



RADIAL ANALYSIS BOND LOG

Baker Atlas

File No: CH091513	Company Well Field County	WPX ENERGY SAVAGE RWF 534-25 RULISON GARFIELD	State COLORADO
API No: 05045219940000	Location SHL: 1117' FSL x 1391' FEL BHL: 219' FSL x 1824' FEL (SWSE)		Other Services RPM
25 6S 94W RWF 43-25 PAD NABORS 677	SEC 25 TWP 6 S RGE 94W	Elevations KB 6260 ft DF GL 6234 ft	
Permanent Datum Log Measured From Drill Measured From	GROUND LEVEL KB 26 ft KB	Above P. D.	

Date	17/OCT/14	
Run	1	
Service Order	US091513J	
Depth Driller	8817 ft	
Depth Logger	8761 ft	
Bottom Logged Interval	8751 ft	
Top Logged Interval	26 ft	
Time Started	1630	
Time Finished	1900	
Operator Rig Time	3.5 HOURS	
Type of Fluid in Hole	WATER	
Fluid Density	NA	
Salinity	NA	
Fluid Level	NA	
Logged Cement Top	NA	
Wellhead Pressure	0 PSI	
Maximum Hole Deviation	NA	
Nominal Logging Speed	66 fpm	
Maximum Recorded Temperature	245 degF	
Reference Log	NA	
Reference Log Date	NA	
Equipment No.	44271	GRAND JCT.
Recorded By	FLOYD RENEAU	
Witnessed By	BOB CADY	

- FOLD HERE

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	1112 ft
8.75 in	1112 ft	8817 ft

Casing Record				
Size	Weight	Grade	From	To
9.625 in			26 ft	1112 ft
4.5 in	11.6 lbm/ft	I-80	26 ft	8817 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 -4 feet.
Logged with zero PSI at wellhead.
BHT = 245°F
SJ = 5550'-5572'

Equipment Data					
Run	Trip	Tool	Series Number	Serial Number	Position
1	1	VDL	1426XA	10421495	CENT
1	1	GR/CCL	2459XA	10218503	CENT

PRIMARY PRESENTATION
0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	31.849	96.000
RAL	Amp Gate Start Near	195.000	usec	31.849	96.000
RAL	Amp Gate Start Radial	195.000	usec	31.849	96.000
RAL	Amp Gate Width Far	25.000	usec	31.849	96.000
RAL	Amp Gate Width Near	25.000	usec	31.849	96.000
RAL	Amp Gate Width Radial	25.000	usec	31.849	96.000
RAL	casing od	4.500	inches	31.849	96.000
RAL	casing wt	11.600	lbm/ft	31.849	96.000
RAL	FB Start Far	291.900	usec	31.849	96.000
RAL	FB Start Near	180.000	usec	31.849	96.000
RAL	FB Start Radial	180.000	usec	31.849	96.000
RAL	FB Thresh Far	10.000	mv	31.849	96.000
RAL	FB Thresh Near	4.000	mv	31.849	96.000
RAL	FB Thresh Radial	4.000	mv	31.849	96.000
RAL	Fluid Travel Time	200.000	usec/ft	31.849	96.000
RAL	Amp Gate Start Far	305.000	usec	96.000	6006.000
RAL	Amp Gate Start Near	195.000	usec	96.000	6006.000
RAL	Amp Gate Start Radial	195.000	usec	96.000	6006.000
RAL	Amp Gate Width Far	25.000	usec	96.000	6006.000
RAL	Amp Gate Width Near	25.000	usec	96.000	6006.000
RAL	Amp Gate Width Radial	25.000	usec	96.000	6006.000
RAL	casing od	4.500	inches	96.000	6006.000
RAL	casing wt	11.600	lbm/ft	96.000	6006.000
RAL	FB Start Far	291.900	usec	96.000	6006.000
RAL	FB Start Near	180.000	usec	96.000	6006.000
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RAL	FB Thresh Far	10.000	mv	96.000	6006.000
RAL	FB Thresh Near	4.000	mv	96.000	6006.000
RAL	FB Thresh Radial	4.000	mv	96.000	6006.000
RAL	Fluid Travel Time	200.000	usec/ft	96.000	6006.000

RAL	FB Thresh Near	4.000	mv	96.000	6006.000
RAL	FB Thresh Radial	4.000	mv	96.000	6006.000
RAL	Fluid Travel Time	200.000	usec/ft	96.000	6006.000
RAL	Amp Gate Start Far	305.000	usec	6006.000	7326.000
RAL	Amp Gate Start Near	195.000	usec	6006.000	7326.000
RAL	Amp Gate Start Radial	195.000	usec	6006.000	7326.000
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RAL	Amp Gate Width Radial	25.000	usec	6006.000	7326.000
RAL	casing od	4.500	inches	6006.000	7326.000
RAL	casing wt	11.600	lbm/ft	6006.000	7326.000
RAL	FB Start Far	291.900	usec	6006.000	7326.000
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RAL	FB Thresh Near	4.000	mv	6006.000	7326.000
RAL	FB Thresh Radial	4.000	mv	6006.000	7326.000
RAL	Fluid Travel Time	200.000	usec/ft	6006.000	7326.000
RAL	Amp Gate Start Far	305.000	usec	7326.000	8256.000
RAL	Amp Gate Start Near	195.000	usec	7326.000	8256.000
RAL	Amp Gate Start Radial	195.000	usec	7326.000	8256.000
RAL	Amp Gate Width Far	25.000	usec	7326.000	8256.000
RAL	Amp Gate Width Near	25.000	usec	7326.000	8256.000
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RAL	casing od	4.500	inches	7326.000	8256.000
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RAL	Fluid Travel Time	200.000	usec/ft	7326.000	8256.000
RAL	Amp Gate Start Far	305.000	usec	8256.000	8776.000
RAL	Amp Gate Start Near	195.000	usec	8256.000	8776.000
RAL	Amp Gate Start Radial	195.000	usec	8256.000	8776.000
RAL	Amp Gate Width Far	25.000	usec	8256.000	8776.000
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RAL	FB Thresh Radial	4.000	mv	8256.000	8776.000
RAL	Fluid Travel Time	200.000	usec/ft	8256.000	8776.000

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

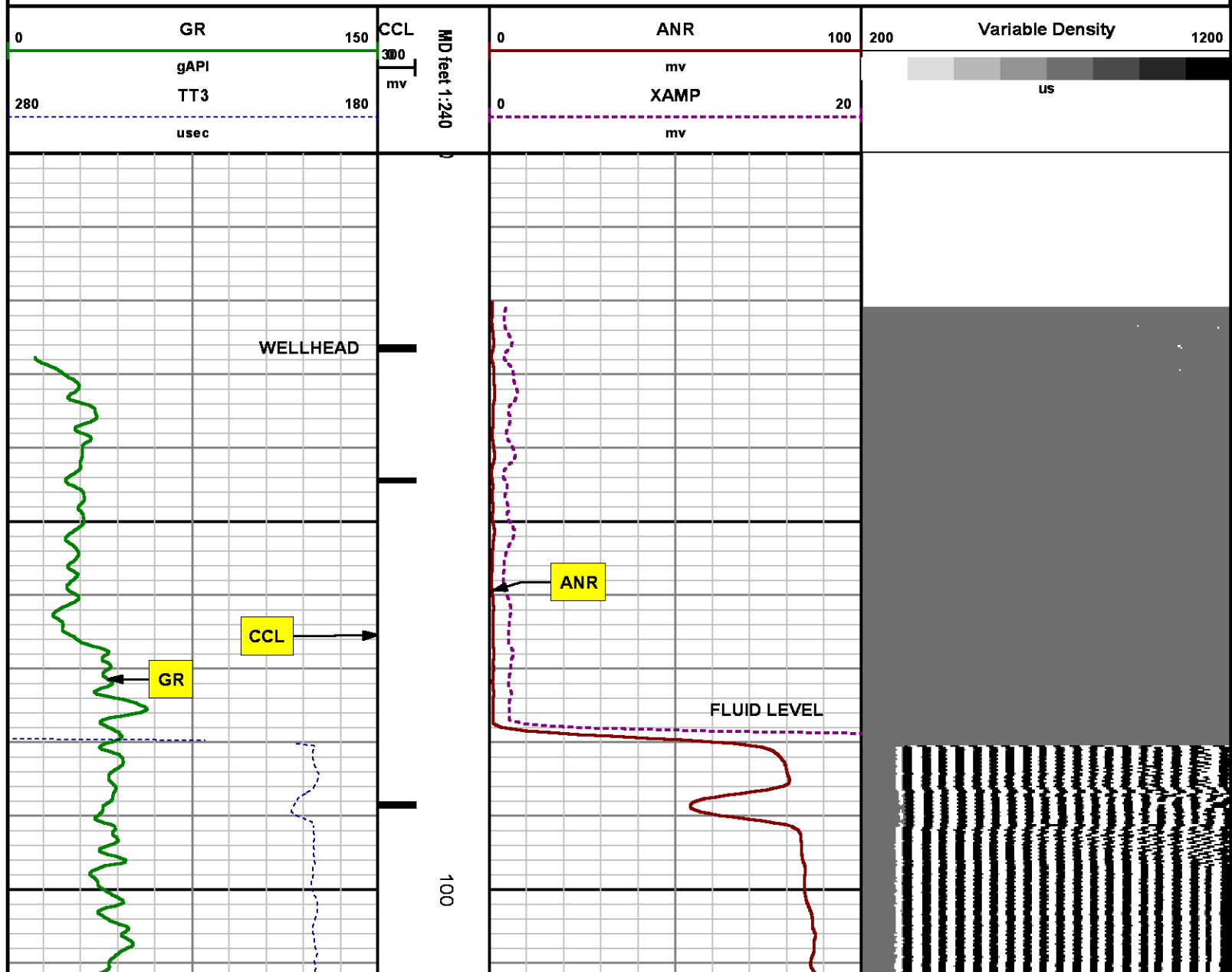
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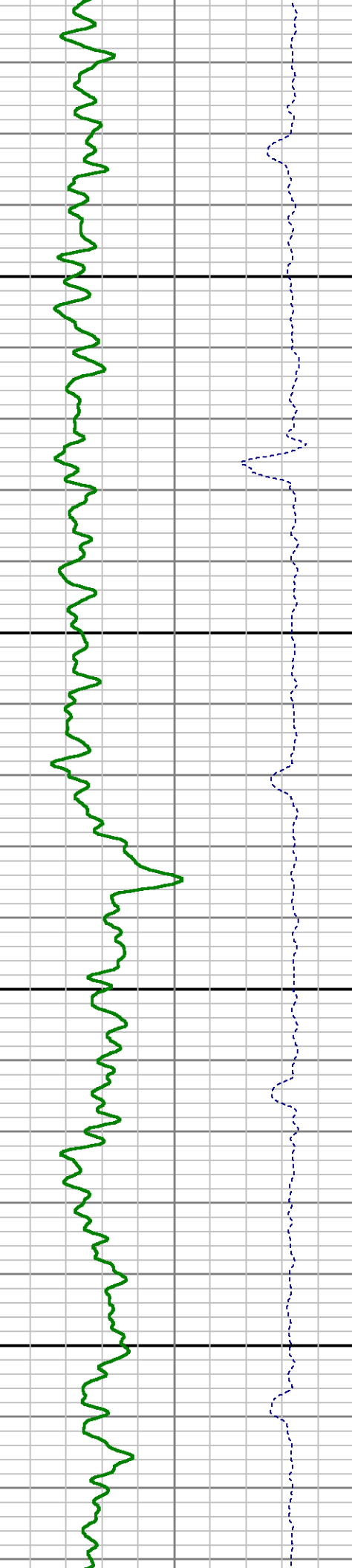
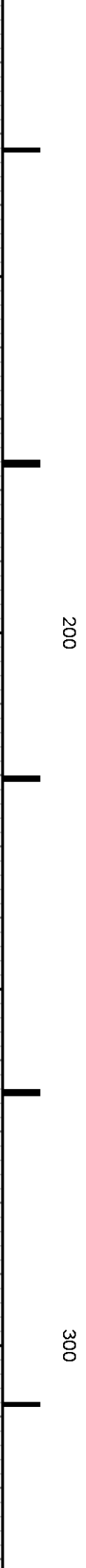
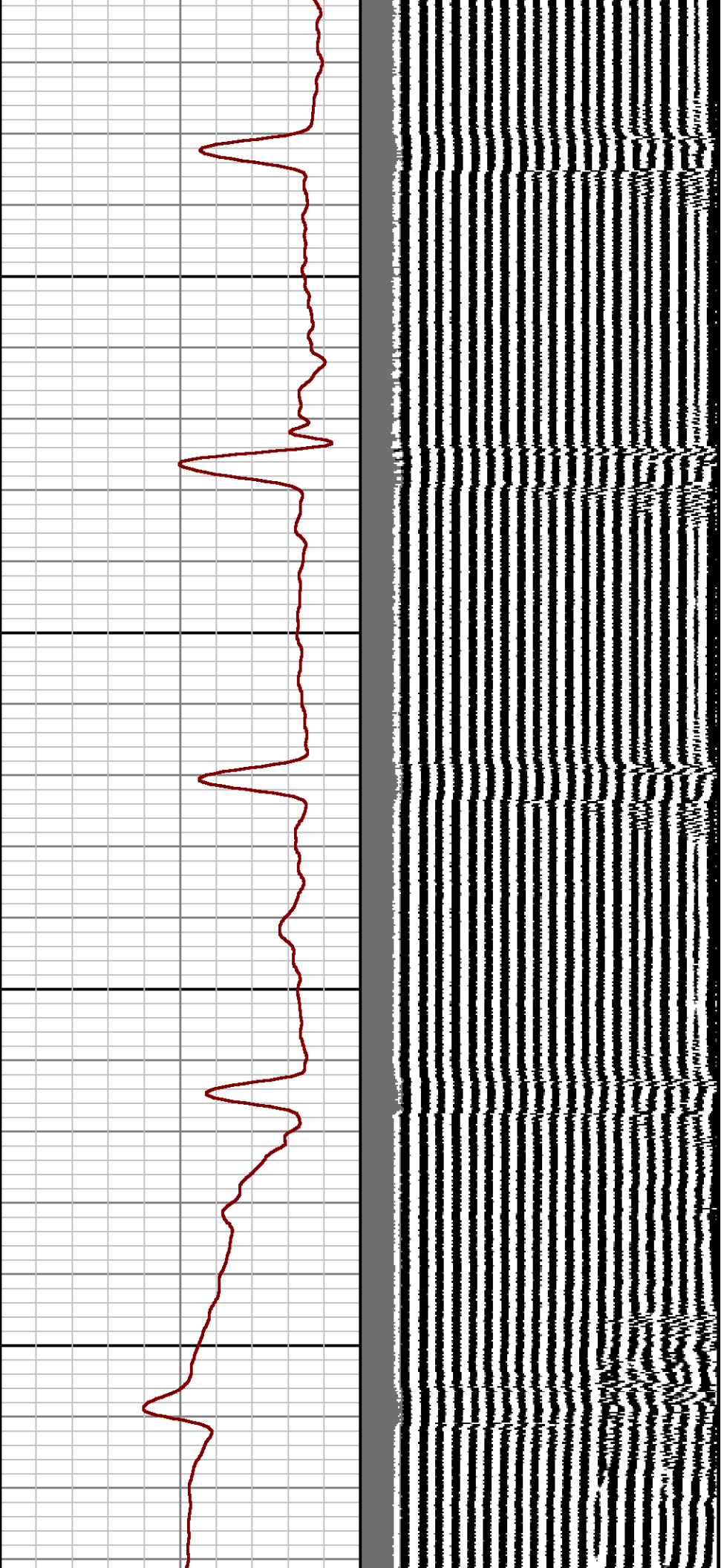
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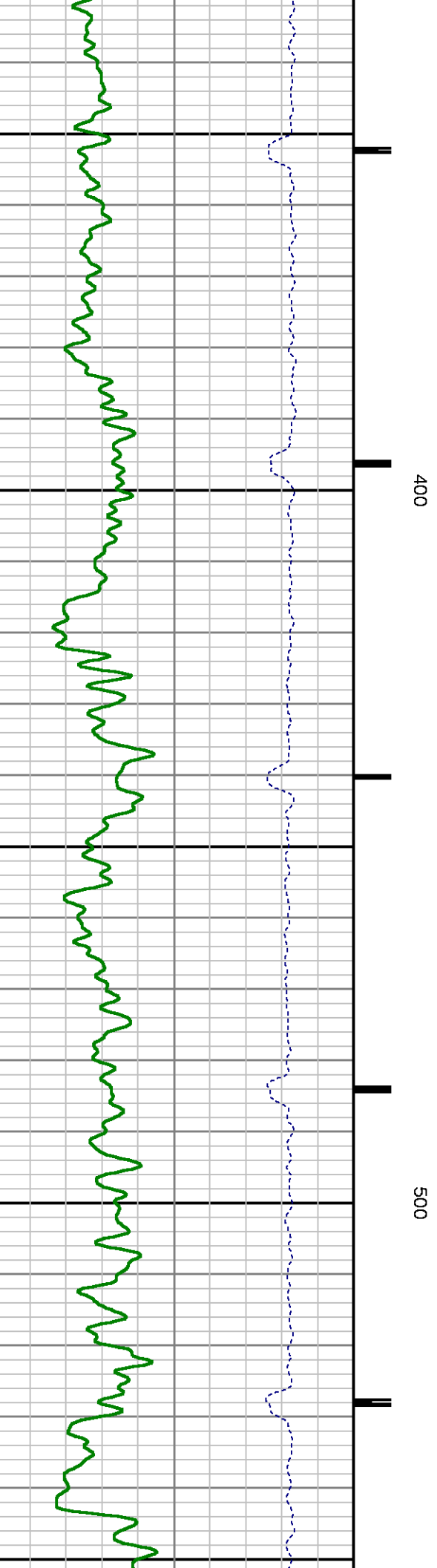
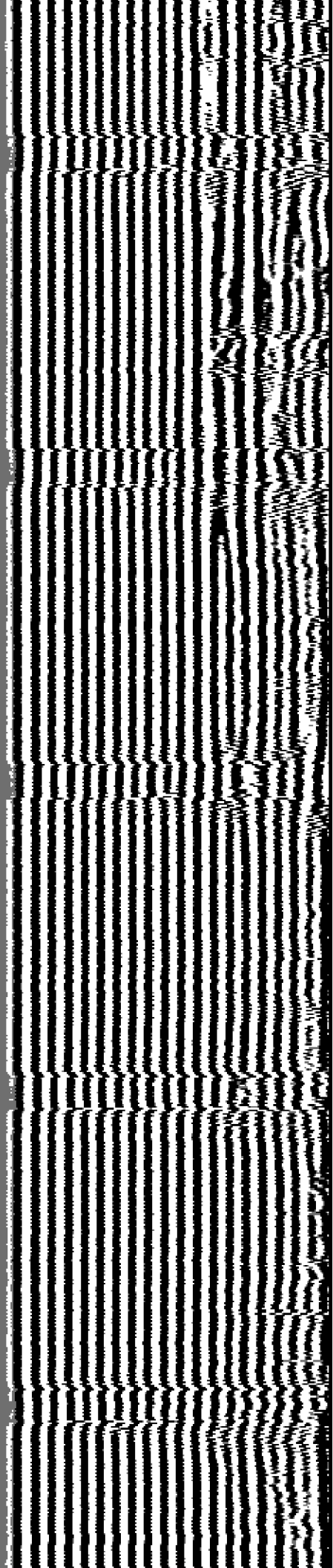
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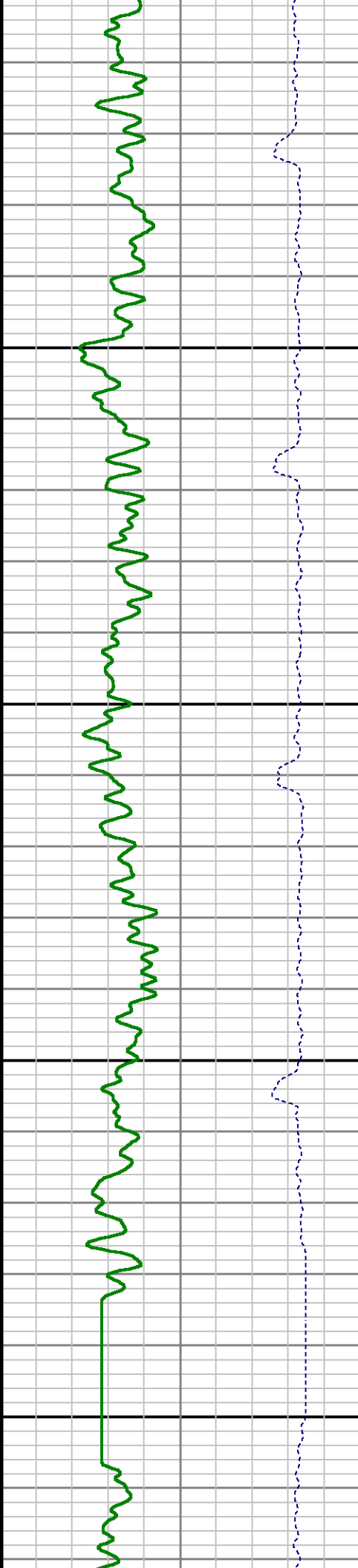
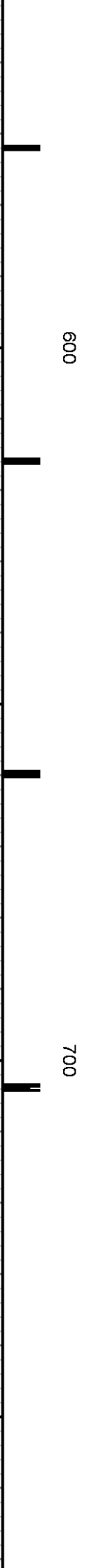
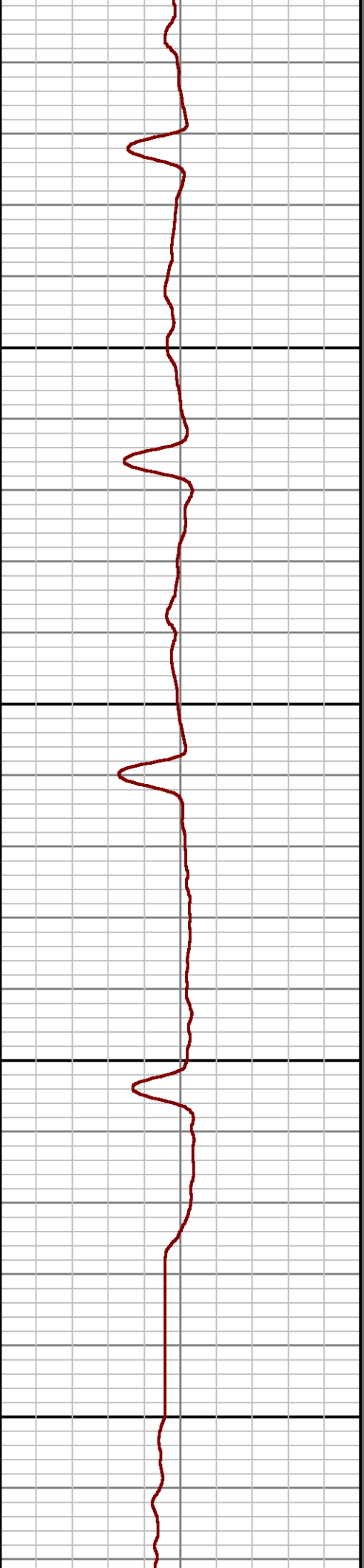
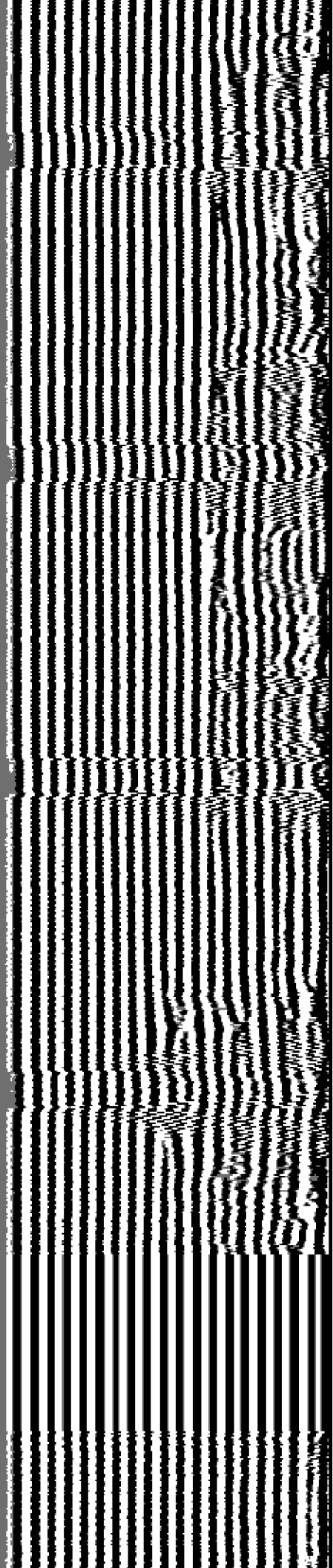
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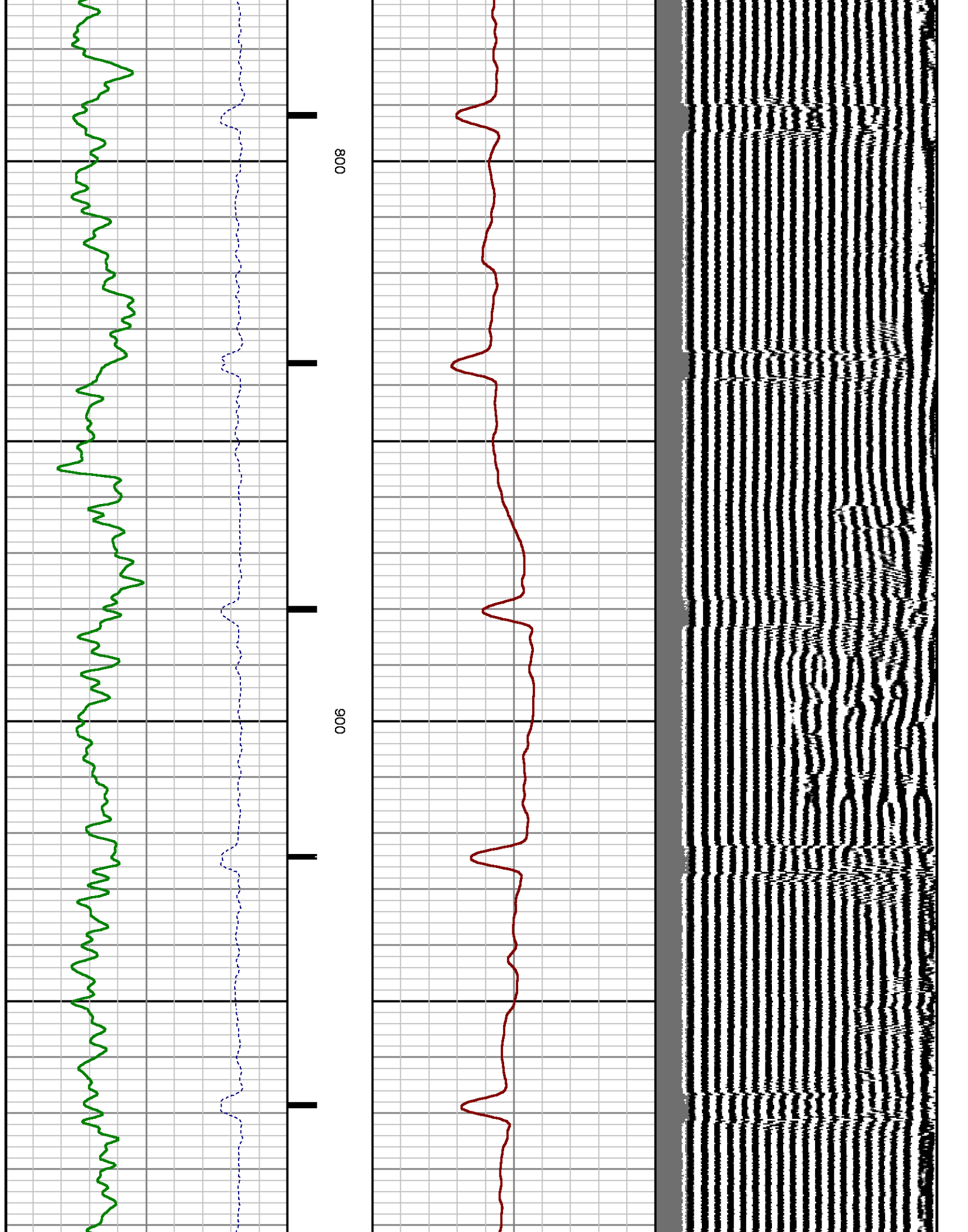
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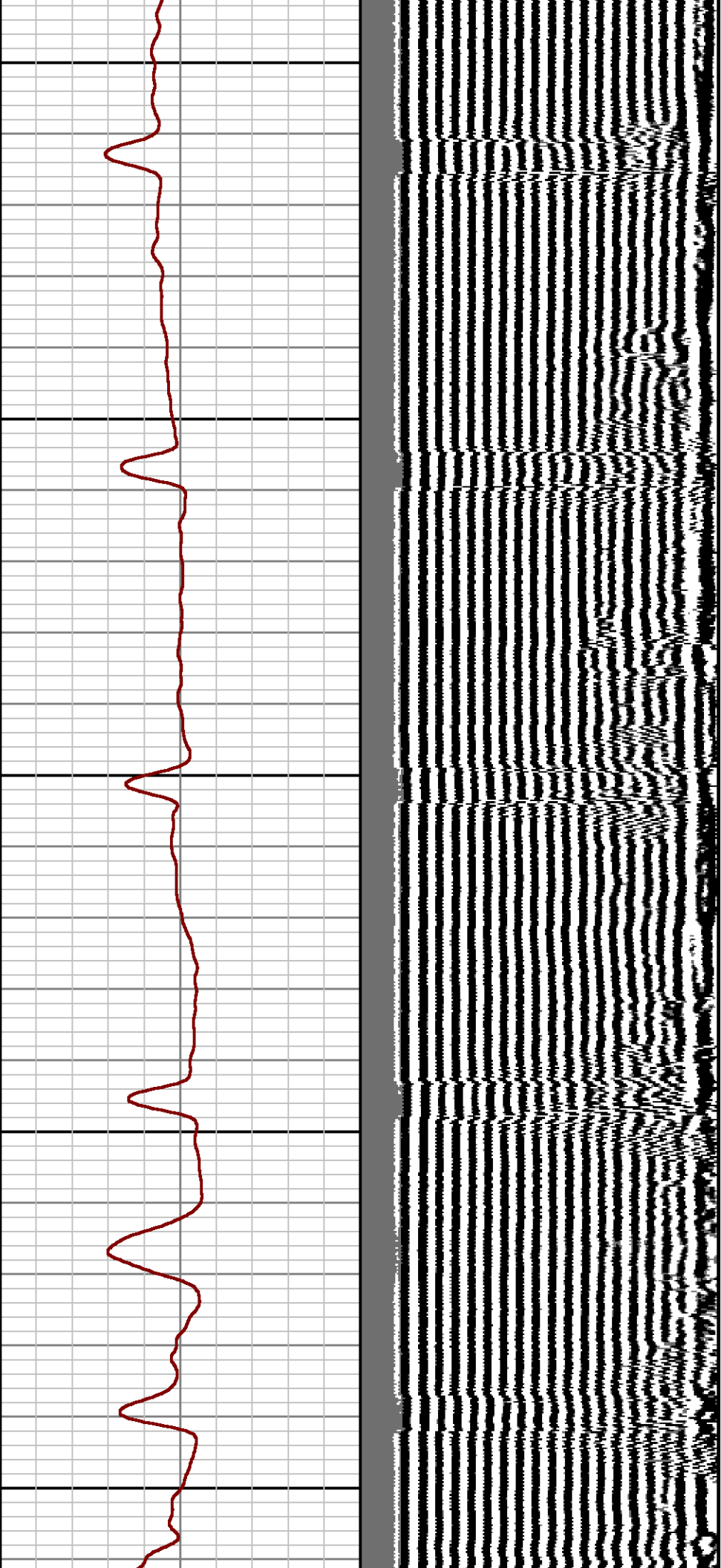








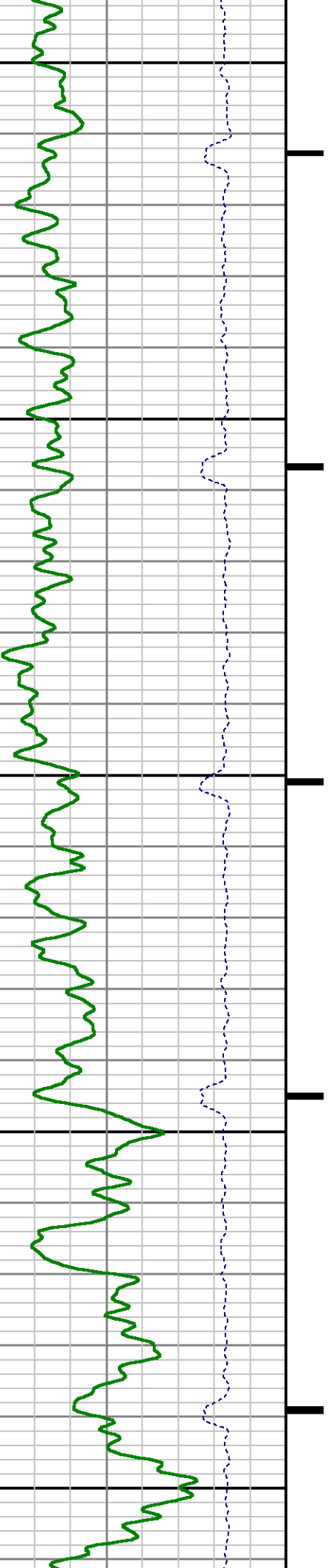


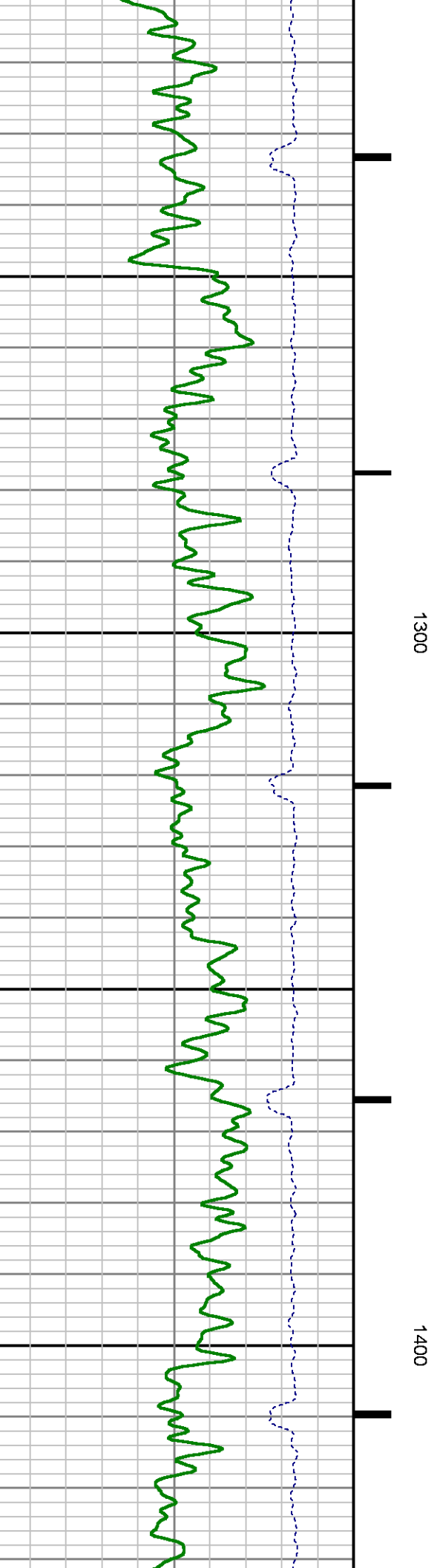
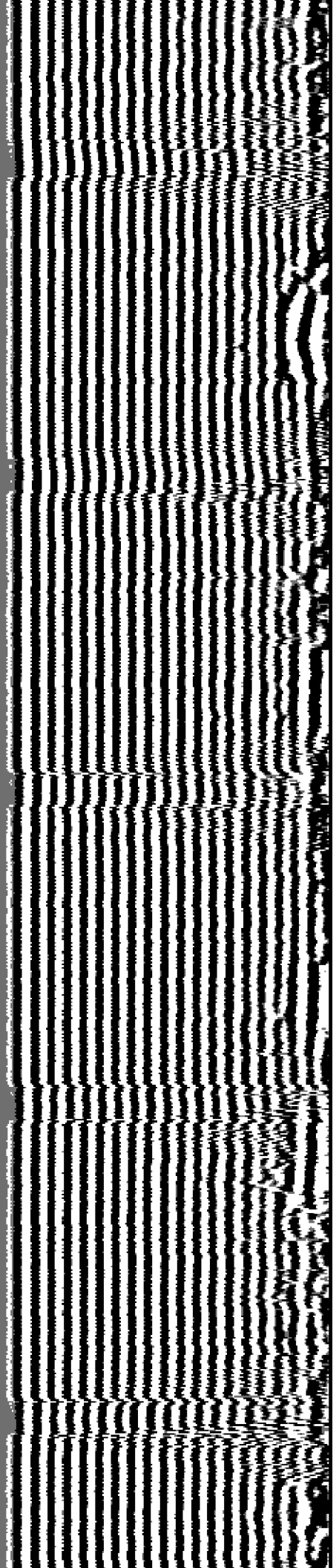


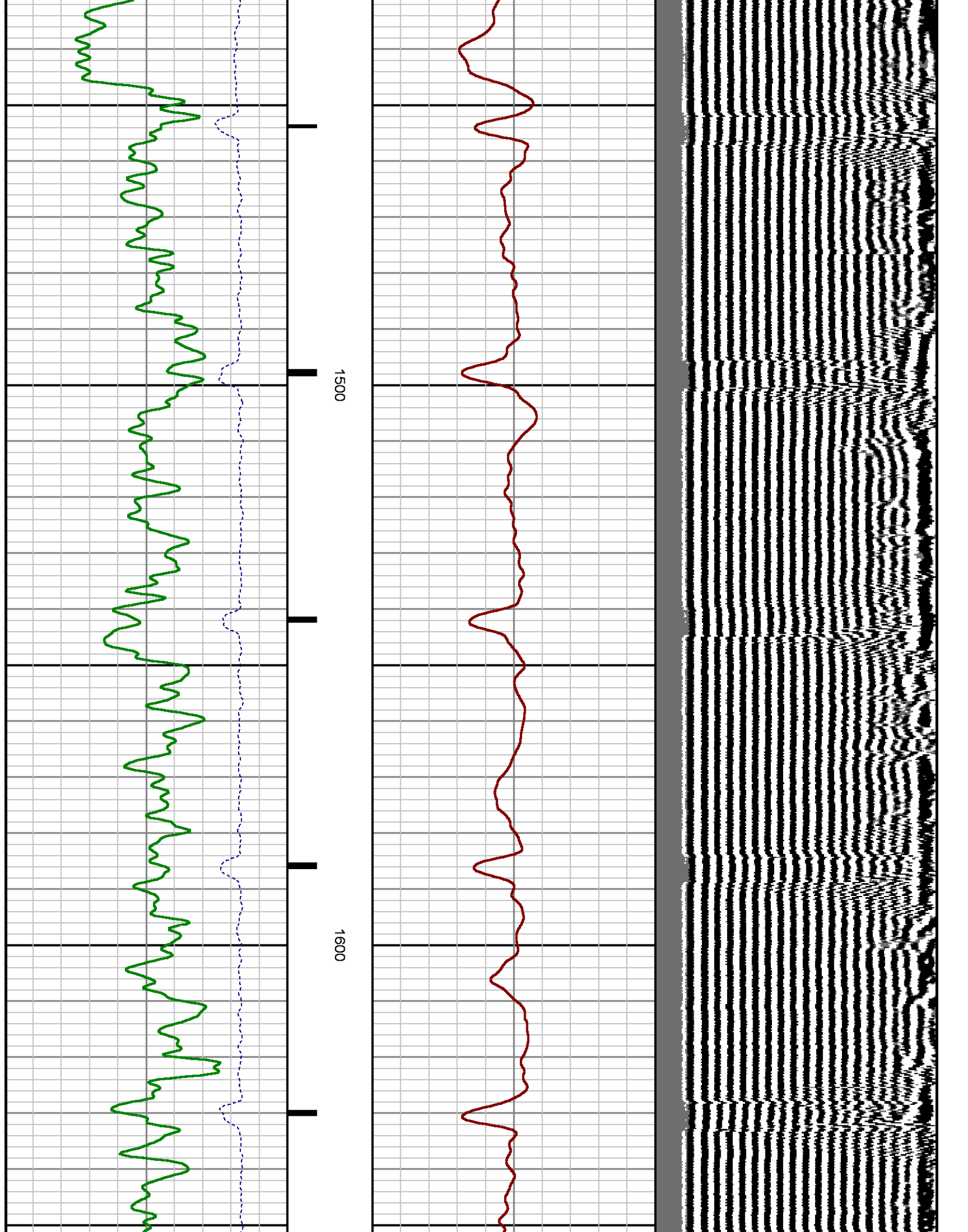
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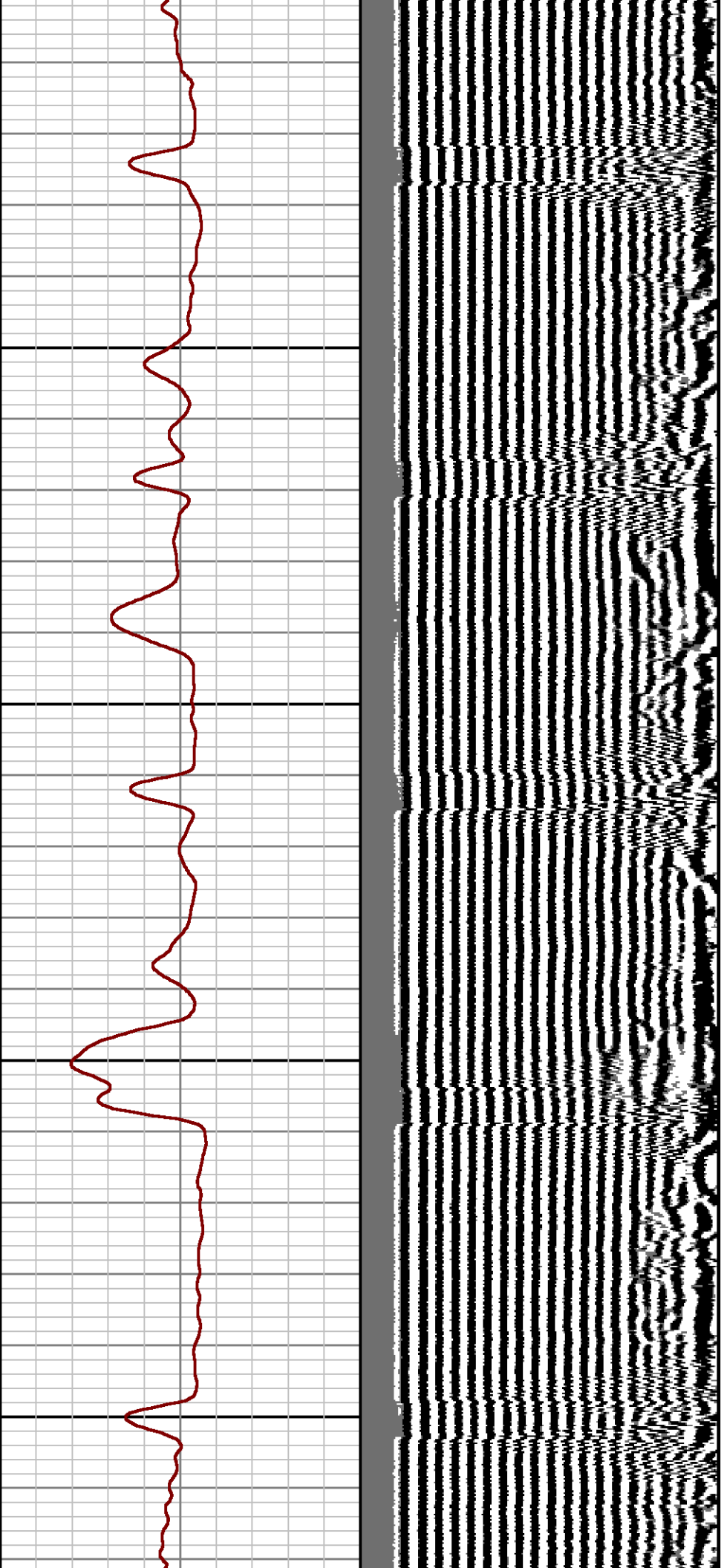
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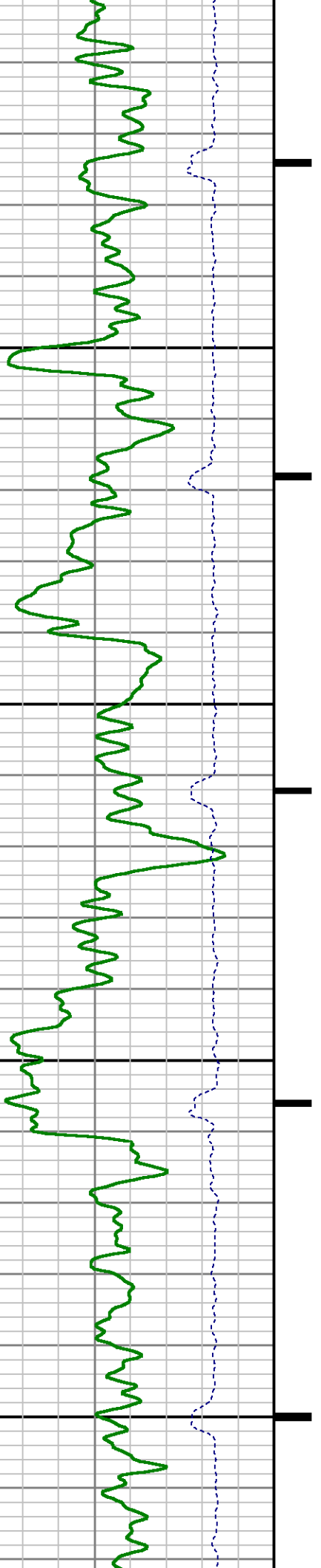


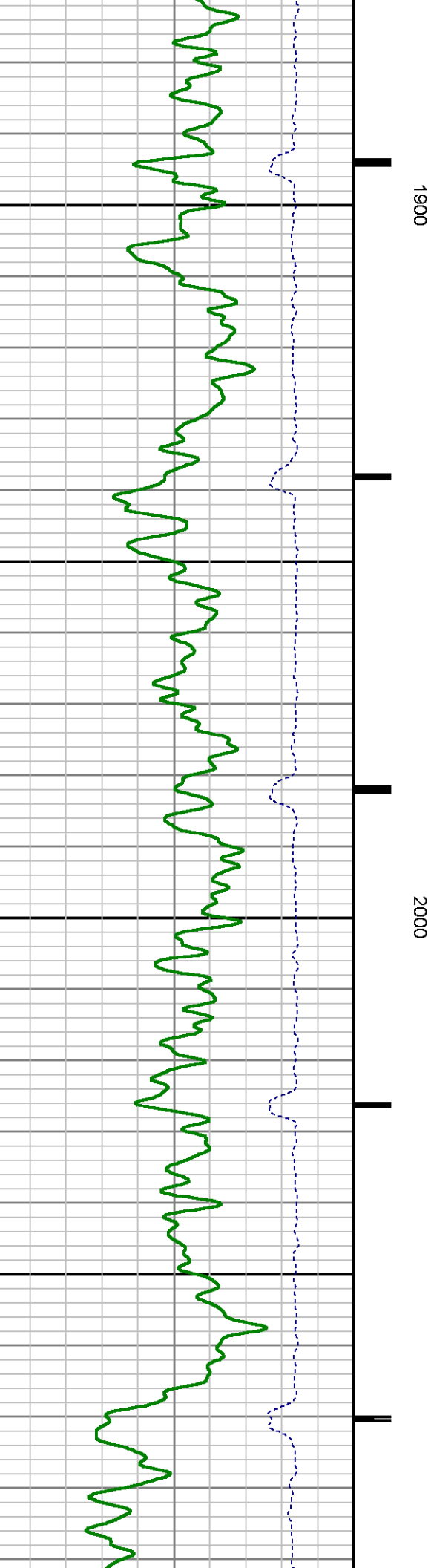
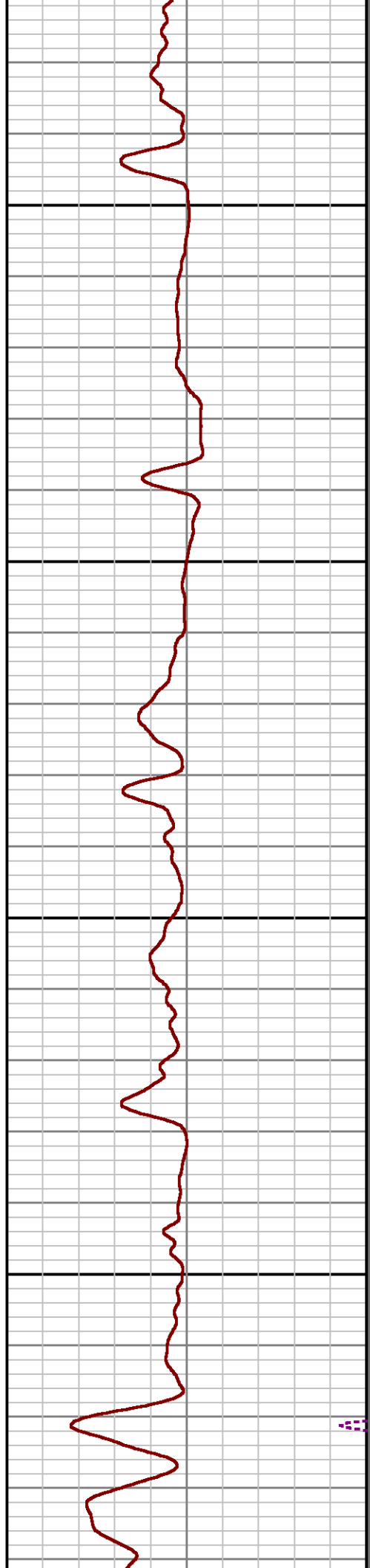
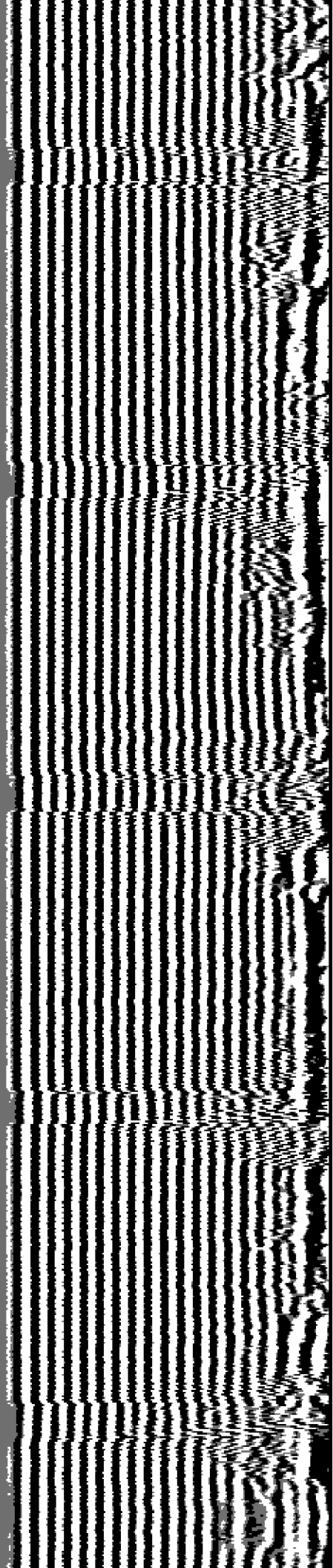


