C6587507

MODEL 700™ M24

Model SWS™

Action

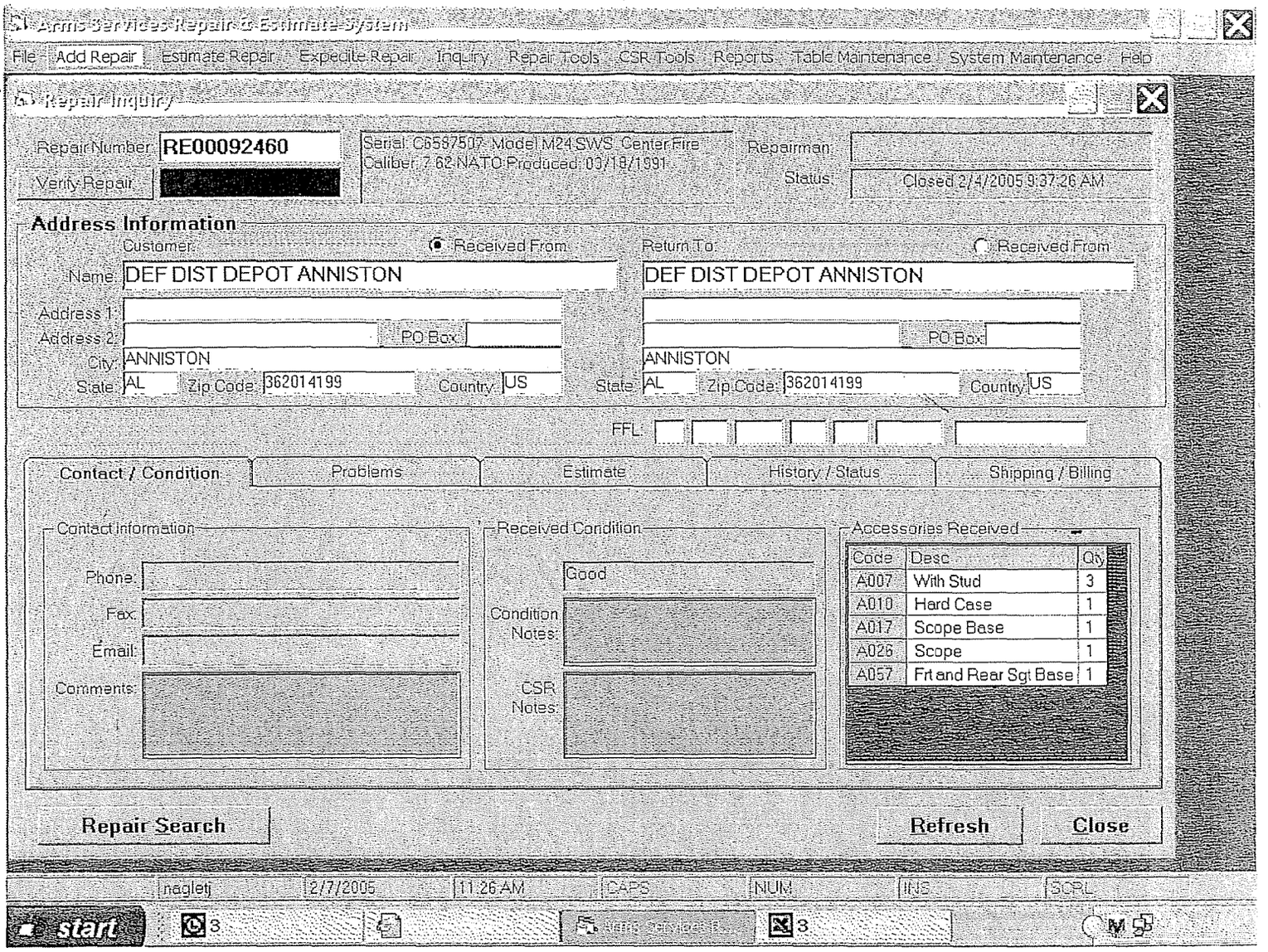
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington®



Serial Number: C6587507

Model: M24 SWS

RE00092460

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587507.__0
FILE DATE AND TIME: 05/04/2005 06:30

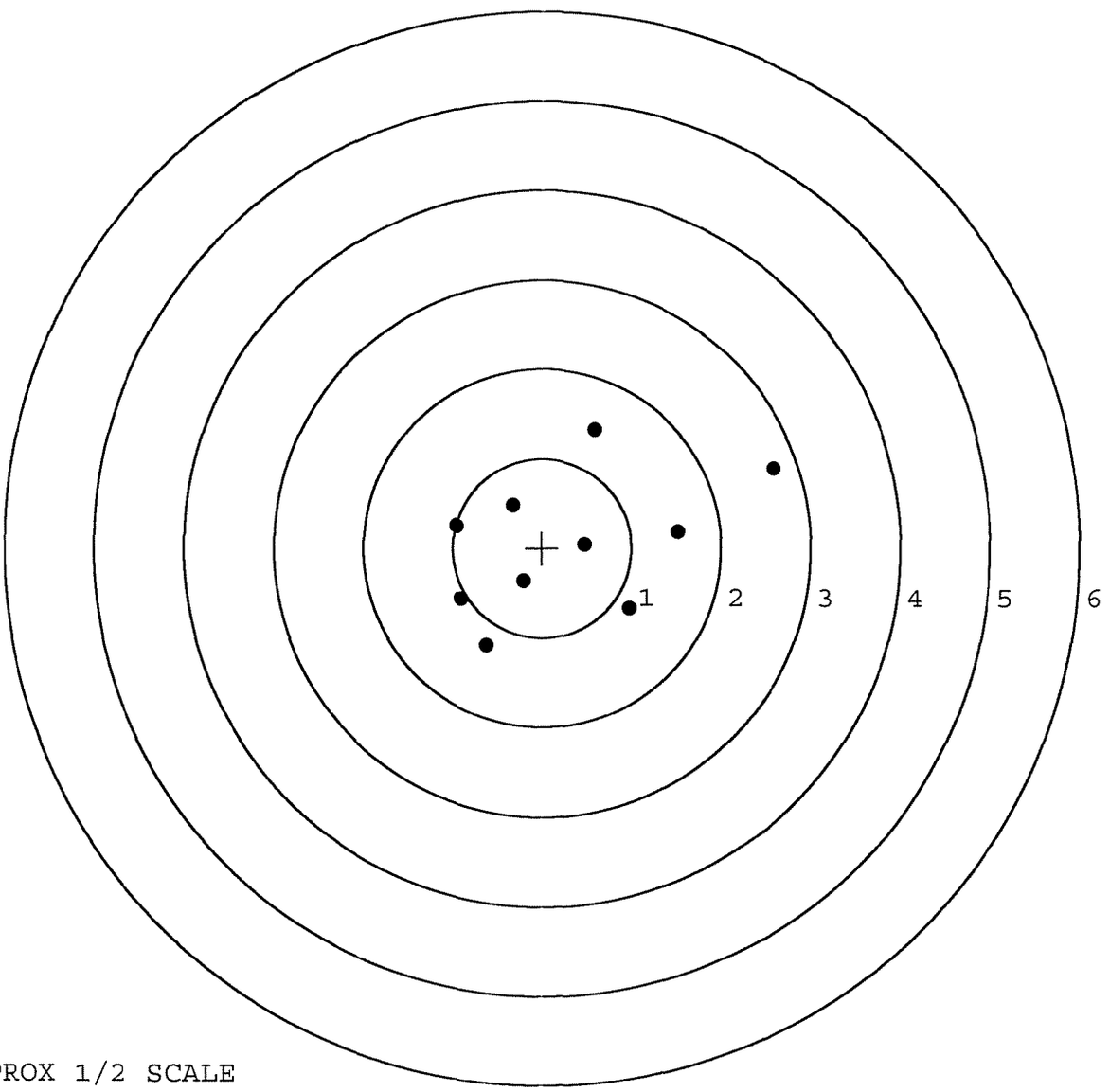
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.088
The Average Y Centroid of the Five Target Set:	-0.019
The Average Point of Impact of the Five Target Set:	0.090
The Average Mean Radius of the Five Target Set:	0.963
The Distance from POA to Centroid Target #1:	0.316
The Distance from Centroid Target #2 to Centroid Target #1:	0.414
The Distance from Centroid Target #3 to Centroid Target #1:	0.432
The Distance from Centroid Target #4 to Centroid Target #1:	0.066
The Distance from Centroid Target #5 to Centroid Target #1:	0.311

