C6498758

MODEL 700™ M24

Model SWS ™

Action

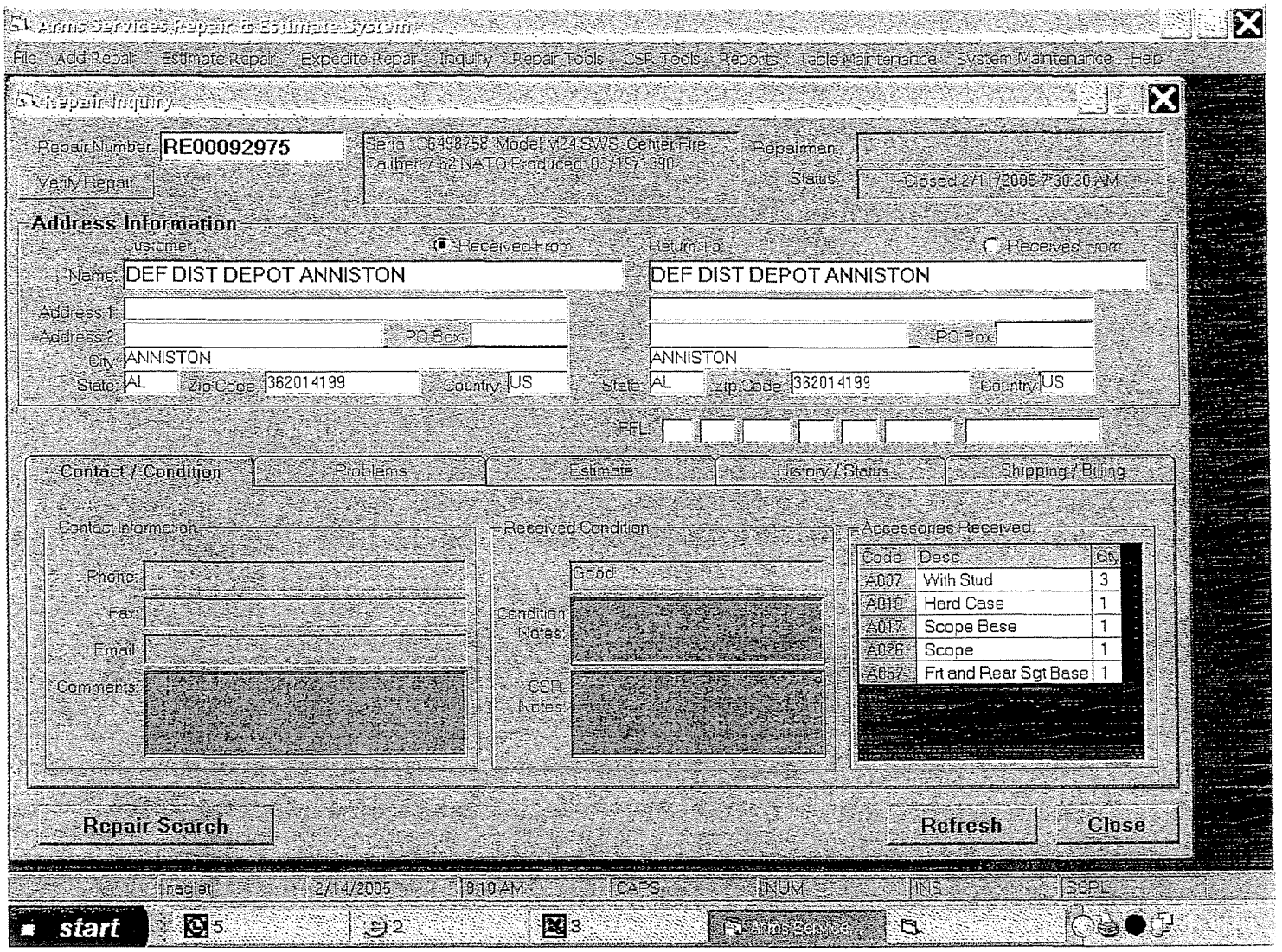
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington



Serial Number: C6498758

Model: M24 SWS

RE00092975

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498758.__0
FILE DATE AND TIME: 03/24/2005 08:54

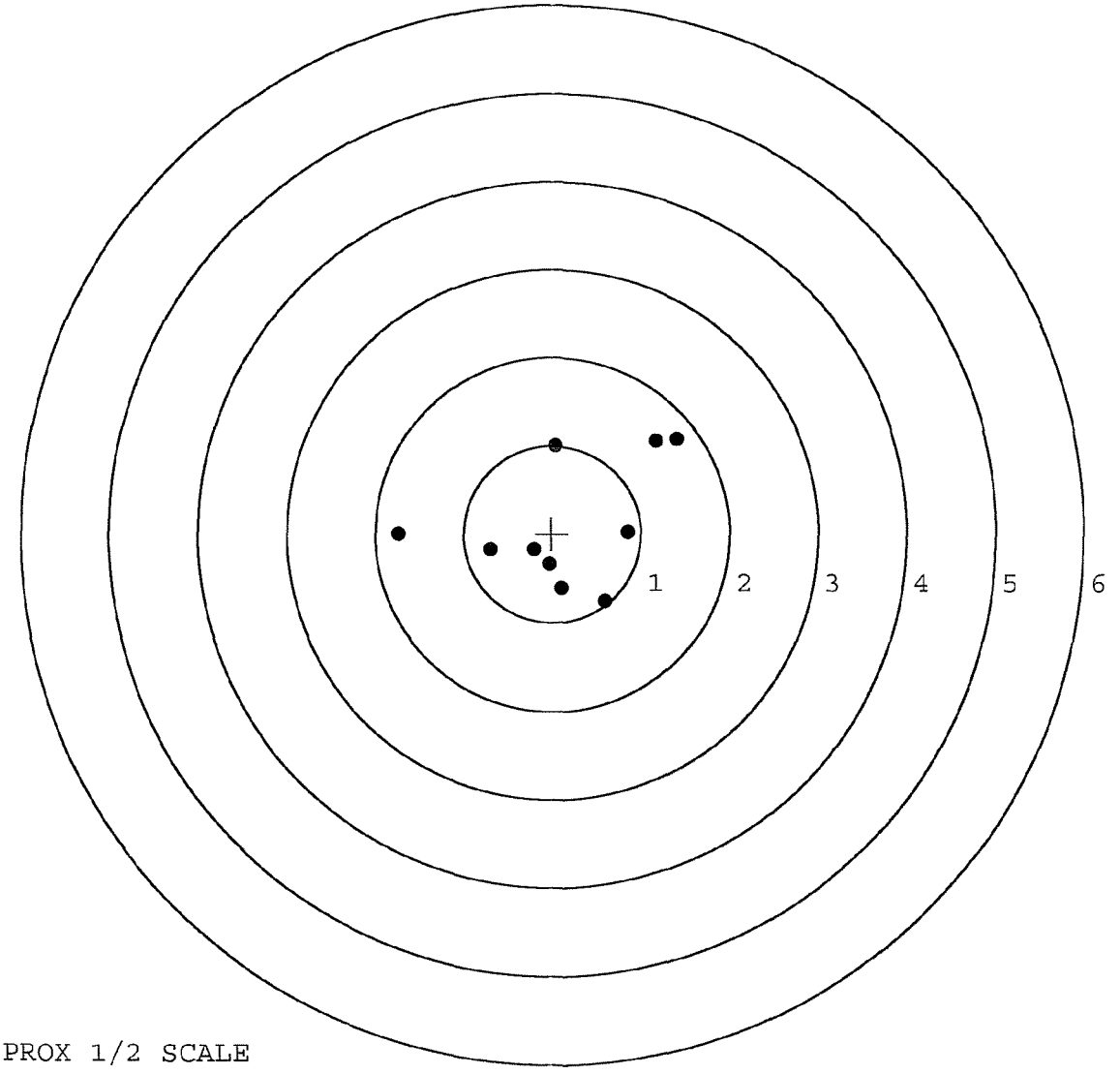
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.085
The Average Y Centroid of the Five Target Set:	-0.035
The Average Point of Impact of the Five Target Set:	0.092
The Average Mean Radius of the Five Target Set:	0.846
The Distance from POA to Centroid Target #1:	0.184
The Distance from Centroid Target #2 to Centroid Target #1:	0.260
The Distance from Centroid Target #3 to Centroid Target #1:	0.124
The Distance from Centroid Target #4 to Centroid Target #1:	0.314
The Distance from Centroid Target #5 to Centroid Target #1:	0.372

