

**Brand X**  
Wireline LLC

GAMMA RAY, CCL  
CEMENT BOND, VDL  
**Doc# 1310565**

Company	PUBLIC SERVICE CO. OF COLORADO	
Well	ROUND UP STORAGE WELL #8	
Field	ROUND UP	
Parish	MORGAN	
State	COLO	
Location:	AP# : 05-087-07480-00	Other Services
SEC 22	TWP 2N	RGE 60W
GL	Elevation	
Permanent Datum	Elevation	
Log Measured From	Elevation	
Drilling Measured From	Elevation	
SENW		

Date AUG-11-2021

Run Number	ONE
Depth Driller	6520
Depth Logger	6392
Bottom Logged Interval	6396
Top Log Interval	SURFACE
Open Hole Size	
Type Fluid	WATER
Density / Viscosity	8.34 PPG
Max. Recorded Temp.	NA
Estimated Cement Top	SEE LOG
Time Well Ready	ROA
Time Logger on Bottom	12:15 PM
Equipment Number	BV
Location	STERLING, CO
Recorded By	K. GIRDLER
Witnessed By	G. CHANDLER

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	5.5	15.5	SURFACE	6520
Liner				

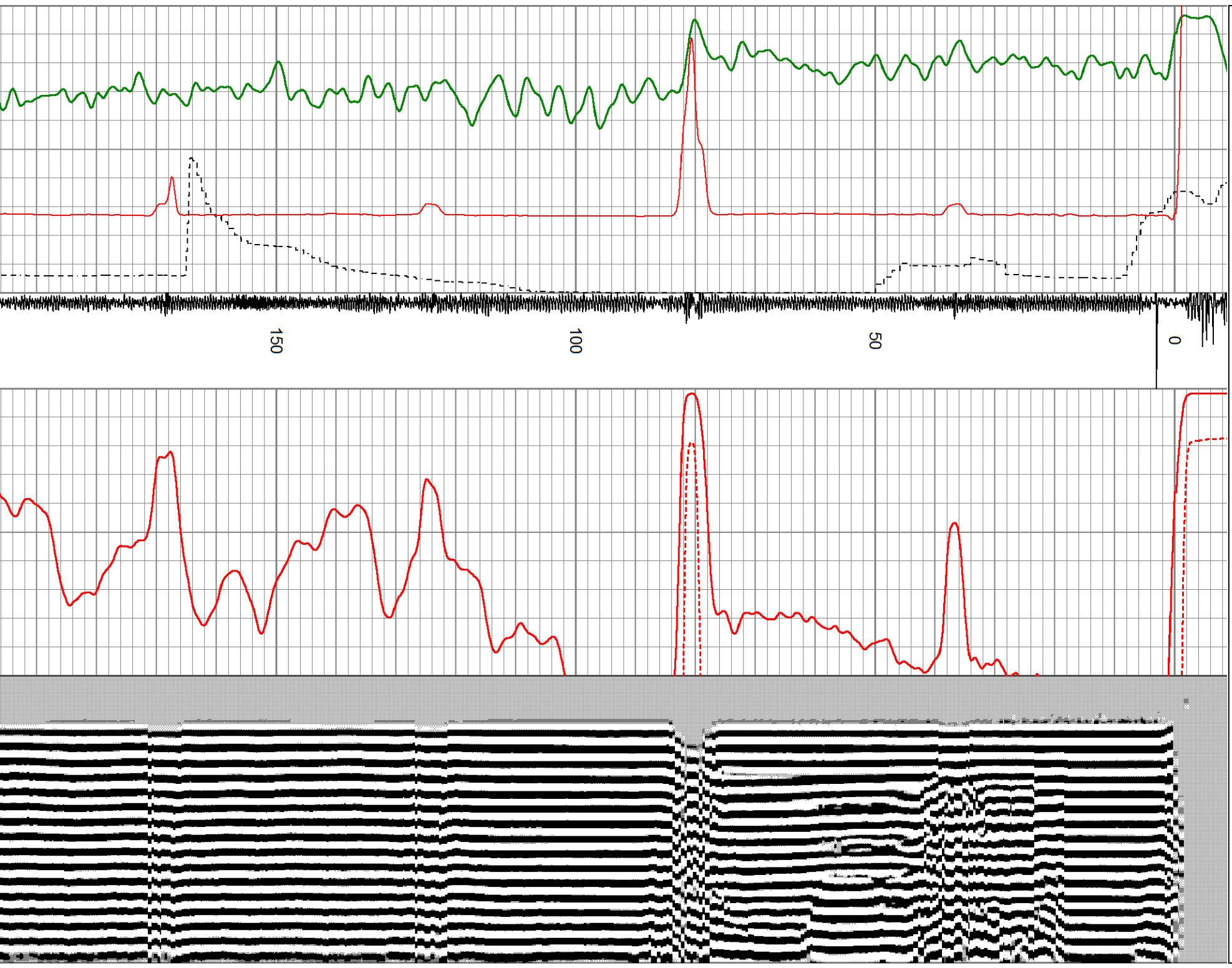
<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

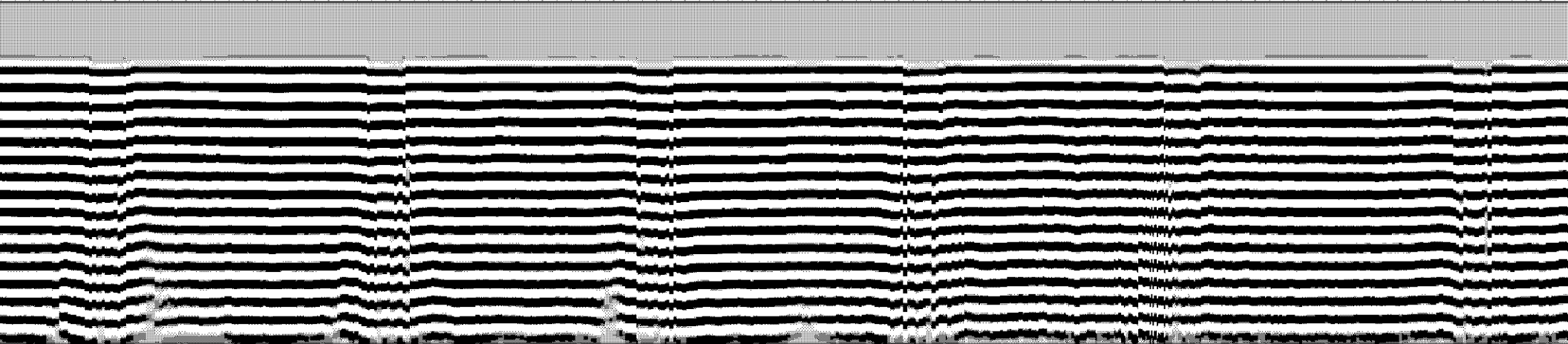
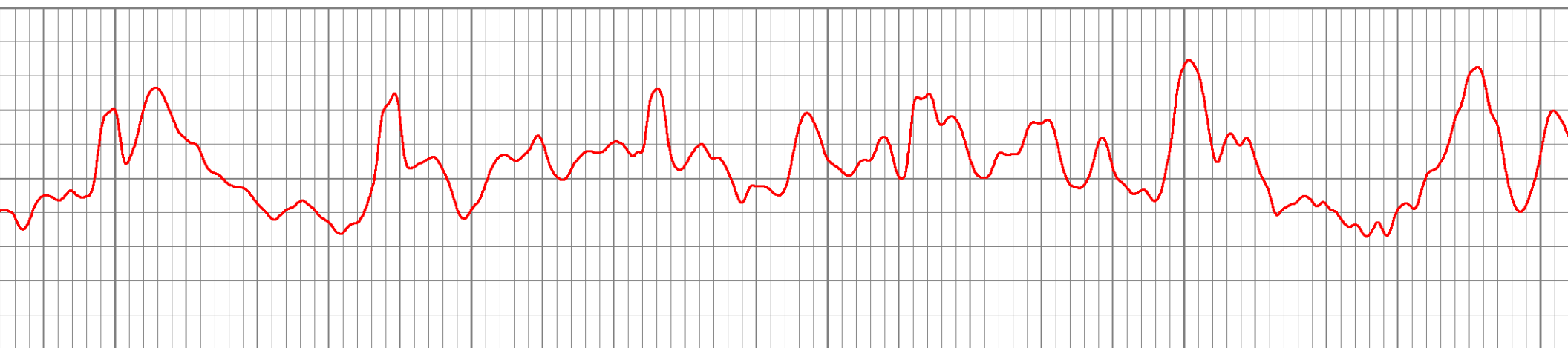
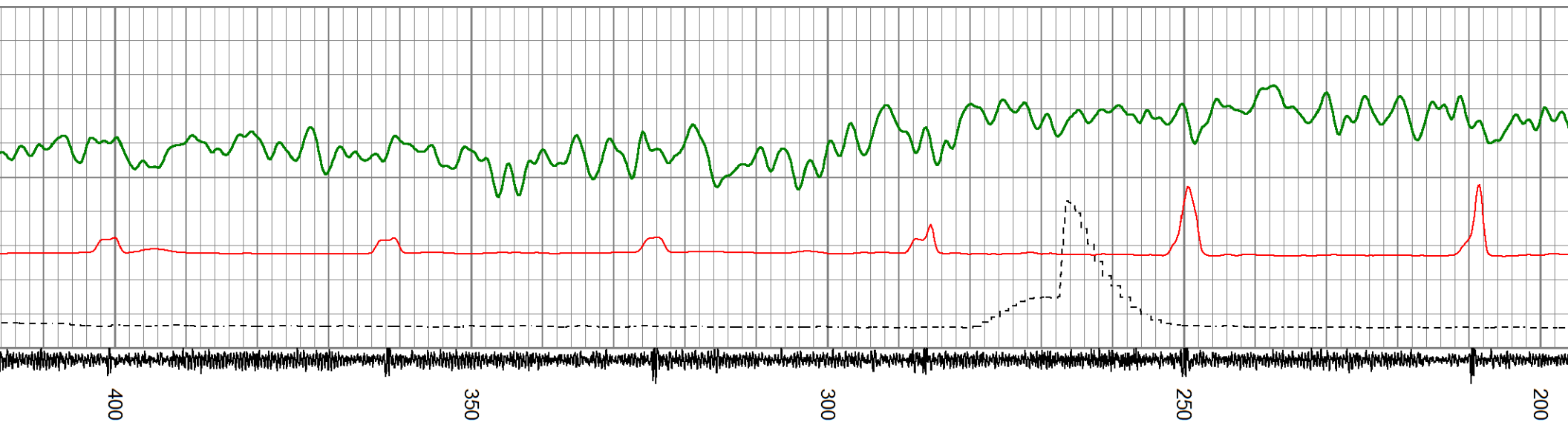
Comments

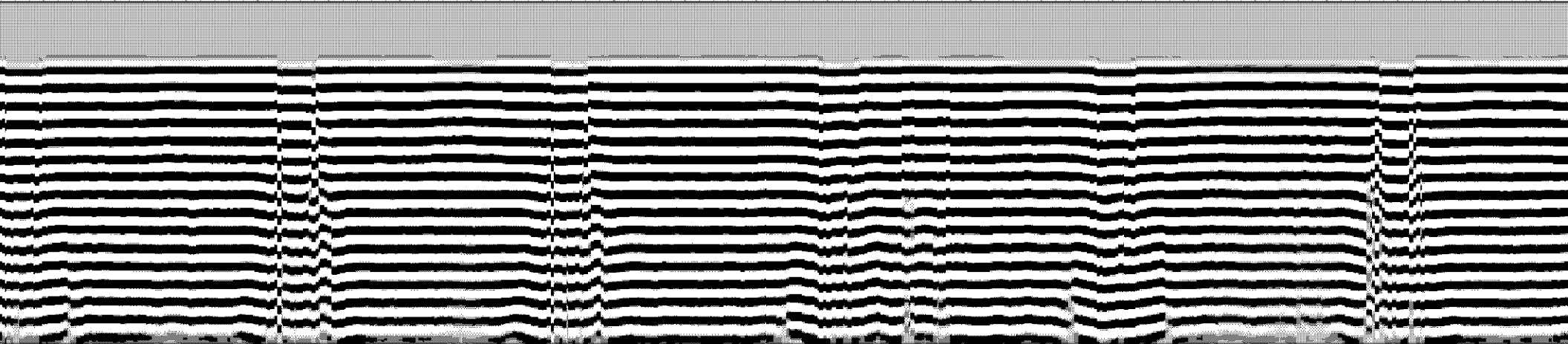
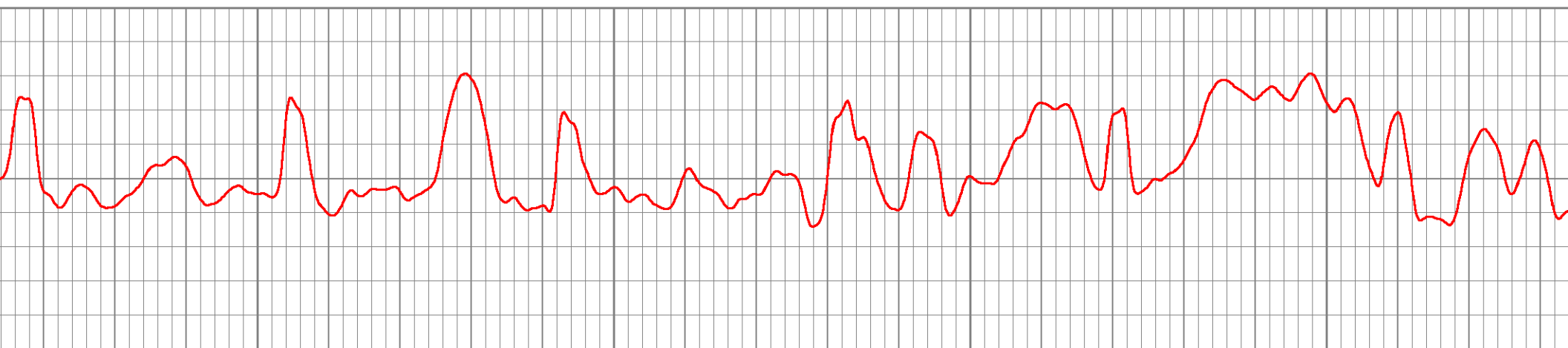
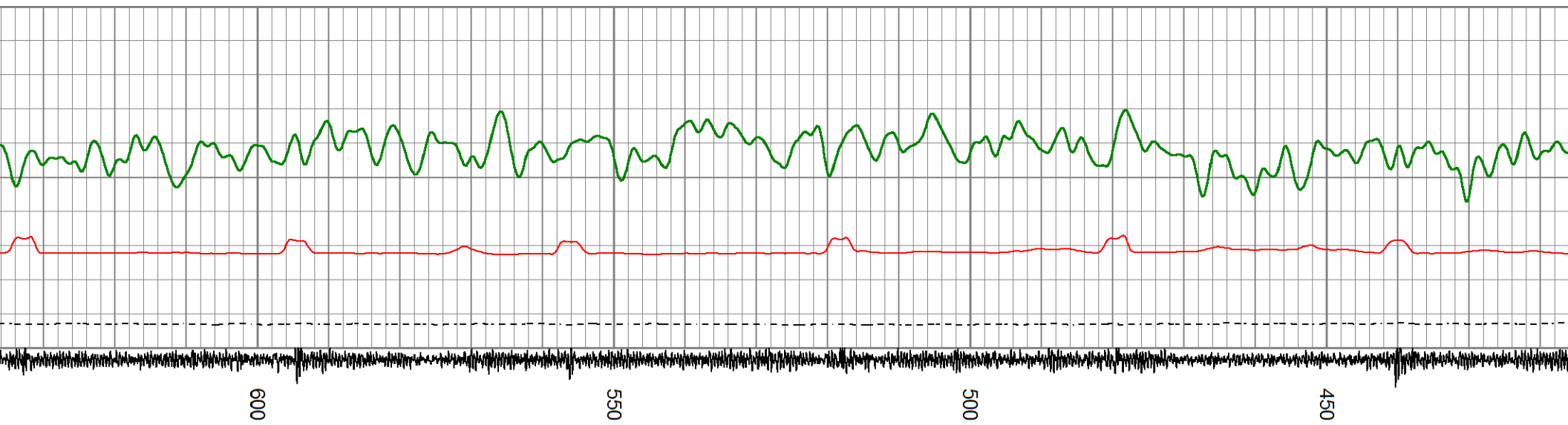
THANK YOU FOR USING BRAND-X WIRELINE

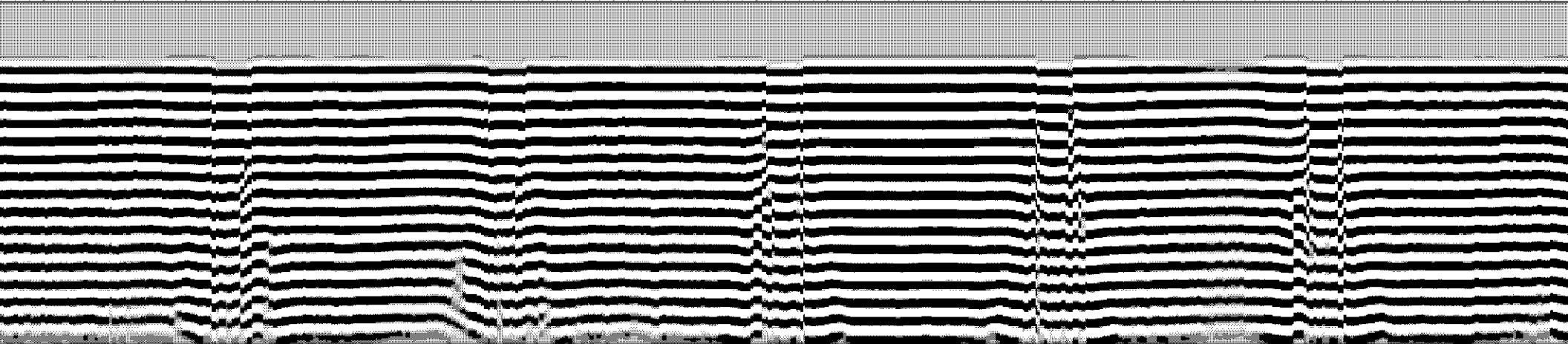
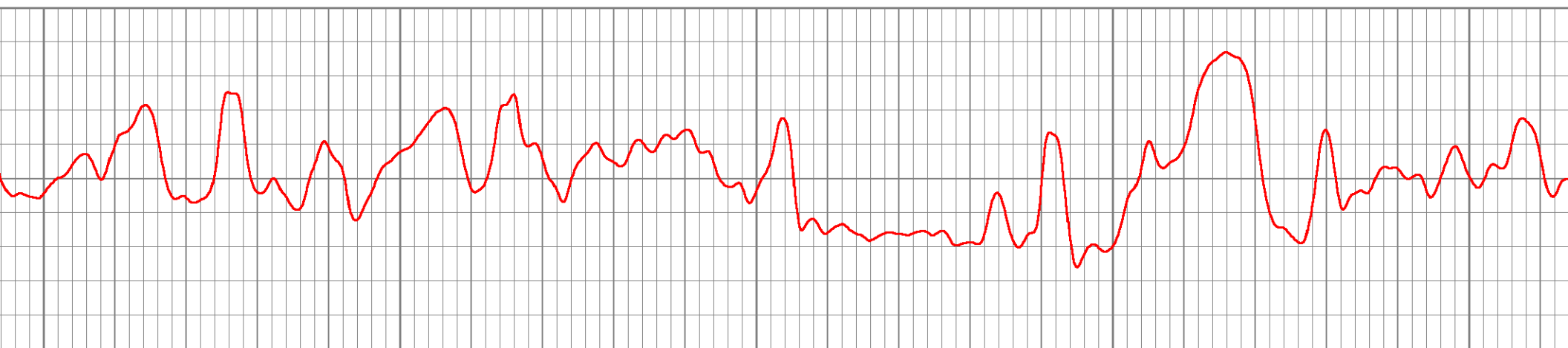
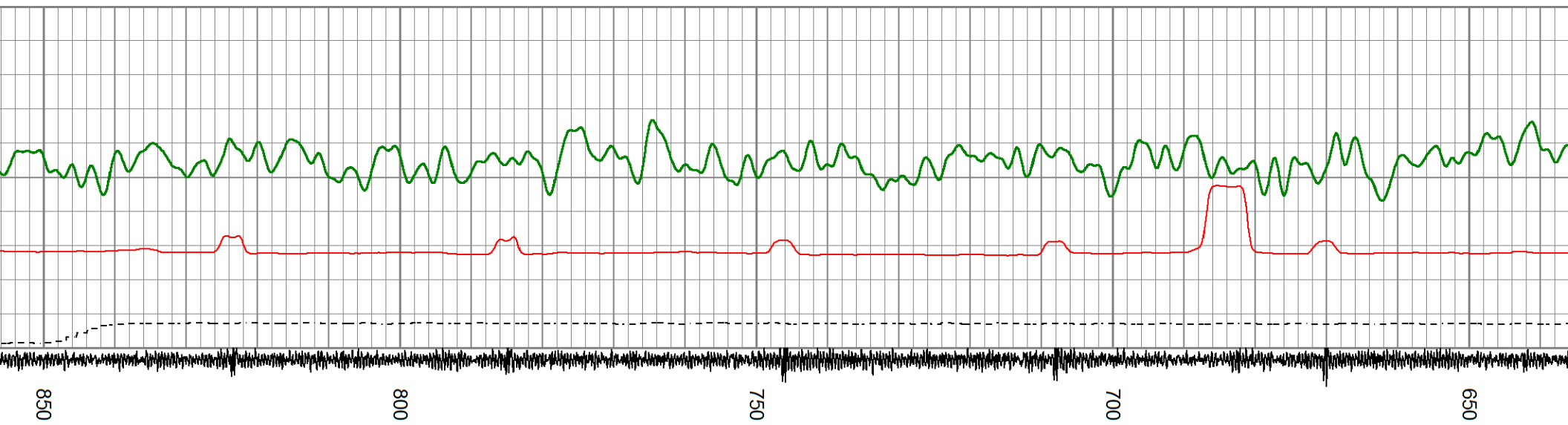
Database File roundup storage field well #8.db  
Dataset Pathname CBL5  
Presentation Format cbl\_drs  
Dataset Creation Wed Aug 11 13:15:08 2021  
Charted by Depth in Feet scaled 1:240

