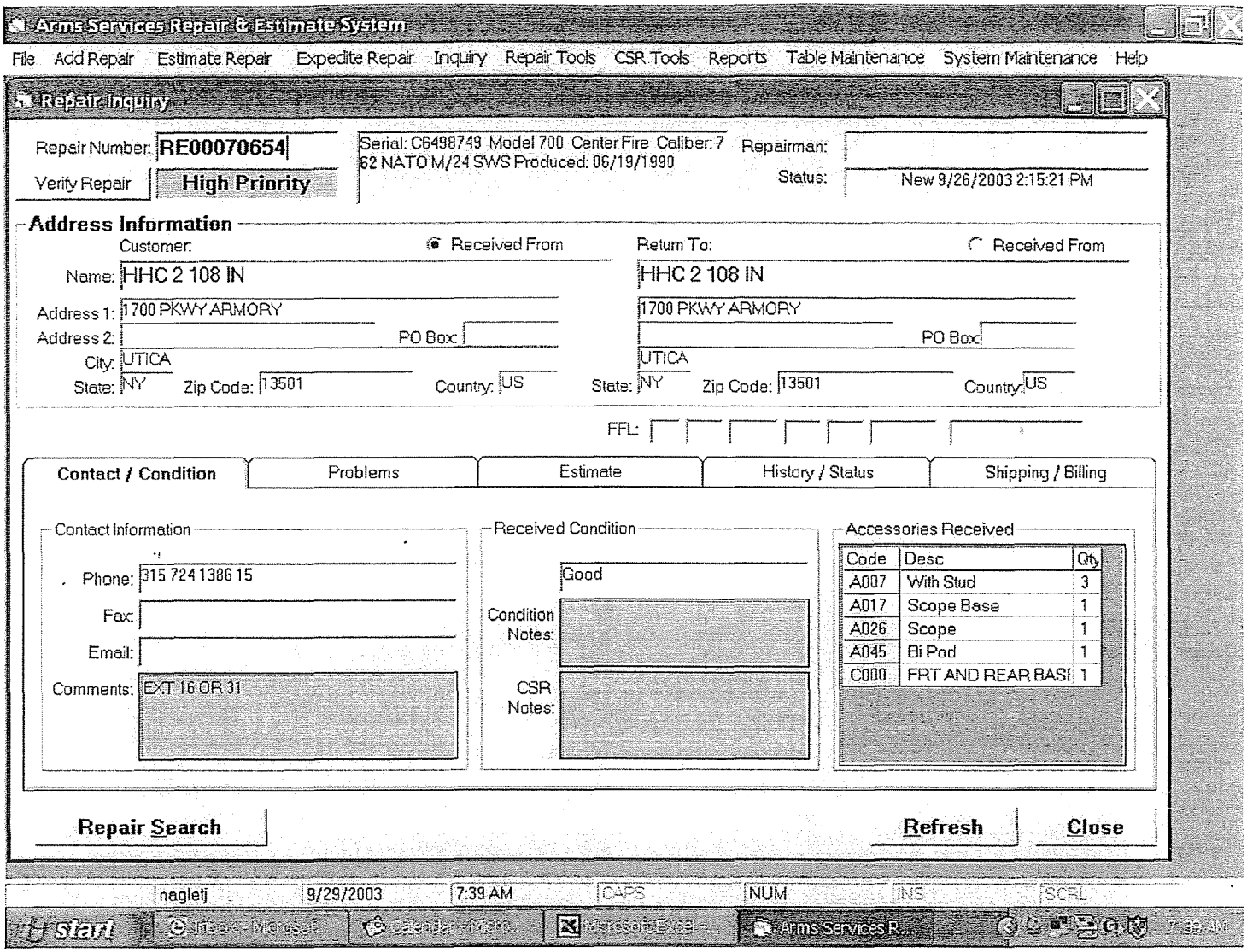
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington®



Serial Number: C6498749

Model: 700

RE00070654

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	70654		
	C6498749		
SERIAL NUMBER			
LOG-IN DATE	9-26-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-1-03	RTL
560 A	RE-BARREL	10-7-03	RTL
B	DRILL AND TAP	10-9-03	TRW
575	ASSEMBLE	10-7-03	RTL
600	PROOF	MAGNA - FLUX INSPECTED	
605	CHECK HEADSPACE	10-8-03	RTL
610	DIS-ASSEMBLE GUN	10-8-03	RTL
612	MAGNAFLUX OPERATOR RD		
615	ROLLMARK CALIBER	10-11-03	JB
618	ROTO-BLAST	10/13/2003	Dan S.
620	APPLY COATINGS	10-14	TH
625 A	FINAL ASSEMBLY	10-22-03	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-24-03	TRW
655	FINAL INSPECT	10-25-03	RW
660	PACK	10-26-03	DM
		SHIP DATE	
	QAR INSPECTION DATE		

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498749.__0
FILE DATE AND TIME: 10/24/2003 06:36

