BAKER HUGHES

Baker Atlas

RADIAL ANALYSIS BOND LOG

File No:	CH080683
API No:	05045217990000
Company	WPX ENERGY
Well	FEDERAL RU 321-5
Field	RULISON
County	COLORADO
State	COLORADO

Location

5 7S 93W

RU 23-5 PAD

NABORS 576

SHL: 235' FNL x 2608' FWL

BHL: 533' FNL x 2129' FWL (NESW)

SEC 5 TWP 7S RGE 93W

Other Services

RPM

Permanent Datum	GL	Elevation	7602 ft
Log Measured From	KB	26 ft	Above P. D.
Drill Measured From	KELLY BUSHING		

Elevations

KB 7628 ft

DF

GL 7602 ft

Date		07/DEC/13	
Run		ONE	
Service Order		US625044	
Depth Driller		9961 ft	
Depth Logger		9885 ft	
Bottom Logged Interval		9875 ft	
Top Logged Interval		26 ft	
Time Started		1000	
Time Finished		1500	
Operator Rig Time		5 HRS	
Type of Fluid in Hole		WATER	
Fluid Density		NA	
Salinity		NA	
Fluid Level		77 ft	
Logged Cement Top		NA	
Wellhead Pressure		0 psi	
Maximum Hole Deviation		NA	
Nominal Logging Speed		65 fpm	
Maximum Recorded Temperature		239 degF	
Reference Log		NONE	
Reference Log Date		NA	
Equipment No.	Location	4271	GRAND JCT
Recorded By		FLOYD RENEAU	
Witnessed By		JEFF DUCY	

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In making interpretations of logs, our employees will give the customer the benefit of their best judgement. But since all interpretations are opinions based on inferences from electrical or other measurements, we cannot, and we do not guarantee the accuracy or correctness of any interpretation. We shall not be liable or responsible for any loss, cost, damages, or expenses whatsoever incurred or sustained by the customer resulting from any interpretation made by any of our employees.

Casing Record

Size	Weight	Grade	From	To
9.625 in			0 ft	1103 ft
4.5 in	11.6 lbm/ft	P-110	0 ft	9961 ft

Borehole Record

Bit Size	From	To
13.5 in	0 ft	1103 ft
8.75 in	1103 ft	9961 ft

Remarks

All data on this log is shifted using the CCL curve to put the wellhead (top CCL mark) on depth with ground level elevation at the client's request.

The amount of linear shift is 2 feet.

Logged with zero PSI at wellhead.

BHT = 239°F

SJ = 6432'-6454'

LOG SPLICED @ 4201'& 3520'

Equipment Data					
Run	Trip	Tool	Series Number	Serial Number	Position
1	1	VDL	1426XA	10218495	CENT
1	1	GR/CCL	1355XA	10580209	CENT

PRIMARY PRESENTATION
0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	29.099	111.380
RAL	Amp Gate Start Near	195.000	usec	29.099	111.380
RAL	Amp Gate Start Radial	195.000	usec	29.099	111.380
RAL	Amp Gate Width Far	25.000	usec	29.099	111.380
RAL	Amp Gate Width Near	25.000	usec	29.099	111.380
RAL	Amp Gate Width Radial	25.000	usec	29.099	111.380
RAL	casing od	4.500	inches	29.099	111.380
RAL	casing wt	11.600	lbm/ft	29.099	111.380
RAL	FB Start Far	291.900	usec	29.099	111.380
RAL	FB Start Near	180.000	usec	29.099	111.380
RAL	FB Start Radial	180.000	usec	29.099	111.380
RAL	FB Thresh Far	10.000	mv	29.099	111.380
RAL	FB Thresh Near	4.000	mv	29.099	111.380
RAL	FB Thresh Radial	4.000	mv	29.099	111.380
RAL	Fluid Travel Time	200.000	usec/ft	29.099	111.380

DEPTH OFFSETS
(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES

1426XA	-11.000	ACAL ANR AR1 AR2 AR3 AR4 AR5 AR6 AR7 AR8 CHV FPR2 FPR3 FPR5 TT3 TTR1 TTR2 TTR3 TTR4 TTR5 TTR6 TTR7 TTR8 XAMP
1426XA	-10.040	AFAR SIG TT5
1355XA	-5.620	CCL
1355XA	-1.500	GR
1355XA	0.000	TEMP

Created by : RAL, v4.8.008
Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY
Well : FEDERAL RU 321-5
File Name : d:\welldata\wpx energy\ru 321-5\ral321\mainsplice3.xtf
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Interval : 0.00 - 9891.00 feet UP
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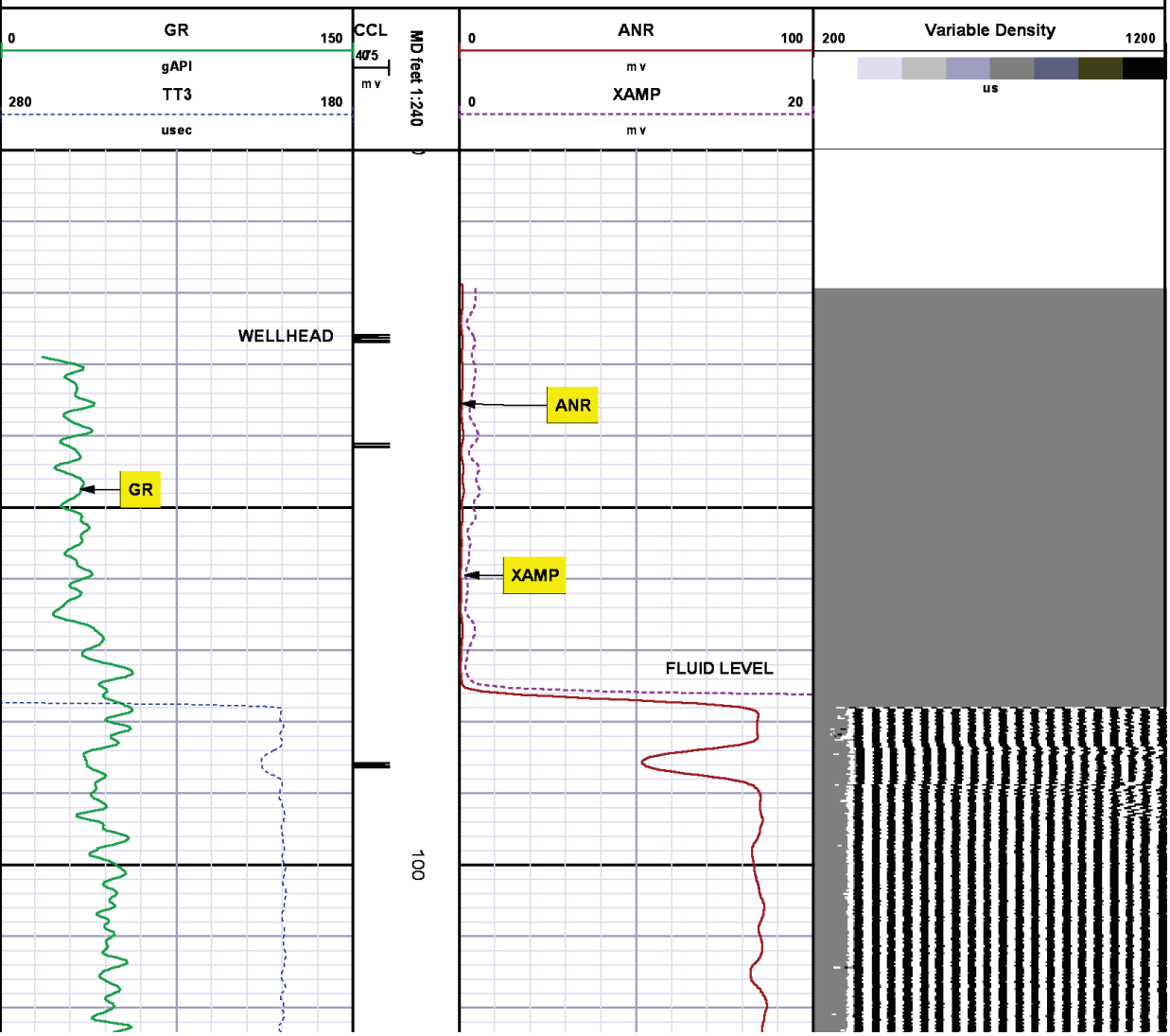

