



Radial Cement Bond  
Gamma Ray  
Casing Collar Log

Company	Caerus Piceance LLC.	Country	USA
Well	BJU B26 Fed 21B-27-496		
Field	Grand Valley		
County	Garfield		
State	Colorado		
Company	Caerus Piceance LLC.		
Well	BJU B26 Fed 21B-27-496		
Field	Grand Valley		
County	Garfield		
State	Colorado		
Country	USA		
Location:	API # : 05-045-24447	Other Services	CNL
SEC 26	TWP 4S	RGE 96W	
Permanent Datum	Ground Level	Elevation	8211'
Log Measured From	Kelly Bushing		
Drilling Measured From	Kelly Bushing		
Elevation			K.B. 8241' D.F. 8240' G.L. 8211'

Date 11-OCT-2022

Run Number	One		
Depth Driller	12624 FT		
Depth Logger	12474 FT		
Bottom Logged Interval	12460 FT		
Top Log Interval	Surface		
Open Hole Size	8.750"		
Type Fluid	Fresh Water		
Density / Viscosity	8.34 lb/gal		
Max. Recorded Temp.	297° F		
Estimated Cement Top	See Log		
Time Well Ready	ROA		
Time Logger on Bottom	12:30		
Equipment Number	8053		
Location	Grand Junction Colo		
Recorded By	A. Ellsworth		
Witnessed By	Z. Fisher		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
	8.75"	Surface	12624 FT				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.625"	36	Surface	3029.2 FT
Prot. String	4.5"	11.6	Surface	12593.3 FT
Production String				
Liner				

<<<< Fold Here >>>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments



Log ran as per customer request.  
Depth referenced to Kelly Bushing @ 30FT  
Marker Joint from 8015 FT - 8025 FT  
Log ran from 12474 FT to Surface  
Log ran with 0 PSI surface induced pressure.

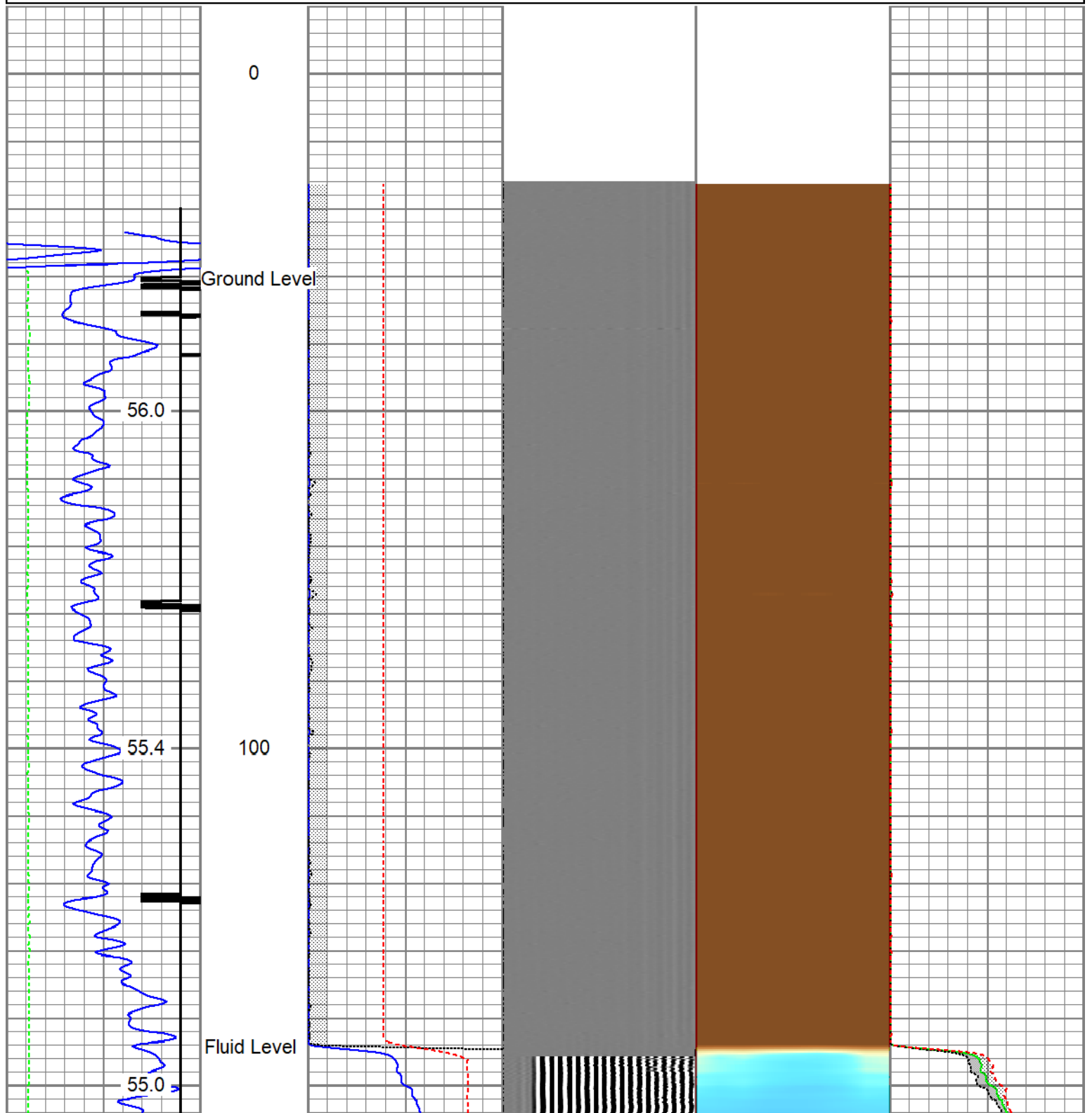
Thank you for choosing The Wireline Group!!!

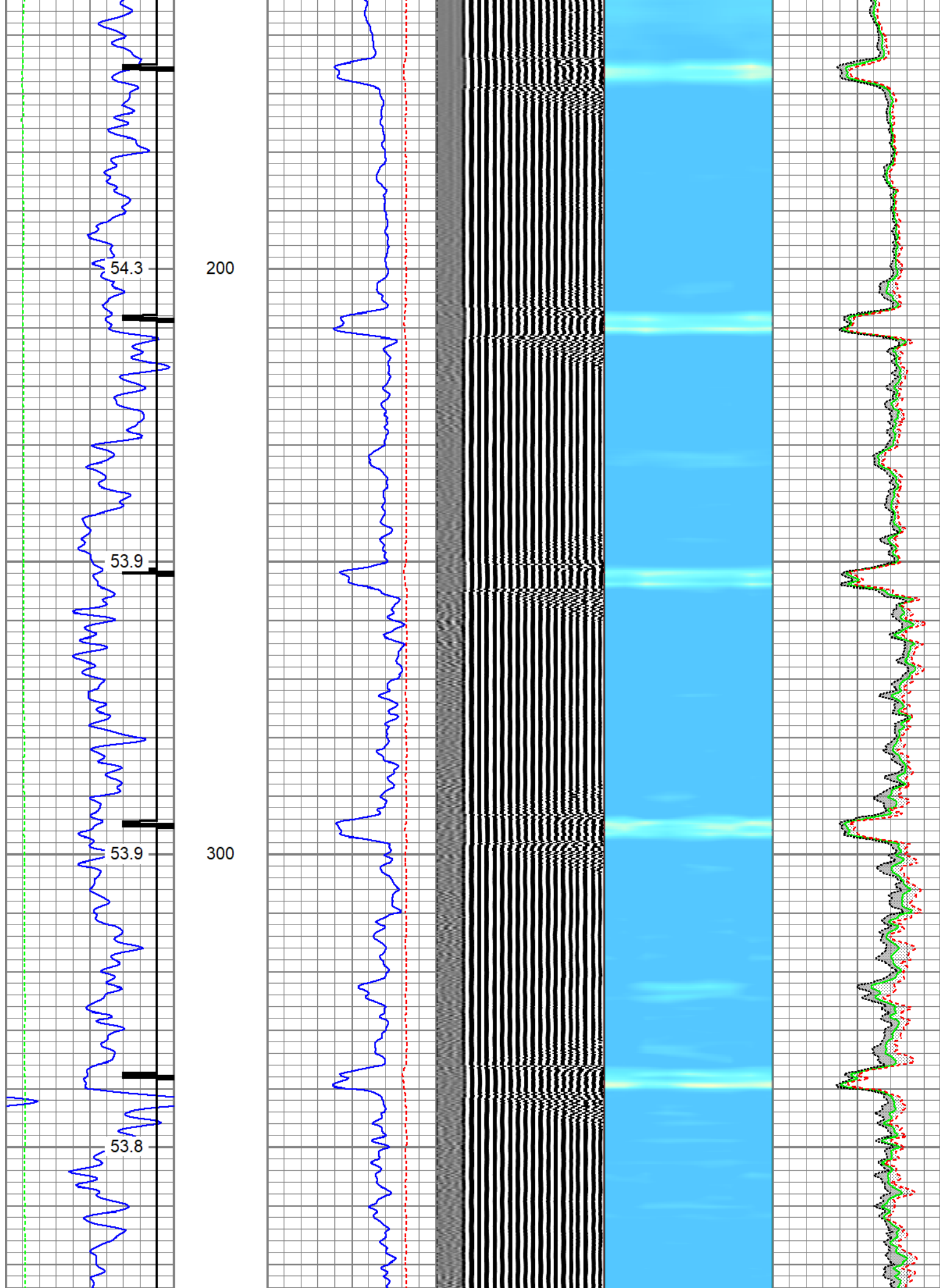


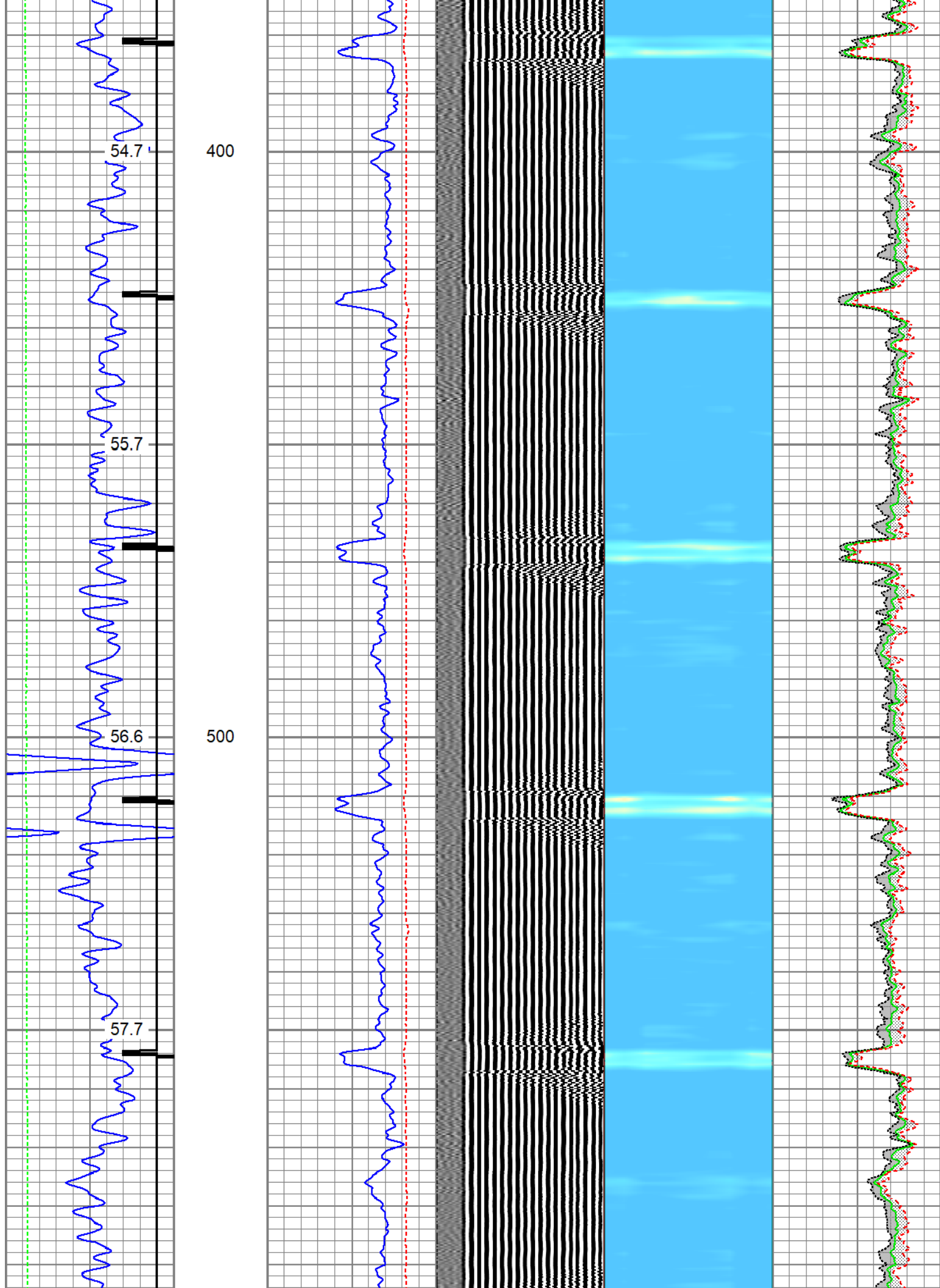
Main Pass 5" = 100'

Database File caerus\_bju b26 fed 21b-27-496\_rcbl\_cnl\_10-10-2022.db  
Dataset Pathname main  
Presentation Format twgrcbl  
Dataset Creation Tue Oct 11 15:12:24 2022  
Charted by Depth in Feet scaled 1:240

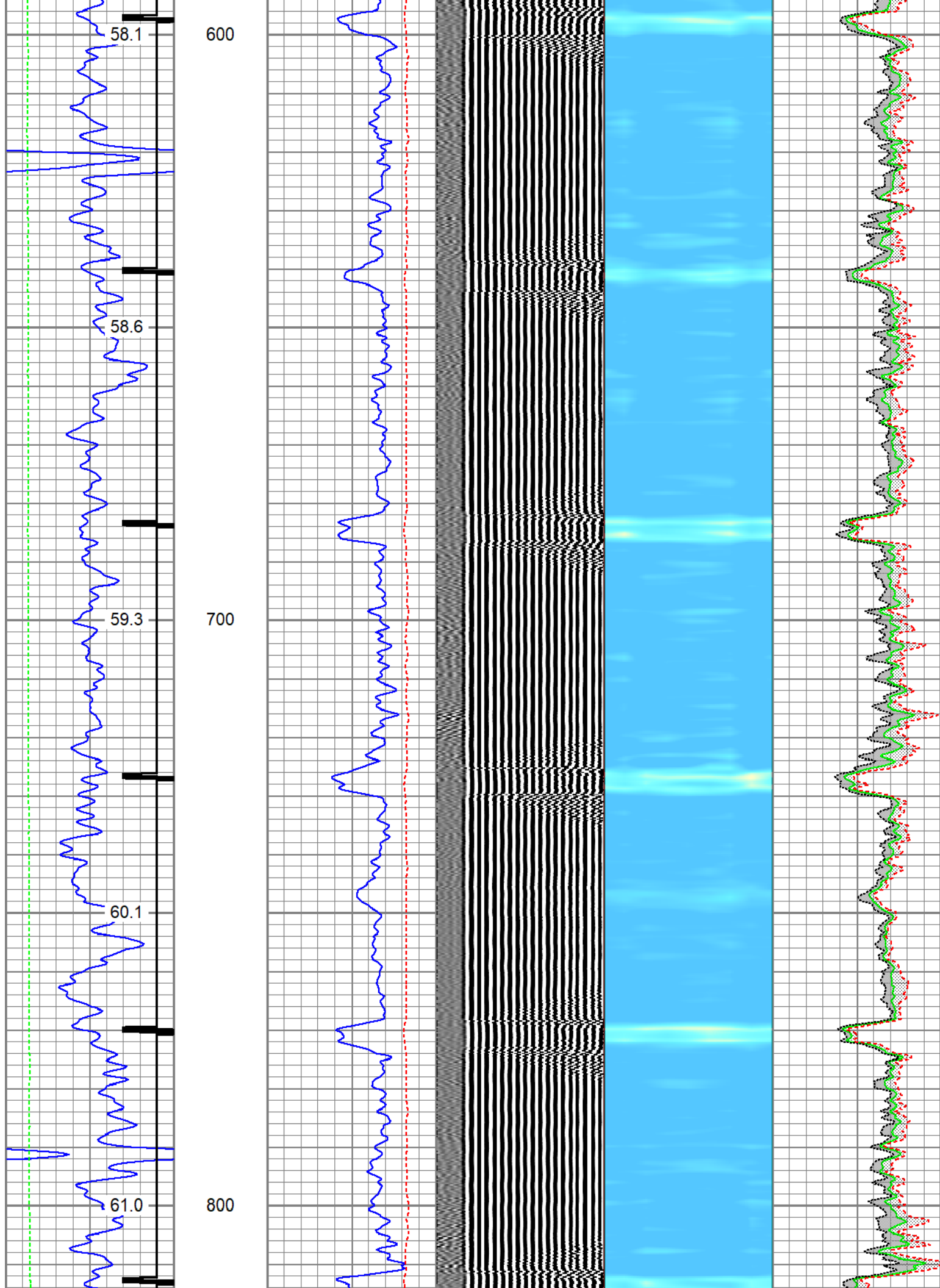
Gamma Ray			3' Amplitude			5' Variable Density Log			Sector Map			Average Amplitude		
0	(GAPI)	150	0	(mV)	100	200	(usec)	1200				0		120
Line Tension			3' Amplitude x 5									Minimum Amplitude		
0	(lb)	3000	0	(mV)	20							0		120
-9	CCL	1	3' Travel Time									Maximum Amplitude		
			650	(usec)	150							0		120

