



RADIAL ANALYSIS BOND LOG

Baker Atlas

File No: CH090702	Company Well Field County	WPX ENERGY FEDERAL NER 24-32 RULISON GARFIELD	State COLORADO
API No: 05045217630000	Location SHL: 120' FWL x 2573' FWL SEC 5 7S 93W BHL: 1455' FSL x 1799' FWL SEC 32 6S 93		Other Services RPM
32 6S 93W RU 23-5 PAD NABORS 676	SEC 32 TWP 6S RGE 93W		
Permanent Datum Log Measured From Drill Measured From	GL KB KELLY BUSHING	Elevation 26 ft Above P. D.	Elevations KB 7629 ft DF GL 7603 ft

Date	23/SEP/14	
Run	ONE	
Service Order	US090702	
Depth Driller	10262 ft	
Depth Logger	10232 ft	
Bottom Logged Interval	10222 ft	
Top Logged Interval	26 ft	
Time Started	0715	
Time Finished	1145	
Operator Rig Time	4.5 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	250 degF	
Reference Log	BAKER HUGHES OPEN HOLE	
Reference Log Date	27/AUG/14	
Equipment No.	44271	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.

Borehole Record		
Bit Size	From	To
13.5 in	26 ft	1124 ft
8.75 in	1124 ft	10262 ft

Casing Record				
Size	Weight	Grade	From	To
9.625 in			26 ft	1124 ft
4.5 in	11.6 lbm/ft	I-80	26 ft	10262 ft

Remarks
All data on this log is shifted and depth matched using the Gamma Ray curve to the Baker Hughes HDIL/ZDL/CN/GR open hole log dated 8/27/2014 at the clients request.
The amount of linear shift is 16 feet.
The depth matching process creates potential for collar lengths to vary from those recorded on other cased hole wireline units without a Gamma Ray reference.

BHT = 250°F

SJ = 6994'-7014'

Equipment Data					
Run	Trip	Tool	Series Number	Serial Number	Position
1	1	VDL	1426XA	10218496	CENT
1	1	GR/CCL	2459XA	10417457	

PRIMARY PRESENTATION

0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	27.075	6298.000
RAL	Amp Gate Start Near	195.000	usec	27.075	6298.000
RAL	Amp Gate Start Radial	195.000	usec	27.075	6298.000
RAL	Amp Gate Width Far	25.000	usec	27.075	6298.000
RAL	Amp Gate Width Near	25.000	usec	27.075	6298.000
RAL	Amp Gate Width Radial	25.000	usec	27.075	6298.000
RAL	casing od	4.500	inches	27.075	6298.000
RAL	casing wt	11.600	lbm/ft	27.075	6298.000
RAL	FB Start Far	291.900	usec	27.075	6298.000
RAL	FB Start Near	180.000	usec	27.075	6298.000
RAL	FB Start Radial	180.000	usec	27.075	6298.000
RAL	FB Thresh Far	15.000	mv	27.075	6298.000
RAL	FB Thresh Near	10.000	mv	27.075	6298.000
RAL	FB Thresh Radial	10.000	mv	27.075	6298.000
RAL	Fluid Travel Time	200.000	usec/ft	27.075	6298.000
RAL	Amp Gate Start Far	305.000	usec	6298.000	6458.000
RAL	Amp Gate Start Near	195.000	usec	6298.000	6458.000
RAL	Amp Gate Start Radial	195.000	usec	6298.000	6458.000
RAL	Amp Gate Width Far	25.000	usec	6298.000	6458.000
RAL	Amp Gate Width Near	25.000	usec	6298.000	6458.000
RAL	Amp Gate Width Radial	25.000	usec	6298.000	6458.000
RAL	casing od	4.500	inches	6298.000	6458.000
RAL	casing wt	11.600	lbm/ft	6298.000	6458.000
RAL	FB Start Far	291.900	usec	6298.000	6458.000
RAL	FB Start Near	180.000	usec	6298.000	6458.000
RAL	FB Start Radial	180.000	usec	6298.000	6458.000
RAL	FB Thresh Far	15.000	mv	6298.000	6458.000
RAL	FB Thresh Near	10.000	mv	6298.000	6458.000
RAL	FB Thresh Radial	10.000	mv	6298.000	6458.000
RAL	Fluid Travel Time	200.000	usec/ft	6298.000	6458.000

RAL	FB Start Radial	180.000	usec	6298.000	6458.000
RAL	FB Thresh Far	15.000	mv	6298.000	6458.000
RAL	FB Thresh Near	10.000	mv	6298.000	6458.000
RAL	FB Thresh Radial	10.000	mv	6298.000	6458.000
RAL	Fluid Travel Time	200.000	usec/ft	6298.000	6458.000
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RAL	Amp Gate Start Near	195.000	usec	6458.000	6748.000
RAL	Amp Gate Start Radial	195.000	usec	6458.000	6748.000
RAL	Amp Gate Width Far	25.000	usec	6458.000	6748.000
RAL	Amp Gate Width Near	25.000	usec	6458.000	6748.000
RAL	Amp Gate Width Radial	25.000	usec	6458.000	6748.000
RAL	casing od	4.500	inches	6458.000	6748.000
RAL	casing wt	11.600	lbm/ft	6458.000	6748.000
RAL	FB Start Far	291.900	usec	6458.000	6748.000
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RAL	FB Start Radial	180.000	usec	6458.000	6748.000
RAL	FB Thresh Far	15.000	mv	6458.000	6748.000
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RAL	FB Thresh Radial	10.000	mv	6458.000	6748.000
RAL	Fluid Travel Time	200.000	usec/ft	6458.000	6748.000
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RAL	Amp Gate Width Radial	25.000	usec	6748.000	7328.000
RAL	casing od	4.500	inches	6748.000	7328.000
RAL	casing wt	11.600	lbm/ft	6748.000	7328.000
RAL	FB Start Far	291.900	usec	6748.000	7328.000
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RAL	FB Start Radial	180.000	usec	6748.000	7328.000
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RAL	FB Thresh Near	10.000	mv	6748.000	7328.000
RAL	FB Thresh Radial	10.000	mv	6748.000	7328.000
RAL	Fluid Travel Time	200.000	usec/ft	6748.000	7328.000
RAL	Amp Gate Start Far	305.000	usec	7328.000	10216.000
RAL	Amp Gate Start Near	195.000	usec	7328.000	10216.000
RAL	Amp Gate Start Radial	195.000	usec	7328.000	10216.000
RAL	Amp Gate Width Far	25.000	usec	7328.000	10216.000
RAL	Amp Gate Width Near	25.000	usec	7328.000	10216.000
RAL	Amp Gate Width Radial	25.000	usec	7328.000	10216.000
RAL	casing od	4.500	inches	7328.000	10216.000
RAL	casing wt	11.600	lbm/ft	7328.000	10216.000
RAL	FB Start Far	291.900	usec	7328.000	10216.000
RAL	FB Start Near	180.000	usec	7328.000	10216.000
RAL	FB Start Radial	180.000	usec	7328.000	10216.000
RAL	FB Thresh Far	15.000	mv	7328.000	10216.000
RAL	FB Thresh Near	10.000	mv	7328.000	10216.000
RAL	FB Thresh Radial	10.000	mv	7328.000	10216.000
RAL	Fluid Travel Time	200.000	usec/ft	7328.000	10215.593

DEPTH OFFSETS

(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES							
1426XA	-12.360	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	-11.360	AFAR	SIG	TT5					
2459XA	-7.250	CCL							
2459XA	-5.390	GR							
2459XA	0.000	NEU							

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

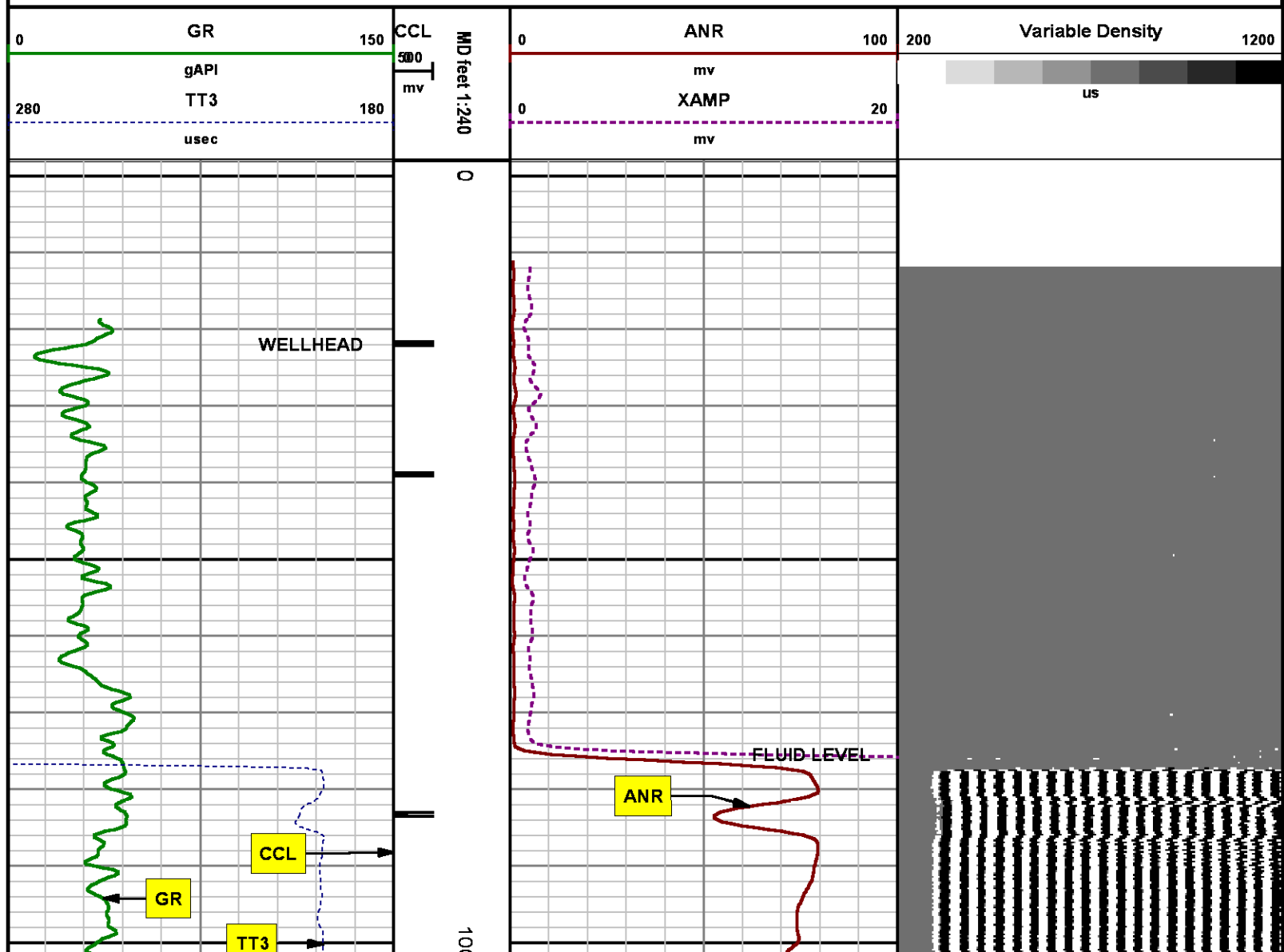
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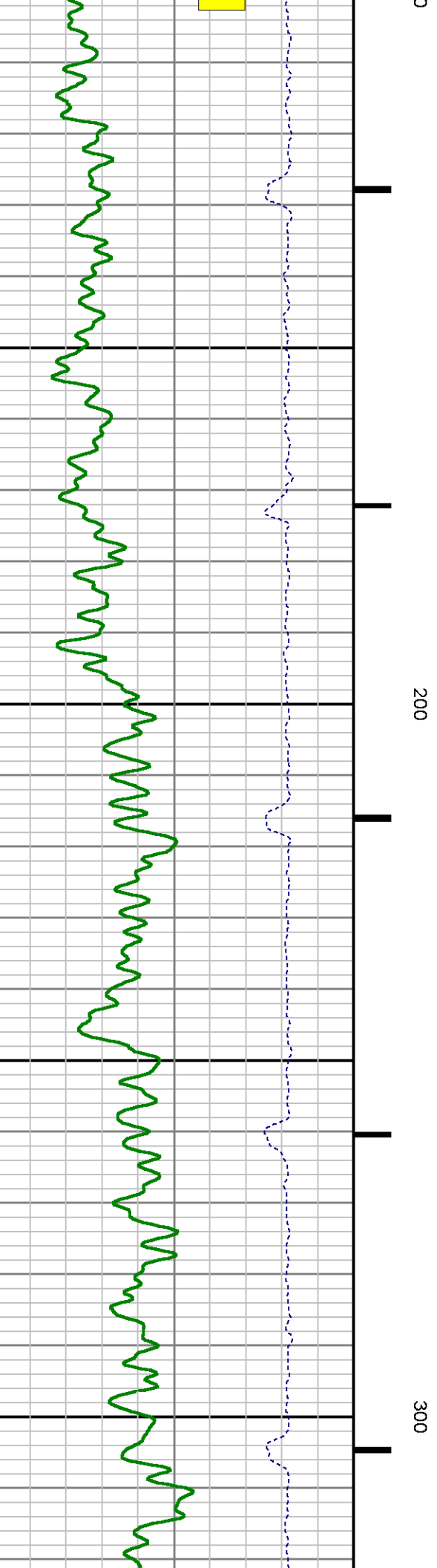
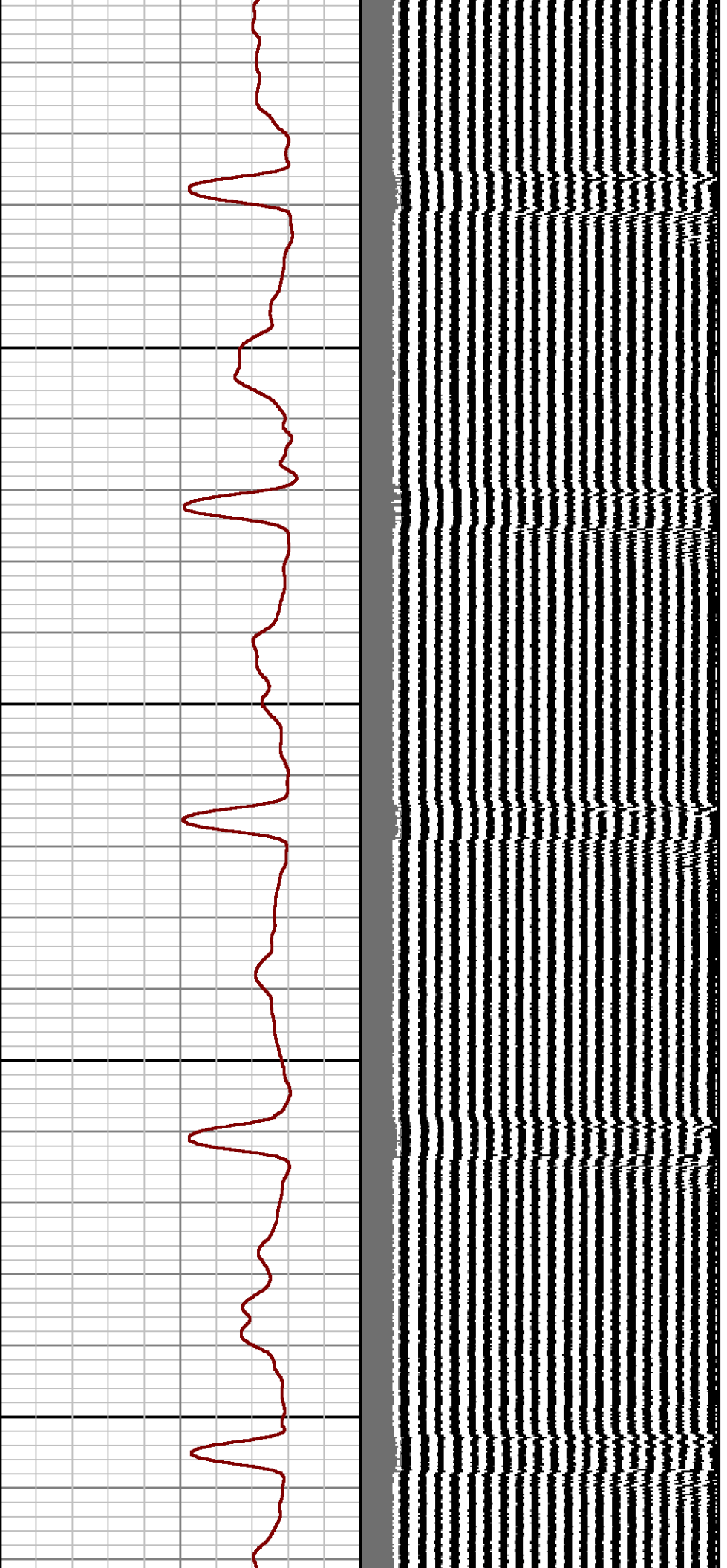
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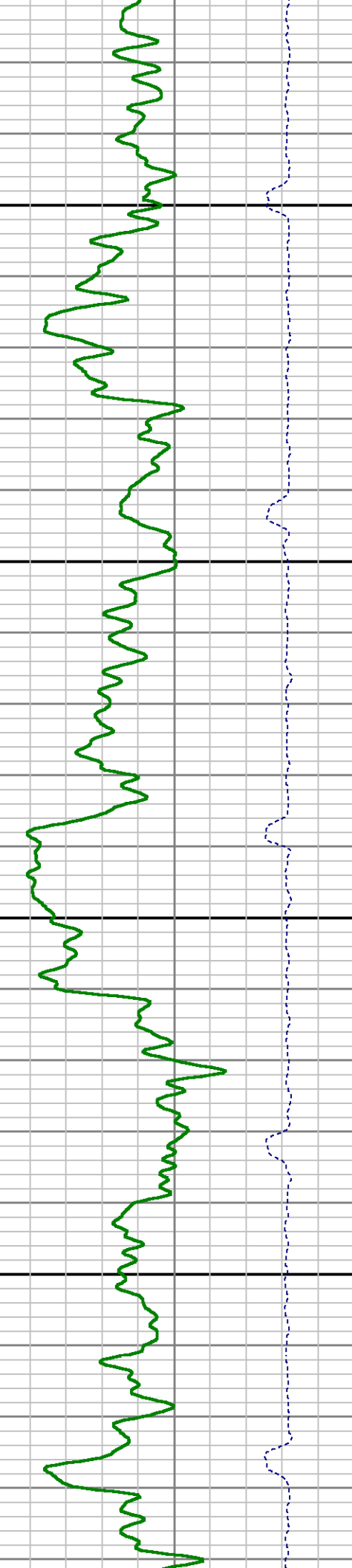
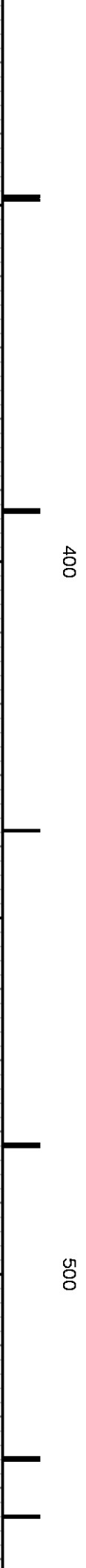
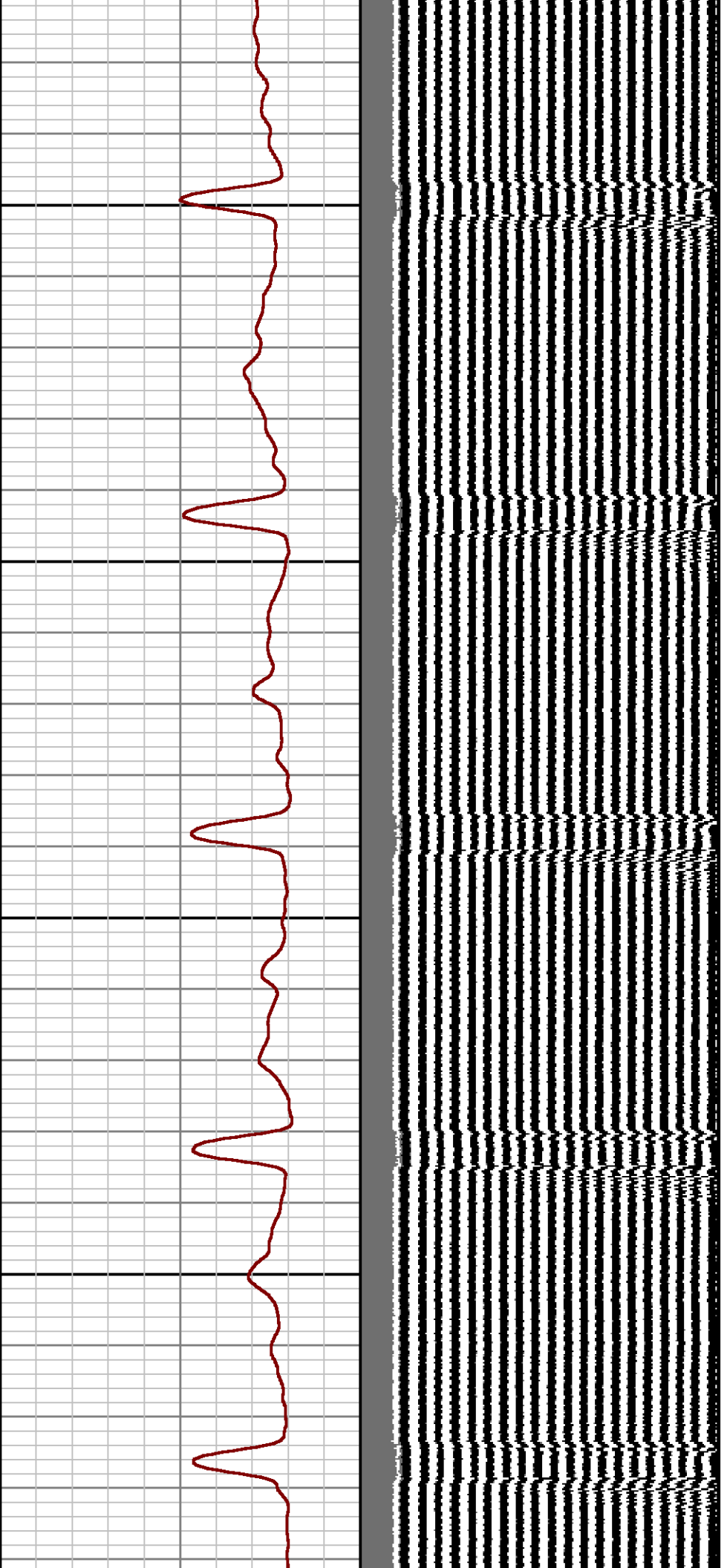
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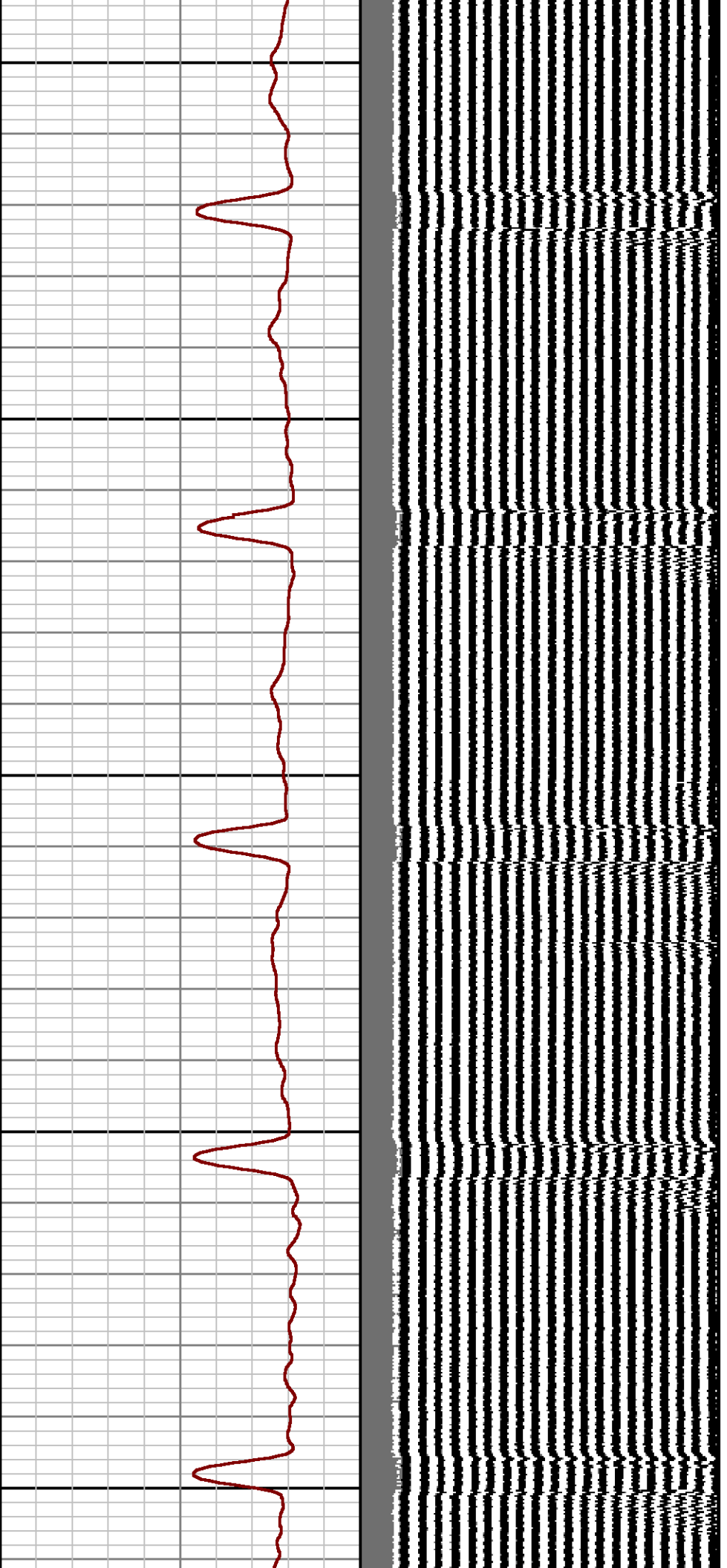
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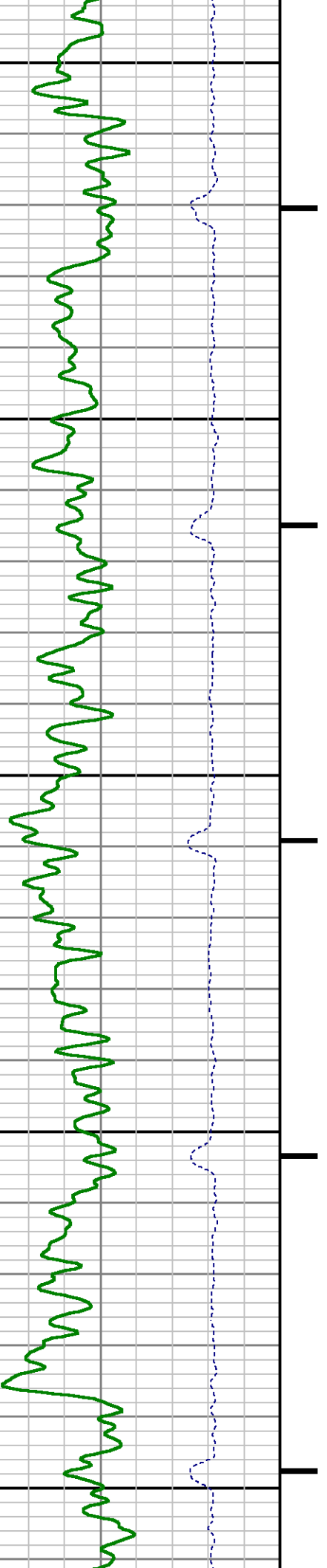


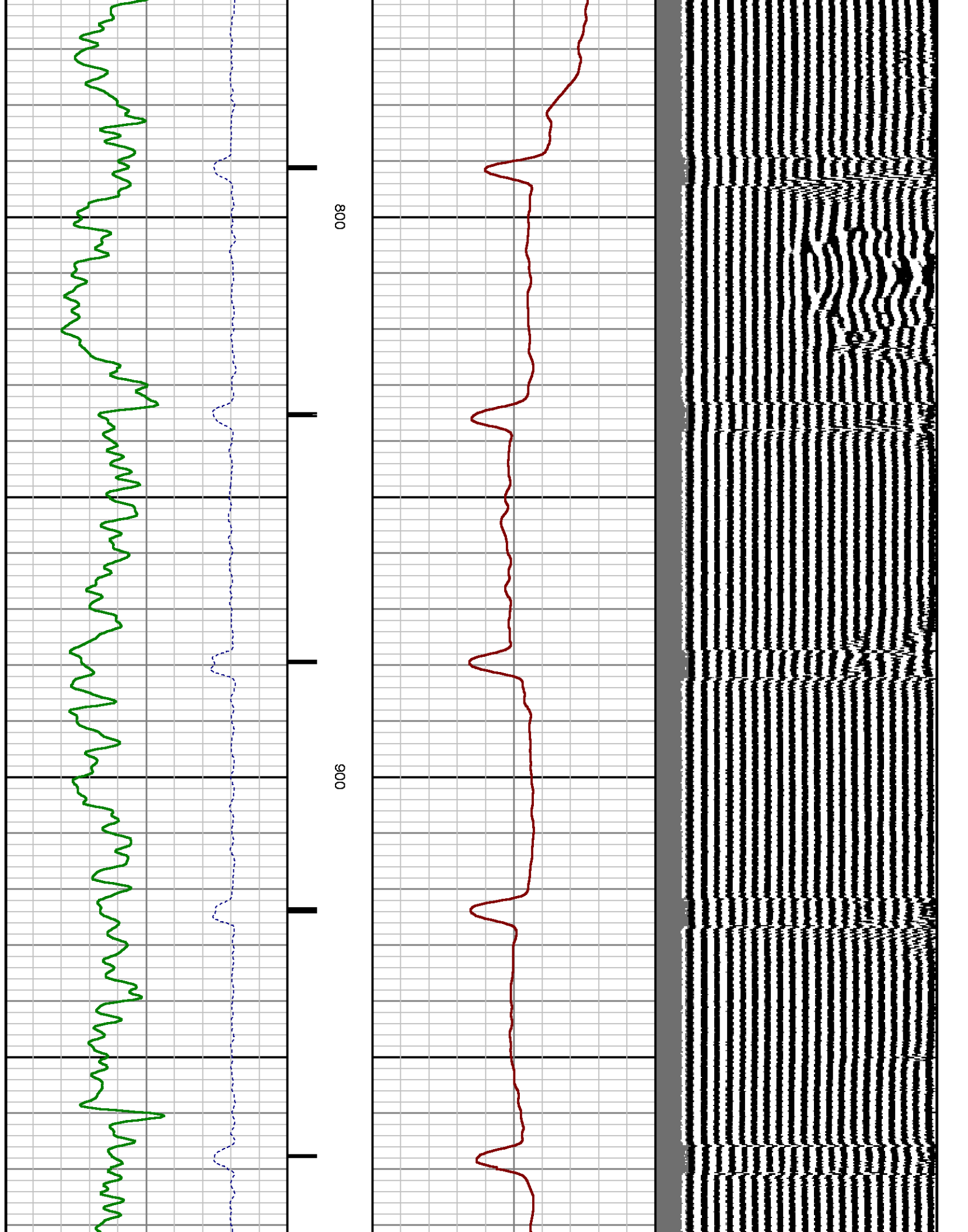


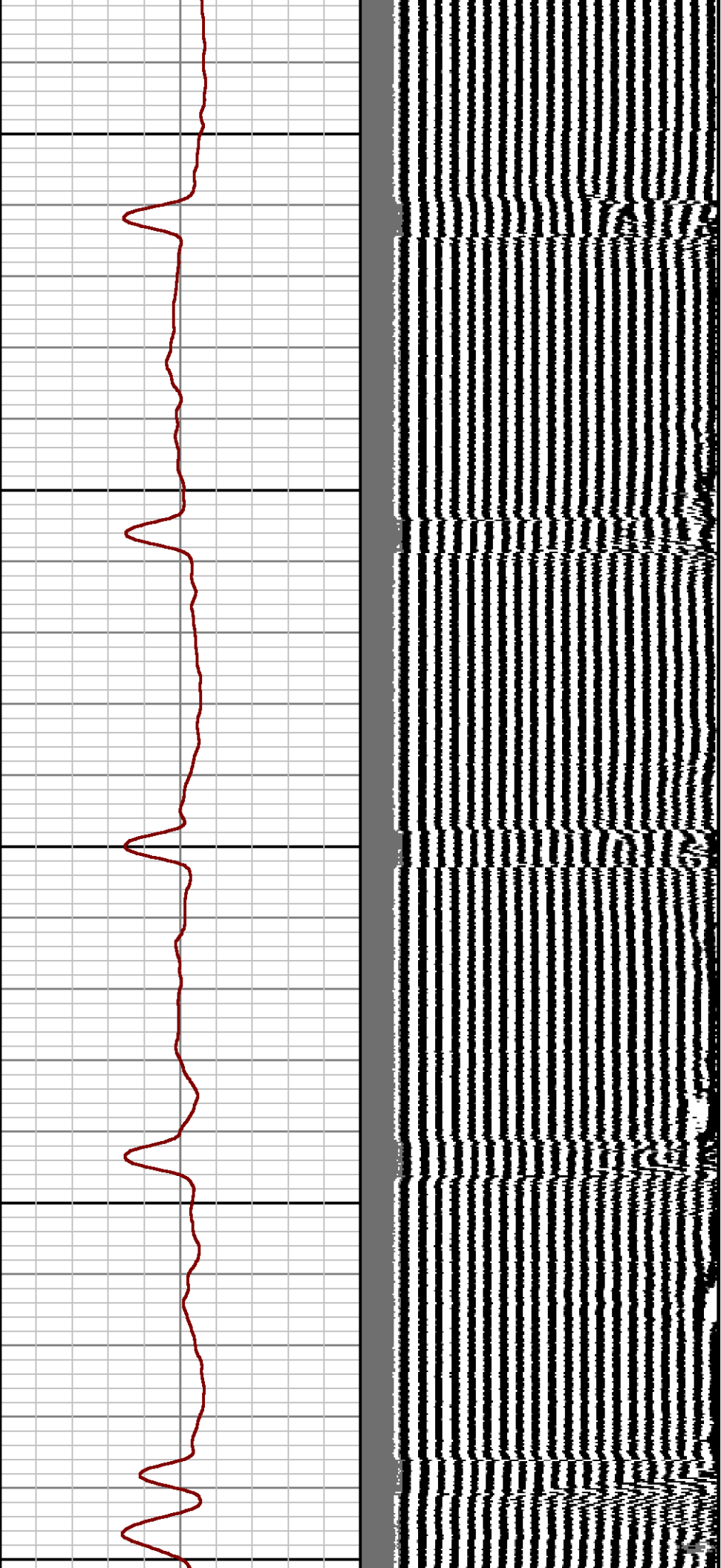


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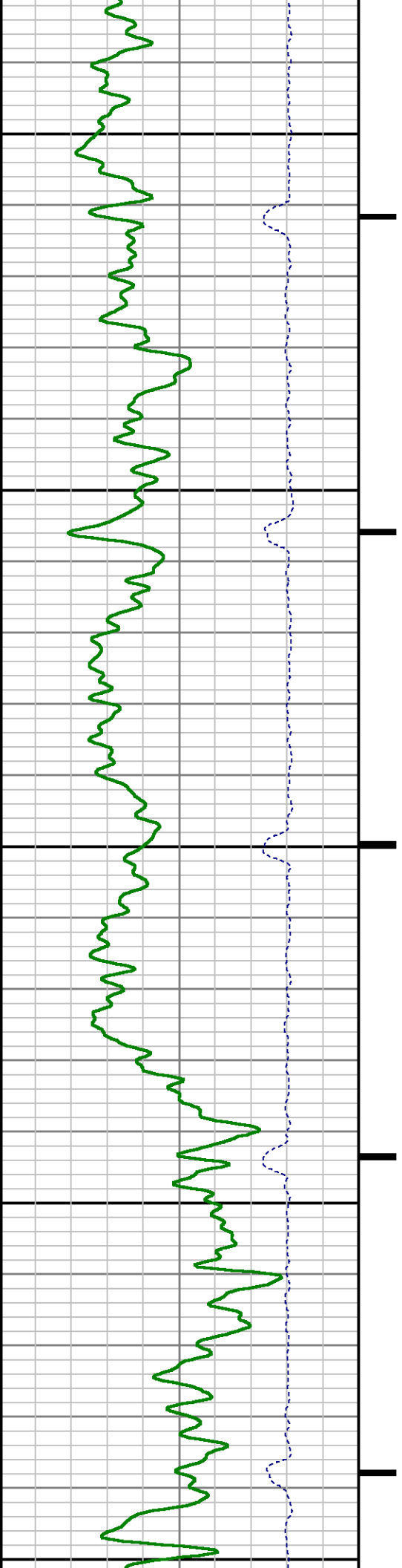


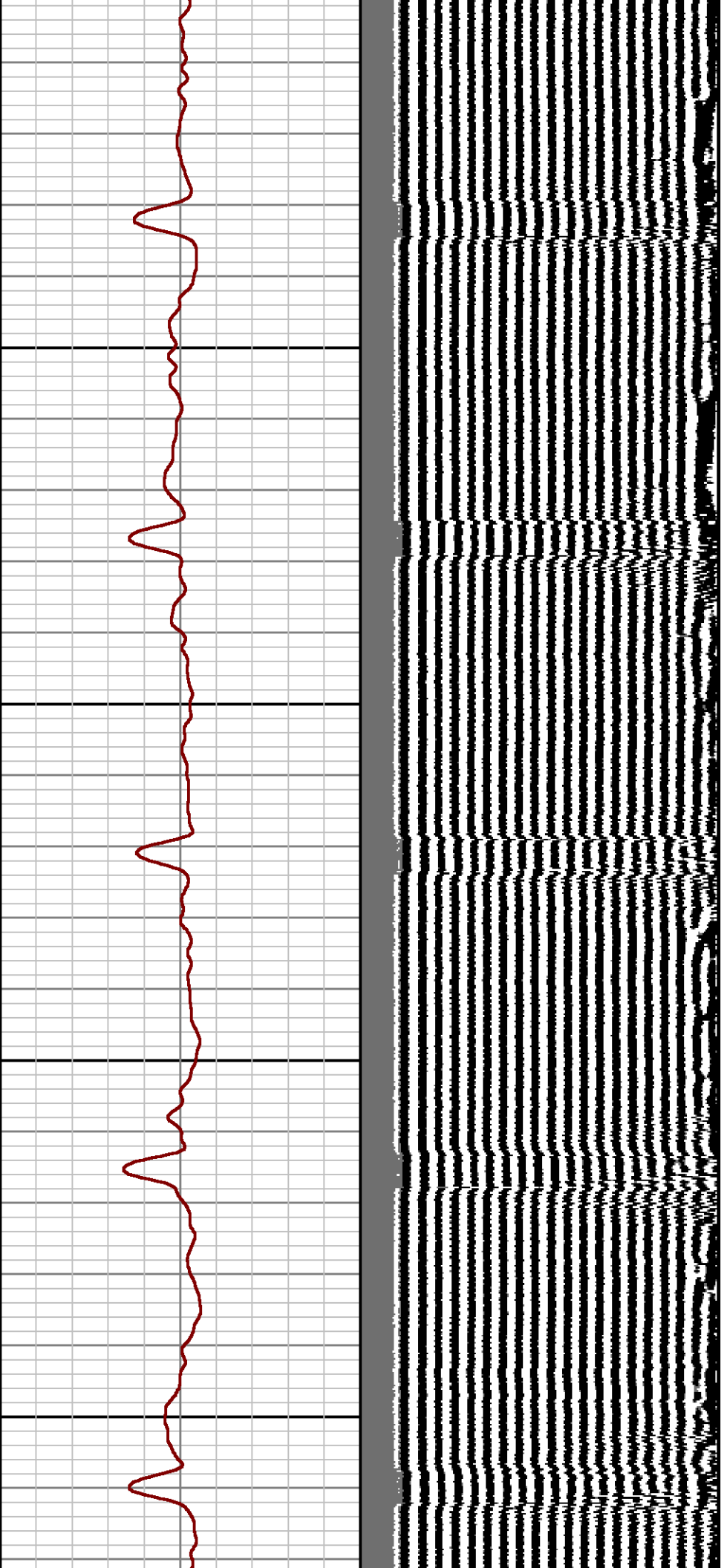


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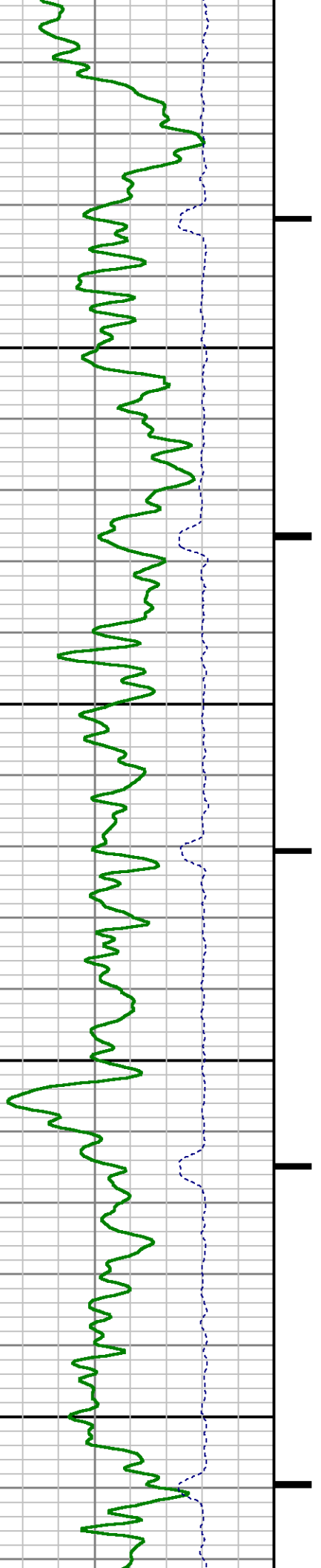
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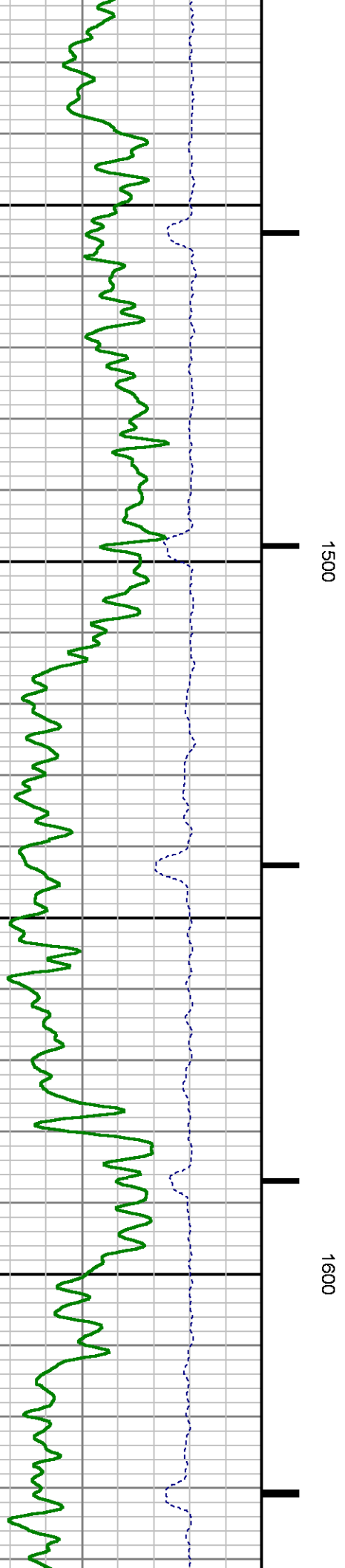
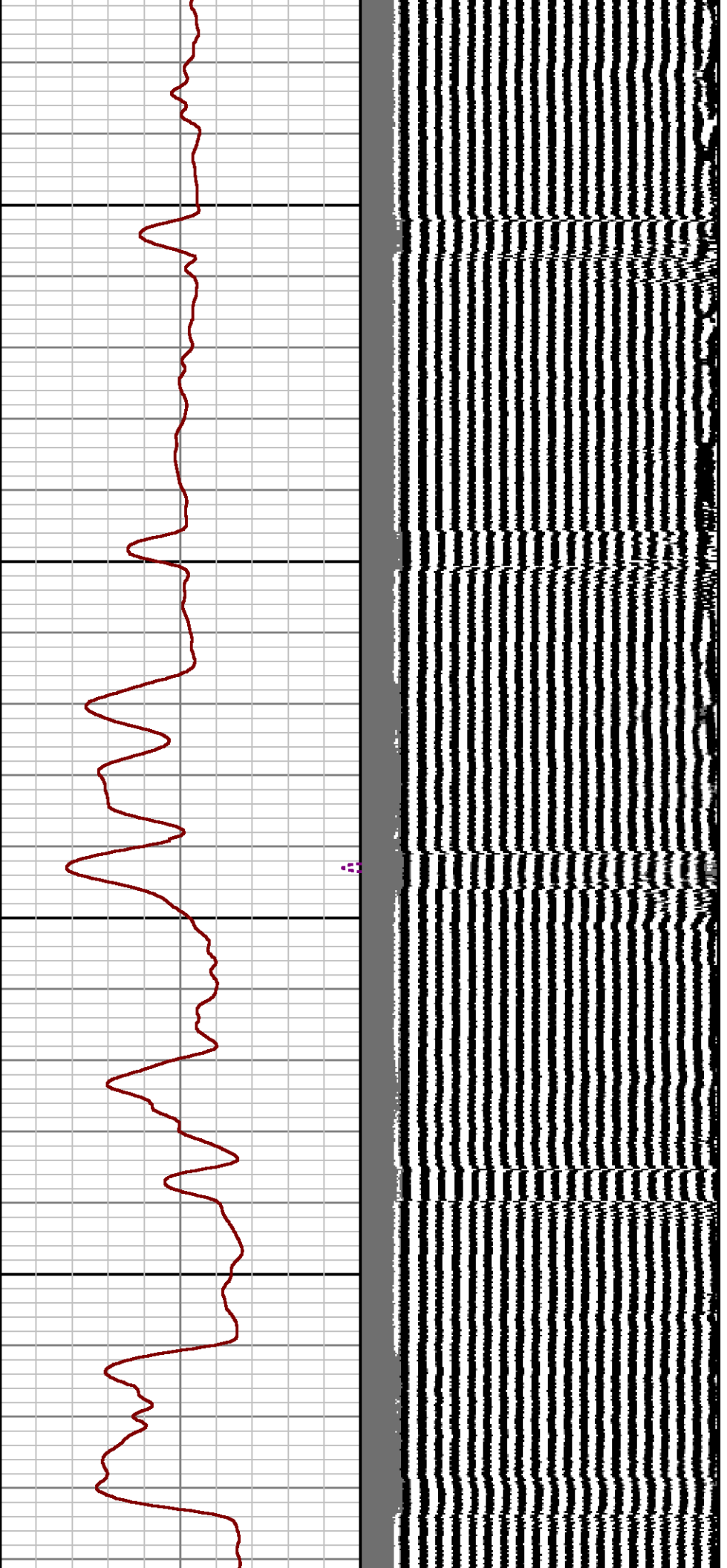
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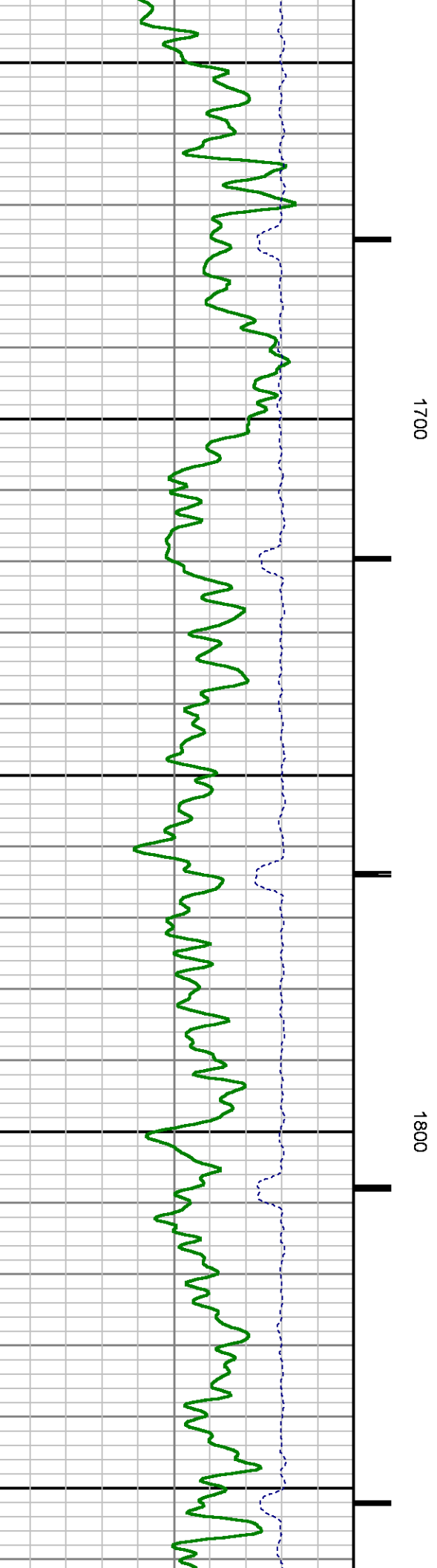
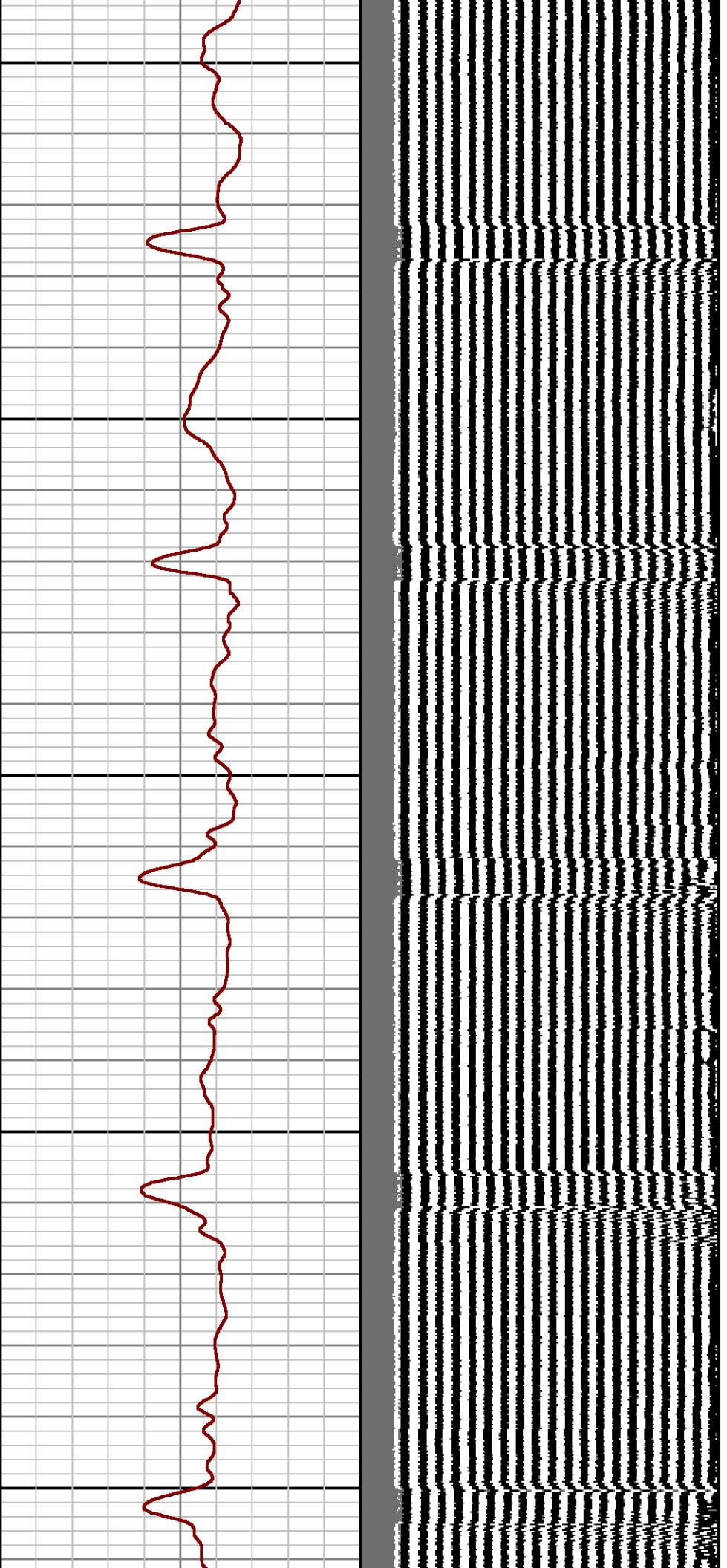


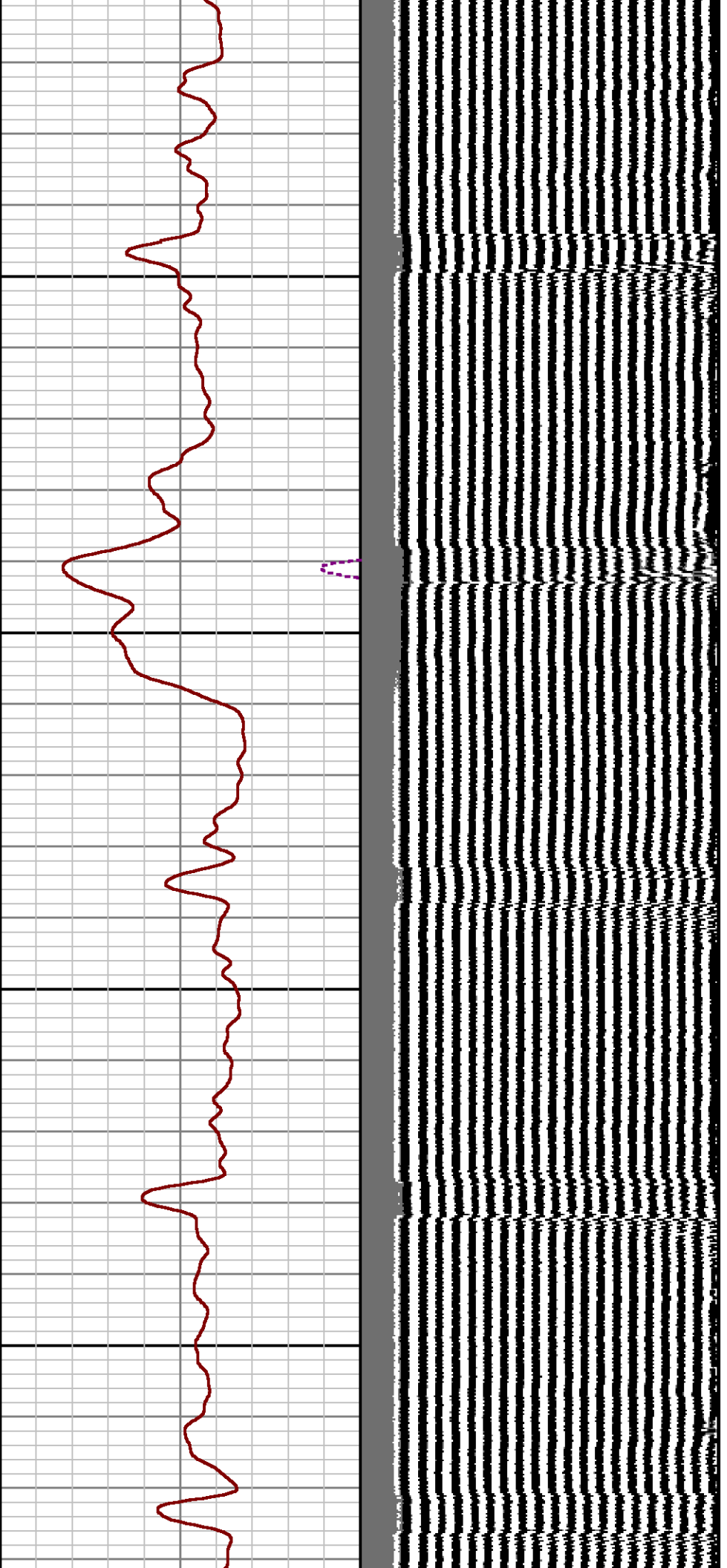


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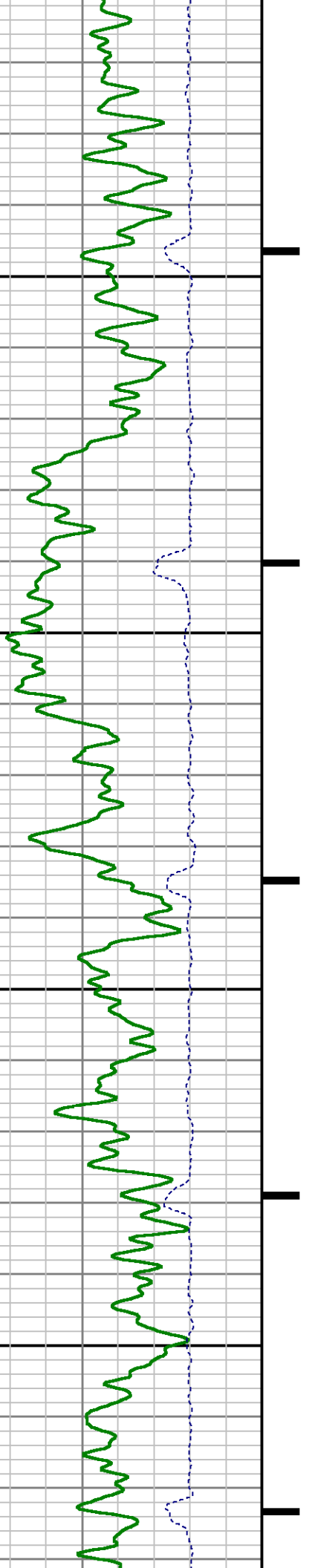


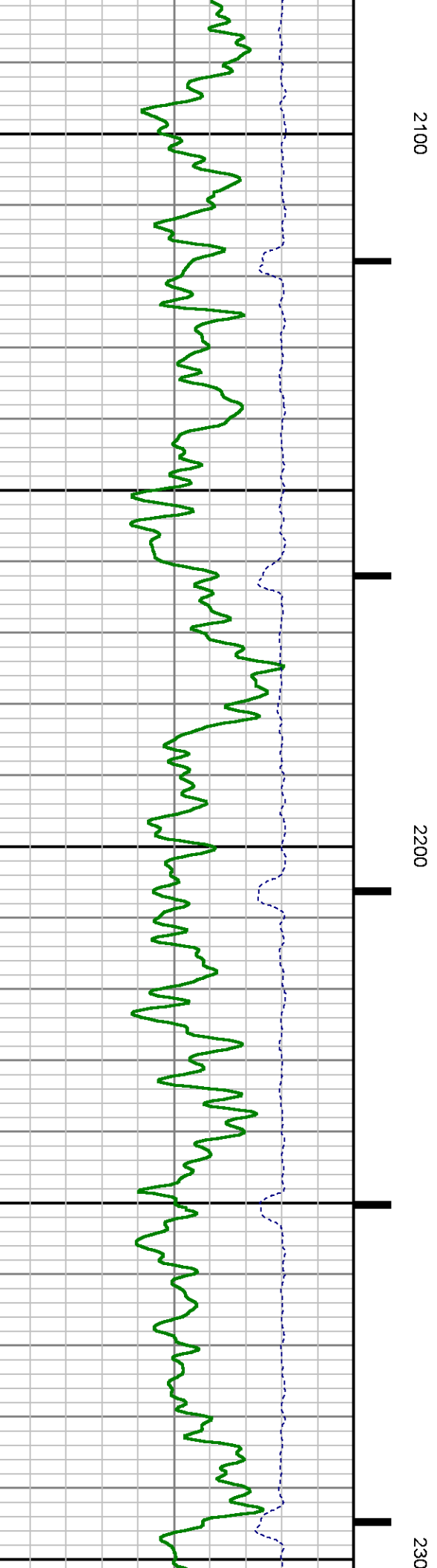
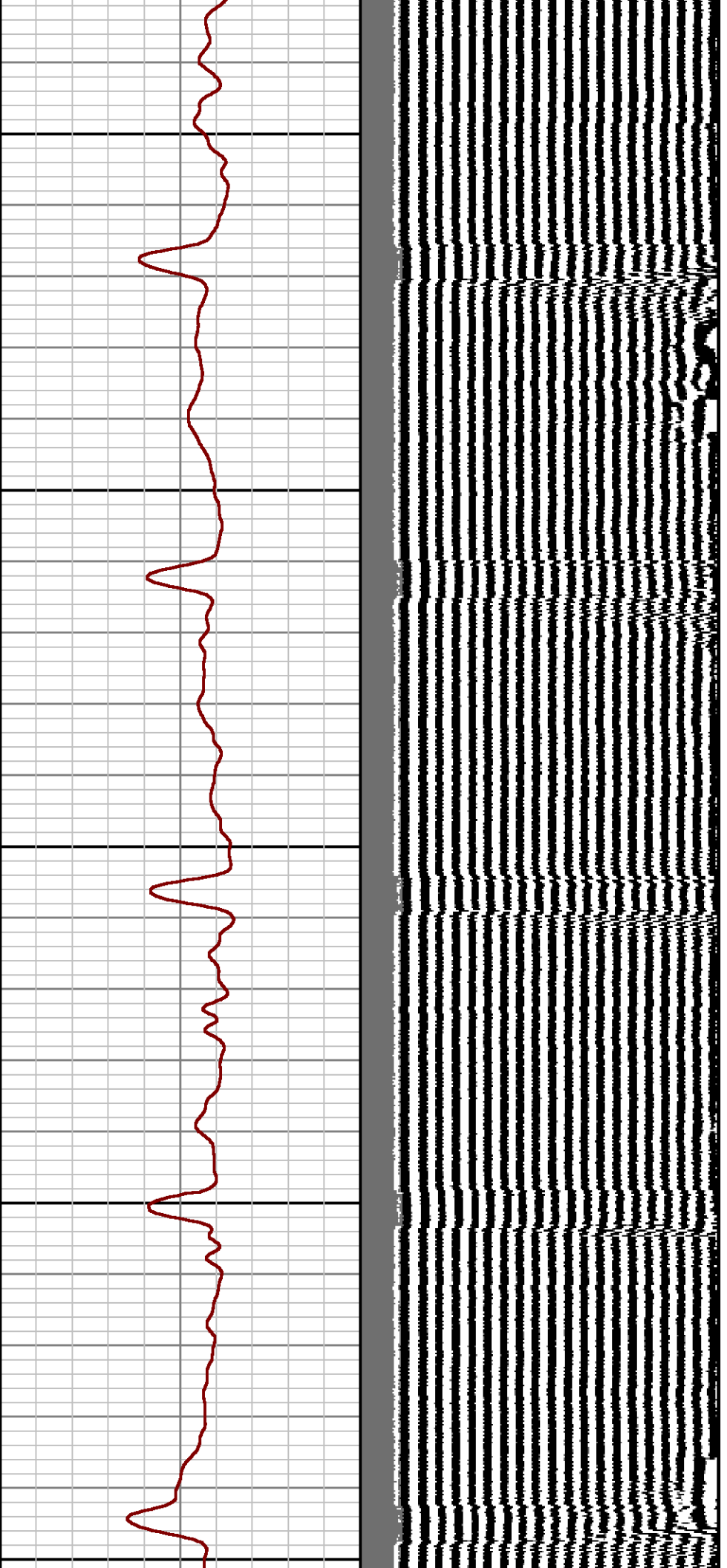