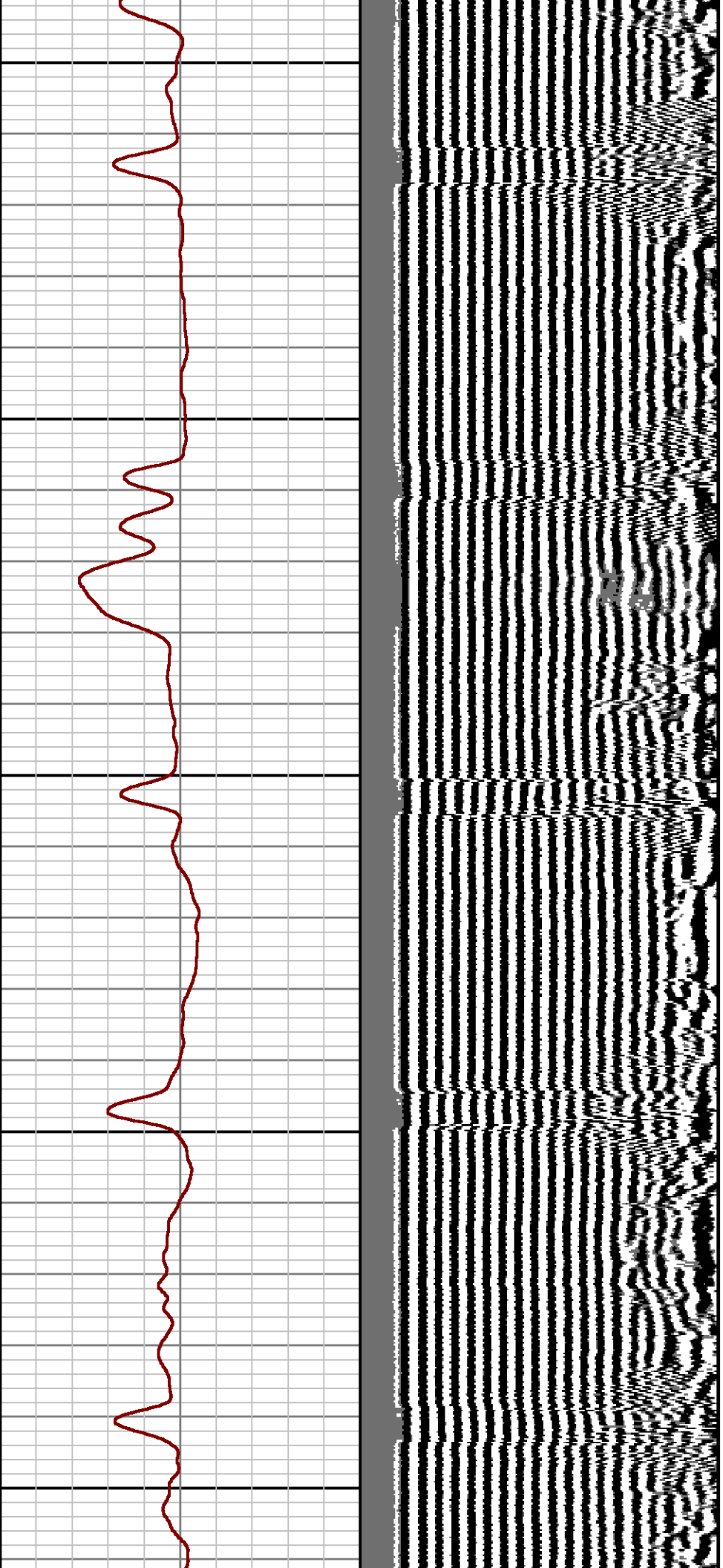


1700

1800



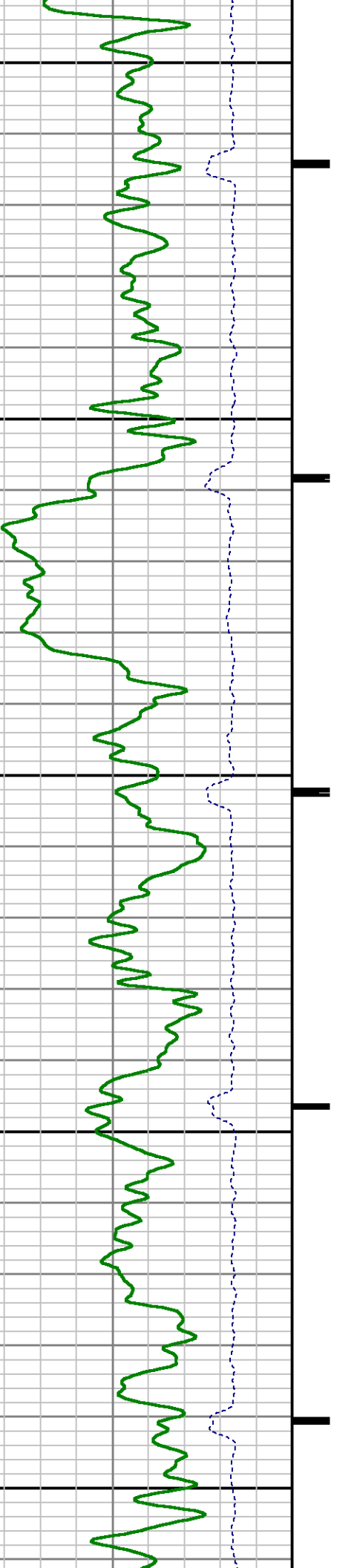


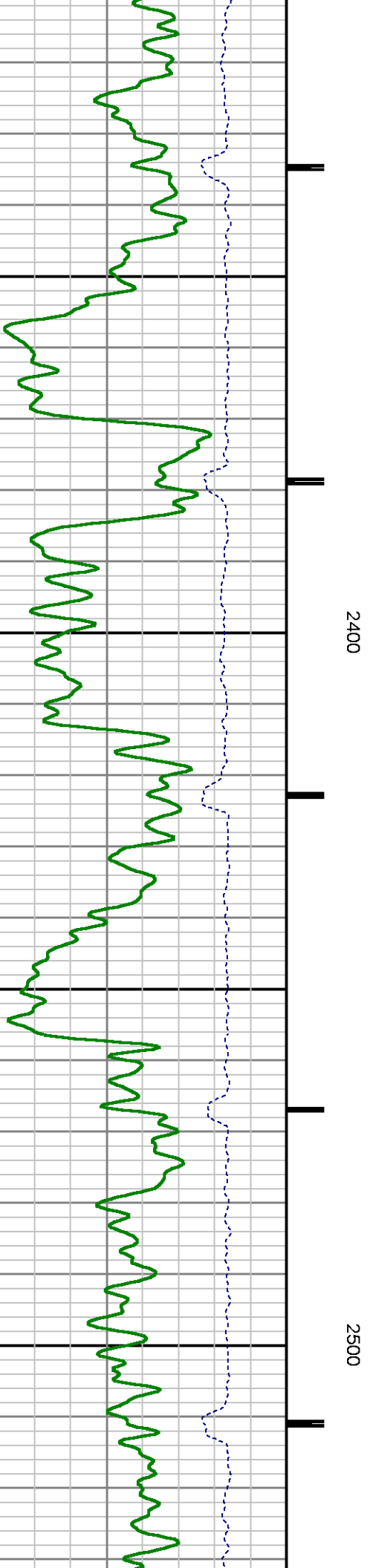
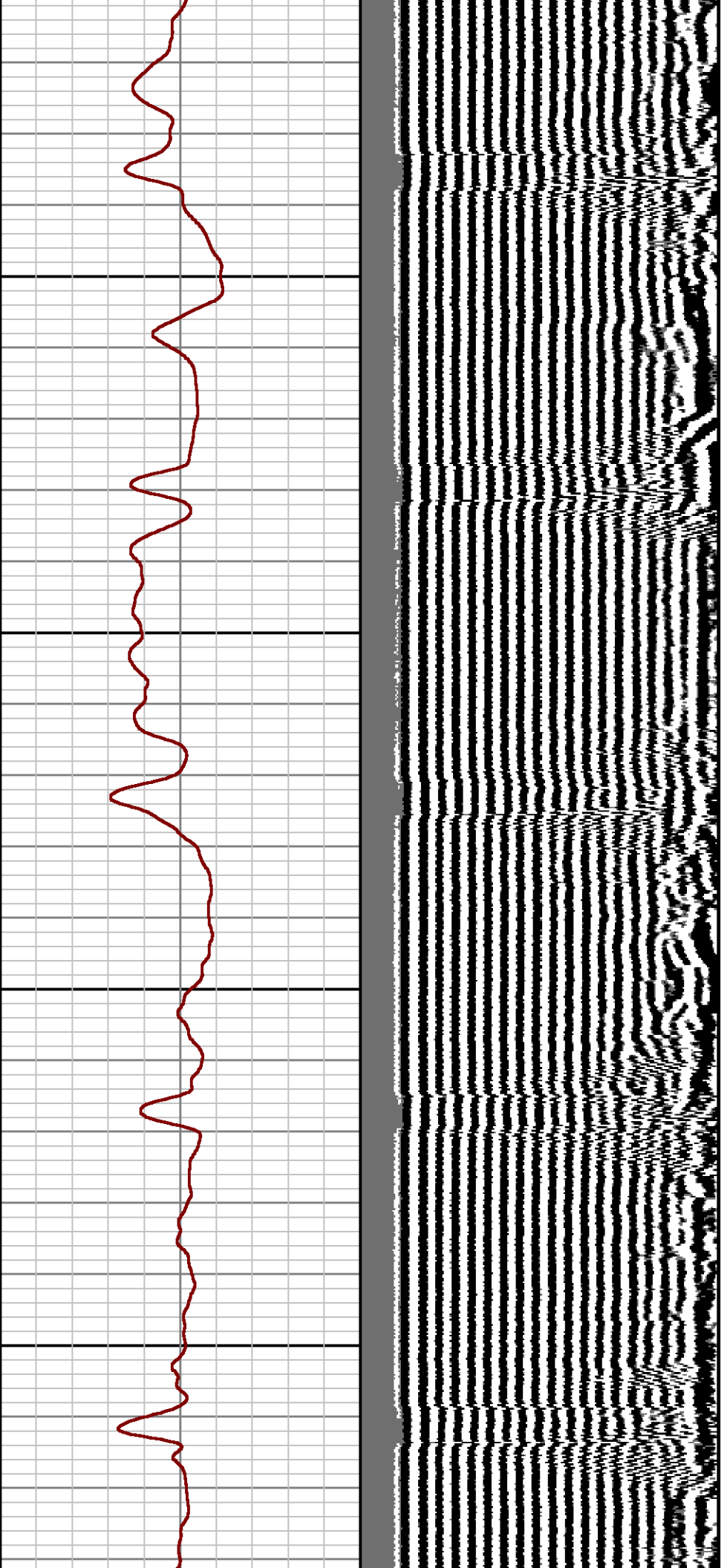


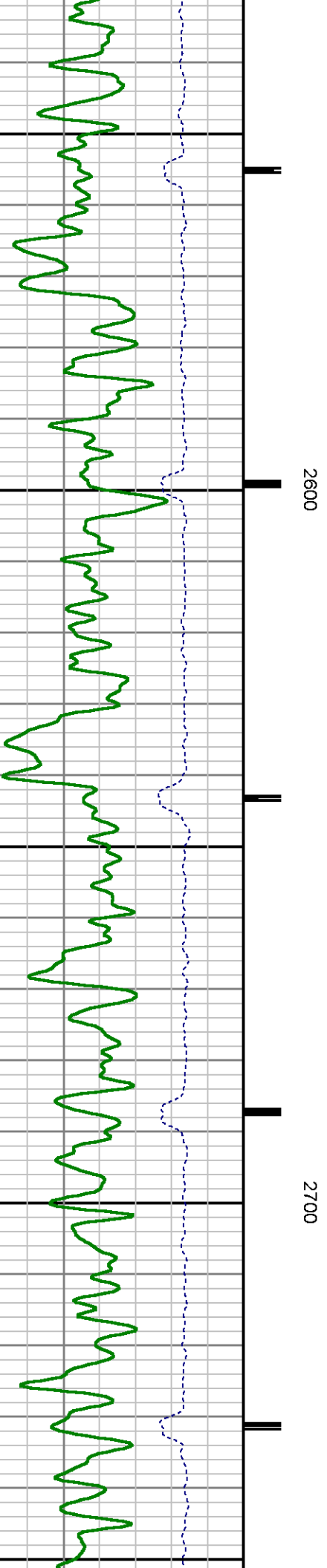
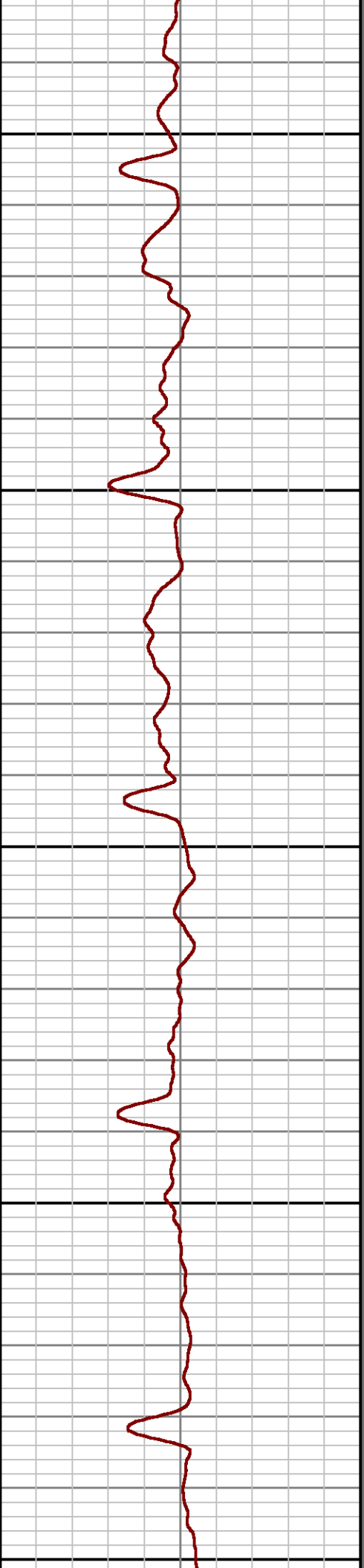
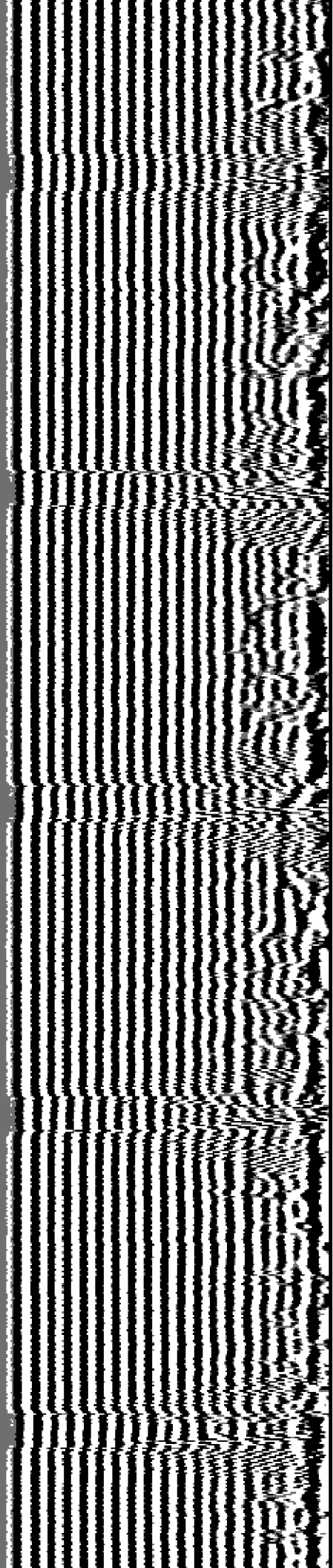
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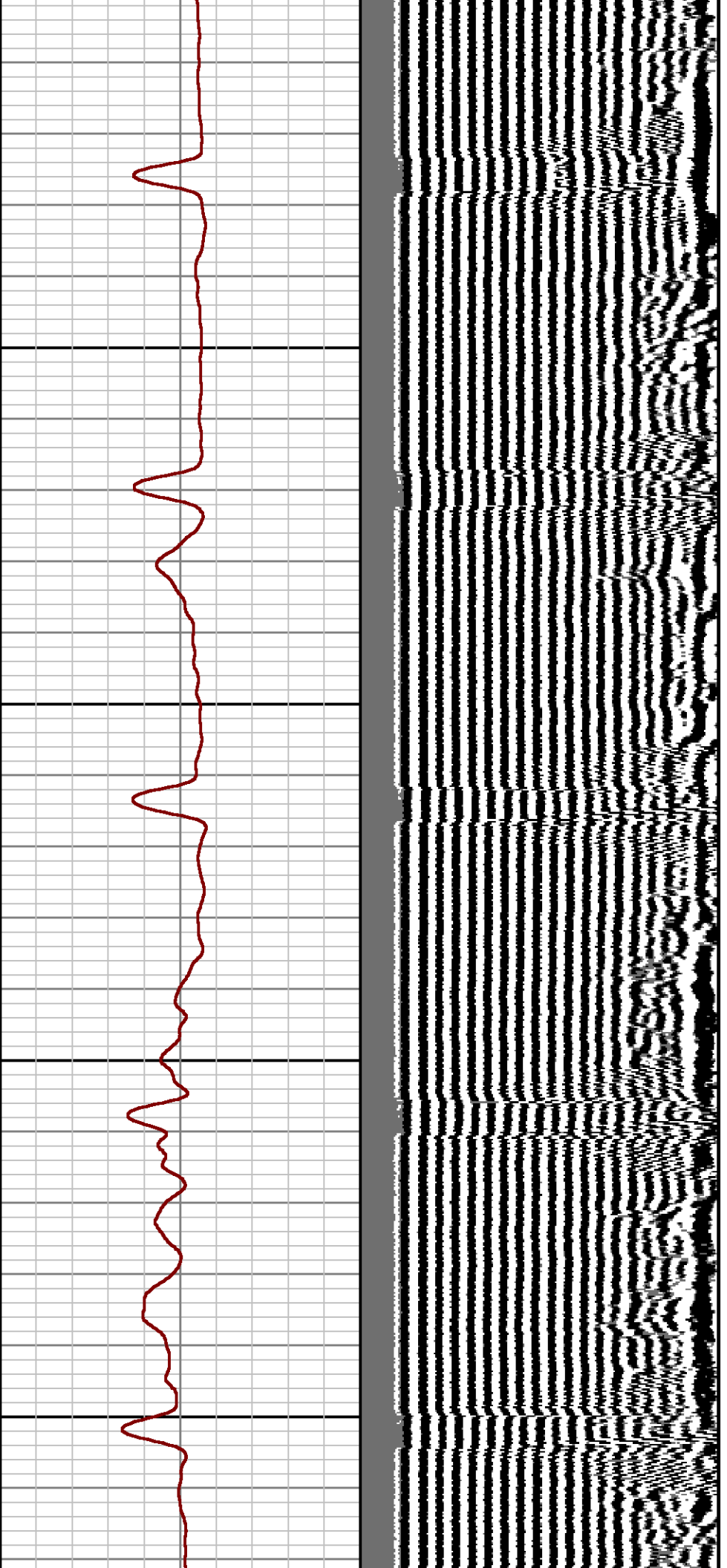
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2300



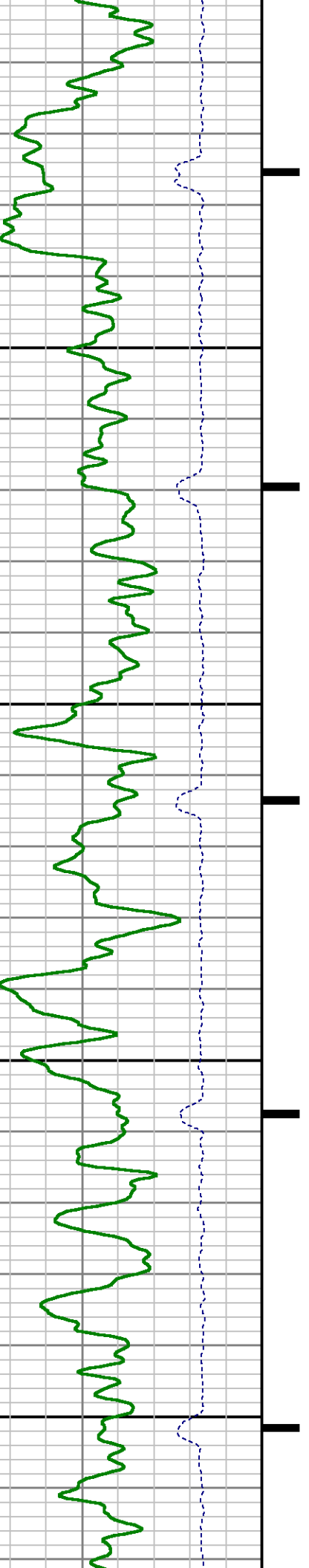


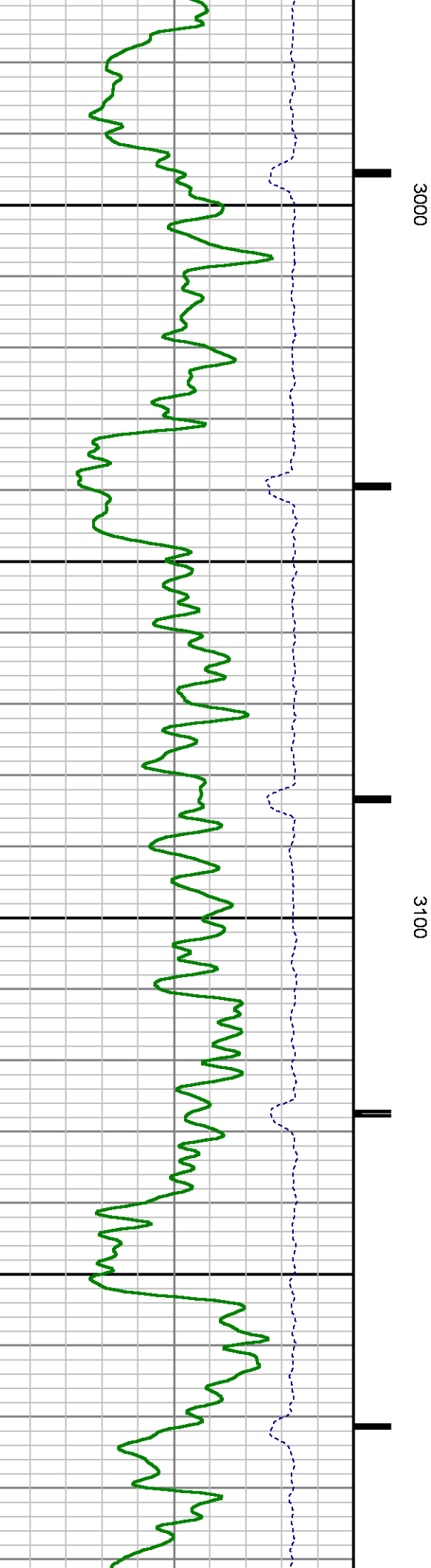
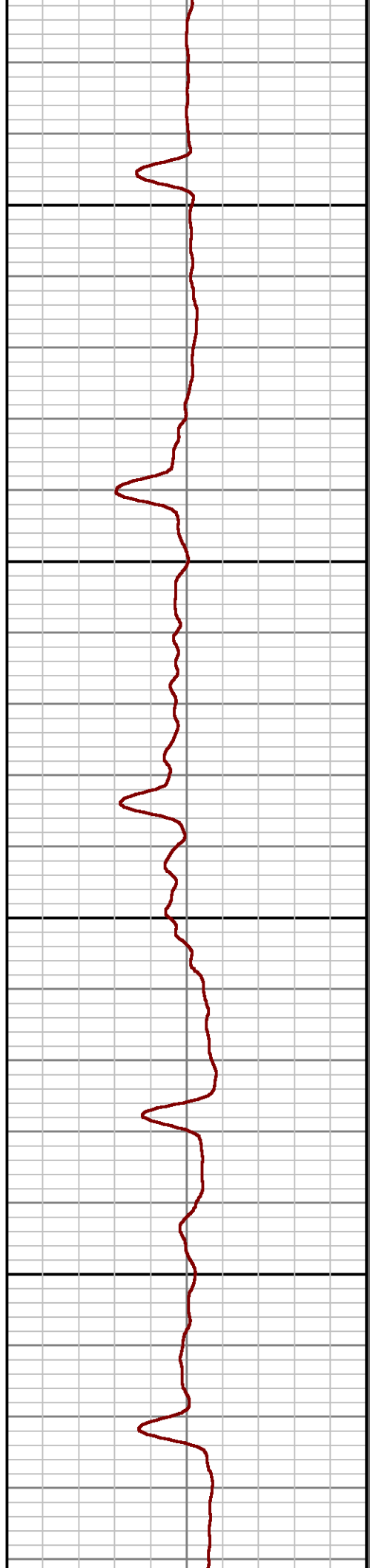
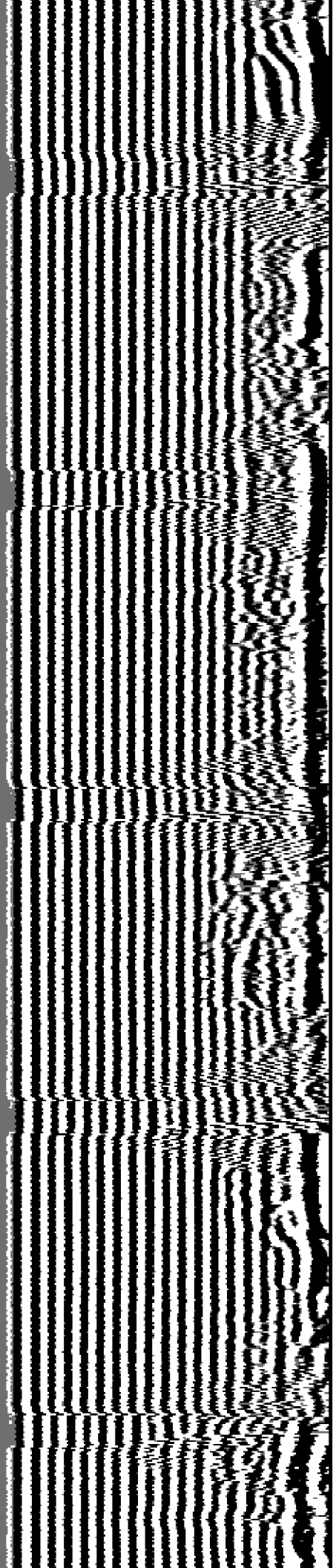


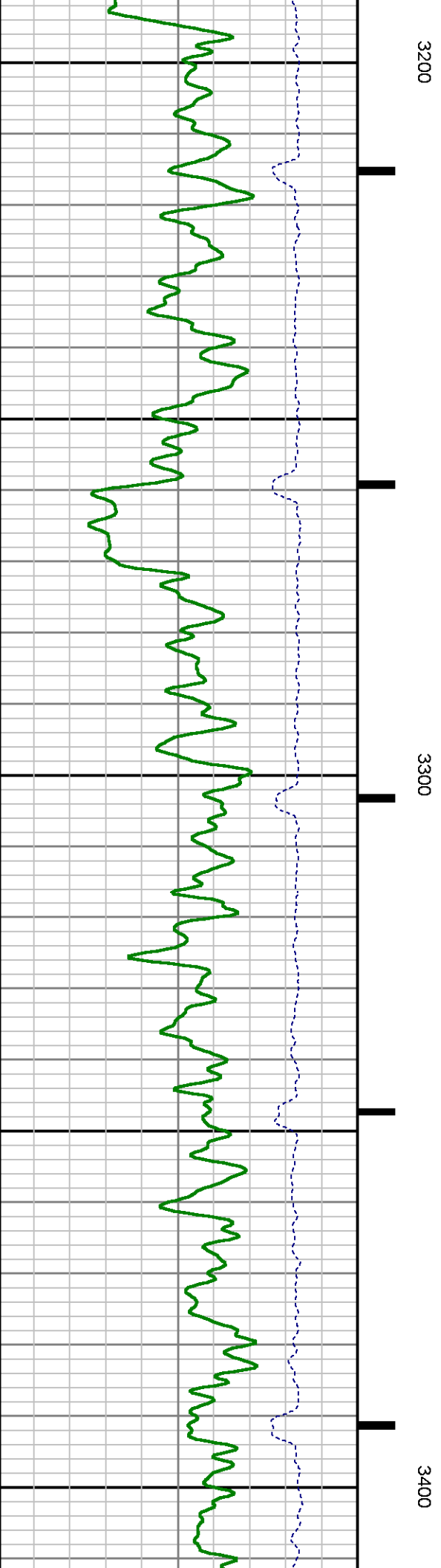
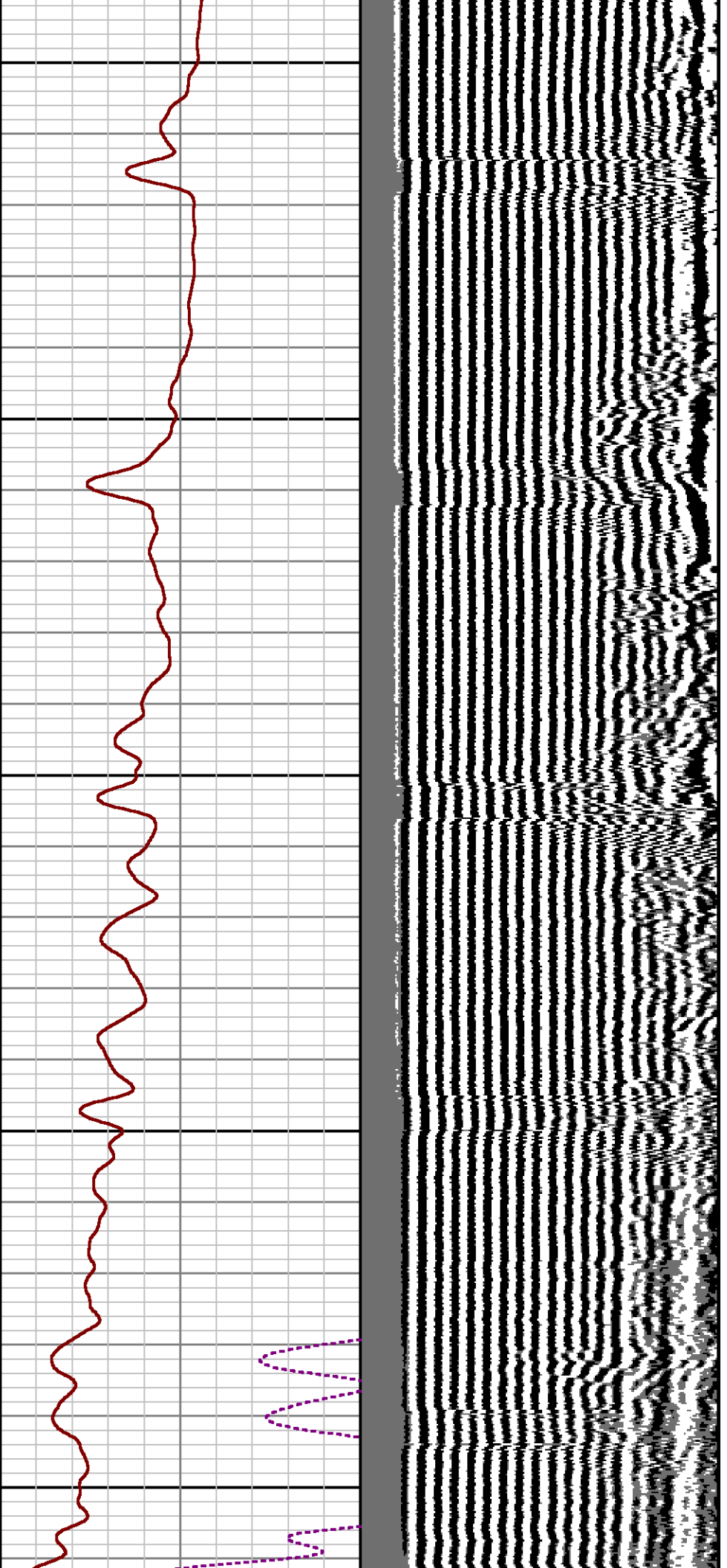


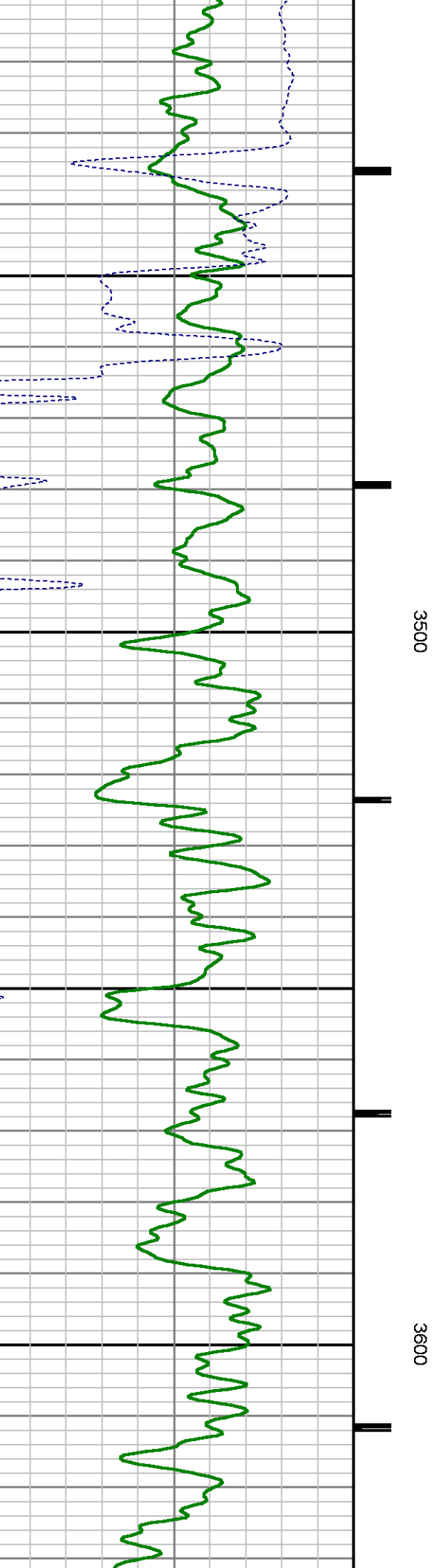
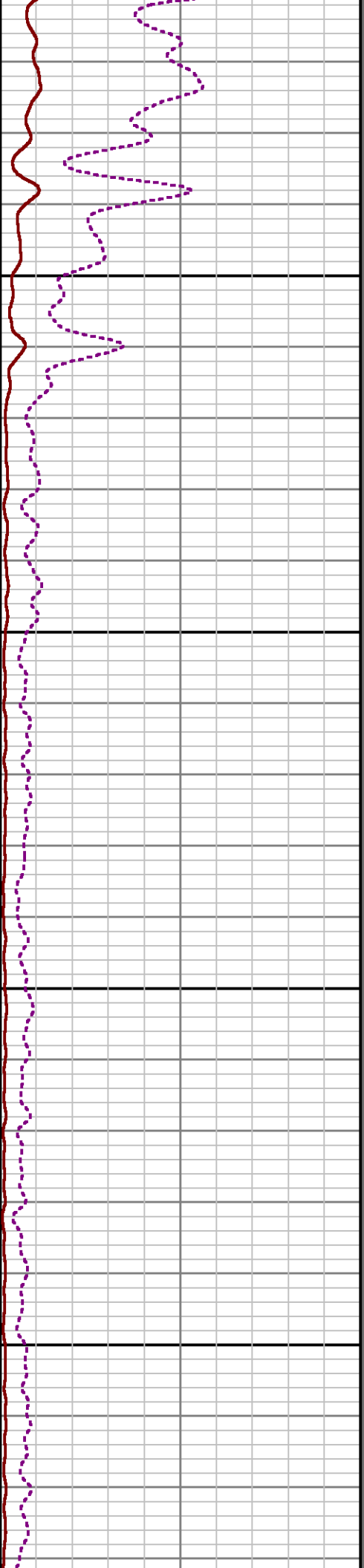
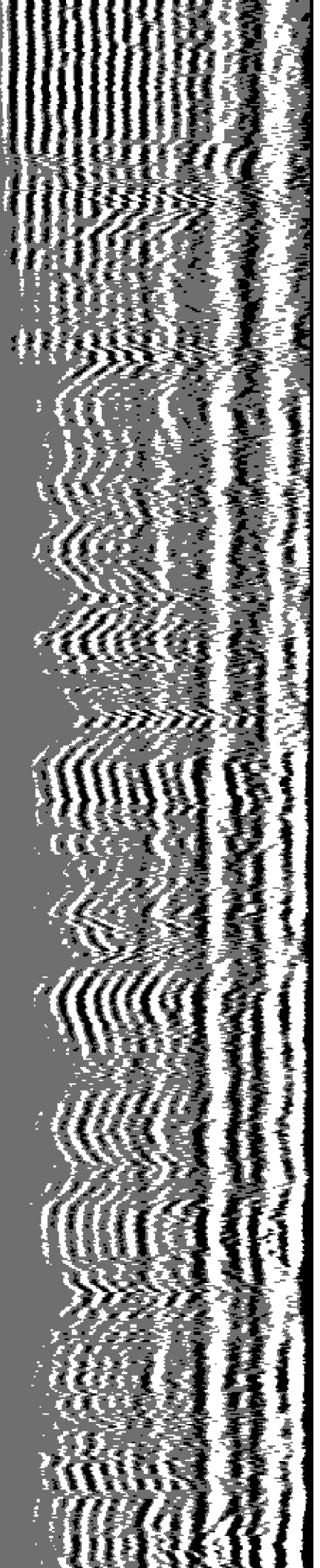
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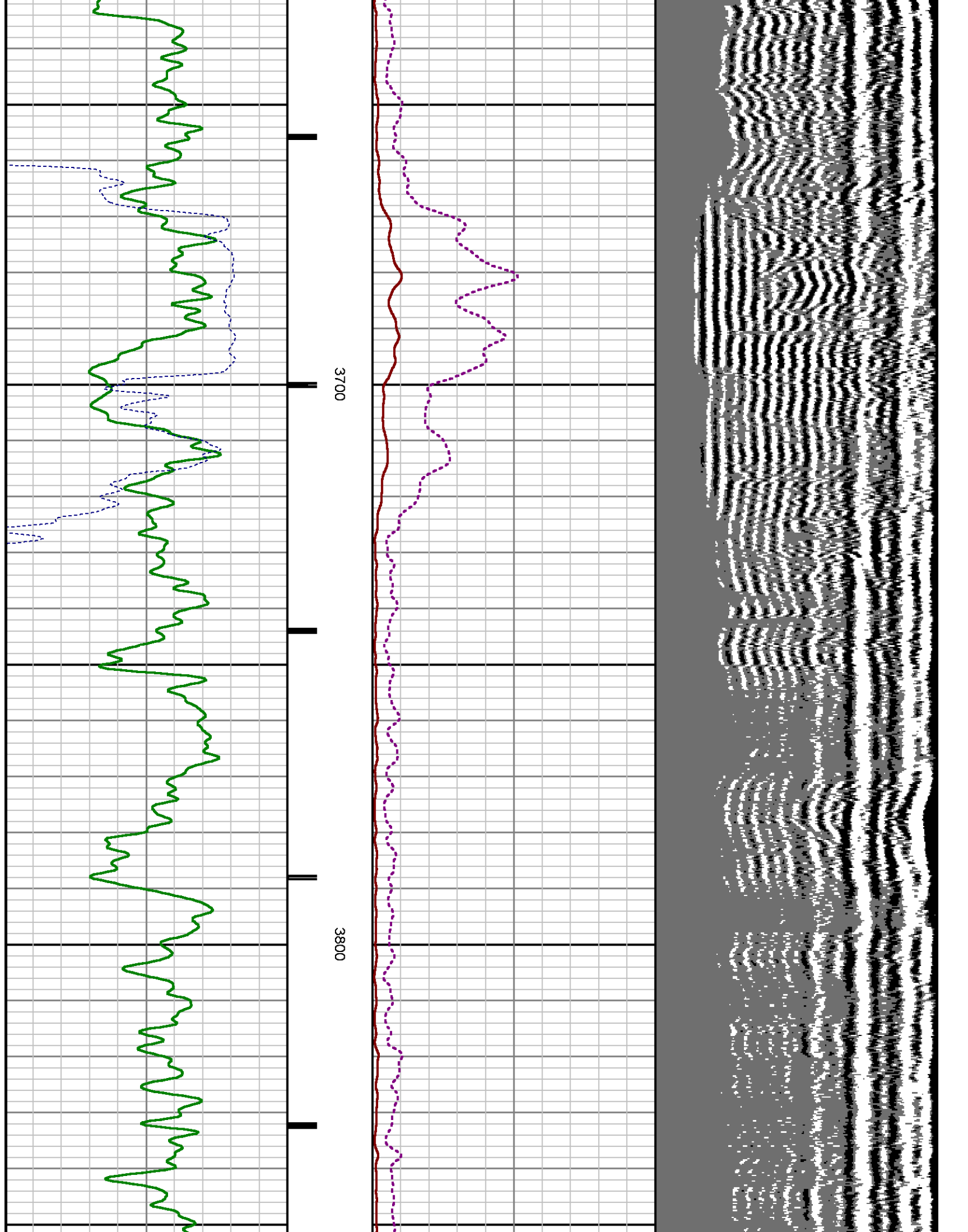
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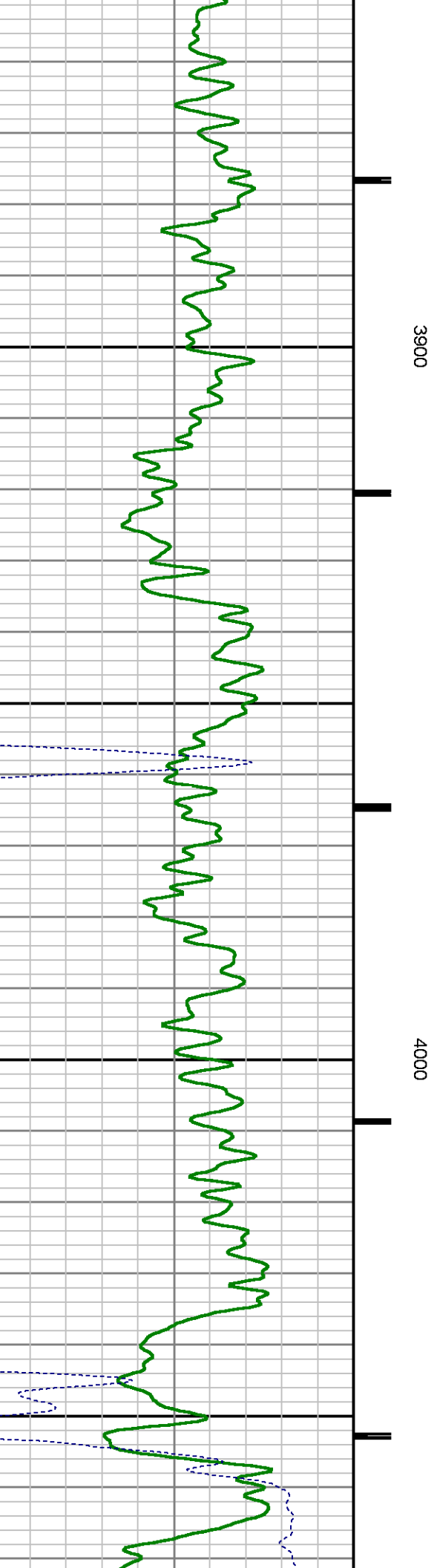
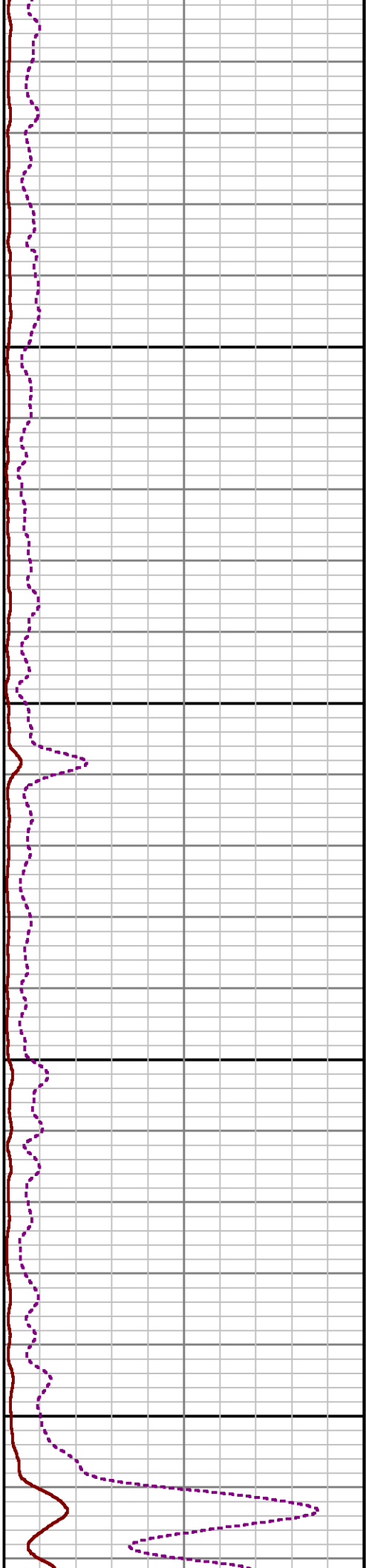
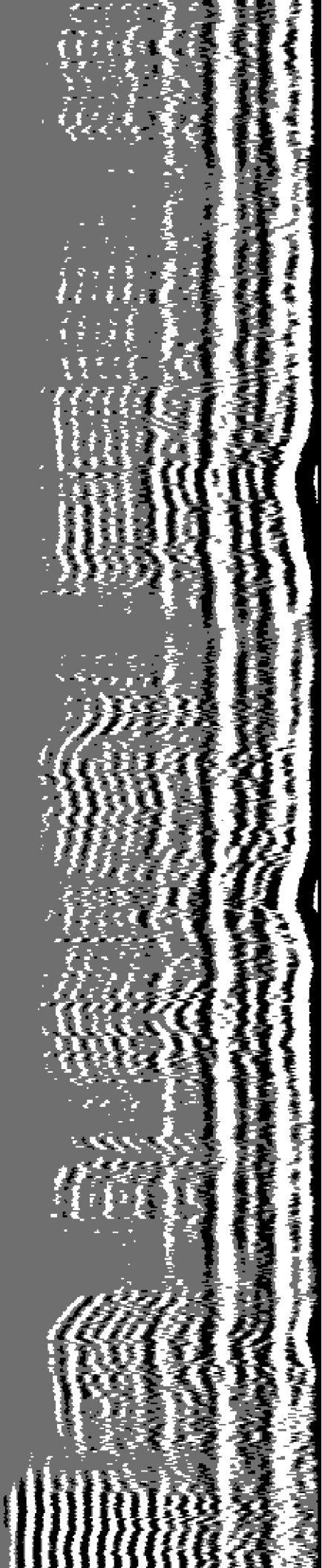