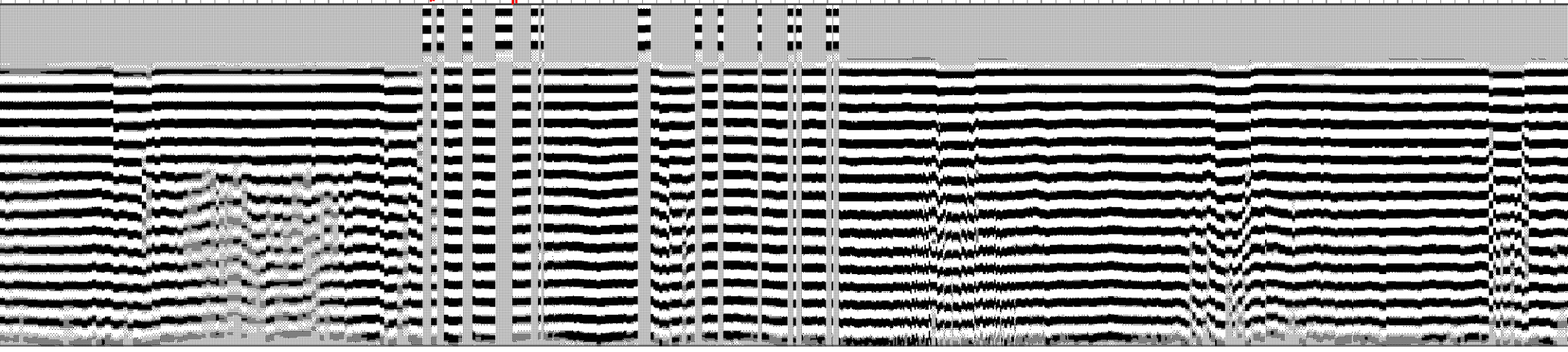
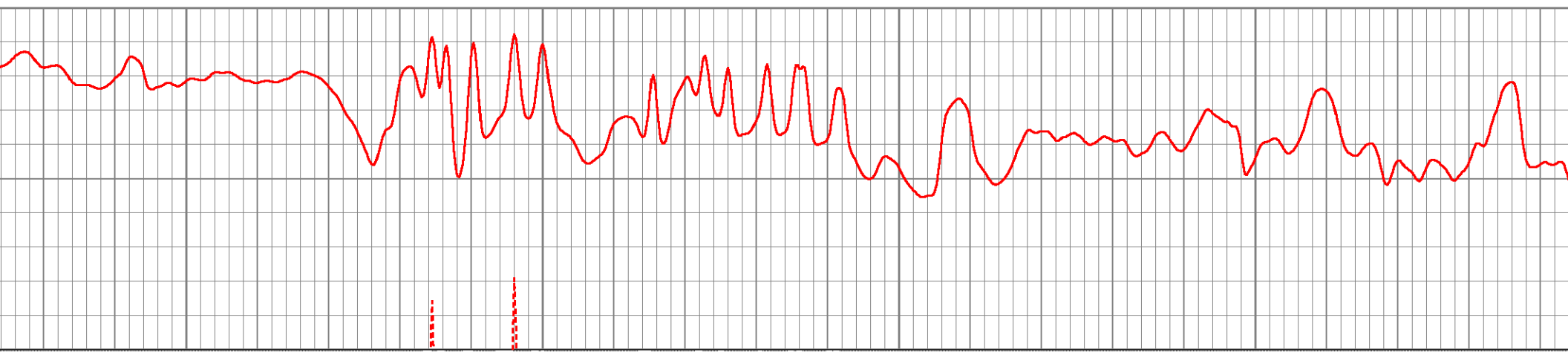
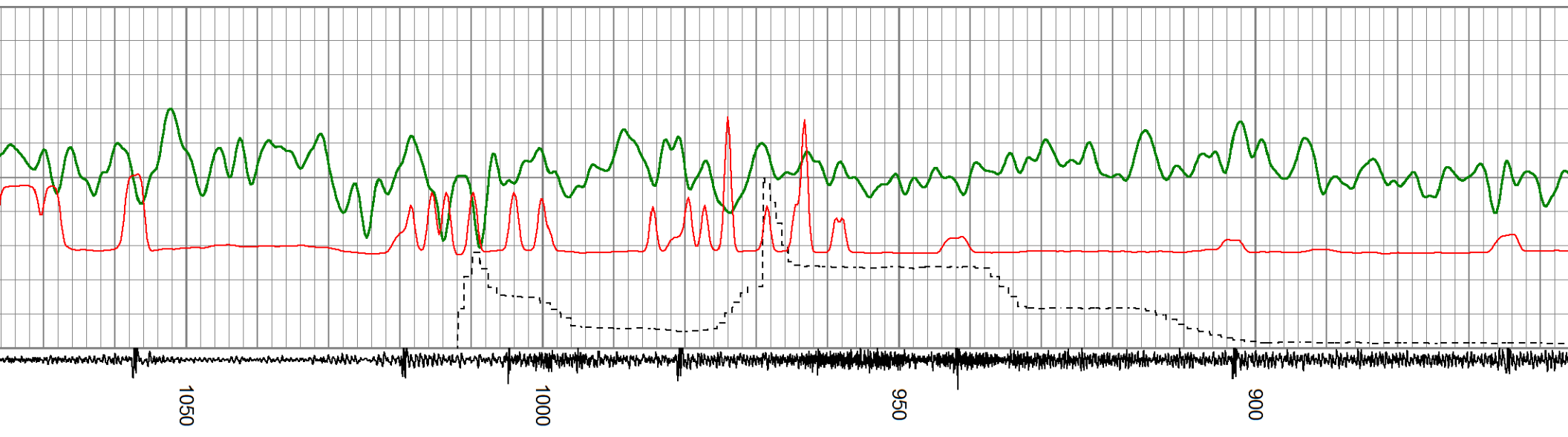


0	Gamma Ray	150	Coliar Locato	0	AMP AMPLITUDE (mV)	10	200	VDL	1200
100	Line Speed (ft/min)	-100	-1	9	0	100			
400	TT3FT (usec)	200							

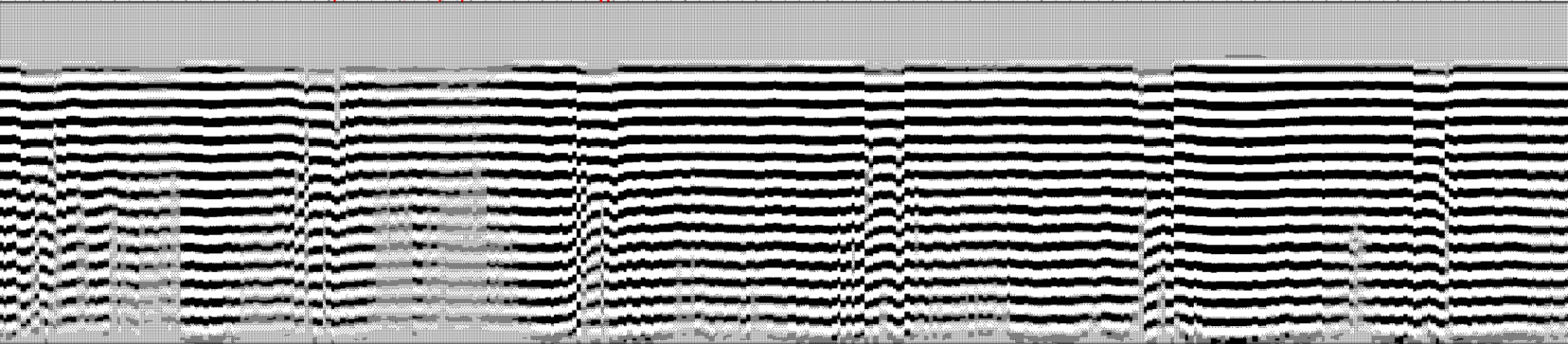
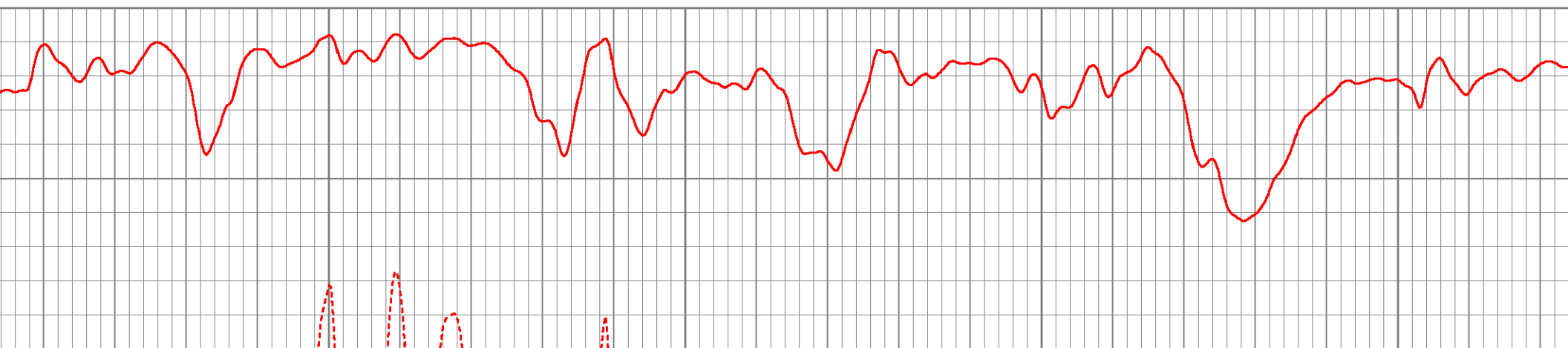
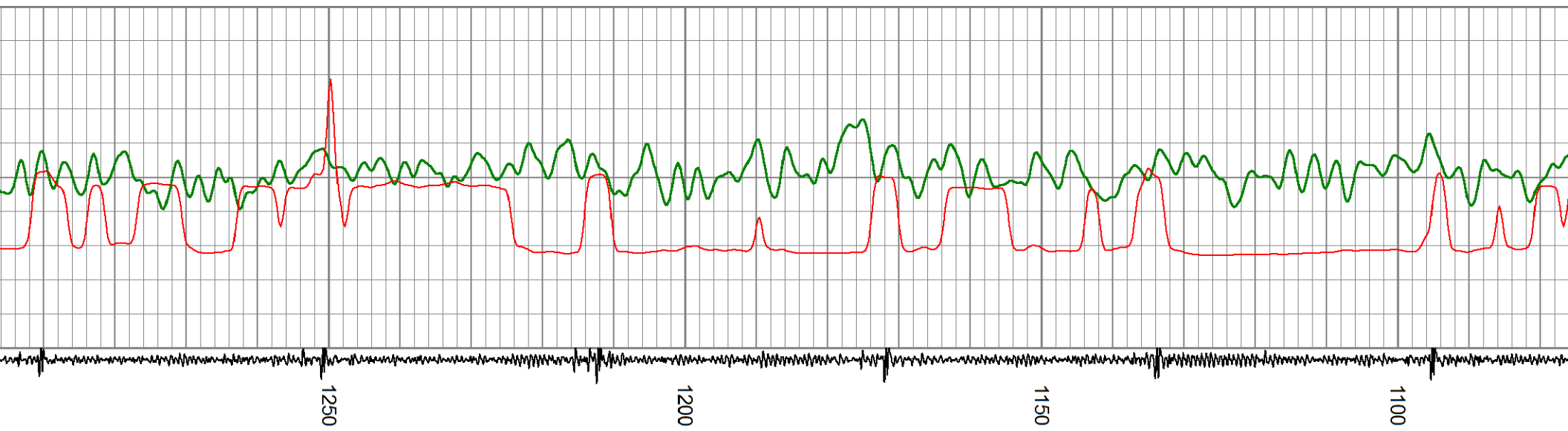


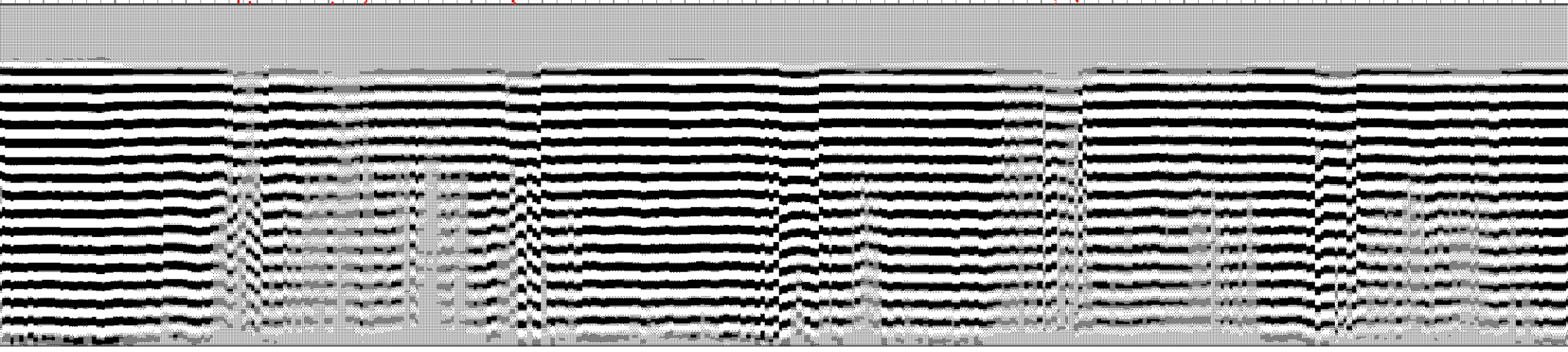
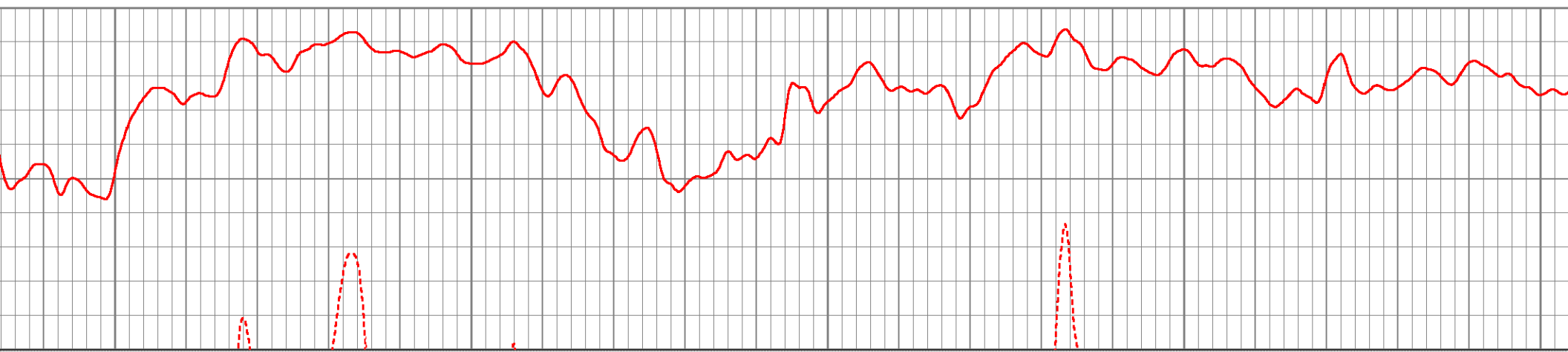
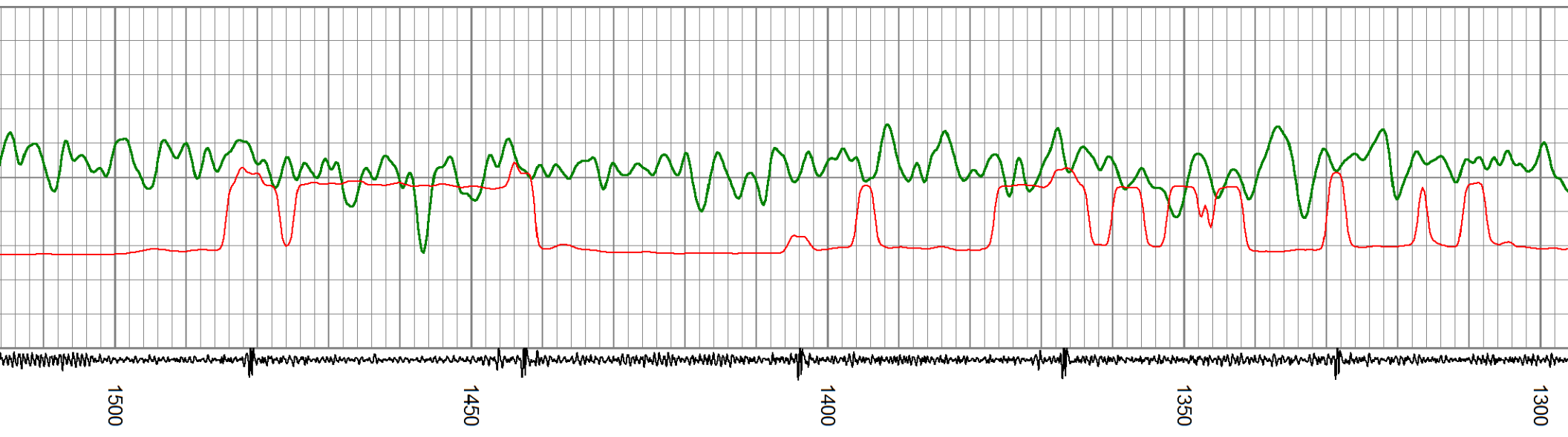




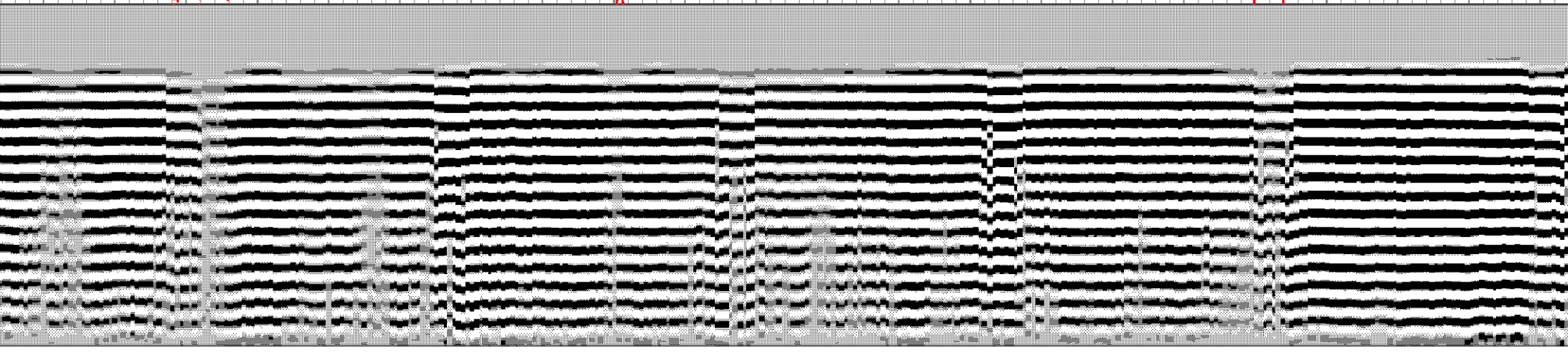
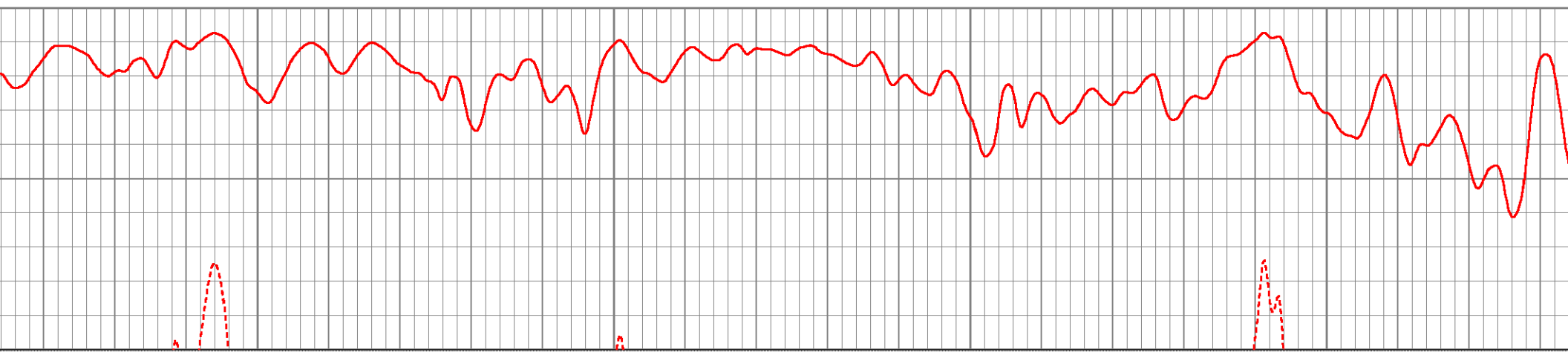
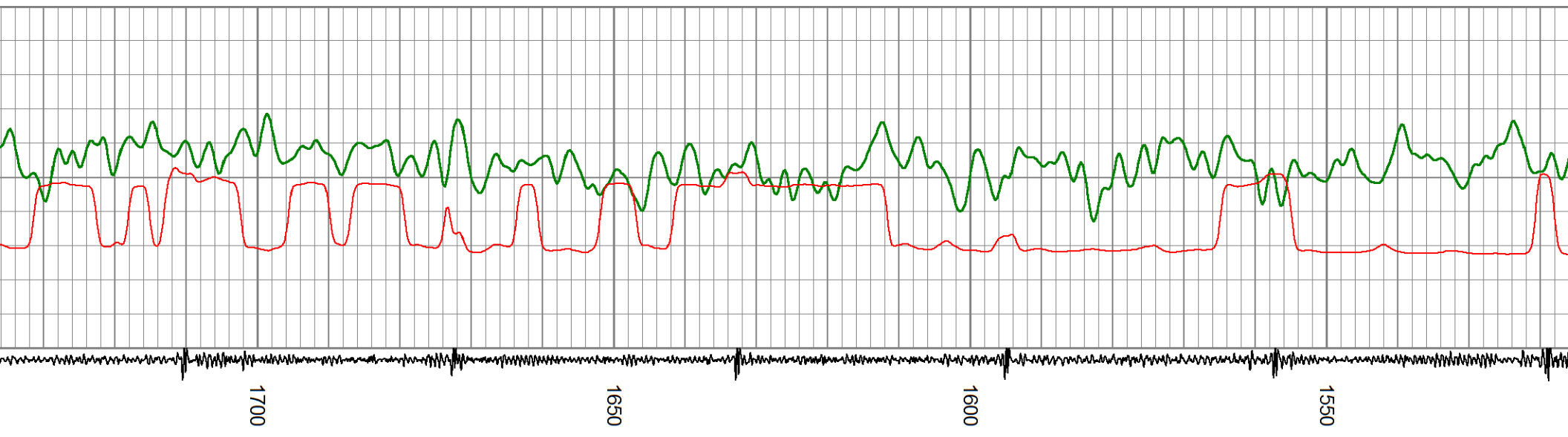