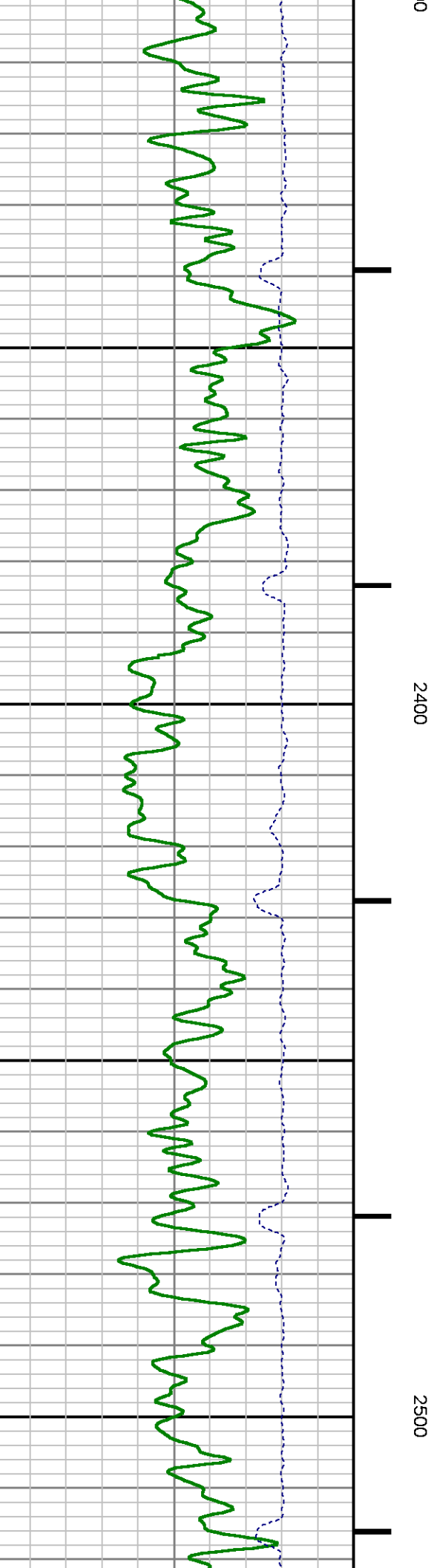
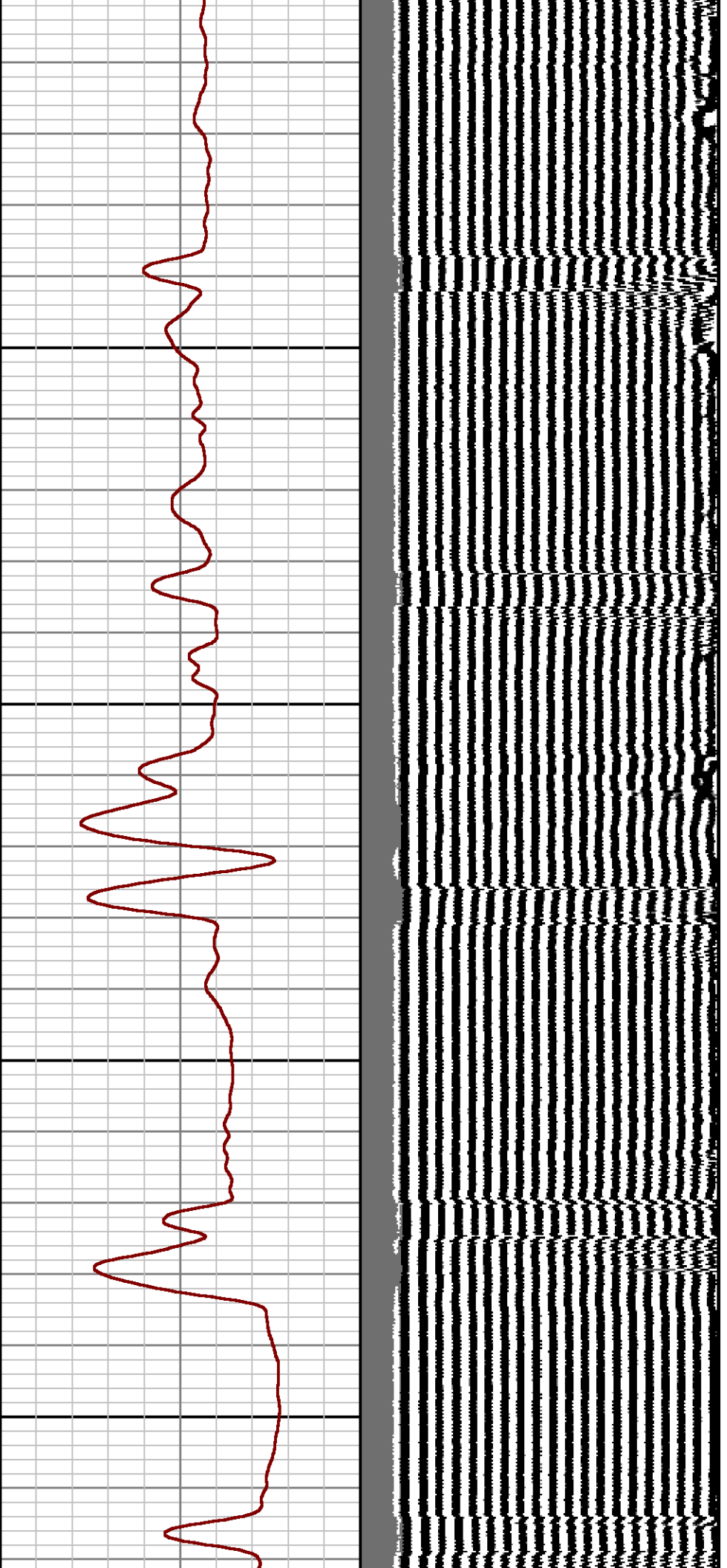


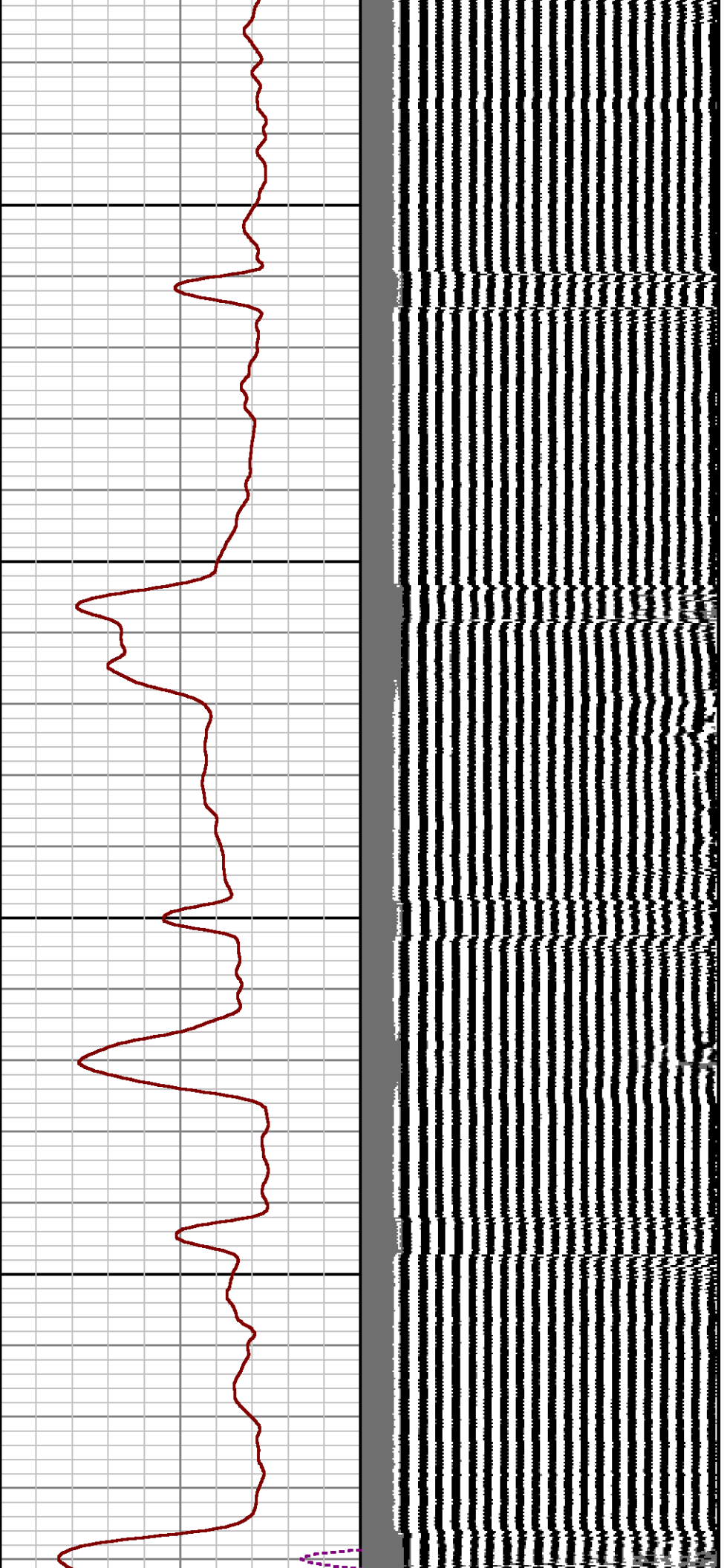
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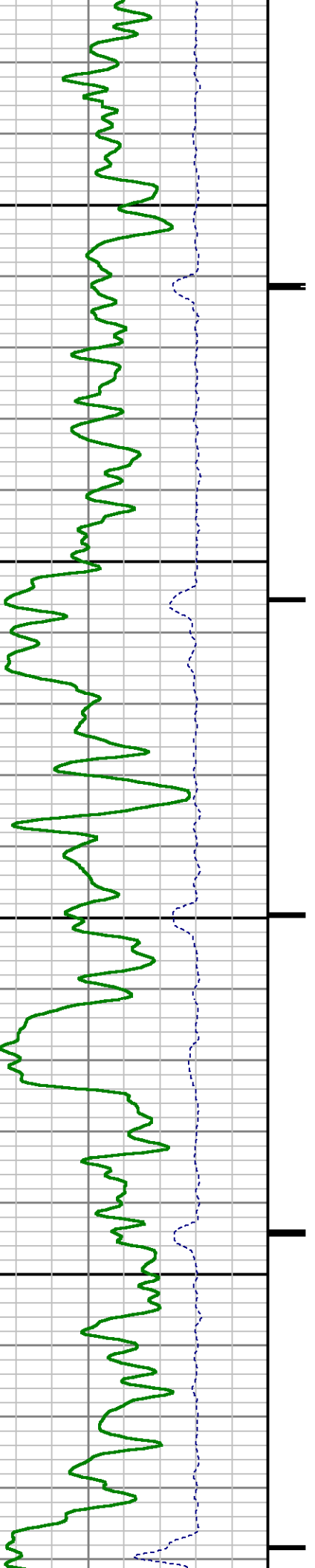


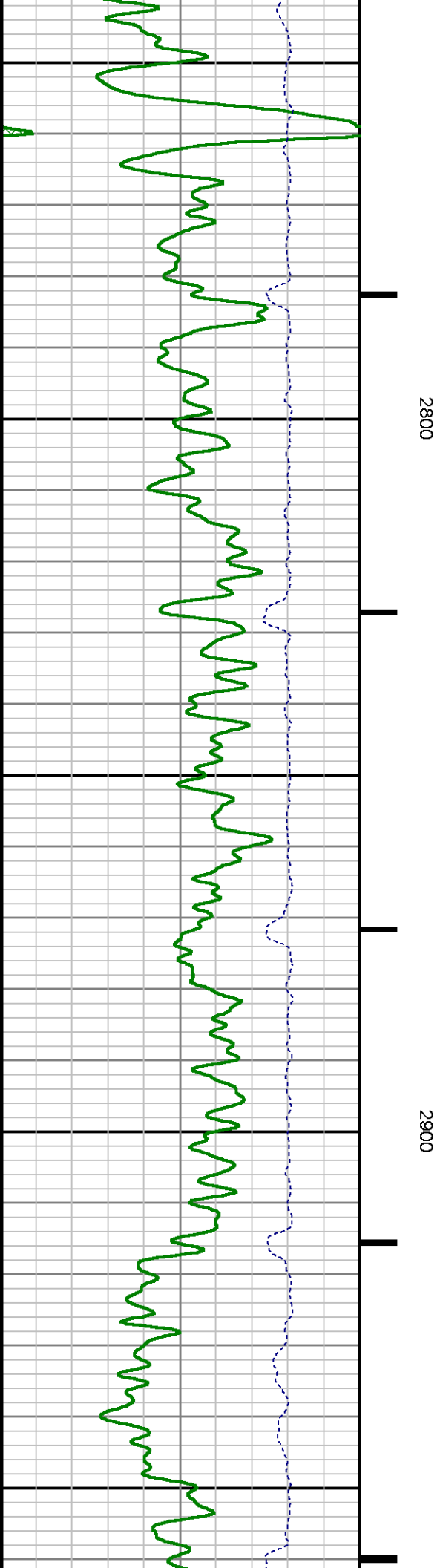
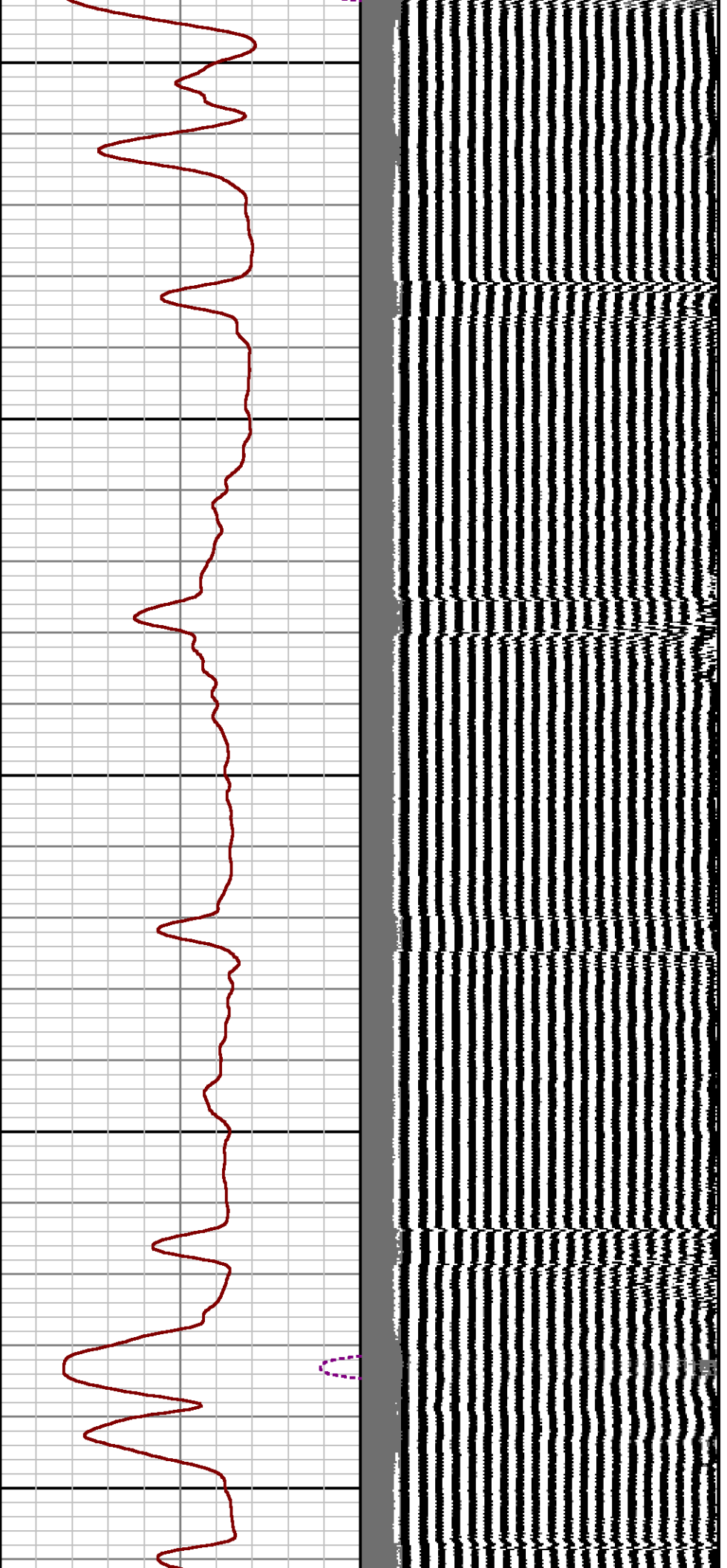


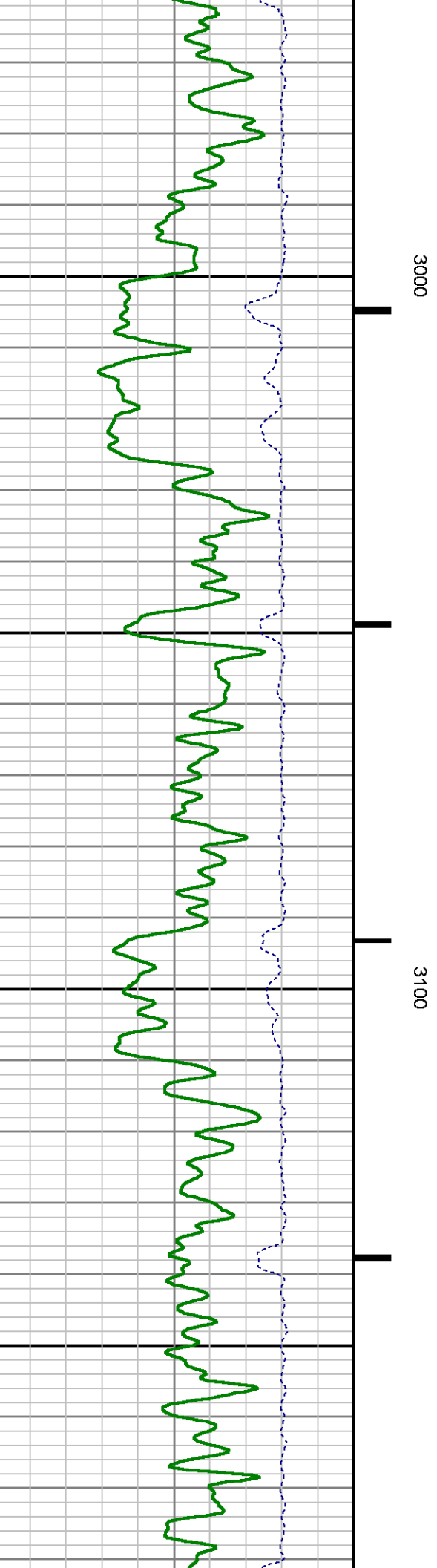
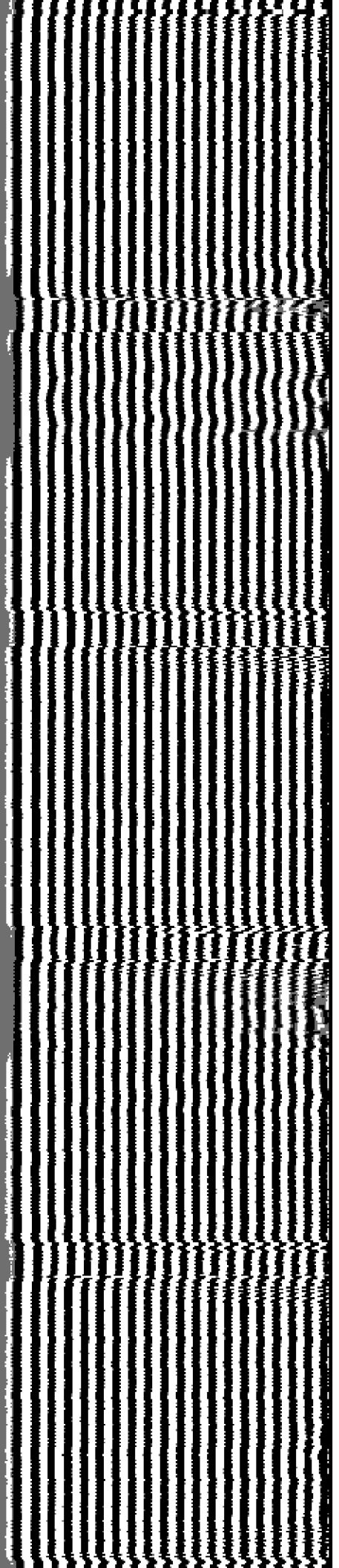
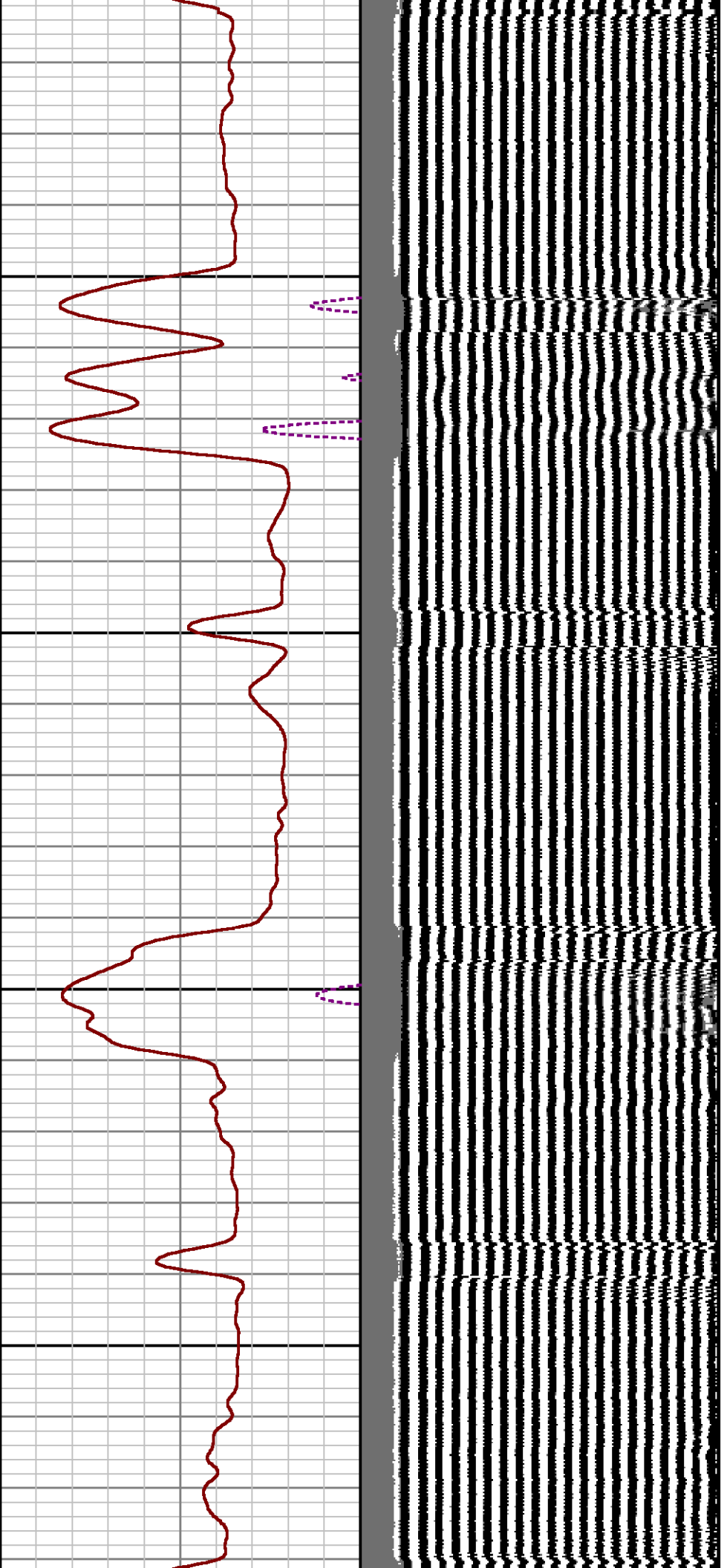


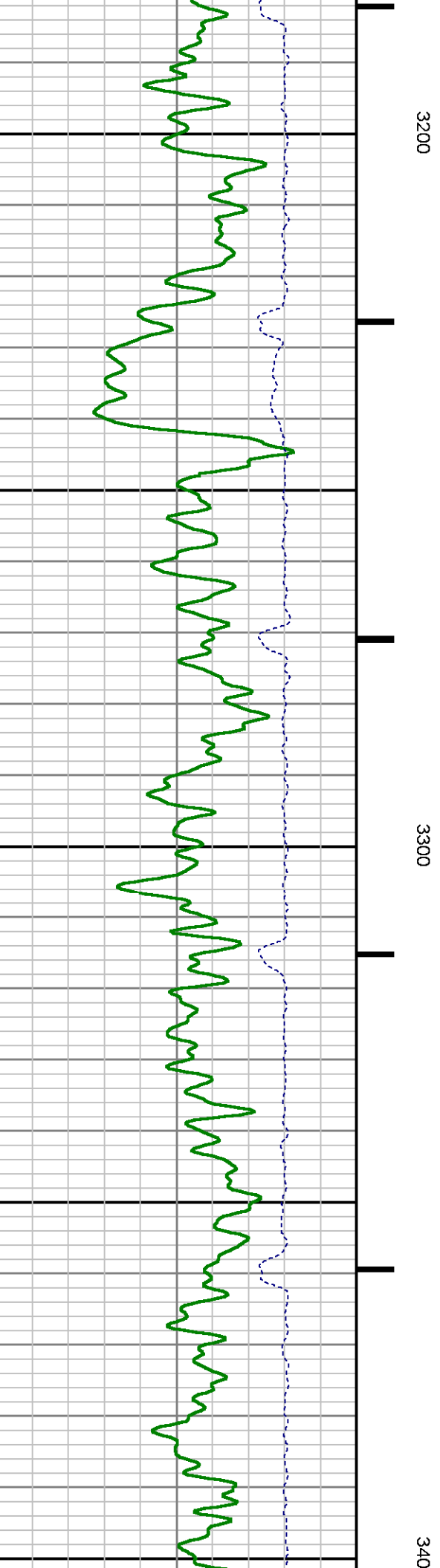
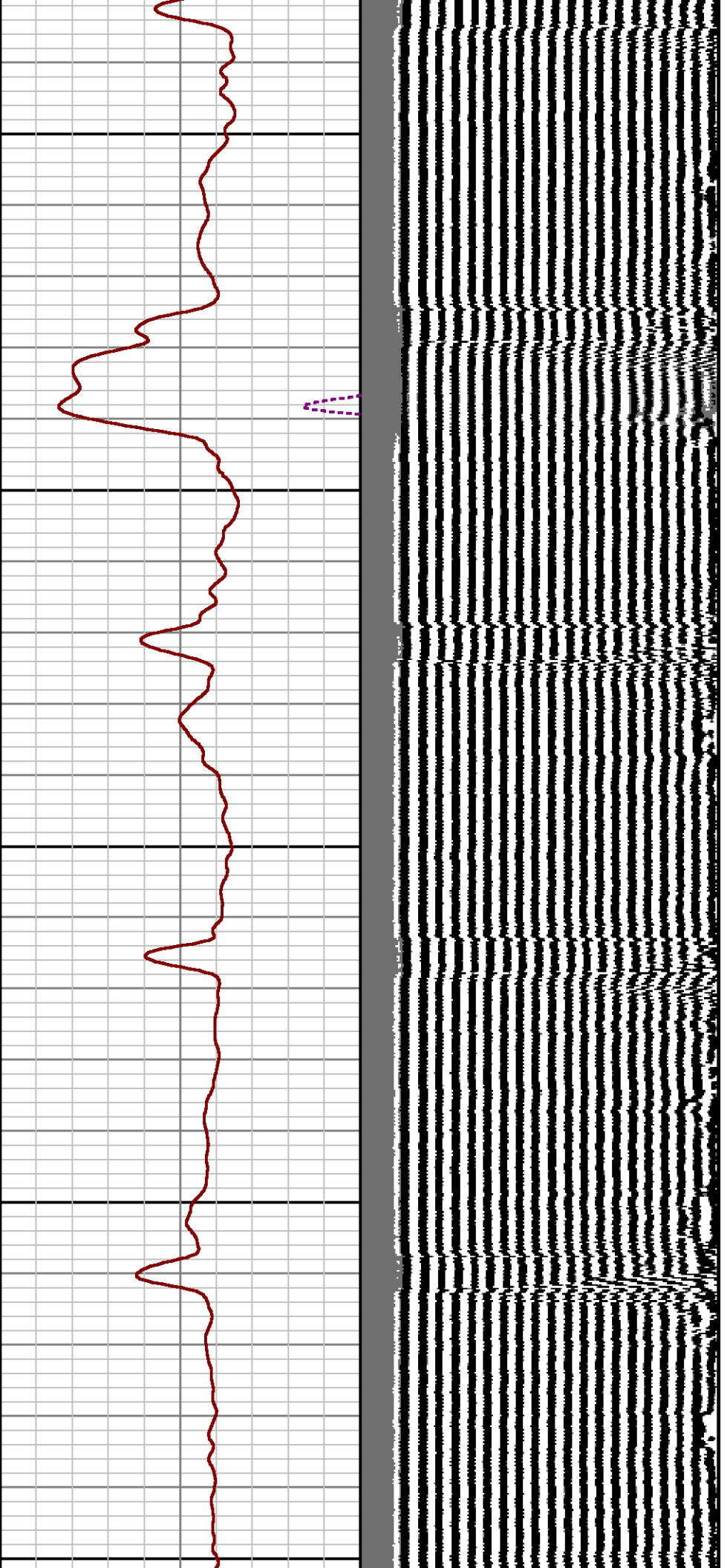
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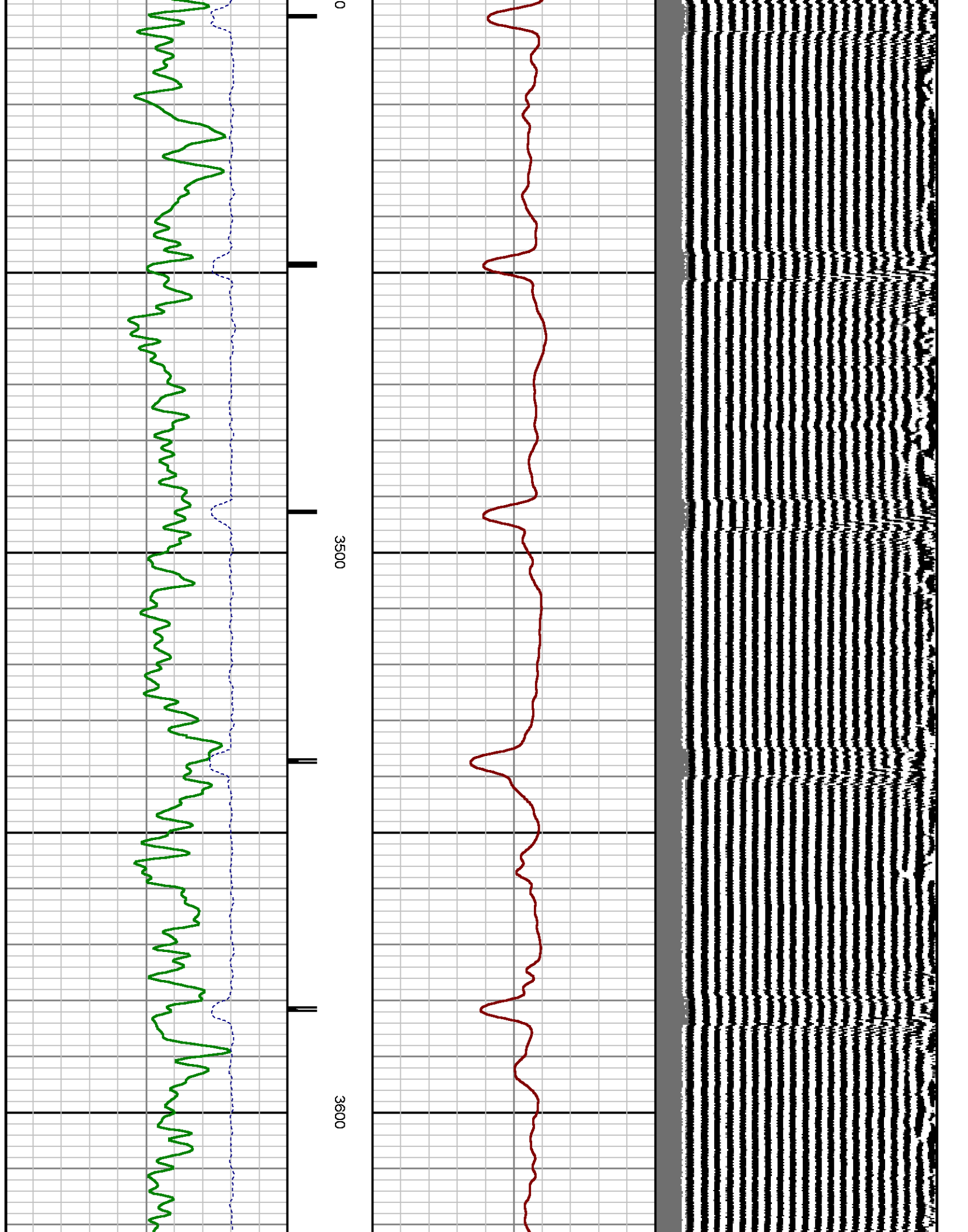
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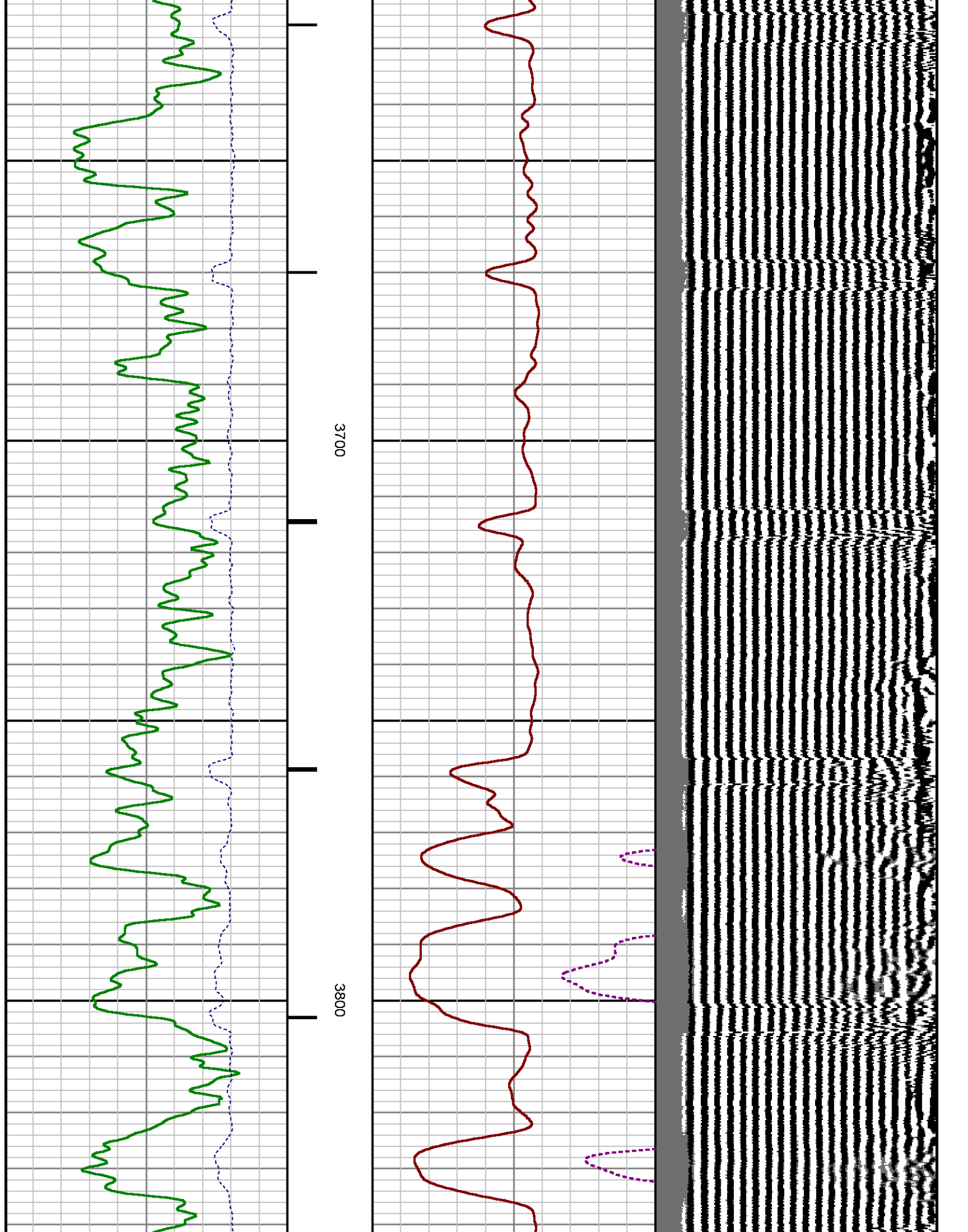


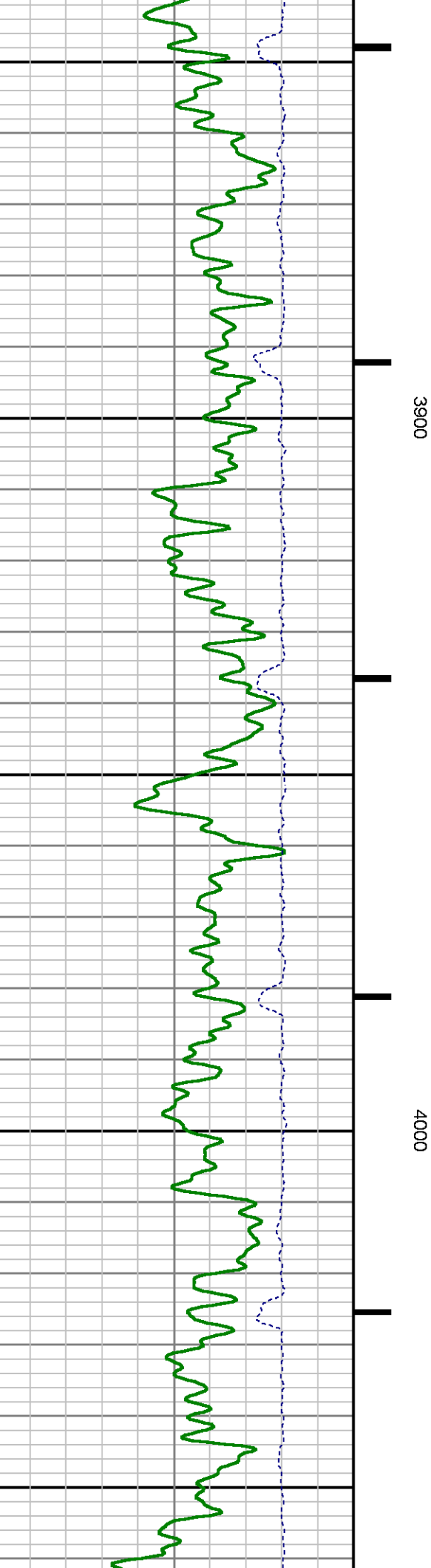
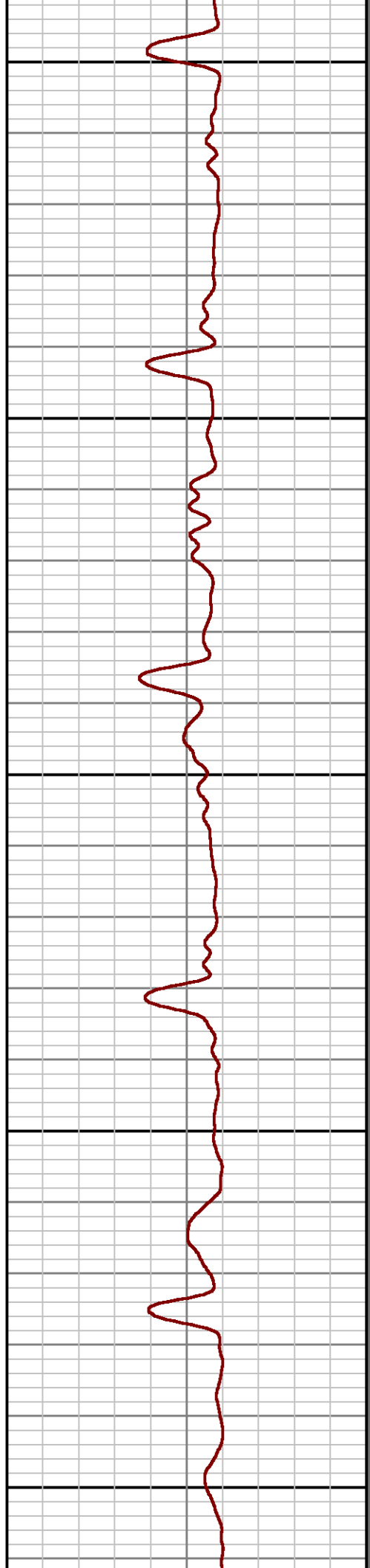
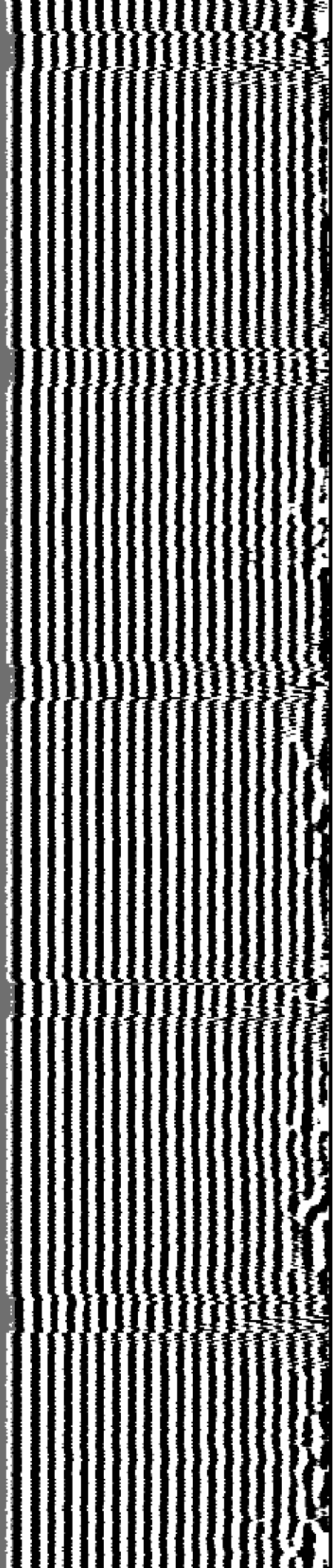


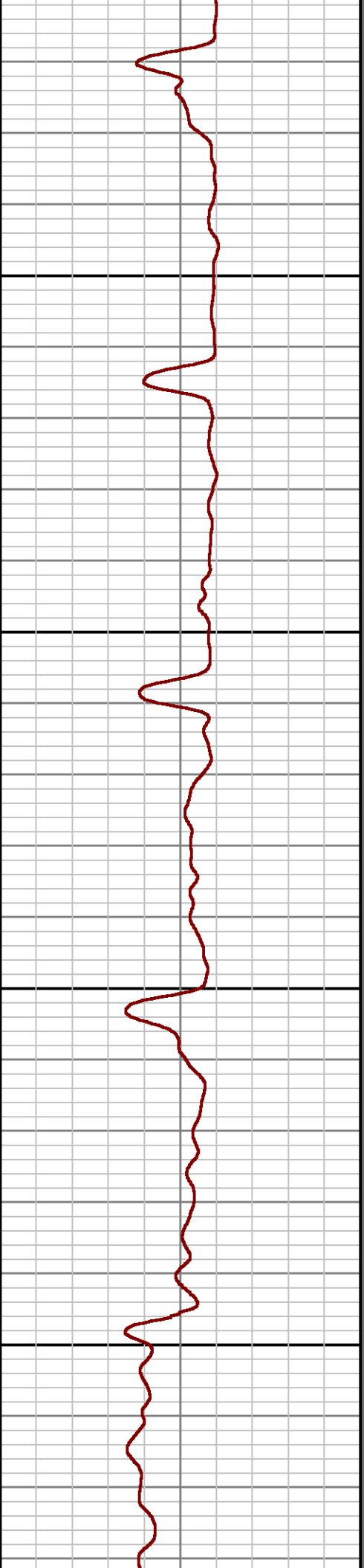
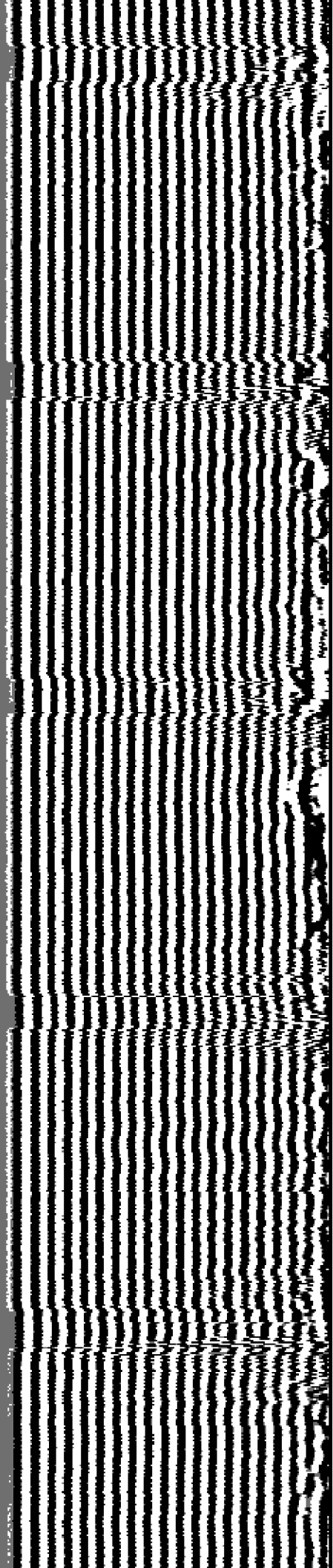






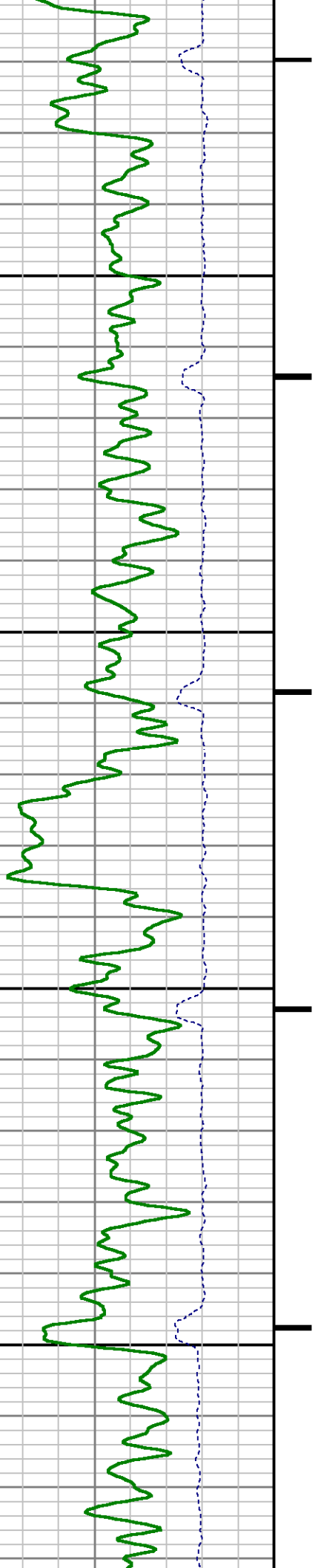


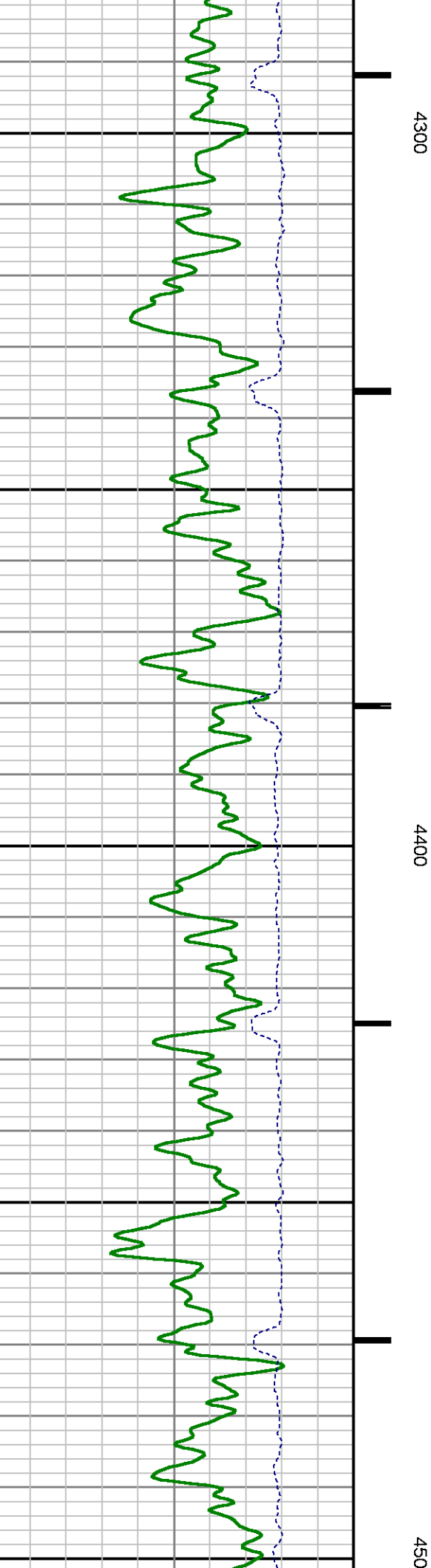
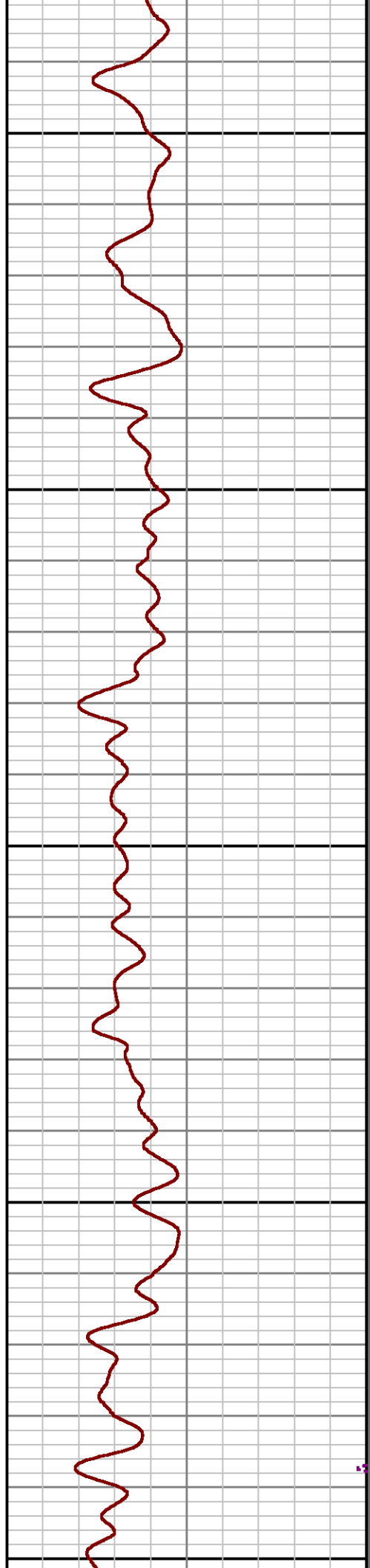
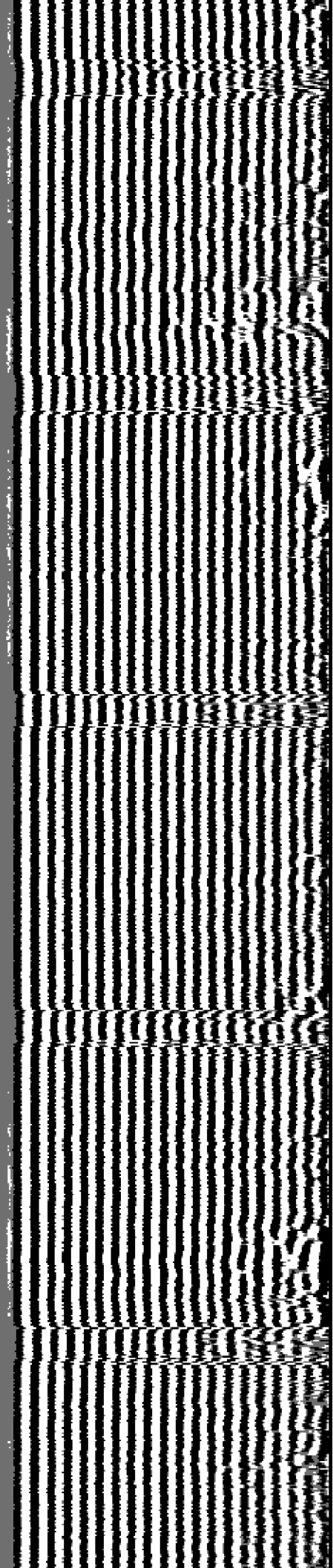