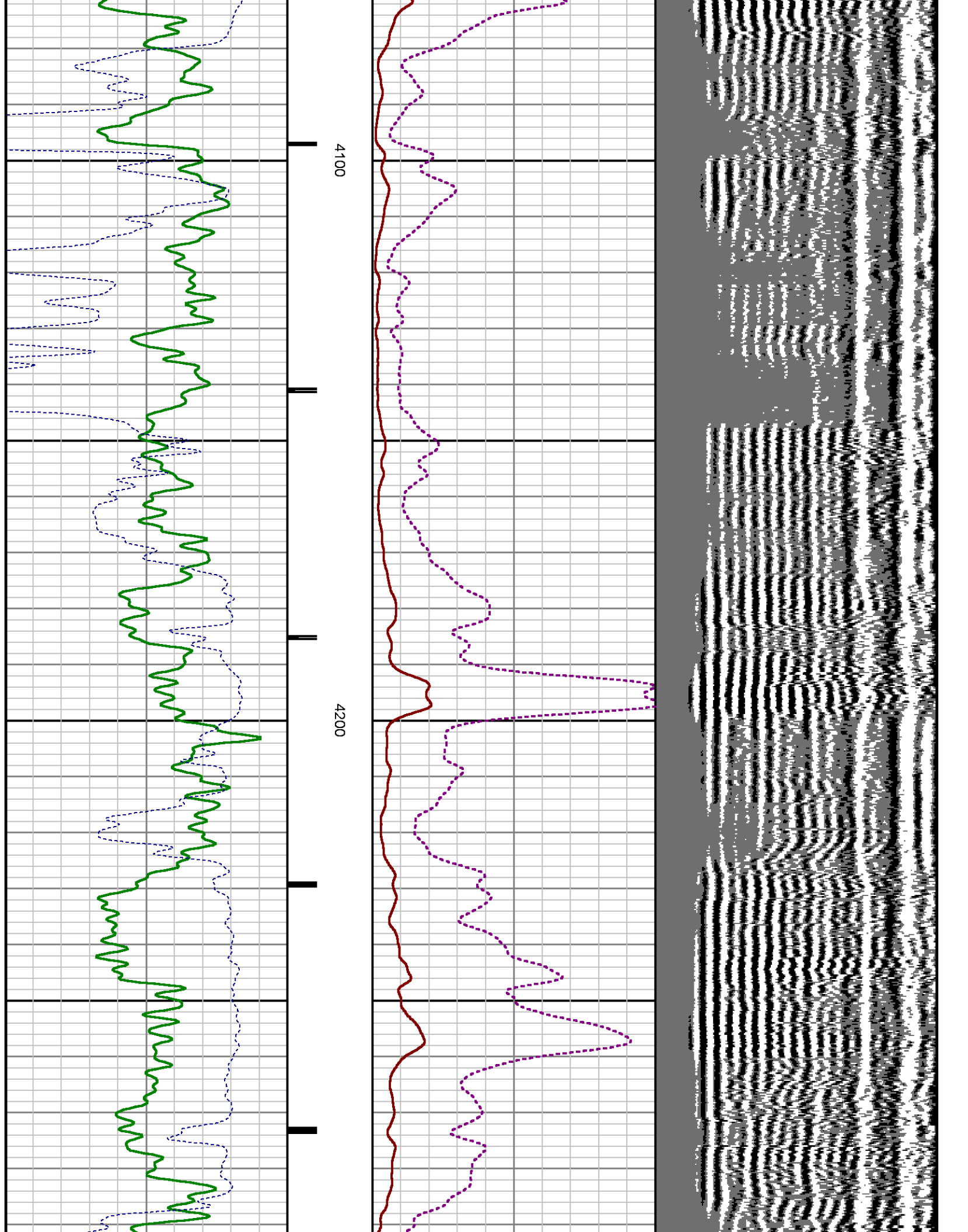


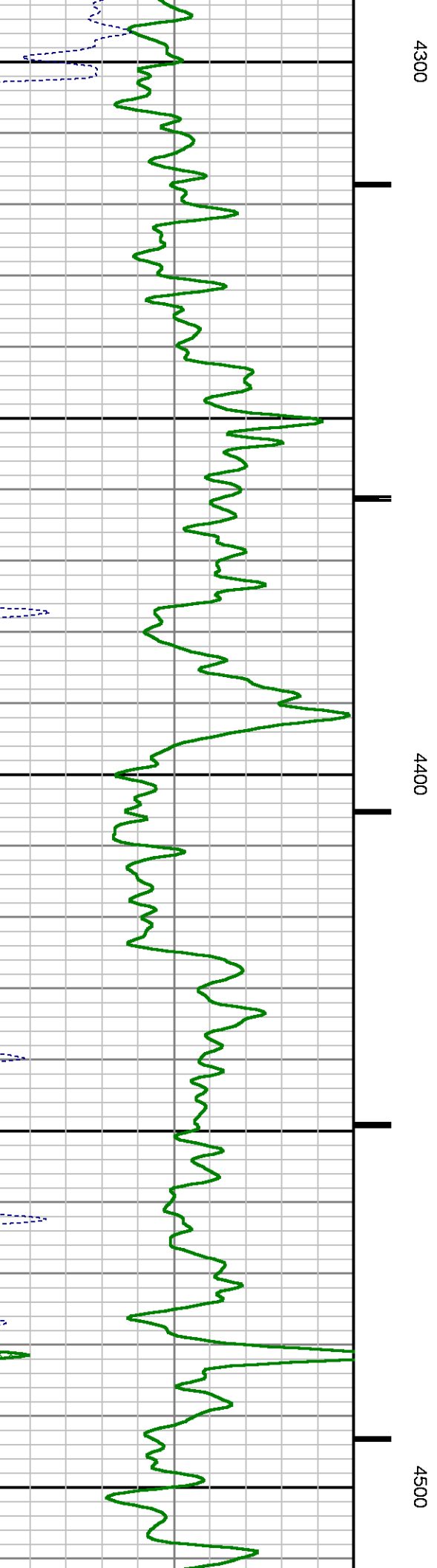
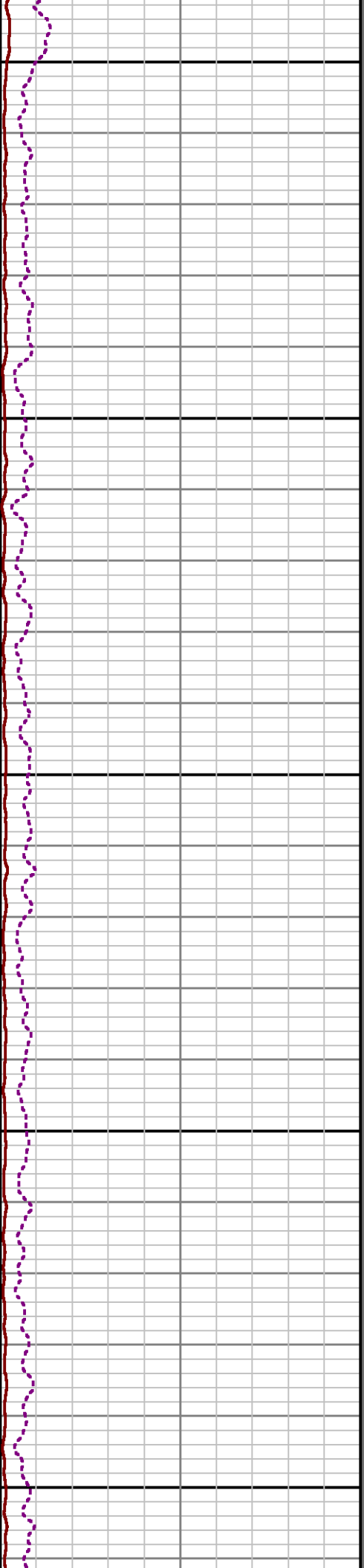
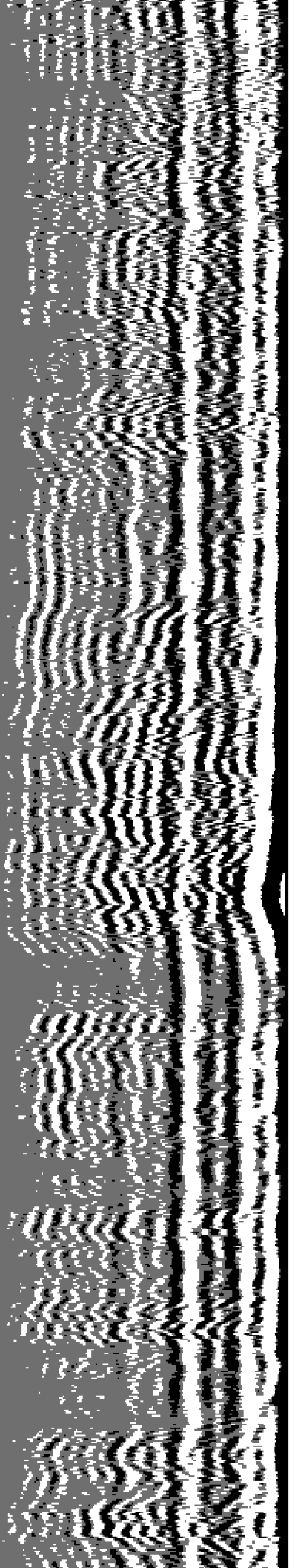


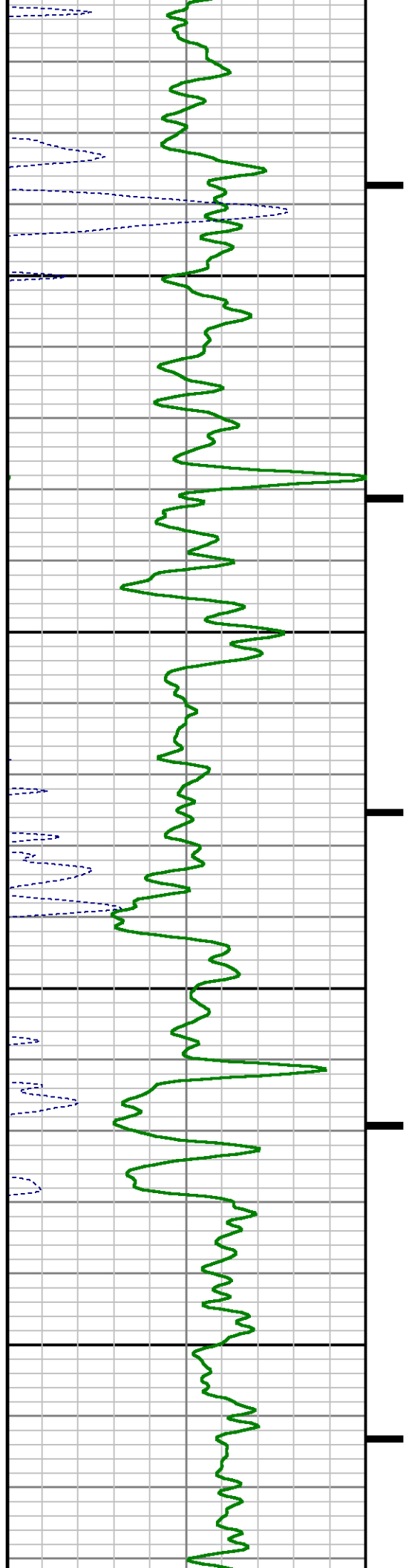
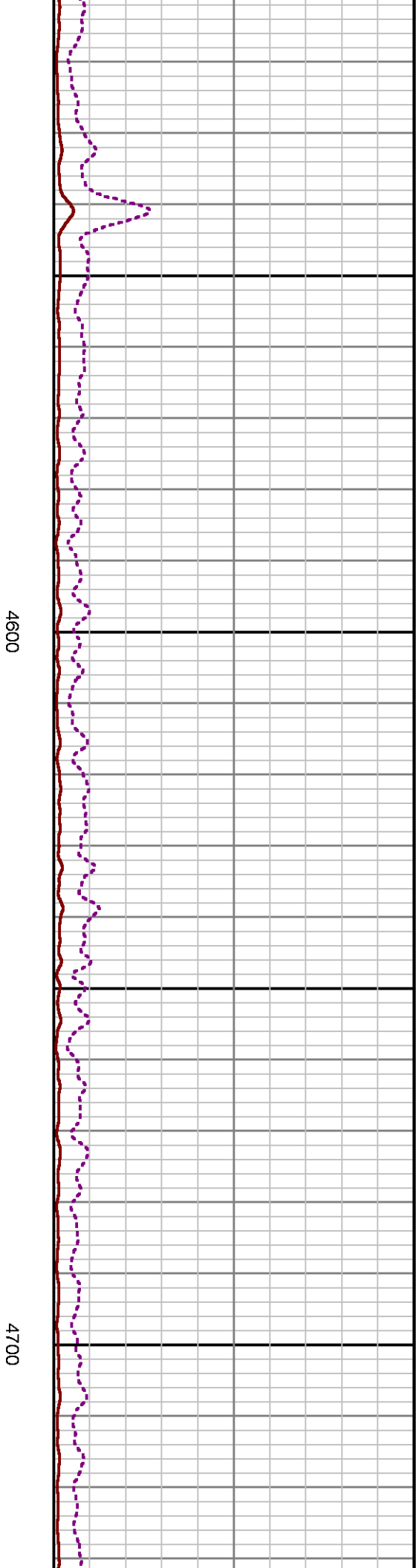
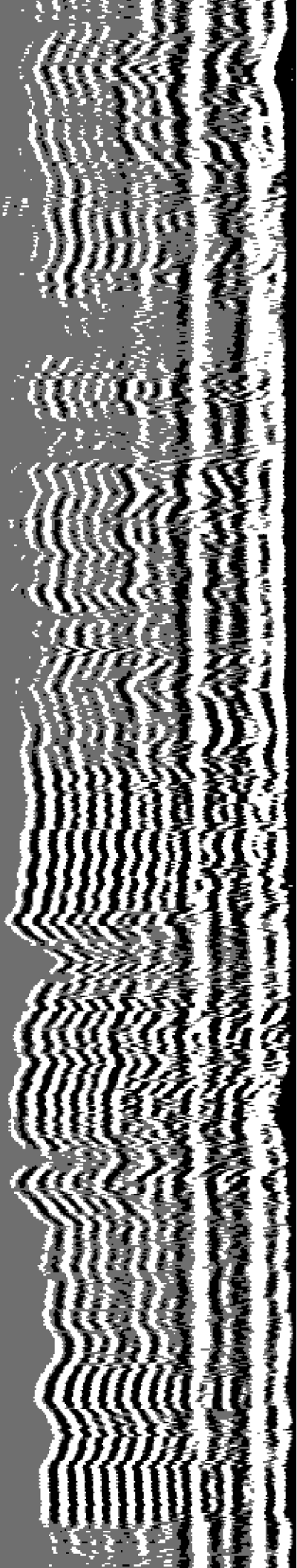


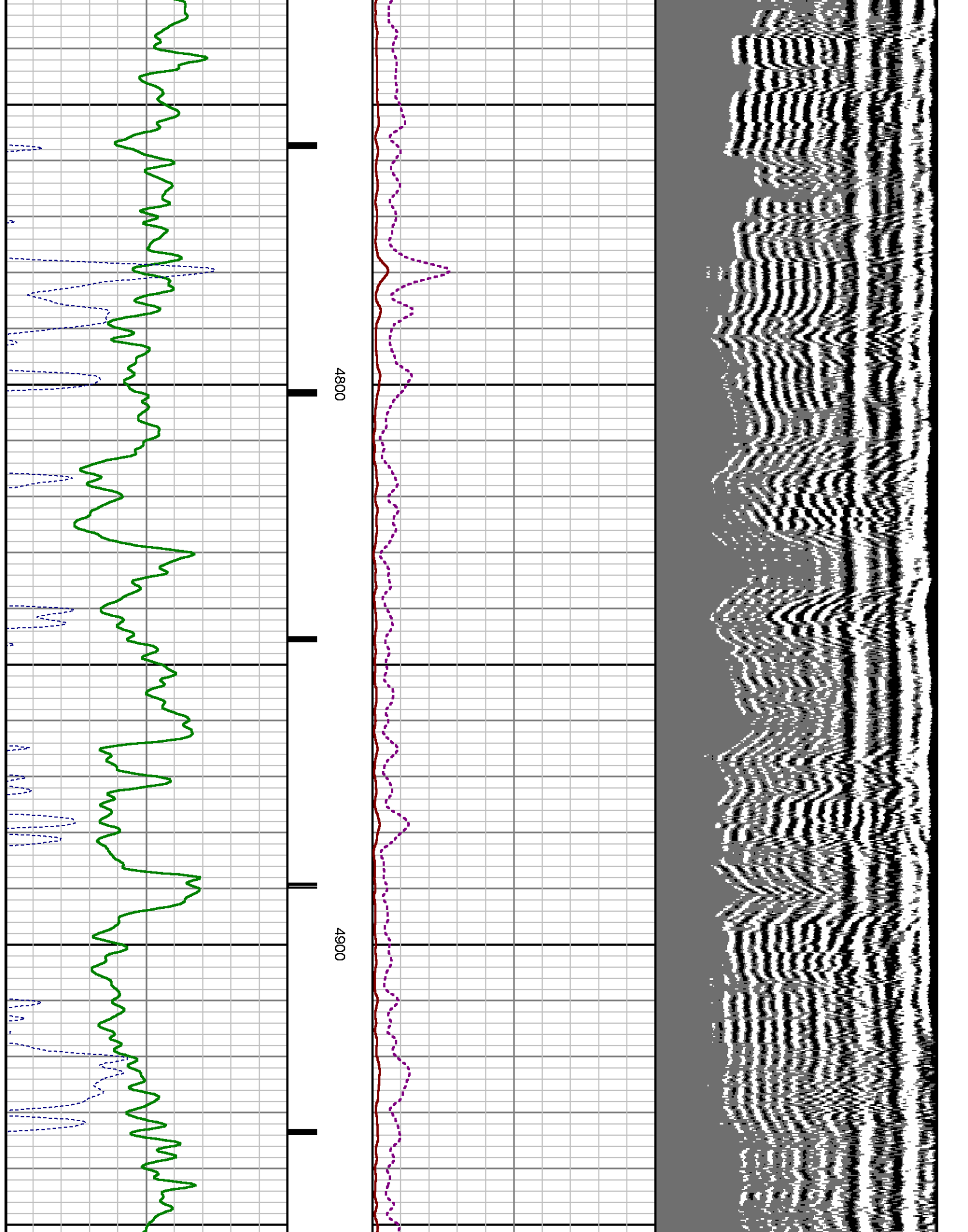


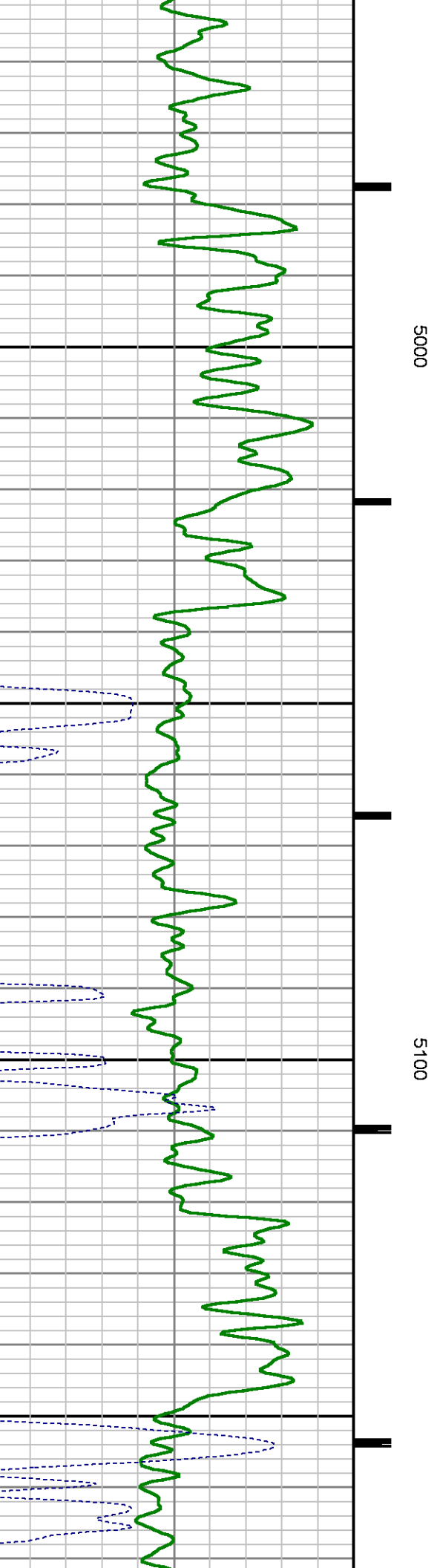
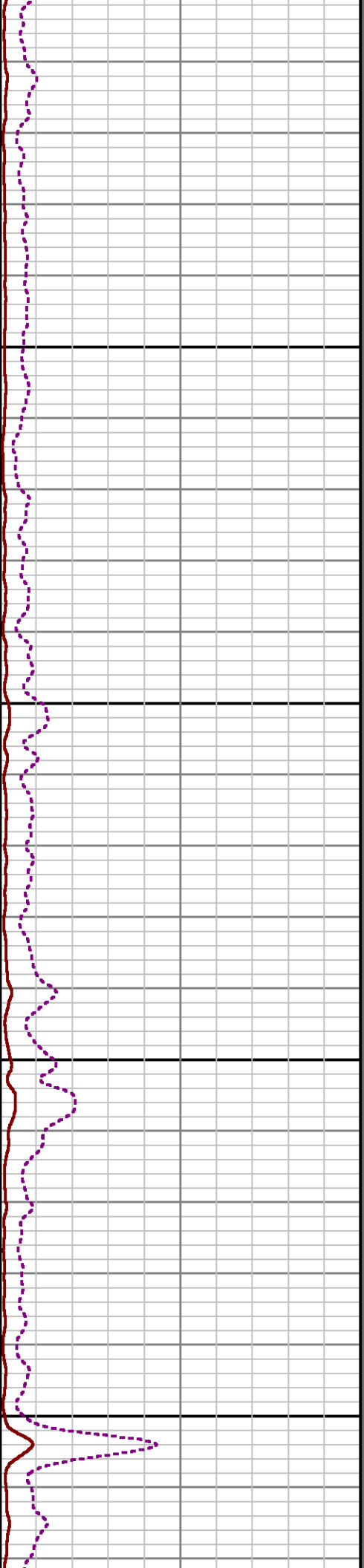
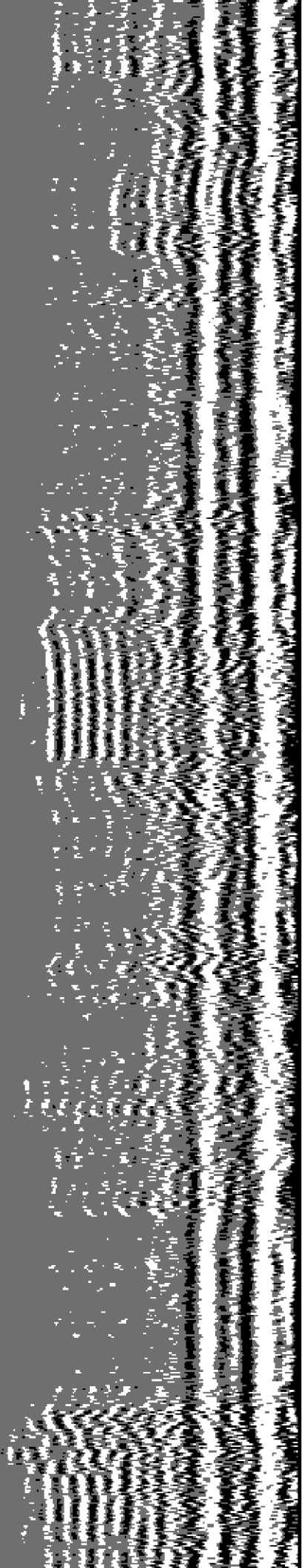


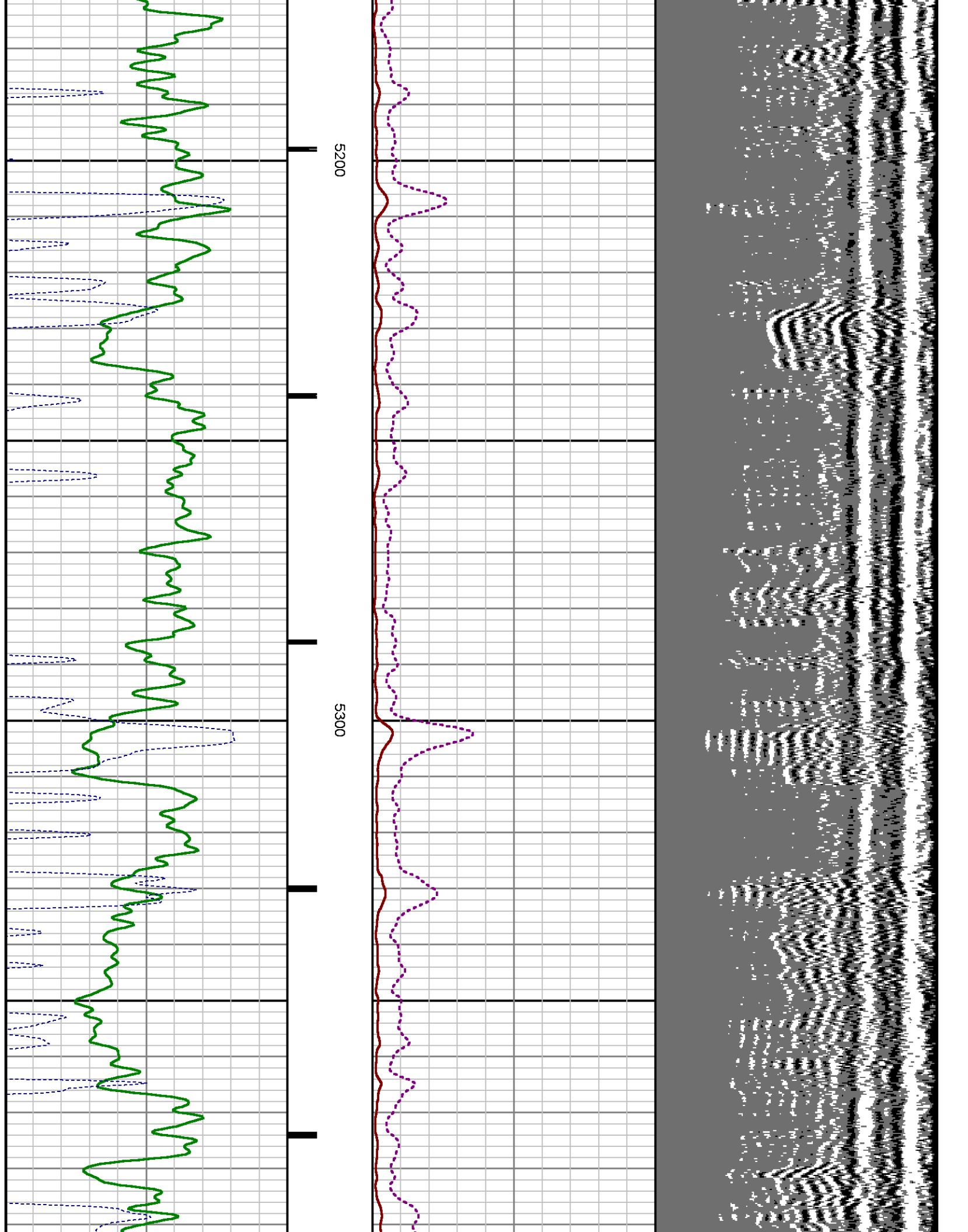


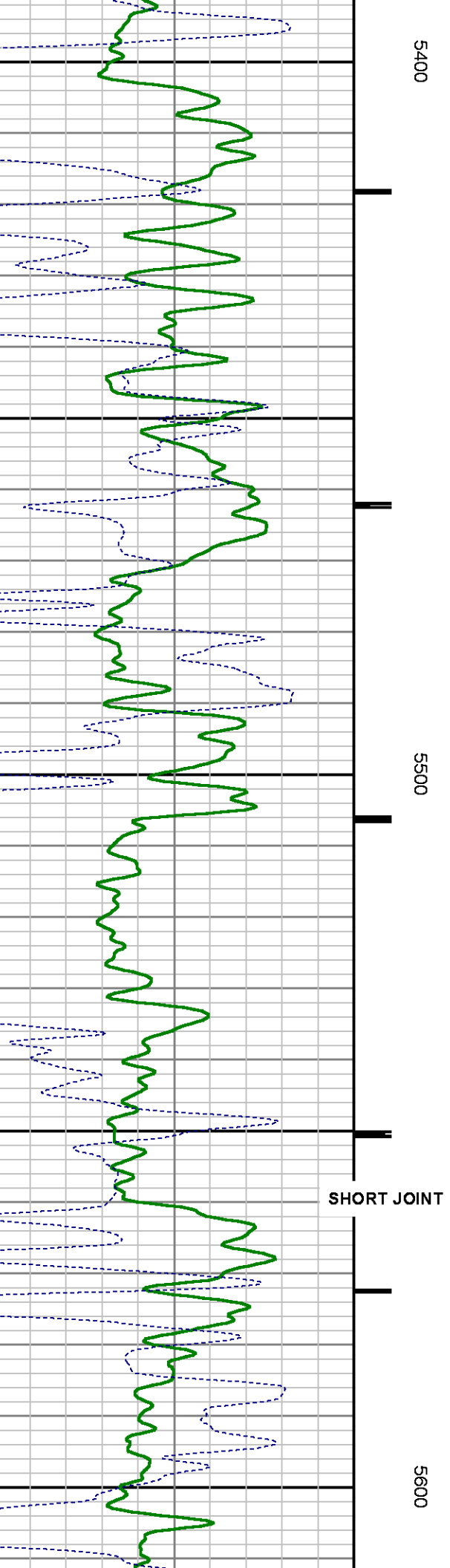
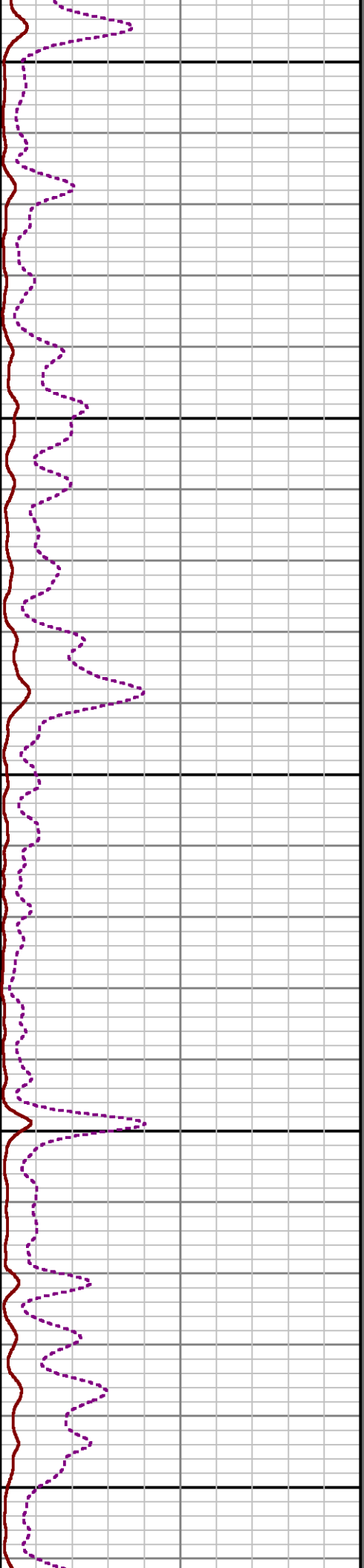
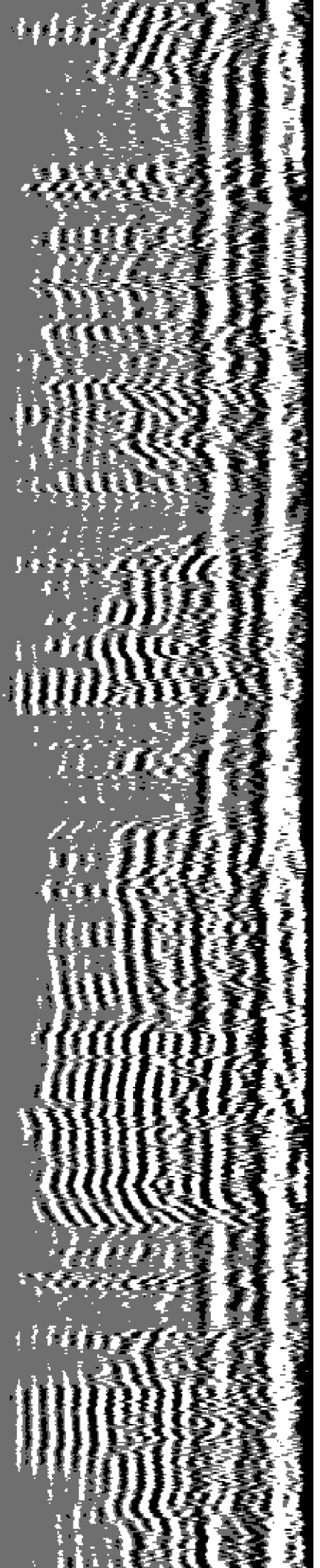


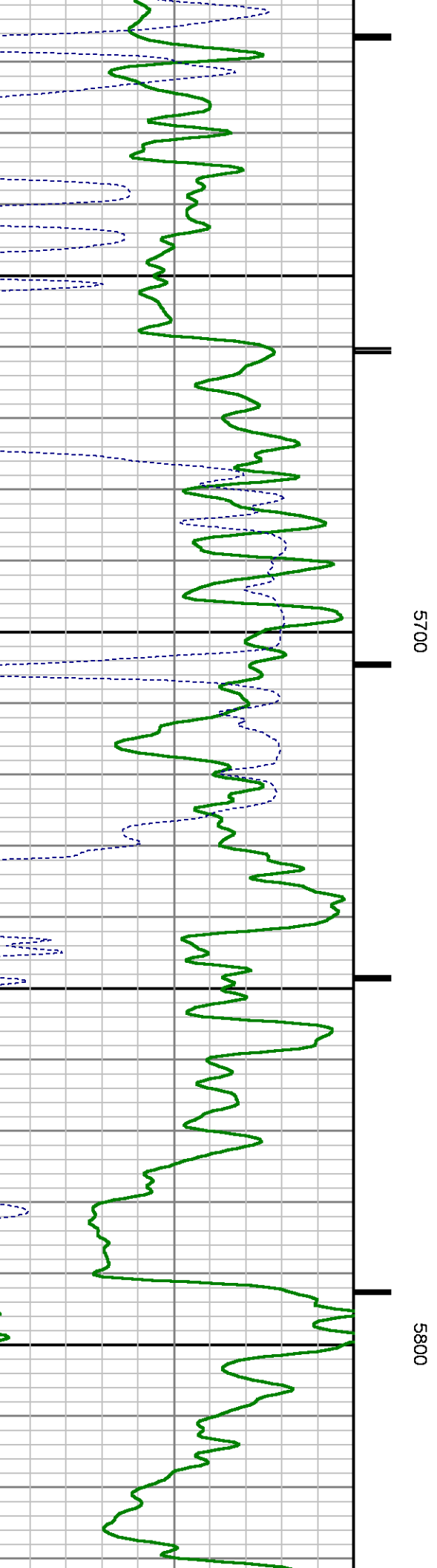
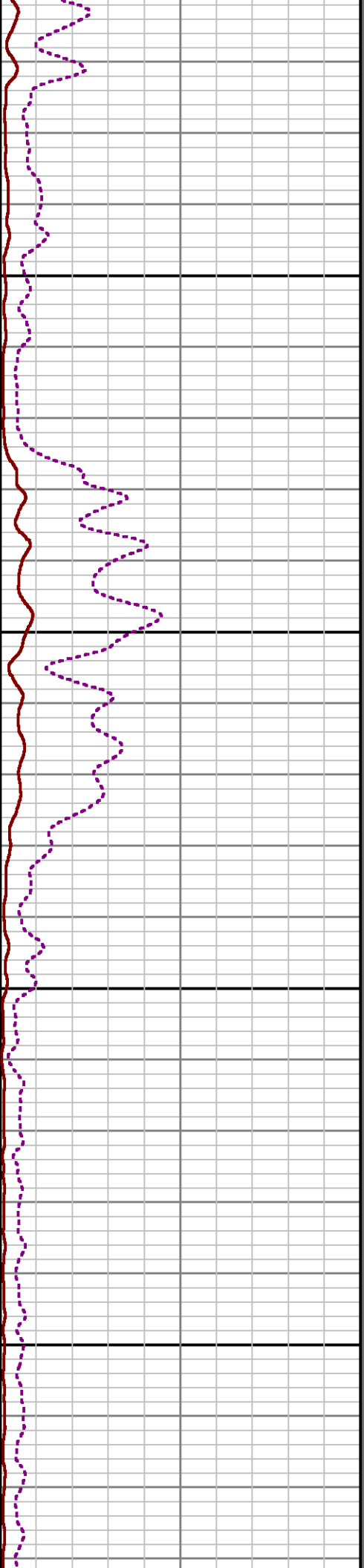
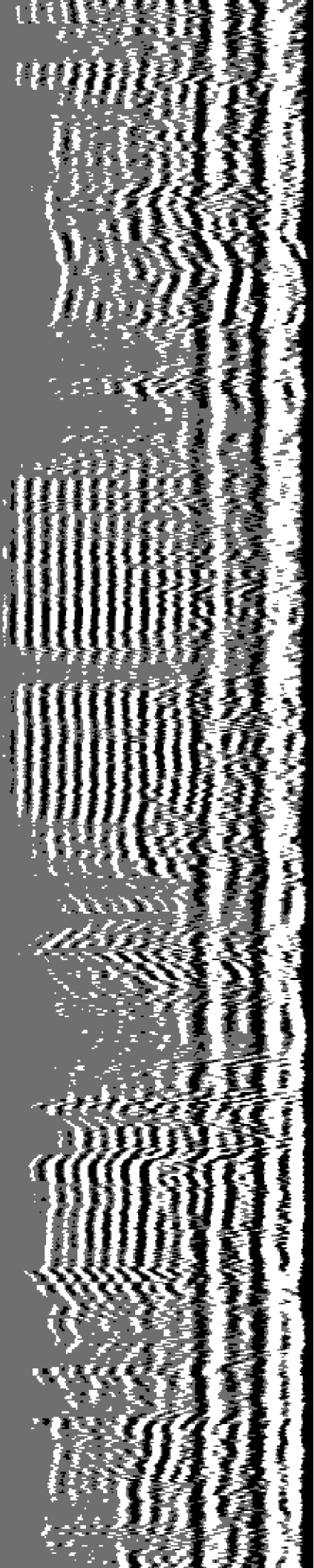


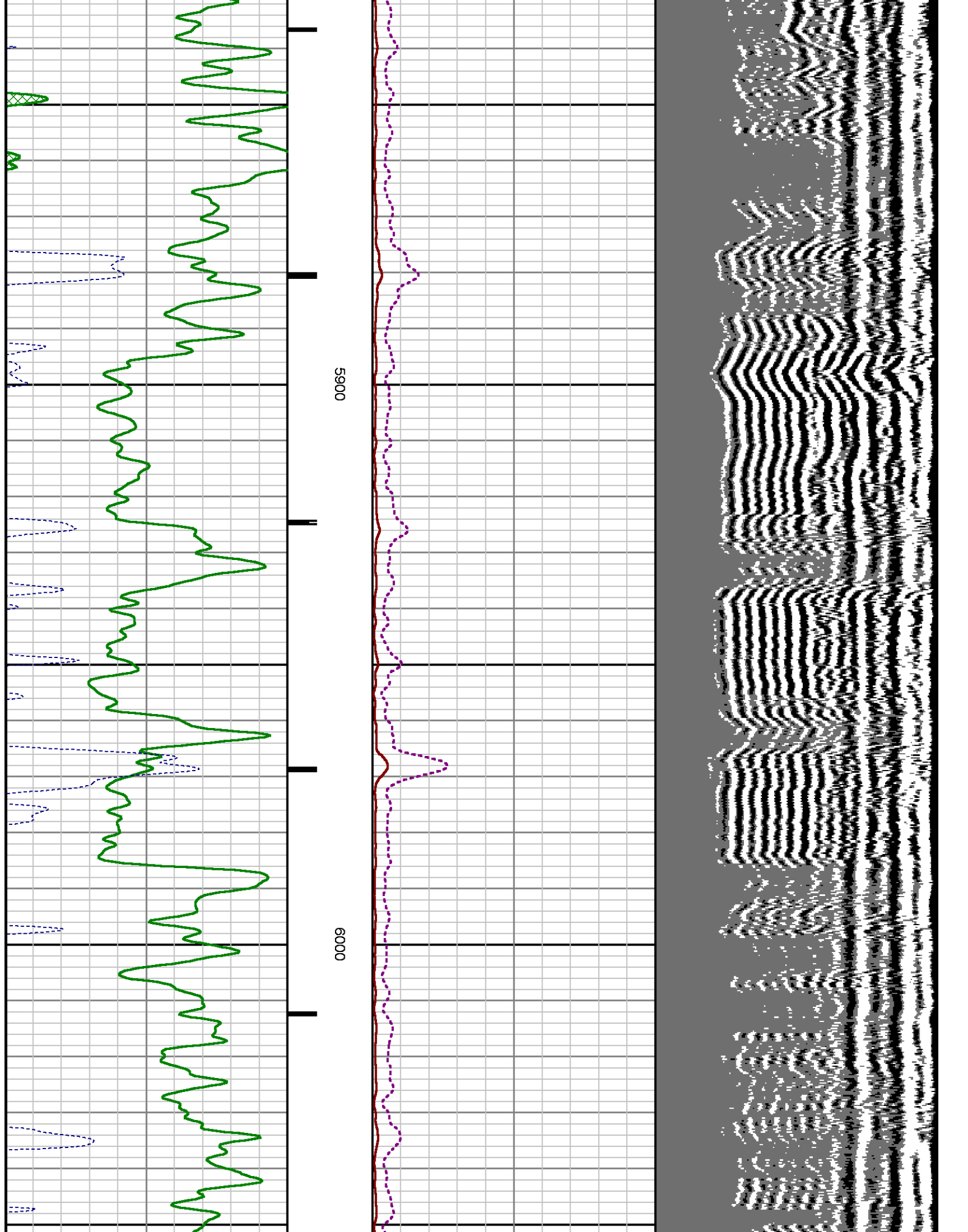


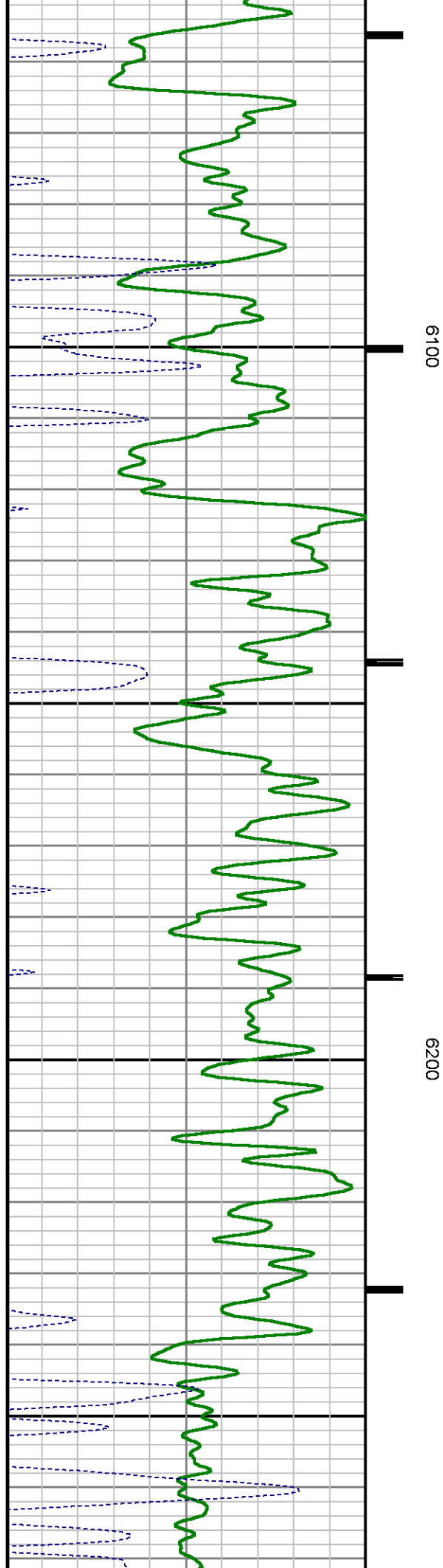
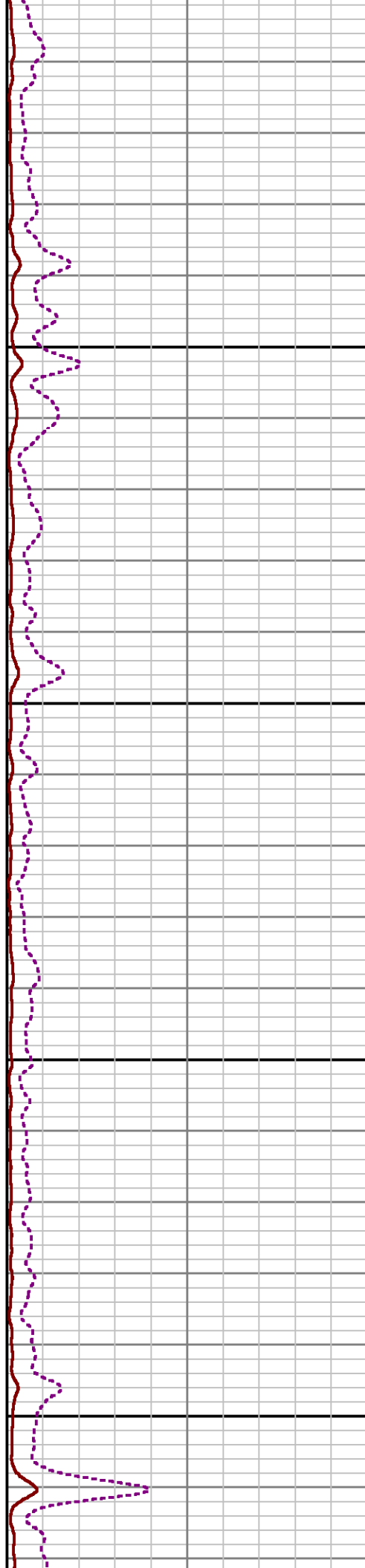
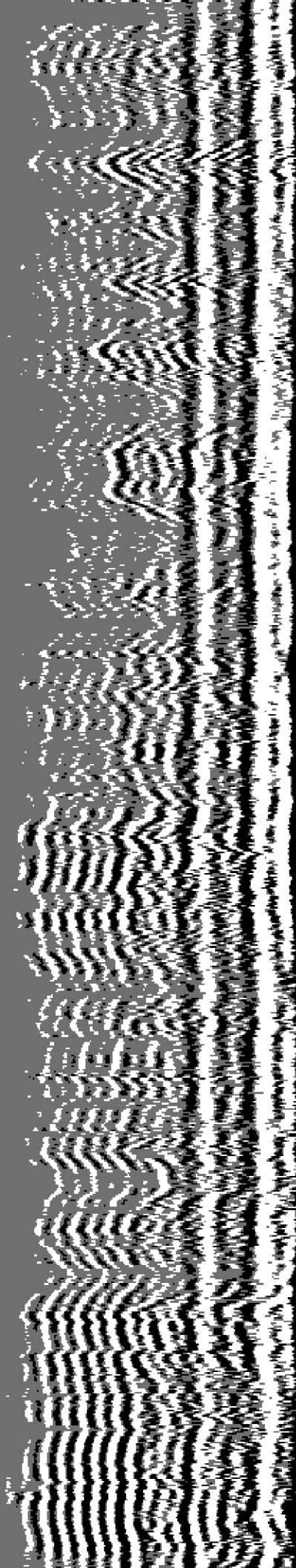


