



RADIAL ANALYSIS BOND LOG

Baker Atlas

File No:	Company	WPX ENERGY
CH083306	Well	FEDERAL RU 21-5
API No:	Field	RULISON
05045217770000	County	GARFIELD
	State	CO

5 7S 93W RU 23-5 PAD MABORS 576	Location SHL: 199' FNL & 2597' FWL BHL: 192' FNL & 2017' FWL	Other Services RPM
SEC 5	TWP 7S	RGE 93W

Permanent Datum	GL	Elevation	7602 ft	Elevations
Log Measured From	KB	26 ft	Above P. D.	KB 7628 ft DF
Drill Measured From	KB			GL 7602 ft

Date	29/MAR/14	
Run	ONE	
Service Order	US625368	
Depth Driller	9971 ft	
Depth Logger	9953 ft	
Bottom Logged Interval	9943 ft	
Top Logged Interval	26 ft	
Time Started	8:00	
Time Finished	12:00	
Operator Rig Time	4 HOURS	
Type of Fluid in Hole	WATER	
Fluid Density	NA	
Salinity	NA	
Fluid Level	76 ft	
Logged Cement Top	NA	
Wellhead Pressure	0 psi	
Maximum Hole Deviation	NA	
Nominal Logging Speed	65 fpm	
Maximum Recorded Temperature	244 degF	
Reference Log	NA	
Reference Log Date	NA	
Equipment No.	4271	GRAND JCT.
Recorded By	NEWELL	
Witnessed By	JEFF DUCY	

- 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	0 ft	1103 ft
8.75 In	1103 ft	10033 ft

Casing Record				
Size	Weight	Grade	From	To
9.625 In			0 ft	1103 ft
4.5 In	11.6 lbm/ft	P-110	0 ft	10033 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 10 feet.
Logged with zero PSI at wellhead.
BHT = 244 °F

Equipment Data					
Run	Trip	Tool	Series Number	Serial Number	Position
1	1	CBL	1426XA	10218496	CENTRALIZED
1	1	GR/CCL	2459XA	10417456	CENTRALIZED

PRIMARY PRESENTATION
0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	36.405	9954.250
RAL	Amp Gate Start Near	195.000	usec	36.405	9954.250
RAL	Amp Gate Start Radial	195.000	usec	36.405	9954.250
RAL	Amp Gate Width Far	25.000	usec	36.405	9954.250
RAL	Amp Gate Width Near	25.000	usec	36.405	9954.250
RAL	Amp Gate Width Radial	25.000	usec	36.405	9954.250
RAL	casing od	4.500	inches	36.405	9954.250
RAL	casing wt	11.600	lbm/ft	36.405	9954.250
RAL	FB Start Far	291.900	usec	36.405	9954.250
RAL	FB Start Near	175.391	usec	36.405	9954.250
RAL	FB Start Radial	175.391	usec	36.405	9954.250
RAL	FB Thresh Far	10.000	mv	36.405	9954.250
RAL	FB Thresh Near	4.000	mv	36.405	9954.250
RAL	FB Thresh Radial	4.000	mv	36.405	9954.250
RAL	Fluid Travel Time	200.000	usec/ft	36.405	9954.250

DEPTH OFFSETS
(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-16.750	ACAL	ANR	AR1	AR2	AR3	AR4
		AR5	AR6	AR7	ARB	CHV	FPR2
		EDP3	EDPE	EEZ	ETD4	ETD5	ETD7

1426XA -15.750
2459XA -11.340
2459XA -9.490
2459XA -4.090

FPR3	FPR3	TT3	TTR1	TTR2	TTR3
TTR4	TTR5	TTR6	TTR7	TTR8	XAMP
AFAR	SIG	TT5			
CCL					
GR					
NEU					

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

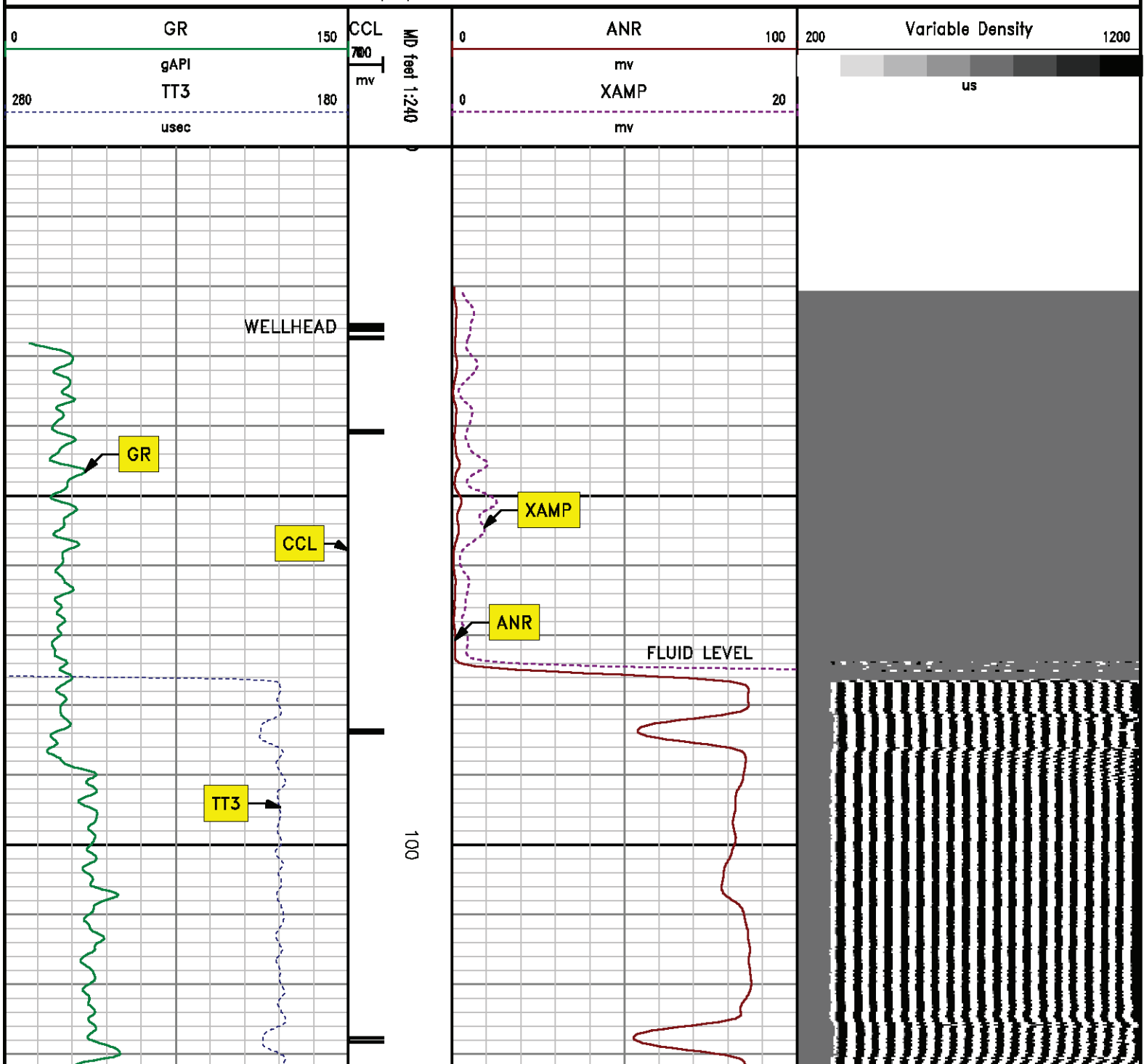
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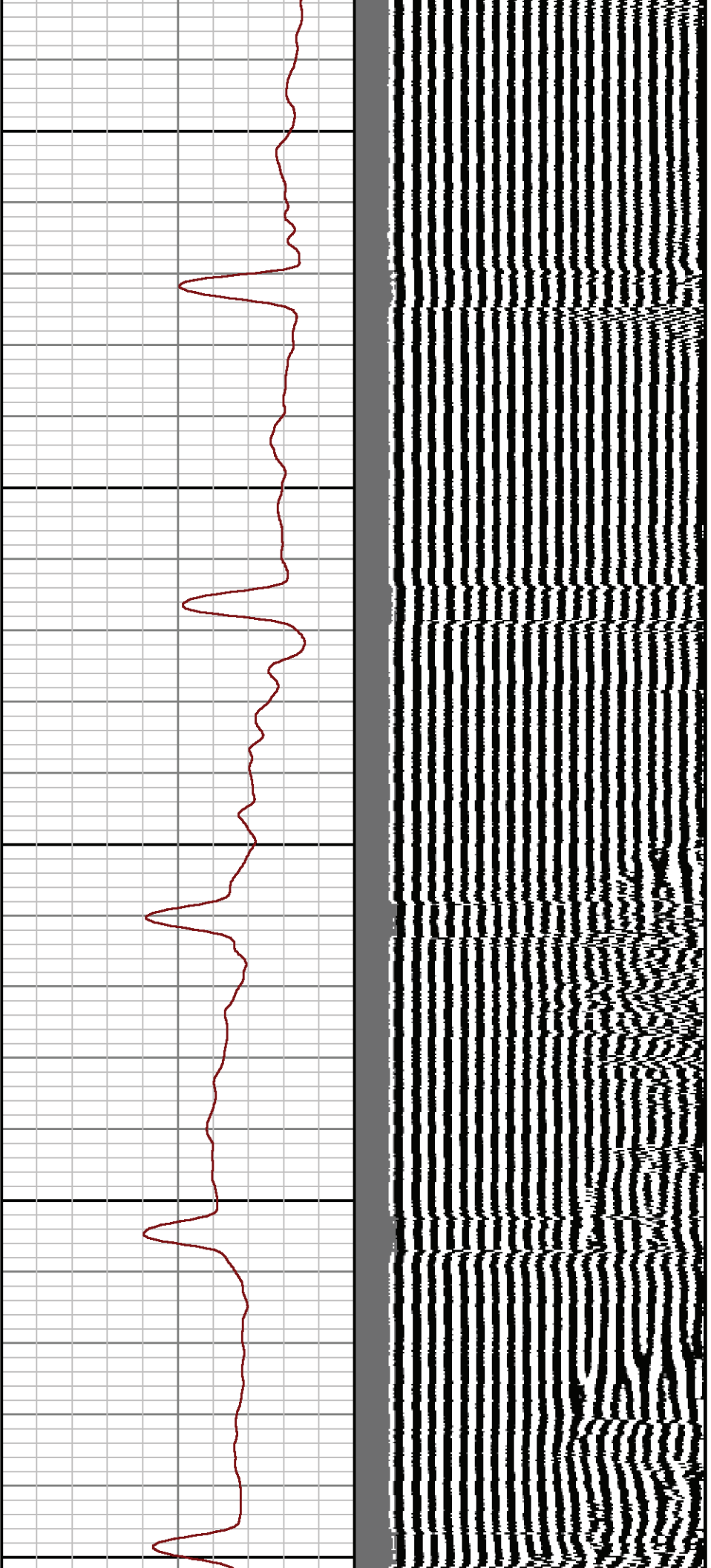
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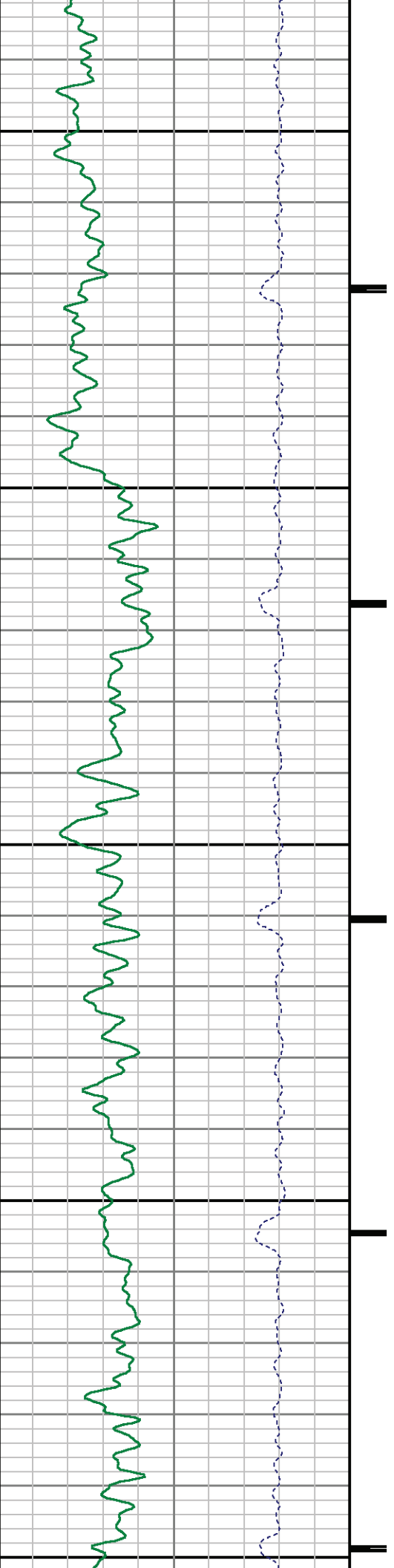
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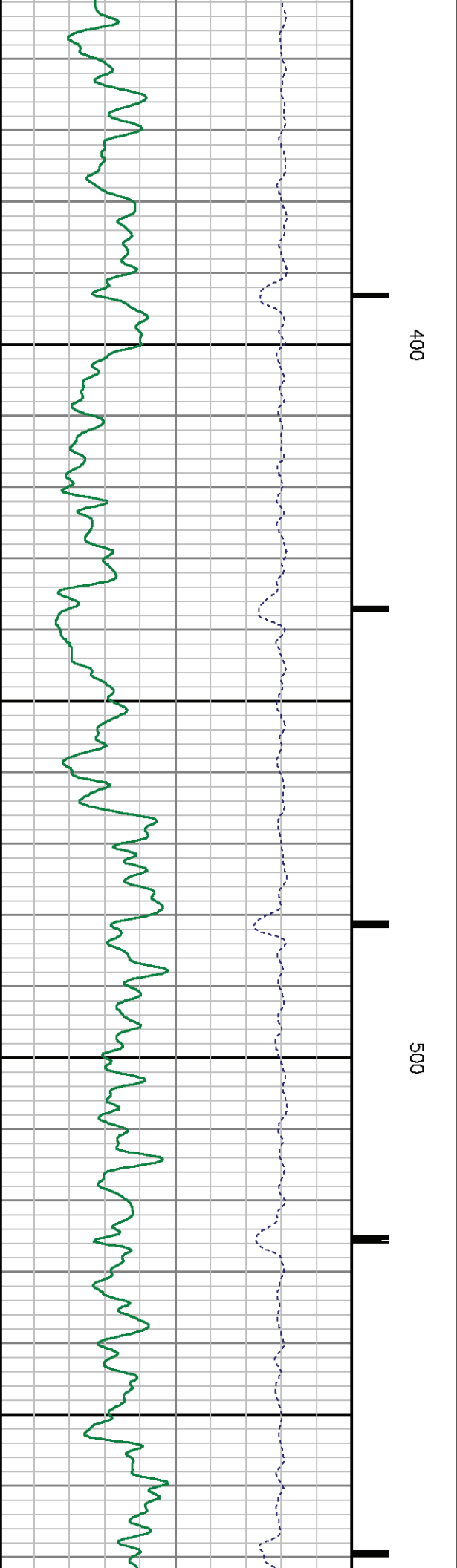
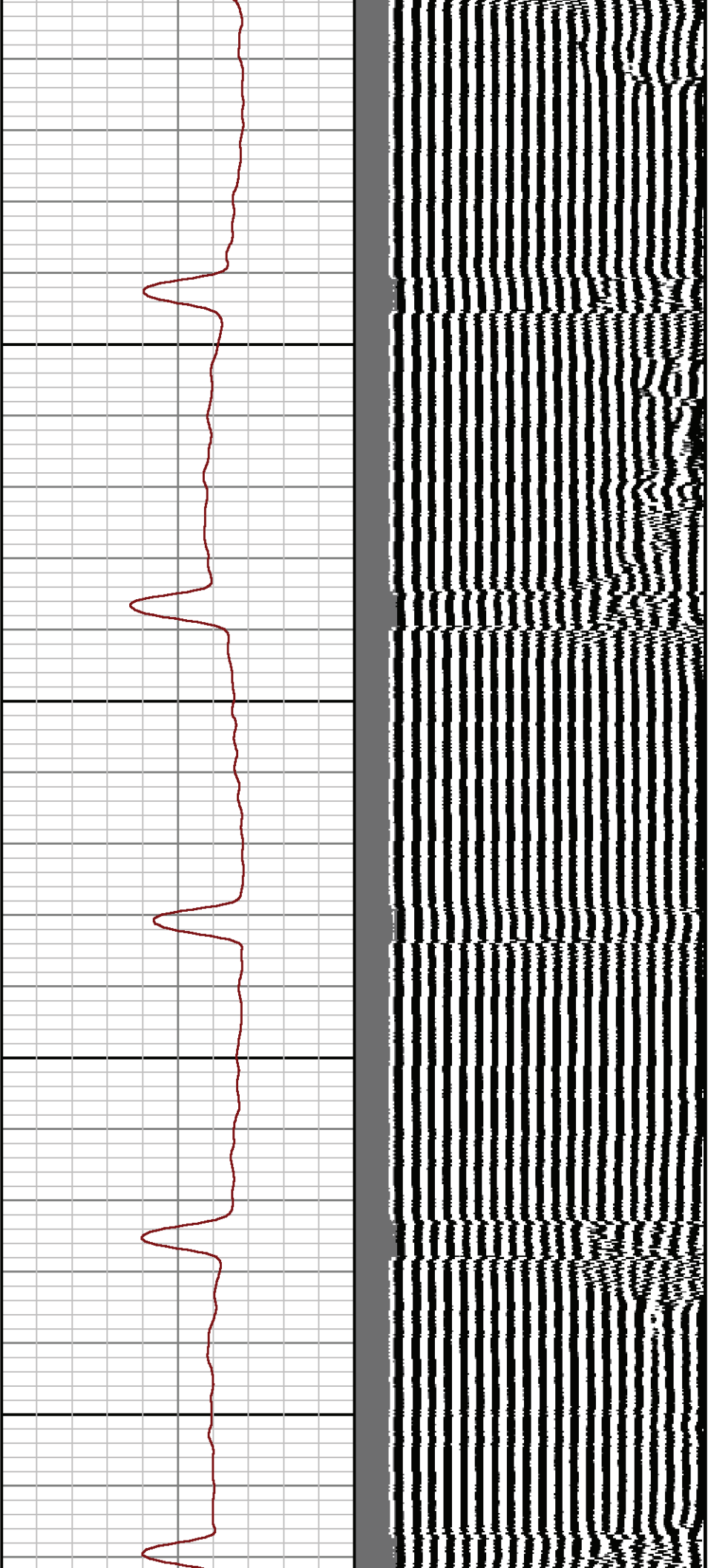


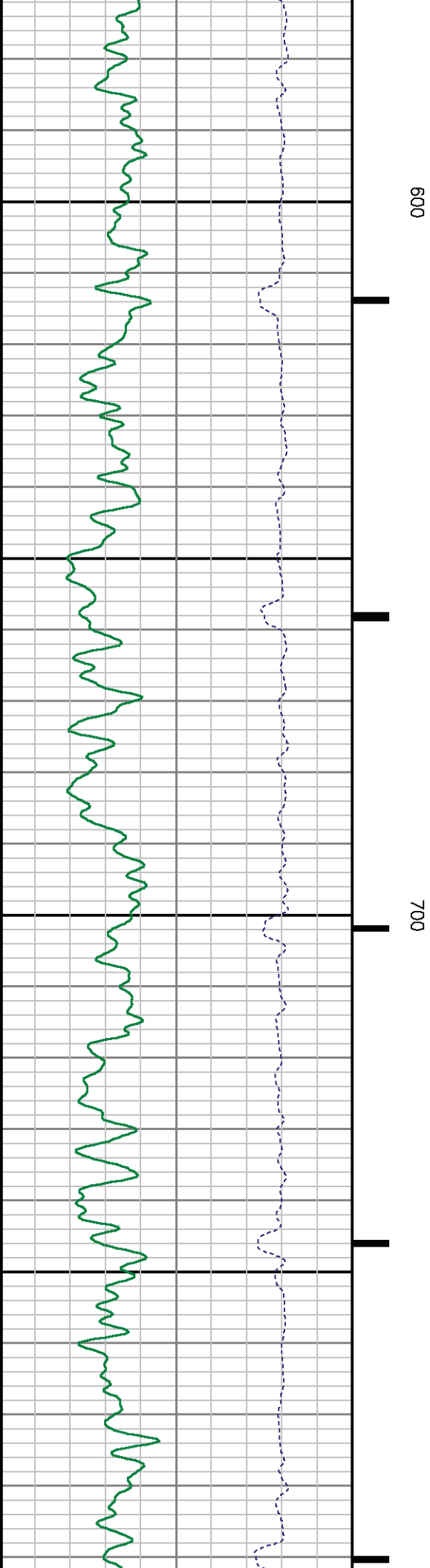
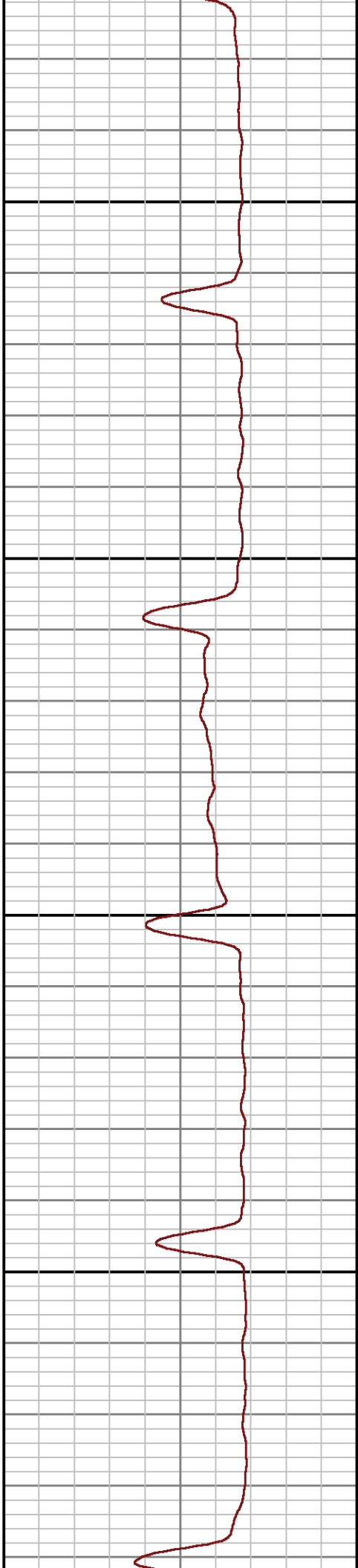
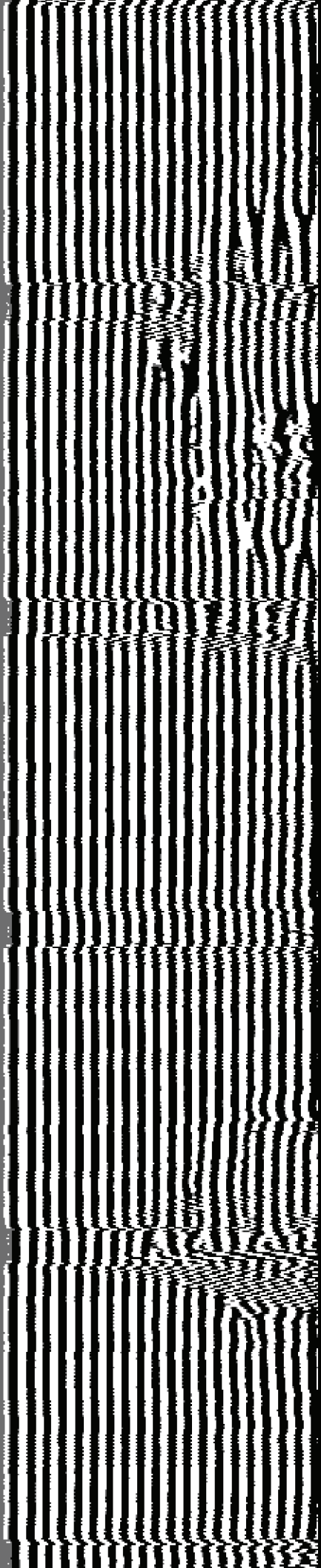