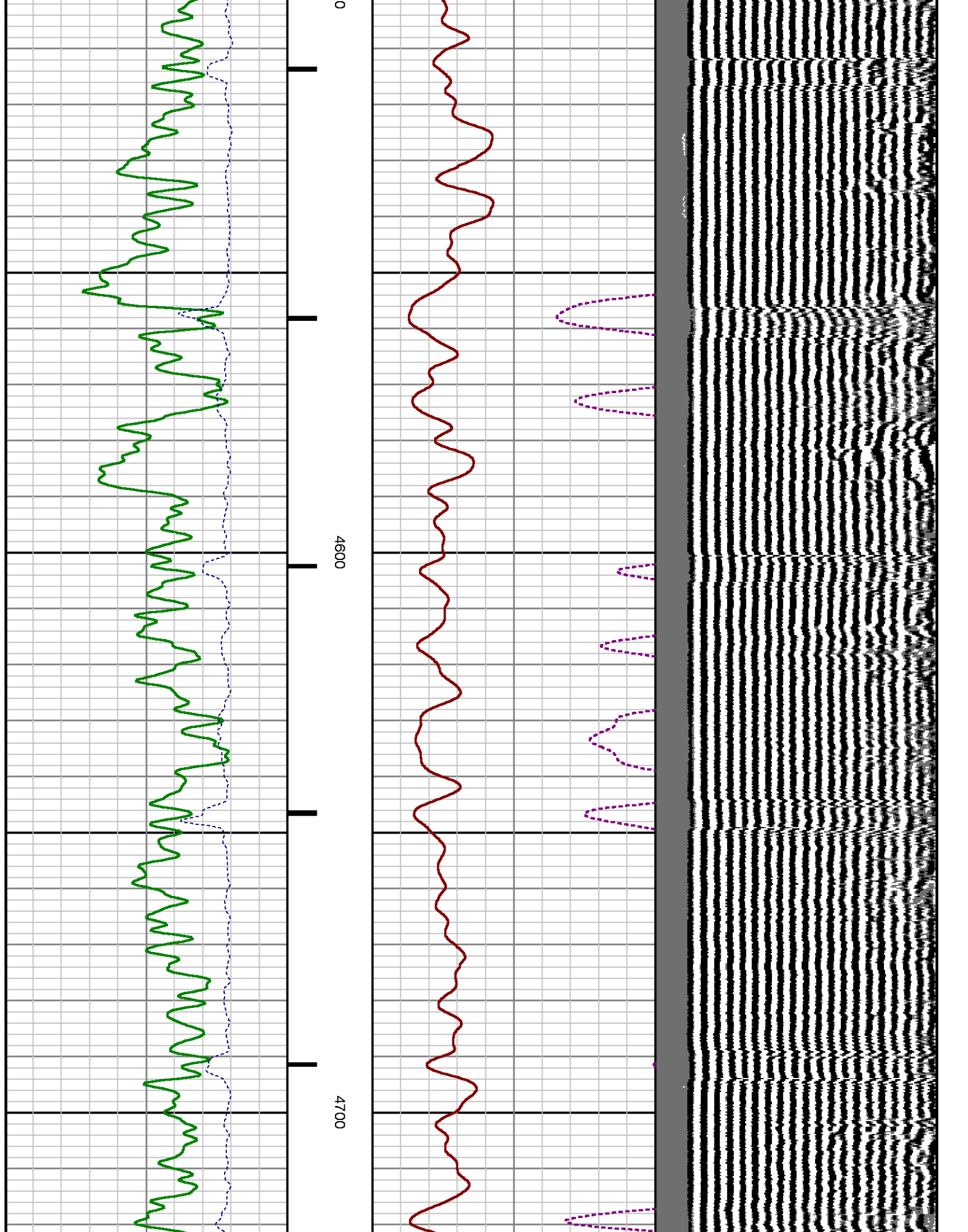


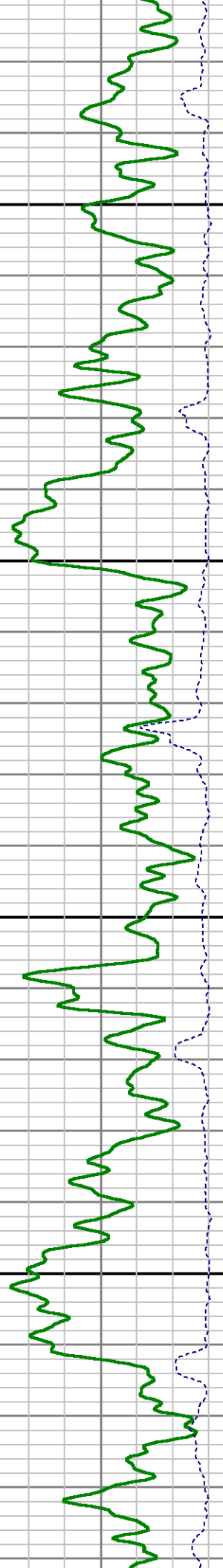
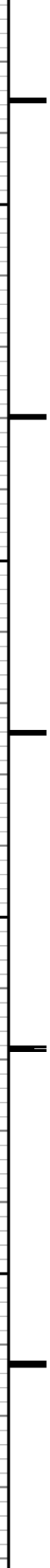
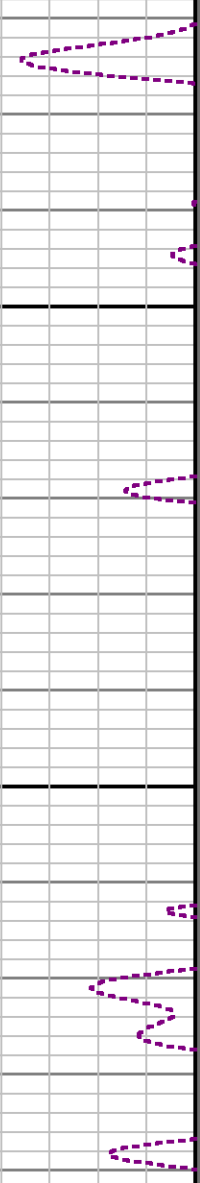
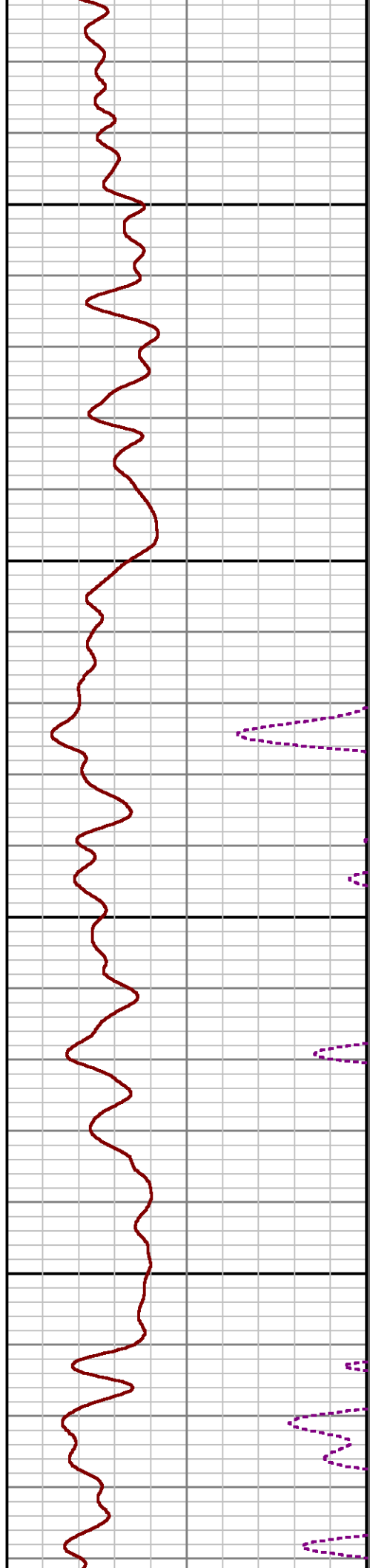
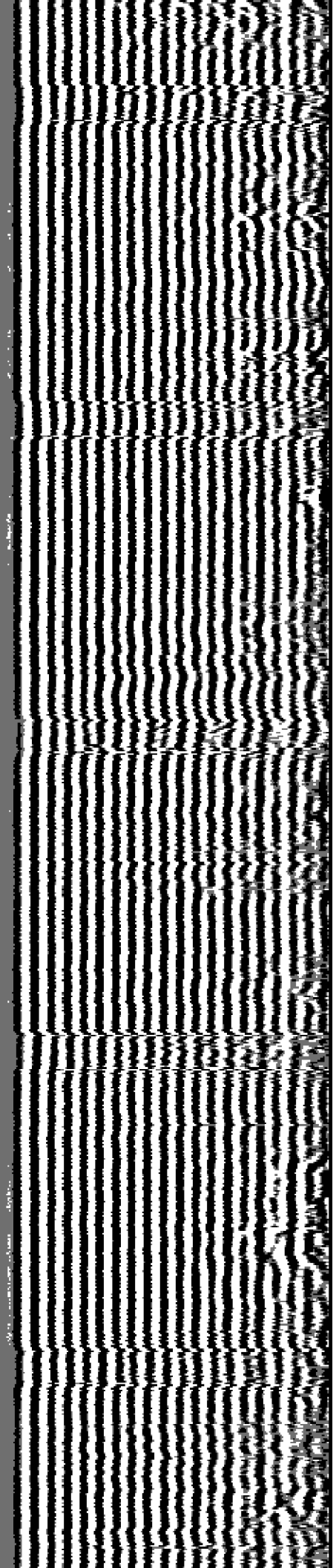
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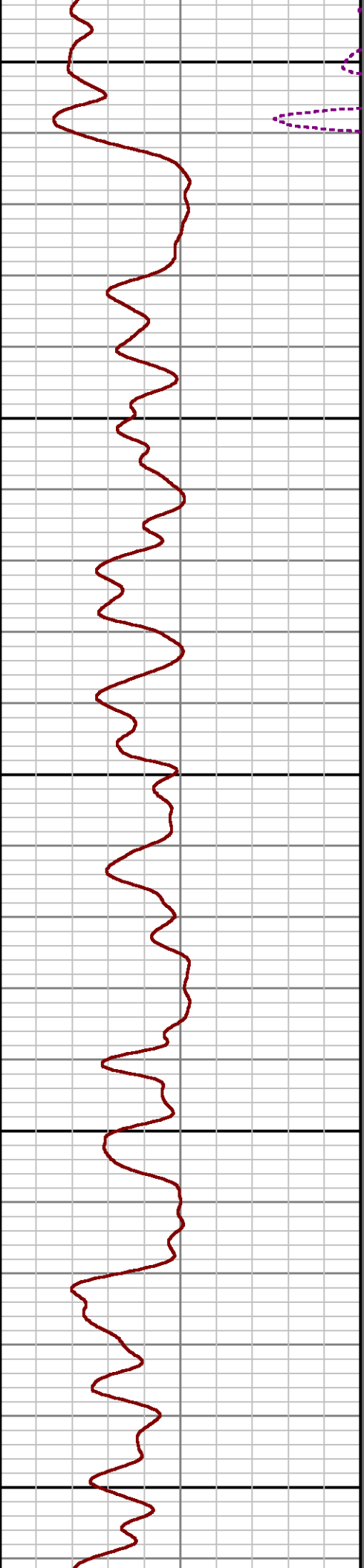
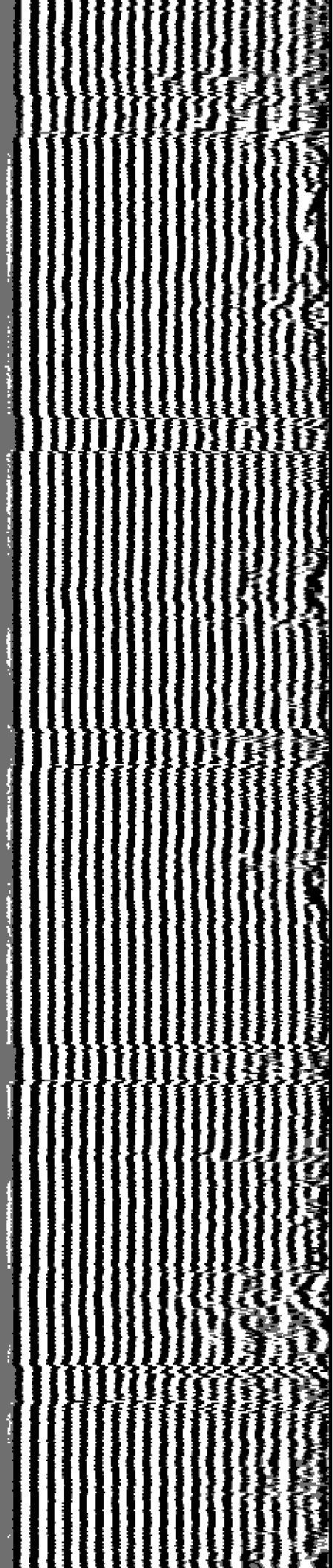






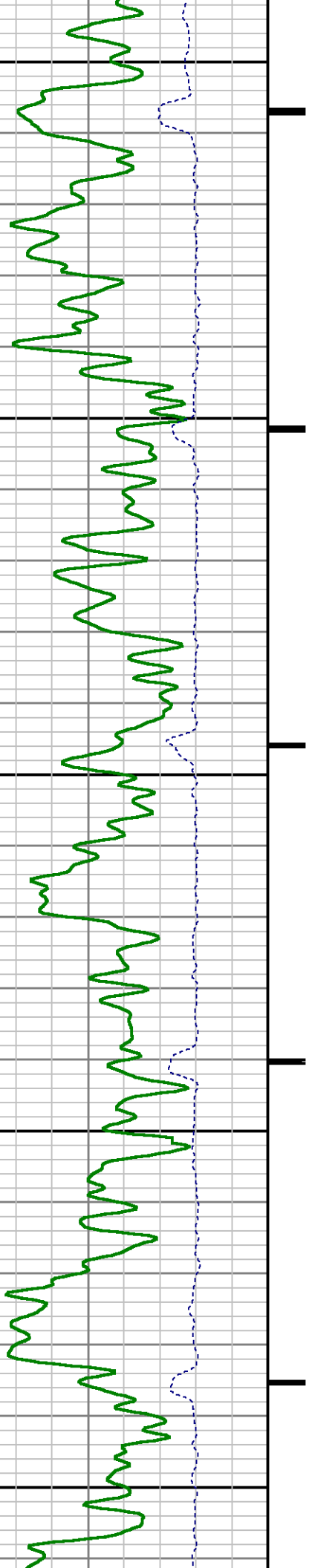
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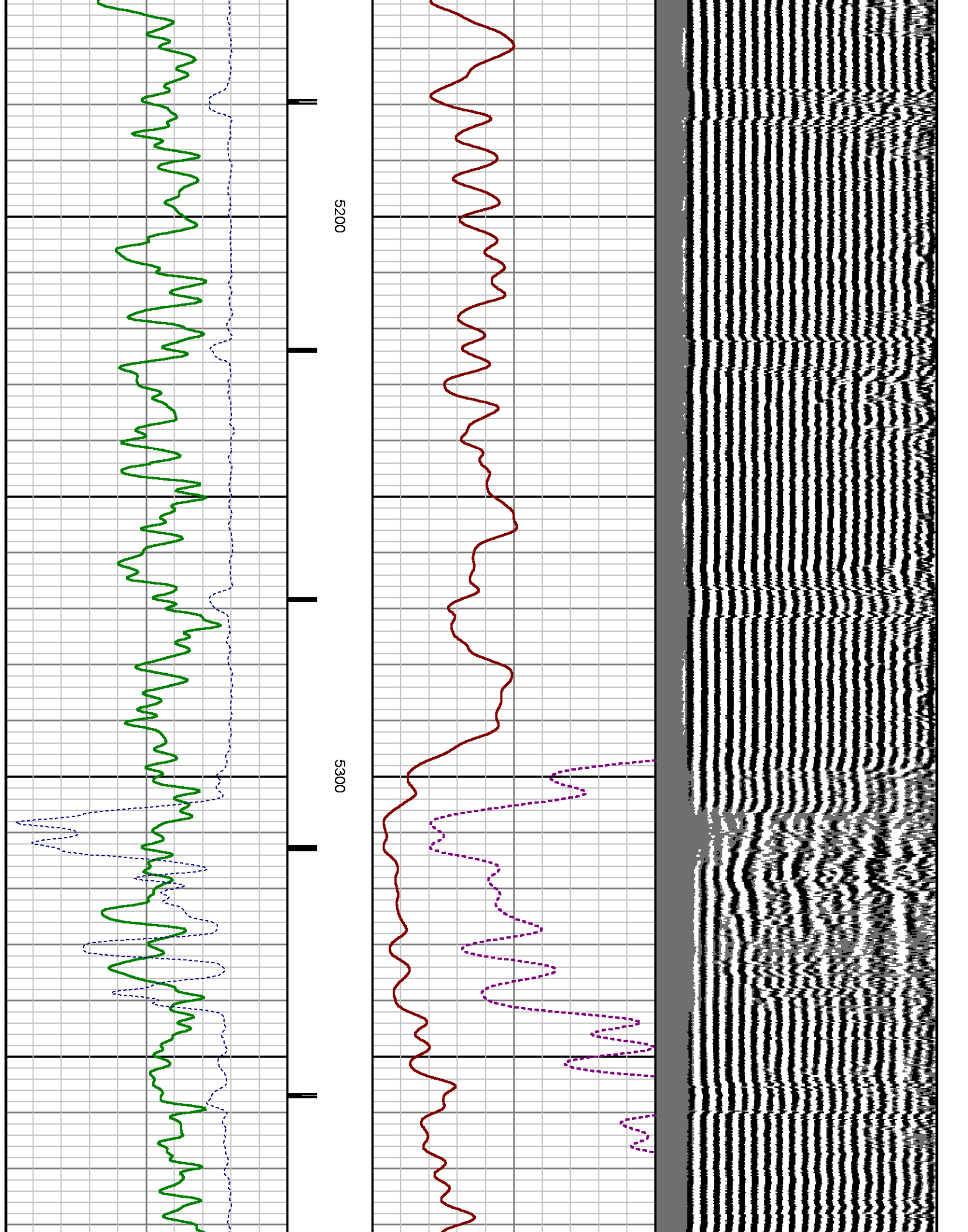
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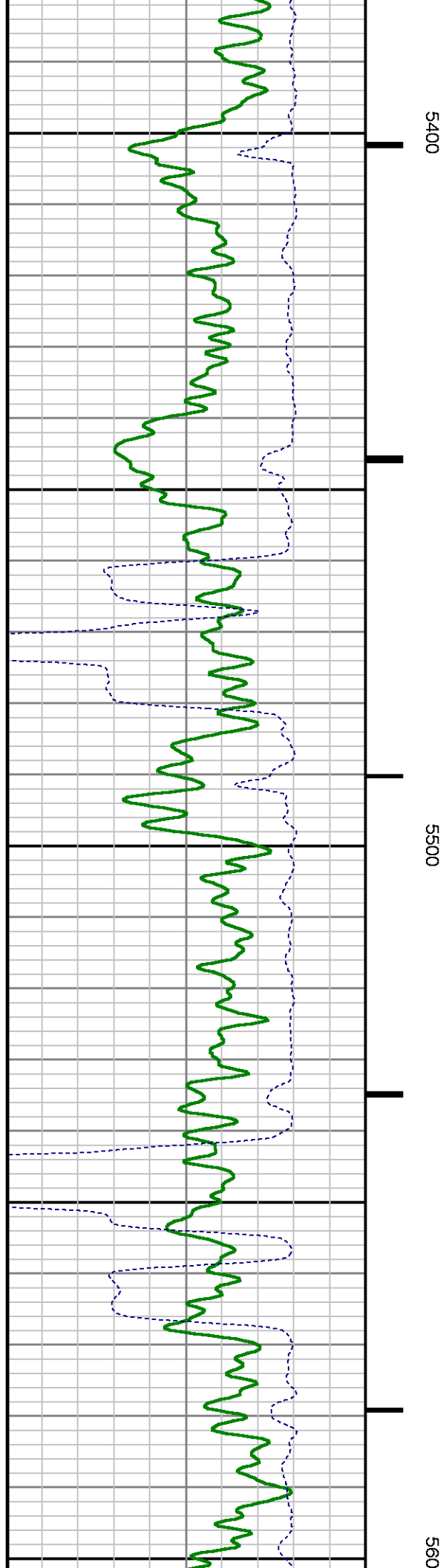
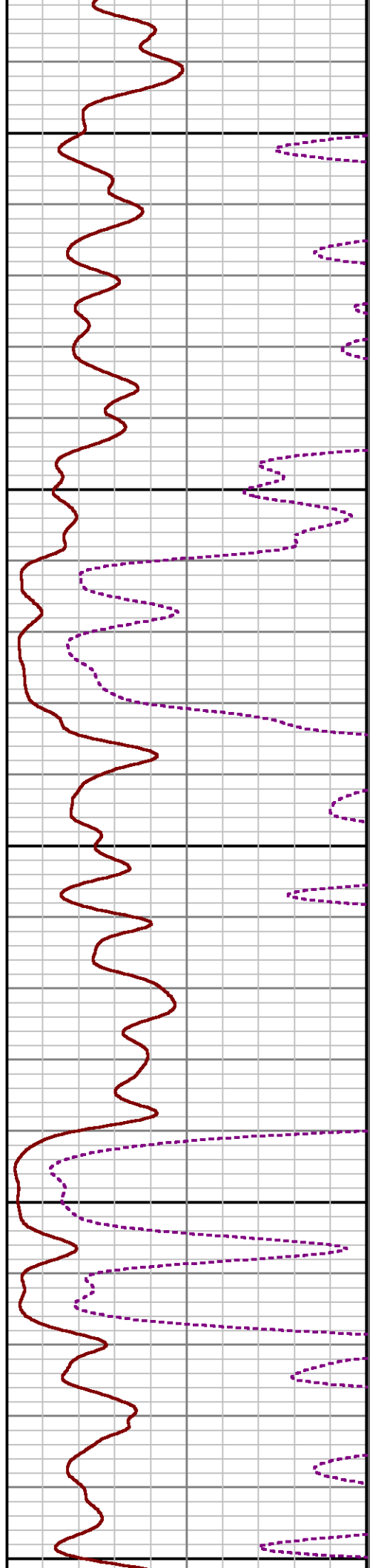
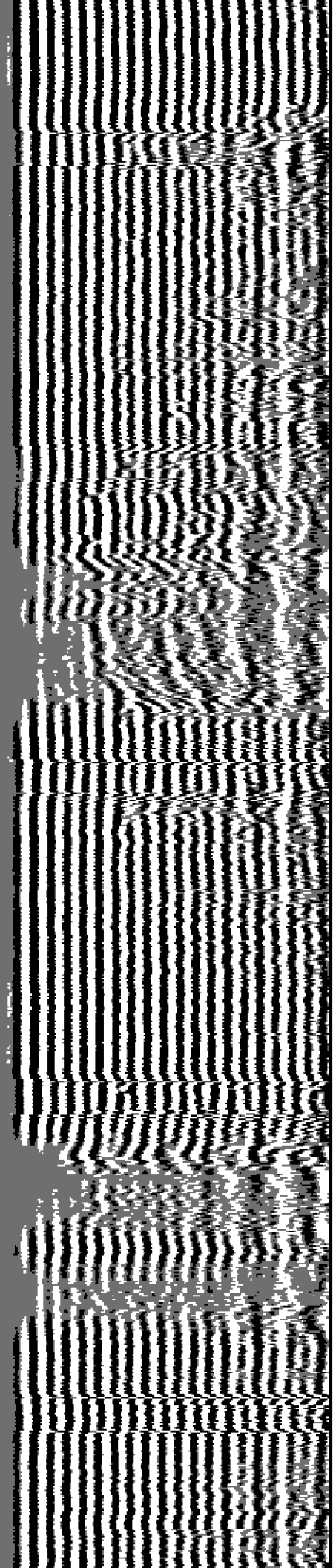


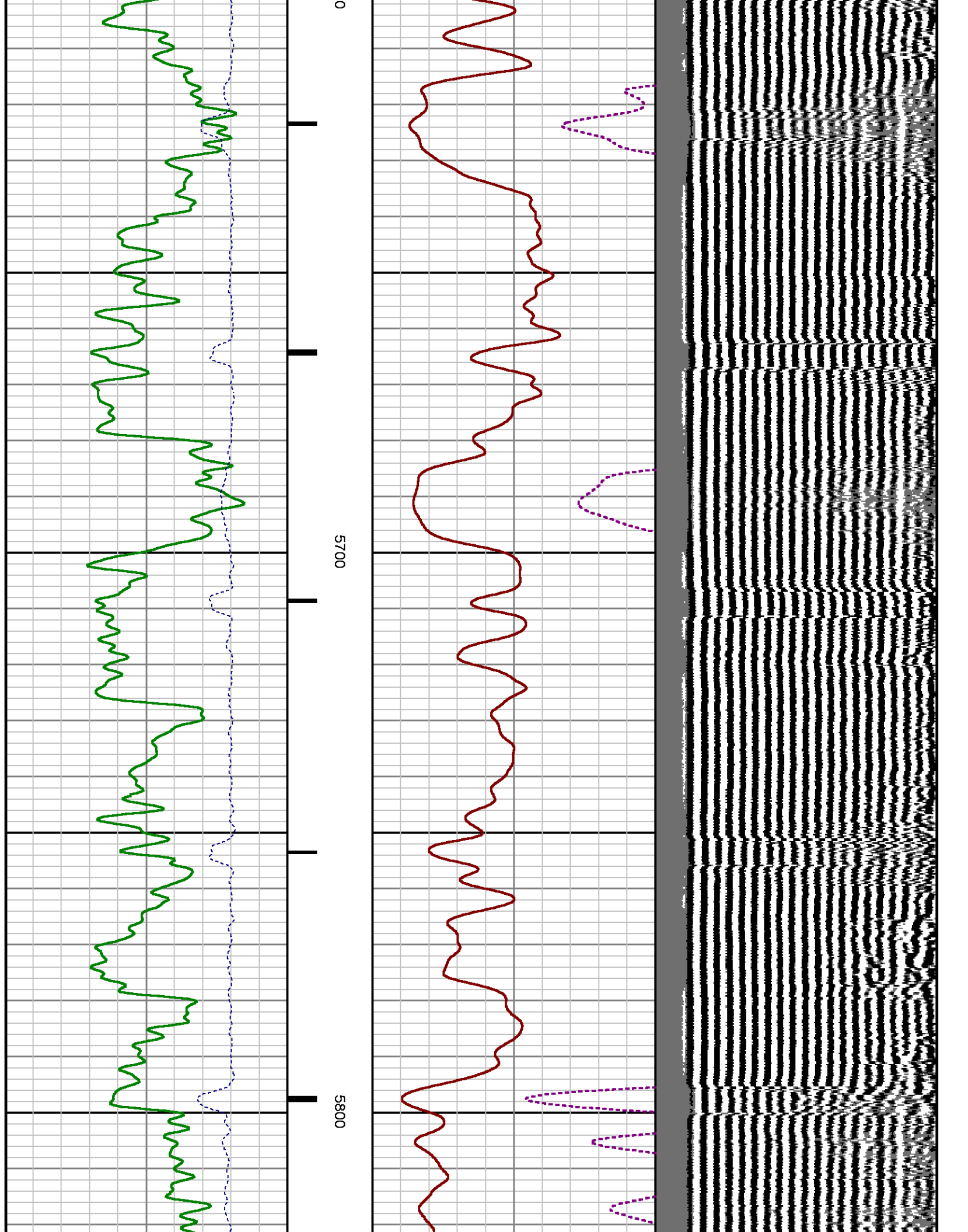
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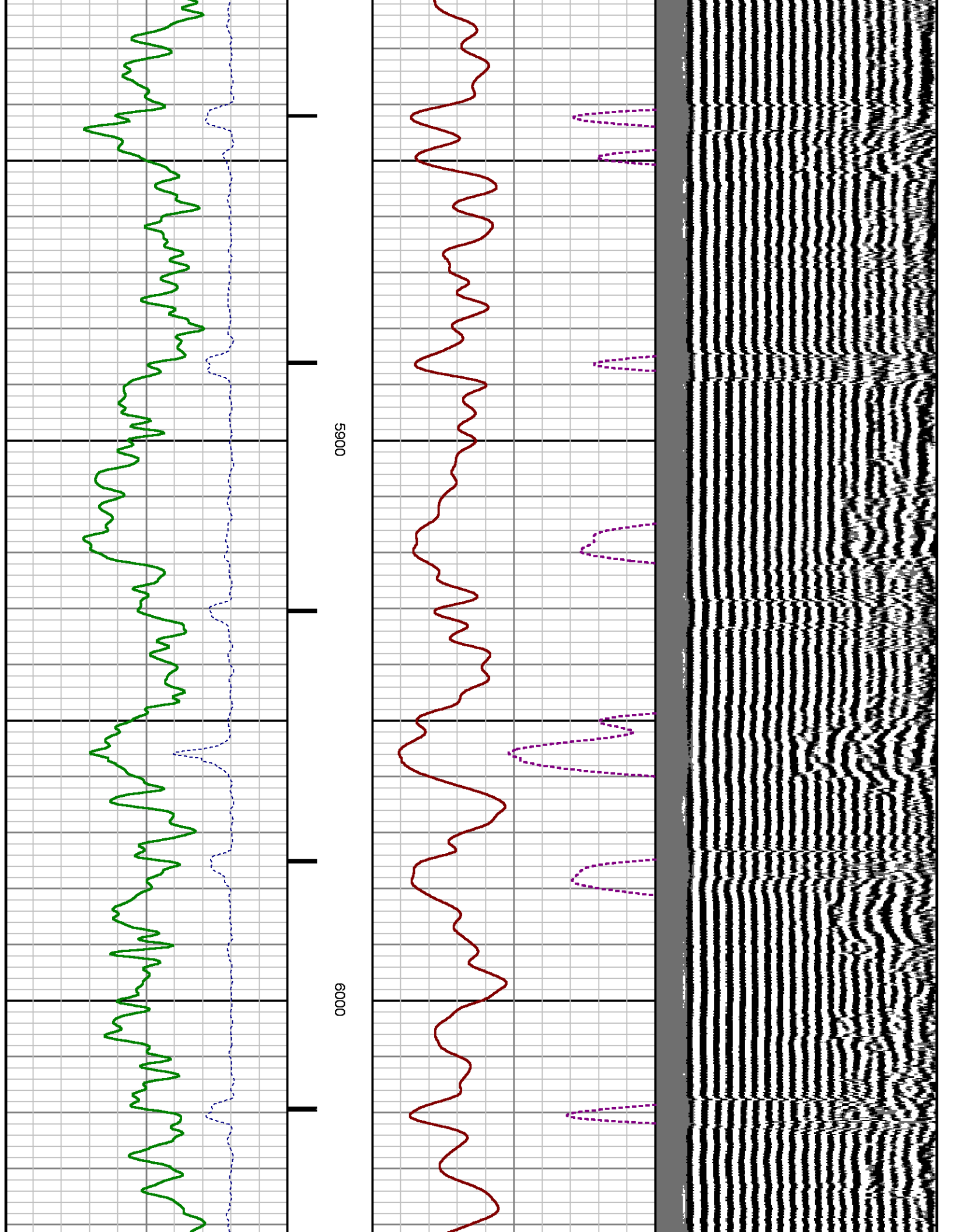
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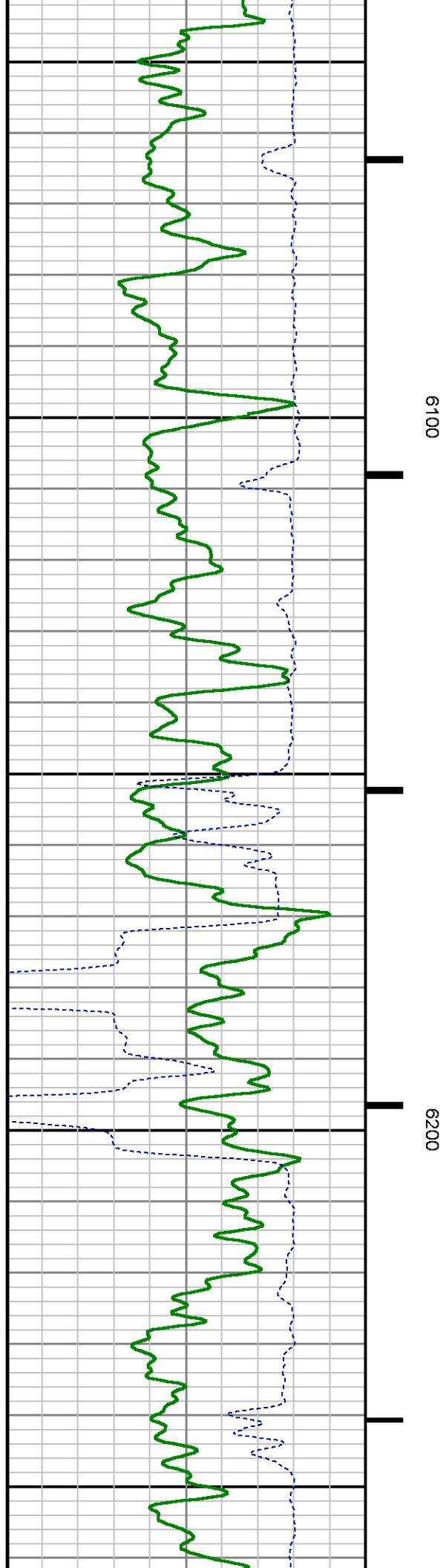
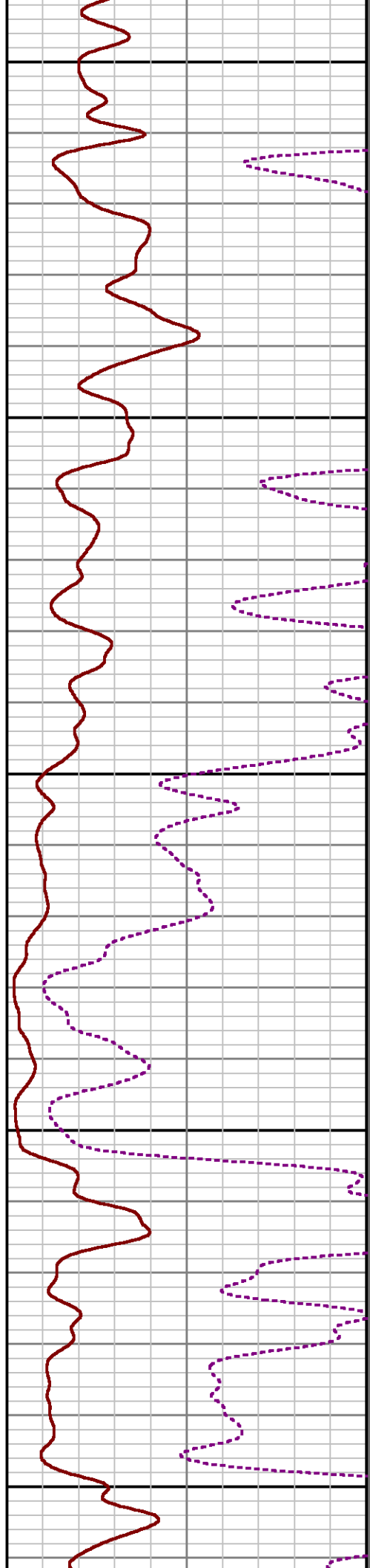
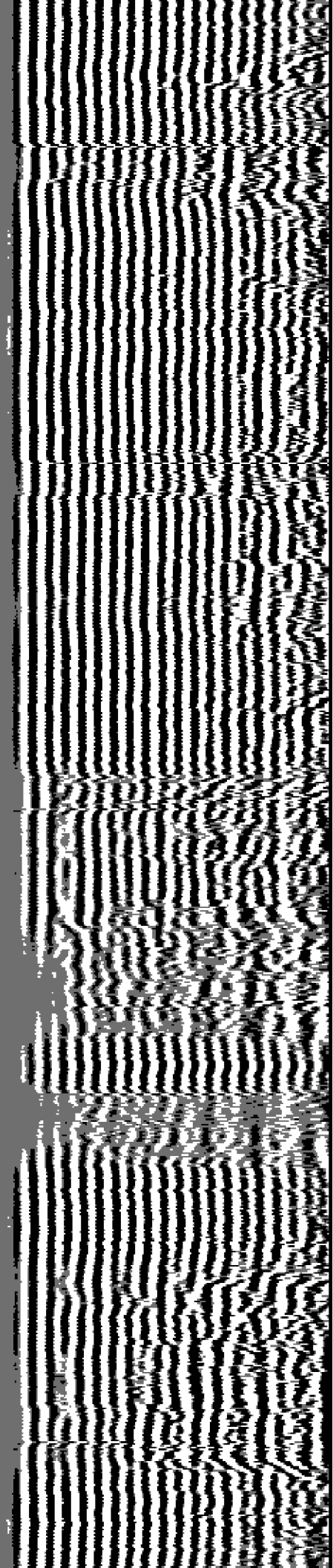


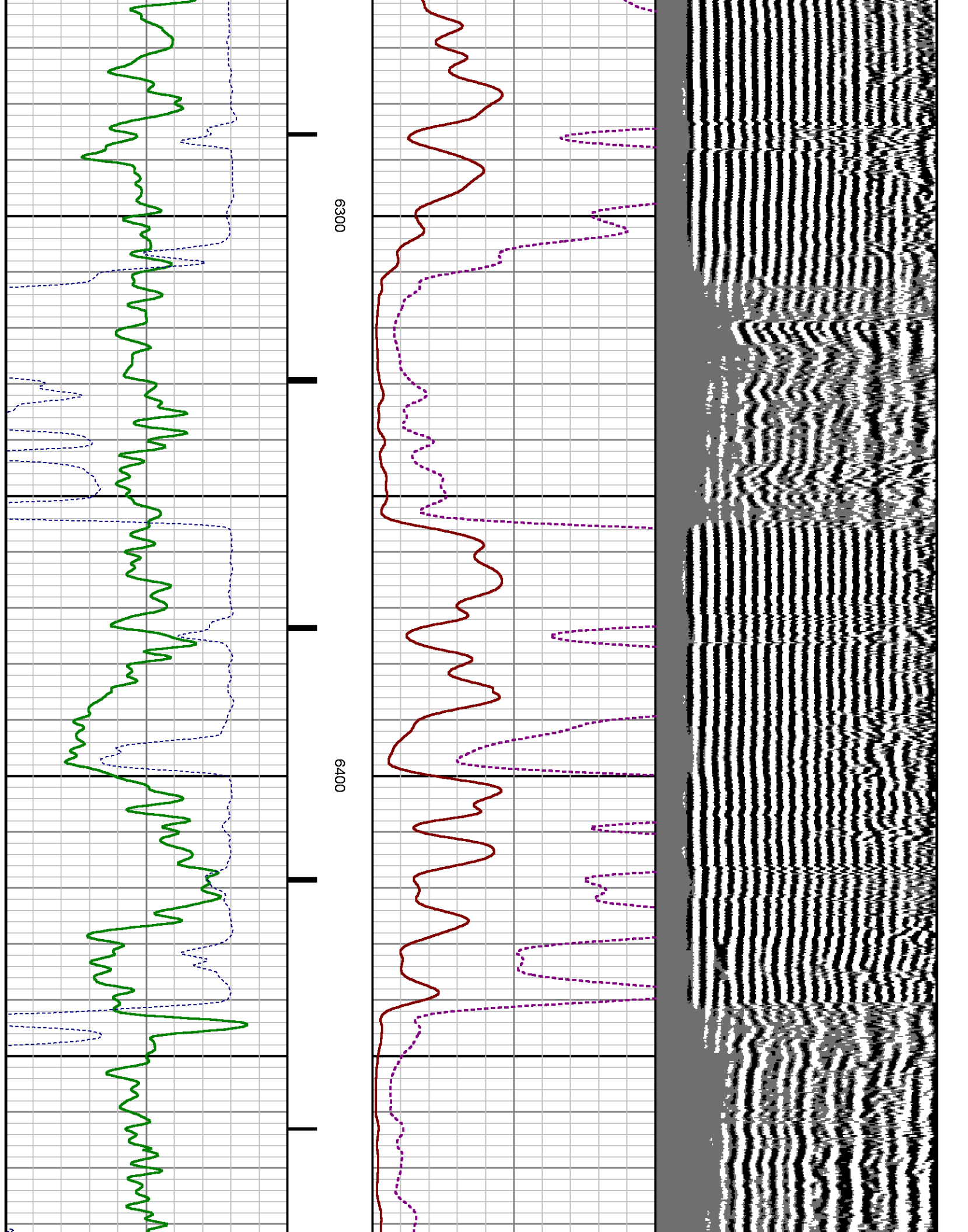


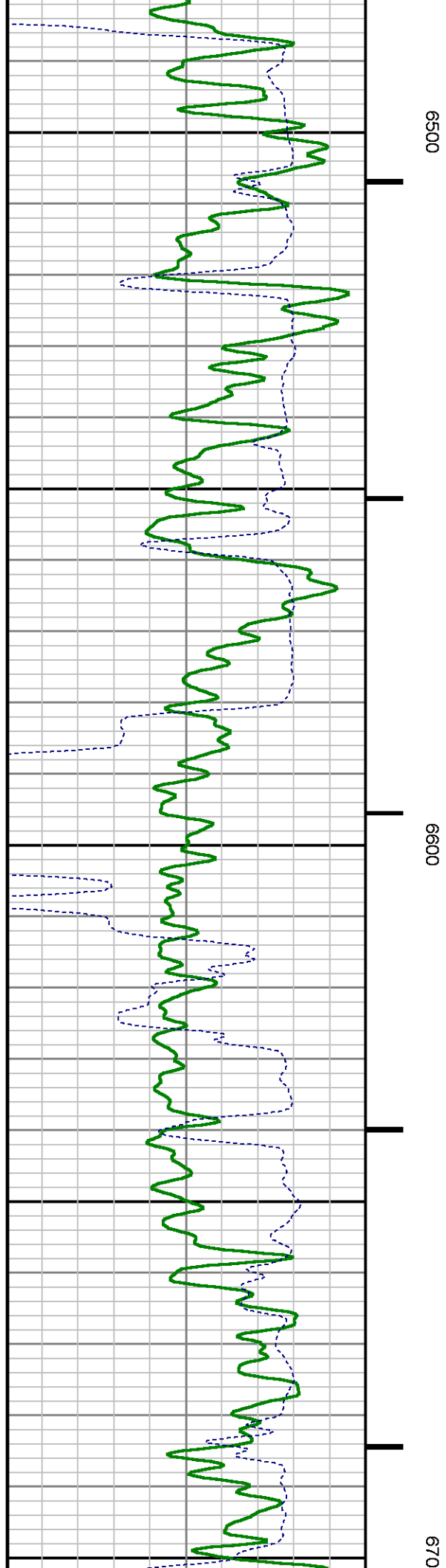
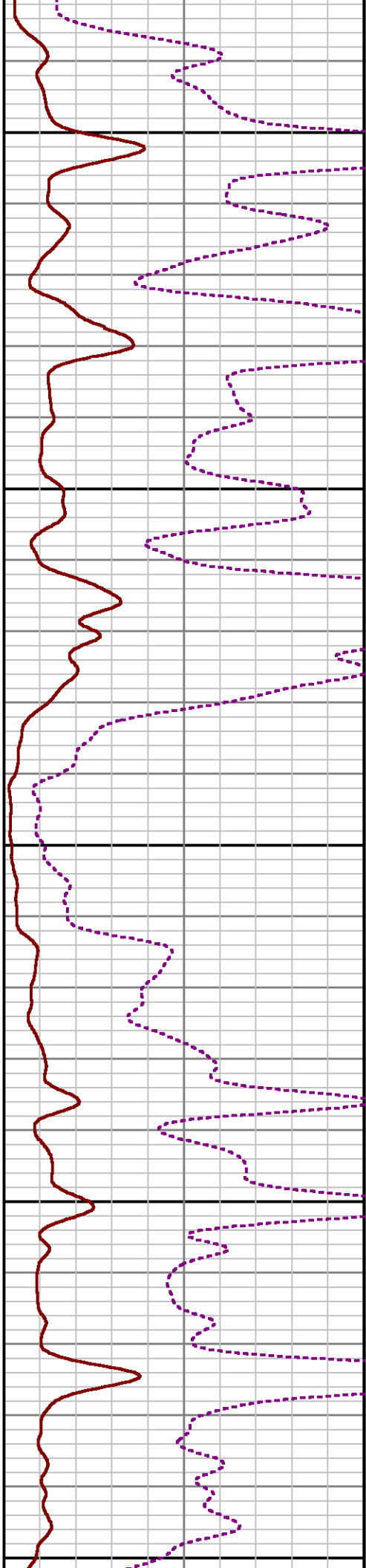
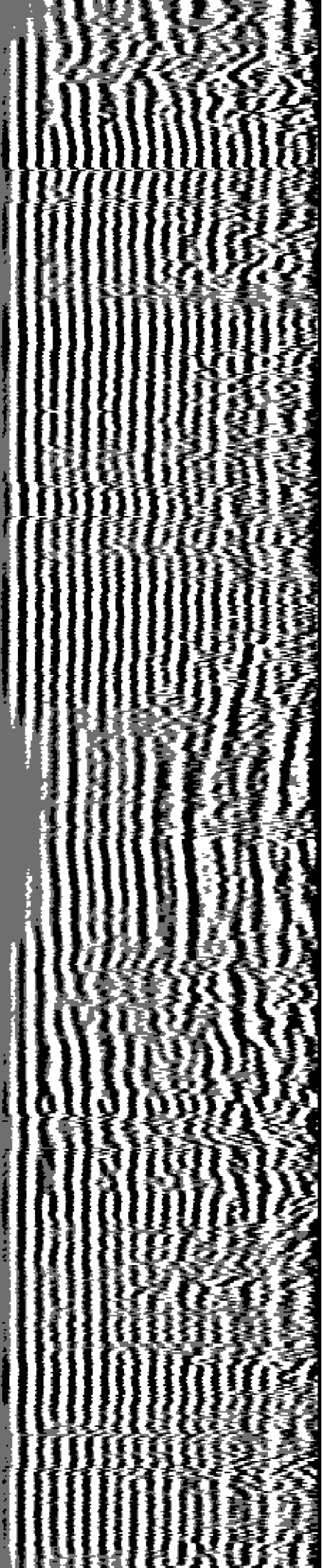


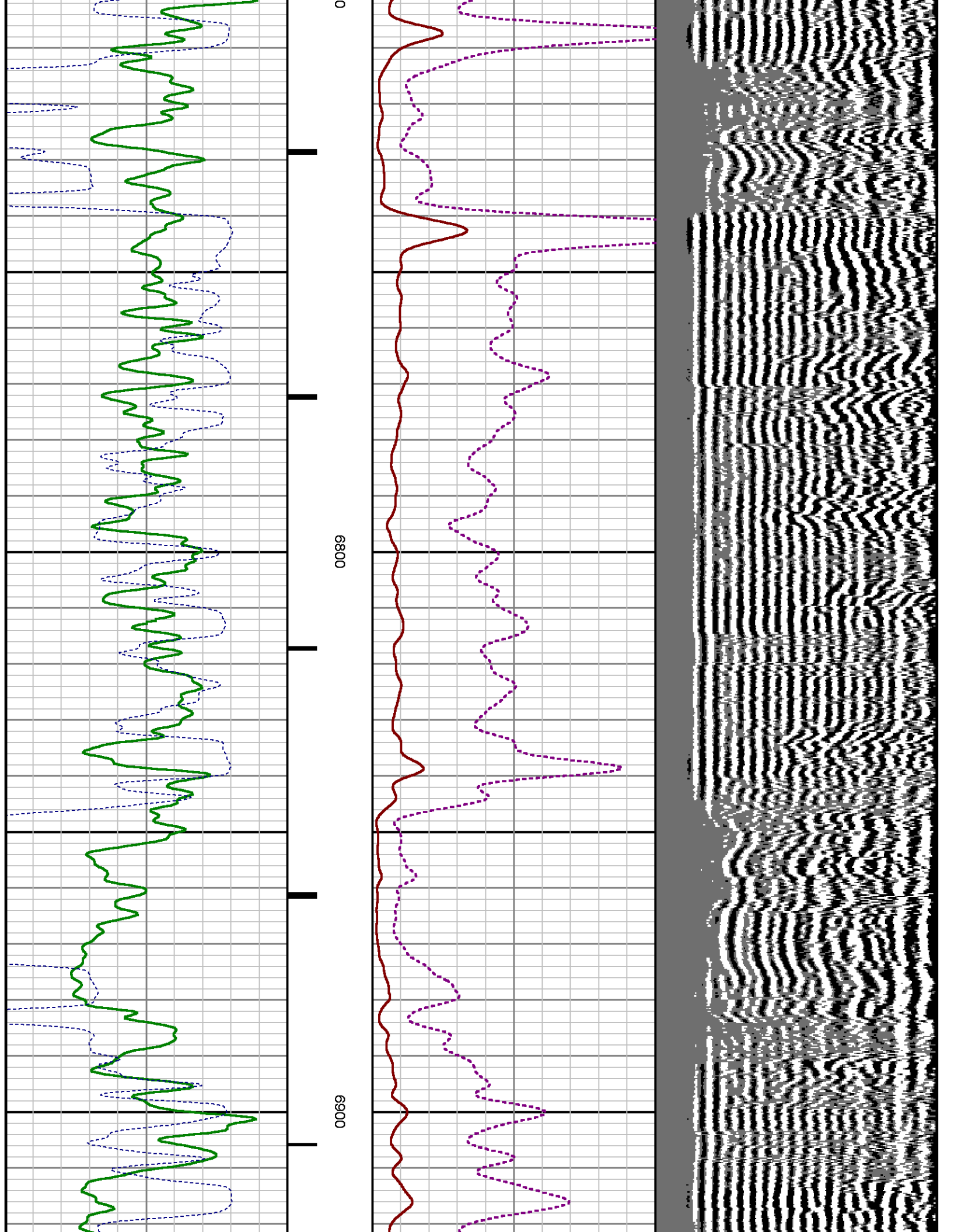


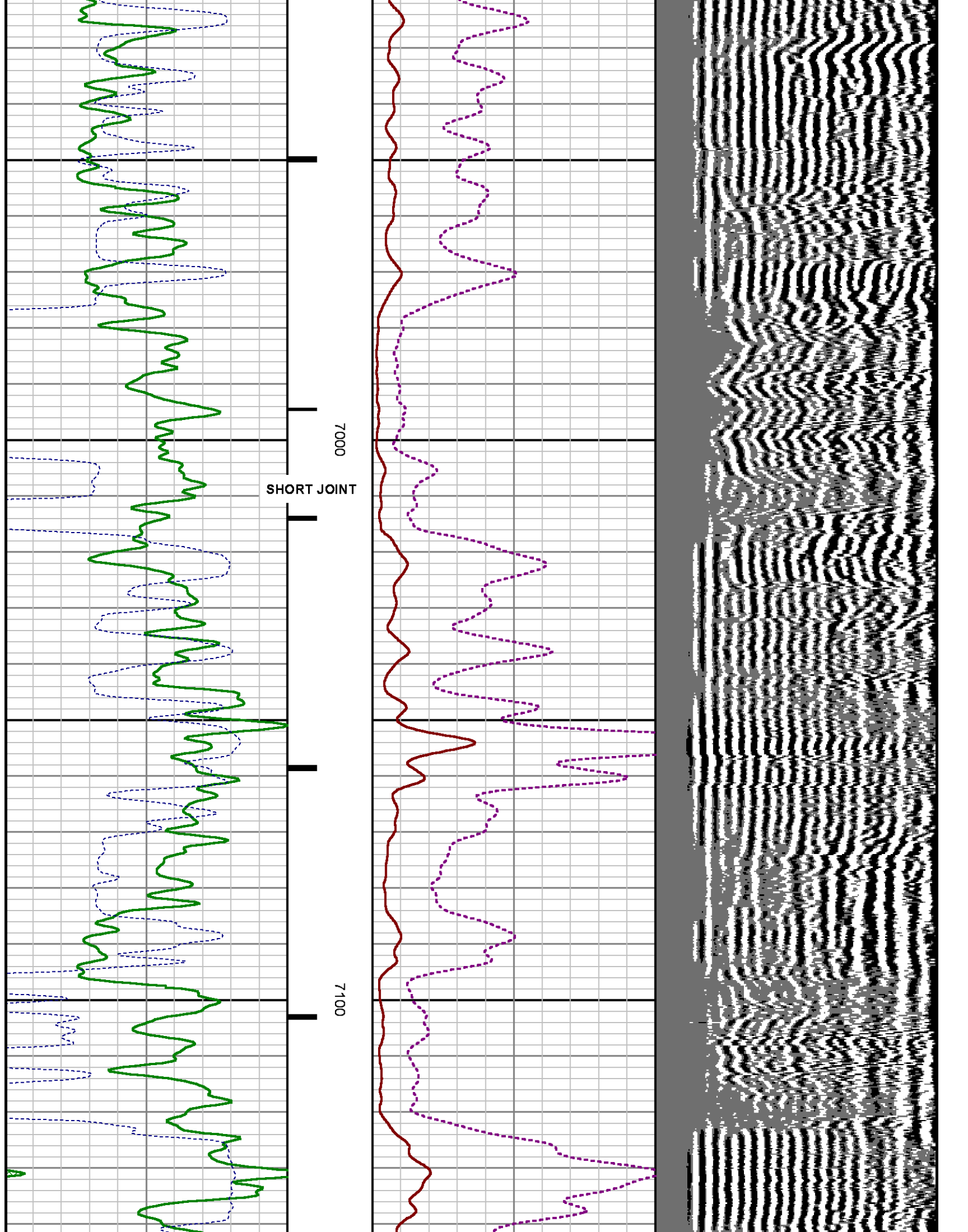


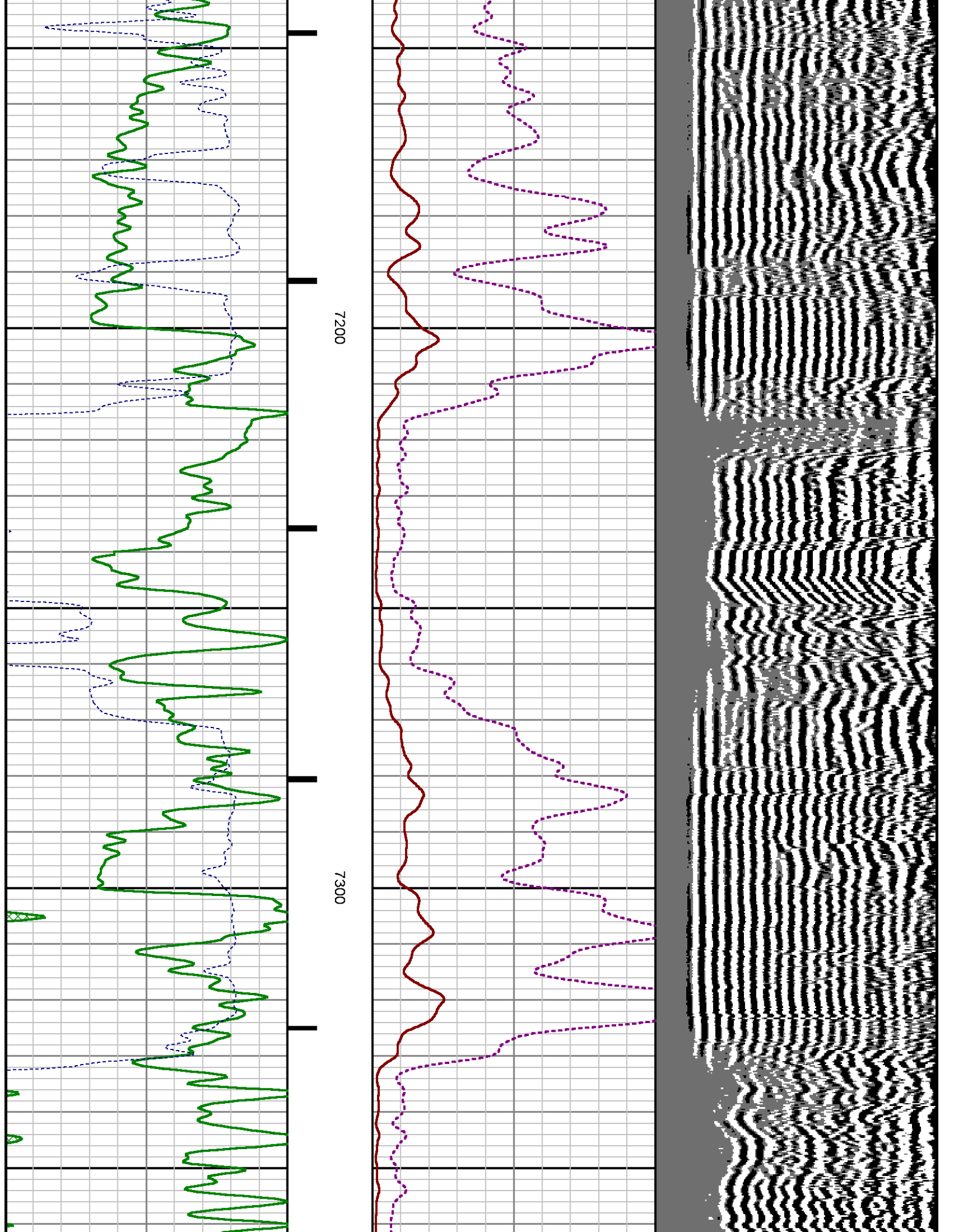


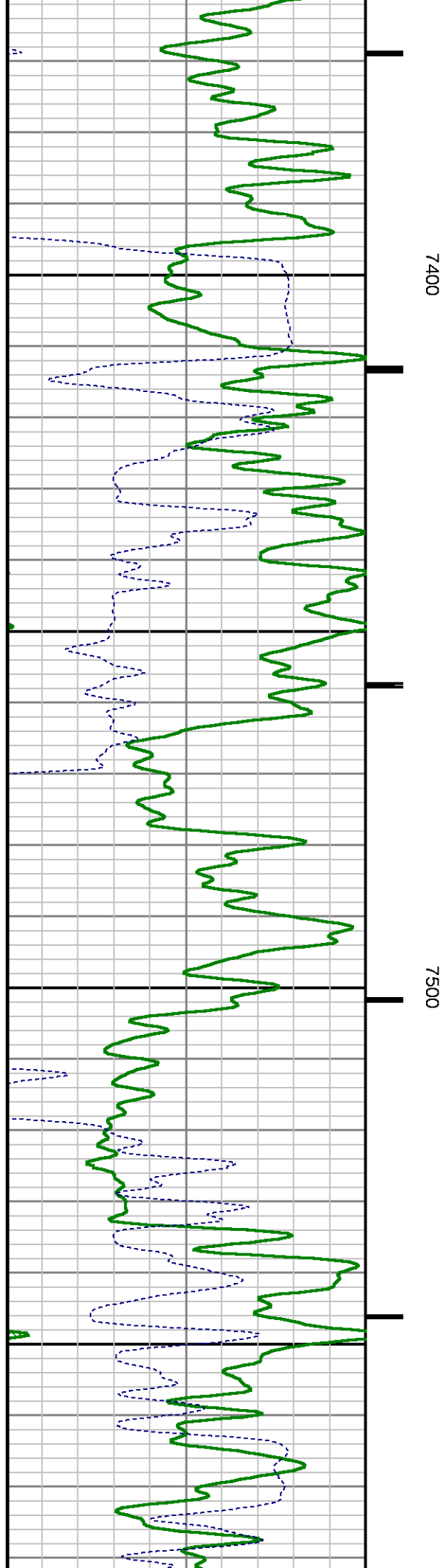
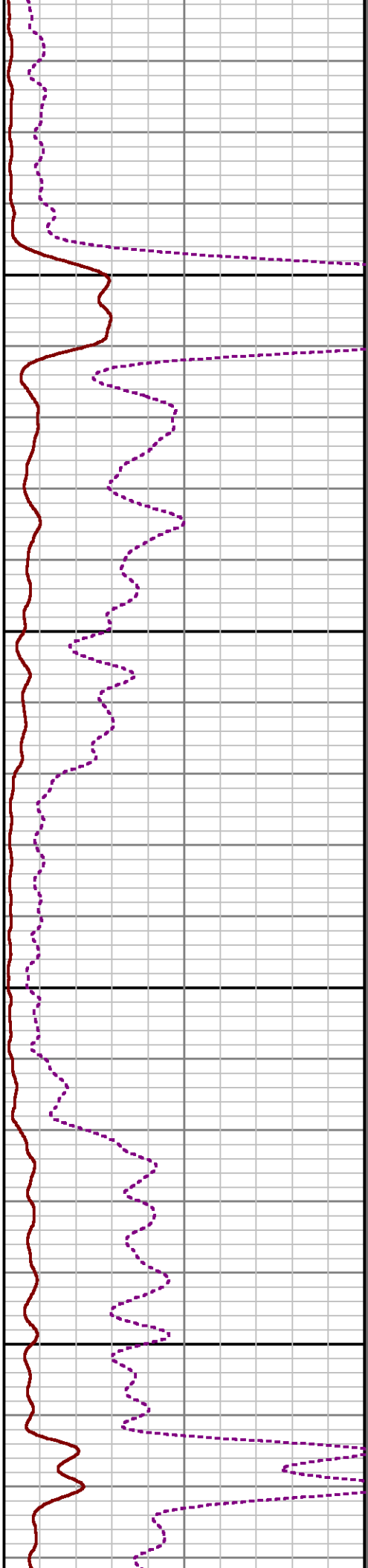
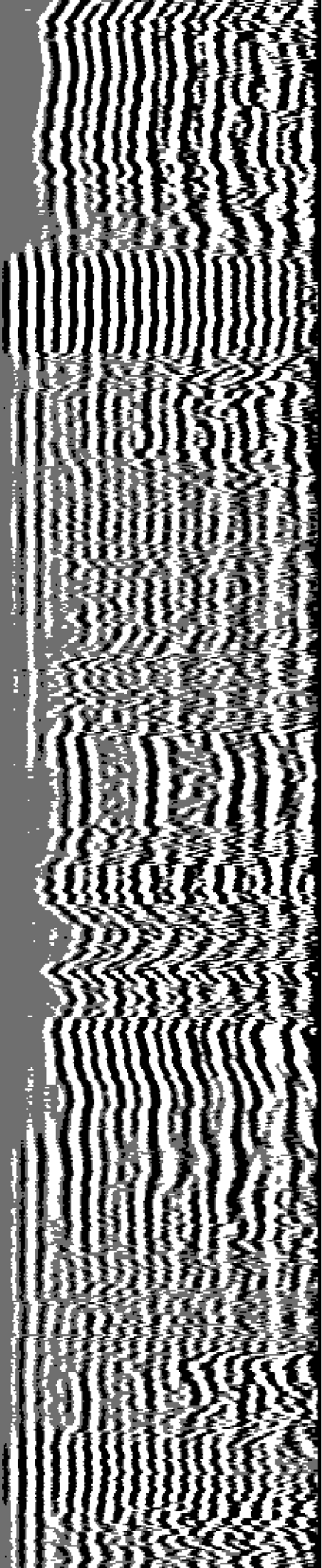


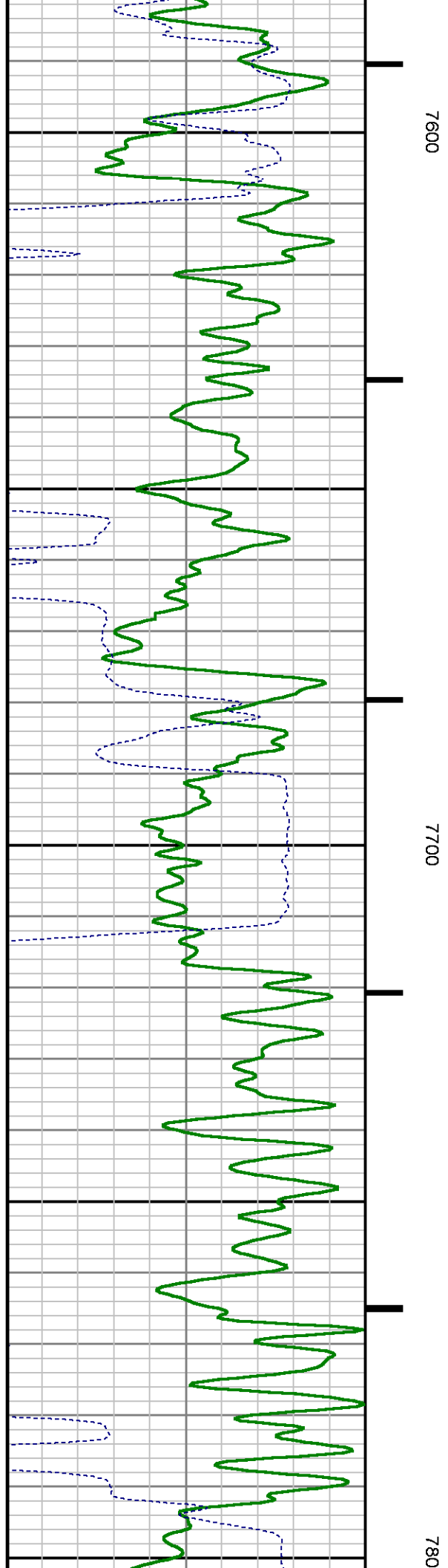
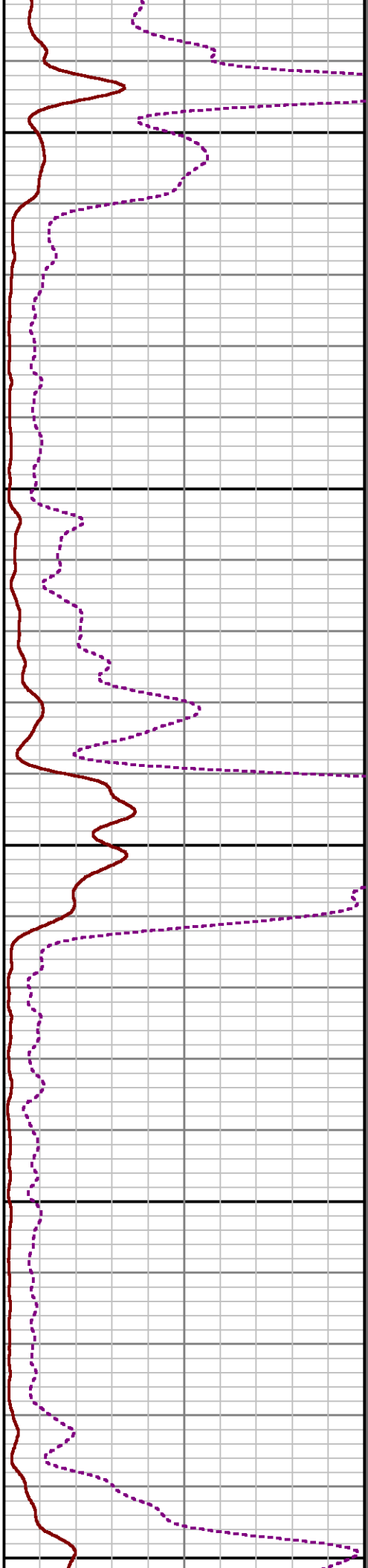
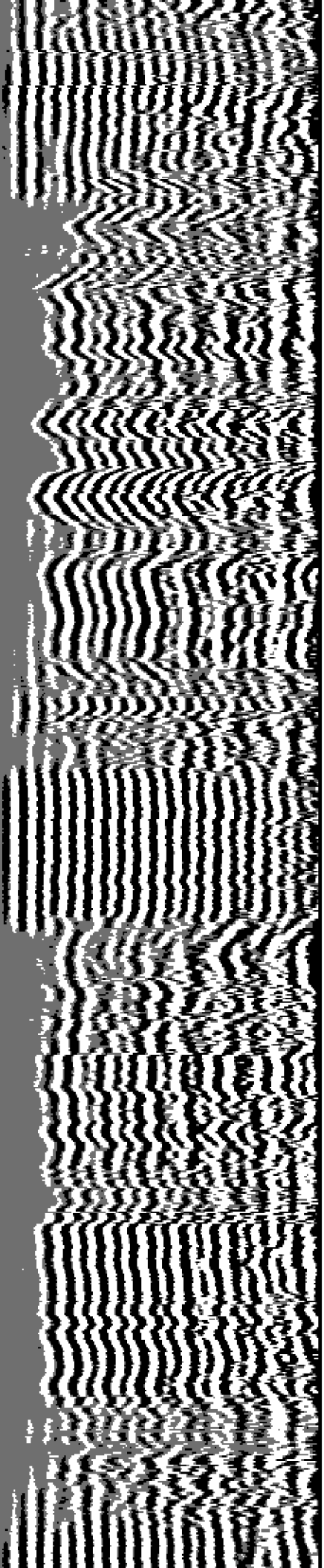