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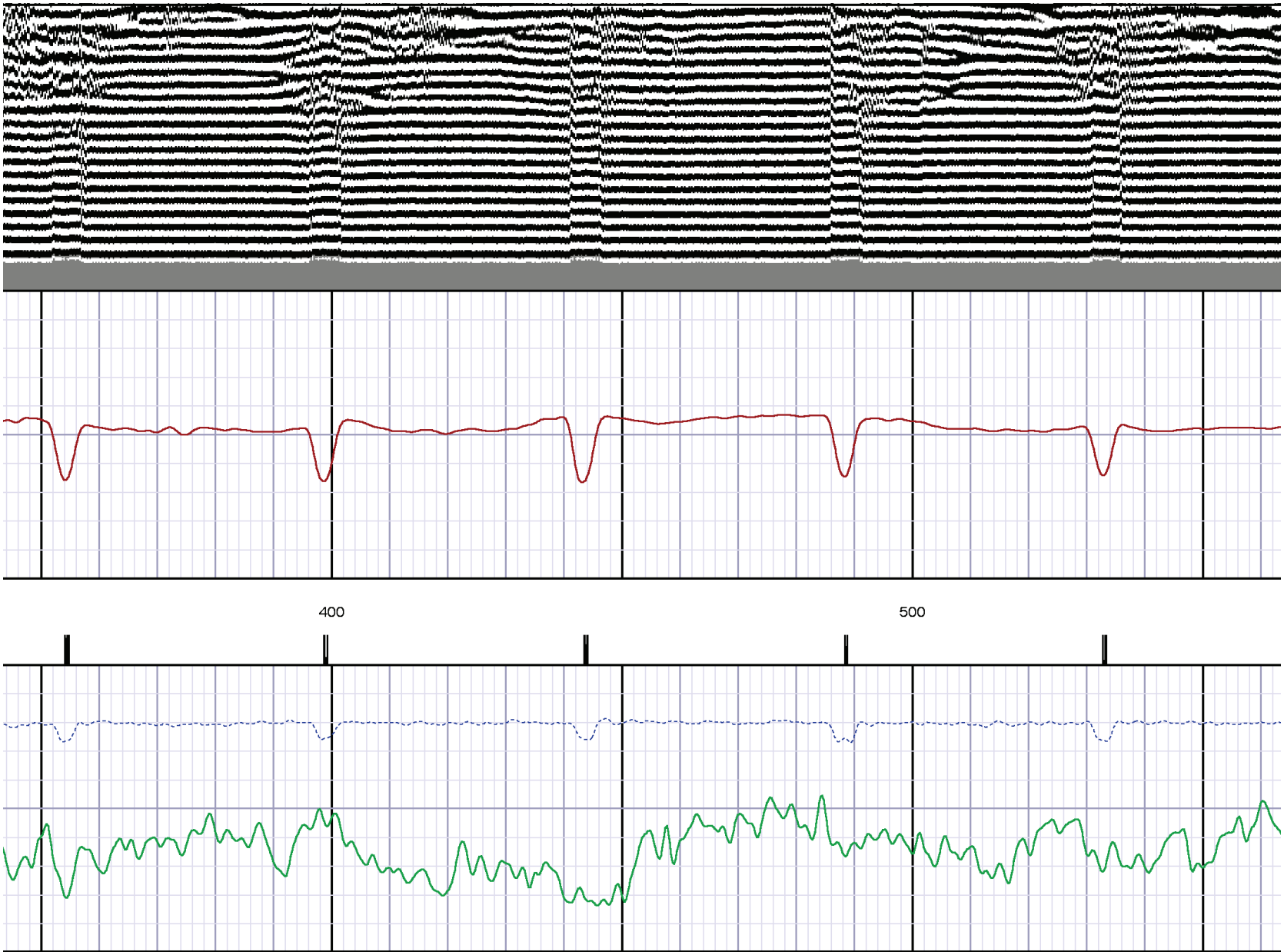
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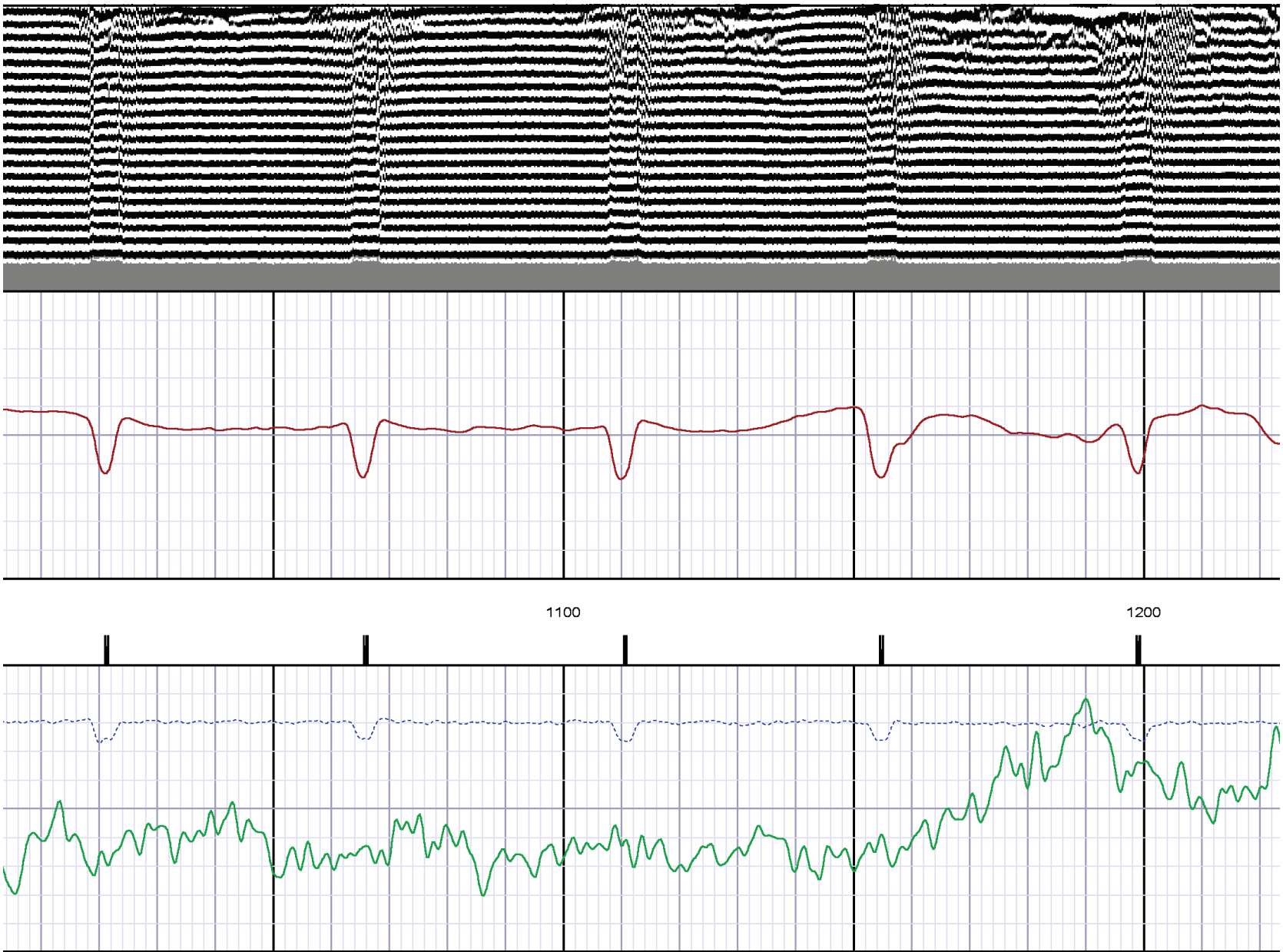
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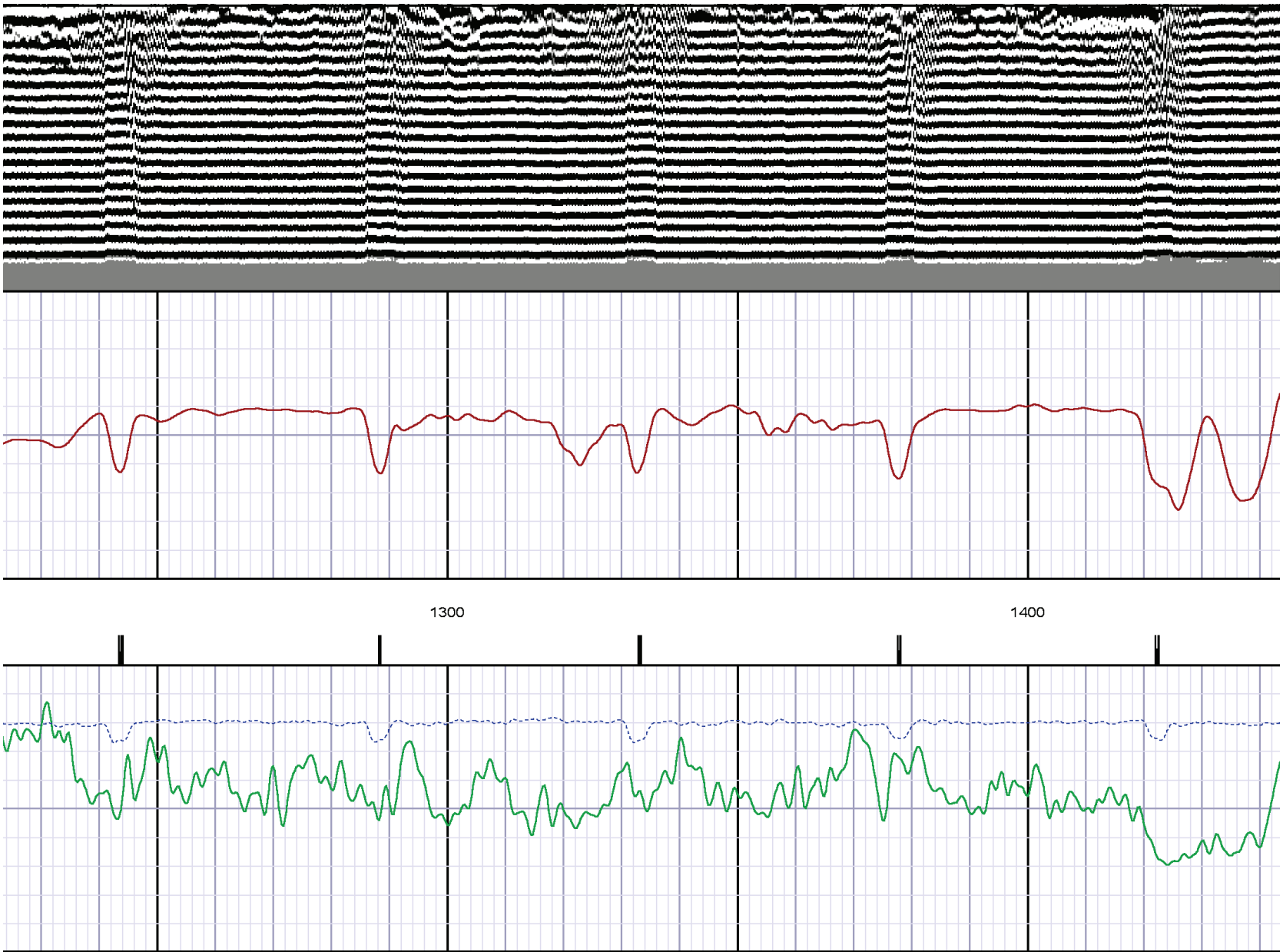
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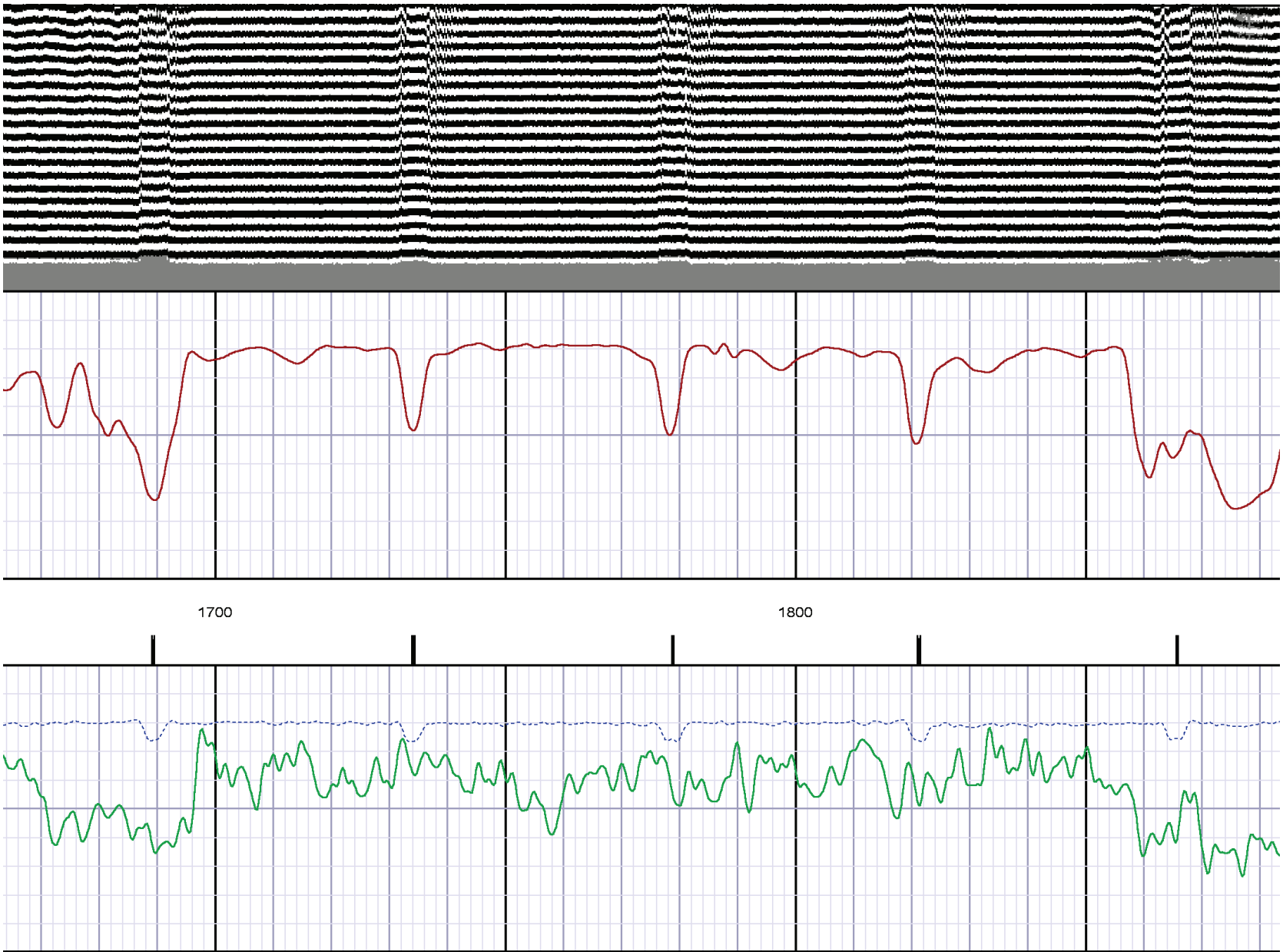
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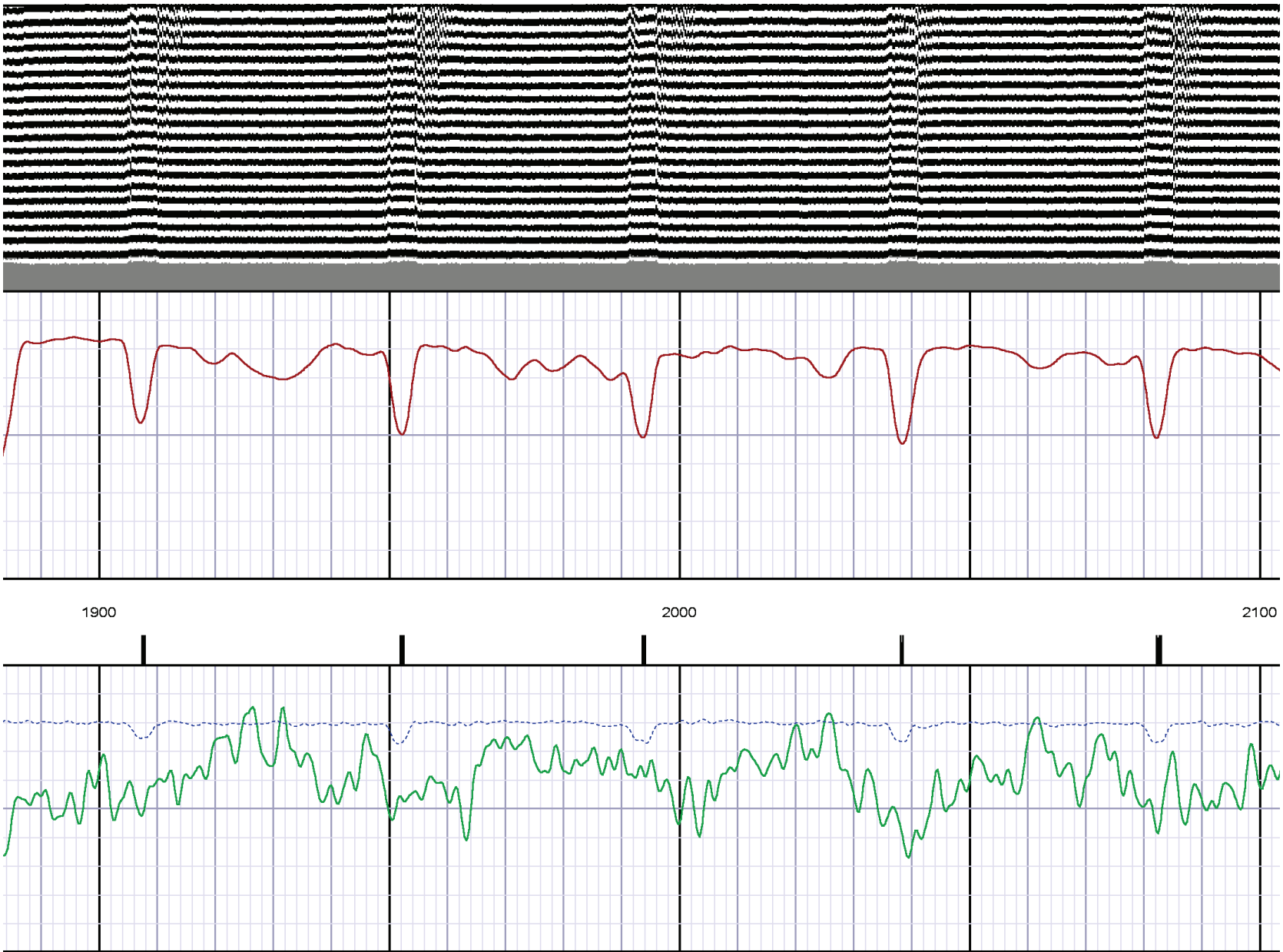