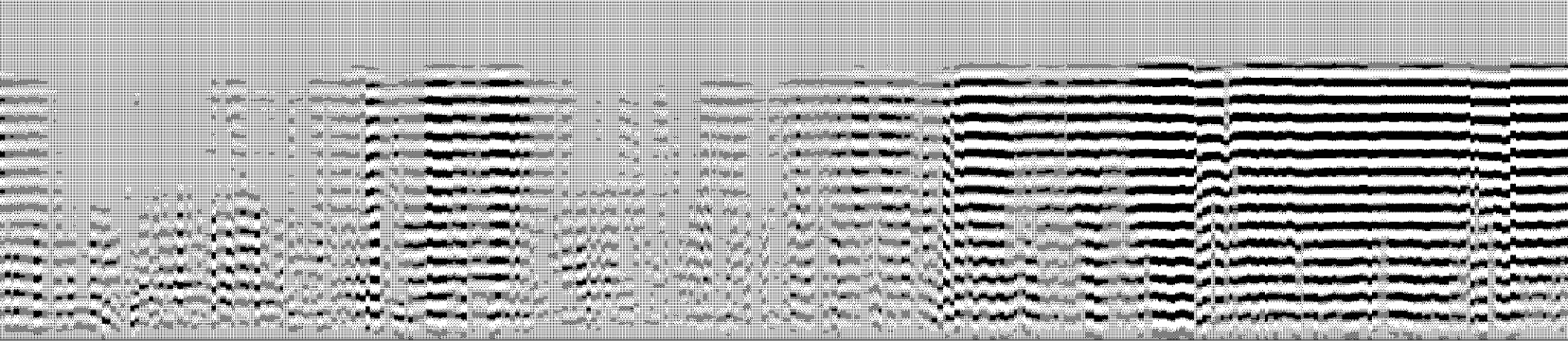
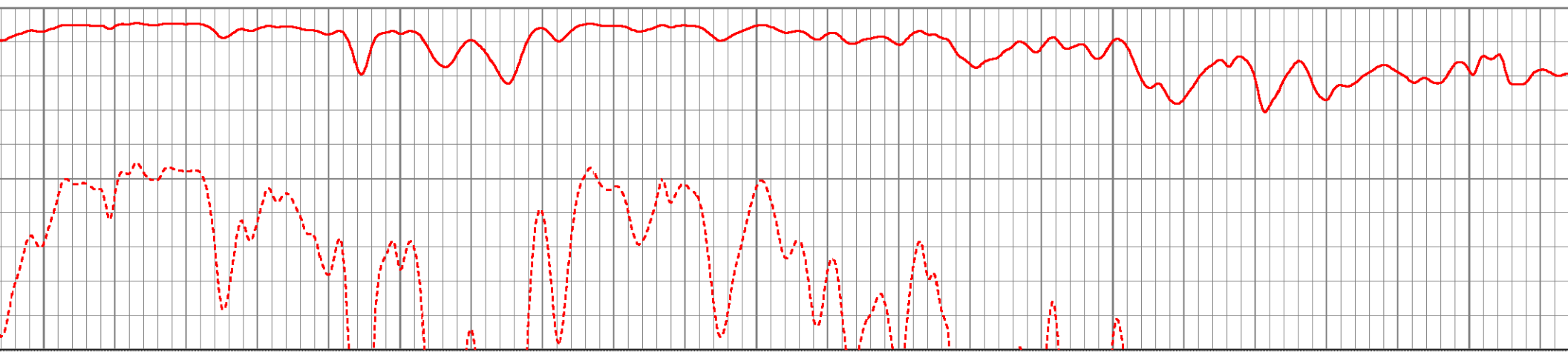
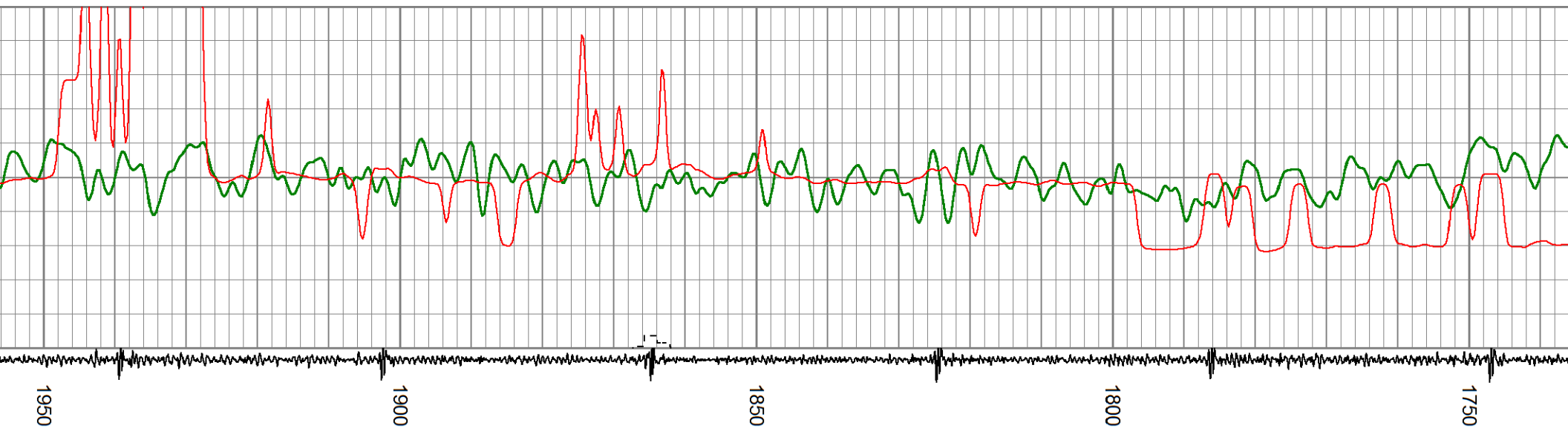


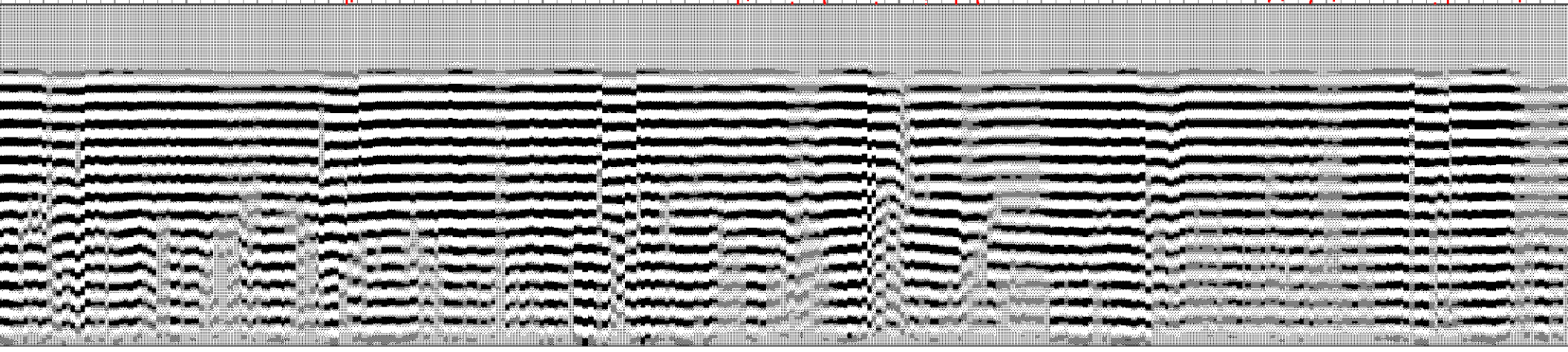
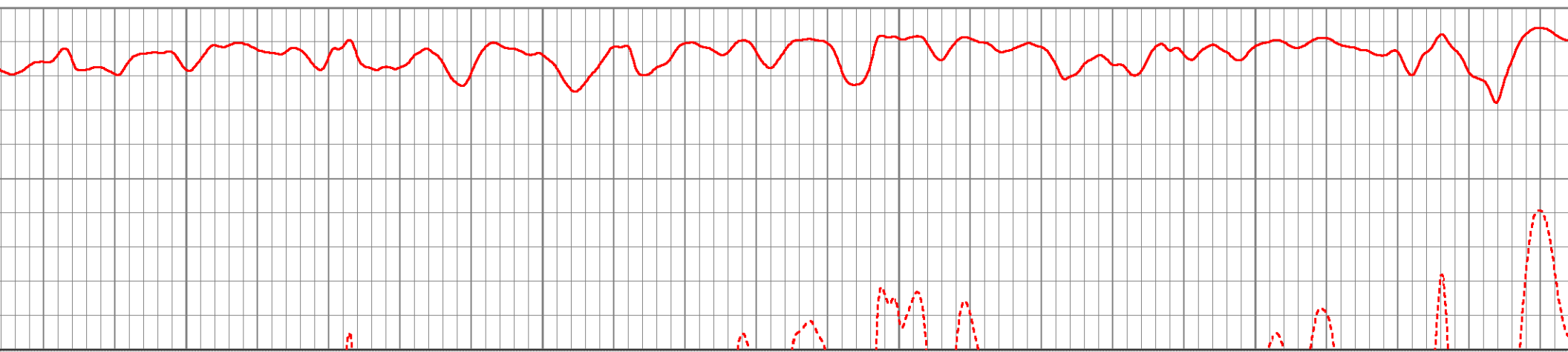
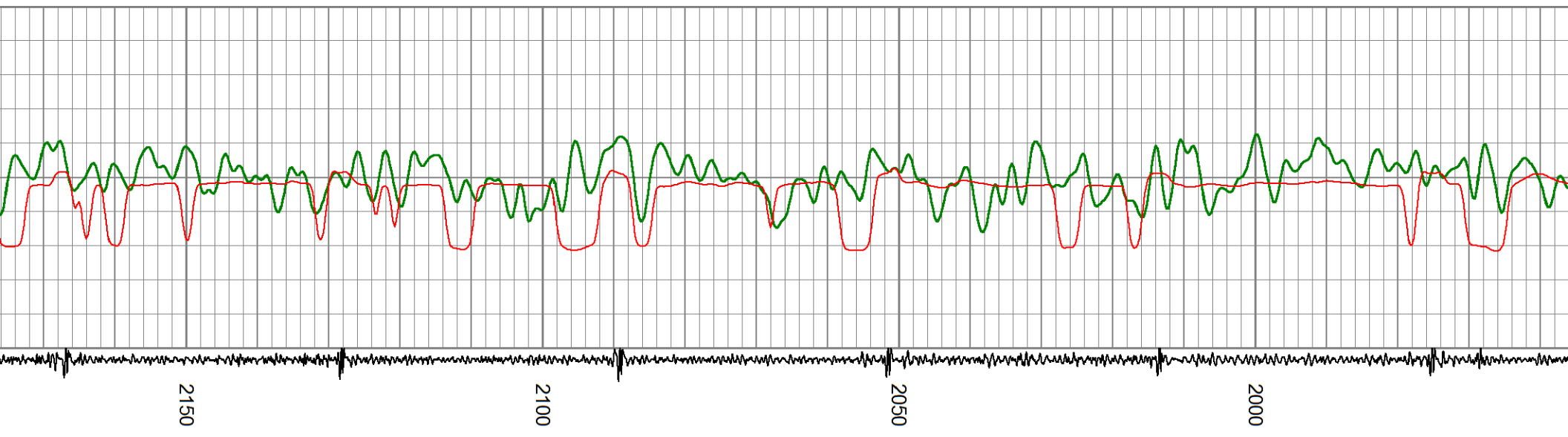


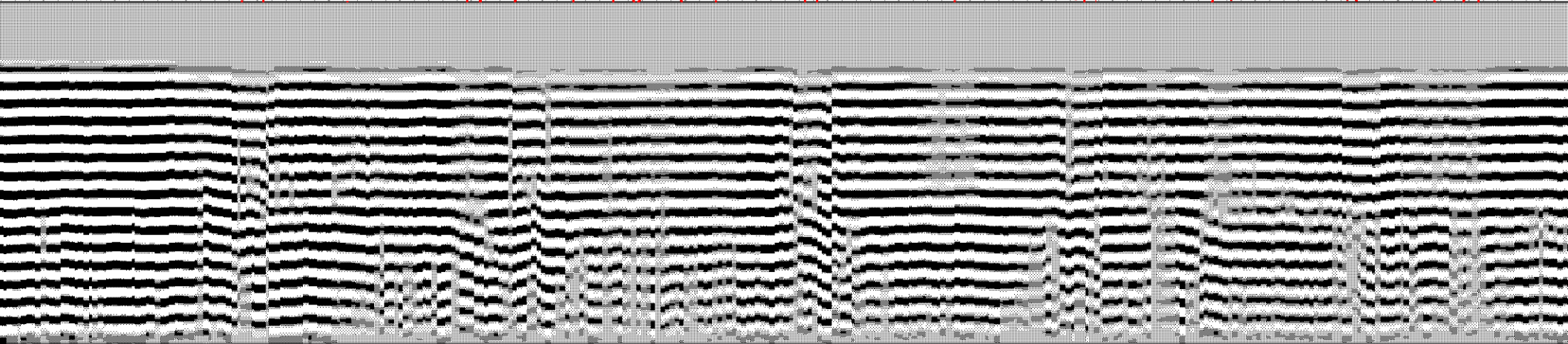
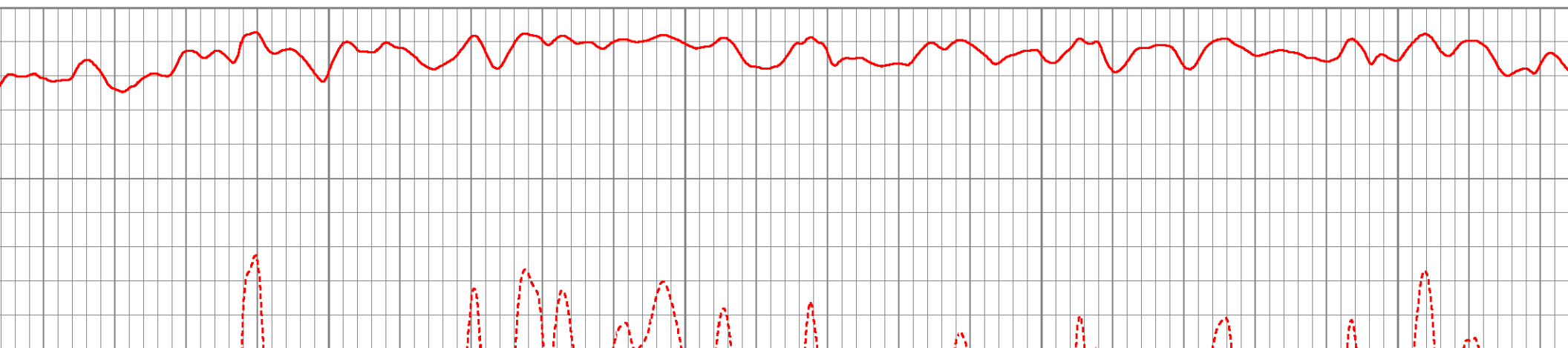
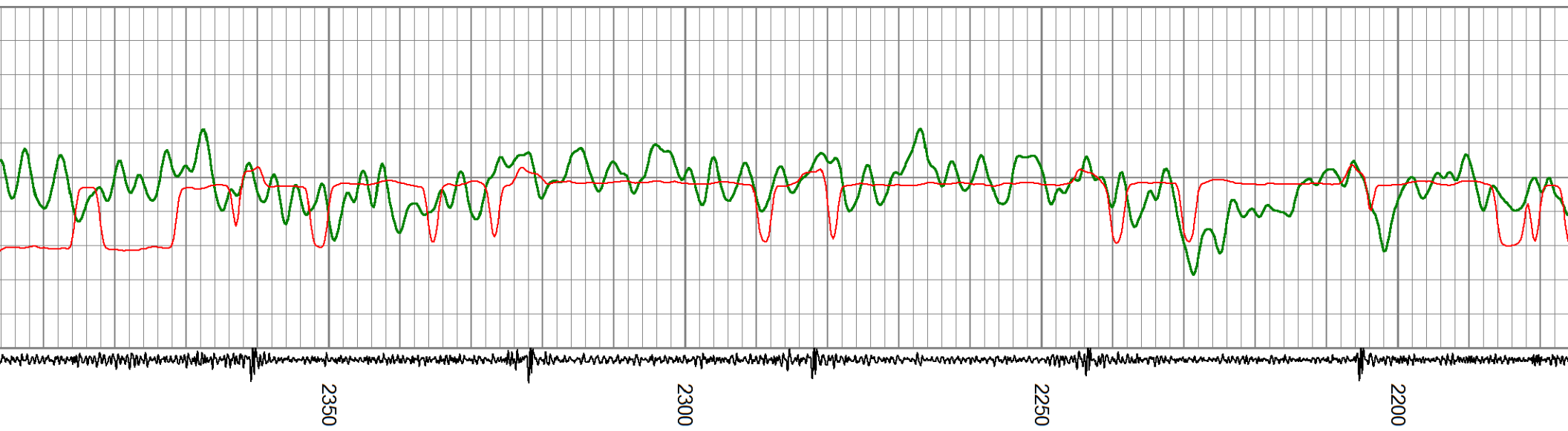