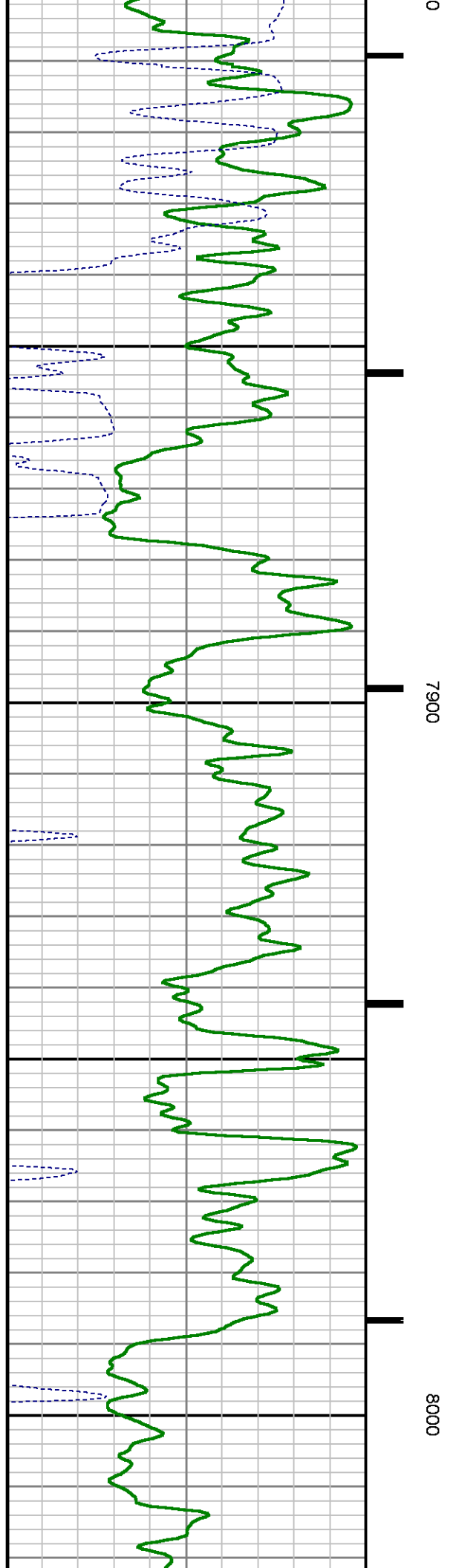
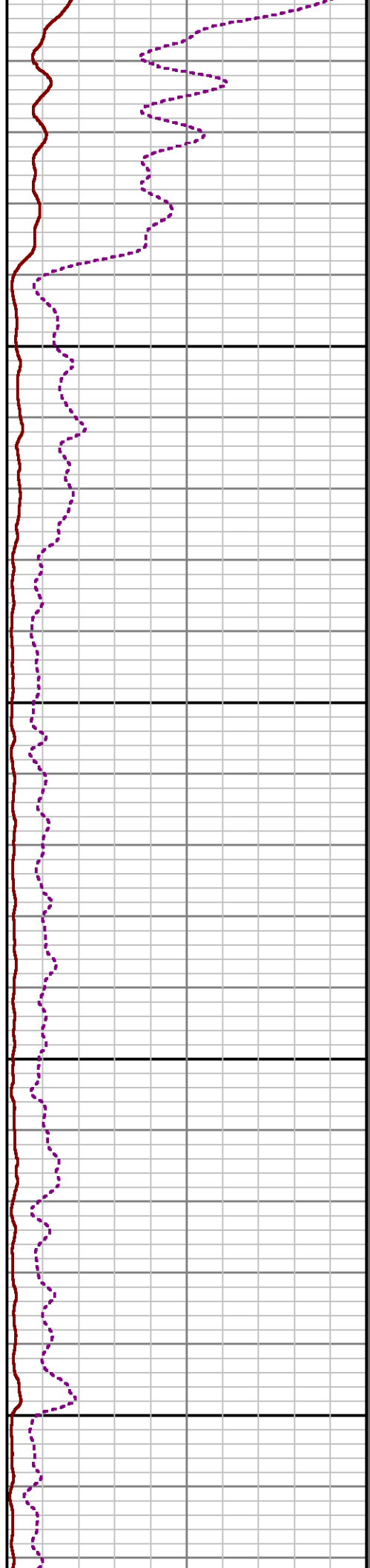
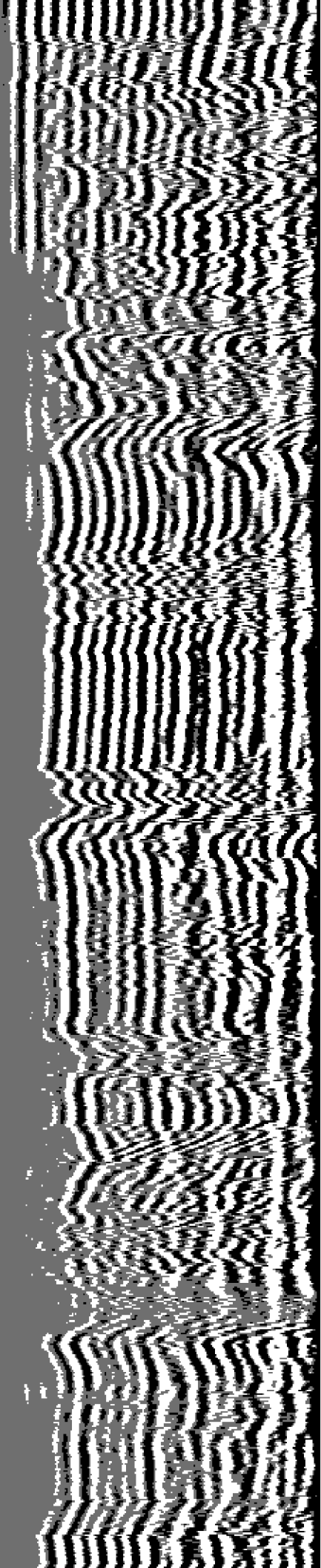


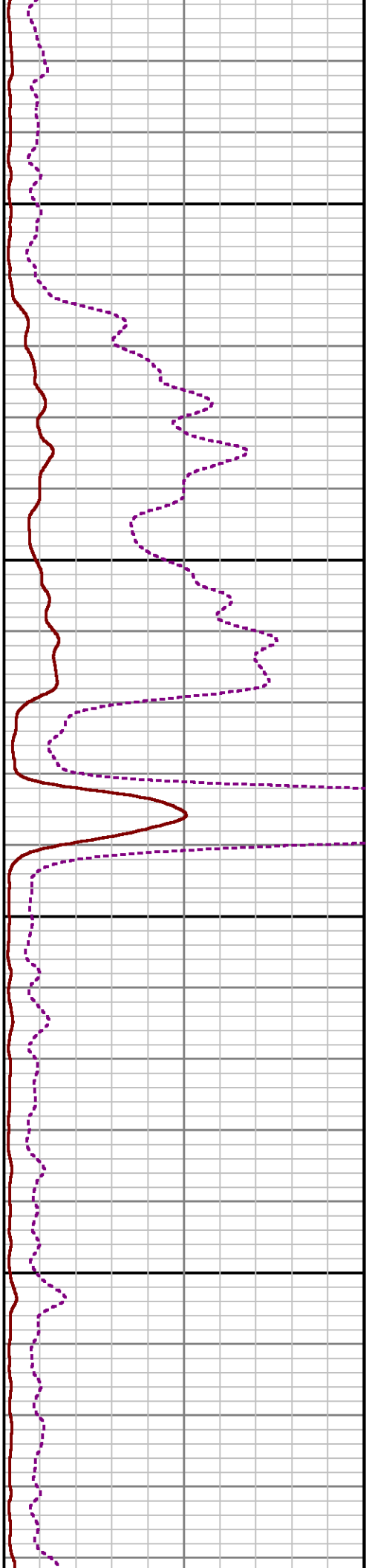
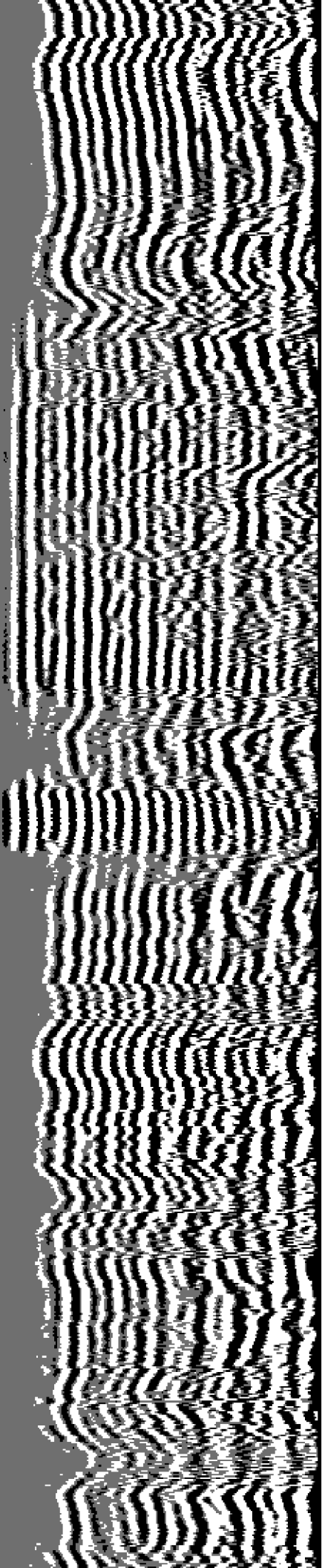






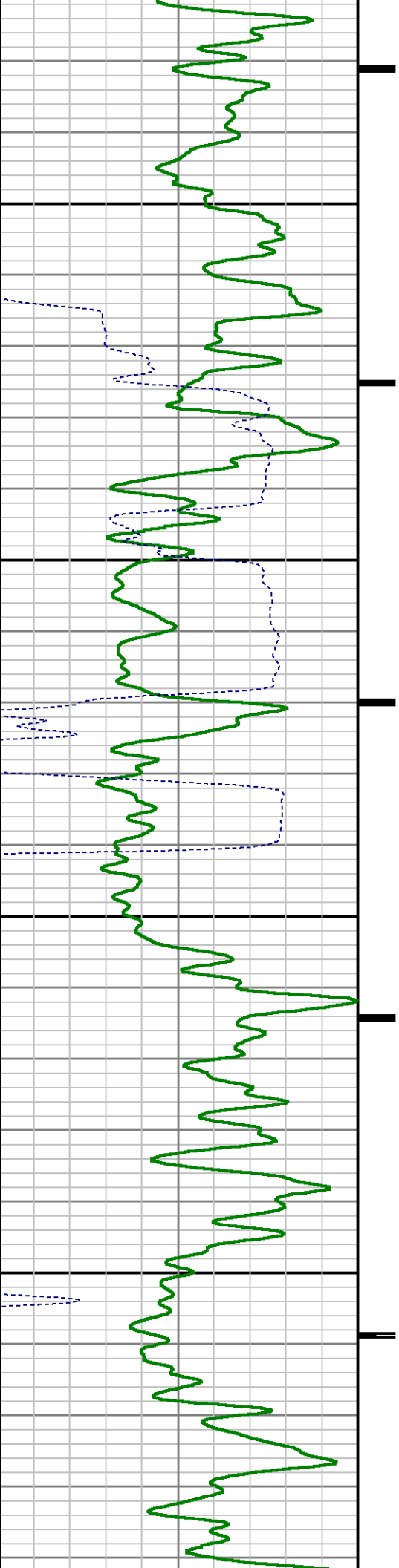


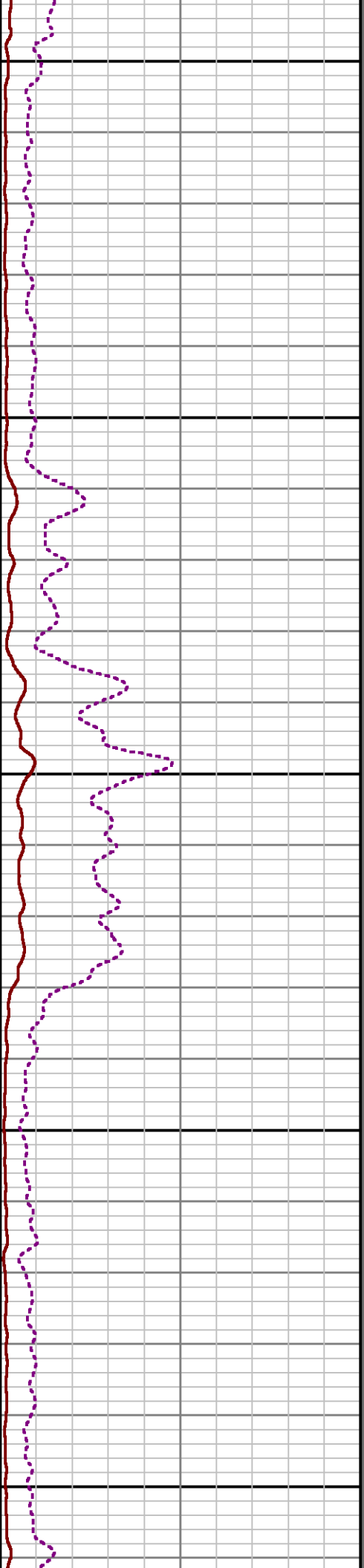
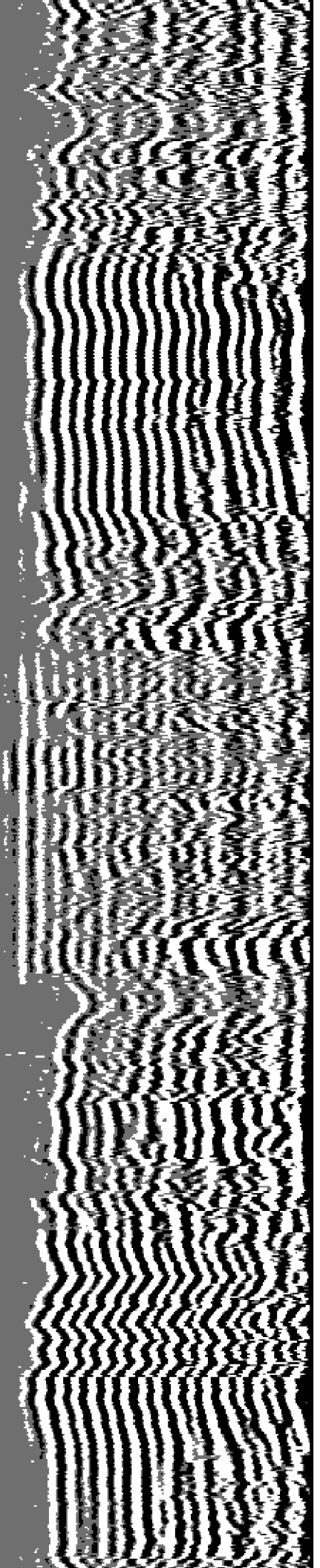




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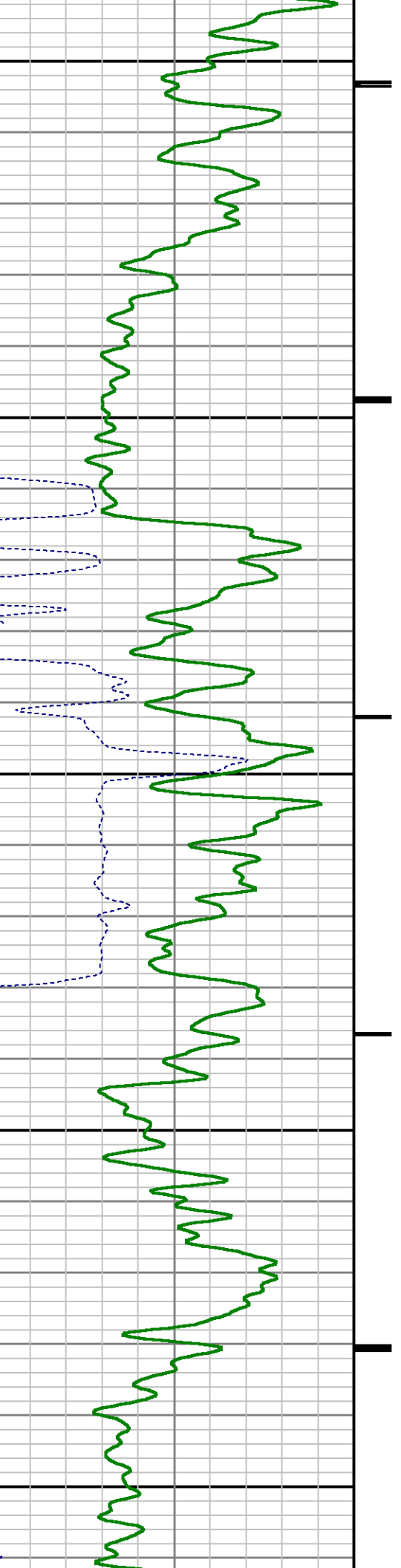
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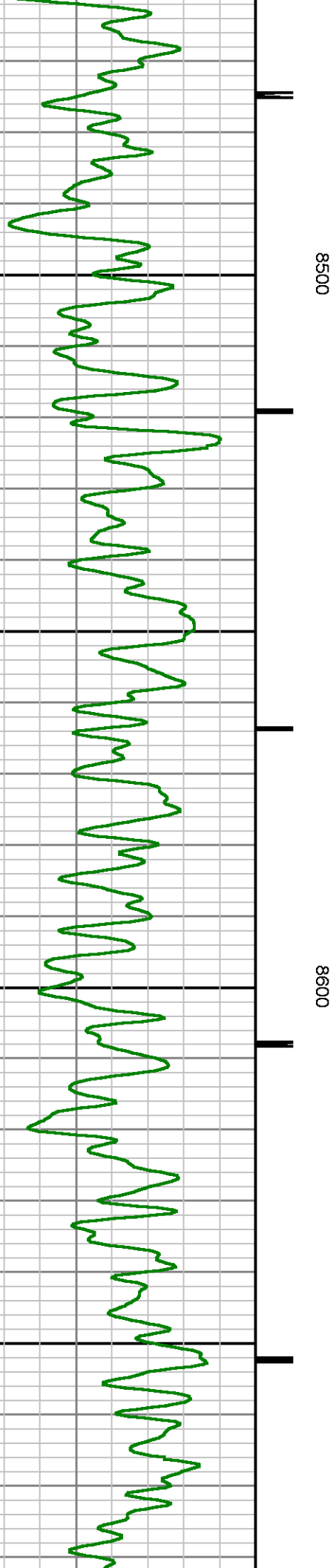
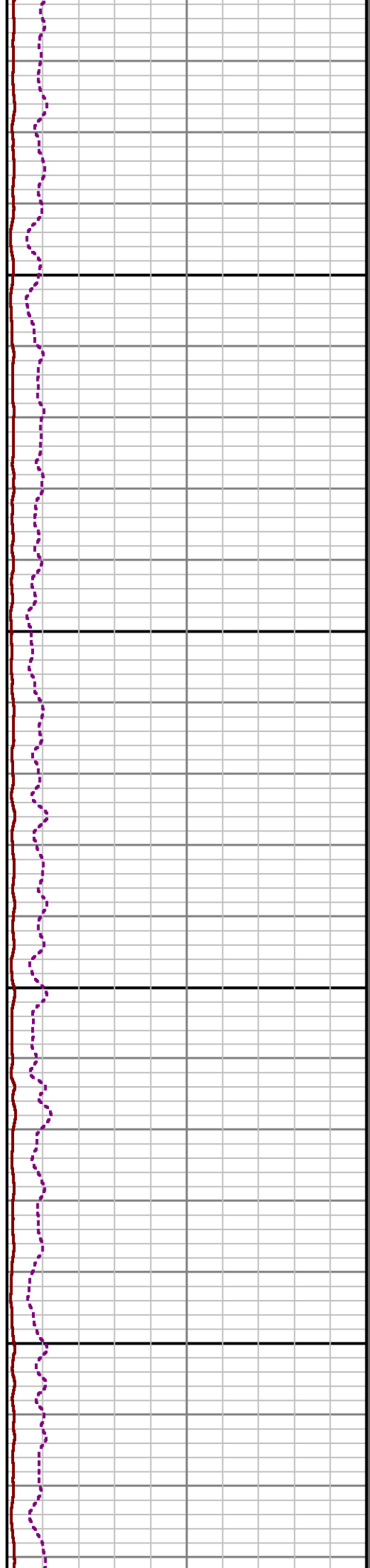
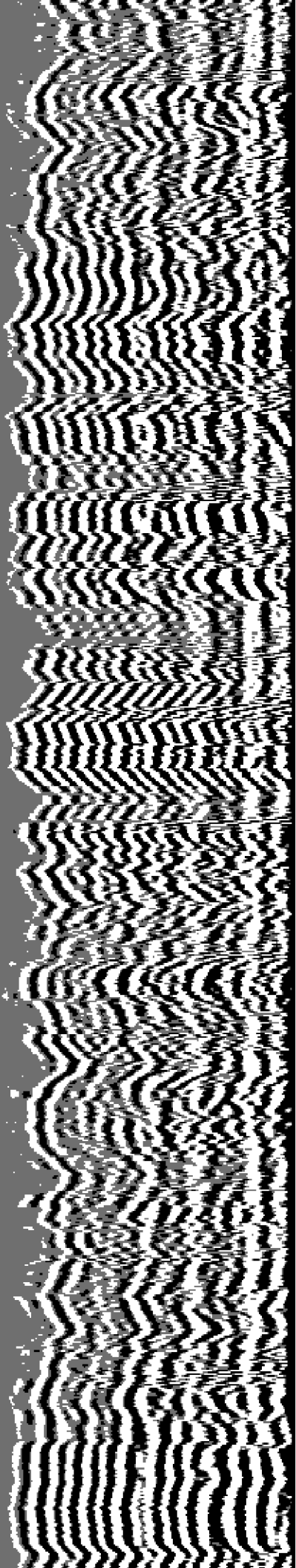


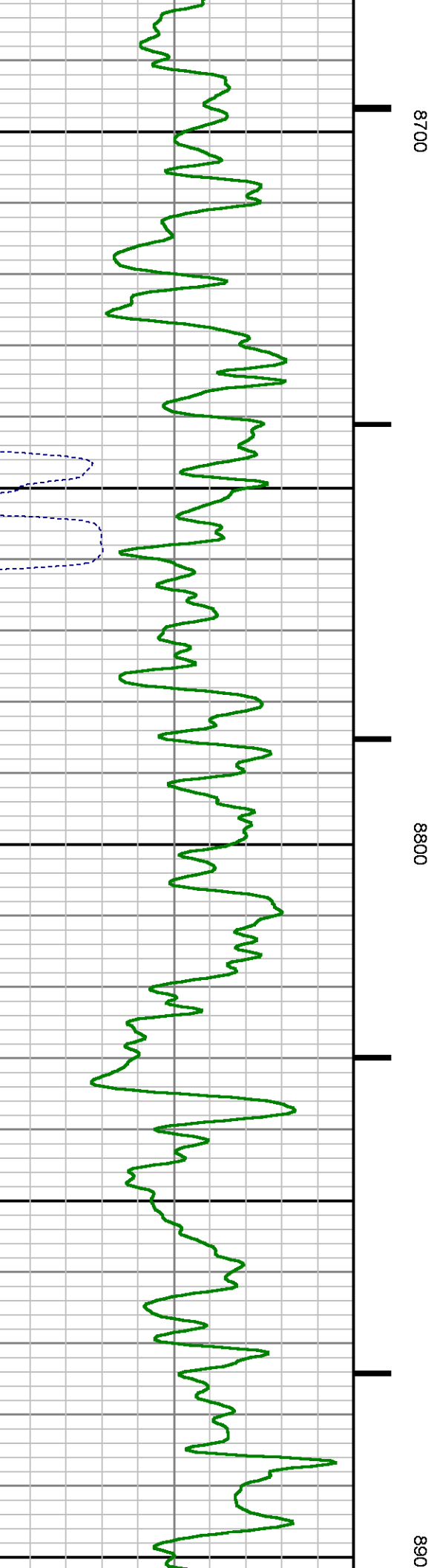
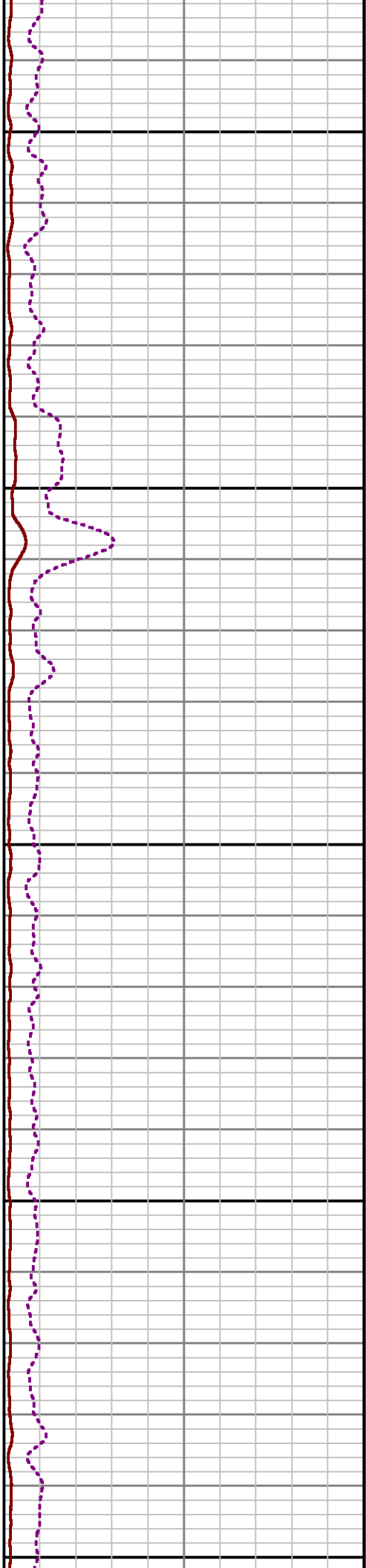
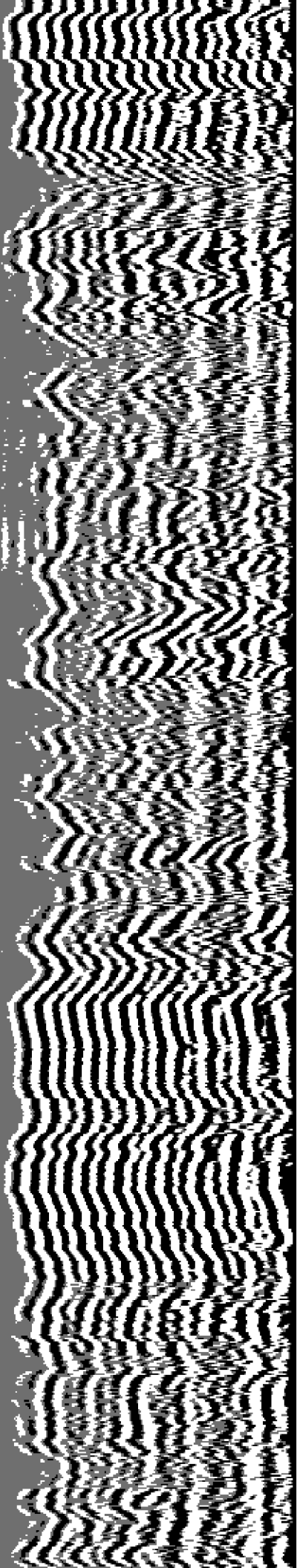


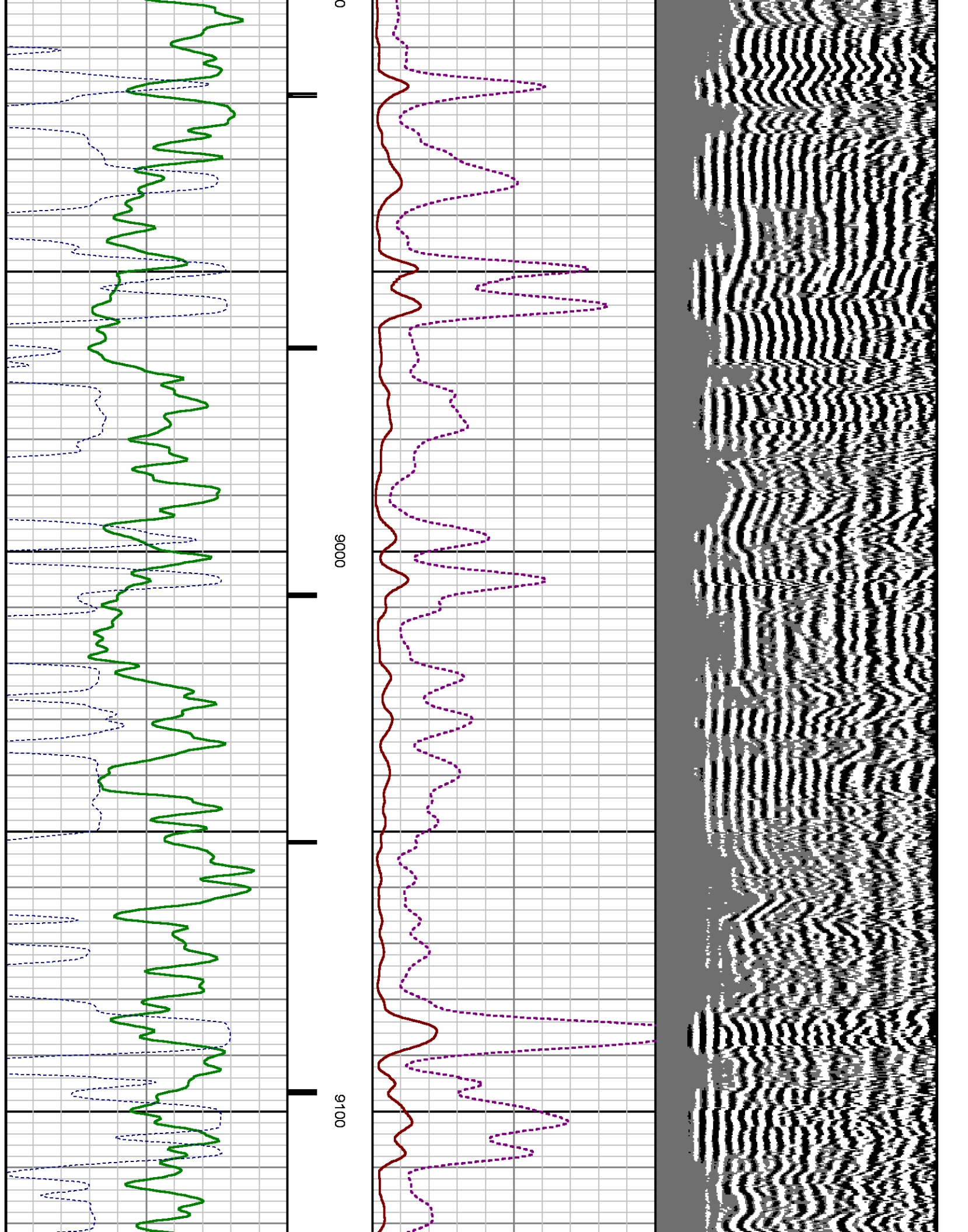
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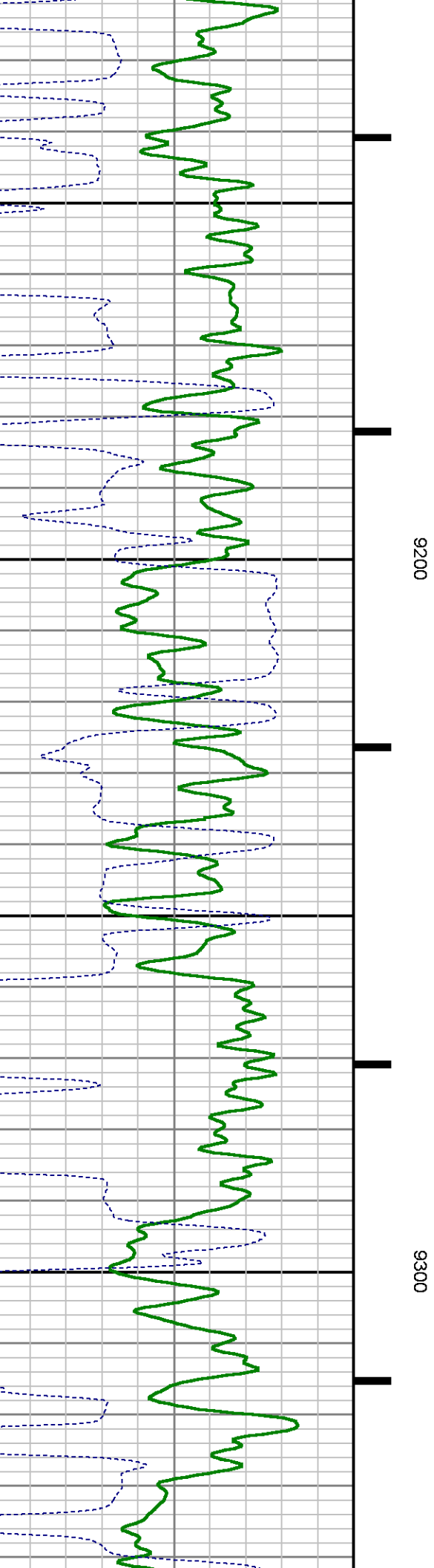
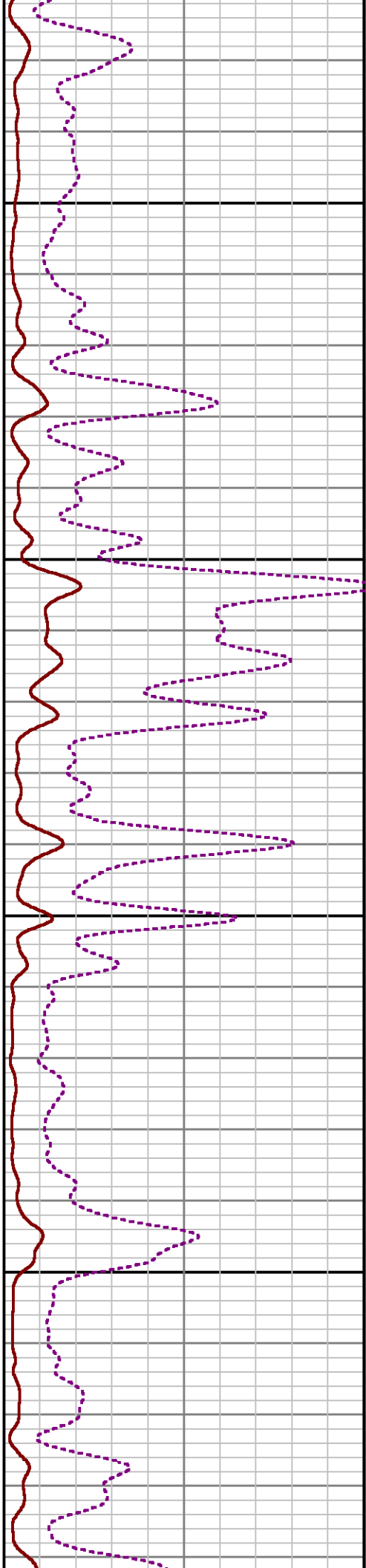
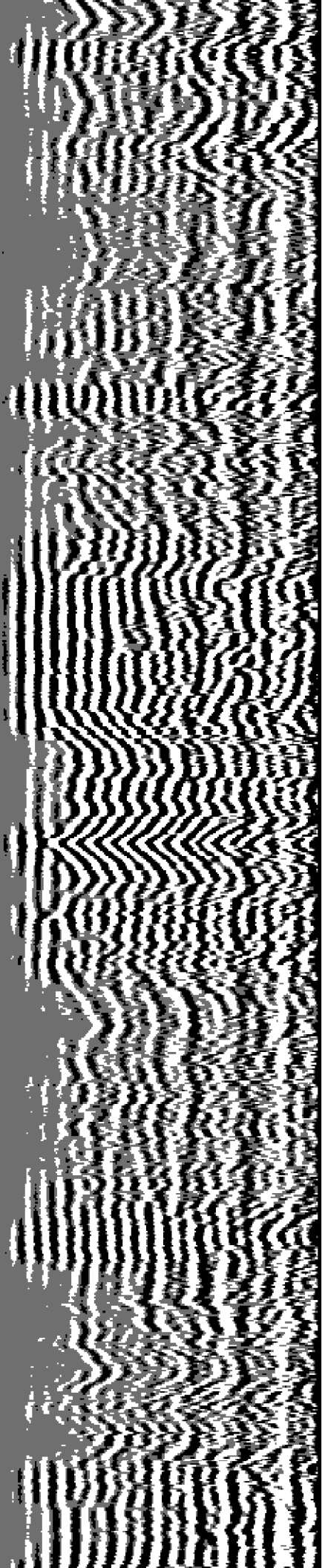
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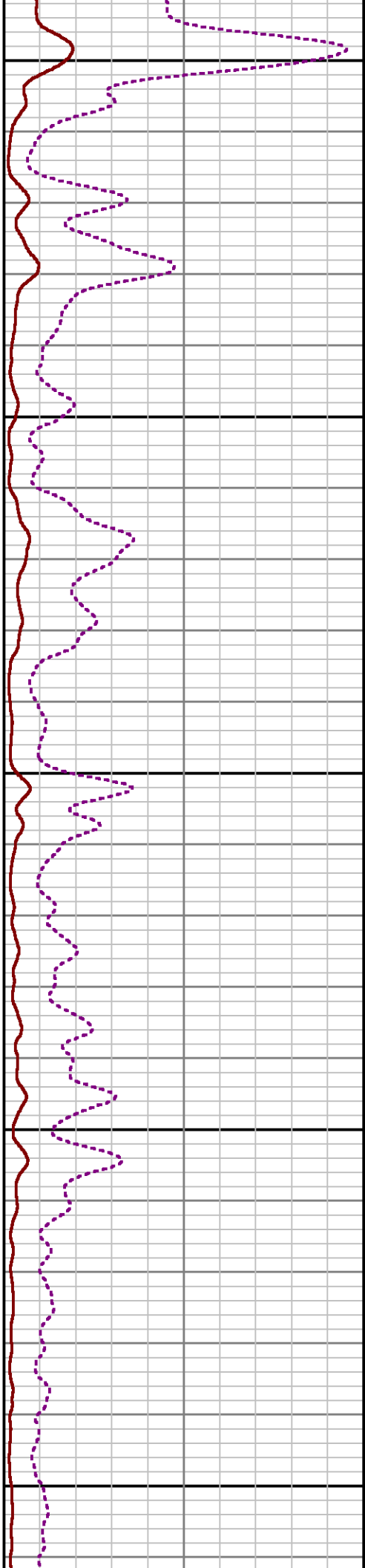
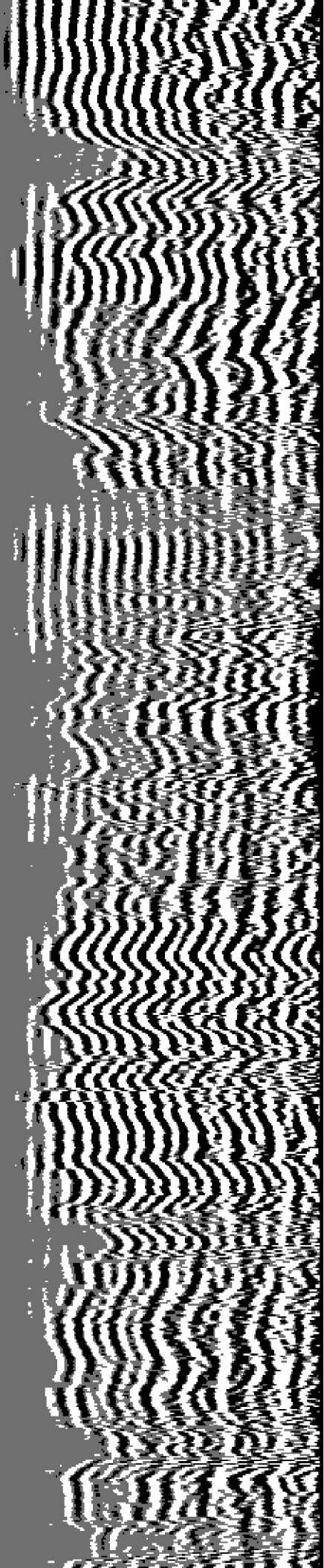






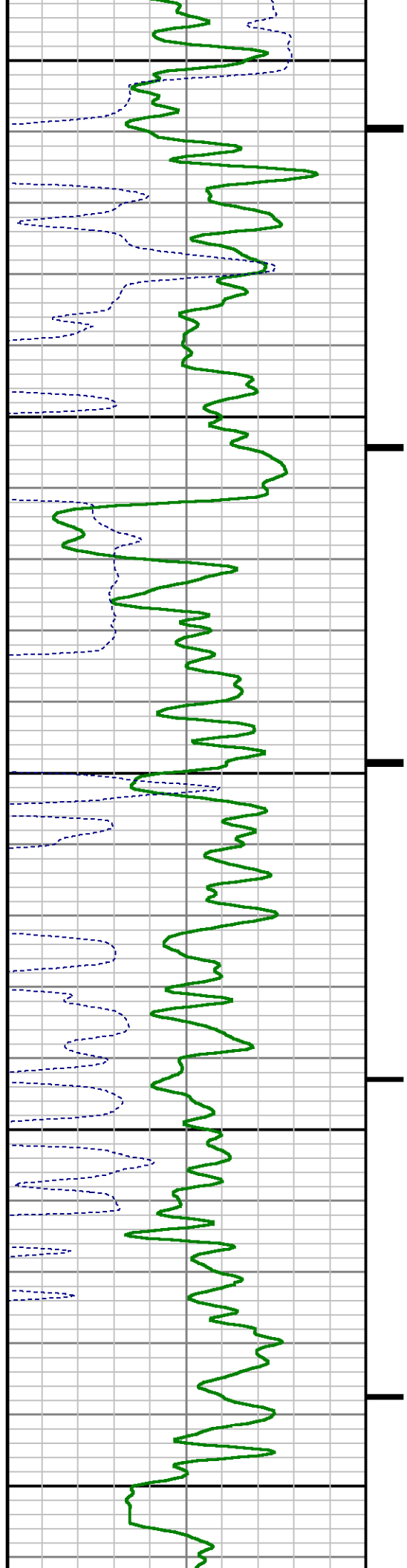


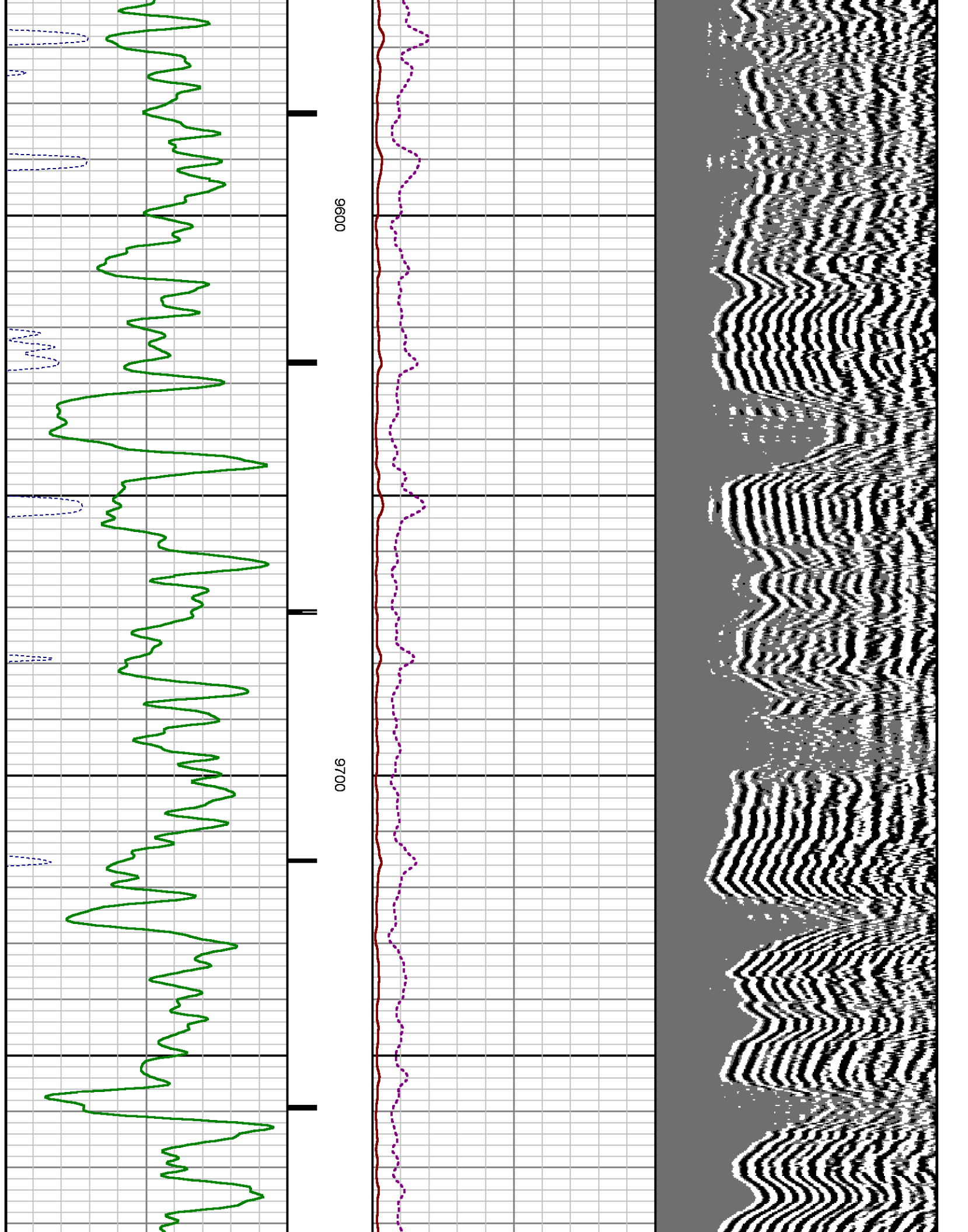


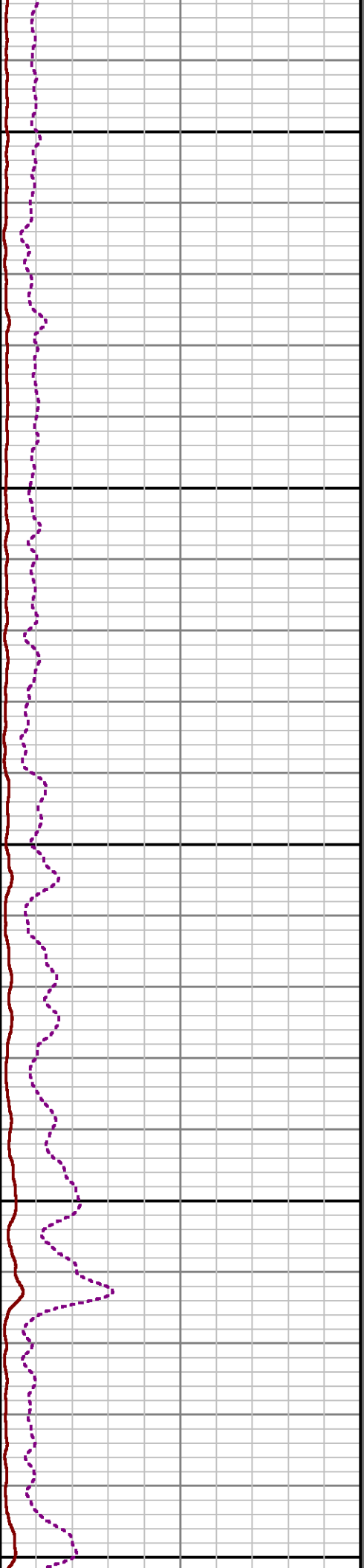
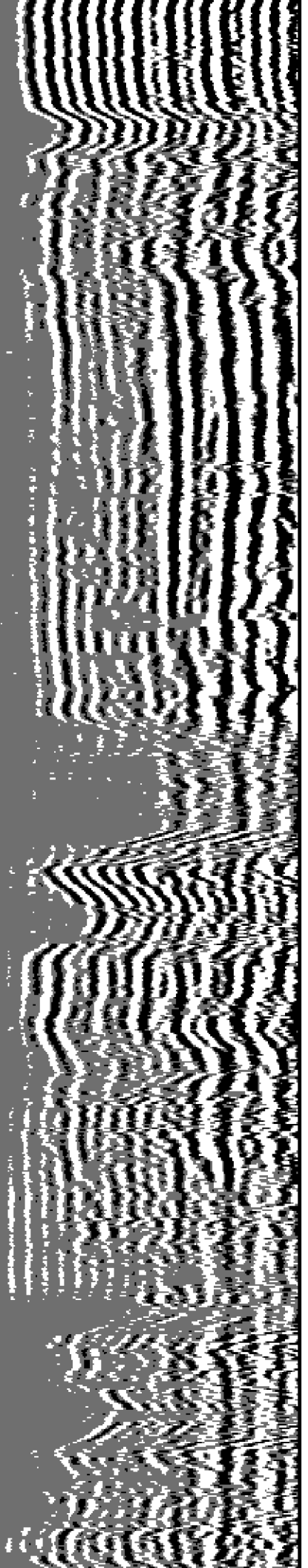


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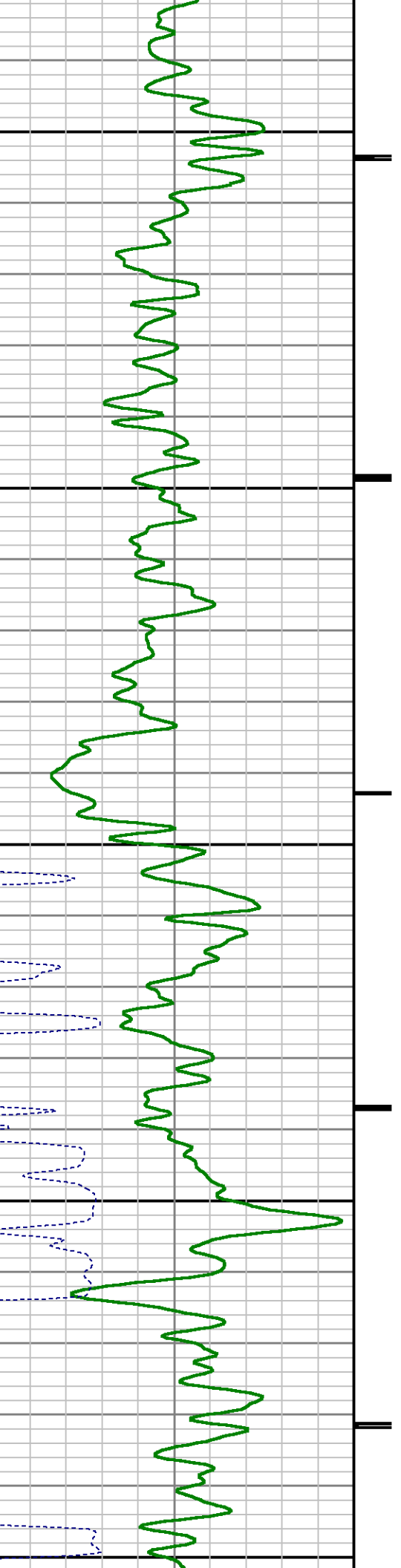


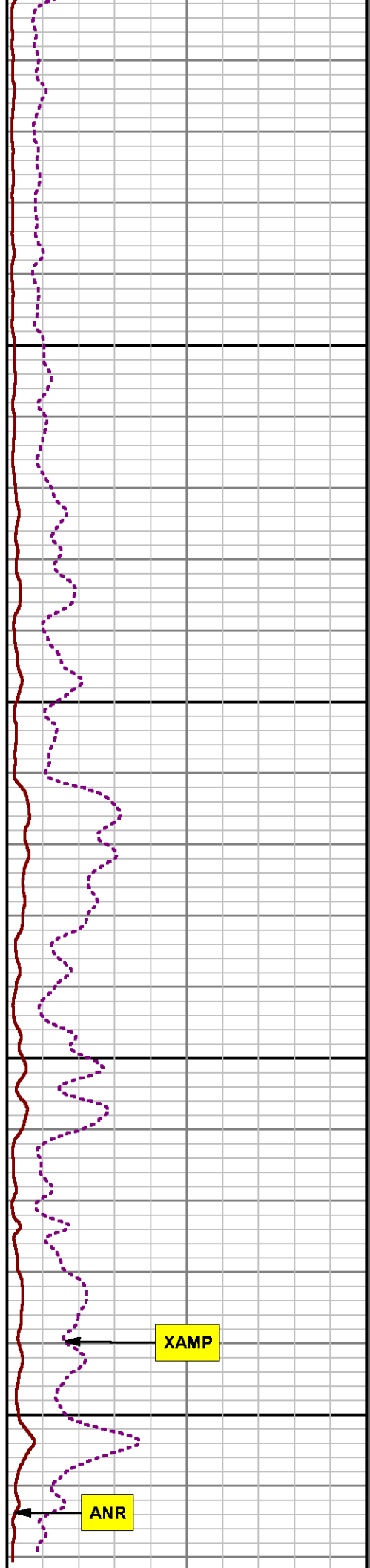
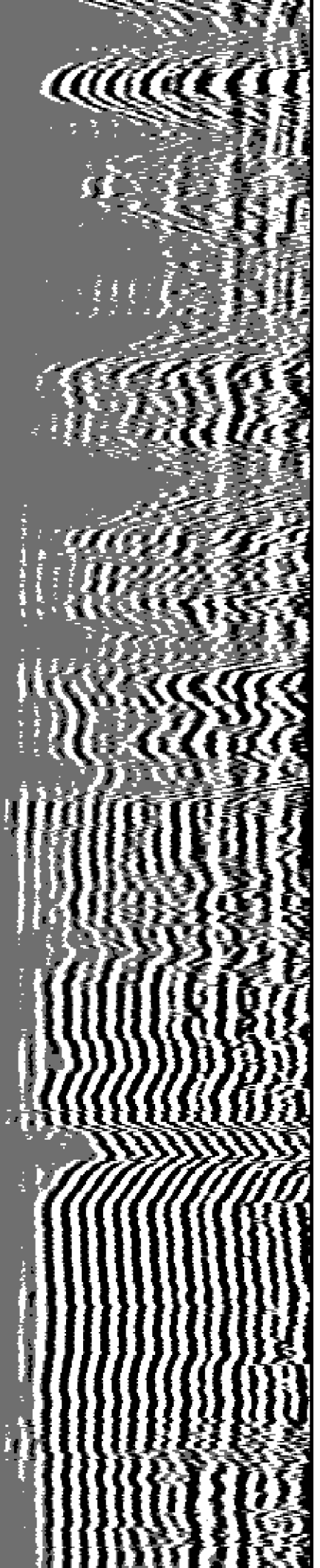


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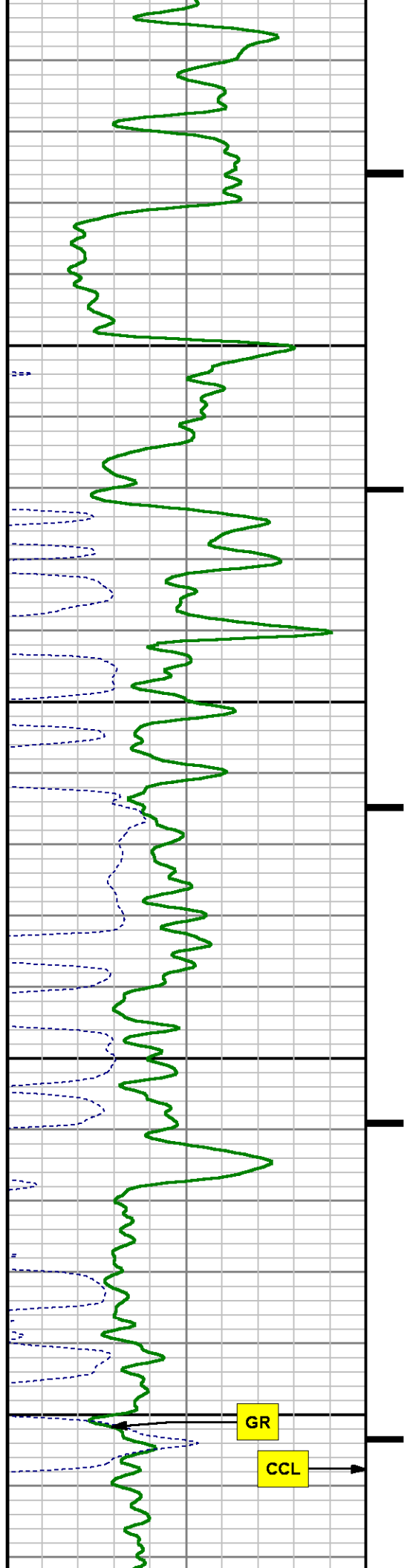
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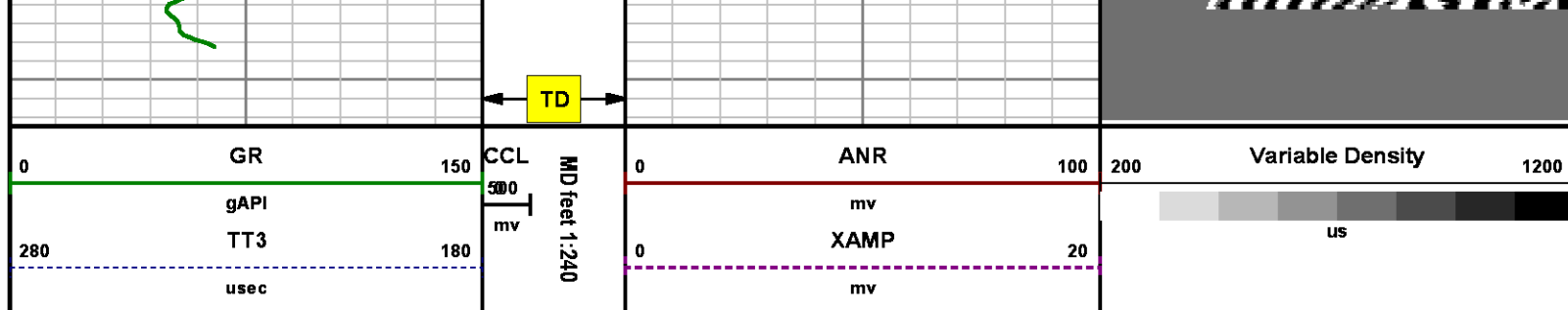
ANR

10100 10200

GR

CCL





SECONDARY PRESENTATION O PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	u sec	27.075	6298.000
RAL	Amp Gate Start Near	195.000	u sec	27.075	6298.000
RAL	Amp Gate Start Radial	195.000	u sec	27.075	6298.000
RAL	Amp Gate Width Far	25.000	u sec	27.075	6298.000
RAL	Amp Gate Width Near	25.000	u sec	27.075	6298.000
RAL	Amp Gate Width Radial	25.000	u sec	27.075	6298.000
RAL	casing od	4.500	inches	27.075	6298.000
RAL	casing wt	11.600	lbm/ft	27.075	6298.000
RAL	FB Start Far	291.900	u sec	27.075	6298.000
RAL	FB Start Near	180.000	u sec	27.075	6298.000
RAL	FB Start Radial	180.000	u sec	27.075	6298.000
RAL	FB Thresh Far	15.000	mv	27.075	6298.000
RAL	FB Thresh Near	10.000	mv	27.075	6298.000
RAL	FB Thresh Radial	10.000	mv	27.075	6298.000
RAL	Fluid Travel Time	200.000	u sec/ft	27.075	6298.000
RAL	Amp Gate Start Far	305.000	u sec	6298.000	6458.000
RAL	Amp Gate Start Near	195.000	u sec	6298.000	6458.000
RAL	Amp Gate Start Radial	195.000	u sec	6298.000	6458.000
RAL	Amp Gate Width Far	25.000	u sec	6298.000	6458.000
RAL	Amp Gate Width Near	25.000	u sec	6298.000	6458.000
RAL	Amp Gate Width Radial	25.000	u sec	6298.000	6458.000
RAL	casing od	4.500	inches	6298.000	6458.000
RAL	casing wt	11.600	lbm/ft	6298.000	6458.000
RAL	FB Start Far	291.900	u sec	6298.000	6458.000
RAL	FB Start Near	180.000	u sec	6298.000	6458.000
RAL	FB Start Radial	180.000	u sec	6298.000	6458.000
RAL	FB Thresh Far	15.000	mv	6298.000	6458.000
RAL	FB Thresh Near	10.000	mv	6298.000	6458.000