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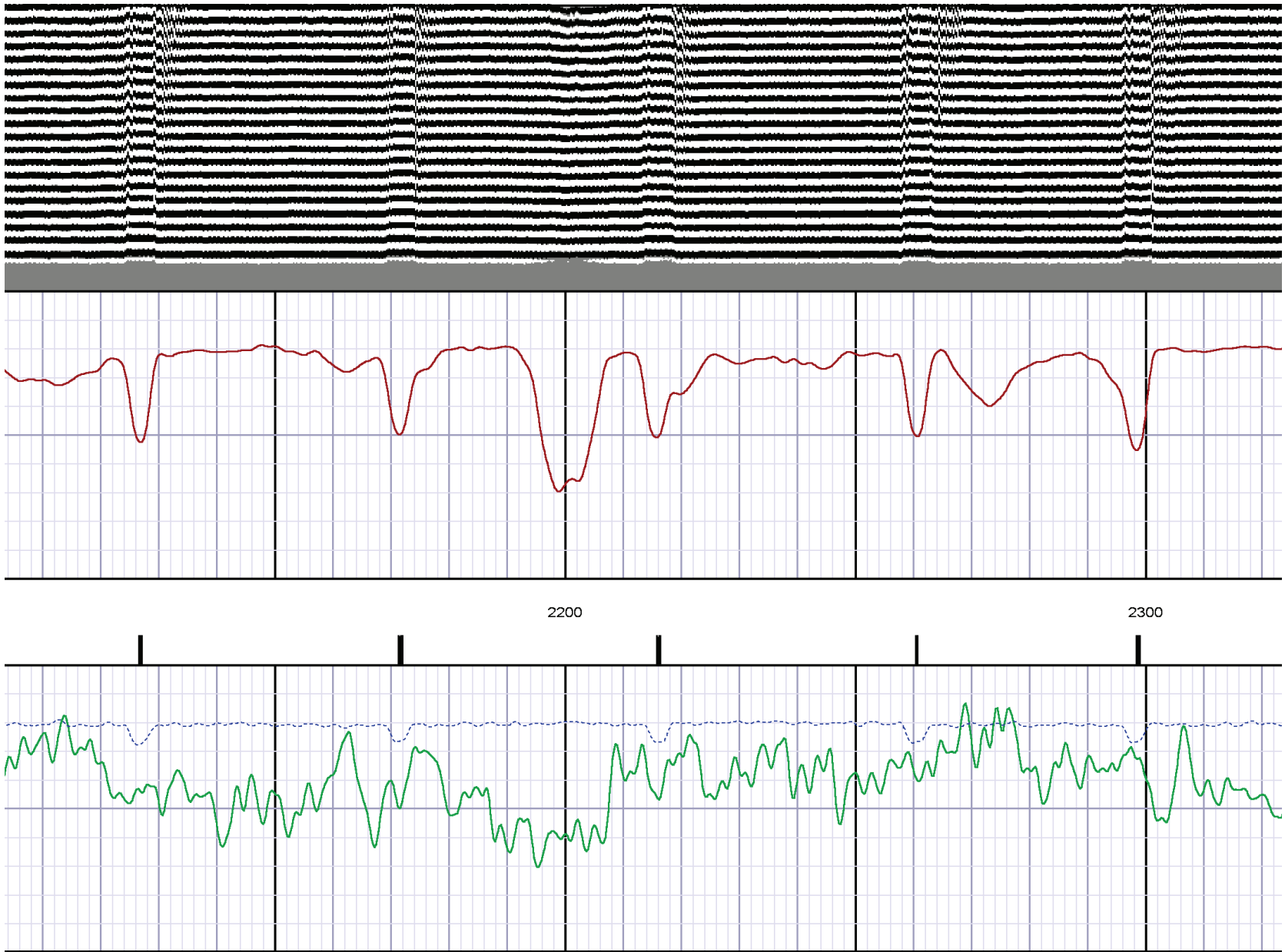
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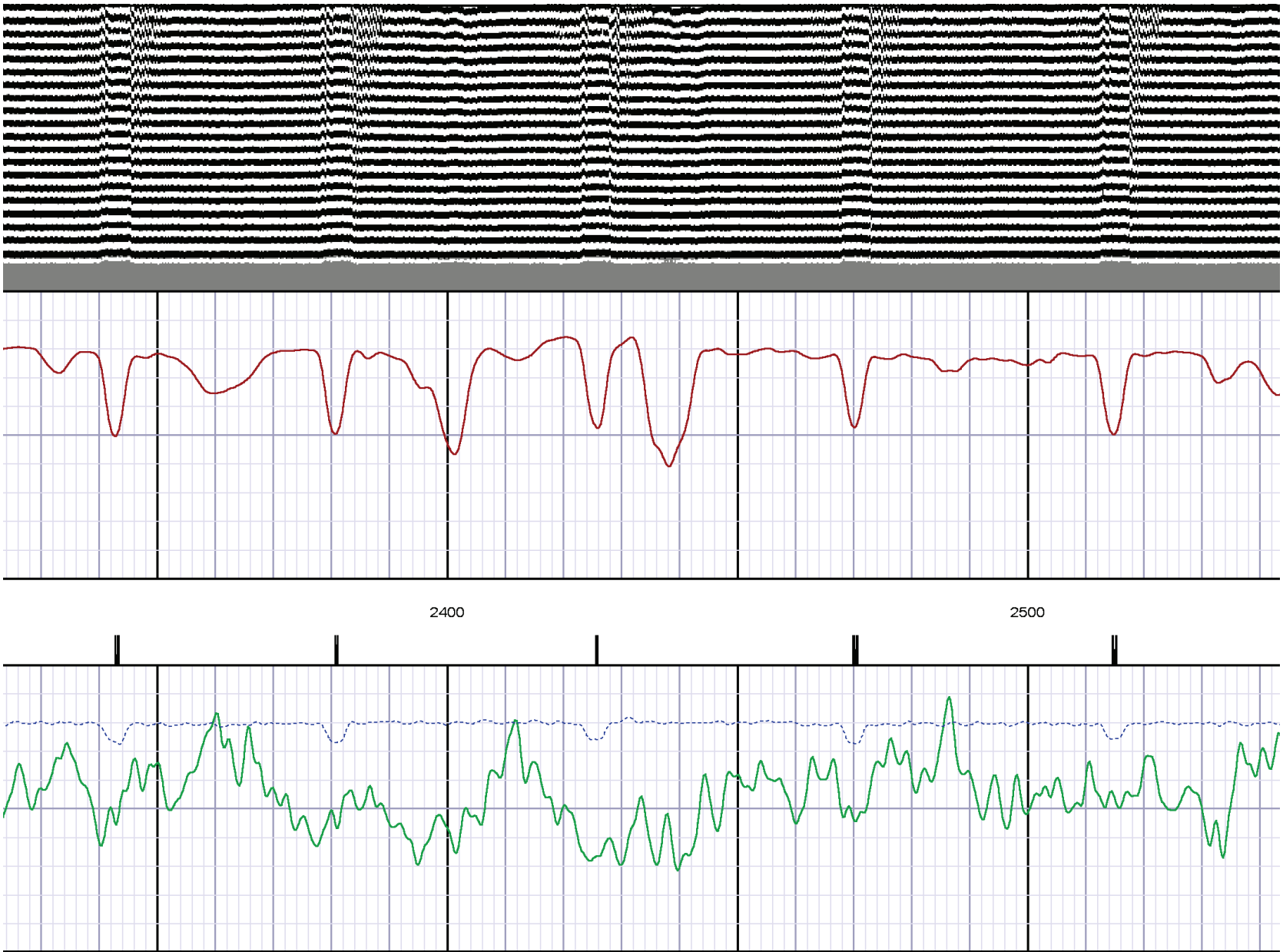
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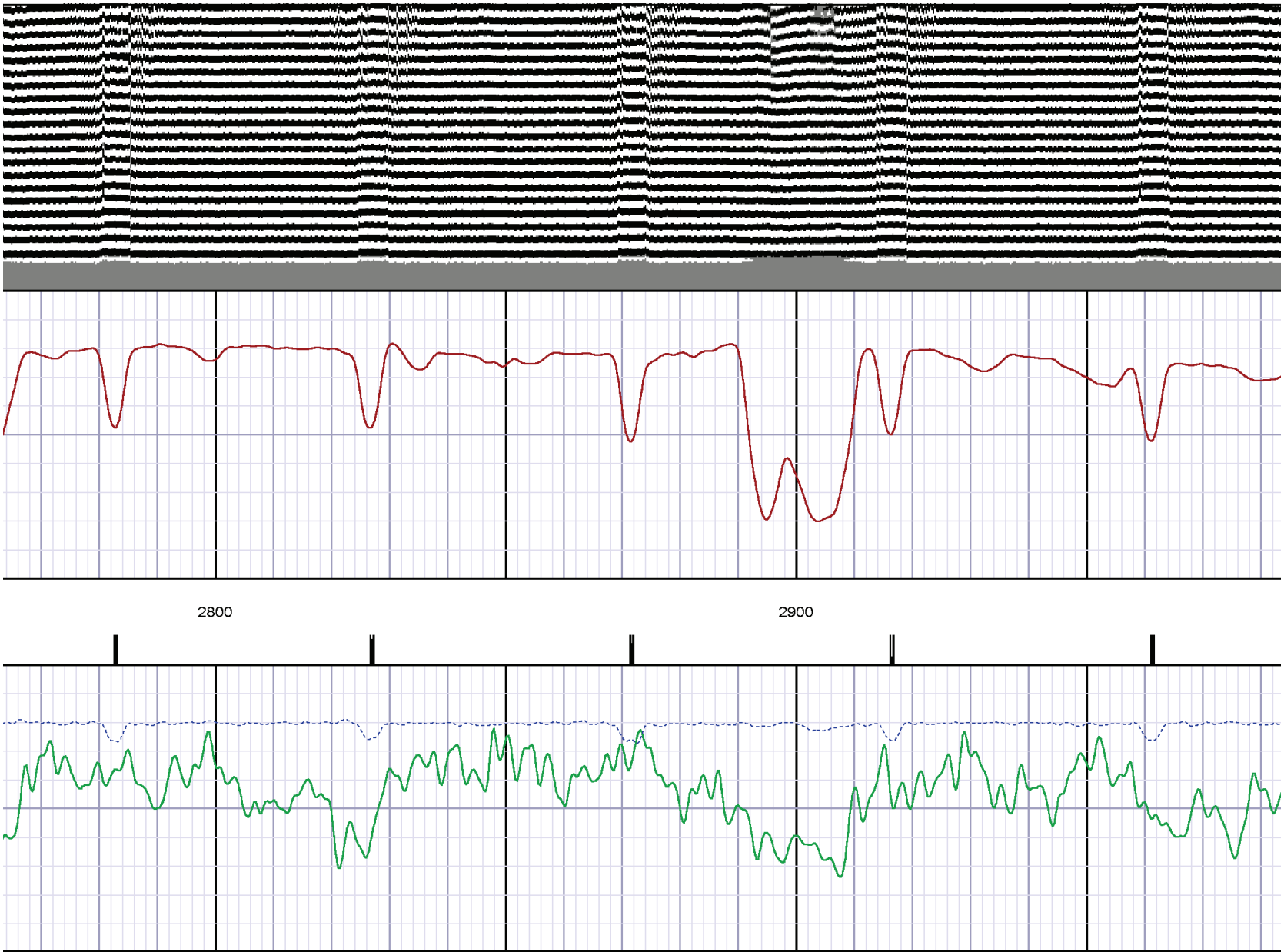
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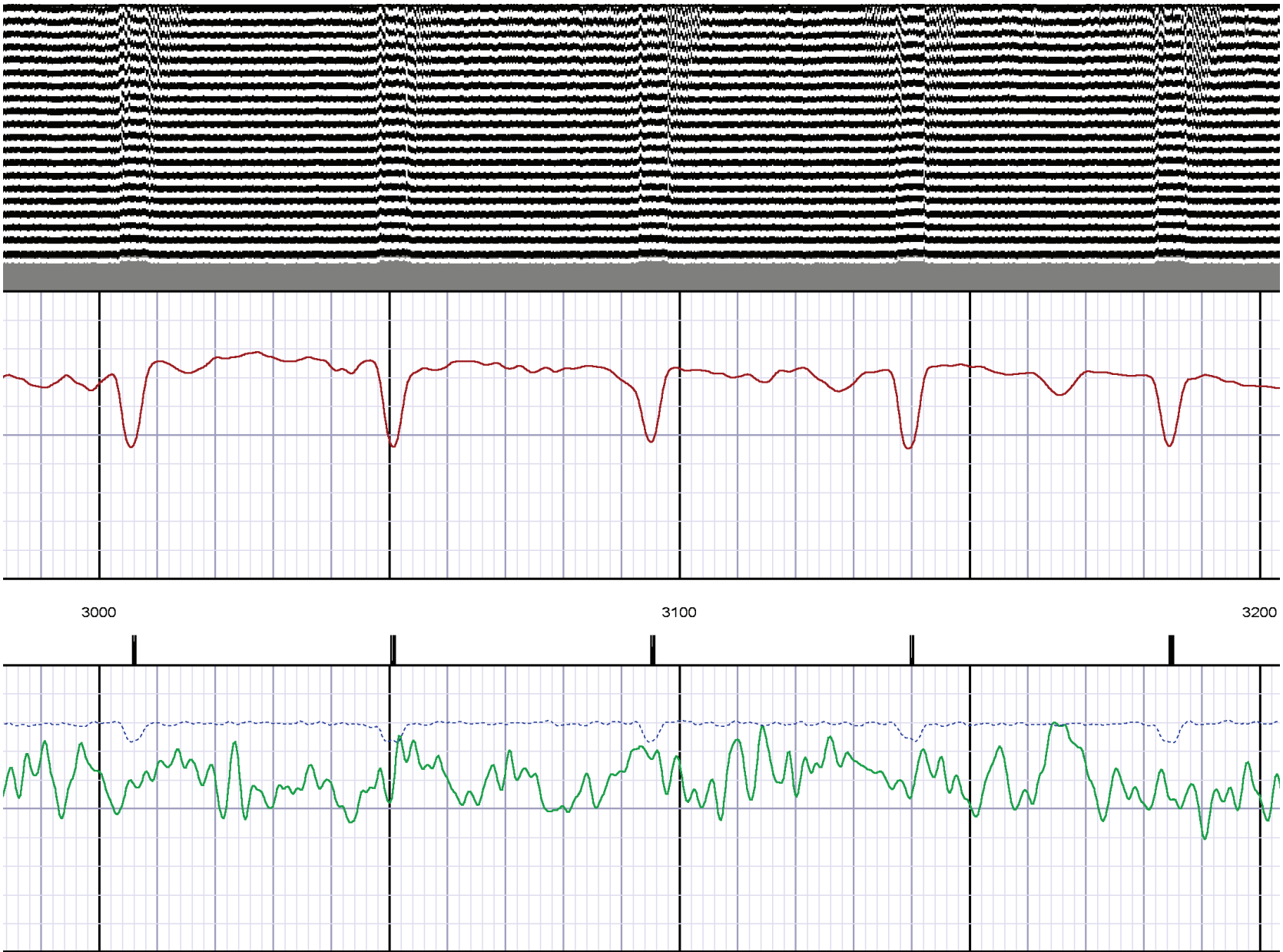