SERIAL NUMBER: C6498758.__0
TARGET NUMBER: 1
FILE DATE: 03/24/2005
FILE TIME: 08:54

X CENTROID:	0.151
Y CENTROID:	0.106
POA TO CENTROID:	0.184
HORZ SPREAD:	3.140
VERT SPREAD:	1.843
GROUP SPREAD:	3.324
MIN RADIUS:	0.457
MAX RADIUS:	1.890
MEAN RADIUS:	1.003
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	1.404	1.082
2:	1.172	1.056
3:	0.040	1.000
4:	0.853	0.023
5:	-0.700	-0.183
6:	-1.736	-0.008
7:	-0.028	-0.353
8:	0.110	-0.614
9:	0.598	-0.761
10:	-0.204	-0.182

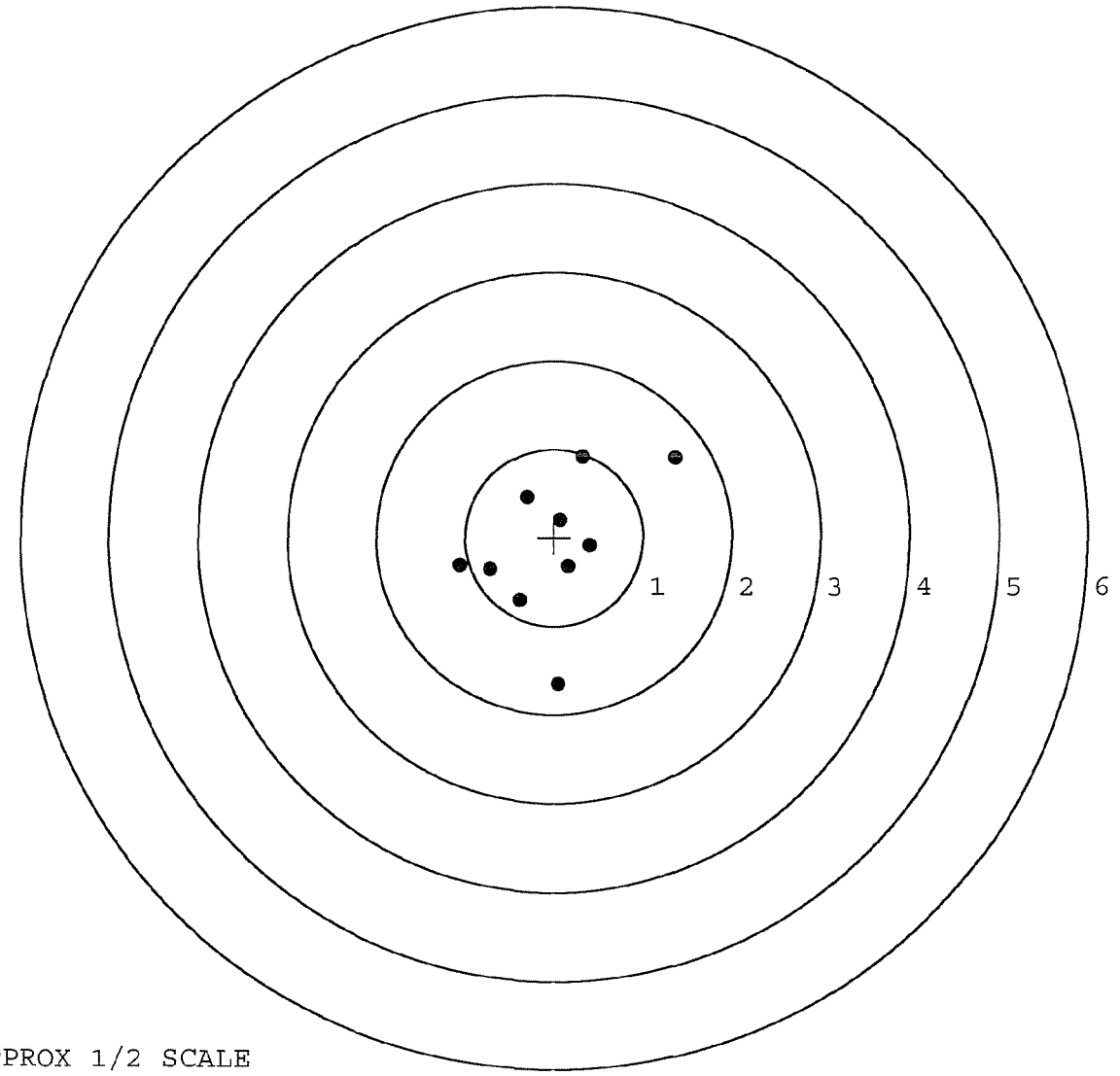


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498758.__0
TARGET NUMBER: 2
FILE DATE: 03/24/2005
FILE TIME: 08:54

X CENTROID:	-0.008
Y CENTROID:	-0.100
POA TO CENTROID:	0.100
HORZ SPREAD:	2.420
VERT SPREAD:	2.580
GROUP SPREAD:	2.885
MIN RADIUS:	0.289
MAX RADIUS:	1.702
MEAN RADIUS:	0.852
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	1.361	0.911
2:	0.326	0.920
3:	-0.303	0.460
4:	0.073	0.195
5:	0.405	-0.095
6:	0.165	-0.331
7:	-0.384	-0.710
8:	-0.715	-0.367
9:	-1.059	-0.320
10:	0.053	-1.660