RAL	FB Thresh Radial	10.000	mv	6298.000	6458.000
RAL	Fluid Travel Time	200.000	usec/ft	6298.000	6458.000
RAL	Amp Gate Start Far	305.000	usec	6458.000	6748.000
RAL	Amp Gate Start Near	195.000	usec	6458.000	6748.000
RAL	Amp Gate Start Radial	195.000	usec	6458.000	6748.000
RAL	Amp Gate Width Far	25.000	usec	6458.000	6748.000
RAL	Amp Gate Width Near	25.000	usec	6458.000	6748.000
RAL	Amp Gate Width Radial	25.000	usec	6458.000	6748.000
RAL	casing od	4.500	inches	6458.000	6748.000
RAL	casing wt	11.600	lbm/ft	6458.000	6748.000
RAL	FB Start Far	291.900	usec	6458.000	6748.000
RAL	FB Start Near	180.000	usec	6458.000	6748.000
RAL	FB Start Radial	180.000	usec	6458.000	6748.000
RAL	FB Thresh Far	15.000	mv	6458.000	6748.000
RAL	FB Thresh Near	10.000	mv	6458.000	6748.000
RAL	FB Thresh Radial	10.000	mv	6458.000	6748.000
RAL	Fluid Travel Time	200.000	usec/ft	6458.000	6748.000
RAL	Amp Gate Start Far	305.000	usec	6748.000	7328.000
RAL	Amp Gate Start Near	195.000	usec	6748.000	7328.000
RAL	Amp Gate Start Radial	195.000	usec	6748.000	7328.000
RAL	Amp Gate Width Far	25.000	usec	6748.000	7328.000
RAL	Amp Gate Width Near	25.000	usec	6748.000	7328.000
RAL	Amp Gate Width Radial	25.000	usec	6748.000	7328.000
RAL	casing od	4.500	inches	6748.000	7328.000
RAL	casing wt	11.600	lbm/ft	6748.000	7328.000
RAL	FB Start Far	291.900	usec	6748.000	7328.000
RAL	FB Start Near	180.000	usec	6748.000	7328.000
RAL	FB Start Radial	180.000	usec	6748.000	7328.000
RAL	FB Thresh Far	15.000	mv	6748.000	7328.000
RAL	FB Thresh Near	10.000	mv	6748.000	7328.000
RAL	FB Thresh Radial	10.000	mv	6748.000	7328.000
RAL	Fluid Travel Time	200.000	usec/ft	6748.000	7328.000
RAL	Amp Gate Start Far	305.000	usec	7328.000	10216.000
RAL	Amp Gate Start Near	195.000	usec	7328.000	10216.000
RAL	Amp Gate Start Radial	195.000	usec	7328.000	10216.000
RAL	Amp Gate Width Far	25.000	usec	7328.000	10216.000
RAL	Amp Gate Width Near	25.000	usec	7328.000	10216.000
RAL	Amp Gate Width Radial	25.000	usec	7328.000	10216.000
RAL	casing od	4.500	inches	7328.000	10216.000
RAL	casing wt	11.600	lbm/ft	7328.000	10216.000
RAL	FB Start Far	291.900	usec	7328.000	10216.000
RAL	FB Start Near	180.000	usec	7328.000	10216.000
RAL	FB Start Radial	180.000	usec	7328.000	10216.000
RAL	FB Thresh Far	15.000	mv	7328.000	10216.000
RAL	FB Thresh Near	10.000	mv	7328.000	10216.000
RAL	FB Thresh Radial	10.000	mv	7328.000	10216.000
RAL	Fluid Travel Time	200.000	usec/ft	7328.000	10215.593

DEPTH OFFSETS
(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-12.360	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	-11.360	AFAR	SIG	TT5			
2459XA	-7.250	CCL					
2459XA	-5.390	GR					
2459XA	0.000	NEU					

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

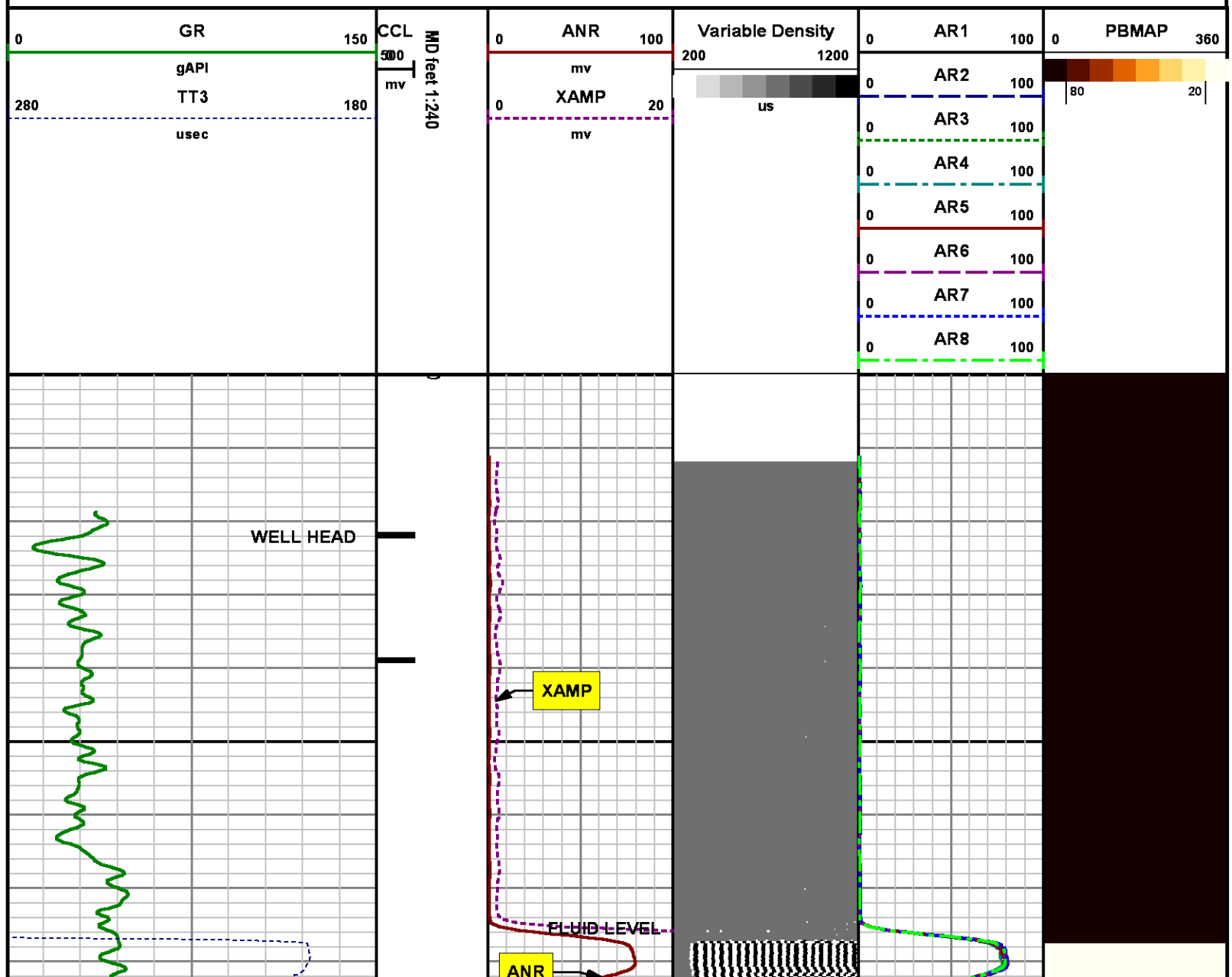
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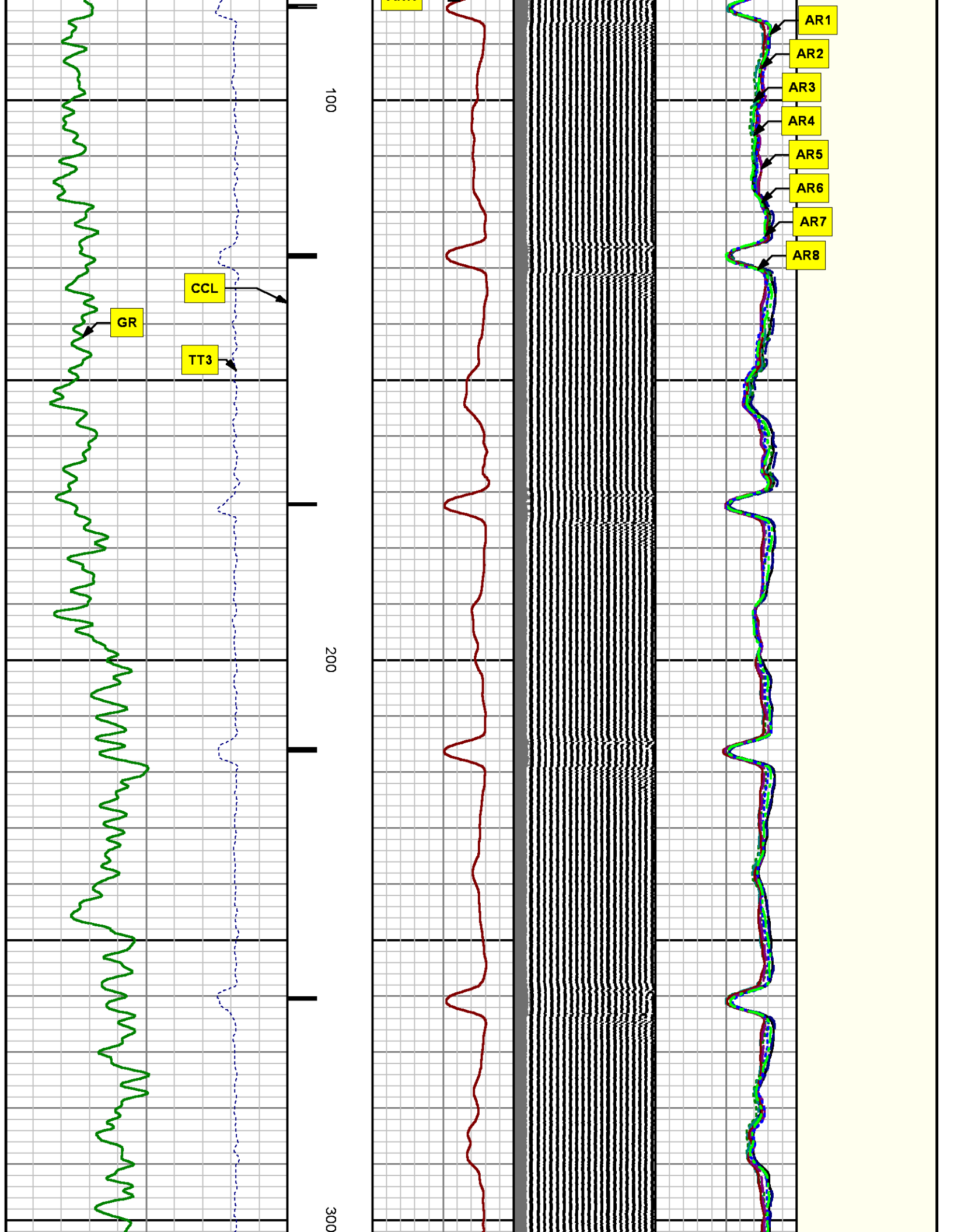
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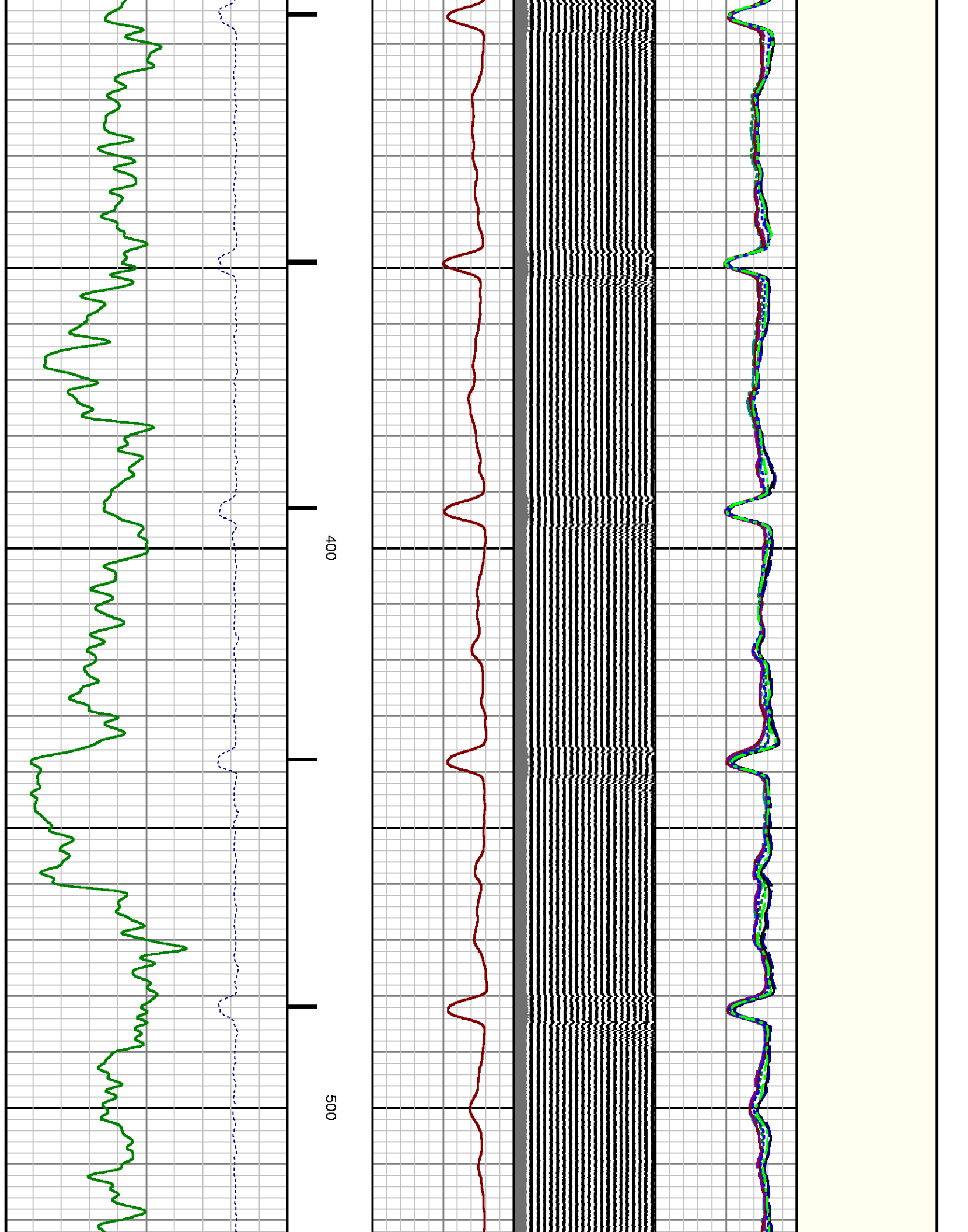
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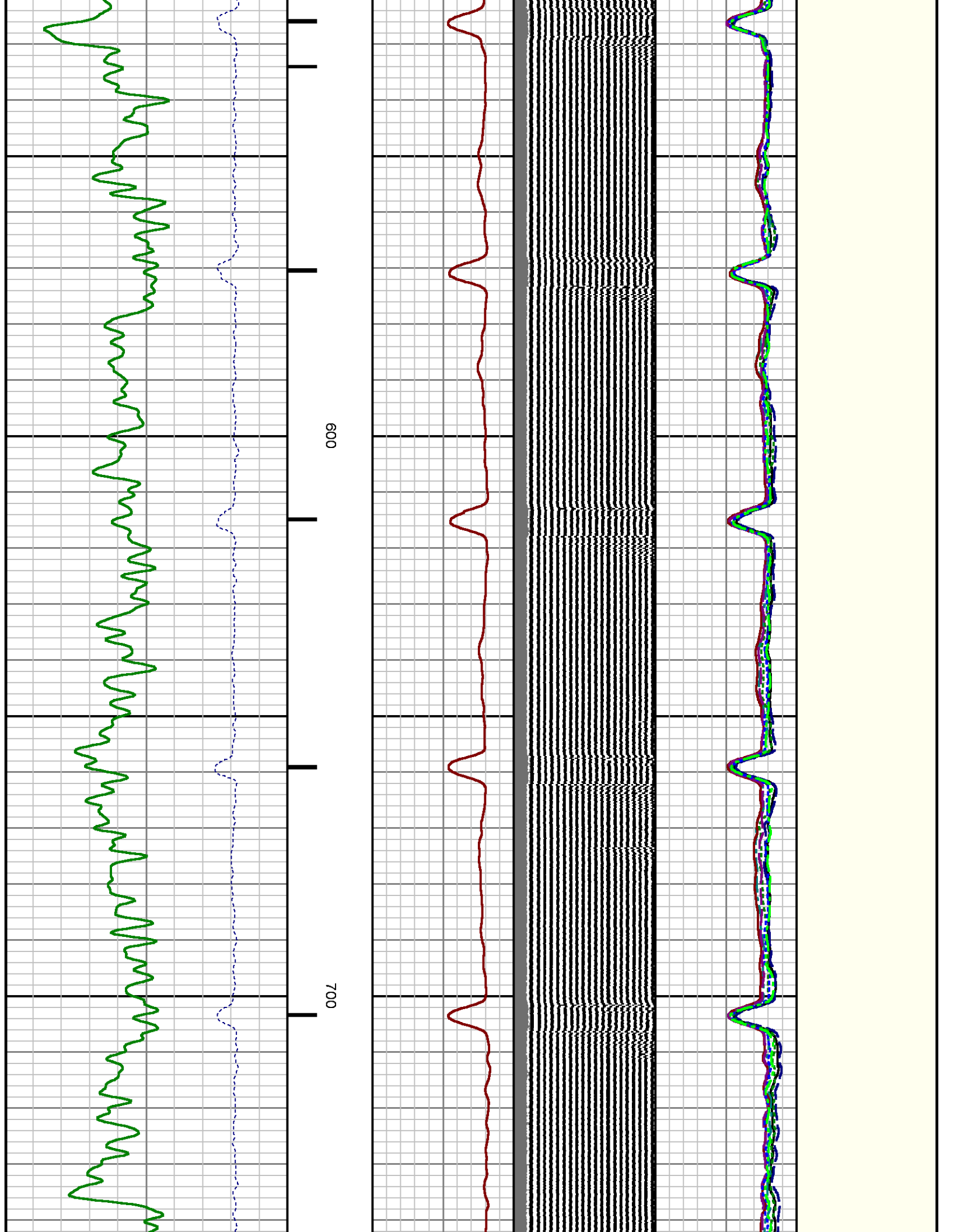
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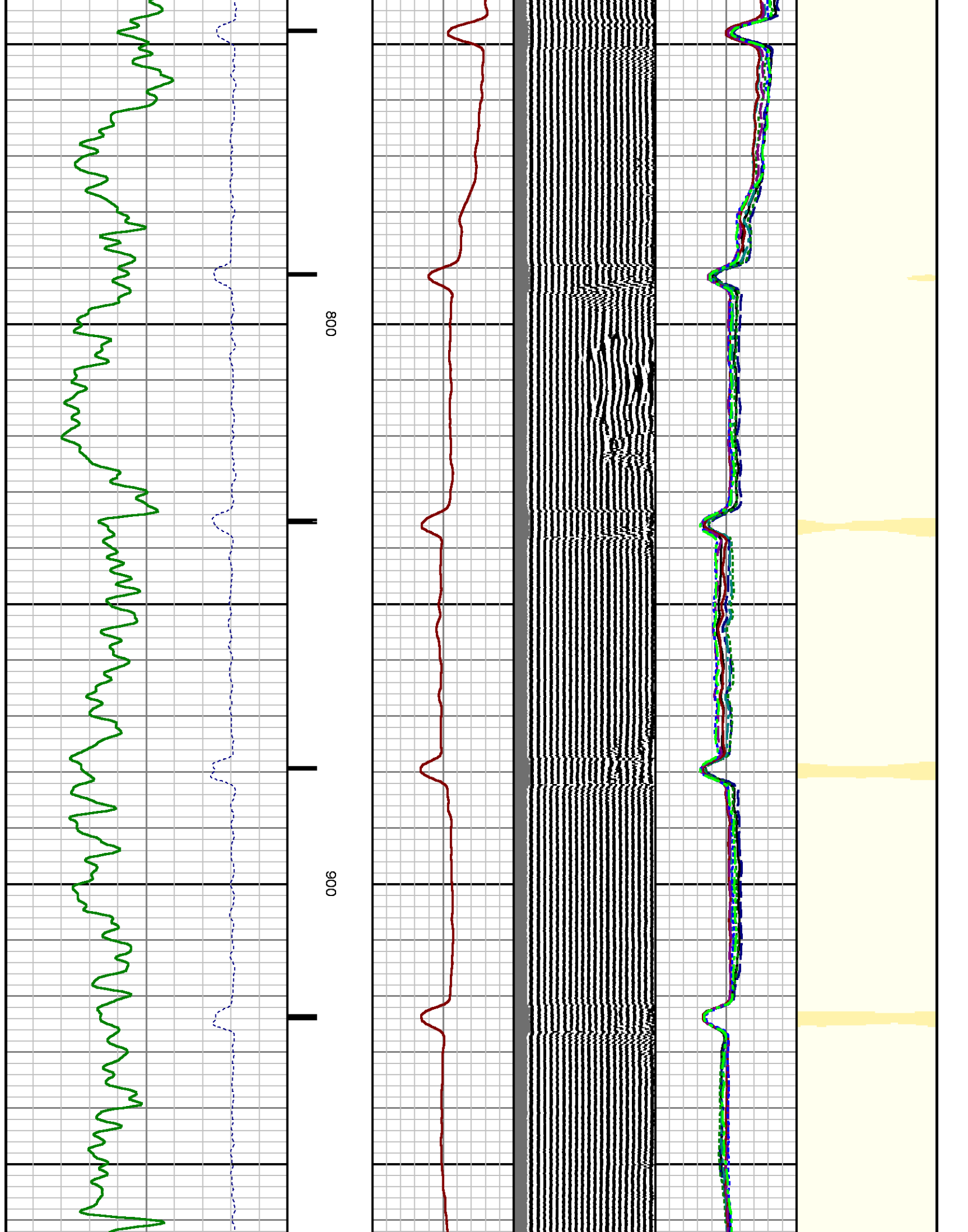
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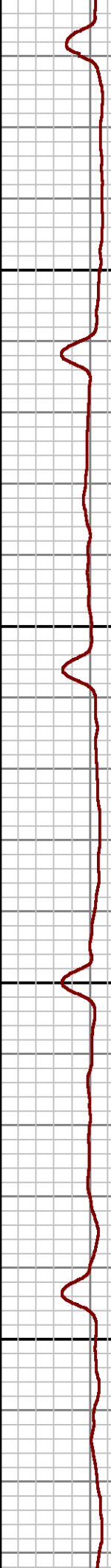
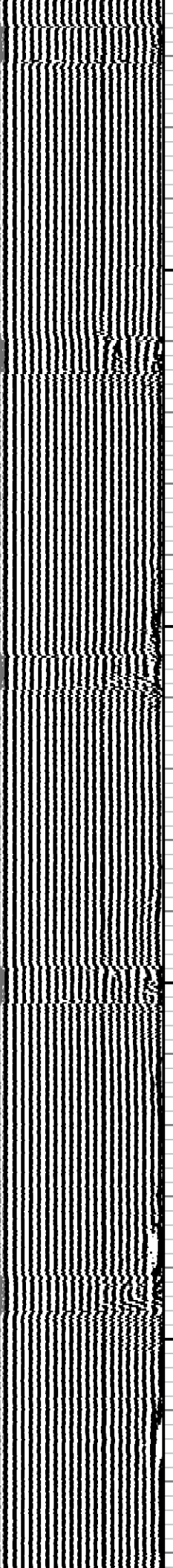
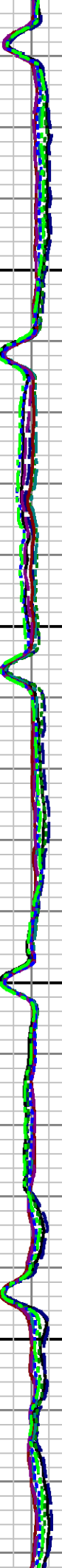
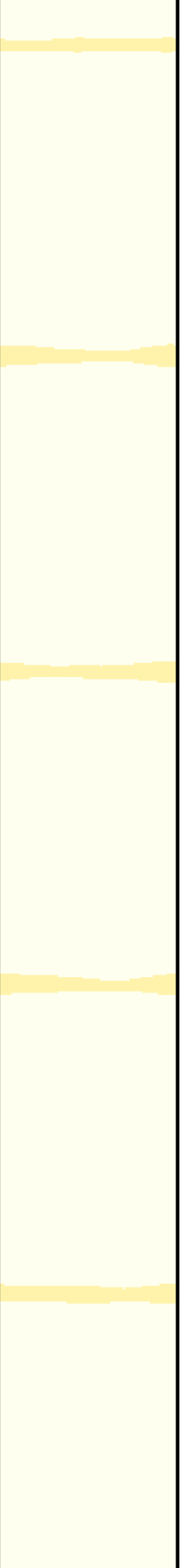






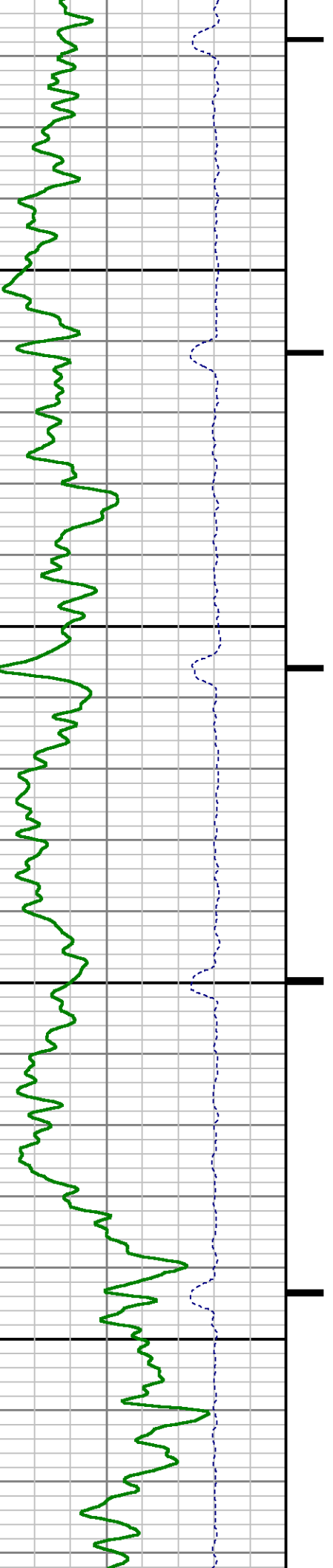


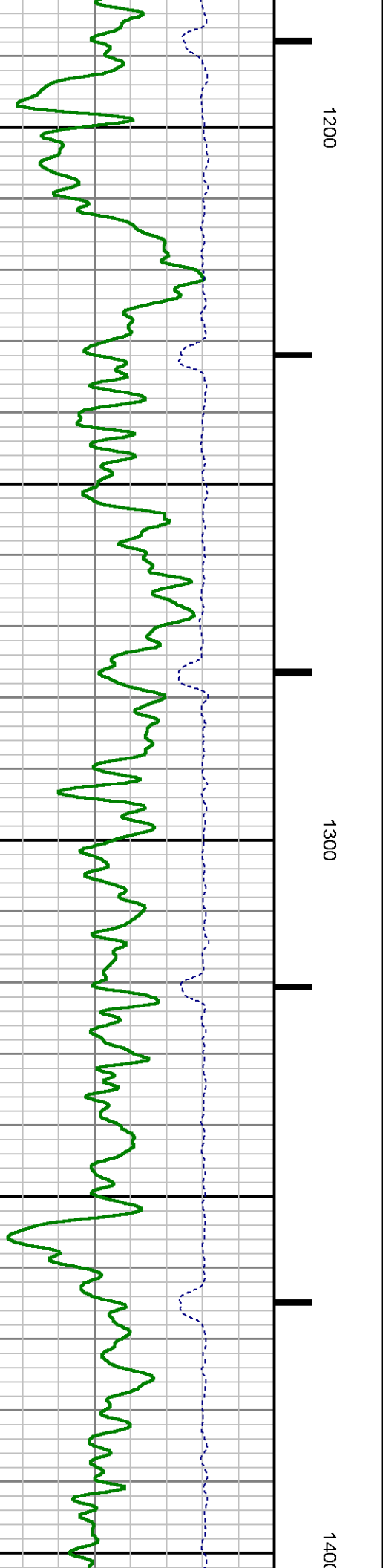
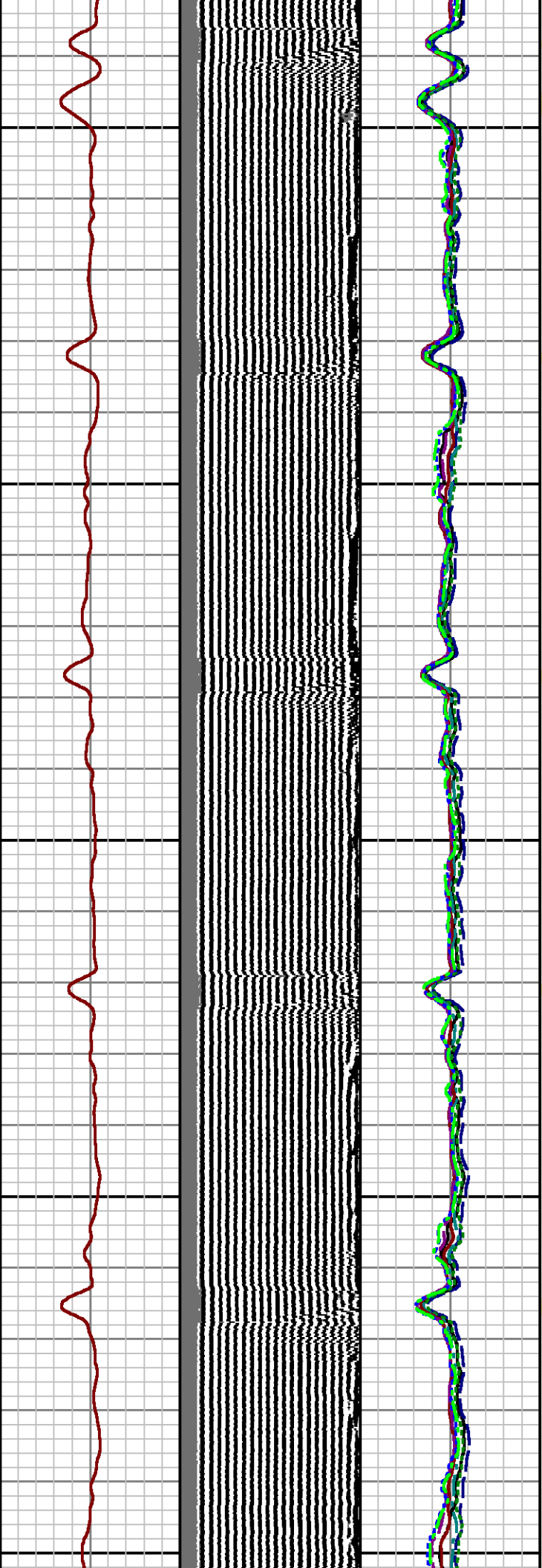
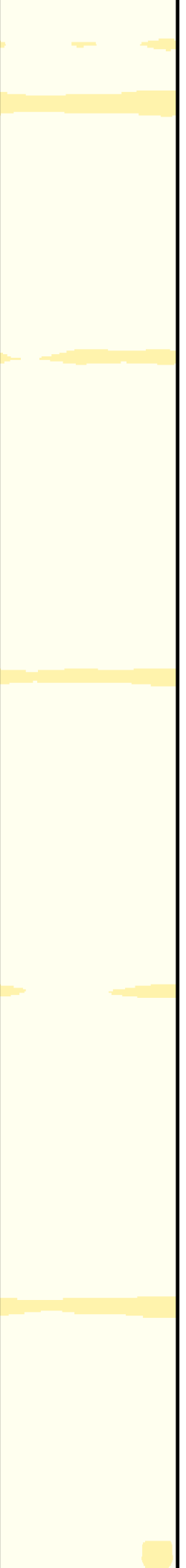


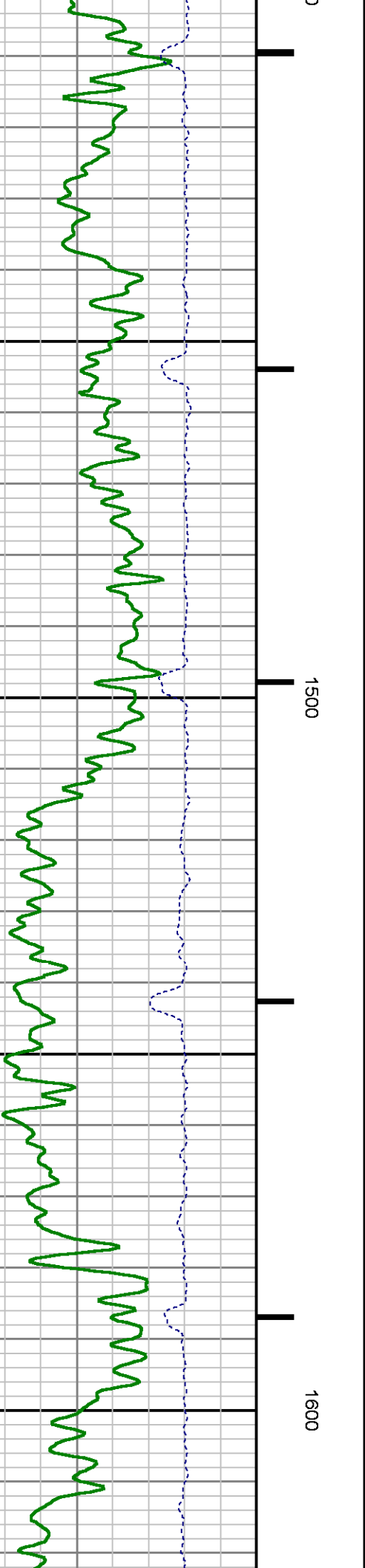
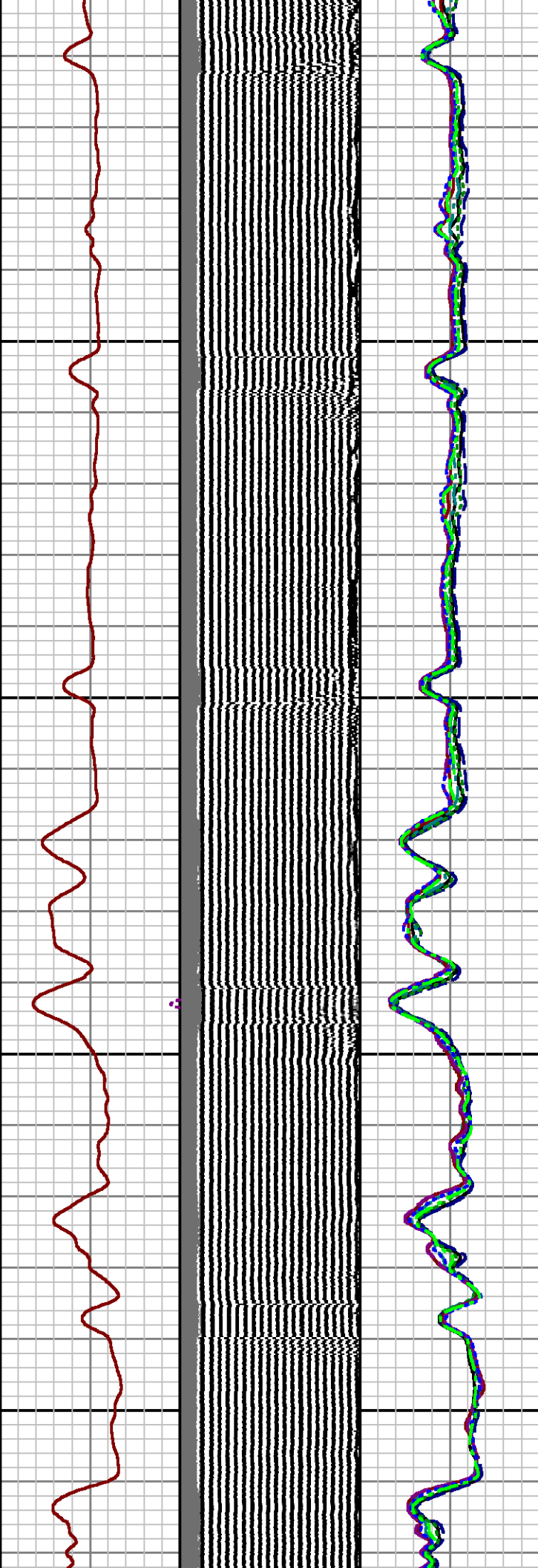
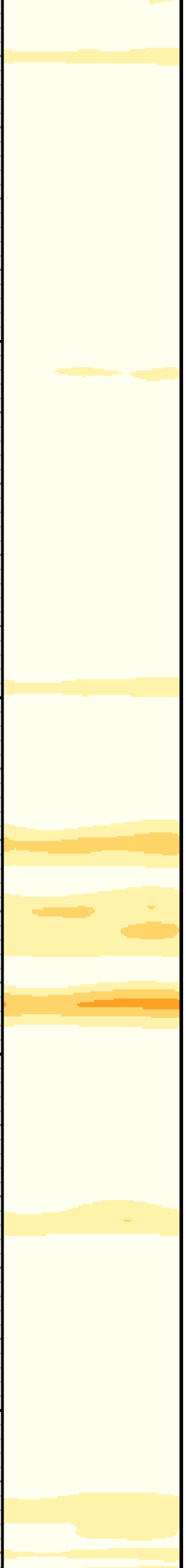


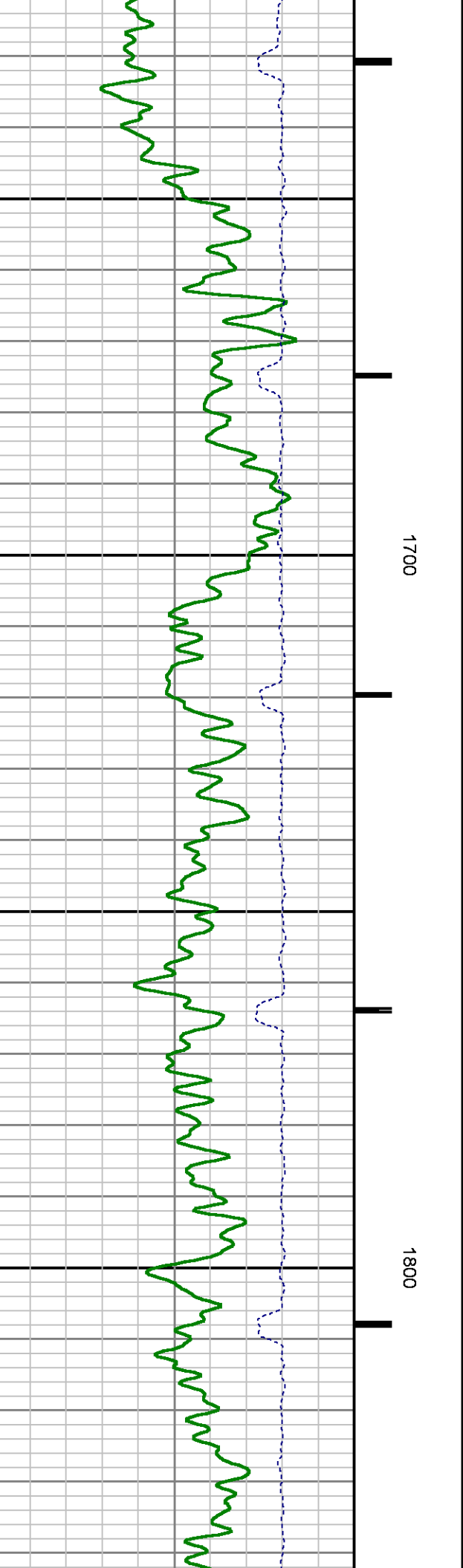
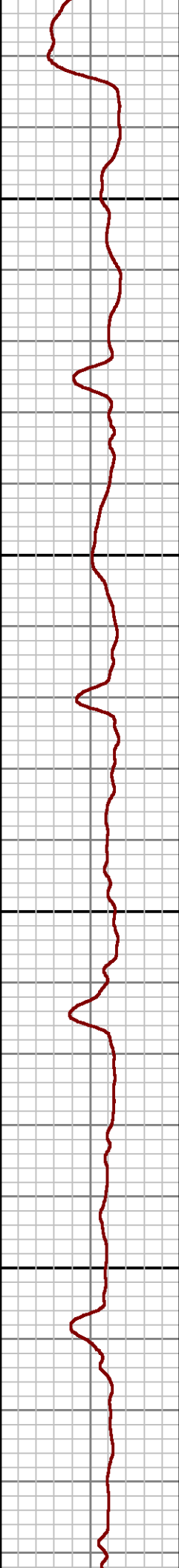
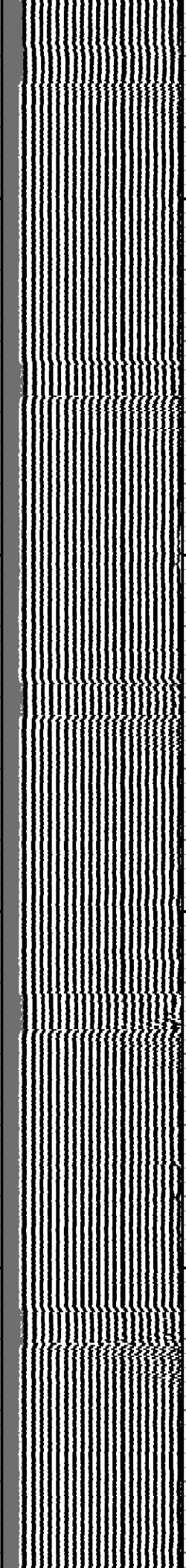
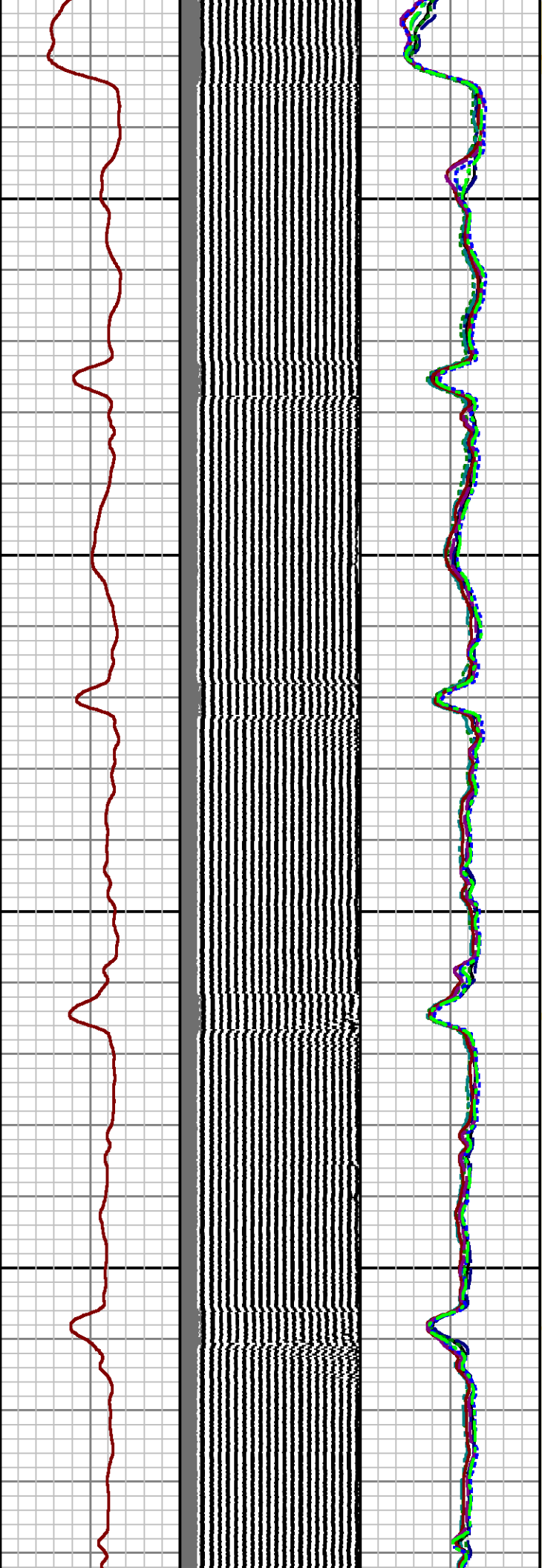
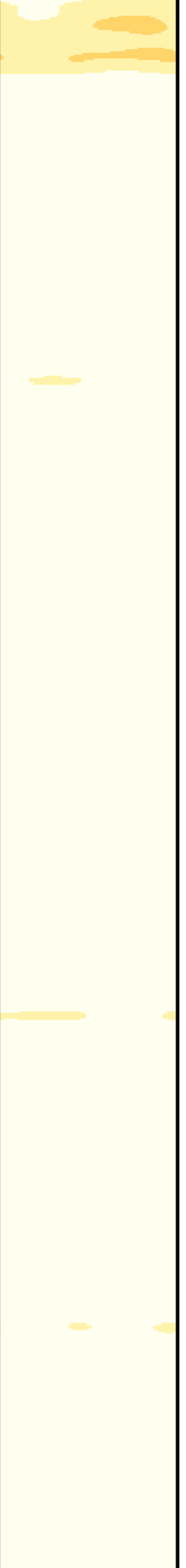
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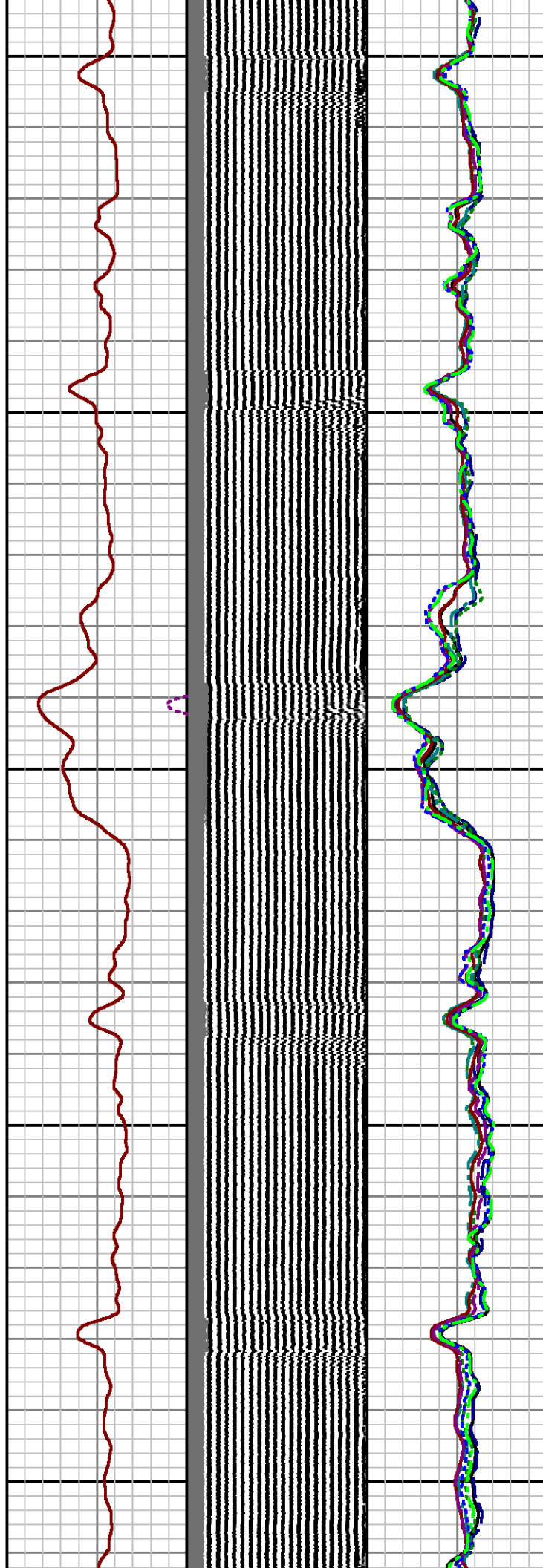
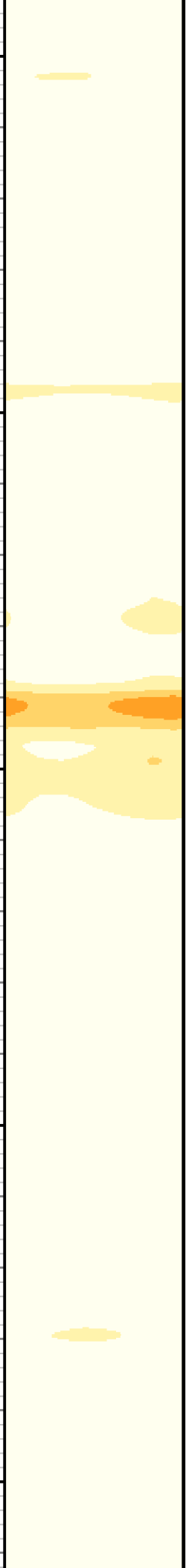
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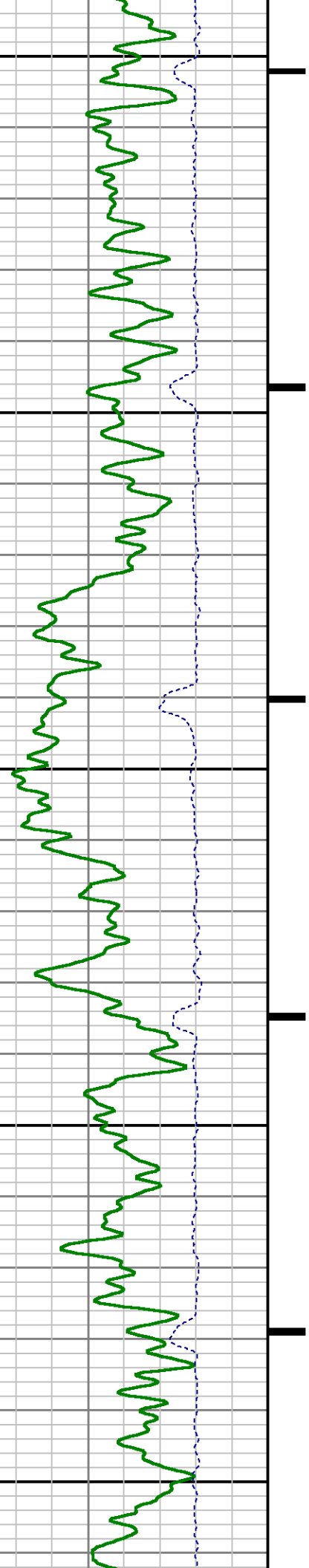


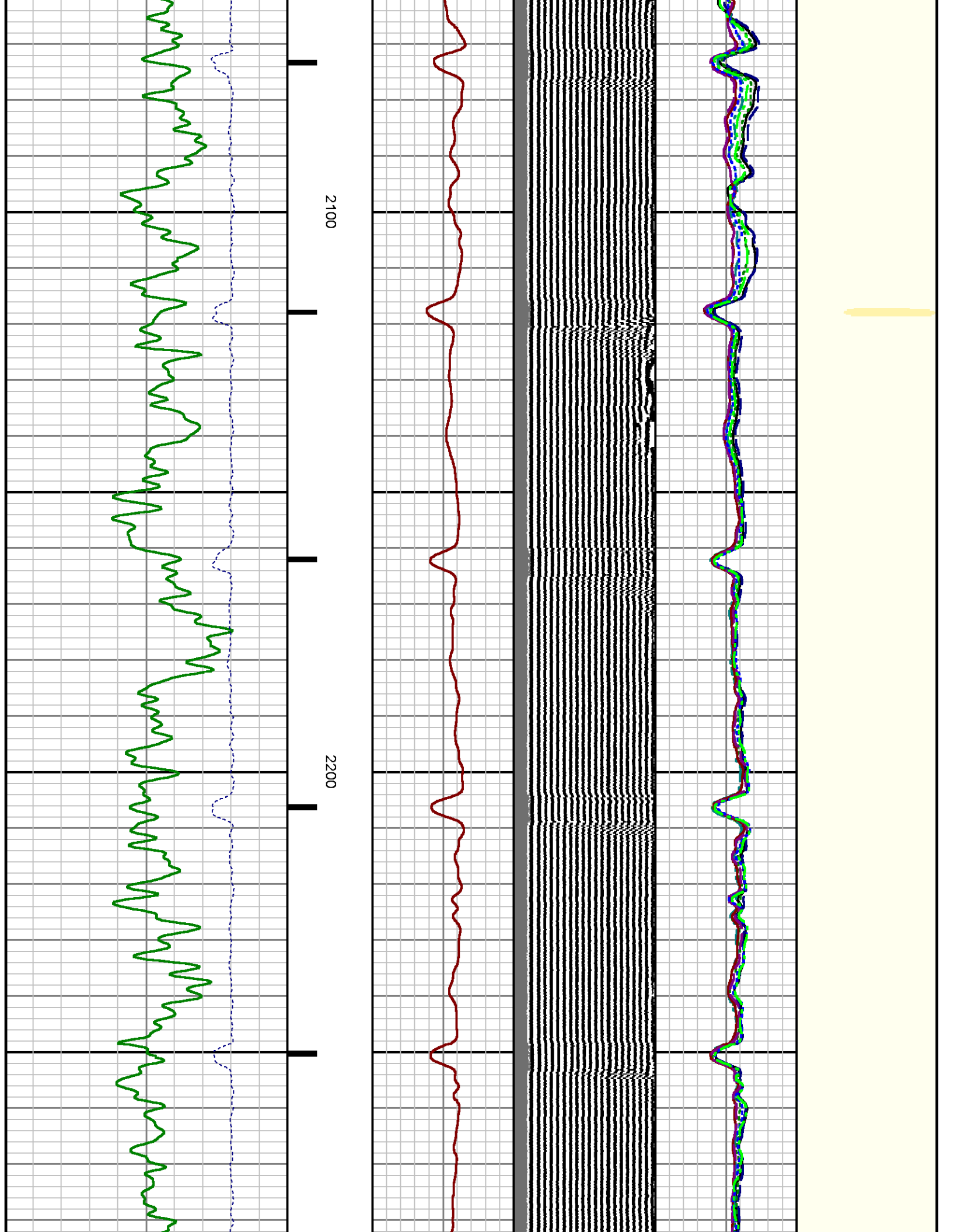


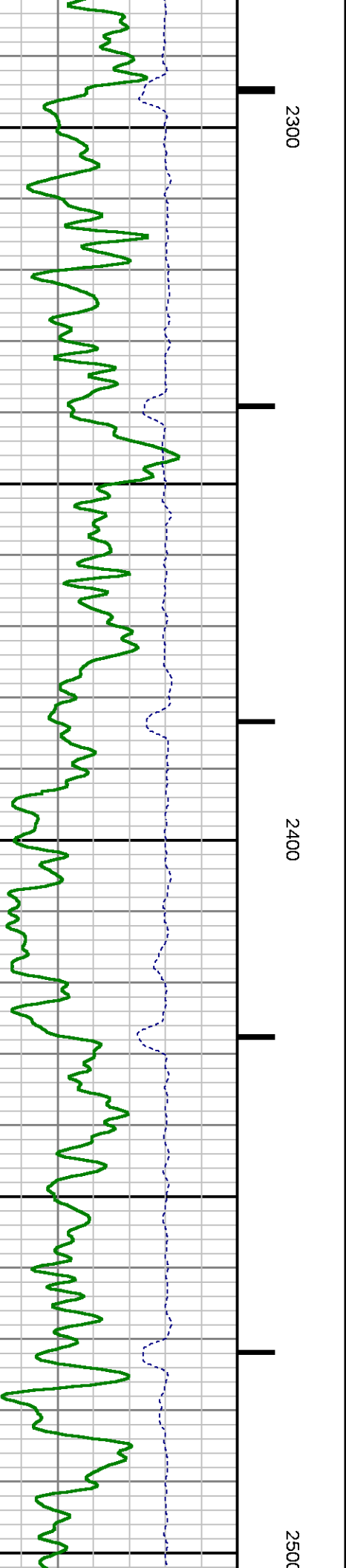
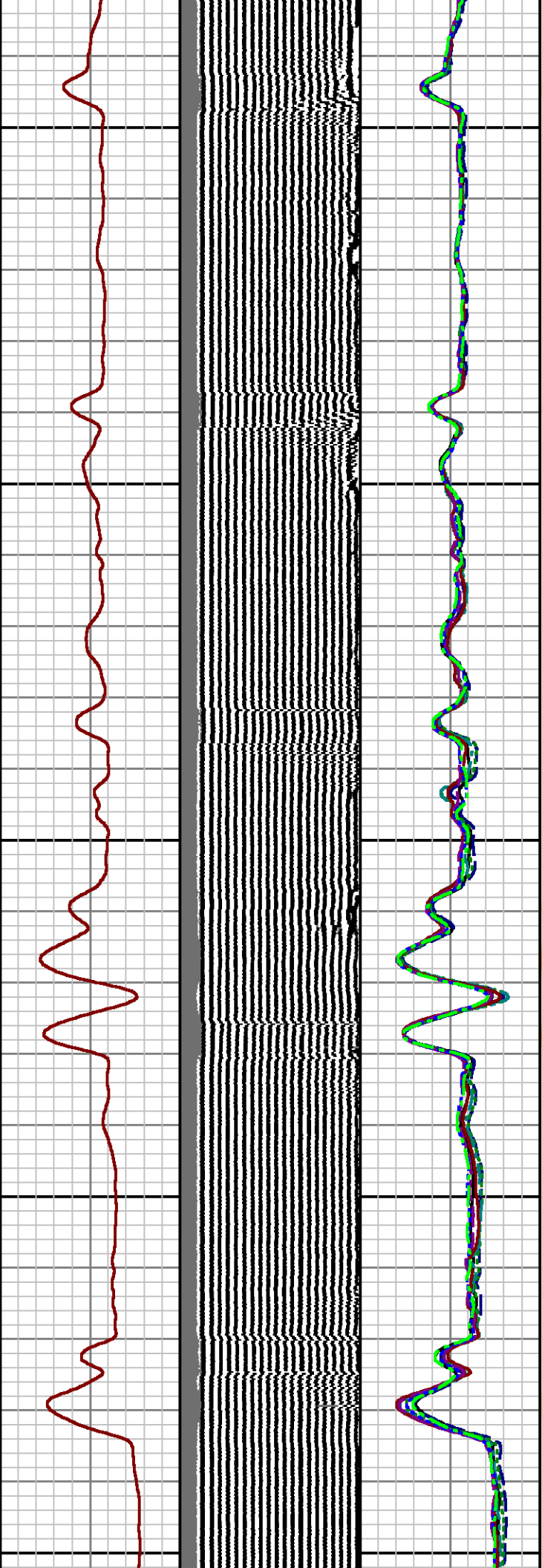
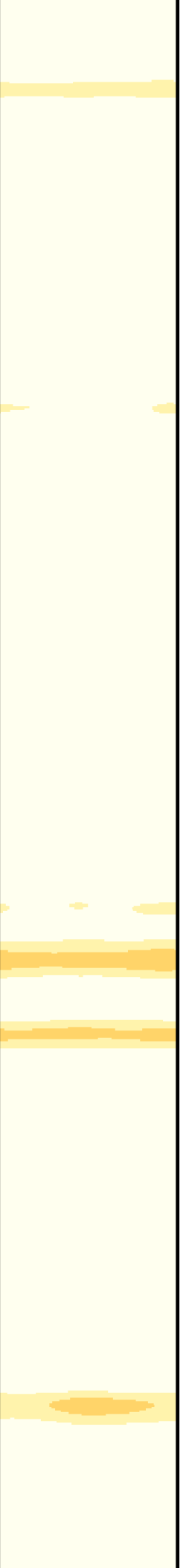