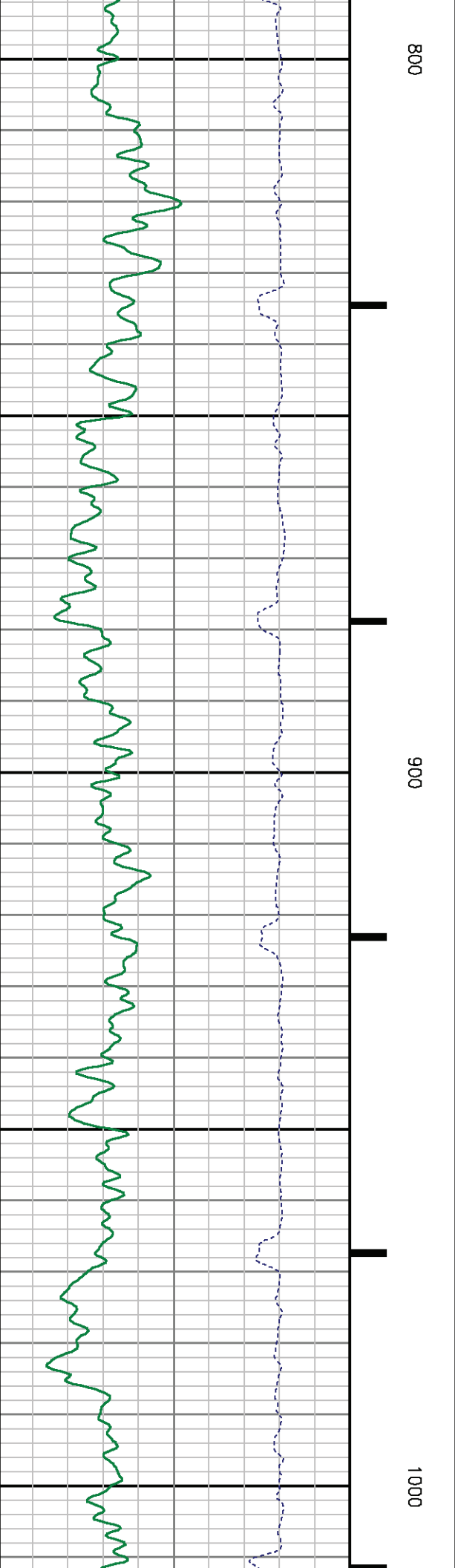
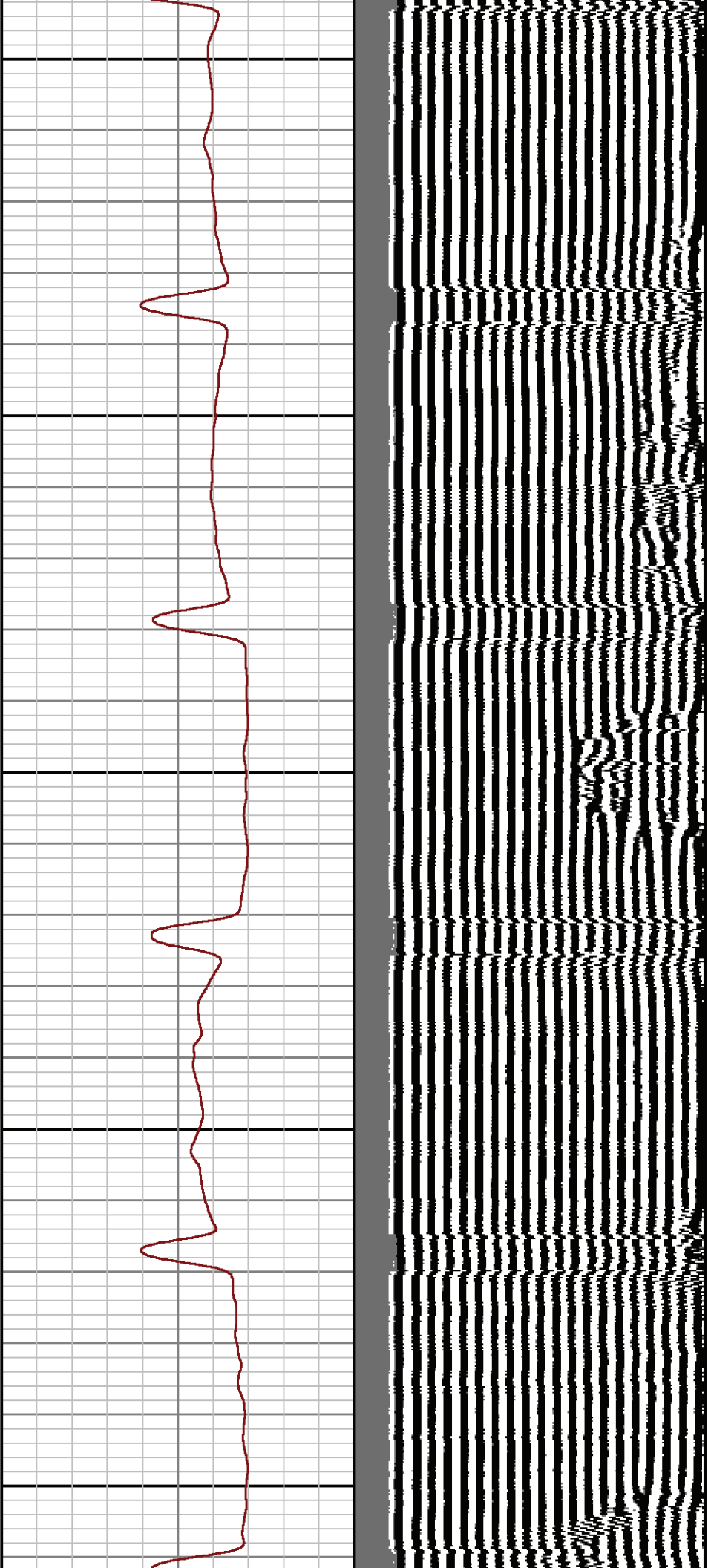
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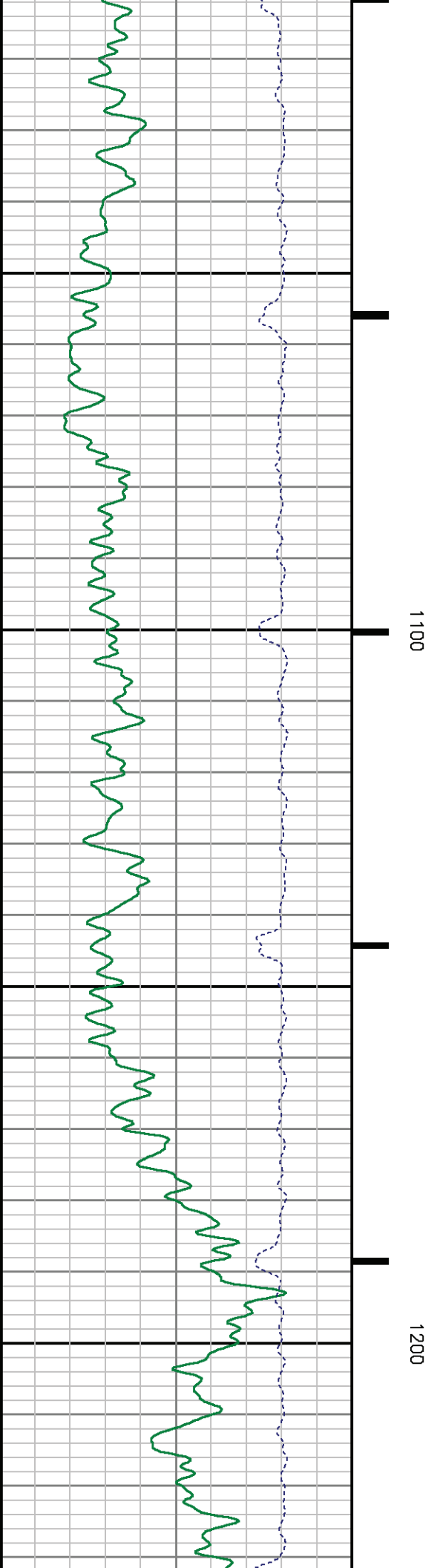
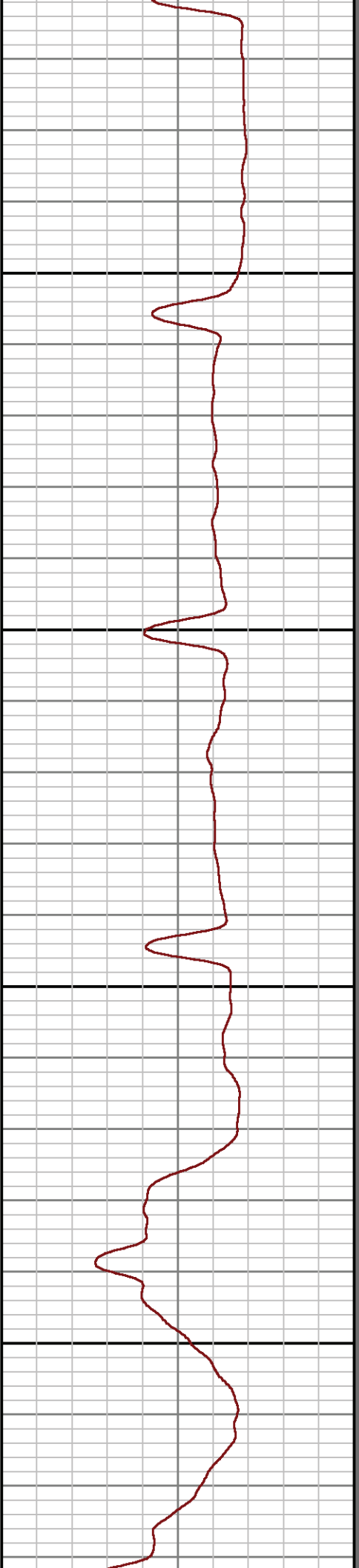
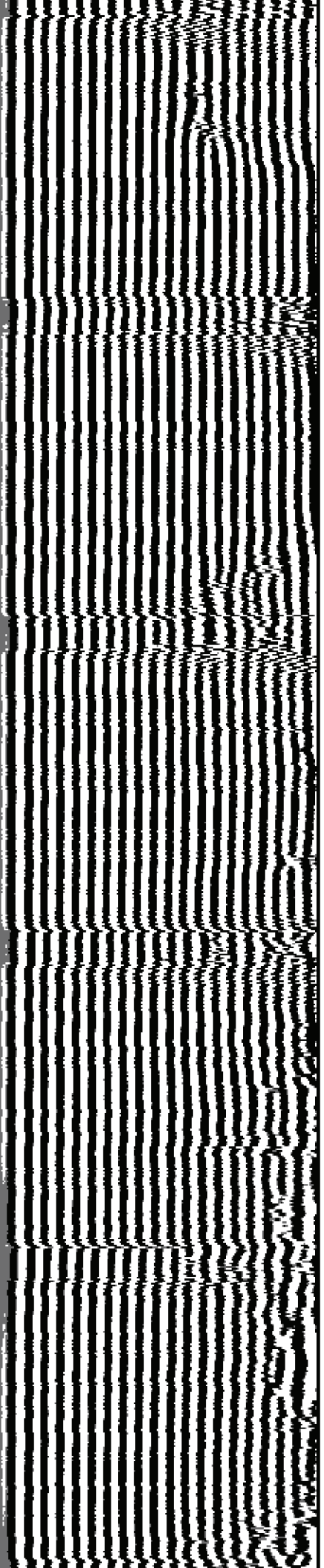
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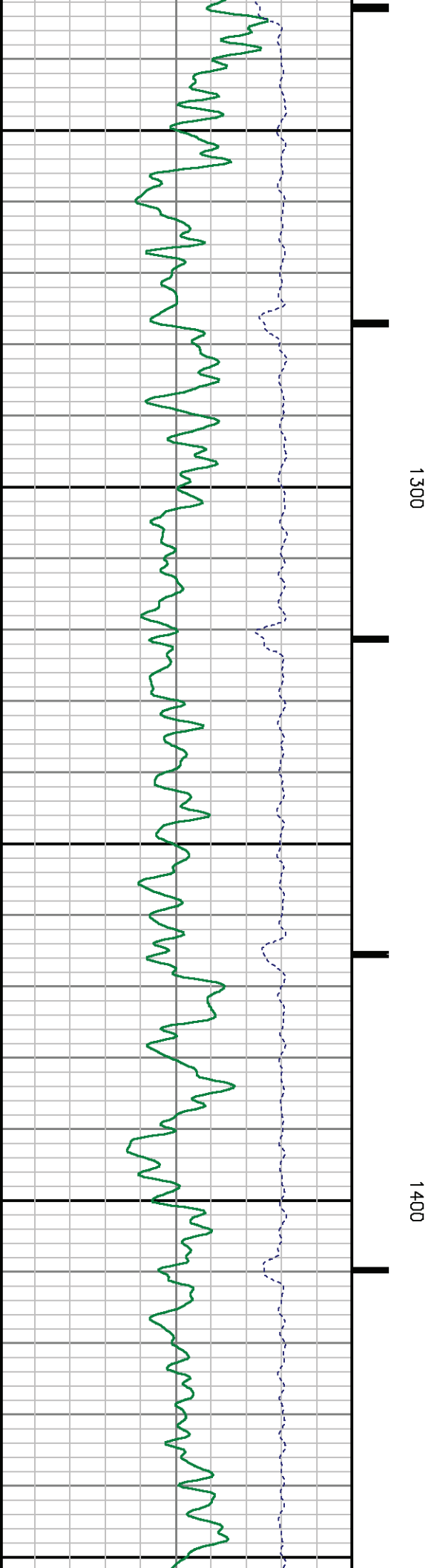
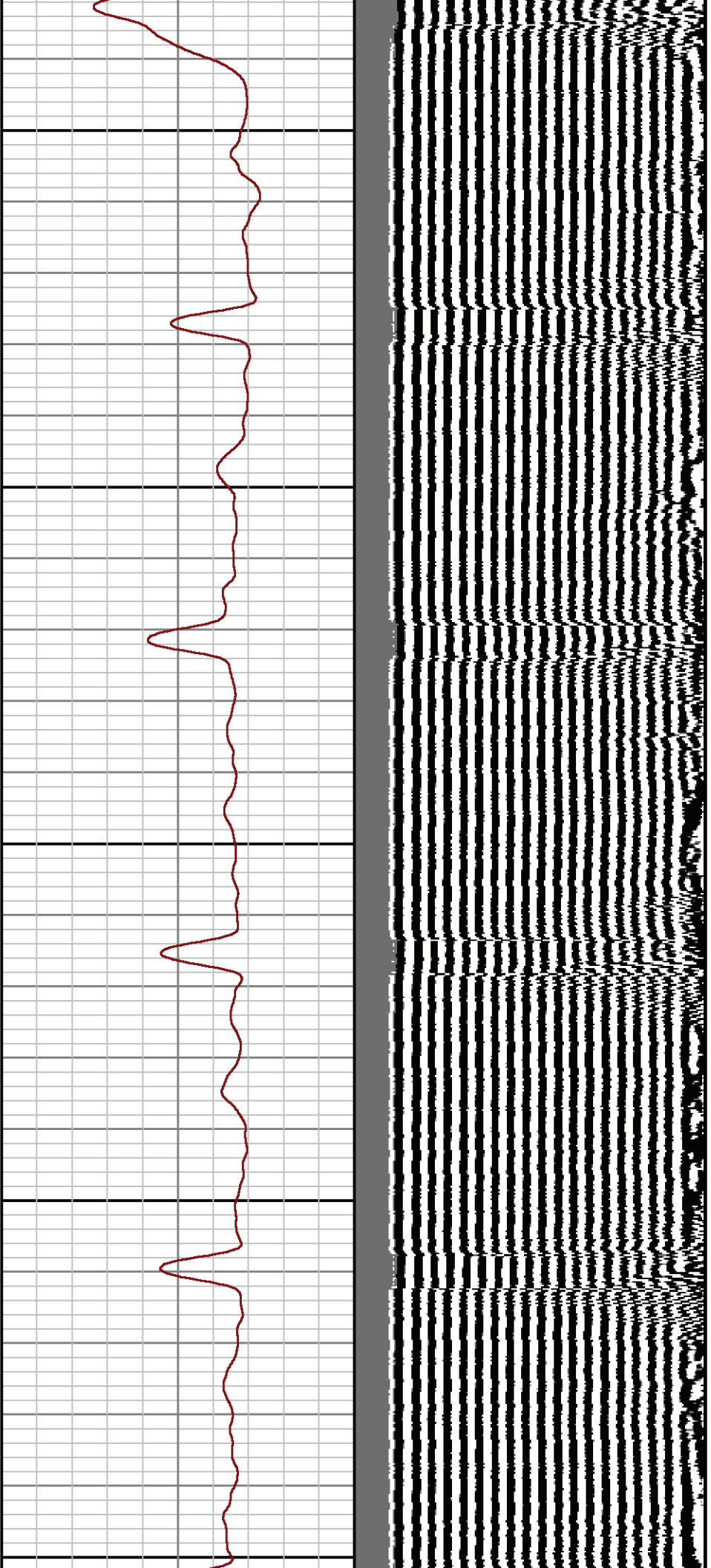


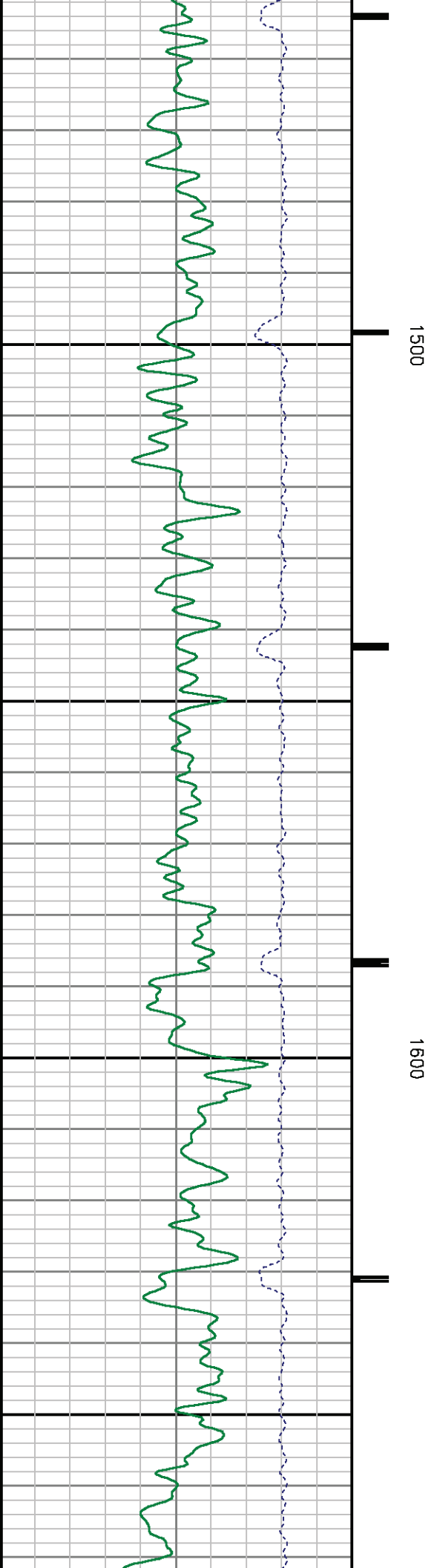
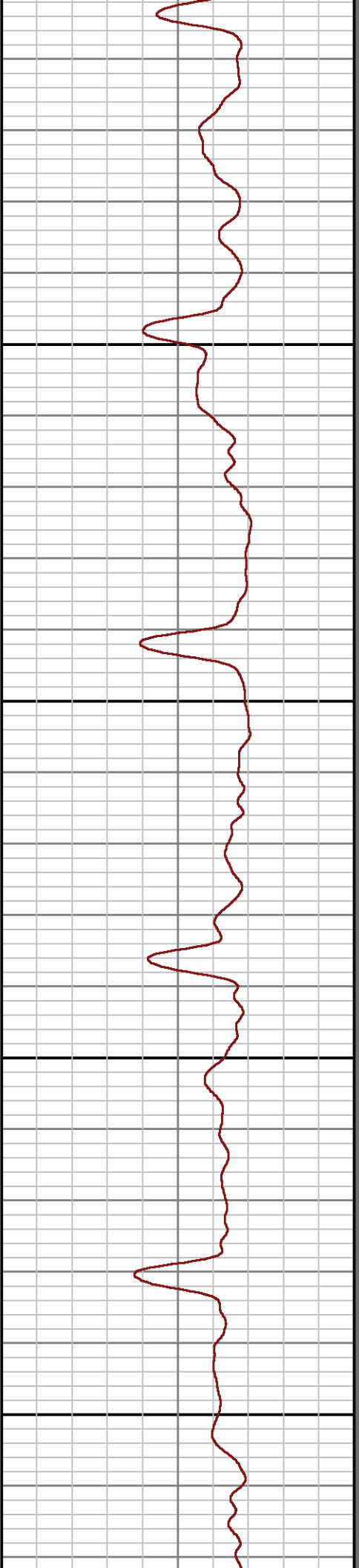
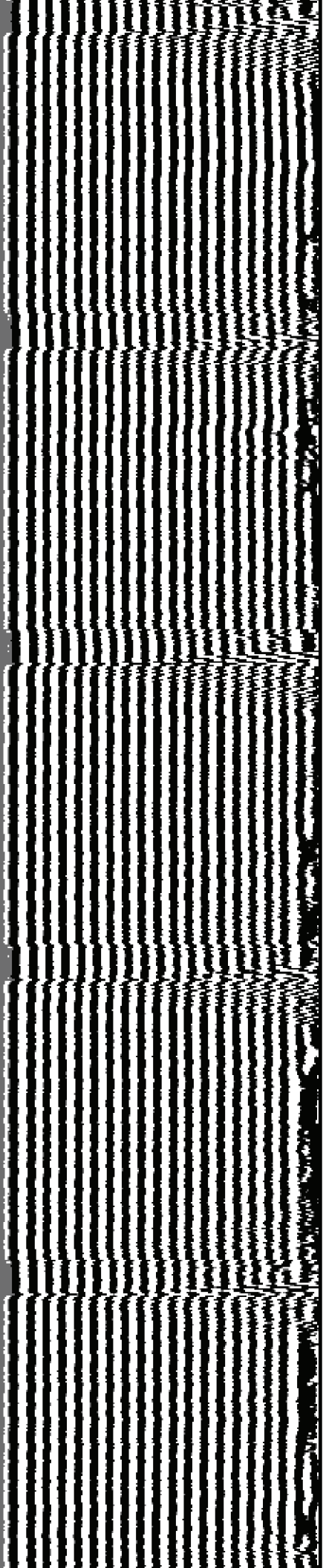


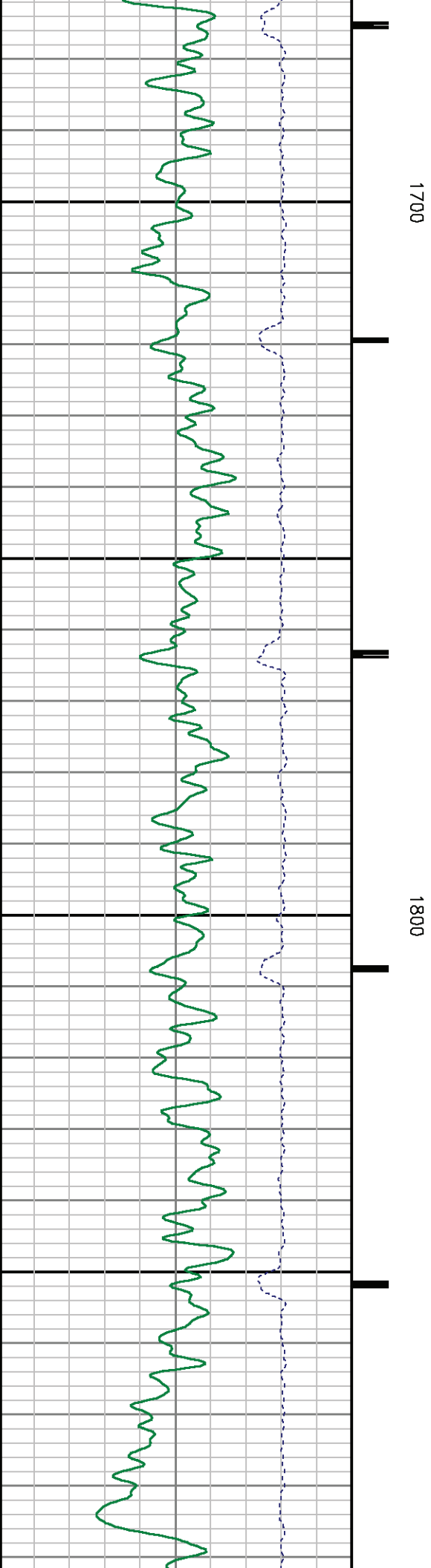
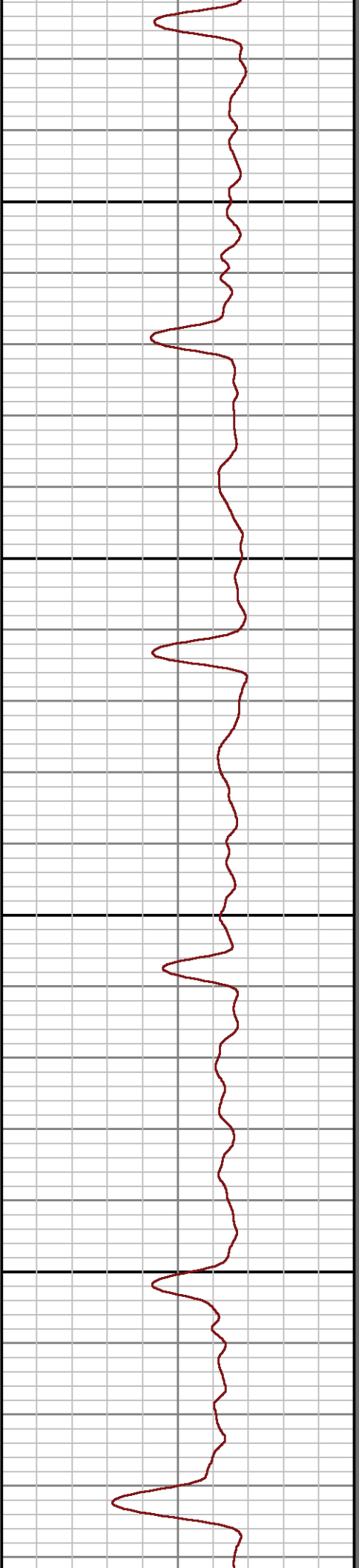
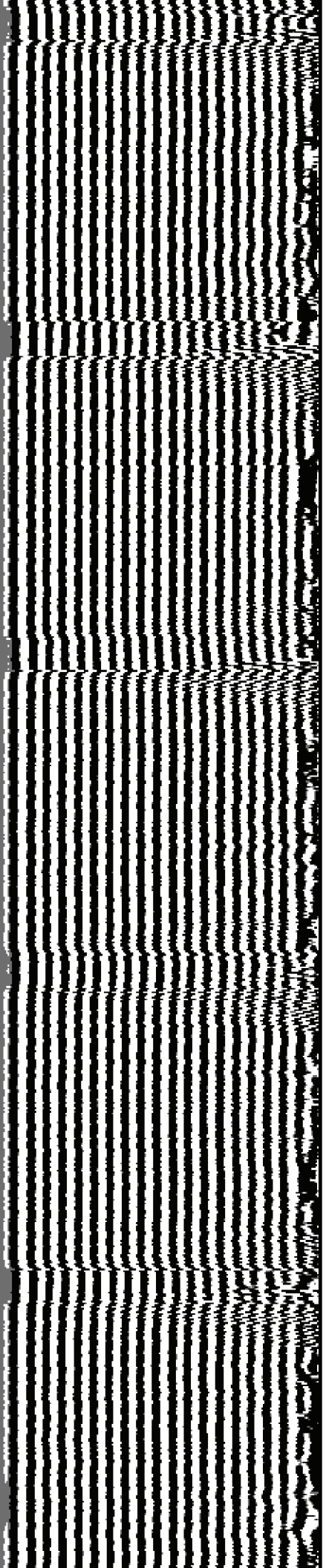


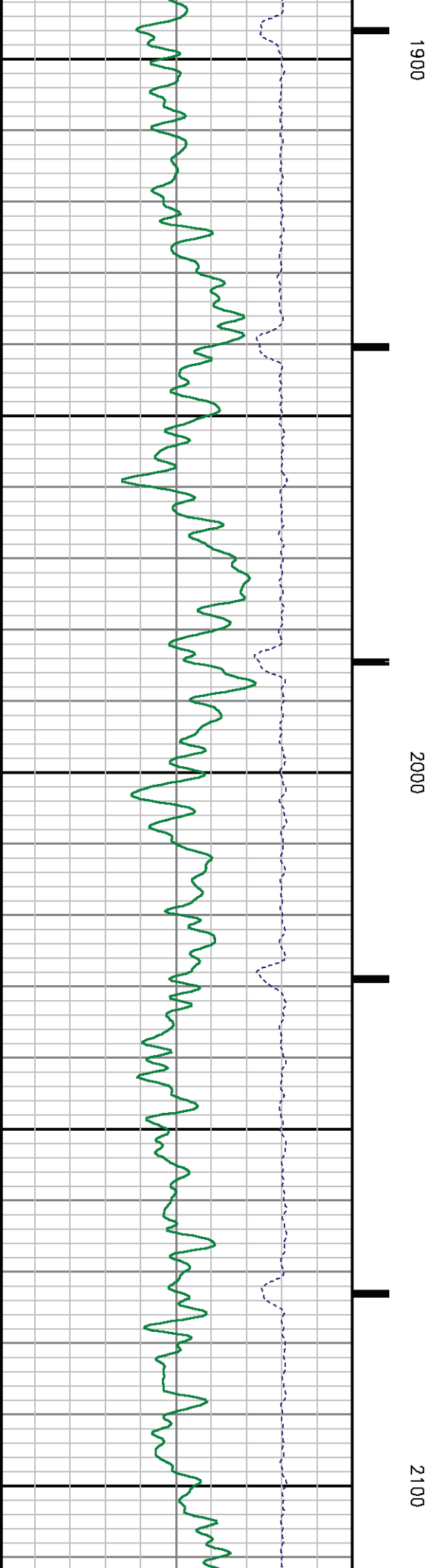
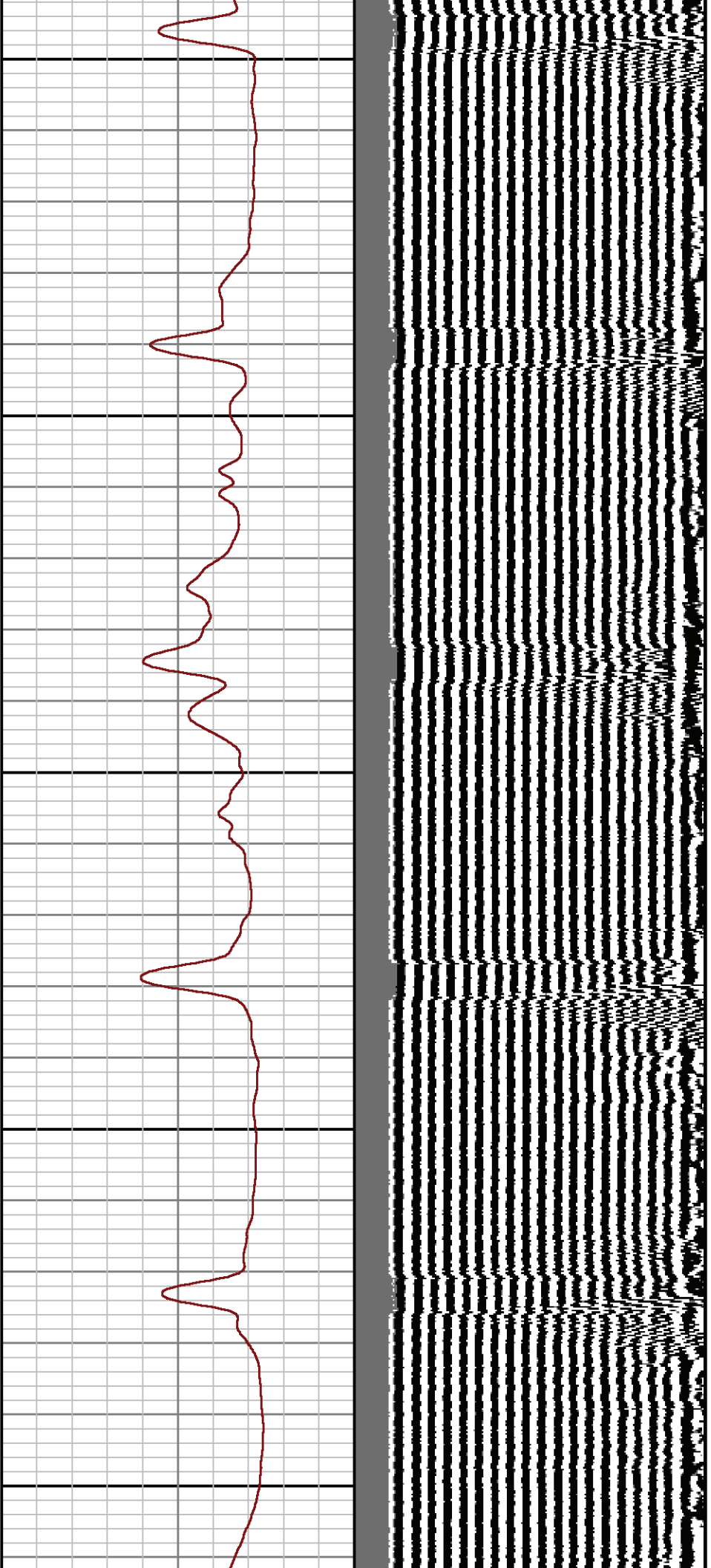


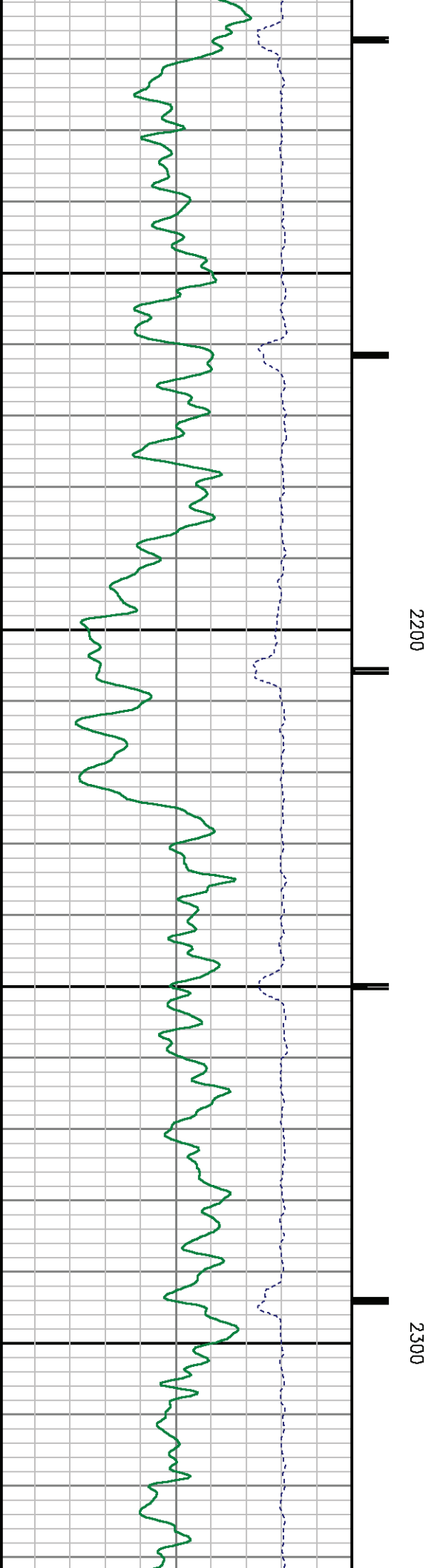
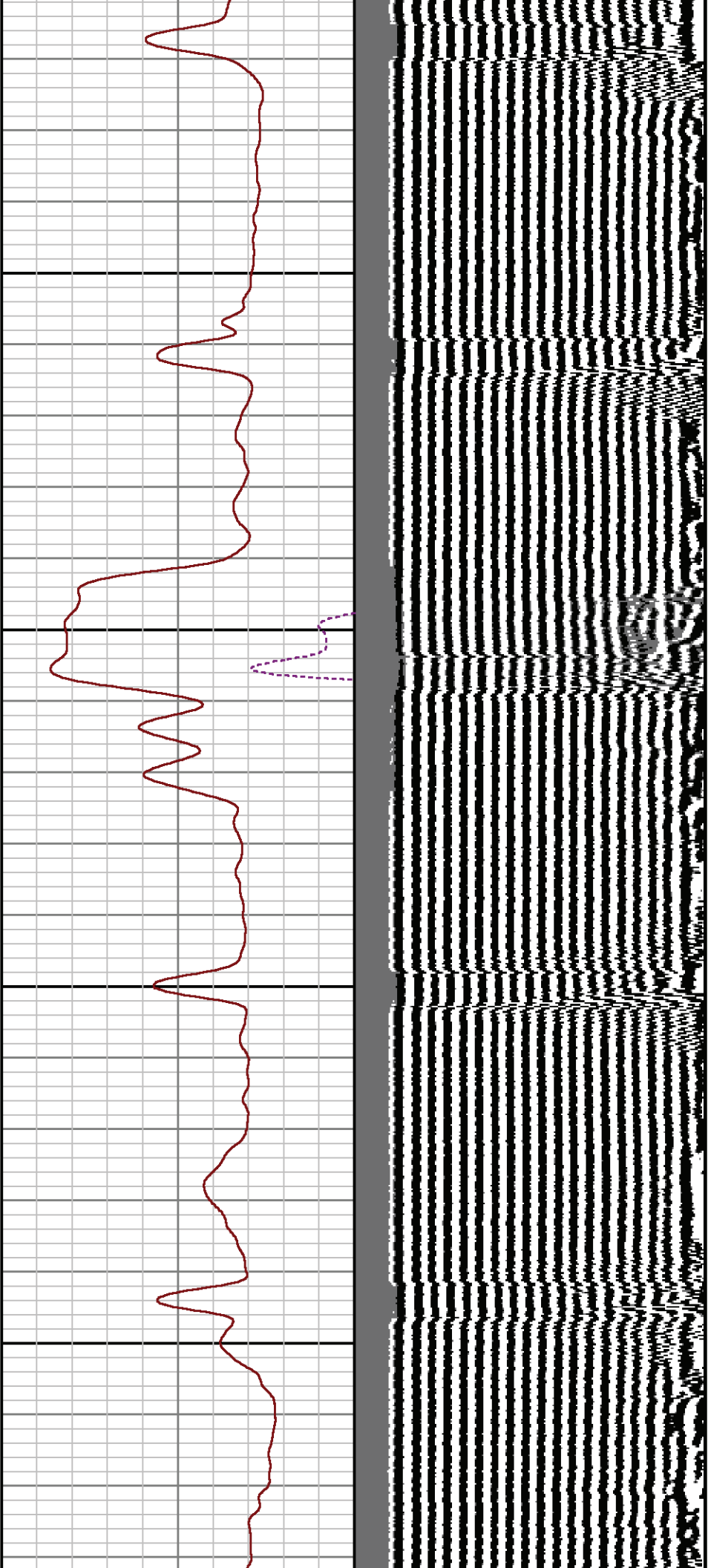