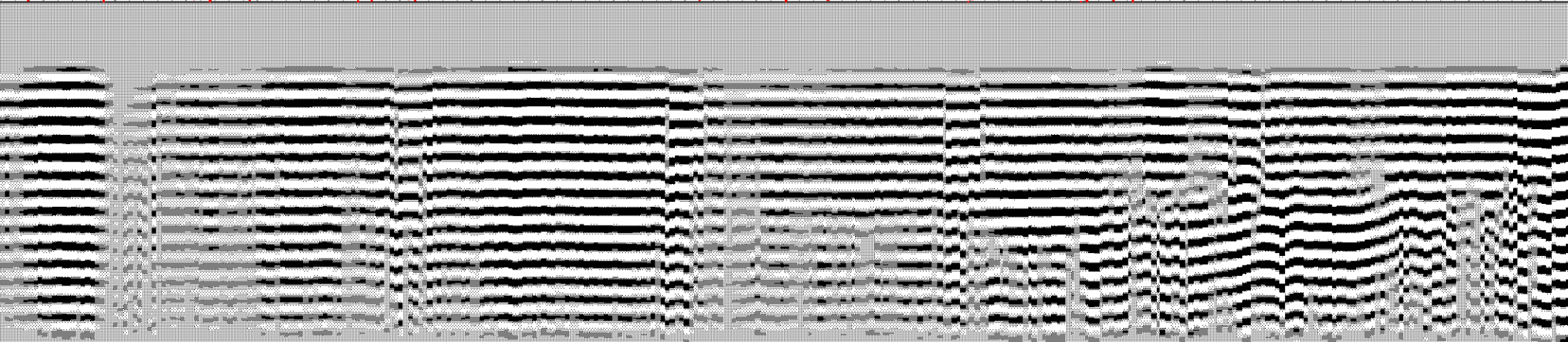
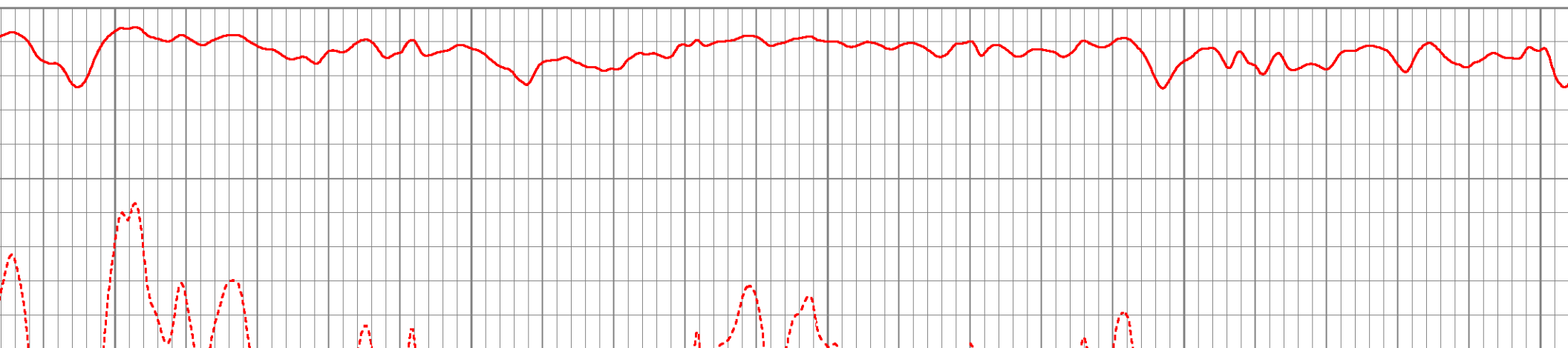
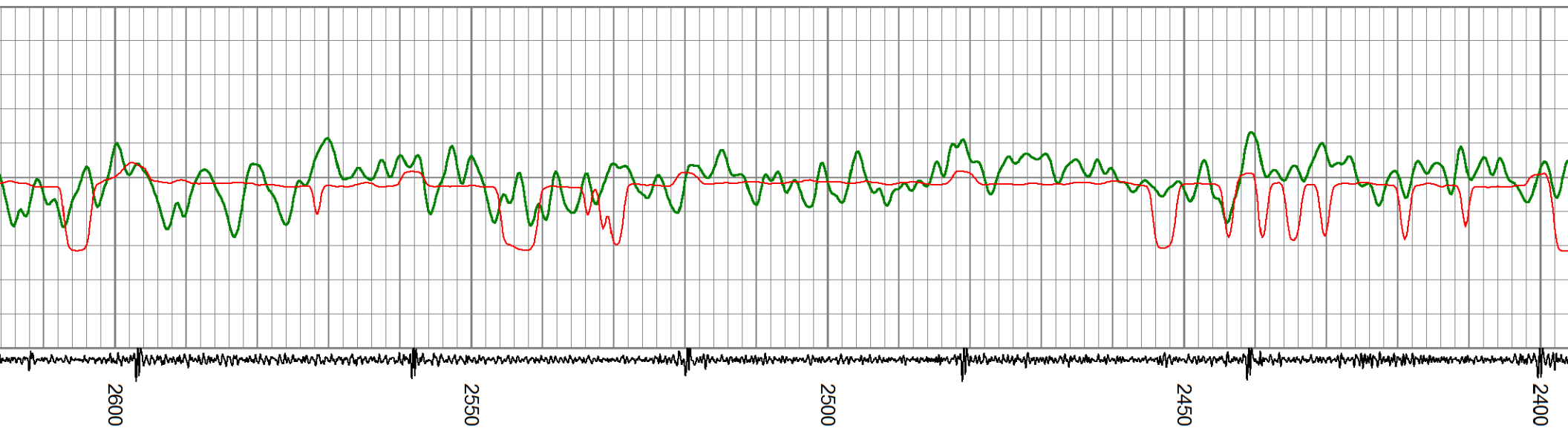


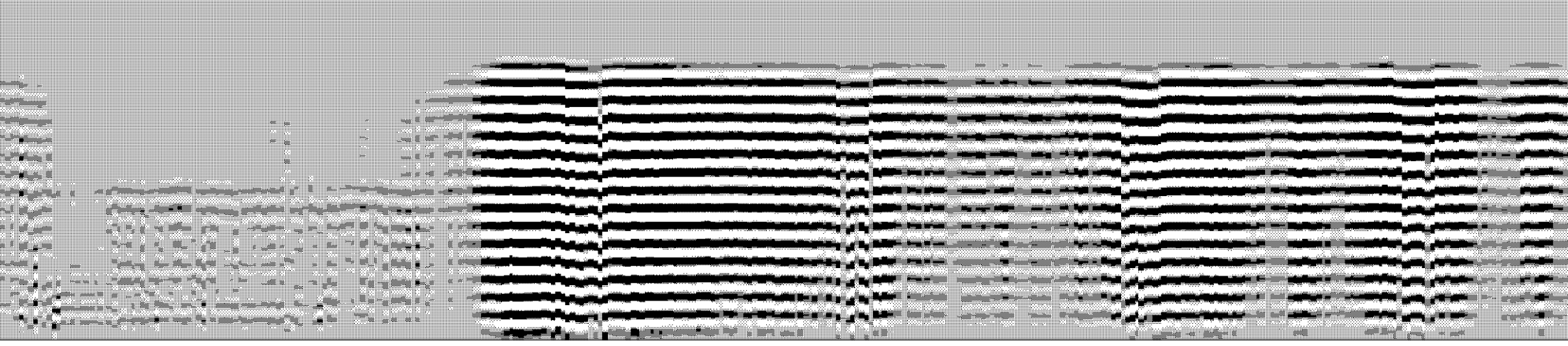
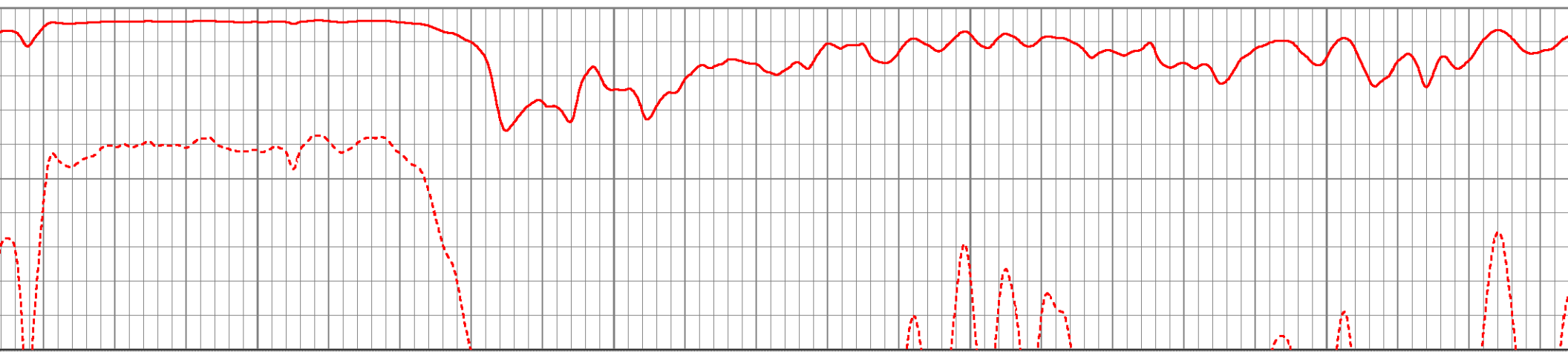
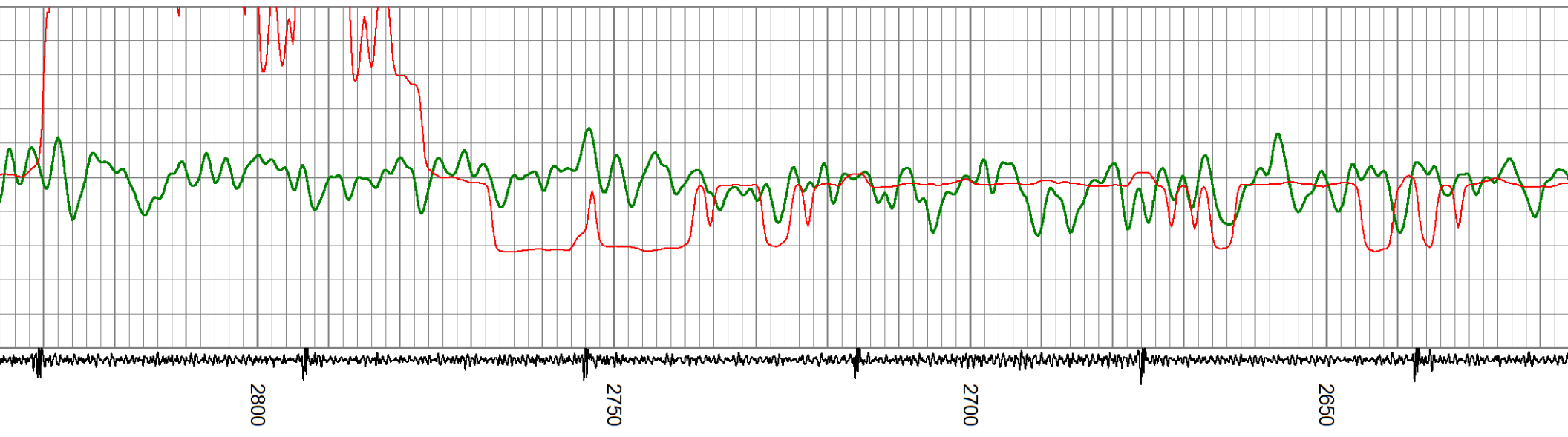




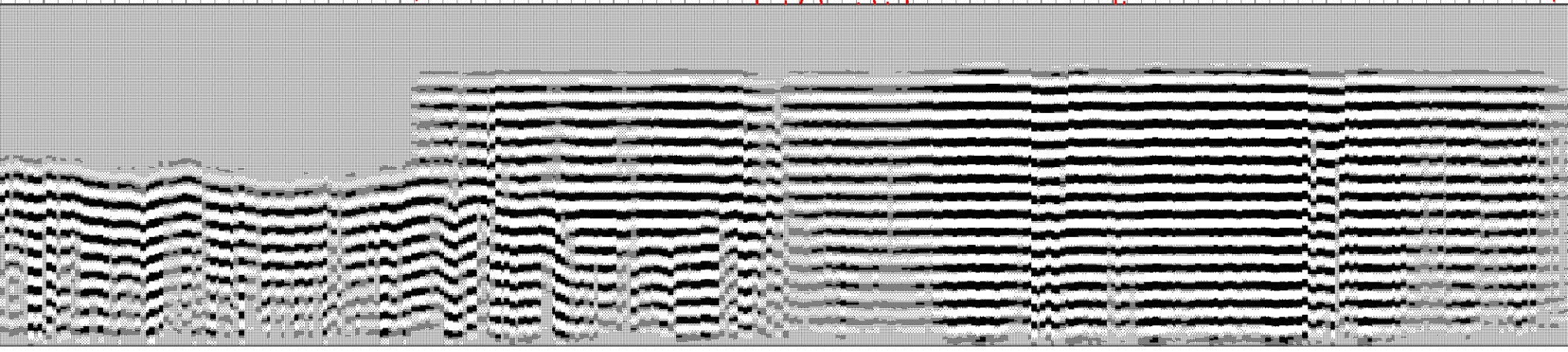
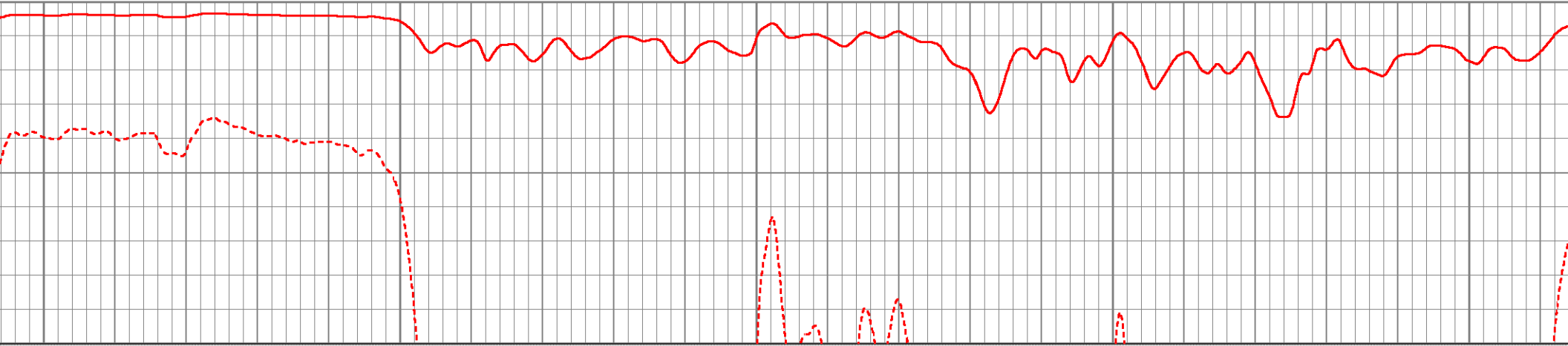
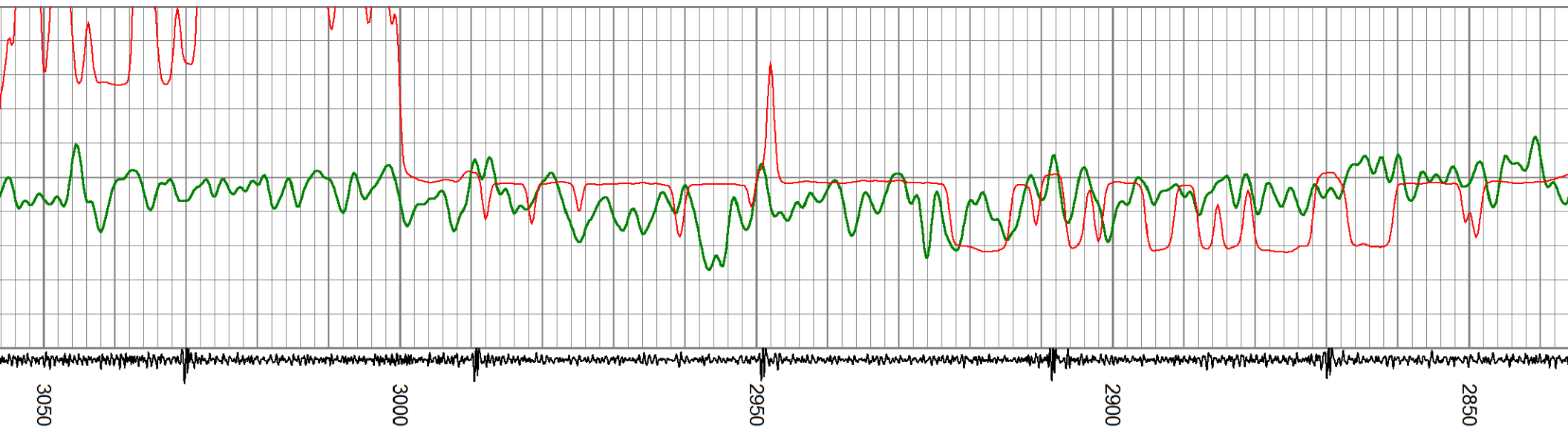


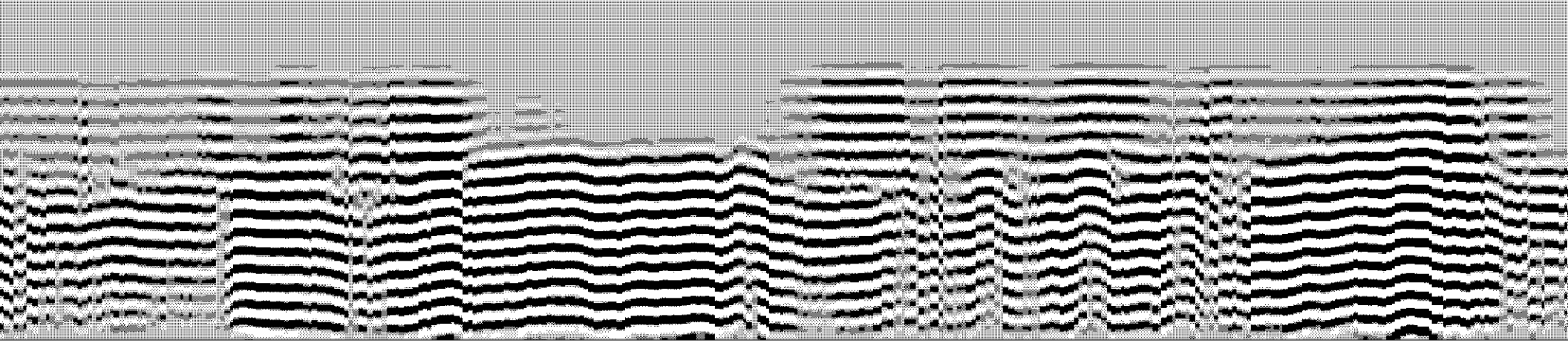
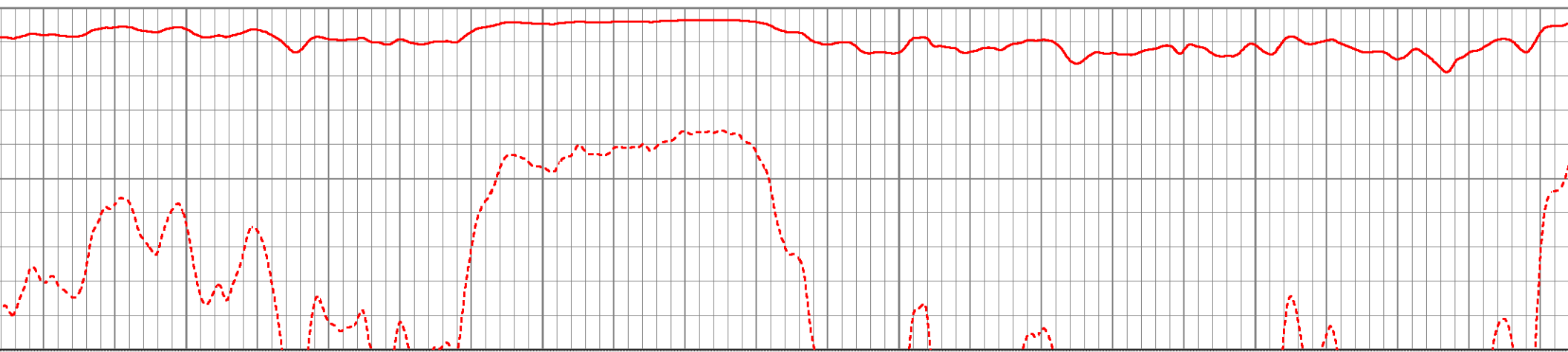
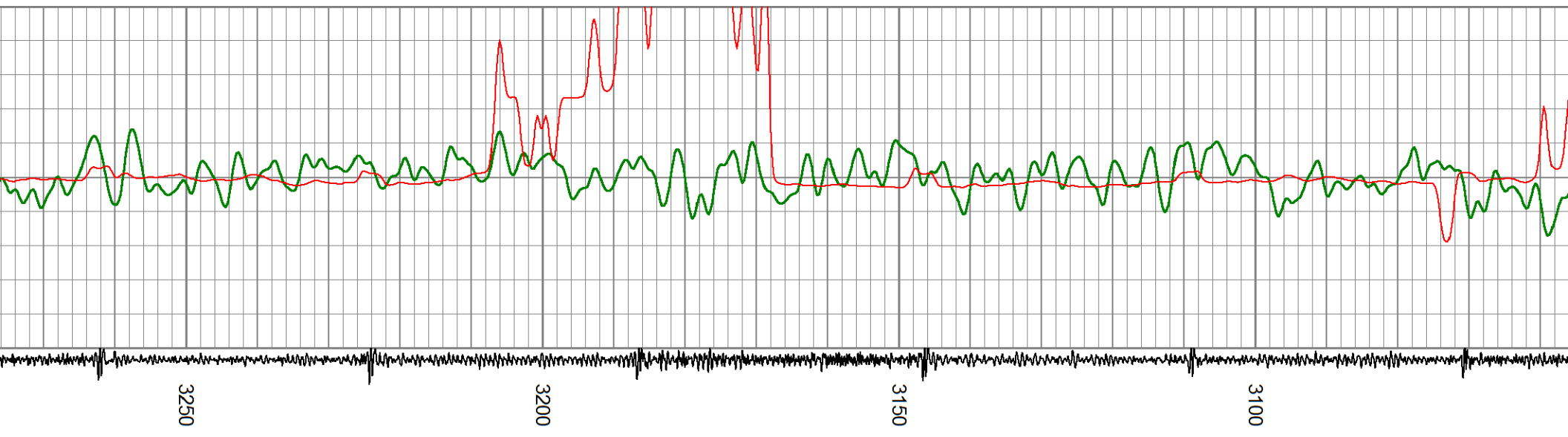