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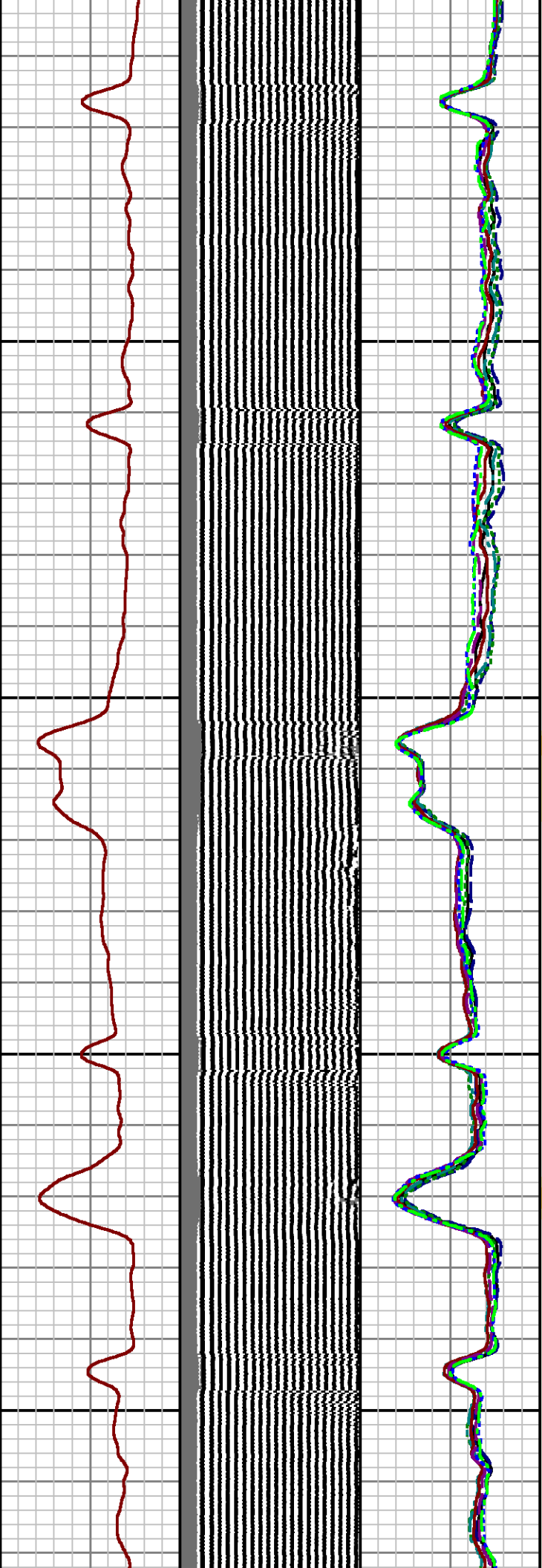
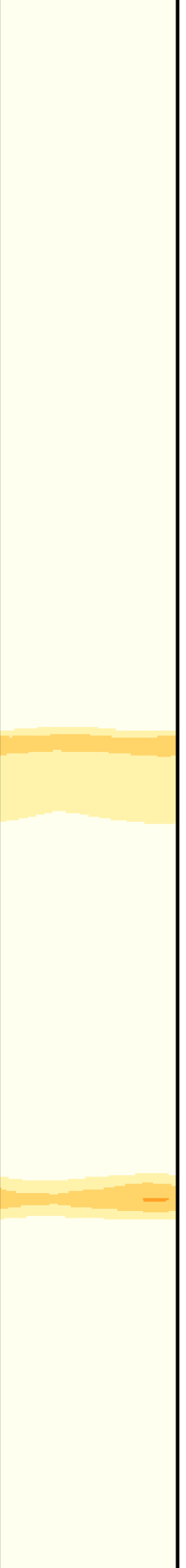




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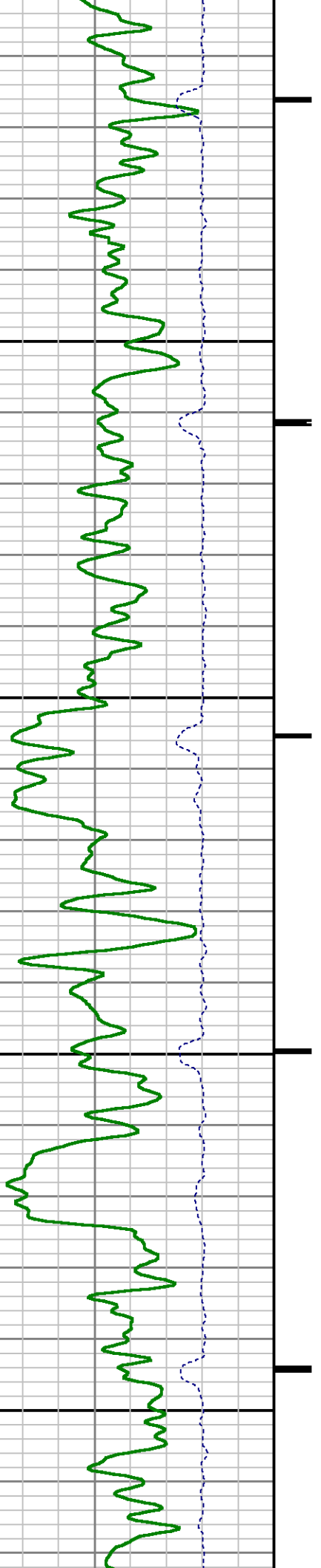
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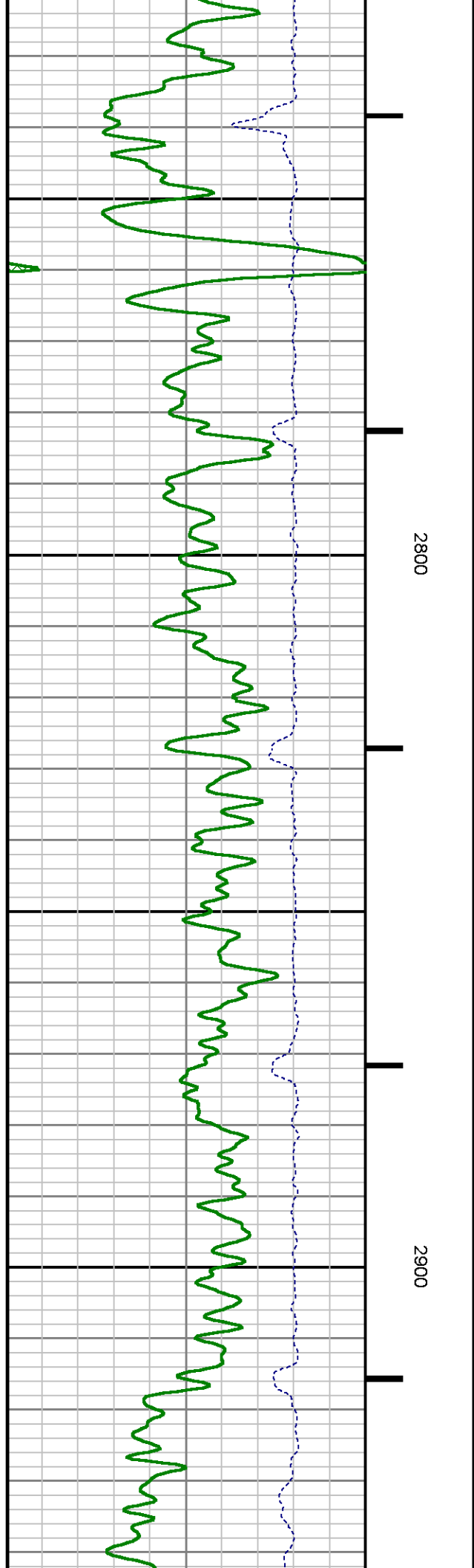
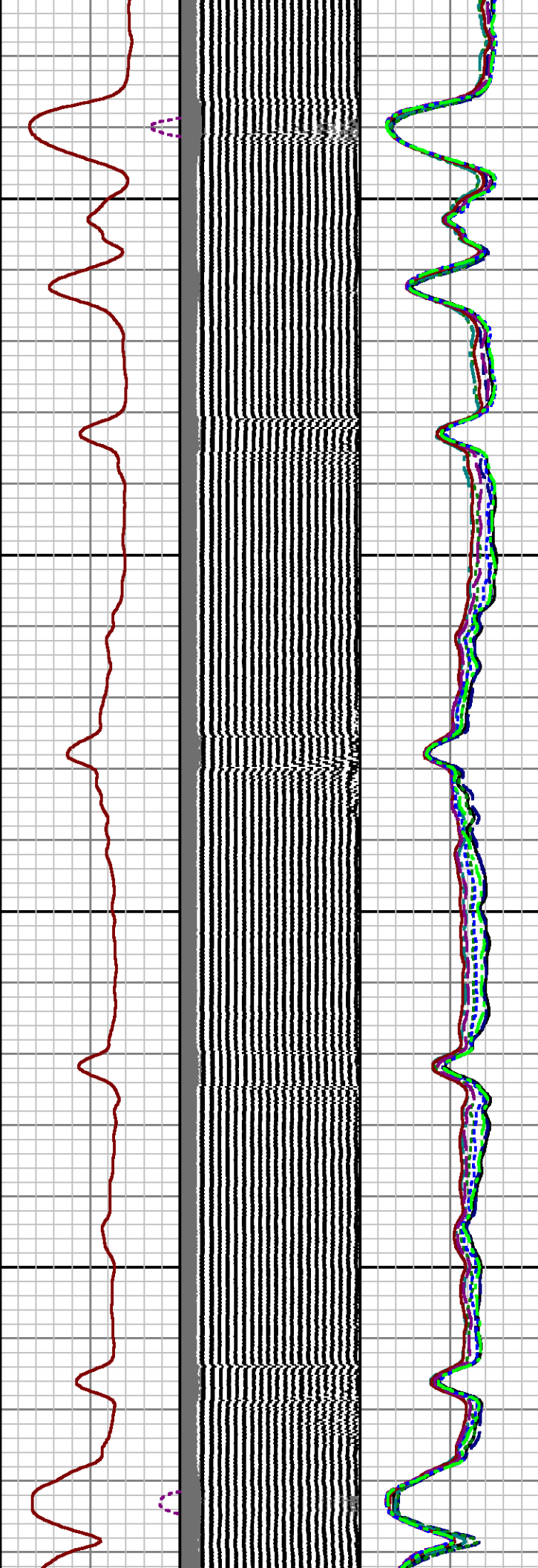
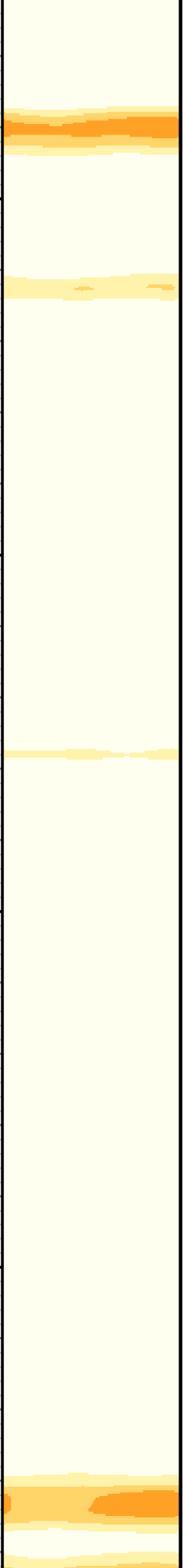
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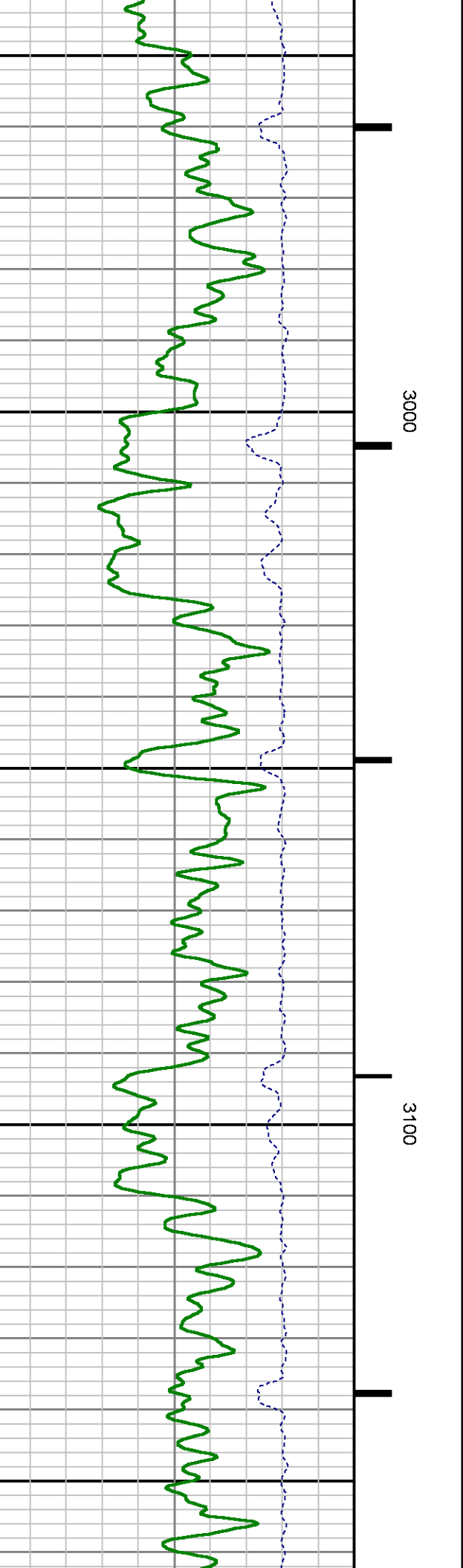
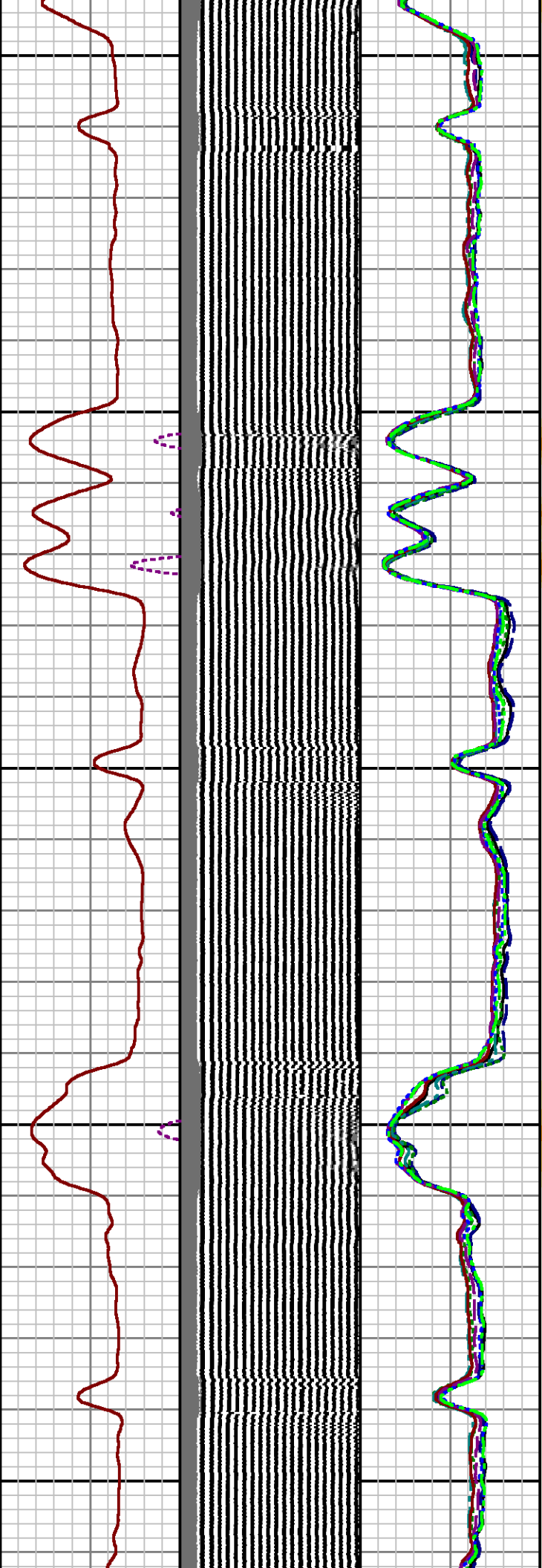
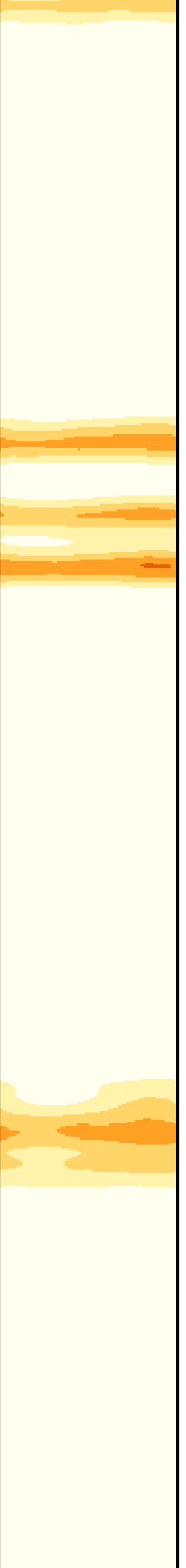


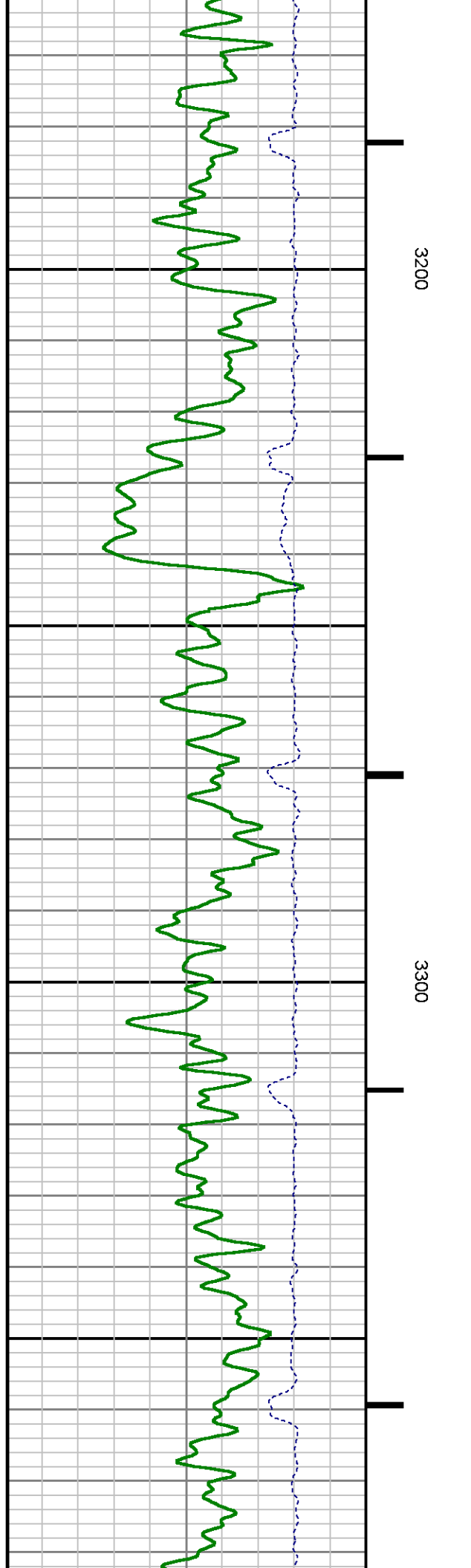
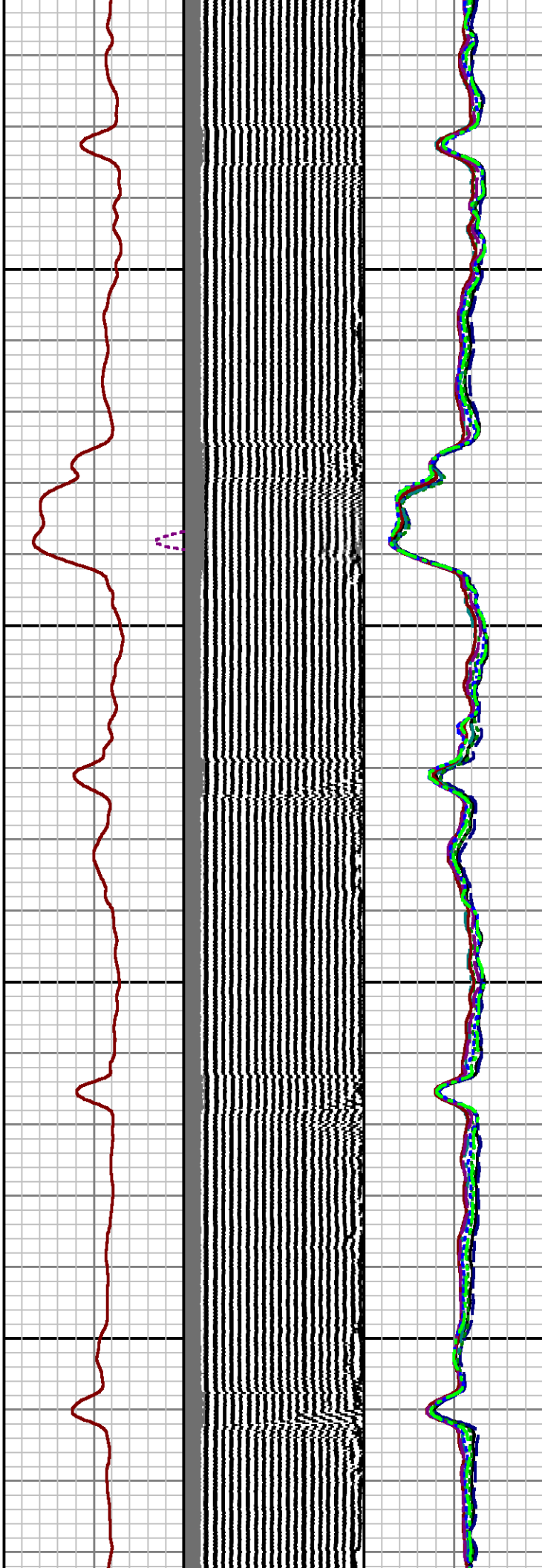
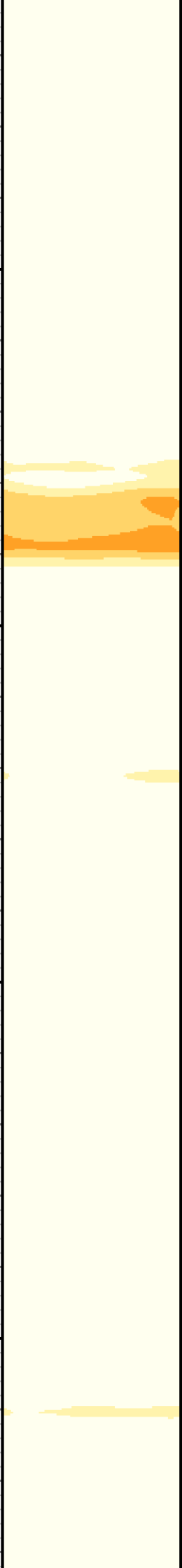
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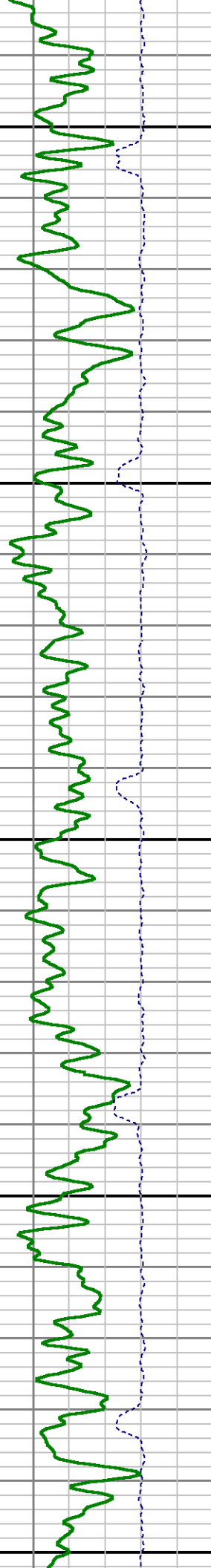
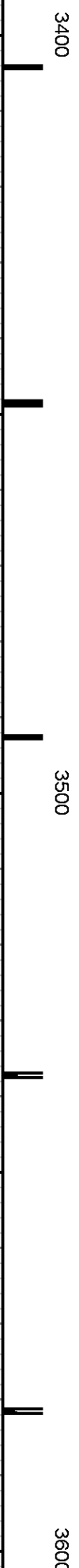
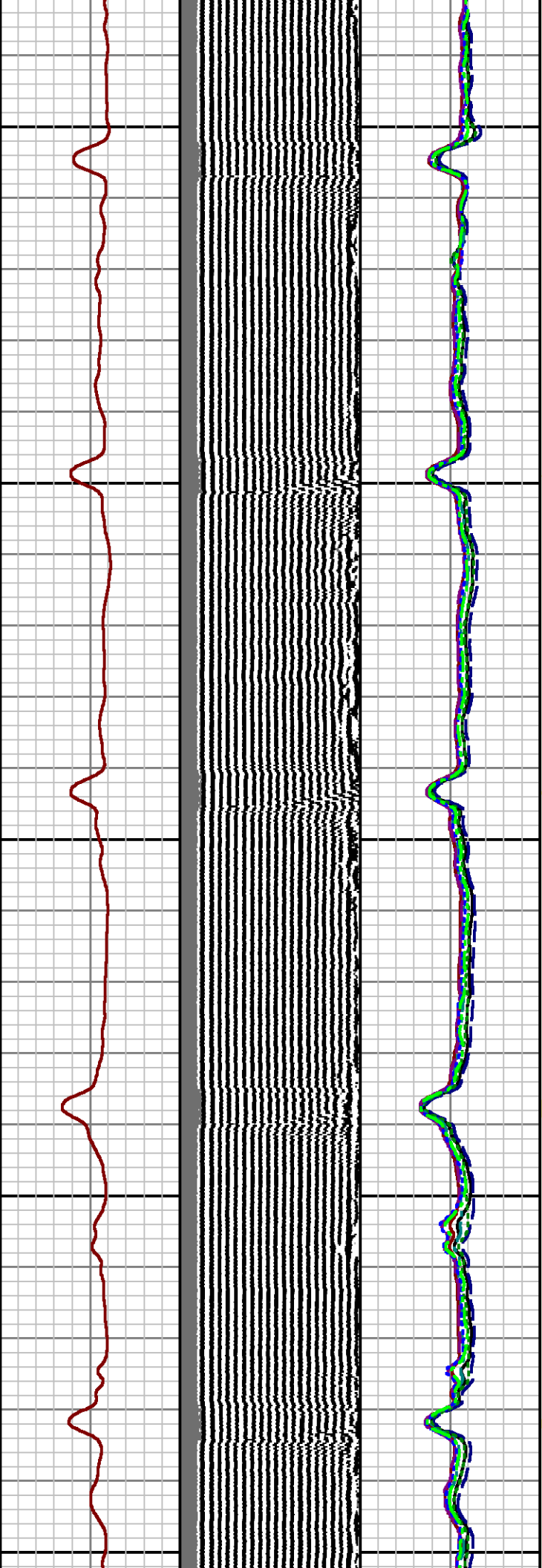
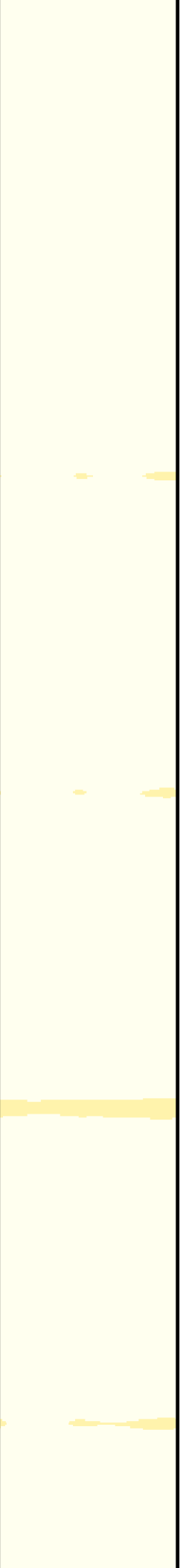
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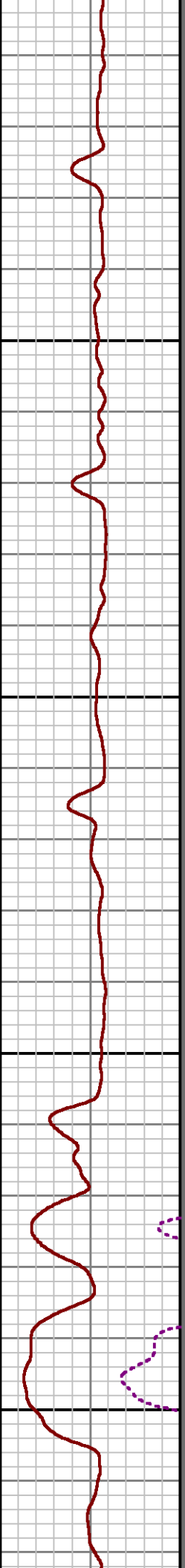
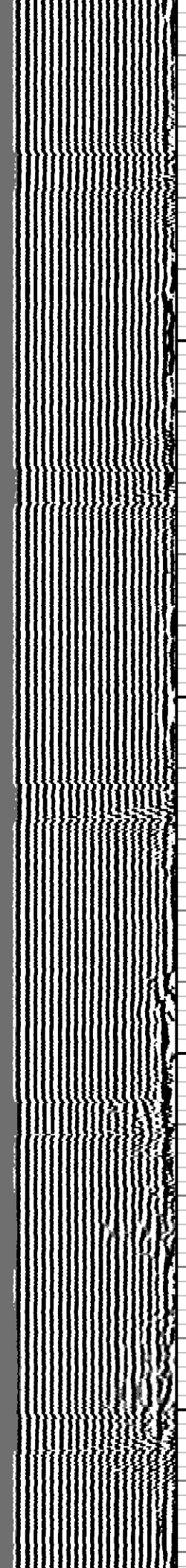
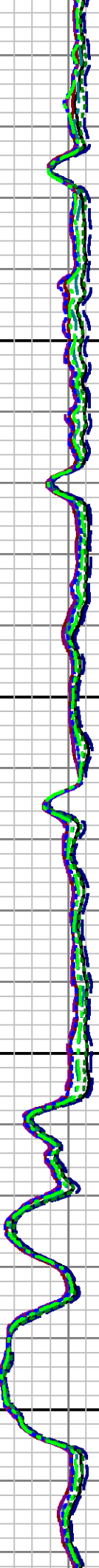
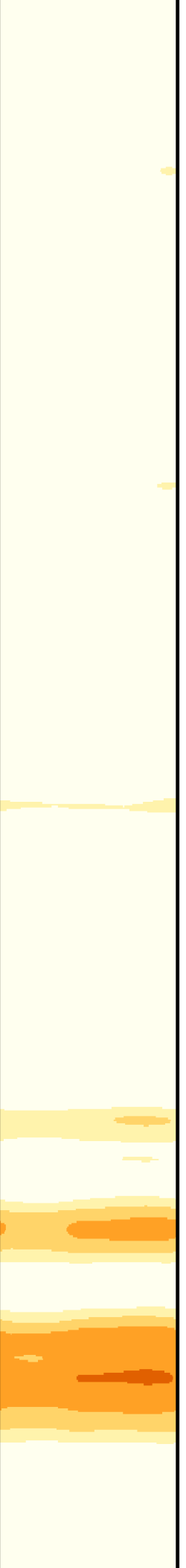






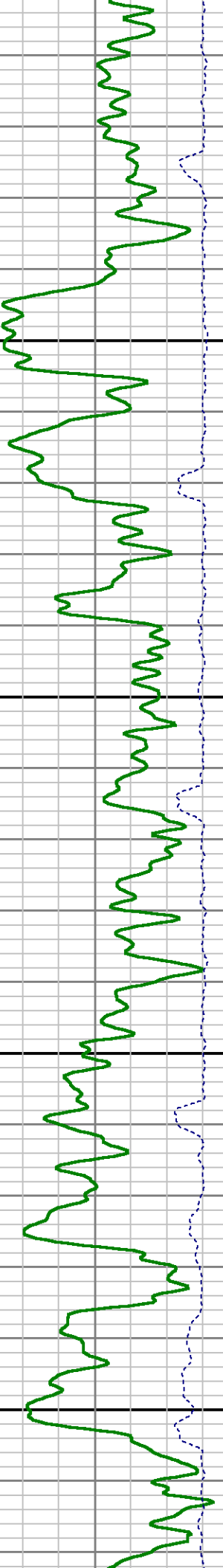


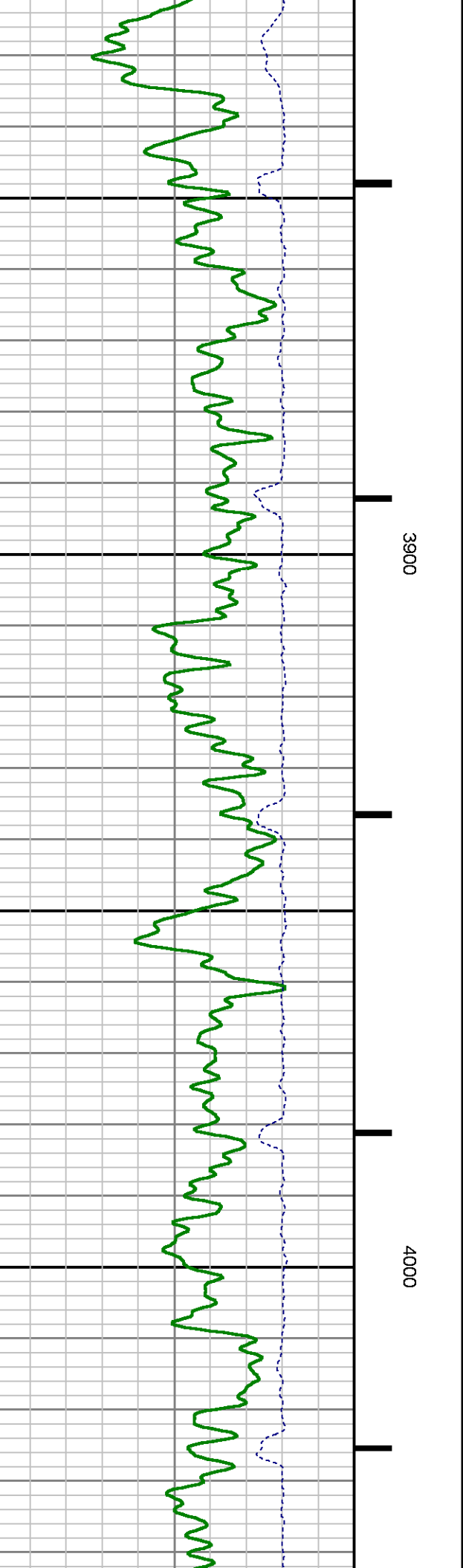
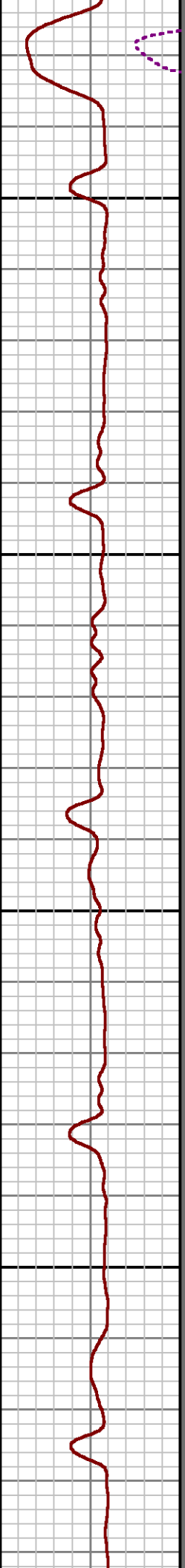
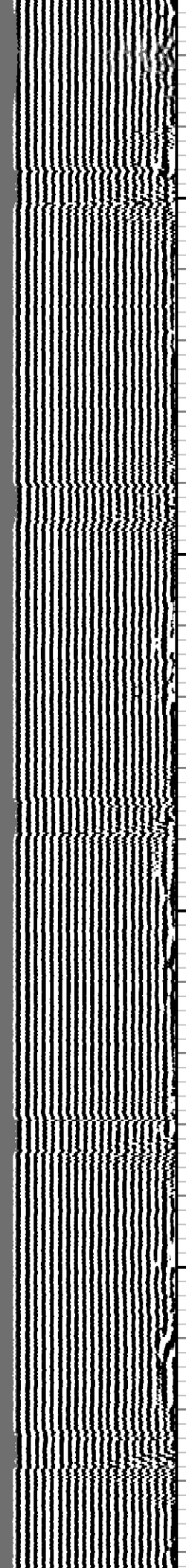
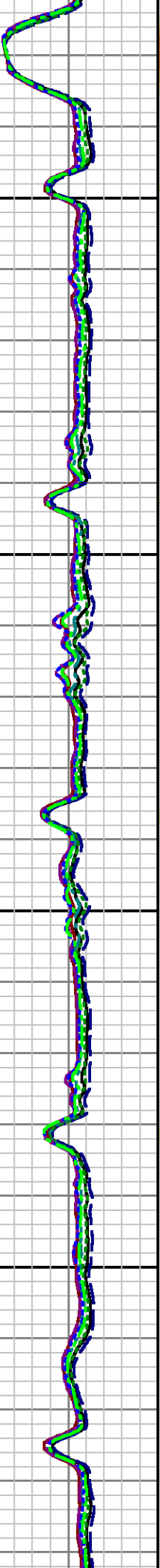
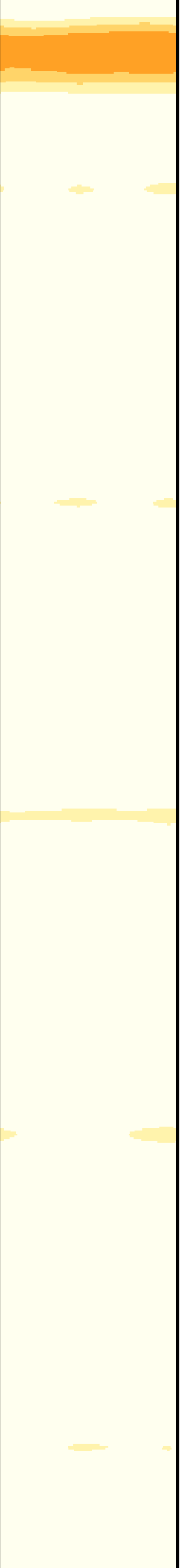


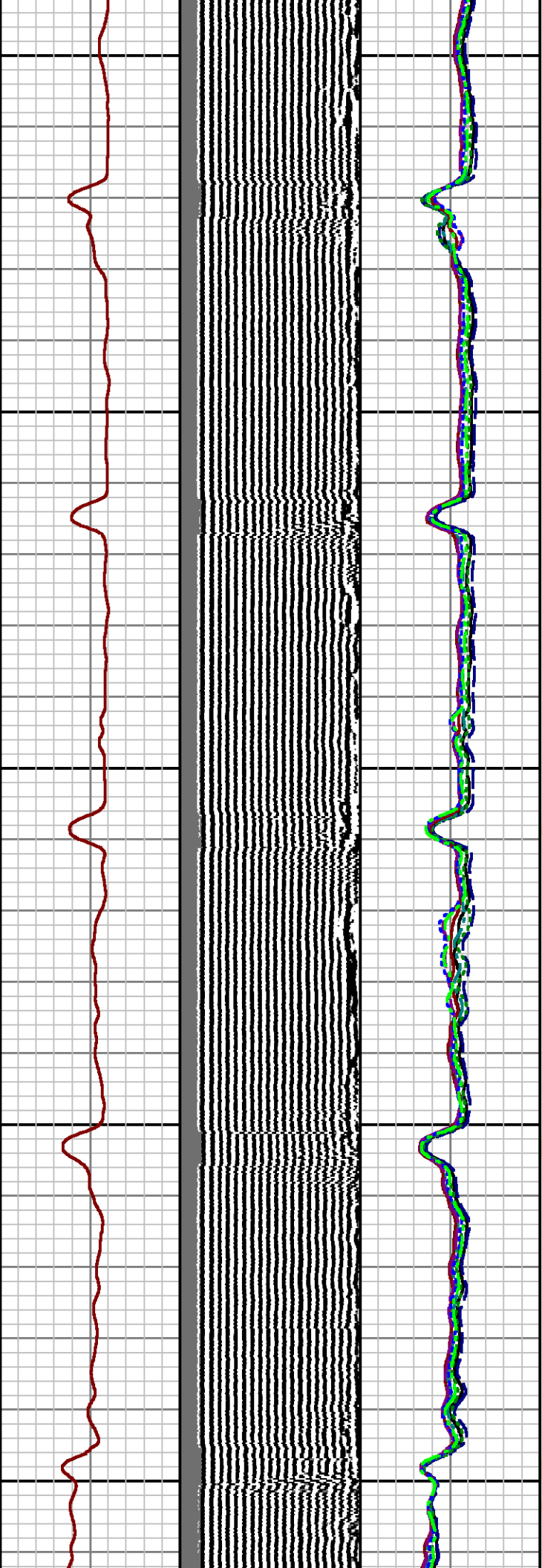
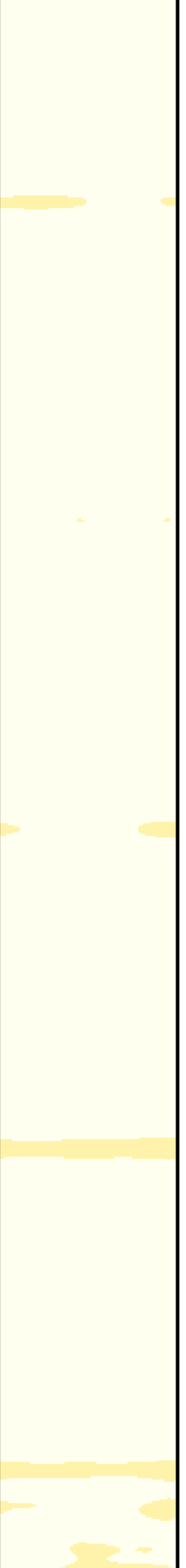


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3800

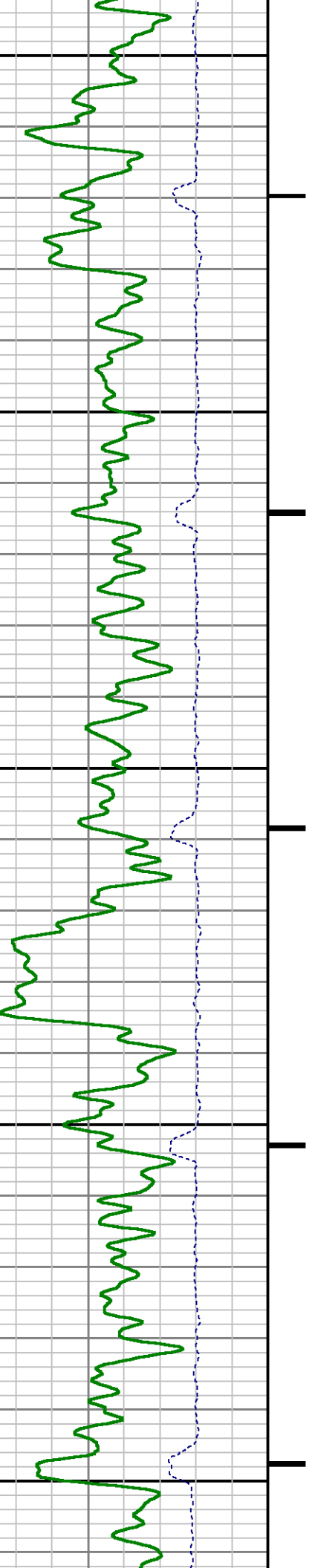


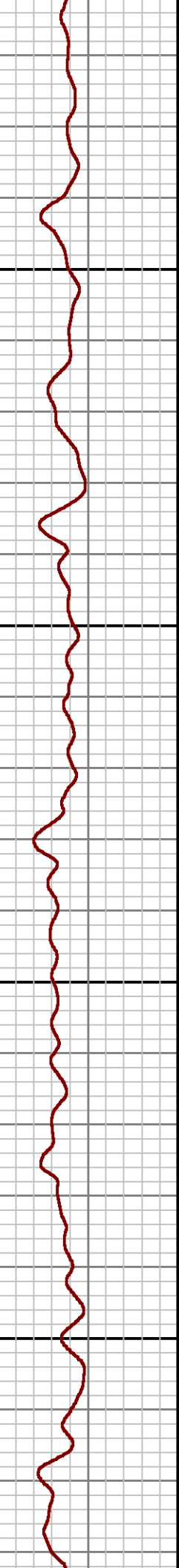
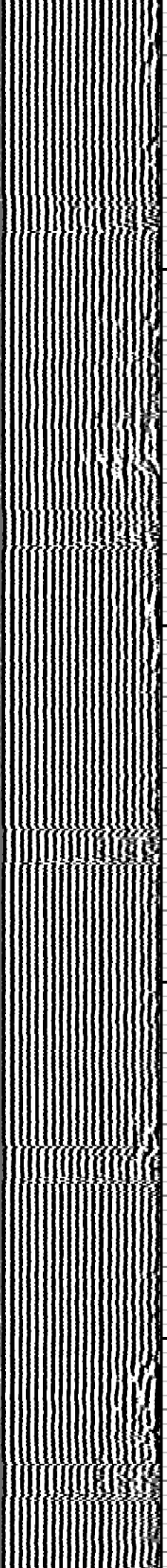
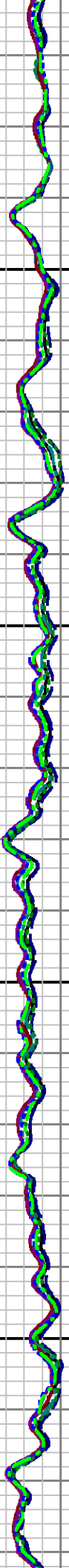
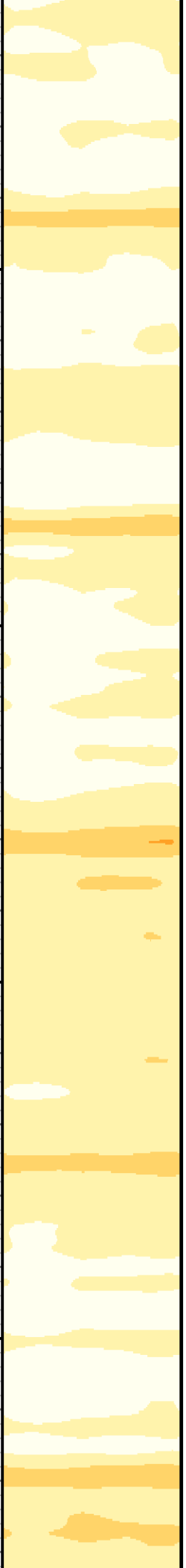




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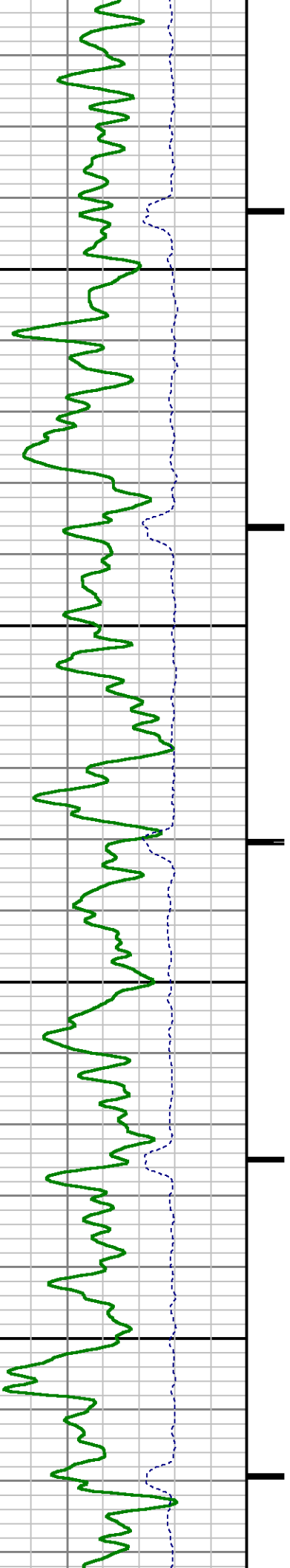
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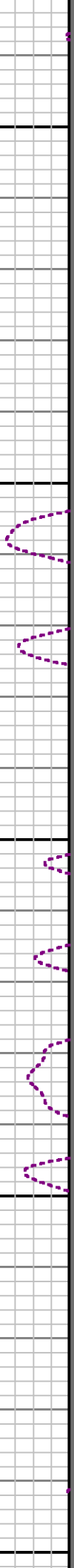
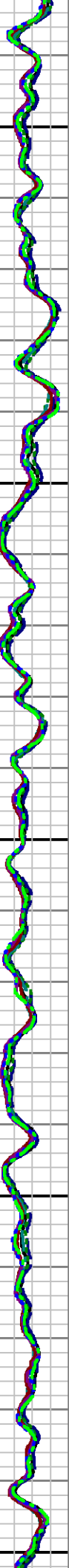




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4400



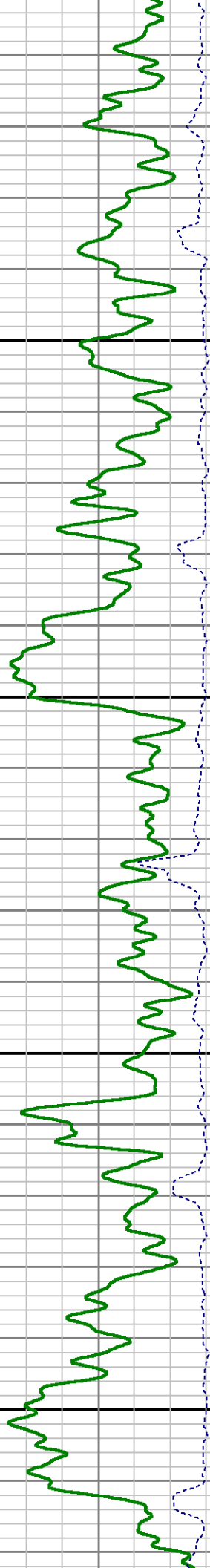
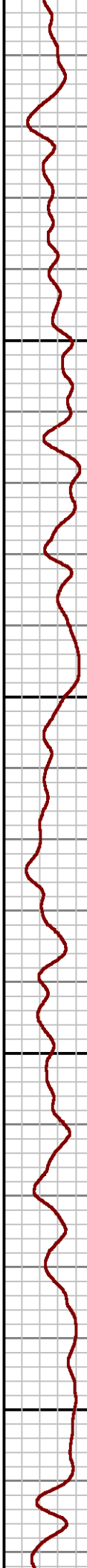
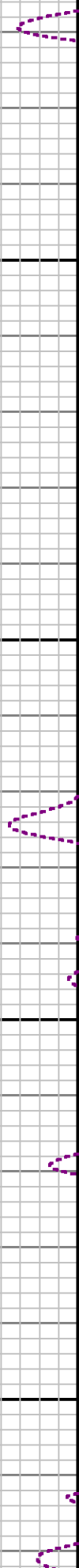
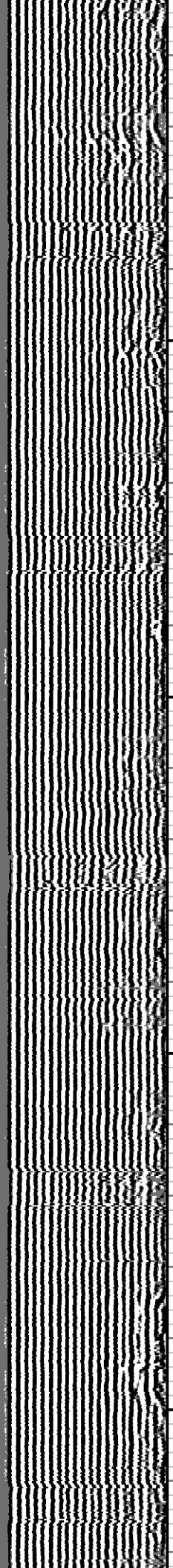
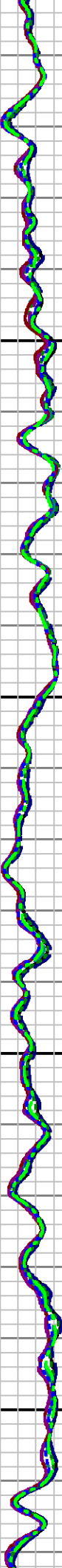
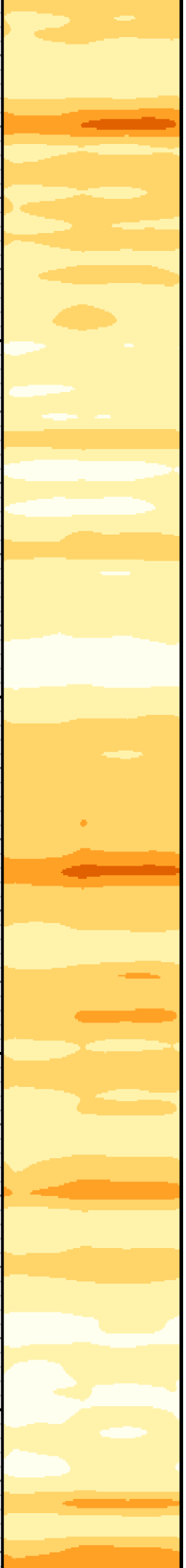


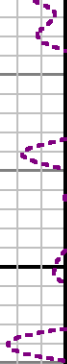
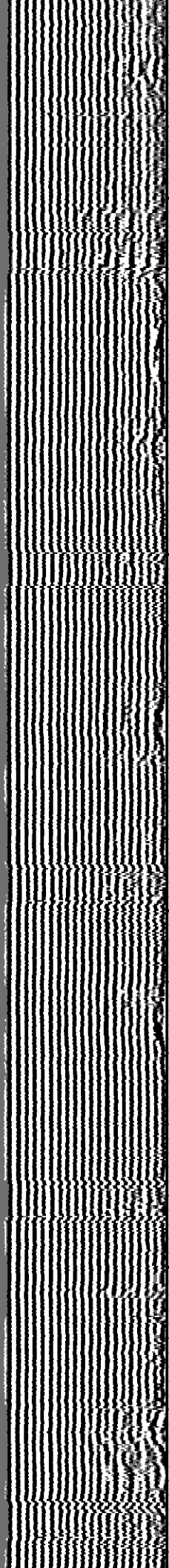
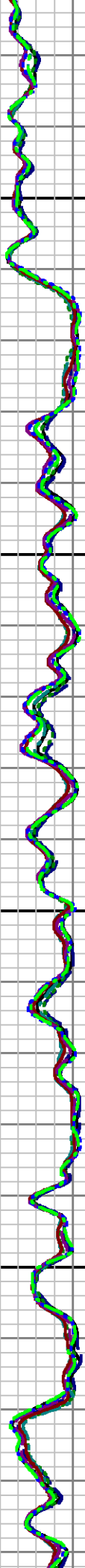
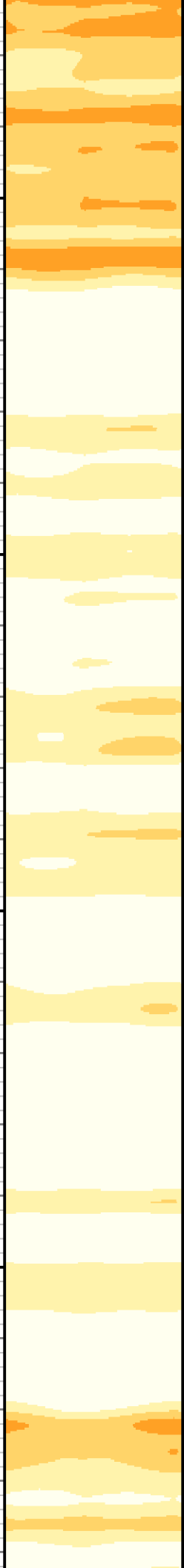
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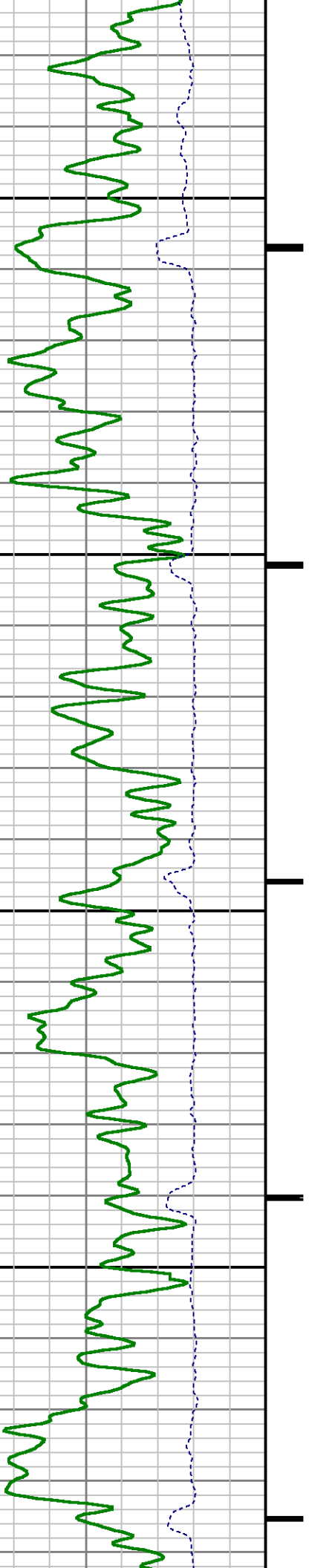


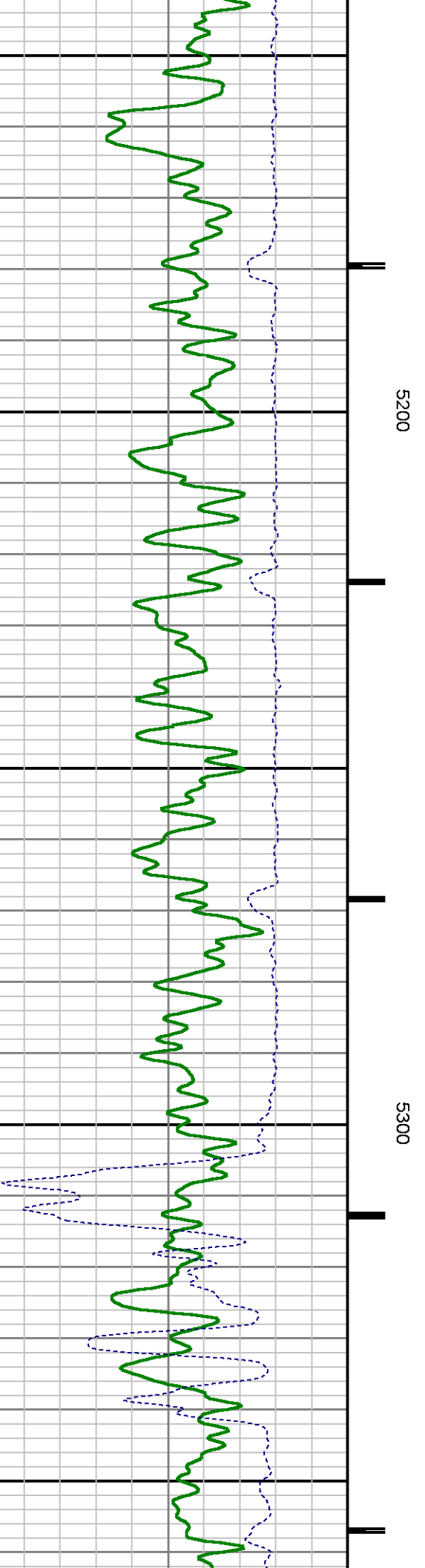
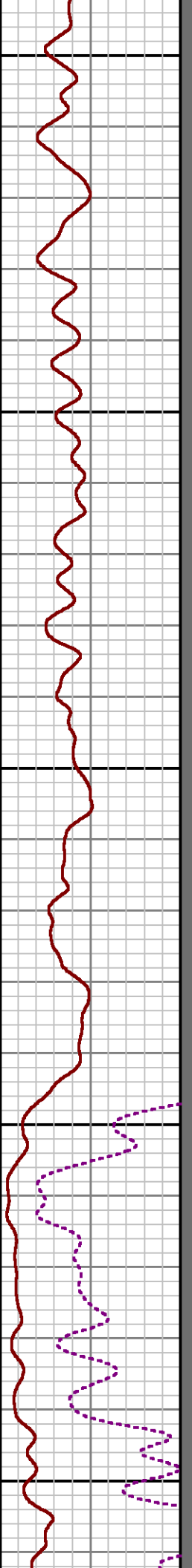
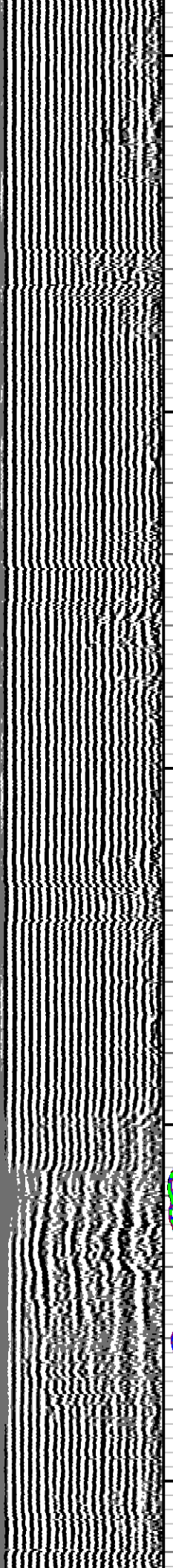
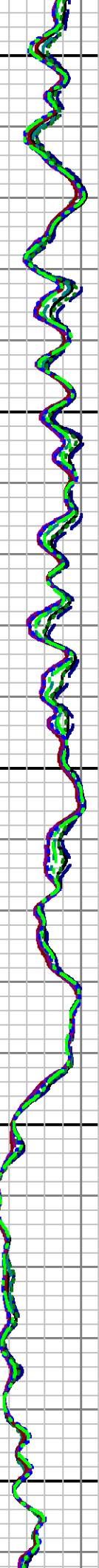
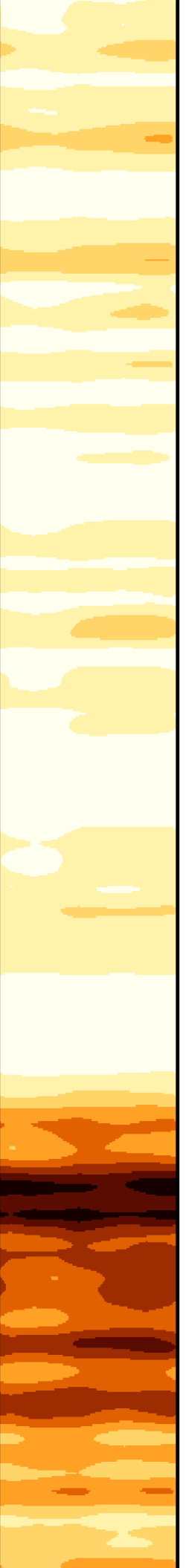