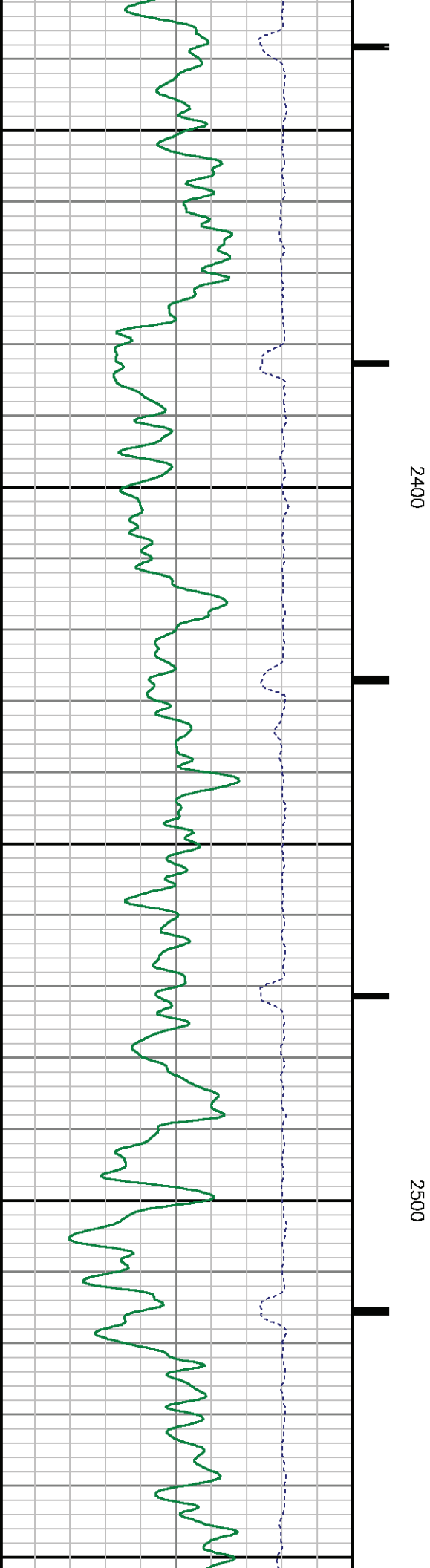
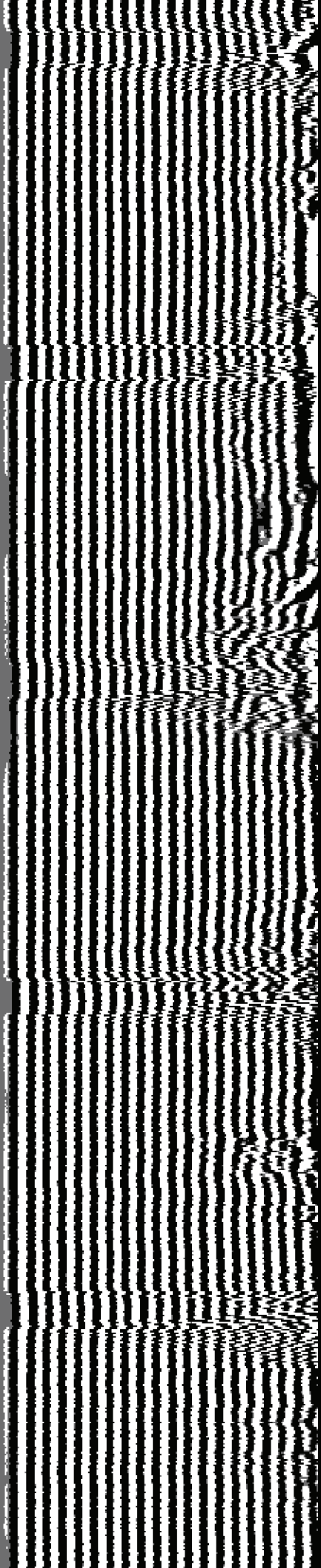


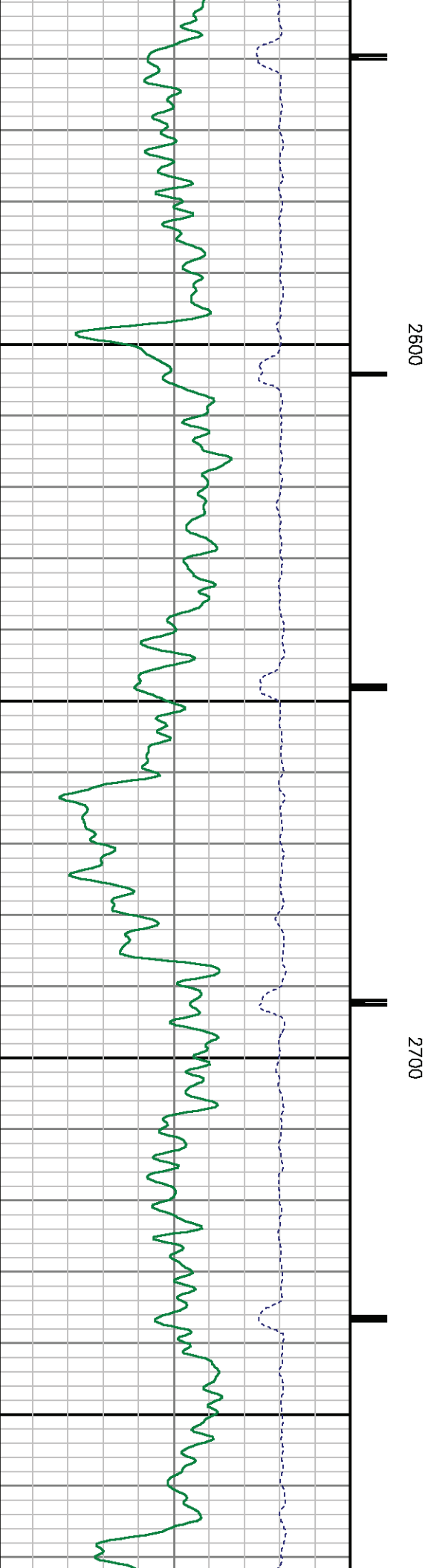
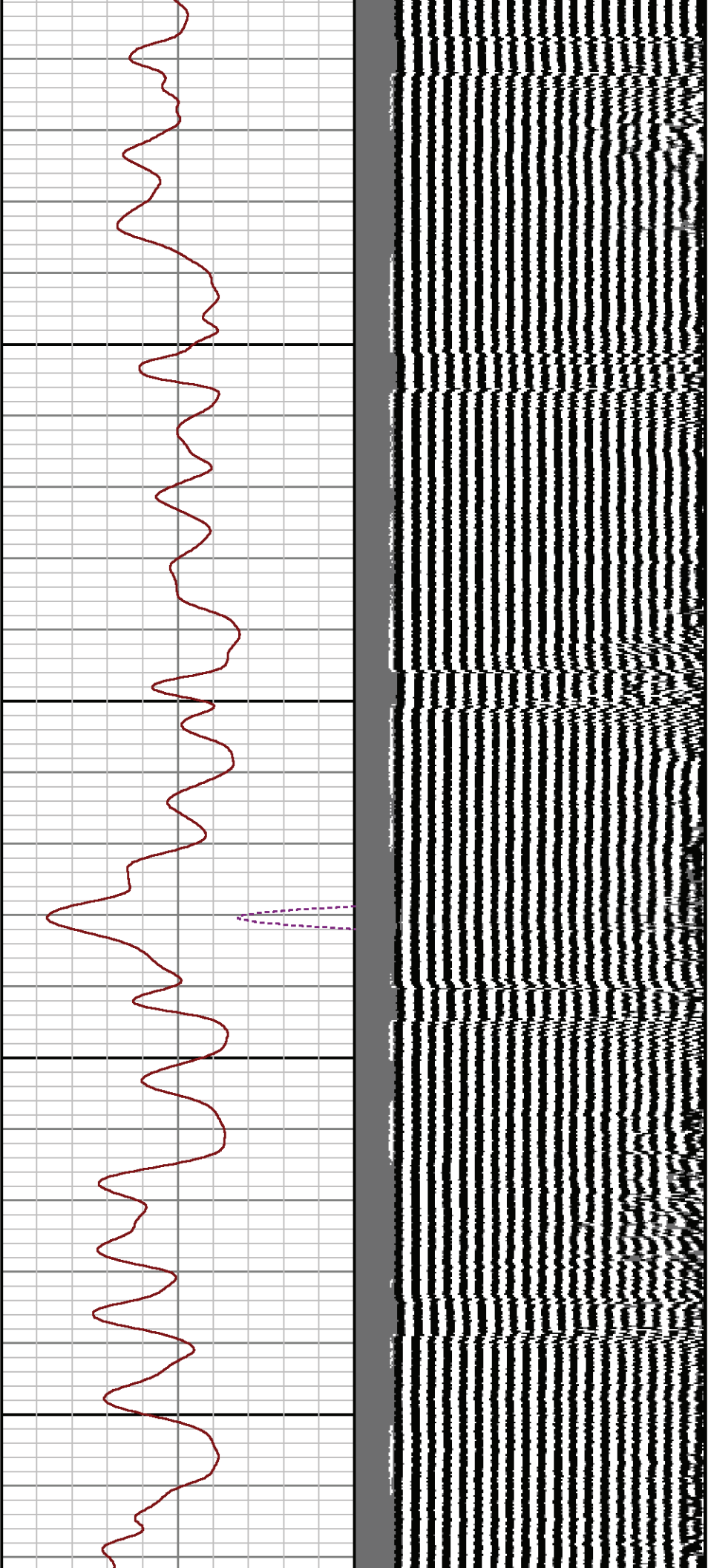


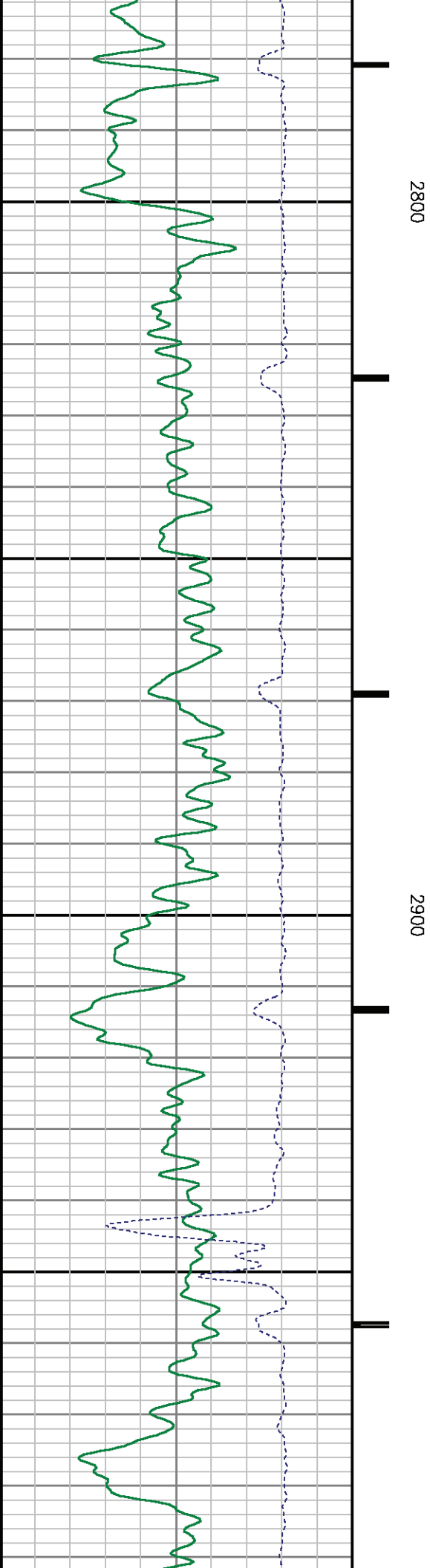
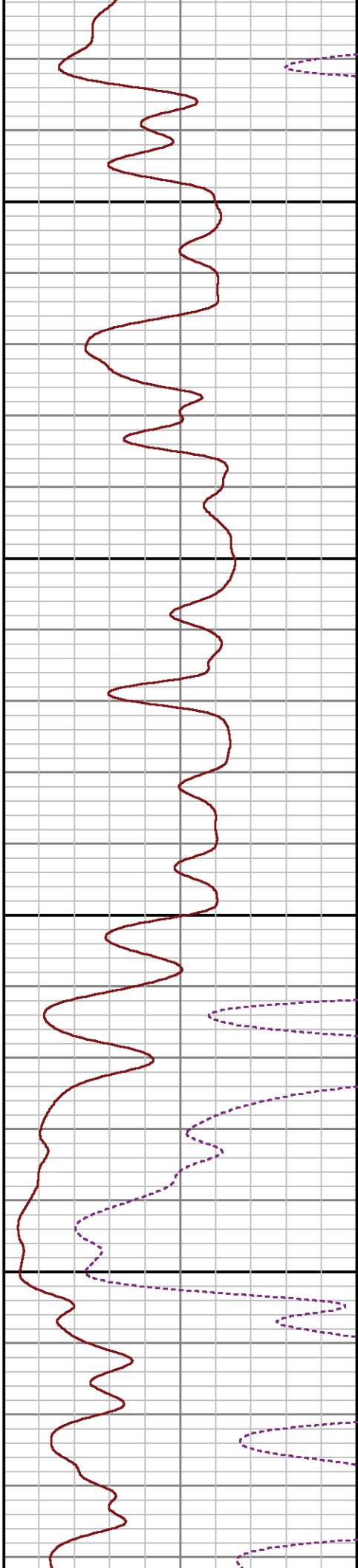
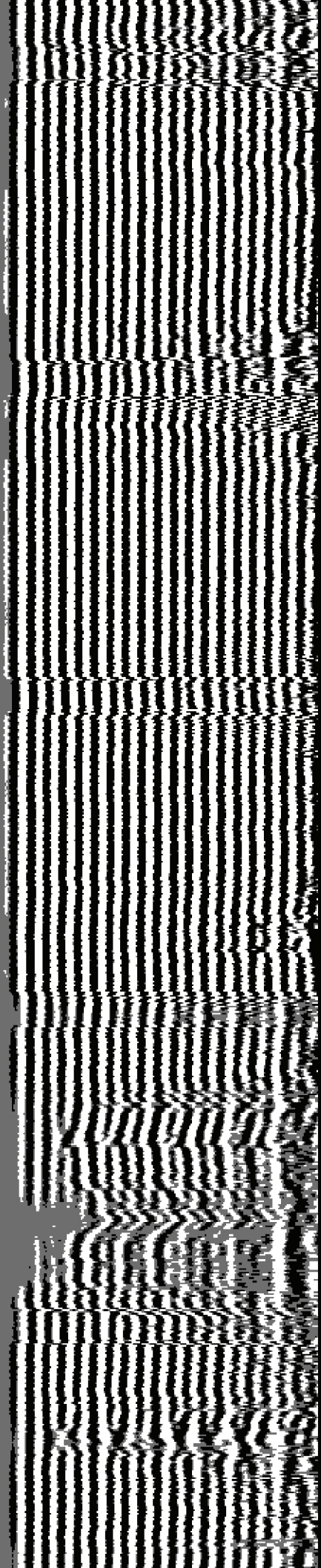


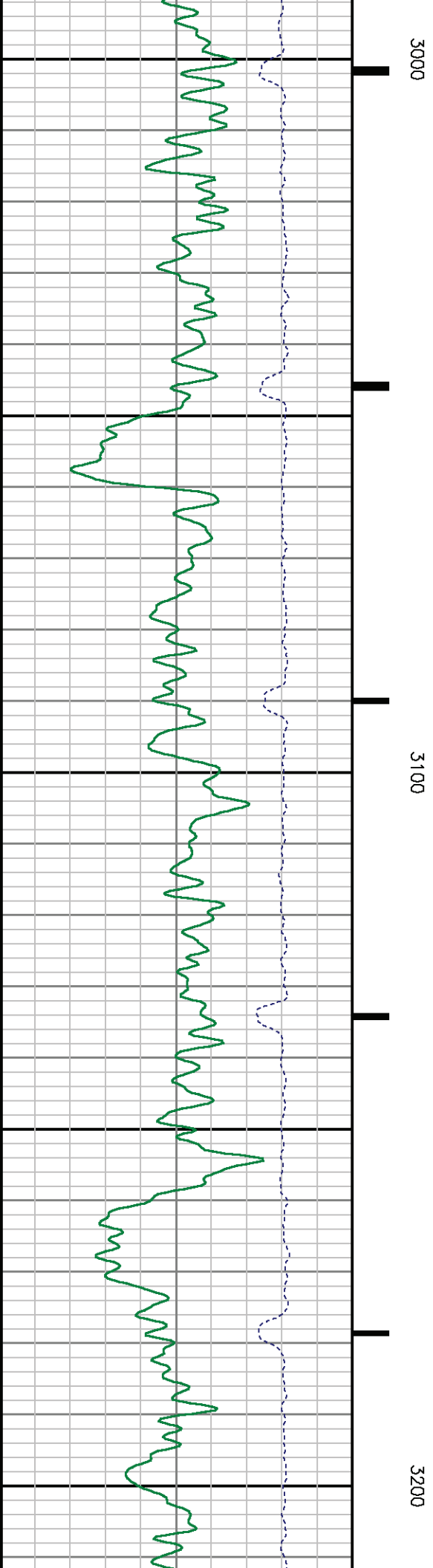
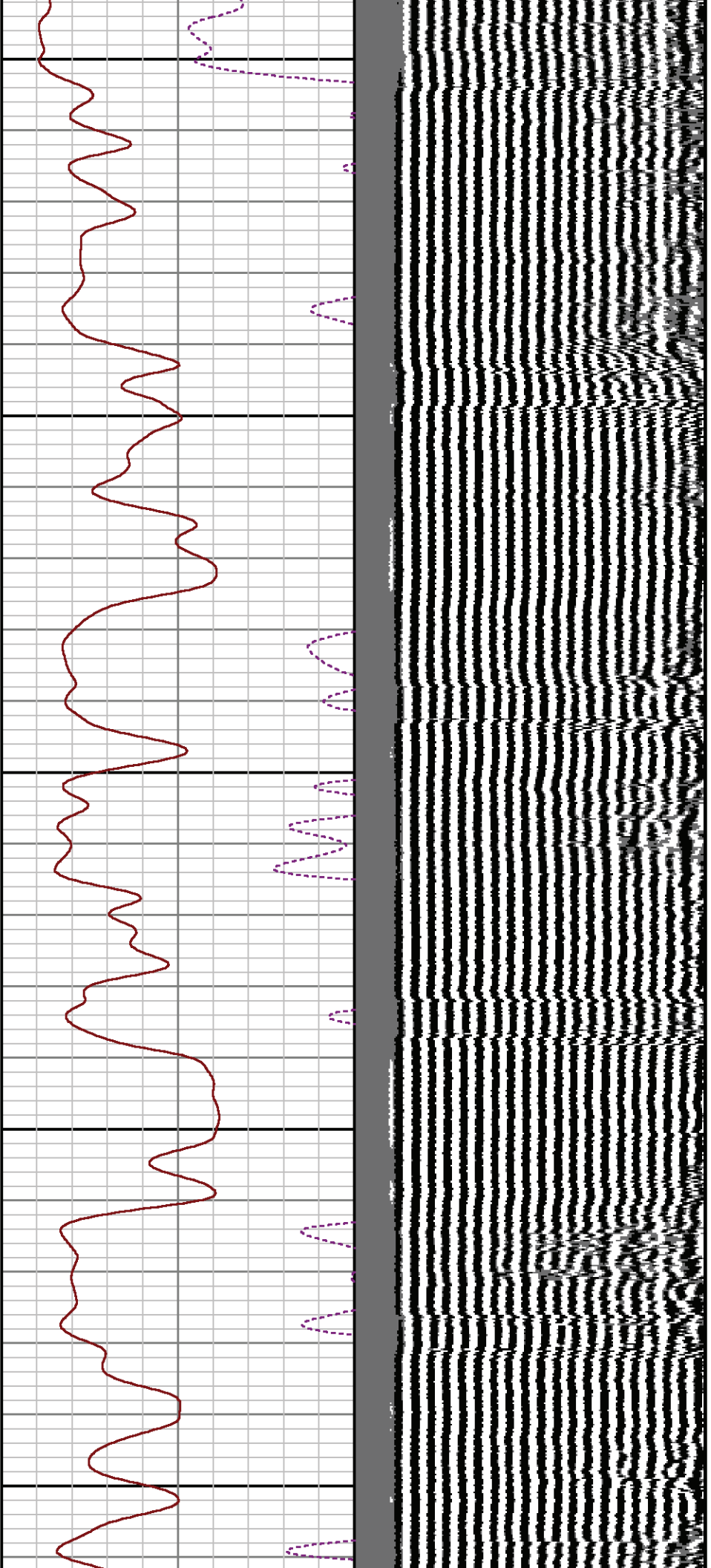


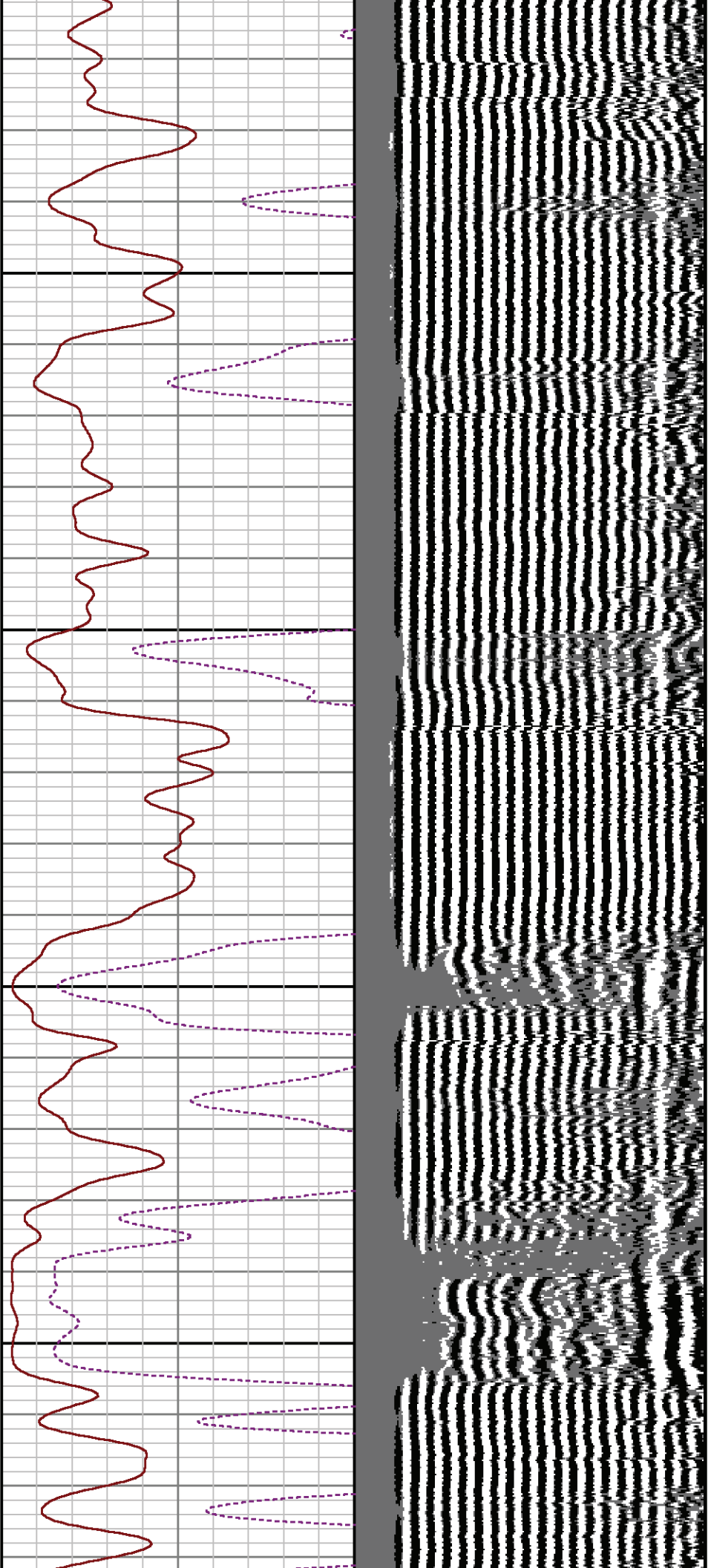






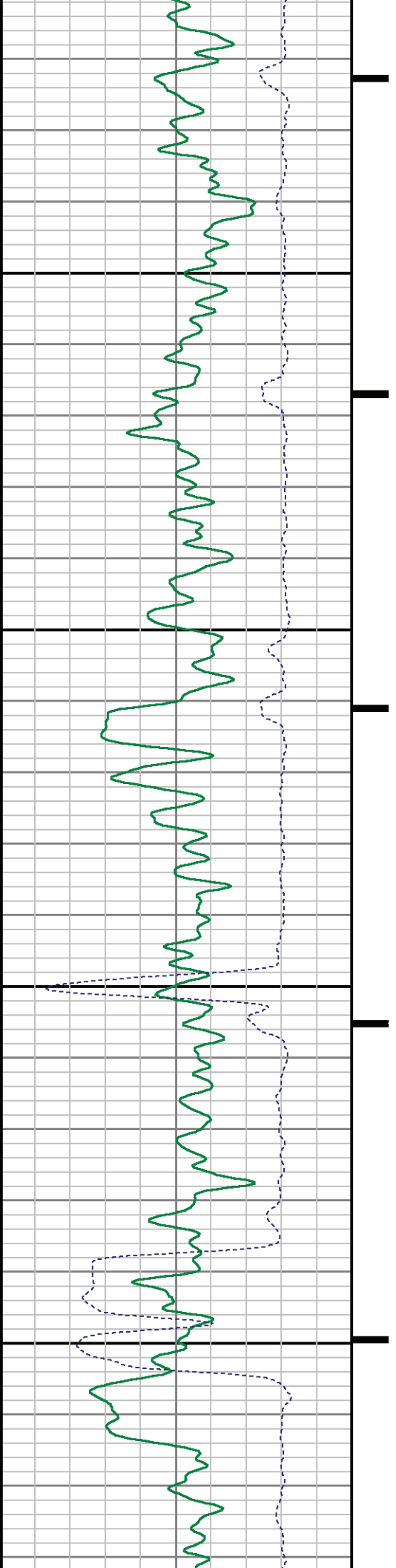


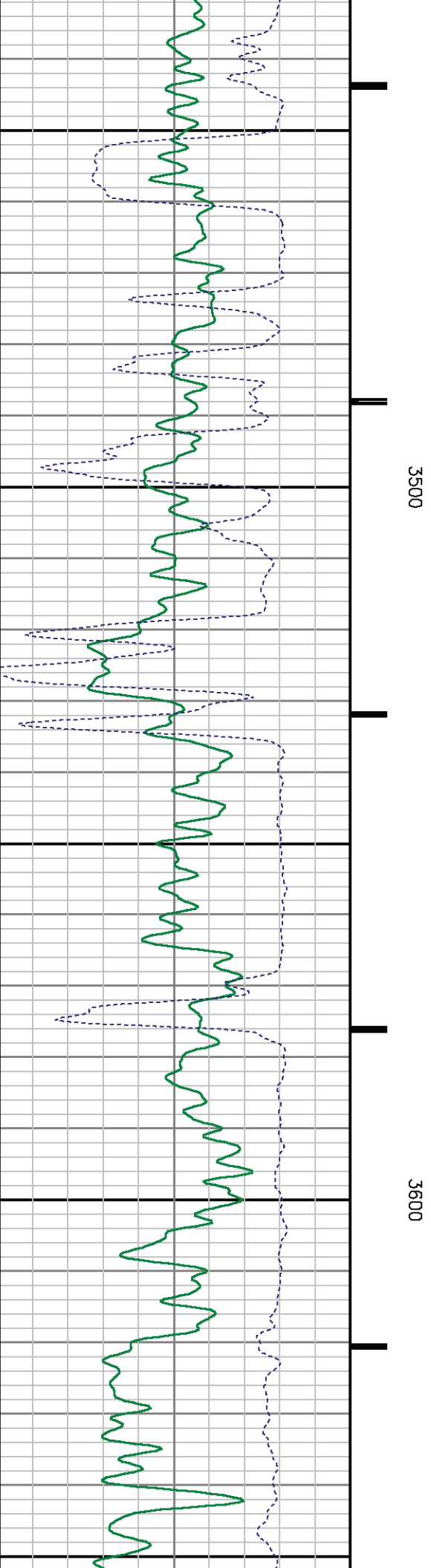
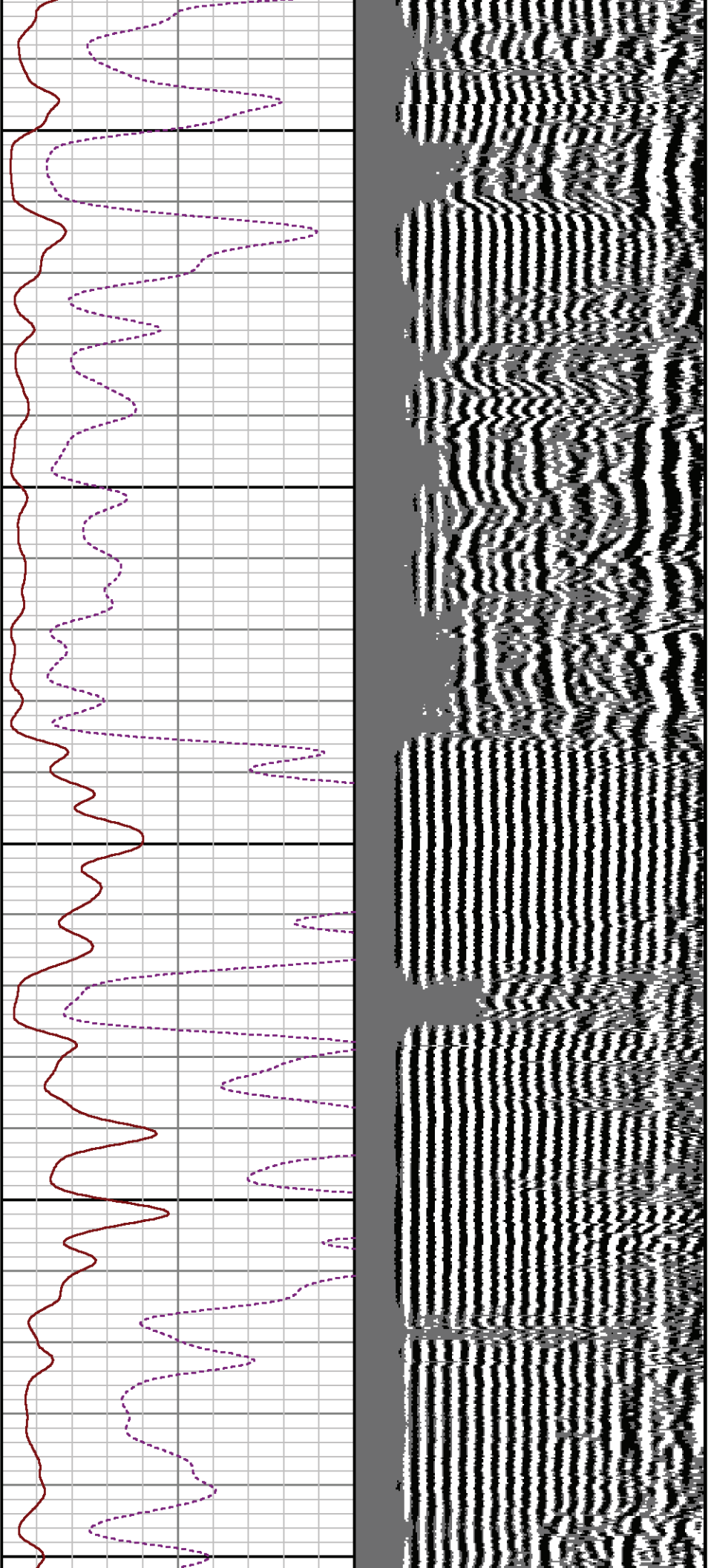