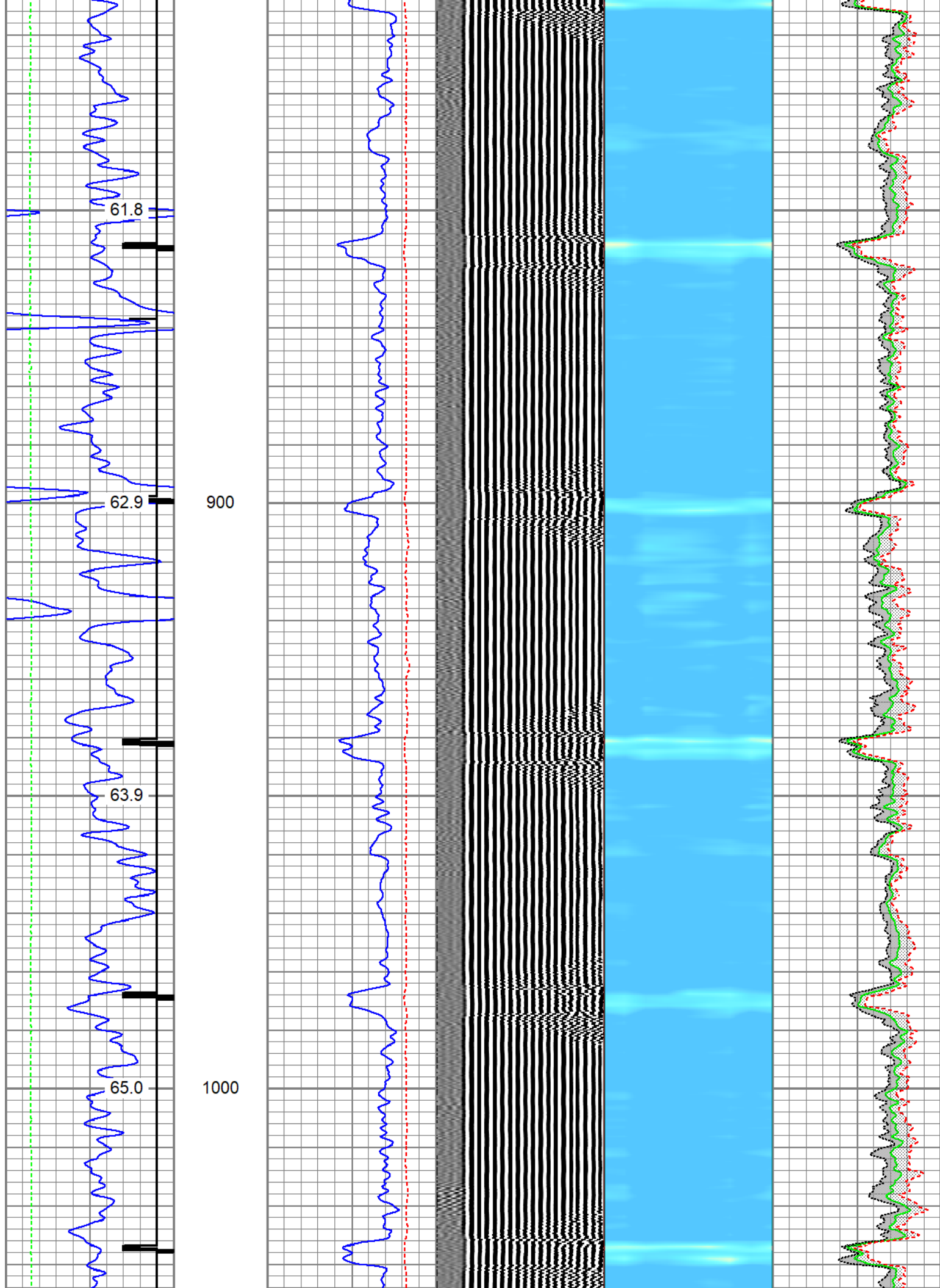


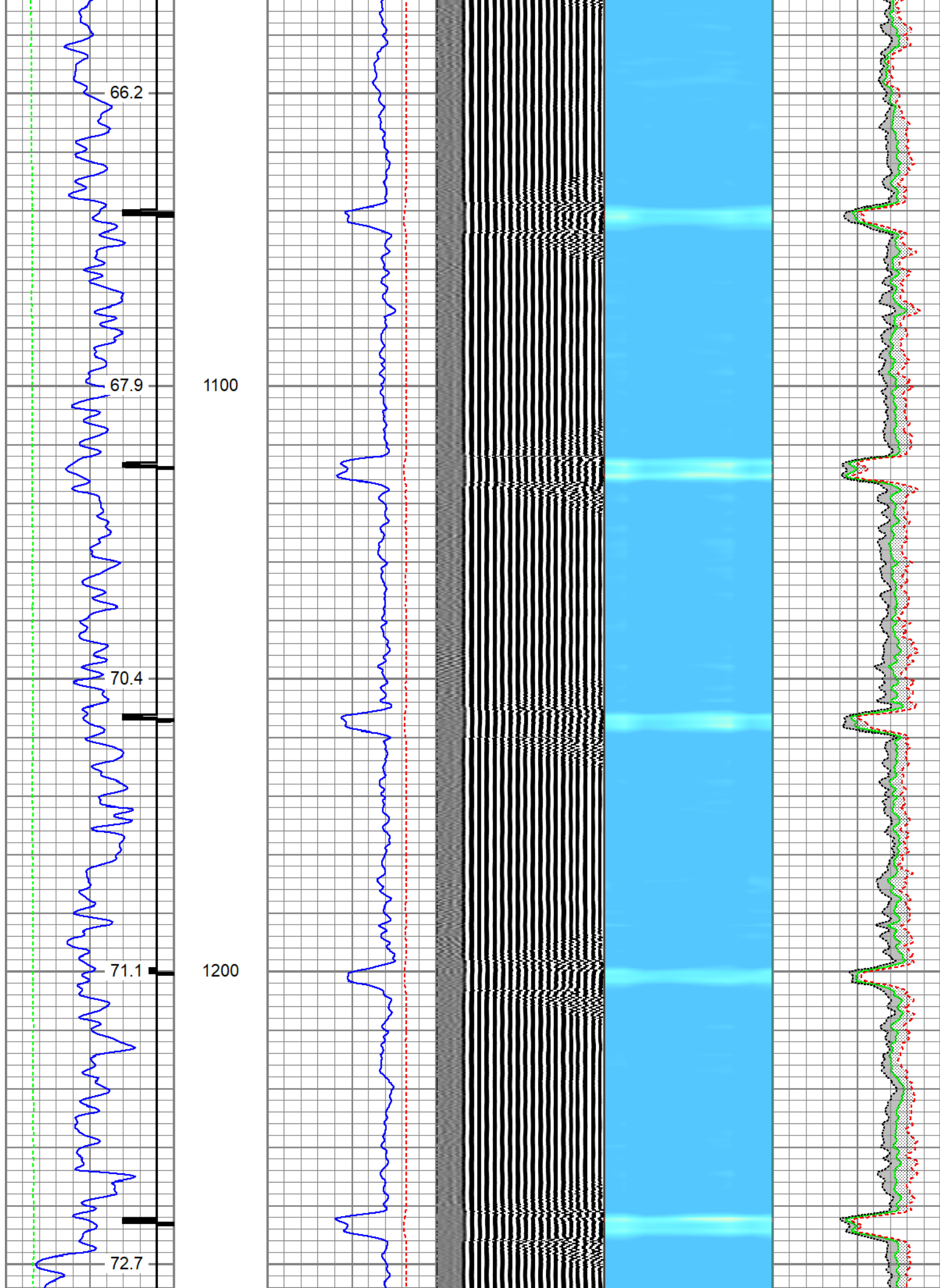


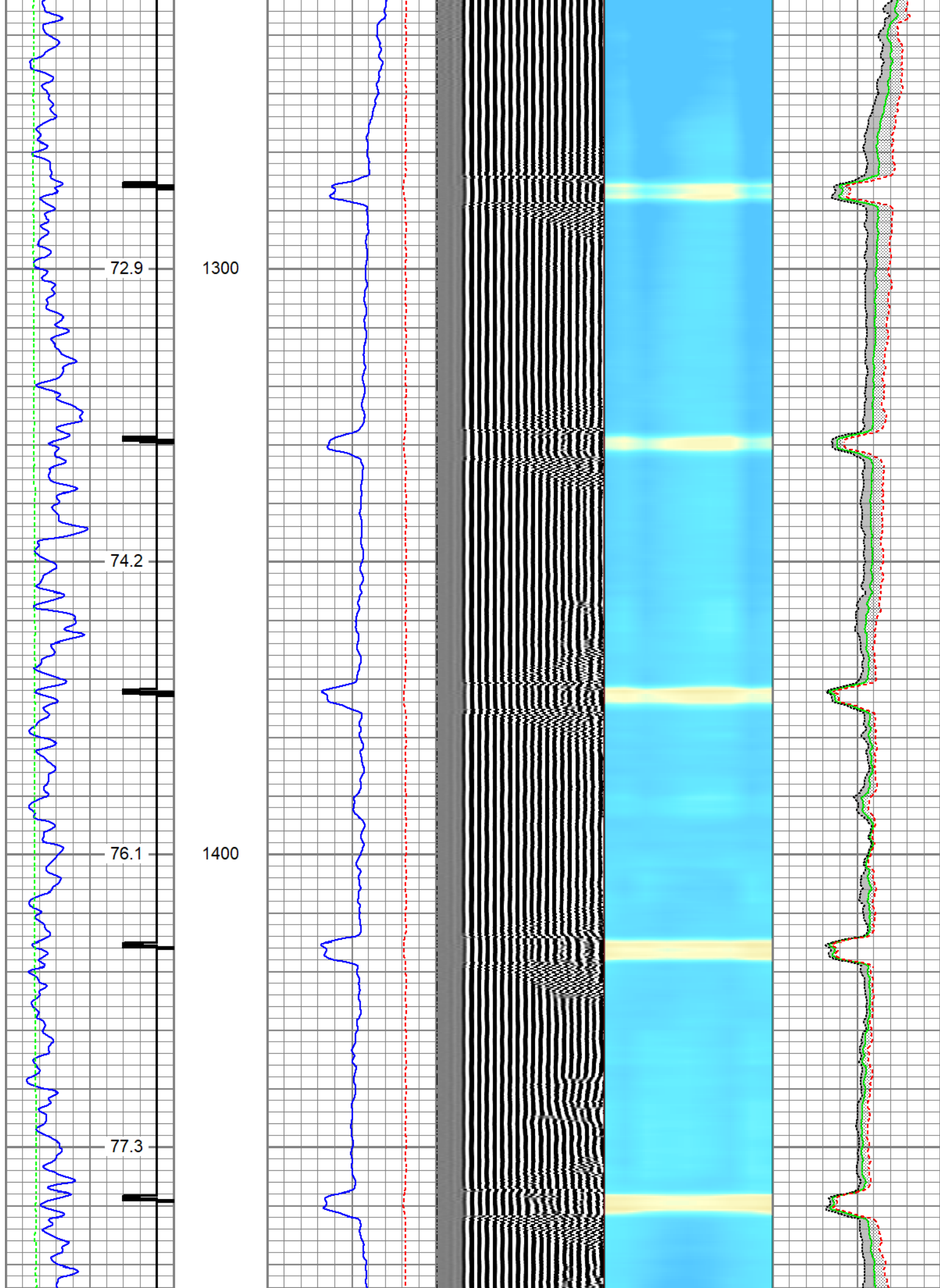




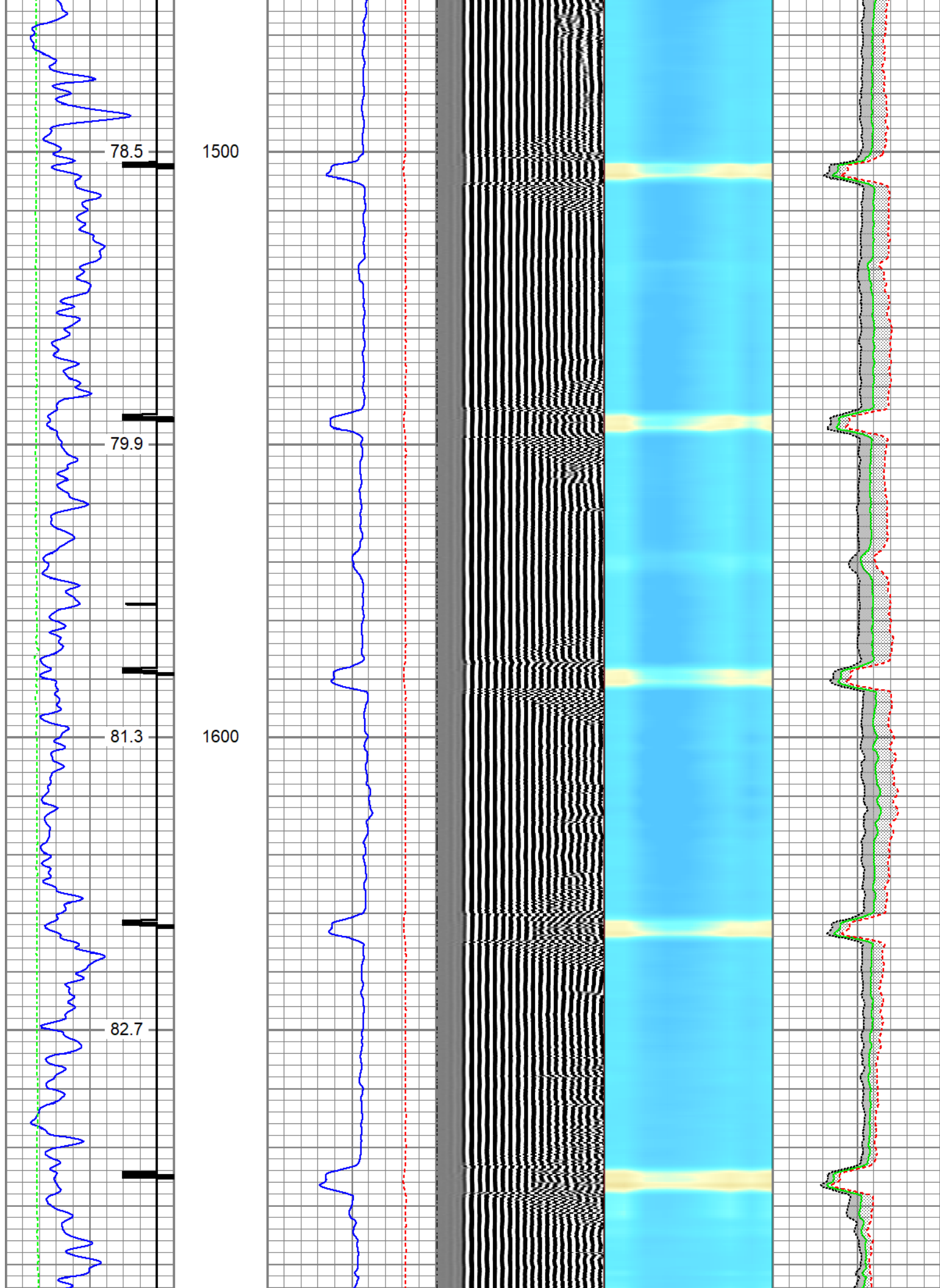


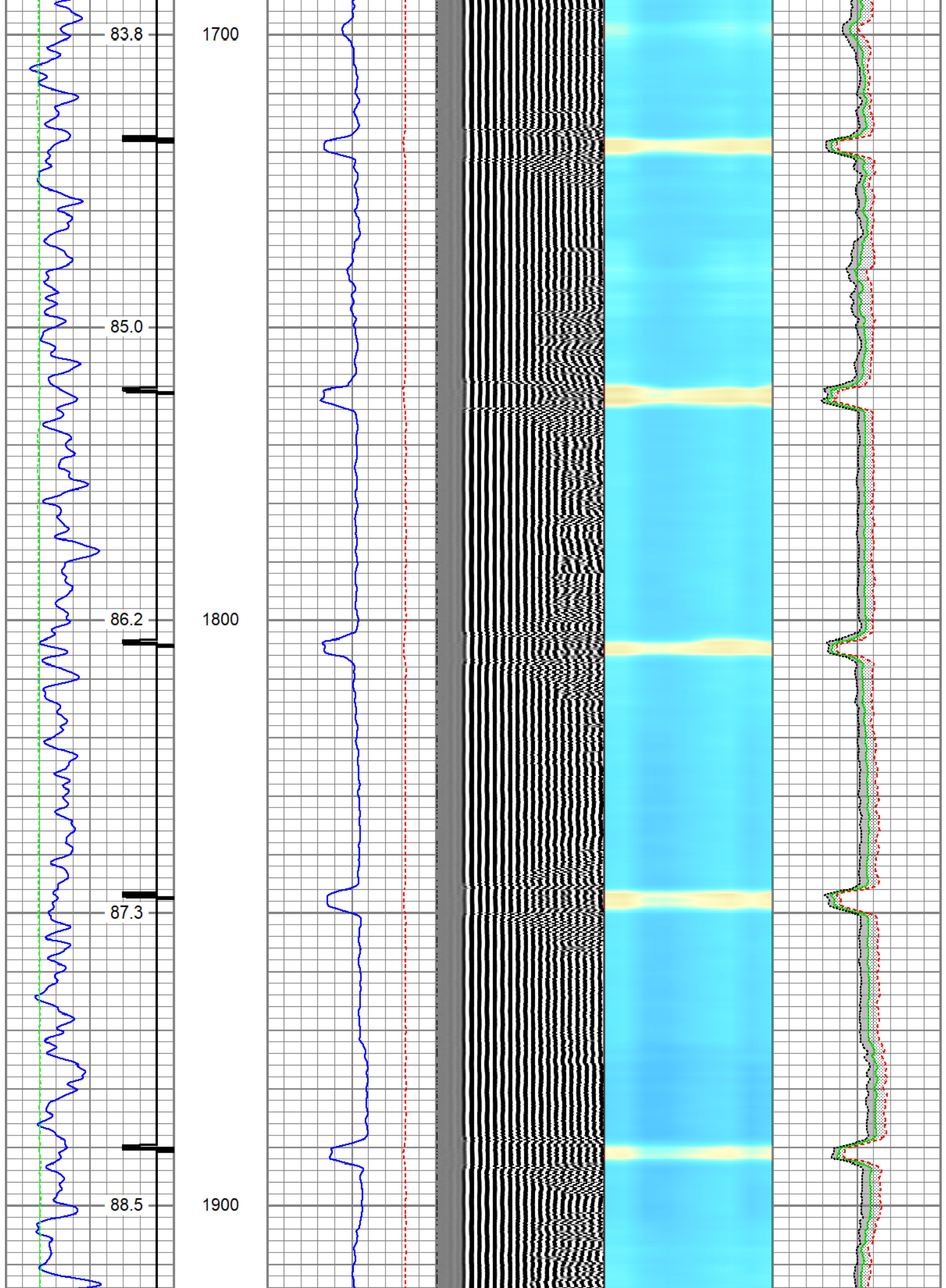


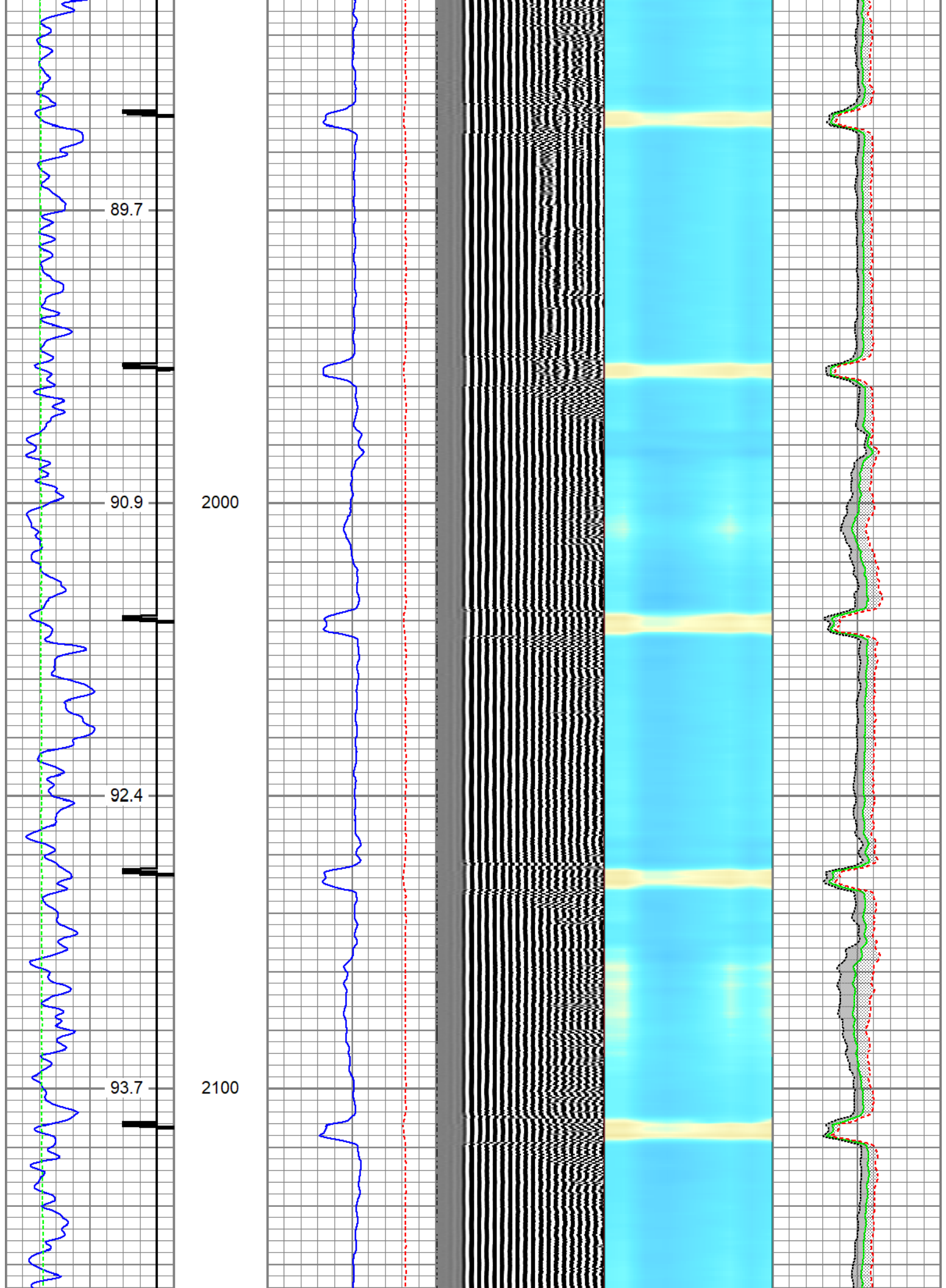




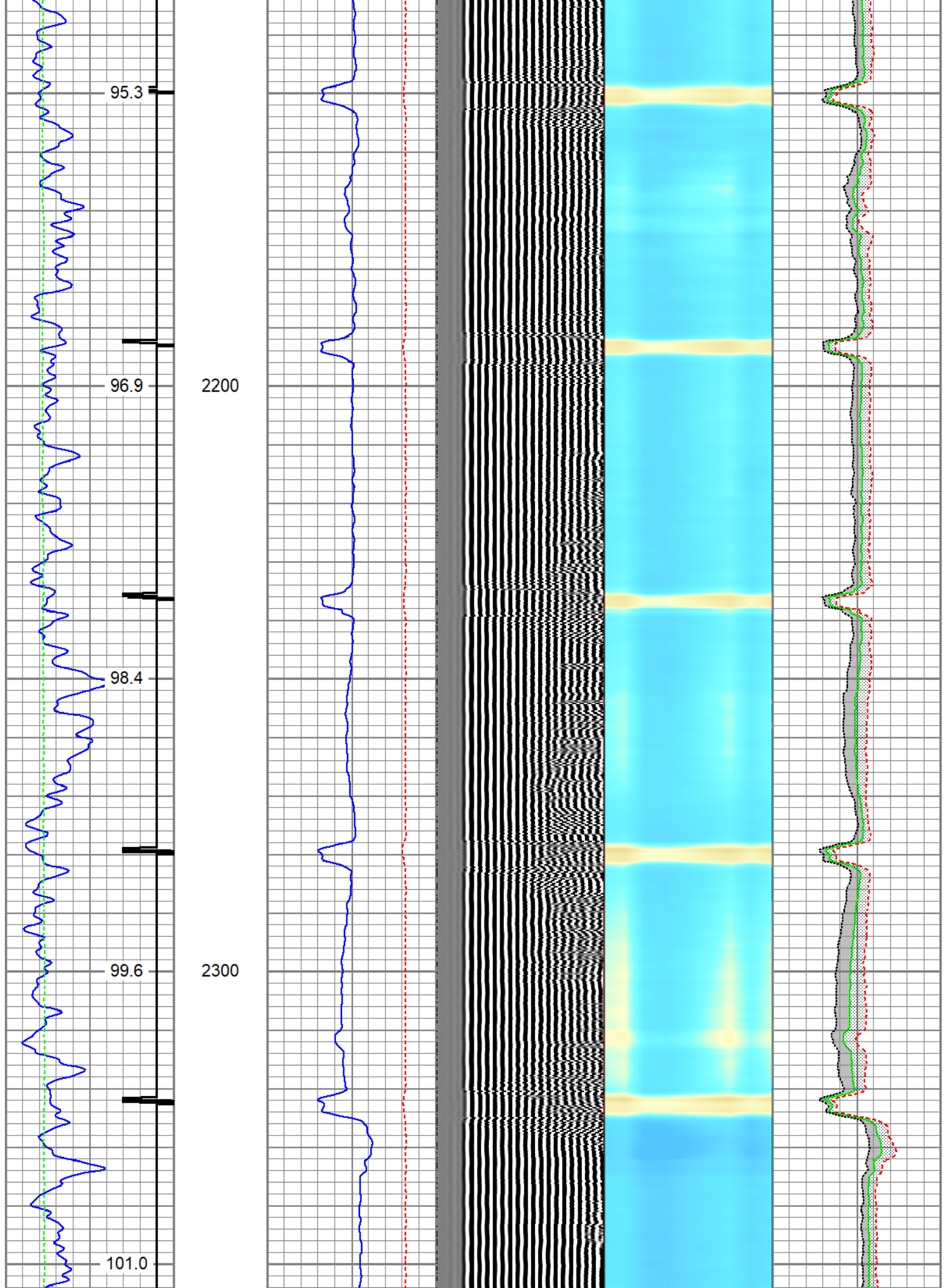




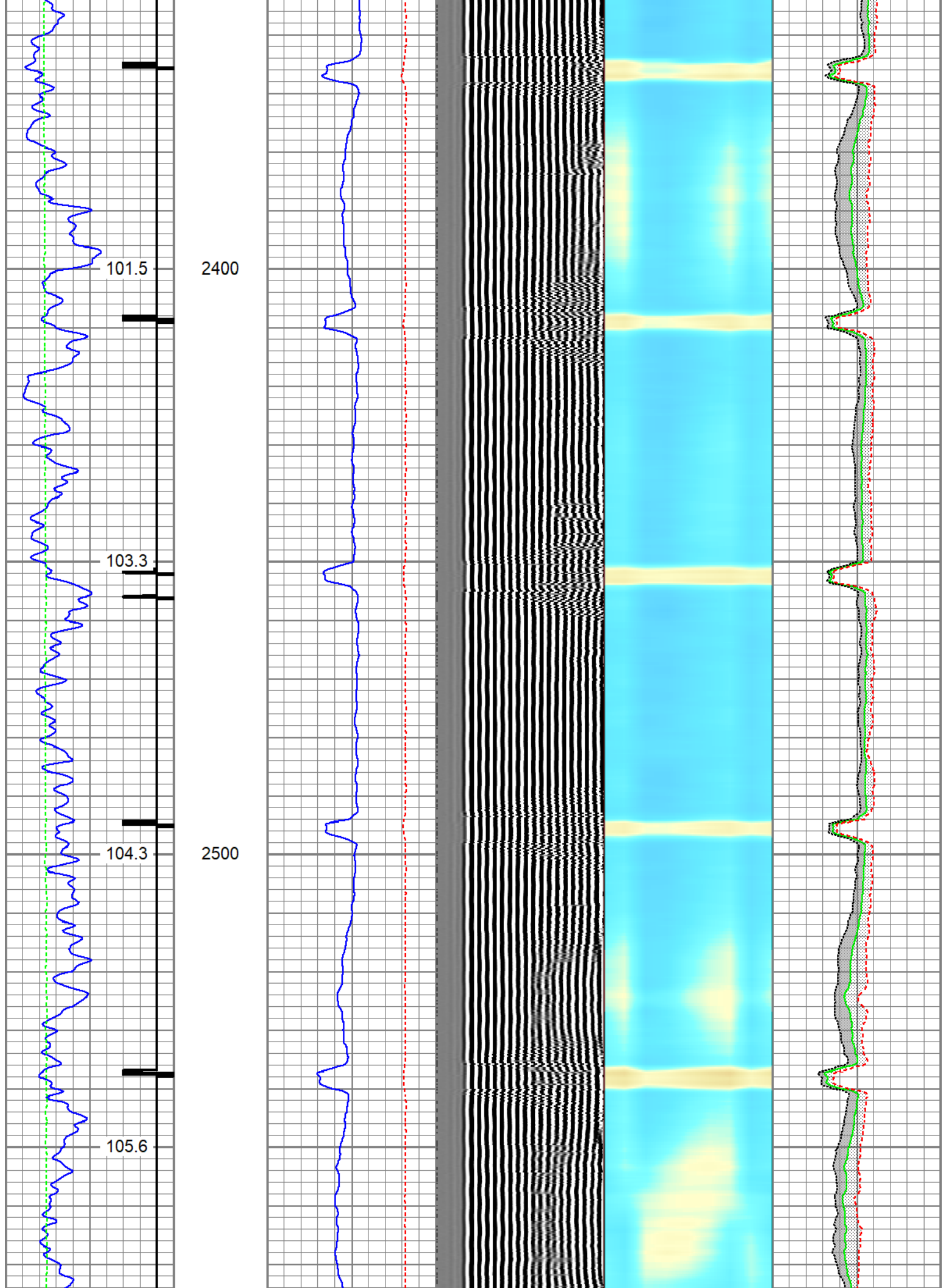


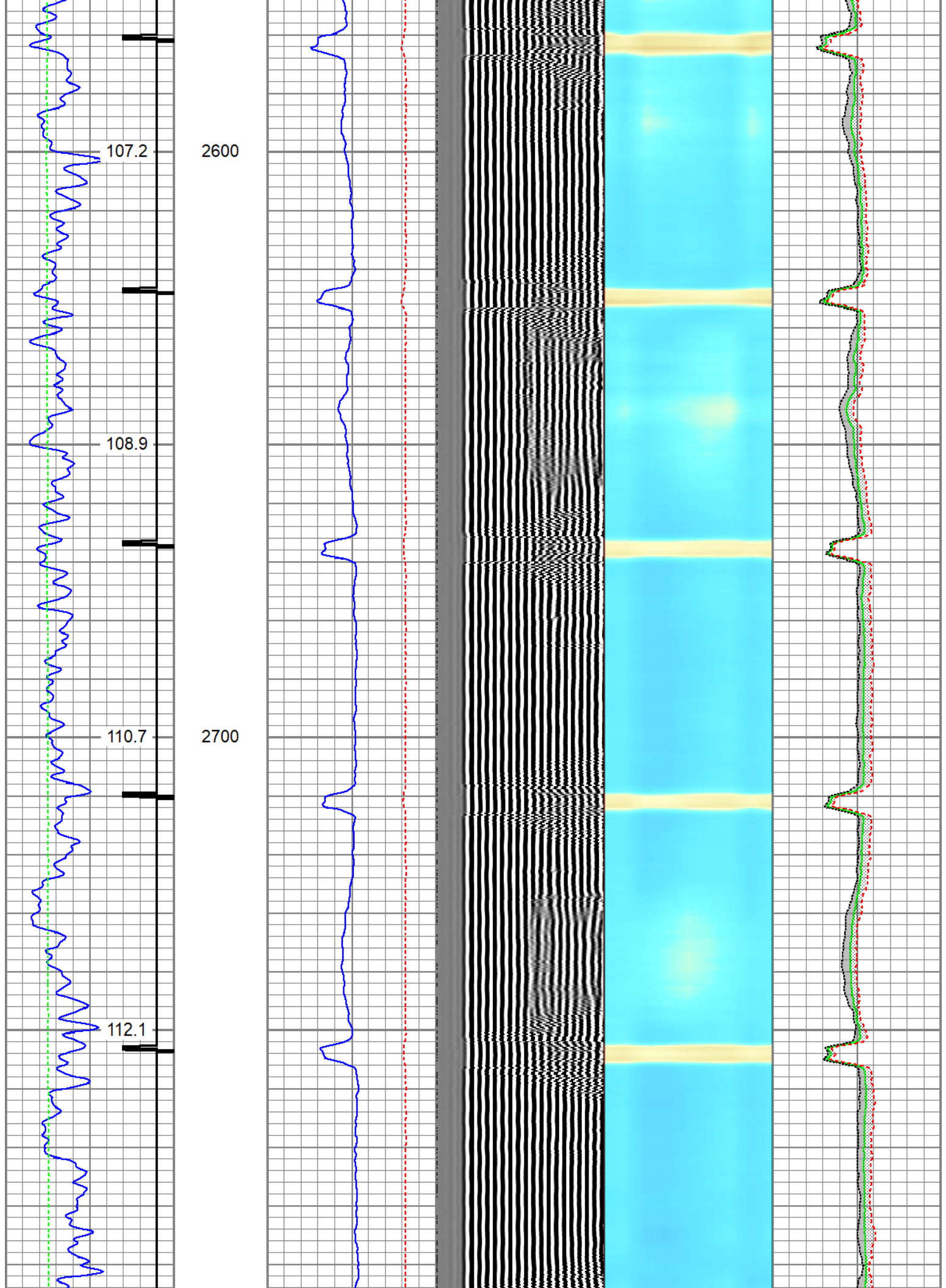


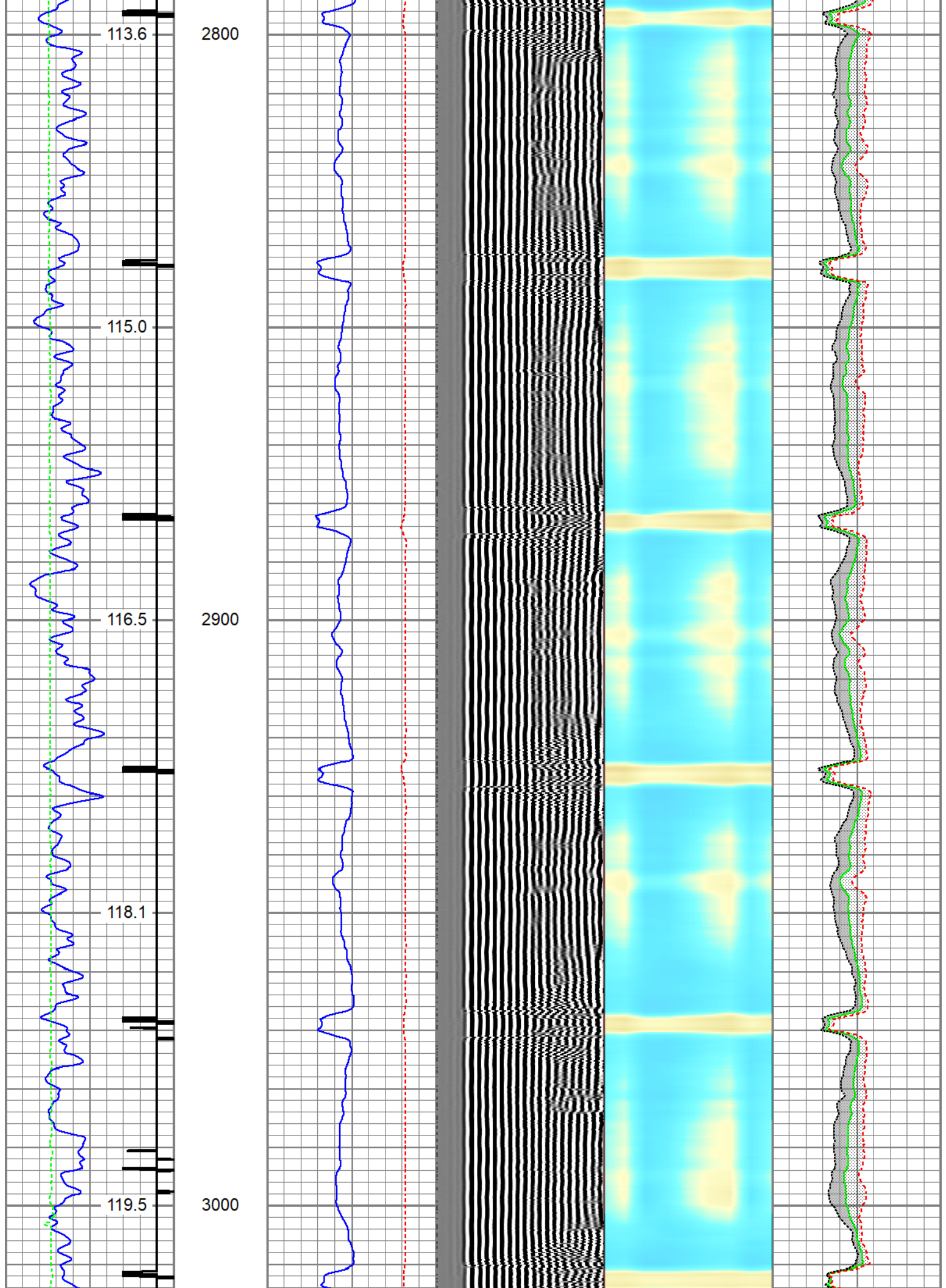