SERIAL NUMBER: C6587507.__0
TARGET NUMBER: 1
FILE DATE: 05/04/2005
FILE TIME: 06:30

X CENTROID:	0.312
Y CENTROID:	0.047
POA TO CENTROID:	0.316
HORZ SPREAD:	3.551
VERT SPREAD:	2.415
GROUP SPREAD:	3.790
MIN RADIUS:	0.170
MAX RADIUS:	2.427
MEAN RADIUS:	1.168
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	4
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	2.586	0.897
2:	1.517	0.191
3:	0.977	-0.680
4:	0.482	0.040
5:	0.592	1.325
6:	-0.328	0.478
7:	-0.211	-0.368
8:	-0.965	0.251
9:	-0.909	-0.570
10:	-0.620	-1.090

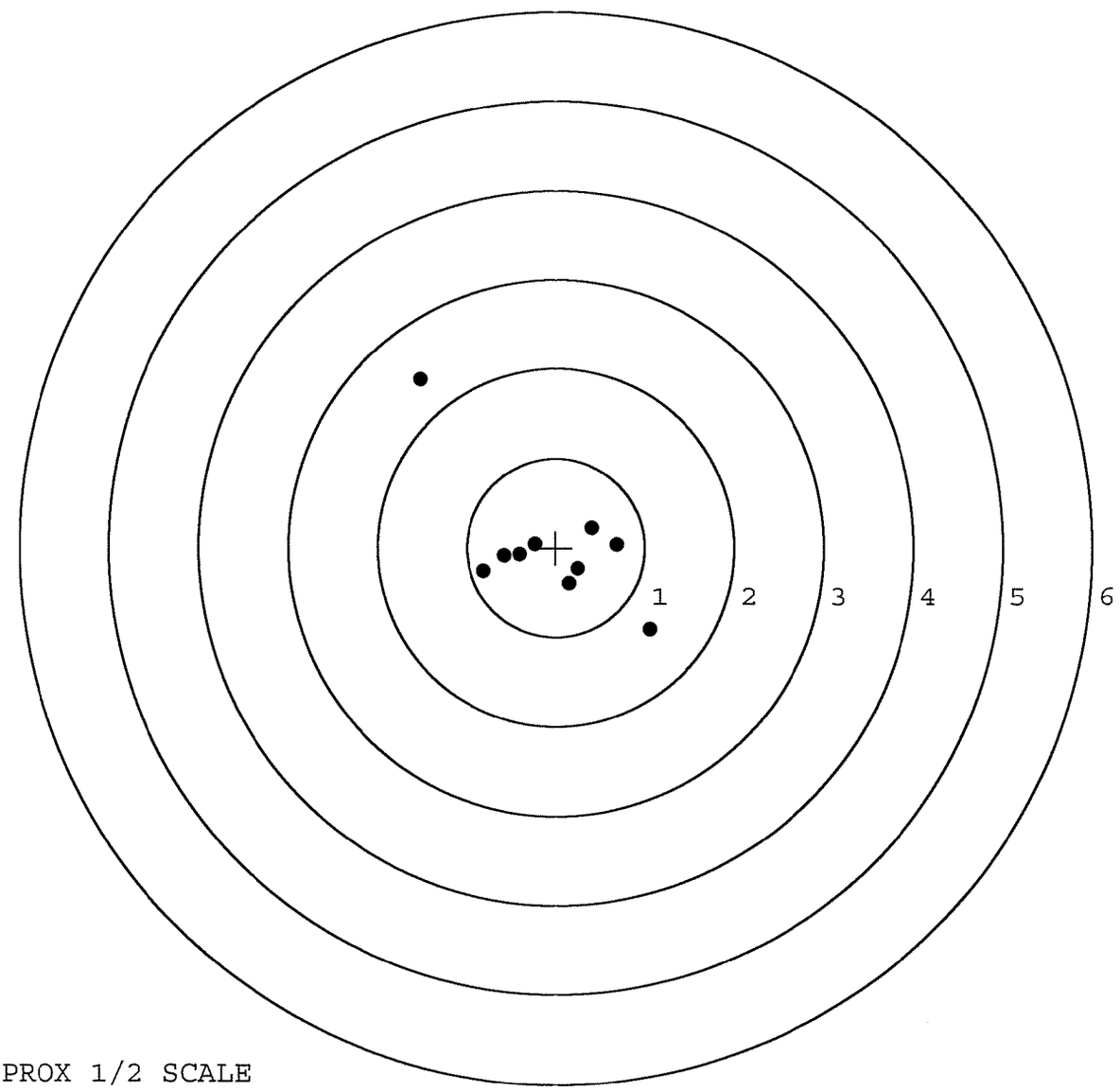


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587507.__0
TARGET NUMBER: 2
FILE DATE: 05/04/2005
FILE TIME: 06:30

X CENTROID:	-0.101
Y CENTROID:	0.018
POA TO CENTROID:	0.103
HORZ SPREAD:	2.576
VERT SPREAD:	2.801
GROUP SPREAD:	3.805
MIN RADIUS:	0.135
MAX RADIUS:	2.339
MEAN RADIUS:	0.781
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	1.056	-0.923
2:	0.690	0.037
3:	0.407	0.222
4:	-1.520	1.878
5:	0.248	-0.234
6:	0.148	-0.406
7:	-0.234	0.042
8:	-0.407	-0.079
9:	-0.586	-0.093
10:	-0.815	-0.262