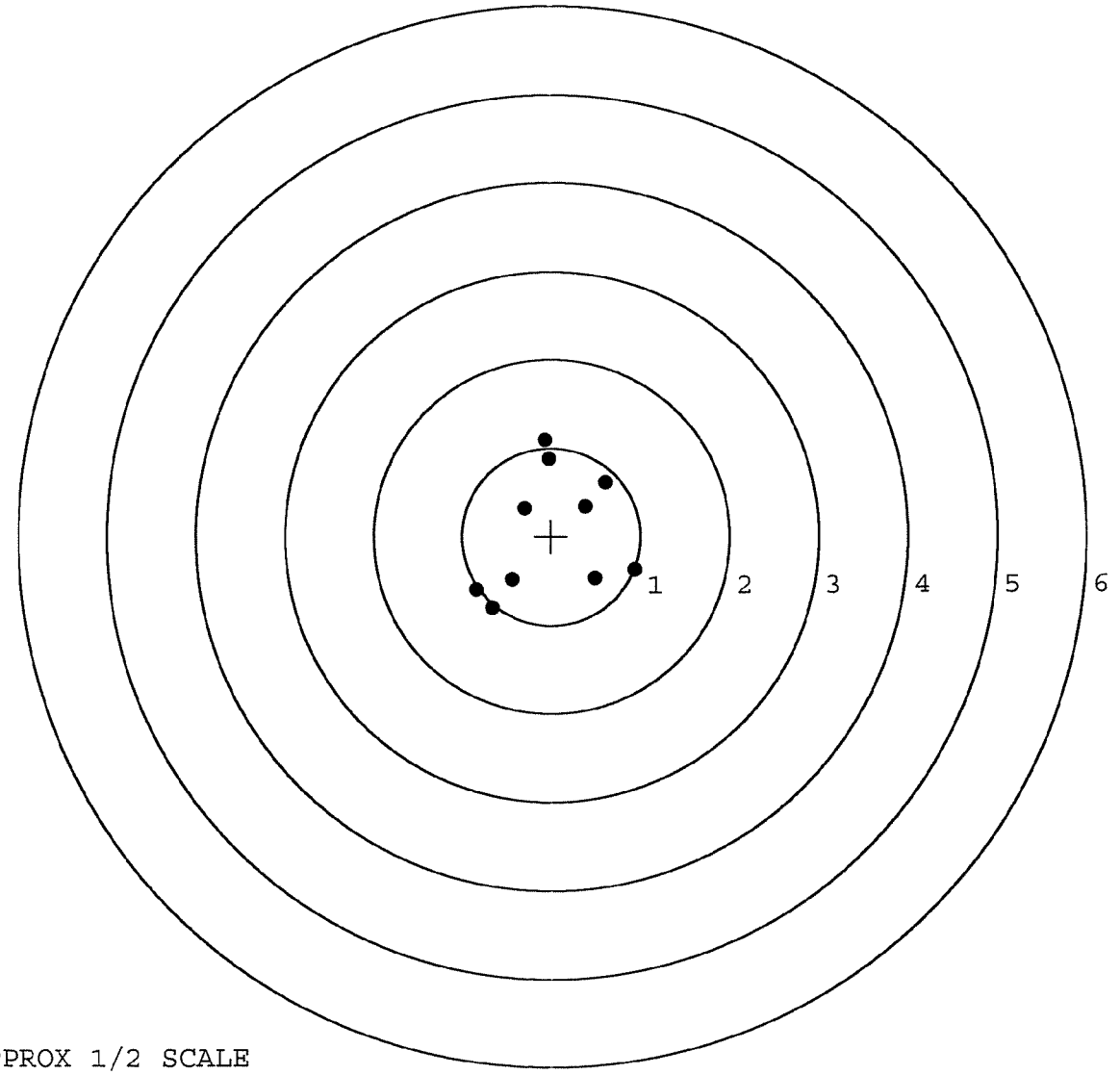
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.027
The Average Y Centroid of the Five Target Set:	0.013
The Average Point of Impact of the Five Target Set:	0.030
The Average Mean Radius of the Five Target Set:	0.752
The Distance from POA to Centroid Target #1:	0.047
The Distance from Centroid Target #2 to Centroid Target #1:	0.158
The Distance from Centroid Target #3 to Centroid Target #1:	0.086
The Distance from Centroid Target #4 to Centroid Target #1:	0.300
The Distance from Centroid Target #5 to Centroid Target #1:	0.089

SERIAL NUMBER: C6498749.__0
TARGET NUMBER: 1
FILE DATE: 10/24/2003
FILE TIME: 06:36

X CENTROID:	0.009
Y CENTROID:	0.046
POA TO CENTROID:	0.047
HORZ SPREAD:	1.778
VERT SPREAD:	1.902
GROUP SPREAD:	1.991
MIN RADIUS:	0.408
MAX RADIUS:	1.089
MEAN RADIUS:	0.817
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.937	-0.383
2:	0.488	-0.479
3:	0.613	0.612
4:	0.386	0.335
5:	-0.298	0.315
6:	-0.073	1.089
7:	-0.434	-0.487
8:	-0.841	-0.600
9:	-0.660	-0.813
10:	-0.026	0.874

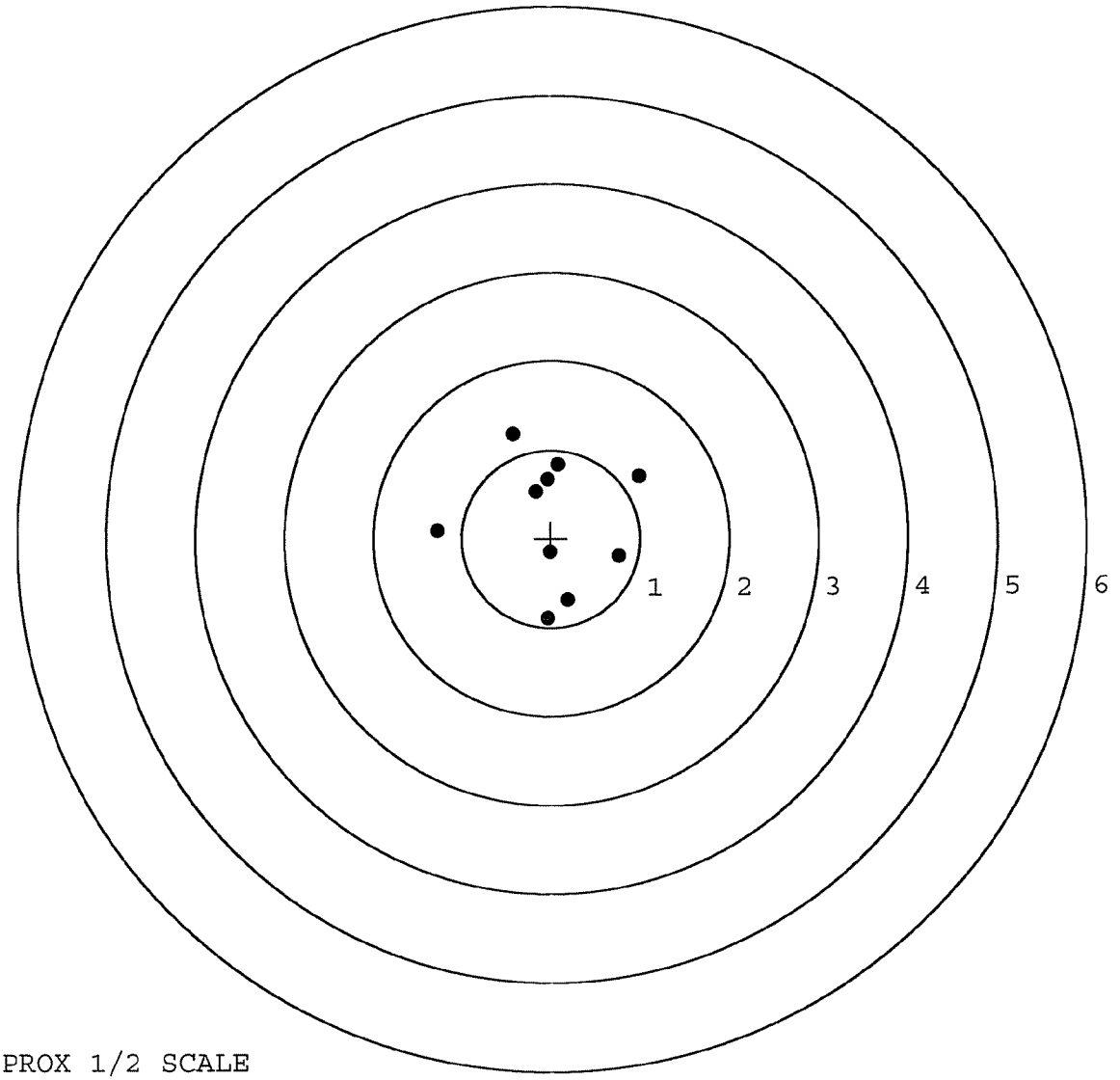


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498749.__0
TARGET NUMBER: 2
FILE DATE: 10/24/2003
FILE TIME: 06:36