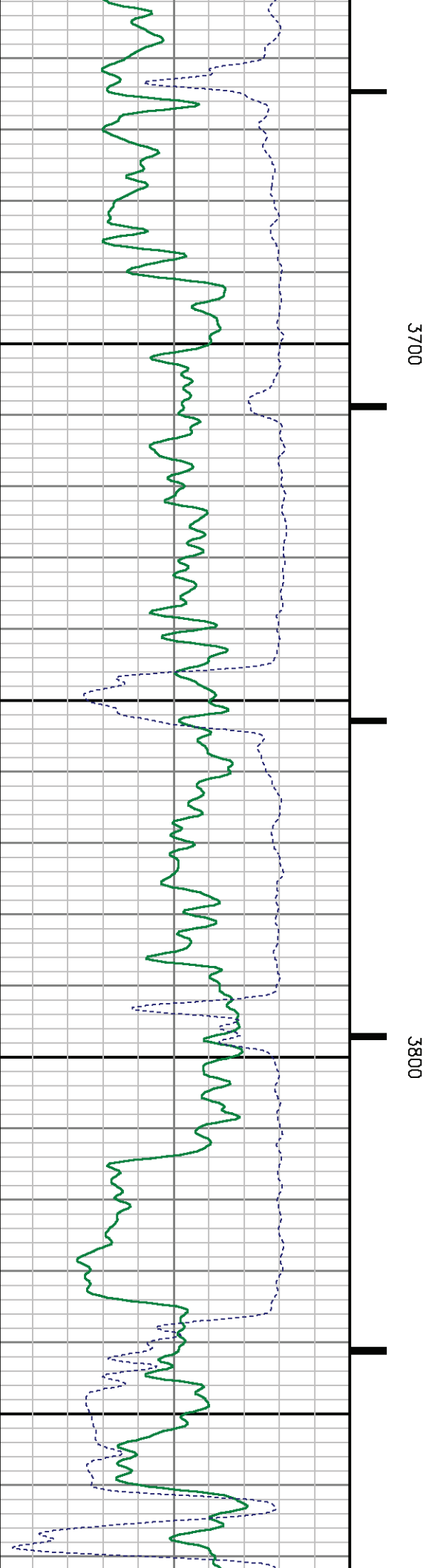
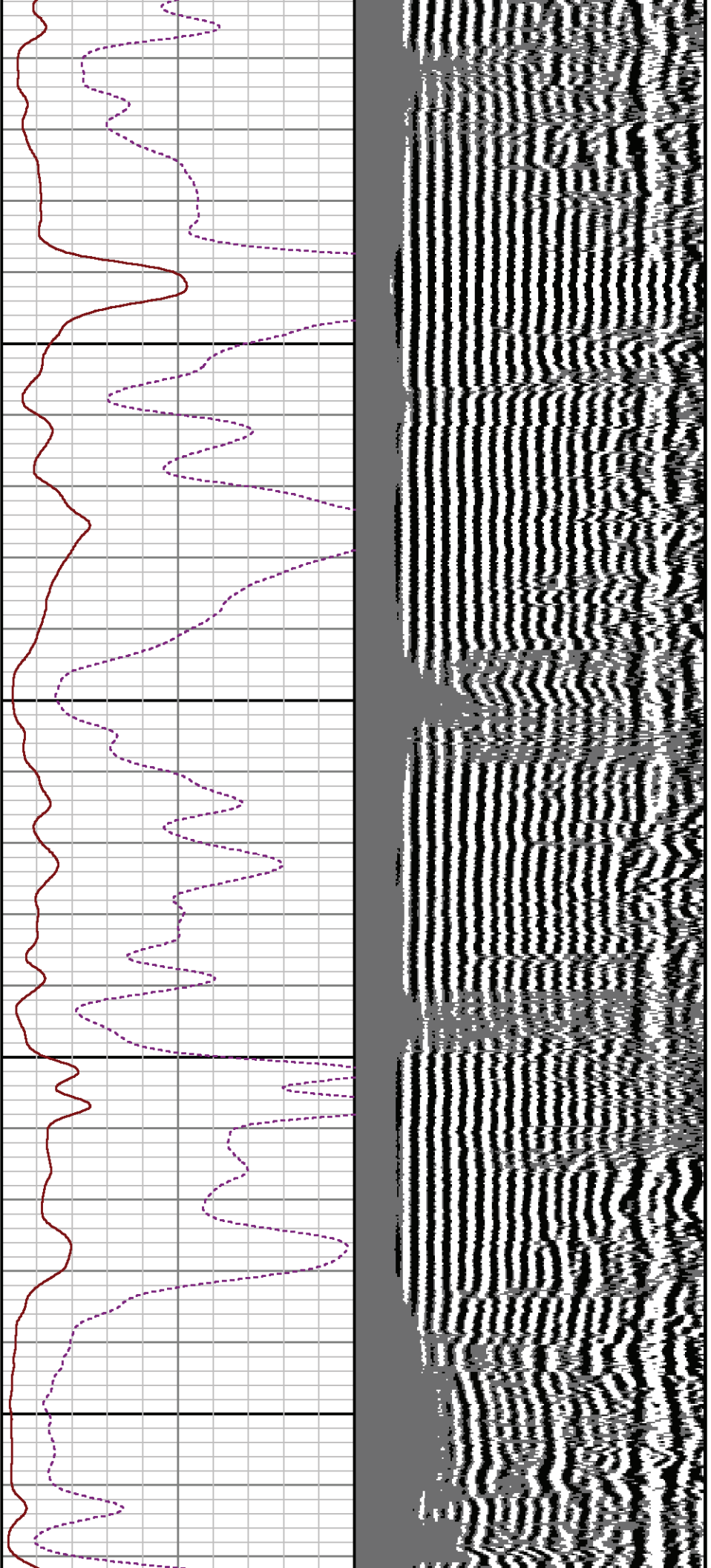


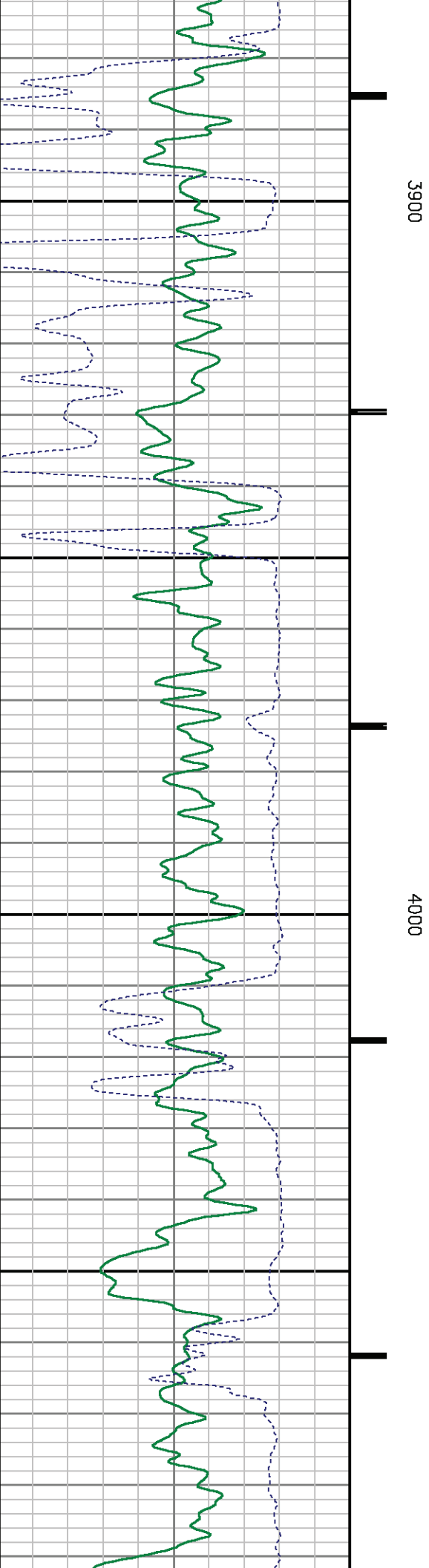
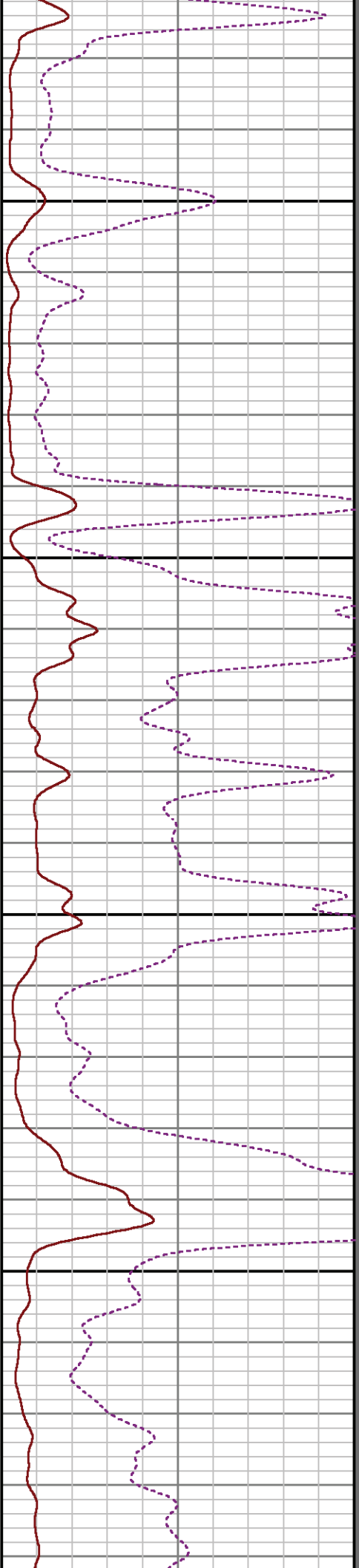
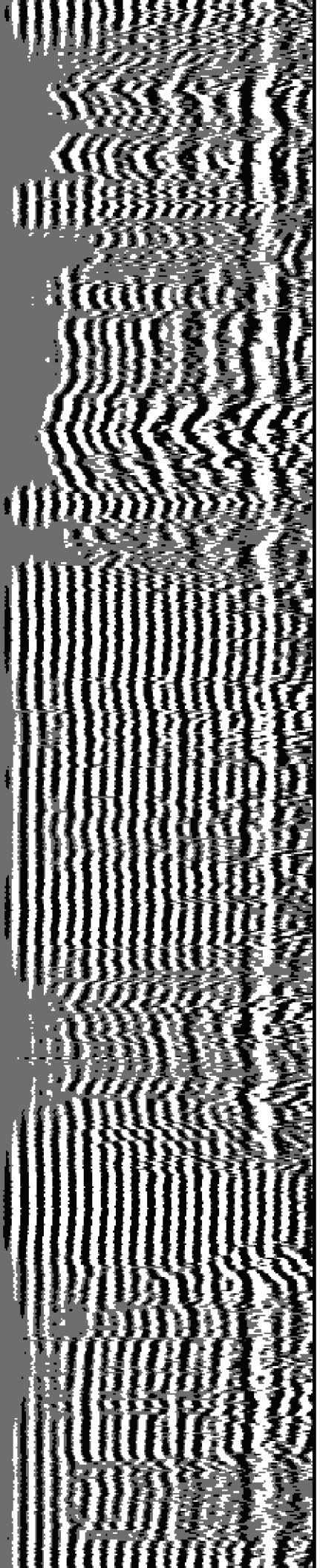
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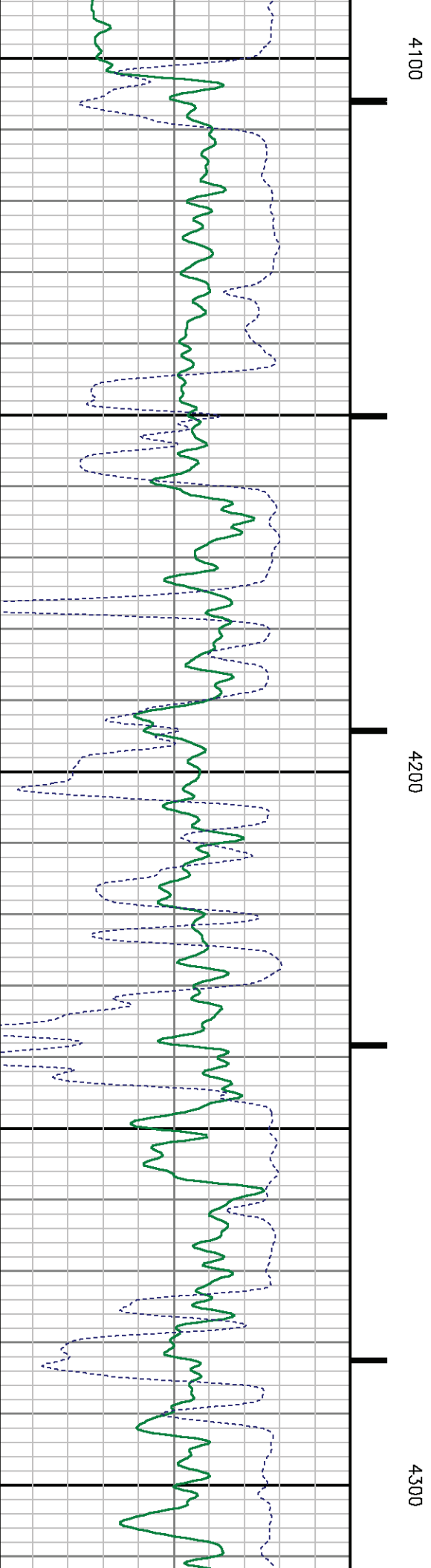
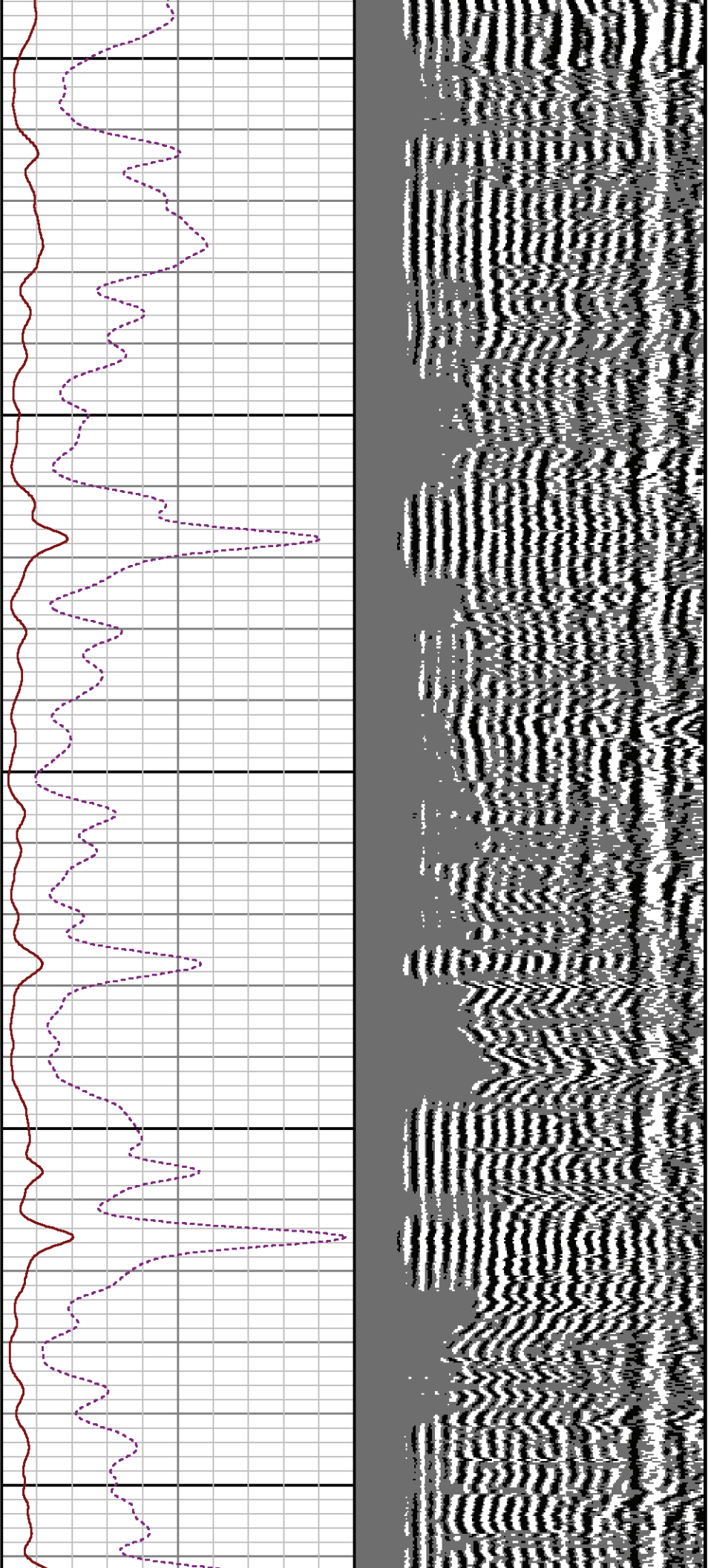
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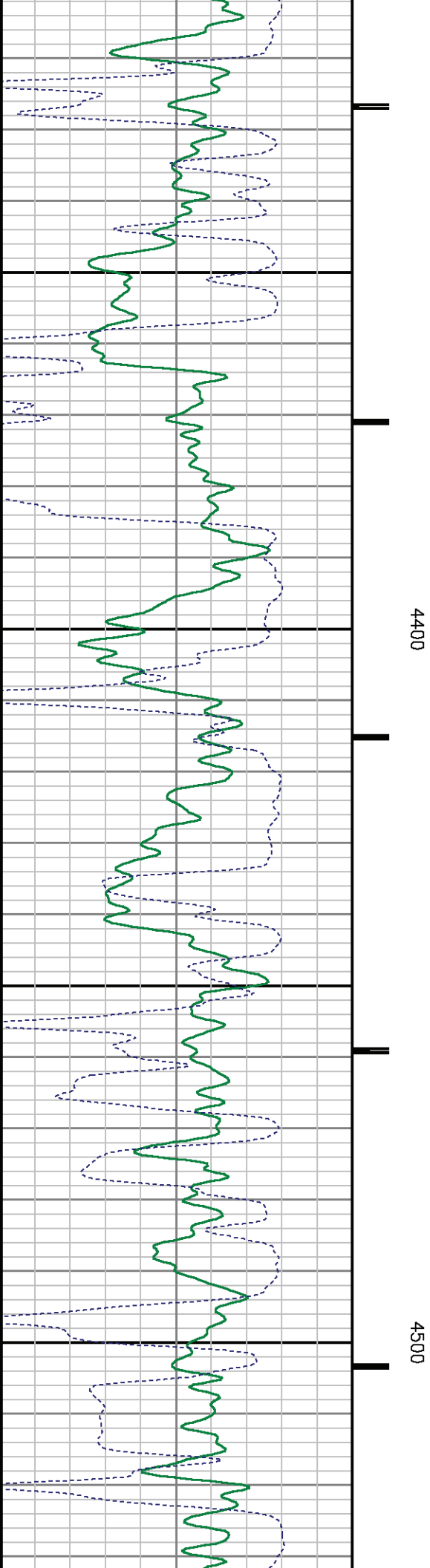
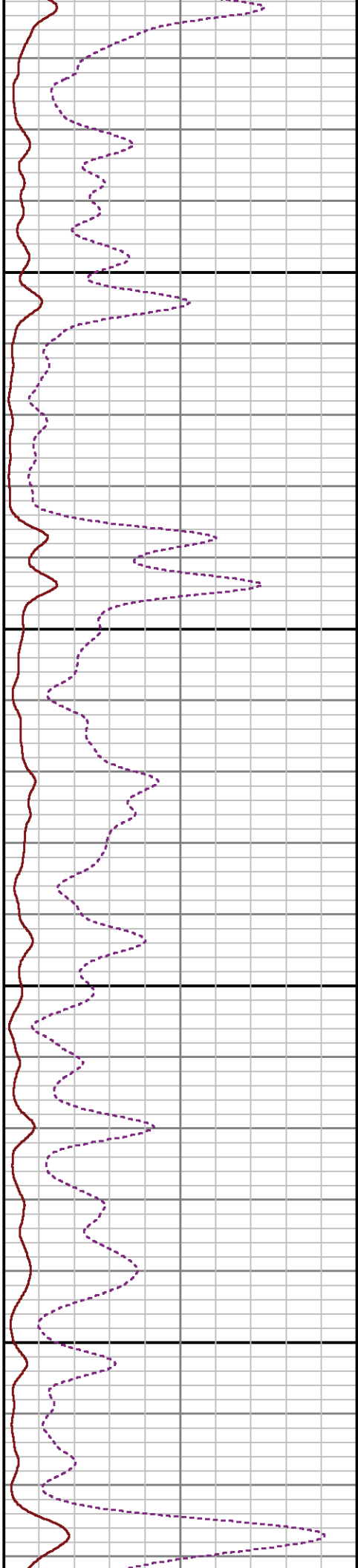
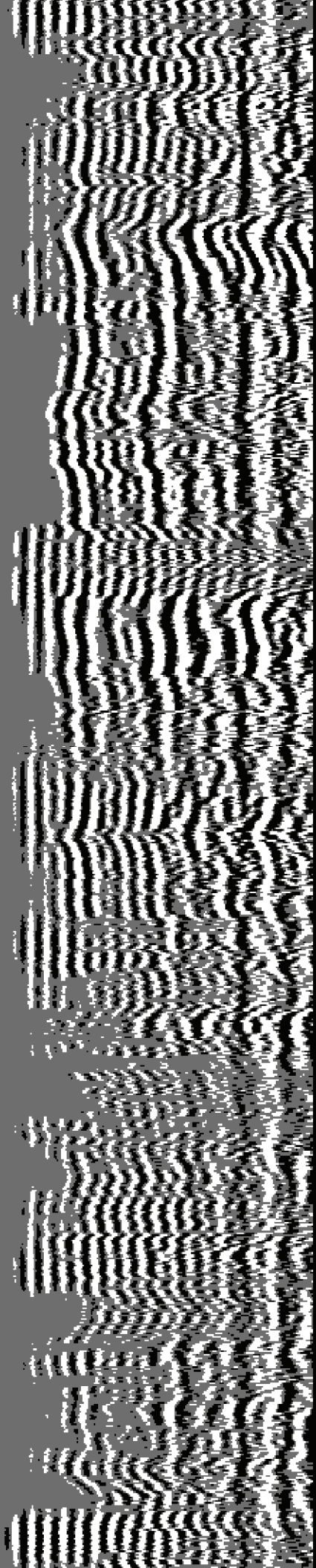


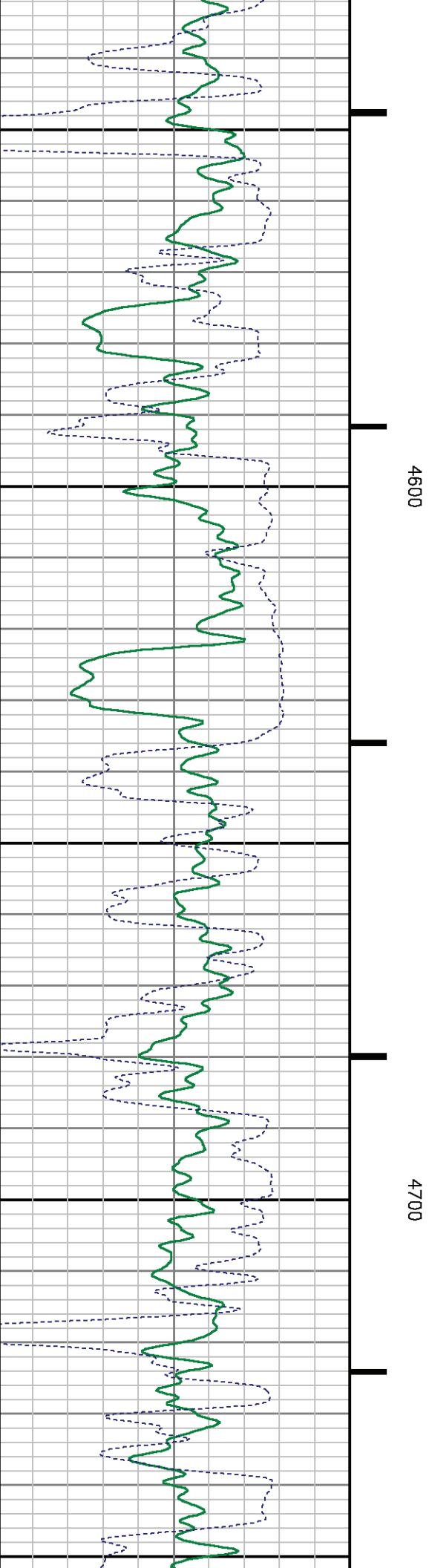
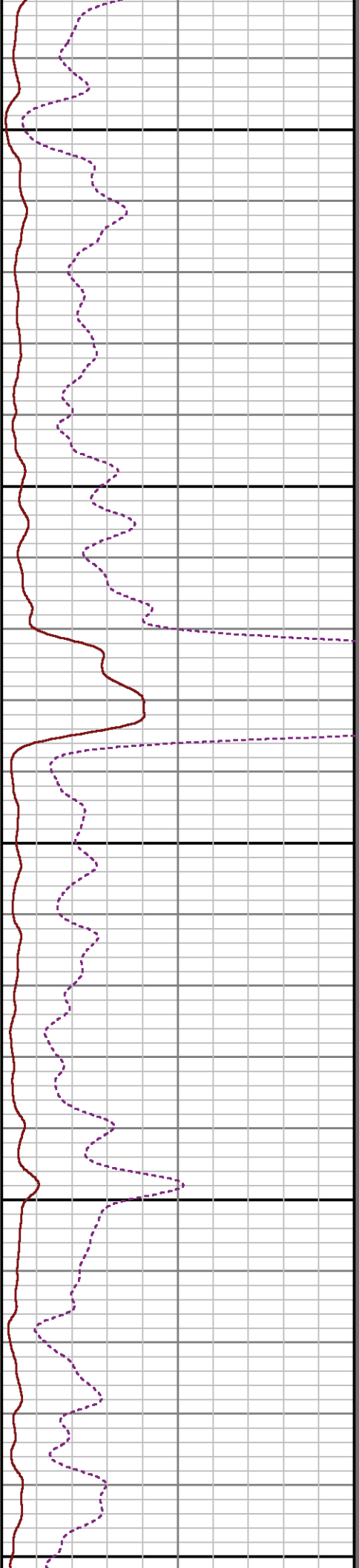
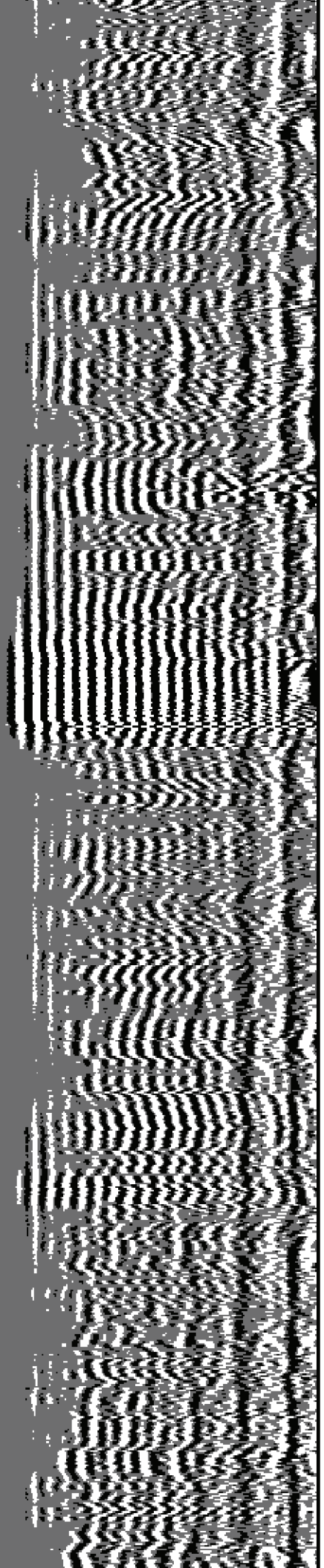