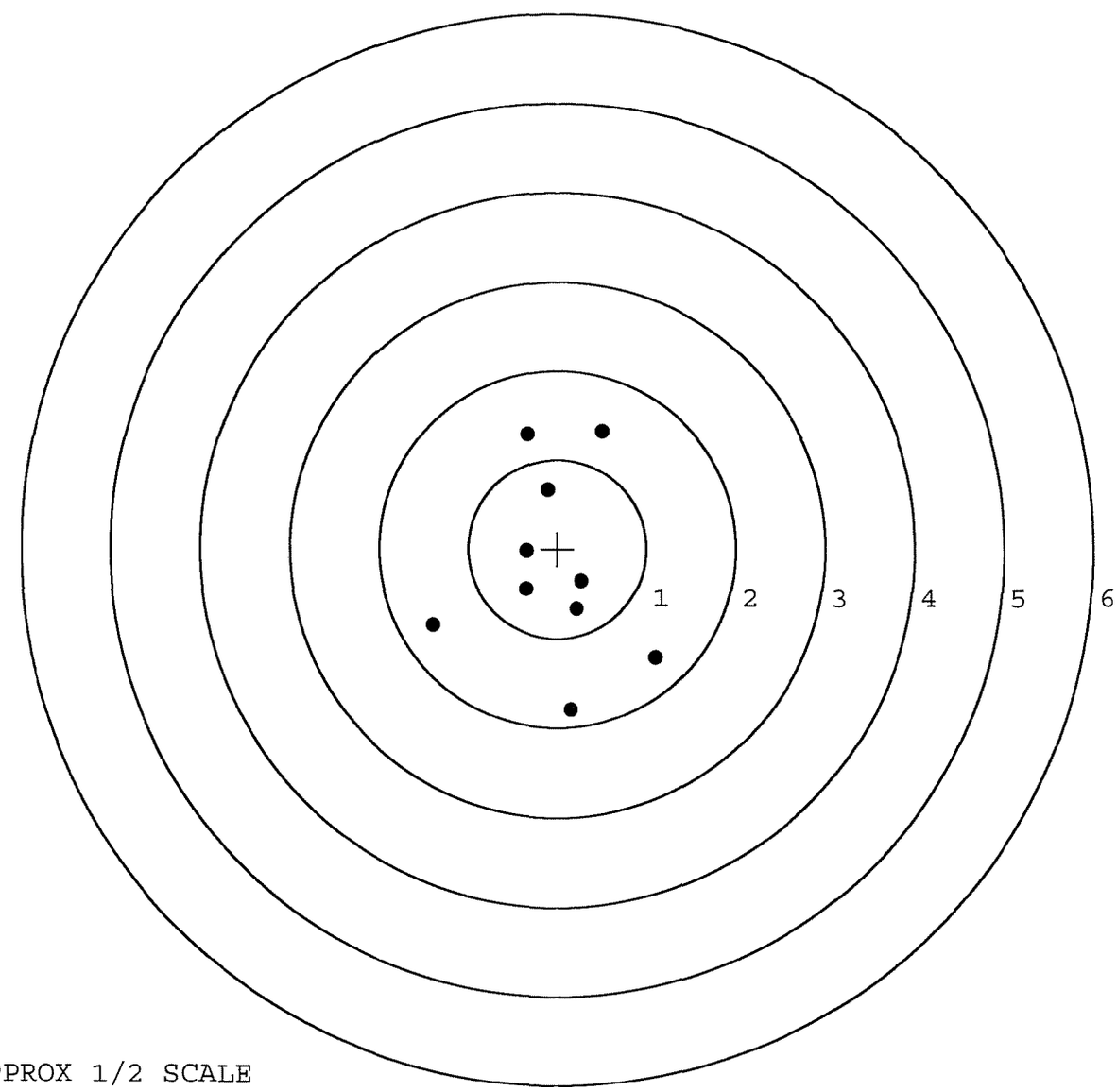


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587507.__0
TARGET NUMBER: 3
FILE DATE: 05/04/2005
FILE TIME: 06:30

X CENTROID:	-0.032
Y CENTROID:	-0.215
POA TO CENTROID:	0.217
HORZ SPREAD:	2.504
VERT SPREAD:	3.122
GROUP SPREAD:	3.141
MIN RADIUS:	0.333
MAX RADIUS:	1.621
MEAN RADIUS:	1.029
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	5
# in 3 IN DIAMETER:	5

POINT#	X	Y
1:	1.104	-1.222
2:	0.156	-1.806
3:	0.220	-0.675
4:	0.267	-0.362
5:	-0.359	-0.455
6:	-0.350	-0.028
7:	-1.400	-0.855
8:	-0.108	0.655
9:	0.500	1.316
10:	-0.346	1.283