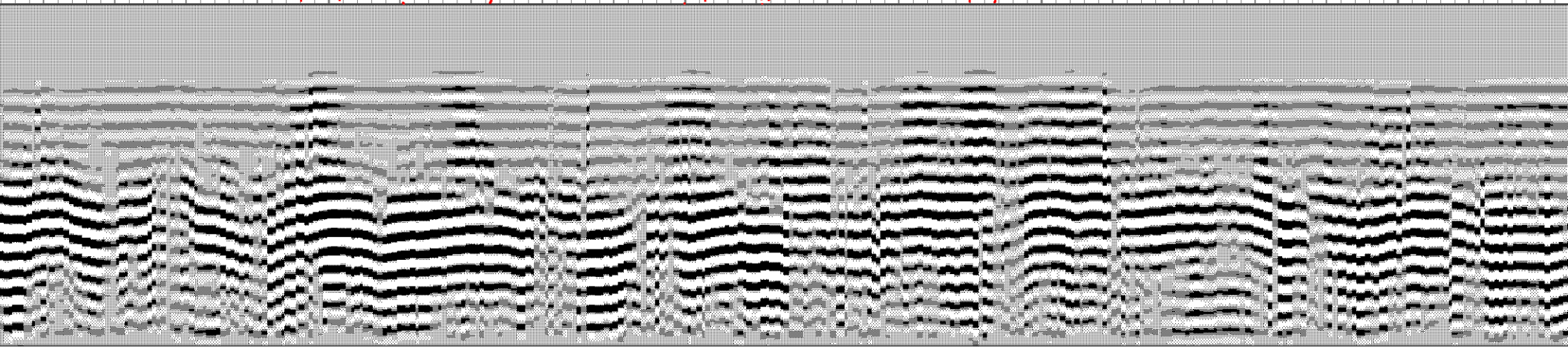
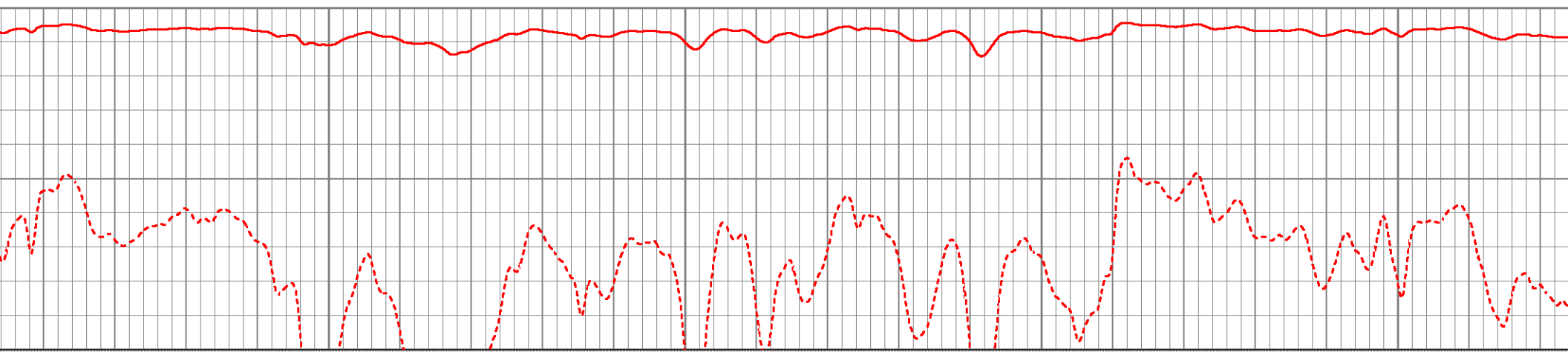
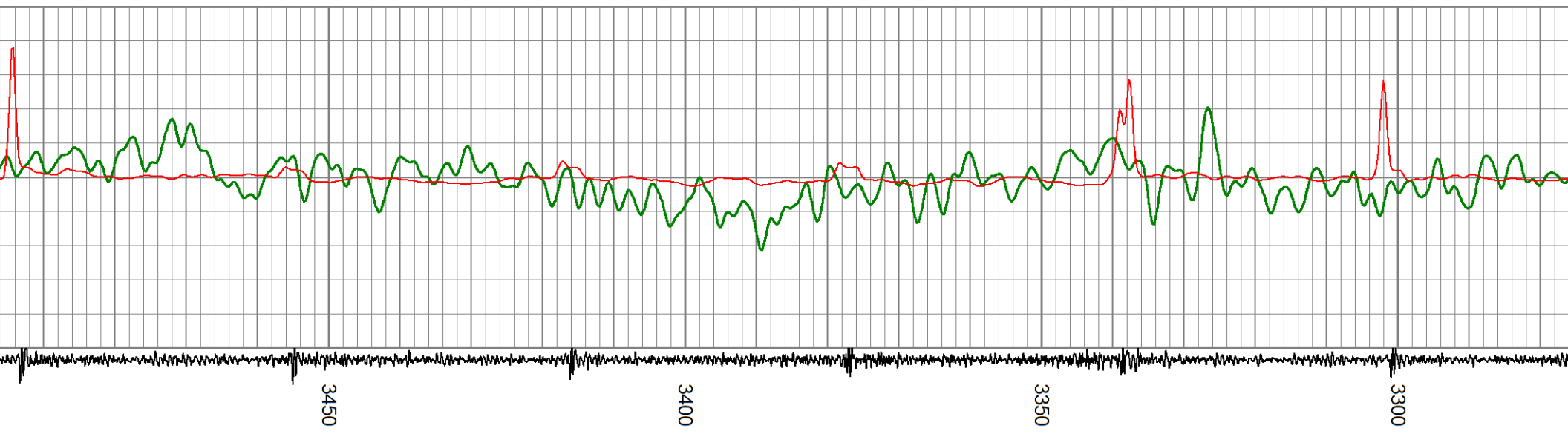


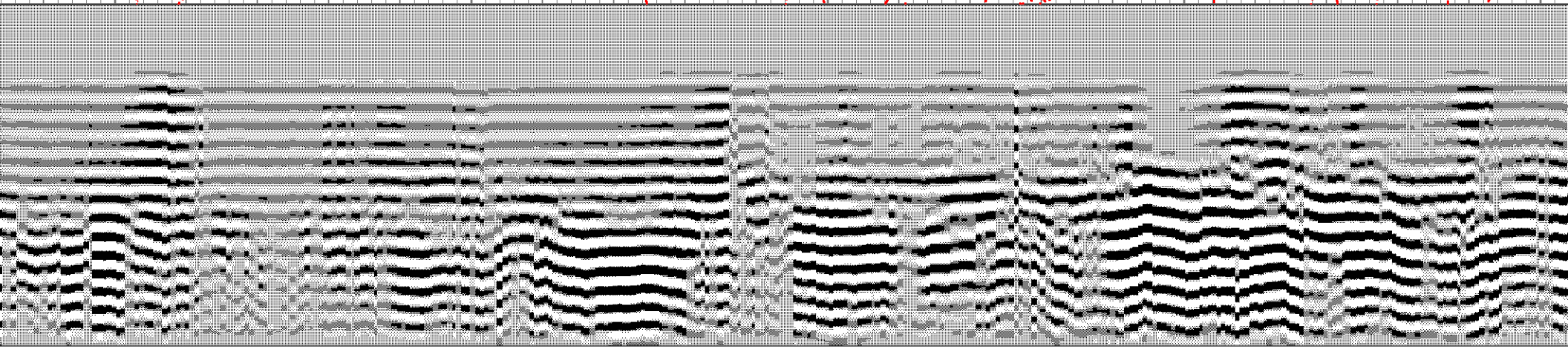
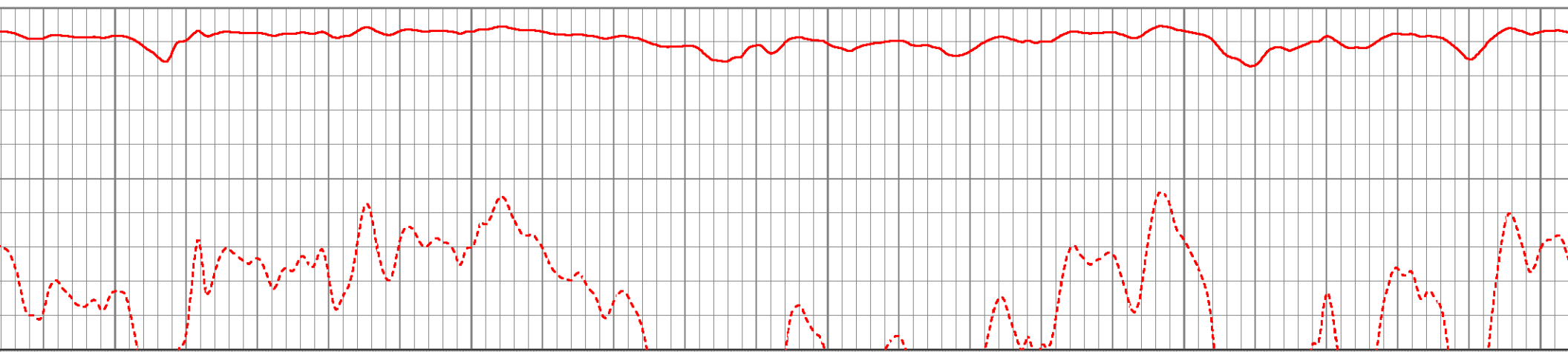
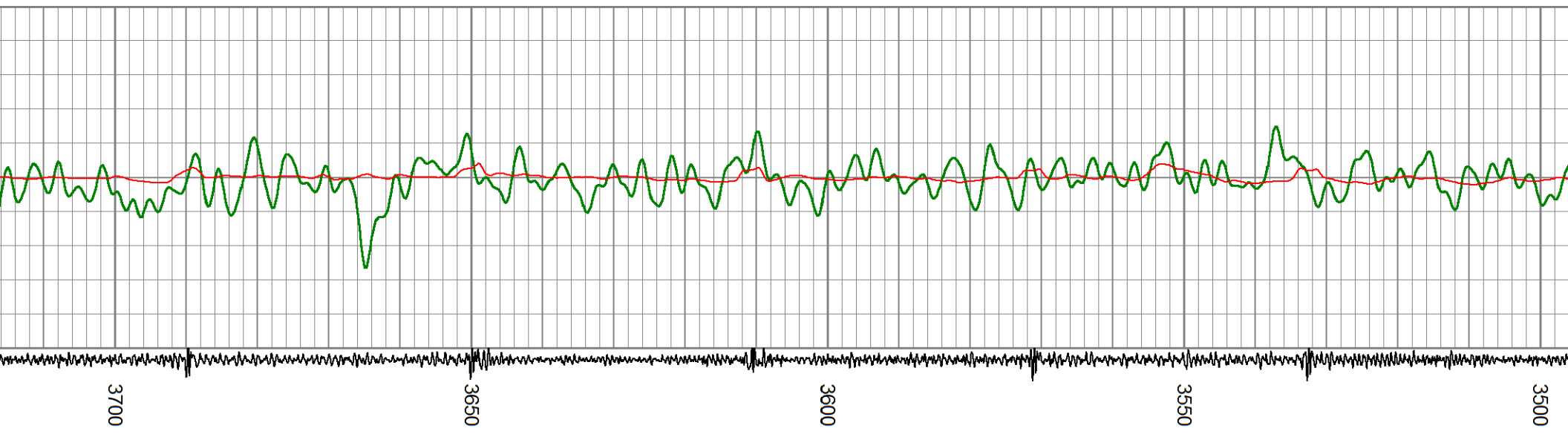


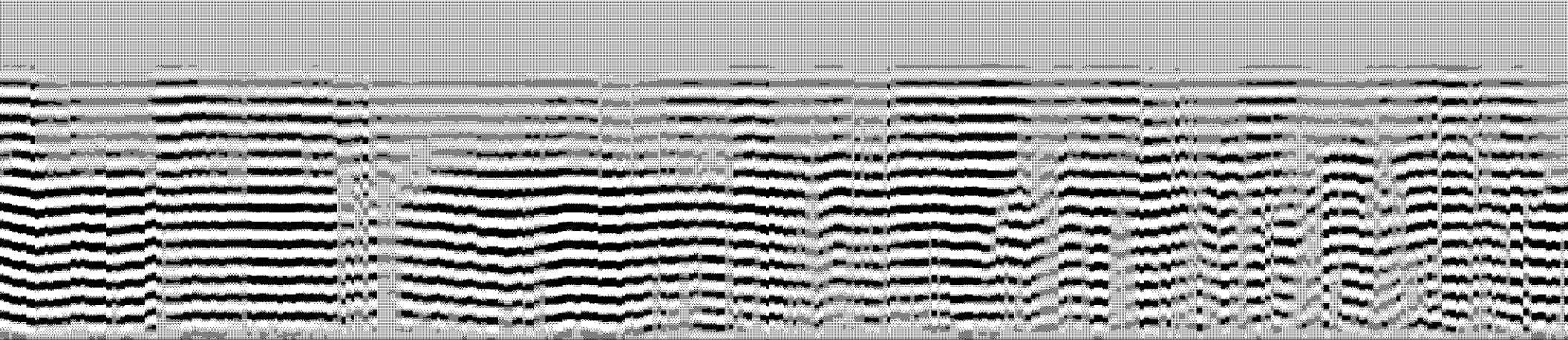
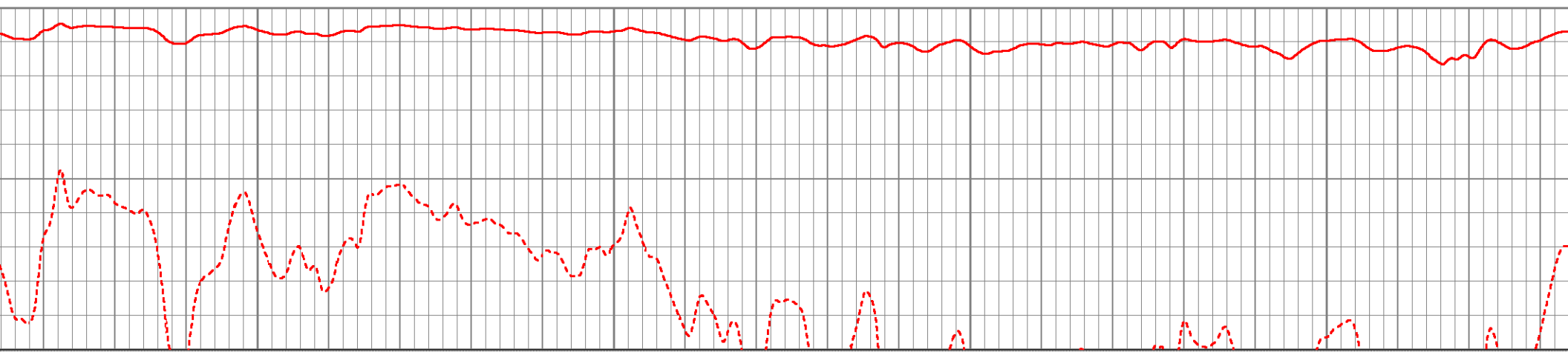
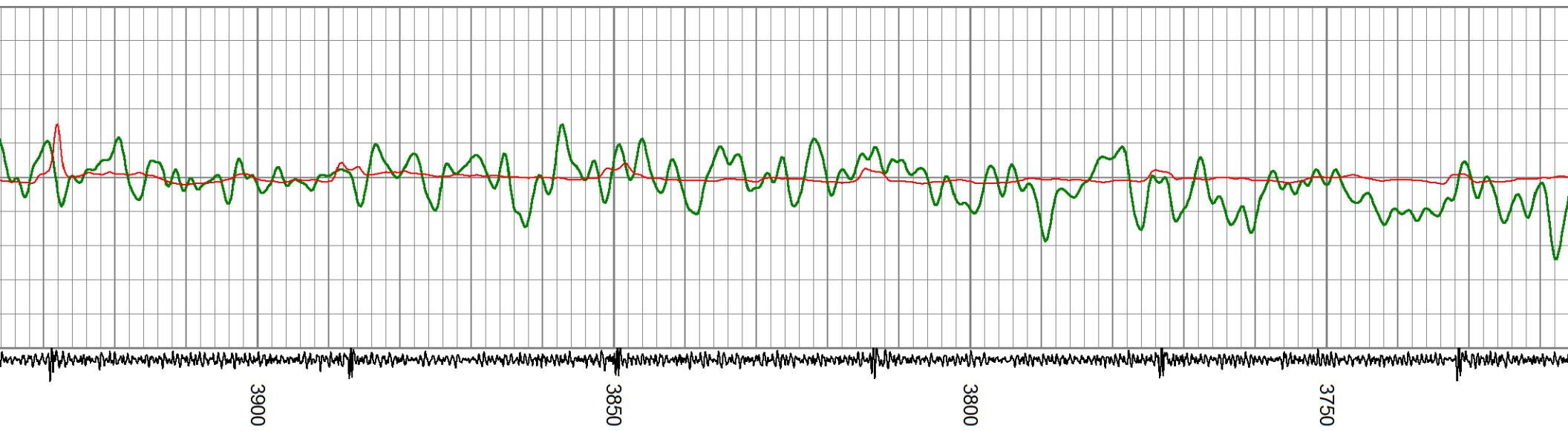


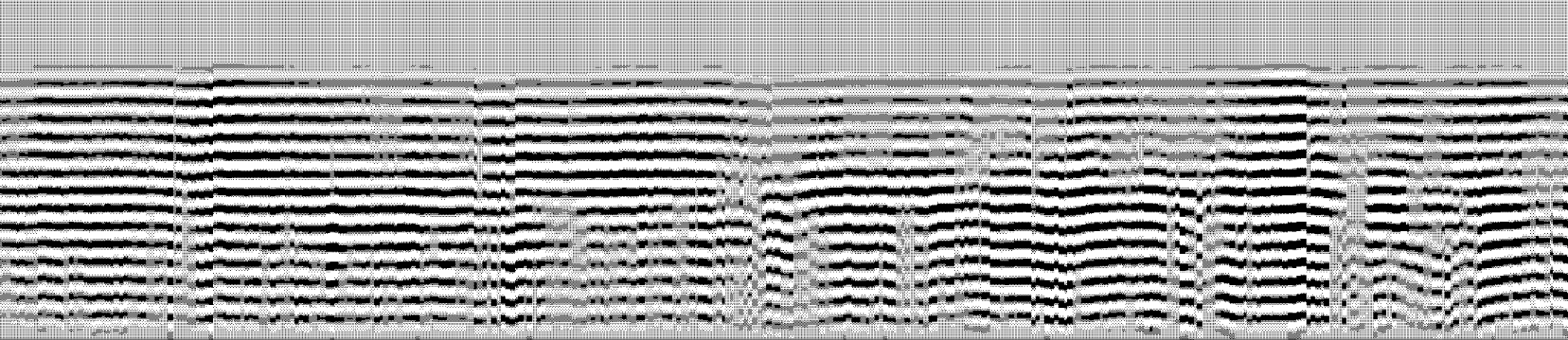
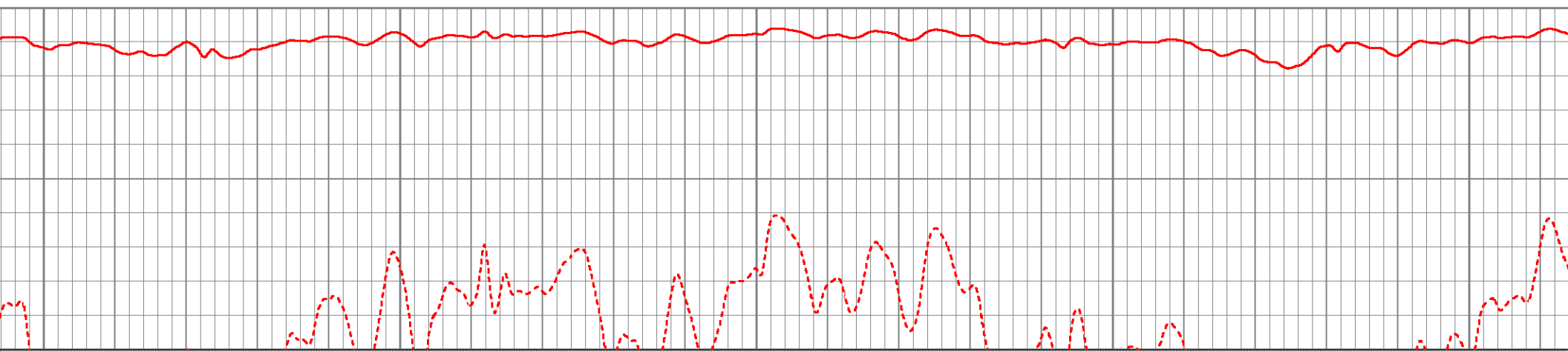
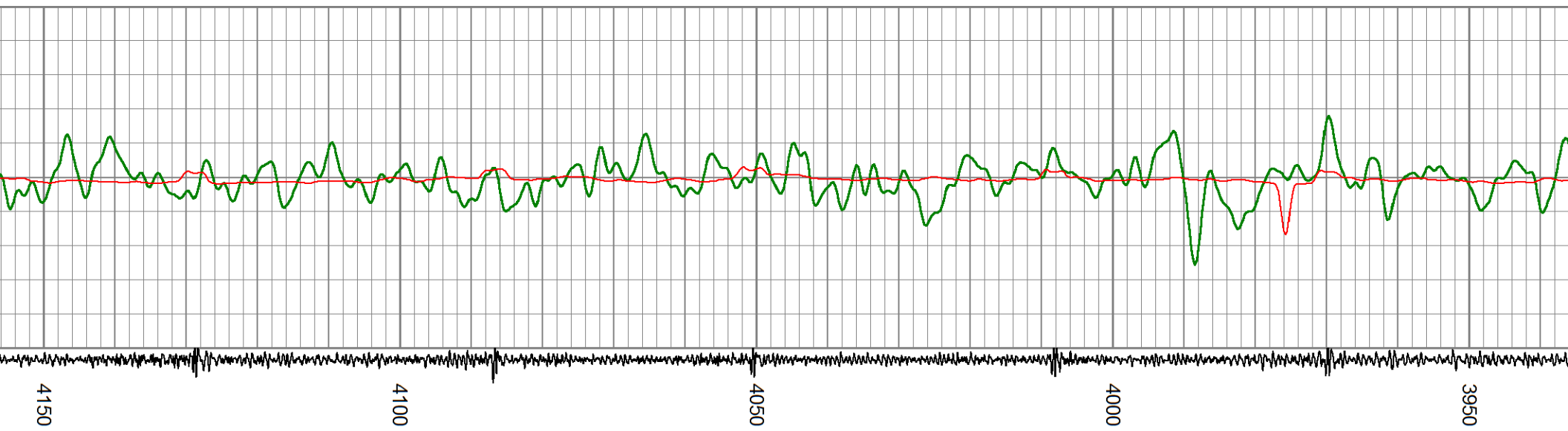