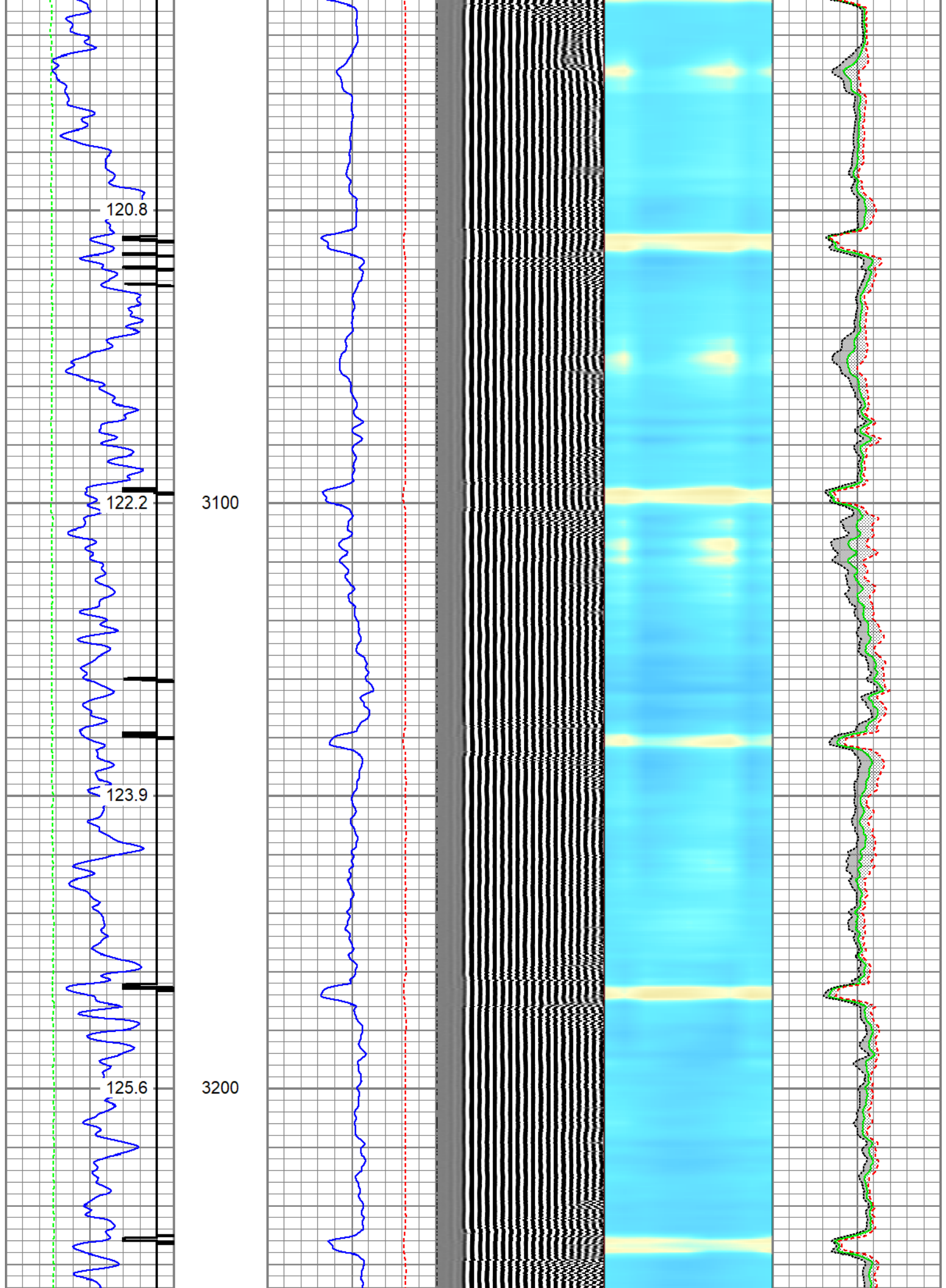




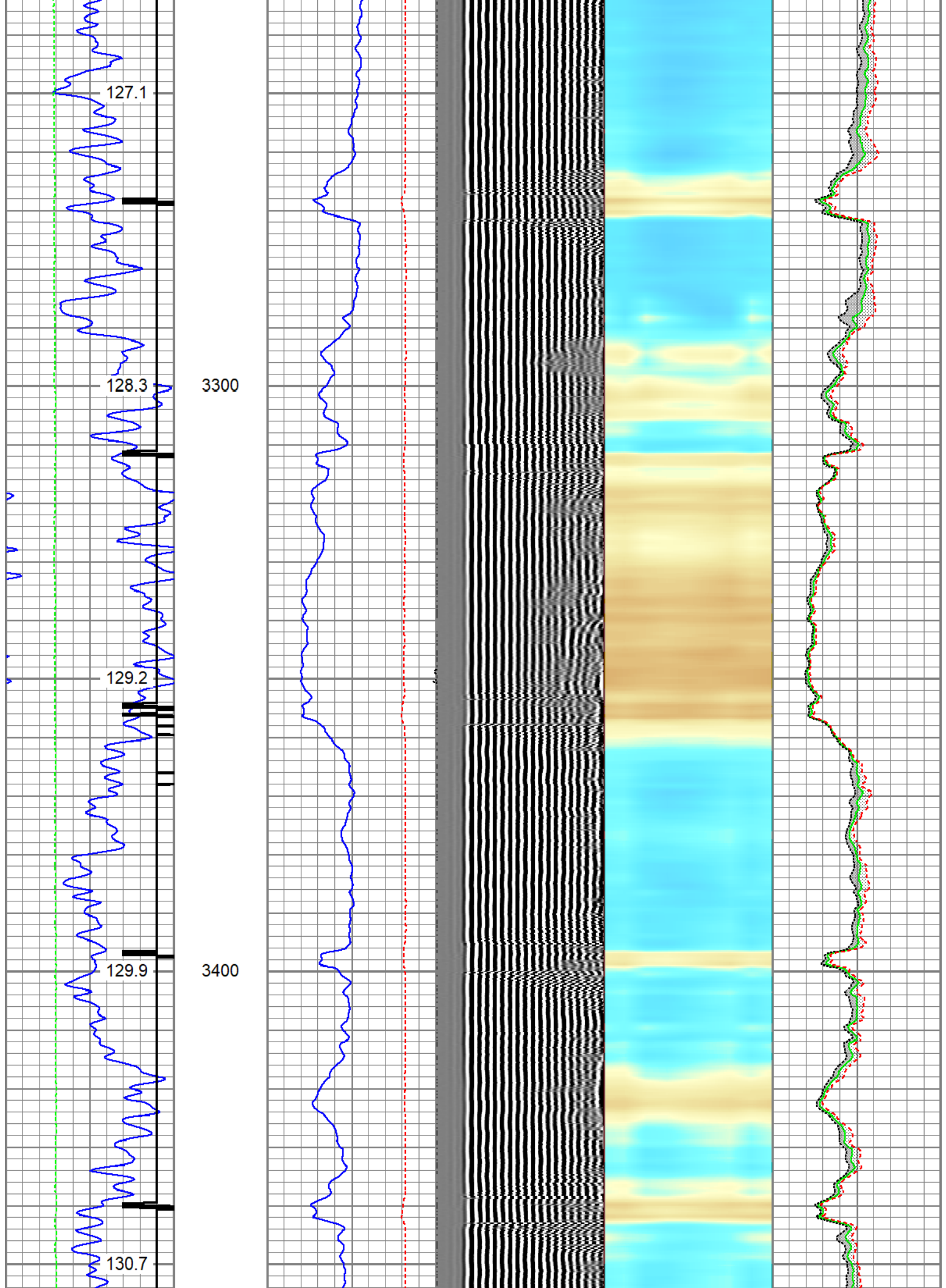


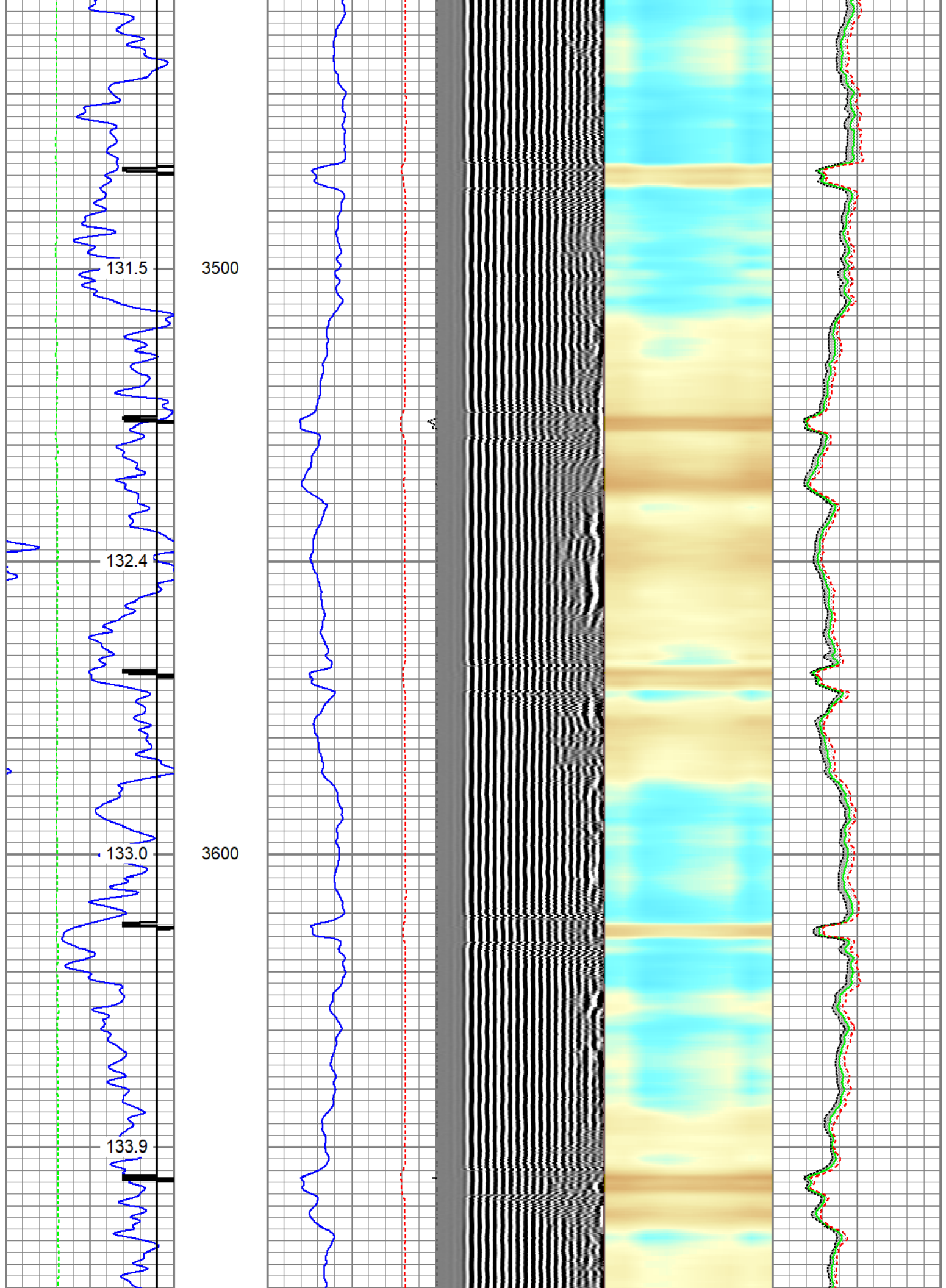


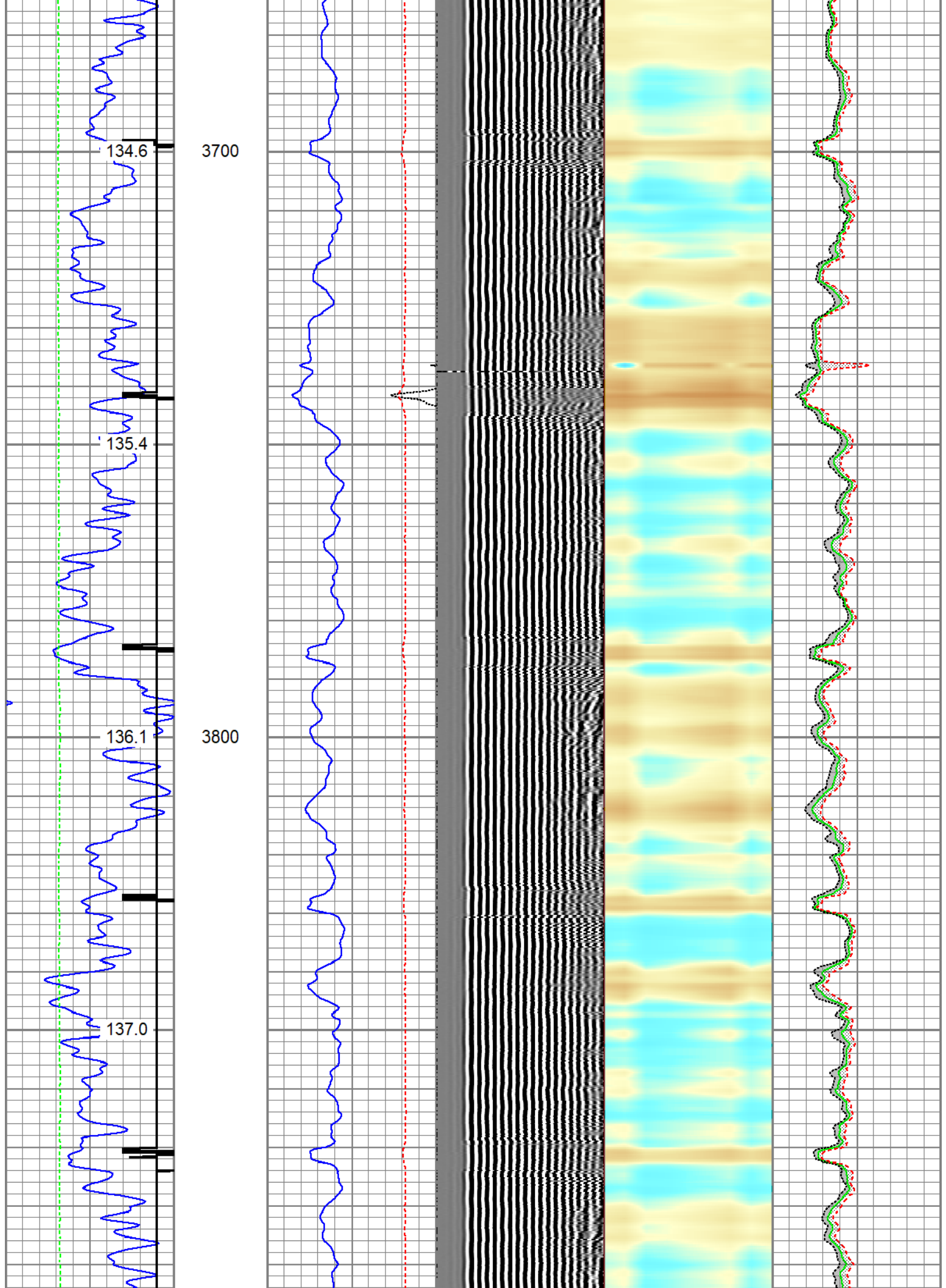




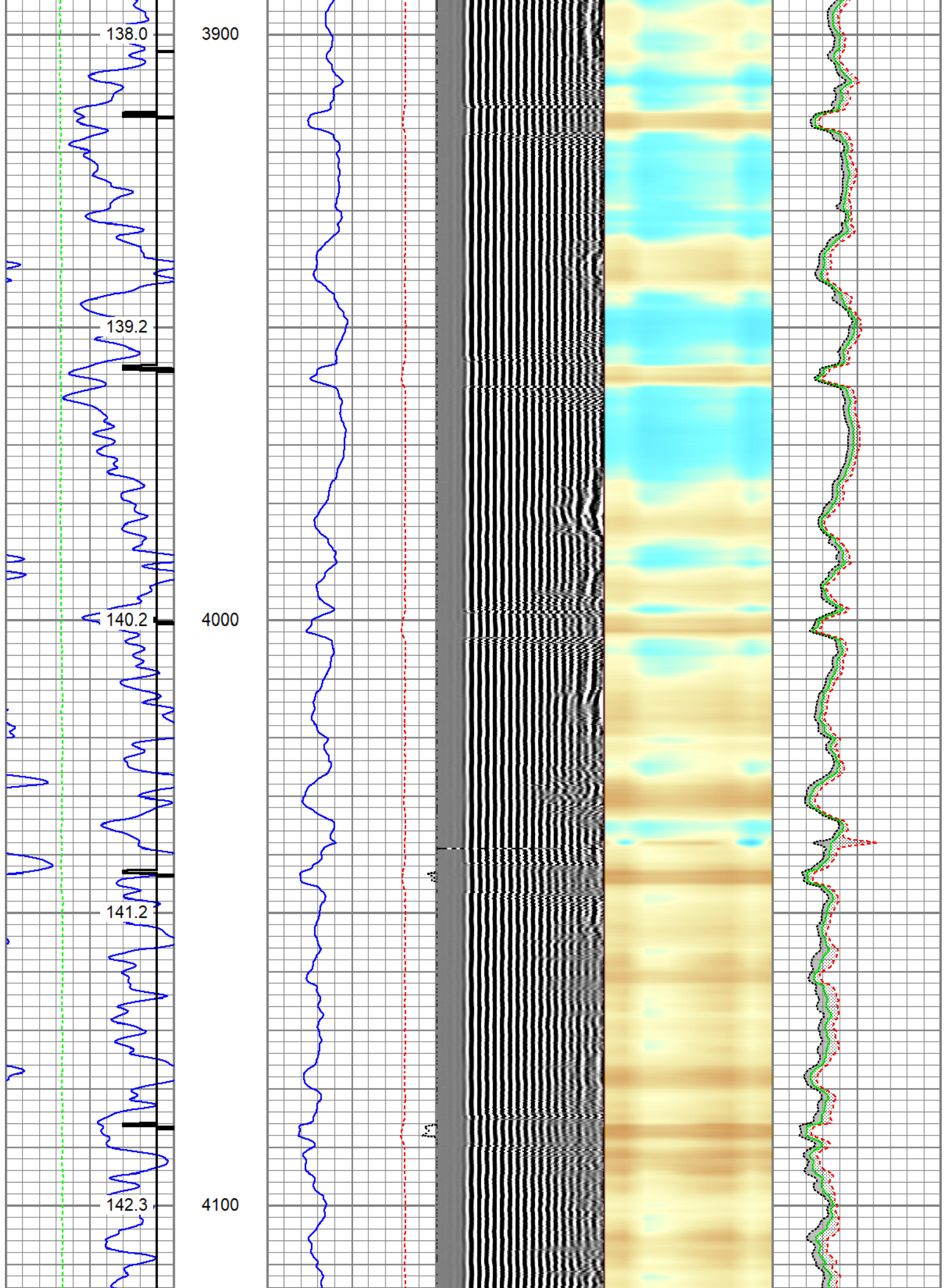




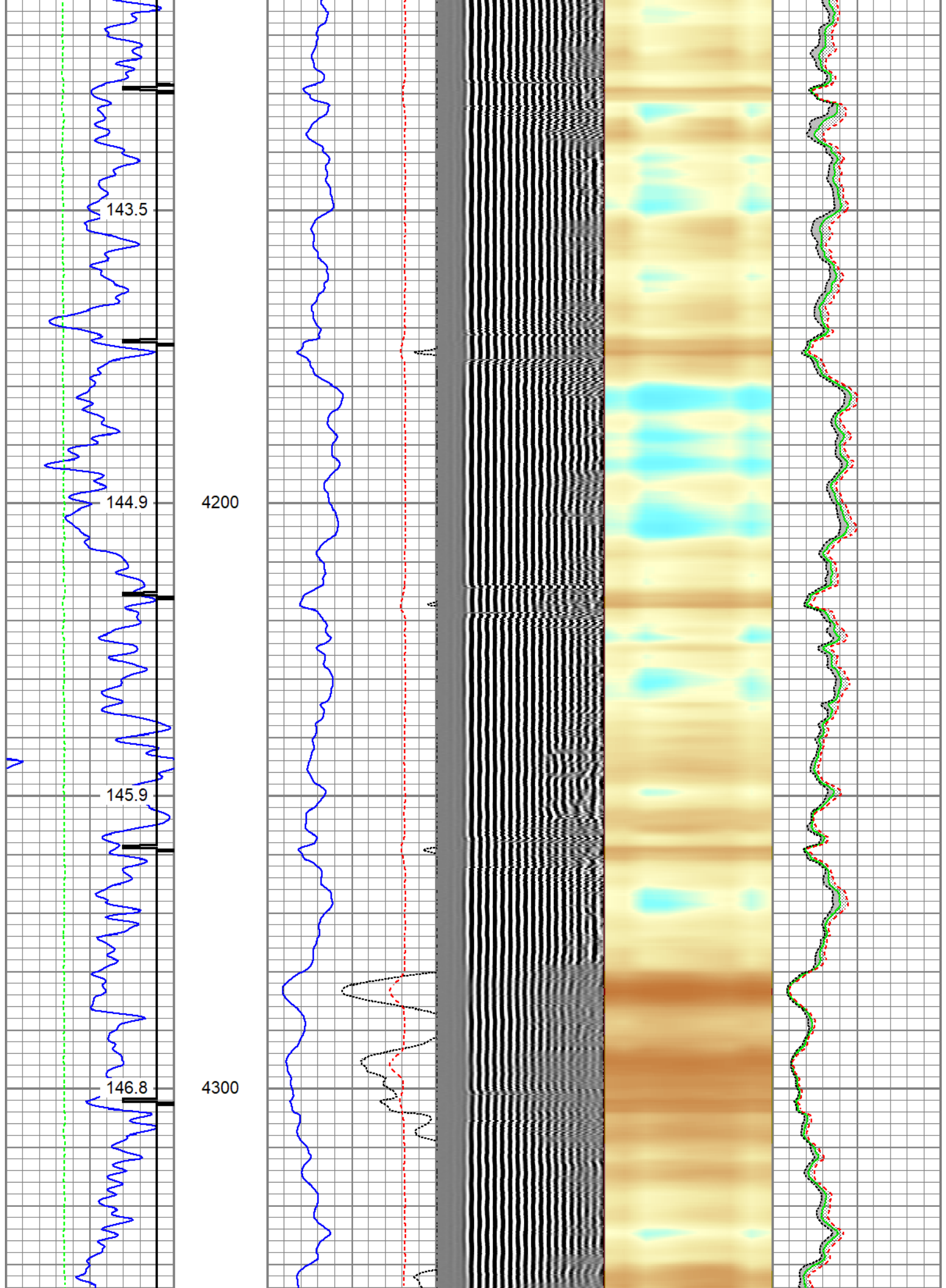


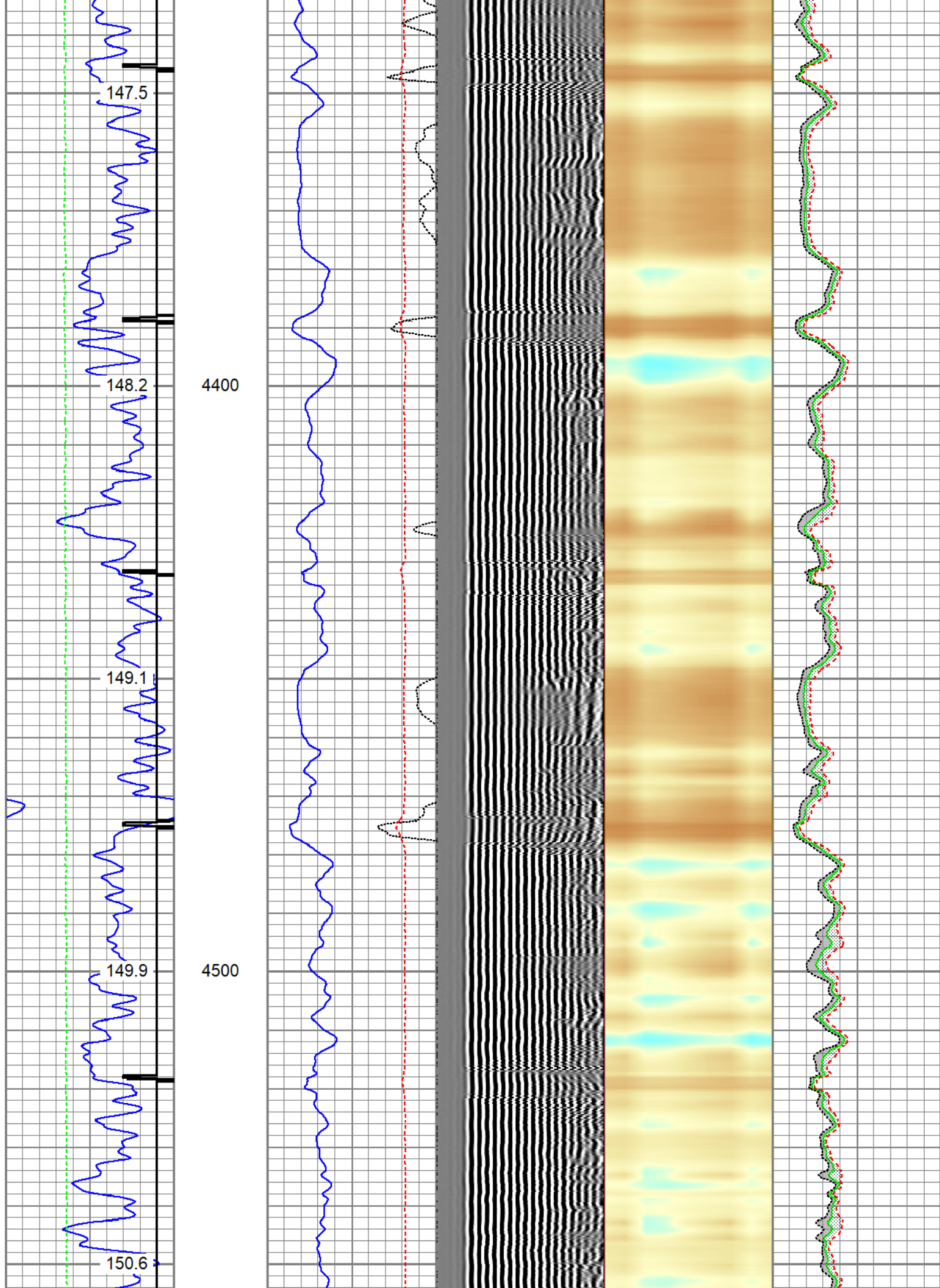


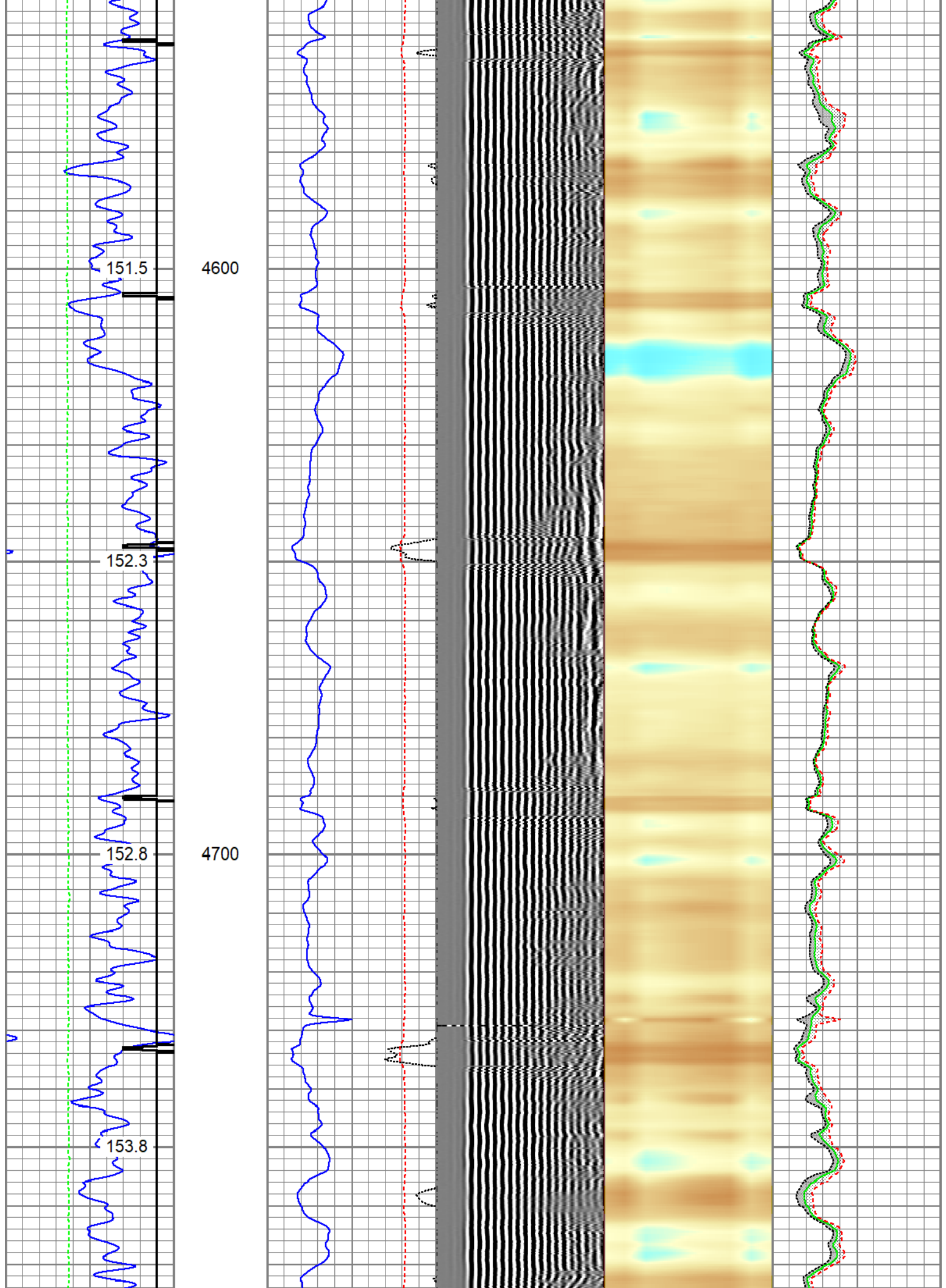




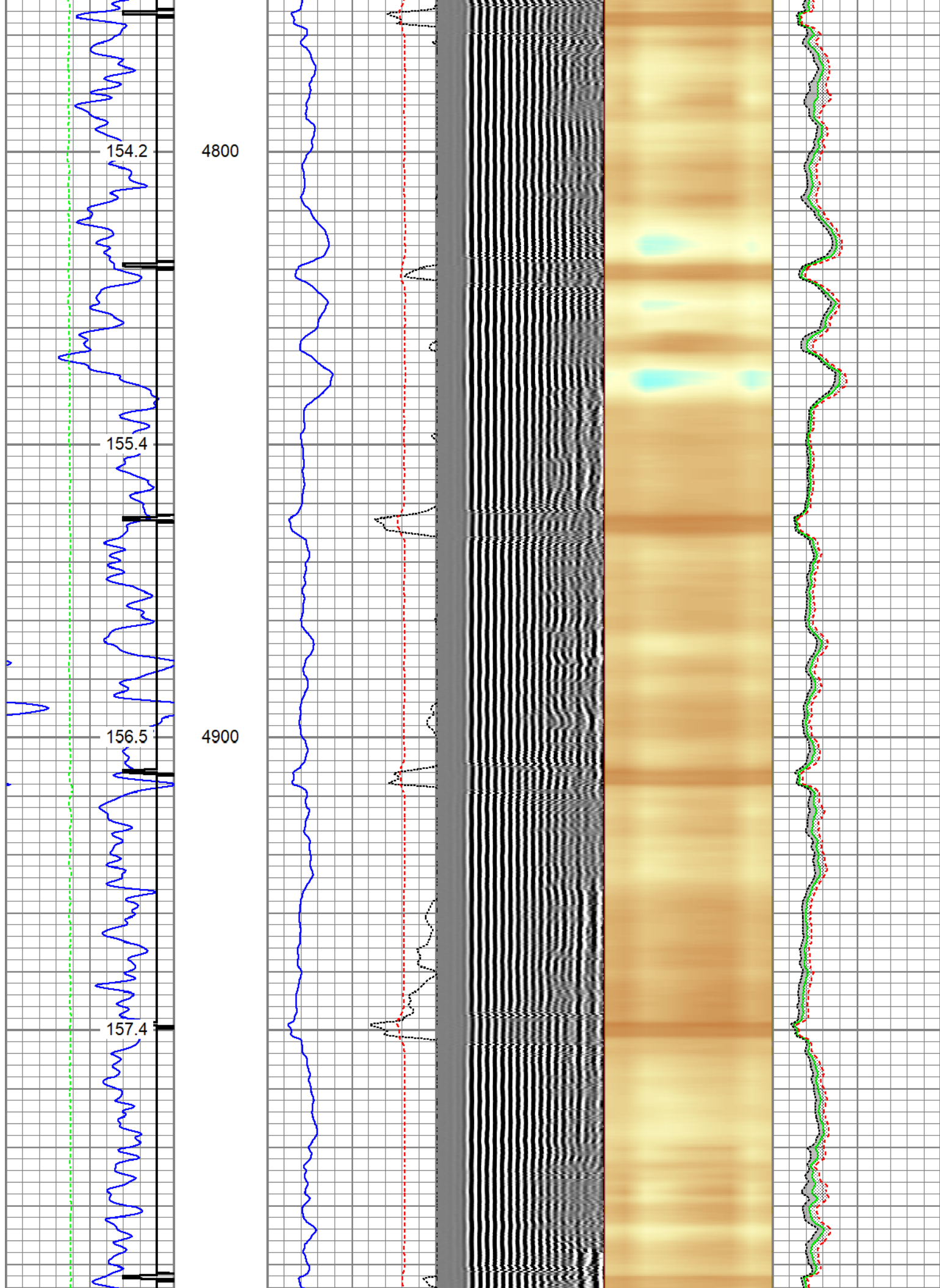




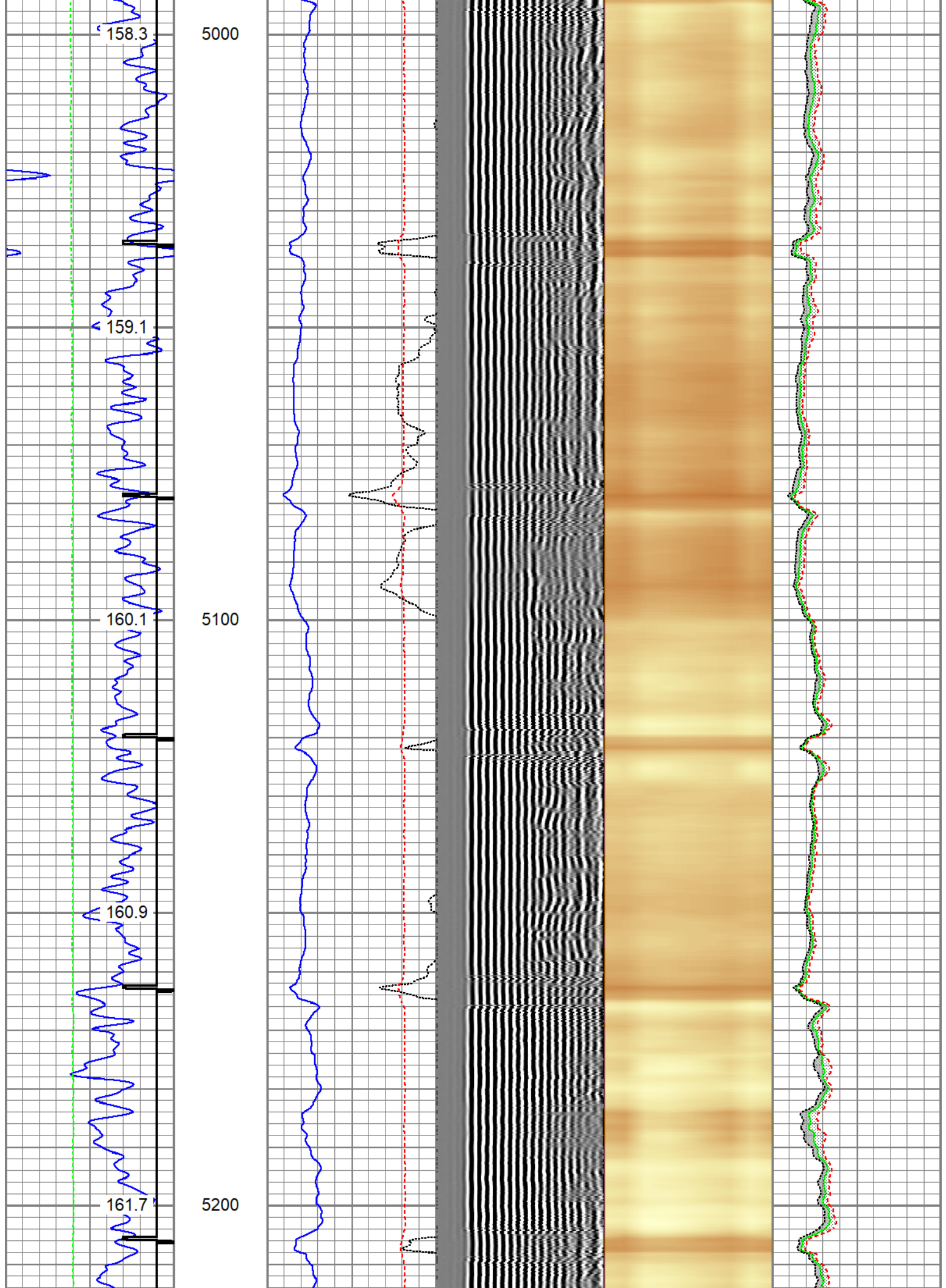


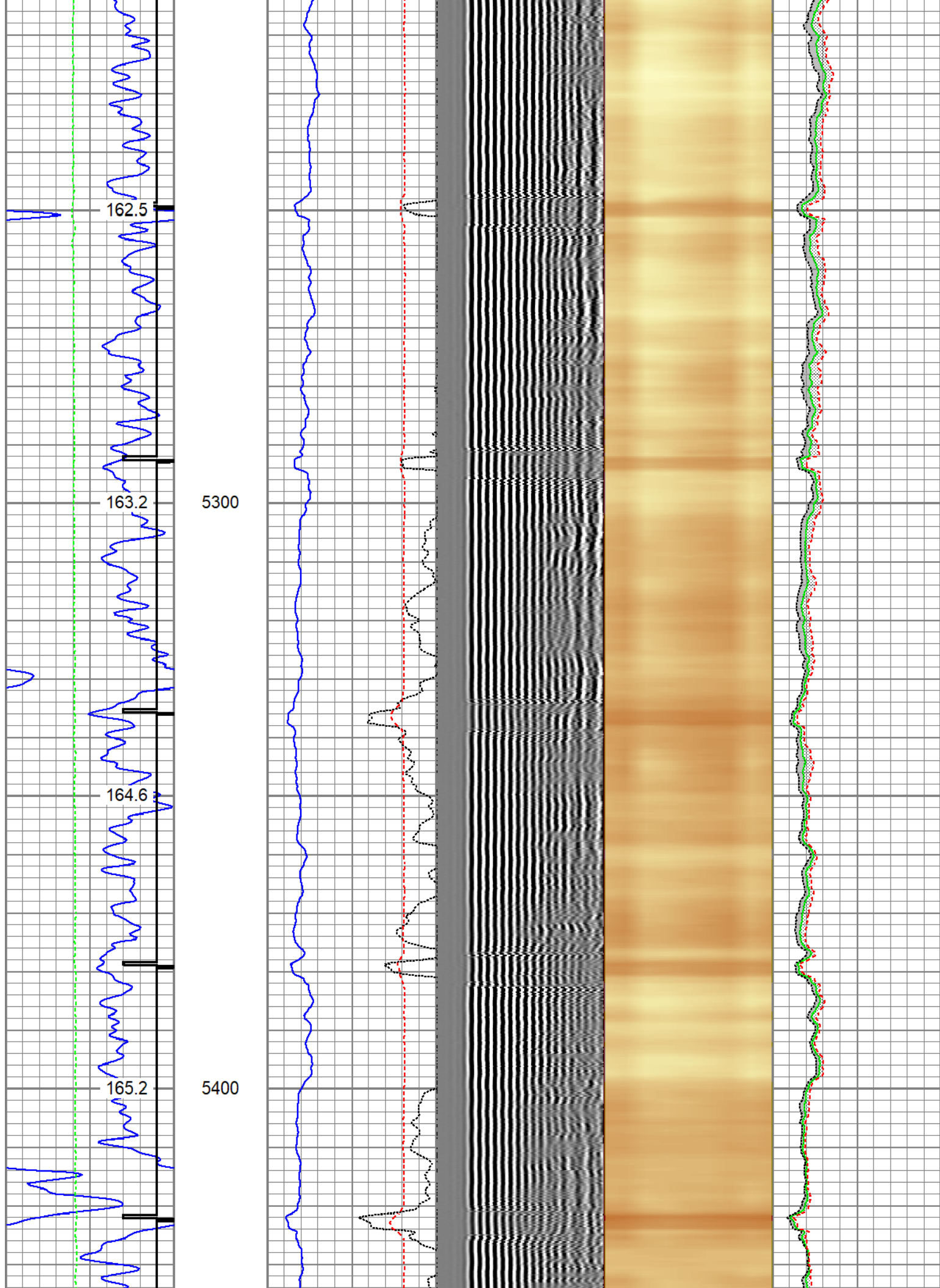