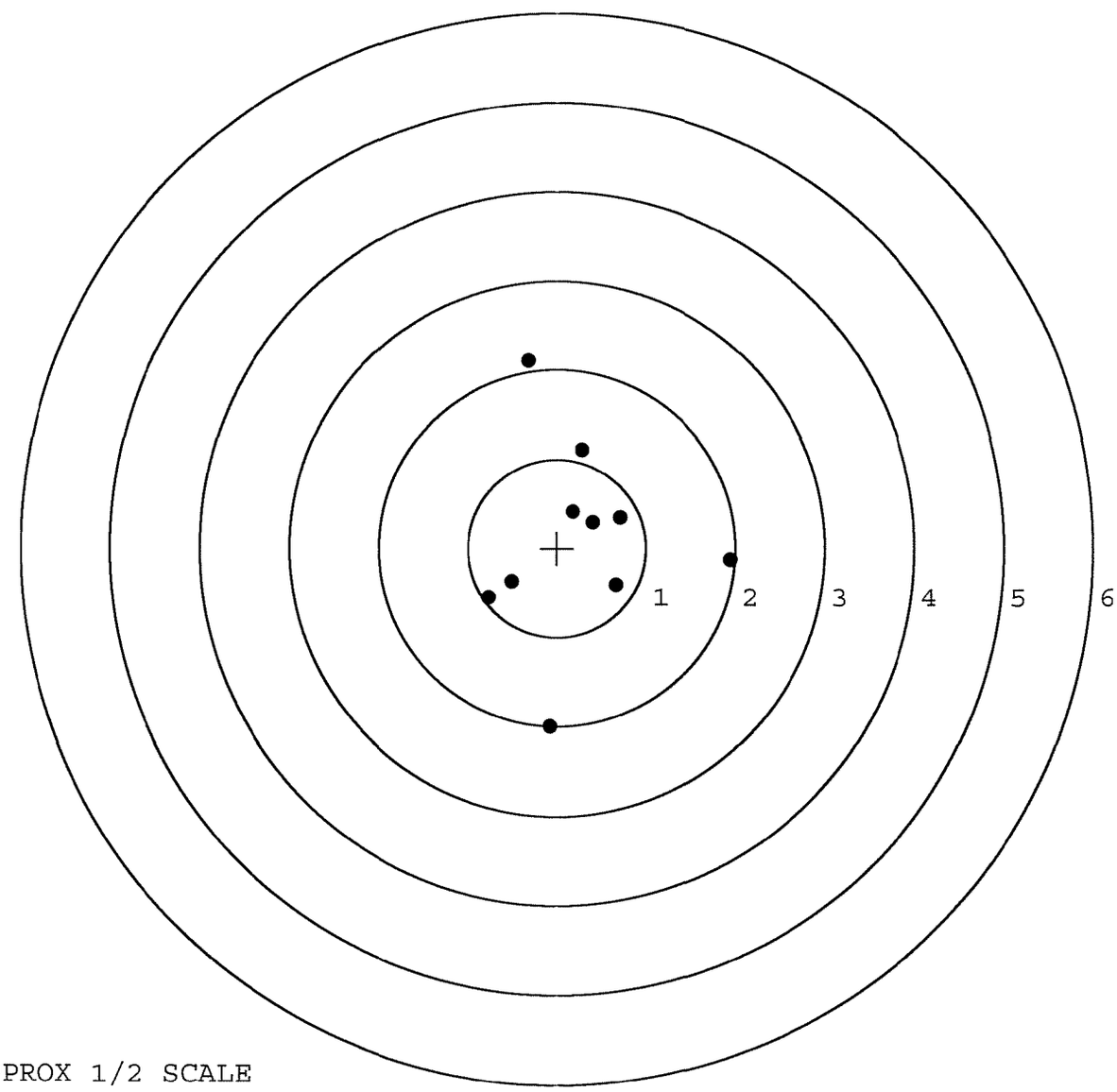


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587507.__0
TARGET NUMBER: 4
FILE DATE: 05/04/2005
FILE TIME: 06:30

X CENTROID:	0.253
Y CENTROID:	0.076
POA TO CENTROID:	0.264
HORZ SPREAD:	2.714
VERT SPREAD:	4.104
GROUP SPREAD:	4.111
MIN RADIUS:	0.267
MAX RADIUS:	2.112
MEAN RADIUS:	1.083
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	5
# in 3 IN DIAMETER:	7

POINT#	X	Y
1:	0.672	-0.417
2:	1.941	-0.127
3:	-0.081	-2.010
4:	0.719	0.346
5:	0.411	0.291
6:	0.185	0.412
7:	0.287	1.102
8:	-0.511	-0.378
9:	-0.773	-0.554
10:	-0.321	2.094

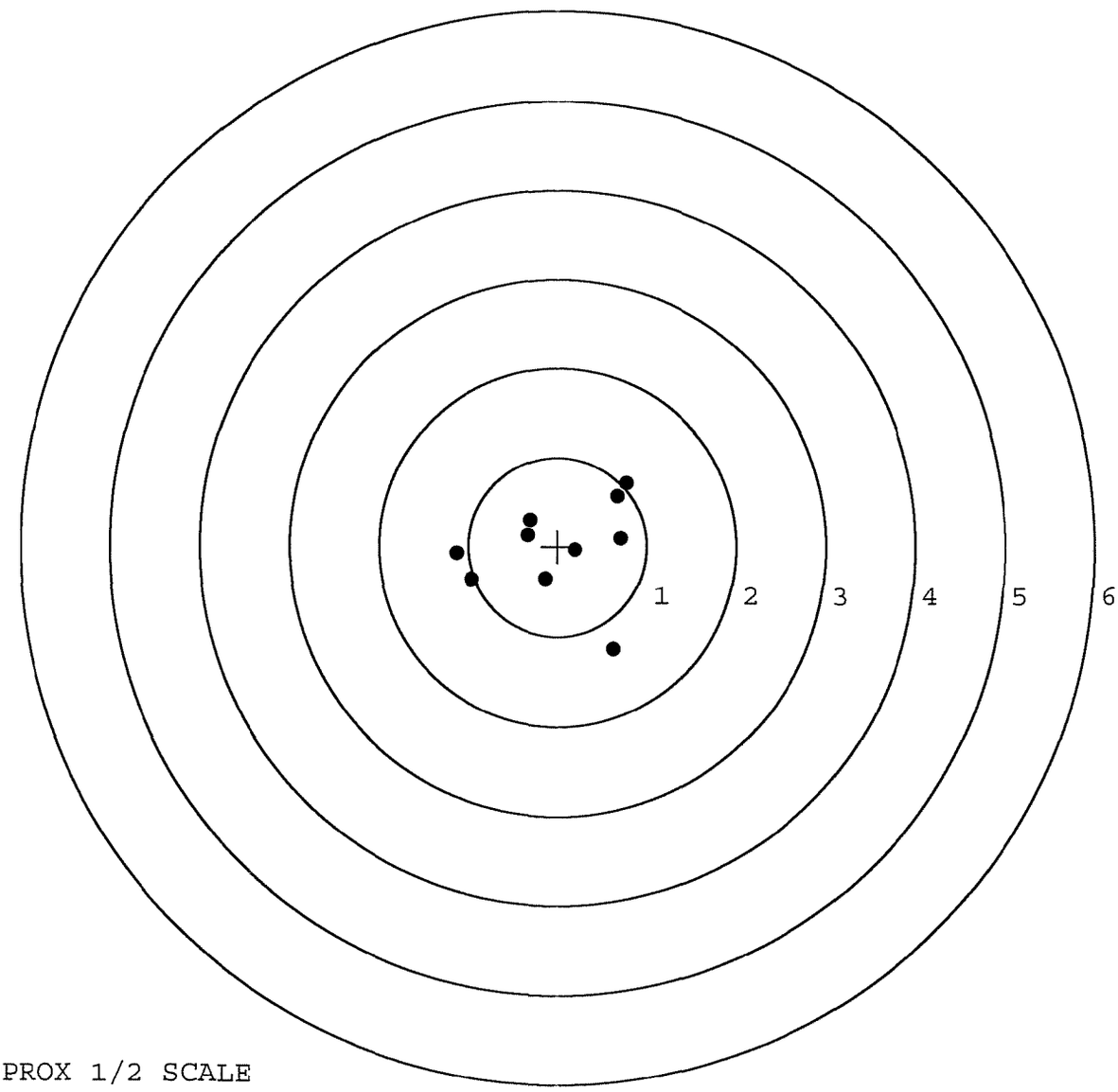


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587507.__0
TARGET NUMBER: 5
FILE DATE: 05/04/2005
FILE TIME: 06:30