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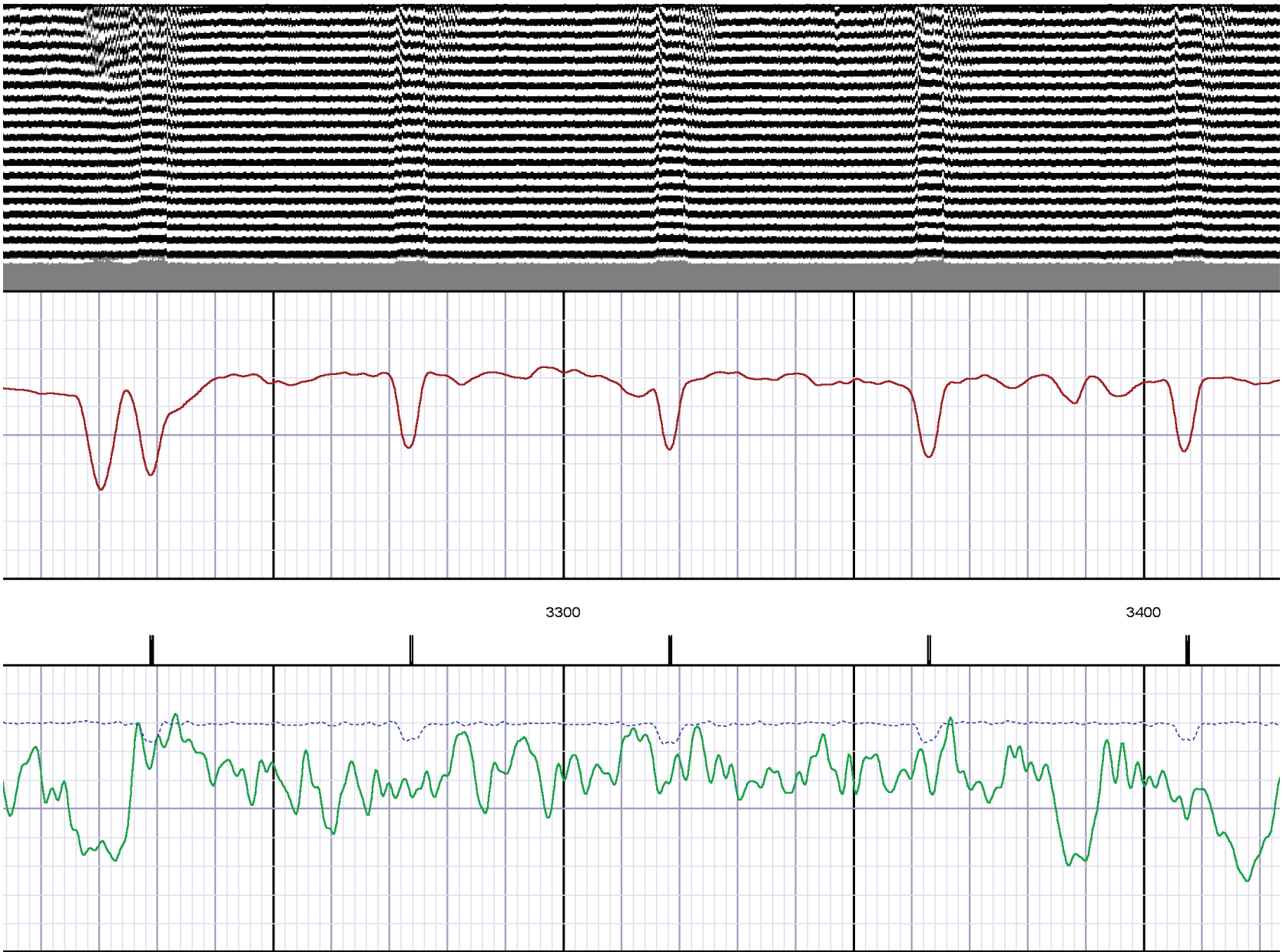
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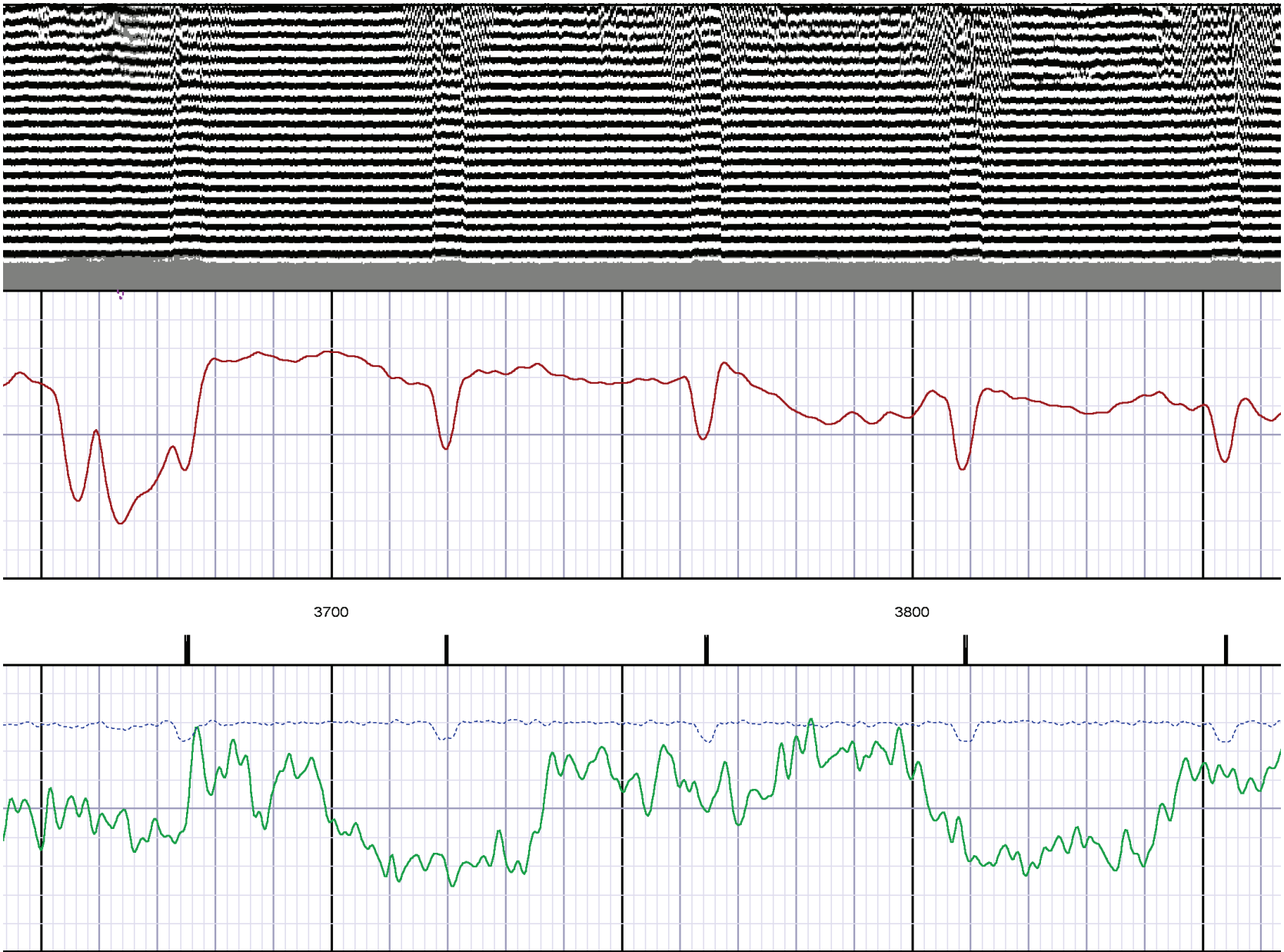
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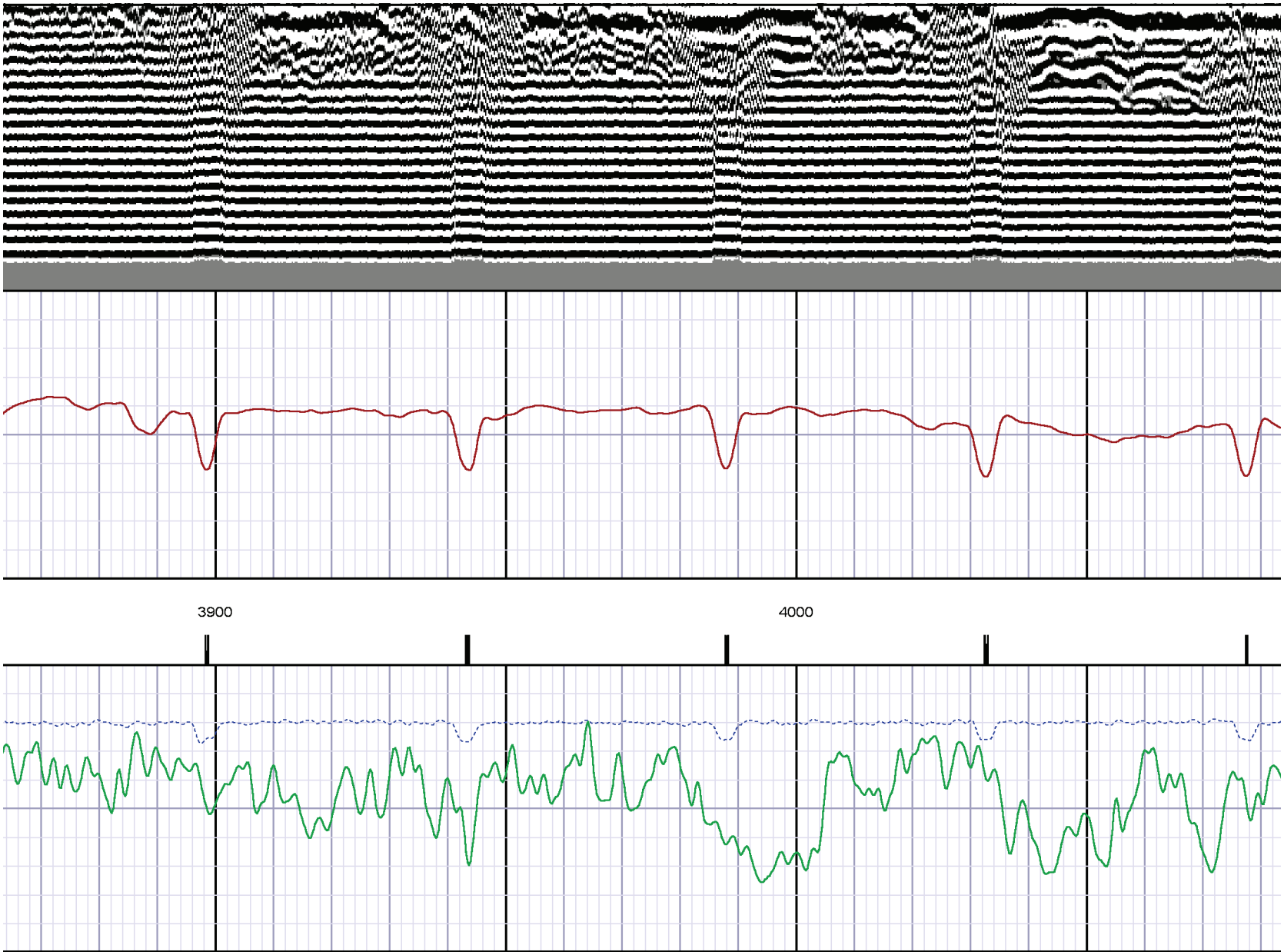
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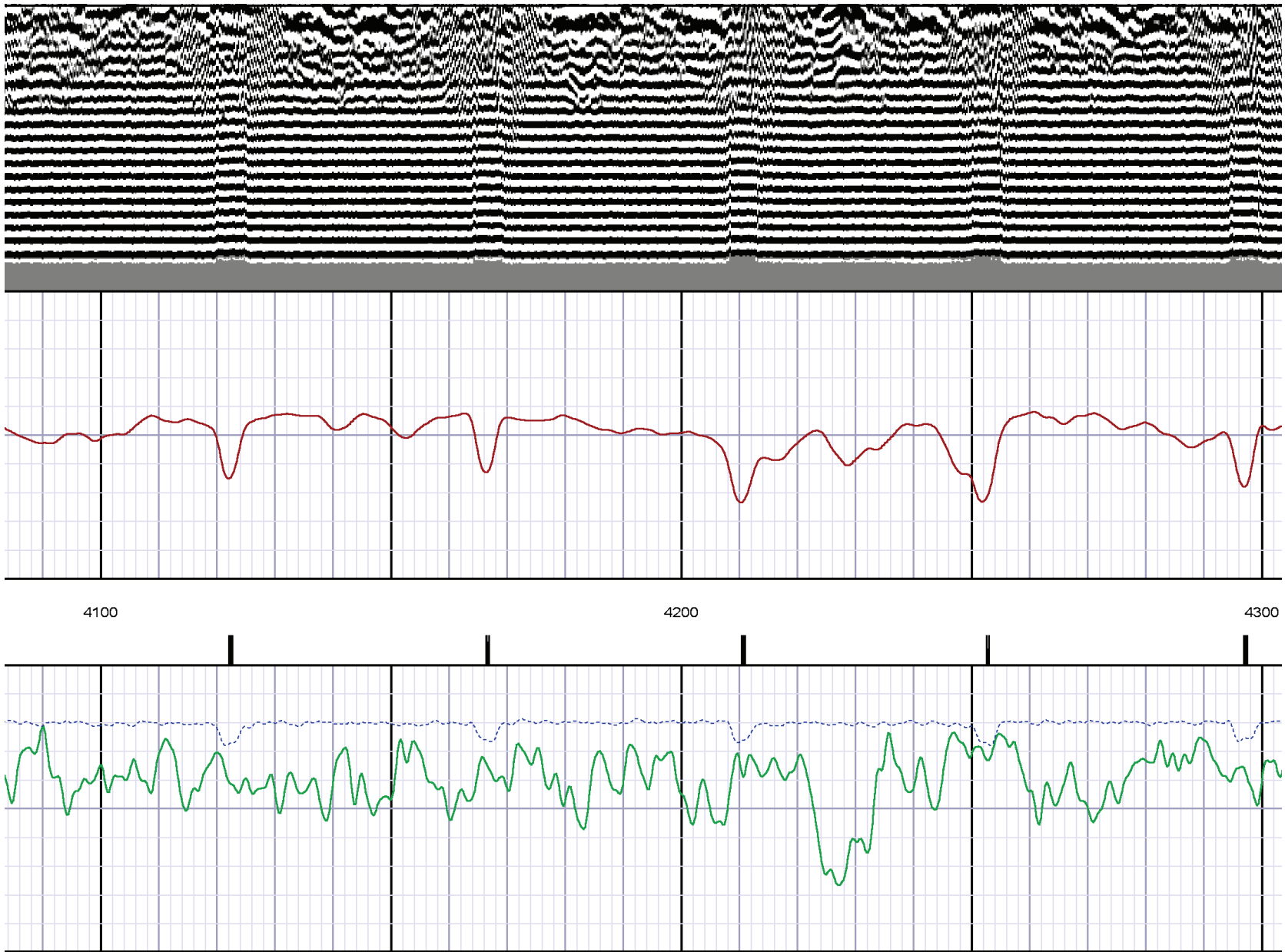
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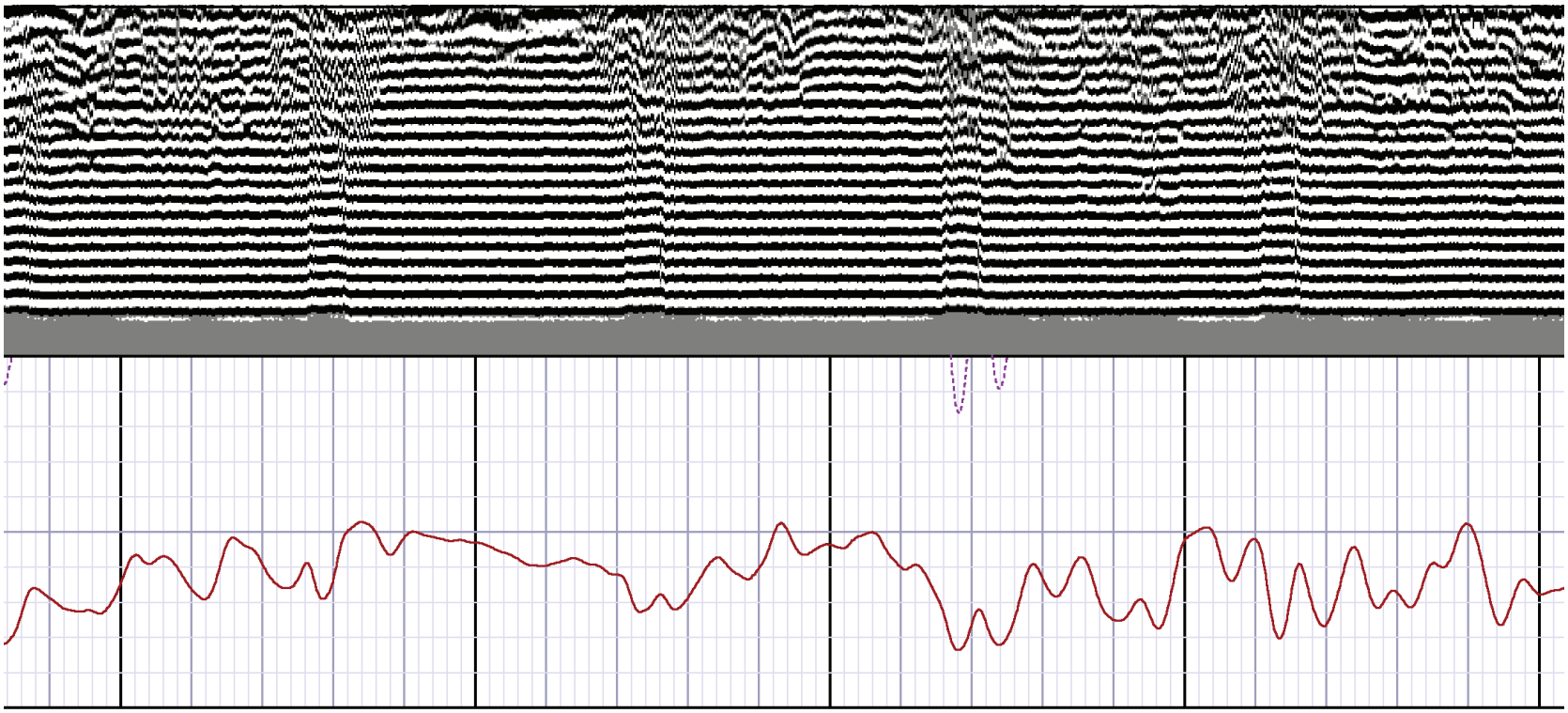