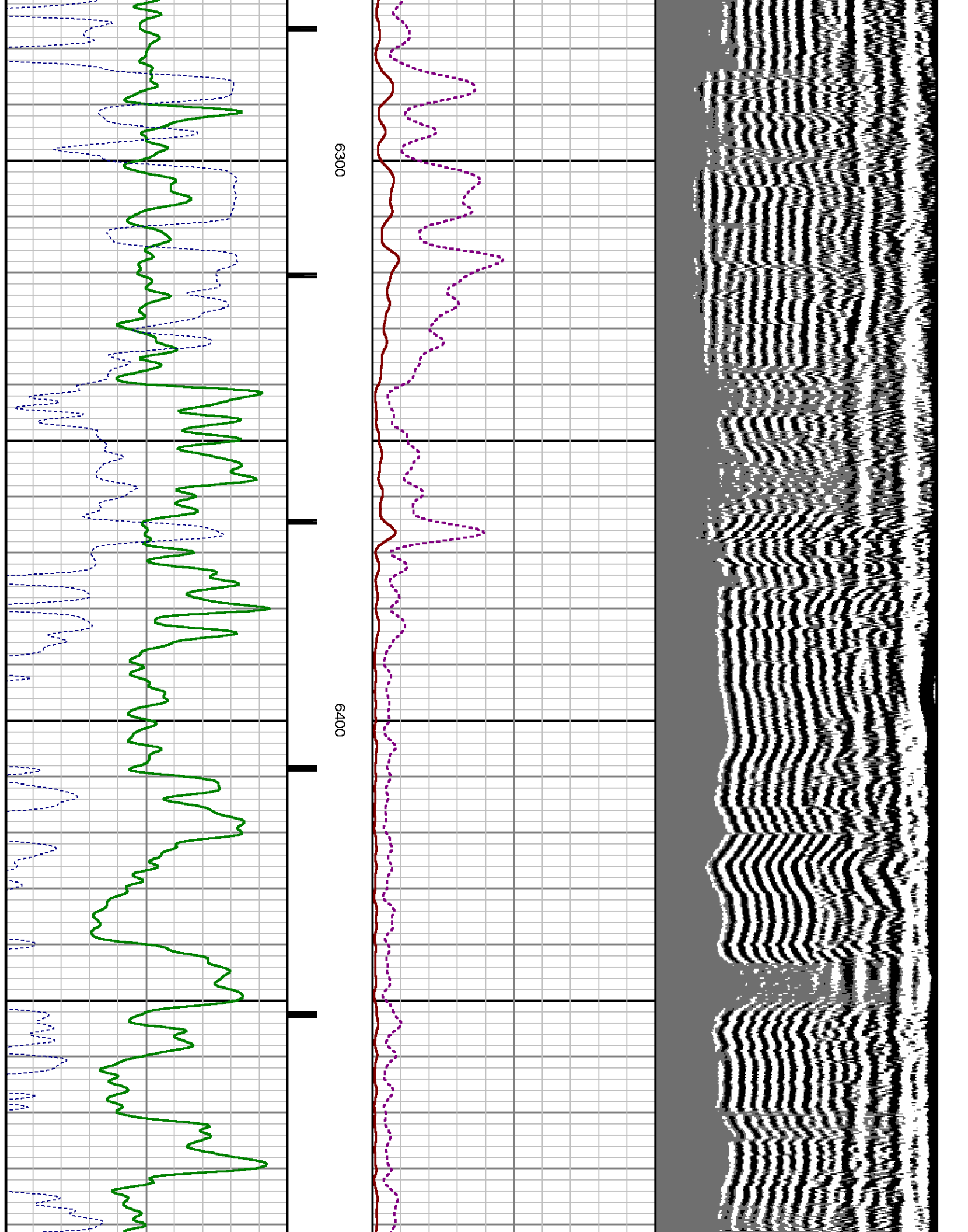


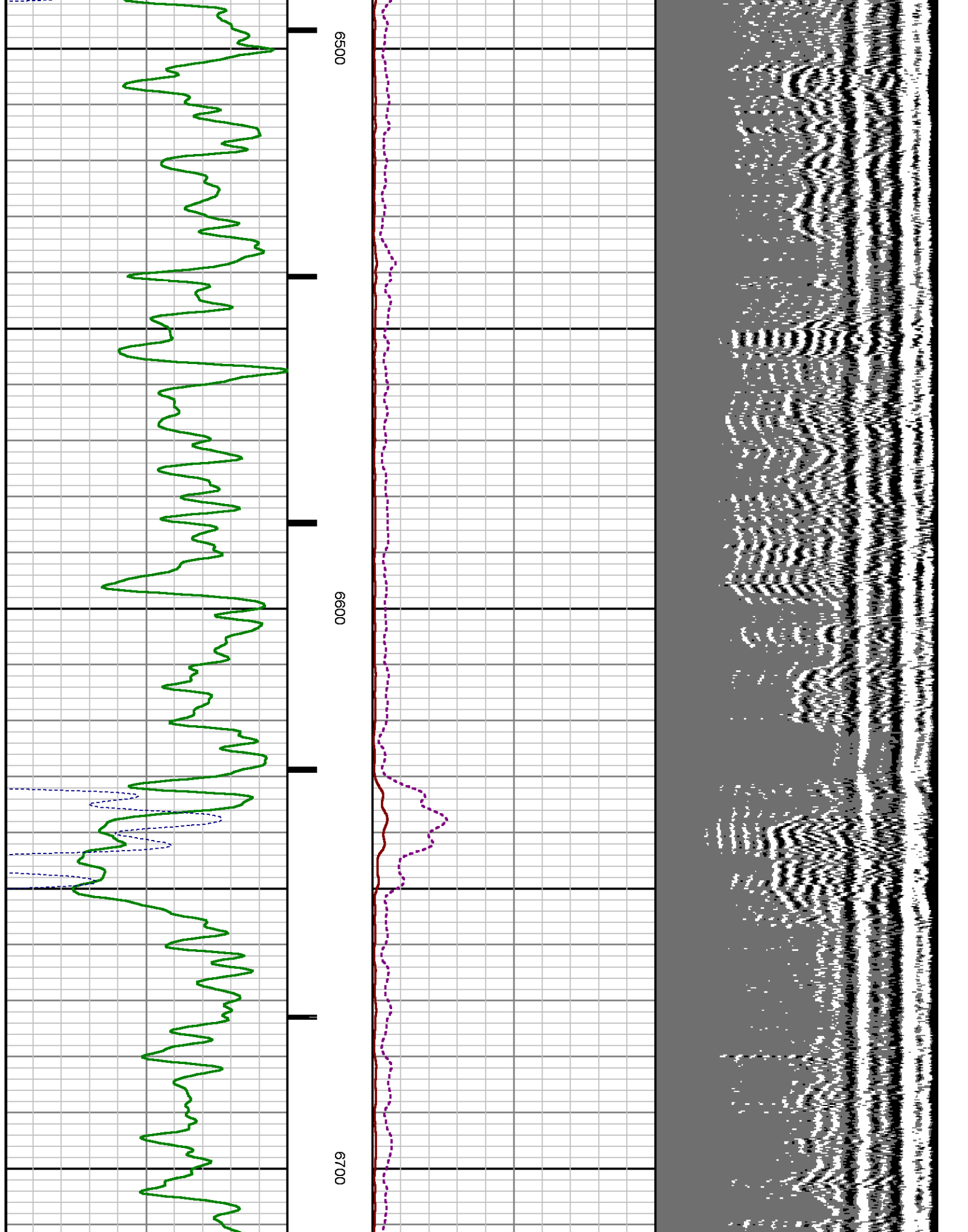


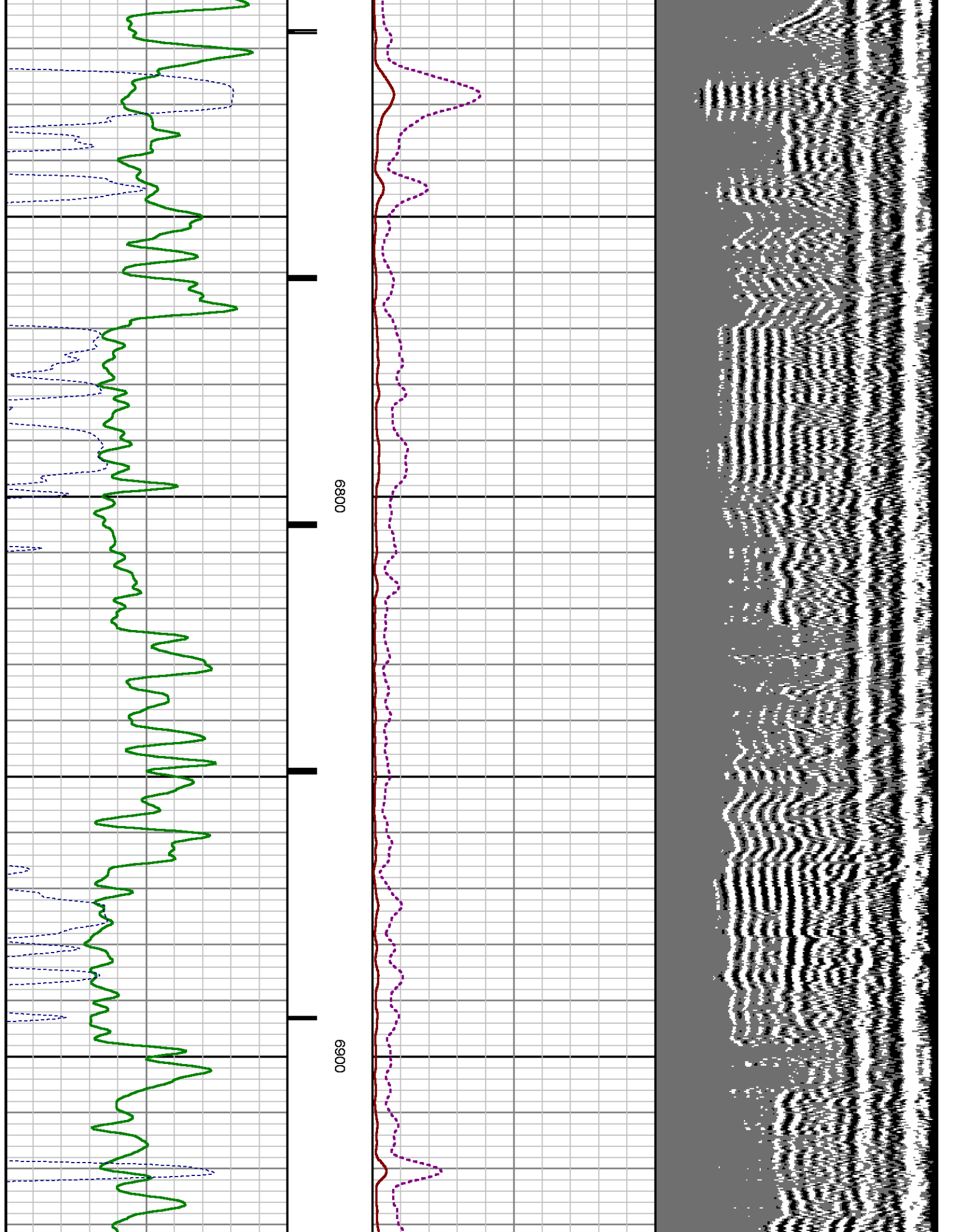


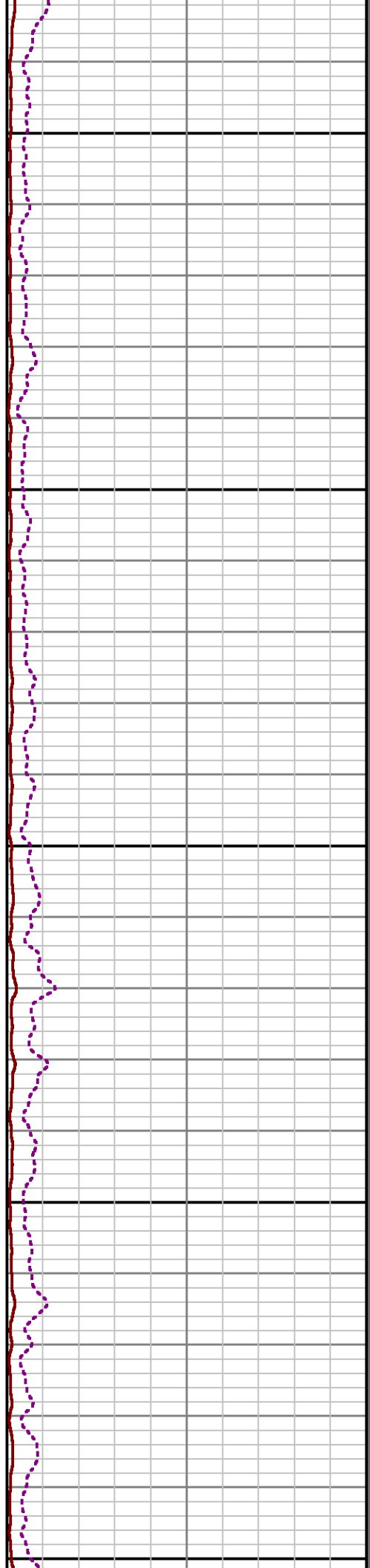
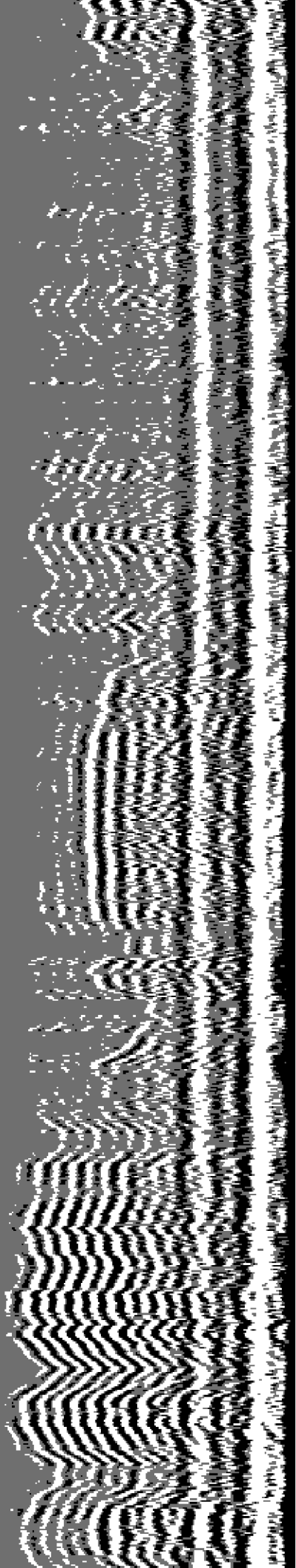






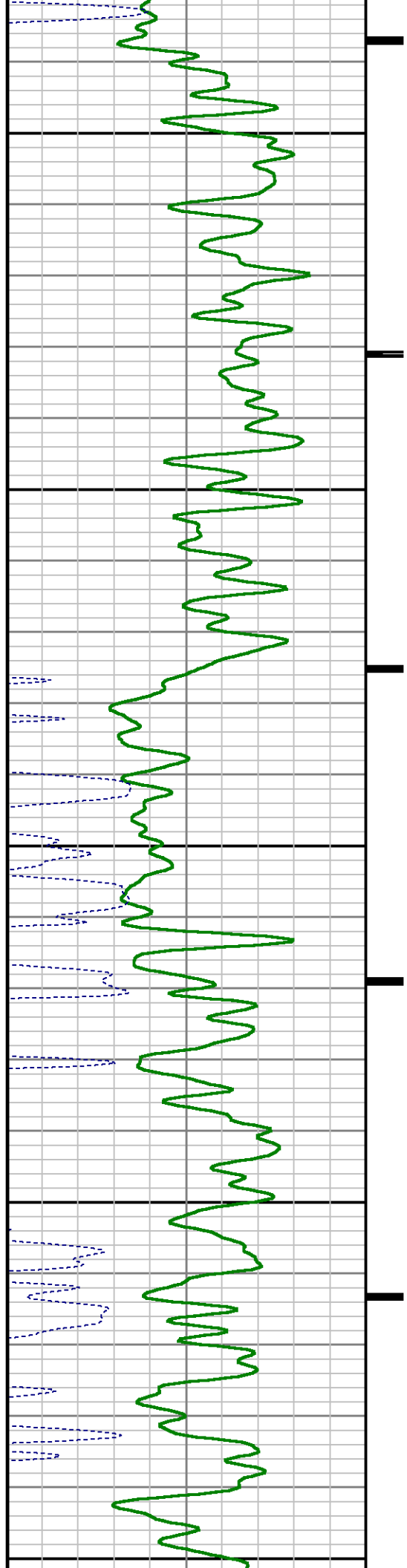


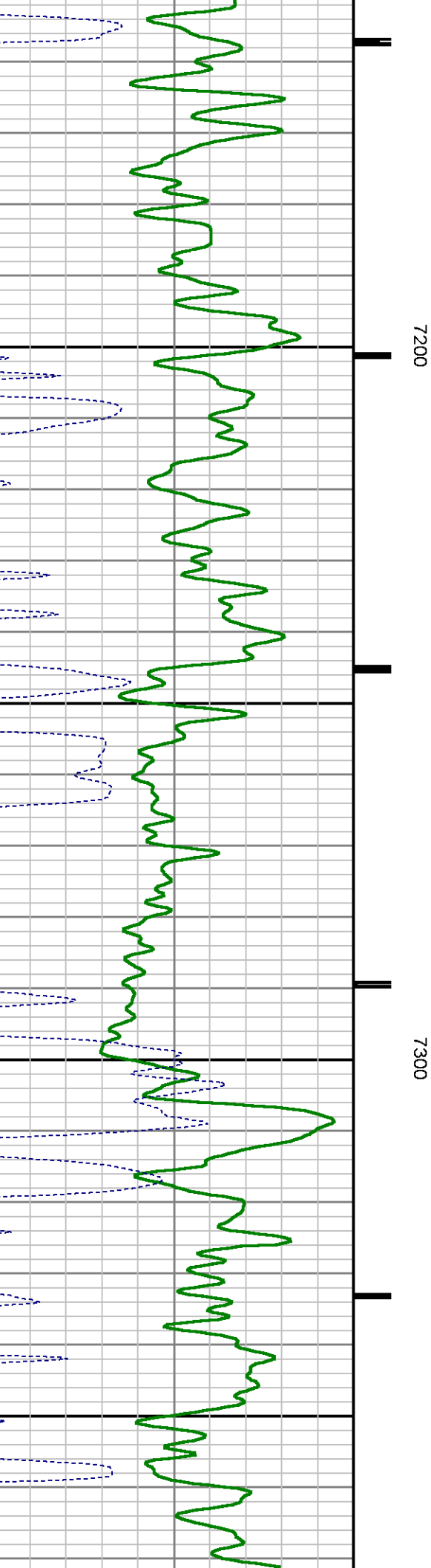
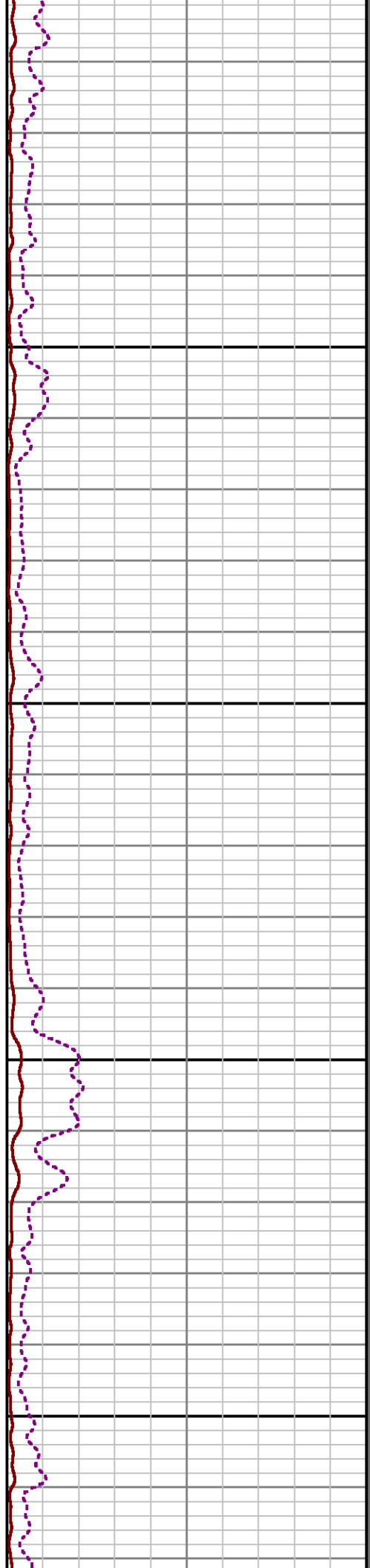
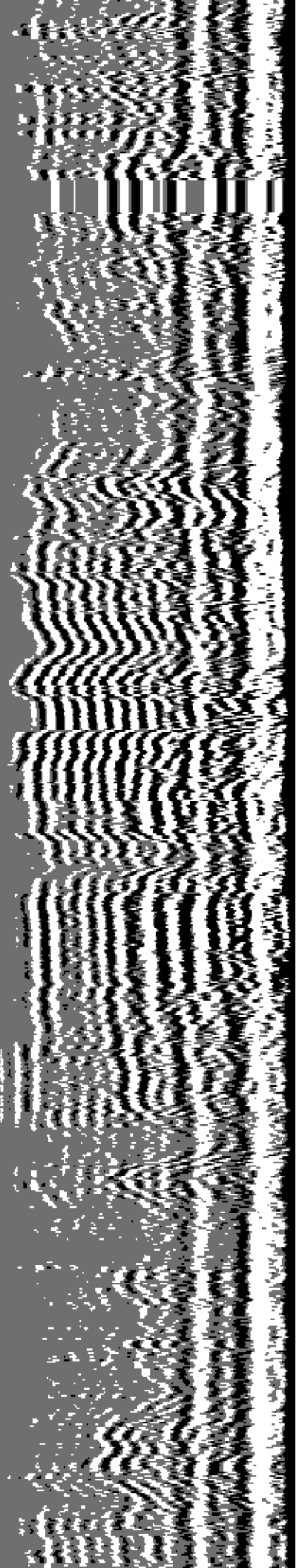


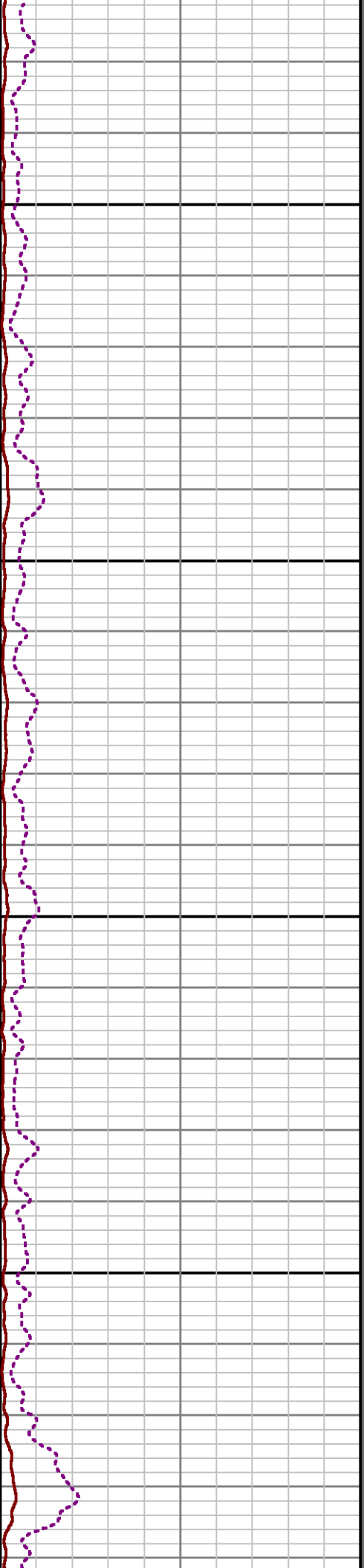
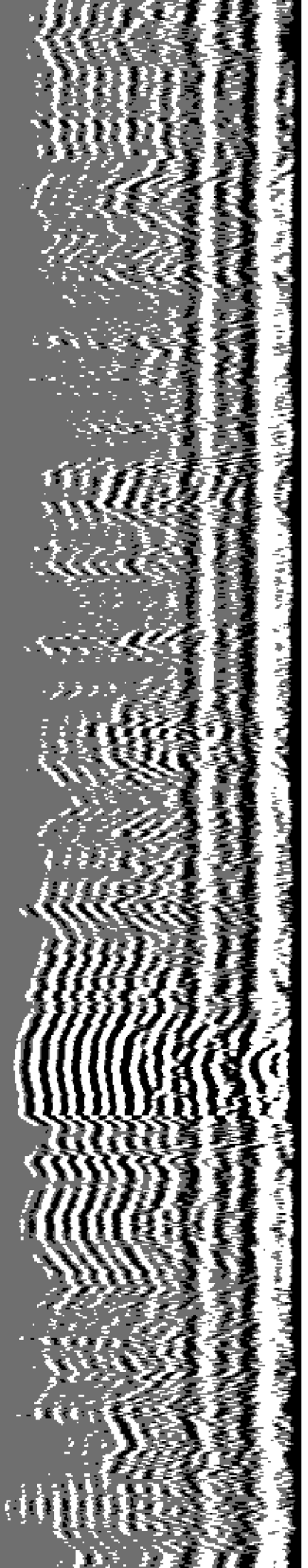


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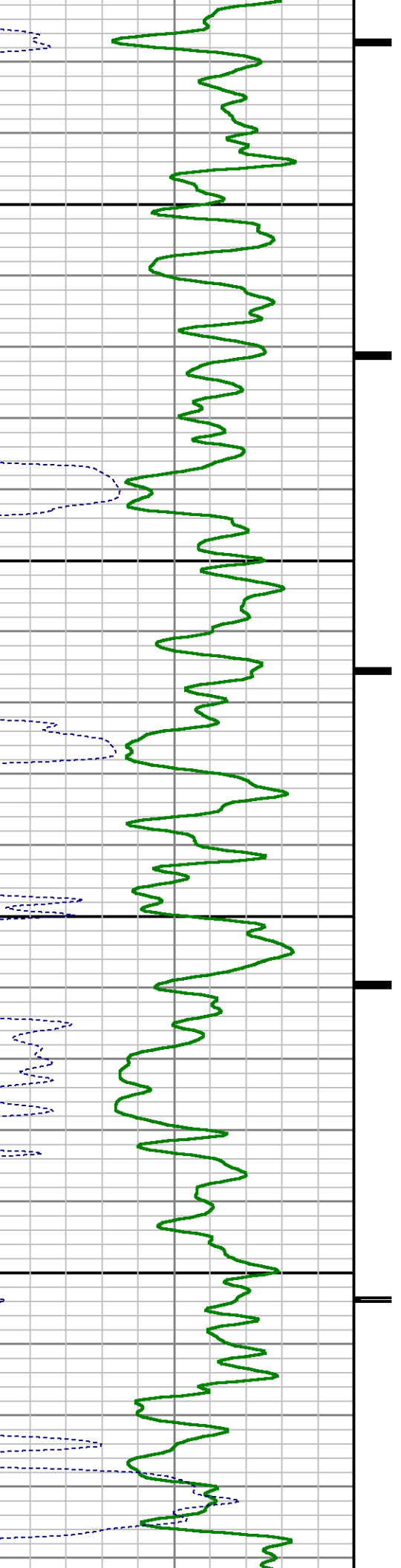


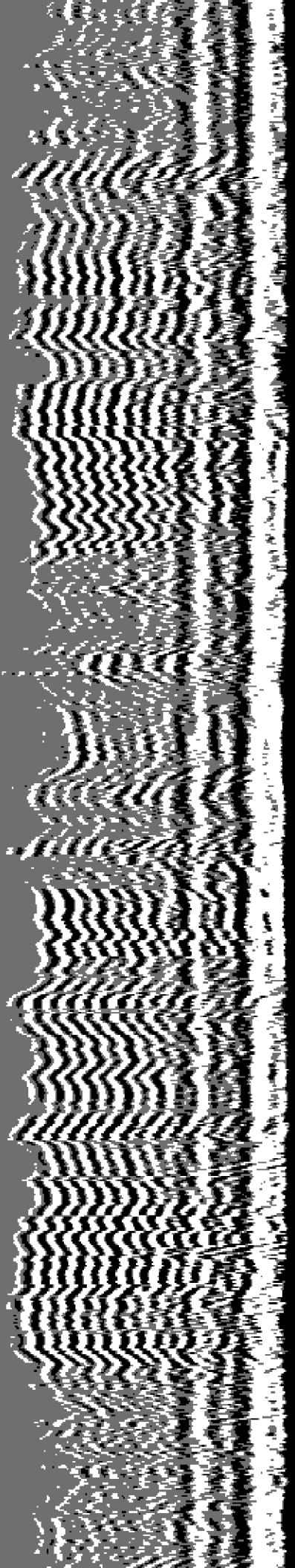




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7500





7600

7700

7800



1

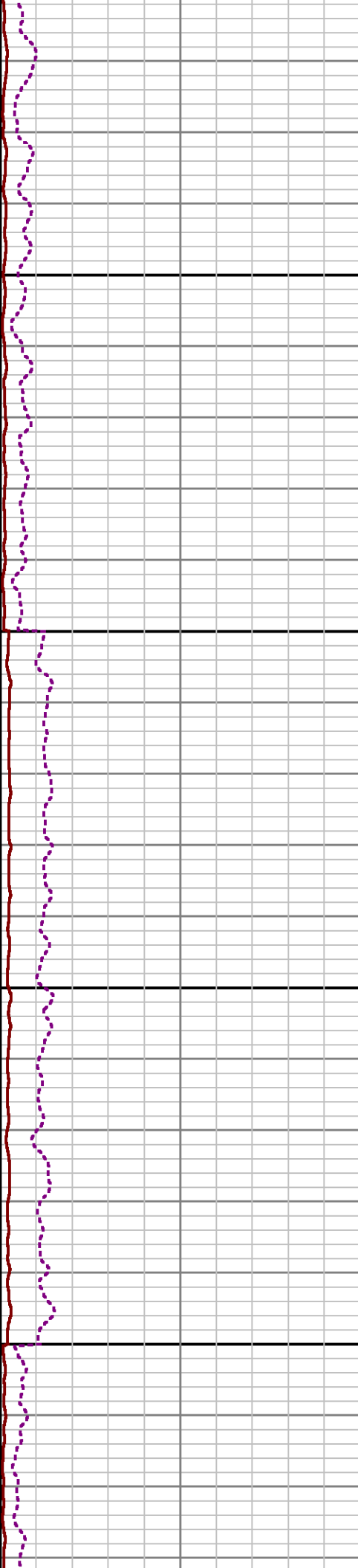
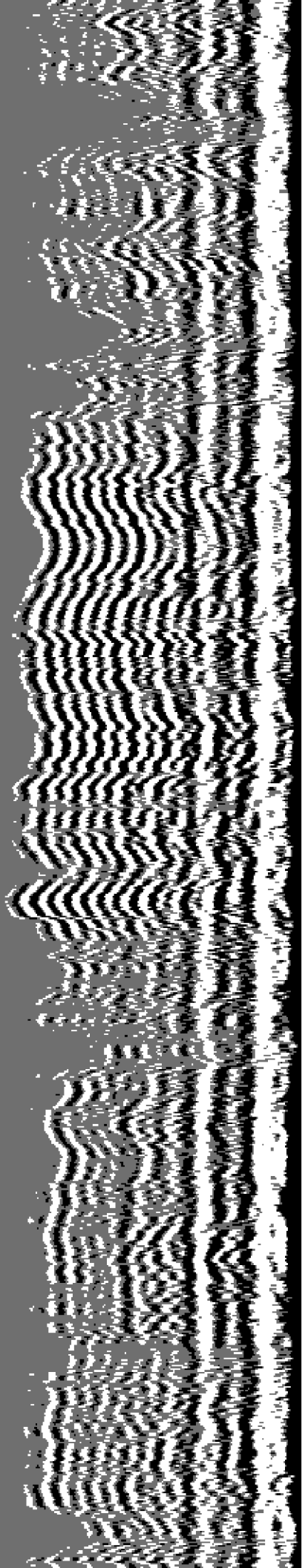
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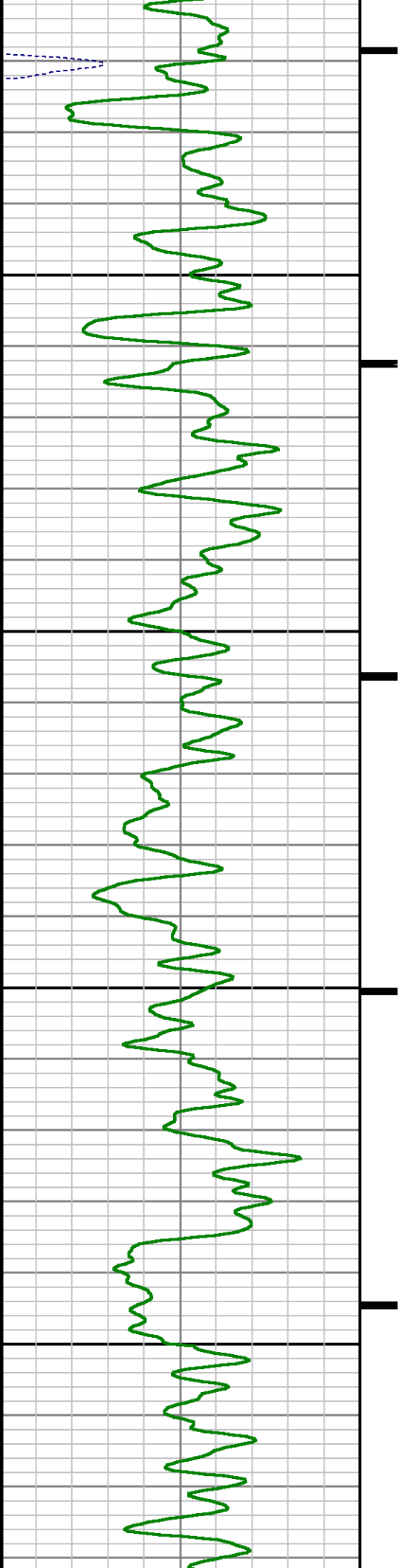
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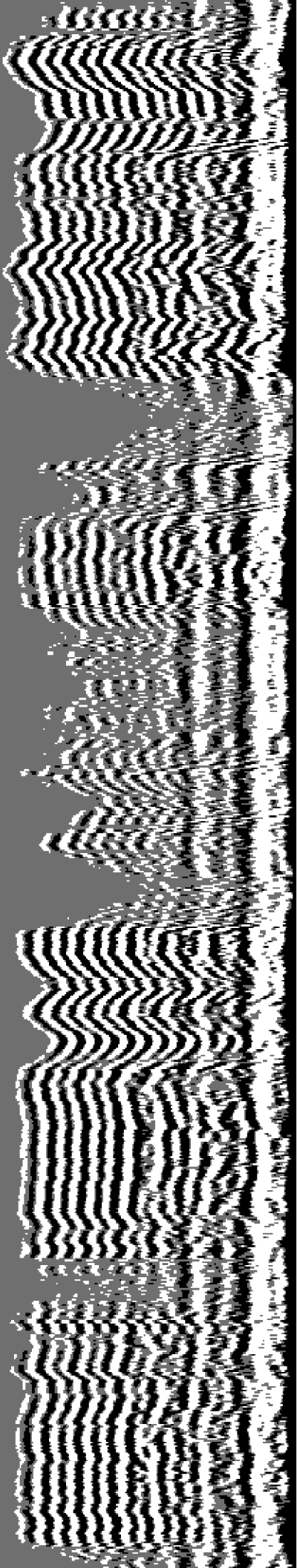
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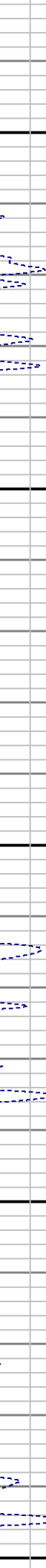
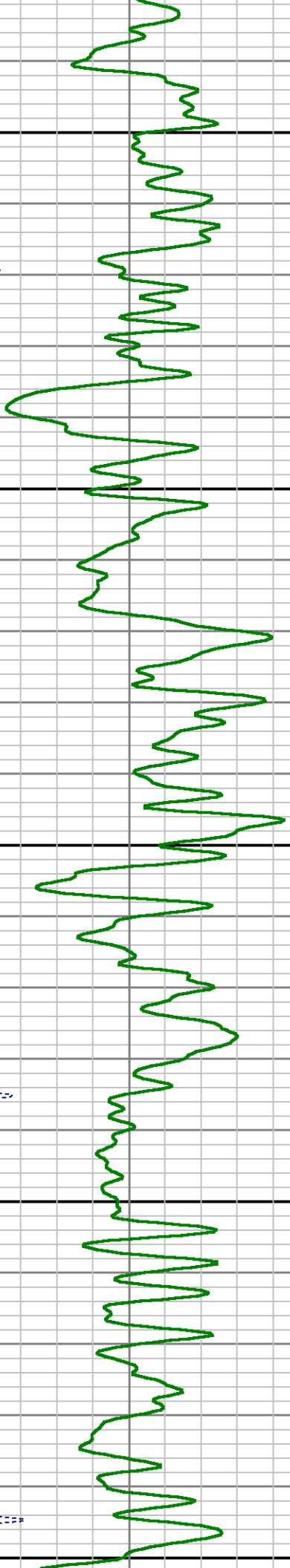
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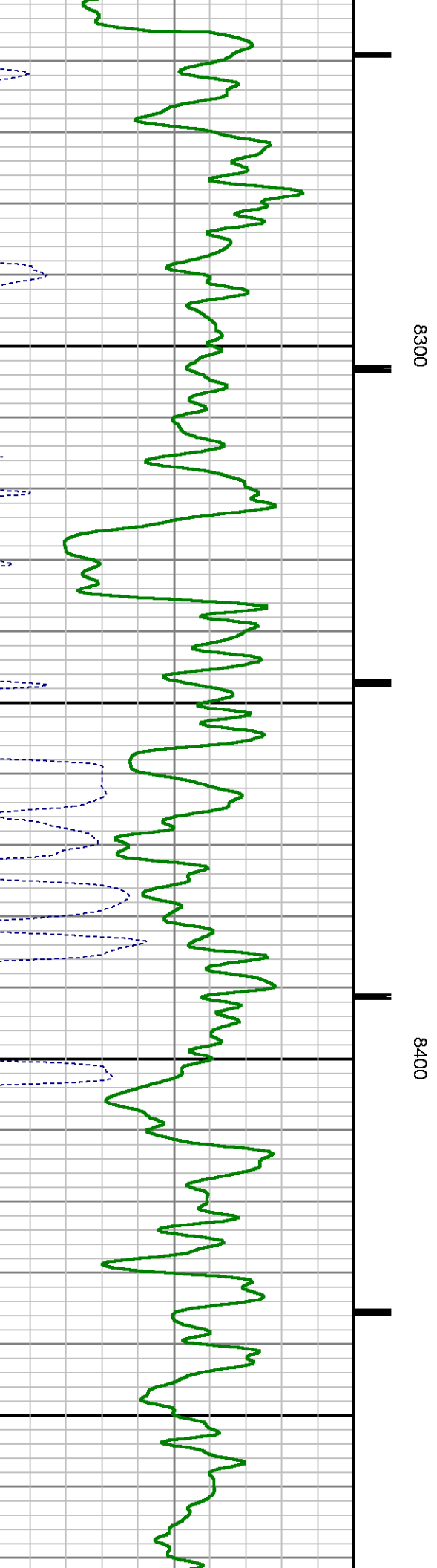
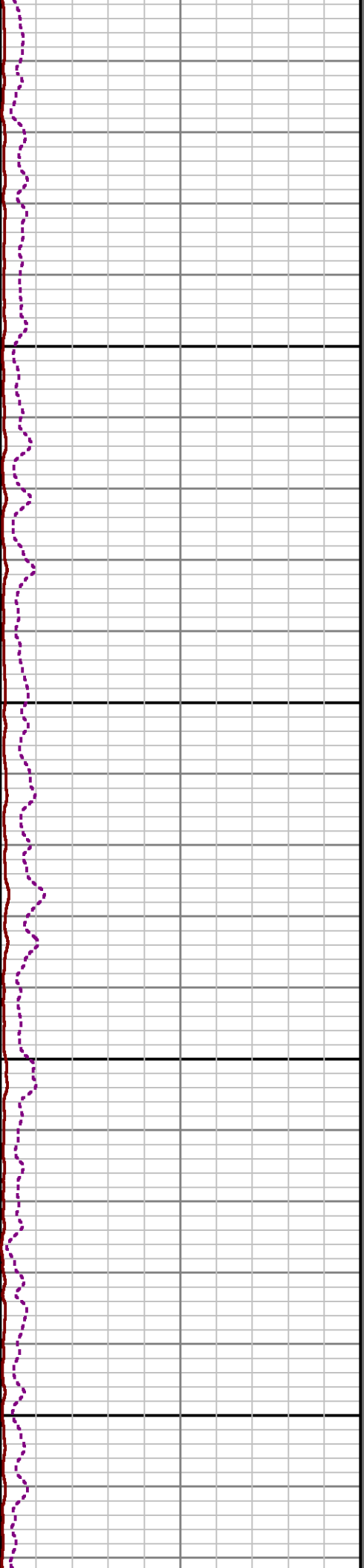
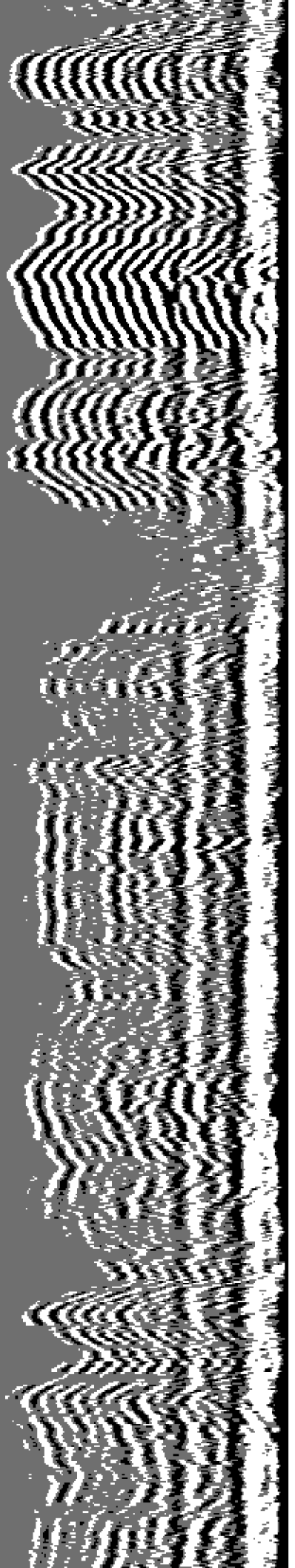


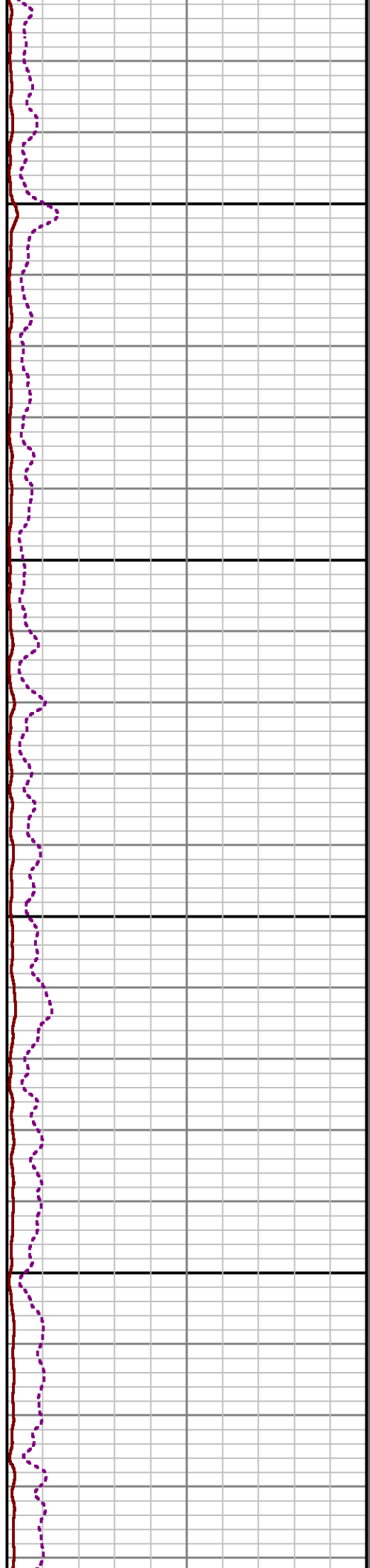
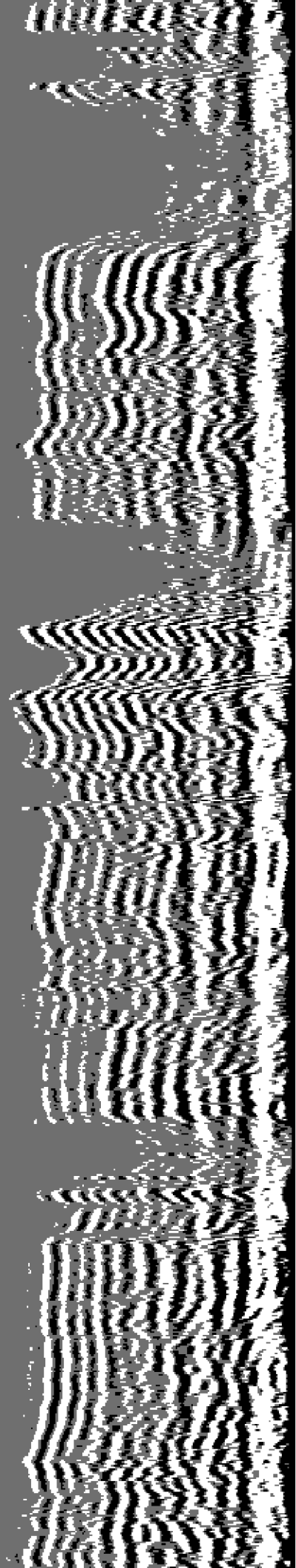


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8200

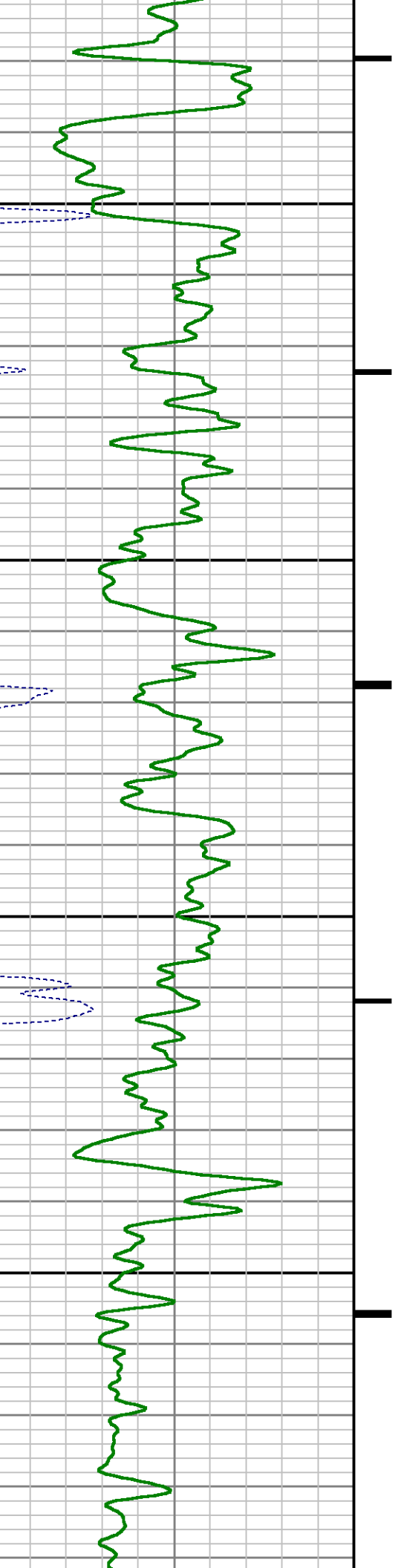


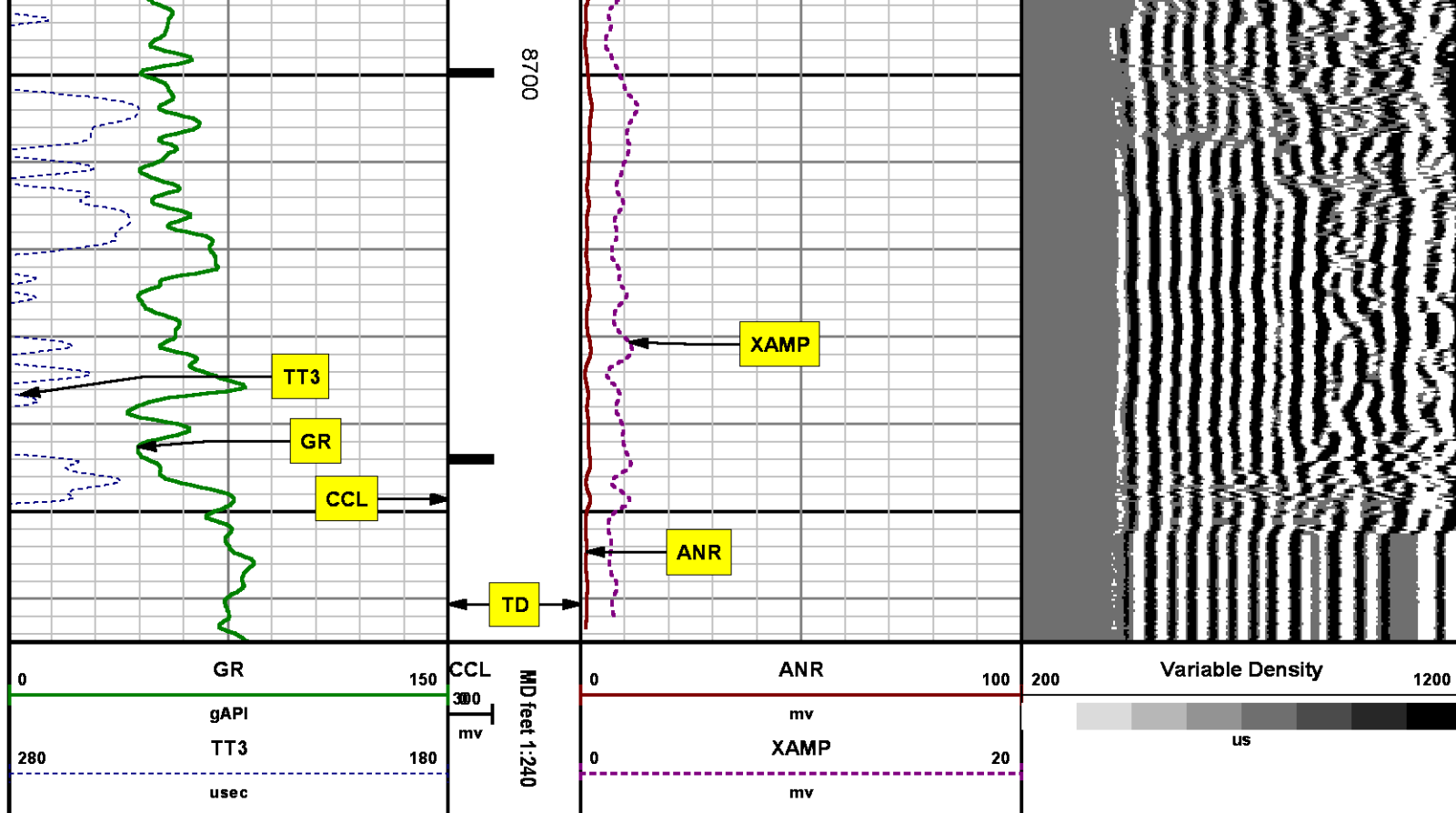




8500

8600





SECONDARY PRESENTATION O PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	u sec	31.849	96.000
RAL	Amp Gate Start Near	195.000	u sec	31.849	96.000
RAL	Amp Gate Start Radial	195.000	u sec	31.849	96.000
RAL	Amp Gate Width Far	25.000	u sec	31.849	96.000
RAL	Amp Gate Width Near	25.000	u sec	31.849	96.000
RAL	Amp Gate Width Radial	25.000	u sec	31.849	96.000
RAL	casing od	4.500	inches	31.849	96.000
RAL	casing wt	11.600	lbm/ft	31.849	96.000
RAL	FB Start Far	291.900	u sec	31.849	96.000
RAL	FB Start Near	180.000	u sec	31.849	96.000
RAL	FB Start Radial	180.000	u sec	31.849	96.000
RAL	FB Thresh Far	10.000	mv	31.849	96.000
RAL	FB Thresh Near	4.000	mv	31.849	96.000