X CENTROID:	0.009
Y CENTROID:	-0.023
POA TO CENTROID:	0.025
HORZ SPREAD:	1.912
VERT SPREAD:	1.854
GROUP SPREAD:	2.058
MIN RADIUS:	0.190
MAX RADIUS:	1.280
MEAN RADIUS:	0.753
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.628	-1.144
2:	0.709	0.092
3:	0.778	0.710
4:	0.680	0.564
5:	0.199	-0.041
6:	-0.143	-0.371
7:	-0.337	0.125
8:	-0.313	0.294
9:	-0.973	-0.379
10:	-1.134	-0.081

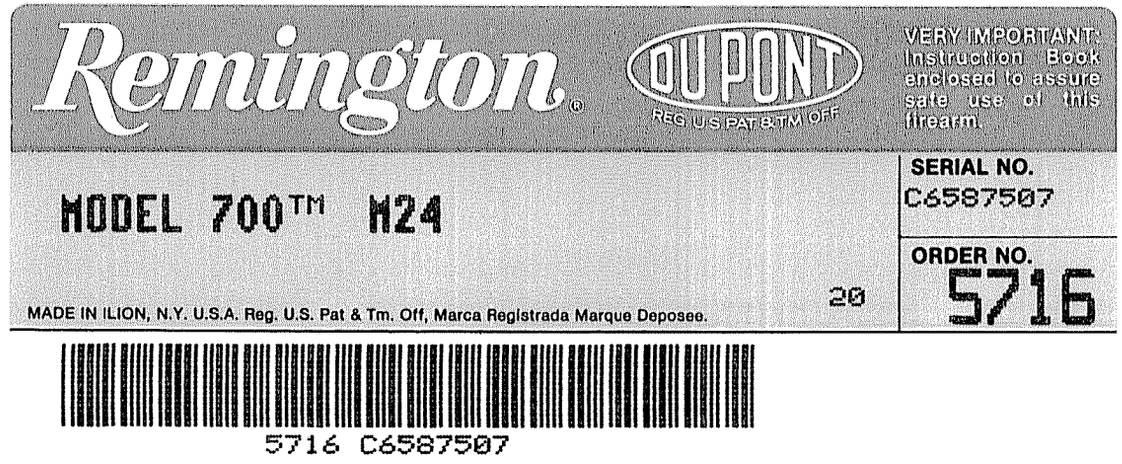


TARGET APPROX 1/2 SCALE

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

R & E NUMBER	~~925~~ 92460		
SERIAL NUMBER	C6587507		
LOG-IN DATE	2-4-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	4-1-05	RTL
560 A	RE-BARREL	4-7-05	RTL
B	DRILL AND TAP	4-11-05	TRW
575	ASSEMBLE	4-7-05	RTL
600	PROOF	4-8-05	AC
605	CHECK HEADSPACE	4-8-05	AC
610	DIS-ASSEMBLE GUN	4-11-05	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	4-12-05	CW
618	ROTO-BLAST	4-18-05	LB
620	APPLY COATINGS	4-25-05	CB
625 A	FINAL ASSEMBLY	5-3-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	5-6-05	AC
D	SAFETY "OFF" FORCE	5-6-05	AC
E	FIRING PIN INDENT	5-6-05	AC
640	TARGET	5-4-05	TRW
655	FINAL INSPECT	5-6-05	AC
660	PACK	5-7-05	QA
		SHIP DATE	
	QAR INSPECTION DATE		

MAGNA FLUX INSPECTED APR 11 2005 OPERATOR BD



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587507

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1228	90	RW
600	Proof	1228	90	RW
607	Check Headspace	1228	90	RW
610	Dis-assemble Gun	1228	90	RW
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GS
617	Drill and Tap Sight Holes	1 10 91		FB
618	Polish Barrel	1 10 91		MB
620	Apply Coatings (Barrel Action)		1-24-91	DH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/28/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/28/91	RW
	C) Inspect Ejector Hole for Chamfer		1/28/91	RW
	D) Oil Firing Pin Ass'y		1/28/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/6/91	DH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	$5\frac{3}{4}$			2/6/91	WB
	G) Safety Off Force	3	3	3			2/6/91	WB
	H) Trigger Pull Test & Retainability						2/6/91	
	I) Firing Pin Indent	.021	.0215	.021			2/6/91	WB
	J) Assemble Stock						2/6/91	RW
	K) Assemble Swivel Studs						2-21-91	AC
	L) Attach Front and Rear Sight Assemblies						2/6/91	RW
	M) Iron Sight Alignment						2/6/91	RW
	N) Detach Front & Rear Sights & place in numbered container						2/6/91	RW
	O) Attach Scope to Rifle						2/6/91	RW
	P) Detach & Attach Scope 20 Times						2/6/91	RW
640	Gallery Target & Test						2-7-91	DH
	A) Time						2-7-91	DH
	B) Malfunctions						2-7-91	DH
	C) Pierced Primers						2-7-91	DH
	D) Optical Clearity of Scope						2-7-91	DH
645	Inspect for Live Ammo						2-7-91	DH
655	Final Inspection A) Headspace						2-21-91	AC
	B) Trigger Pull	2.14	2.18	2.16	2.15	2.15	2/15/91	WB
	C) Function						2-21-91	AC
660	Pack						3-14-91	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. C0587507

DATE 2/6/91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.28	2.20	2.38	2.14	MIN. SETTING,
PULL #2	2.26	2.50	2.40	2.18	NO AVG. OF 5
PULL #3	2.29	2.21	2.35	2.16	READINGS ACCEPT-
PULL #4	2.33	2.20	2.40	2.15	ABLE LESS THAN 2#
PULL #5	2.30	2.28	2.39	2.15	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.17		
PULL #2	3.29	3.34		
PULL #3	3.34	3.39		
PULL #4	3.24	3.34		
PULL #5	3.25	3.34		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.17		4.21
PULL #2	4.29	4.33		4.14
PULL #3	4.25	4.41		4.47
PULL #4	4.18	4.13		4.45
PULL #5	4.15	4.17		4.12
TOTAL				
AVG.				