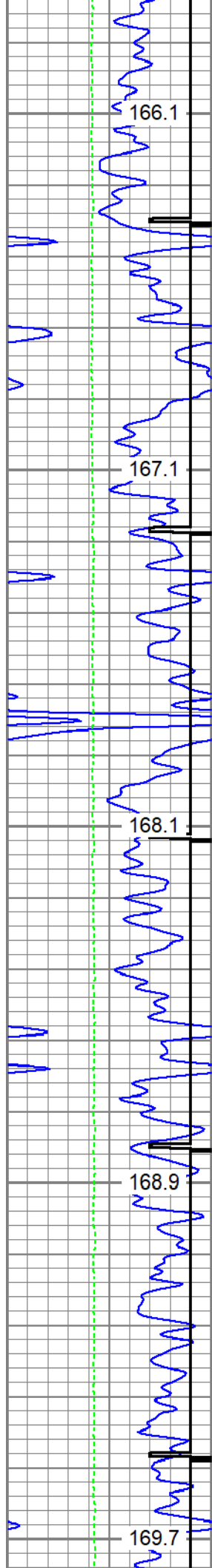






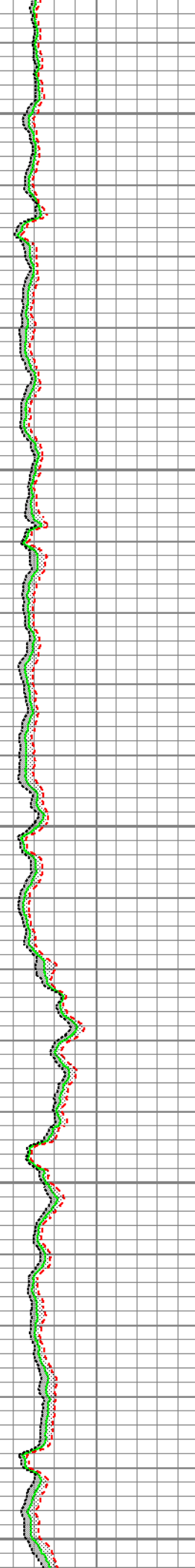
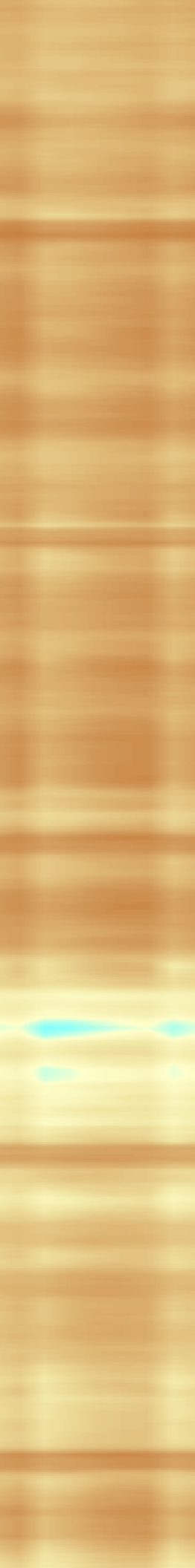
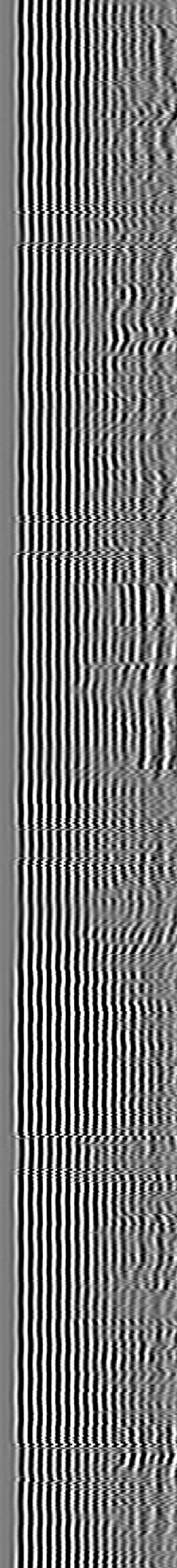
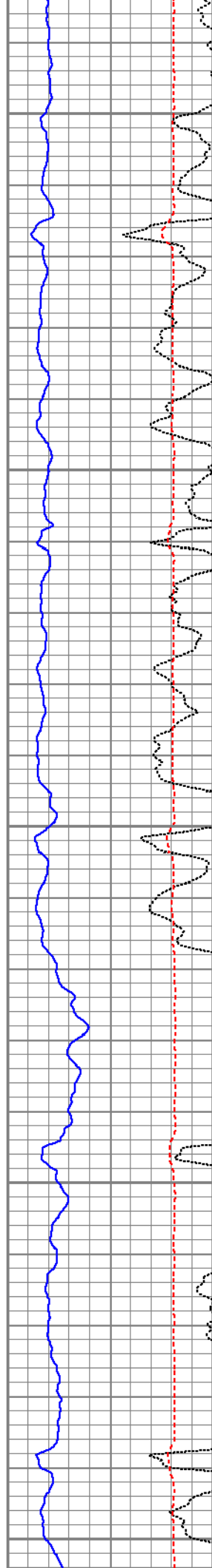




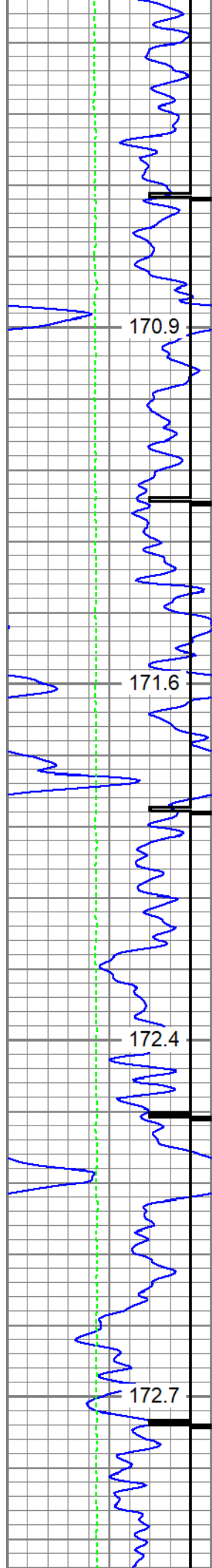


5500

5600

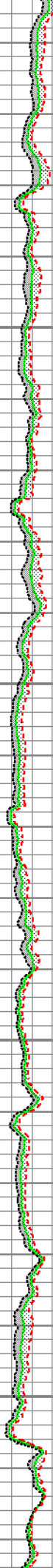
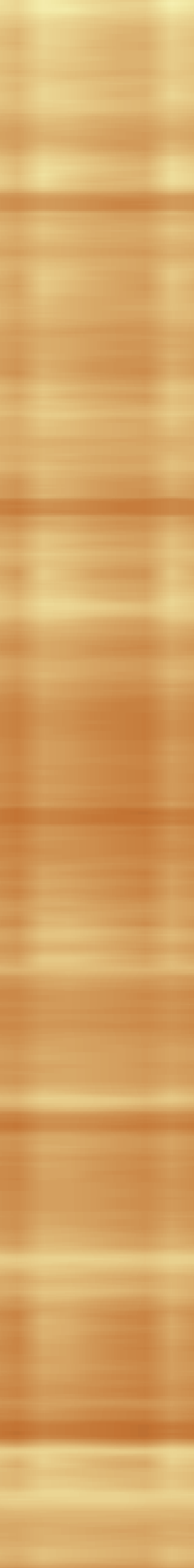
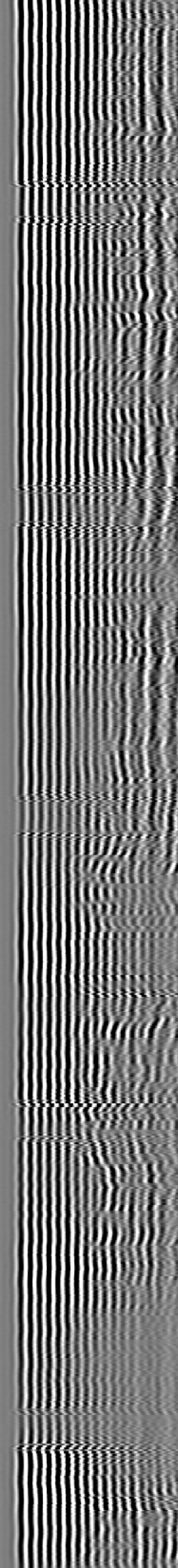
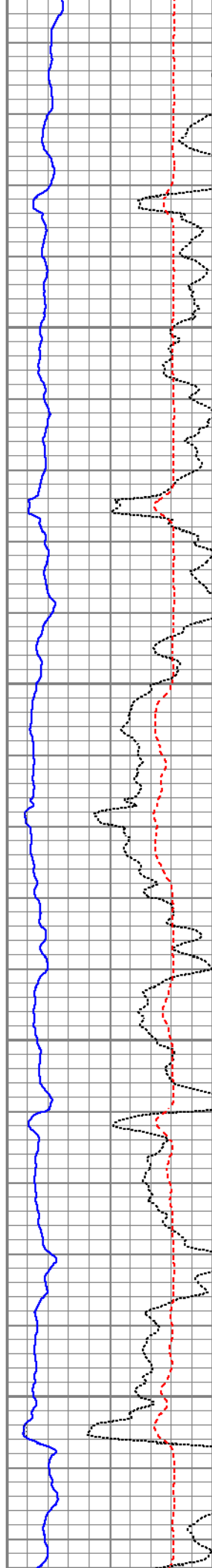