X CENTROID:	0.007
Y CENTROID:	0.204
POA TO CENTROID:	0.204
HORZ SPREAD:	2.266
VERT SPREAD:	2.082
GROUP SPREAD:	2.348
MIN RADIUS:	0.362
MAX RADIUS:	1.288
MEAN RADIUS:	0.818
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.764	-0.205
2:	0.187	-0.697
3:	-0.039	-0.905
4:	-0.011	-0.158
5:	-1.276	0.087
6:	-0.169	0.530
7:	0.081	0.838
8:	-0.420	1.177
9:	-0.037	0.667
10:	0.990	0.704

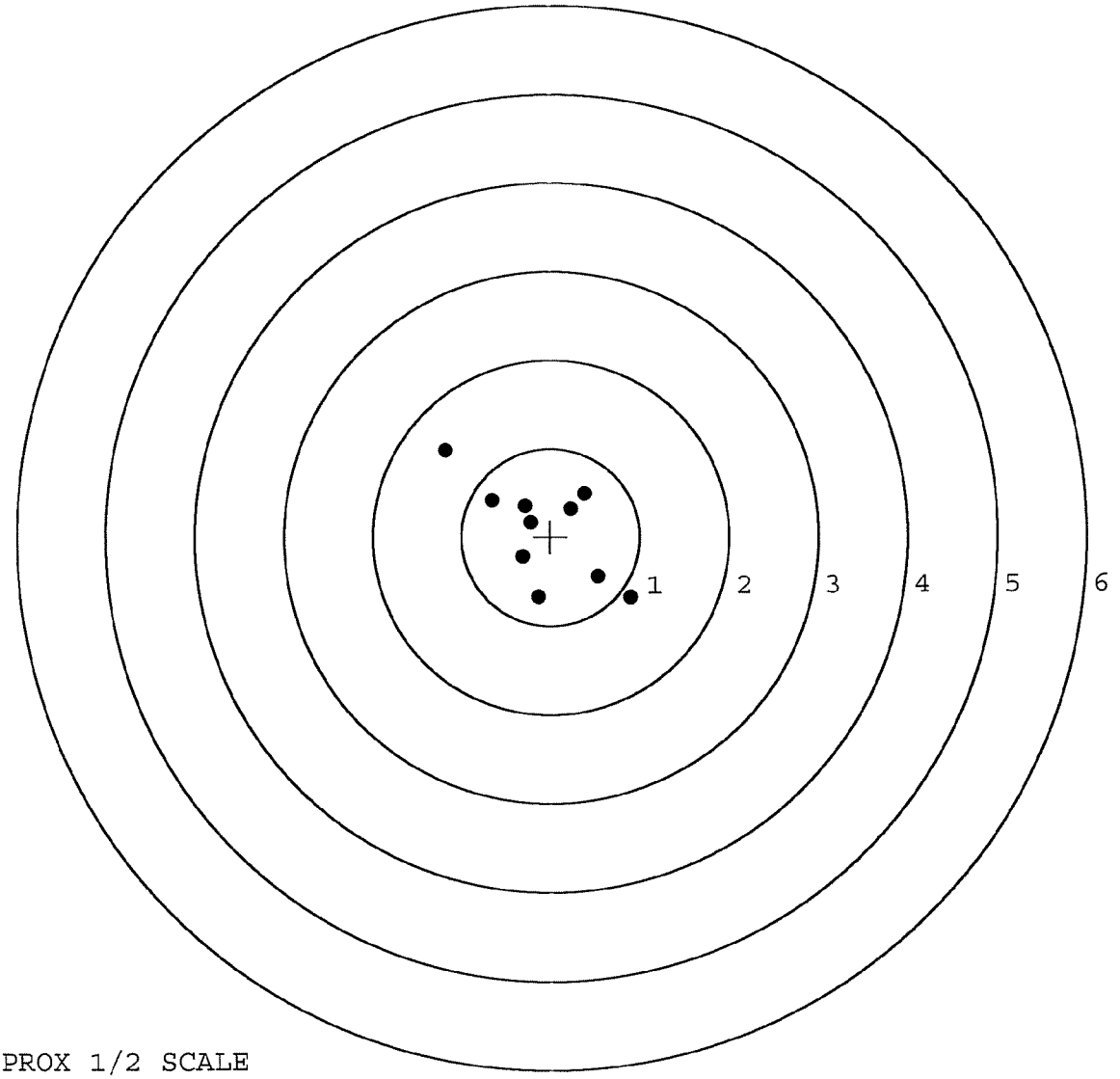


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498749.__0
TARGET NUMBER: 3
FILE DATE: 10/24/2003
FILE TIME: 06:36

X CENTROID:	-0.074
Y CENTROID:	0.067
POA TO CENTROID:	0.100
HORZ SPREAD:	2.072
VERT SPREAD:	1.674
GROUP SPREAD:	2.664
MIN RADIUS:	0.174
MAX RADIUS:	1.435
MEAN RADIUS:	0.682
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.895	-0.690
2:	0.532	-0.454
3:	-0.134	-0.682
4:	-0.310	-0.232
5:	0.382	0.493
6:	0.230	0.319
7:	-0.282	0.348
8:	-0.220	0.162
9:	-0.657	0.419
10:	-1.177	0.984