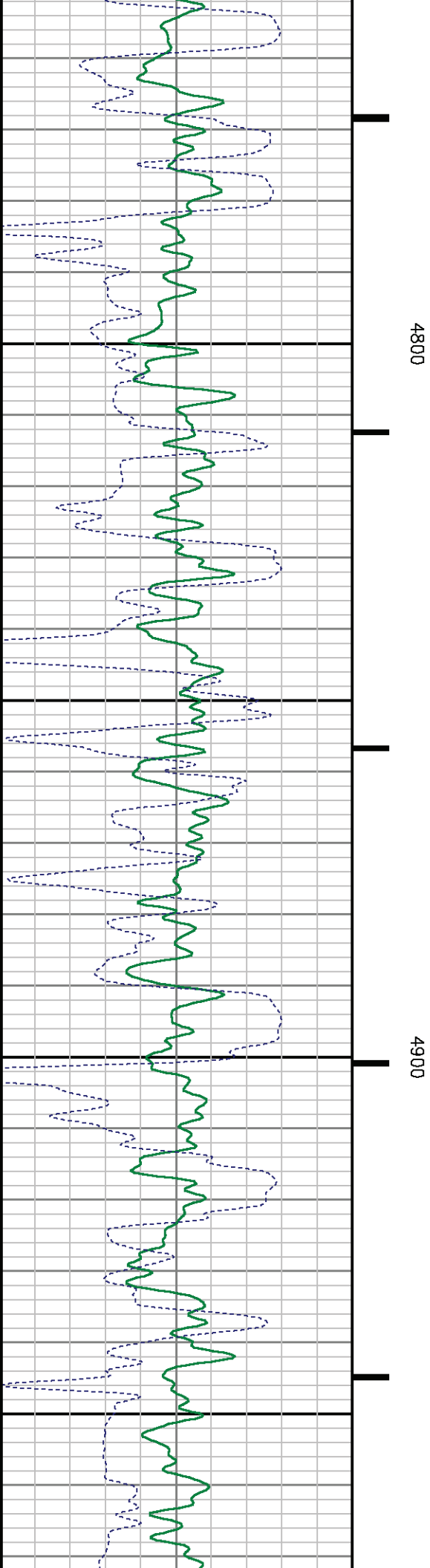
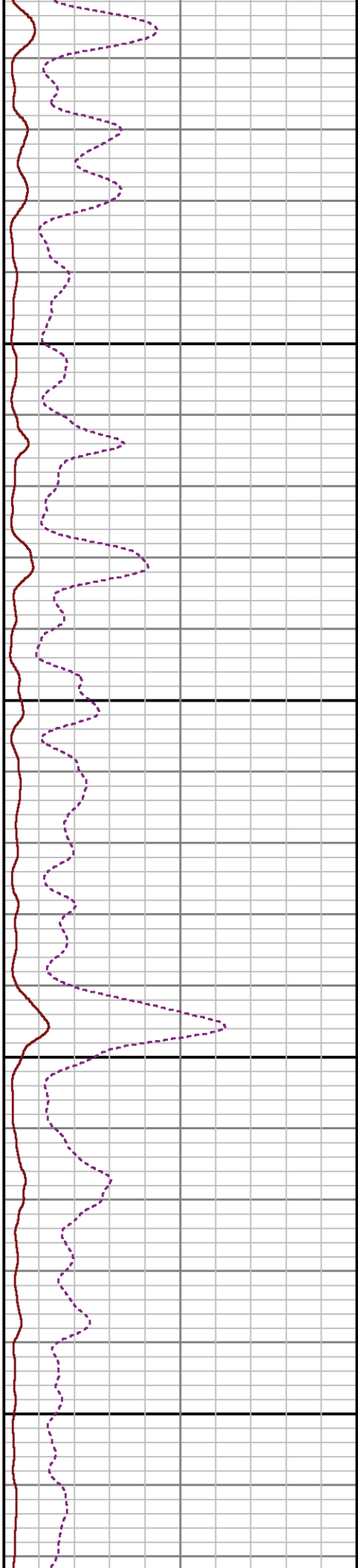
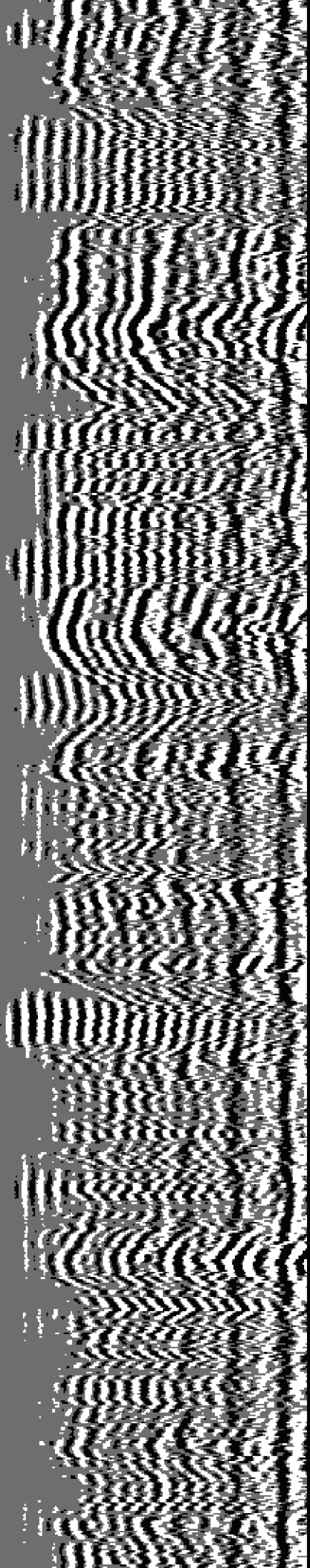


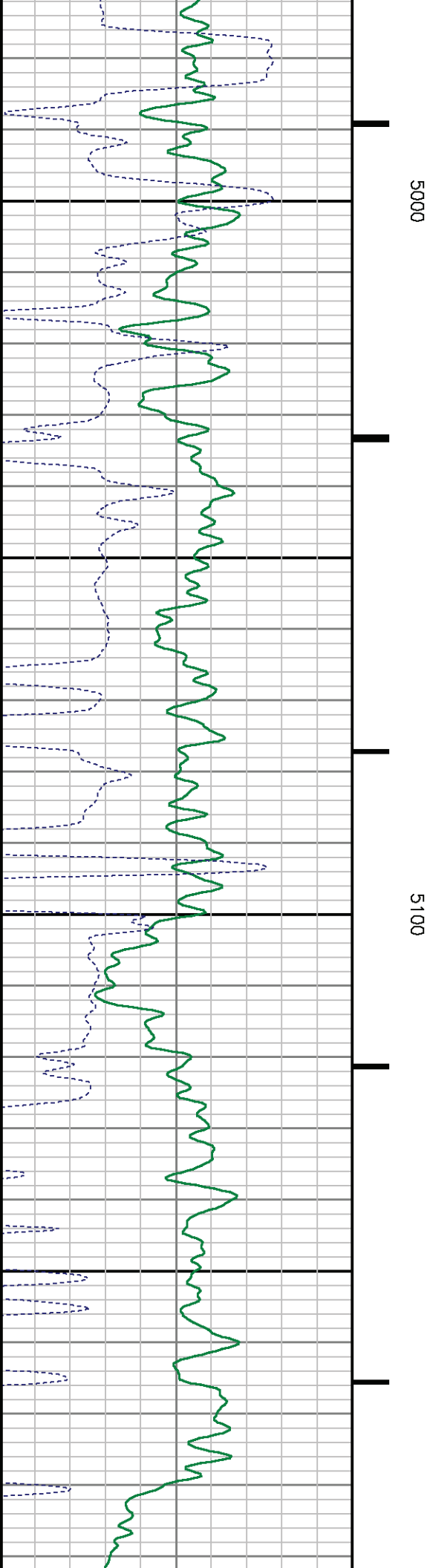
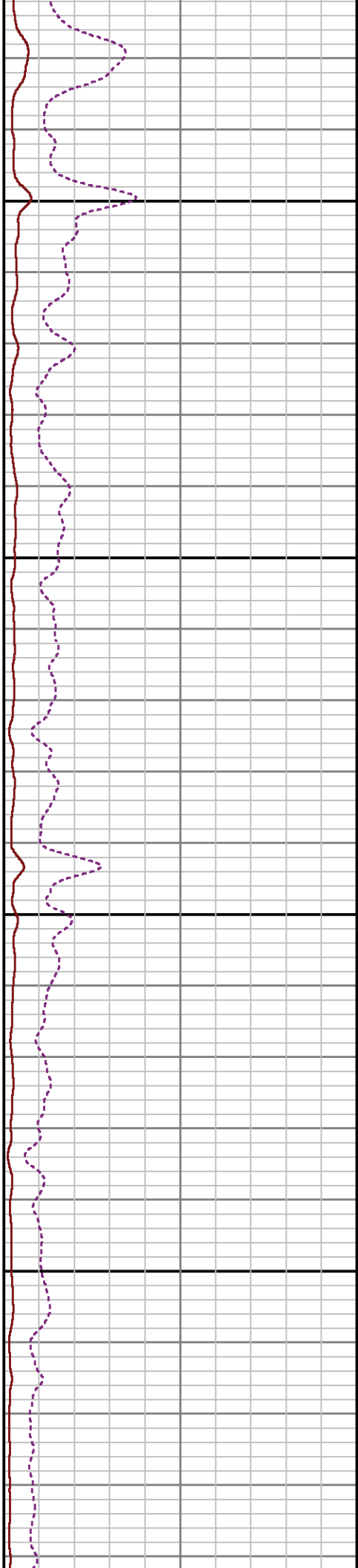
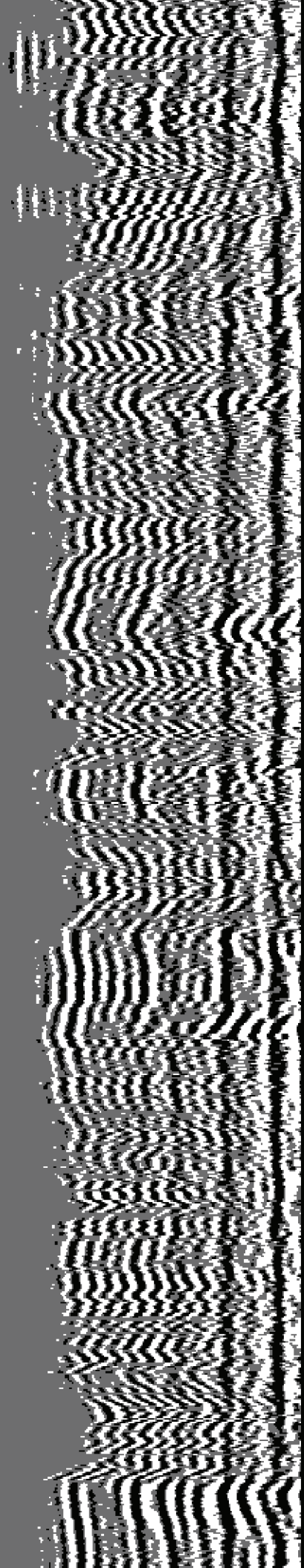


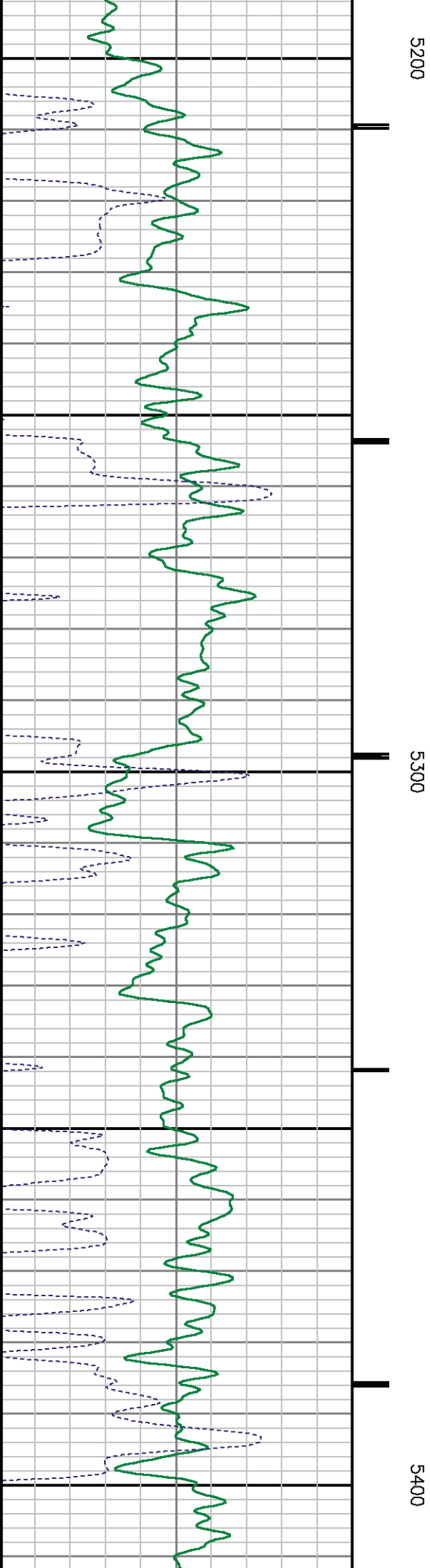
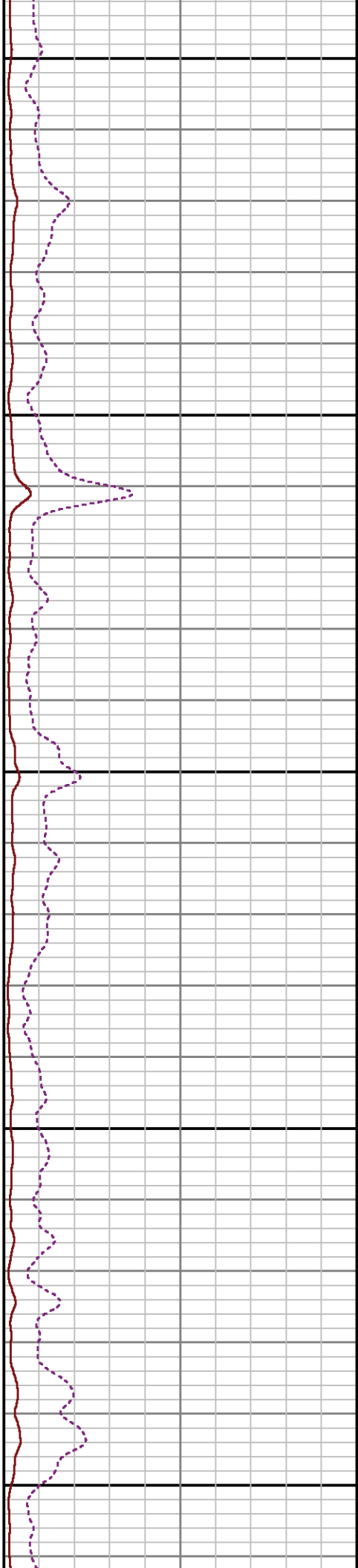
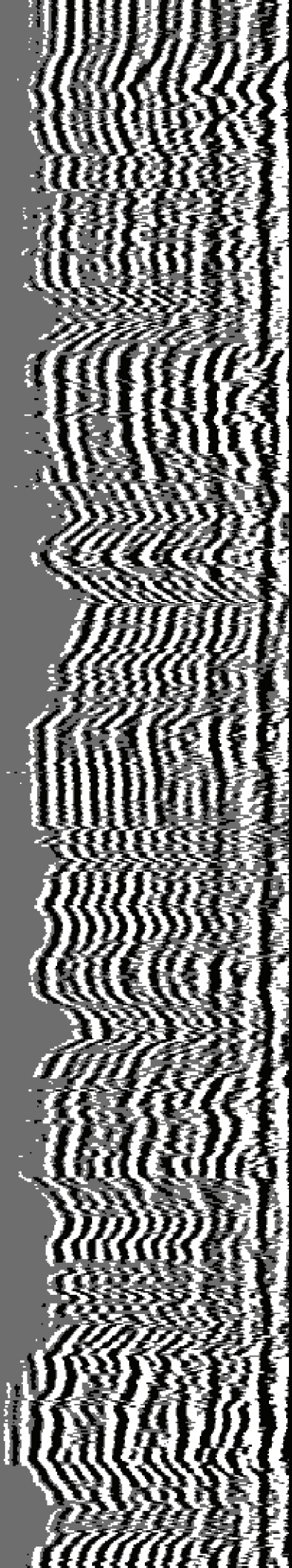


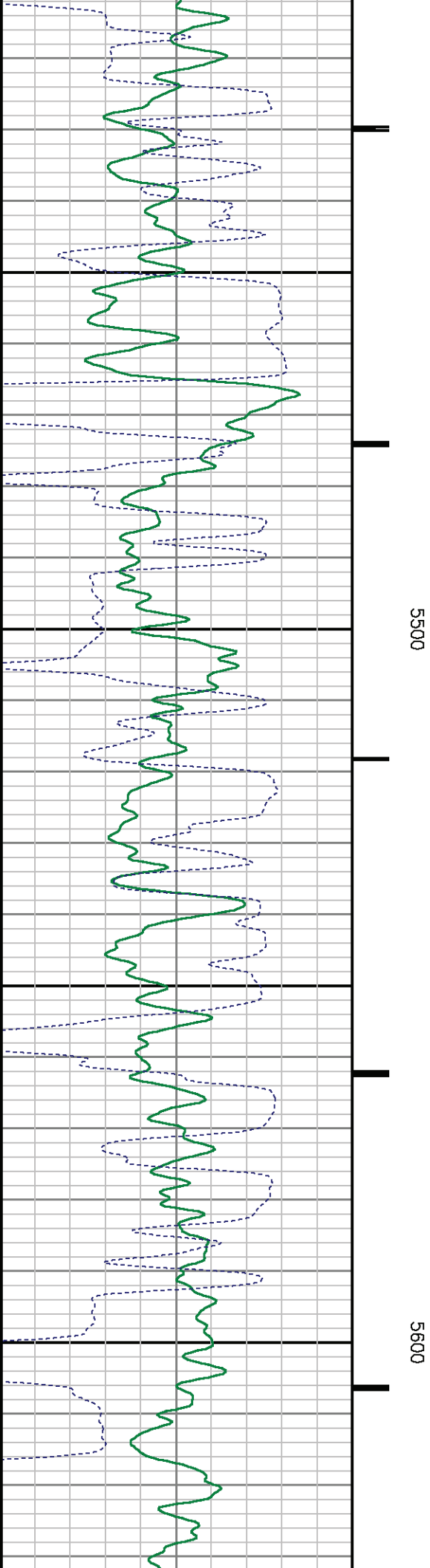
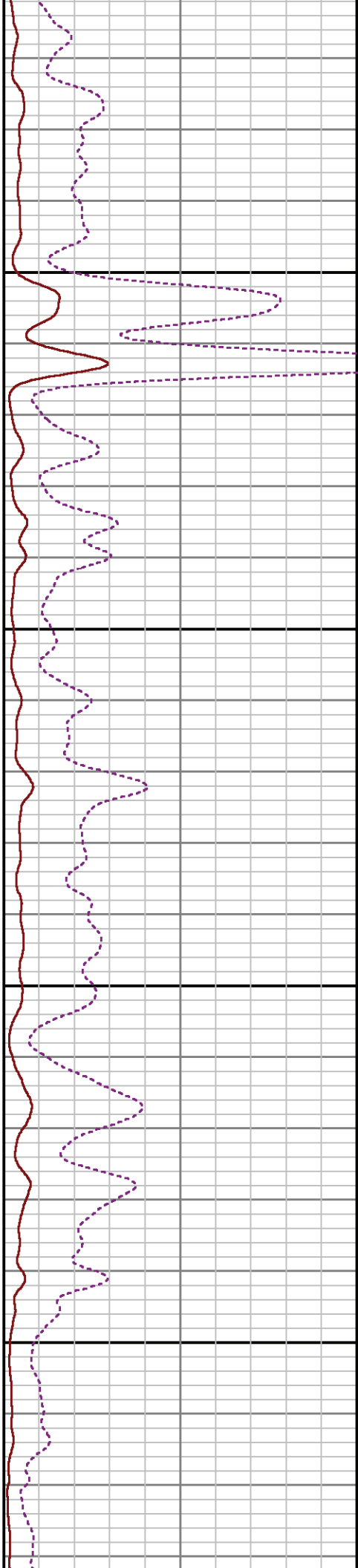
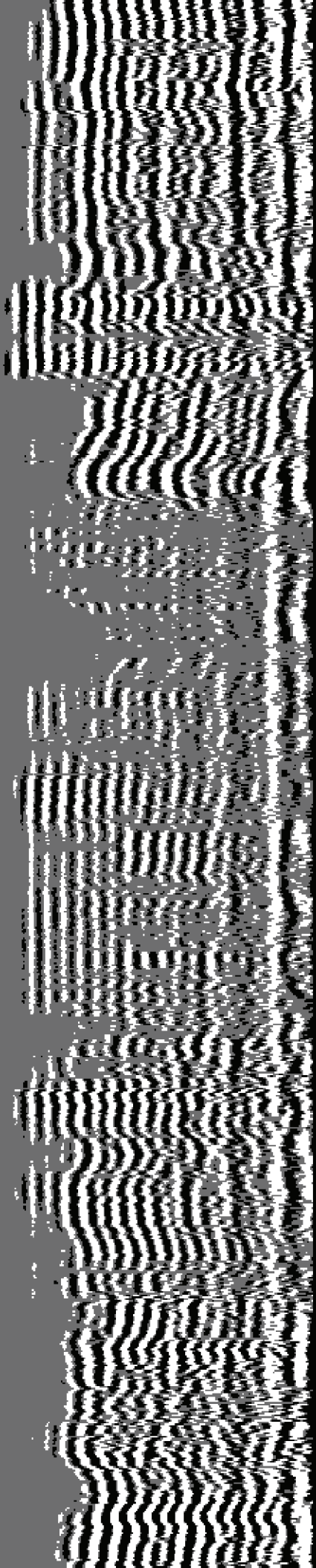


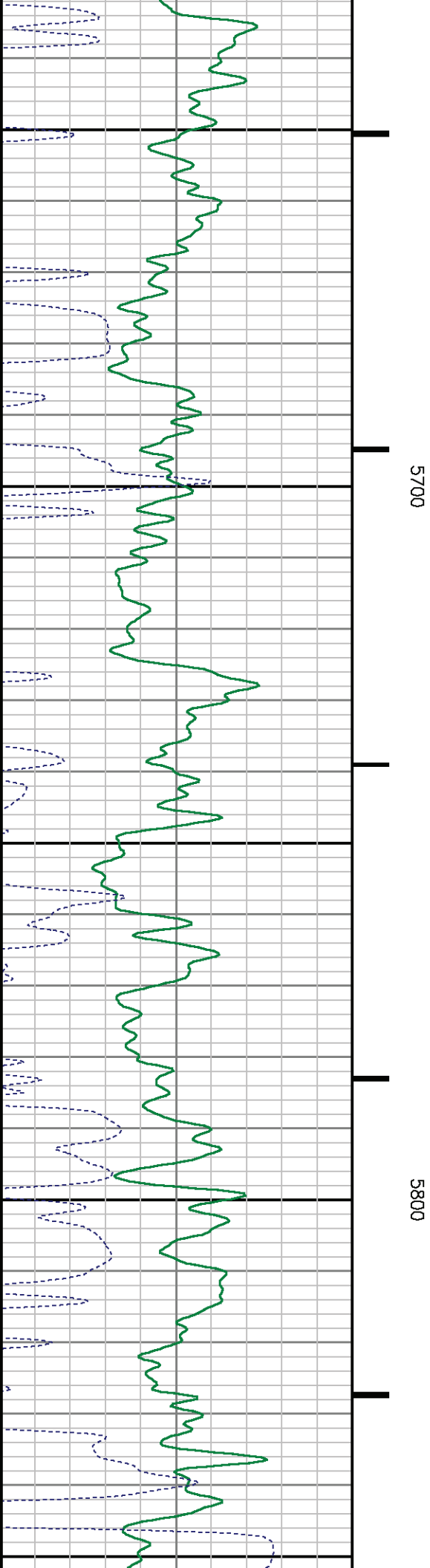
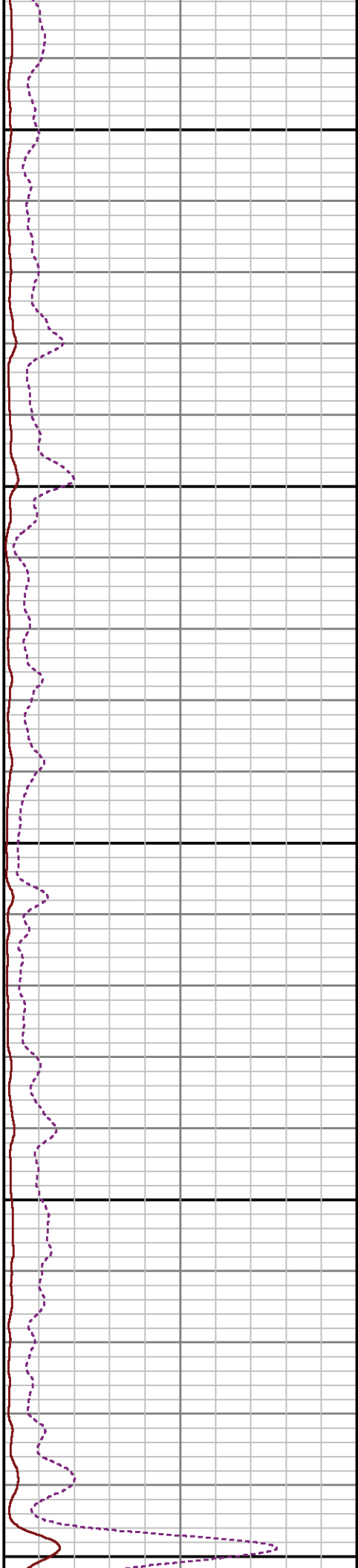
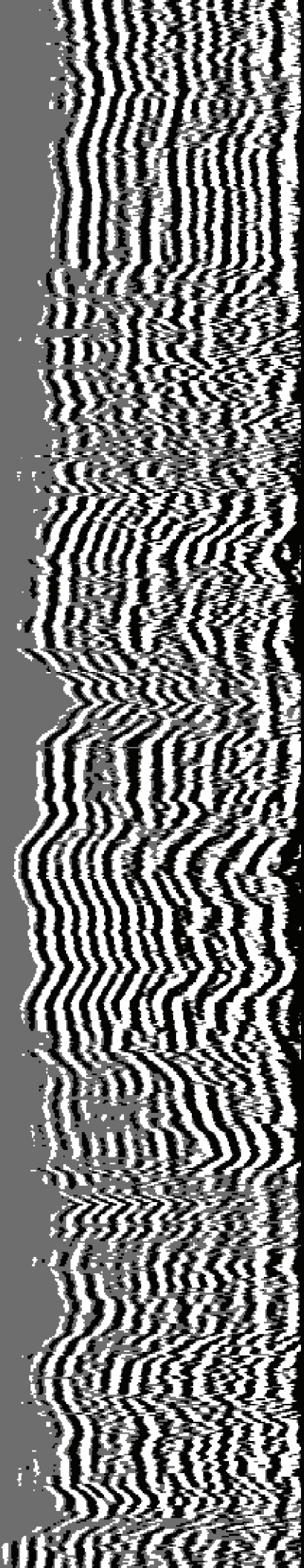


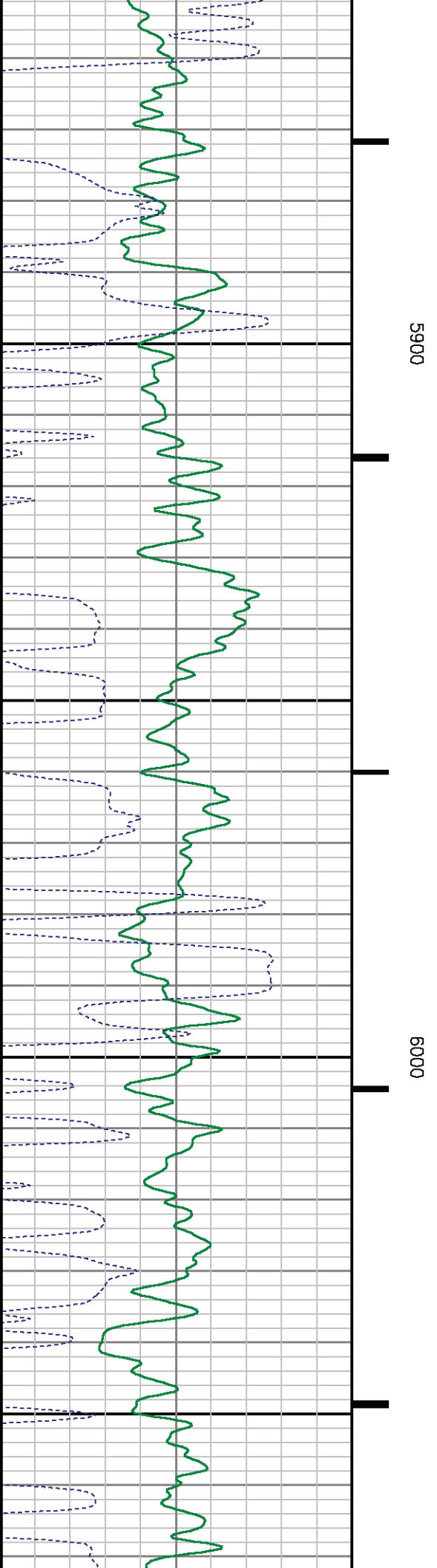
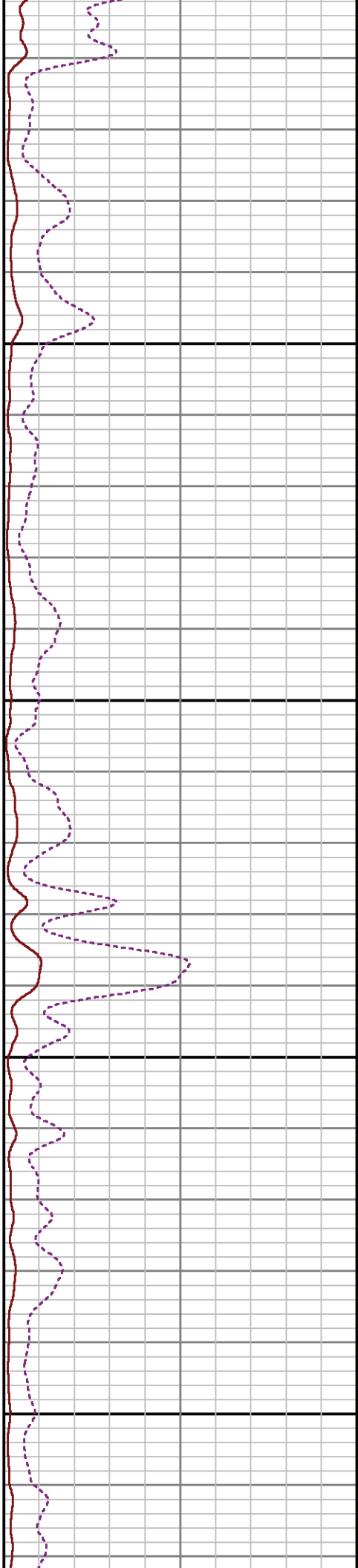
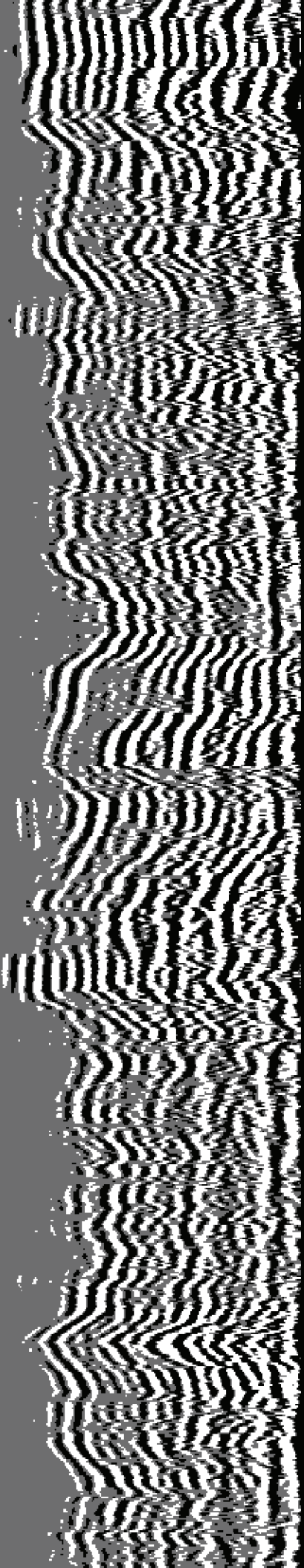