RAL	FB Thresh Near	4.000	mv	31.849	96.000
RAL	FB Thresh Radial	4.000	mv	31.849	96.000
RAL	Fluid Travel Time	200.000	usec/ft	31.849	96.000
RAL	Amp Gate Start Far	305.000	usec	96.000	6006.000
RAL	Amp Gate Start Near	195.000	usec	96.000	6006.000
RAL	Amp Gate Start Radial	195.000	usec	96.000	6006.000
RAL	Amp Gate Width Far	25.000	usec	96.000	6006.000
RAL	Amp Gate Width Near	25.000	usec	96.000	6006.000
RAL	Amp Gate Width Radial	25.000	usec	96.000	6006.000
RAL	casing od	4.500	inches	96.000	6006.000
RAL	casing wt	11.600	lbm/ft	96.000	6006.000
RAL	FB Start Far	291.900	usec	96.000	6006.000
RAL	FB Start Near	180.000	usec	96.000	6006.000
RAL	FB Start Radial	180.000	usec	96.000	6006.000
RAL	FB Thresh Far	10.000	mv	96.000	6006.000
RAL	FB Thresh Near	4.000	mv	96.000	6006.000
RAL	FB Thresh Radial	4.000	mv	96.000	6006.000
RAL	Fluid Travel Time	200.000	usec/ft	96.000	6006.000
RAL	Amp Gate Start Far	305.000	usec	6006.000	7326.000
RAL	Amp Gate Start Near	195.000	usec	6006.000	7326.000
RAL	Amp Gate Start Radial	195.000	usec	6006.000	7326.000
RAL	Amp Gate Width Far	25.000	usec	6006.000	7326.000
RAL	Amp Gate Width Near	25.000	usec	6006.000	7326.000
RAL	Amp Gate Width Radial	25.000	usec	6006.000	7326.000
RAL	casing od	4.500	inches	6006.000	7326.000
RAL	casing wt	11.600	lbm/ft	6006.000	7326.000
RAL	FB Start Far	291.900	usec	6006.000	7326.000
RAL	FB Start Near	180.000	usec	6006.000	7326.000
RAL	FB Start Radial	180.000	usec	6006.000	7326.000
RAL	FB Thresh Far	10.000	mv	6006.000	7326.000
RAL	FB Thresh Near	4.000	mv	6006.000	7326.000
RAL	FB Thresh Radial	4.000	mv	6006.000	7326.000
RAL	Fluid Travel Time	200.000	usec/ft	6006.000	7326.000
RAL	Amp Gate Start Far	305.000	usec	7326.000	8256.000
RAL	Amp Gate Start Near	195.000	usec	7326.000	8256.000
RAL	Amp Gate Start Radial	195.000	usec	7326.000	8256.000
RAL	Amp Gate Width Far	25.000	usec	7326.000	8256.000
RAL	Amp Gate Width Near	25.000	usec	7326.000	8256.000
RAL	Amp Gate Width Radial	25.000	usec	7326.000	8256.000
RAL	casing od	4.500	inches	7326.000	8256.000
RAL	casing wt	11.600	lbm/ft	7326.000	8256.000
RAL	FB Start Far	291.900	usec	7326.000	8256.000
RAL	FB Start Near	180.000	usec	7326.000	8256.000
RAL	FB Start Radial	180.000	usec	7326.000	8256.000
RAL	FB Thresh Far	10.000	mv	7326.000	8256.000
RAL	FB Thresh Near	4.000	mv	7326.000	8256.000
RAL	FB Thresh Radial	4.000	mv	7326.000	8256.000
RAL	Fluid Travel Time	200.000	usec/ft	7326.000	8256.000
RAL	Amp Gate Start Far	305.000	usec	8256.000	8776.000
RAL	Amp Gate Start Near	195.000	usec	8256.000	8776.000
RAL	Amp Gate Start Radial	195.000	usec	8256.000	8776.000
RAL	Amp Gate Width Far	25.000	usec	8256.000	8776.000
RAL	Amp Gate Width Near	25.000	usec	8256.000	8776.000
RAL	Amp Gate Width Radial	25.000	usec	8256.000	8776.000
RAL	casing od	4.500	inches	8256.000	8776.000
RAL	casing wt	11.600	lbm/ft	8256.000	8776.000

RAL	FB Start Far	291.900	usec	8256.000	8776.000
RAL	FB Start Near	180.000	usec	8256.000	8776.000
RAL	FB Start Radial	180.000	usec	8256.000	8776.000
RAL	FB Thresh Far	10.000	mv	8256.000	8776.000
RAL	FB Thresh Near	4.000	mv	8256.000	8776.000
RAL	FB Thresh Radial	4.000	mv	8256.000	8776.000
RAL	Fluid Travel Time	200.000	usec/ft	8256.000	8776.000

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

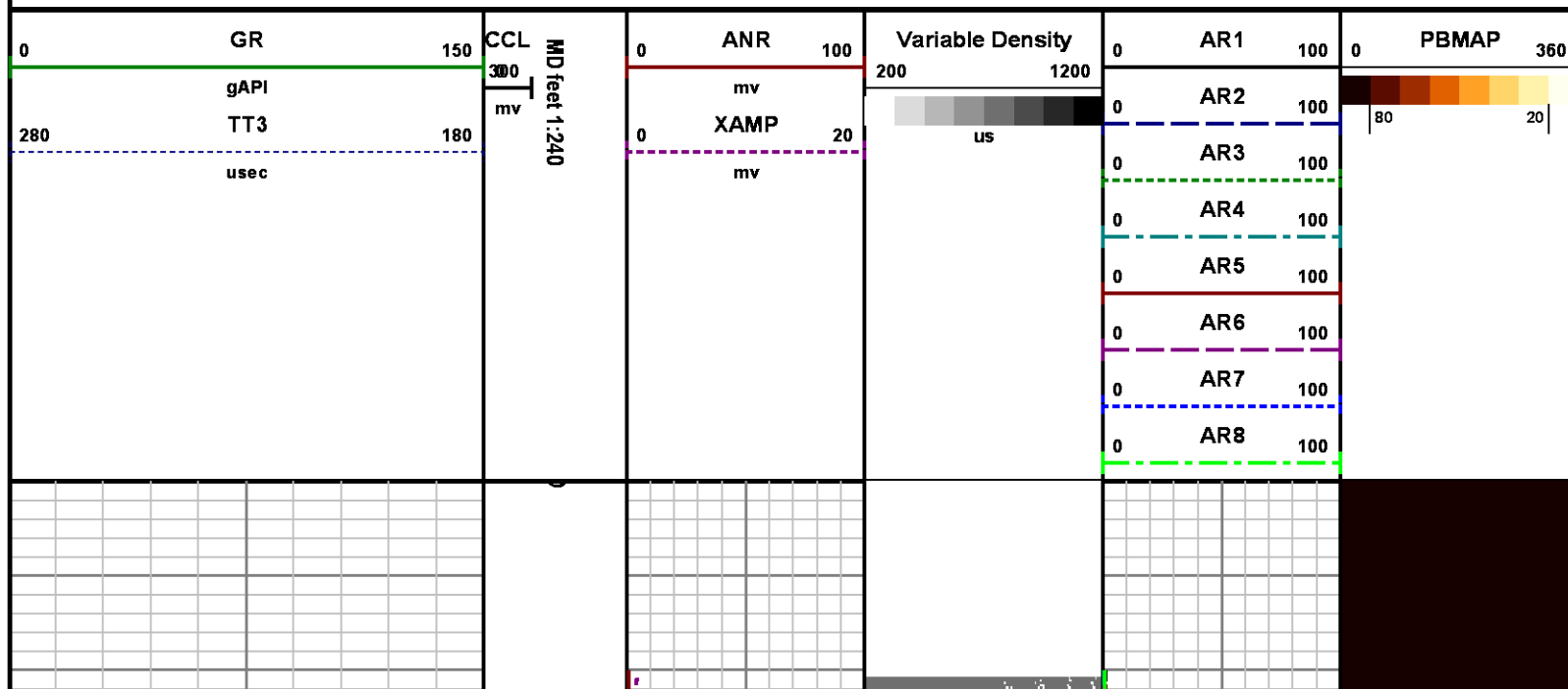
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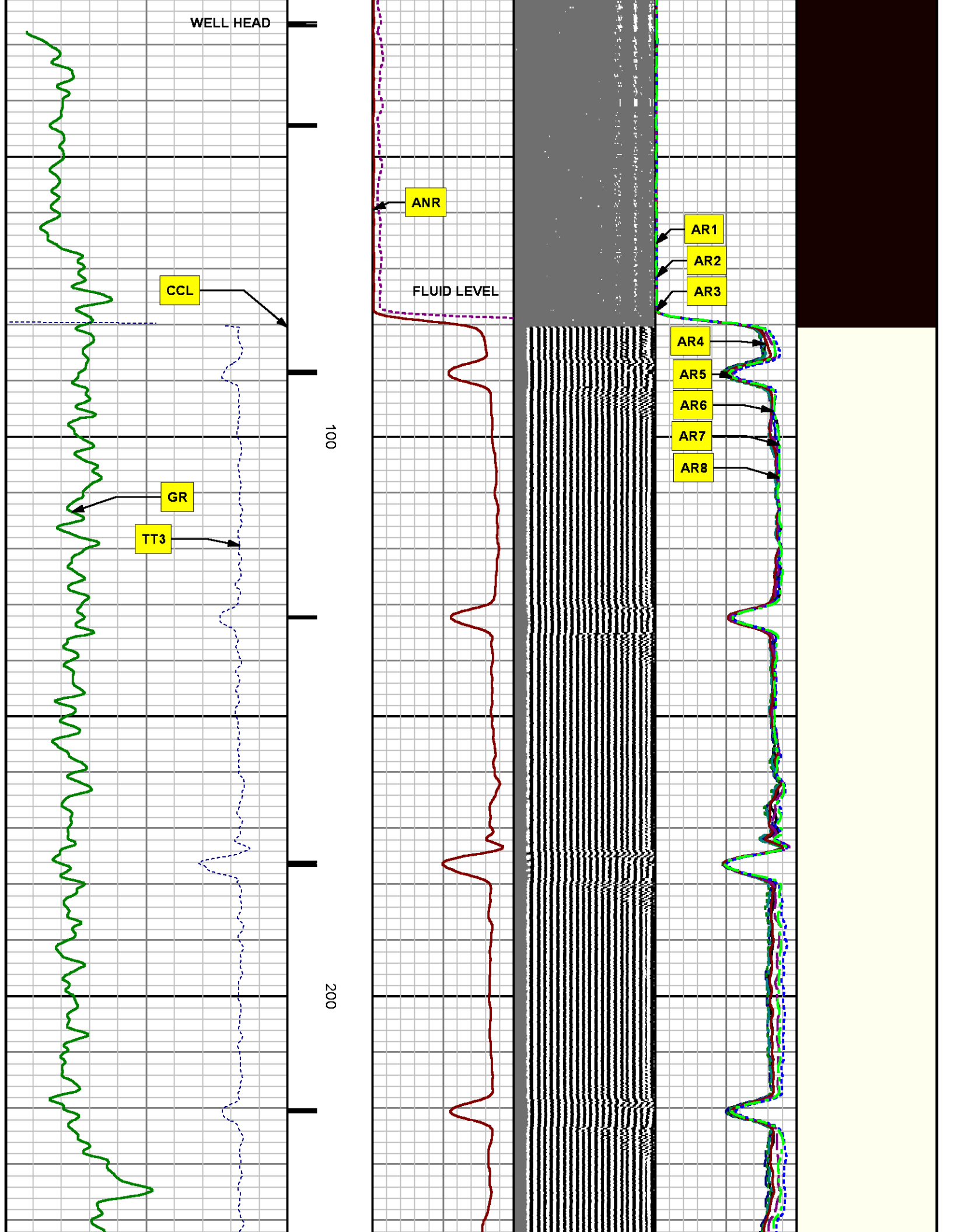
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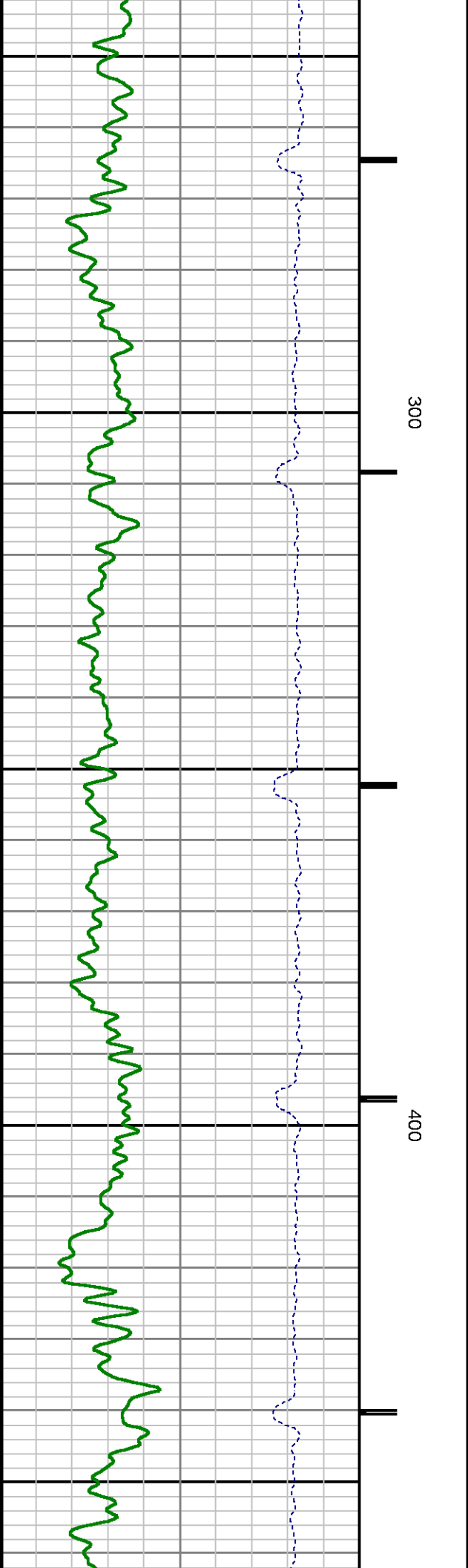
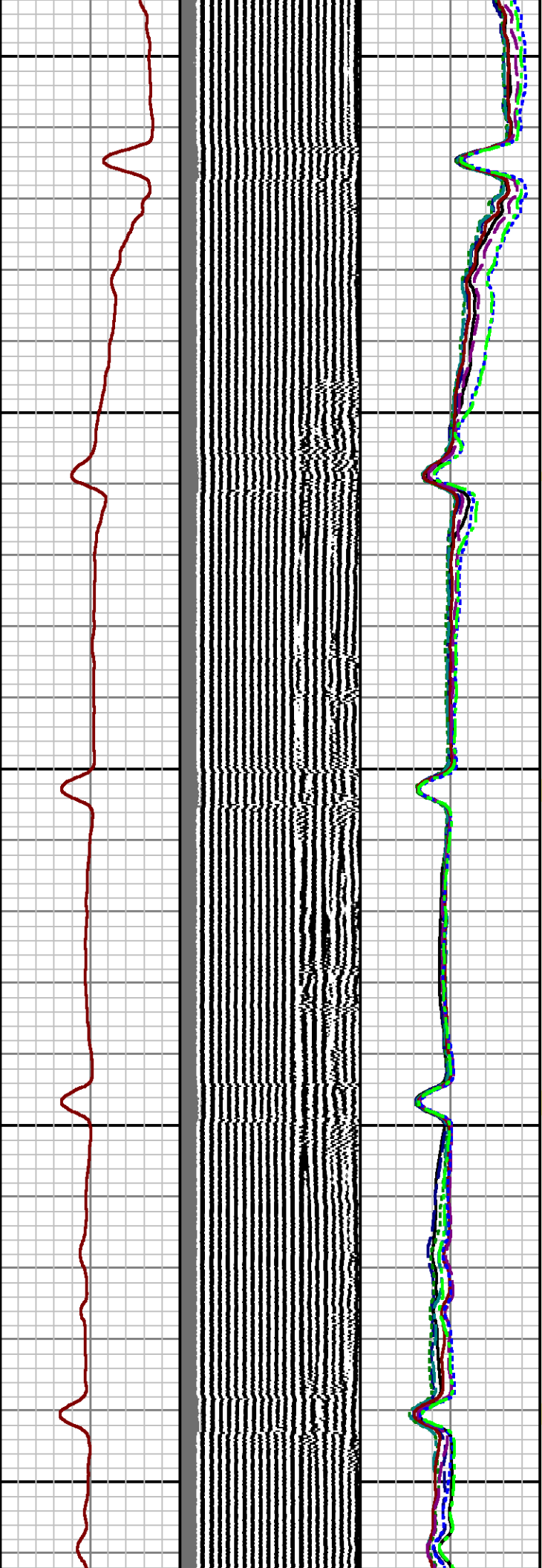
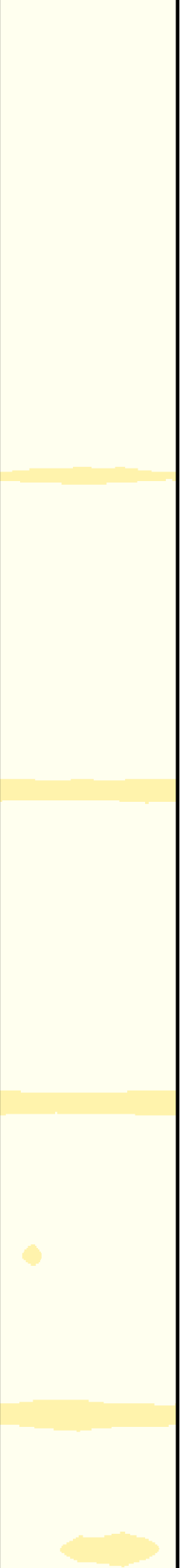
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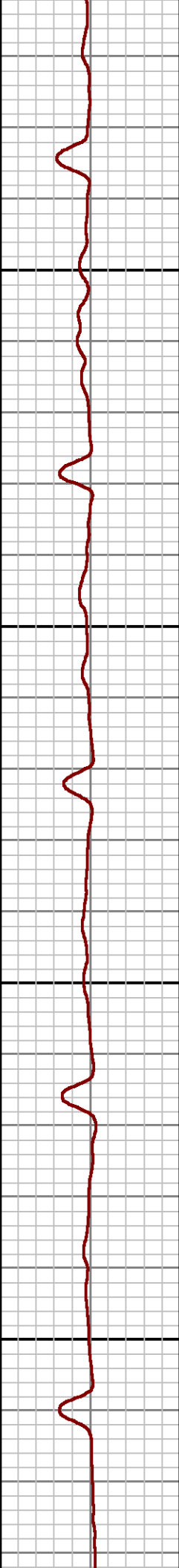
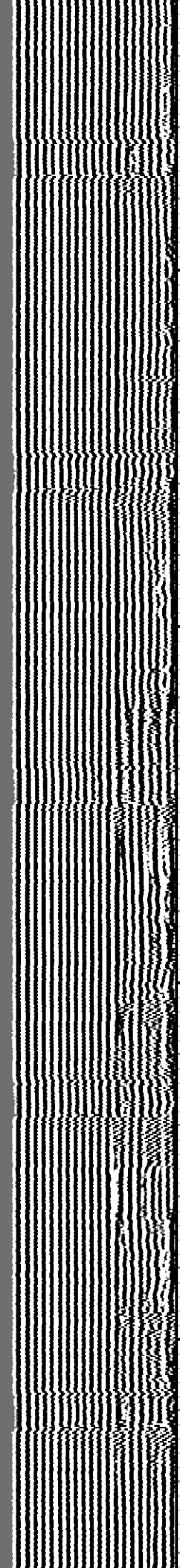
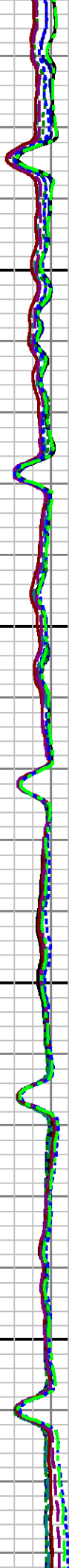
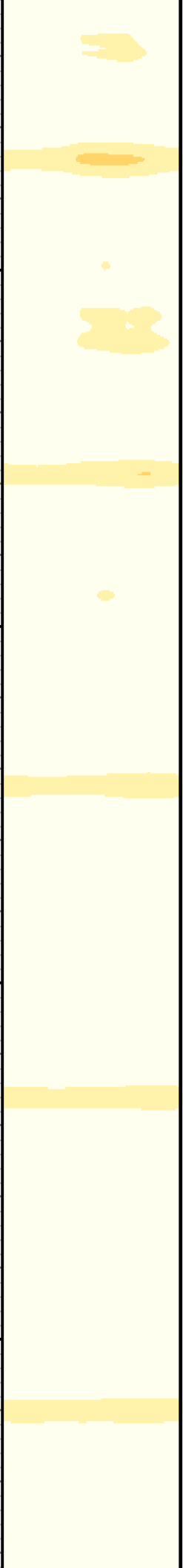
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Created : 10/17/2013 6:57:24 PM



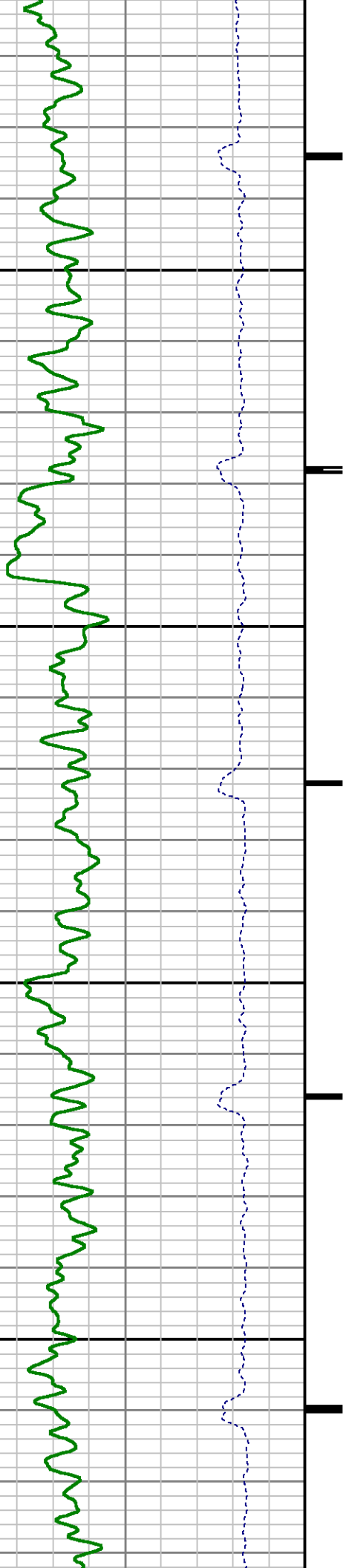


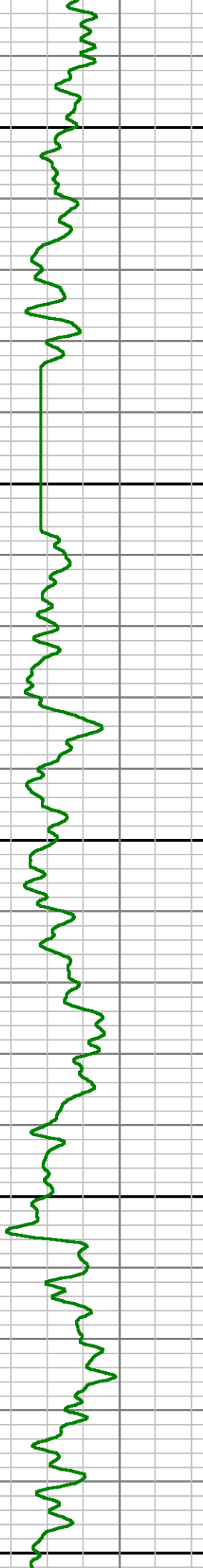
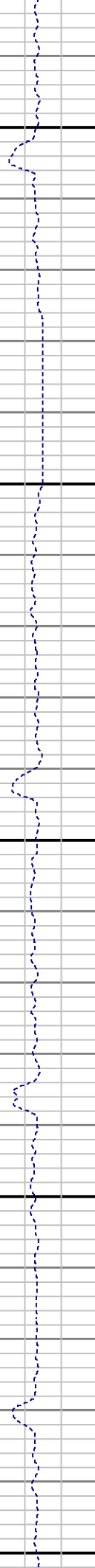
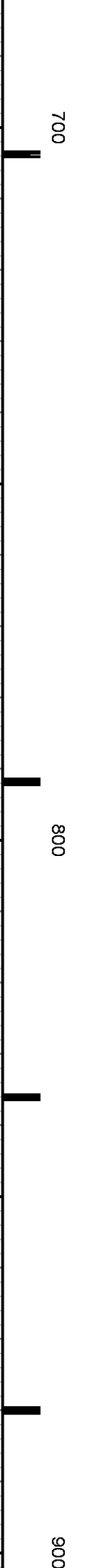
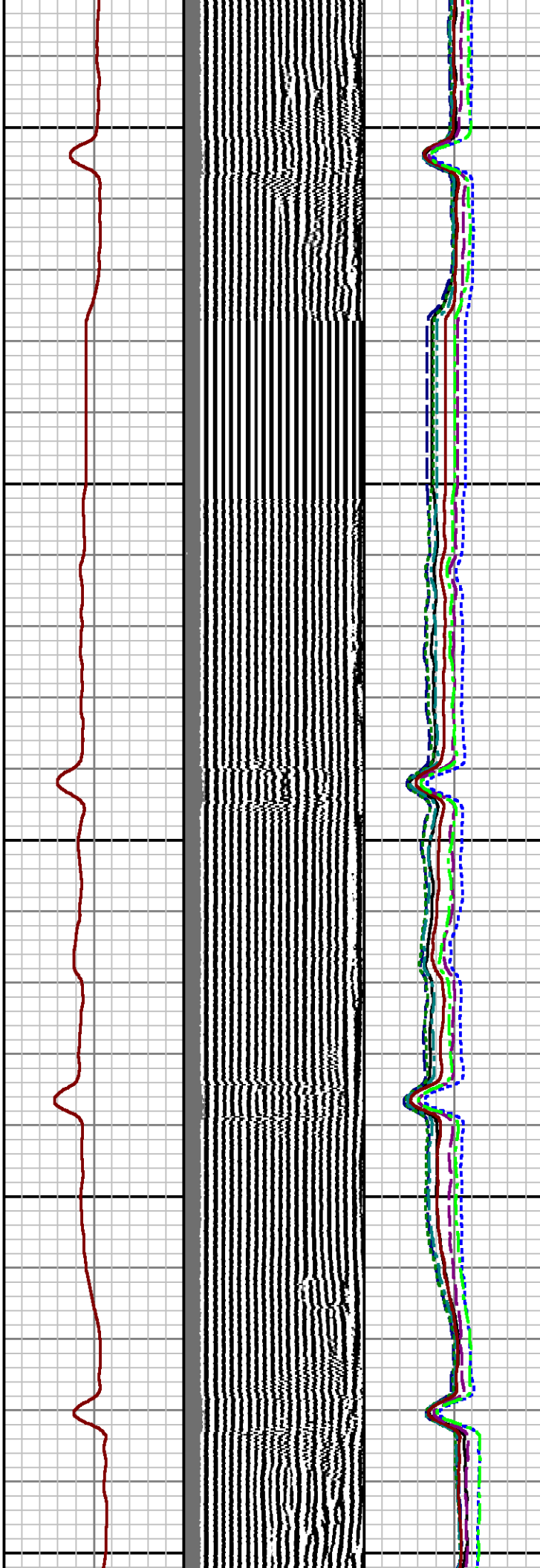
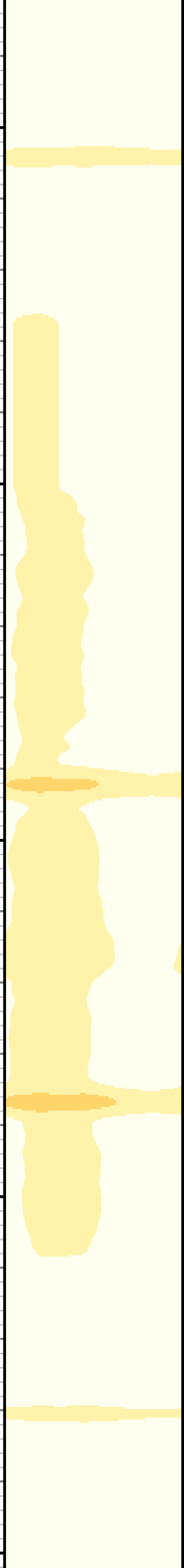


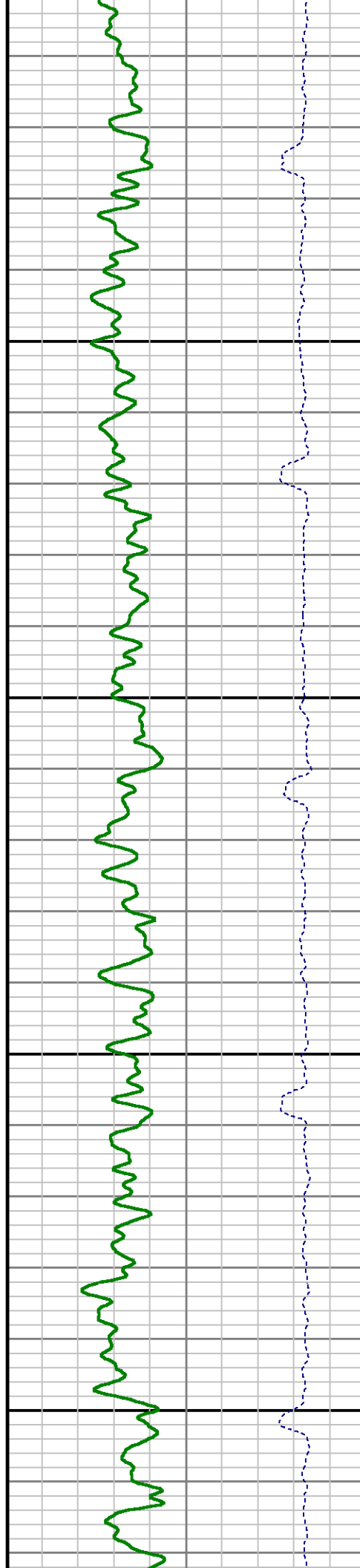
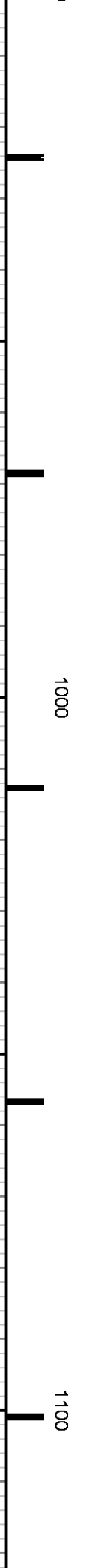
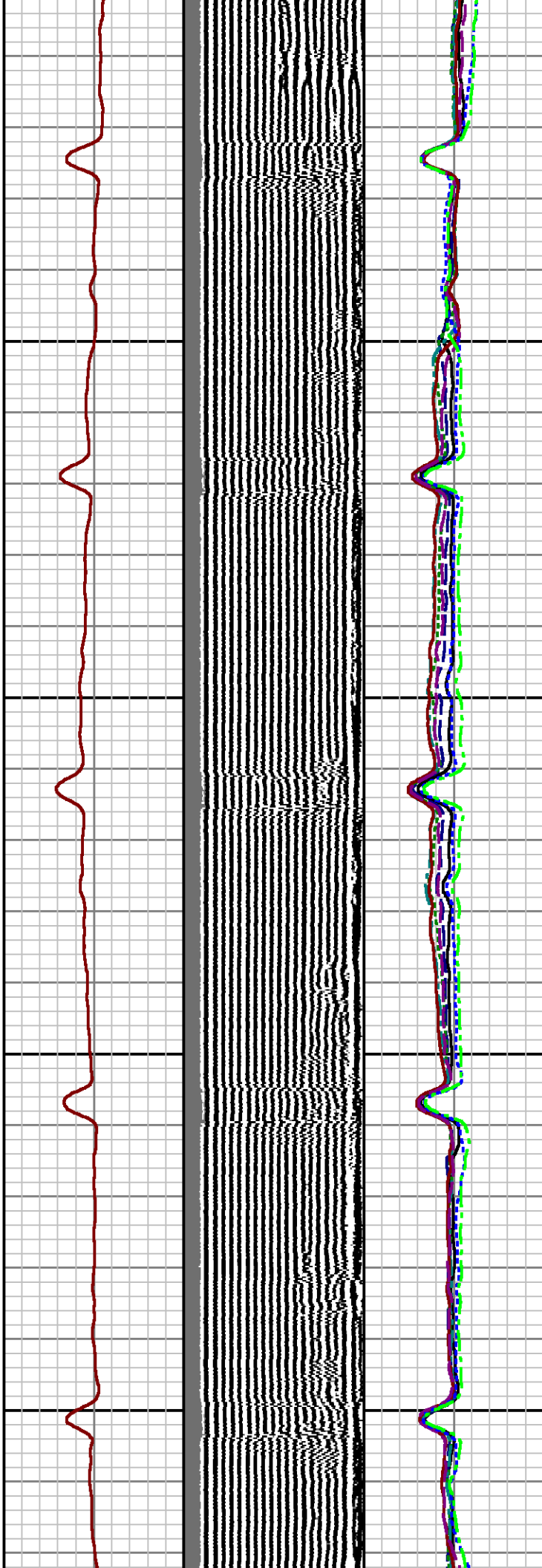
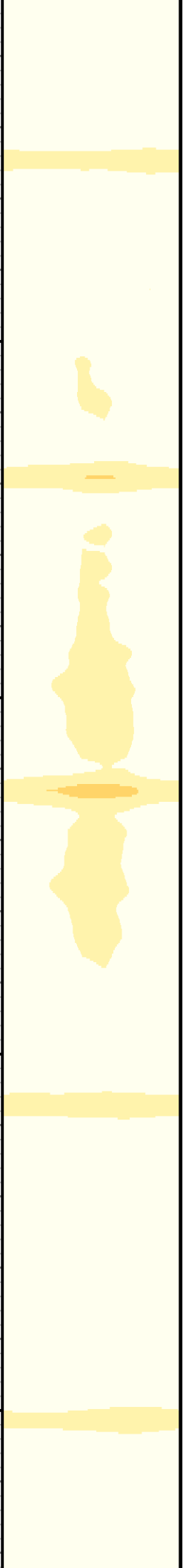


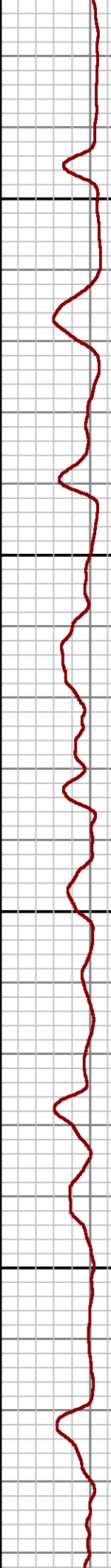
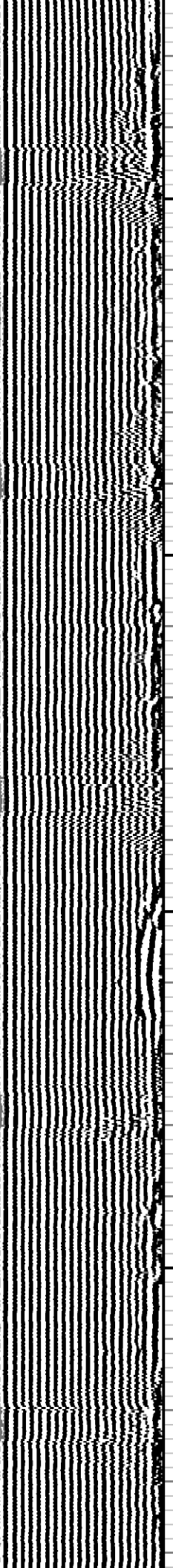
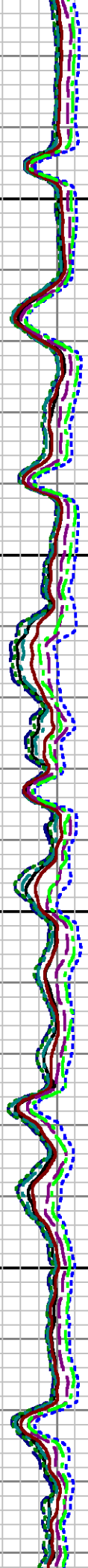
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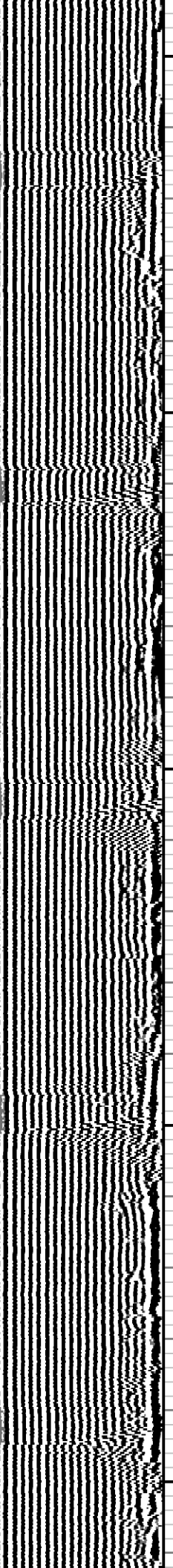
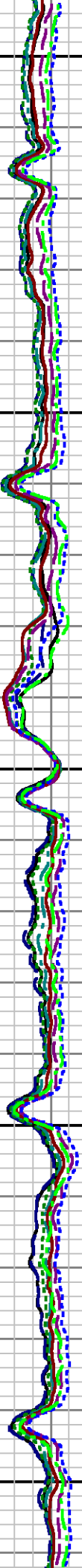
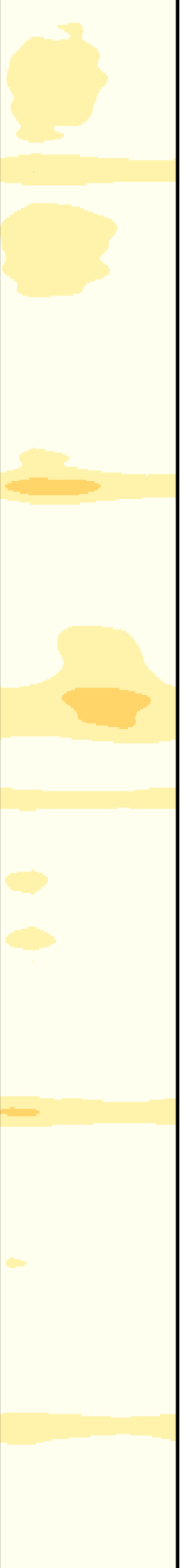






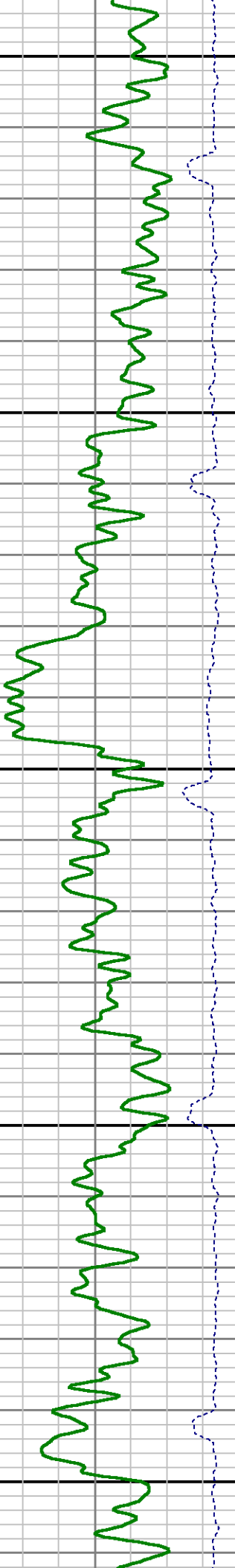
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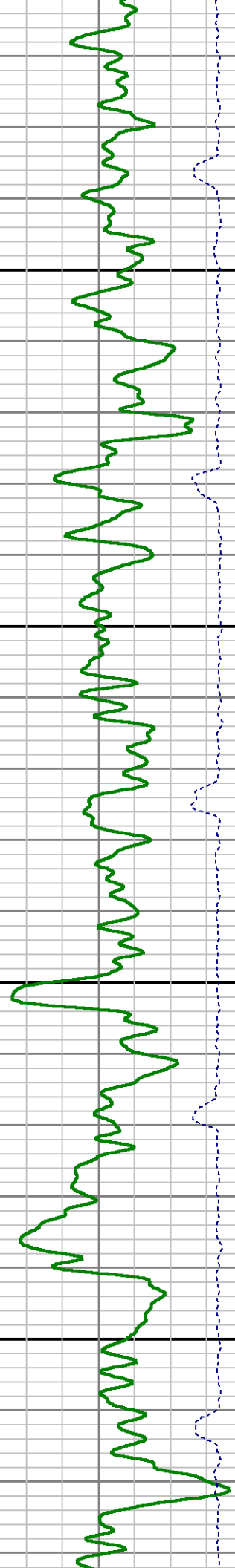
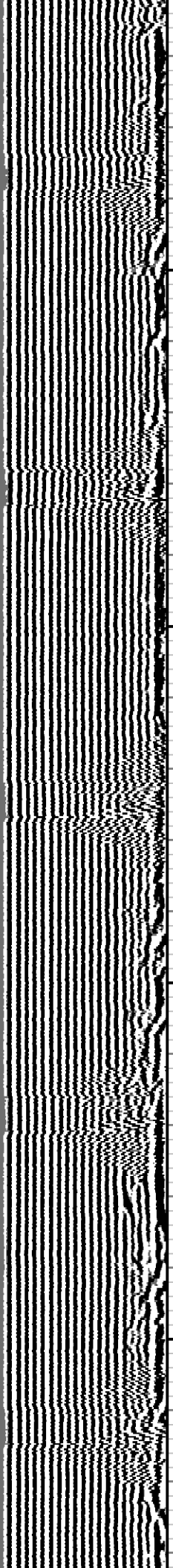
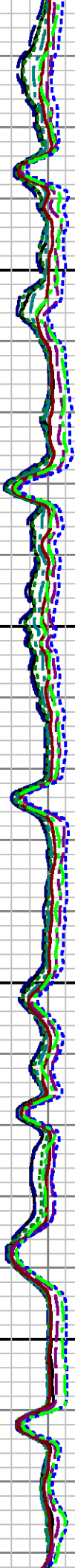
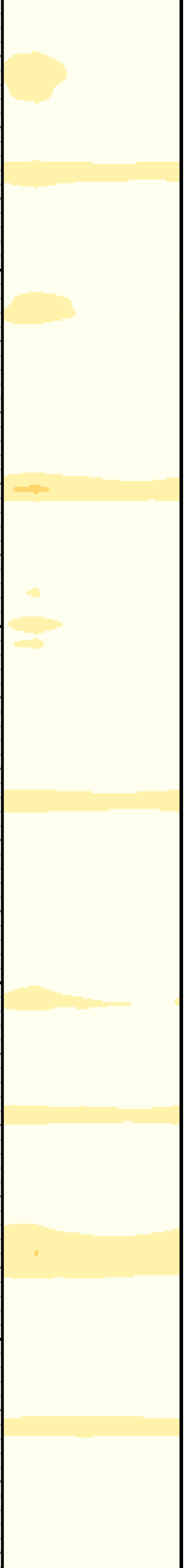
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1400

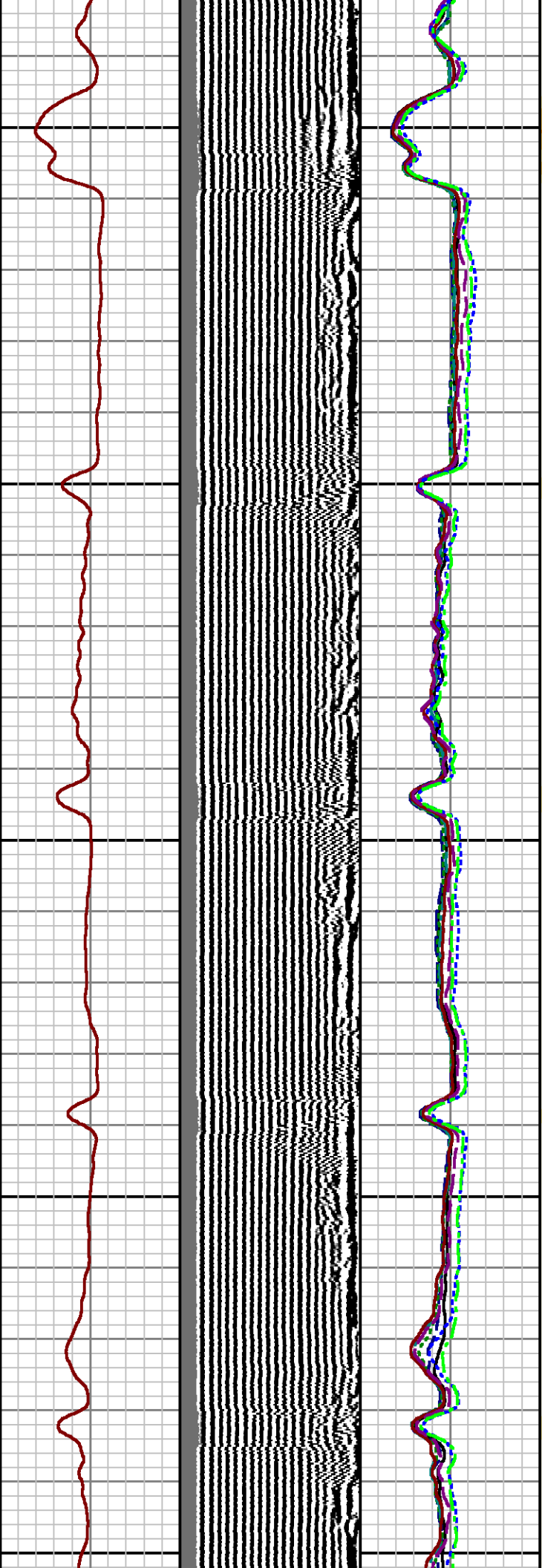
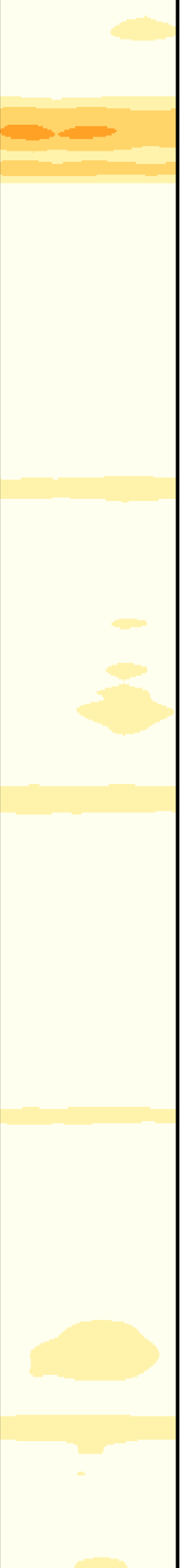
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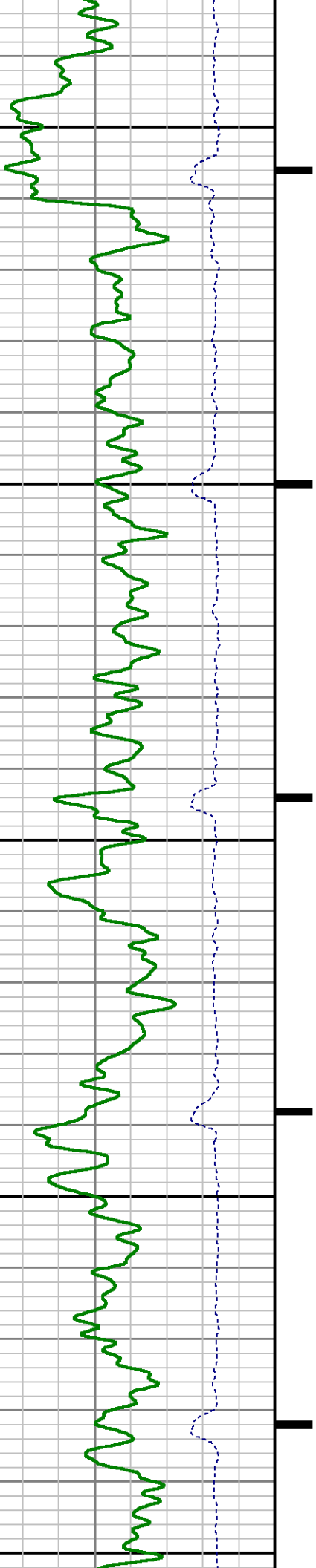
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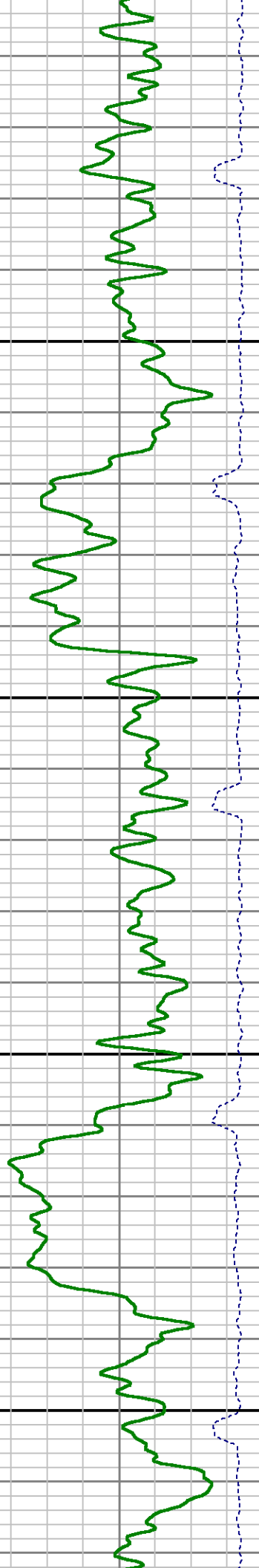
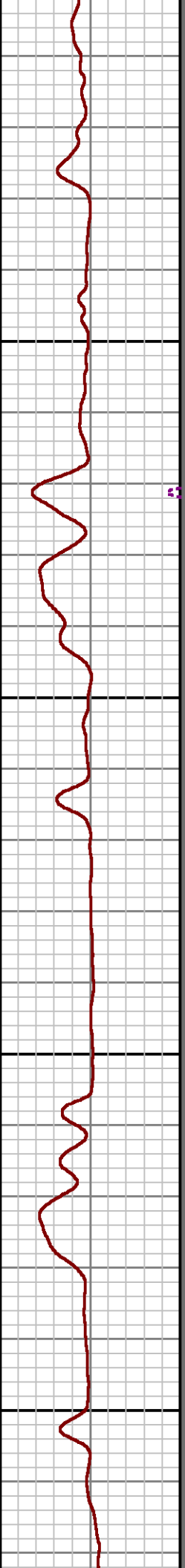
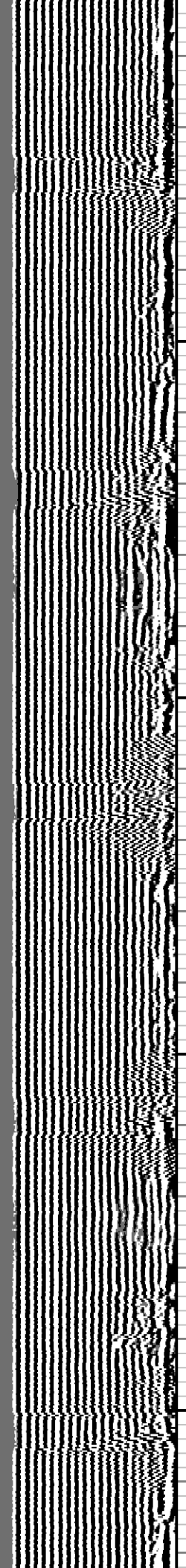
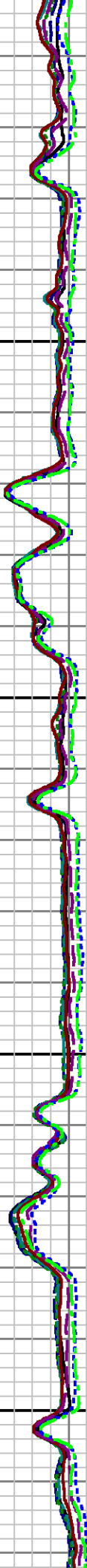
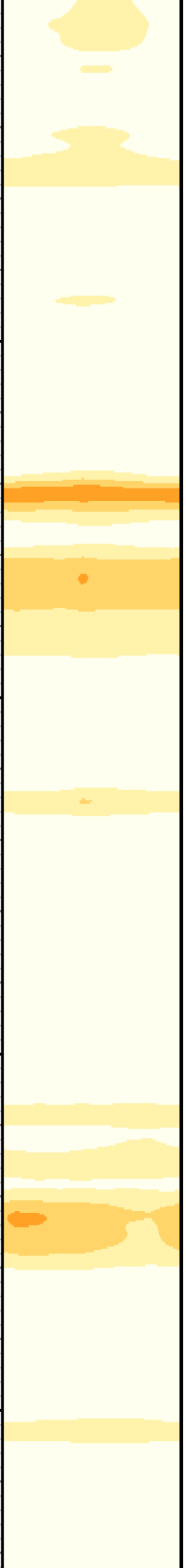