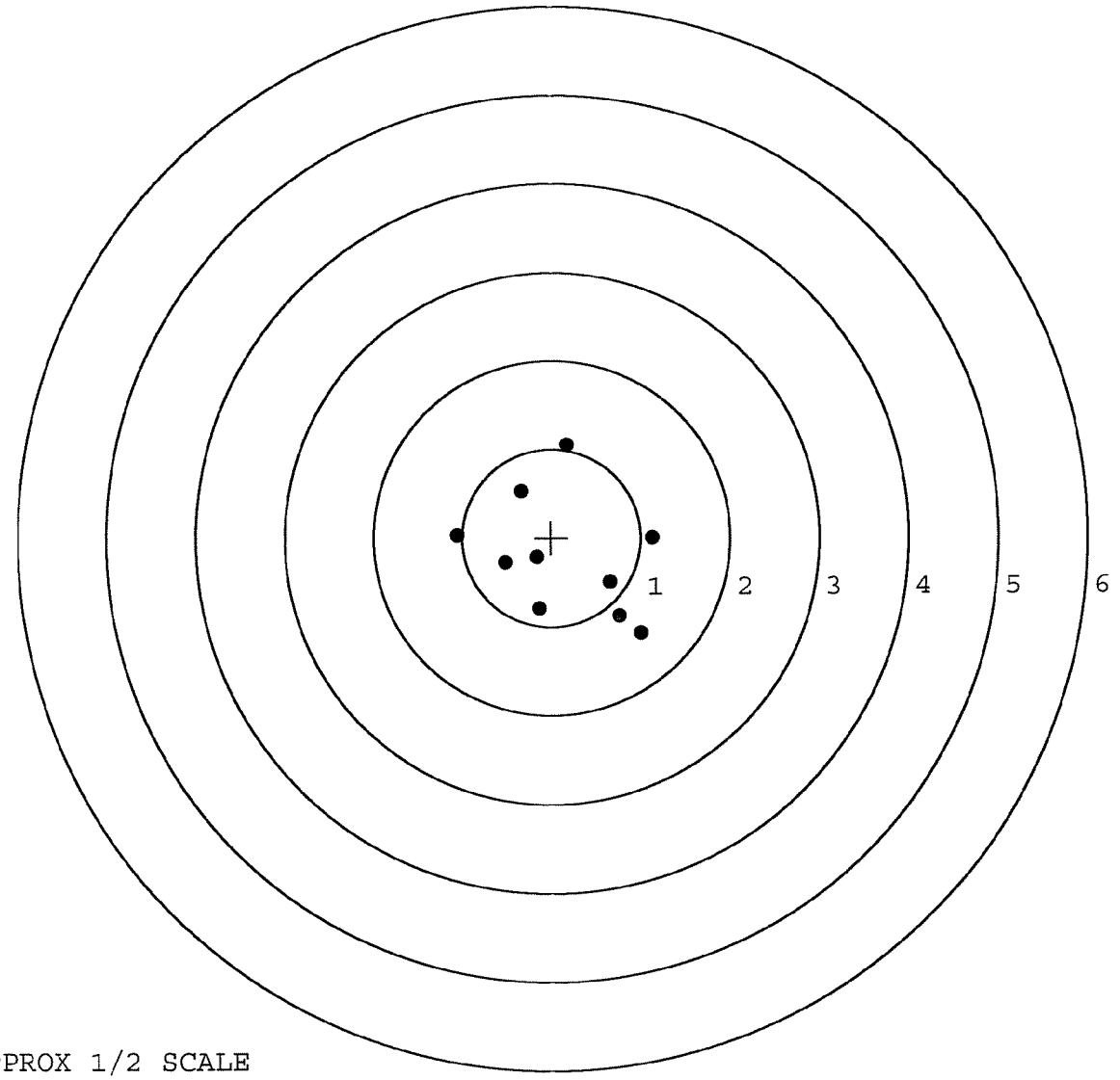


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498749.__0
TARGET NUMBER: 4
FILE DATE: 10/24/2003
FILE TIME: 06:36

X CENTROID:	0.152
Y CENTROID:	-0.217
POA TO CENTROID:	0.265
HORZ SPREAD:	2.186
VERT SPREAD:	2.121
GROUP SPREAD:	2.274
MIN RADIUS:	0.318
MAX RADIUS:	1.261
MEAN RADIUS:	0.871
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	1.001	-1.078
2:	0.762	-0.882
3:	0.656	-0.504
4:	1.131	0.005
5:	0.180	1.043
6:	-0.339	0.524
7:	-0.138	-0.800
8:	-0.166	-0.226
9:	-0.514	-0.284
10:	-1.055	0.028