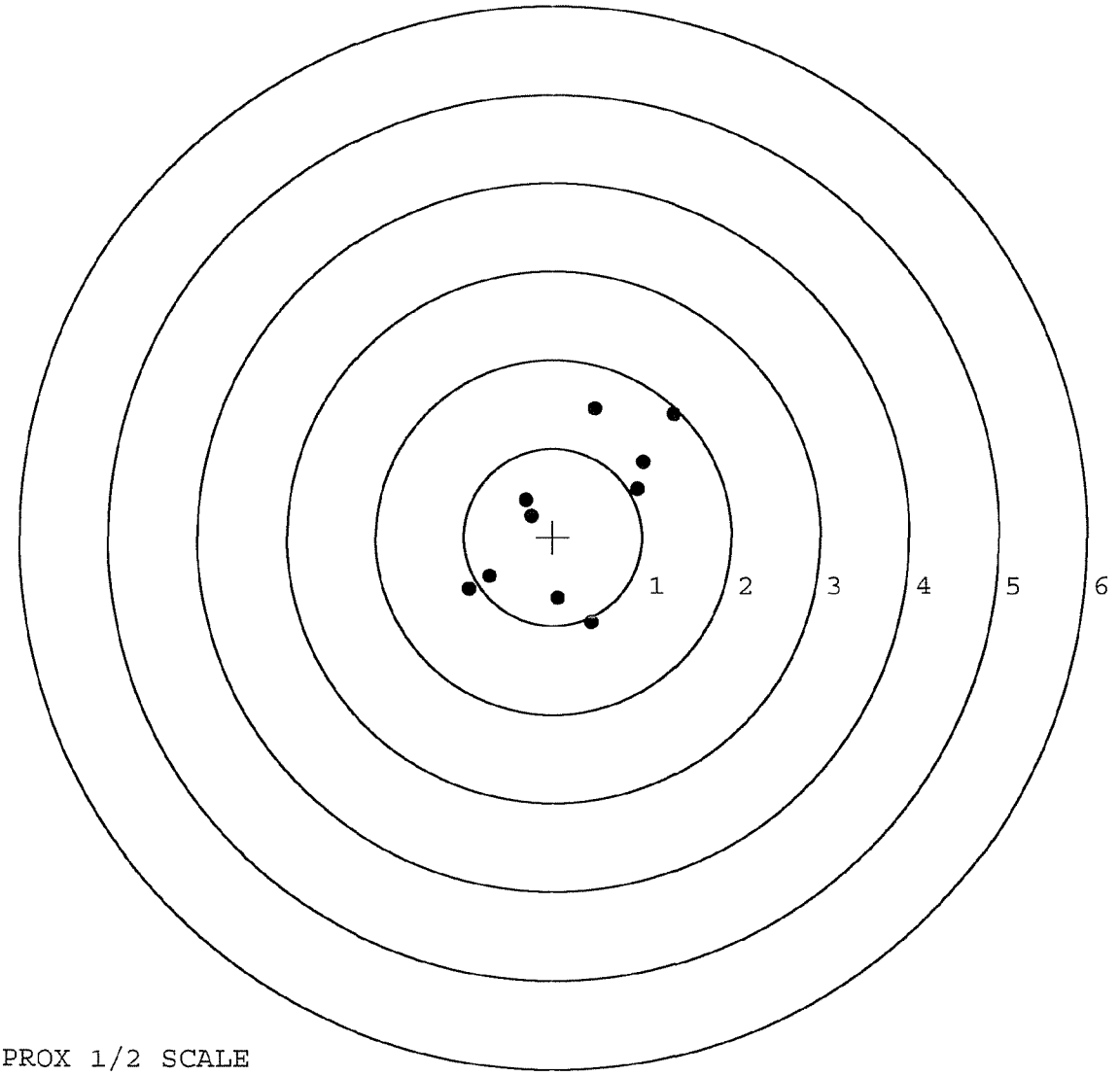


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498758.__0
TARGET NUMBER: 3
FILE DATE: 03/24/2005
FILE TIME: 08:54

X CENTROID:	0.205
Y CENTROID:	0.218
POA TO CENTROID:	0.299
HORZ SPREAD:	2.291
VERT SPREAD:	2.426
GROUP SPREAD:	3.033
MIN RADIUS:	0.455
MAX RADIUS:	1.638
MEAN RADIUS:	1.042
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	4
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	1.013	0.849
2:	0.947	0.545
3:	1.349	1.391
4:	0.468	1.453
5:	-0.249	0.235
6:	-0.308	0.419
7:	-0.942	-0.596
8:	-0.714	-0.447
9:	0.056	-0.698
10:	0.433	-0.973