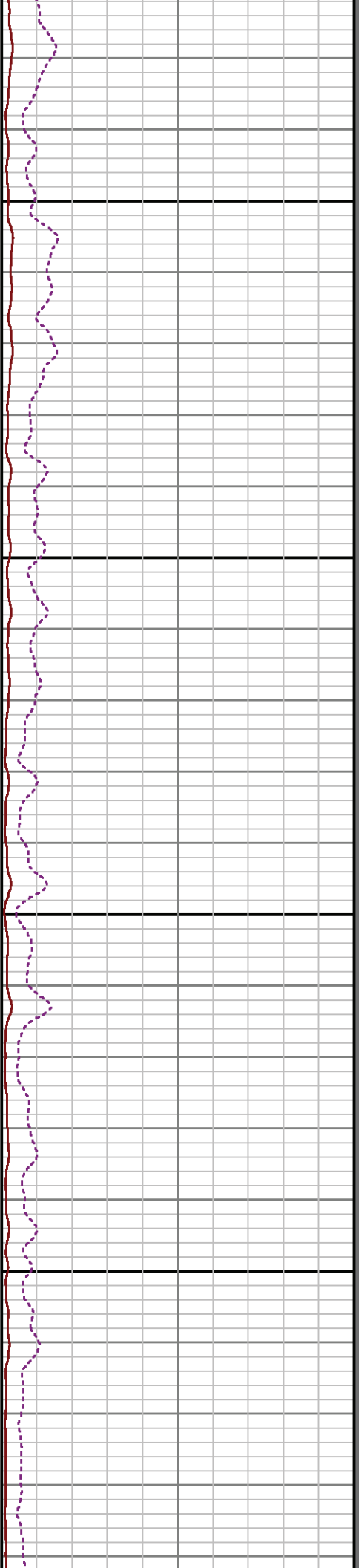
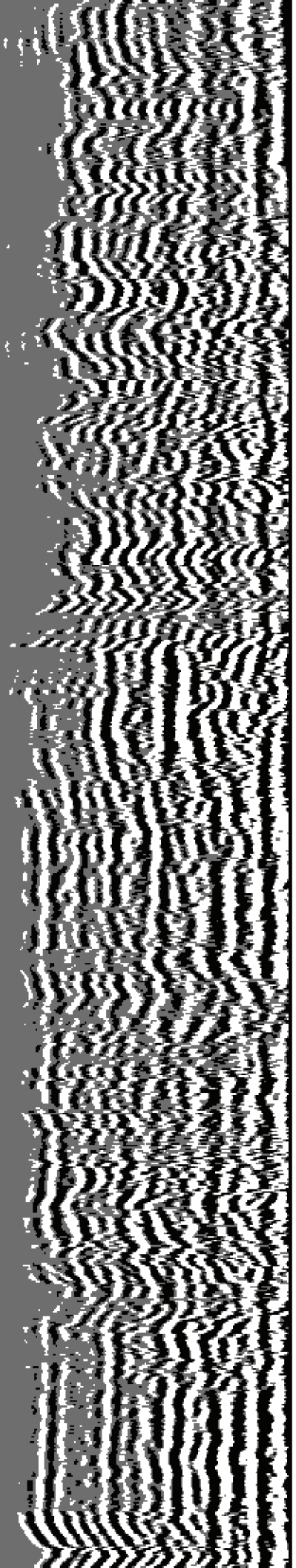






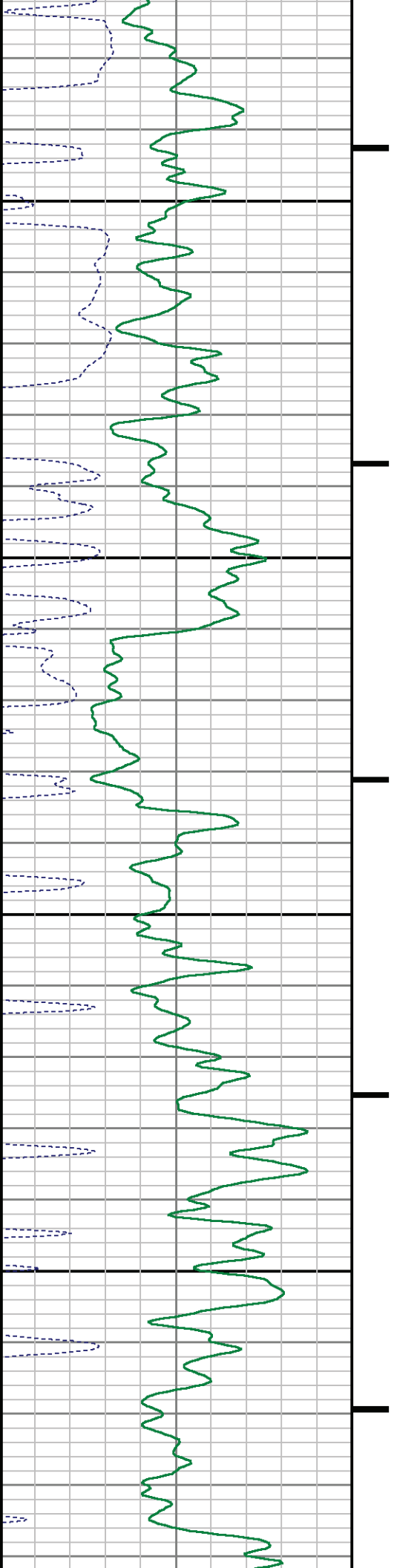


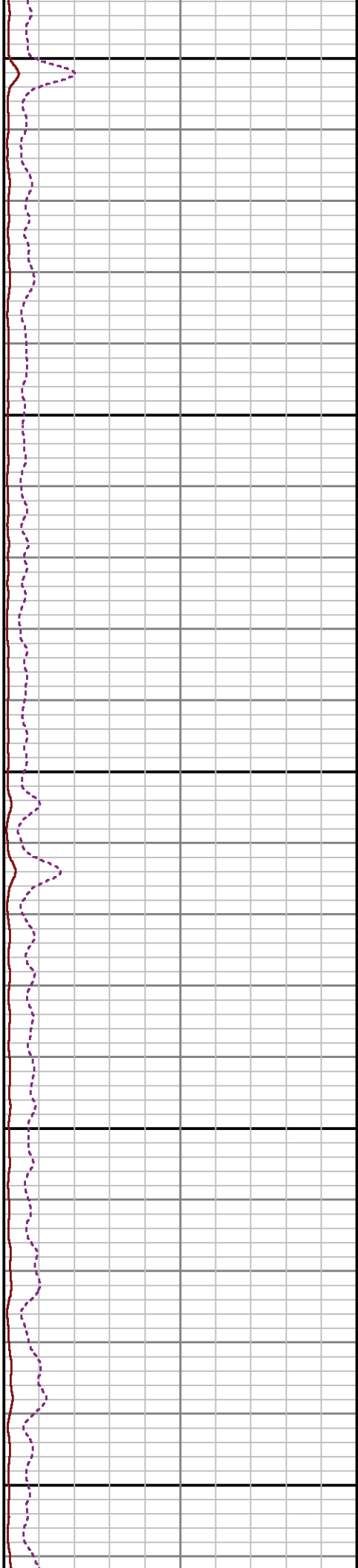
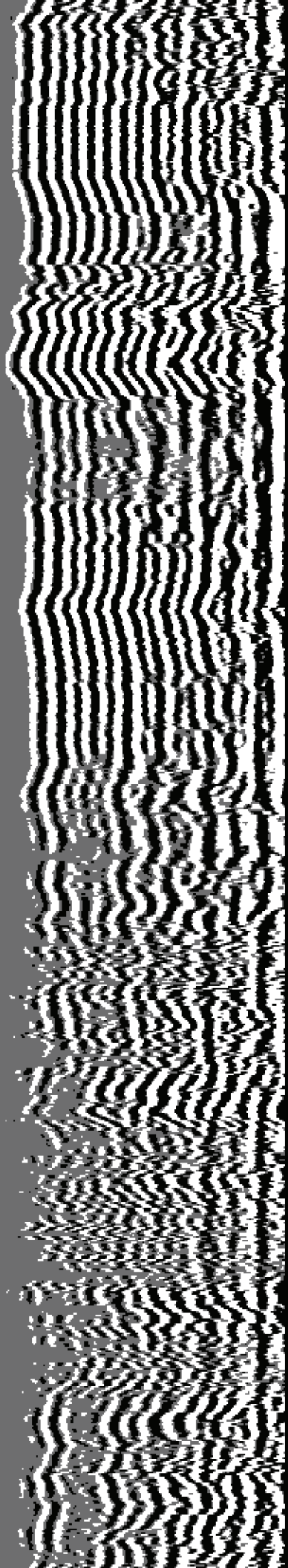




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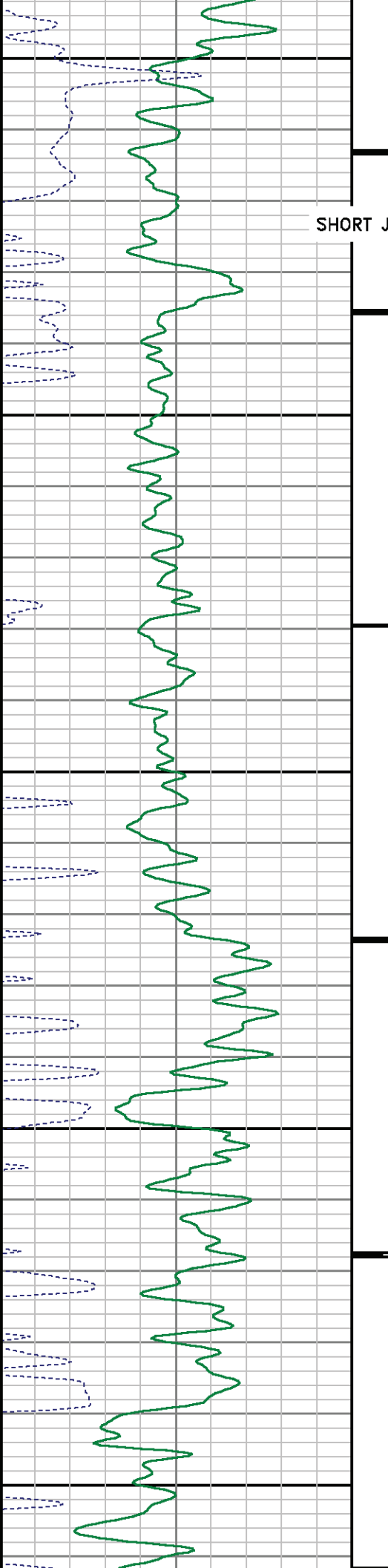


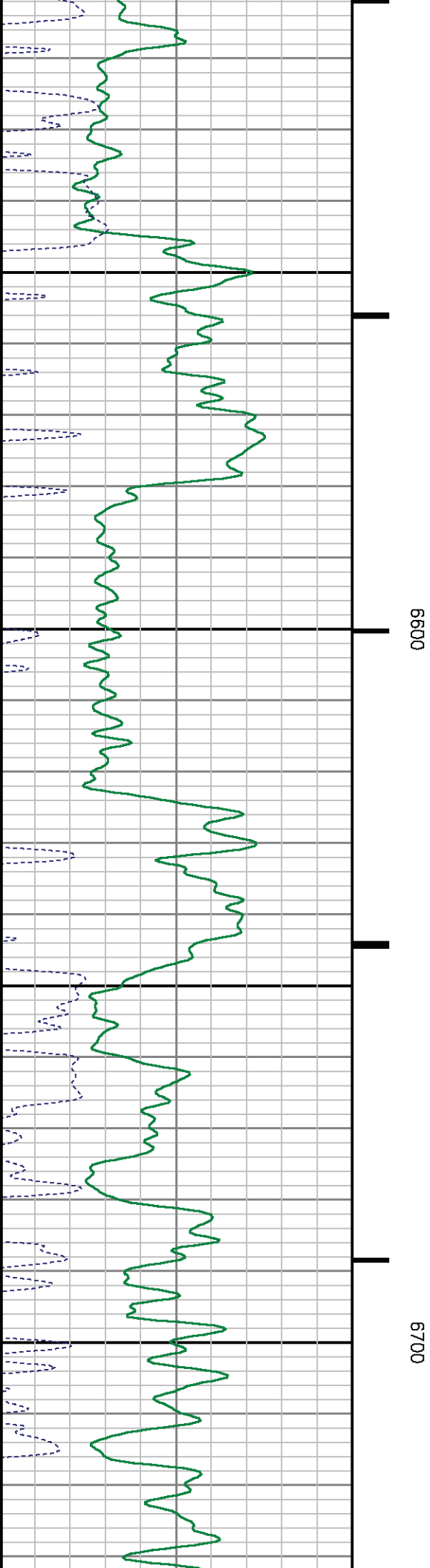
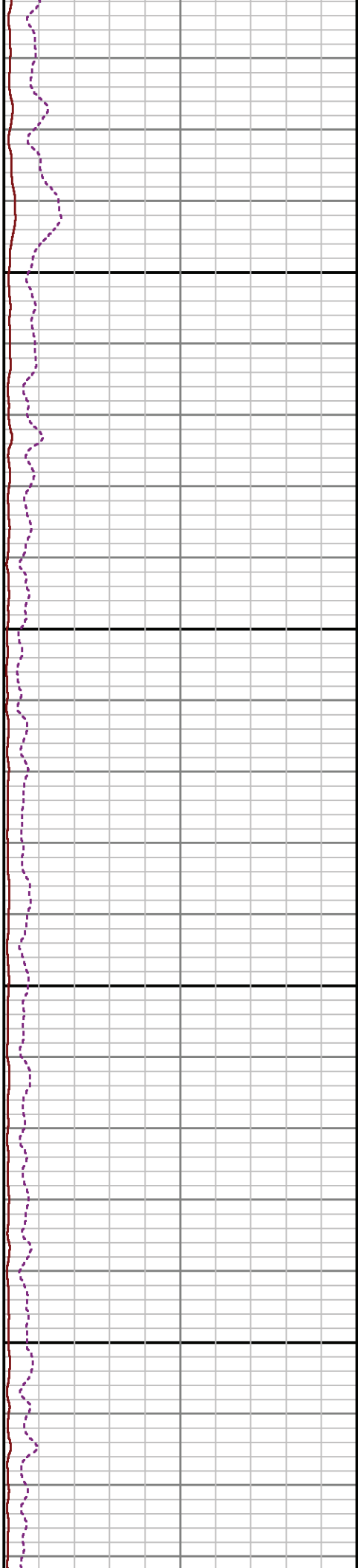
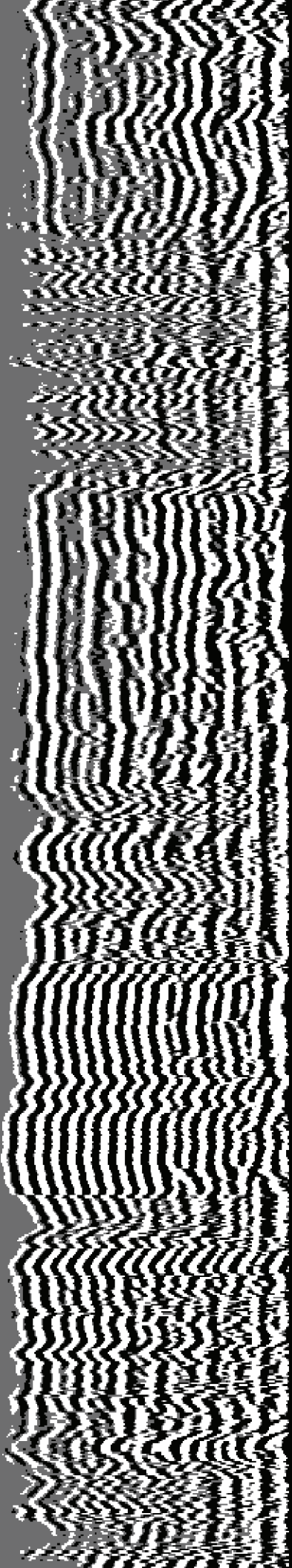
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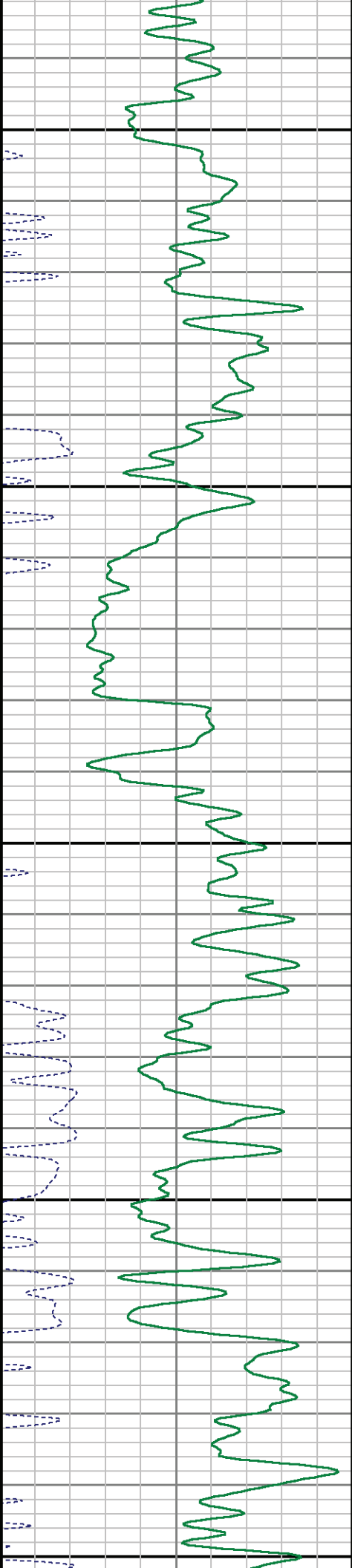
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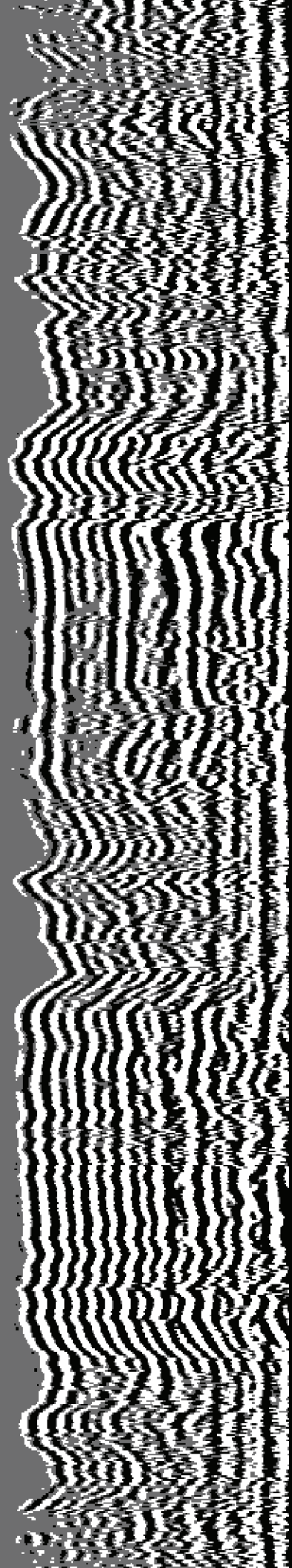
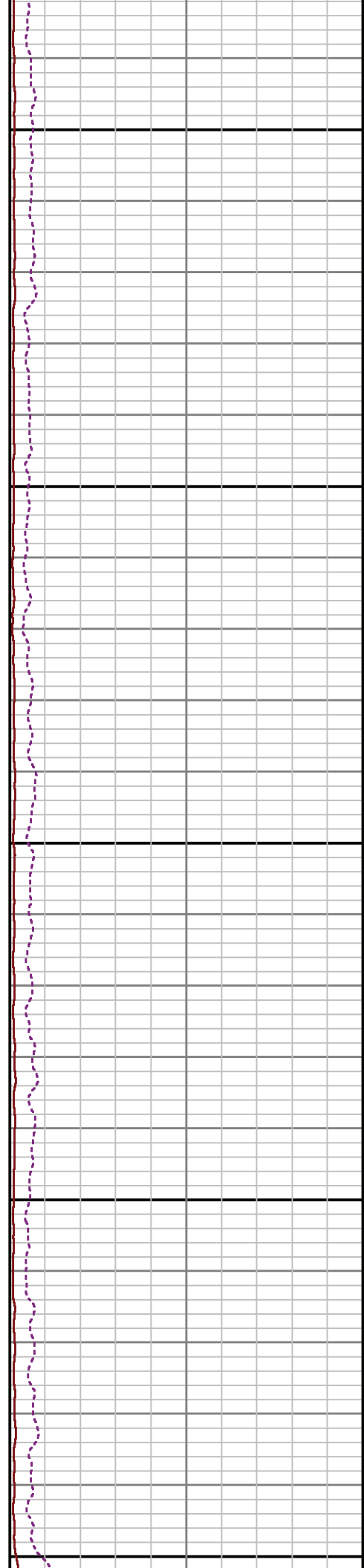


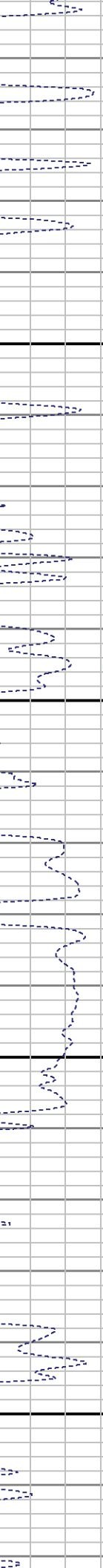
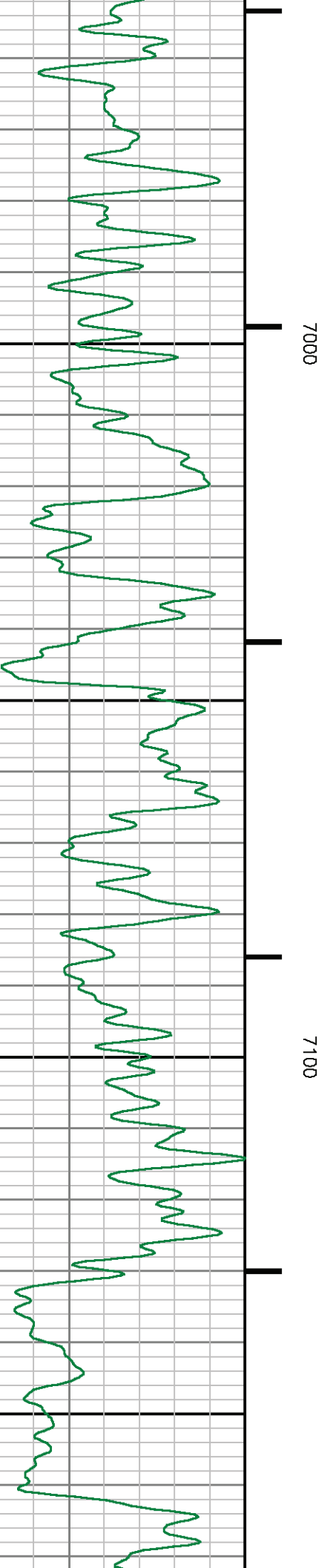
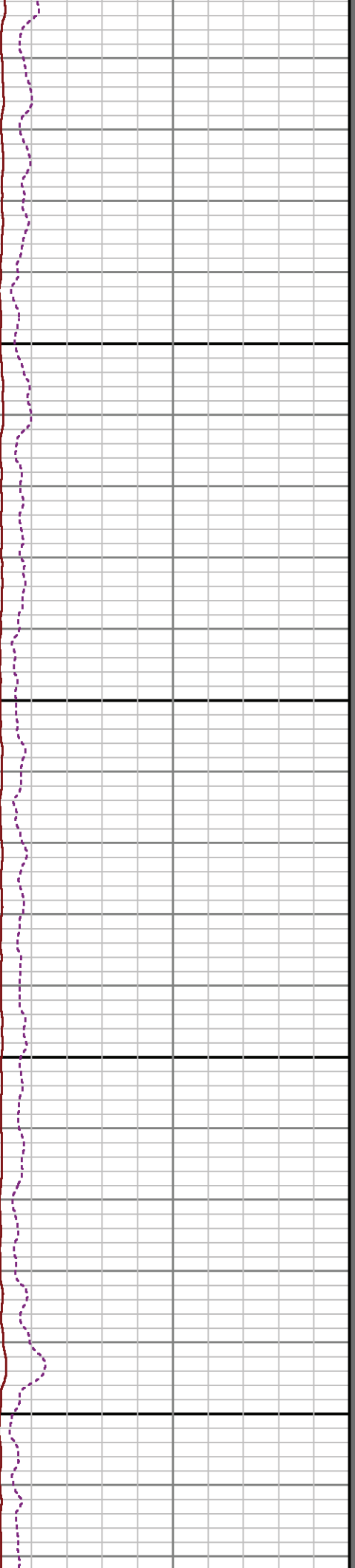
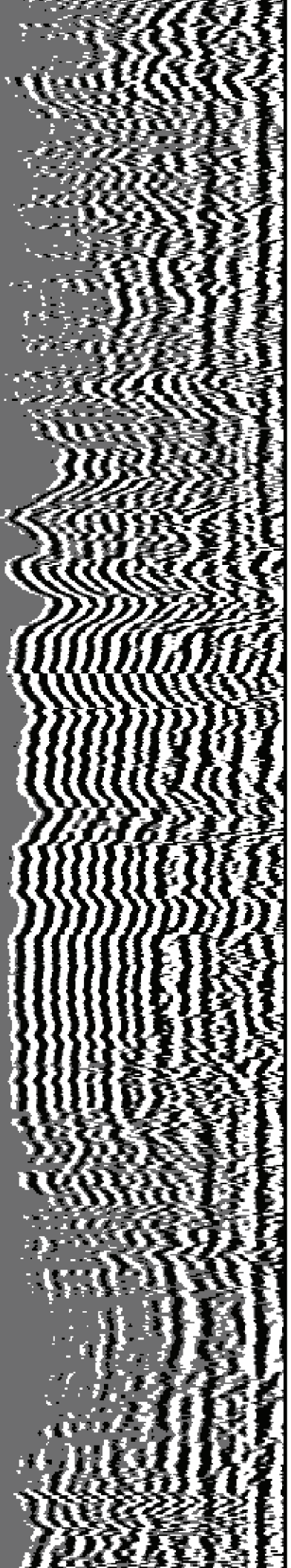


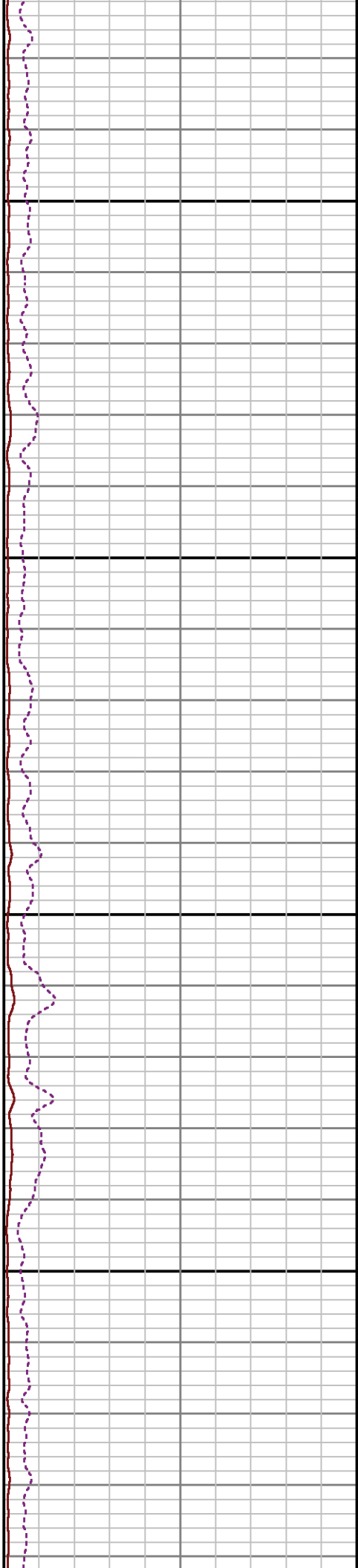
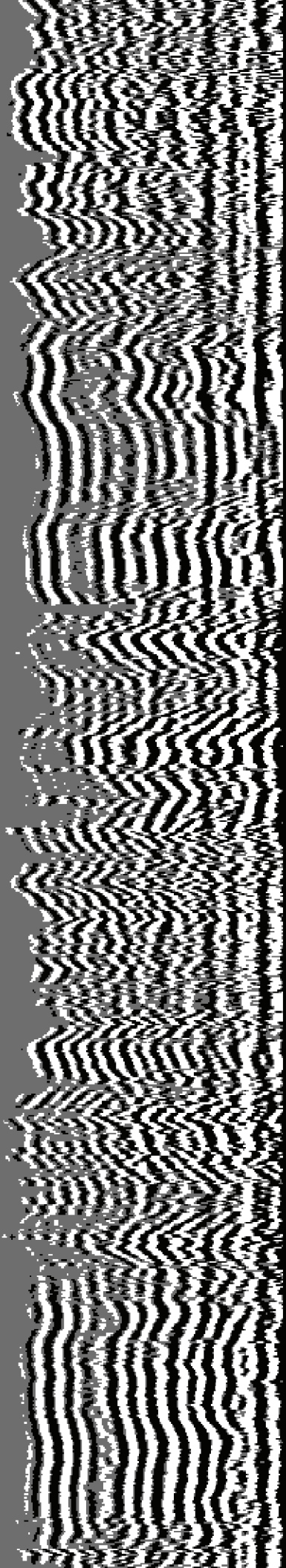


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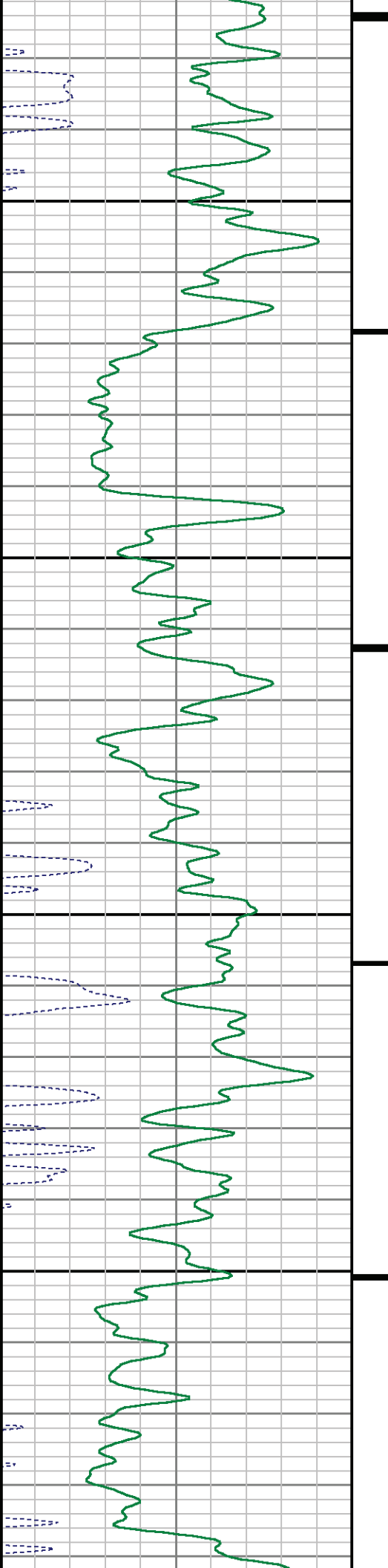