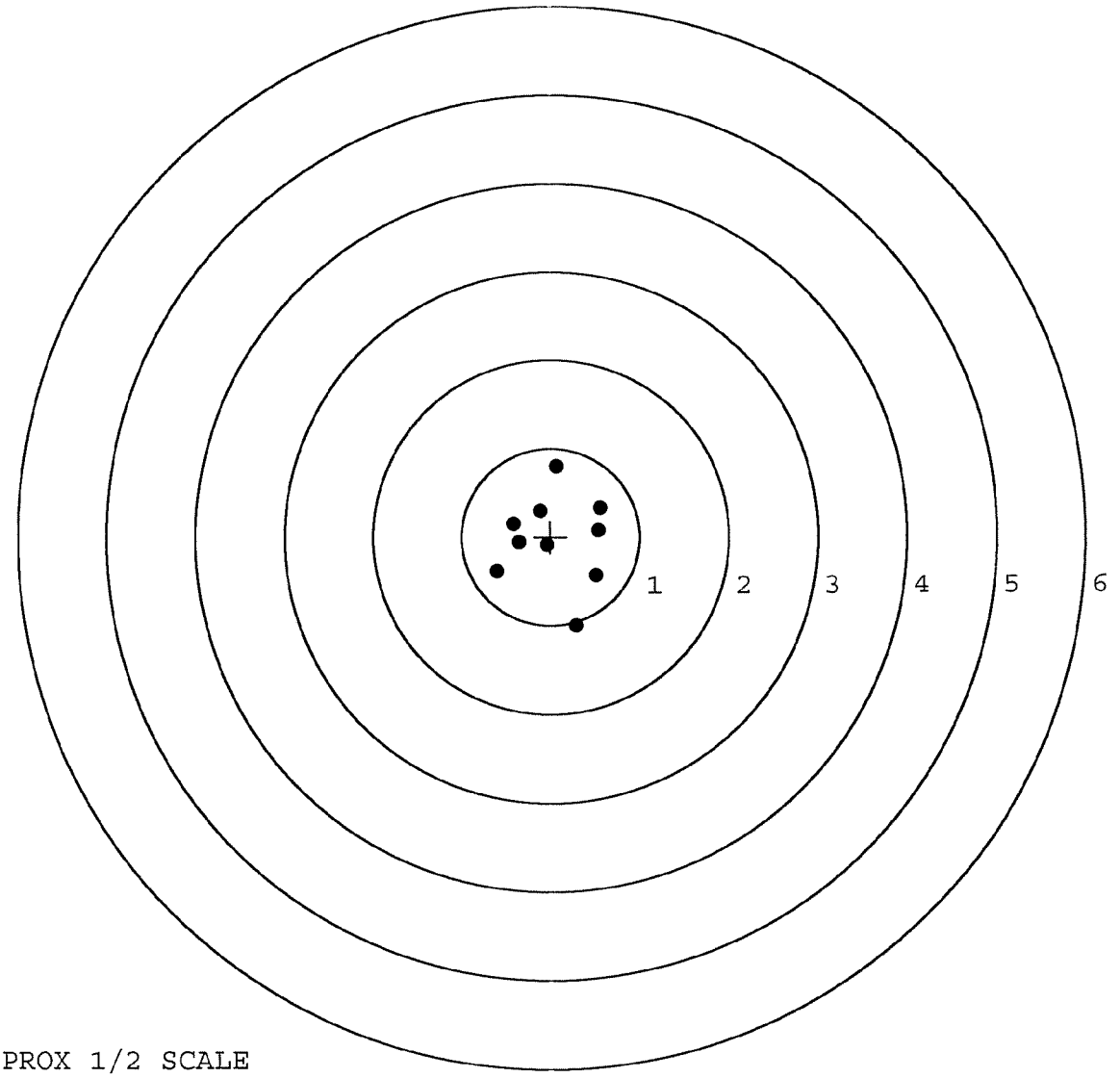


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498749.__0
TARGET NUMBER: 5
FILE DATE: 10/24/2003
FILE TIME: 06:36

X CENTROID:	0.043
Y CENTROID:	-0.036
POA TO CENTROID:	0.056
HORZ SPREAD:	1.158
VERT SPREAD:	1.807
GROUP SPREAD:	1.821
MIN RADIUS:	0.109
MAX RADIUS:	1.006
MEAN RADIUS:	0.571
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.293	-1.010
2:	0.513	-0.444
3:	0.535	0.074
4:	0.557	0.329
5:	0.069	0.797
6:	-0.601	-0.395
7:	-0.419	0.152
8:	-0.118	0.300
9:	-0.046	-0.099
10:	-0.355	-0.065



TARGET APPROX 1/2 SCALE

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498749

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	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		5/22/90	KCR
	Magnaflux Bolt		5/22/90	KCR
615	Rollmark Caliber		5/22/90	KCR
617	Drill and Tap Sight Holes		5/23/90	FB
618	Polish Barrel RB		5/24/90	WB
620	Apply Coatings (Barrel Action)		6/4/90	TH
	Apply Coating (Bolt)			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	GH

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	3 3/4	3 3/4	3 1/2	6/11/90	WB
	G) Safety Off Force	2	2	2	6/11/90	WB
	H) Trigger Pull Test & Retainability				6/8/90	
	I) Firing Pin Indent	.0235	.024	.024	6/11/90	WB
	J) Assemble Stock				6/11/90	RW
	K) Assemble Swivel Studs				6/13/90	
	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	WB
	P) Detach & Attach Scope 20 Times				6/11/90	WB
640	Gallery Target & Test				6-11-90	AC
	A) Time				6-11-90	AC
	B) Malfunctions				6-11-90	AC
	C) Pierced Primers				6-11-90	AC
	D) Optical Clearity of Scope				6-11-90	AC
645	Inspect for Live Ammo				6-11-90	AC
655	Final Inspection A) Headspace				6-13-90	
	B) Trigger Pull	2.70	2.73	2.59	6-11-90	GS
		2.59	2.53			
	C) Function				6-13-90	
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. C6498749
DATE 6/8/90
TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.14	2.41	2.30	2.70	MIN. SETTING,
PULL #2	2.45	2.50	2.35	2.73	NO AVG. OF 5
PULL #3	2.34	2.29	2.37	2.59	READINGS ACCEPT-
PULL #4	2.50	2.32	2.30	2.59	ABLE LESS THAN 2#
PULL #5	2.26	2.37	2.25	2.53	
TOTAL	11.69	11.89	11.57		
AVG.	2.338	2.378	2.314		

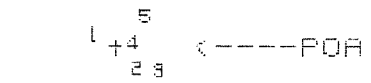
	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.37		
PULL #2	3.31	3.28		
PULL #3	3.30	3.41		
PULL #4	3.19	3.30		
PULL #5	3.38	3.31		
TOTAL	16.38	16.67		
AVG.	3.276	3.334		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.32		4.25
PULL #2	4.38	4.26		4.25
PULL #3	4.34	4.30		4.26
PULL #4	4.28	4.24		4.27
PULL #5	4.27	4.27		4.26
TOTAL	21.42	21.34		21.29
AVG.	4.284	4.268		4.258

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498749
11 Jun 1990

CENTROIDAL DISTANCES

0	TO	1	.485685
1	TO	2	1.04102
1	TO	3	1.39574
1	TO	4	.776294
1	TO	5	1.03123

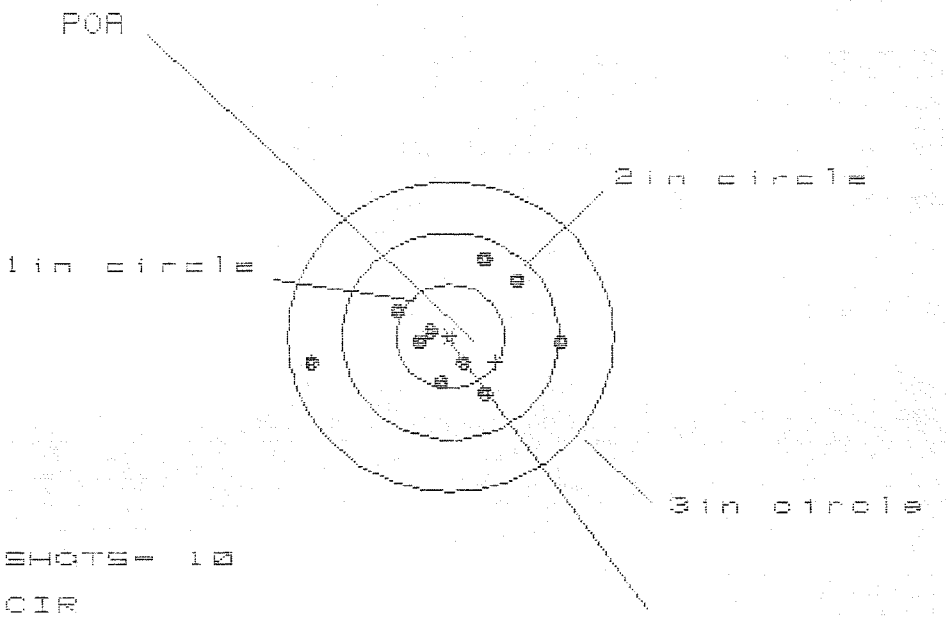


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3412
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0212
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .341859