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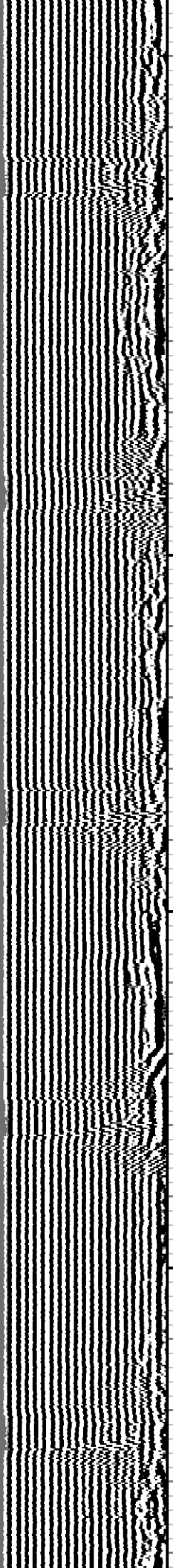
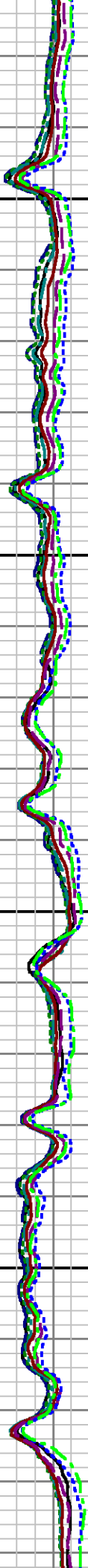
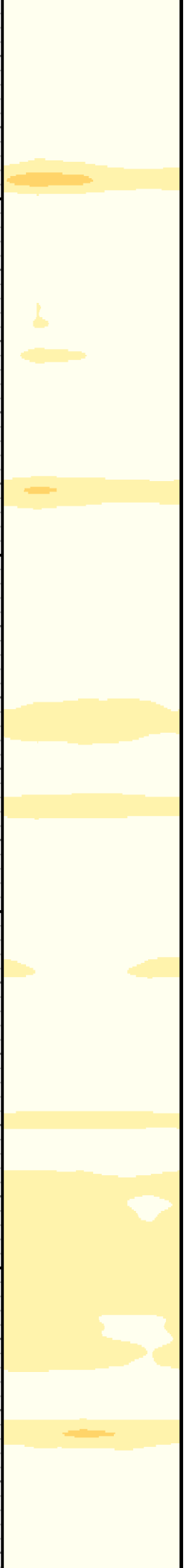
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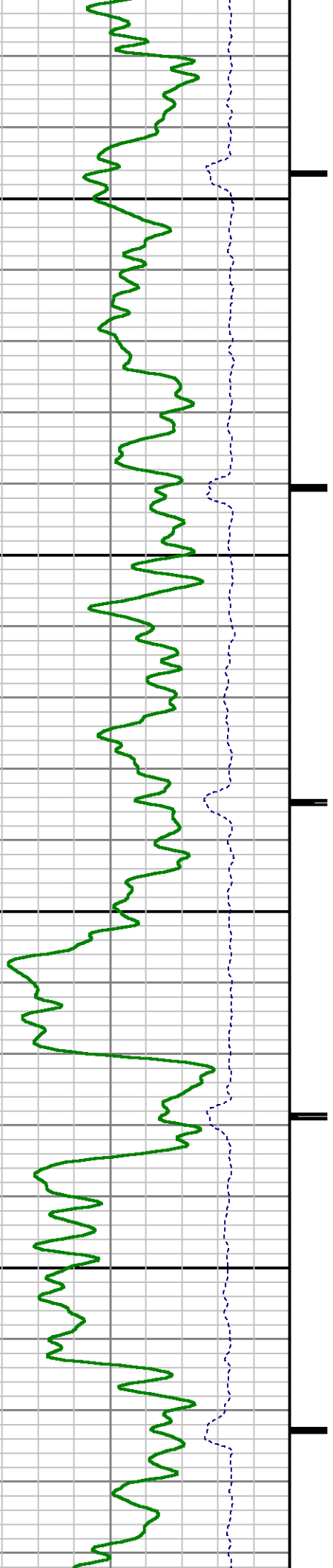
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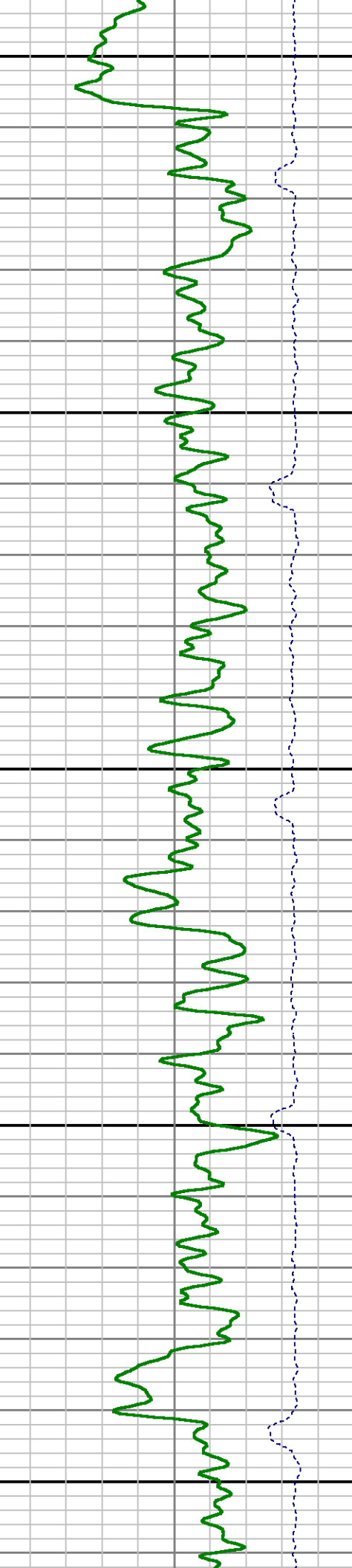
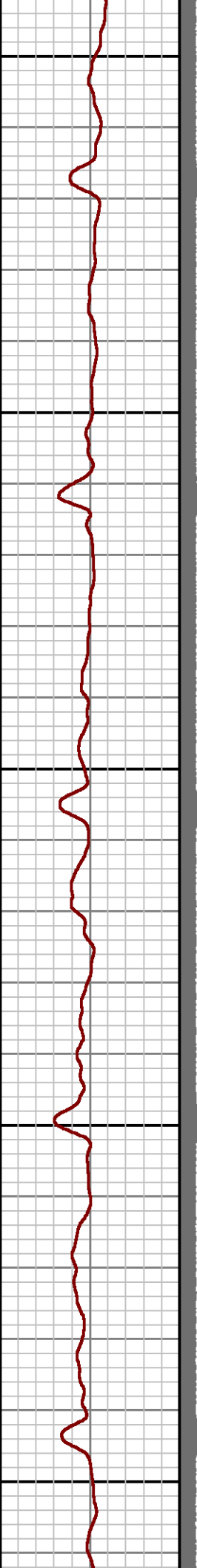
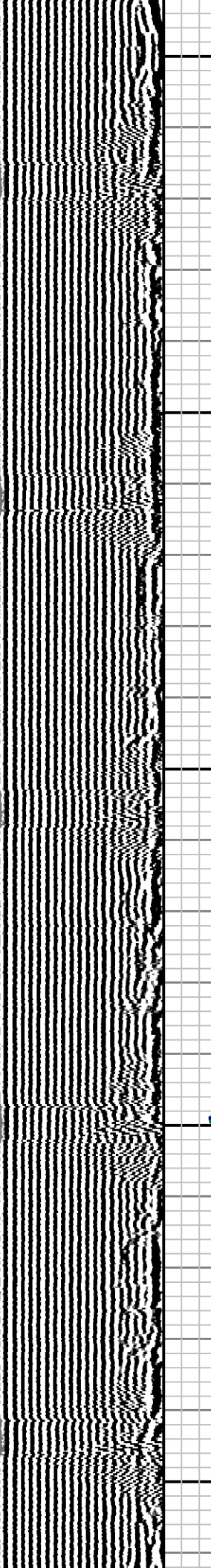
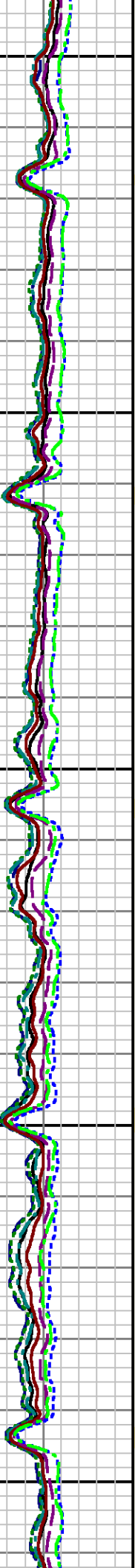
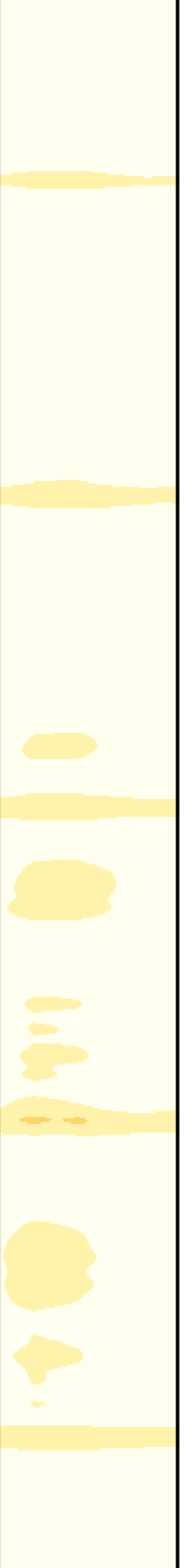
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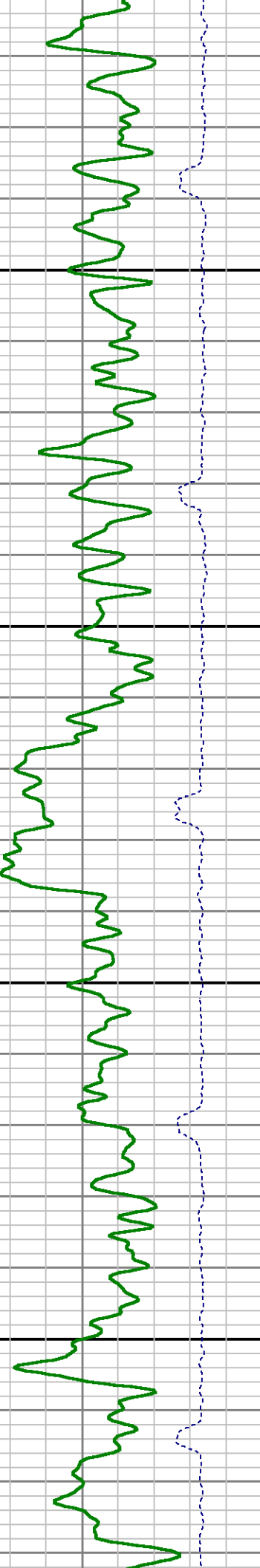
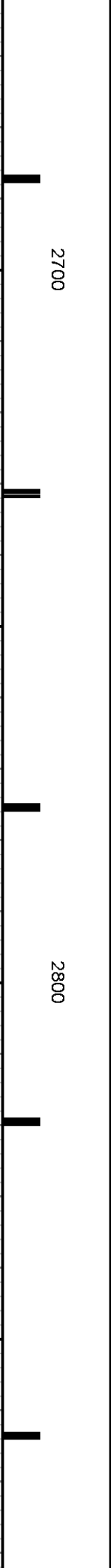
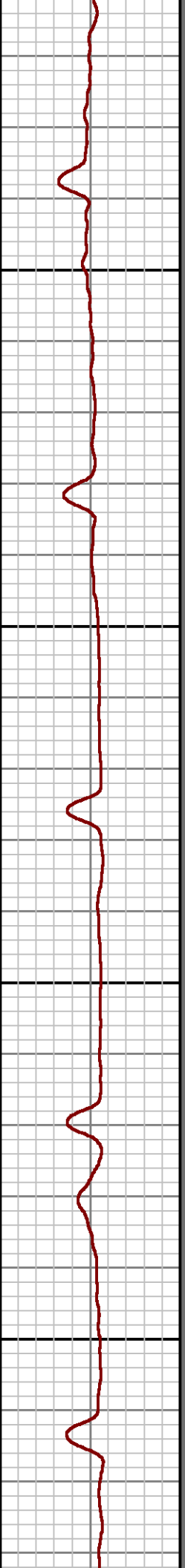
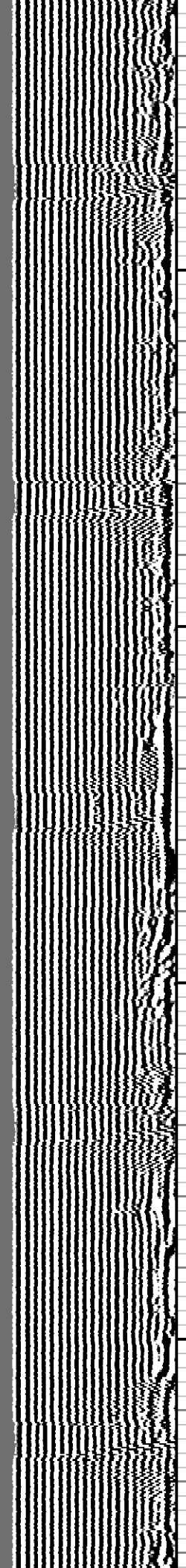
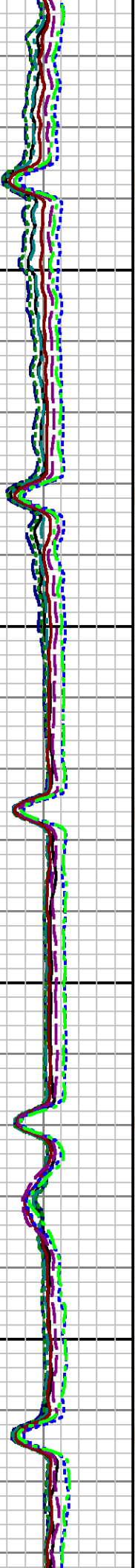
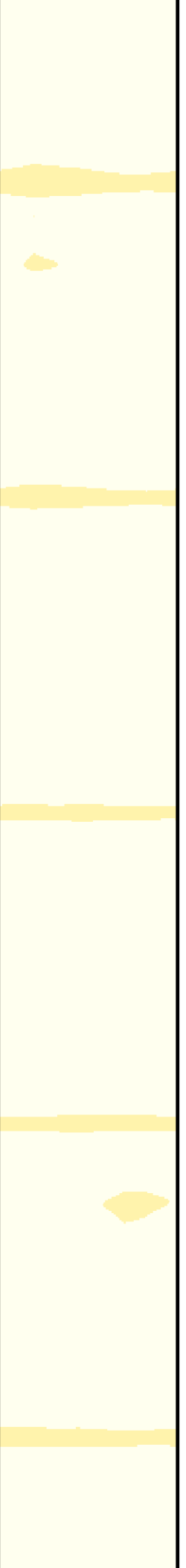


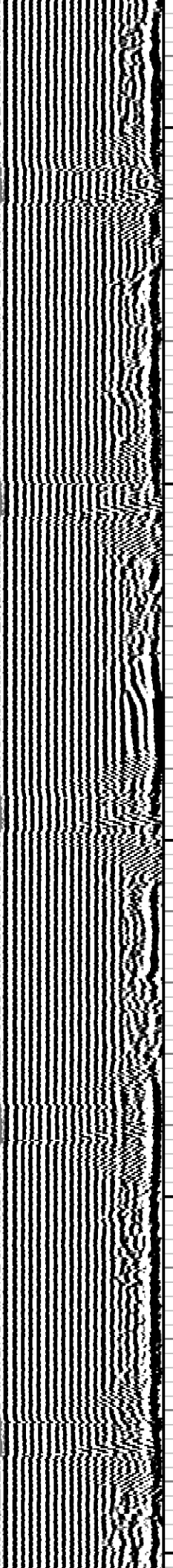
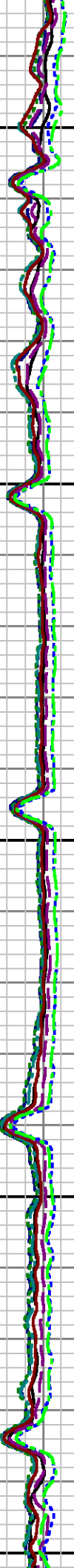
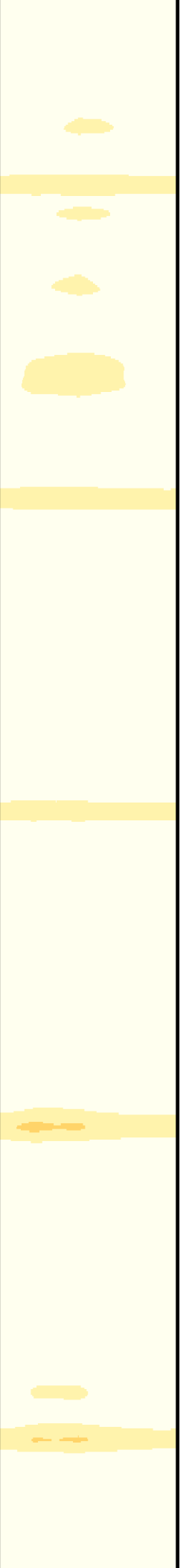
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2400





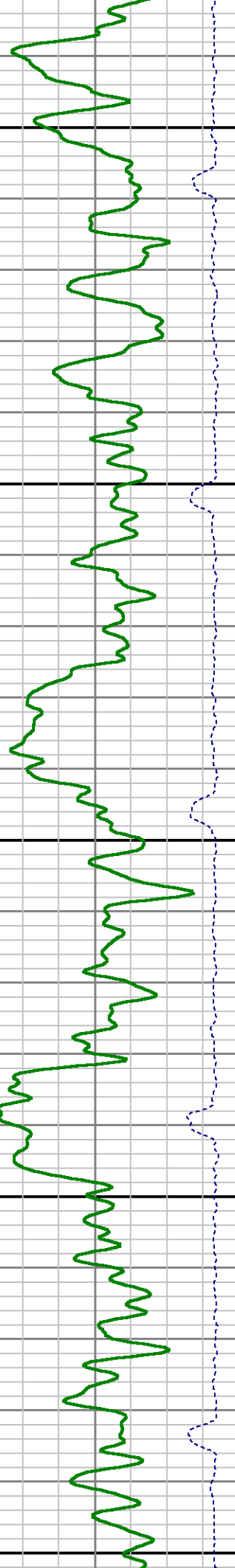


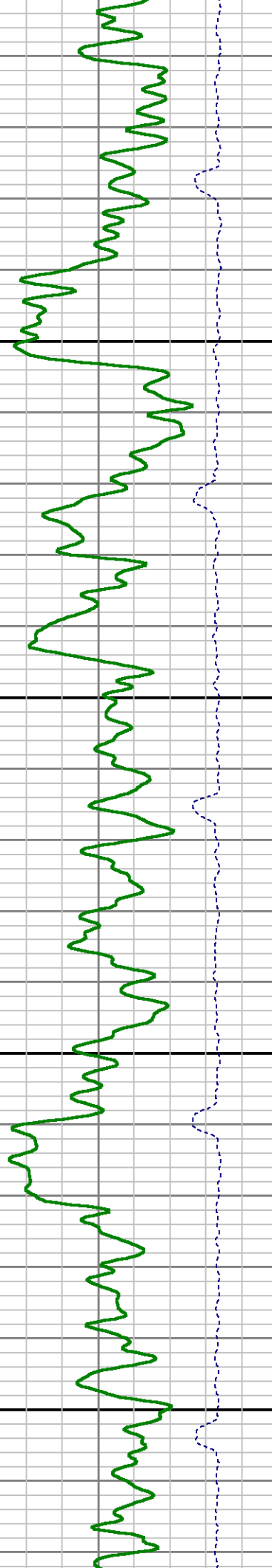
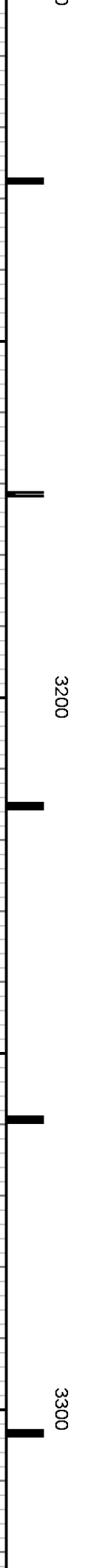
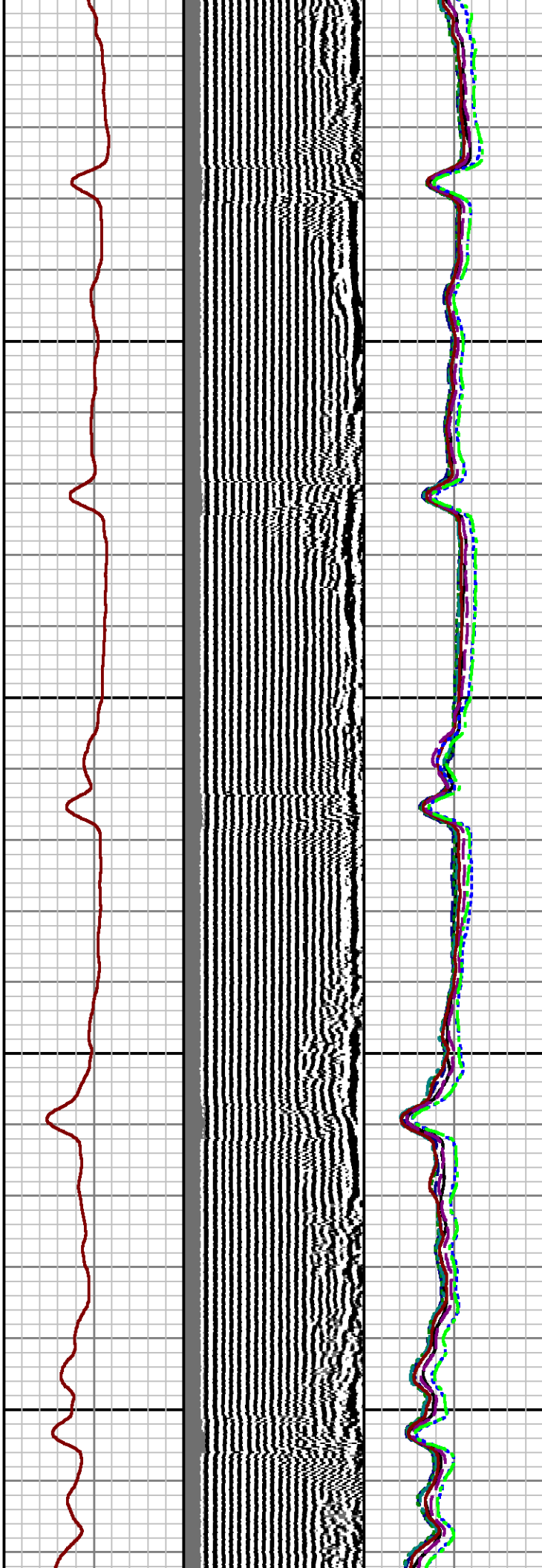
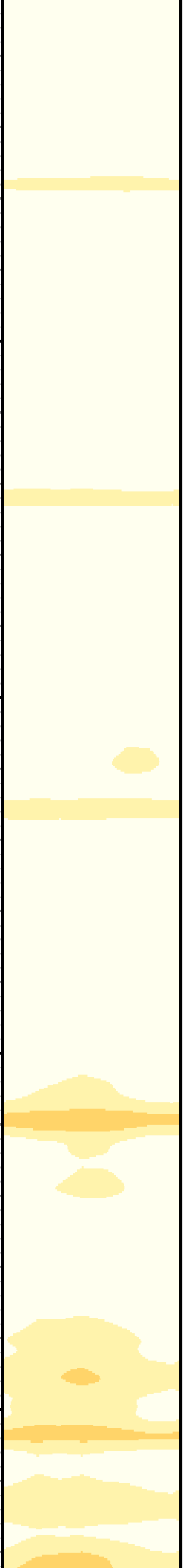


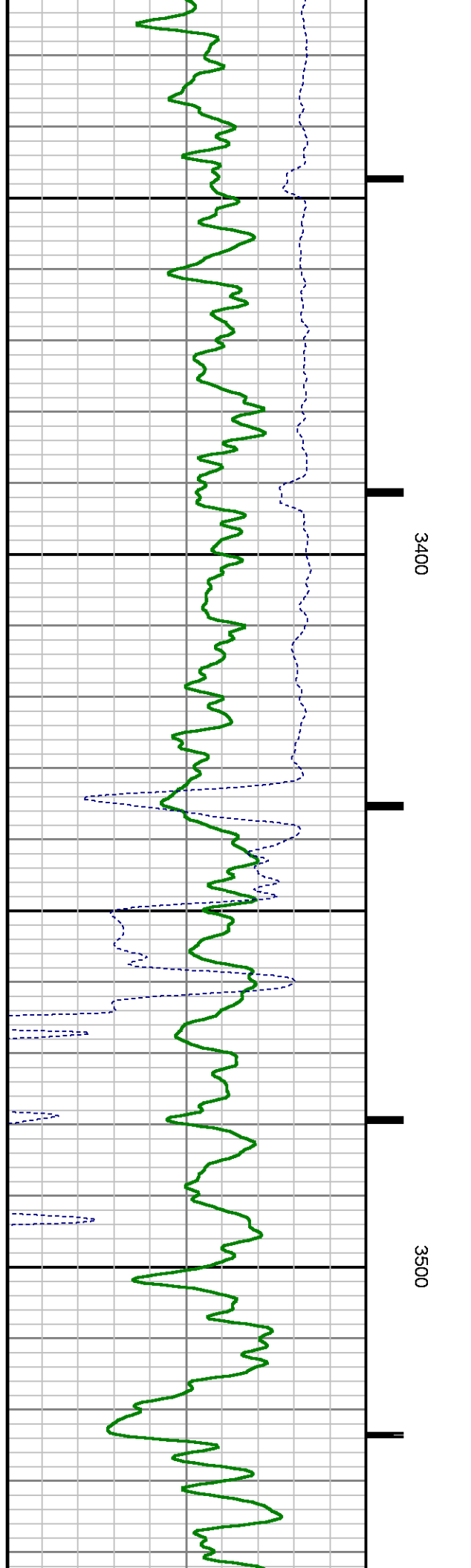
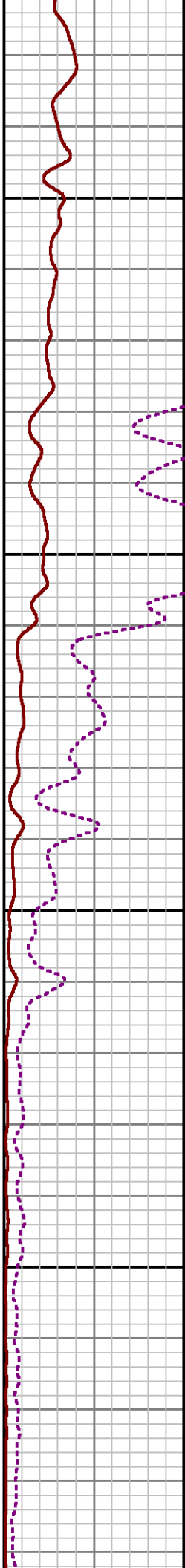
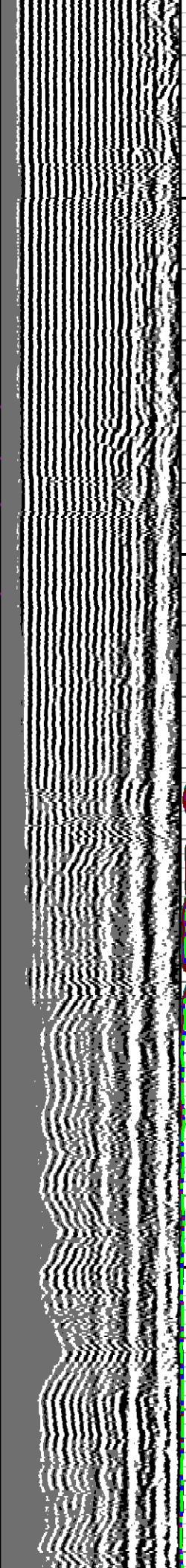
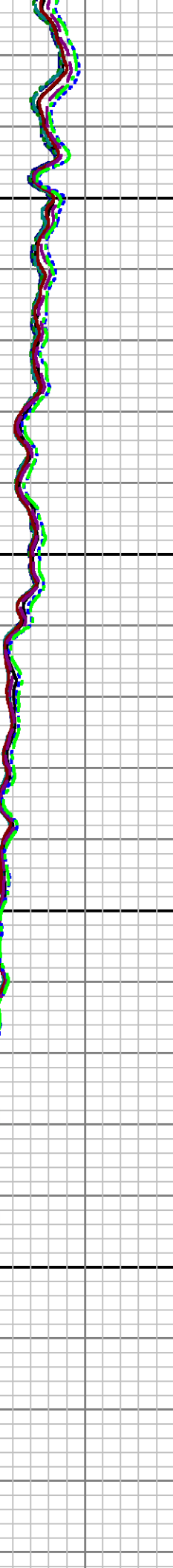
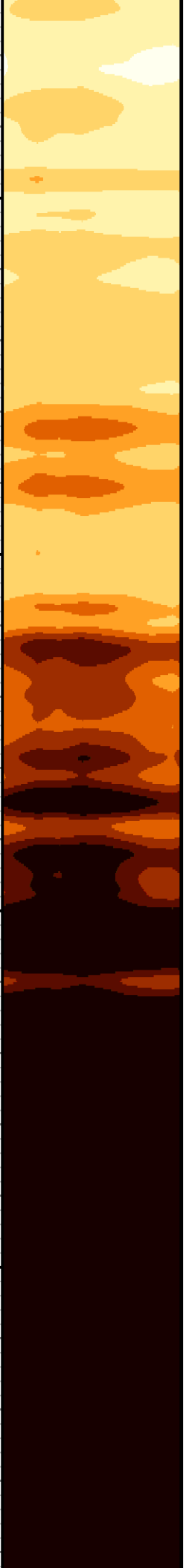
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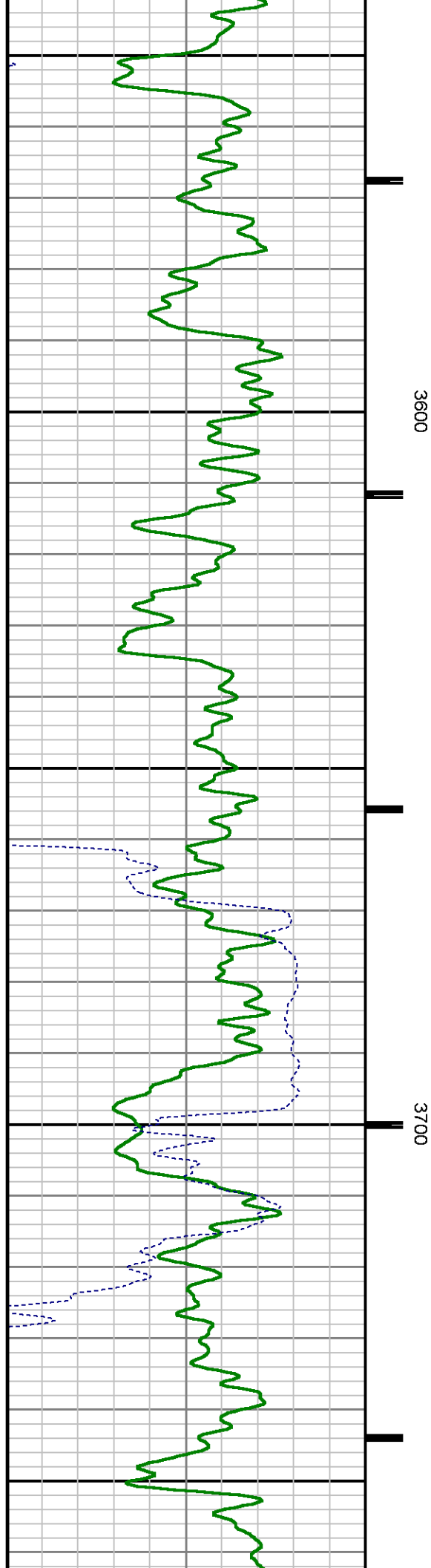
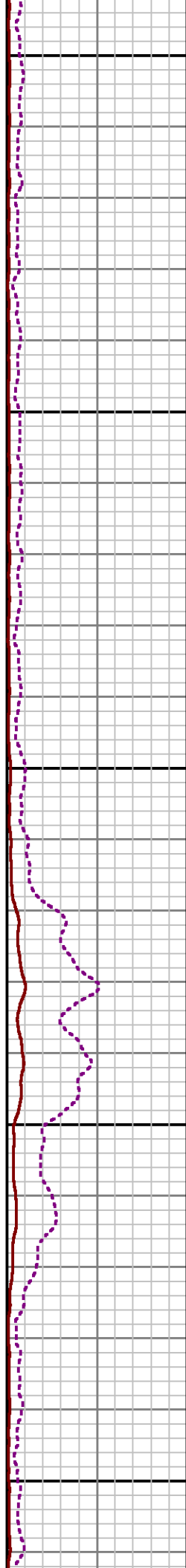
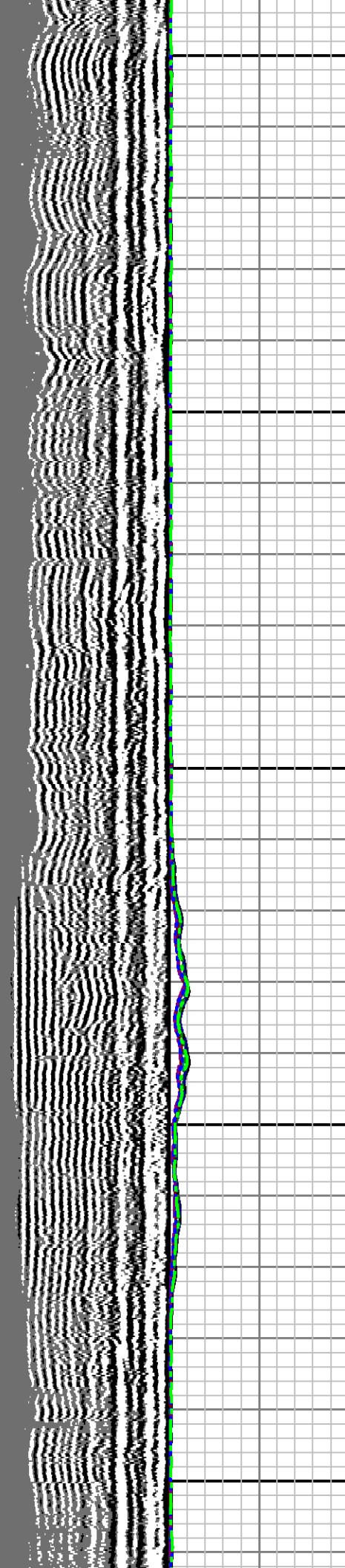
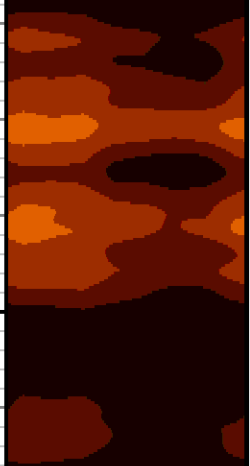
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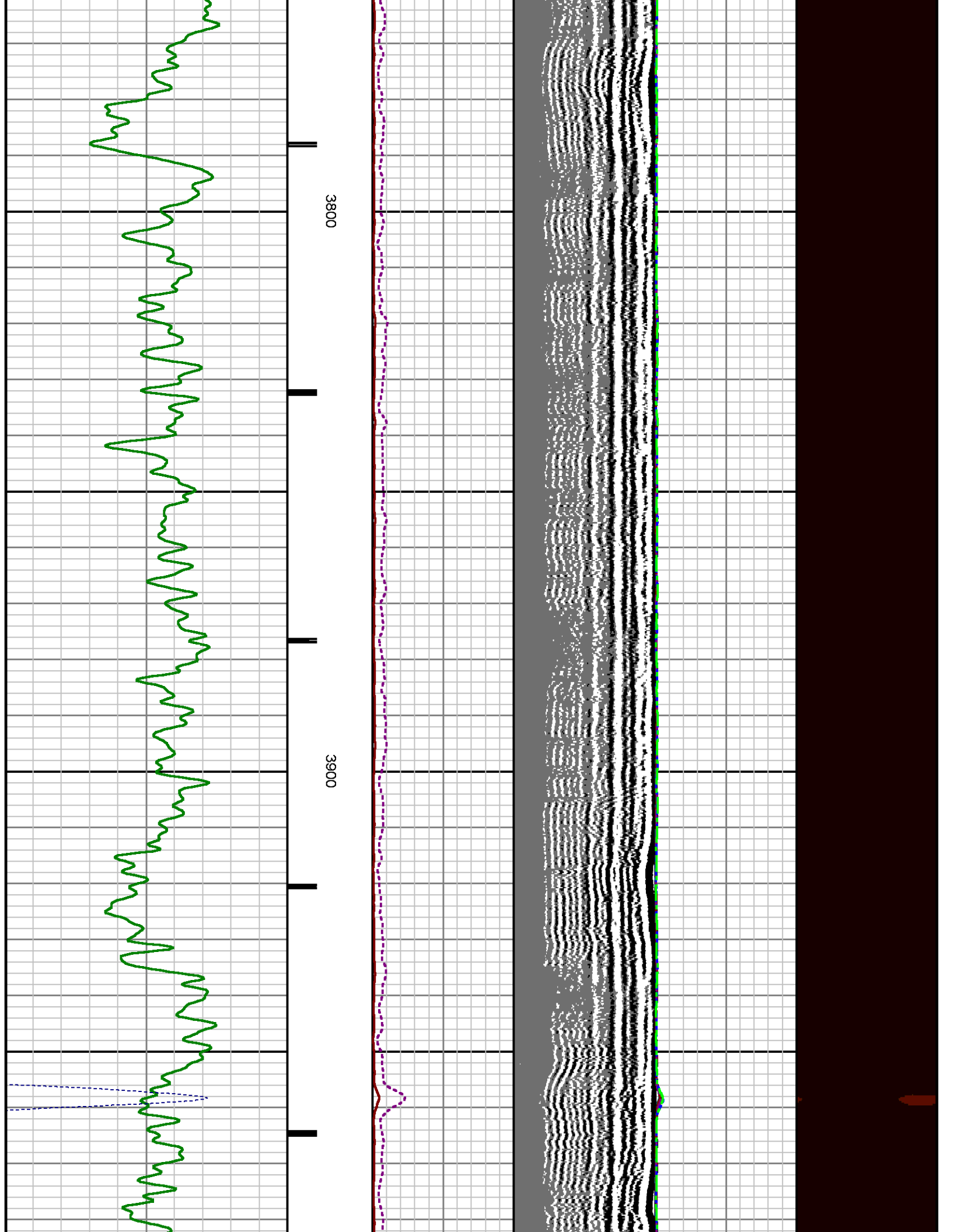
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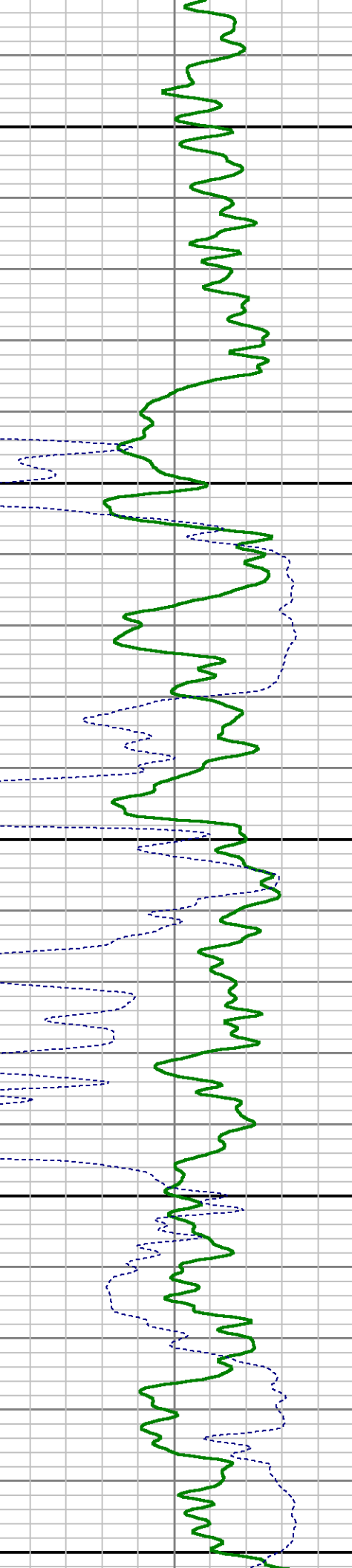
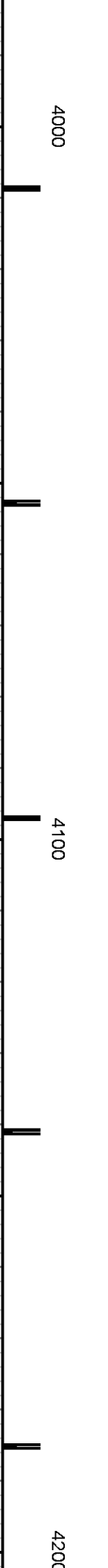
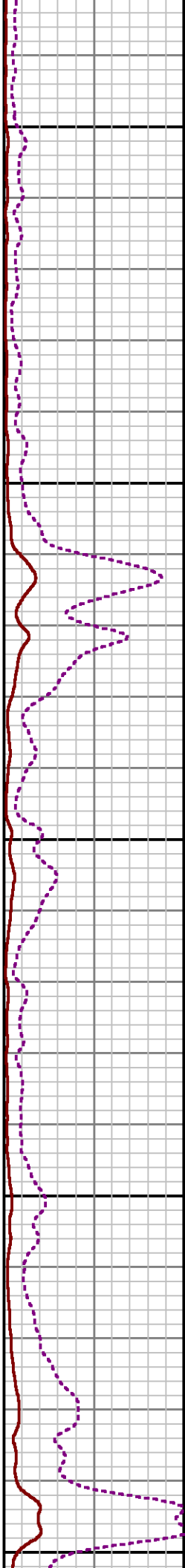
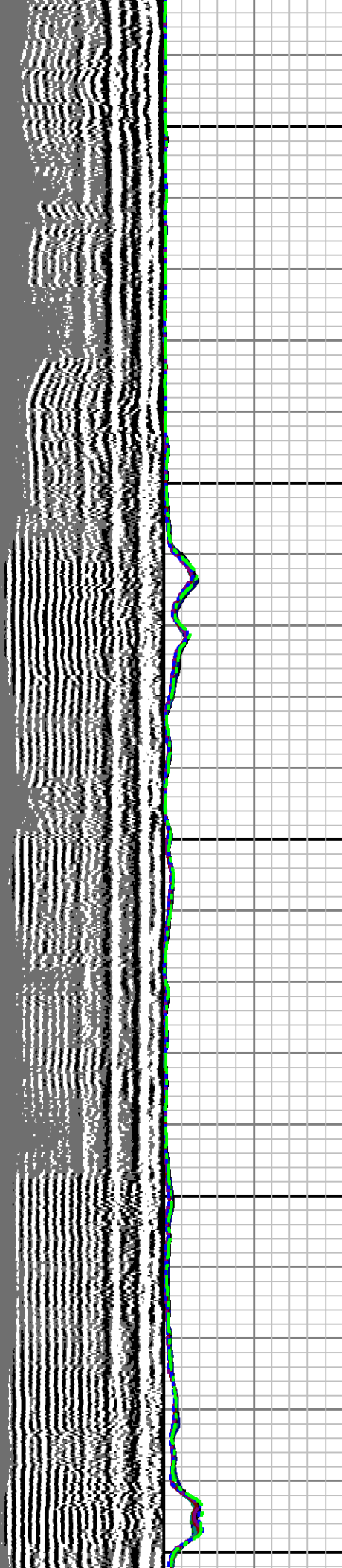