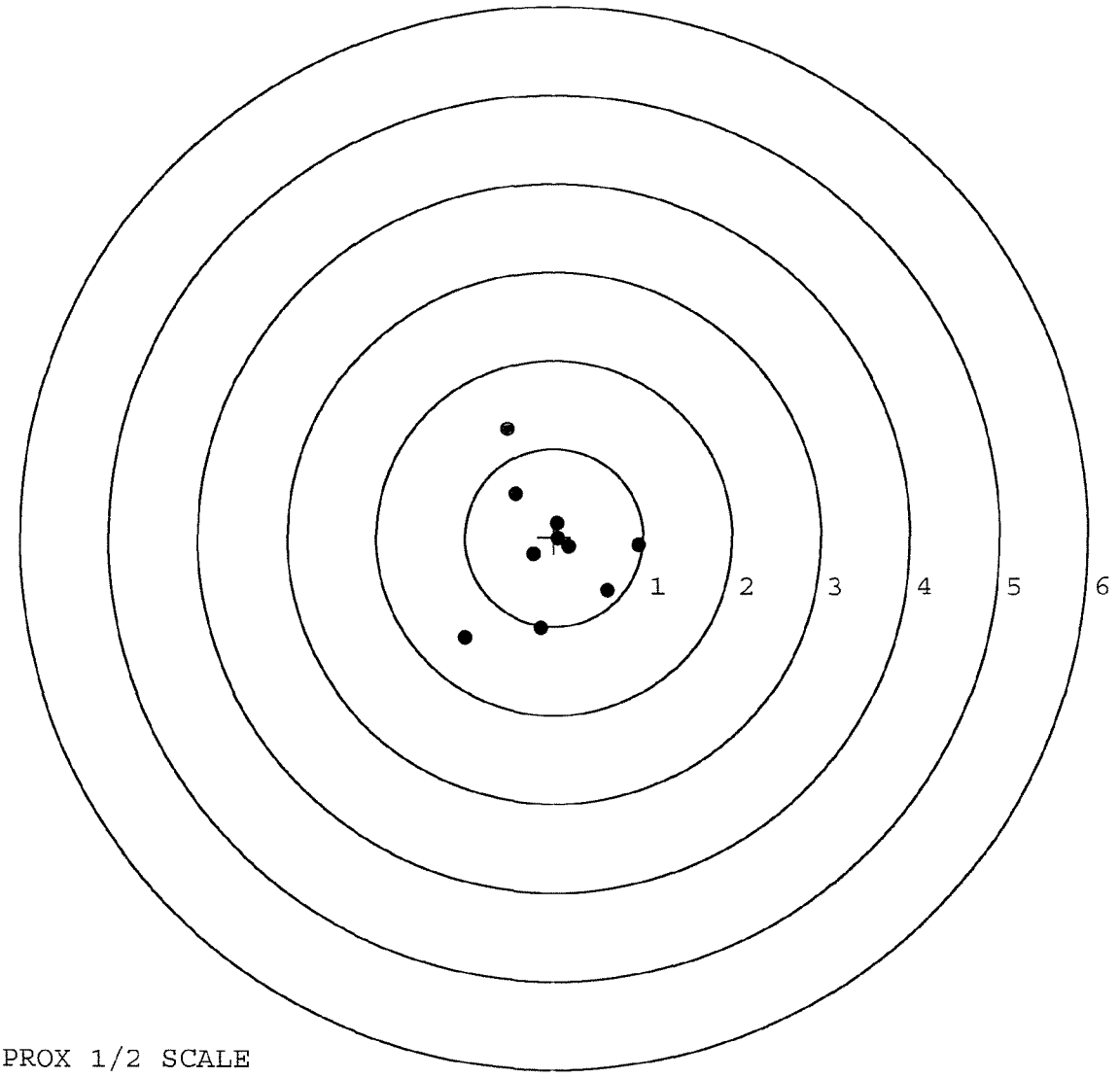


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498758.__0
TARGET NUMBER: 4
FILE DATE: 03/24/2005
FILE TIME: 08:54

X CENTROID:	-0.053
Y CENTROID:	-0.133
POA TO CENTROID:	0.143
HORZ SPREAD:	1.963
VERT SPREAD:	2.353
GROUP SPREAD:	2.402
MIN RADIUS:	0.147
MAX RADIUS:	1.429
MEAN RADIUS:	0.711
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.958	-0.100
2:	0.605	-0.605
3:	-0.151	-1.021
4:	-1.005	-1.136
5:	-0.431	0.487
6:	-0.522	1.217
7:	0.039	0.155
8:	0.163	-0.108
9:	-0.228	-0.196
10:	0.042	-0.020

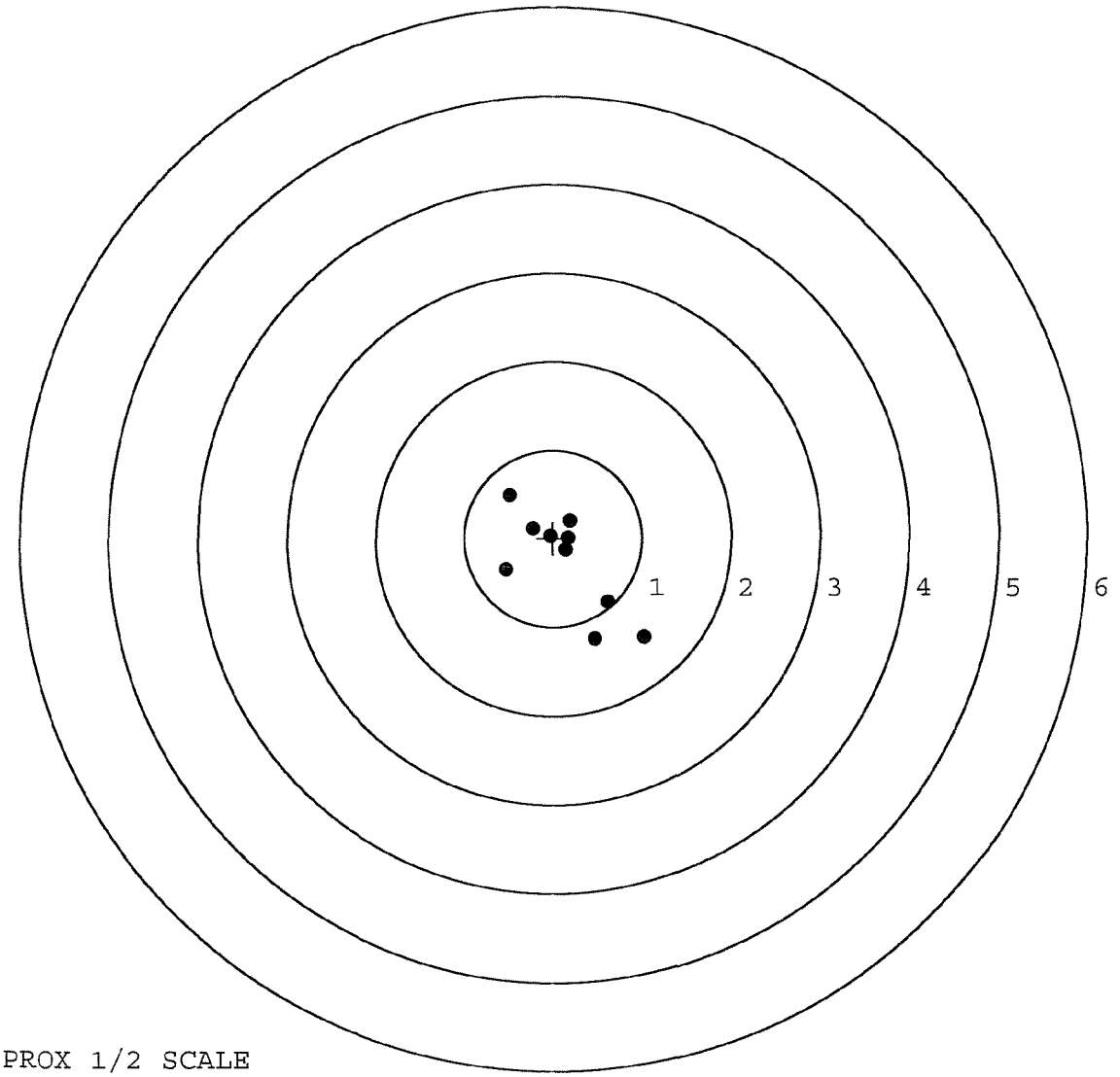


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498758.__0
TARGET NUMBER: 5
FILE DATE: 03/24/2005
FILE TIME: 08:54

X CENTROID:	0.131
Y CENTROID:	-0.265
POA TO CENTROID:	0.295
HORZ SPREAD:	1.552
VERT SPREAD:	1.628
GROUP SPREAD:	2.213
MIN RADIUS:	0.128
MAX RADIUS:	1.232
MEAN RADIUS:	0.620
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	1.022	-1.115
2:	0.472	-1.135
3:	0.615	-0.721
4:	-0.530	-0.365
5:	-0.498	0.493
6:	0.142	-0.137
7:	0.183	0.201
8:	-0.237	0.107
9:	-0.033	0.025
10:	0.171	-0.003