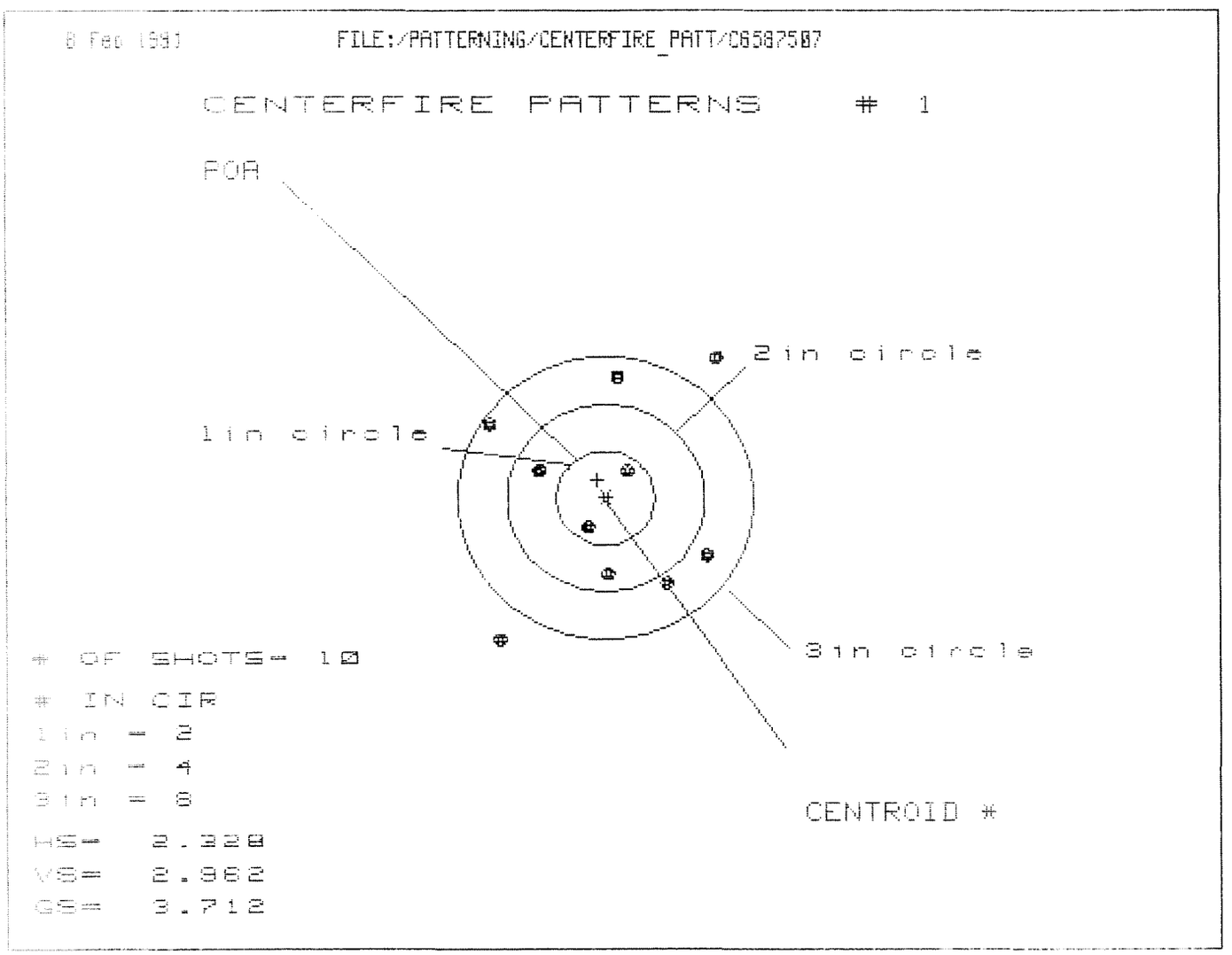
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587507
8 Feb 1991

CENTROIDAL DISTANCES

0	TO	1	.209848
1	TO	2	.316394
1	TO	3	.242539
1	TO	4	.50953
1	TO	5	.165605

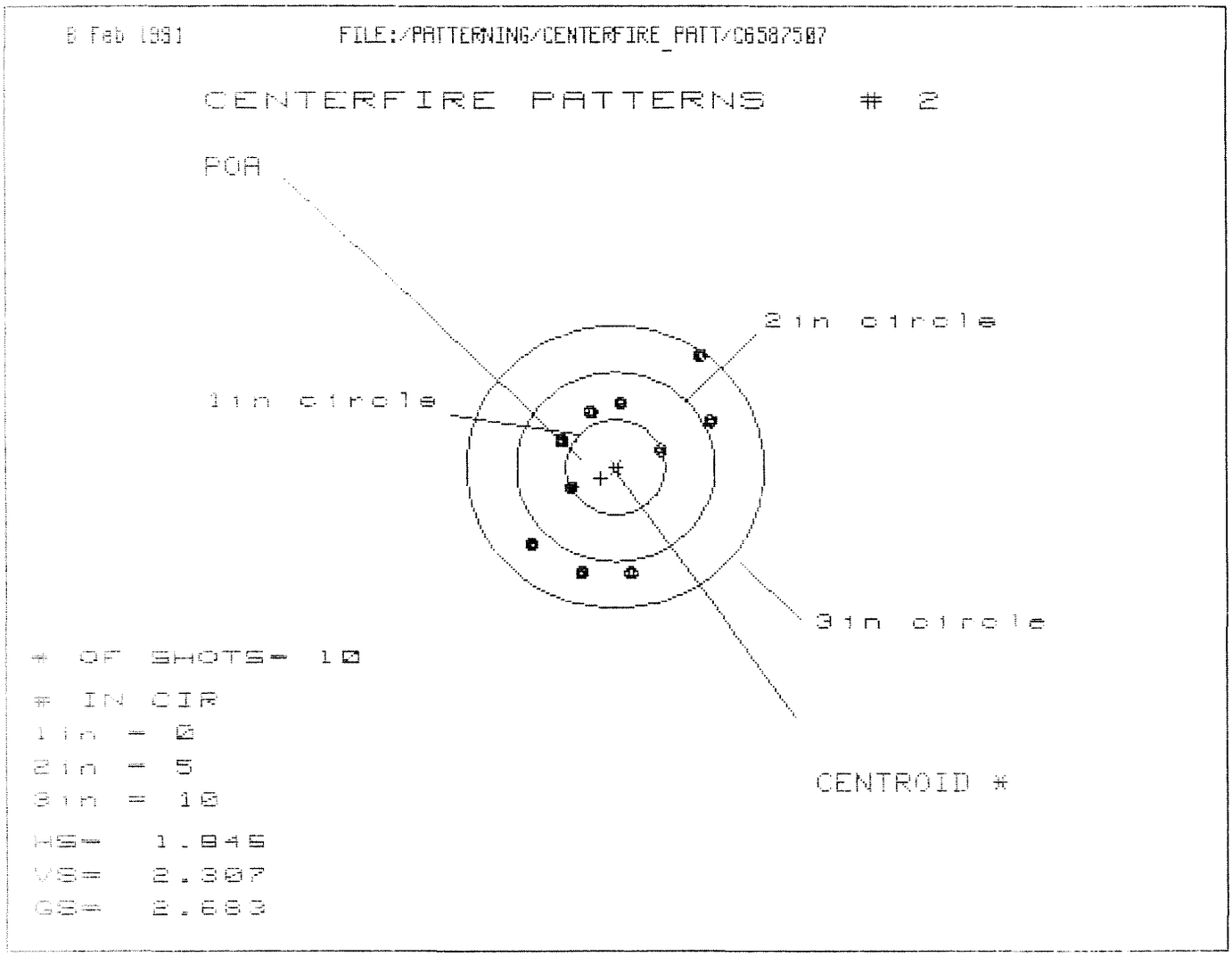
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .122
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0472
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .130812