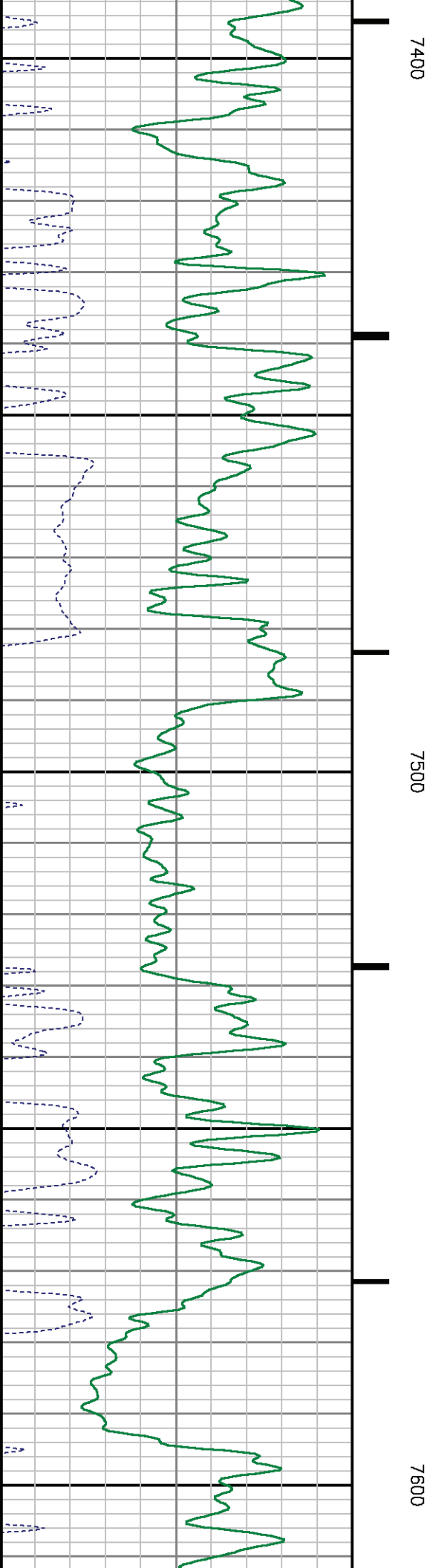
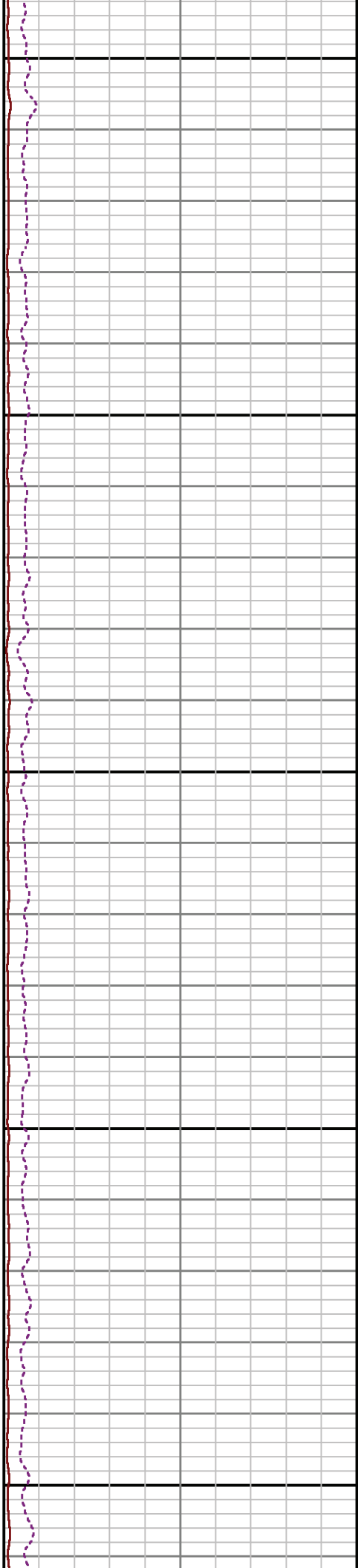
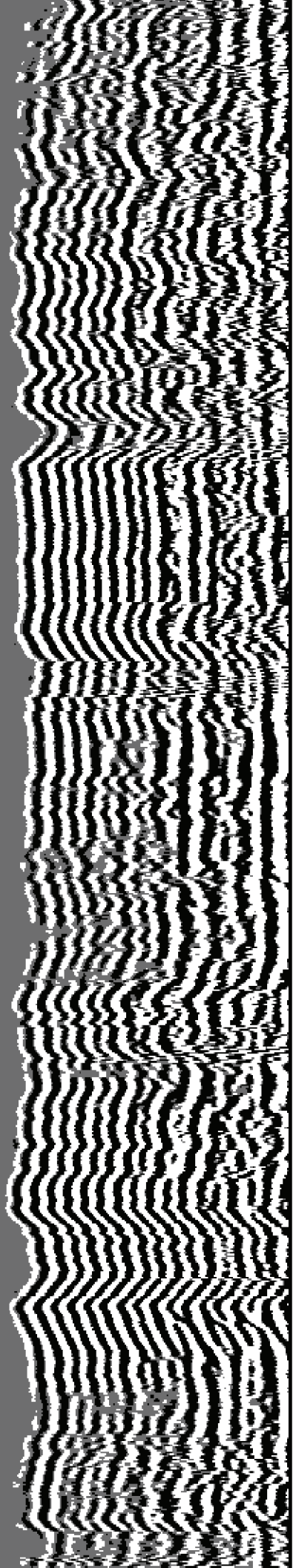


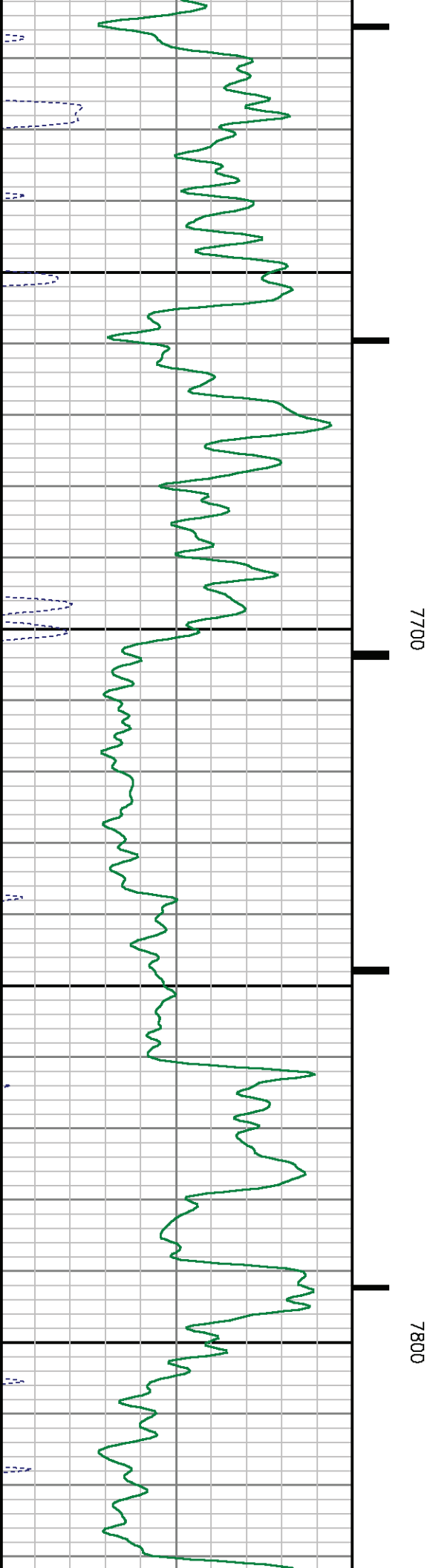
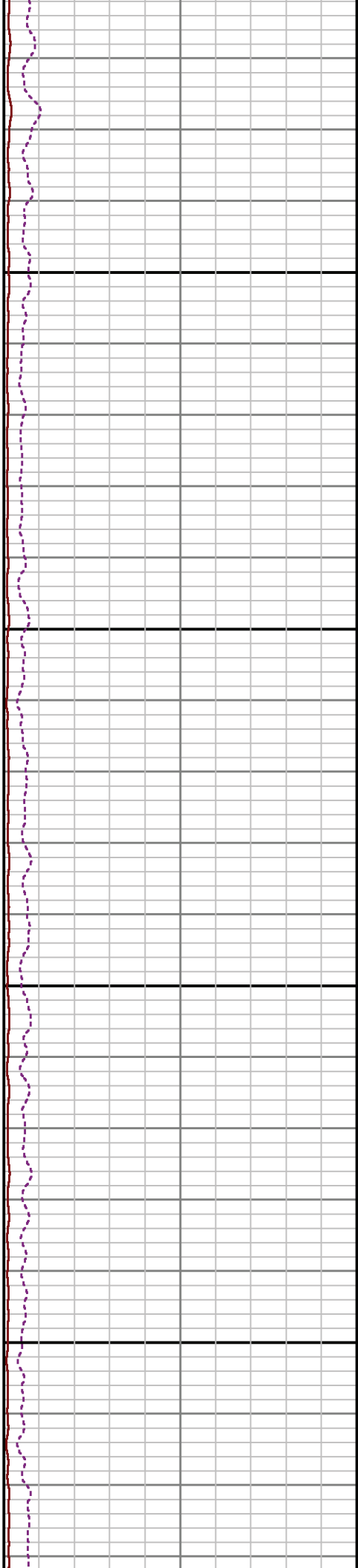
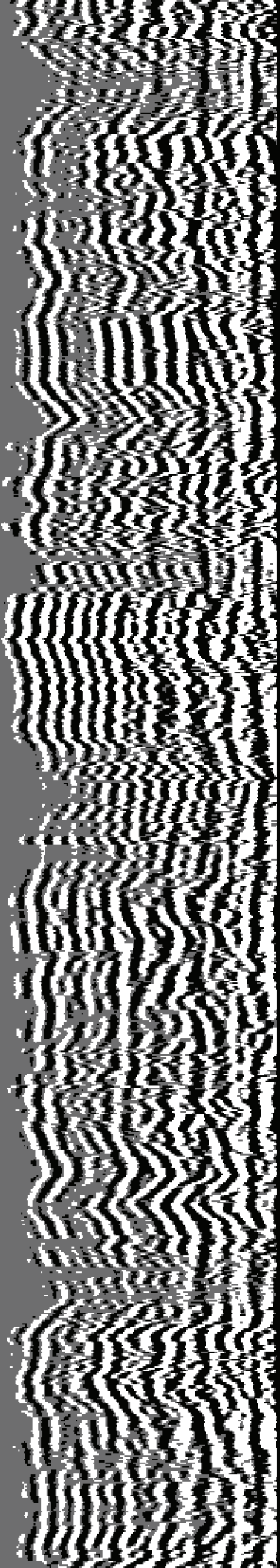


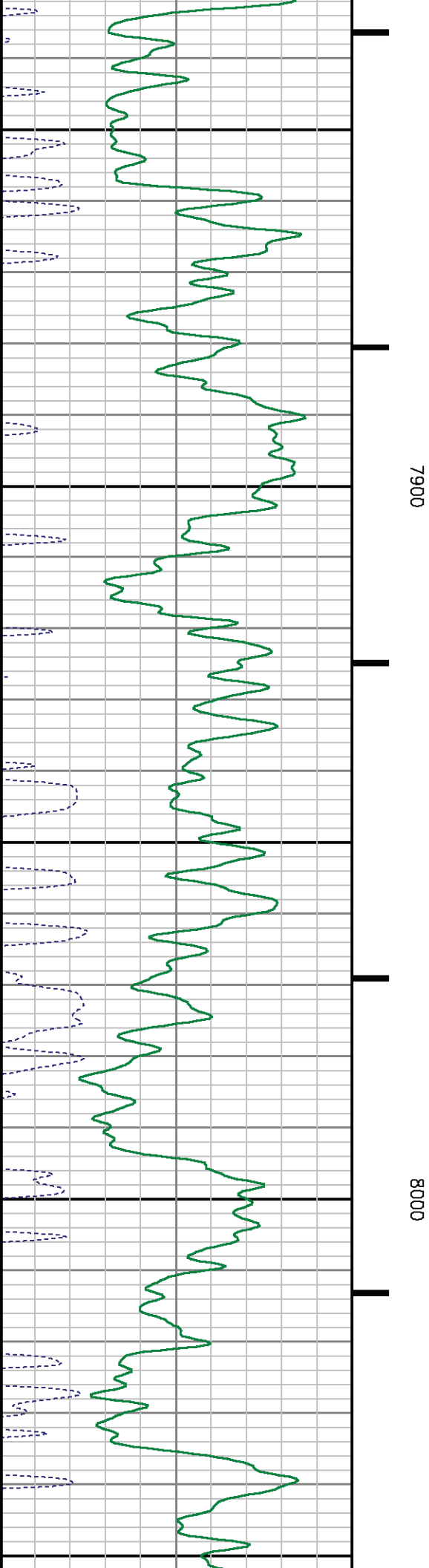
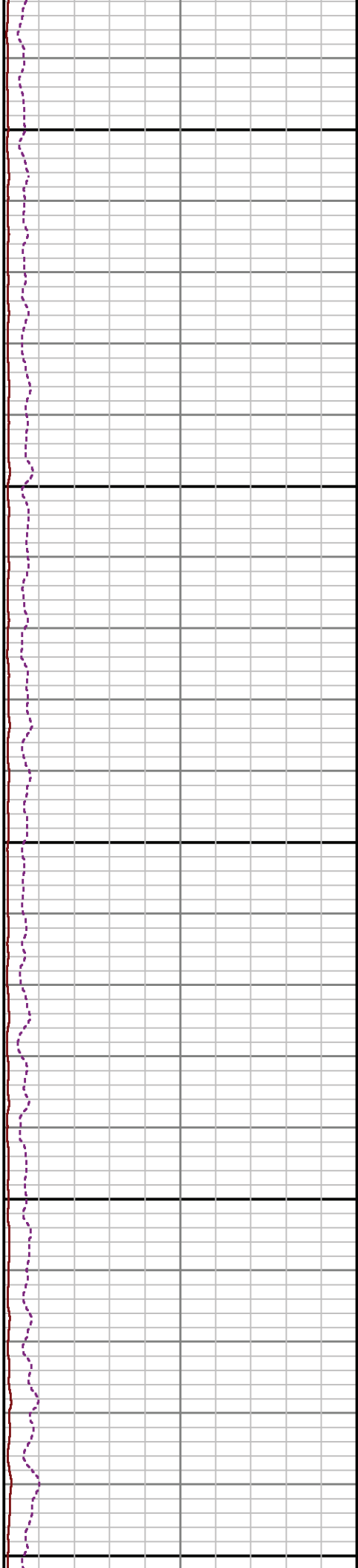
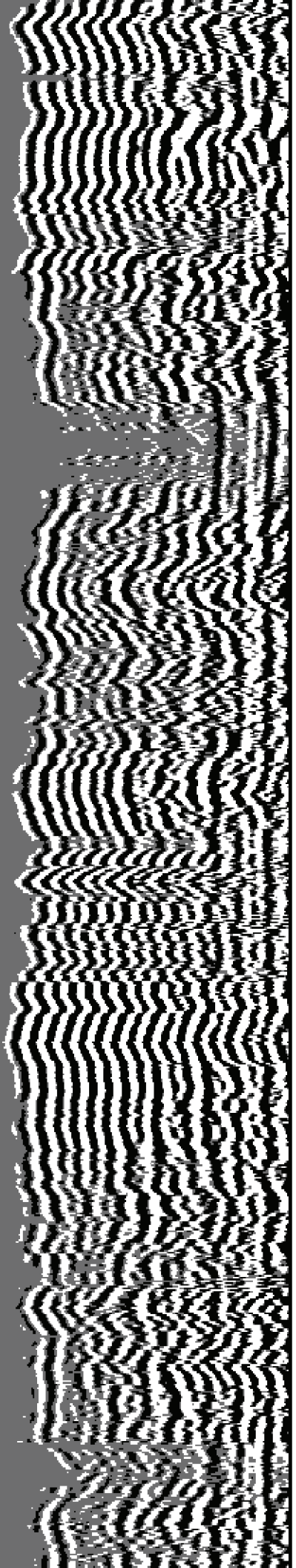
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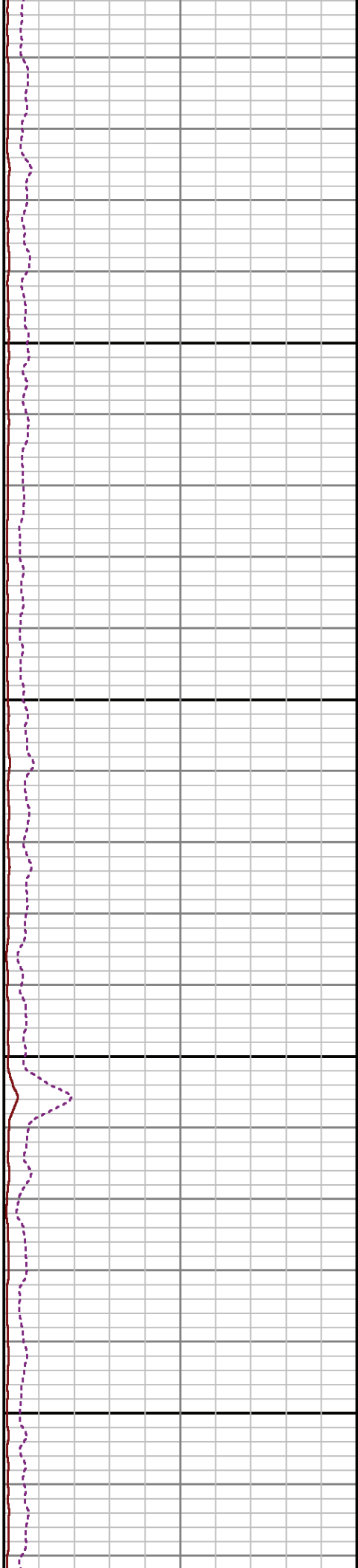
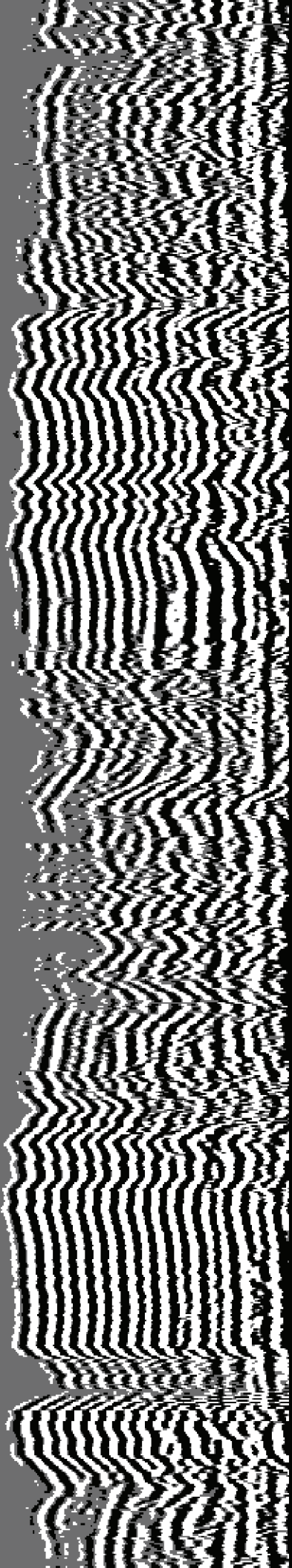
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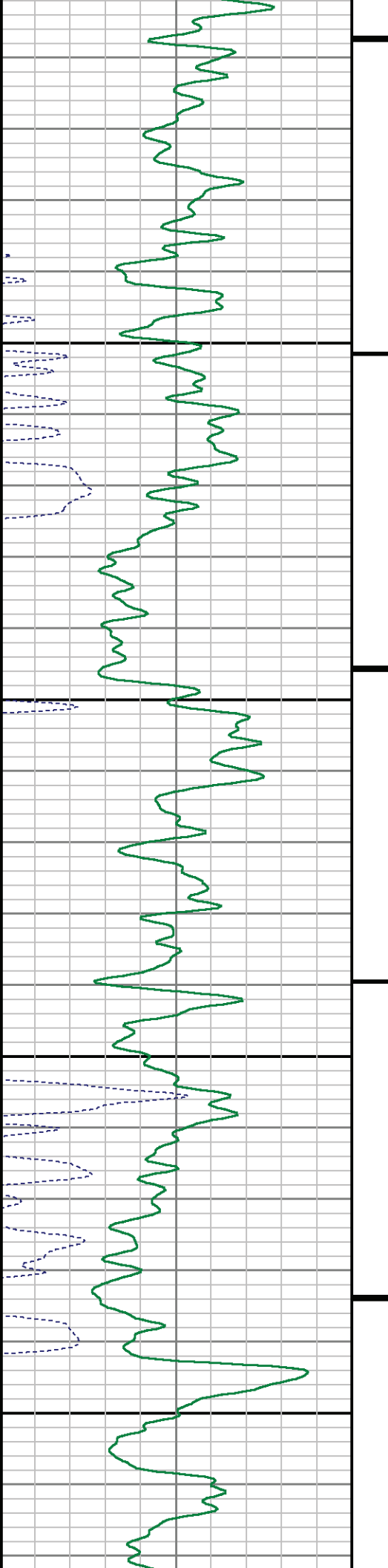


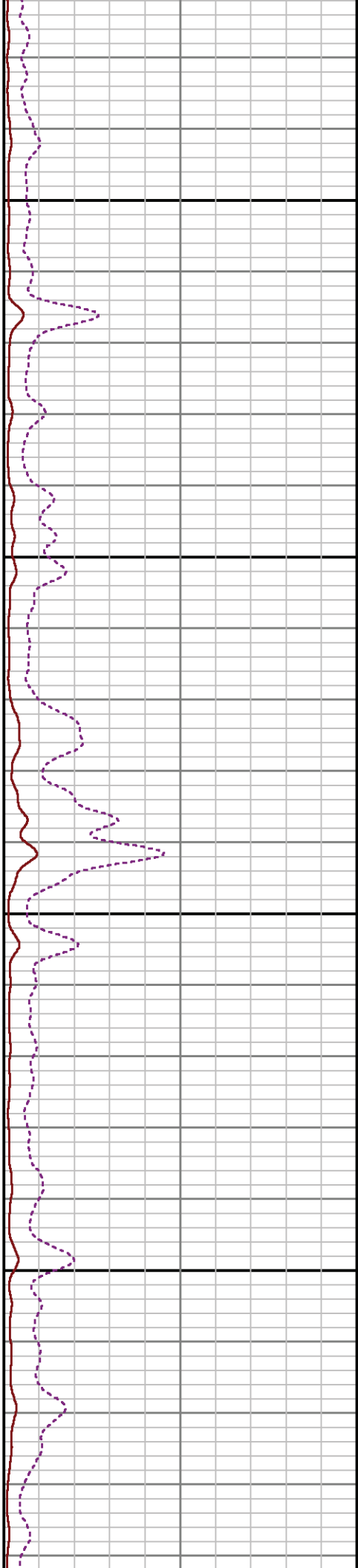
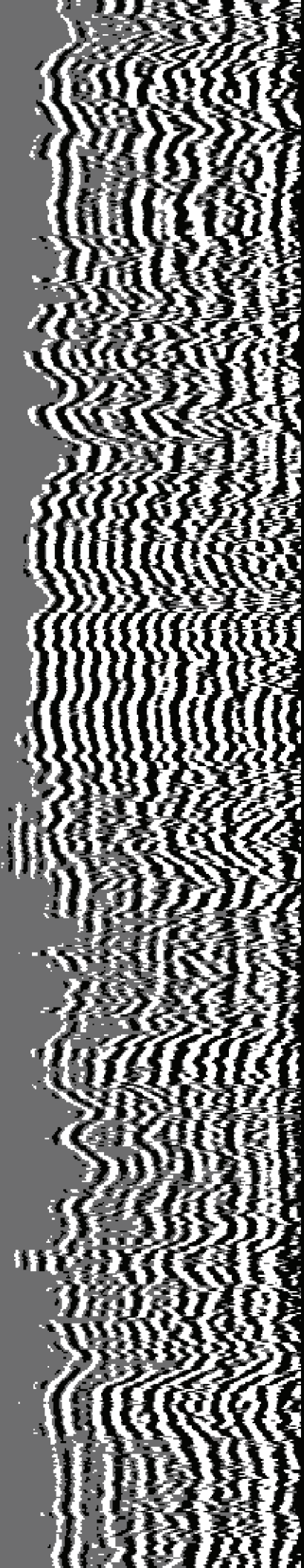




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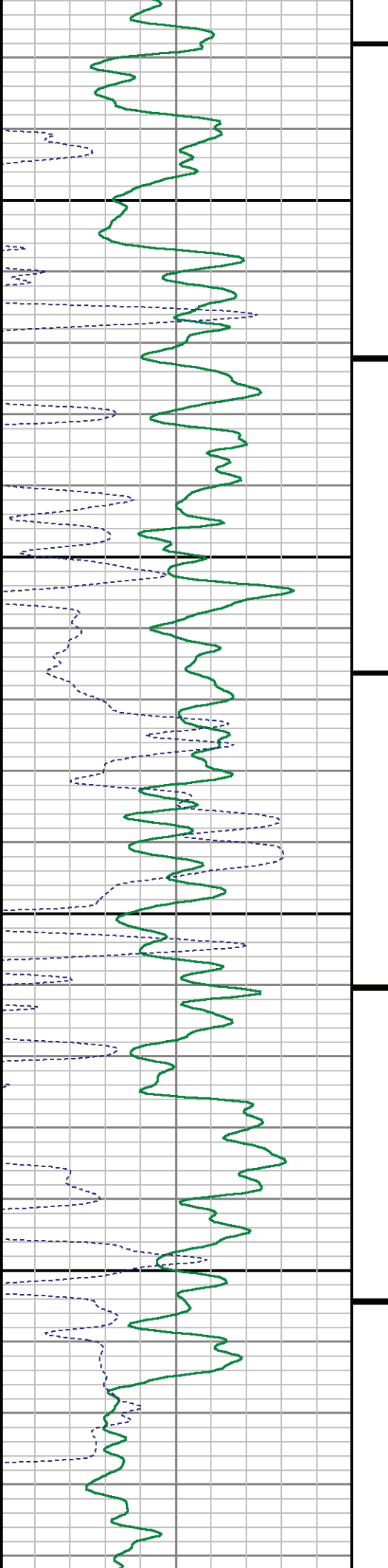
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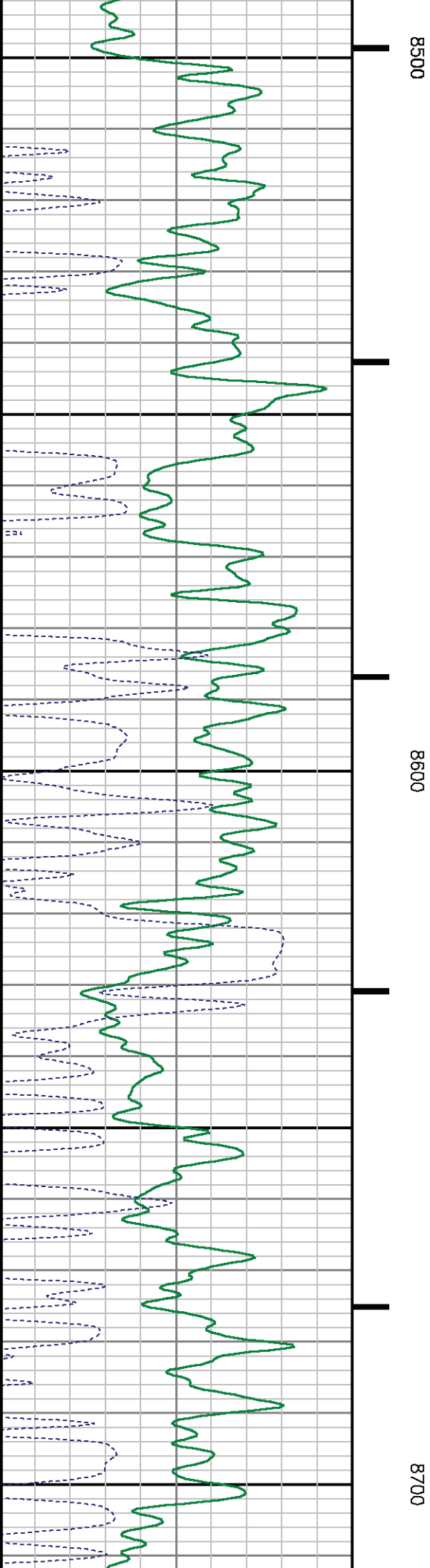
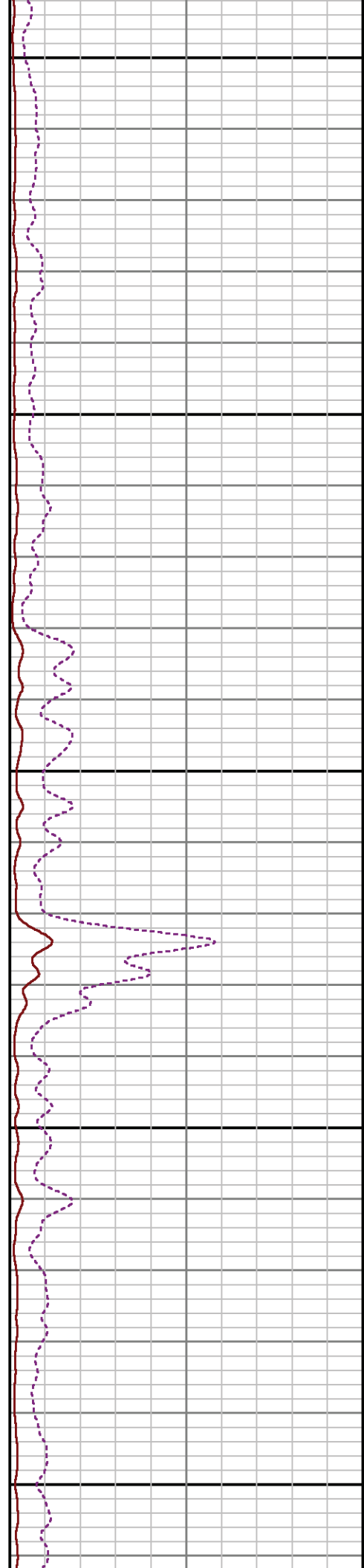
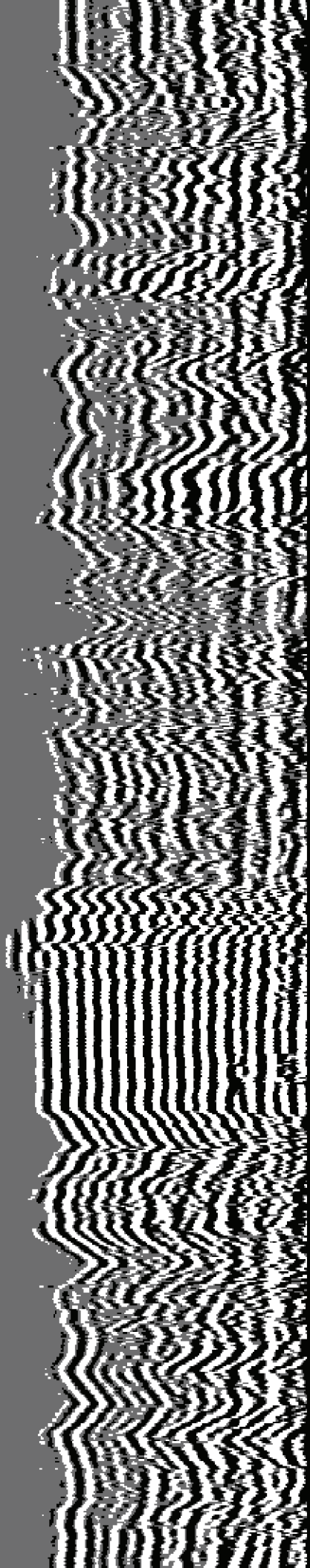