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92975		
SERIAL NUMBER	C6498758		
LOG-IN DATE	2-11-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-18-05	RTZ
560 A	RE-BARREL	2-22-05	RTZ
B	DRILL AND TAP	2-28-05	TRW
575	ASSEMBLE	2-23-05	RTZ
600	PROOF	2-24-05 MAGNA-FLUX INSPECTED MAR 0 2005	AC
605	CHECK HEADSPACE	2-24-05	AC
610	DIS-ASSEMBLE GUN	2-24-05	RTZ
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	3-1-05	CW
618	ROTO-BLAST	3-3-05	LB
620	APPLY COATINGS	3/16/05	
625 A	FINAL ASSEMBLY	3-23-05	RTZ
B	TRIGGER PULL TEST	3-31-05	TRW
C	SAFETY "ON" FORCE	3-31-05	[illegible]
D	SAFETY "OFF" FORCE	3-31-05	[illegible]
E	FIRING PIN INDENT	3-31-05	[illegible]
640	TARGET	3-24-05	TRW
655	FINAL INSPECT	3-31-05	[illegible]
660	PACK	4405	QA
		SHIP DATE	
	QAR INSPECTION DATE		

AVERAGE PULL FORCE BETWEEN INITIAL & CYCLE TESTS
2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. _____

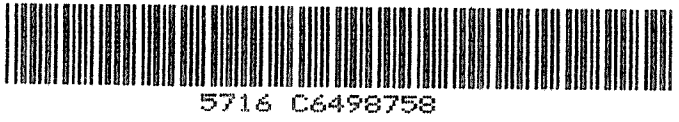
DATE 2-18-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.47	2.65		2.19	
PULL #2	2.41	2.47		2.11	
PULL #3	2.43	2.43		2.19	
PULL #4	2.42	2.34		2.27	
PULL #5	2.40	2.32		2.30	
TOTAL	12.13	12.21		11.06	
AVERAGE	2.42	2.44		2.21	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.16	3.13		
PULL #2	3.18	3.10		
PULL #3	3.15	3.05		
PULL #4	3.15	3.01		
PULL #5	3.12	2.95		
TOTAL	15.76	15.24		
AVERAGE	3.15	3.04		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.17	4.39		4.38
PULL #2	4.09	3.97		4.40
PULL #3	4.12	4.37		4.43
PULL #4	4.14	3.98		4.24
PULL #5	4.07	4.33		4.43
TOTAL	20.59	21.04		21.88
AVERAGE	4.11	4.20		4.37



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498758

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9	90	RW
600	Proof	5 9	90	RW
607	Check Headspace	5 9	90	RW
610	Dis-assemble Gun	5 9	90	RW
612	Magnaflux Barrel Action	5-15-90		KER
	Magnaflux Bolt	5-15-90		KER
615	Rollmark Caliber	5-15-90		GS
617	Drill and Tap Sight Holes		5/17/90	FB
618	Polish Barrel RWS		5/10/90	RWS
620	Apply Coatings (Barrel Action)		5-25-90	TH
	Apply Coating (Bolt)		5-25-90	TH
625	Final Assembly A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/30/90	DL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			5/30/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			5/30/90	WB
	H) Trigger Pull Test & Retainability						5/30/90	
	I) Firing Pin Indent	.0235	.0235	.0235			5/30/90	WB
	J) Assemble Stock						5/30/90	RW
	K) Assemble Swivel Studs						6-6-90	
	L) Attach Front and Rear Sight Assemblies						5/30/90	RW
	M) Iron Sight Alignment						5/30/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/30/90	RW
	O) Attach Scope to Rifle						5/30/90	WB
	P) Detach & Attach Scope 20 Times						5/30/90	WB
640	Gallery Target & Test						6-1-90	
	A) Time						"	
	B) Malfunctions						"	
	C) Pierced Primers						"	
	D) Optical Clearity of Scope						"	
645	Inspect for Live Ammo						6-1-90	
655	Final Inspection A) Headspace						6-8-90	
	B) Trigger Pull	255	242	256	254	251	6-6-90	
	C) Function						6-6-90	
660	Pack						6/9/90	

SWS TRIGGER PULL TEST

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

SERIAL NO. C6498758

DATE 5/30/90

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.22	2.28	2.30	2.55	MIN. SETTING,
PULL #2	2.34	2.17	2.35	2.42	NO AVG. OF 5
PULL #3	2.22	2.22	2.20	2.56	READINGS ACCEPT-
PULL #4	2.36	2.14	2.24	2.54	ABLE LESS THAN 2#
PULL #5	2.27	2.31	2.36	2.51	
TOTAL	11.41	11.12	11.45		
AVG.	2.282	2.224	2.29		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.14		
PULL #2	3.46	3.49		
PULL #3	3.13	3.10		
PULL #4	3.18	3.11		
PULL #5	3.40	3.30		
TOTAL	16.64	16.14		
AVG.	3.328	3.228		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.28		4.27
PULL #2	4.21	4.25		4.30
PULL #3	4.48	4.24		4.37
PULL #4	4.28	4.13		4.34
PULL #5	4.48	4.43		4.25
TOTAL	21.70	21.33		21.53
AVG.	4.34	4.266		4.306