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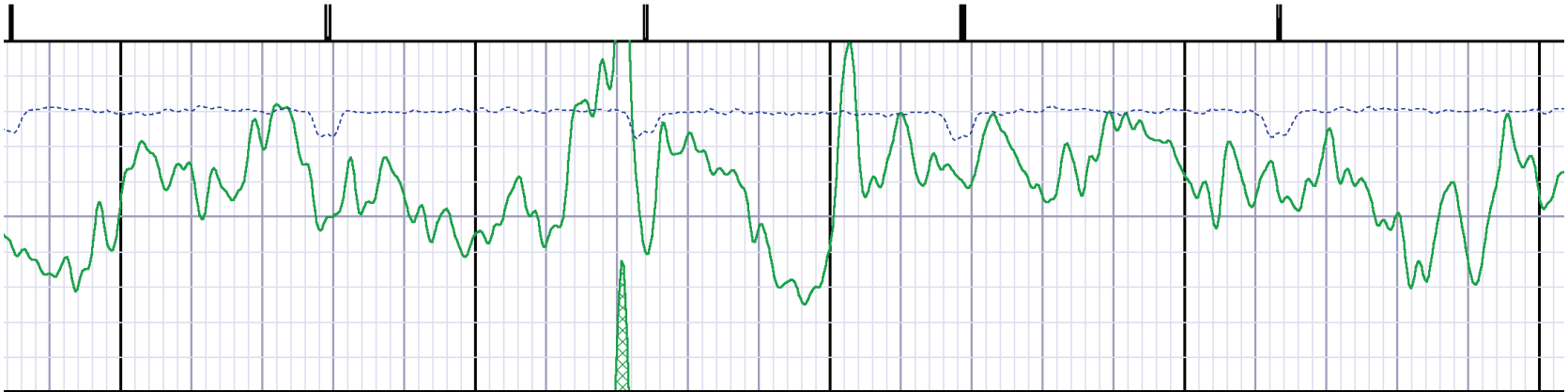