THE AMR FOR THIS RIFLE IS: .7504

11 Jun 1998 FILE:/PATTERNING/CENTERFIRE_PATT/08498743

CENTERFIRE PATTERNS # 1

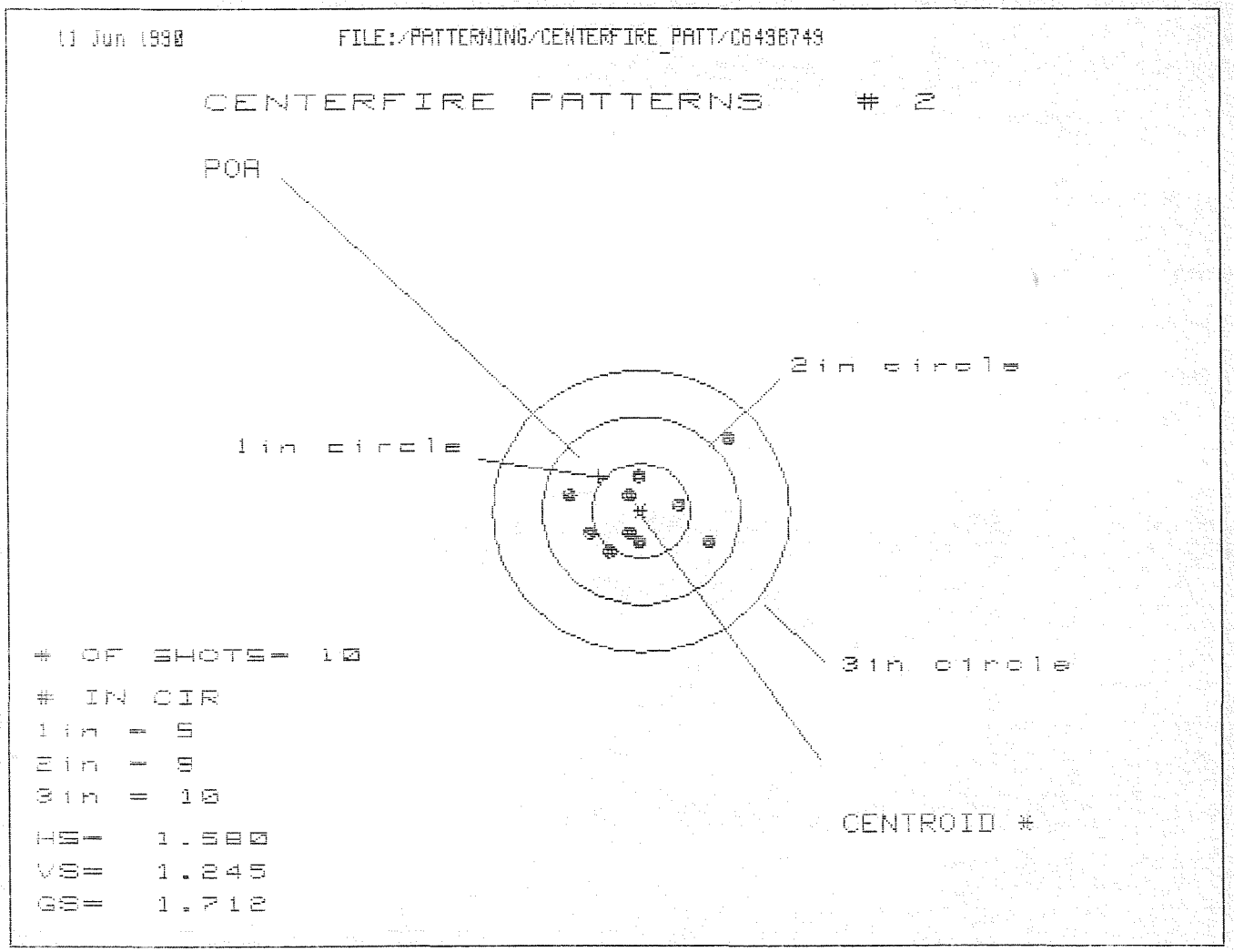


OF SHOTS= 10

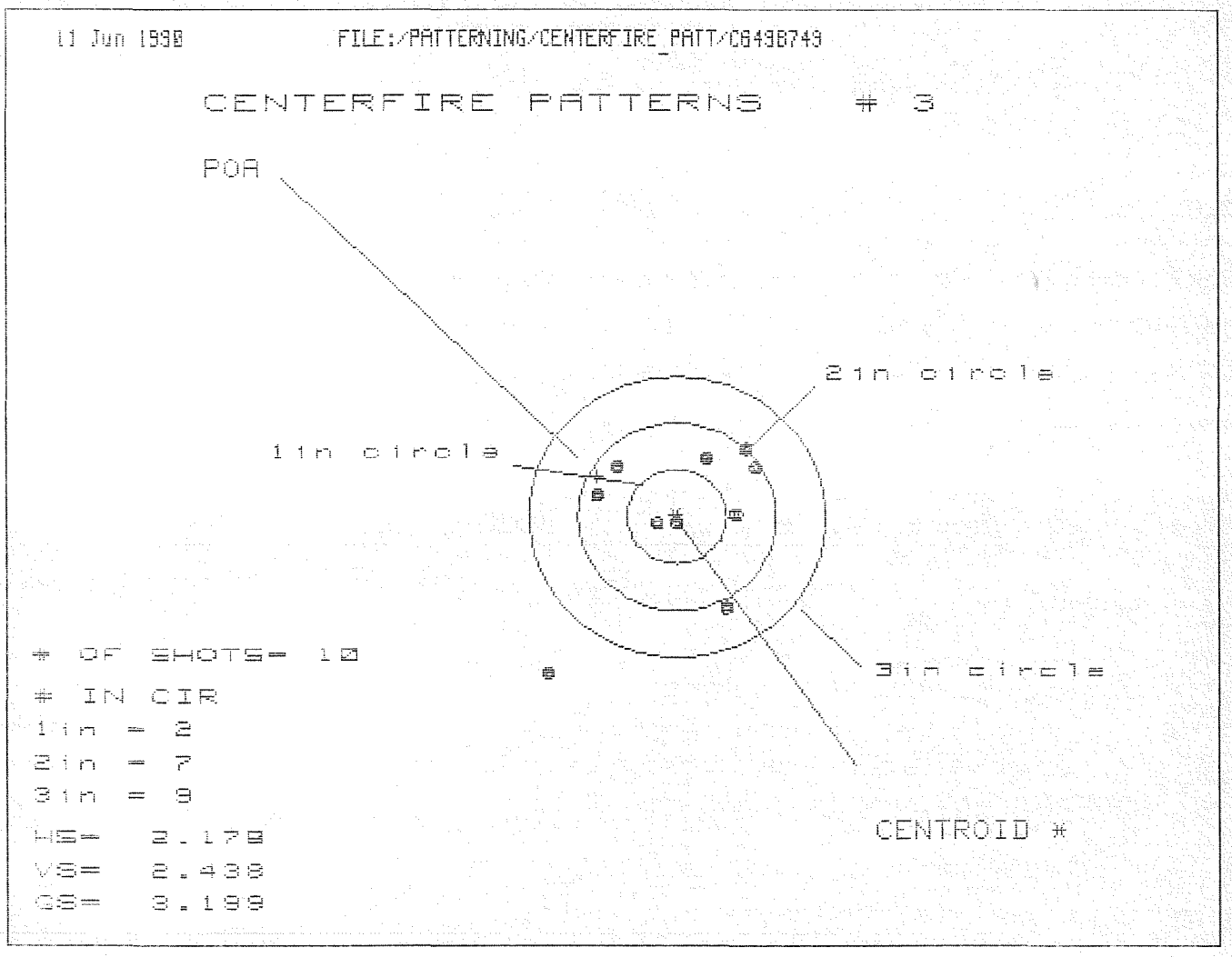
# IN CIR
1in = 4
2in = 9
3in = 10

HS= 2.263
VS= 1.268
GS= 2.274

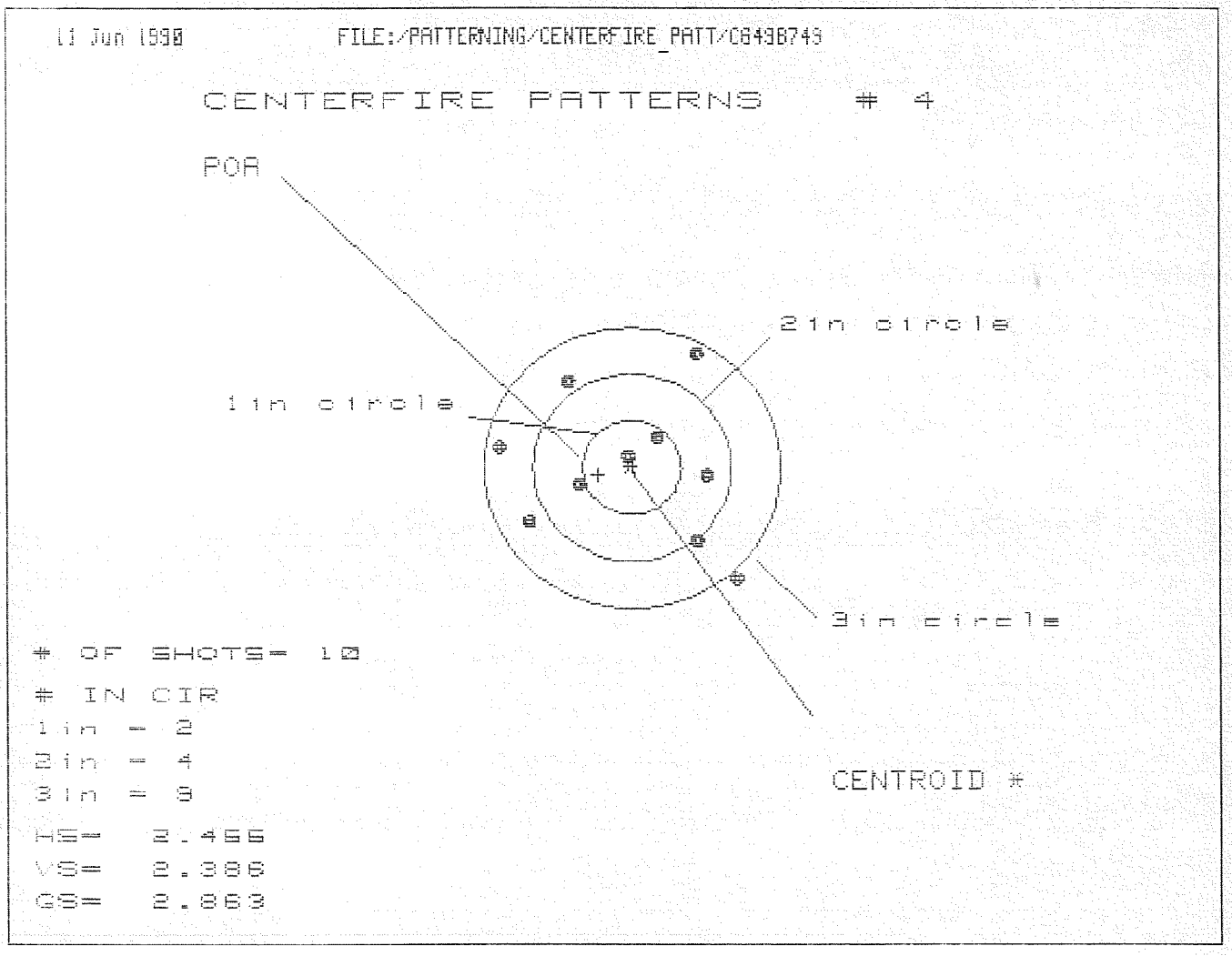
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.969	.826	.532
MINIMUM X	:	-1.294	-.608	-.505
MAXIMUM Y	:	.735	.707	.700
MINIMUM Y	:	-.533	-.561	-.568
CENTROID X	:	-.417	-.274	-.377
CENTROID Y	:	.249	.277	.284
POA TO CENTROID in.	:	.486	.389	.472
MIN RADIUS	:	.160	.288	.185
MEAN RADIUS	:	.630	.565	.509
MAX RADIUS	:	1.318	.828	.769
HORIZONTAL SPREAD	:	2.263	1.434	1.037
VERTICAL SPREAD	:	1.268	1.268	1.268
EXTREME SPREAD	:	2.274	1.458	1.284
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	