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498758
1 Jun 1990

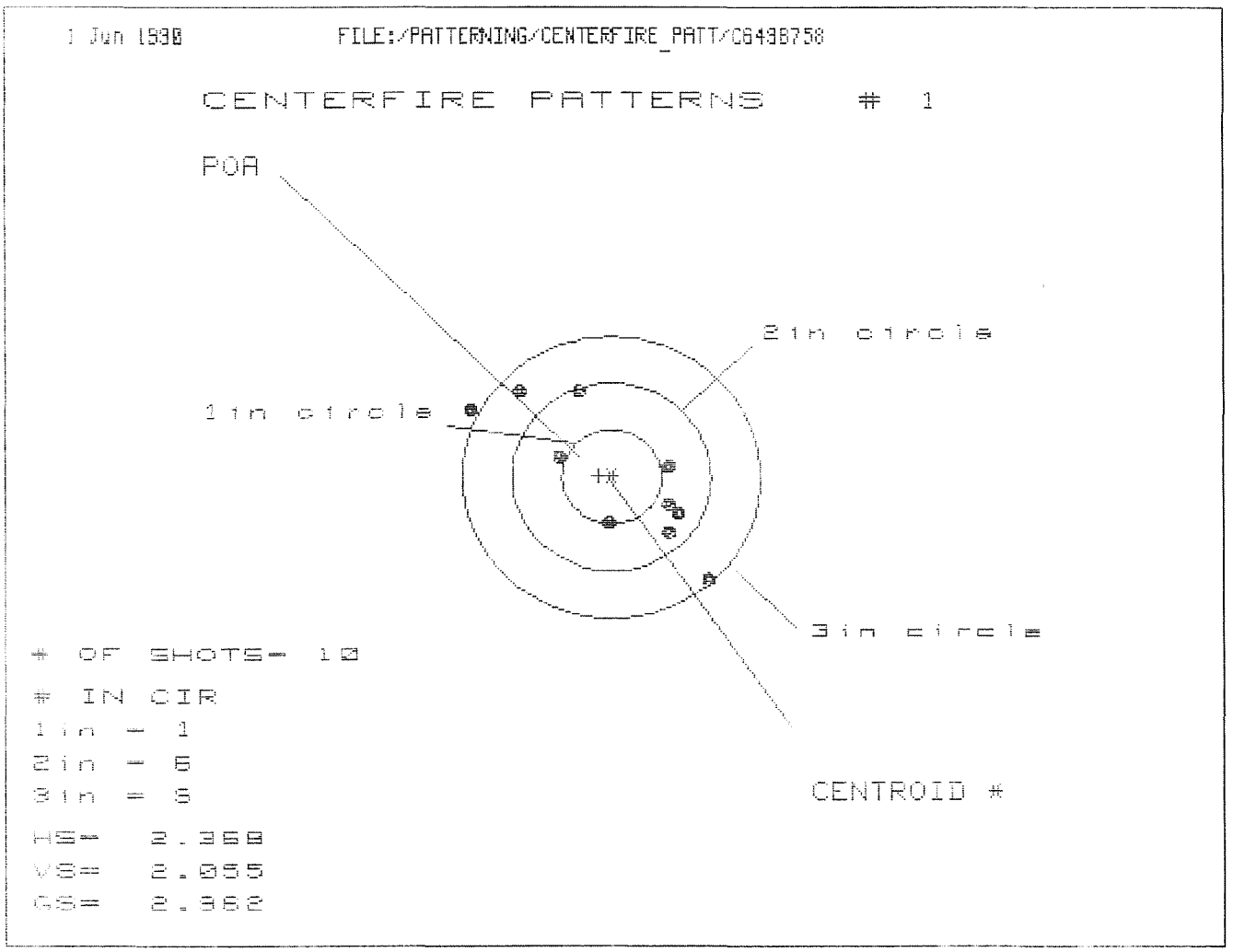
CENTROIDAL DISTANCES

0	TO	1	.128876
1	TO	2	.239069
1	TO	3	.225204
1	TO	4	.243477
1	TO	5	.394129

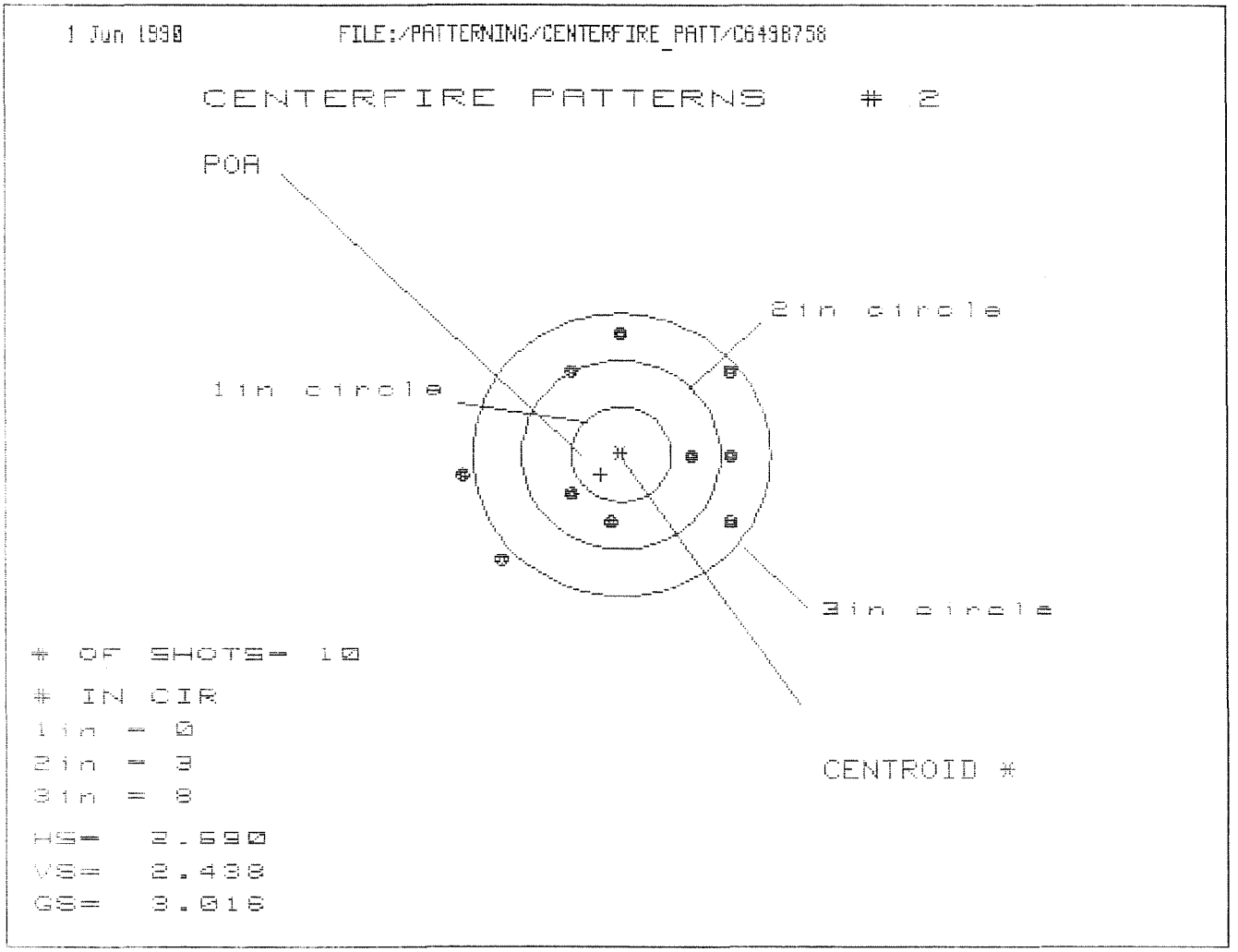
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1122
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0772
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .136194