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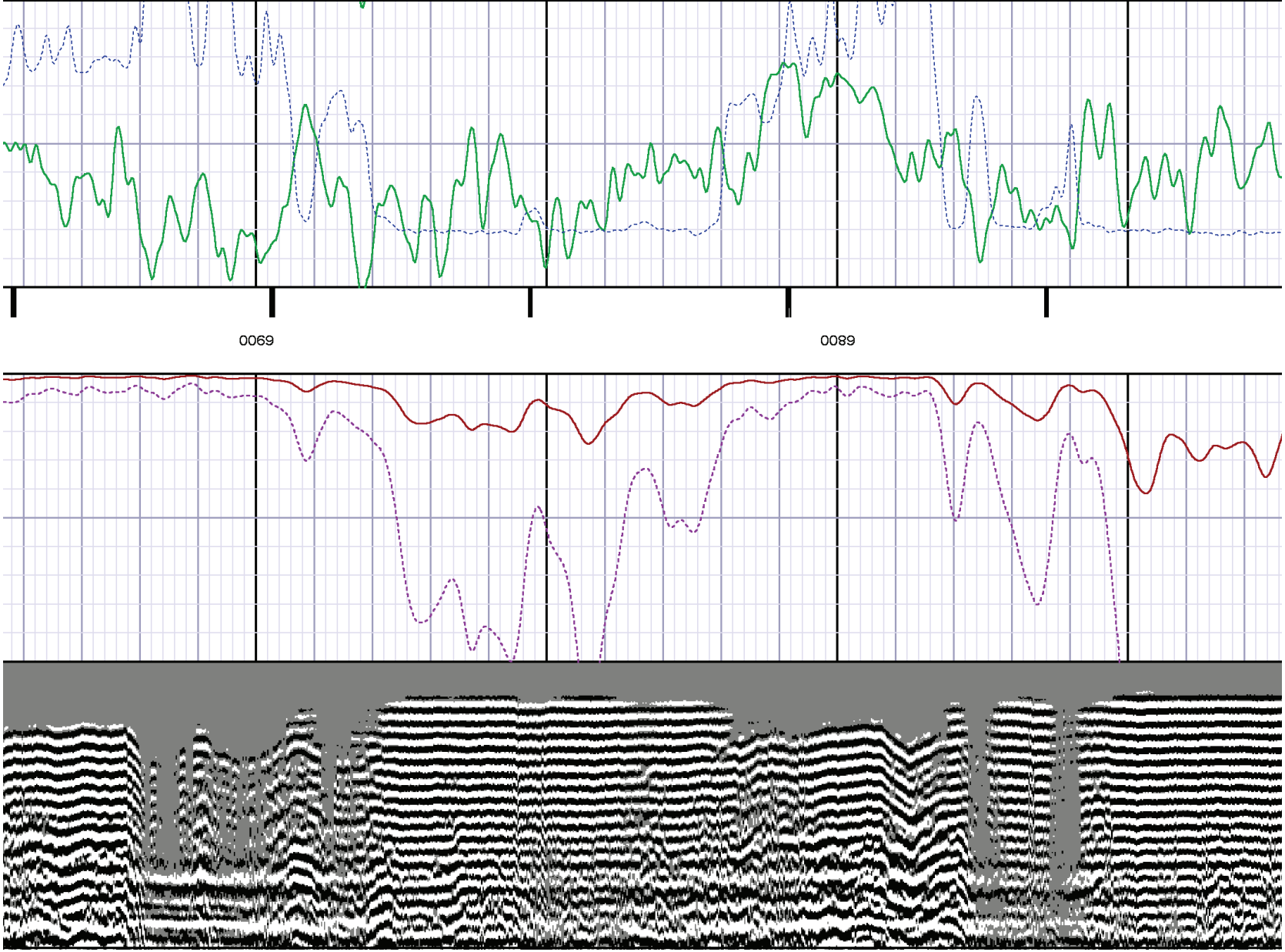
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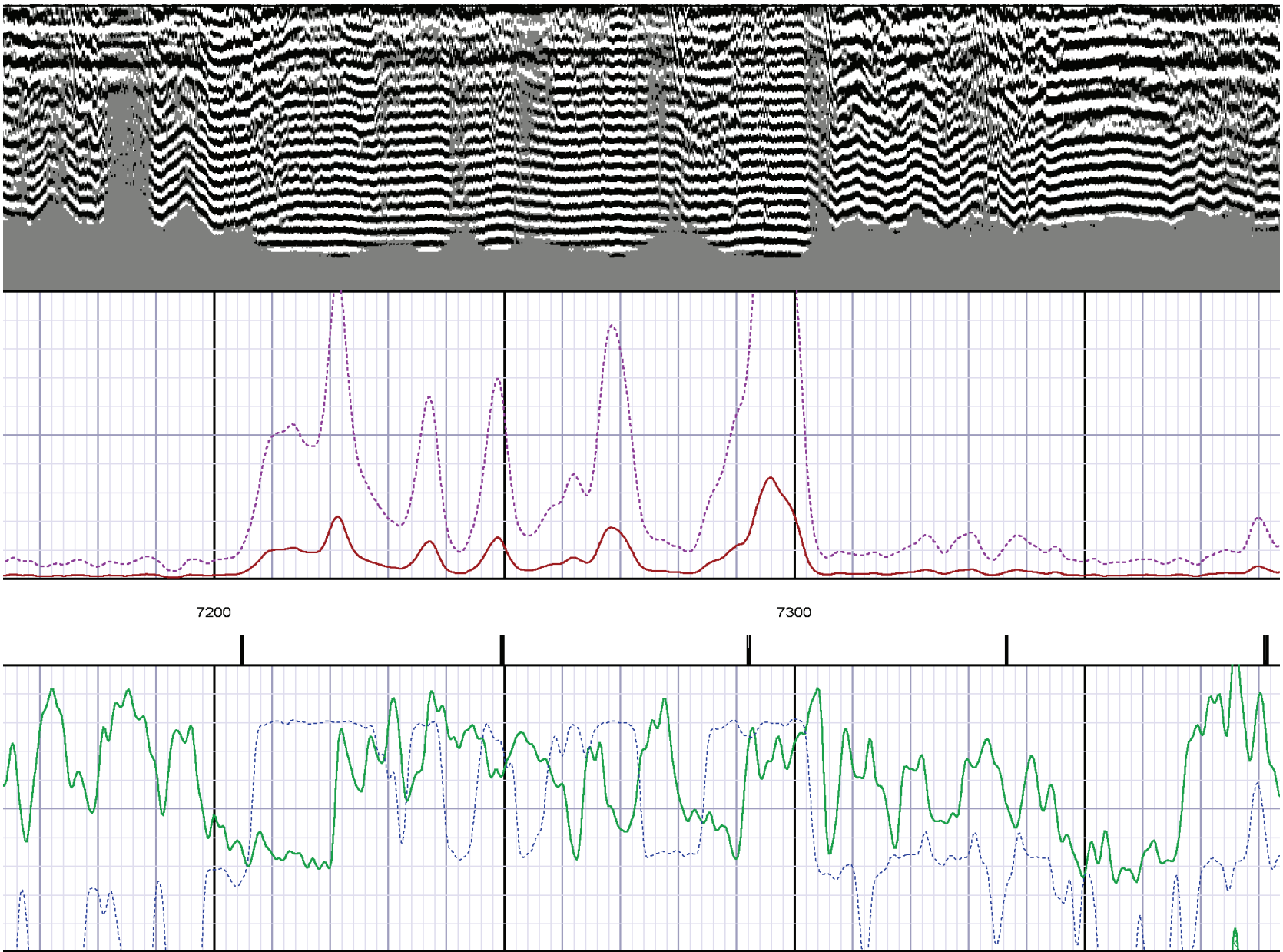
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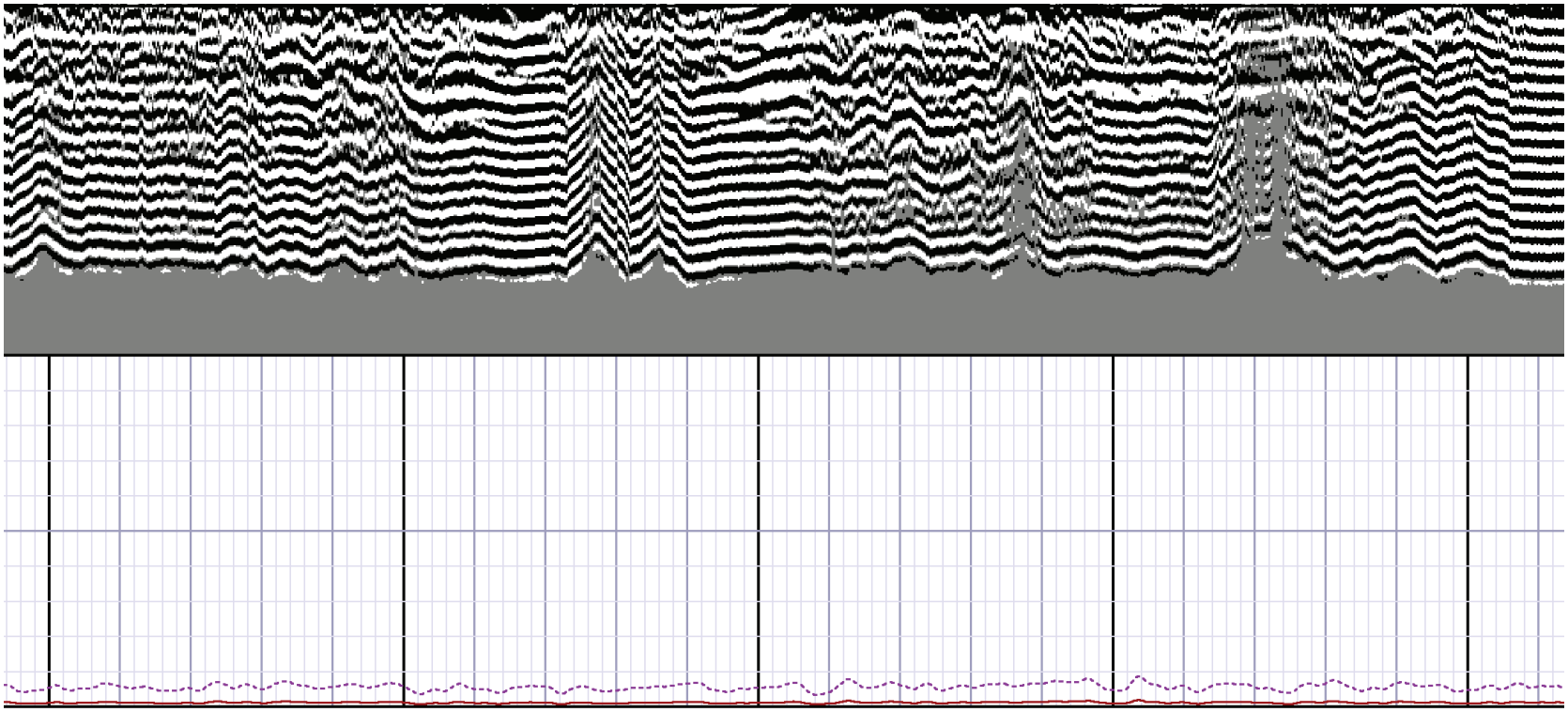