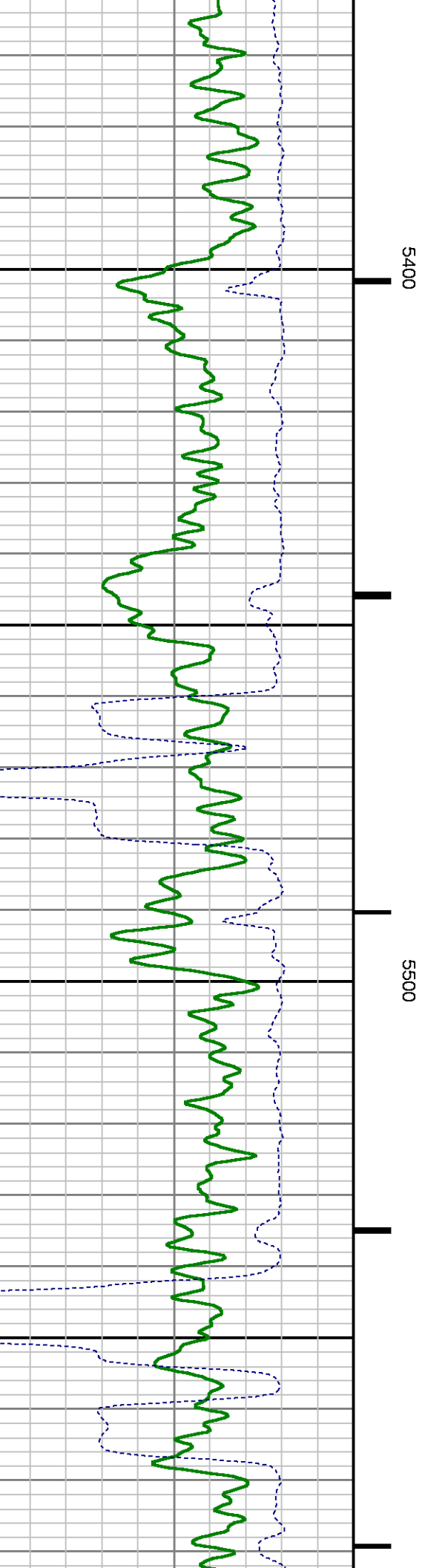
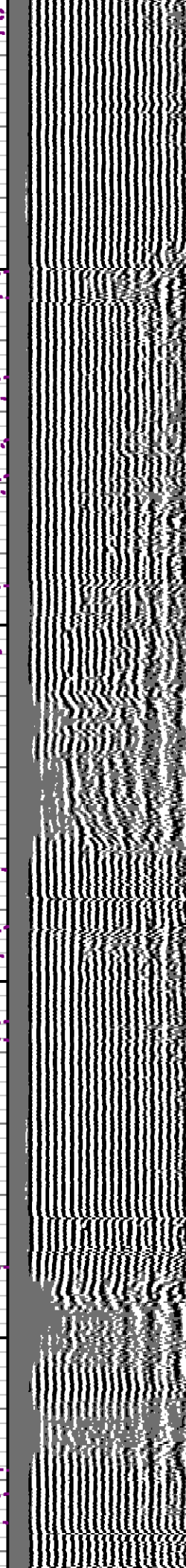
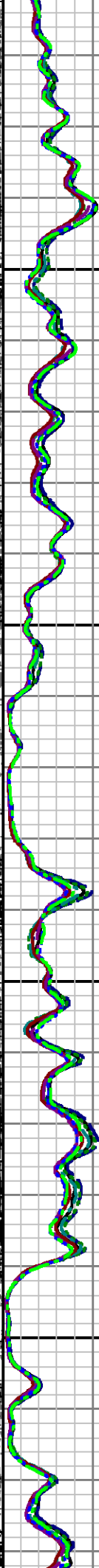
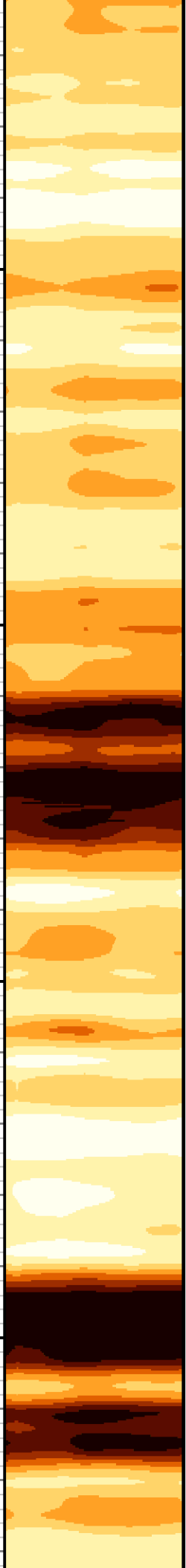


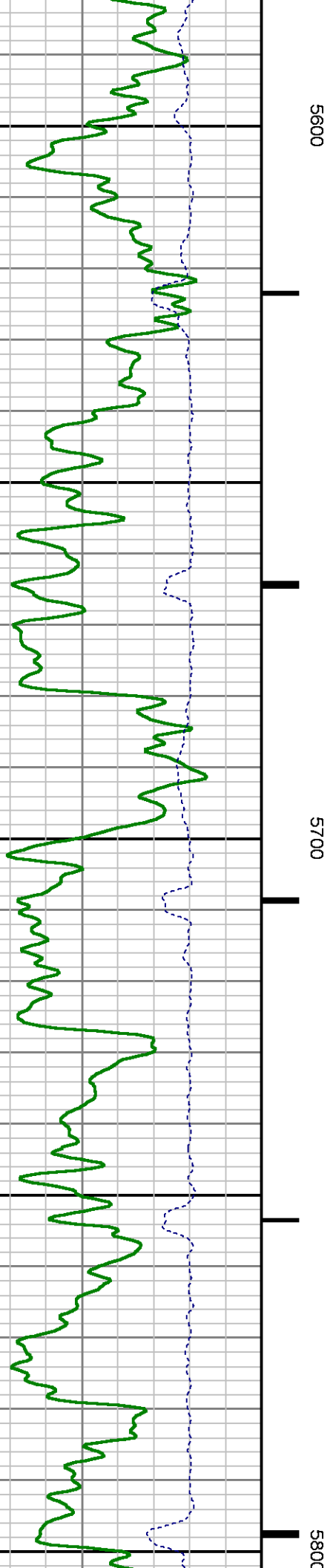
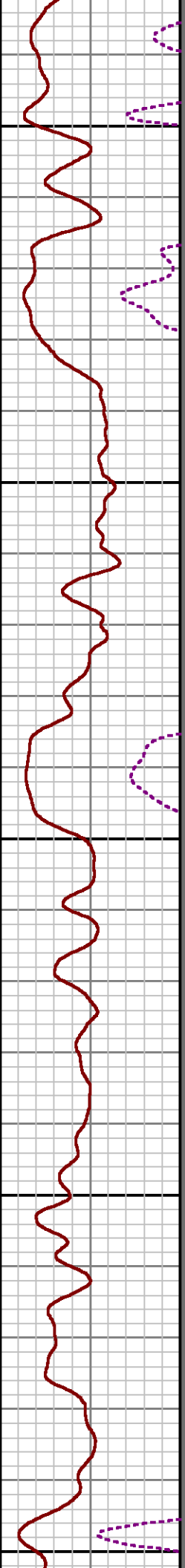
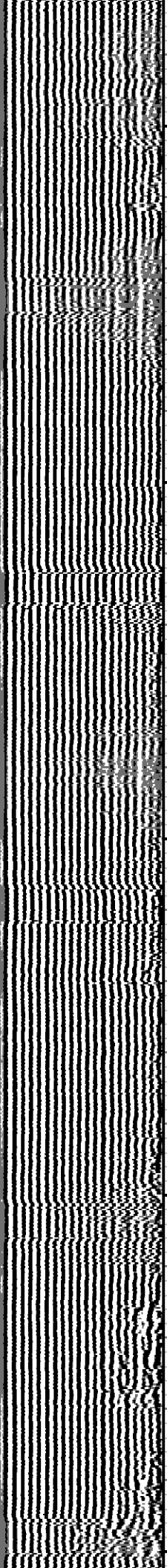
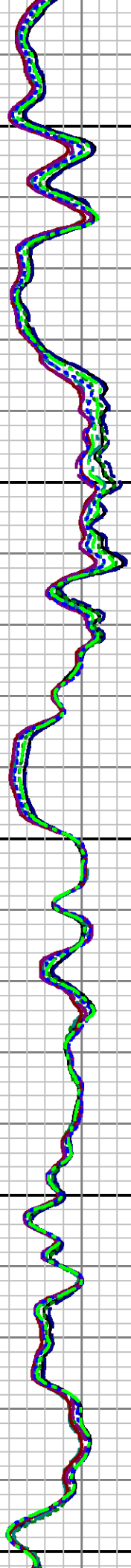
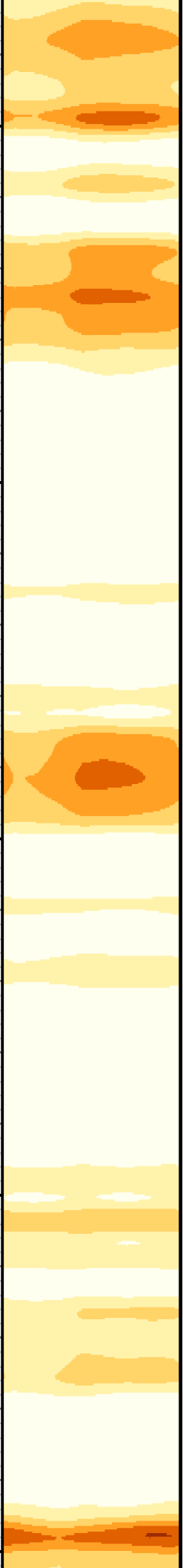
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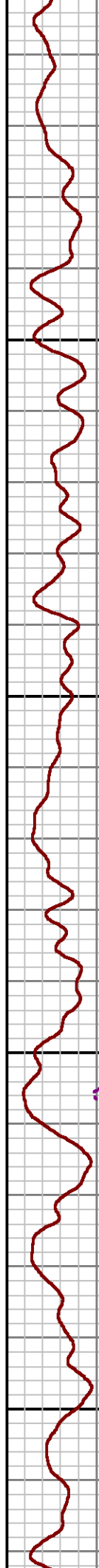
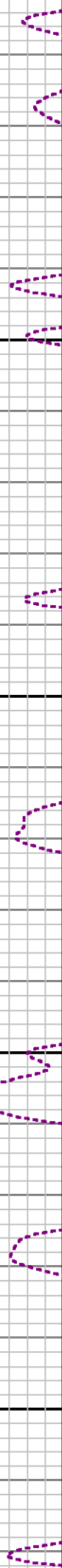
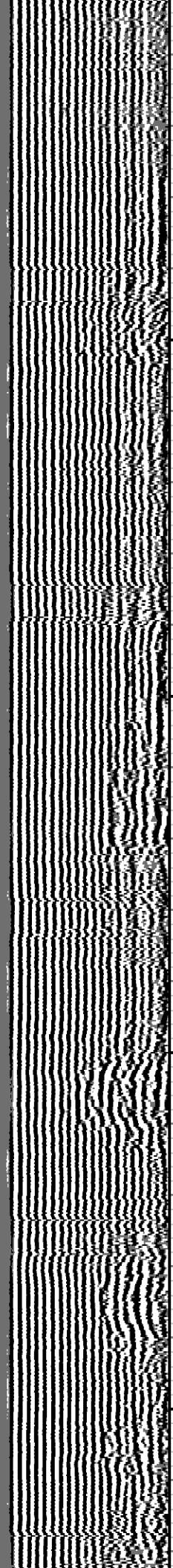
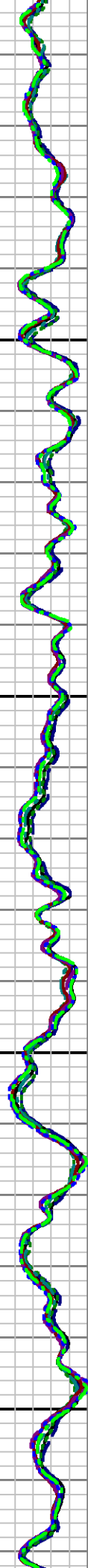
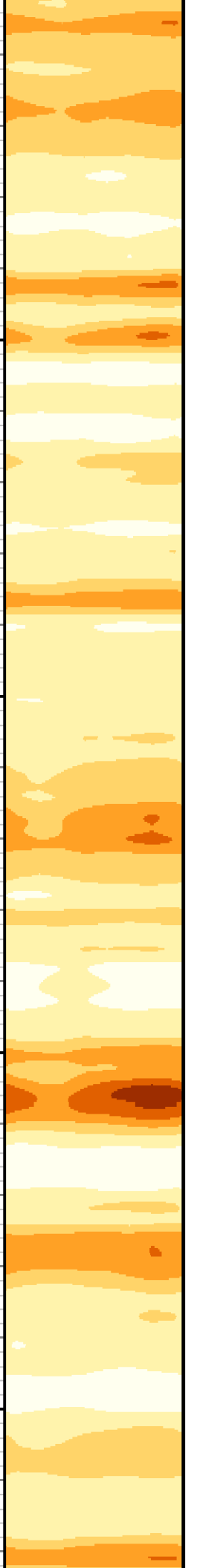
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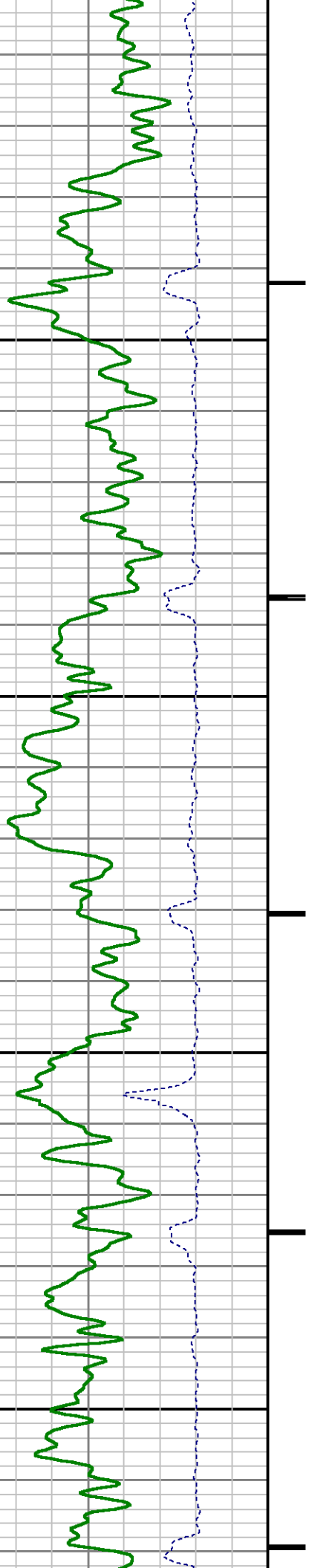


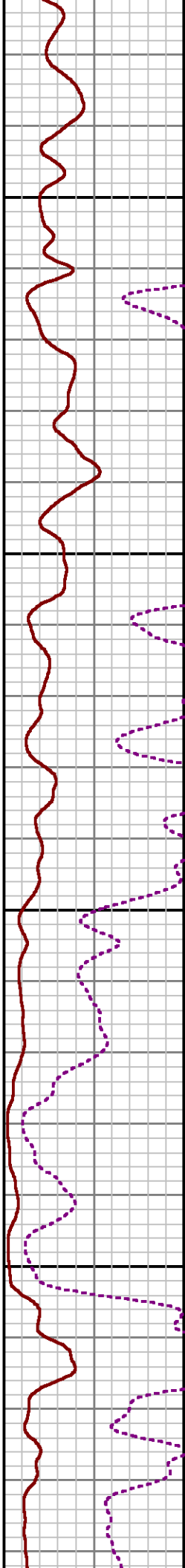
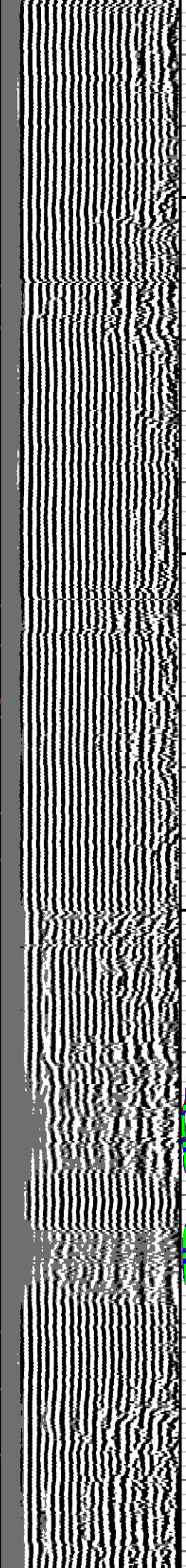
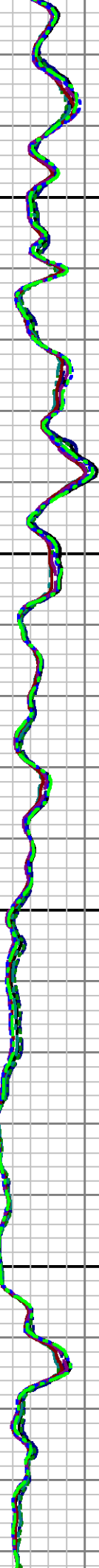
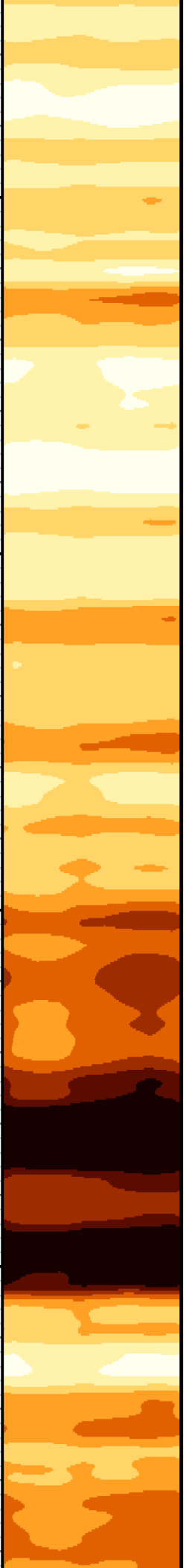




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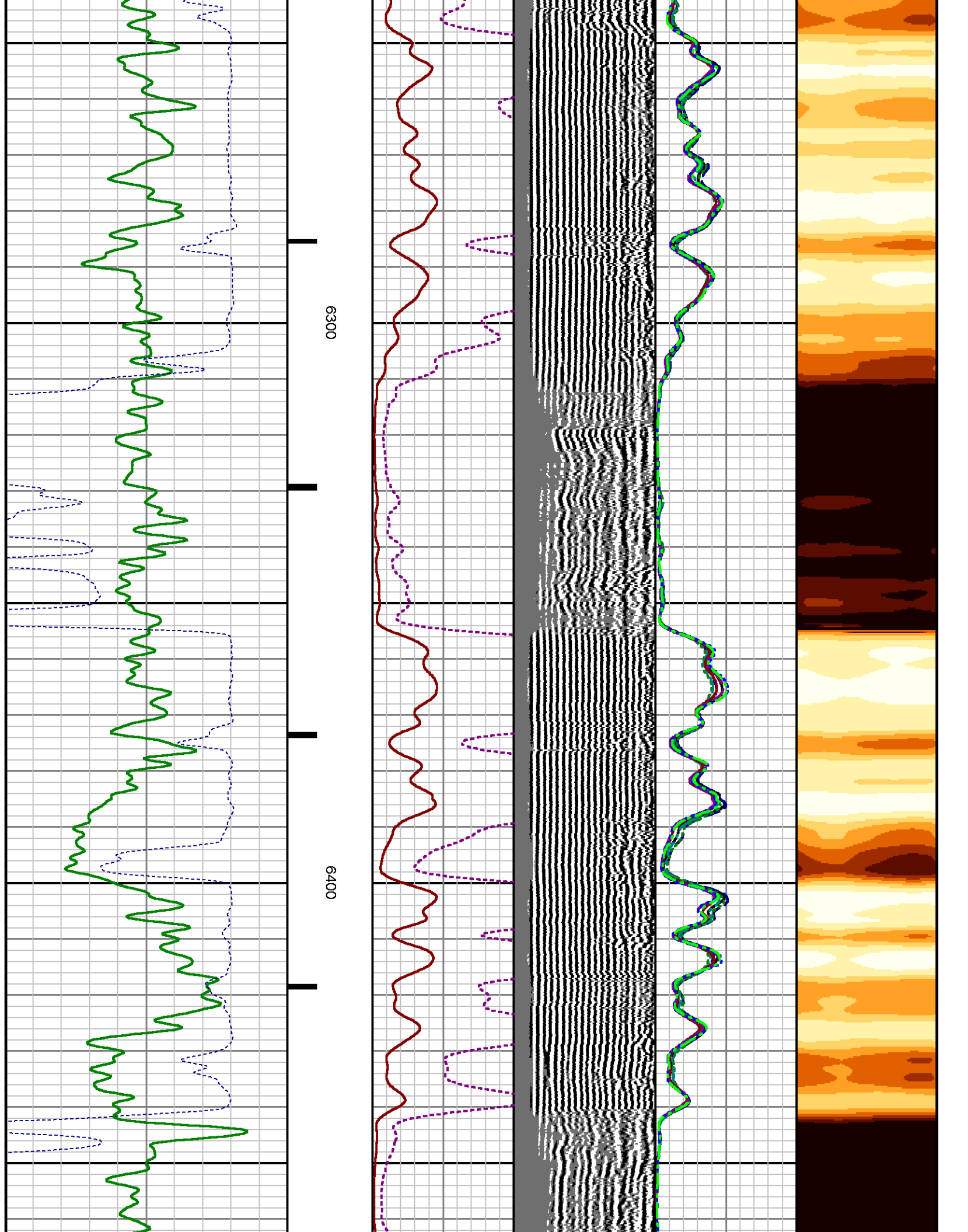
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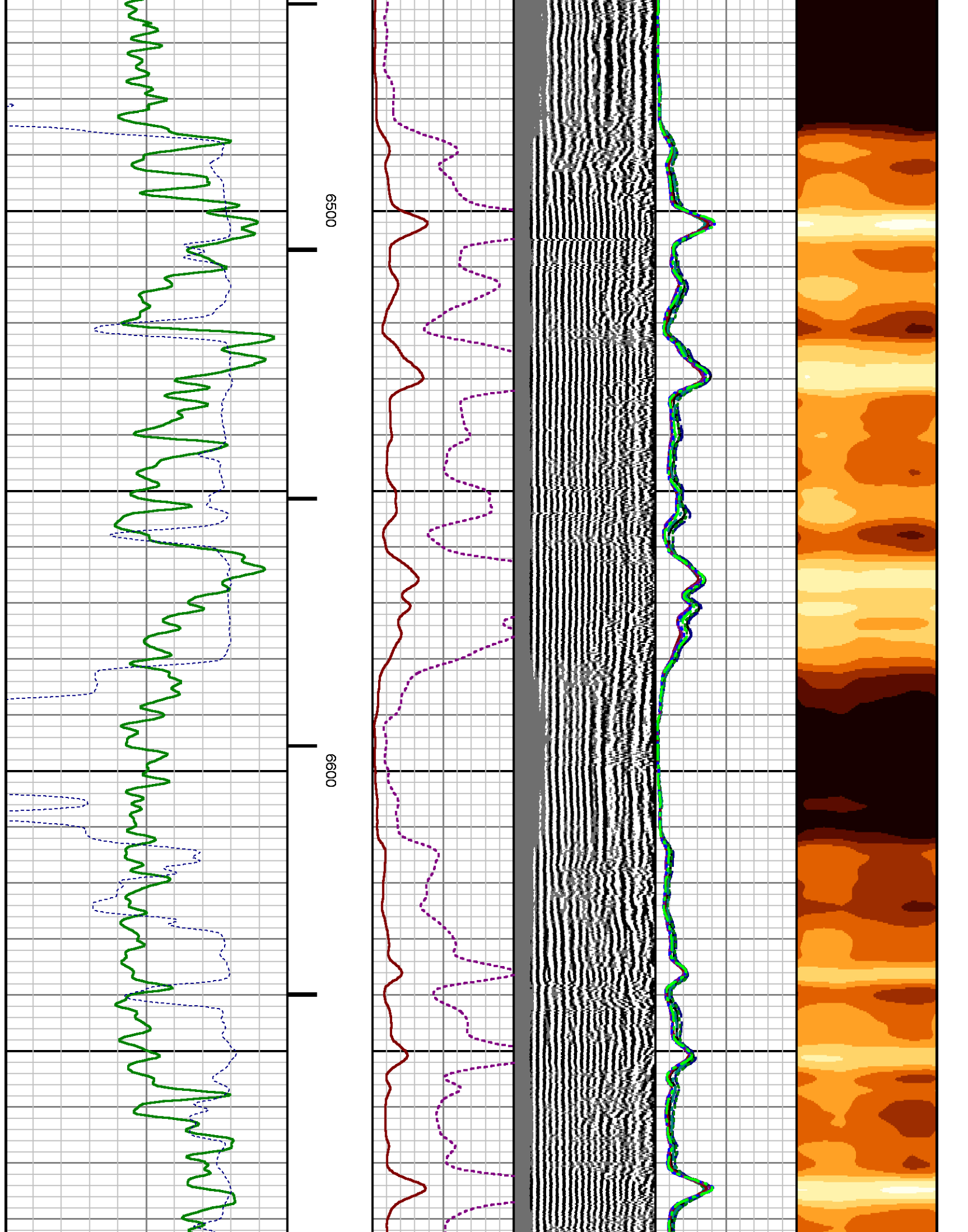


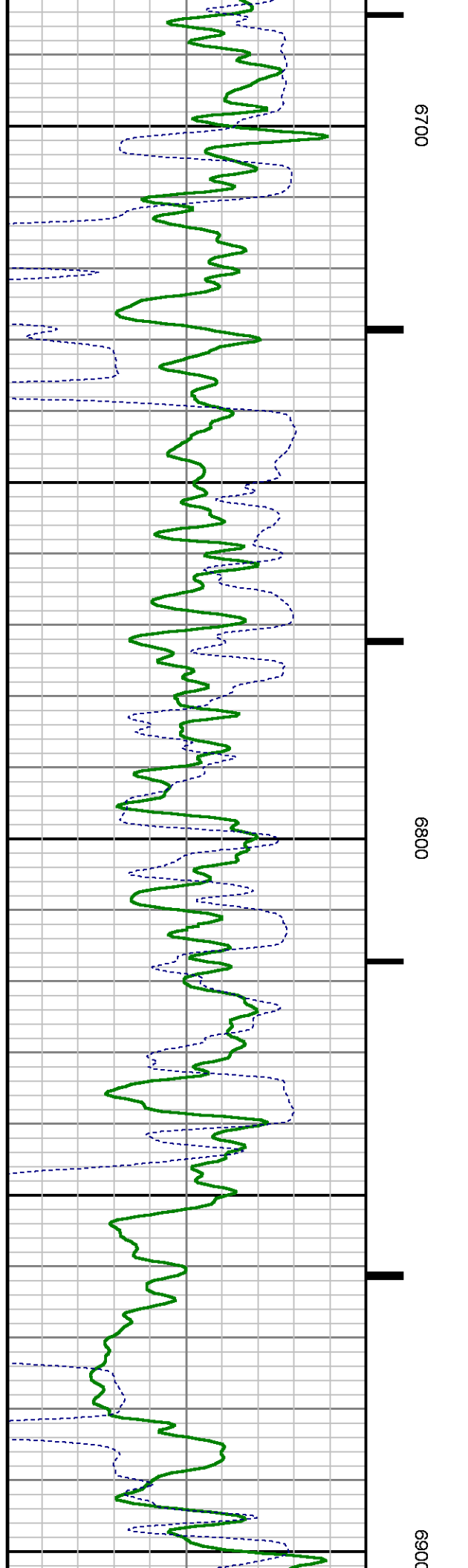
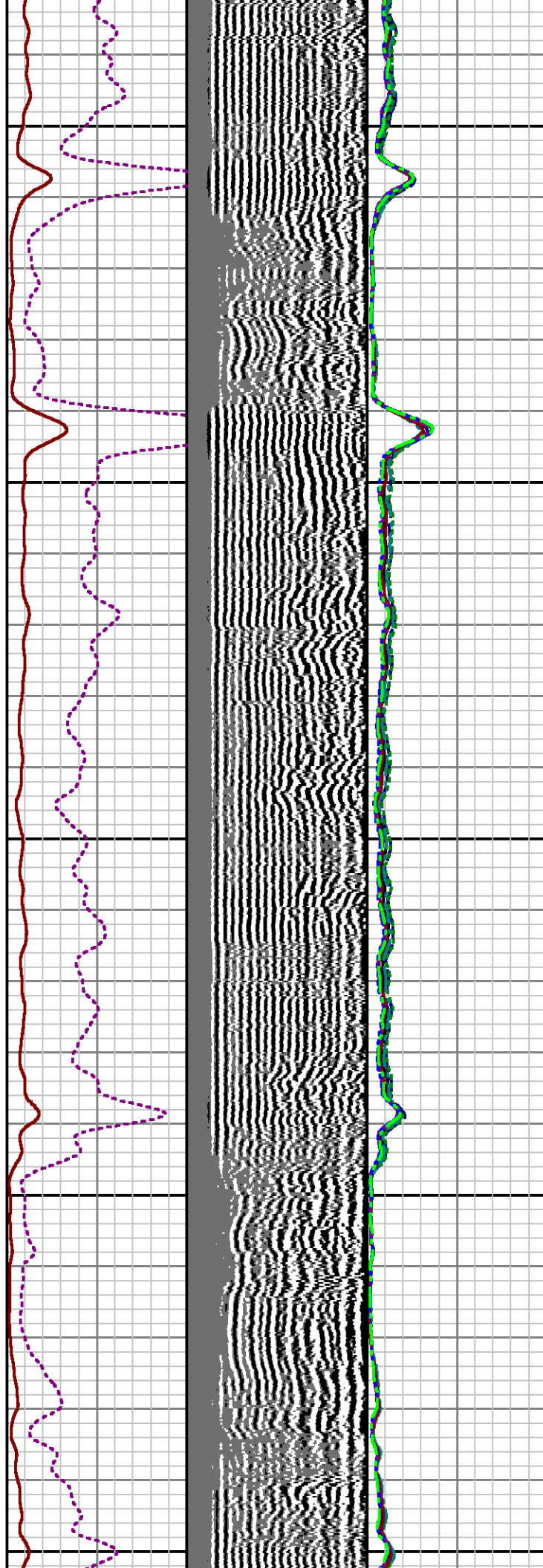
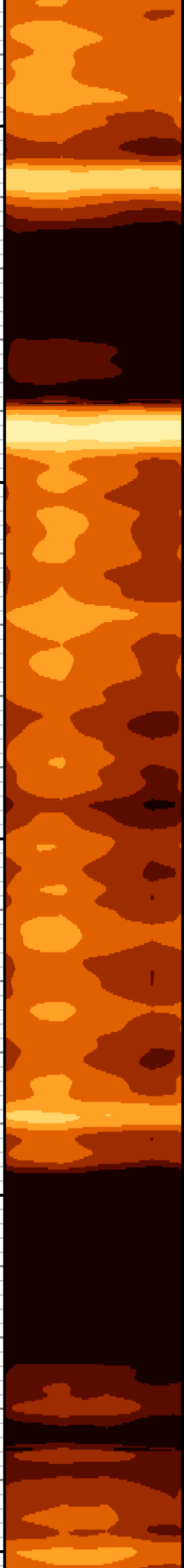


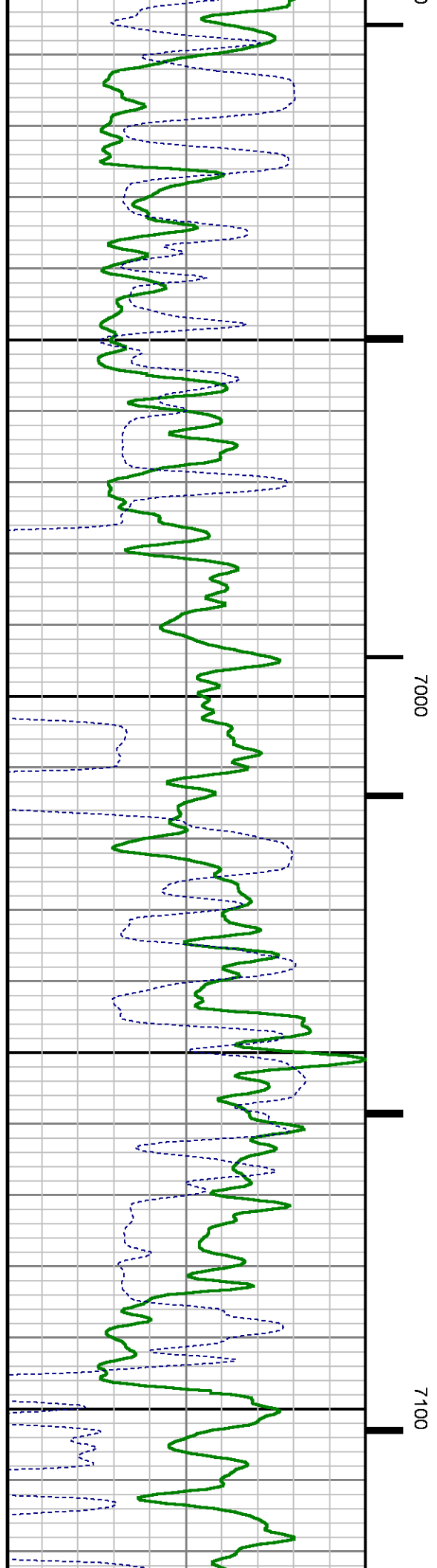
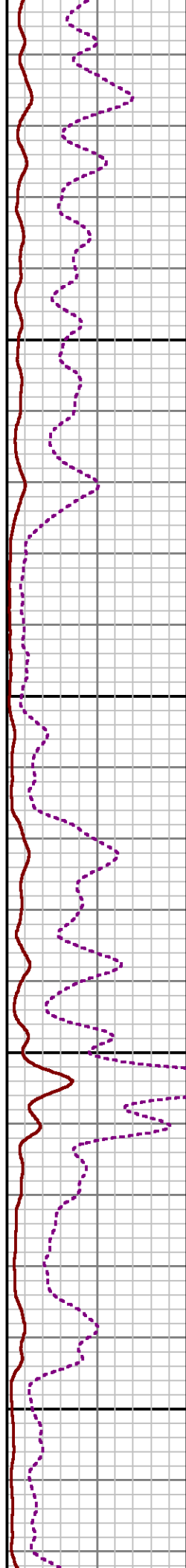
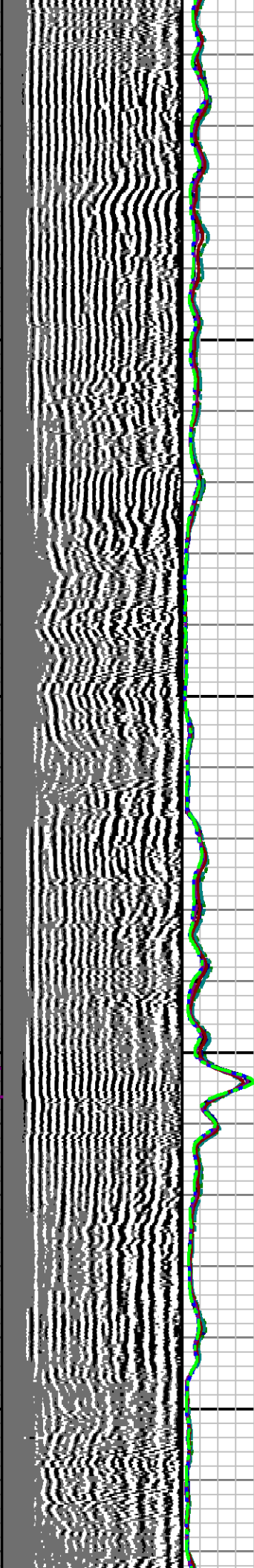
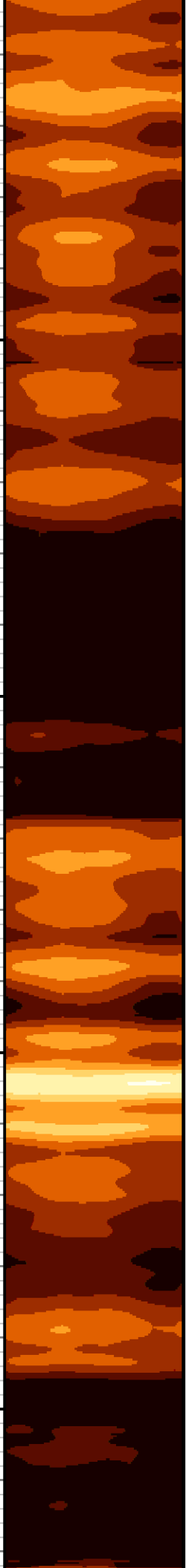
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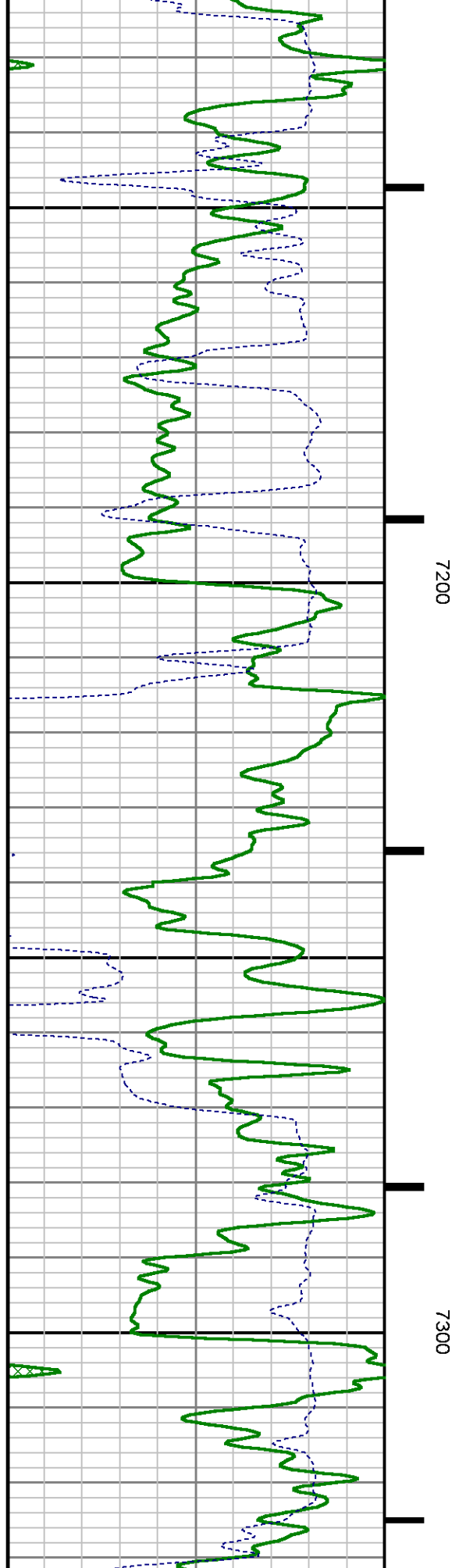
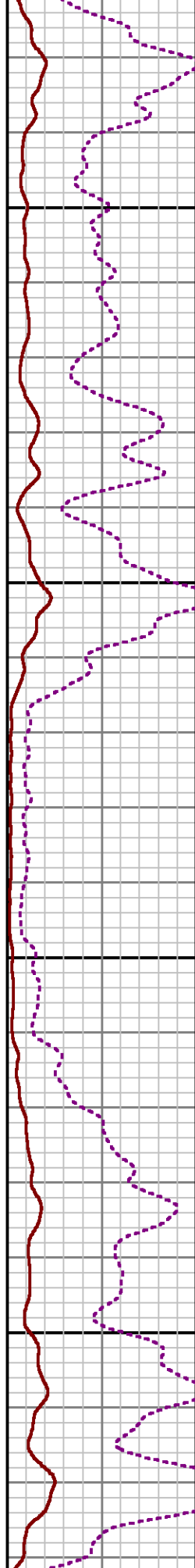
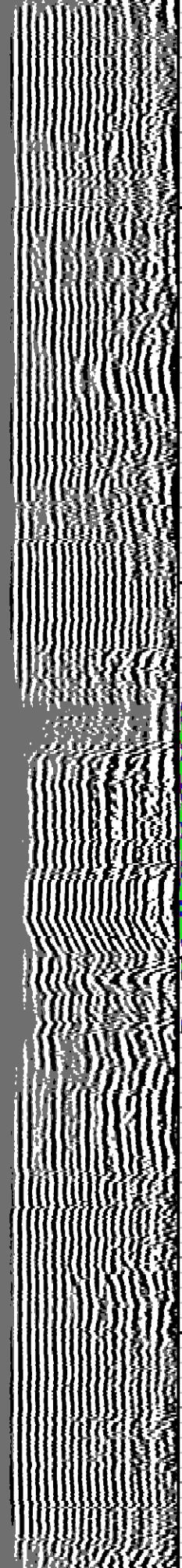
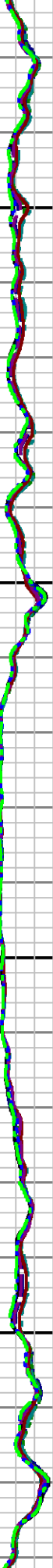
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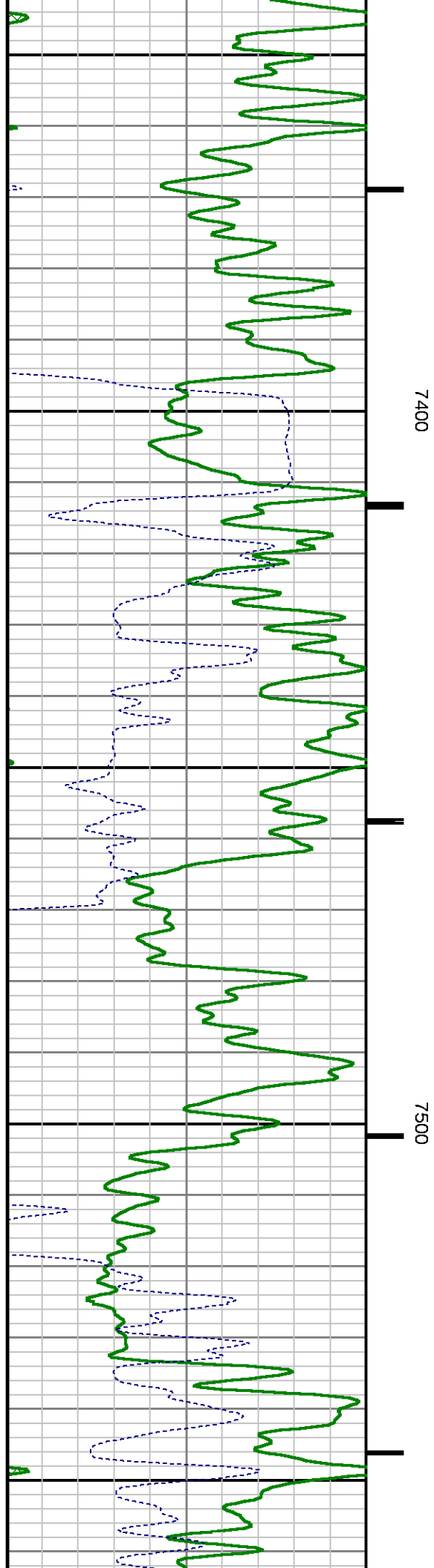
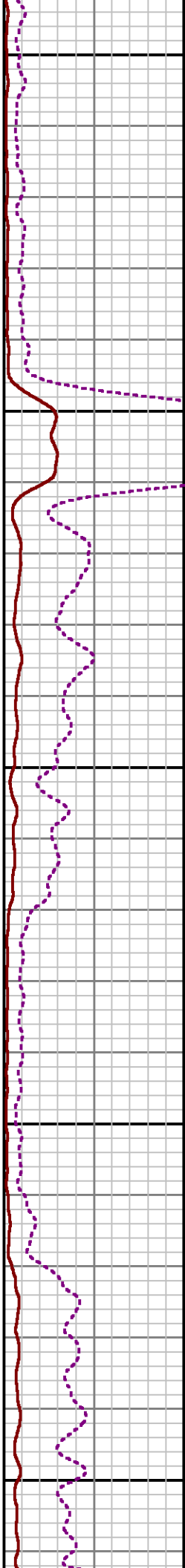
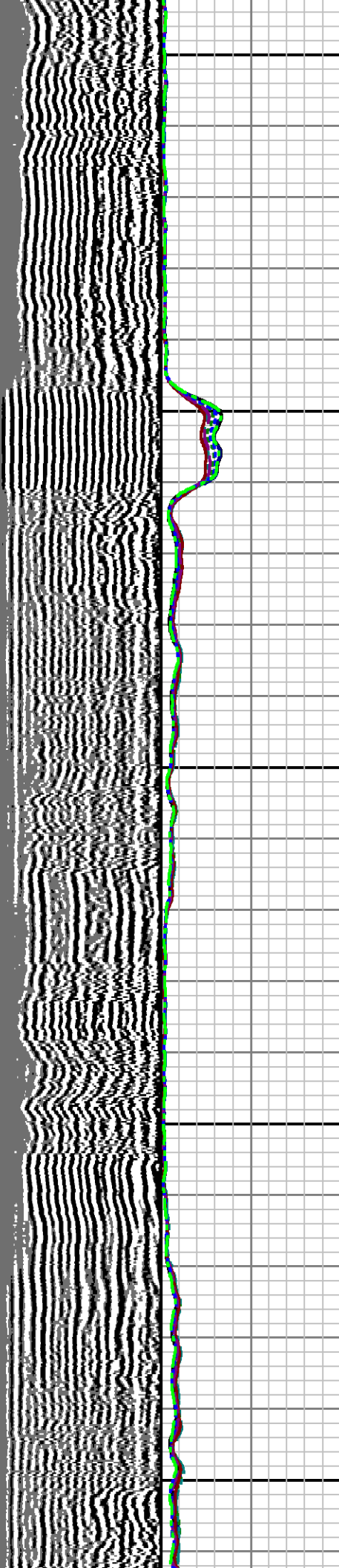
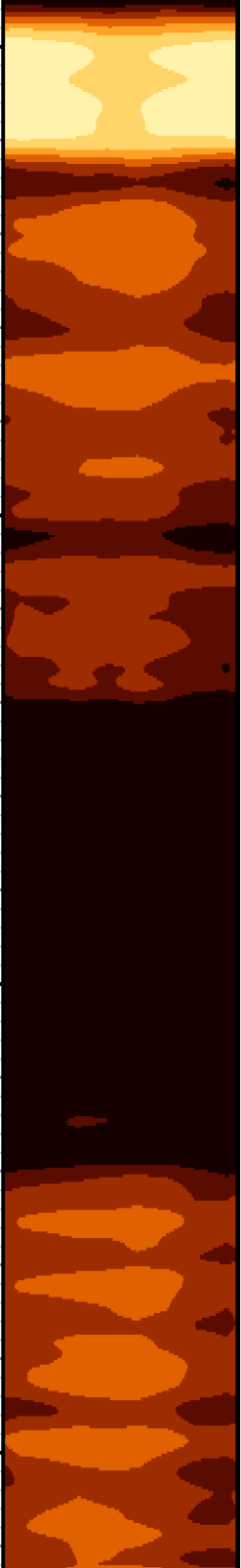


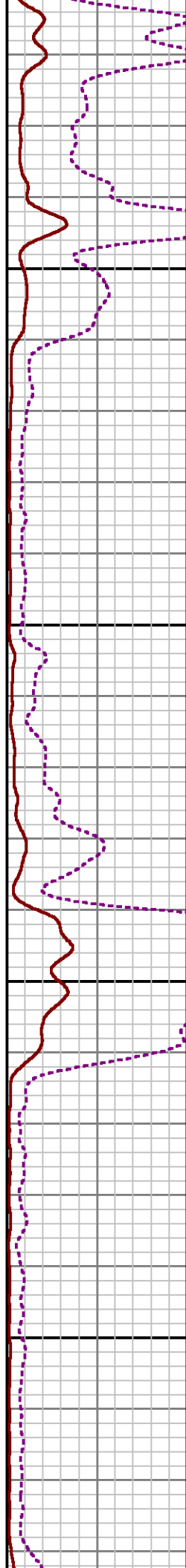
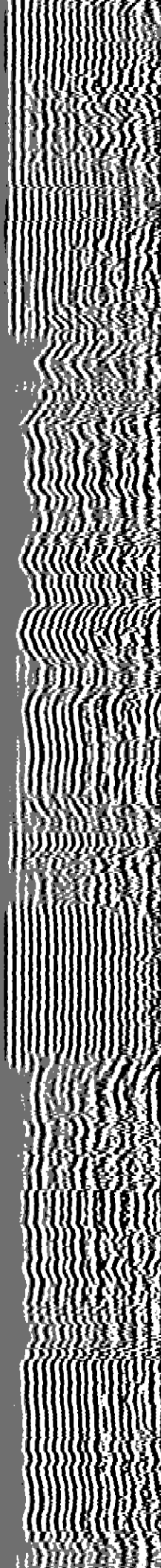
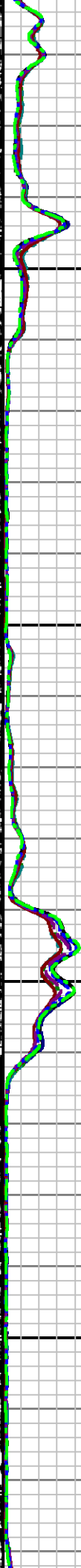
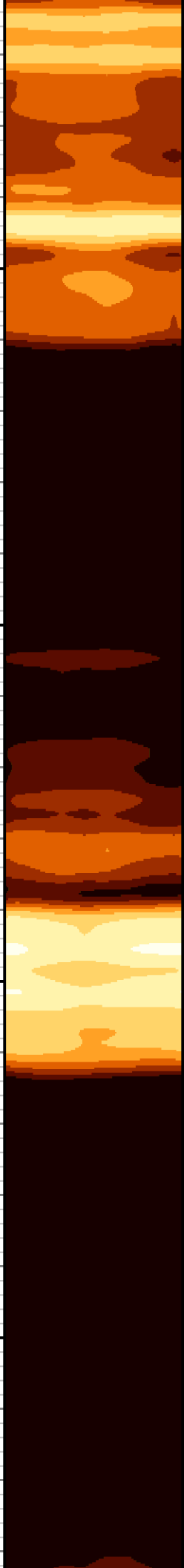






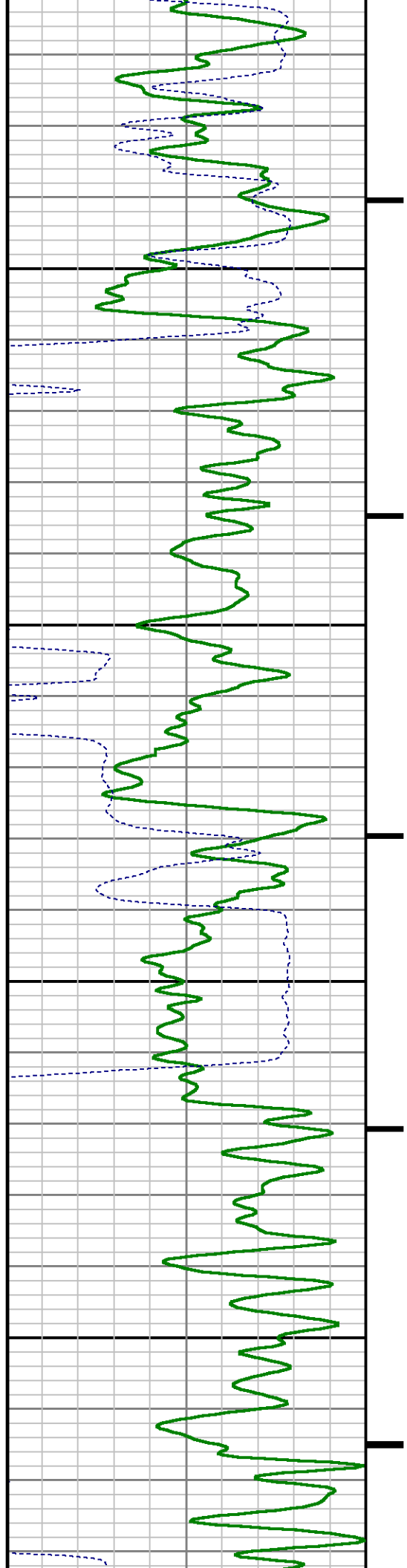


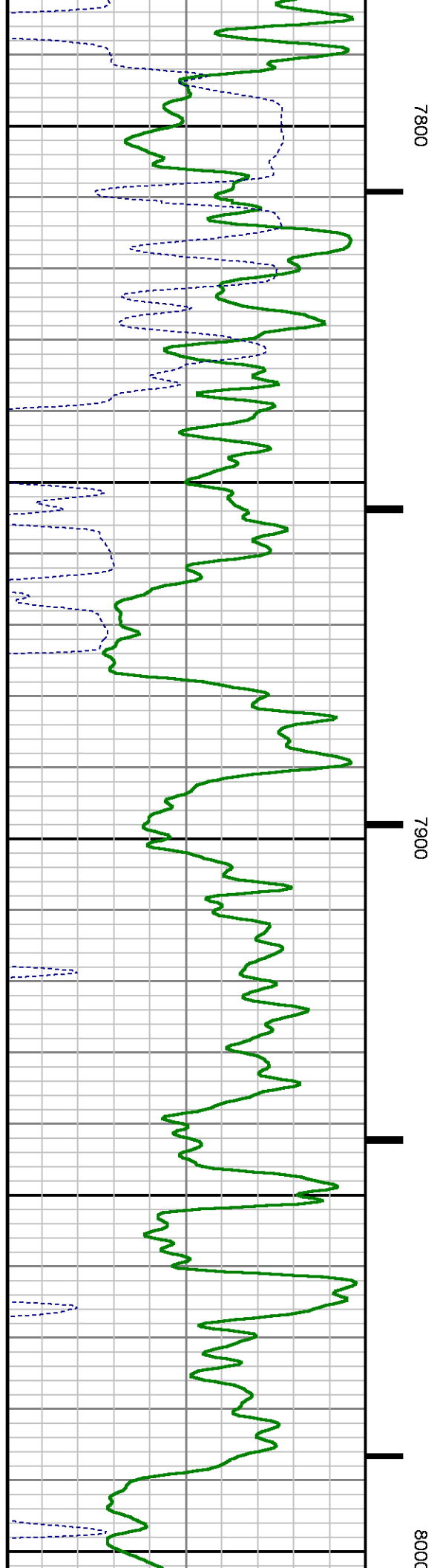
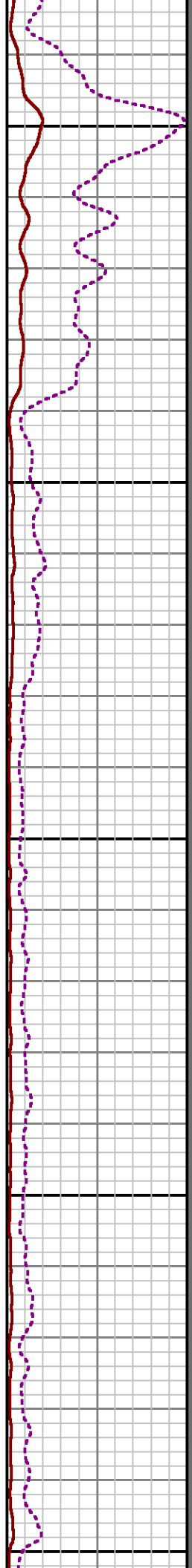
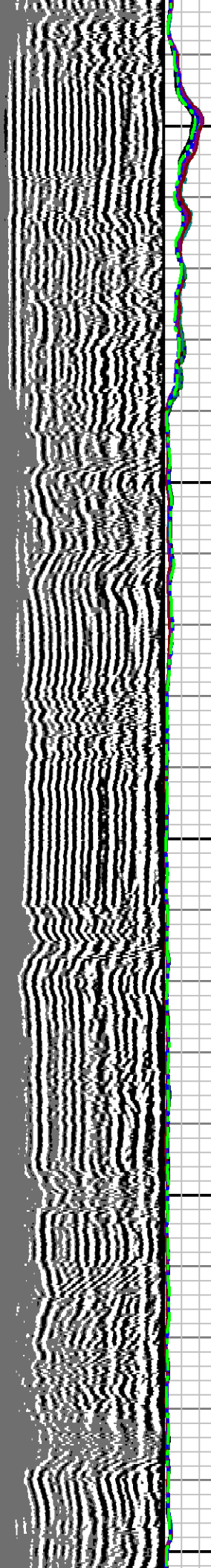


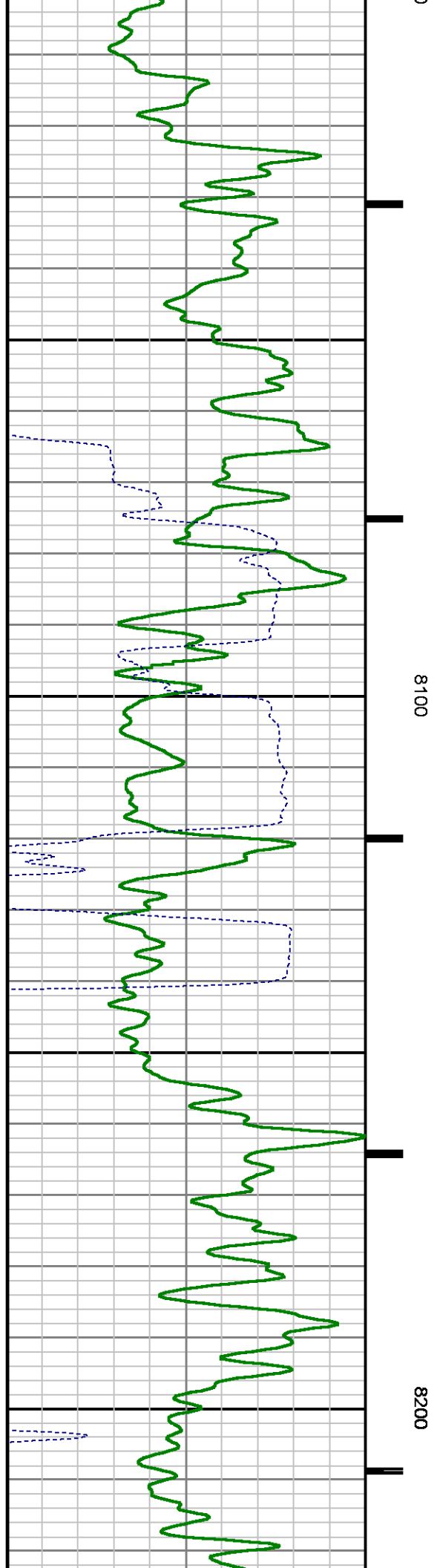
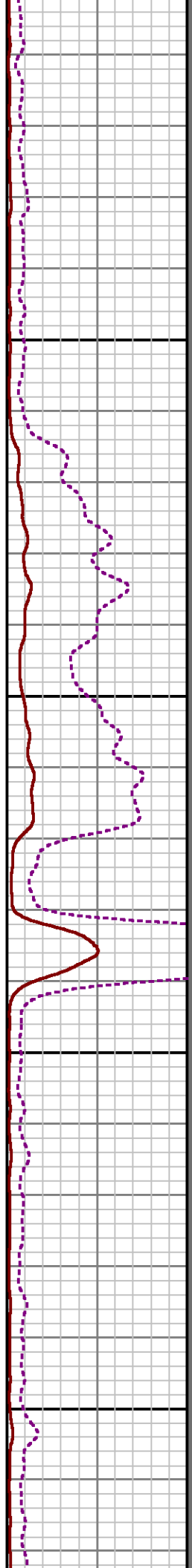
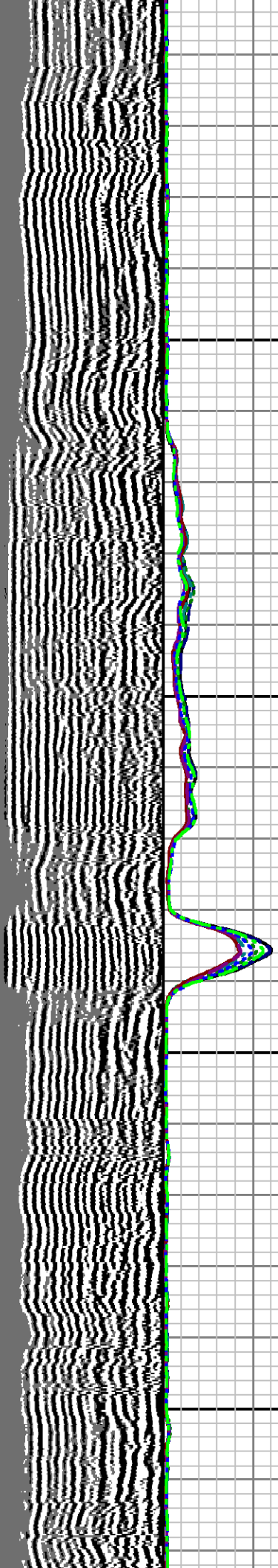