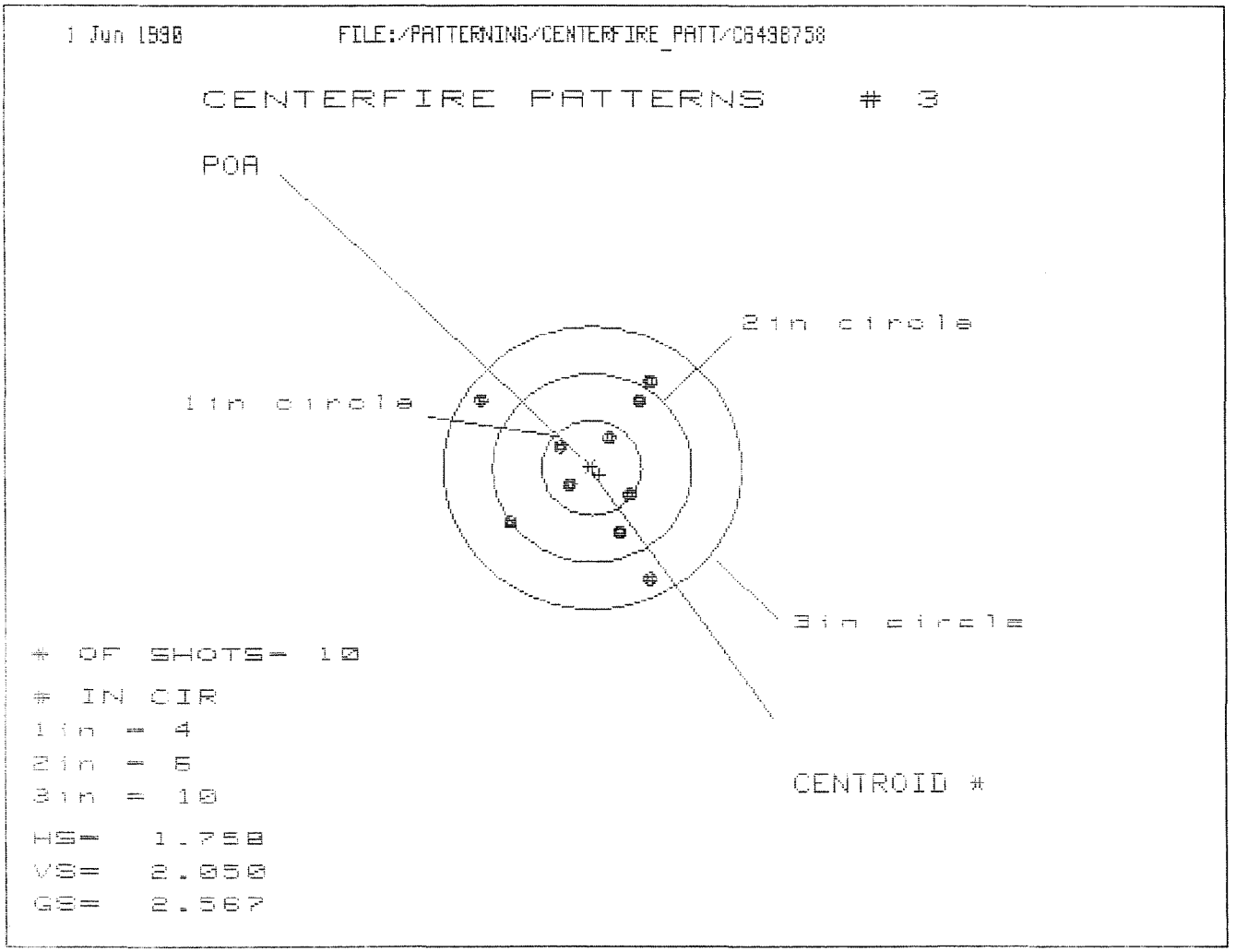
THE AMR FOR THIS RIFLE IS: .9318



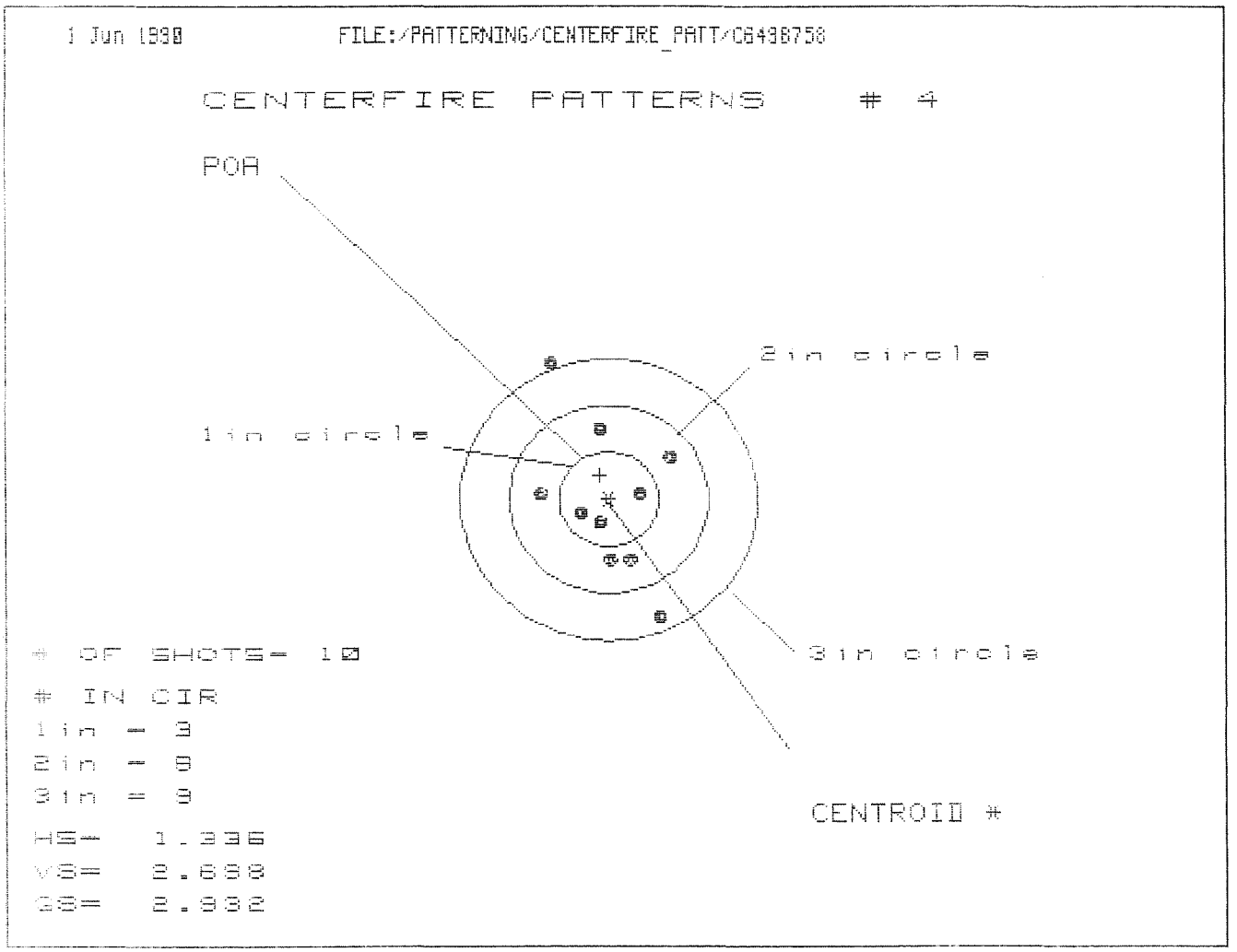
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.930	.771	.562
MINIMUM X	:	-1.438	-1.111	-1.015
MAXIMUM Y	:	.948	1.023	.894
MINIMUM Y	:	-1.107	-1.032	-.635
CENTROID X	:	.128	.287	.191
CENTROID Y	:	-.015	-.090	.039
POA TO CENTROID in.	:	.129	.301	.195
MIN RADIUS	:	.456	.436	.521
MEAN RADIUS	:	.921	.808	.769
MAX RADIUS	:	1.588	1.485	1.328
HORIZONTAL SPREAD	:	2.368	1.882	1.577
VERTICAL SPREAD	:	2.055	2.055	1.529
EXTREME SPREAD	:	2.962	2.759	2.101
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	