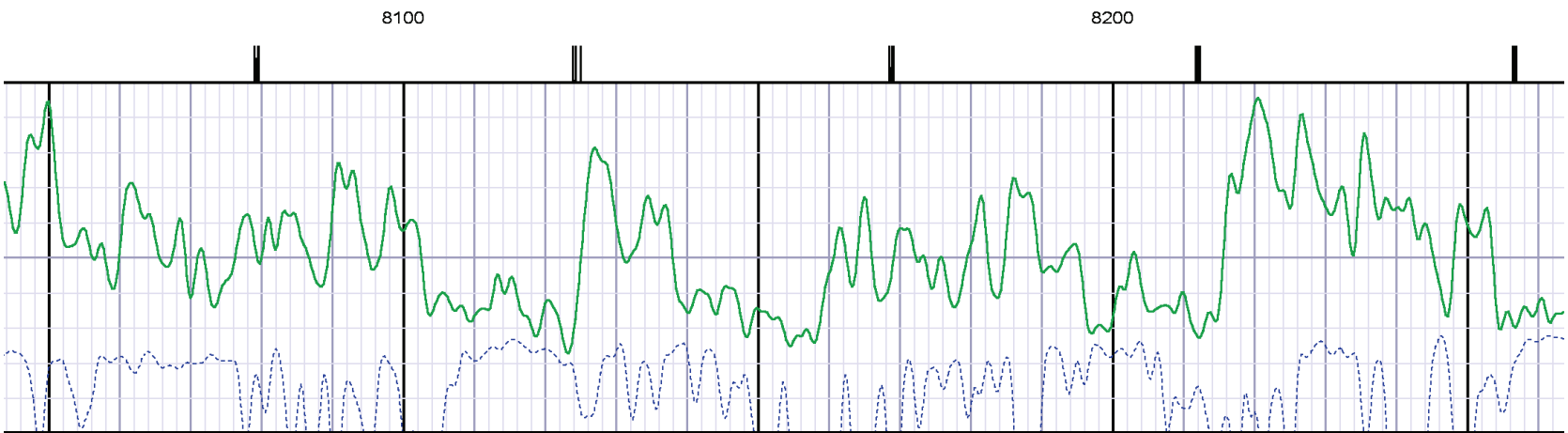
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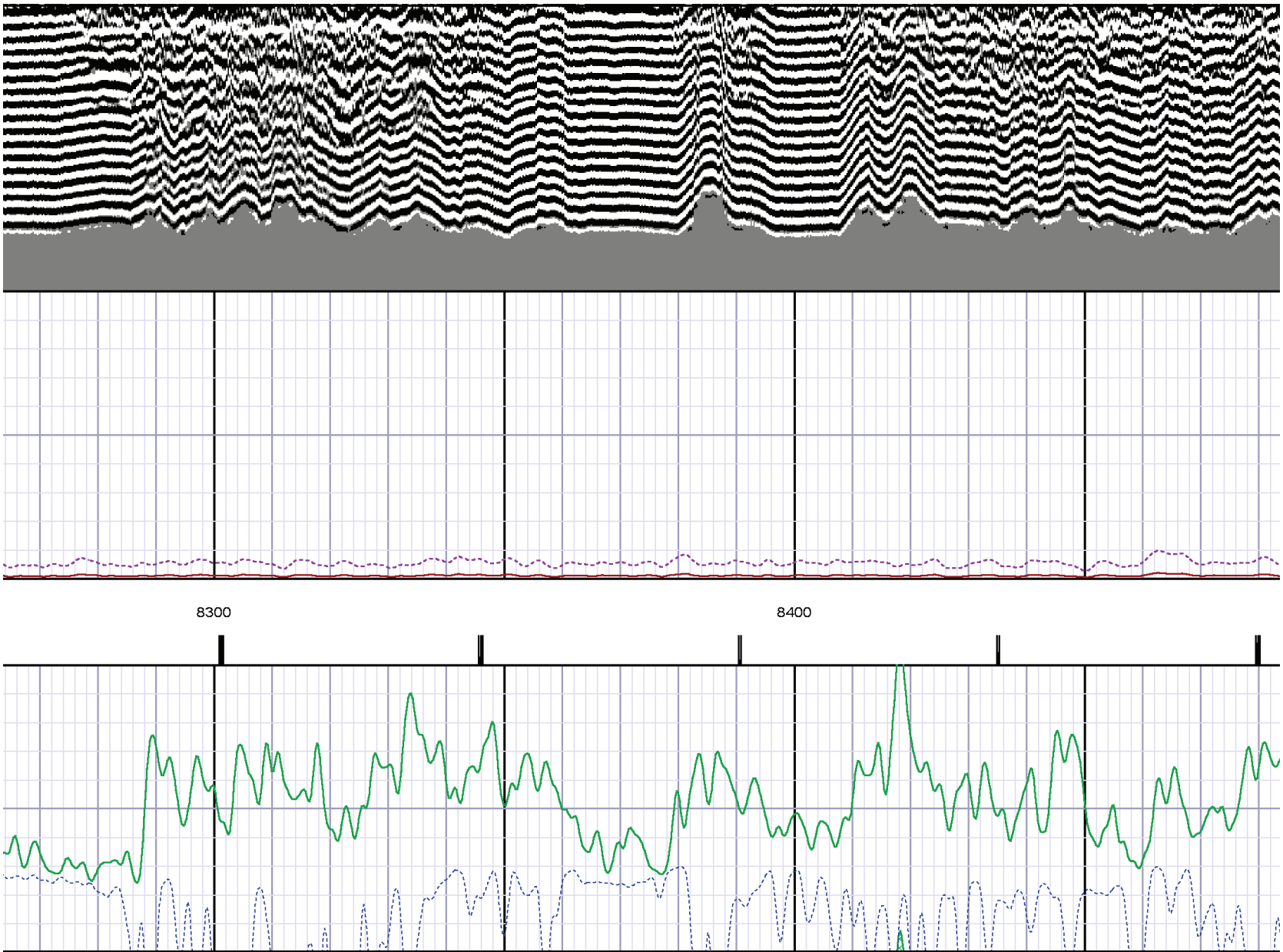
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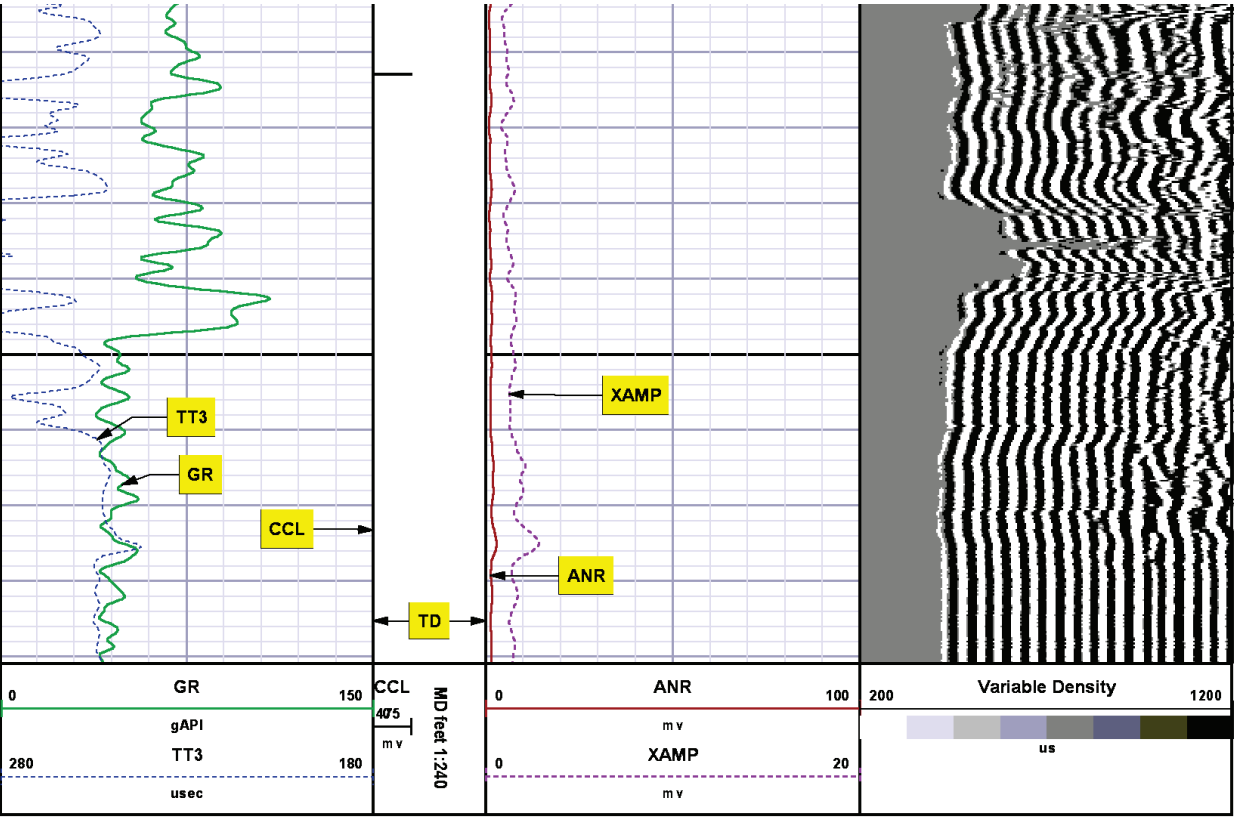