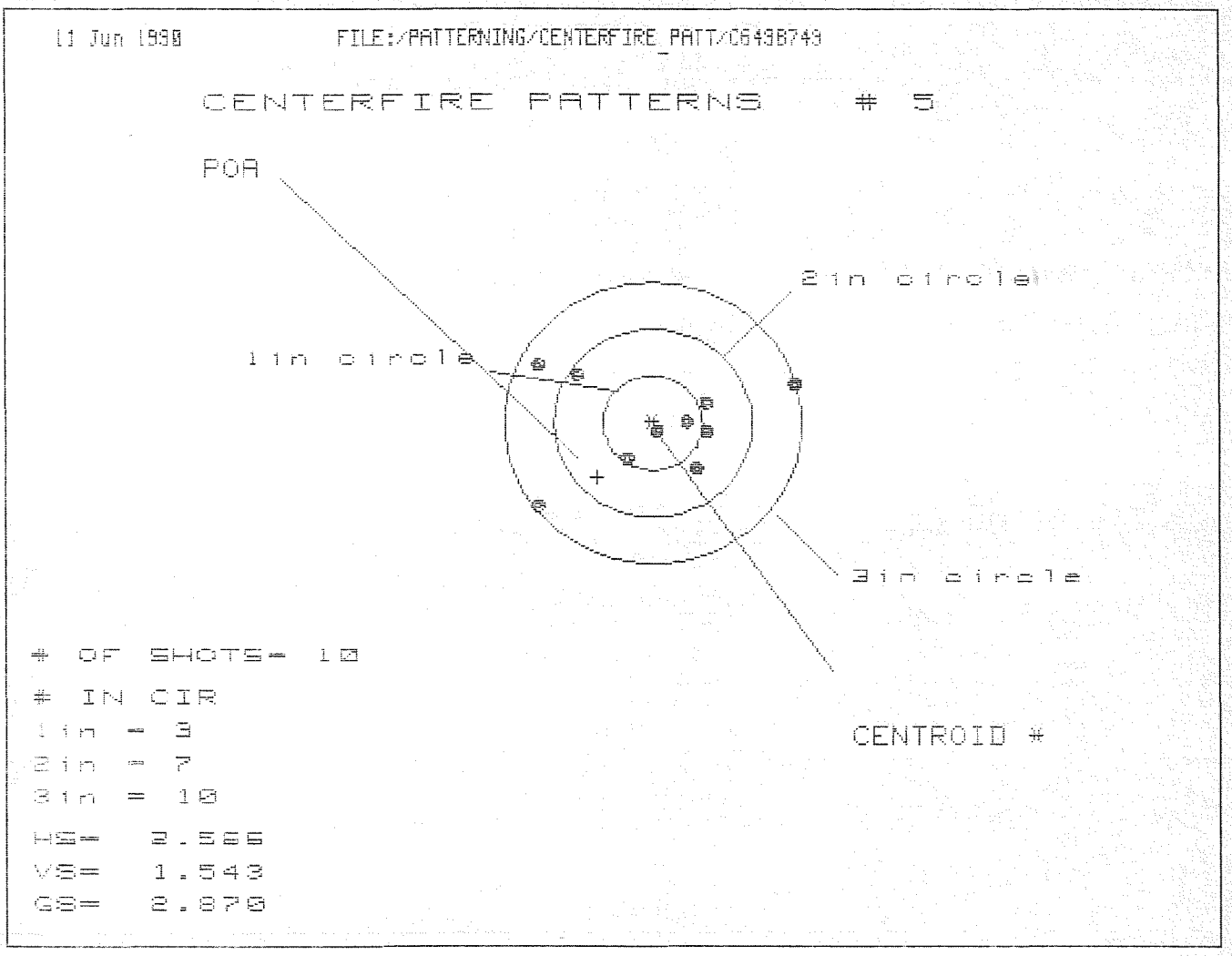
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.830	.817	.571
MINIMUM X	:	-.750	-.658	-.556
MAXIMUM Y	:	.787	.498	.473
MINIMUM Y	:	-.458	-.371	-.396
CENTROID X	:	.420	.328	.226
CENTROID Y	:	-.370	-.457	-.432
POA TO CENTROID in.	:	.560	.563	.488
MIN RADIUS	:	.191	.155	.173
MEAN RADIUS	:	.547	.459	.405
MAX RADIUS	:	1.143	.841	.605
HORIZONTAL SPREAD	:	1.580	1.475	1.127
VERTICAL SPREAD	:	1.245	.869	.869
EXTREME SPREAD	:	1.712	1.546	1.134
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.834	.685	.733
MINIMUM X	:	-1.344	-.926	-.878
MAXIMUM Y	:	.769	.583	.434
MINIMUM Y	:	-1.669	-1.193	-.409
CENTROID X	:	.803	.952	.904
CENTROID Y	:	-.429	-.243	-.094
POA TO CENTROID in.	:	.910	.982	.909
MIN RADIUS	:	.079	.313	.377
MEAN RADIUS	:	.857	.701	.625
MAX RADIUS	:	2.143	1.252	.884
HORIZONTAL SPREAD	:	2.178	1.611	1.611
VERTICAL SPREAD	:	2.438	1.776	.843
EXTREME SPREAD	:	3.199	1.921	1.636
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.103	.848	.952
MINIMUM X	:	-1.363	-1.241	-1.137
MAXIMUM Y	:	1.199	1.067	.908
MINIMUM Y	:	-1.188	-.886	-.753
CENTROID X	:	.340	.218	.114
CENTROID Y	:	.077	.209	.076
POA TO CENTROID in.	:	.349	.302	.137
MIN RADIUS	:	.113	.103	.233
MEAN RADIUS	:	.951	.867	.808
MAX RADIUS	:	1.620	1.352	1.188
HORIZONTAL SPREAD	:	2.466	2.089	2.089
VERTICAL SPREAD	:	2.386	1.953	1.661
EXTREME SPREAD	:	2.863	2.445	2.296
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.423	.716	.595
MINIMUM X	:	-1.143	-.985	-1.106
MAXIMUM Y	:	.644	.692	.586
MINIMUM Y	:	-.899	-.851	-.509
CENTROID X	:	.560	.402	.523
CENTROID Y	:	.579	.531	.638
POA TO CENTROID in.	:	.805	.666	.824
MIN RADIUS	:	.064	.203	.133
MEAN RADIUS	:	.767	.713	.611
MAX RADIUS	:	1.486	1.286	1.251
HORIZONTAL SPREAD	:	2.566	1.701	1.701
VERTICAL SPREAD	:	1.543	1.543	1.094
EXTREME SPREAD	:	2.870	1.998	1.892
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	