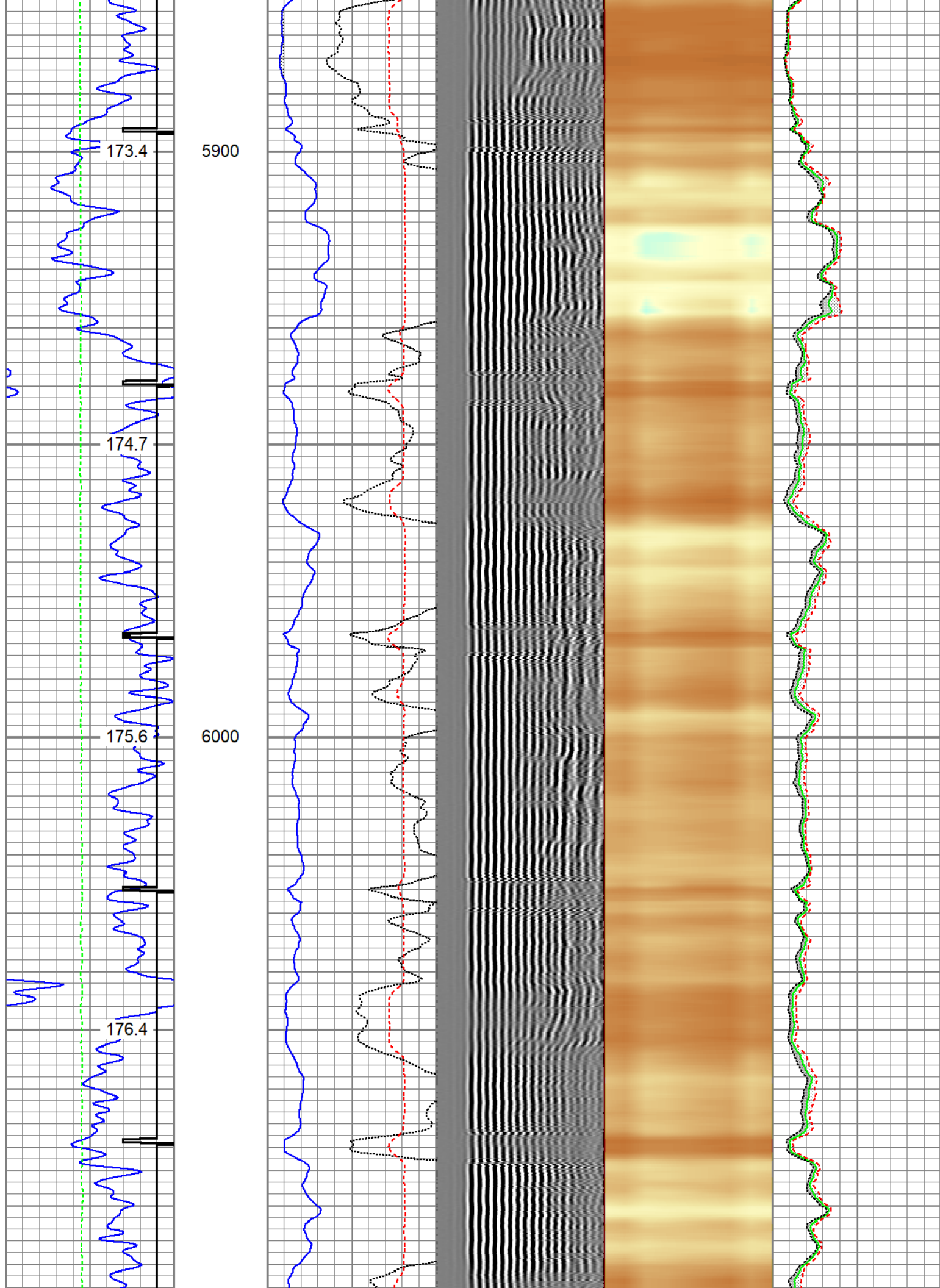


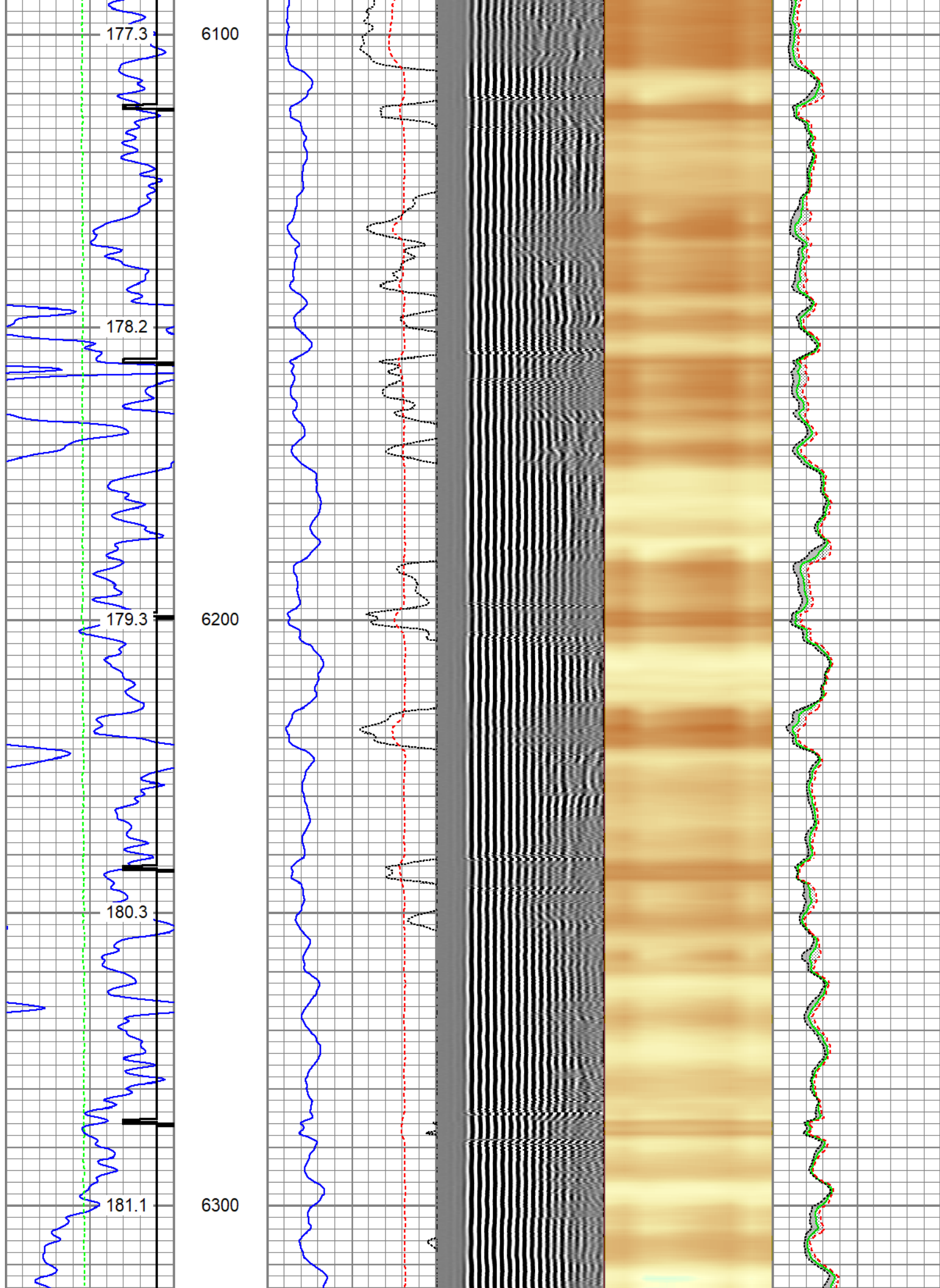


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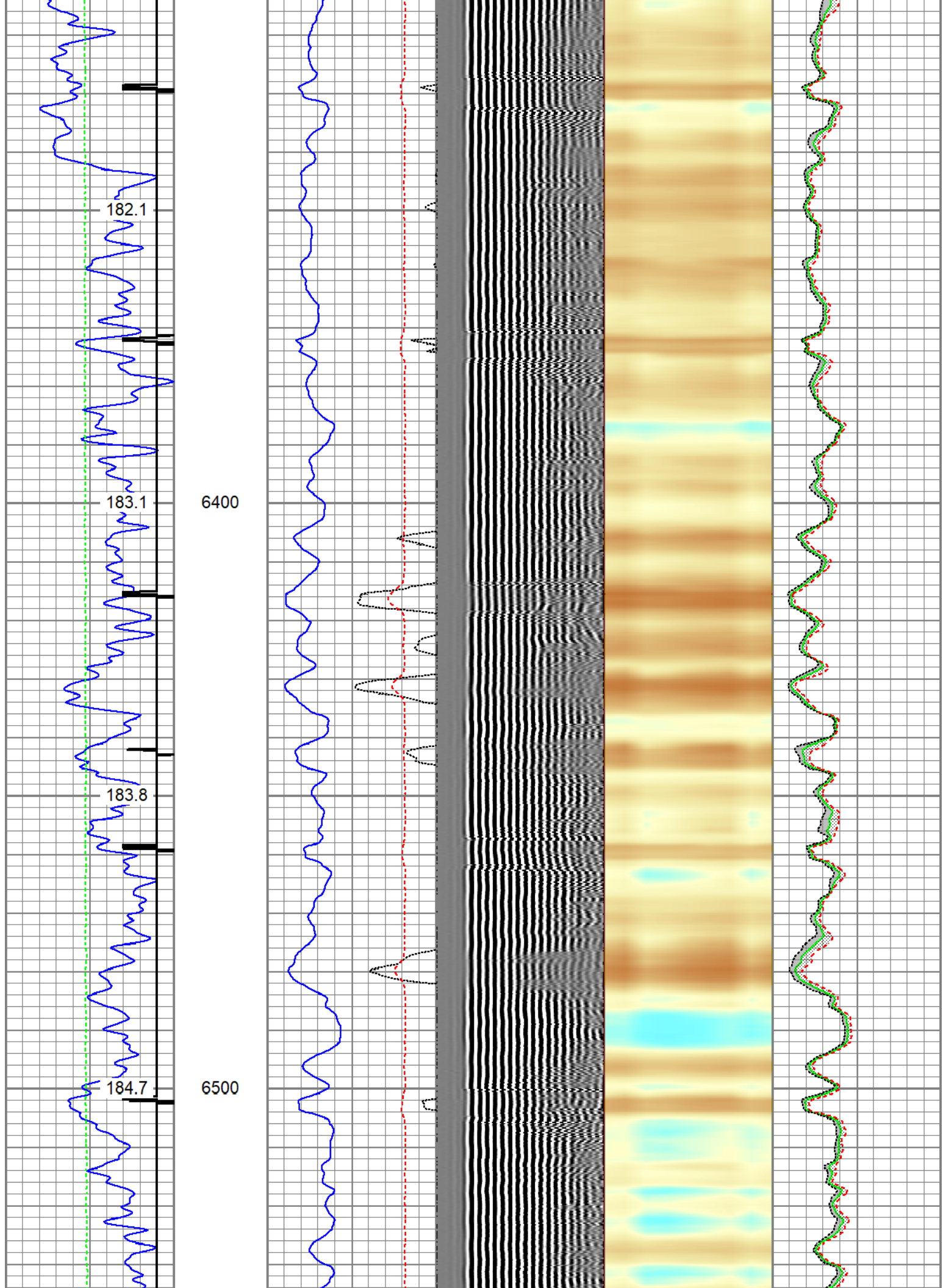
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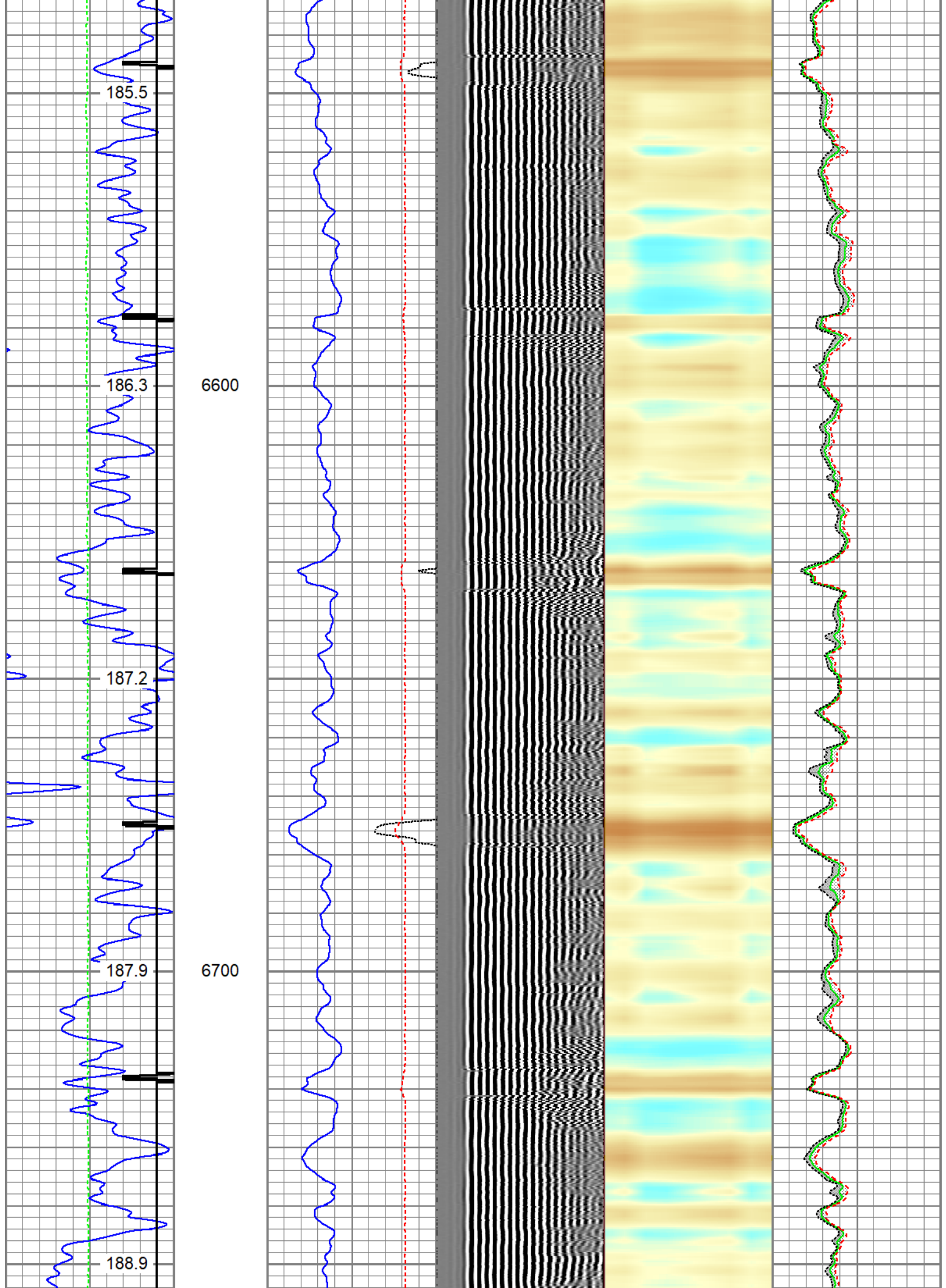


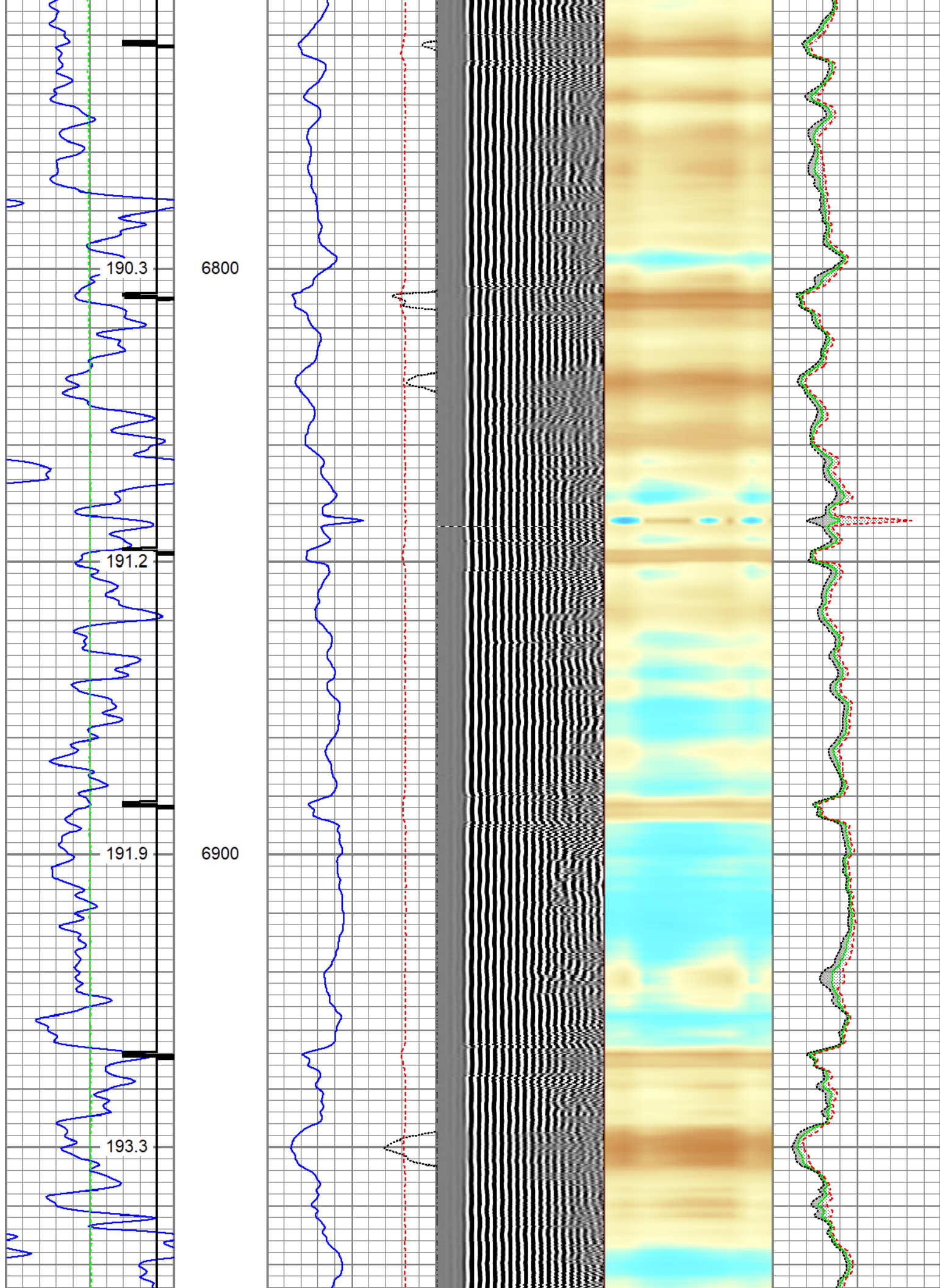




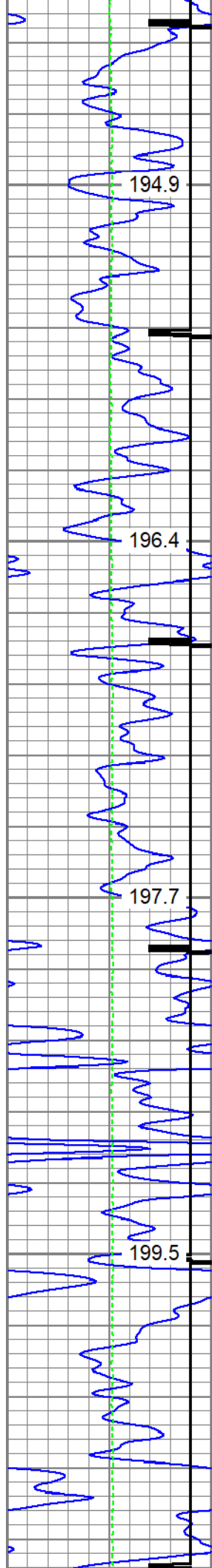






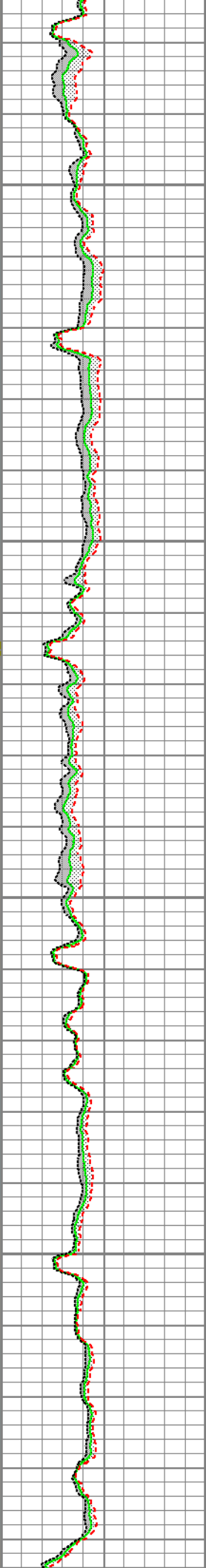
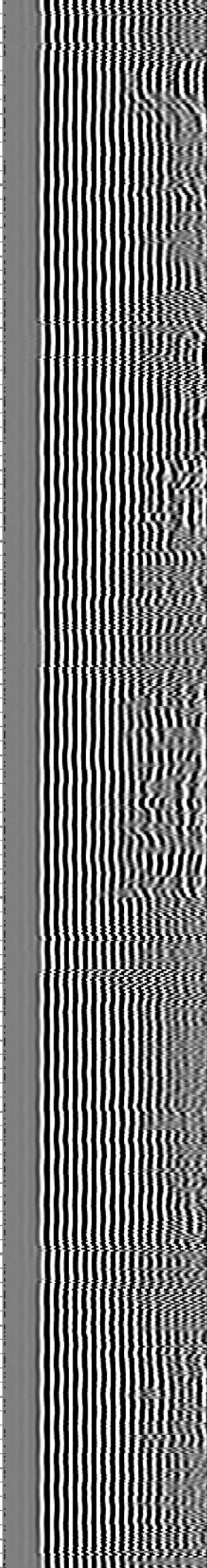
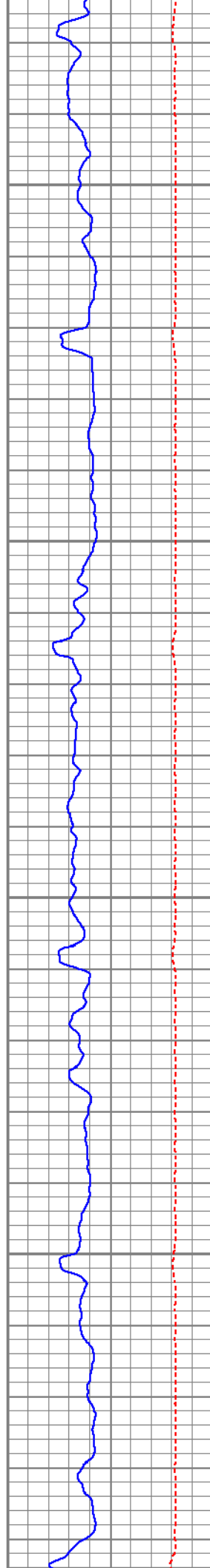