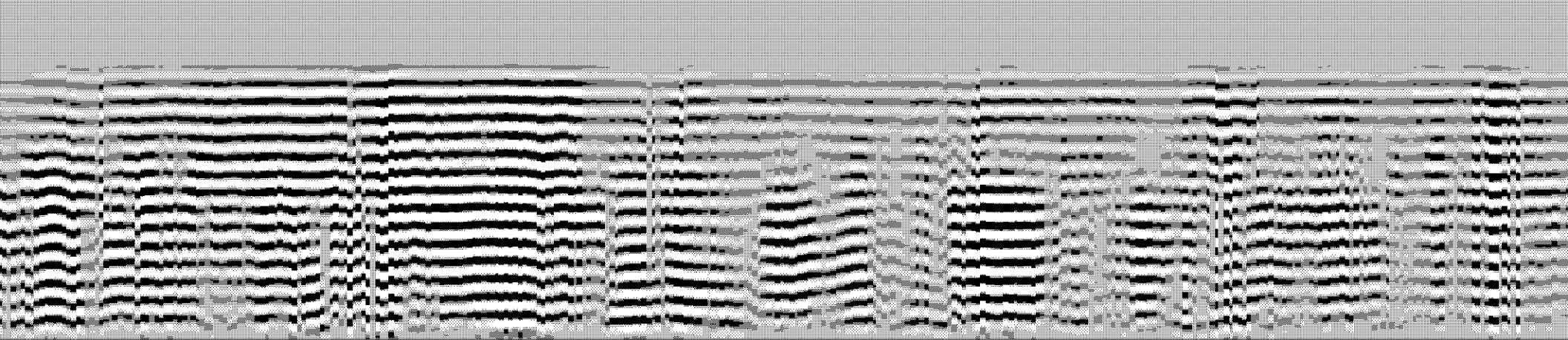
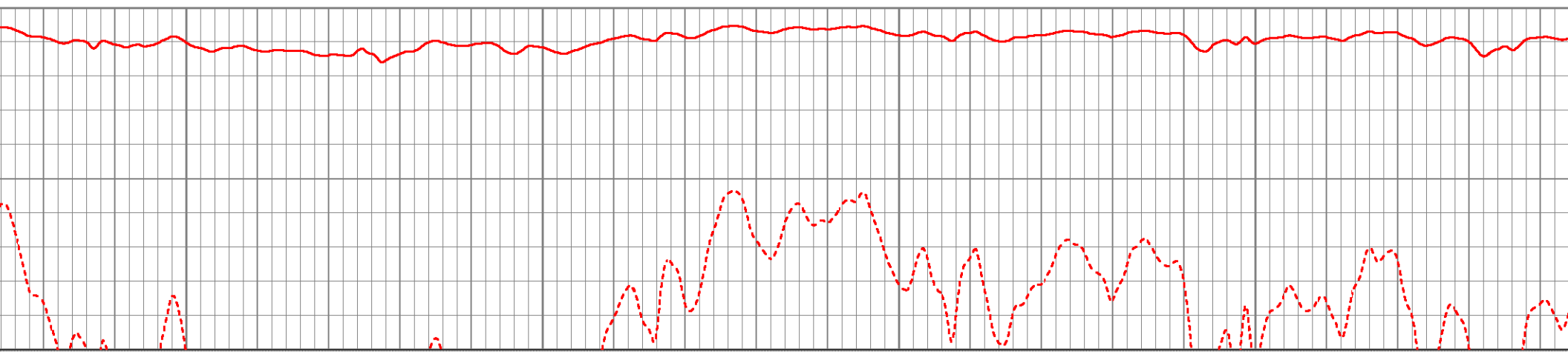
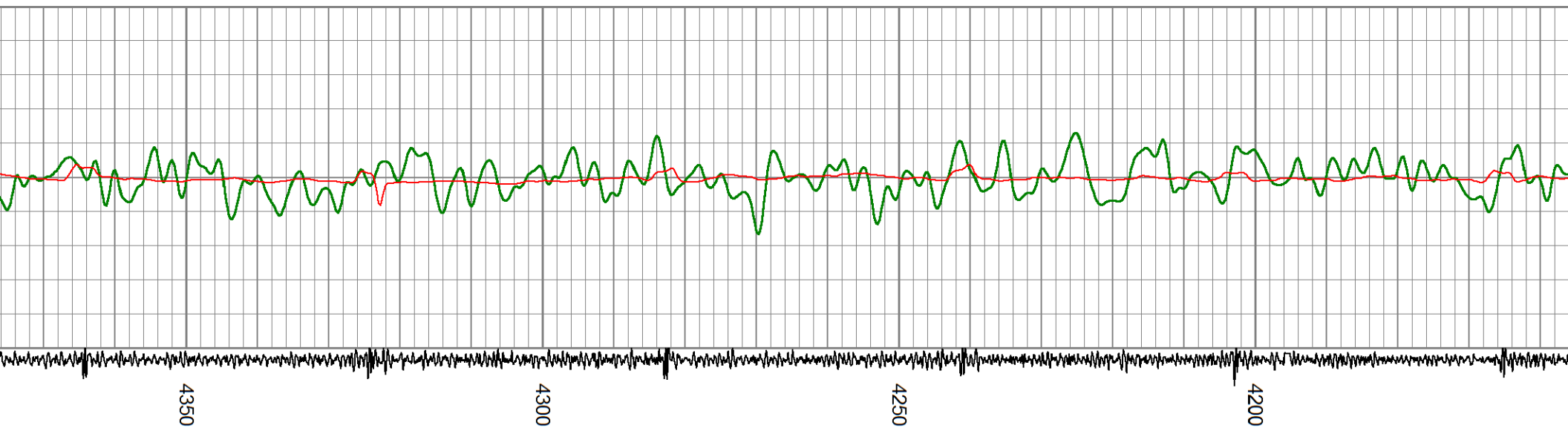


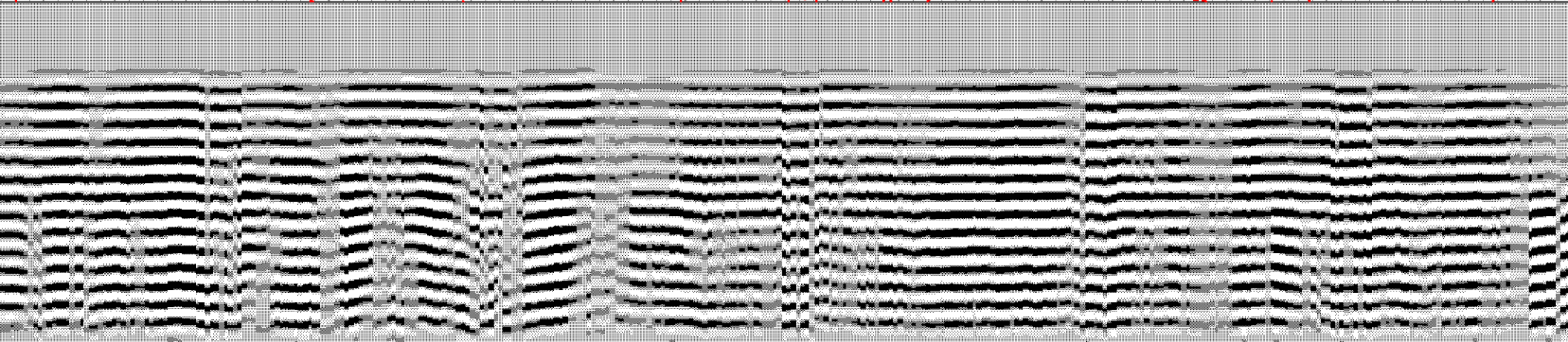
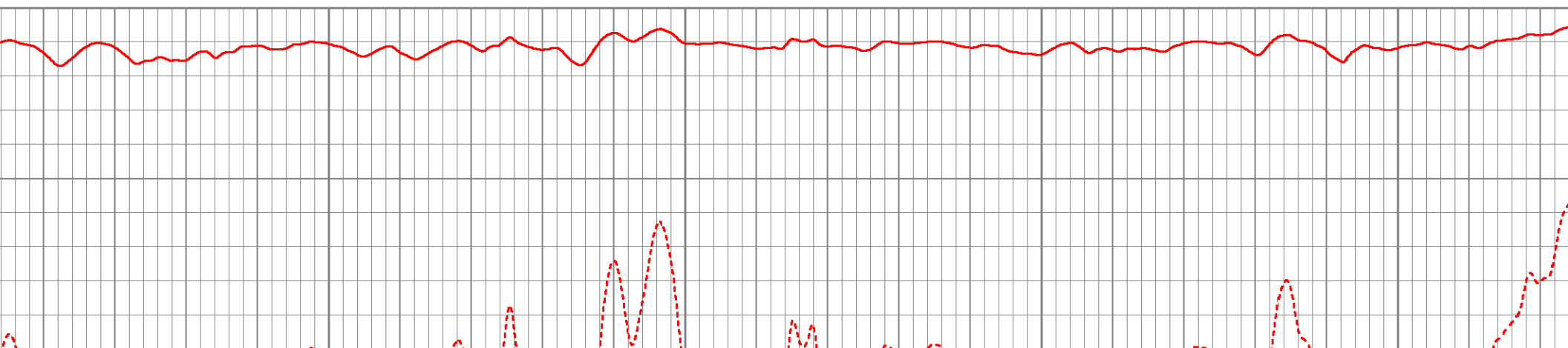
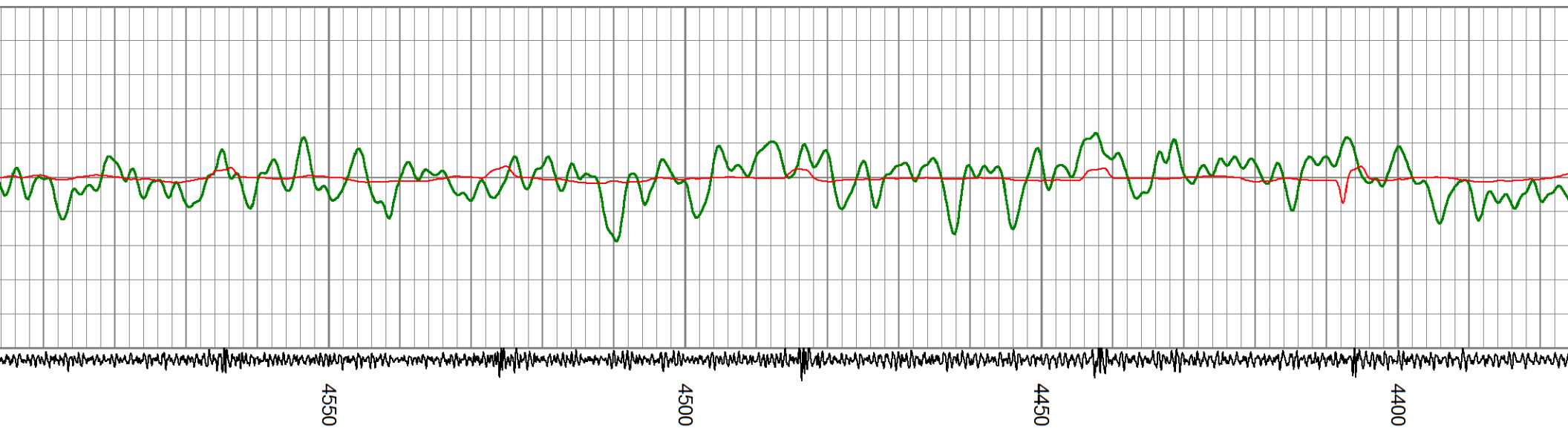


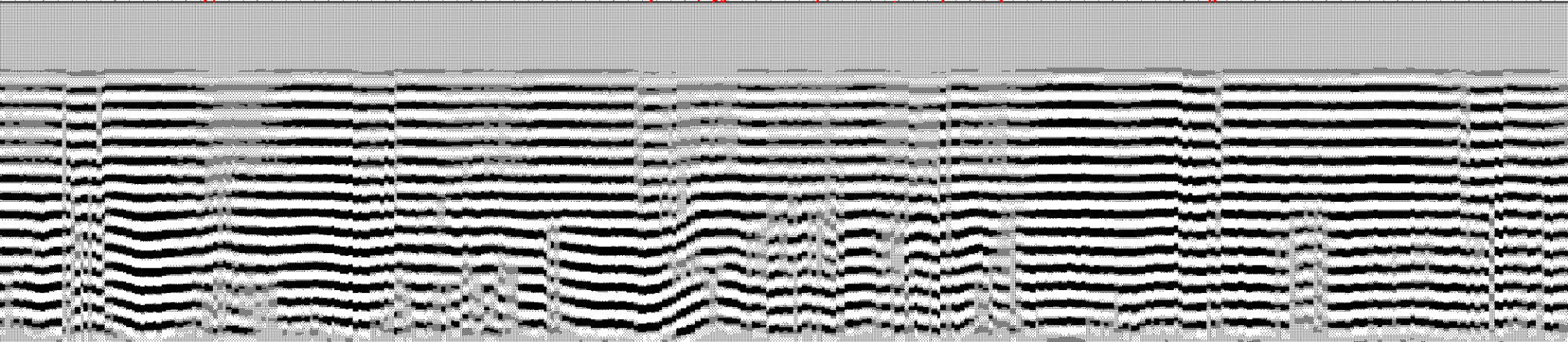
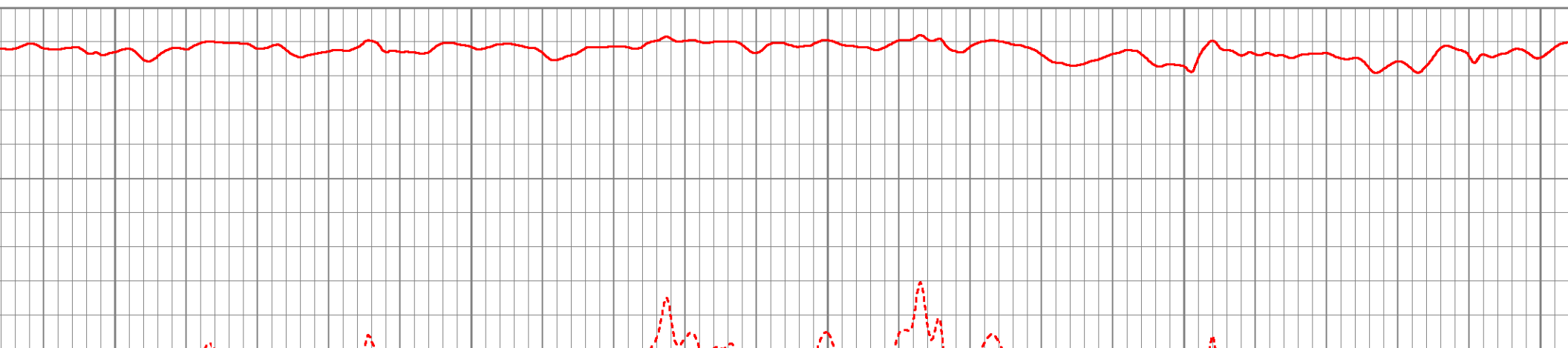
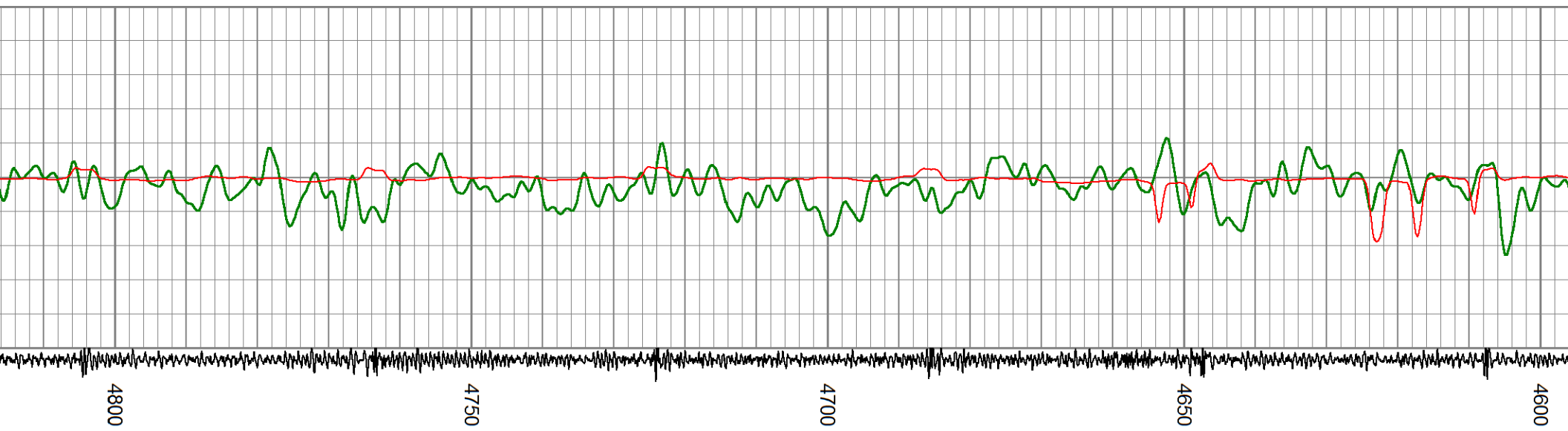


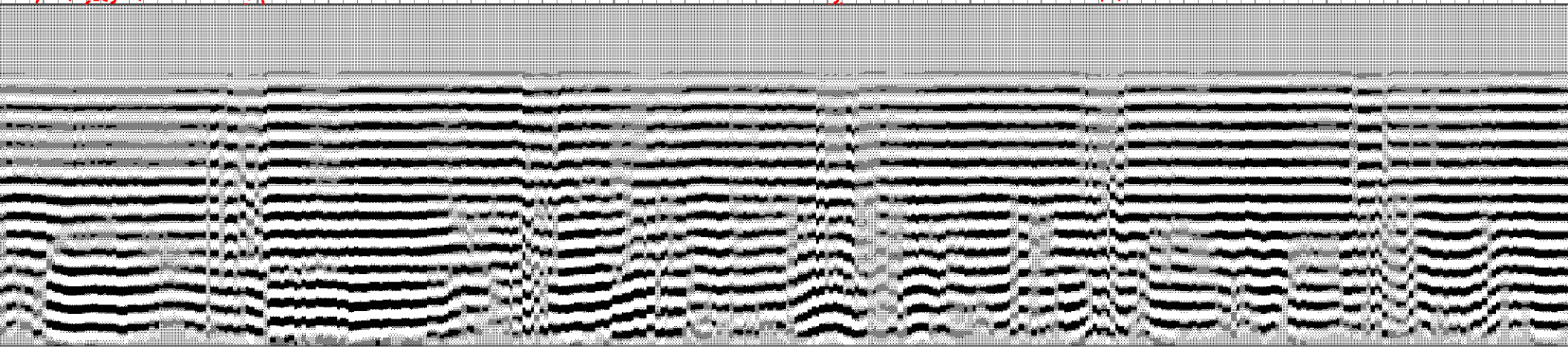
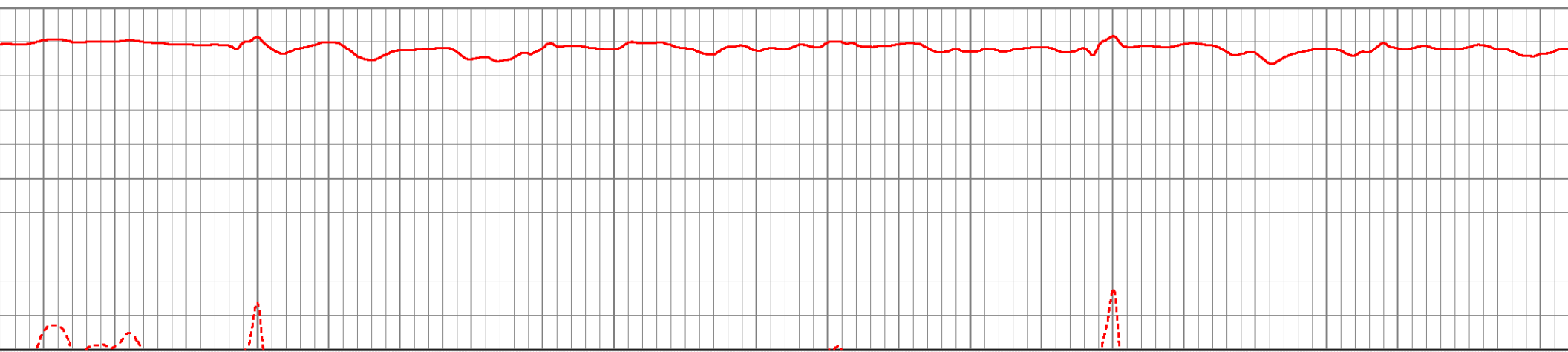
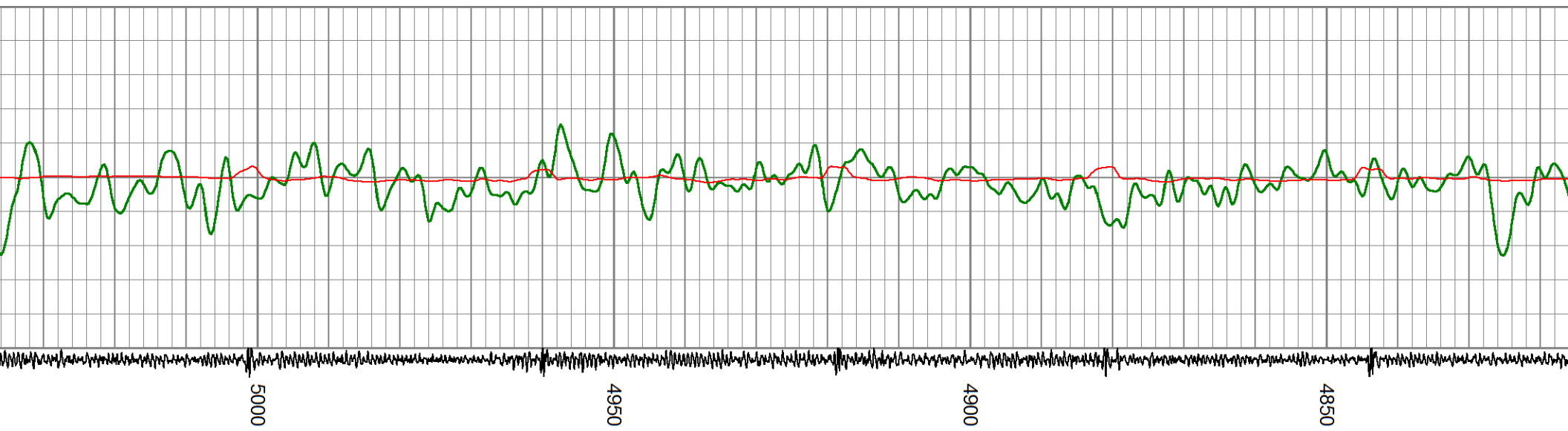