THE AMR FOR THIS RIFLE IS: .946

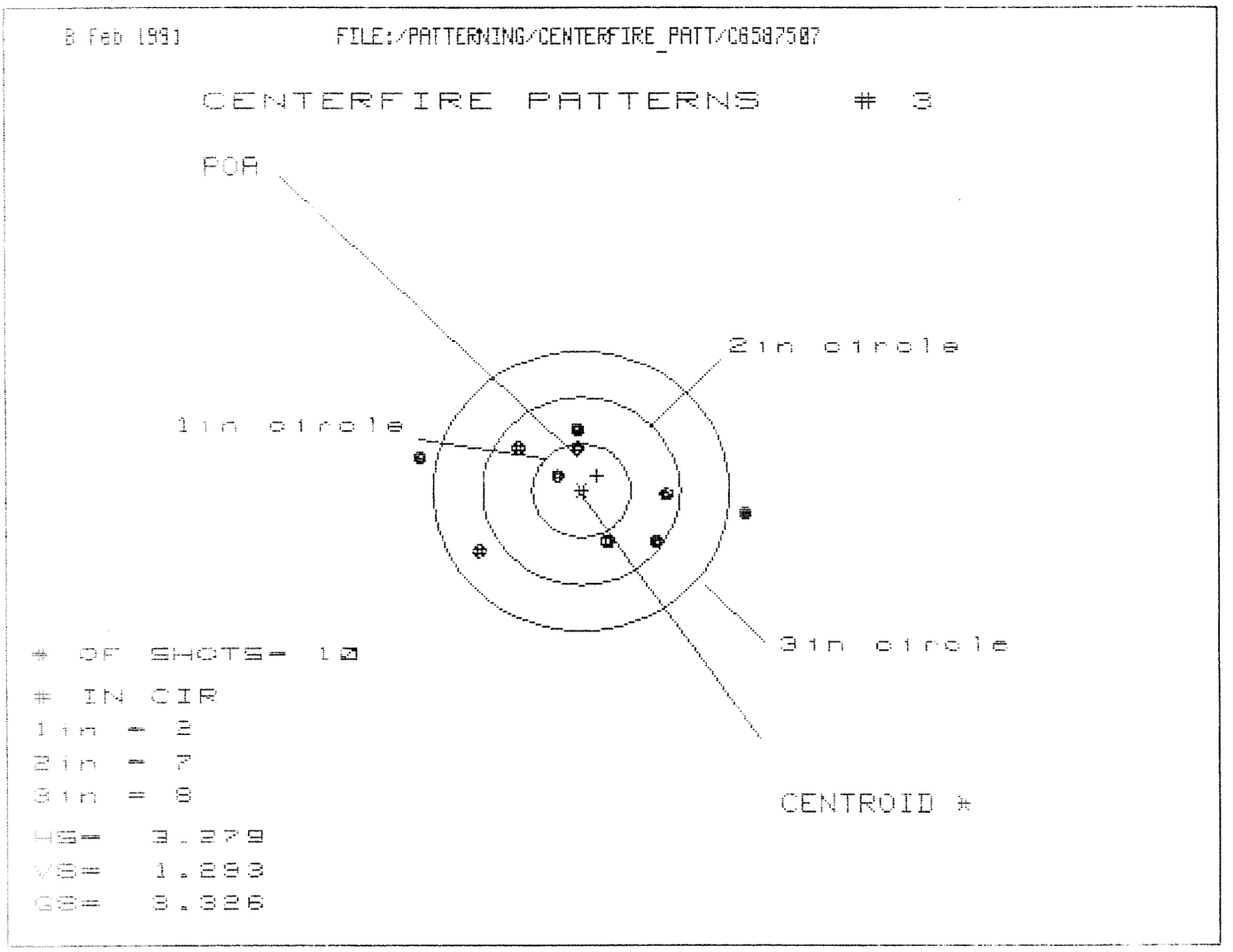


PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.143	1.149	1.028
MINIMUM X	:	-1.185	-1.058	-1.179
MAXIMUM Y	:	1.501	1.412	1.250
MINIMUM Y	:	-1.461	-1.294	-.879
CENTROID X	:	.080	-.047	.074
CENTROID Y	:	-.194	-.361	-.199
POA TO CENTROID in.	:	.210	.364	.212
MIN RADIUS	:	.324	.183	.332
MEAN RADIUS	:	1.089	.979	.896
MAX RADIUS	:	1.887	1.616	1.426
HORIZONTAL SPREAD	:	2.328	2.207	2.207
VERTICAL SPREAD	:	2.962	2.706	2.129
EXTREME SPREAD	:	3.712	2.977	2.607
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	

NUMBER IN THREE INCH CIRCLE = 8



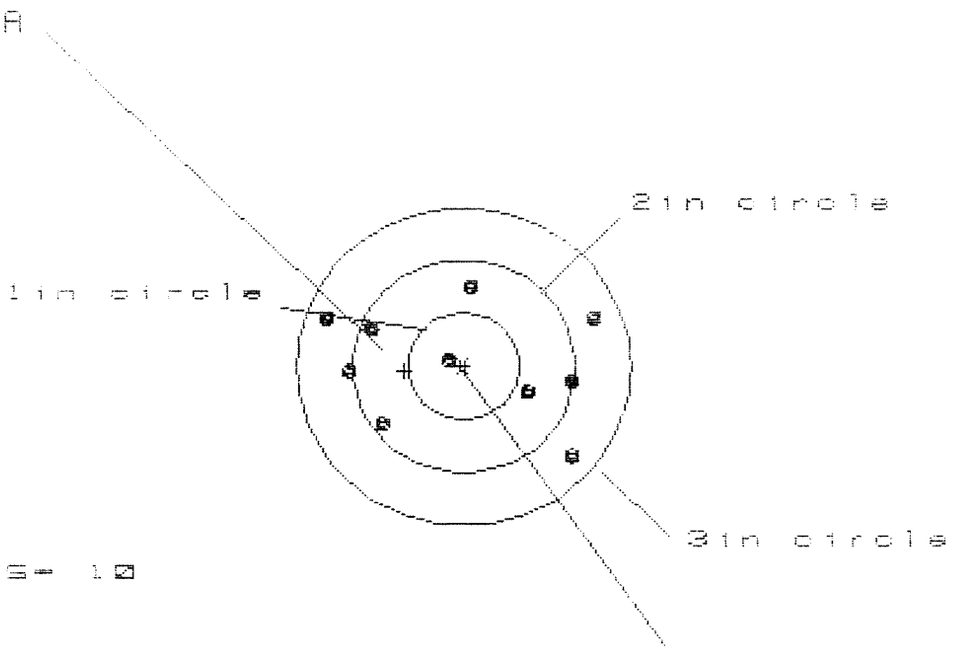
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.951	1.049	.949
MINIMUM X	:	-.895	-.797	-.562
MAXIMUM Y	:	1.159	.817	.727
MINIMUM Y	:	-1.148	-1.019	-1.109
CENTROID X	:	.148	.049	.149
CENTROID Y	:	.115	-.014	.076
POA TO CENTROID in.	:	.187	.051	.167
MIN RADIUS	:	.514	.380	.506
MEAN RADIUS	:	.907	.840	.801
MAX RADIUS	:	1.459	1.208	1.116
HORIZONTAL SPREAD	:	1.846	1.846	1.511
VERTICAL SPREAD	:	2.307	1.836	1.836
EXTREME SPREAD	:	2.683	2.268	2.019
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.676	1.087	.910
MINIMUM X	:	-1.603	-1.417	-.992
MAXIMUM Y	:	.636	.609	.645
MINIMUM Y	:	-.657	-.684	-.648
CENTROID X	:	-.160	-.346	-.169
CENTROID Y	:	-.159	-.132	-.168
POA TO CENTROID in.	:	.225	.370	.238
MIN RADIUS	:	.307	.158	.304
MEAN RADIUS	:	.910	.806	.722
MAX RADIUS	:	1.693	1.446	1.185
HORIZONTAL SPREAD	:	3.279	2.504	1.902
VERTICAL SPREAD	:	1.293	1.293	1.293
EXTREME SPREAD	:	3.326	2.532	1.993
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