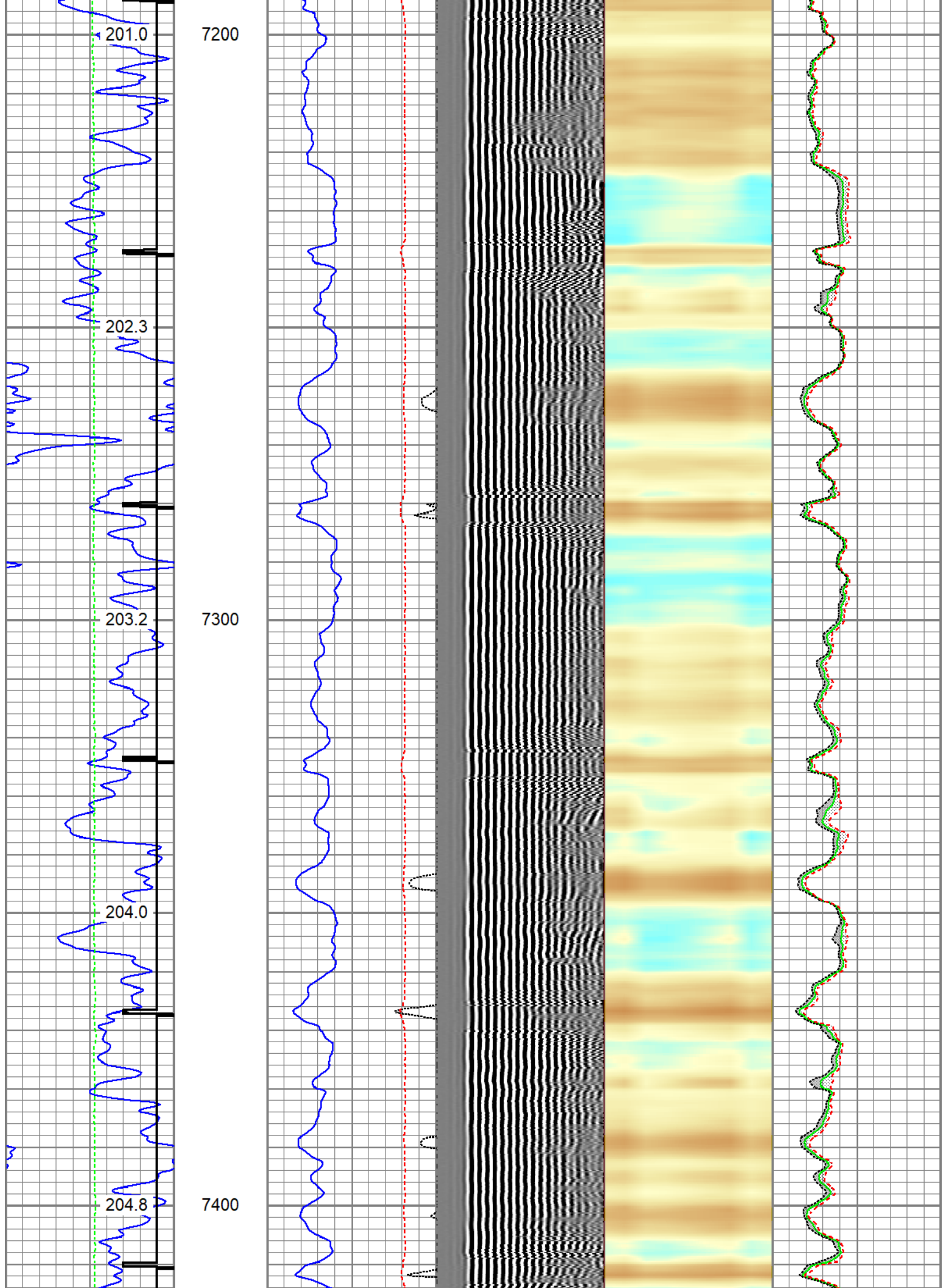


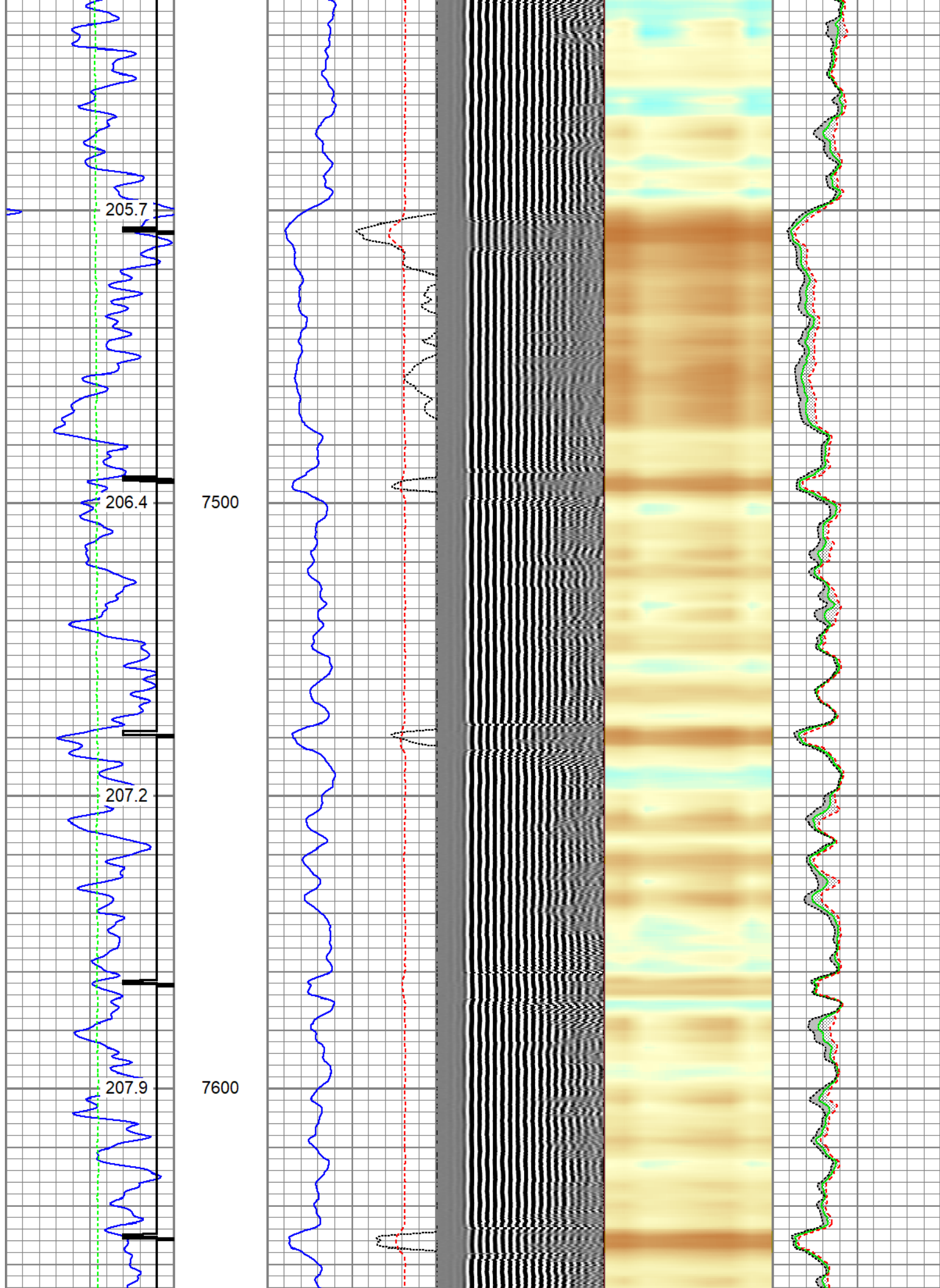


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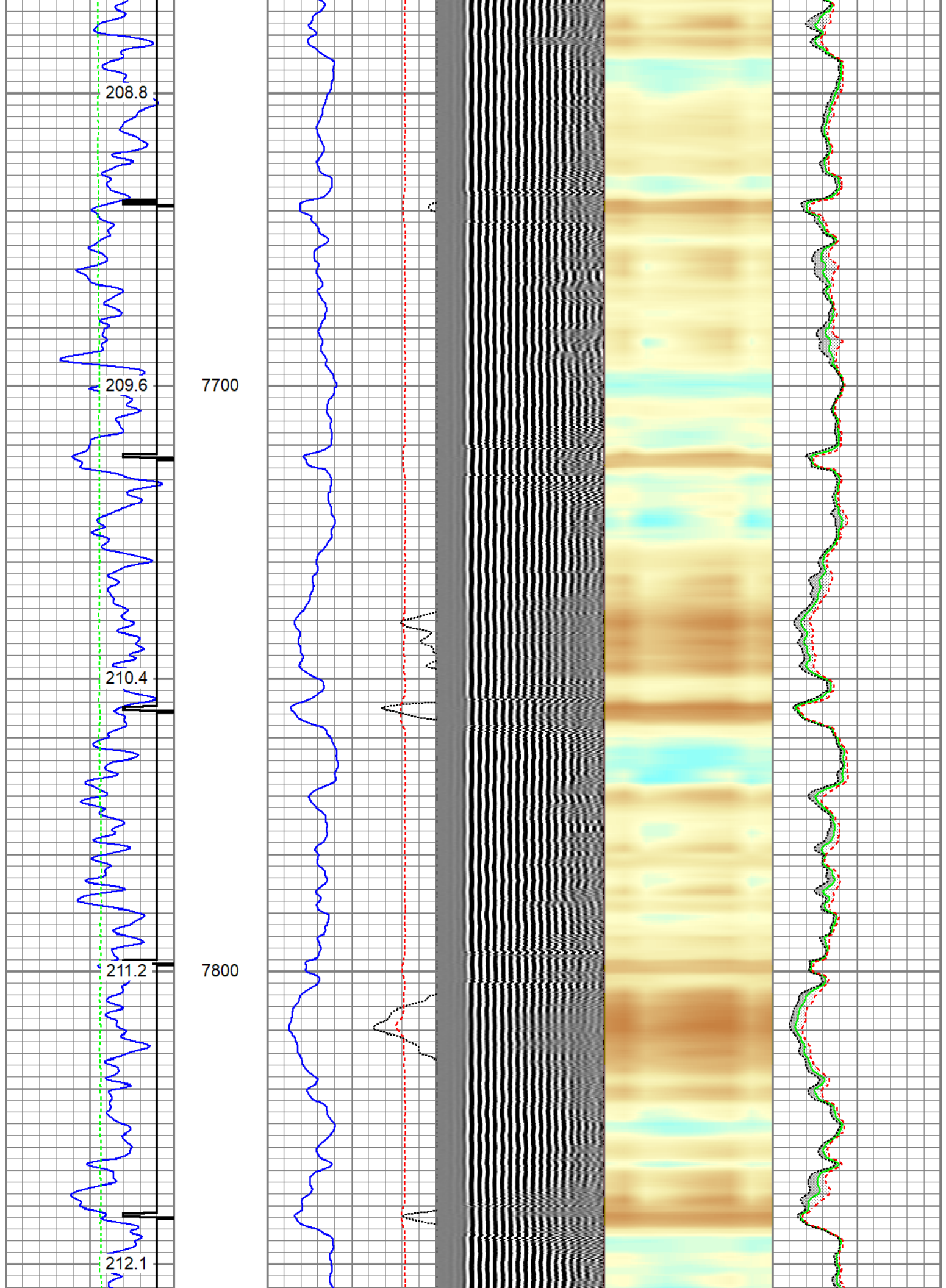
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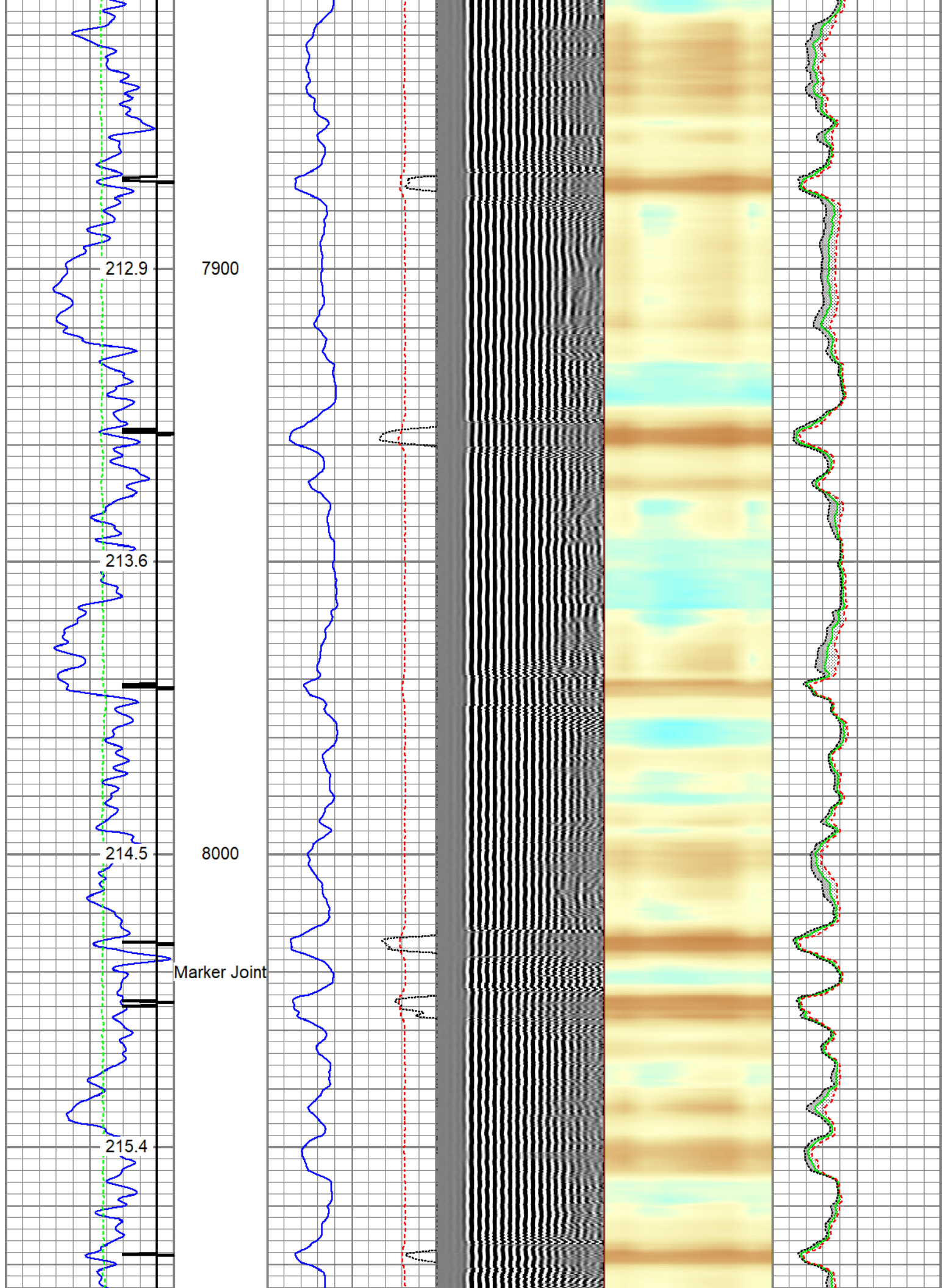