SECONDARY PRESENTATION
O PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	29.099	111.380
RAL	Amp Gate Start Near	195.000	usec	29.099	111.380
RAL	Amp Gate Start Radial	195.000	usec	29.099	111.380
RAL	Amp Gate Width Far	25.000	usec	29.099	111.380
RAL	Amp Gate Width Near	25.000	usec	29.099	111.380
RAL	Amp Gate Width Radial	25.000	usec	29.099	111.380
RAL	casing od	4.500	inches	29.099	111.380
RAL	casing wt	11.600	lbm/ft	29.099	111.380
RAL	FB Start Far	291.900	usec	29.099	111.380

RAL	FB Start Near	180.000	usec	29.099	111.380
RAL	FB Start Radial	180.000	usec	29.099	111.380
RAL	FB Thresh Far	10.000	mv	29.099	111.380
RAL	FB Thresh Near	4.000	mv	29.099	111.380
RAL	FB Thresh Radial	4.000	mv	29.099	111.380
RAL	Fluid Travel Time	200.000	usec/ft	29.099	111.380

DEPTH OFFSETS

(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES
1426XA	-11.000	ACAL ANR AR1 AR2 AR3 AR4 AR5 AR6 AR7 AR8 CHV FPR2 FPR3 FPR5 TT3 TTR1 TTR2 TTR3 TTR4 TTR5 TTR6 TTR7 TTR8 XAMP
1426XA	-10.040	AFAR SIG TT5
1355XA	-5.620	CCL
1355XA	-1.500	GR
1355XA	0.000	TEMP

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

Well : FEDERAL RU 321-5

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Mode : PlotMgr 5.4.504

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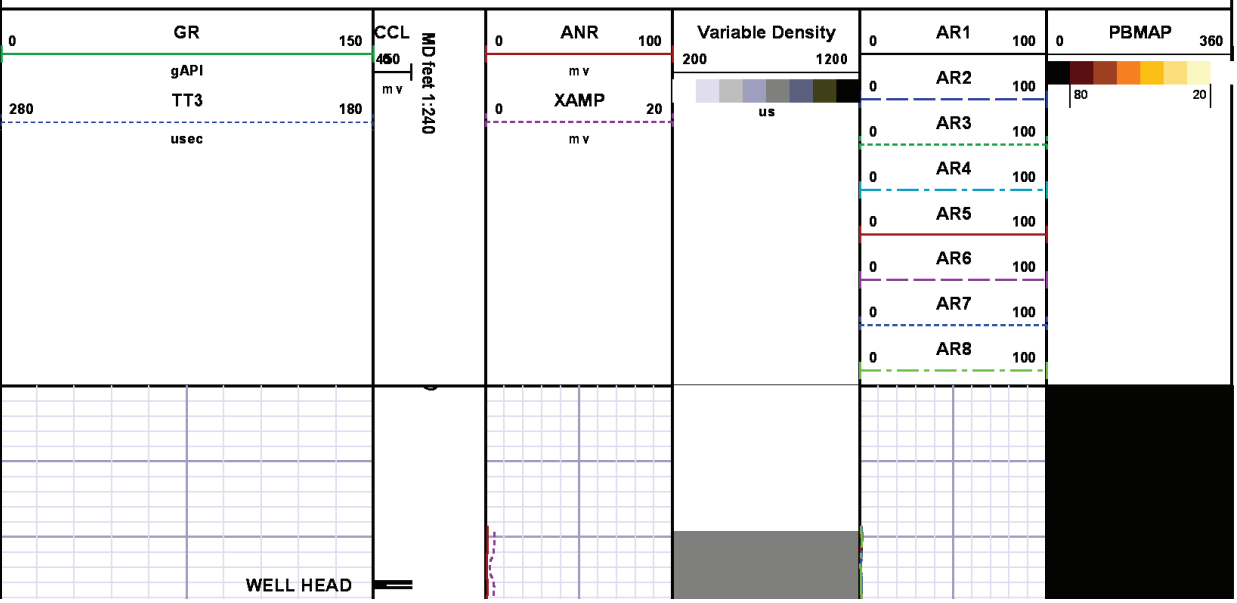
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