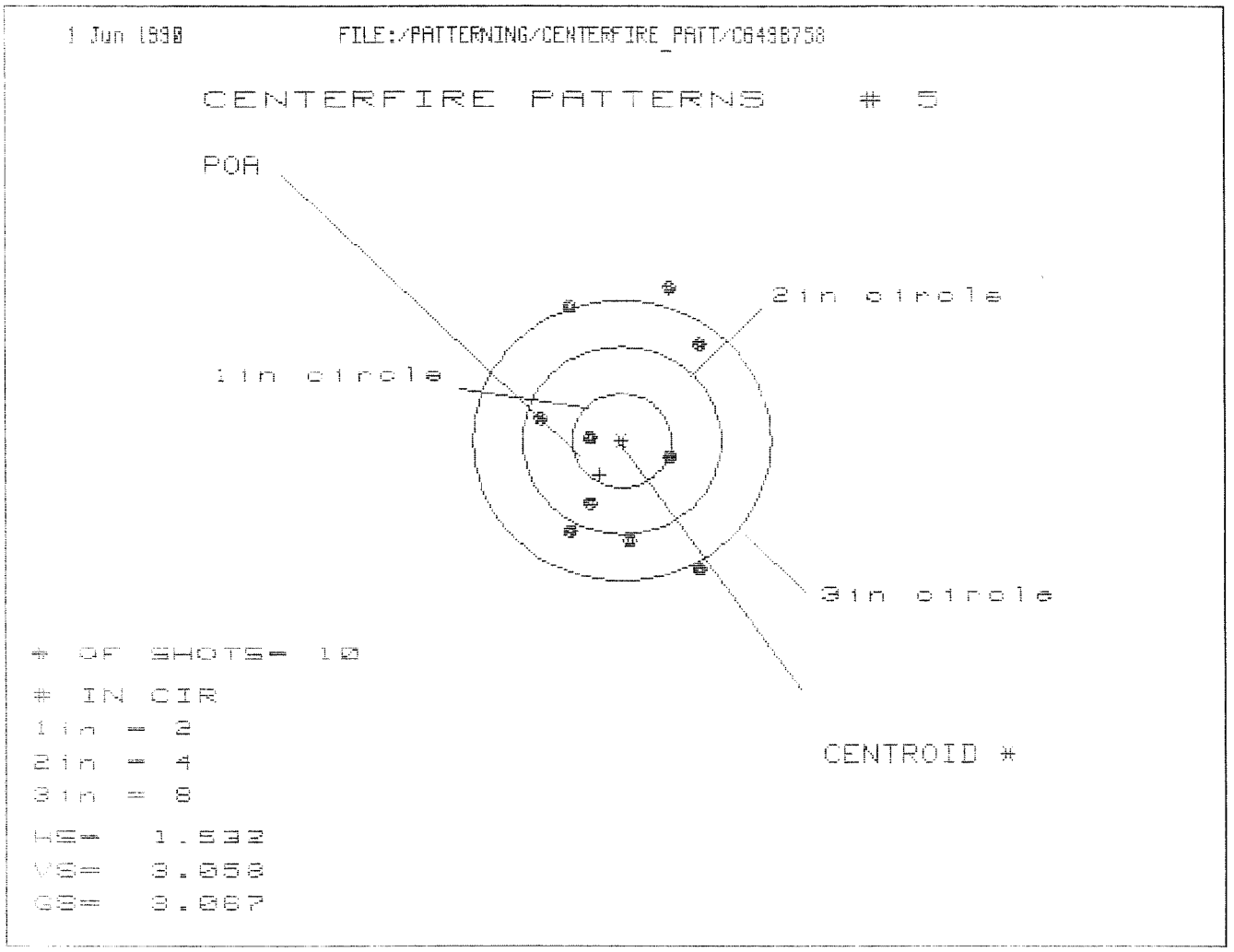
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.085	.906	.739
MINIMUM X	:	-1.605	-1.337	-.864
MAXIMUM Y	:	1.313	1.290	1.146
MINIMUM Y	:	-1.126	-1.148	-.849
CENTROID X	:	.203	.382	.549
CENTROID Y	:	.212	.234	.378
POA TO CENTROID in.	:	.293	.448	.666
MIN RADIUS	:	.593	.517	.402
MEAN RADIUS	:	1.136	1.063	.955
MAX RADIUS	:	1.619	1.762	1.205
HORIZONTAL SPREAD	:	2.690	2.243	1.603
VERTICAL SPREAD	:	2.438	2.438	1.995
EXTREME SPREAD	:	3.016	3.016	2.278
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.622	.496	.556
MINIMUM X	:	-1.136	-.951	-.891
MAXIMUM Y	:	.881	.960	.824
MINIMUM Y	:	-1.169	-1.090	-.693
CENTROID X	:	-.078	.048	-.012
CENTROID Y	:	.076	-.003	.133
POA TO CENTROID in.	:	.109	.048	.134
MIN RADIUS	:	.284	.335	.270
MEAN RADIUS	:	.781	.714	.642
MAX RADIUS	:	1.342	1.192	1.090
HORIZONTAL SPREAD	:	1.758	1.447	1.447
VERTICAL SPREAD	:	2.050	2.050	1.517
EXTREME SPREAD	:	2.567	2.051	2.051
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.616	.550	.610
MINIMUM X	:	-.720	-.786	-.726
MAXIMUM Y	:	1.448	.916	.780
MINIMUM Y	:	-1.250	-1.089	-.665
CENTROID X	:	.087	.153	.093
CENTROID Y	:	-.255	-.416	-.280
POA TO CENTROID in.	:	.269	.443	.295
MIN RADIUS	:	.244	.177	.224
MEAN RADIUS	:	.748	.638	.565
MAX RADIUS	:	1.567	1.192	.805
HORIZONTAL SPREAD	:	1.336	1.336	1.336
VERTICAL SPREAD	:	2.698	2.005	1.445
EXTREME SPREAD	:	2.932	2.100	1.448
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.748	.805	.901
MINIMUM X	:	-.784	-.727	-.627
MAXIMUM Y	:	1.671	1.582	1.432
MINIMUM Y	:	-1.387	-1.201	-1.022
CENTROID X	:	.221	.164	.064
CENTROID Y	:	.368	.182	.332
POA TO CENTROID in.	:	.429	.245	.338
MIN RADIUS	:	.344	.358	.197
MEAN RADIUS	:	1.073	.965	.896
MAX RADIUS	:	1.748	1.649	1.477
HORIZONTAL SPREAD	:	1.532	1.532	1.528
VERTICAL SPREAD	:	3.058	2.783	2.454
EXTREME SPREAD	:	3.067	3.059	2.526
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	