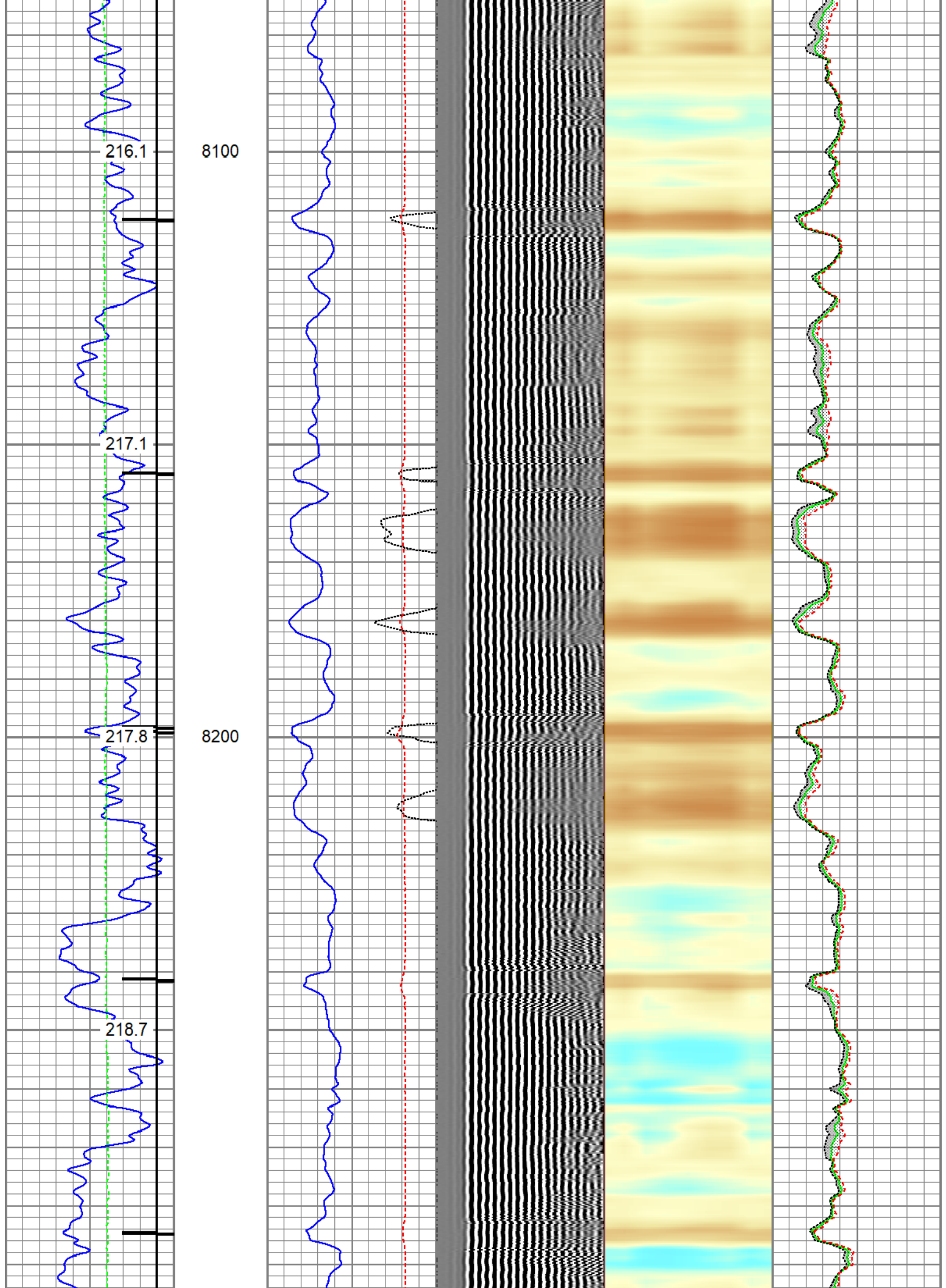




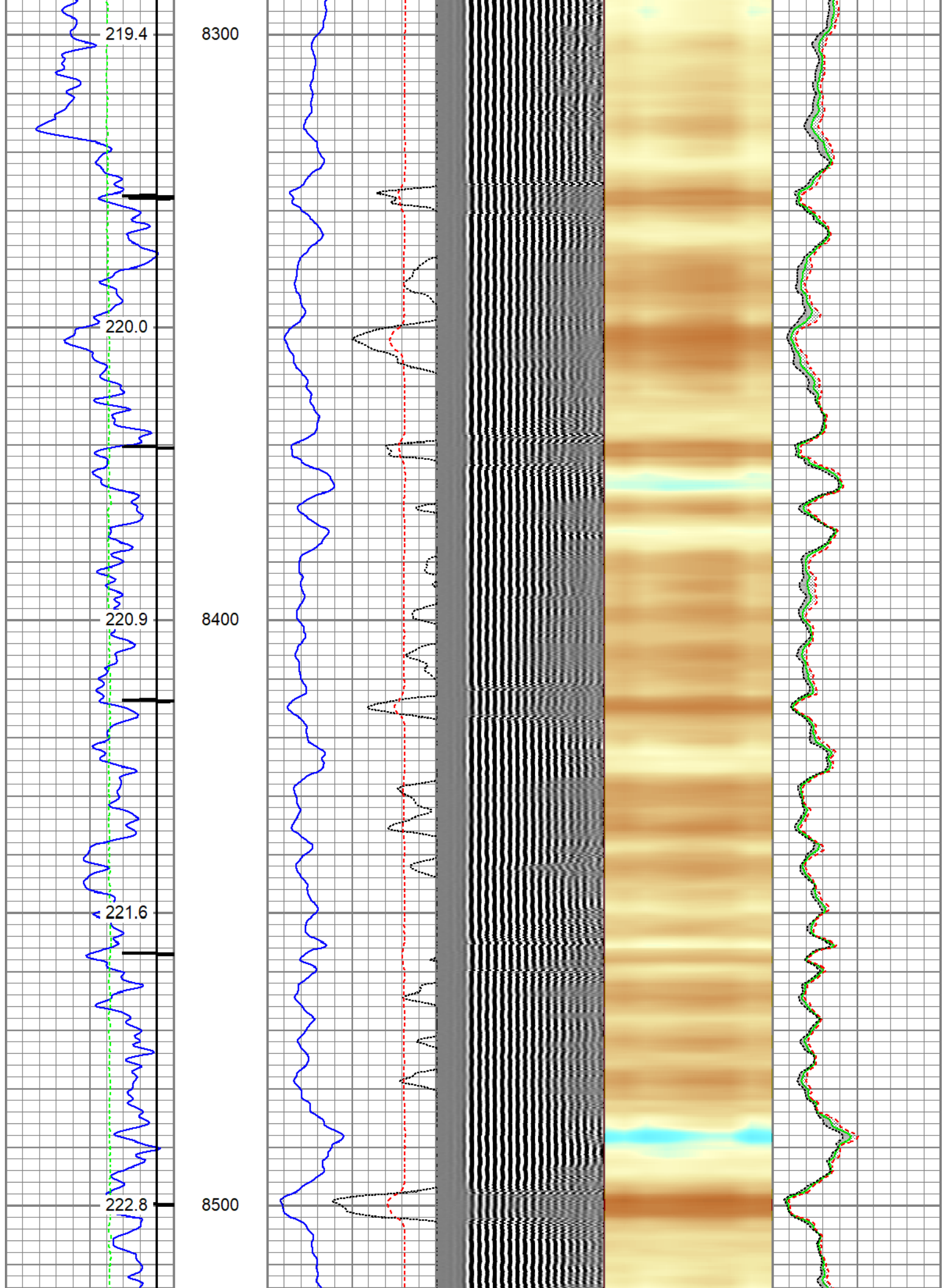


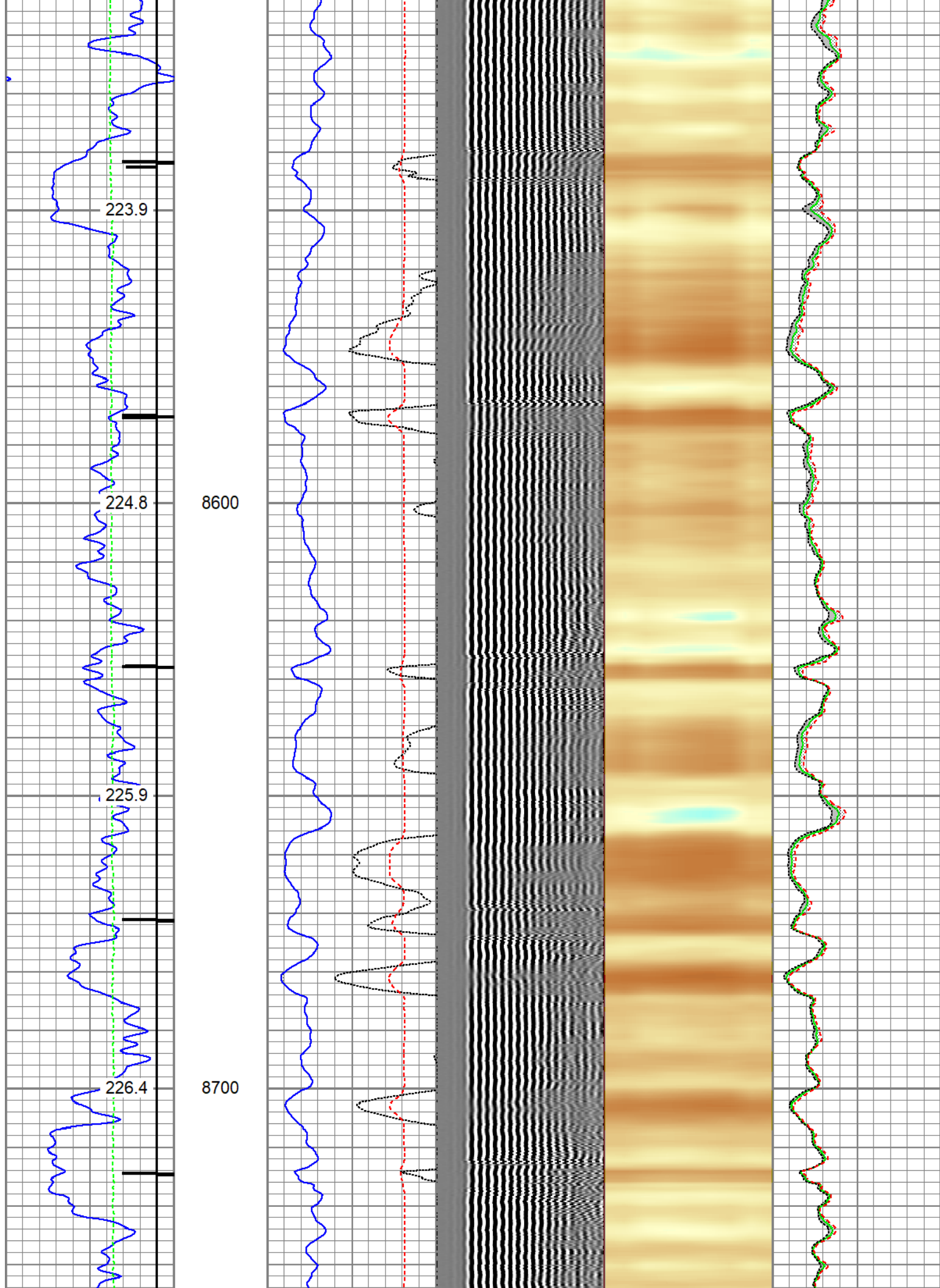


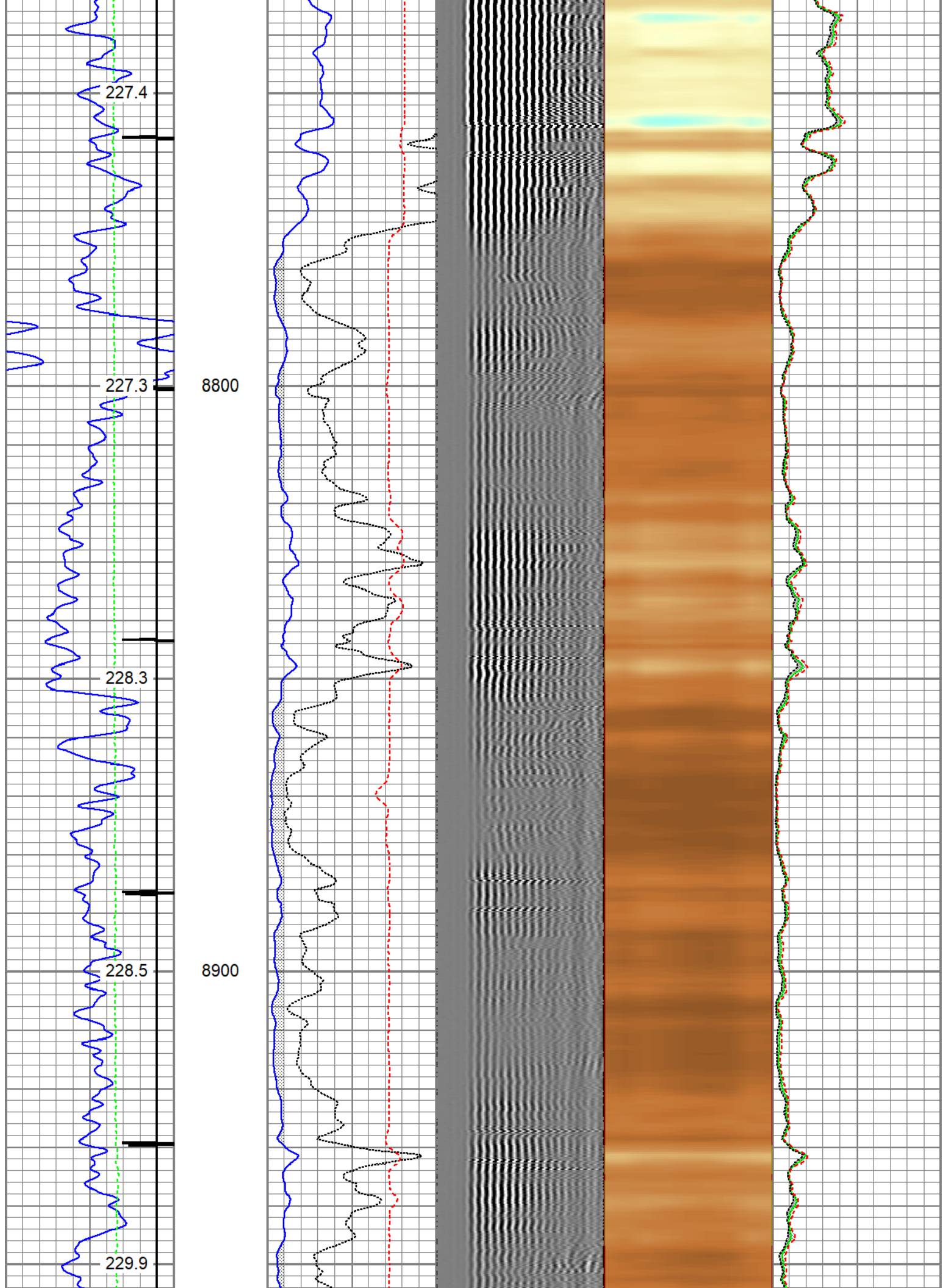




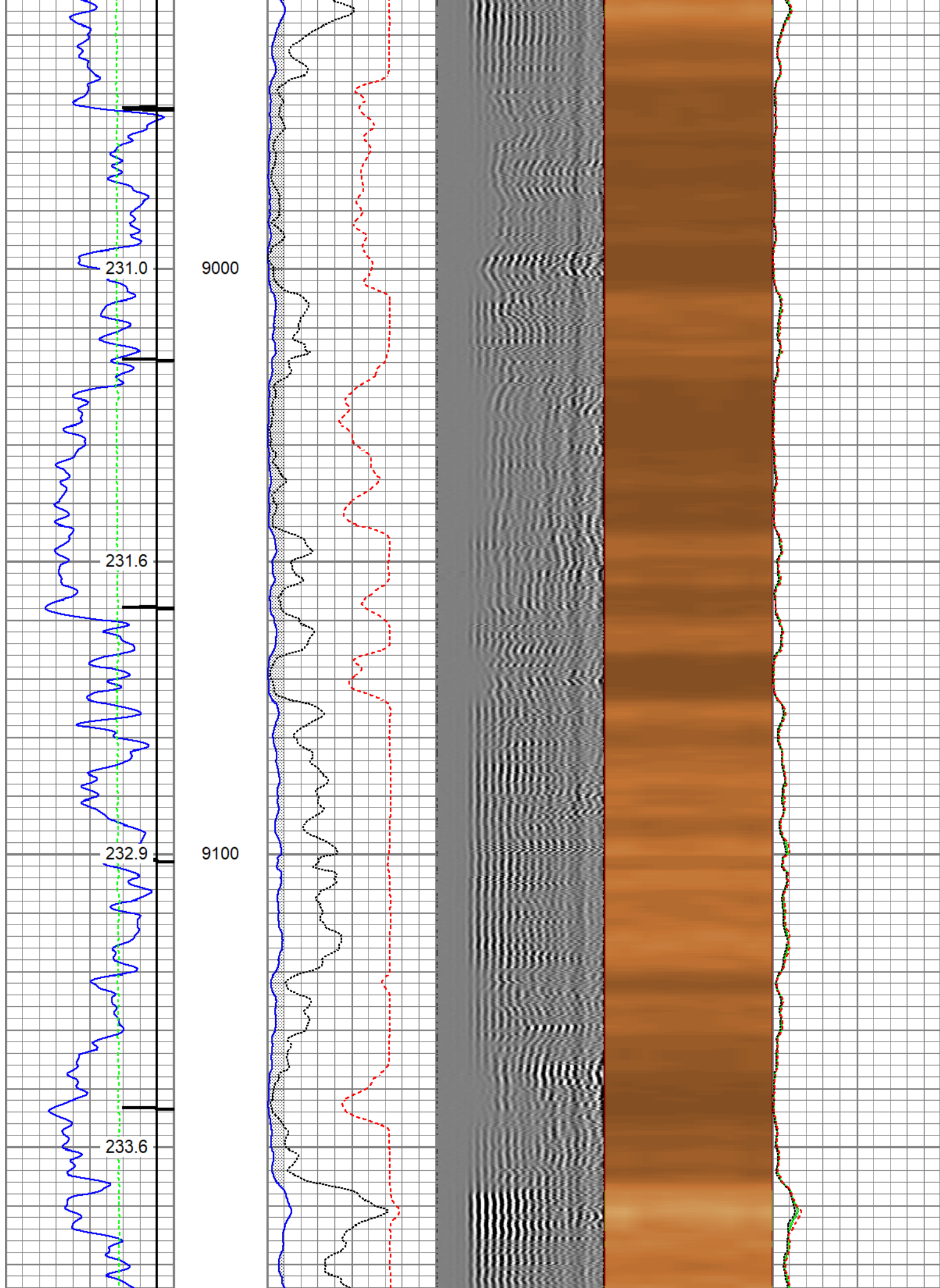


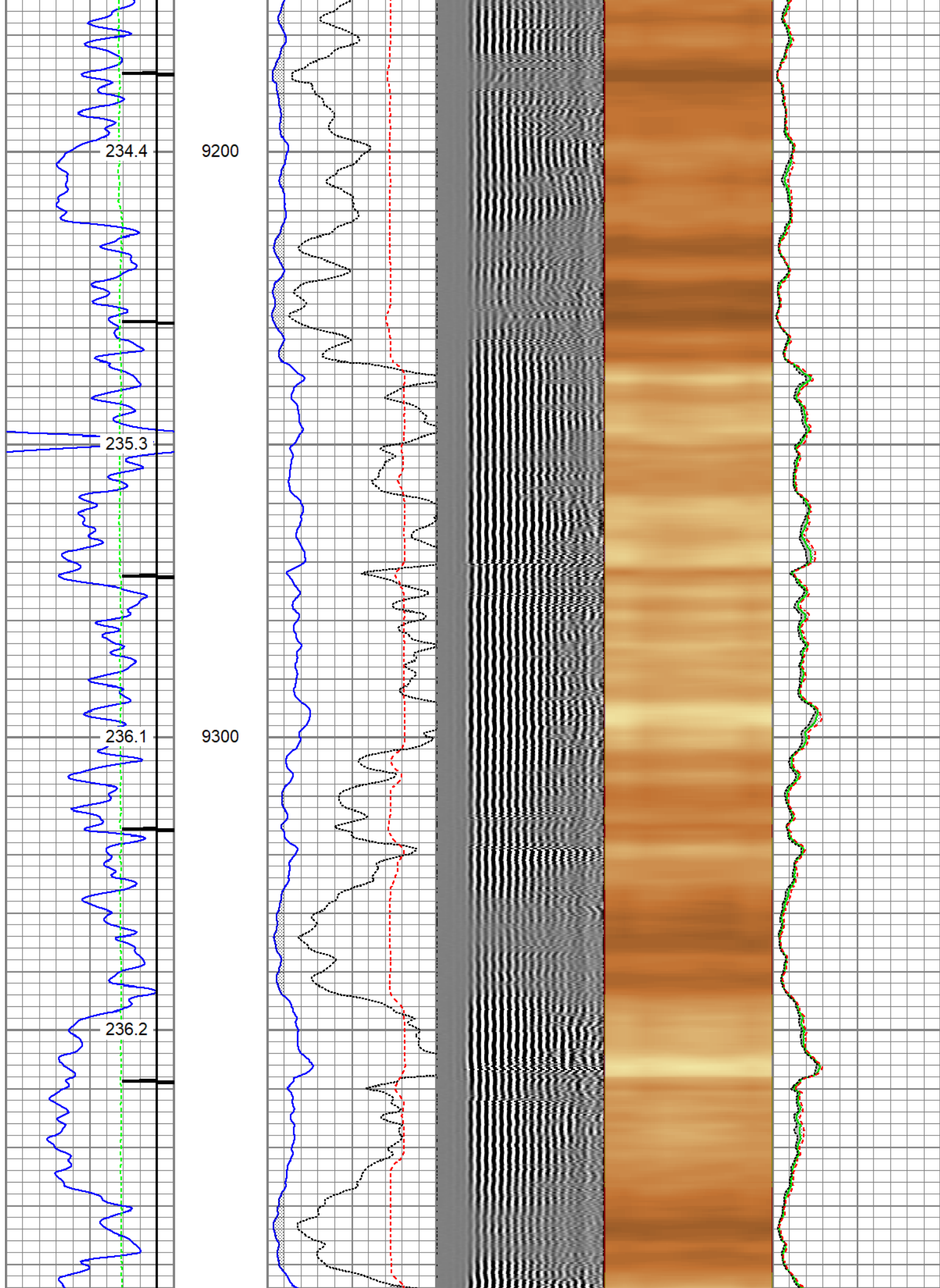


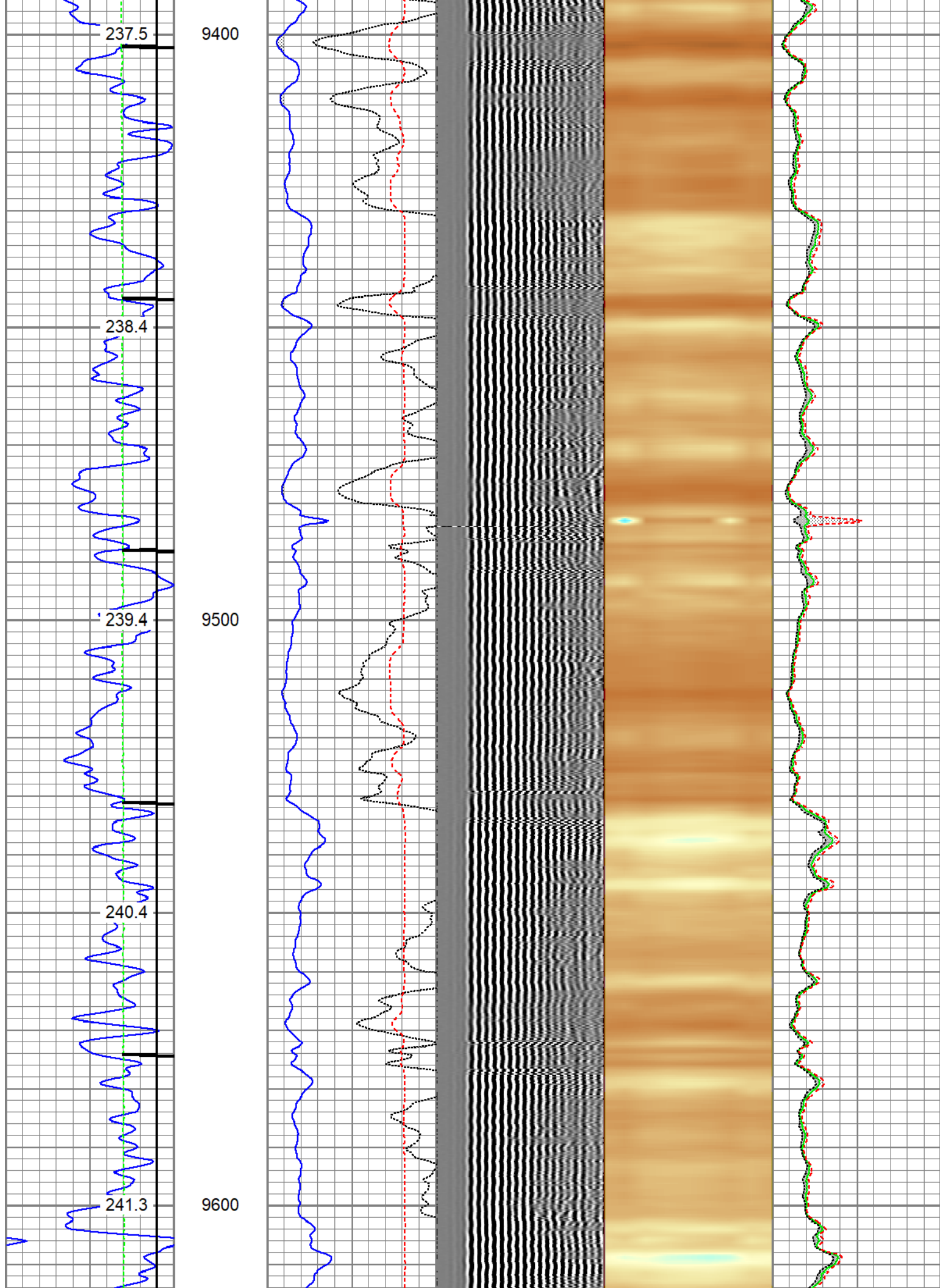




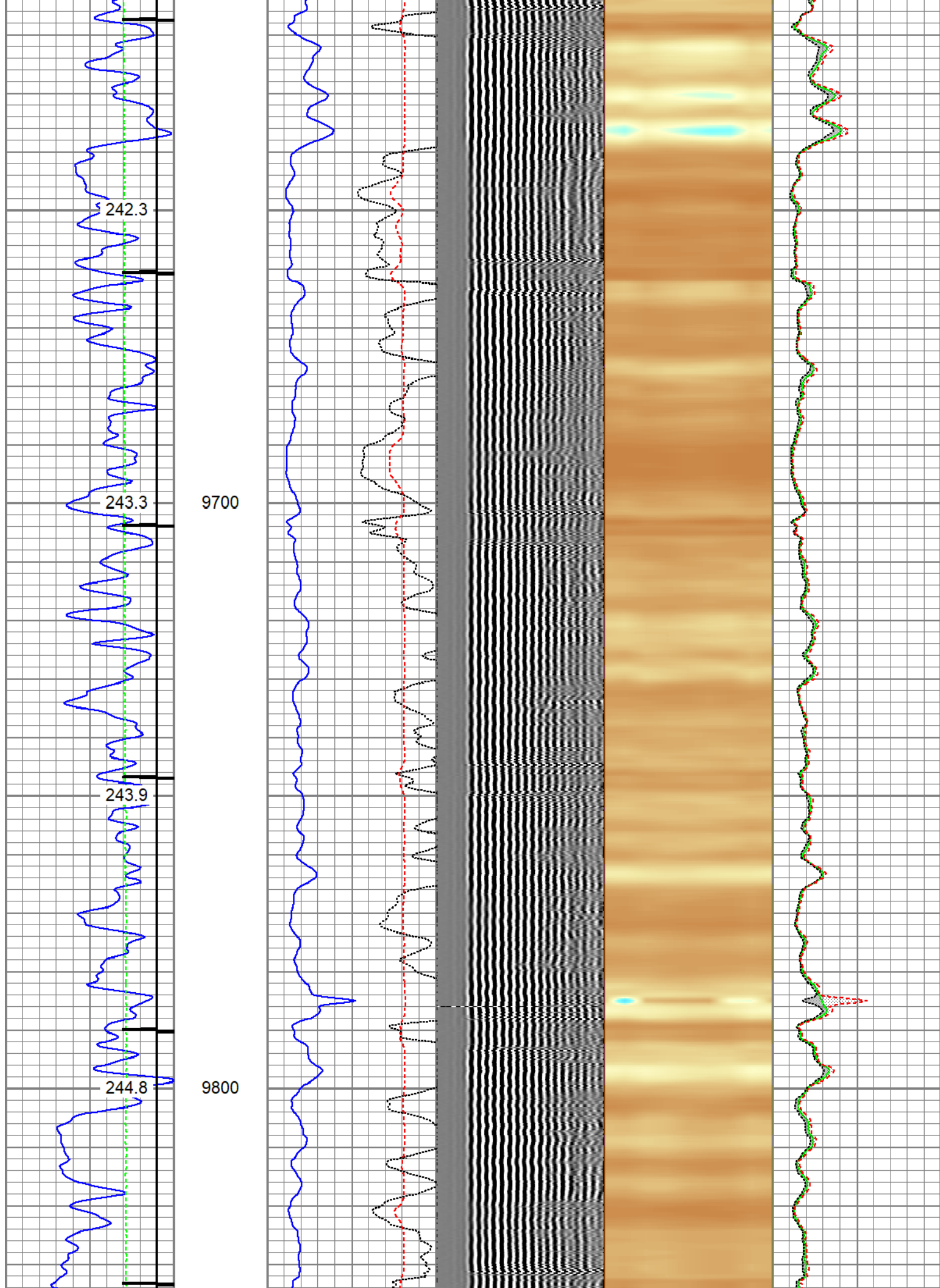


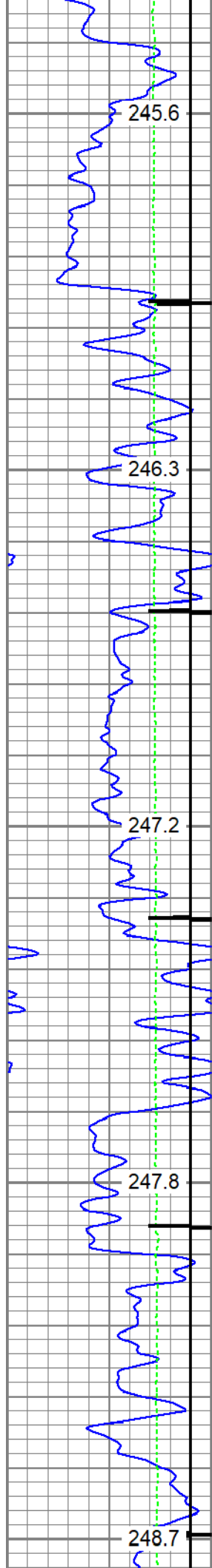






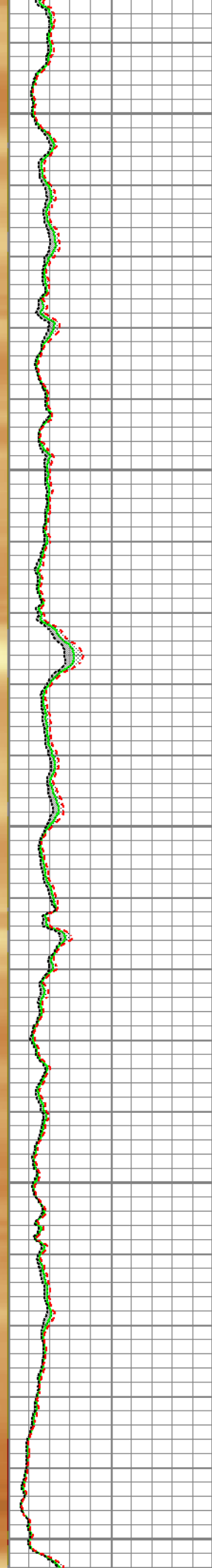
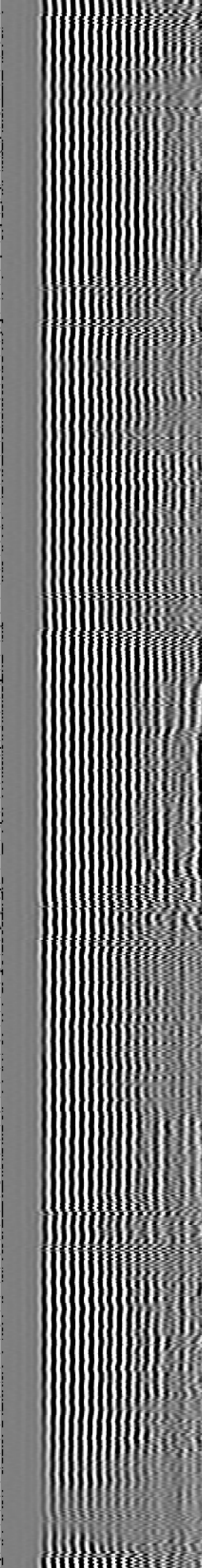
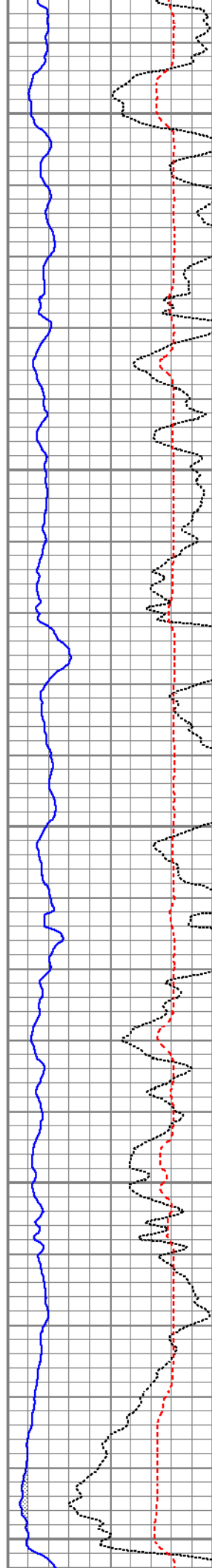