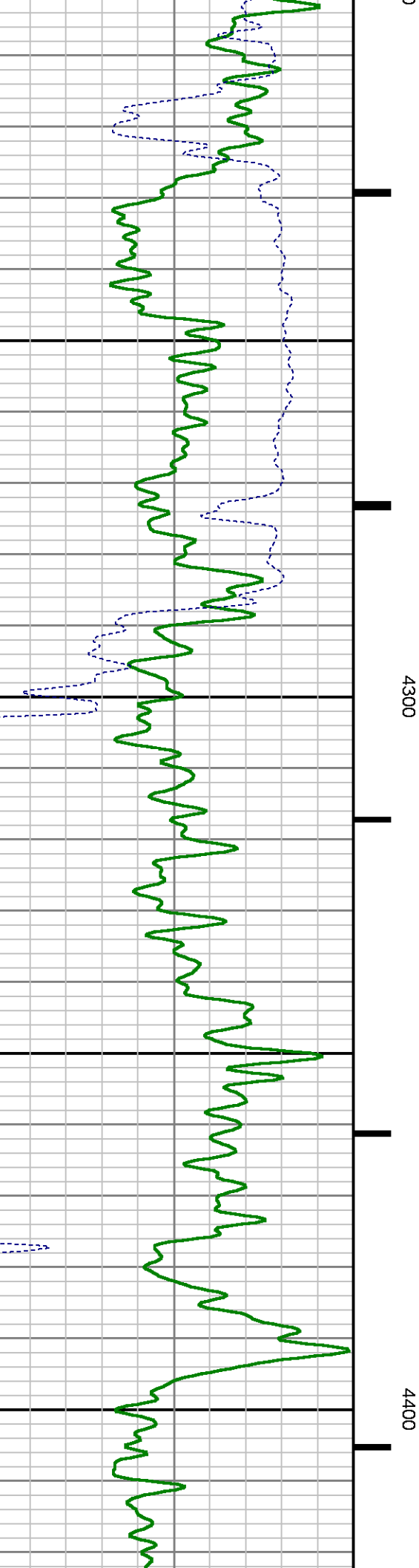
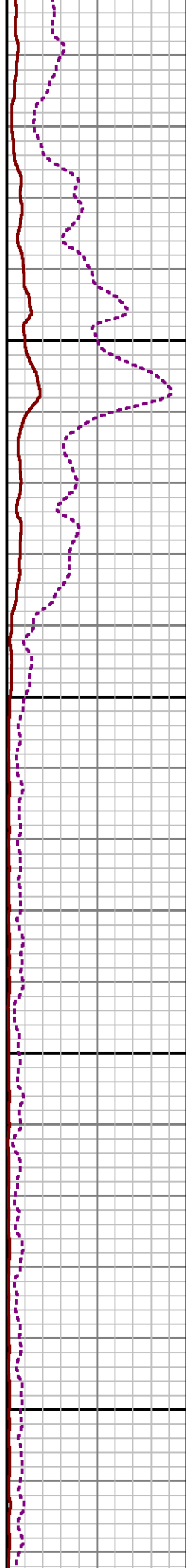
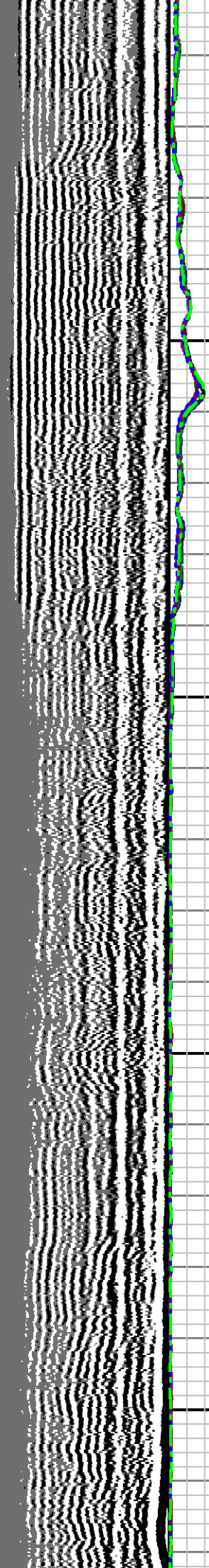
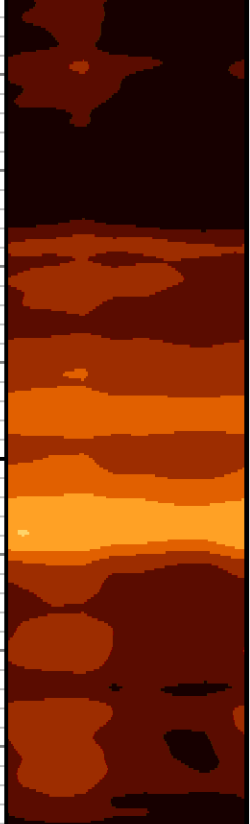


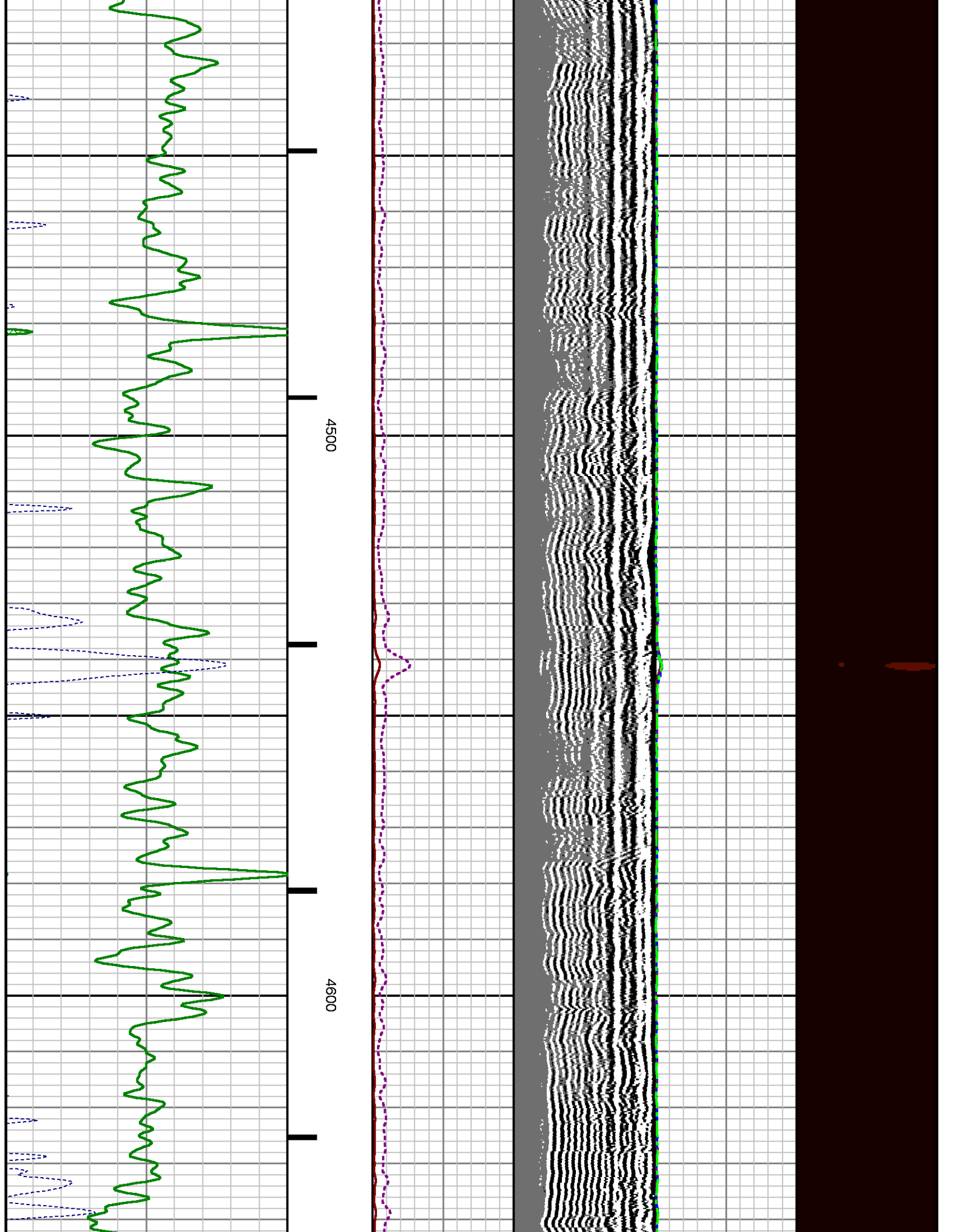


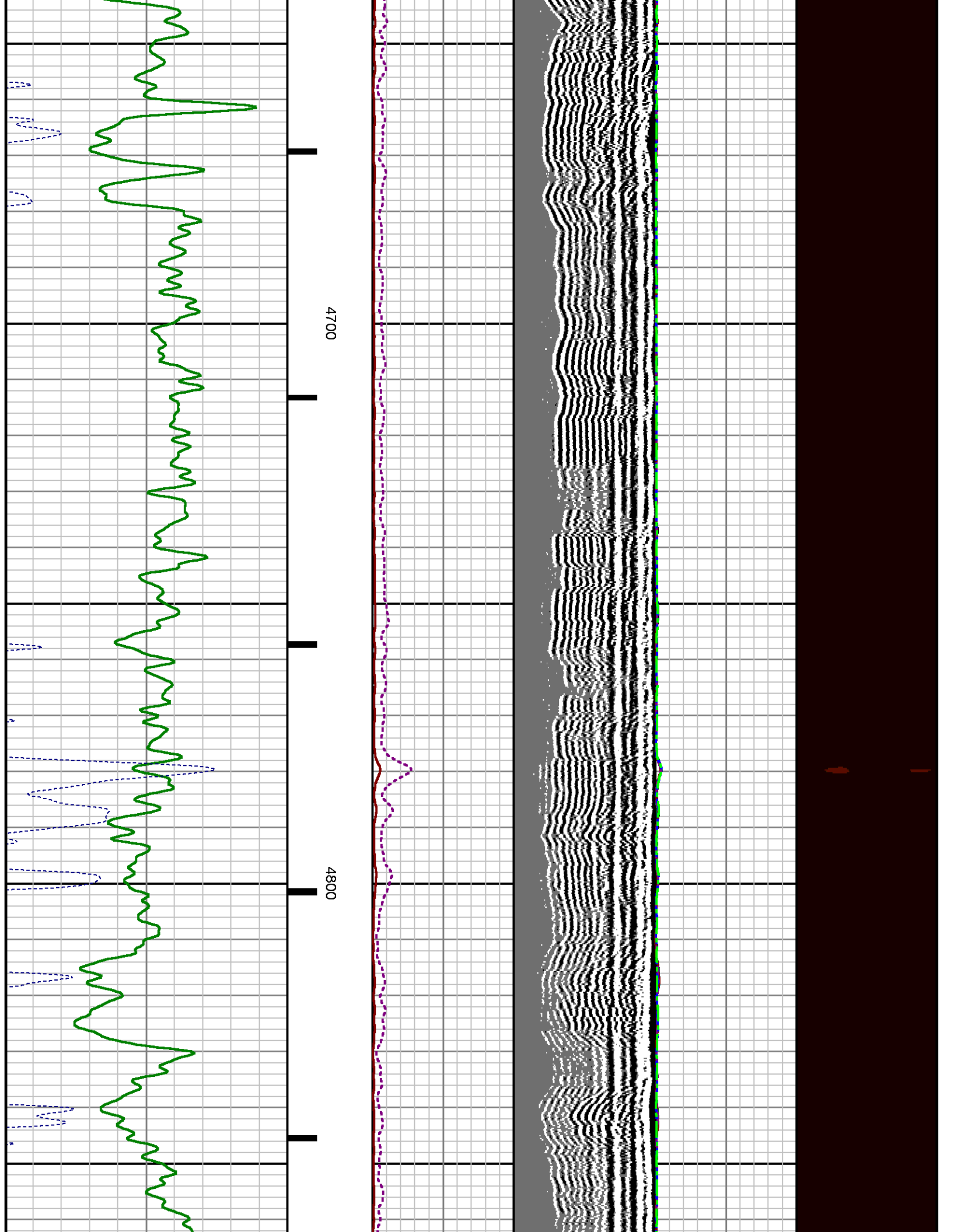


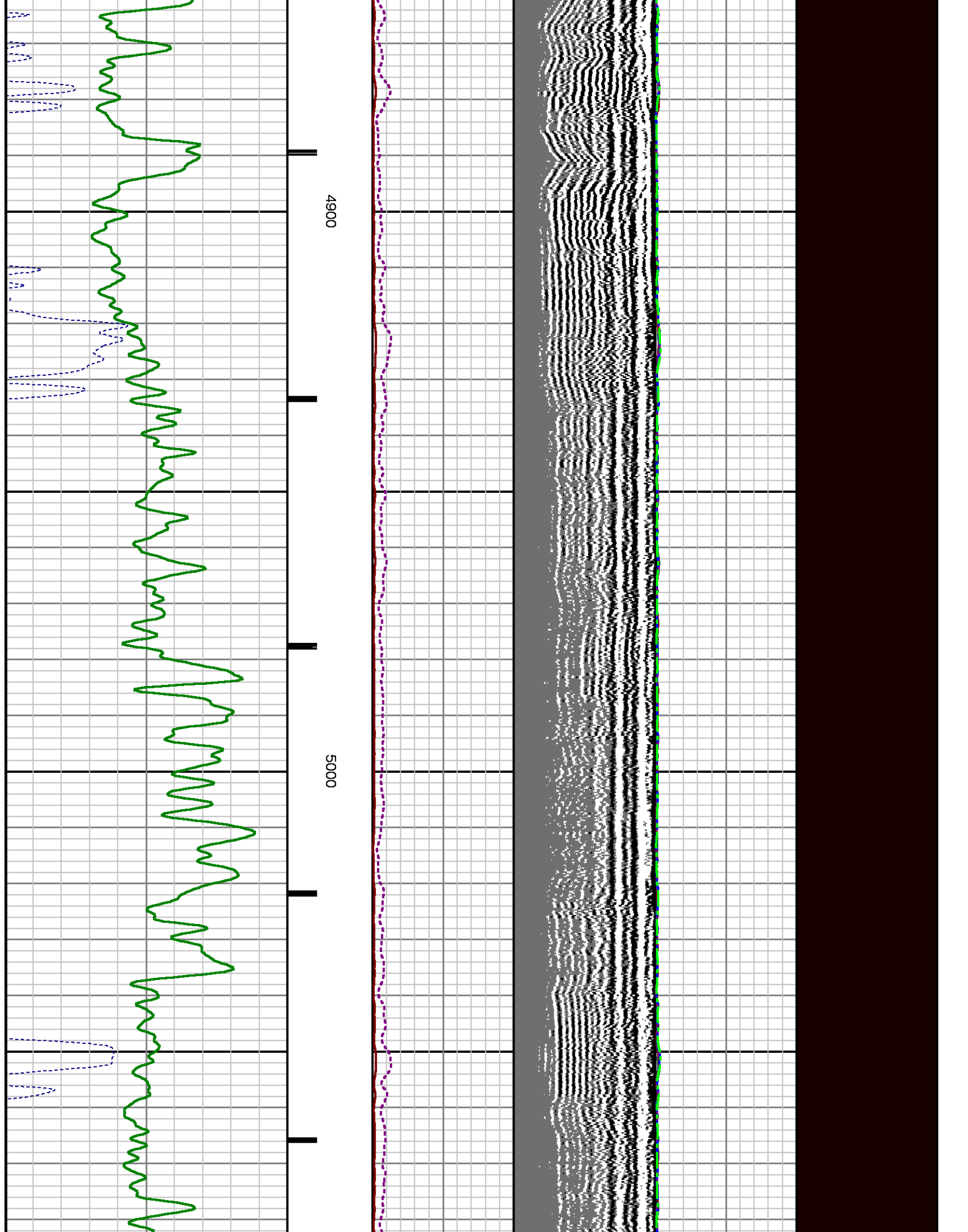


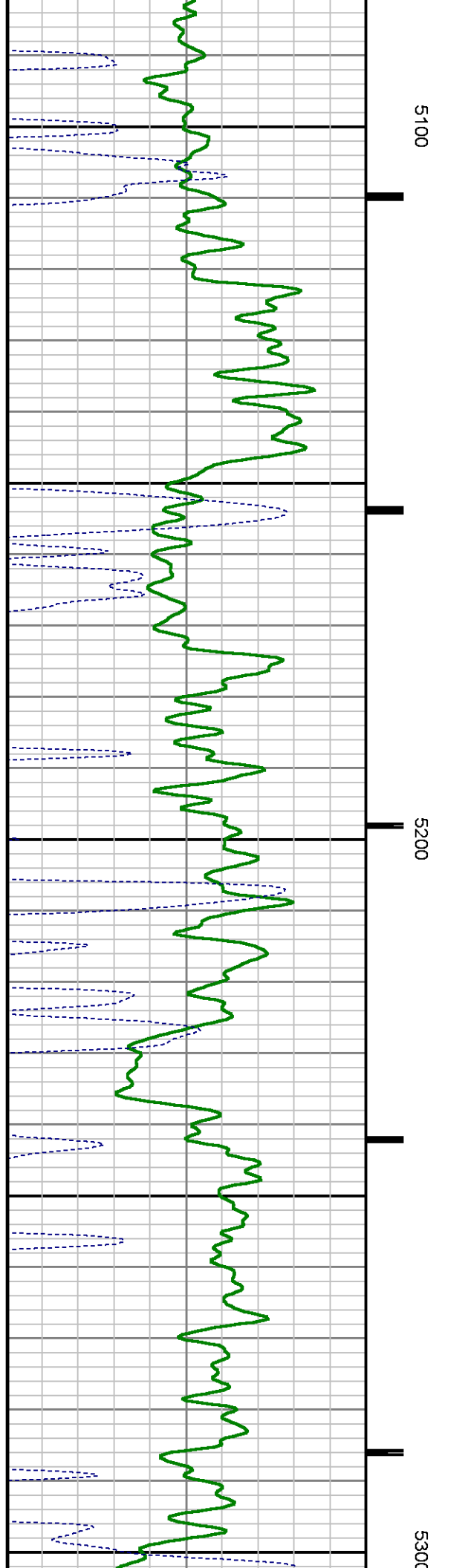
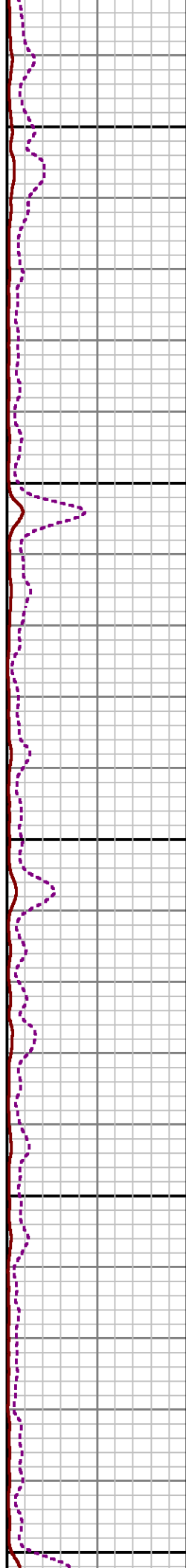
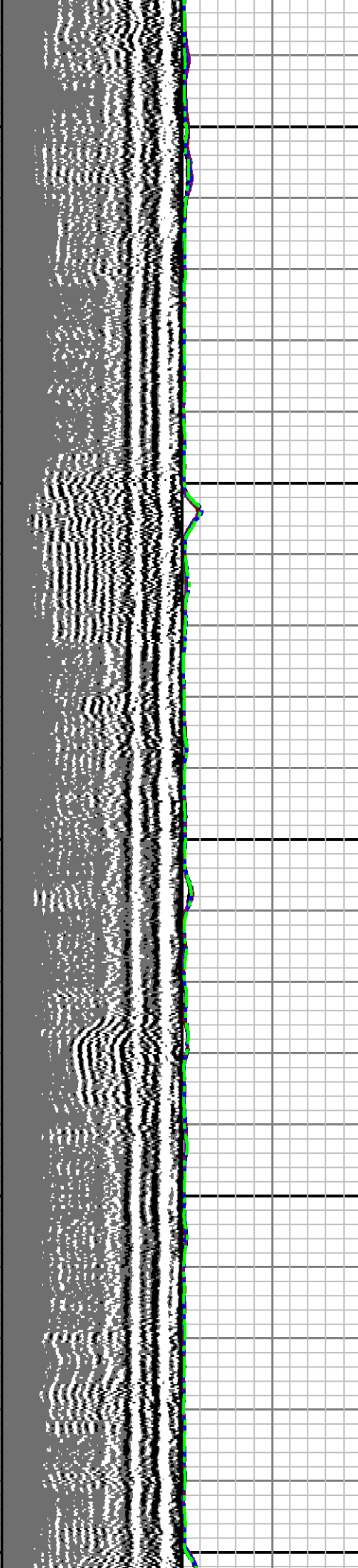
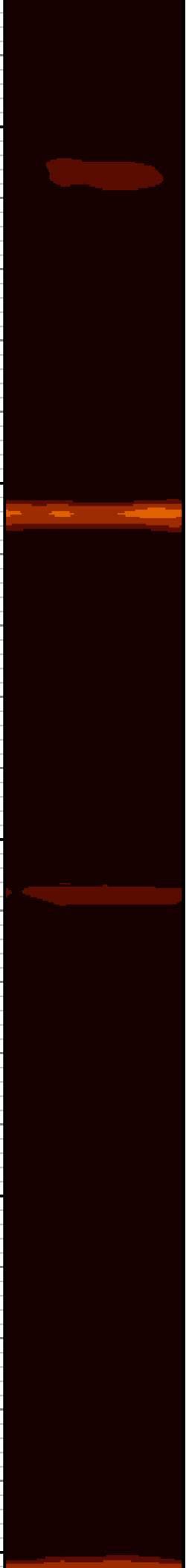


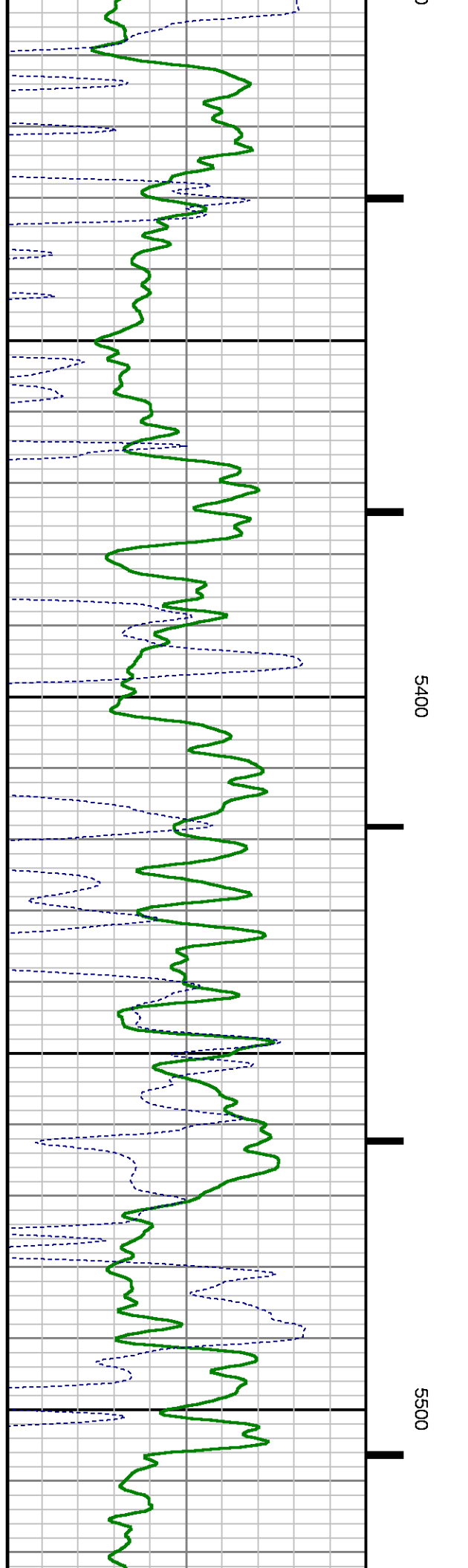
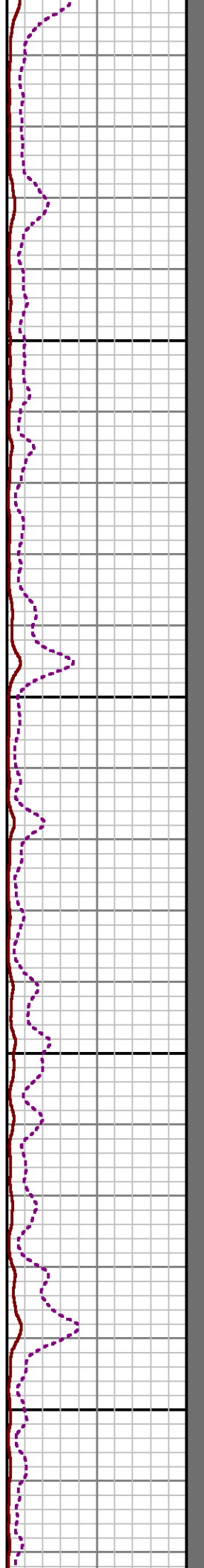
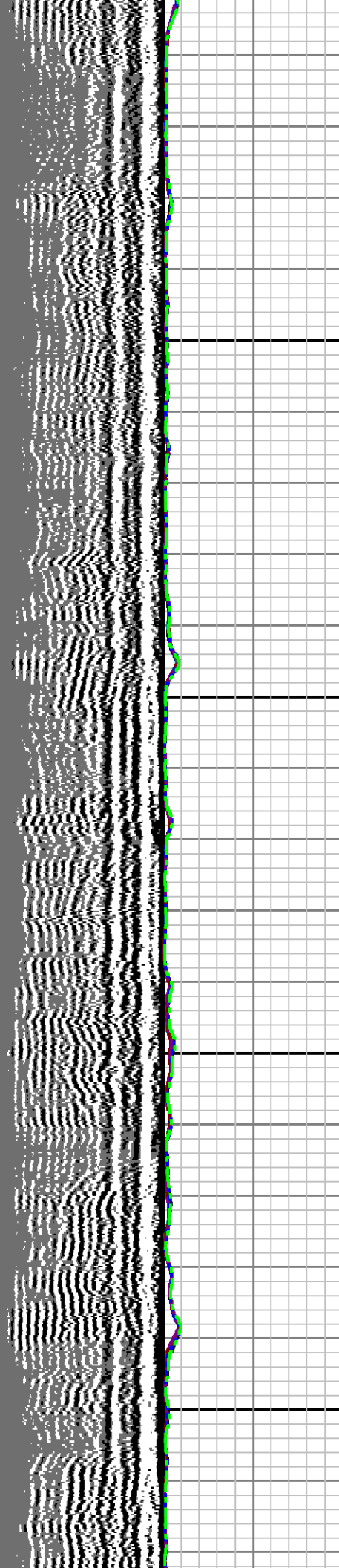
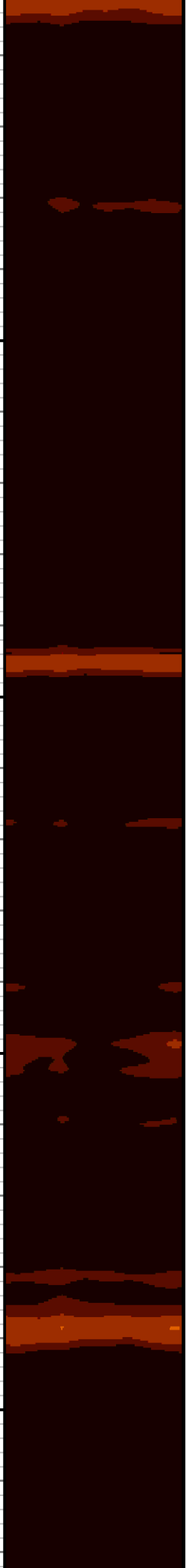


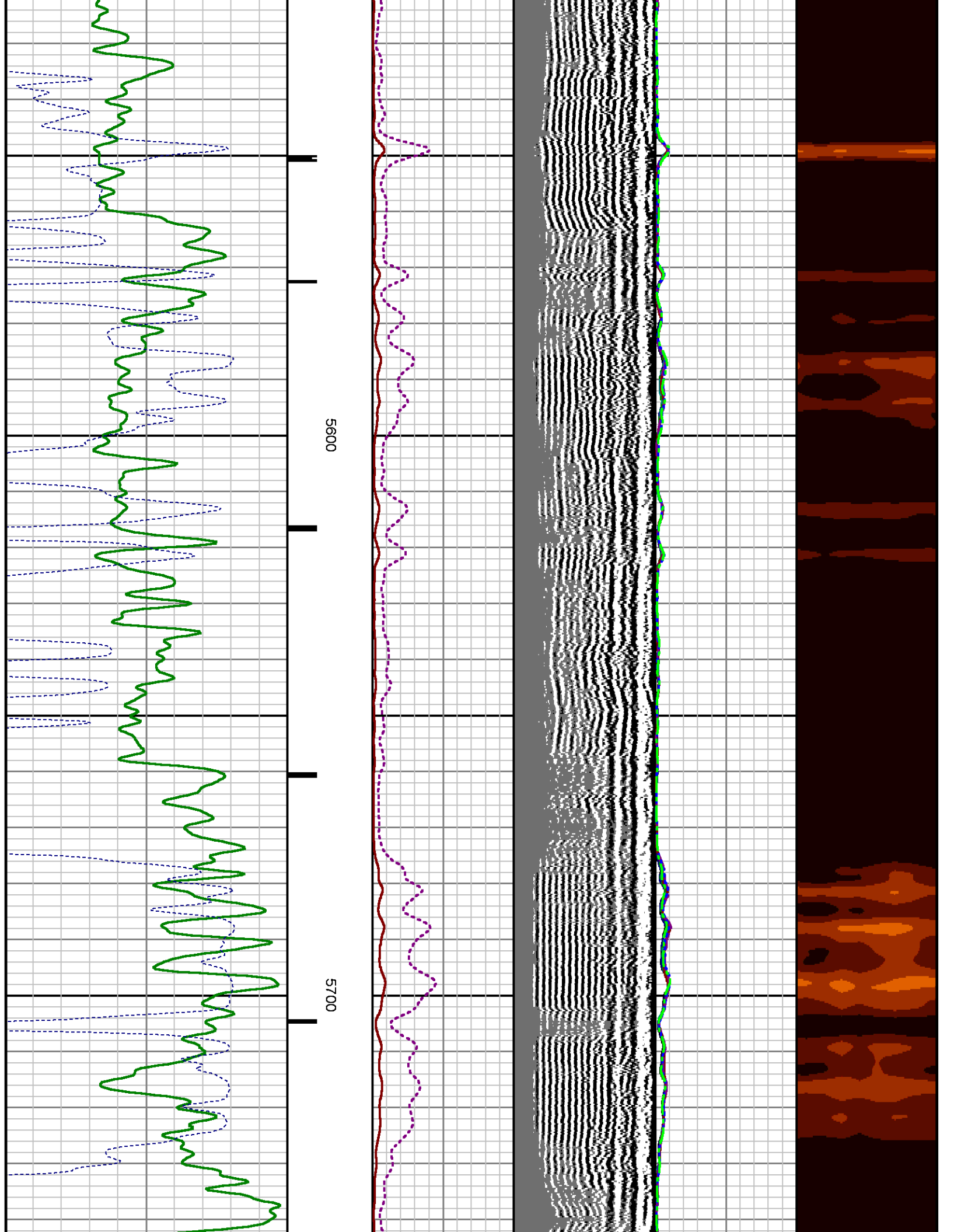


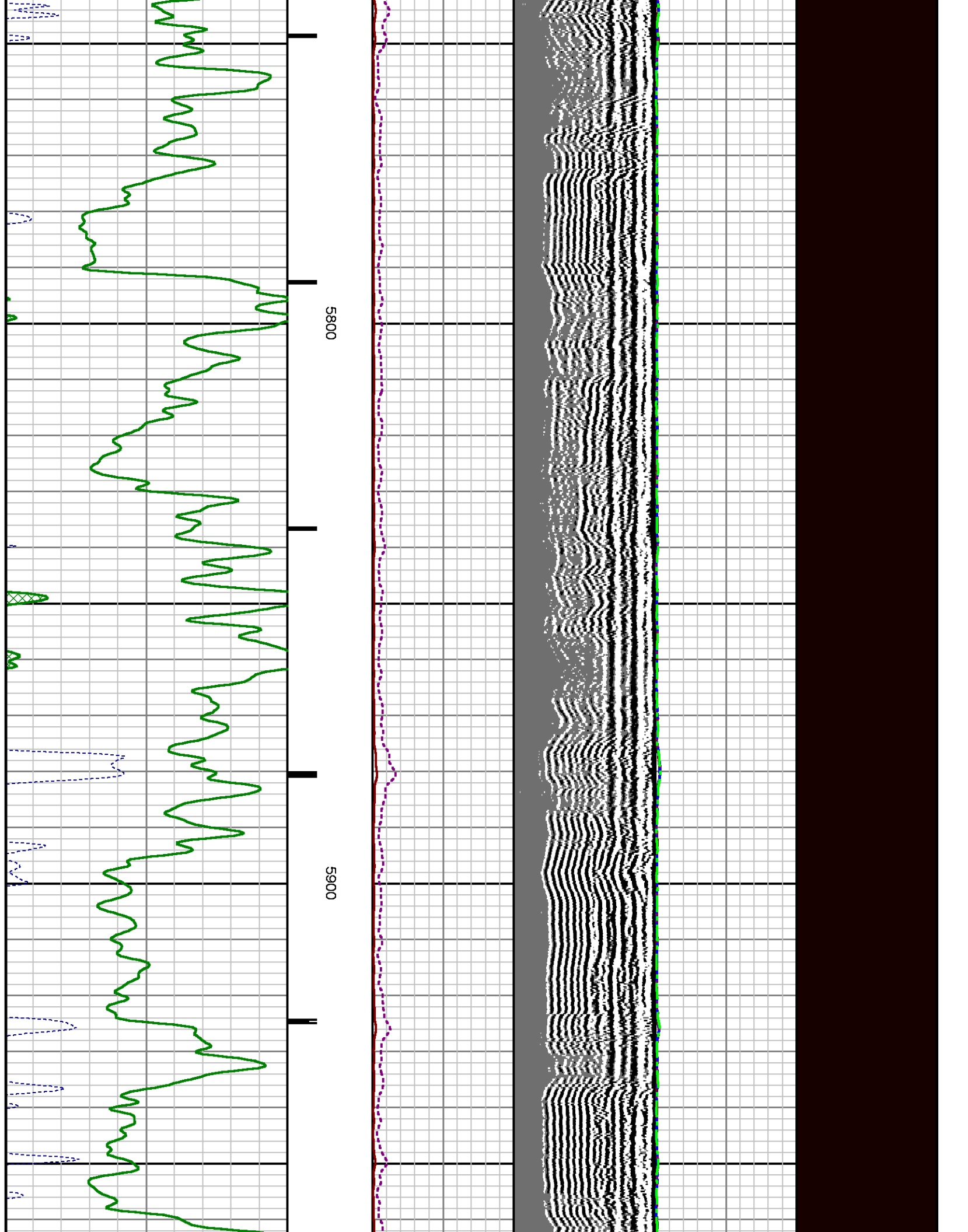


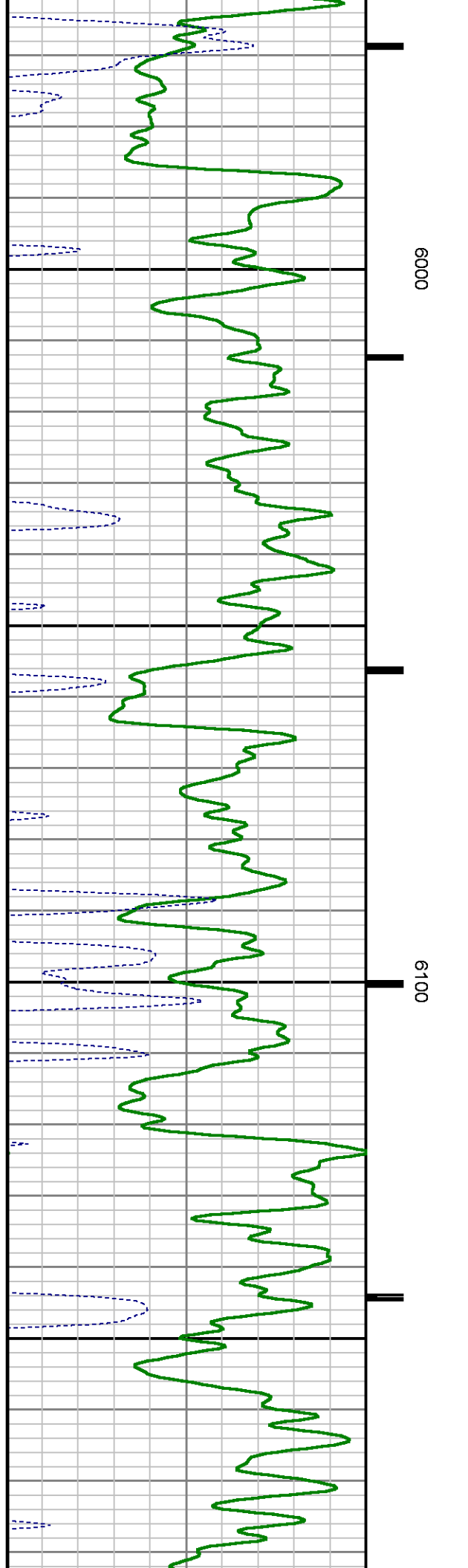
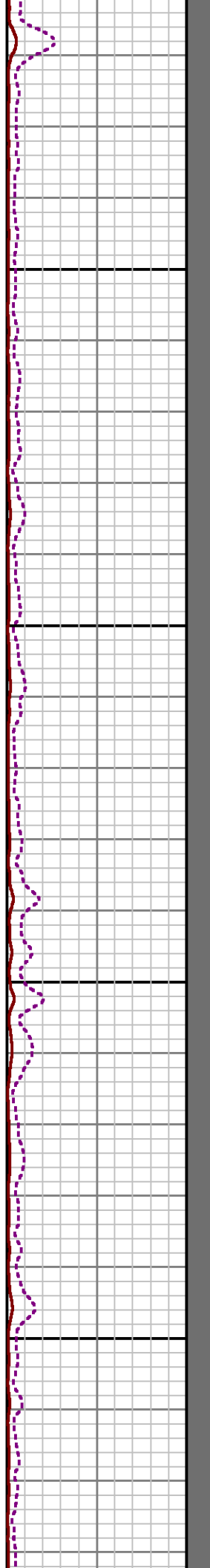
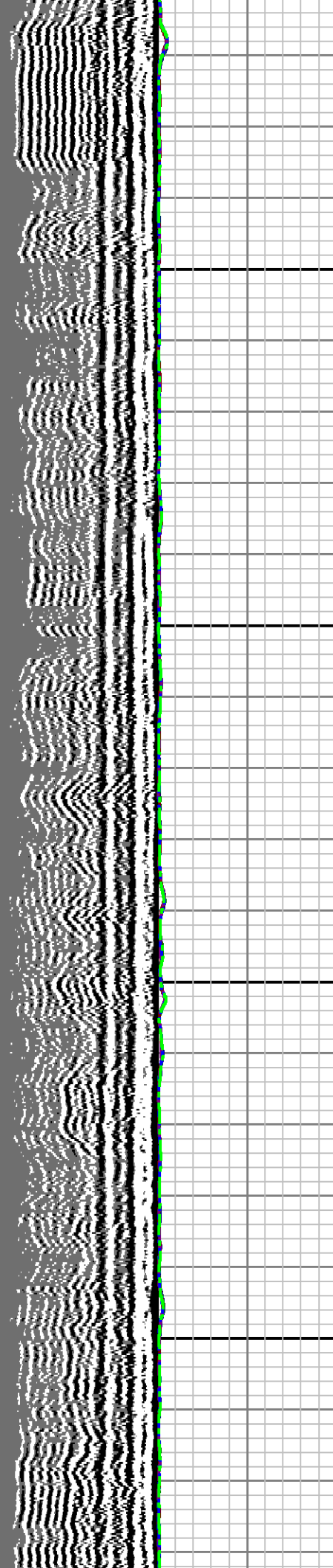
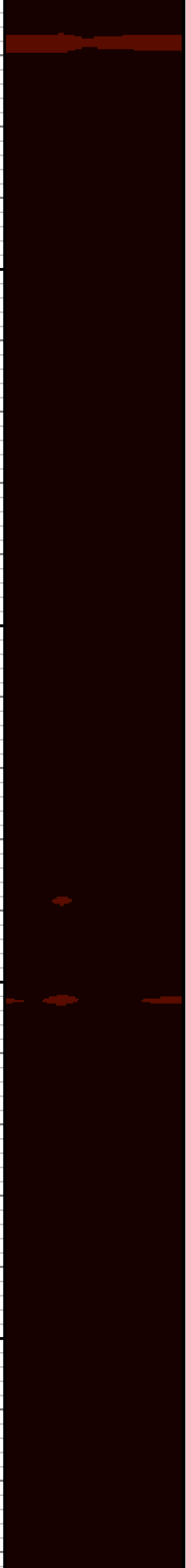


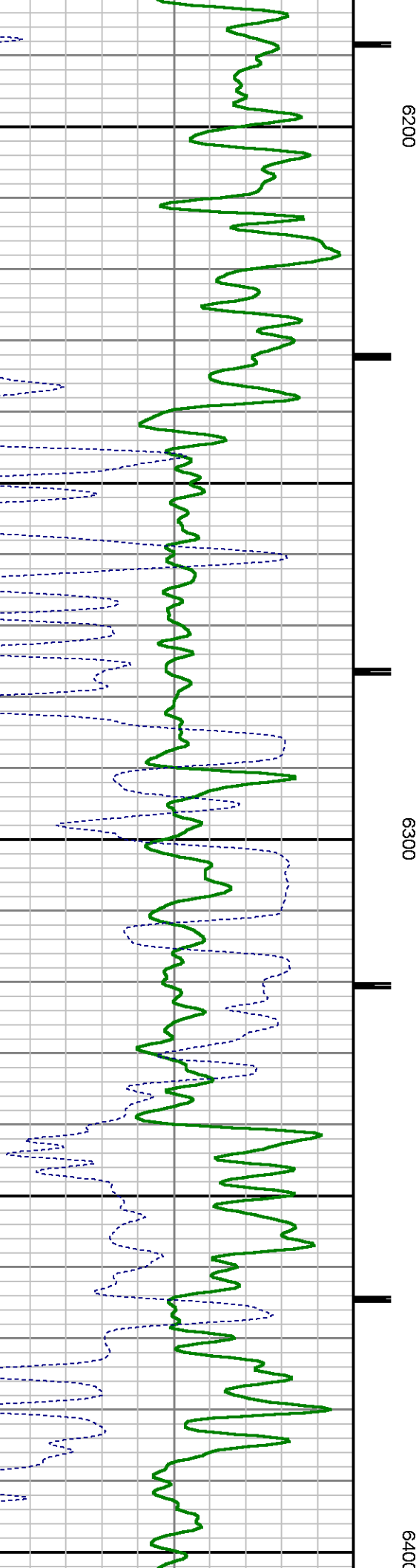
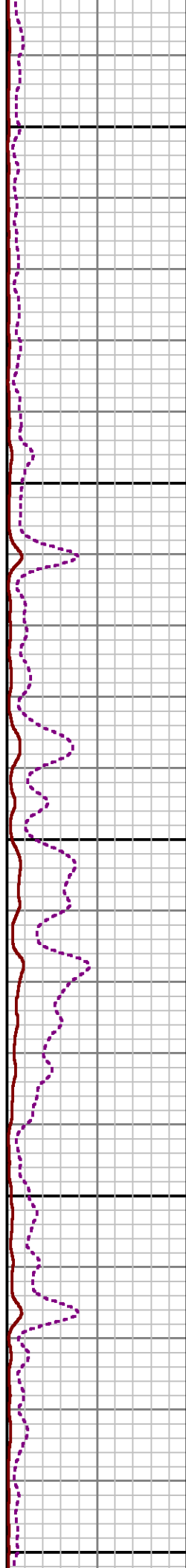
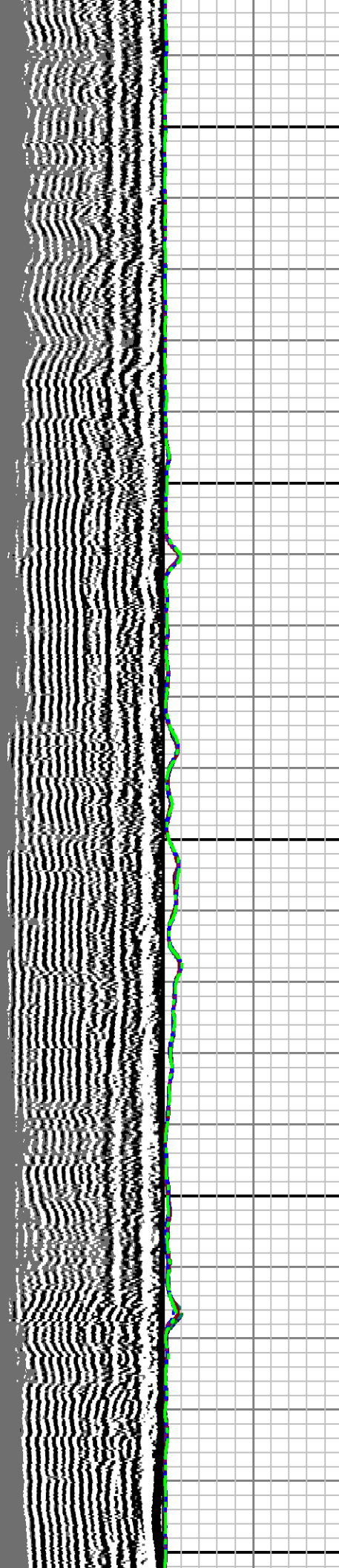
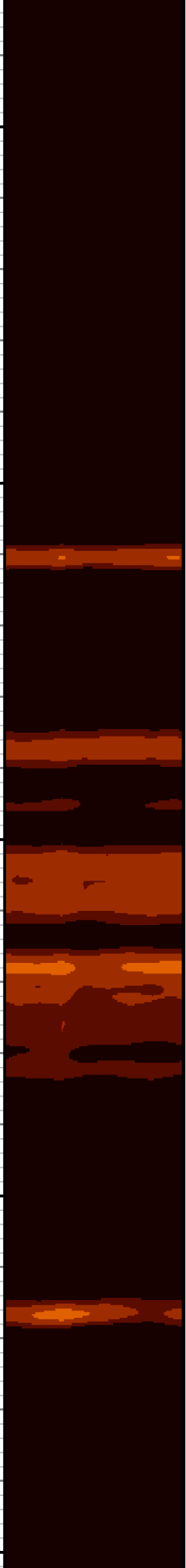


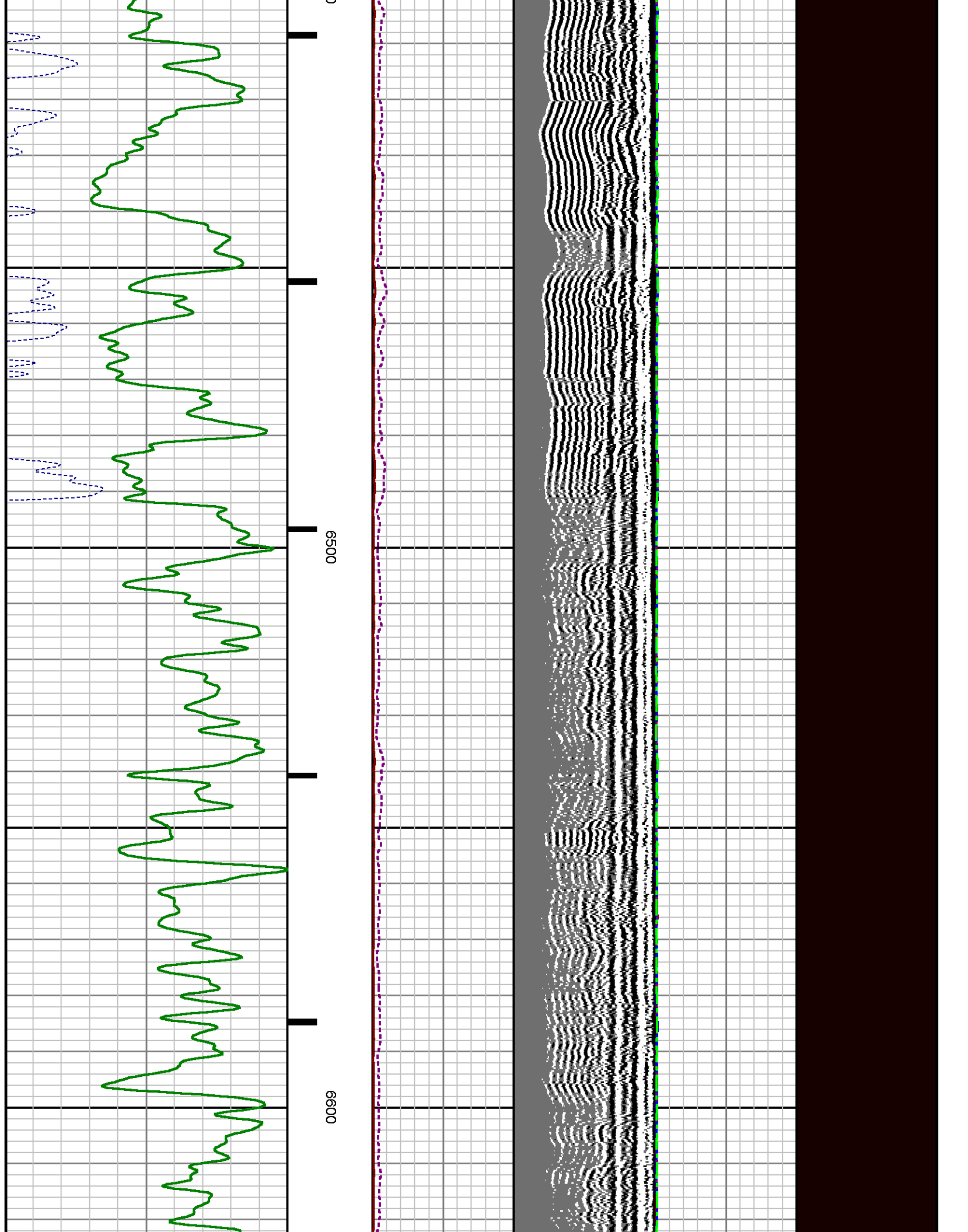


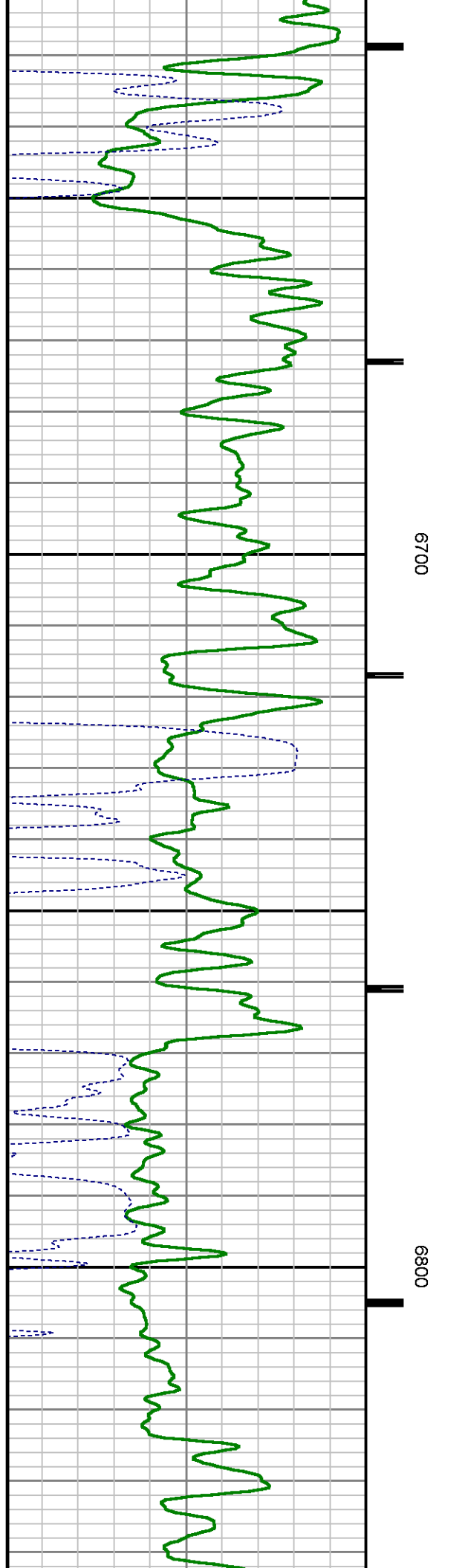
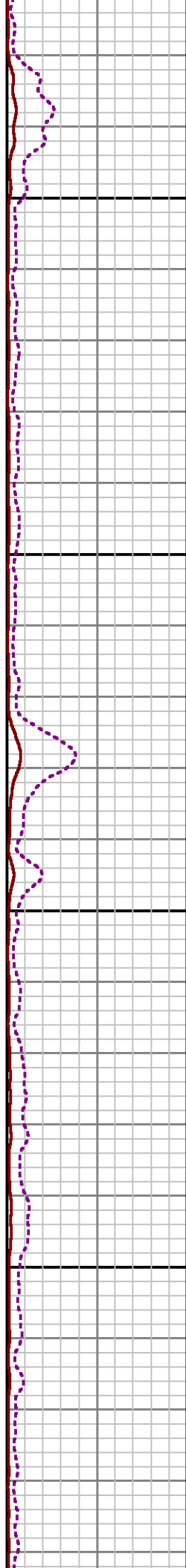
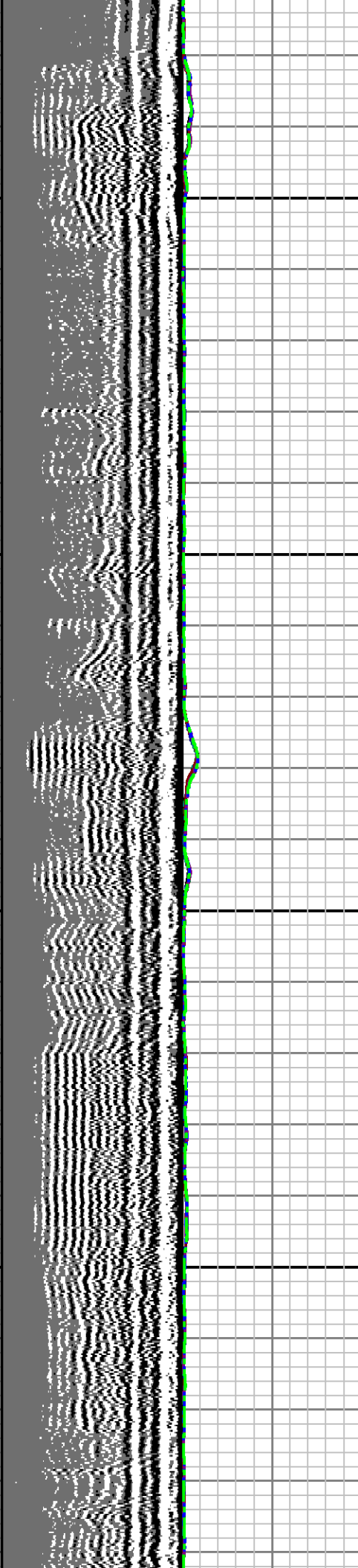
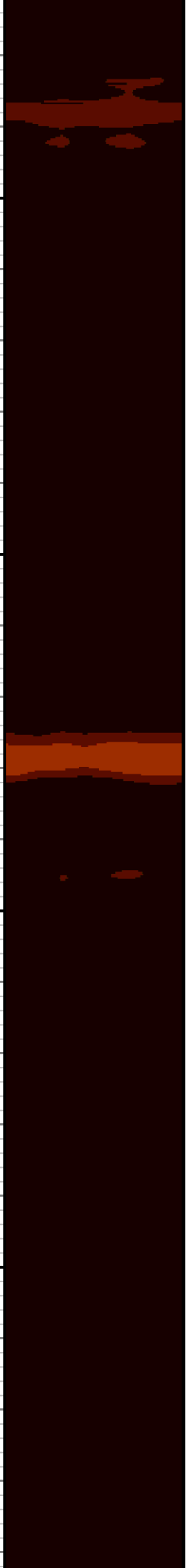