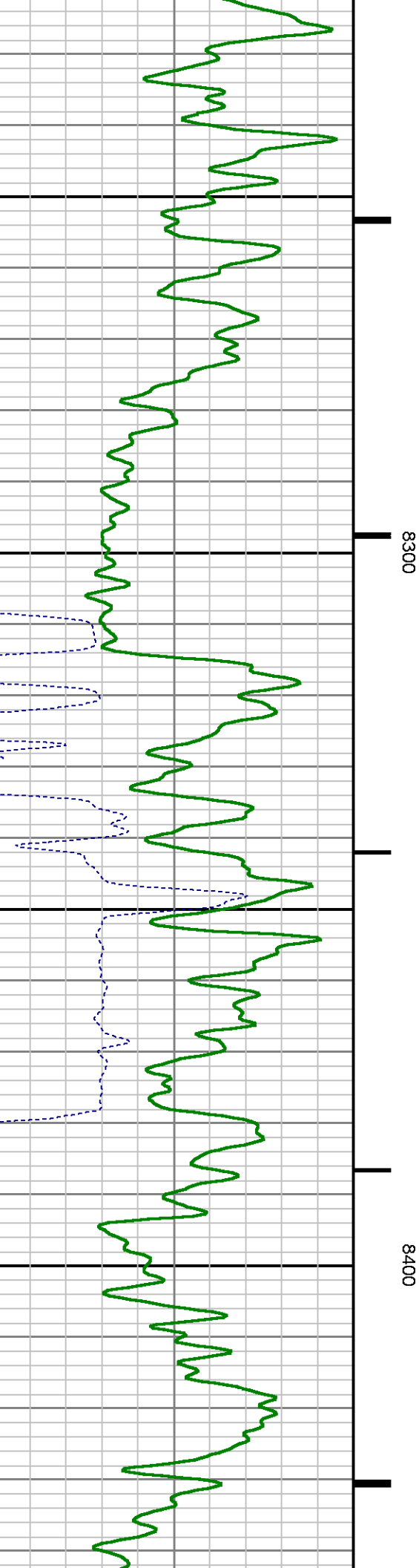
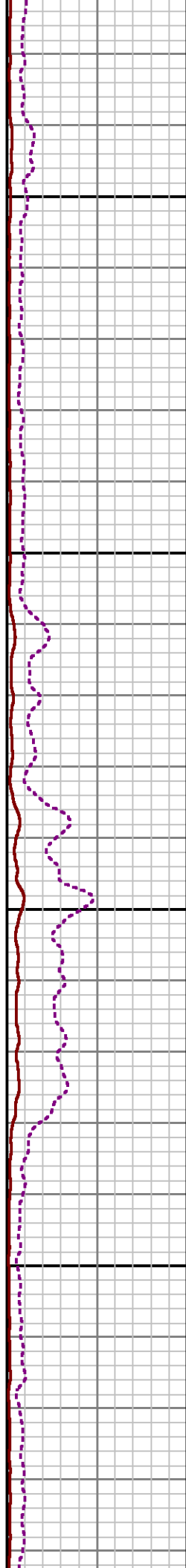
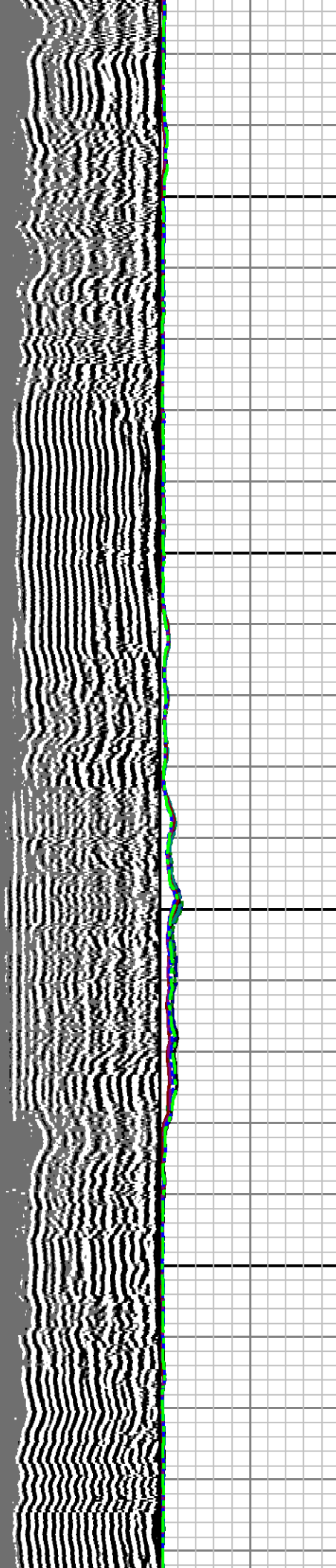
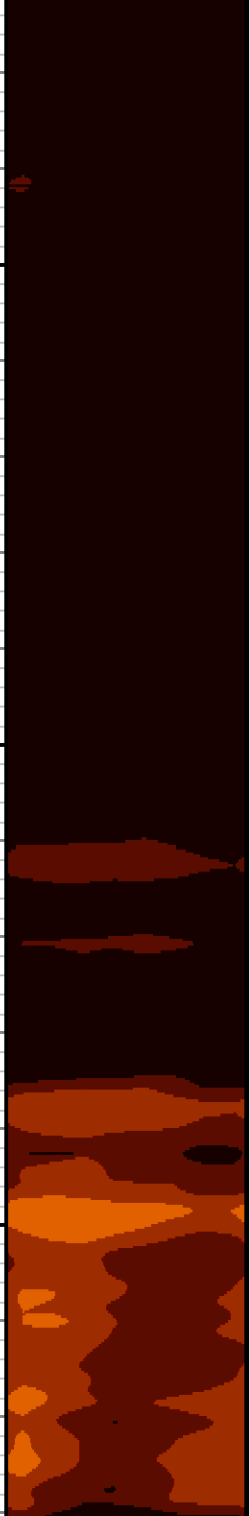
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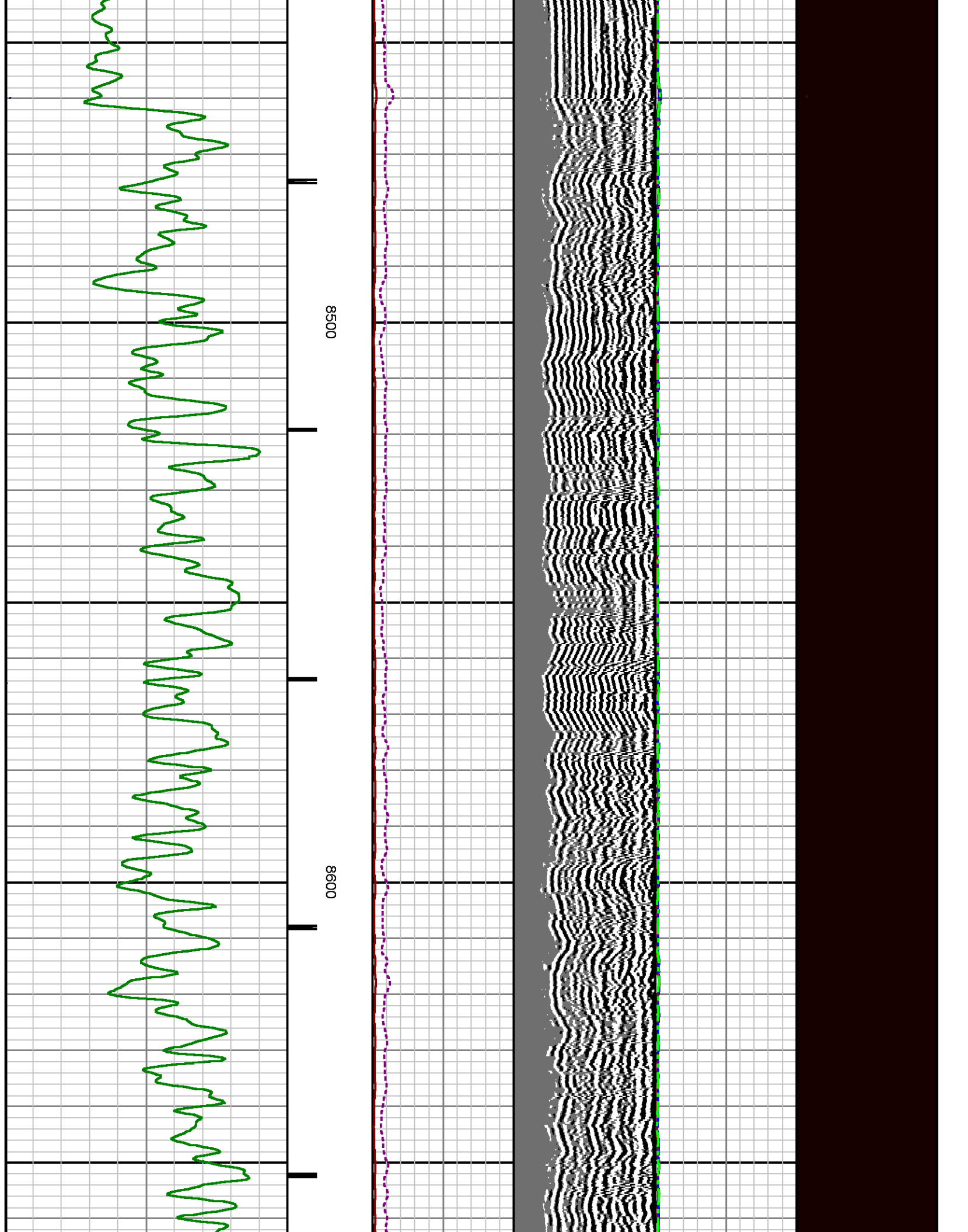
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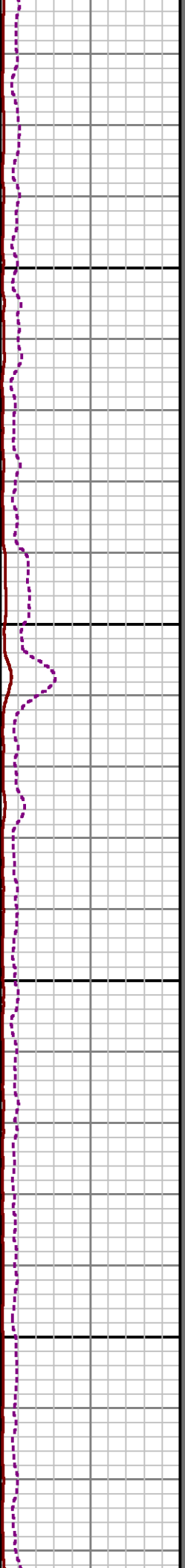
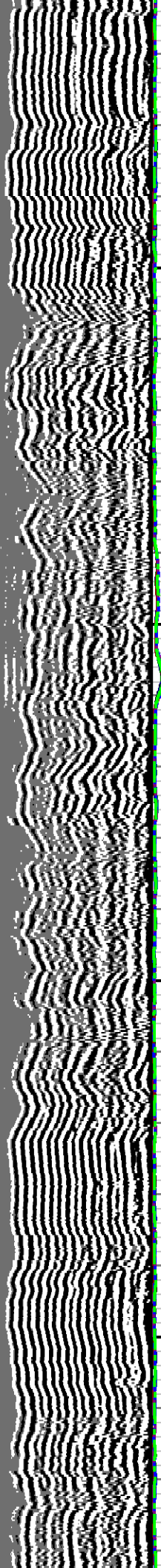






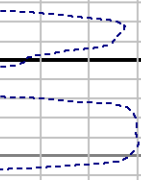
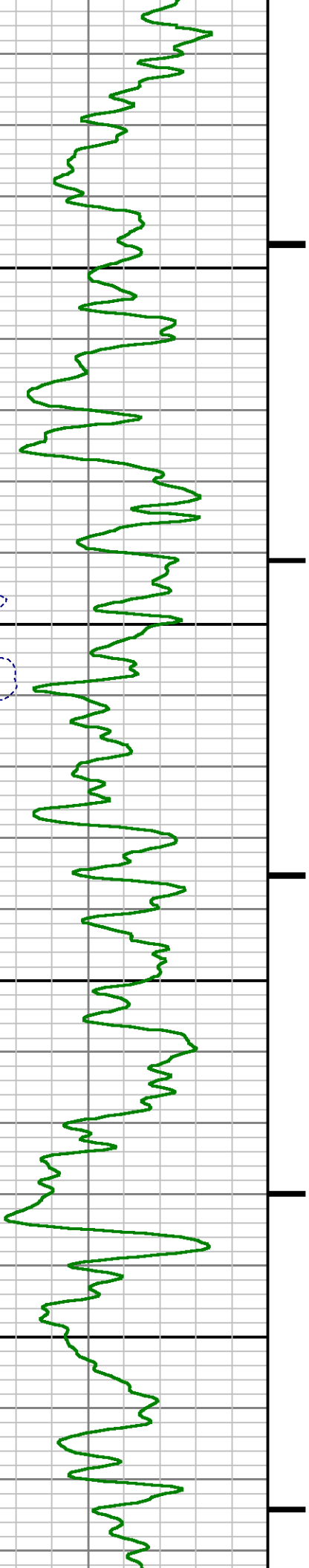


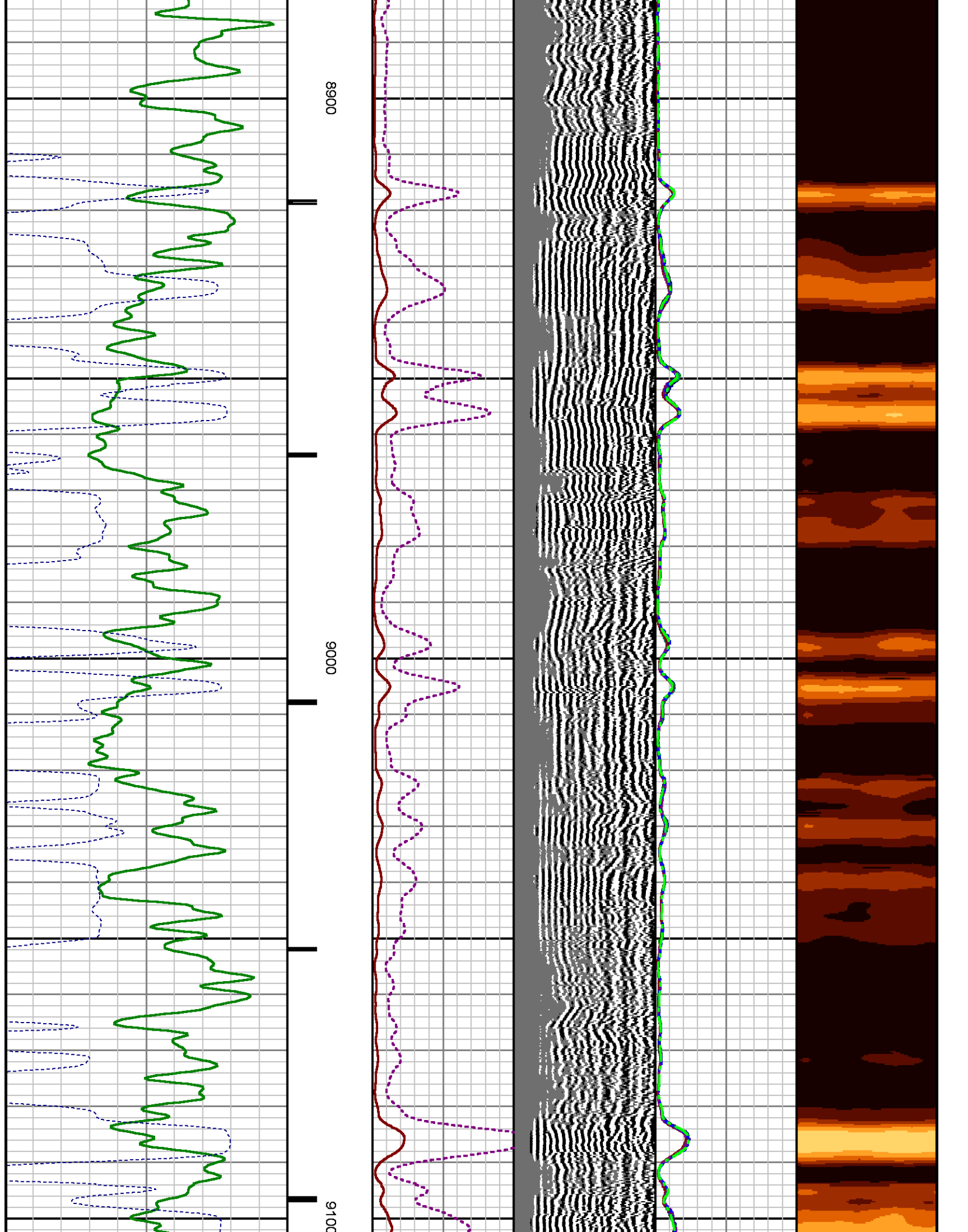


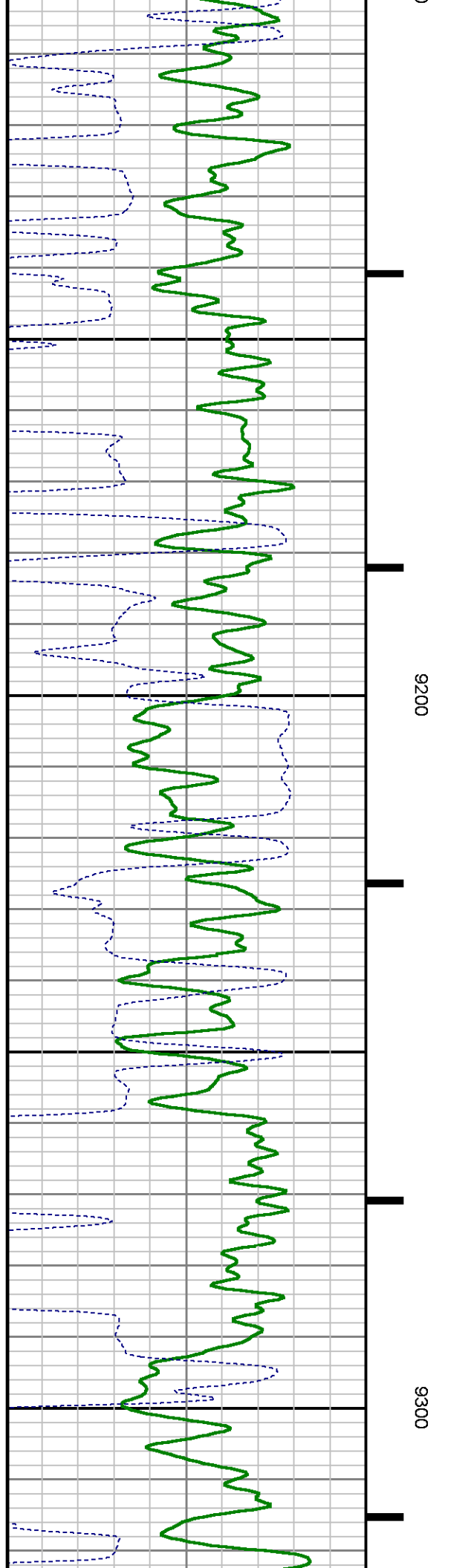
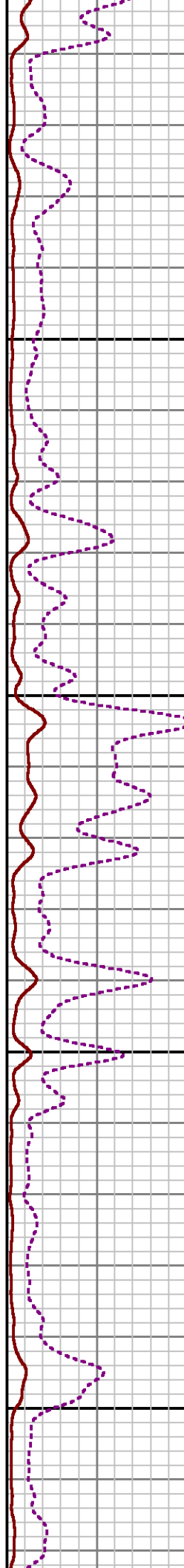
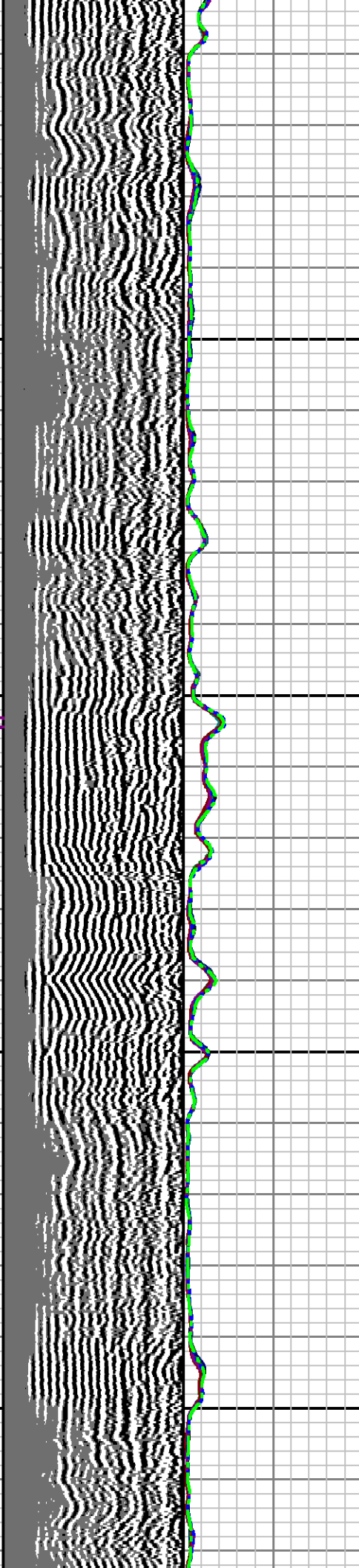
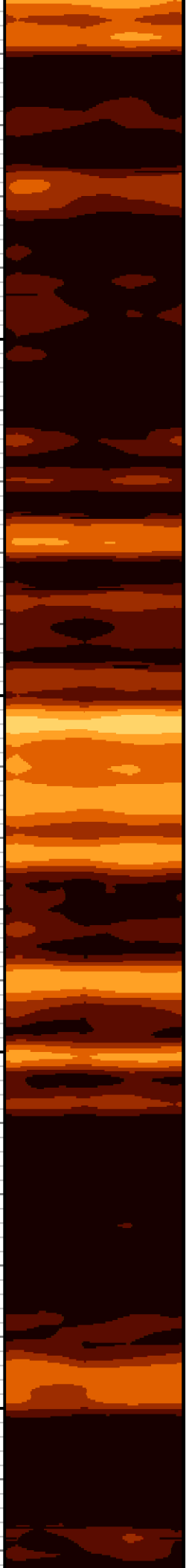


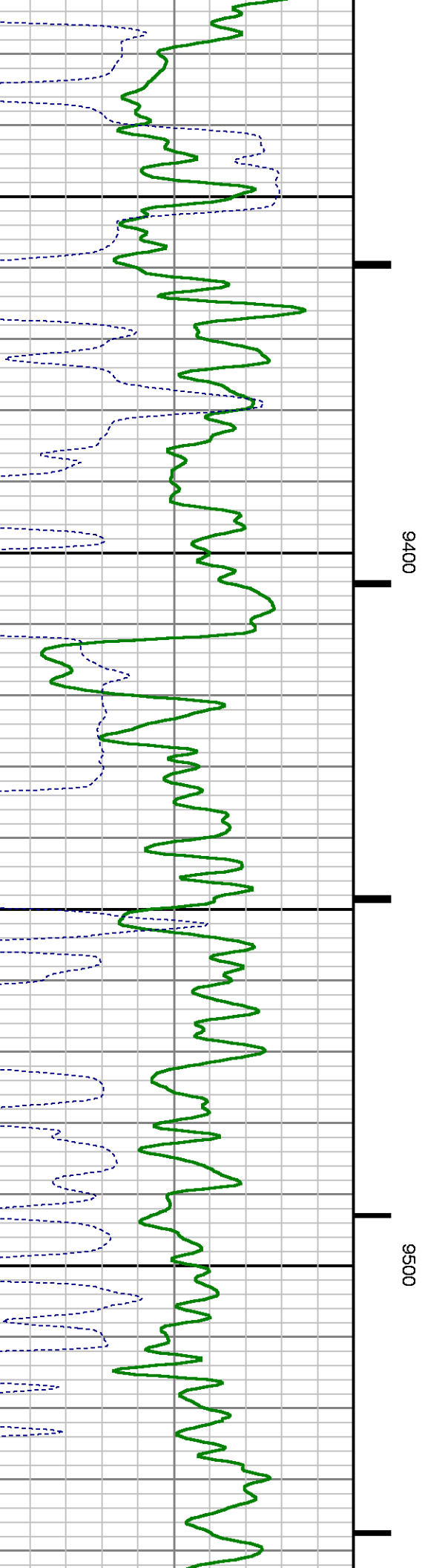
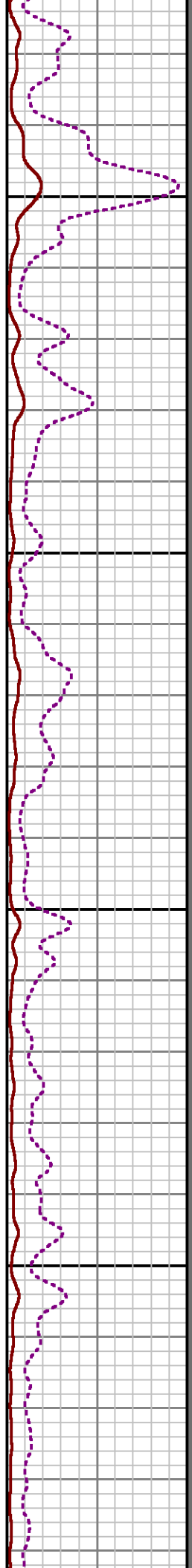
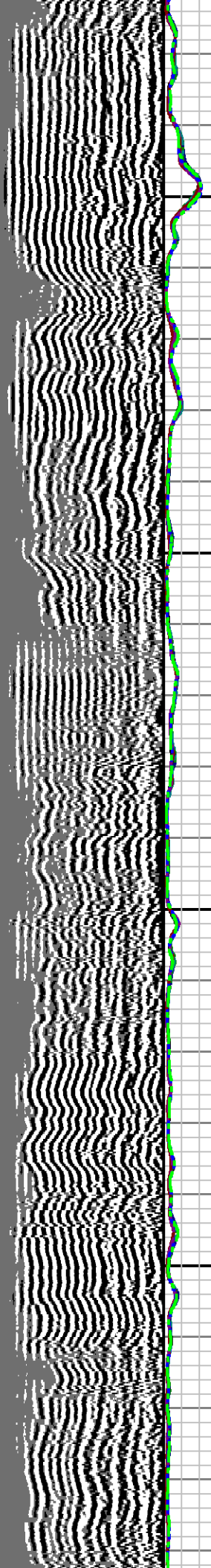
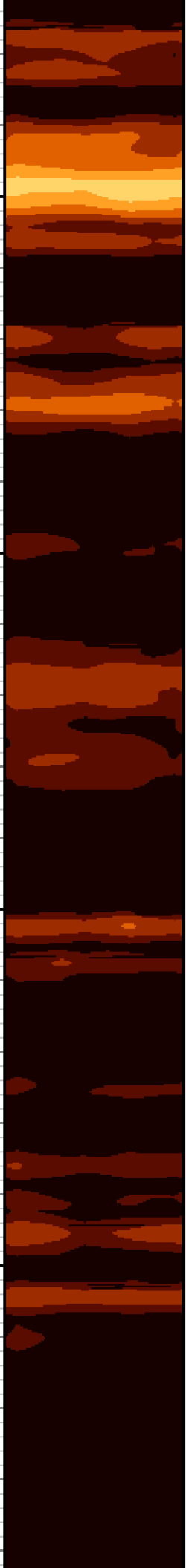
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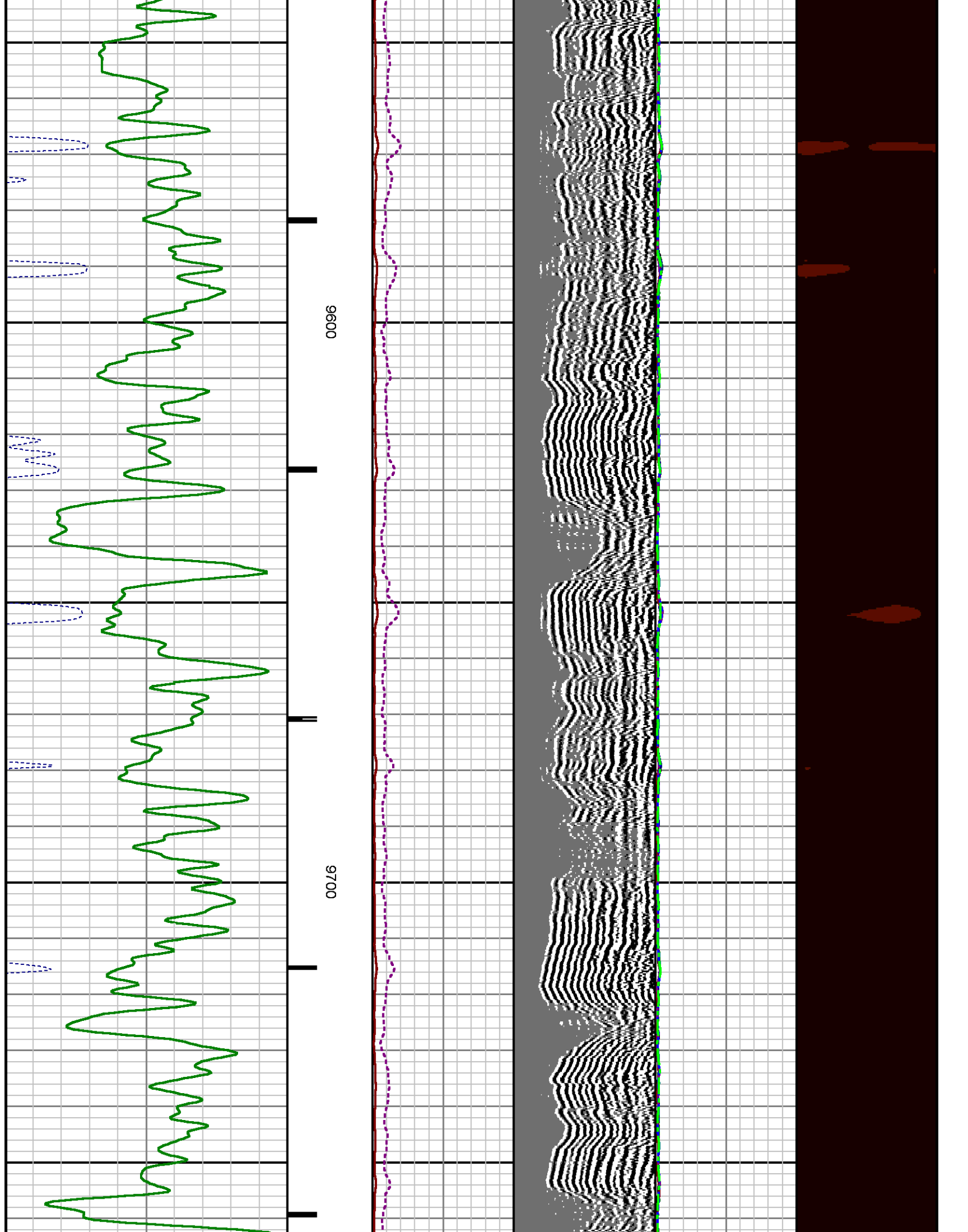
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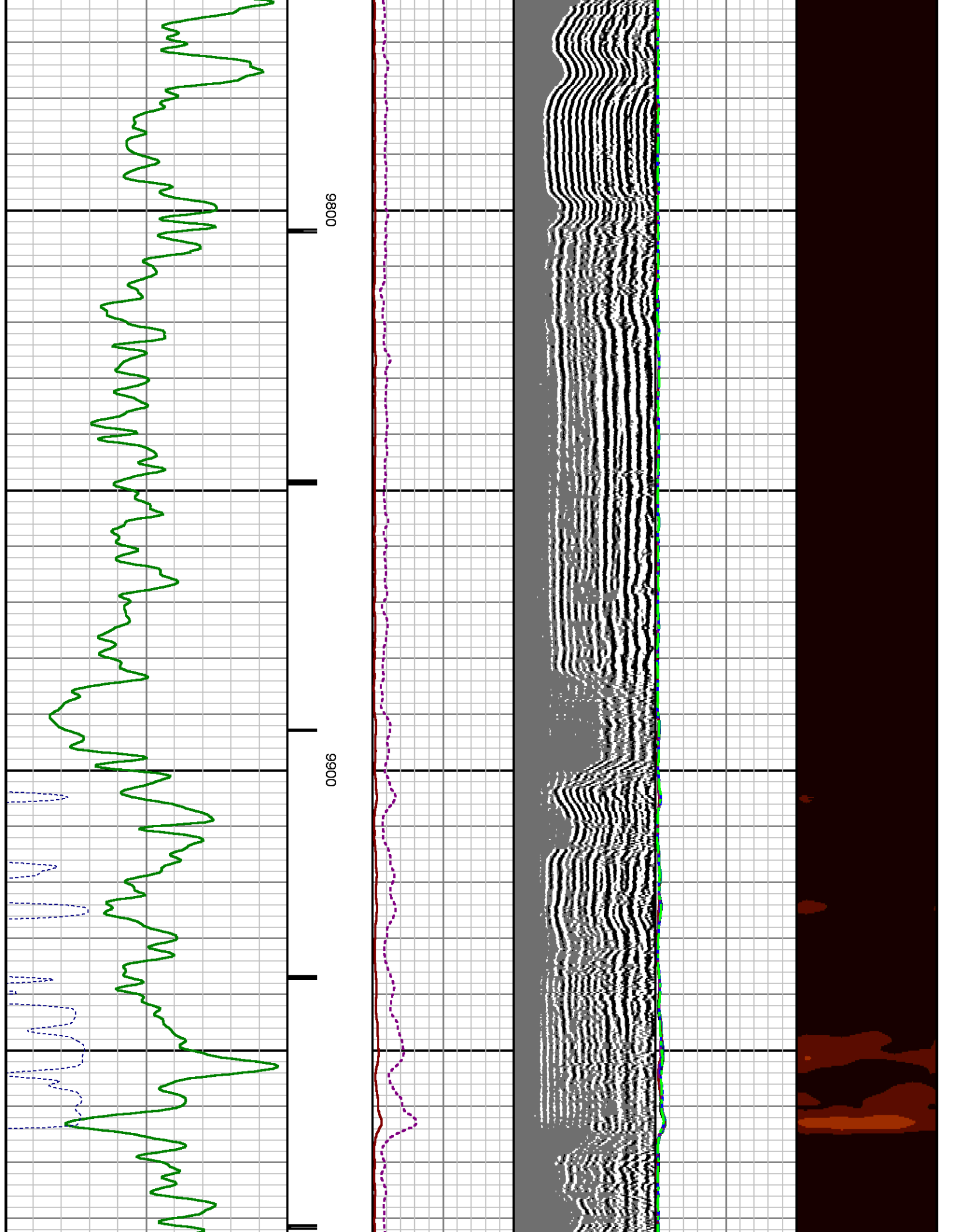


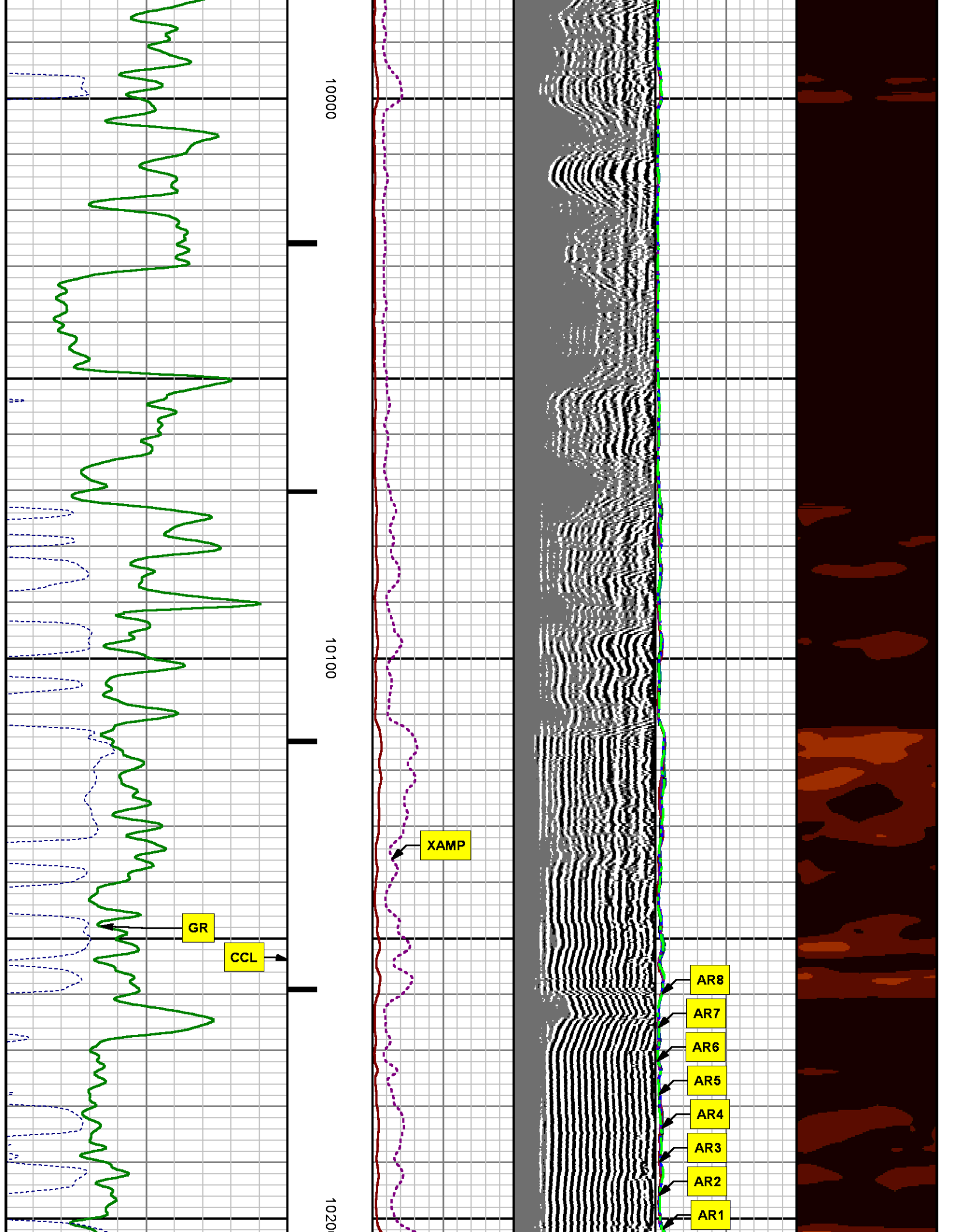


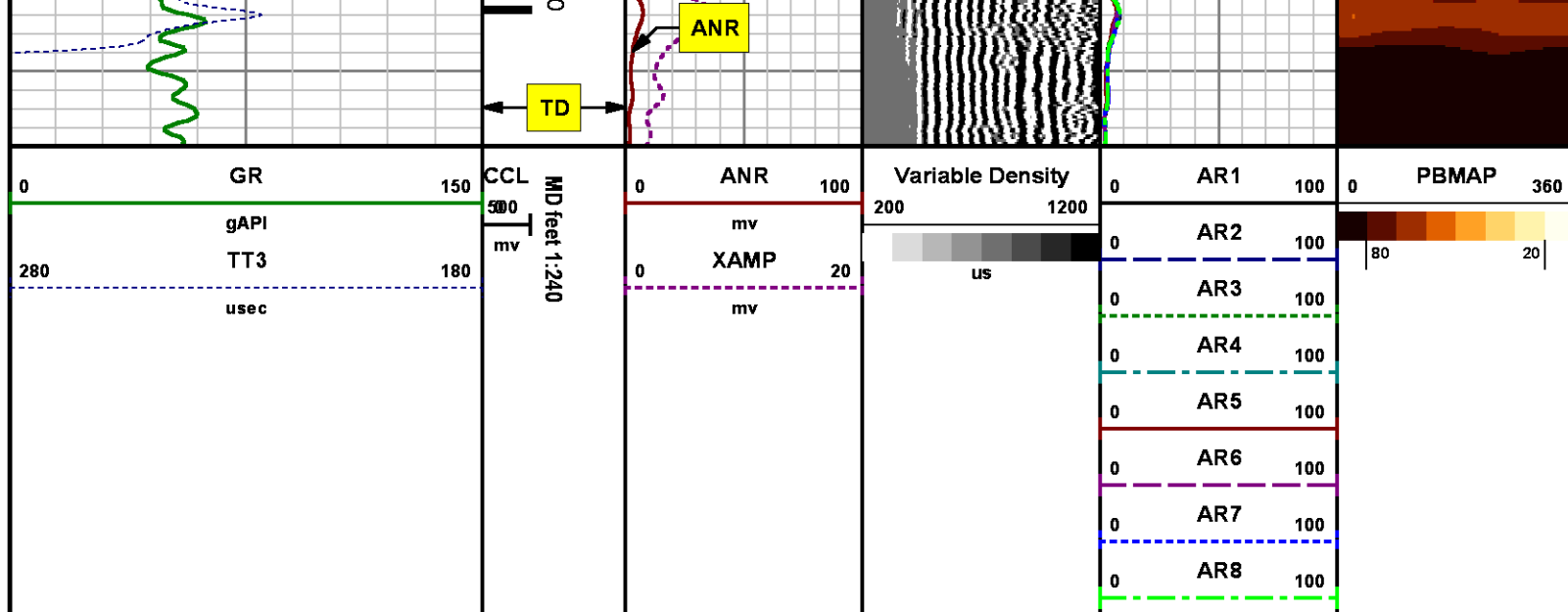












REPEAT SECTION
0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	9905.359	10233.609
RAL	Amp Gate Start Near	195.000	usec	9905.359	10233.609
RAL	Amp Gate Start Radial	195.000	usec	9905.359	10233.609
RAL	Amp Gate Width Far	25.000	usec	9905.359	10233.609
RAL	Amp Gate Width Near	25.000	usec	9905.359	10233.609
RAL	Amp Gate Width Radial	25.000	usec	9905.359	10233.609
RAL	casing od	4.500	inches	9905.359	10233.609
RAL	casing wt	11.600	lbm/ft	9905.359	10233.609
RAL	FB Start Far	291.900	usec	9905.359	10233.609
RAL	FB Start Near	180.000	usec	9905.359	10233.609
RAL	FB Start Radial	180.000	usec	9905.359	10233.609
RAL	FB Thresh Far	15.000	mv	9905.359	10233.609
RAL	FB Thresh Near	10.000	mv	9905.359	10233.609
RAL	FB Thresh Radial	10.000	mv	9905.359	10233.609
RAL	Fluid Travel Time	200.000	usec/ft	9905.359	10233.421

DEPTH OFFSETS

(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES							
1426XA	-12.360	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	-11.360	AFAR	SIG	TT5					
2459XA	-7.250	CCL							
2459XA	-5.390	GR							
2459XA	0.000	NEU							

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

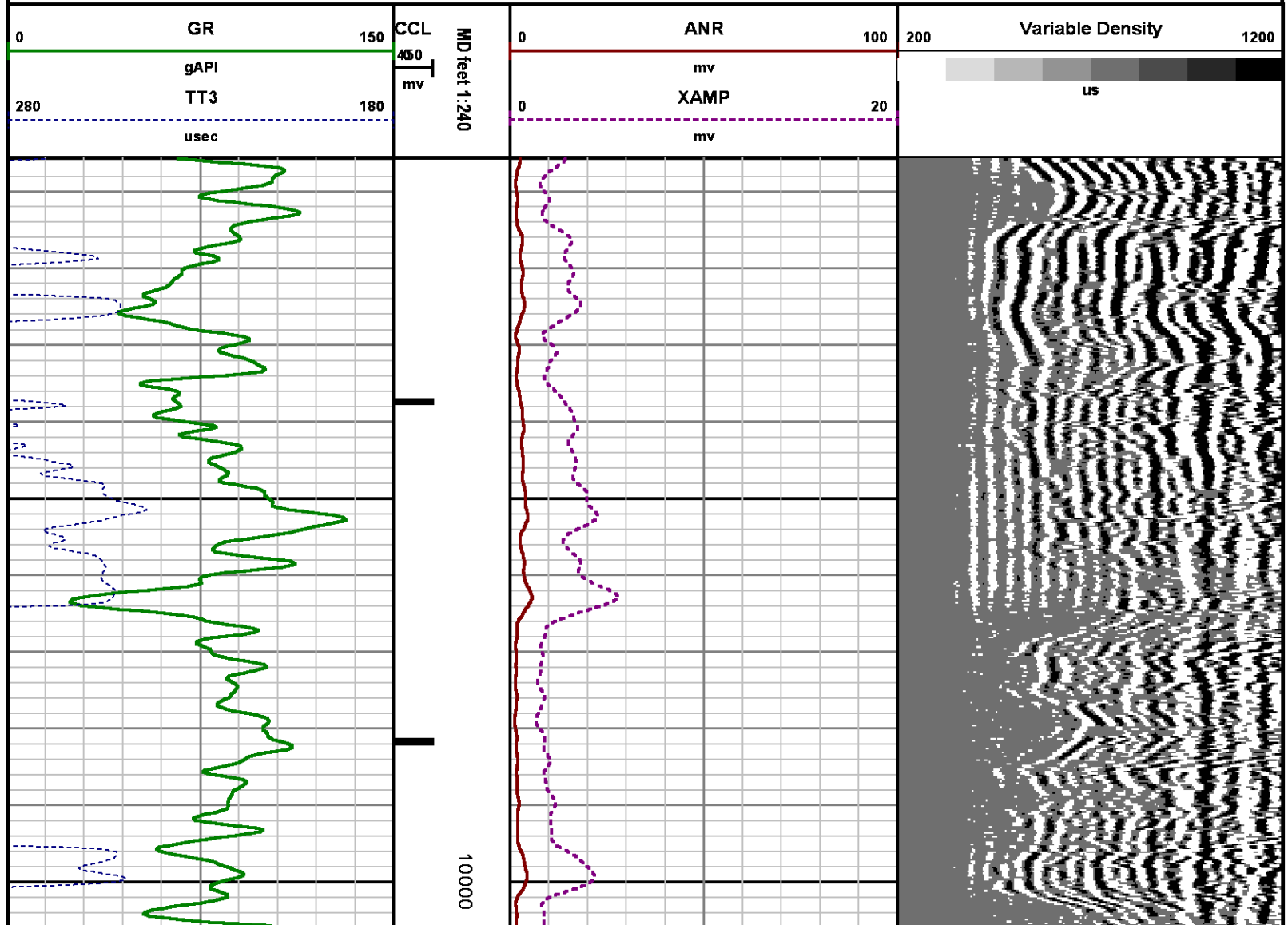
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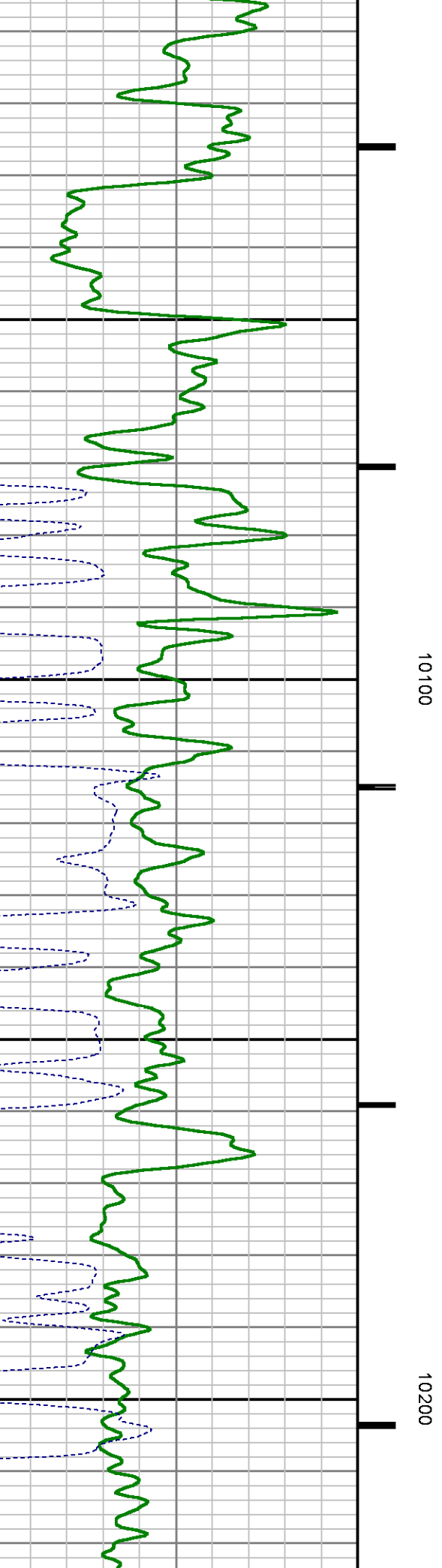
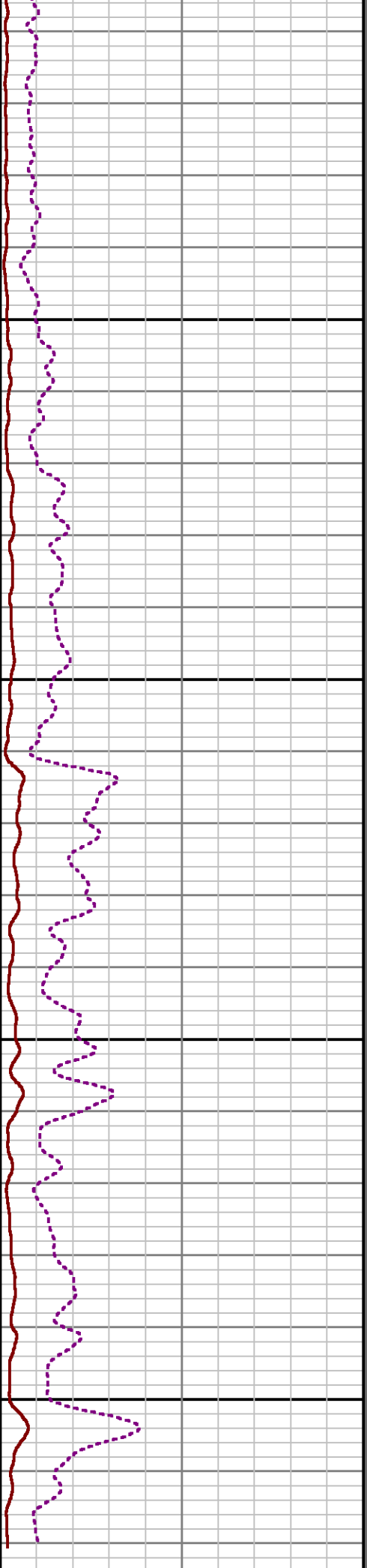
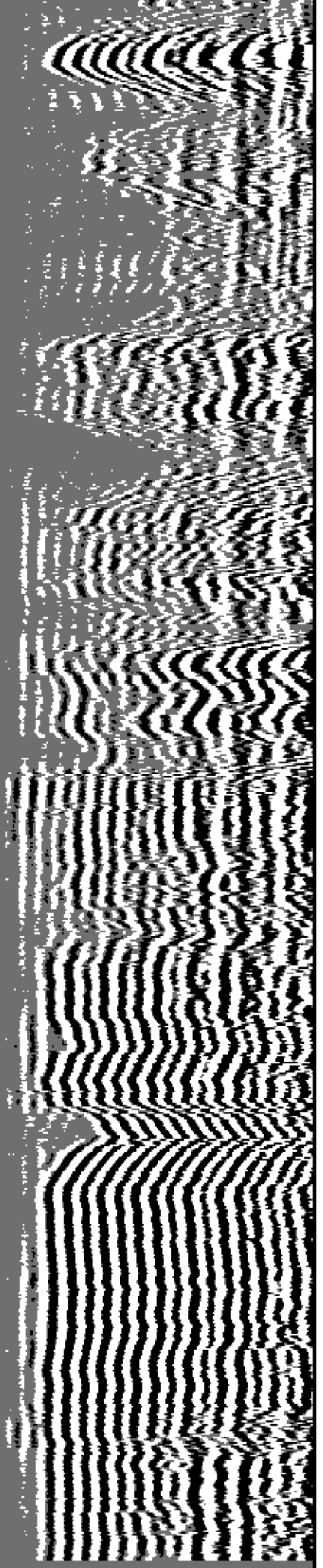
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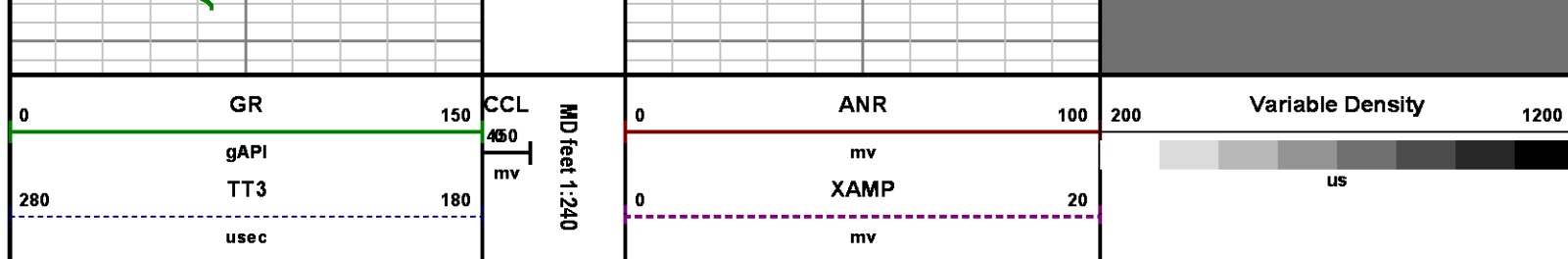
Mode : PlotMgr 5.4.504

Interval : 9905.61 - 10233.61 feet UP

Created : 9/23/2014 8:21:55 AM







CALIBRATION SUMMARY

RALSHP

Shop Calibration: C:\case\calver\RALSHP\496SEP22_shp.cal

SHOP CALIBRATION SUMMARY

DATE/TIME PERFORMED: Mon Sep 22 16:38:52 2014 TOOL SERIES: 1426XA ASSET: 496 SEQ: SEP22

Tool Delay [usec] -54.00 Tank OD in 5.50 Tank Wt lbm/ft 15.50 Tank ID in 4.95

RECEIVER	Travel Time [usec]	Amp. Gate Start [usec]	Amp. Gate Width [usec]	Zero Gate Start [usec]	Zero Gate Width [usec]	Zero Amp. [mV]	Amp Ref. [mV]	Shop Factor
CAL Pulse	218	216	30	166	25	-0.162	100.00	0.31
3 Ft. Receiver	217	216	30	166	25	1.362	100.00	0.31
5 Ft. Receiver	326	325	30	260	25	0.815	150.00	0.35
Radial #1	217	216	30	166	25	1.090	100.00	0.31
Radial #2	217	216	30	166	25	1.335	100.00	0.31
Radial #3	217	216	30	166	25	1.174	100.00	0.31
Radial #4	217	216	30	166	25	0.943	100.00	0.31
Radial #5	218	216	30	166	25	1.761	100.00	0.31
Radial #6	218	216	30	166	25	1.699	100.00	0.31
Radial #7	216	216	30	166	25	1.284	100.00	0.31
Radial #8	218	216	30	166	25	0.954	100.00	0.31

RALFLD

Wellsite Calibration: C:\case\calver\RALFLD\496SEP22_fid.cal

WELLSITE CALIBRATION SUMMARY

DATE/TIME PERFORMED: Mon Sep 22 16:40:47 2014 TOOL SERIES: 1426XA ASSET: 496 SEQ: SEP22

Tool Delay -54.00 Casing OD 4.50 Casing Wt 11.60 Casing ID 4.00

[usec] 34.00 in 4.00 lbm/ft 11.00 in 4.00

RECEIVER	Zero Gate Start [usec]	Zero Gate Width [usec]	Zero Amp. [mV]	Full Amp. [mV]	Wellsite Factor	Amp. Ref [mV]
CAL Pulse	166	25	-0.002	0.000	0.99	100.000
3 Ft. Receiver	195	25	2.281			
5 Ft. Receiver	305	25	3.765			
Radial #1	195	25	1.793			
Radial #2	195	25	1.920			
Radial #3	195	25	1.873			
Radial #4	195	25	1.842			
Radial #5	195	25	2.294			
Radial #6	195	25	2.416			
Radial #7	195	25	1.954			
Radial #8	195	25	1.942			

TOOL DIAGRAM

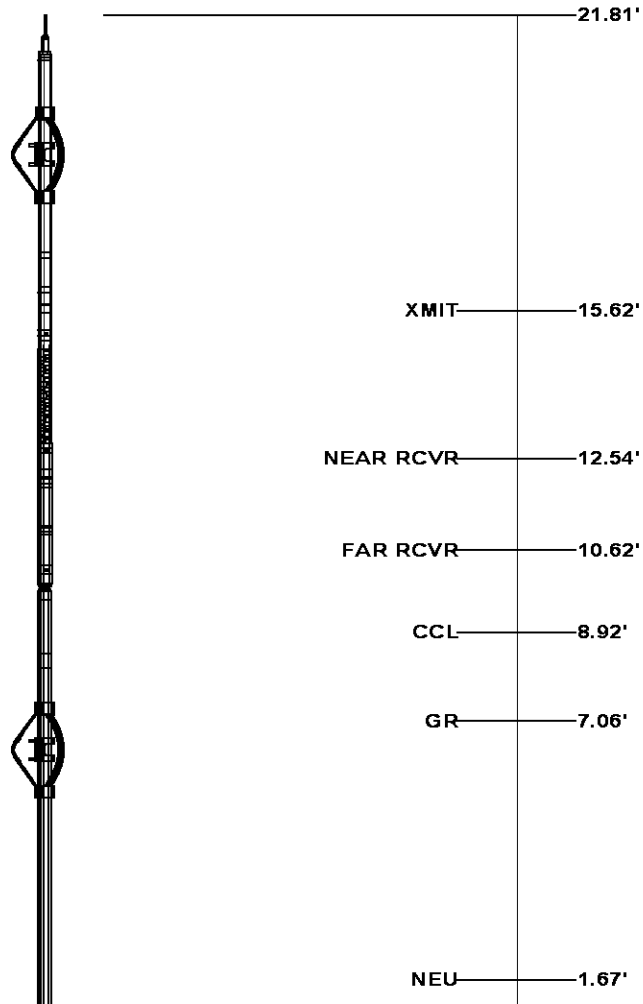
OTA SHORT CABLE HEAD

PROBE 2 3/4 DUAL RECEIVER RADII

Series 1426XA
Mnemonic PROB
Diameter 2.75"
Length 11.17'
Measure Point 0.75' FAR RCVR
Measure Point 2.67' NEAR RCVR
Measure Point 5.75' XMIT
Temp Rating 350.00 °F
Press Rating 18000.00 PSI

Probe GR/CCL/NEU

Series 2459XA
Mnemonic PROB
Diameter 2.75"
Length 9.42'
Measure Point 1.21' NEU
Measure Point 6.60' GR
Measure Point 8.46' CCL



Total Length: 21.81'
Total Weight: Not Available
Max Diameter: 0' 2.75"

0.00'



Baker Atlas

CASE

Company

WPX ENERGY

Well

FEDERAL NER 24-32

Field

RULISON

County

GARFIELD

State

COLORADO

File No:

CH090702

API No:

05045217630000

Location

SHL: 120' FNL x 2573' FWL SEC 6 7S 93W

BHL: 1465' FSL x 1799' FWL SEC 32 6S 93

Elevations

KB 7629 ft

DF

GL 7603 ft

32 6S 93W

RU 23-5 PAD

NABORS 576

SEC 32 TWP 6S RGE 93W