8 Feb 1991 FILE:/PATTERNING/CENTERFIRE_PATT/C8508708

CENTERFIRE PATTERNS # 4



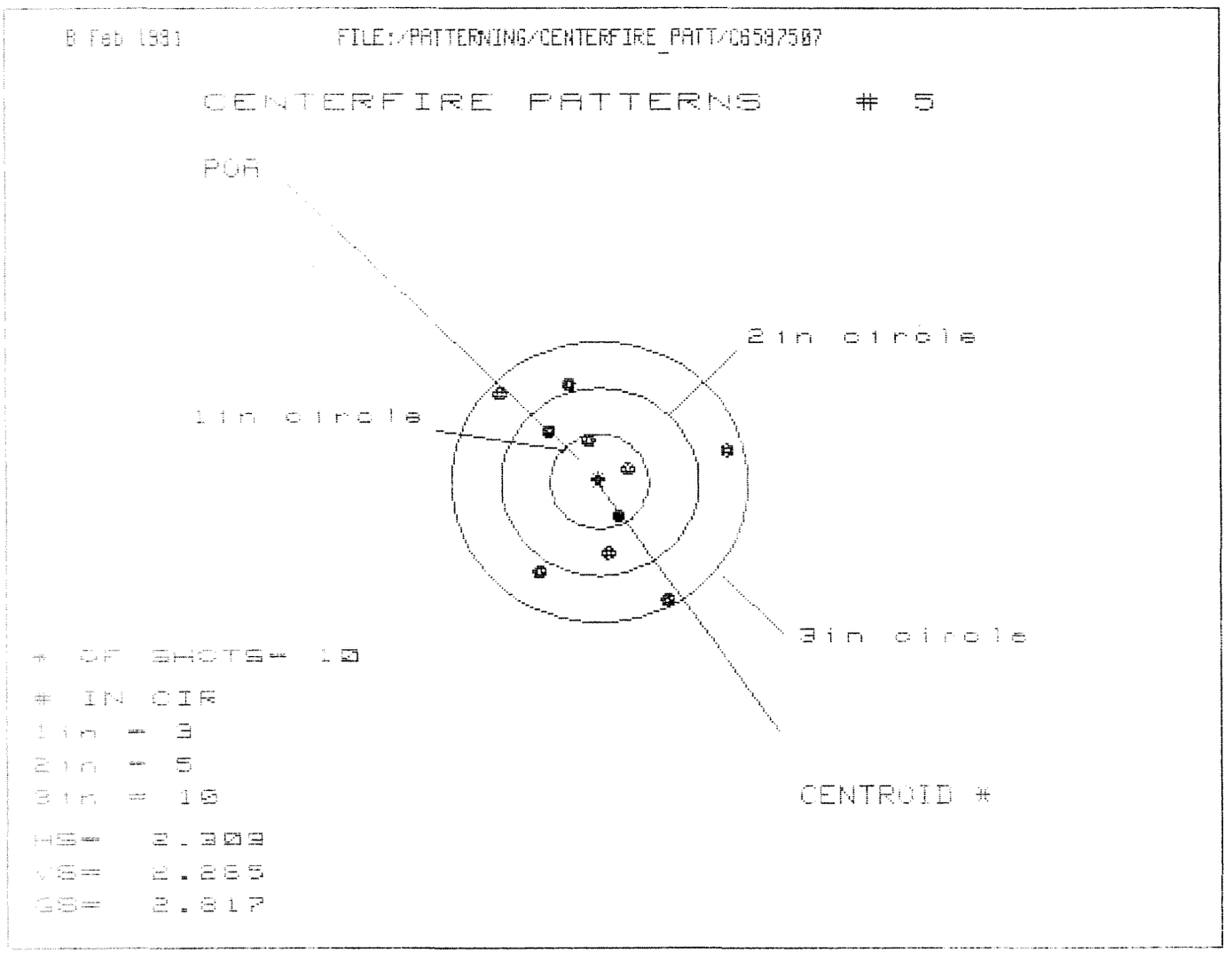
OF SHOTS= 10

# IN CIR	
1in	1
2in	7
3in	10

HS= 2.424
VS= 1.657
GS= 2.563

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.211	1.321	1.254
MINIMUM X	:	-1.213	-1.103	-.938
MAXIMUM Y	:	.763	.664	.706
MINIMUM Y	:	-.894	-.674	-.632
CENTROID X	:	.530	.420	.255
CENTROID Y	:	.045	.144	.102
POA TO CENTROID in.	:	.532	.444	.274
MIN RADIUS	:	.177	.079	.106
MEAN RADIUS	:	.922	.853	.768
MAX RADIUS	:	1.338	1.364	1.274
HORIZONTAL SPREAD	:	2.424	2.424	2.192
VERTICAL SPREAD	:	1.657	1.338	1.338
EXTREME SPREAD	:	2.563	2.424	2.265

NUMBER IN ONE INCH CIRCLE	=	1
NUMBER IN TWO INCH CIRCLE	=	7
NUMBER IN THREE INCH CIRCLE	=	10



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.282	1.363	1.245
MINIMUM X	:	-1.026	-.946	-.600
MAXIMUM Y	:	1.005	.863	.960
MINIMUM Y	:	-1.280	-1.111	-1.014
CENTROID X	:	.012	-.069	.049
CENTROID Y	:	-.043	.099	.002
POA TO CENTROID in.	:	.045	.121	.049
MIN RADIUS	:	.277	.282	.226
MEAN RADIUS	:	.902	.826	.765
MAX RADIUS	:	1.473	1.380	1.264
HORIZONTAL SPREAD	:	2.309	2.309	1.845
VERTICAL SPREAD	:	2.285	1.974	1.974
EXTREME SPREAD	:	2.817	2.377	2.272
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	