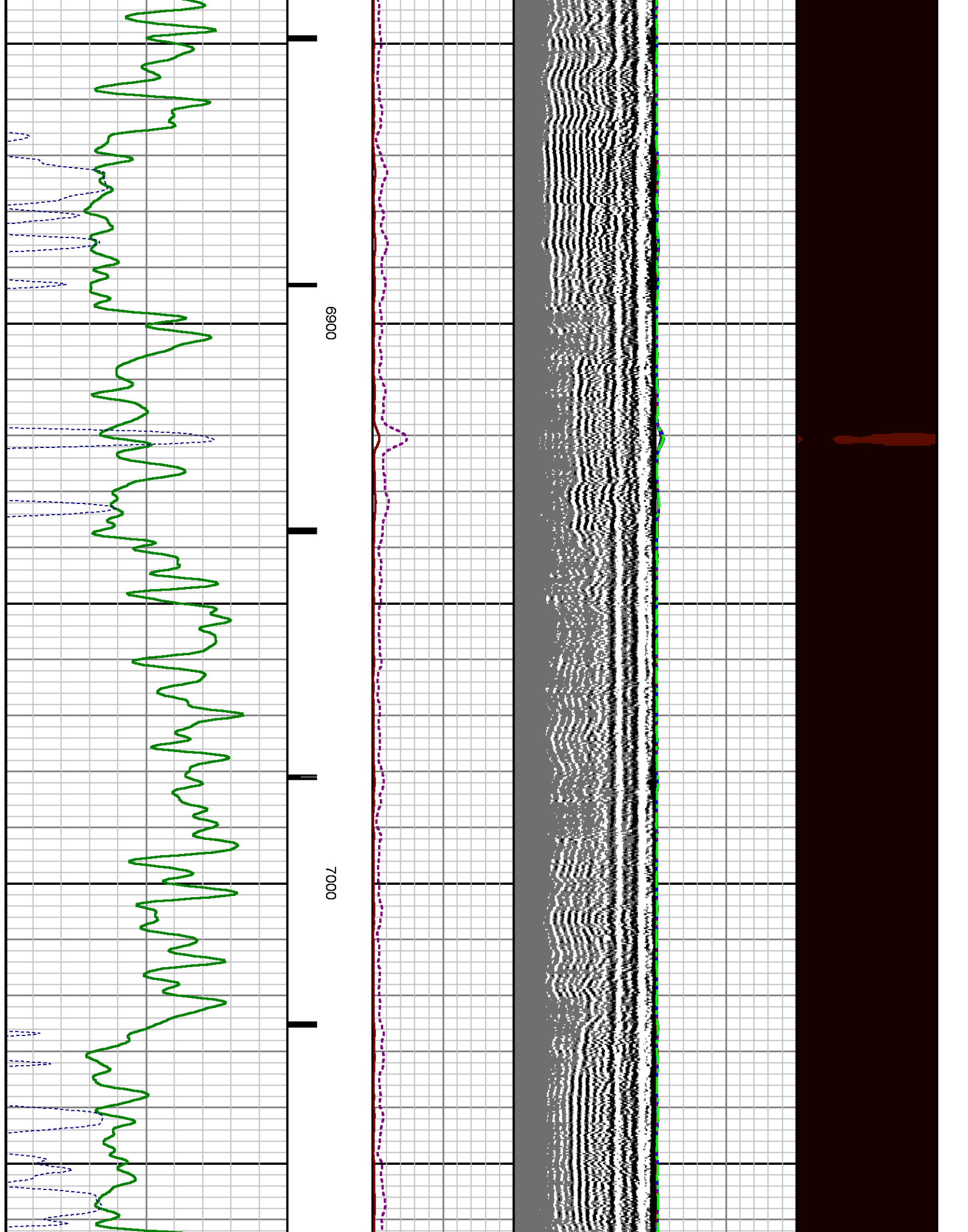


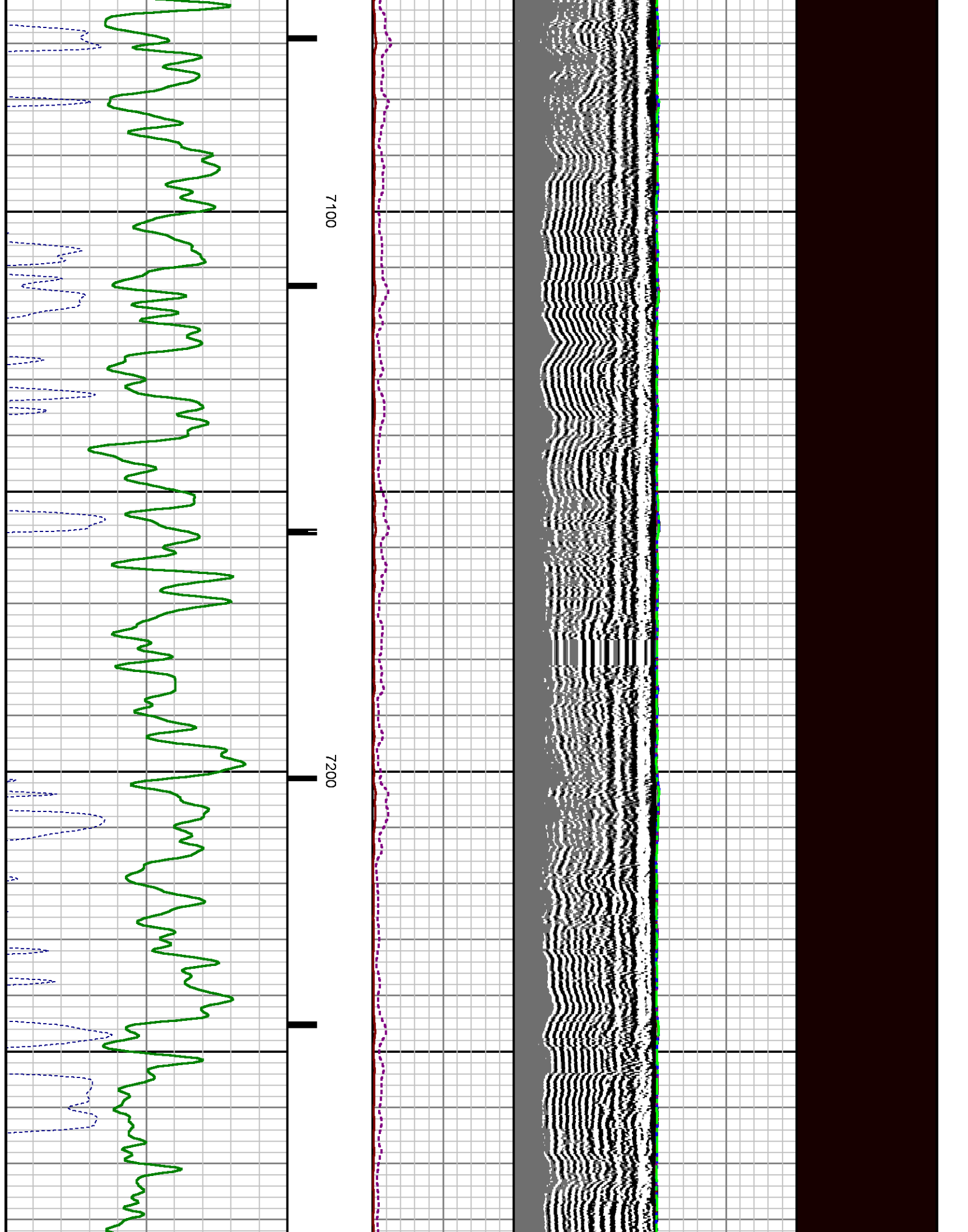




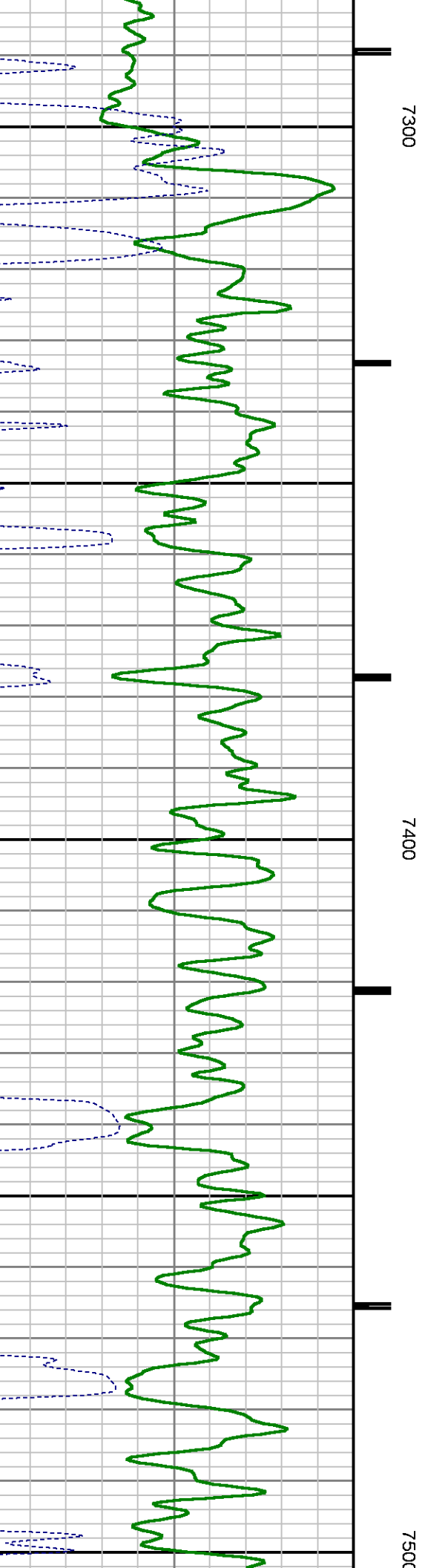
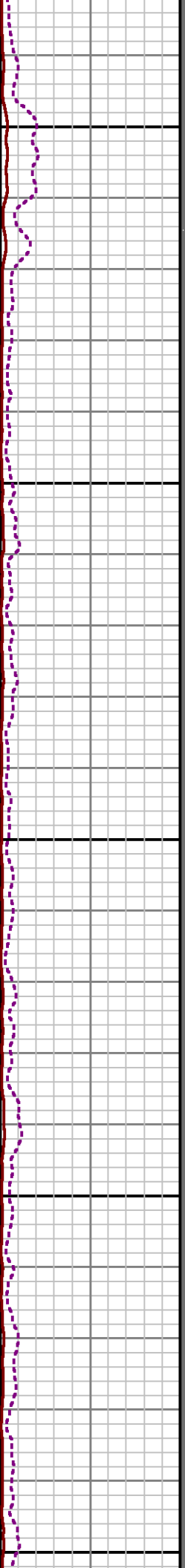
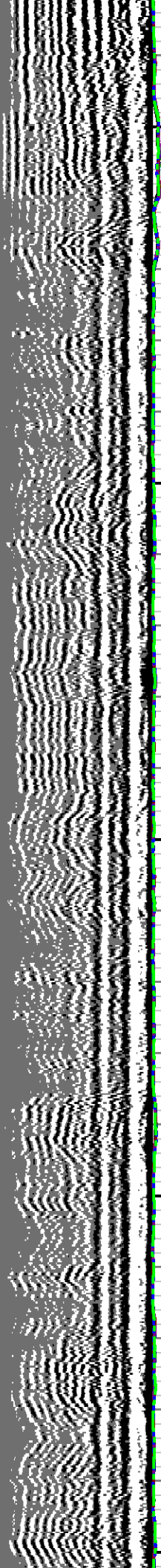




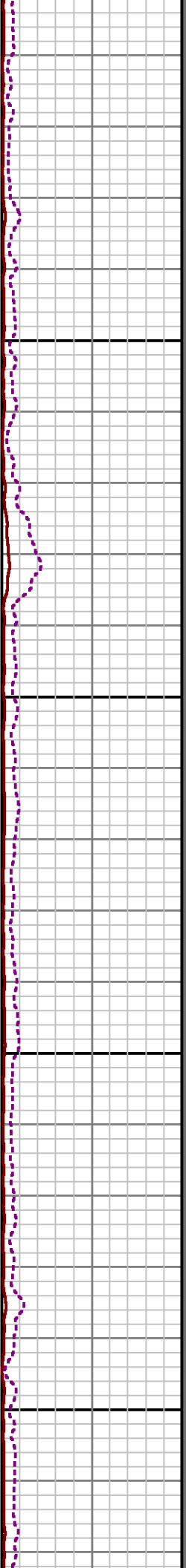
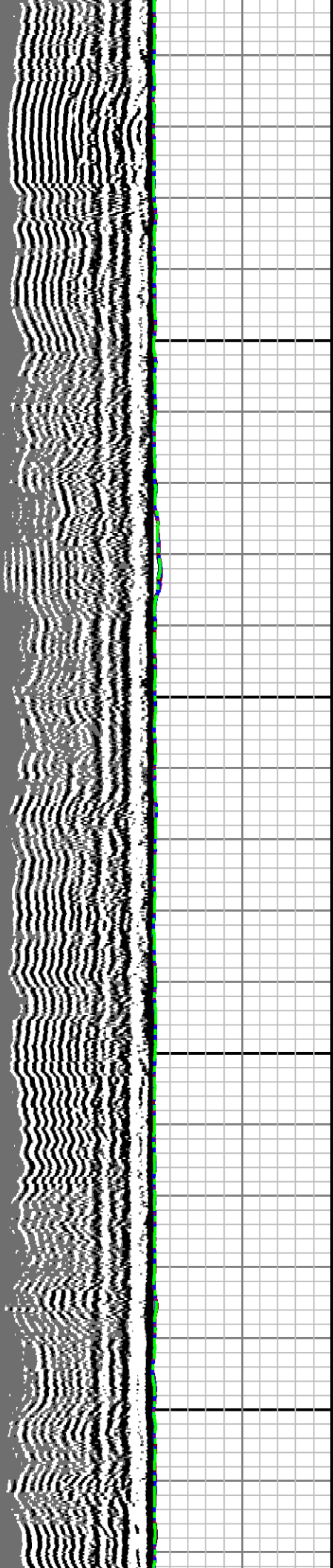




11



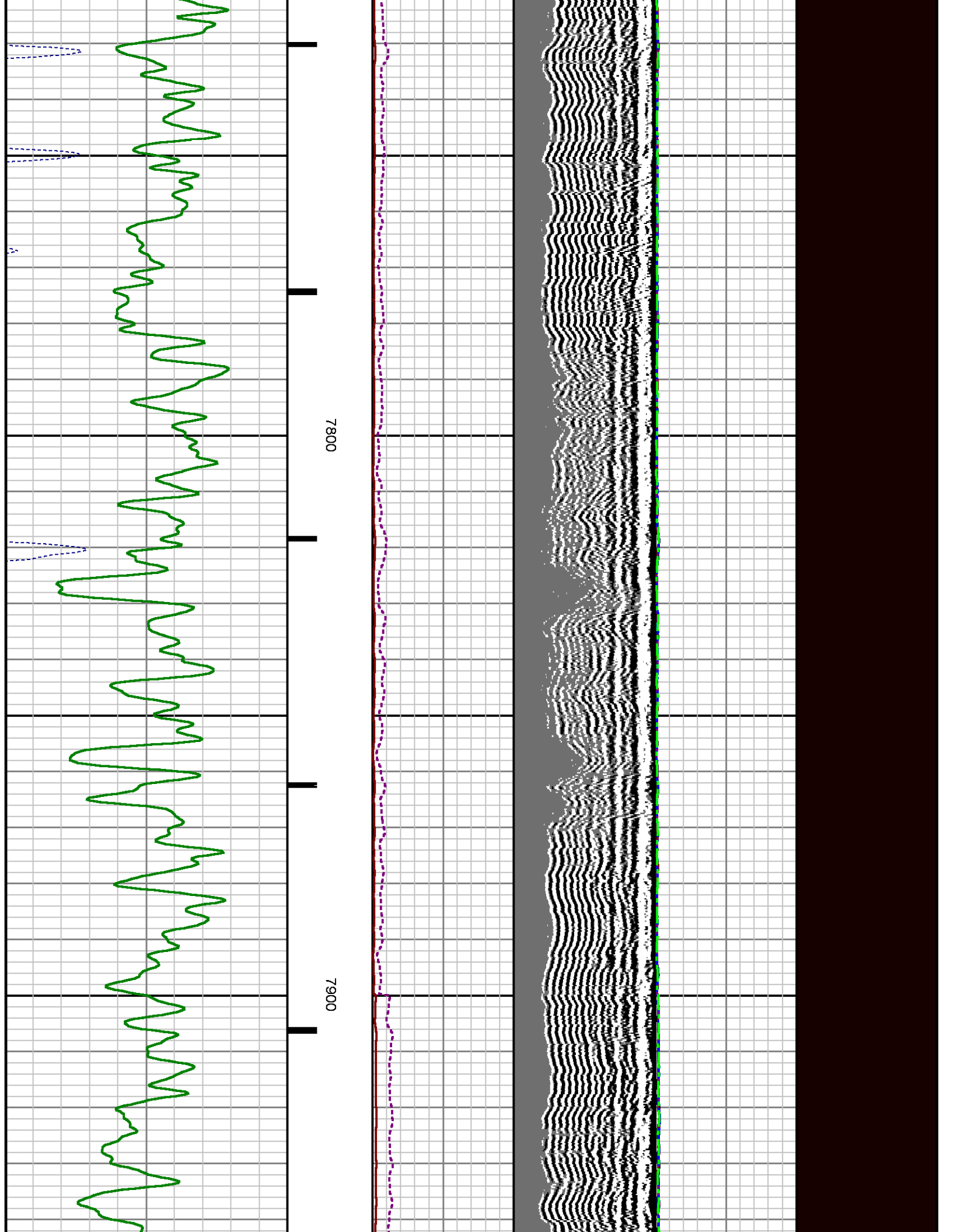
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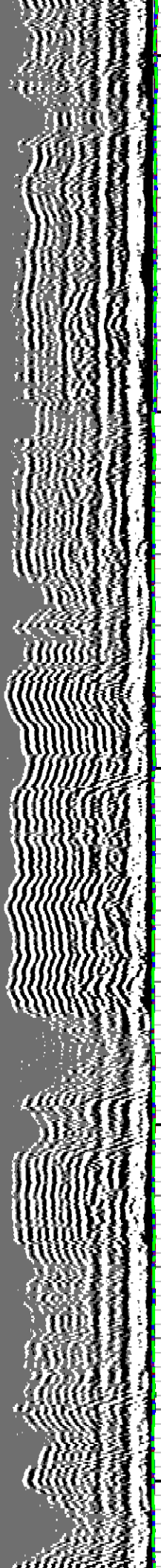


7600

7700

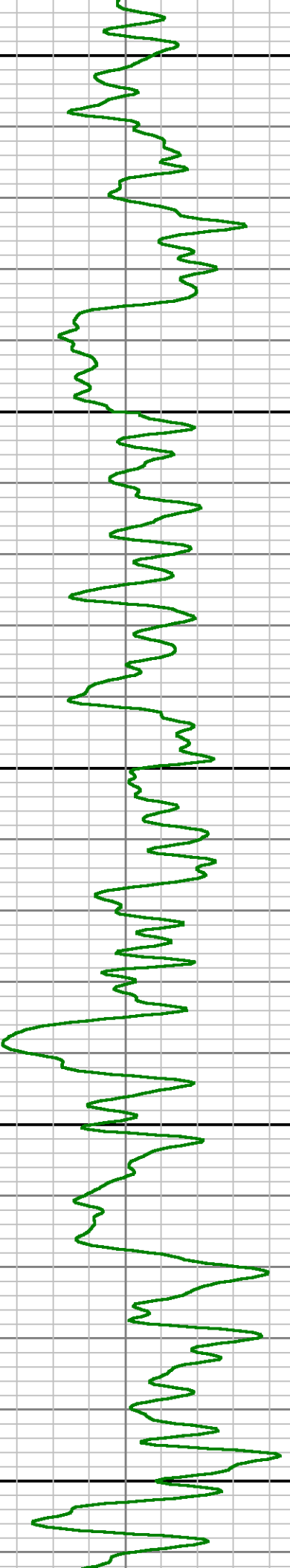


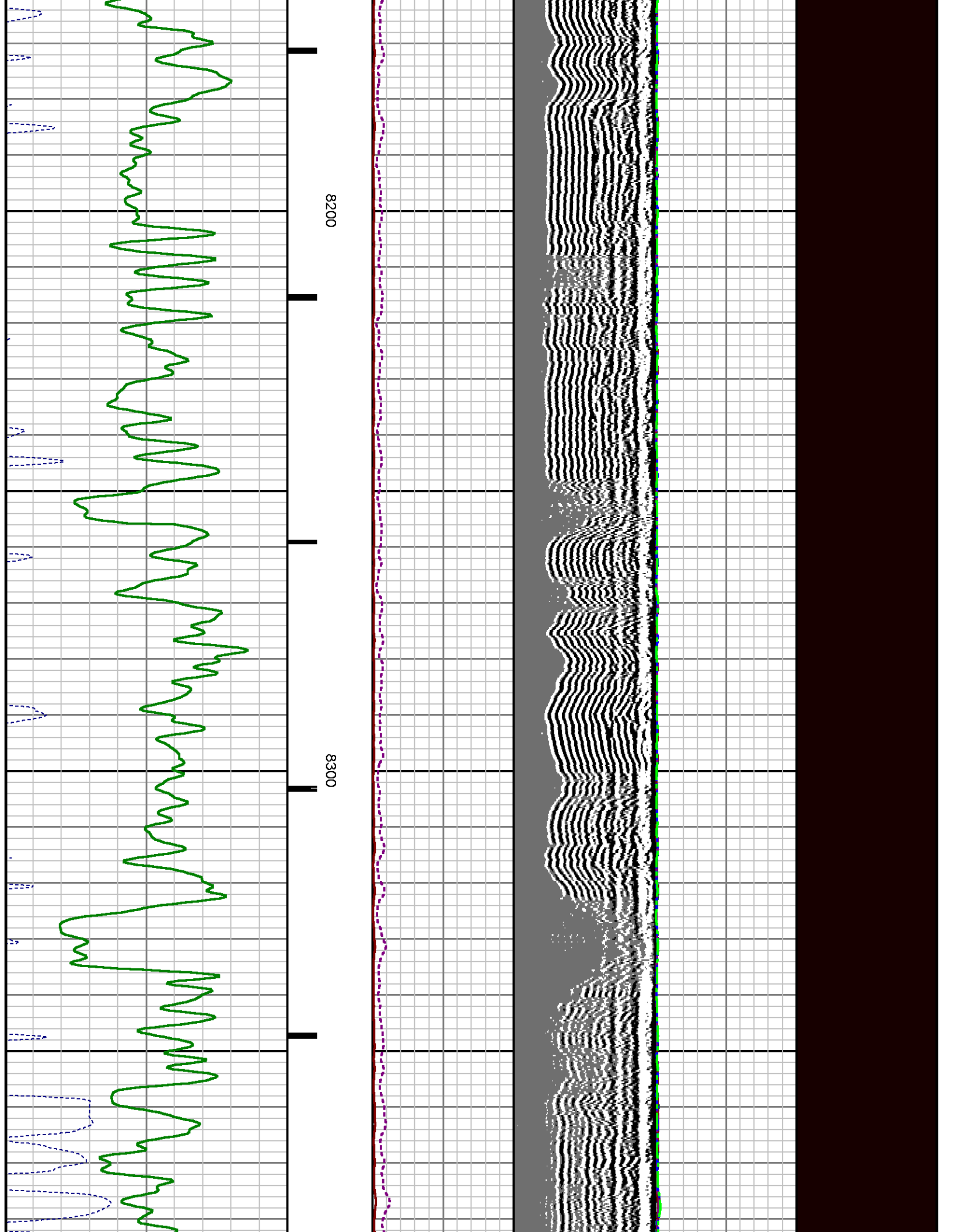


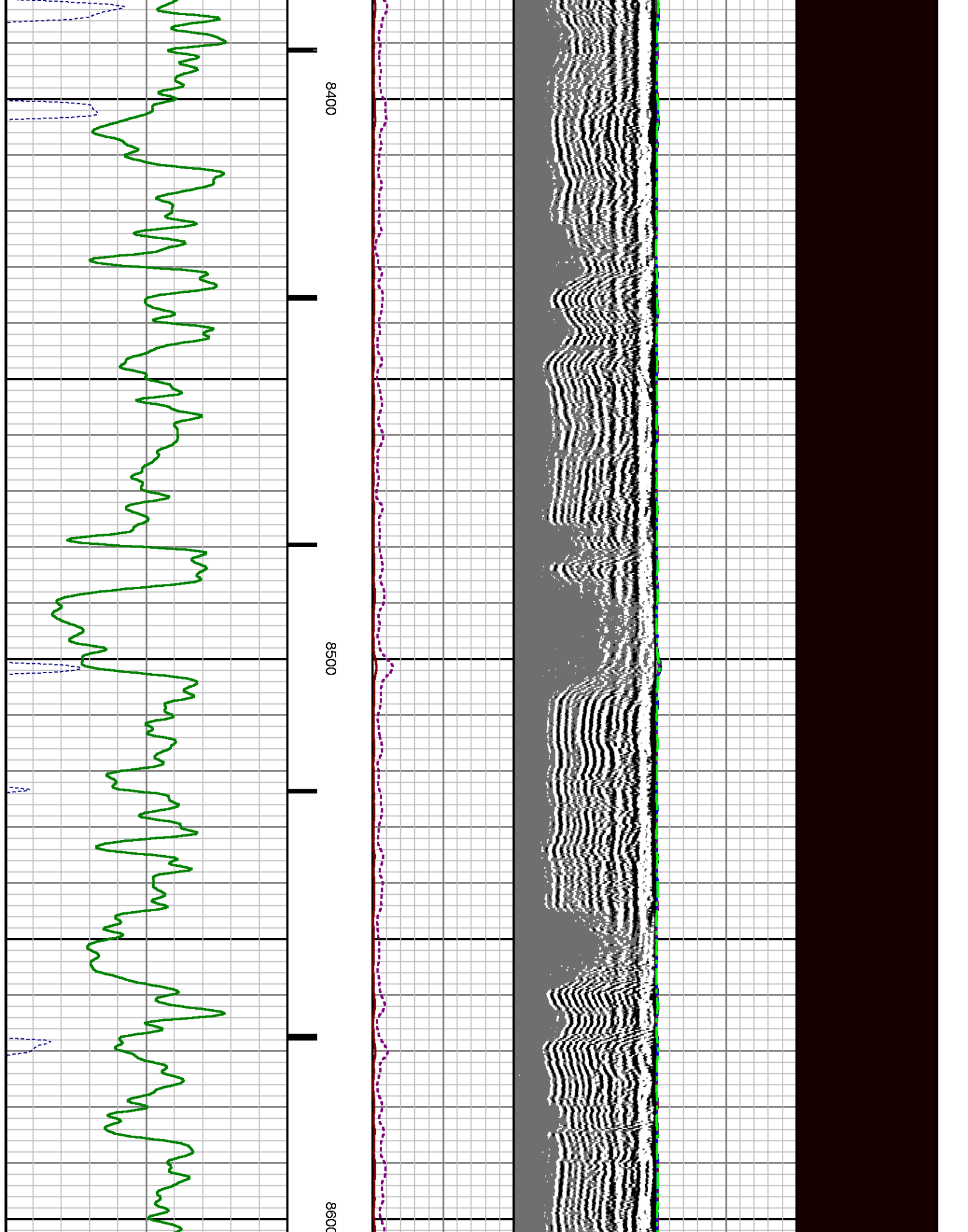


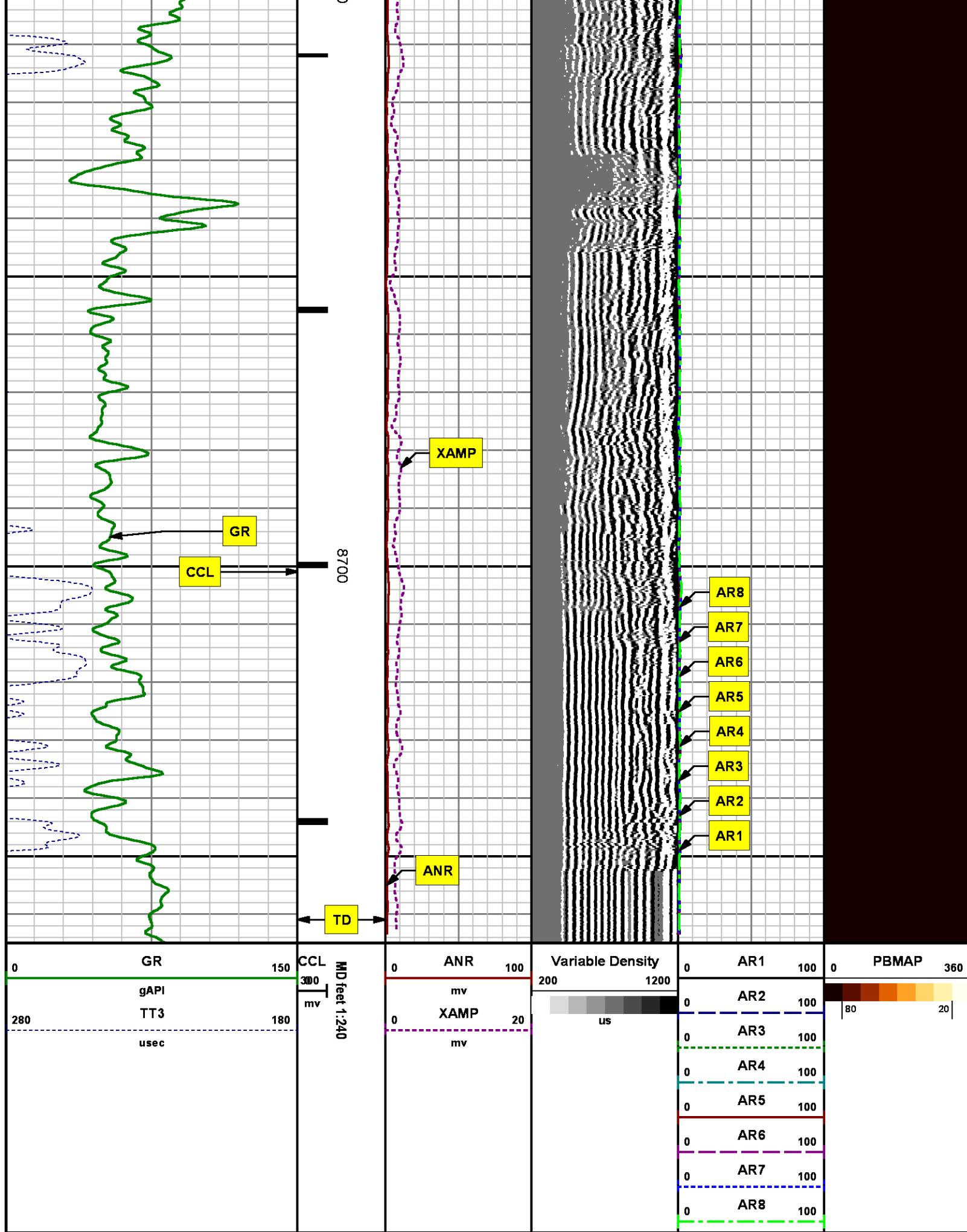
8000

8100









REPEAT SECTION

0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	8455.724	8775.750
RAL	Amp Gate Start Near	195.000	usec	8455.724	8775.750
RAL	Amp Gate Start Radial	195.000	usec	8455.724	8775.750
RAL	Amp Gate Width Far	25.000	usec	8455.724	8775.750
RAL	Amp Gate Width Near	25.000	usec	8455.724	8775.750
RAL	Amp Gate Width Radial	25.000	usec	8455.724	8775.750
RAL	casing od	4.500	inches	8455.724	8775.750
RAL	casing wt	11.600	lbm/ft	8455.724	8775.750
RAL	FB Start Far	291.900	usec	8455.724	8775.750
RAL	FB Start Near	180.000	usec	8455.724	8775.750
RAL	FB Start Radial	180.000	usec	8455.724	8775.750
RAL	FB Thresh Far	10.000	mv	8455.724	8775.750
RAL	FB Thresh Near	4.000	mv	8455.724	8775.750
RAL	FB Thresh Radial	4.000	mv	8455.724	8775.750
RAL	Fluid Travel Time	200.000	usec/ft	8455.724	8775.692

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					

Company : WPX ENERGY

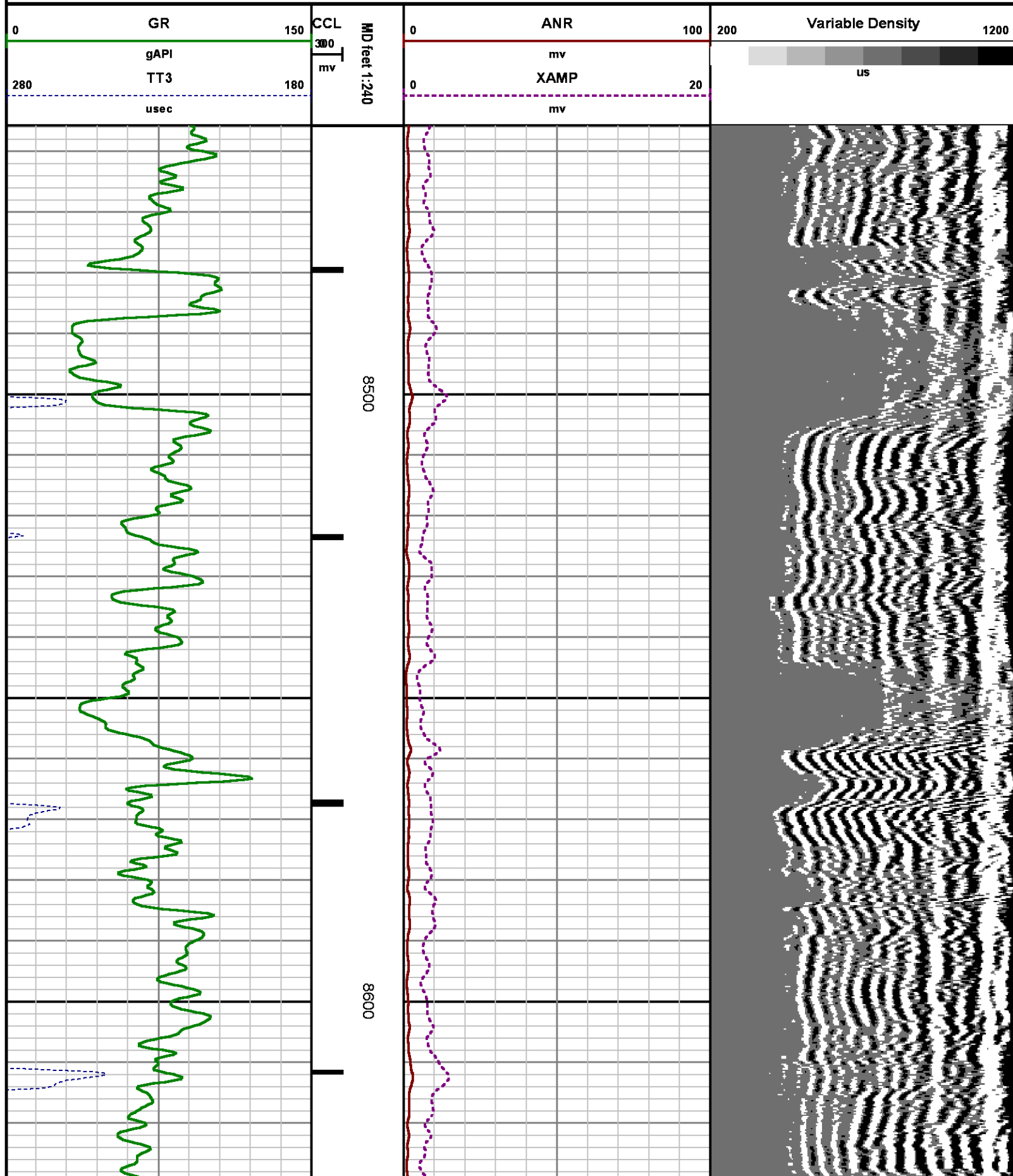
Well : SAVAGE RWF 534-25

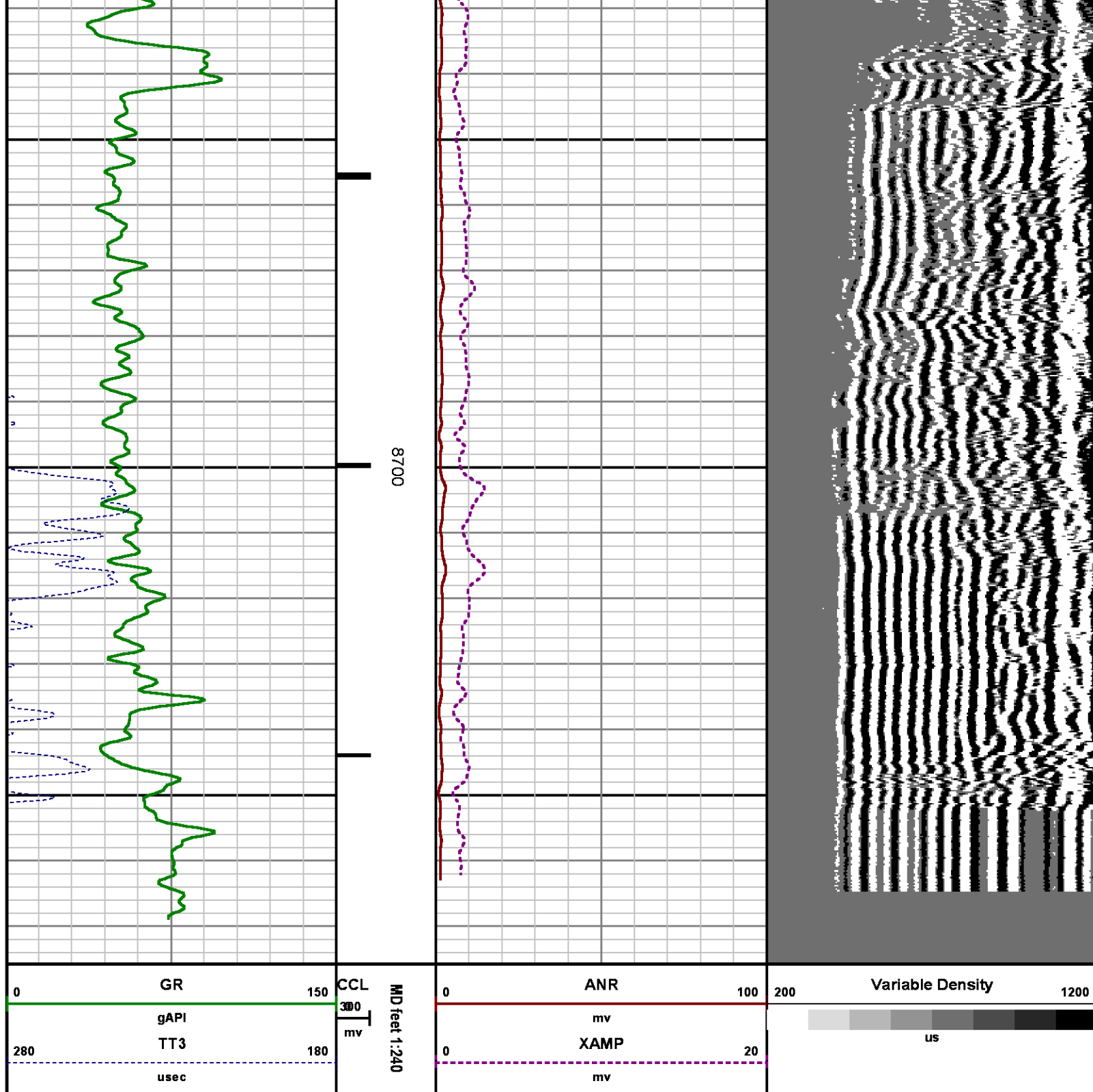
File Name : d:\welldata\wpx\rwf 534-25\534ra\repeat.xtf

Mode : PlotMgr 5.4.504

Interval : 8455.75 - 8775.75 feet UP

Created : 10/17/2013 3:58:54 PM





CALIBRATION SUMMARY

RALSHP

Shop Calibration: C:\case\calver\RALSHP\495O15_shp.cal

SHOP CALIBRATION SUMMARY

DATE/TIME PERFORMED: Tue Oct 15 19:56:32 2013 TOOL SERIES: 1426XA ASSET: 495 SEQ: O15

Tool Delay [usec] Tank OD in Tank Wt lbm/ft Tank ID in

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	<input type="text" value="218"/>	<input type="text" value="216"/>	<input type="text" value="30"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="-0.331"/>	<input type="text" value="100.00"/>	<input type="text" value="0.26"/>
3 Ft. Receiver	<input type="text" value="217"/>	<input type="text" value="216"/>	<input type="text" value="30"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="1.768"/>	<input type="text" value="100.00"/>	<input type="text" value="0.25"/>
5 Ft. Receiver	<input type="text" value="327"/>	<input type="text" value="325"/>	<input type="text" value="30"/>	<input type="text" value="243"/>	<input type="text" value="25"/>	<input type="text" value="0.378"/>	<input type="text" value="150.00"/>	<input type="text" value="0.28"/>
Radial #1	<input type="text" value="218"/>	<input type="text" value="216"/>	<input type="text" value="30"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="1.365"/>	<input type="text" value="100.00"/>	<input type="text" value="0.26"/>
Radial #2	<input type="text" value="217"/>	<input type="text" value="216"/>	<input type="text" value="30"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="1.308"/>	<input type="text" value="100.00"/>	<input type="text" value="0.26"/>
Radial #3	<input type="text" value="216"/>	<input type="text" value="216"/>	<input type="text" value="30"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="1.605"/>	<input type="text" value="100.00"/>	<input type="text" value="0.26"/>
Radial #4	<input type="text" value="215"/>	<input type="text" value="216"/>	<input type="text" value="30"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="1.881"/>	<input type="text" value="100.00"/>	<input type="text" value="0.26"/>
Radial #5	<input type="text" value="216"/>	<input type="text" value="216"/>	<input type="text" value="30"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="1.031"/>	<input type="text" value="100.00"/>	<input type="text" value="0.25"/>
Radial #6	<input type="text" value="216"/>	<input type="text" value="216"/>	<input type="text" value="30"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="0.877"/>	<input type="text" value="100.00"/>	<input type="text" value="0.25"/>
Radial #7	<input type="text" value="216"/>	<input type="text" value="216"/>	<input type="text" value="30"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="1.146"/>	<input type="text" value="100.00"/>	<input type="text" value="0.25"/>
Radial #8	<input type="text" value="218"/>	<input type="text" value="216"/>	<input type="text" value="30"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="1.235"/>	<input type="text" value="100.00"/>	<input type="text" value="0.25"/>

RALFLD

Wellsite Calibration: C:\case\calver\RALFLD\495O17 fld.cal

WELLSITE CALIBRATION SUMMARY

DATE/TIME PERFORMED: Thu Oct 17 11:39:28 2013 TOOL SERIES: 1426XA ASSET: 495 SEQ: O17

Tool Delay [usec] Casing OD in Casing Wt lbm/ft Casing ID in

RECEIVER	Zero Gate Start [usec]	Zero Gate Width [usec]	Zero Amp. [mV]	Full Amp. [mV]	Wellsite Factor	Amp. Ref [mV]
CAL Pulse	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="-0.097"/>	<input type="text" value="0.000"/>	<input type="text" value="1.01"/>	<input type="text" value="100.000"/>
3 Ft. Receiver	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="1.968"/>			
5 Ft. Receiver	<input type="text" value="305"/>	<input type="text" value="25"/>	<input type="text" value="3.643"/>			
Radial #1	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="1.947"/>			
Radial #2	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="1.954"/>			
Radial #3	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="1.924"/>			
Radial #4	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="2.061"/>			
Radial #5	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="1.957"/>			
Radial #6	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="2.156"/>			
Radial #7	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="2.127"/>			
Radial #8	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="1.930"/>			

GAMMA RAY

Calibration File: C:\case\calver\GR\457O5.cal

CALIBRATION SUMMARY

DATE/TIME PERFORMED: Tue Oct 15 14:28:35 2013 TOOL SERIES: 1355XA ASSET: 457 SEQ: 05

Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
S2K WA612	87.82	349.29	0.708	62.14	247.14	185.00

Verification File: C:\case\calver\GR\457O5.VP

PRIMARY LOG VERIFICATION

DATE/TIME PERFORMED: Tue Oct 15 14:30:09 2013 TOOL SERIES: 1355XA ASSET: 457 SEQ: 05

Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
S2K WA612	86.44	352.31	0.708	61.16	249.28	188.11

TOOL DIAGRAM

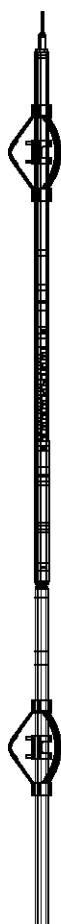
OTA SHORT CABLE HEAD

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



	21.81'
XMIT	15.62'
NEAR RCVR	12.54'
FAR RCVR	10.62'
CCL	8.92'
GR	7.06'

NEU 1.67'
0.00'

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

<div> BAKER HUGHES</div> <div>Baker Atlas</div> <div></div>	Company	WPX ENERGY			File No:	CH091513
	Well	SAVAGE RWF 534-25				
	Field	RULISON			API No:	05045219940000
	County	GARFIELD	State	COLORADO		
	Location				Elevations	
	SHL: 1117' FSL x 1391' FEL				KB	6260 ft
	BHL: 219' FSL x 1824' FEL (SWSE)				DF	
					GL	6234 ft
	SEC	25	TWP	6 S	RGE	94W
						25 6S 94W
						RWF 43-25 PAD
						NABORS 577