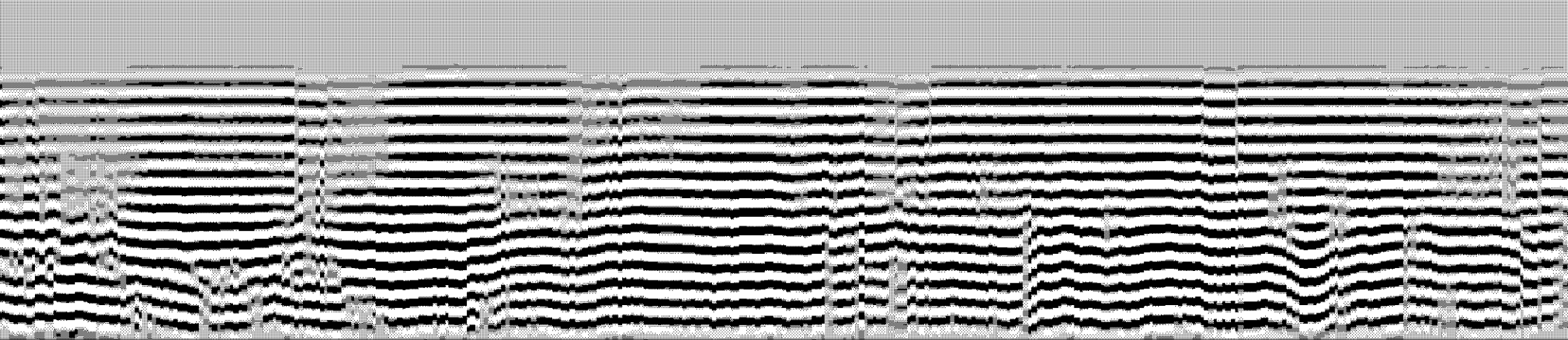
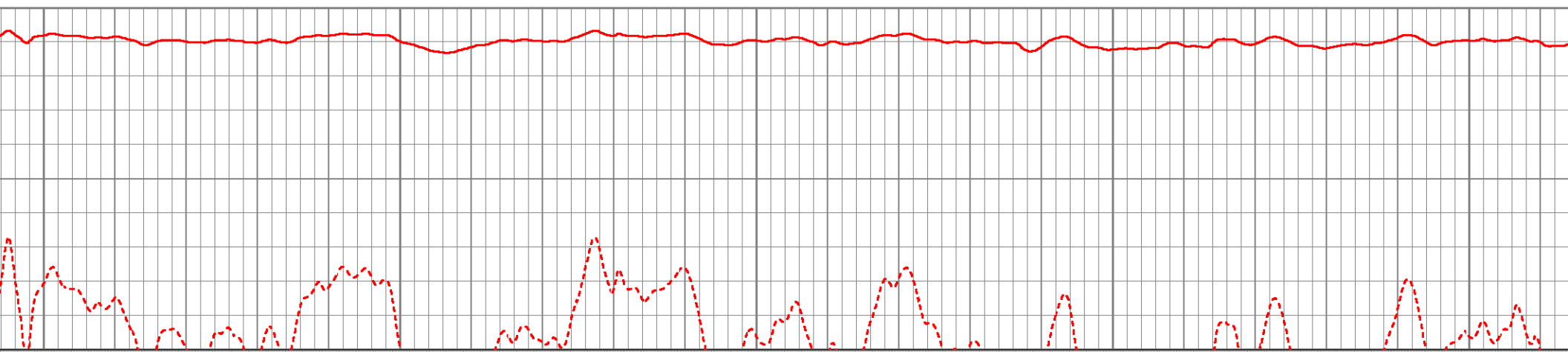
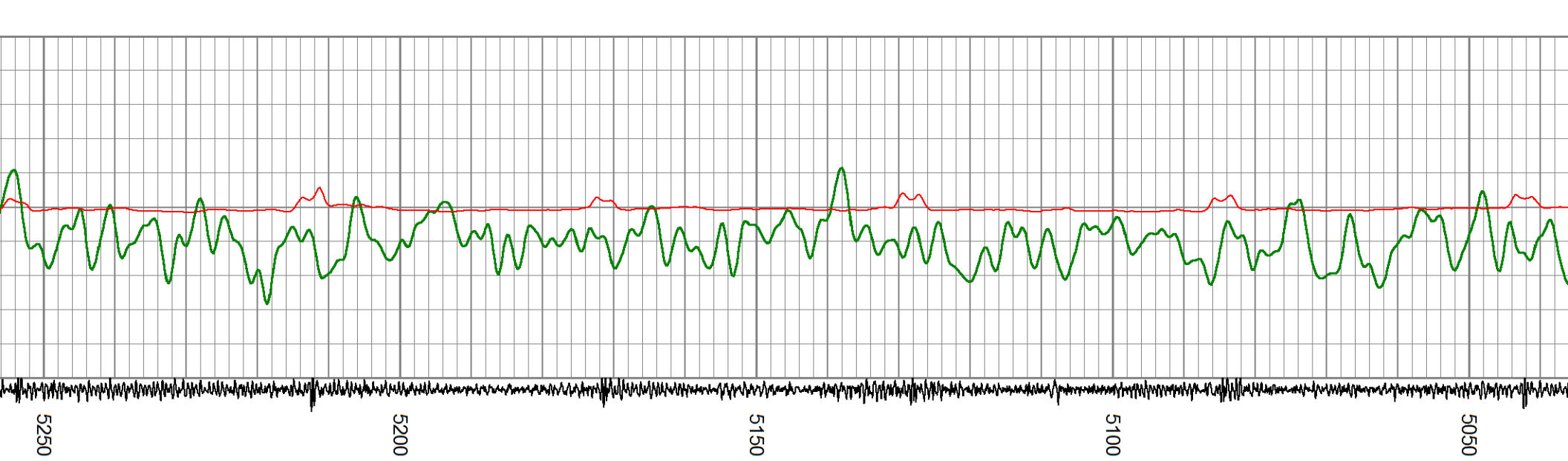


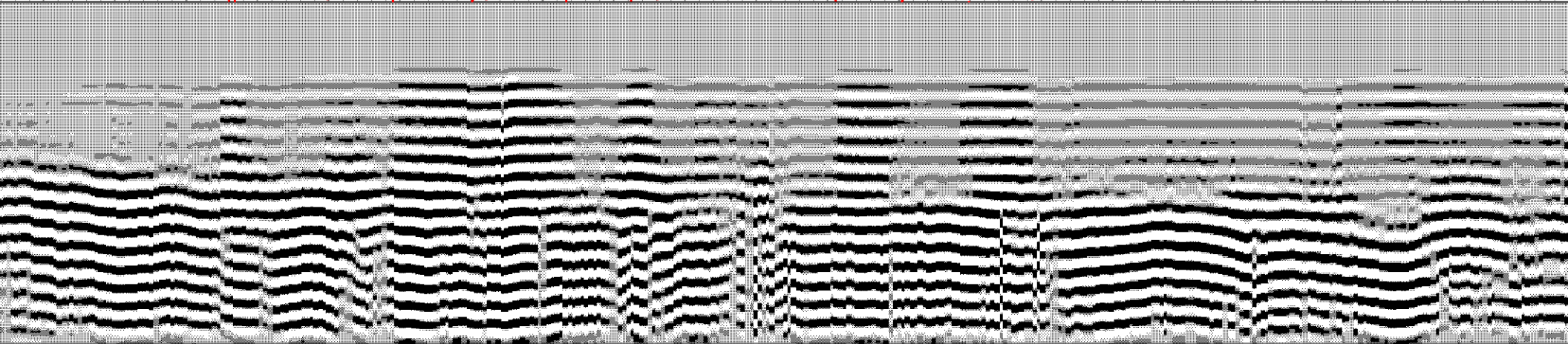
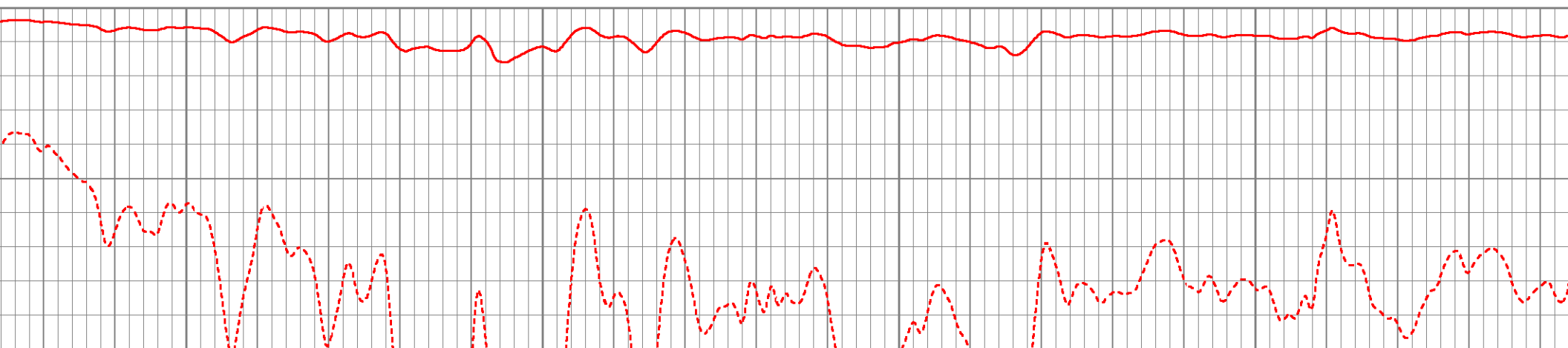
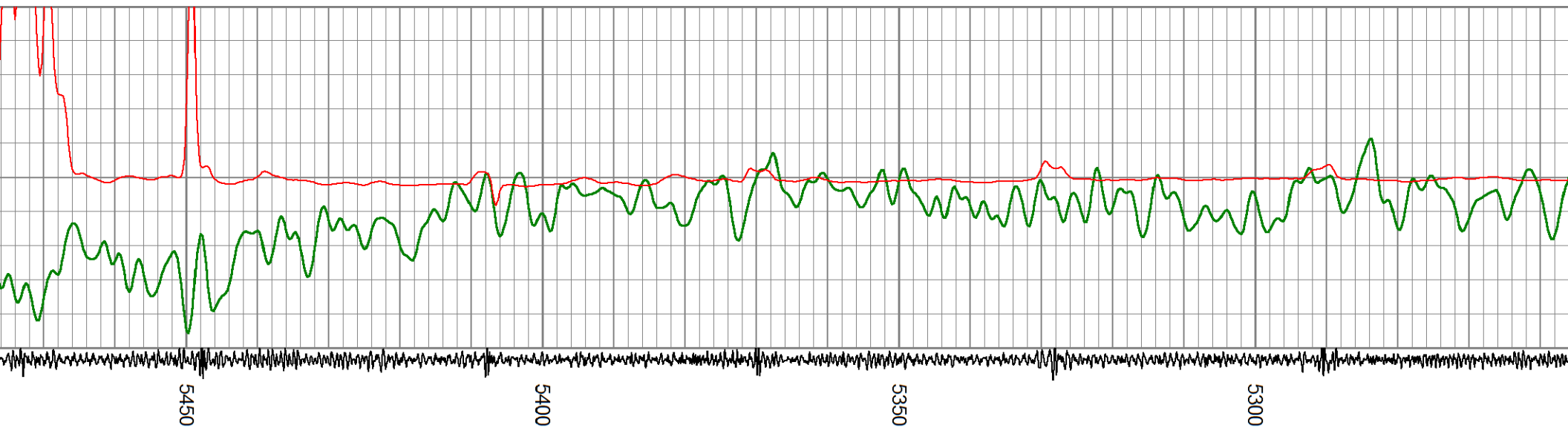




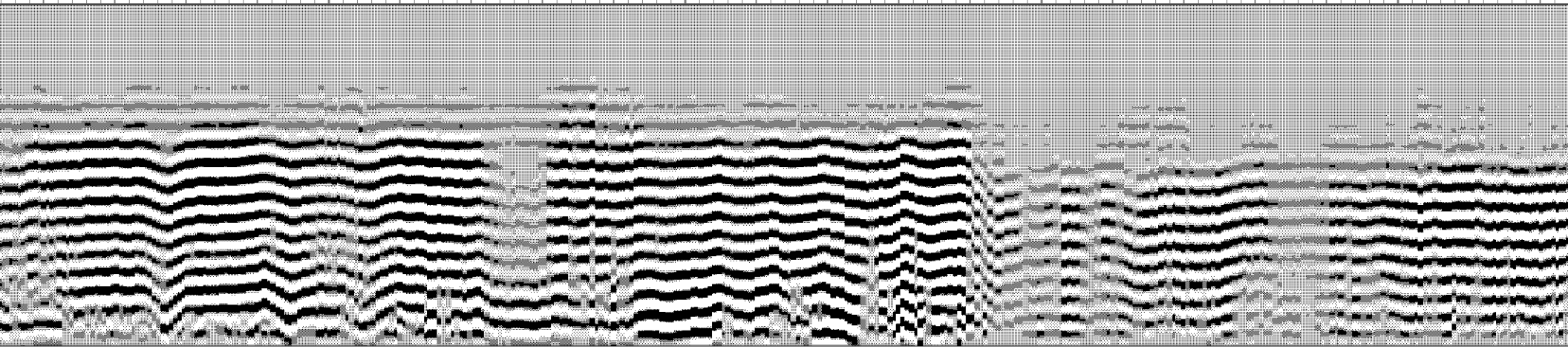
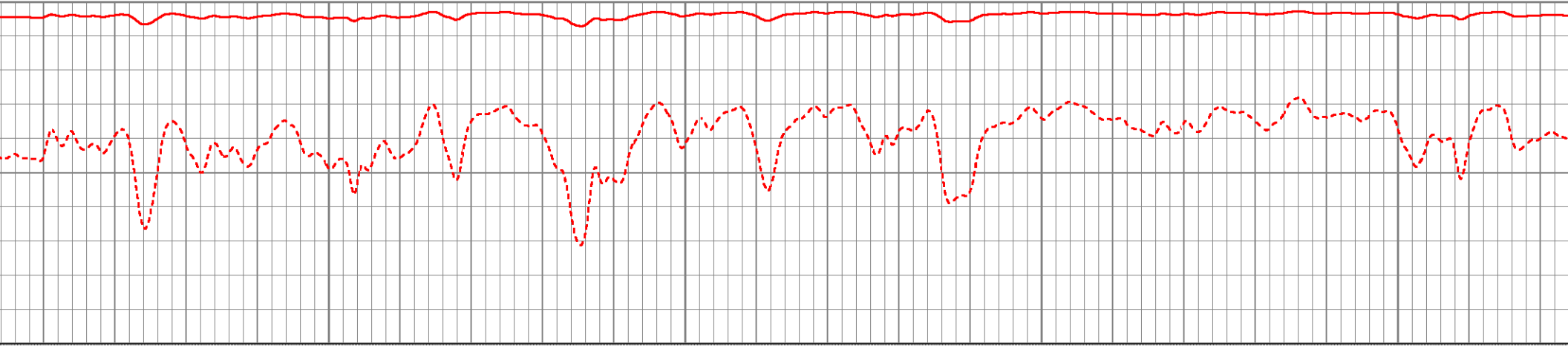
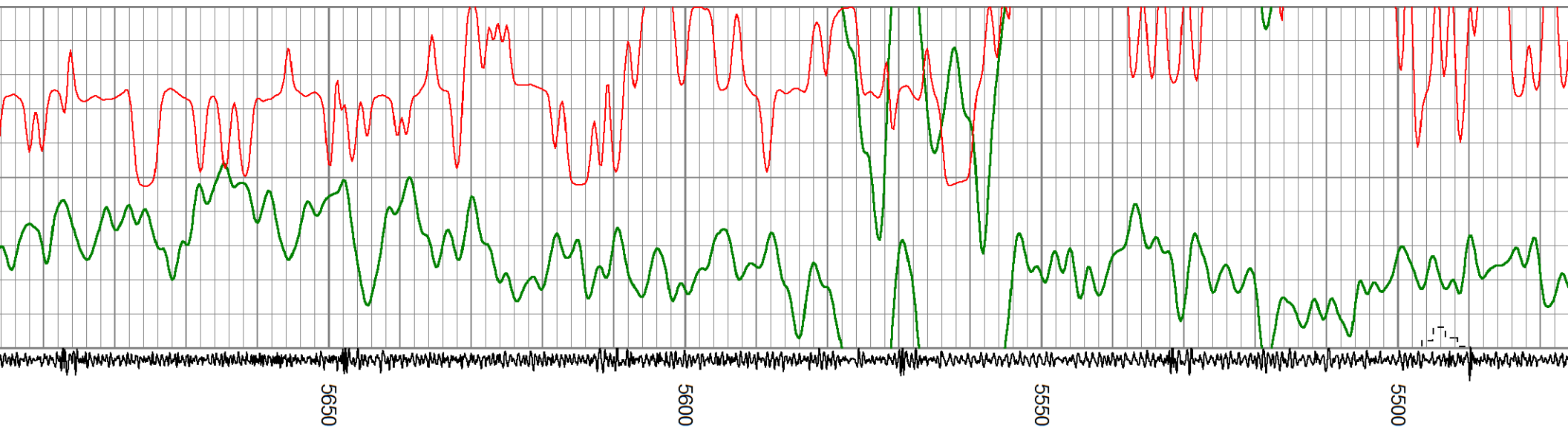