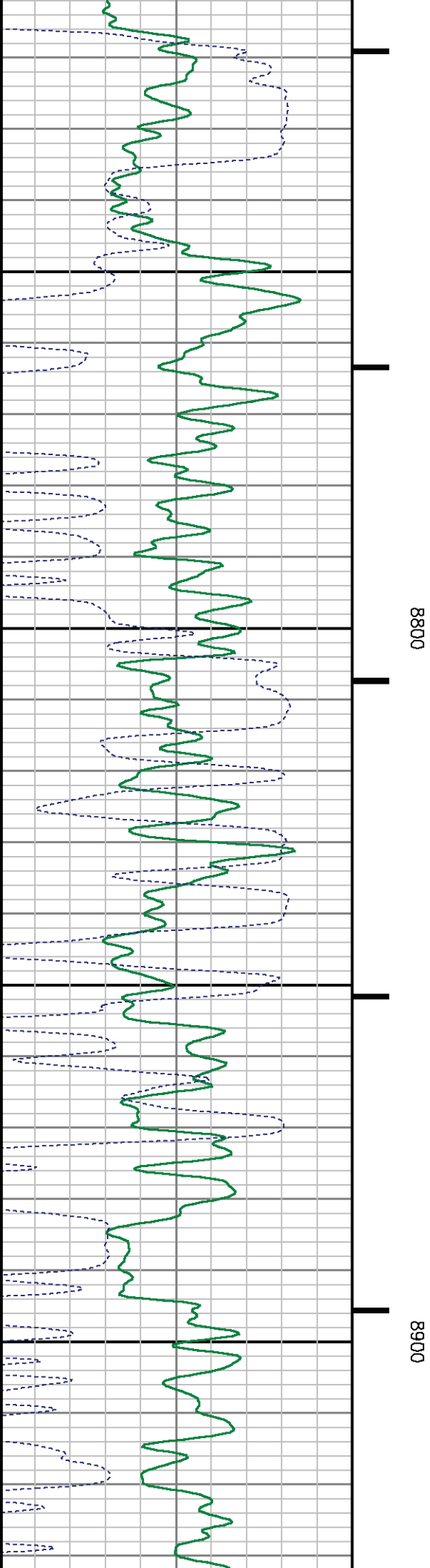
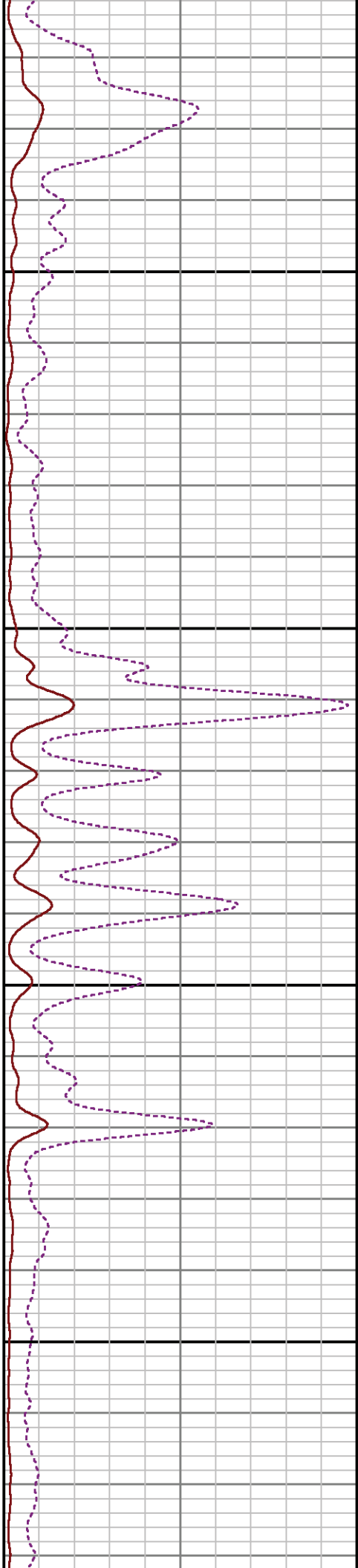
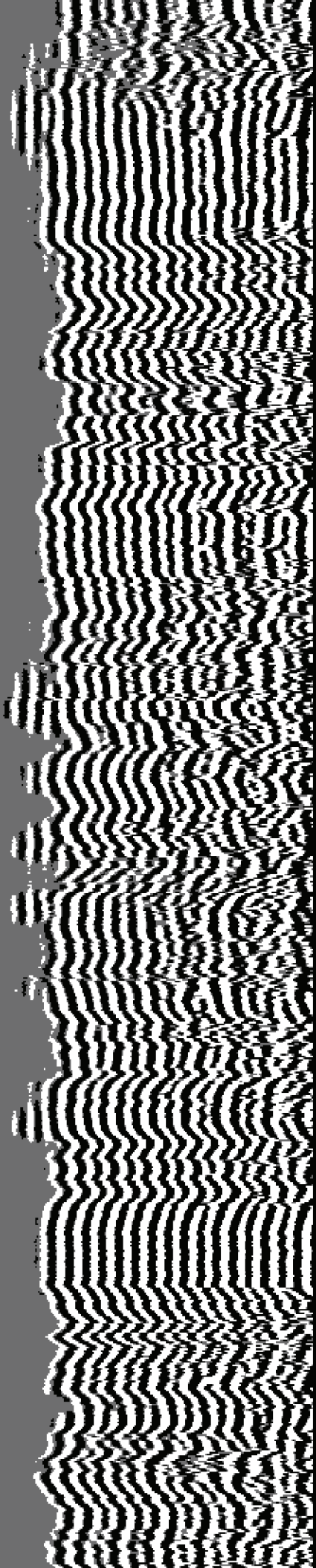


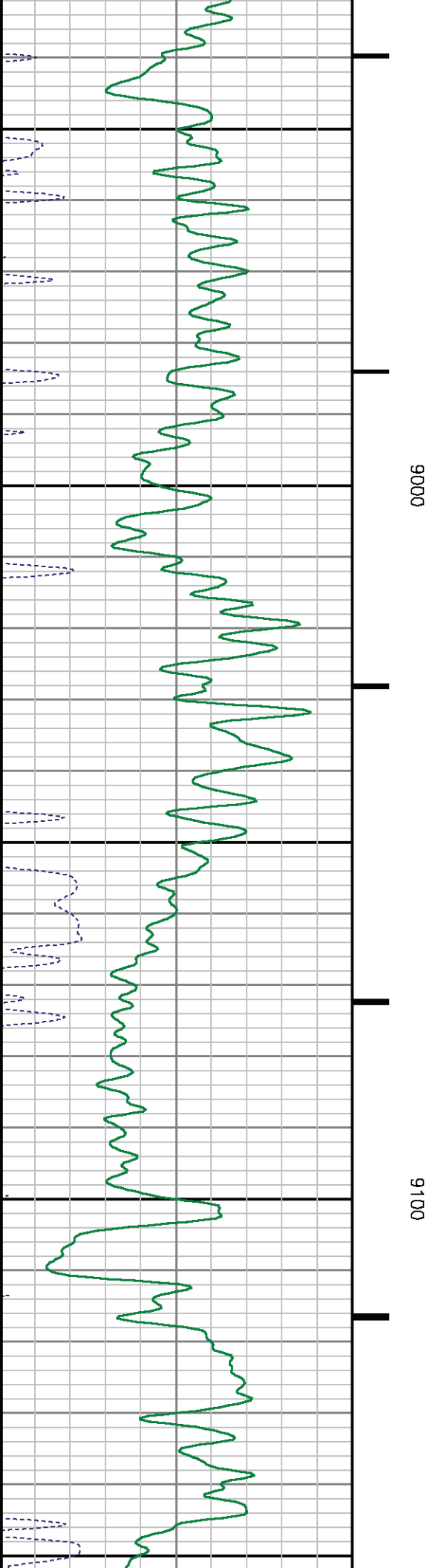
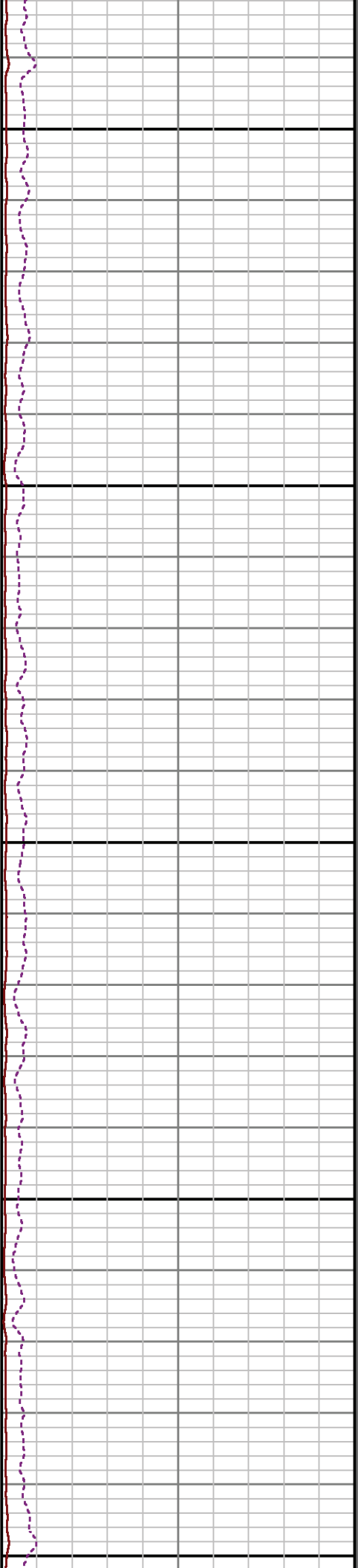
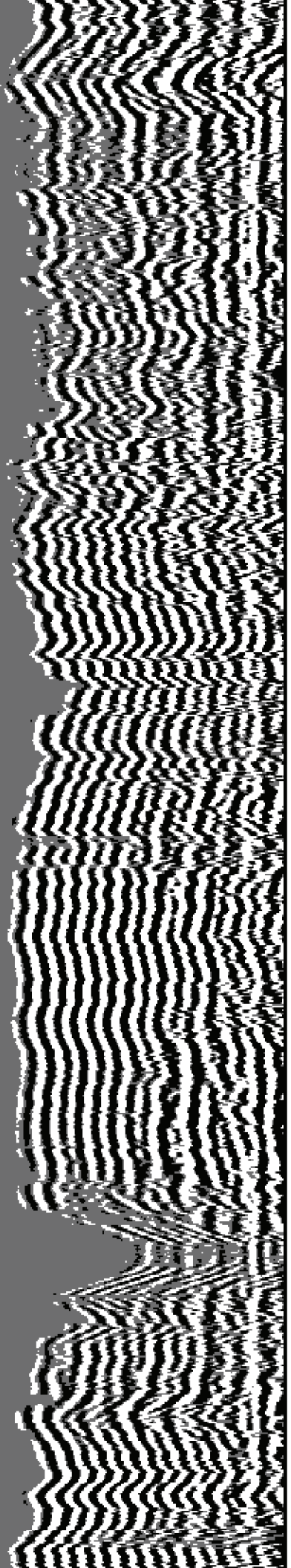
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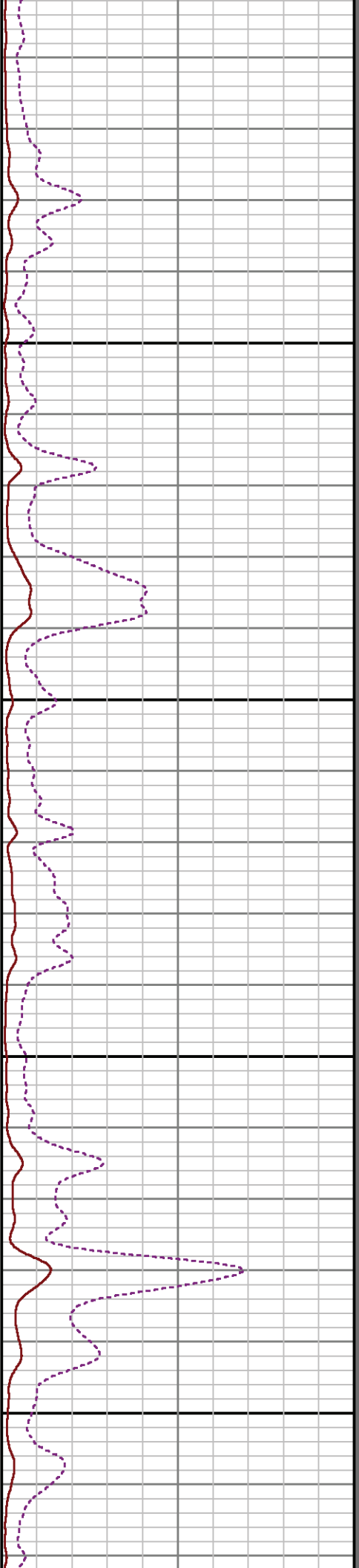
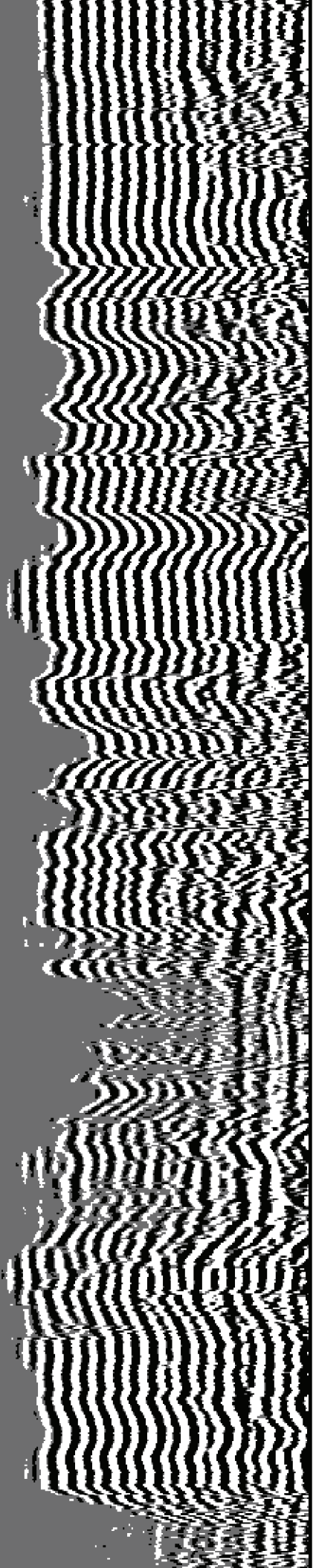
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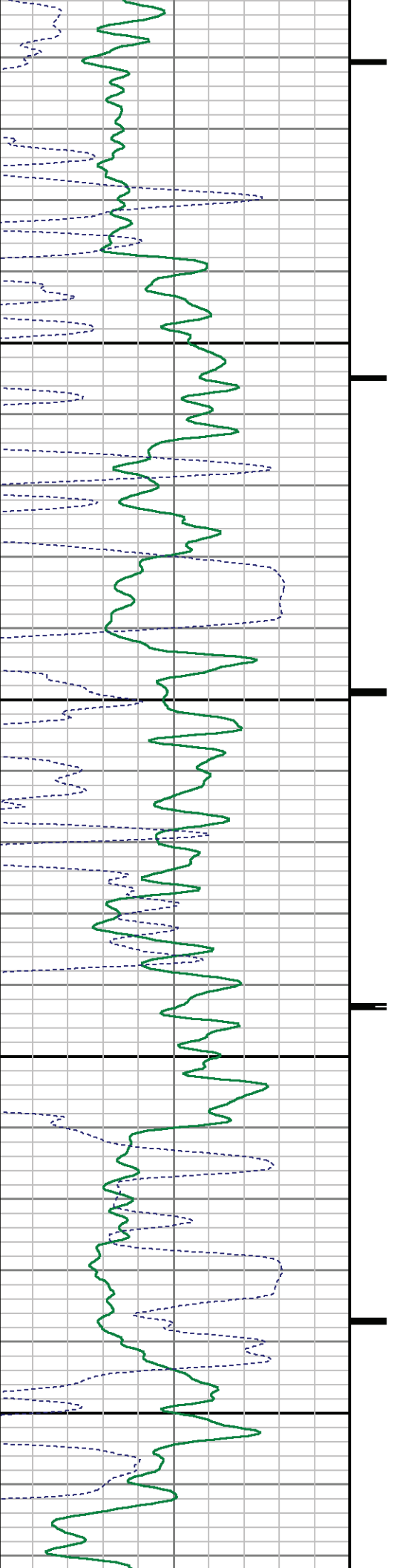


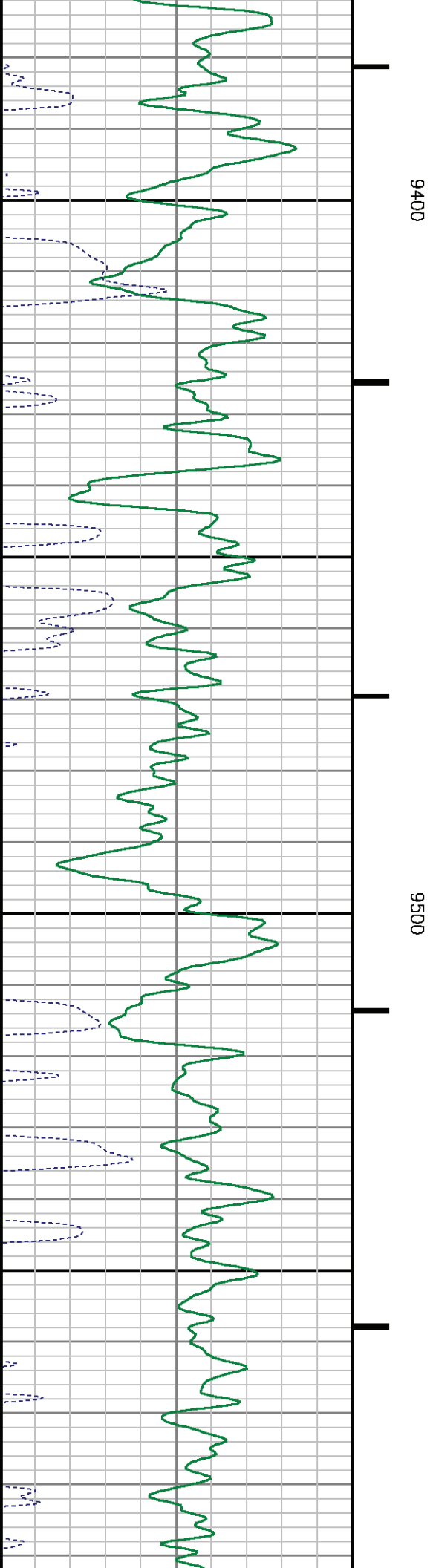
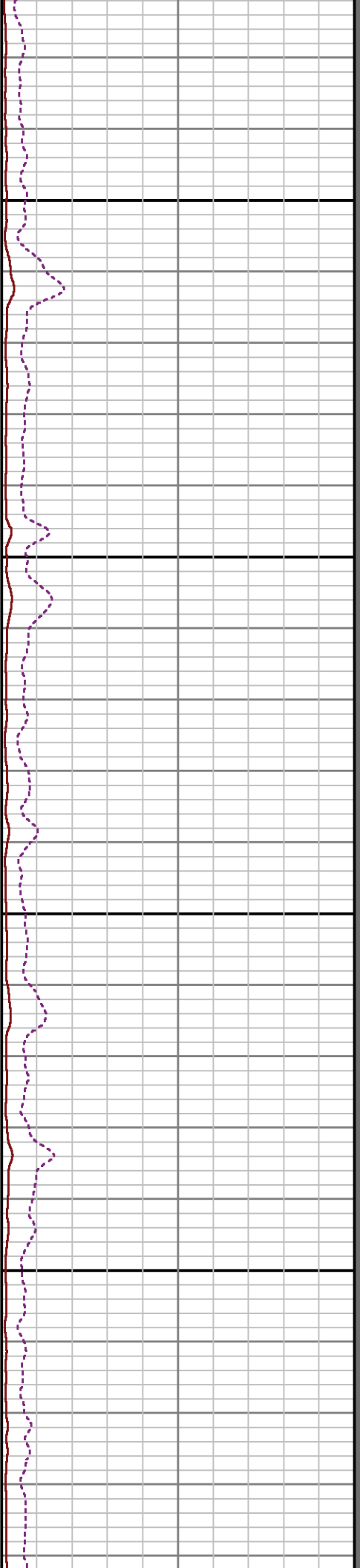
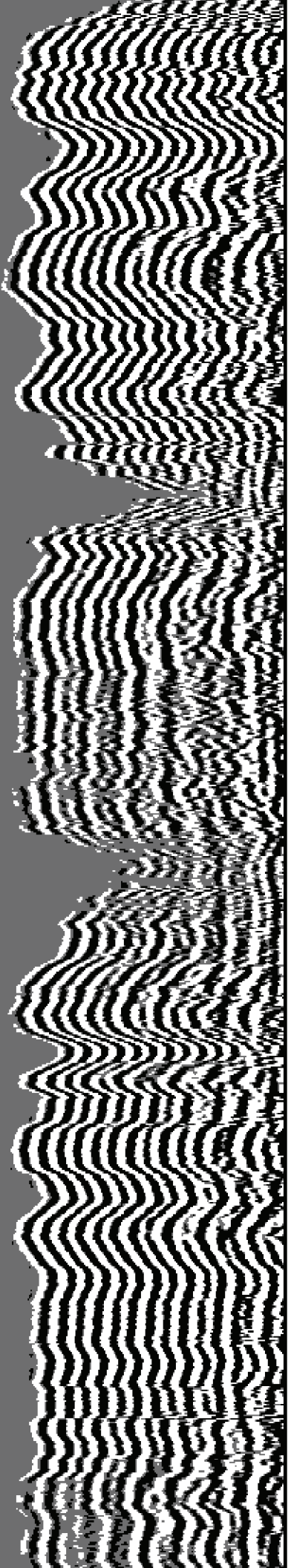


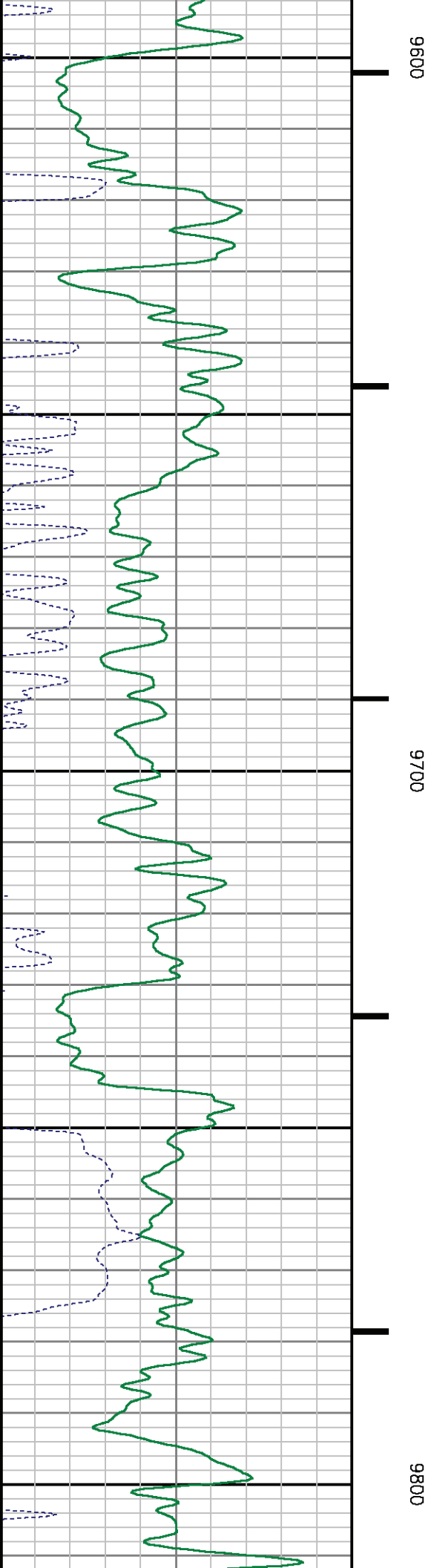
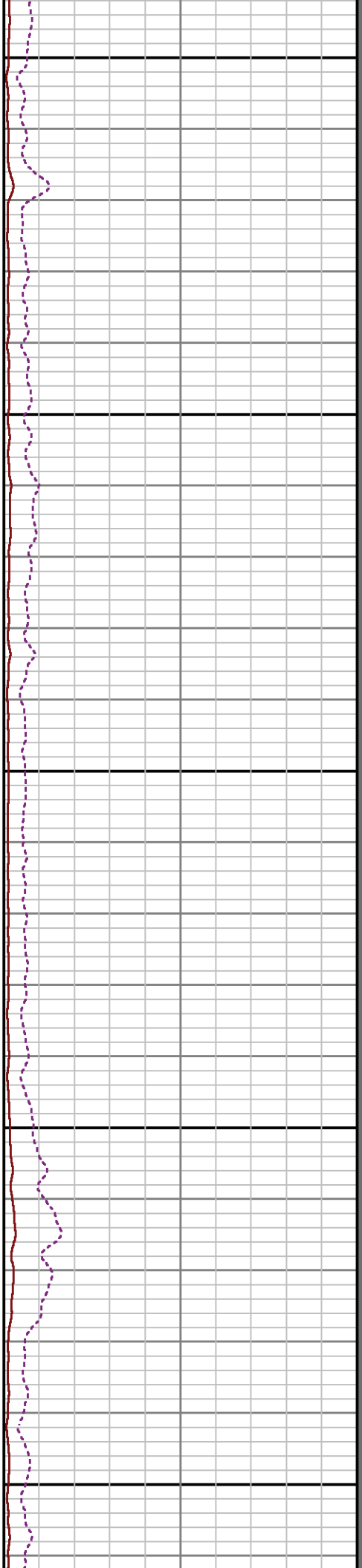
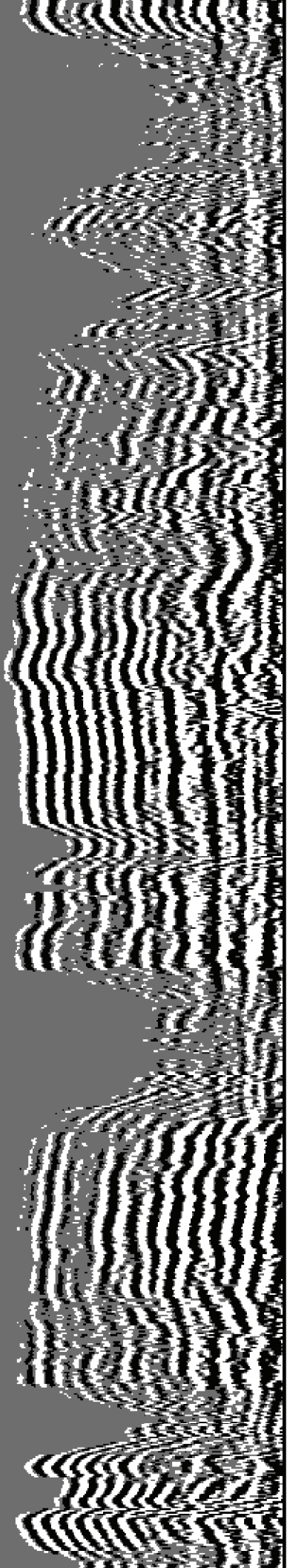


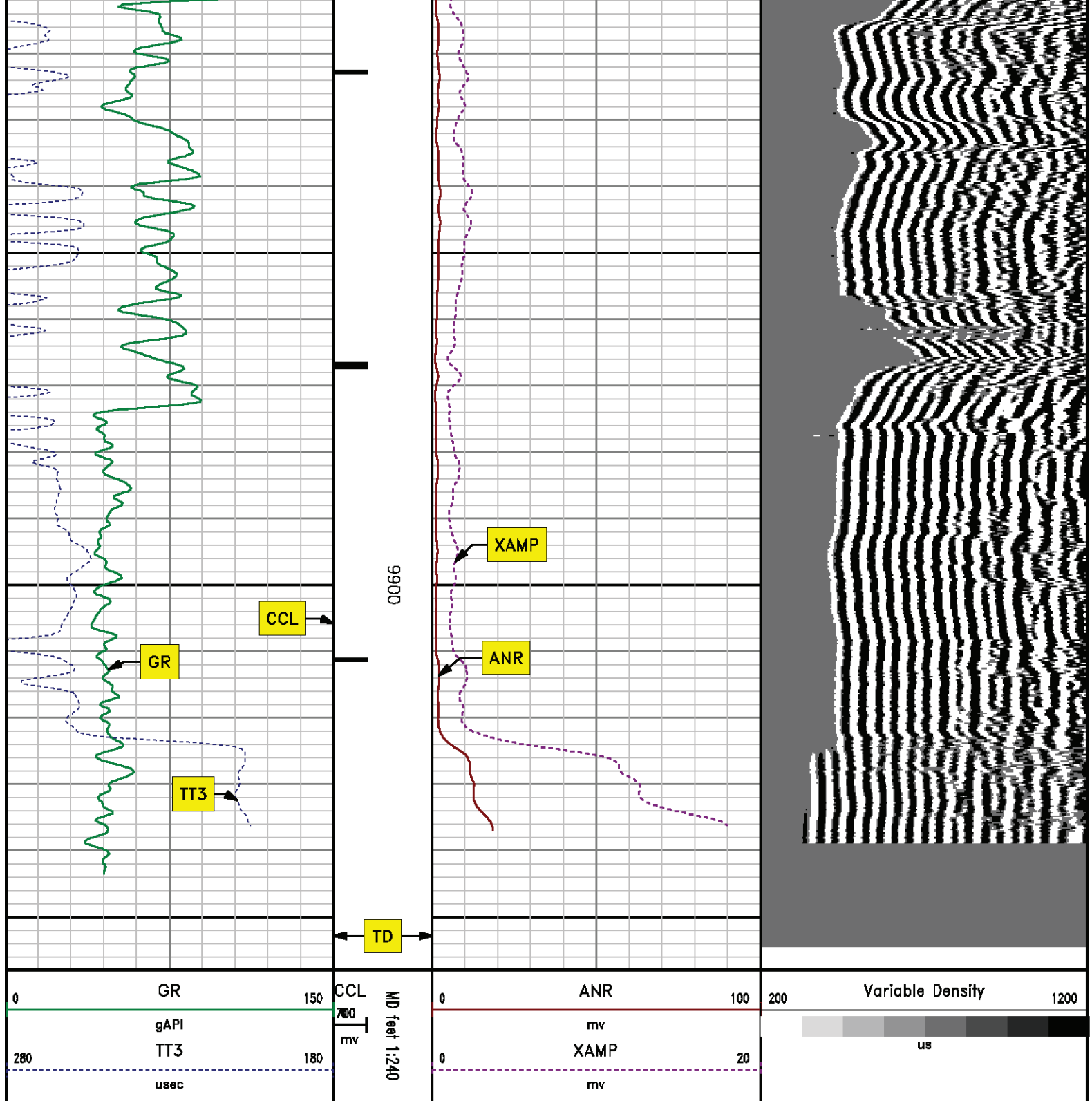
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9300









SECONDARY PRESENTATION
0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	36.405	9954.250
RAL	Amp Gate Start Near	195.000	usec	36.405	9954.250
RAL	Amp Gate Start Radial	195.000	usec	36.405	9954.250
RAL	Amp Gate Width Far	25.000	usec	36.405	9954.250
RAL	Amp Gate Width Near	25.000	usec	36.405	9954.250
RAL	Amp Gate Width Radial	25.000	usec	36.405	9954.250
RAL	casing od	4.500	inches	36.405	9954.250
RAL	casing wt	11.600	lbm/ft	36.405	9954.250
RAL	FB Start Far	291.900	usec	36.405	9954.250
RAL	FB Start Near	175.391	usec	36.405	9954.250
RAL	FB Start Radial	175.391	usec	36.405	9954.250
RAL	FB Thresh Far	10.000	mv	36.405	9954.250
RAL	FB Thresh Near	4.000	mv	36.405	9954.250
RAL	FB Thresh Radial	4.000	mv	36.405	9954.250
RAL	Fluid Travel Time	200.000	usec/ft	36.405	9954.250

DEPTH OFFSETS

(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-16.750	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	-15.750	AFAR	SIG	TT5			
2459XA	-11.340	CCL					
2459XA	-9.490	GR					
2459XA	-4.090	NEU					

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

Well : FEDERAL RU 21-5

File Name : d:\welldata\wpx\federal ru 21-5\21cbl\main.xtf

Mode : PlotMgr 5.4.504

Interval : 0.00 - 9958.00 feet UP

Created : 3/29/2014 12:32:07 PM