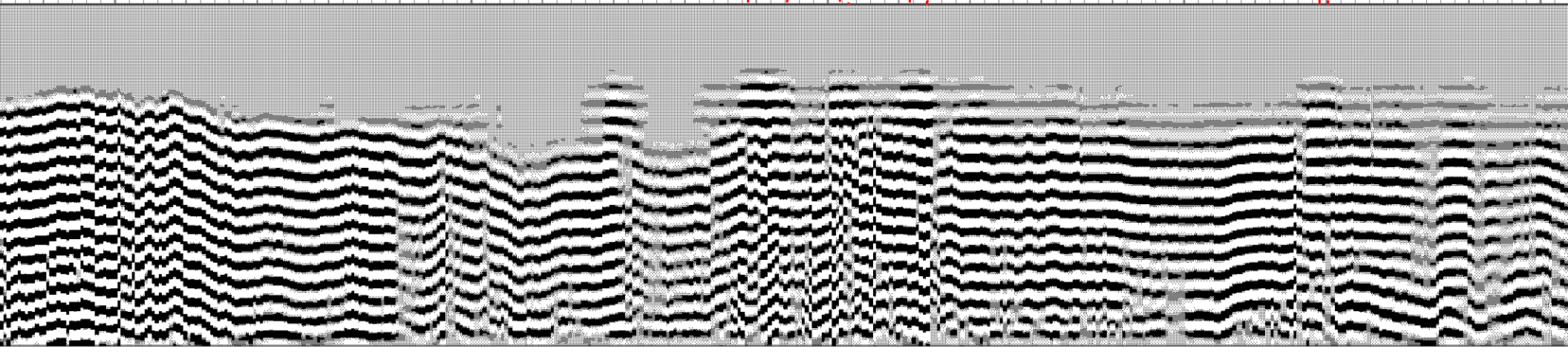
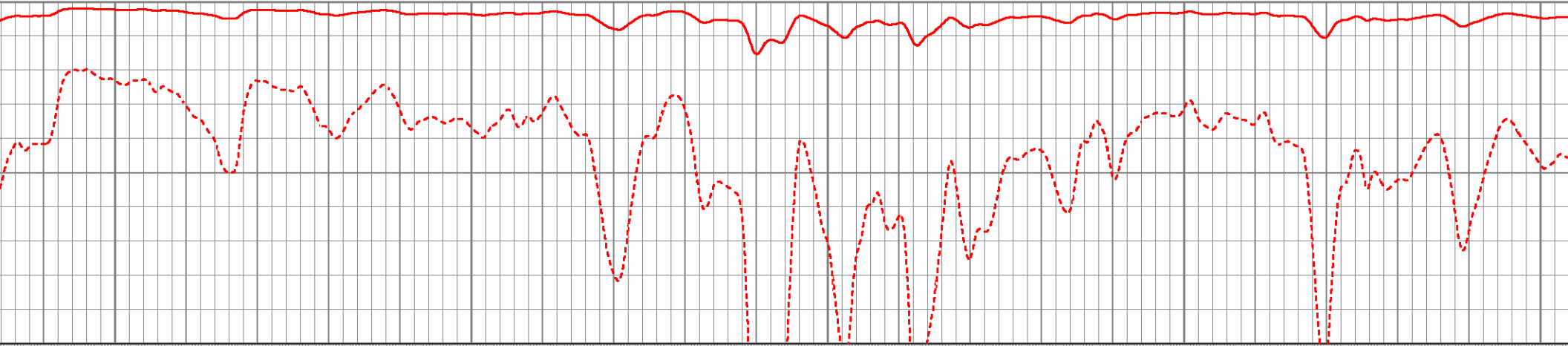
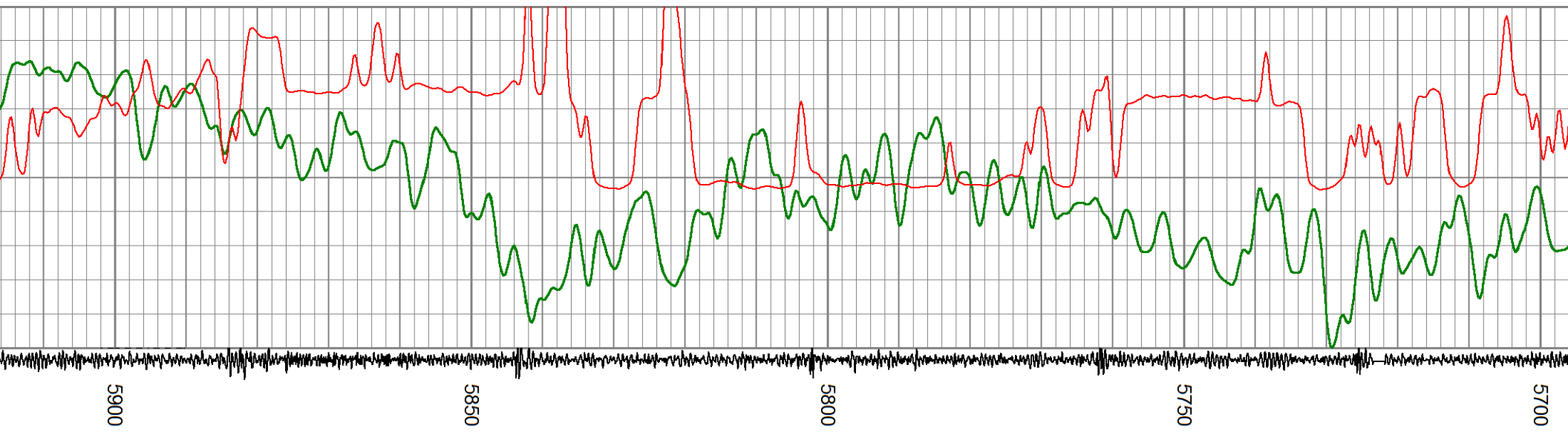


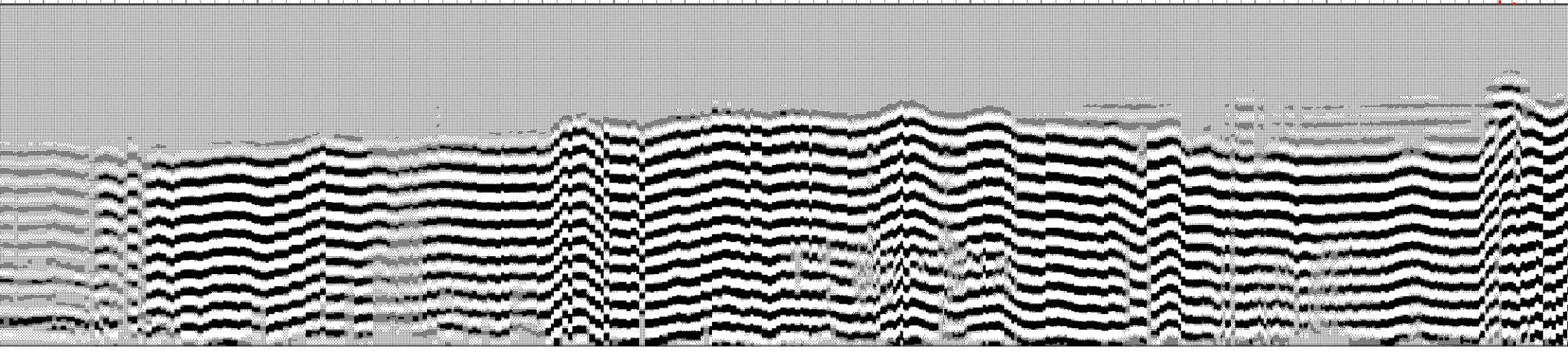
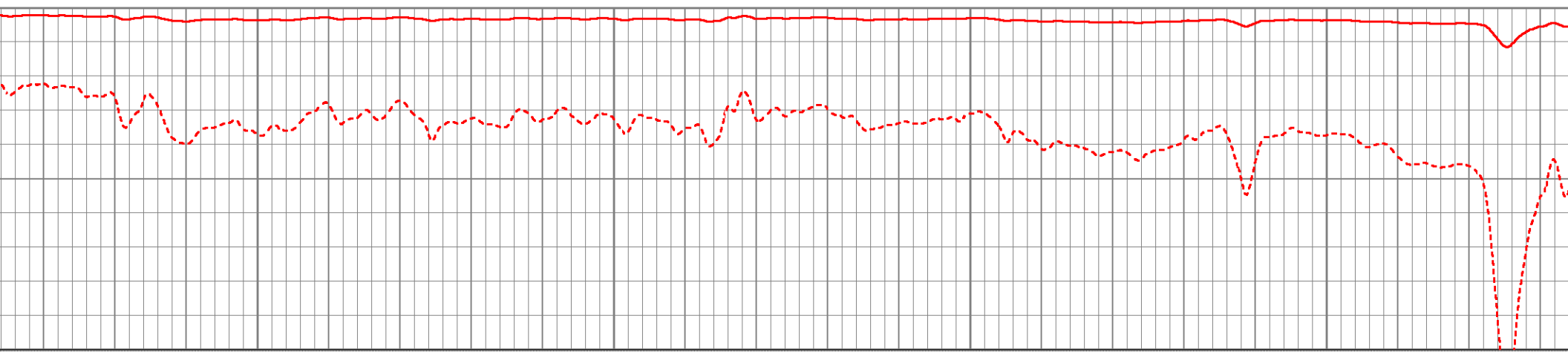
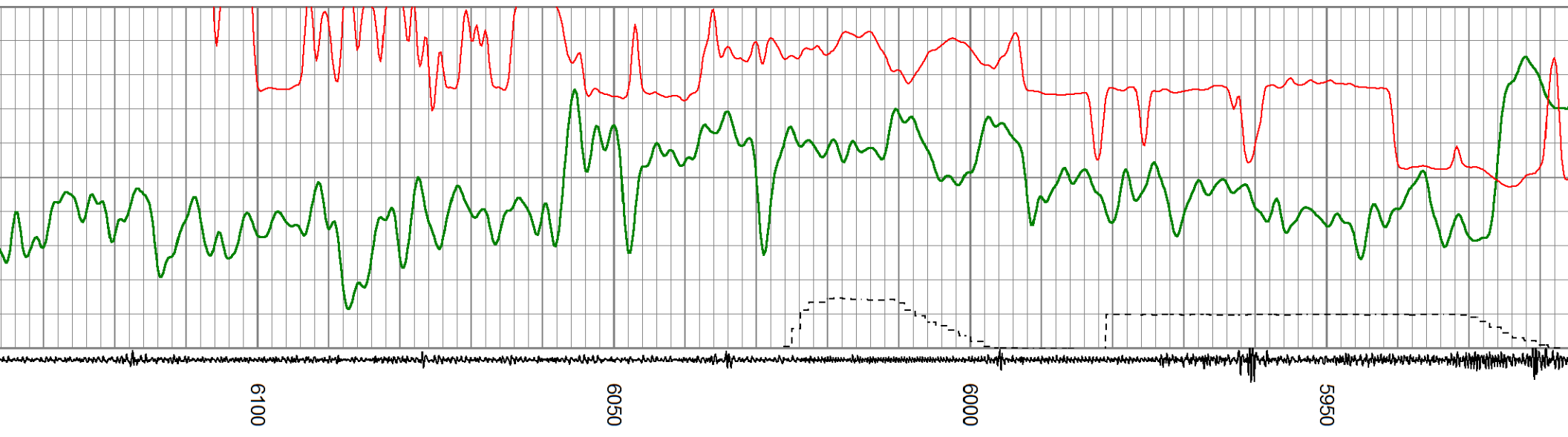


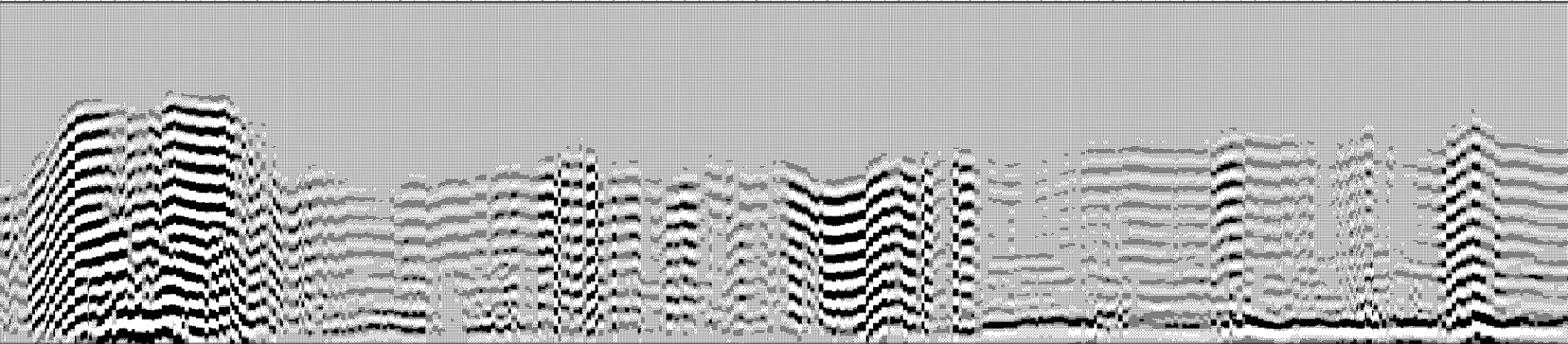
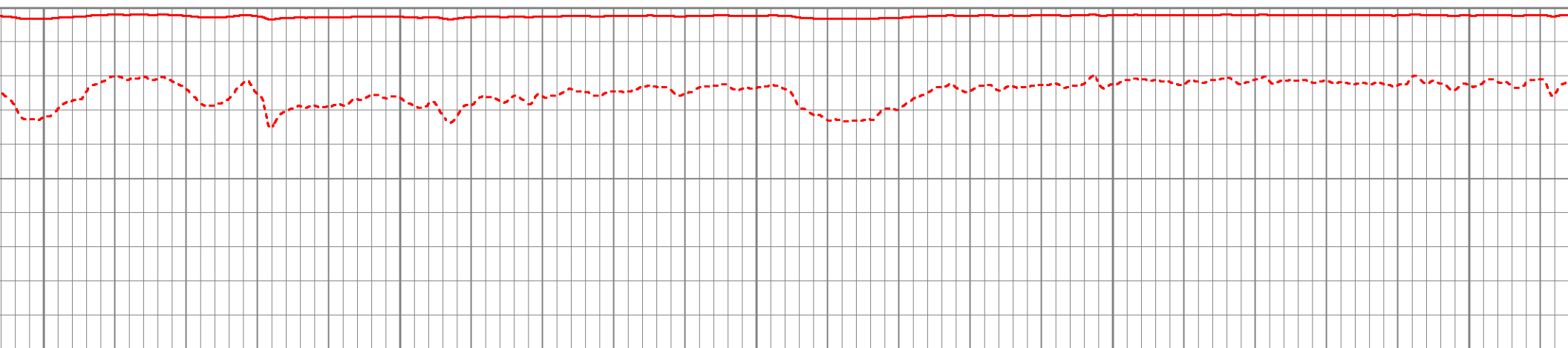
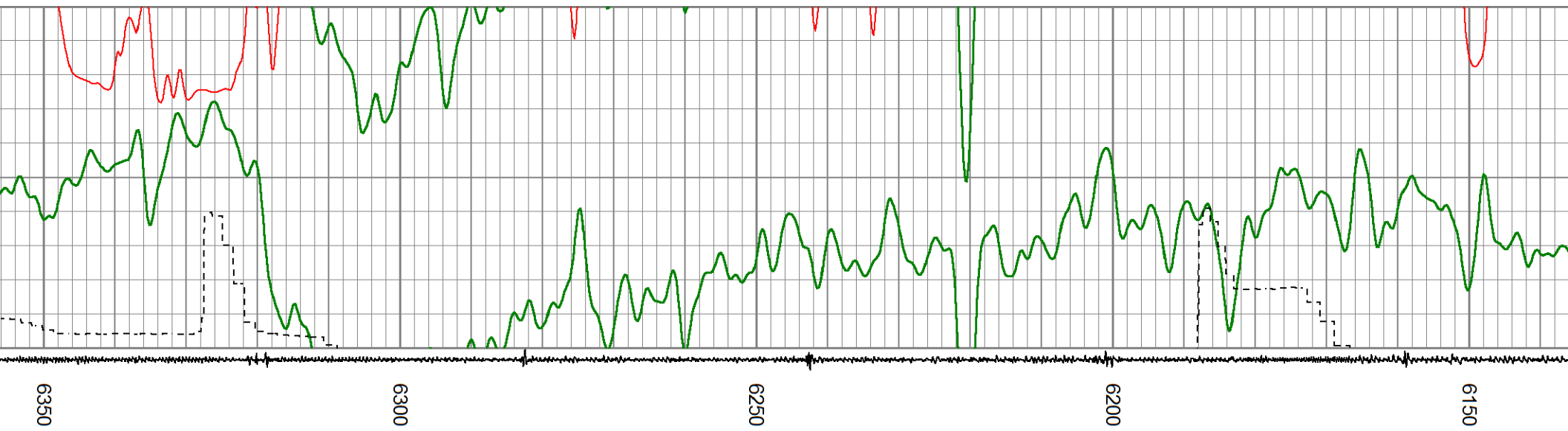


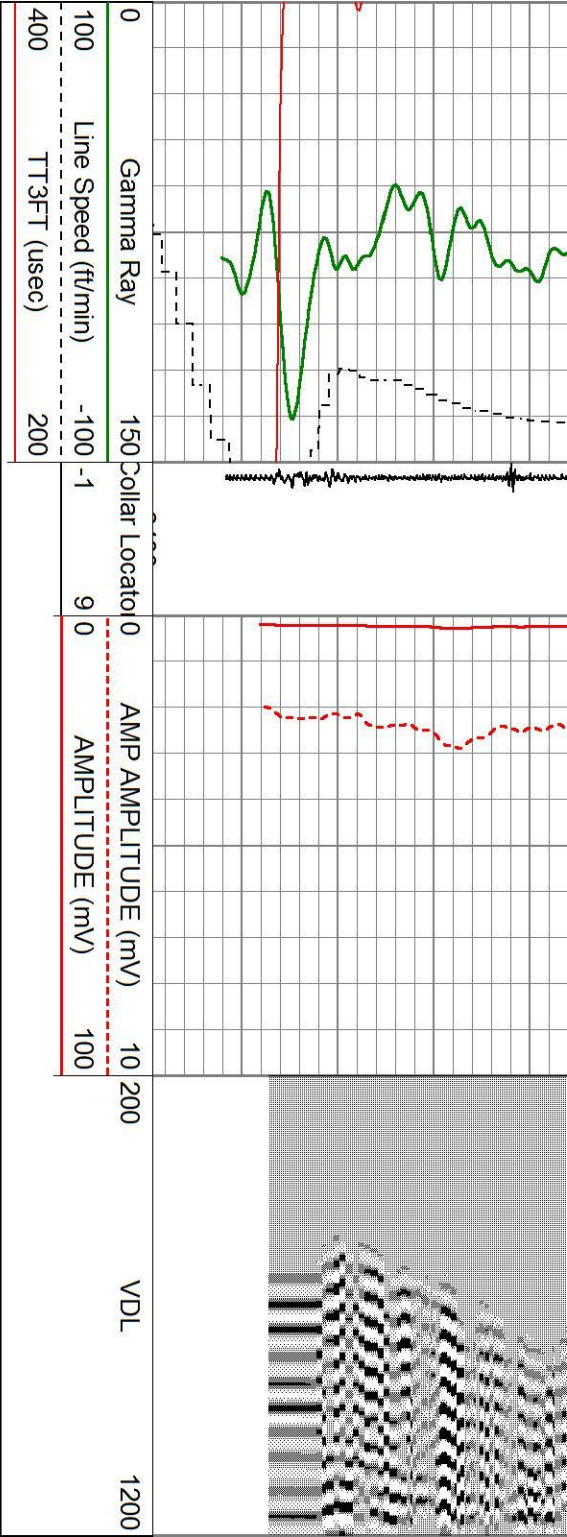













Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
			Cable Head-Titan 1 11/16" Titan Cable Head	1.03	1.69	2.00	
			SCBL-275 TekCo w Temp (IU953-01) TekCo 2 3/4" Sector Tool with Temperature	9.13	2.75	102.00	
TEMP	15.15						
WVFS8	13.85						
WVFS7	13.85						
WVFS6	13.85						
WVFS5	13.85						
WVFS4	13.85						
WVFS3	13.85						
WVFS2	13.85						
WVFS1	13.85						
WVFS3FT	13.10						
WVFS5FT	12.10						
WVFSYNC	8.77						
WVFTEMP	8.77						
WVFCAL	8.77						
CCL	7.63						
			GR-275 TekCo (IT9K4-01) TekCo 2 3/4" 400 Deg. F Logging Gamma Ray	3.67	2.75	40.00	
			2 3/4" CCL Logging-275 TekCo_2 (IFRK1-03)	1.83	2.75	15.00	



GR	4.31							
		Bullnose-Titan GO Pin Pressure Cap	0.27	1.38	1.00			
		Centralizer-169 Titan Non-ADJ Titan 1 1/16" Non Adjustable Centralizer	3.00	2.88	22.00			

Dataset:
roundup storage field well #8.db: field/well/run1/CBL5

Total length:
18.93 ft

Total weight:
182.00 lb

O.D.:
2.88 in

Calibration Report

Database File
roundup storage field well #8.db

Dataset Pathname
CBL5

Dataset Creation
Wed Aug 11 13:15:08 2021

Gamma Ray Calibration Report

Serial Number:
IT9K4-01

Tool Model:
275 TekCo

Performed:
Mon Jun 10 11:08:27 2019

Calibrator Value:
1.0

Background Reading:
0.0
cps

Calibrator Reading:
1.0
cps

Sensitivity:
0.7000
/cps

Segmented Cement Bond Log Calibration Report

Serial Number:
IU953-01

Tool Model:
275 TekCo w Temp

Calibration Casing Diameter:
5.500
in

Calibration Depth:
745.908
ft

Master Calibration, performed Wed Aug 11 11:39:51 2021:

	Raw (V)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	1.007	2.000	71.921	65.435	2.000
CAL	0.000	0.722				
5'	0.000	1.215	2.000	71.921	57.531	2.000
SUM						
S1	0.000	1.643	0.000	100.000	60.873	0.000
S2	0.000	1.644	0.000	100.000	60.815	0.000
S3	0.000	1.373	0.000	100.000	72.850	0.000
S4	0.000	1.040	0.000	100.000	96.199	0.000
S5	0.000	0.858	0.000	100.000	116.577	0.000
S6	0.000	0.845	0.000	100.000	118.400	0.000
S7	0.000	1.069	0.000	100.000	93.502	0.000
S8	0.000	1.360	0.000	100.000	73.523	0.000



Internal Reference Calibration, performed (Not Performed):						
Raw (V)		Calibrated (V)		Results		
Zero	Cal	Zero	Cal	Gain	Offset	
CAL	0.000	0.000	0.722	1.000	0.000	
Air Zero Calibration, performed (Not Performed):						
Raw (V)		Calibrated (V)		Results		
Zero	Zero	Zero	Offset			
3'	0.000	0.000	0.000			
5'	0.000	0.000	0.000			
SUM						
S1	0.000	0.000	0.000			
S2	0.000	0.000	0.000			
S3	0.000	0.000	0.000			
S4	0.000	0.000	0.000			
S5	0.000	0.000	0.000			
S6	0.000	0.000	0.000			
S7	0.000	0.000	0.000			
S8	0.000	0.000	0.000			
Temperature Calibration Report						
Serial Number: IU953-01						
Tool Model: 275 TekCo w Temp						
Performed: Fri Jul 10 16:01:14 2015						
Reference		Reading				
Low Reference:		0.00	degF	0.00	usec	
High Reference:		1.00	degF	1.00	usec	
Gain:		0.33				
Offset:		0.00				
Delta Spacing		1				