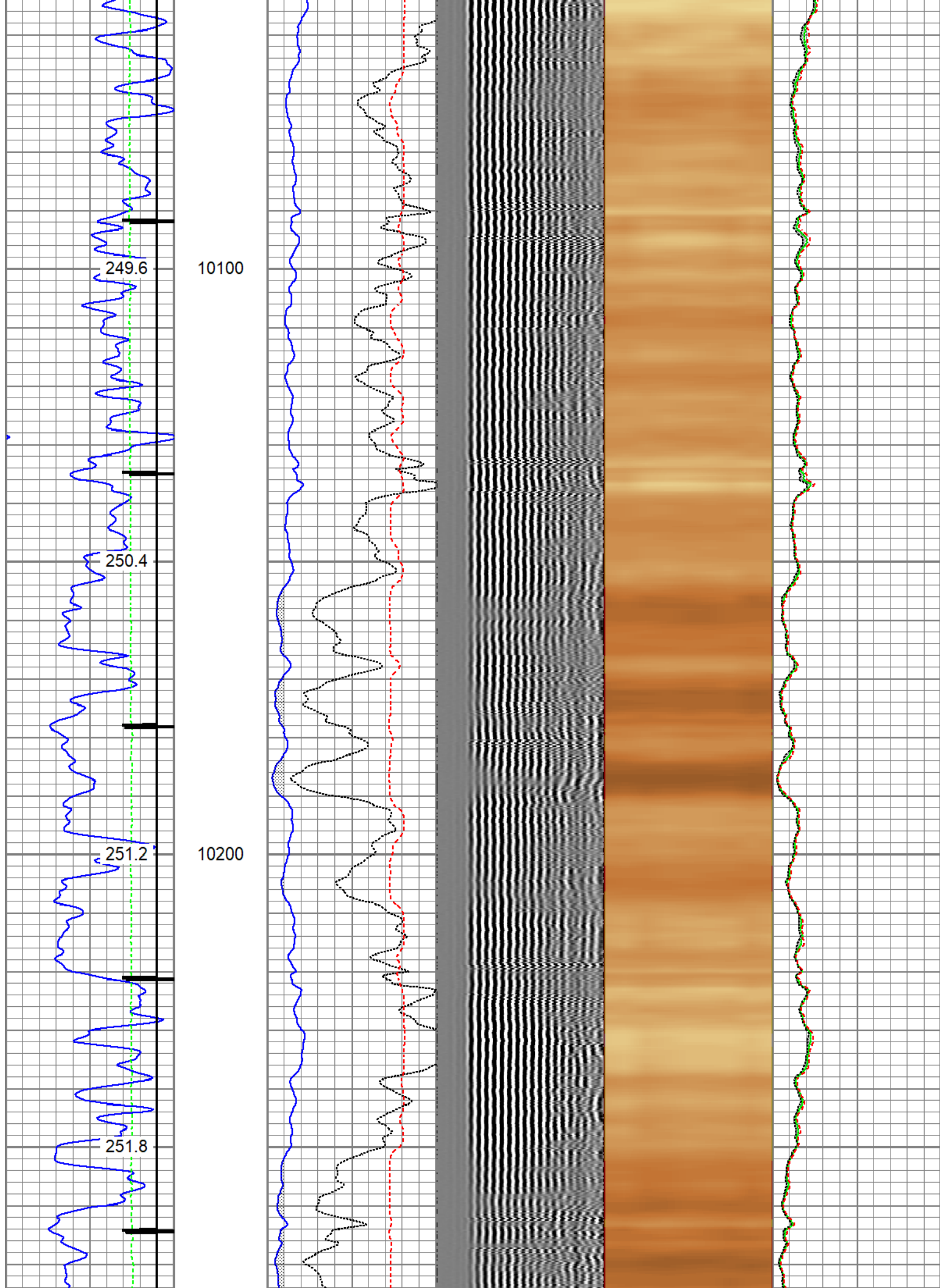




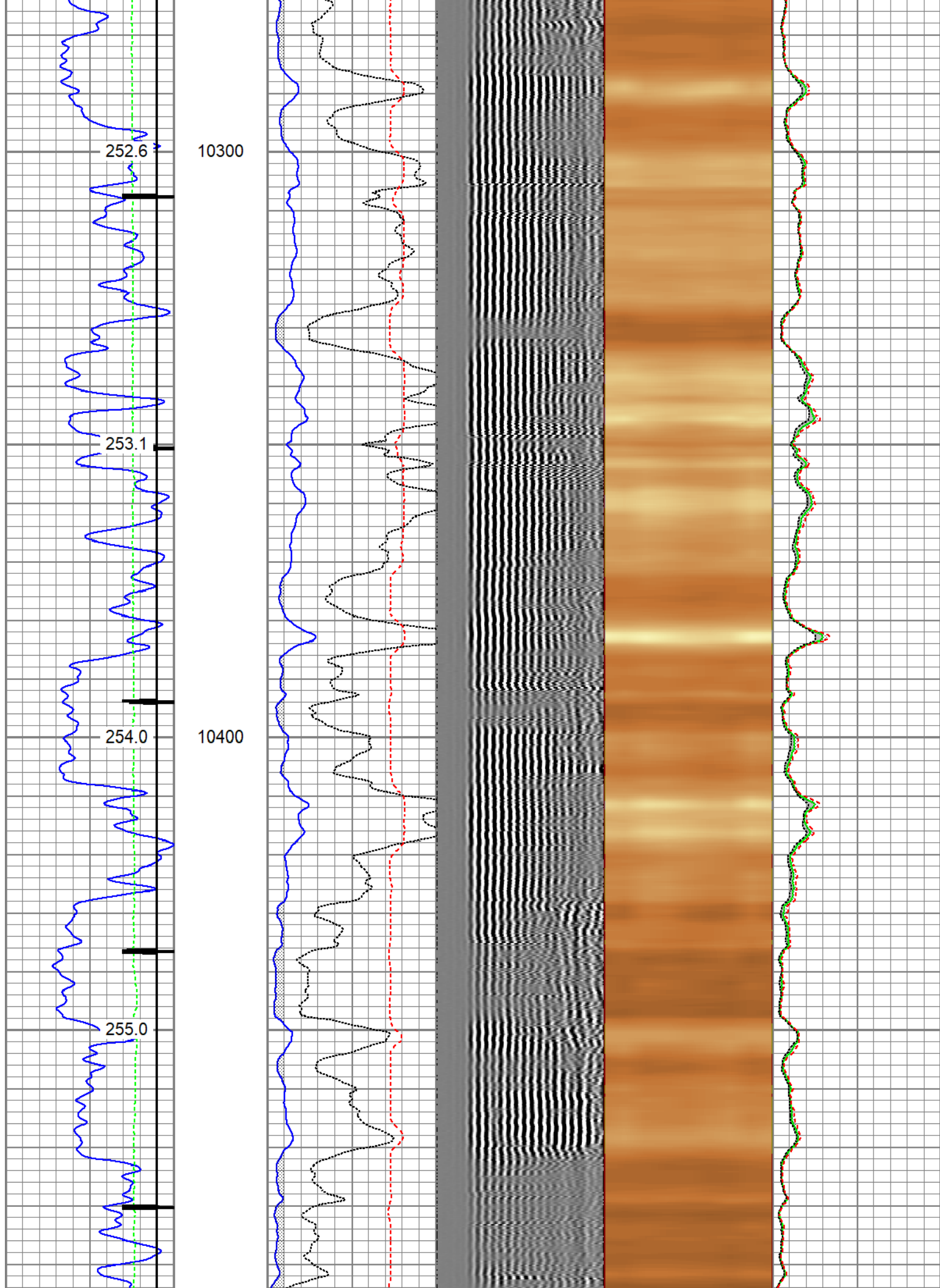
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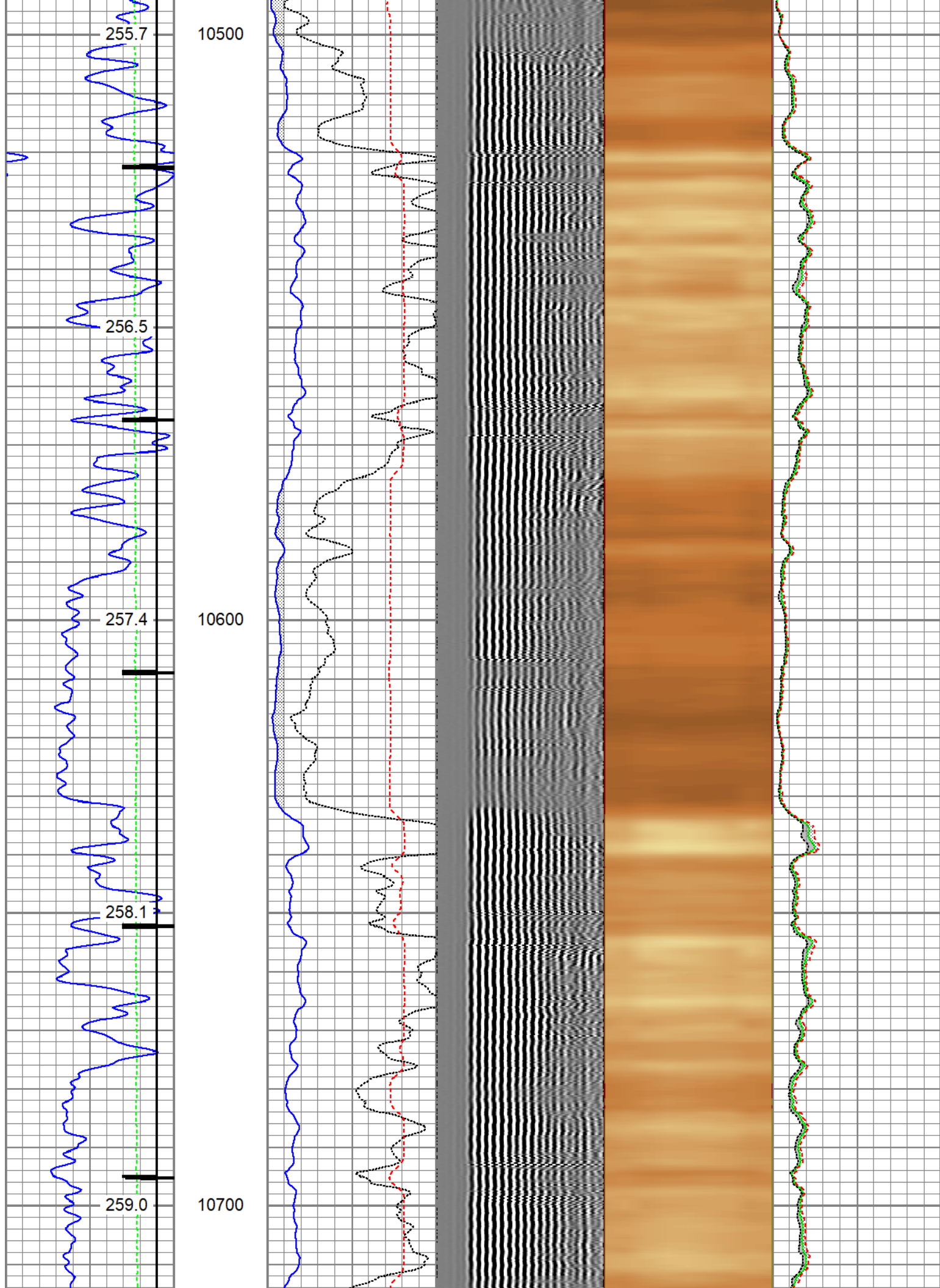
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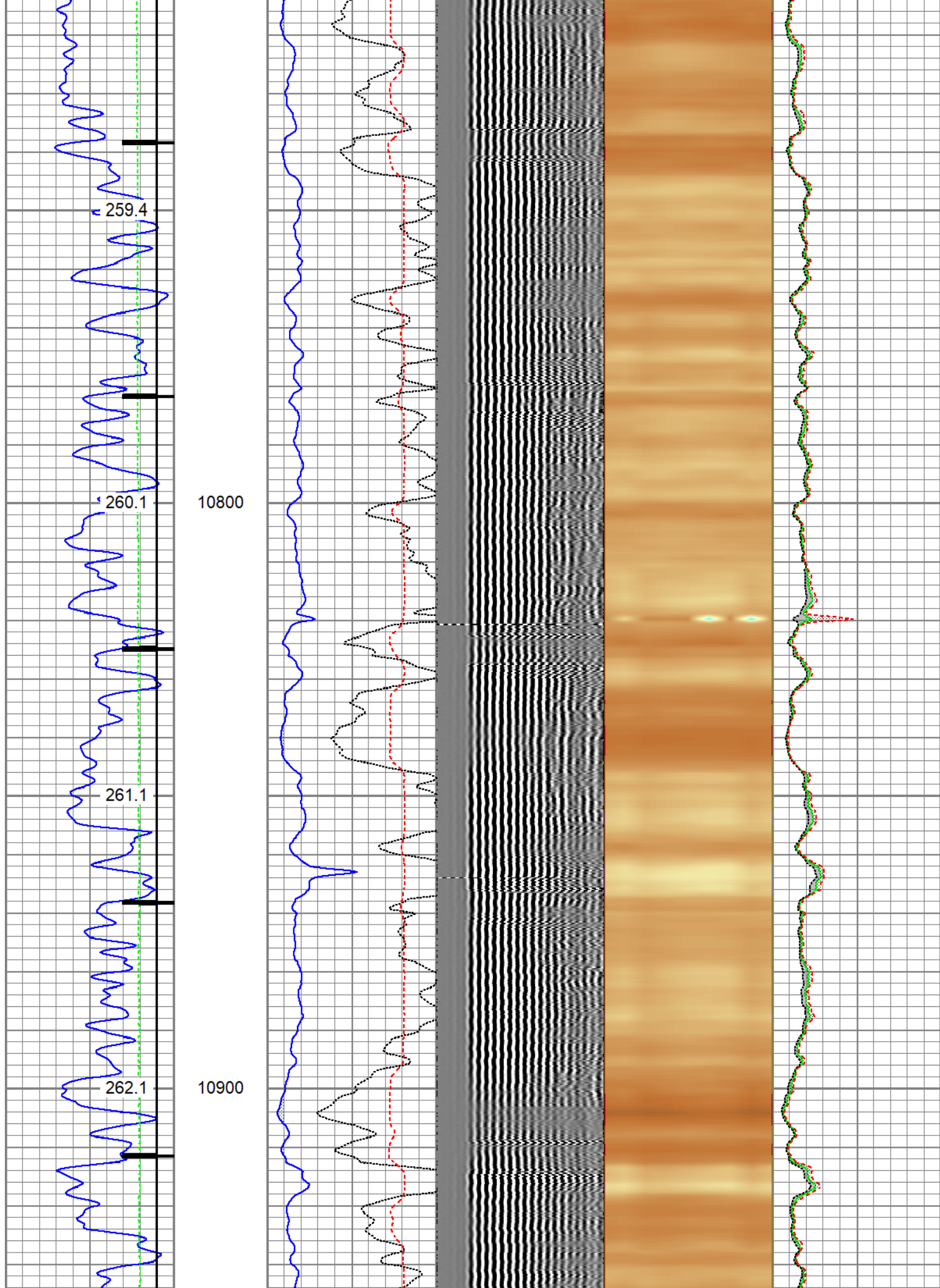




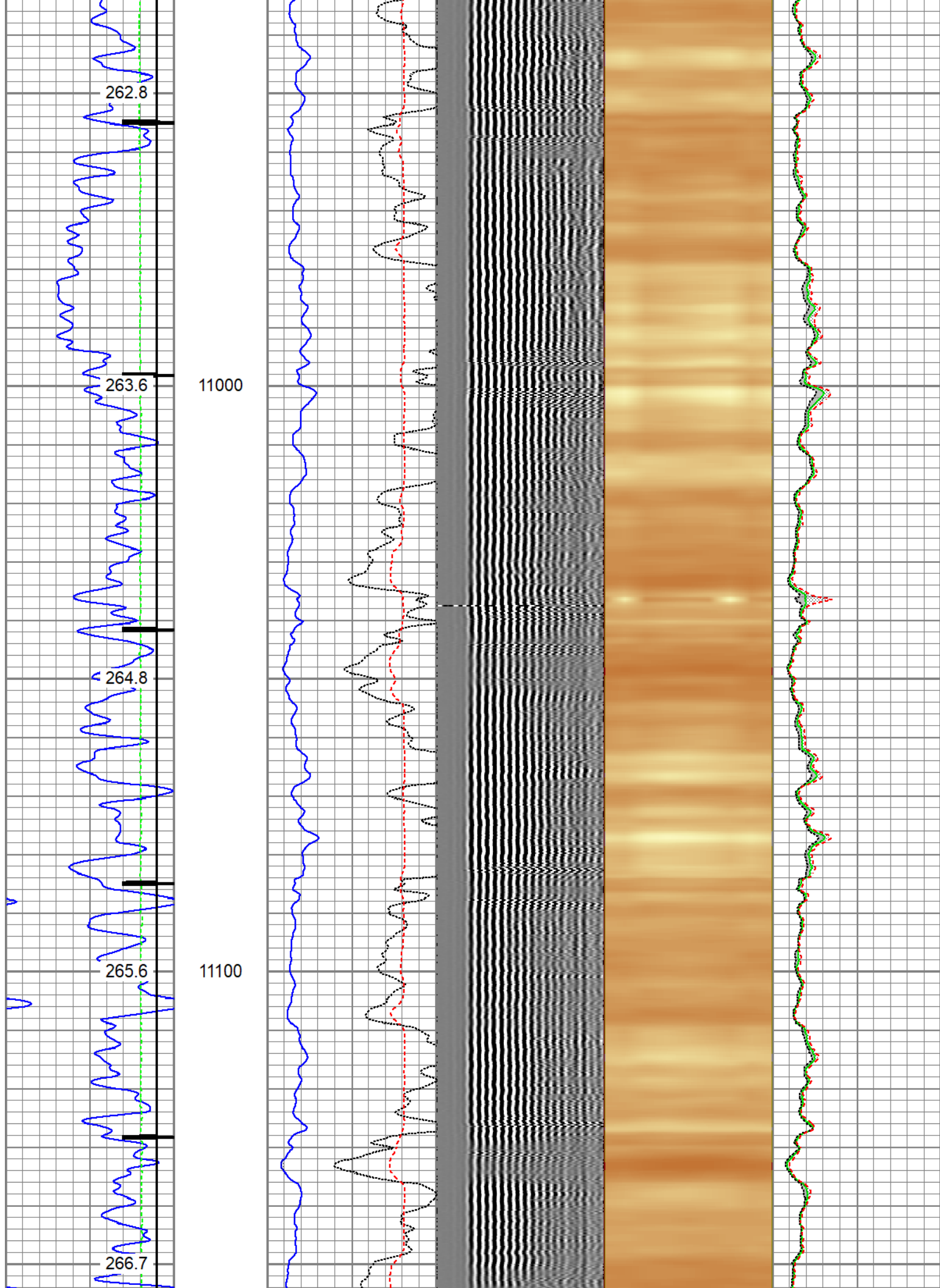


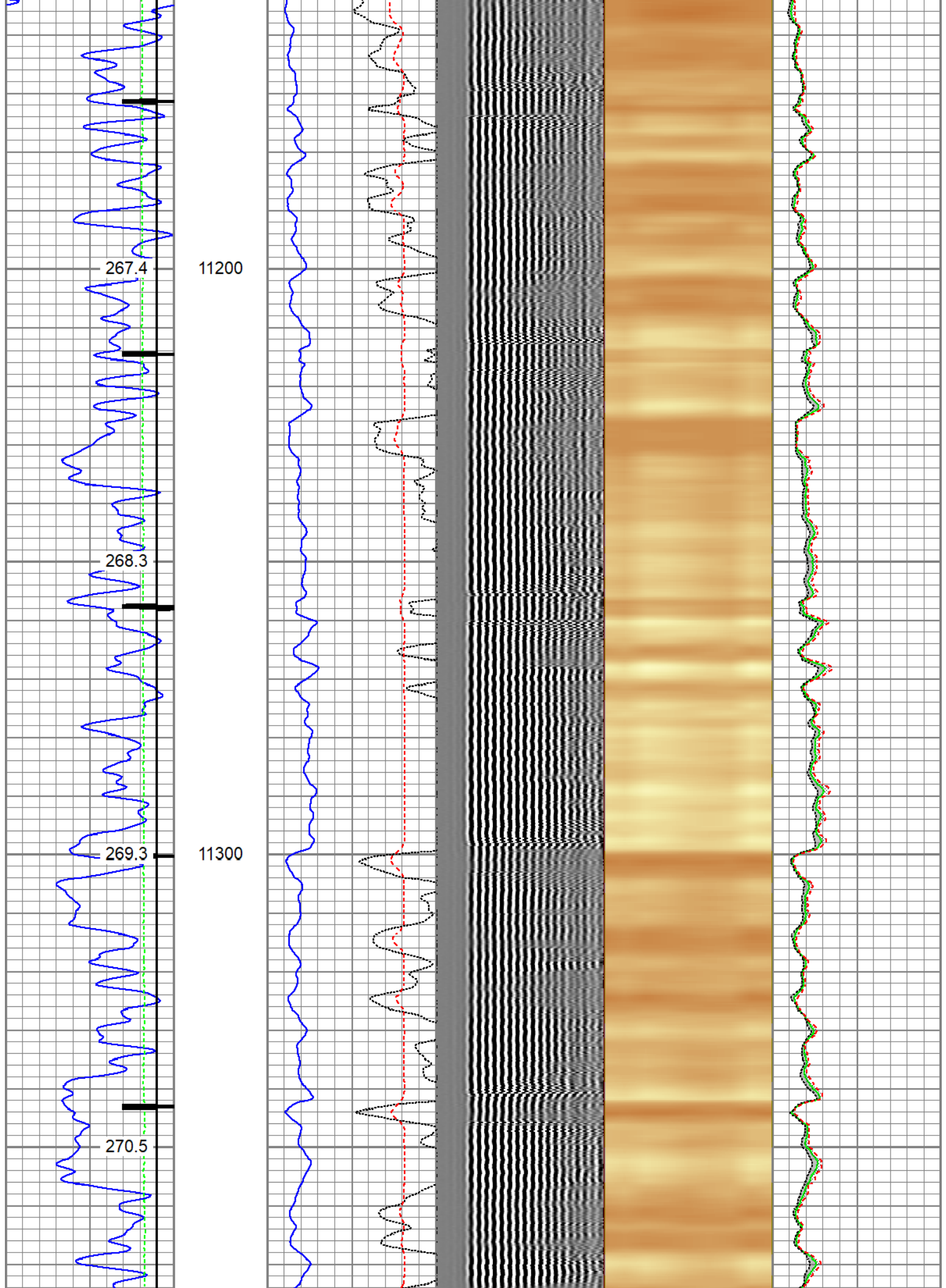


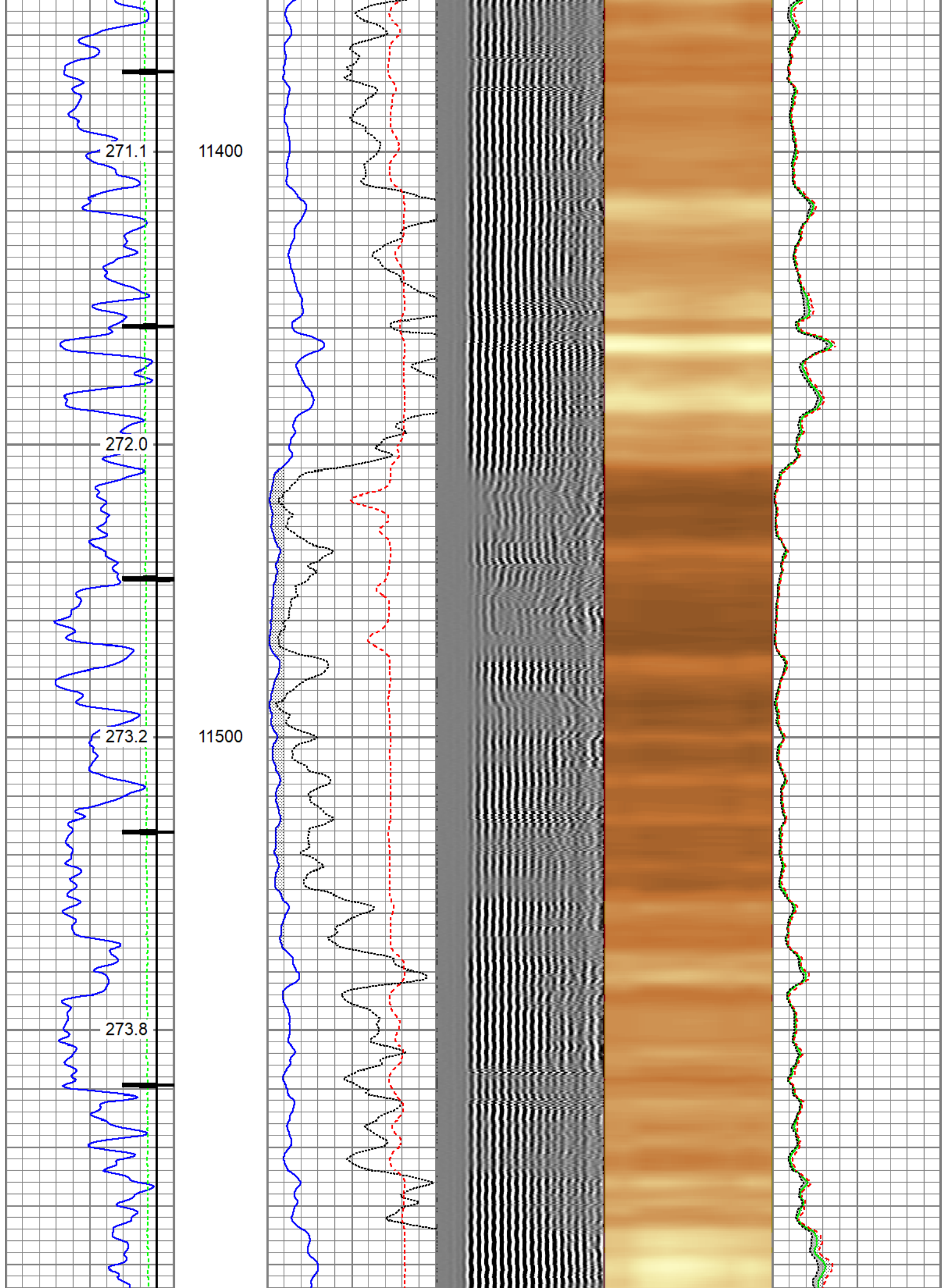




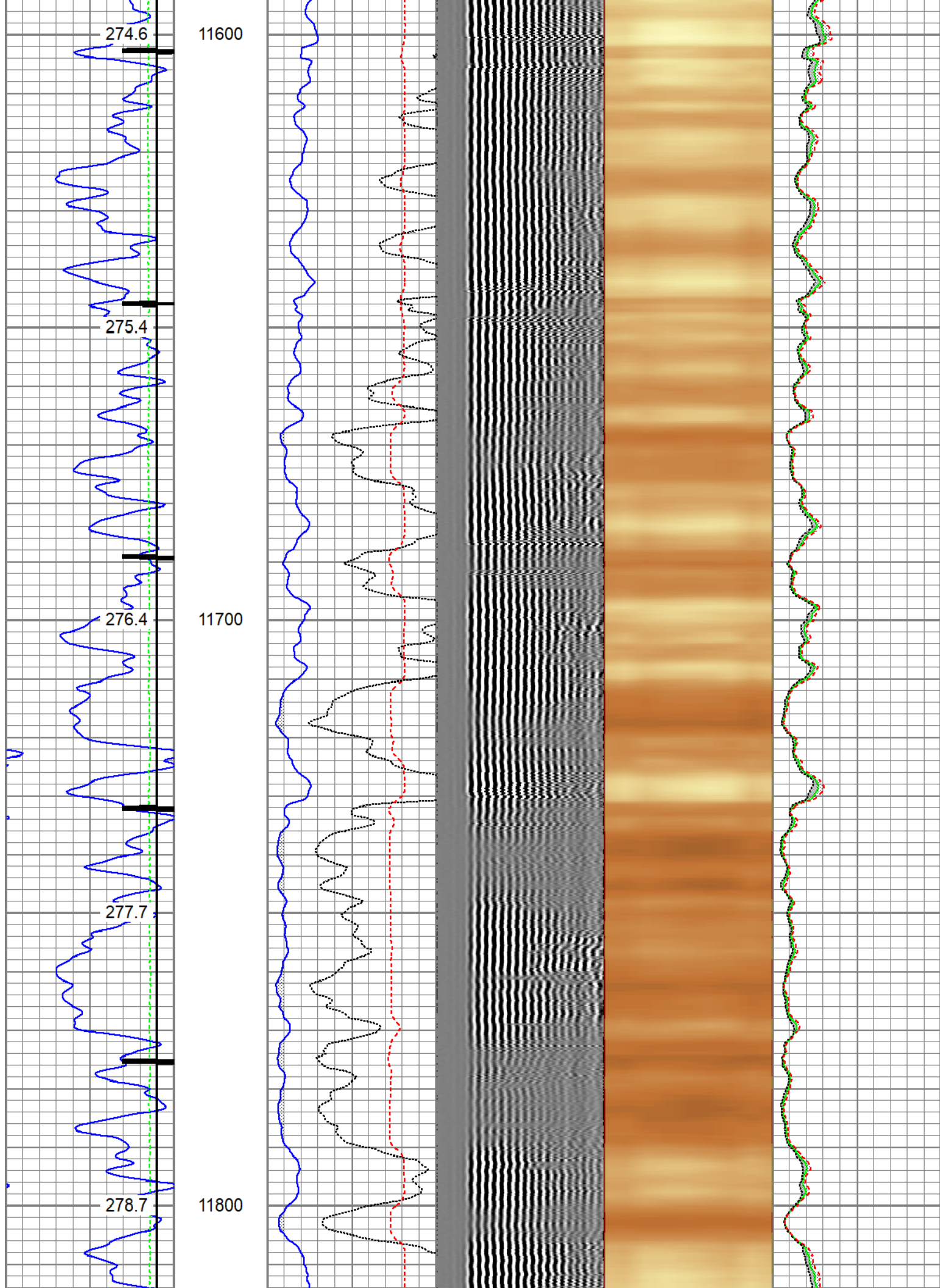


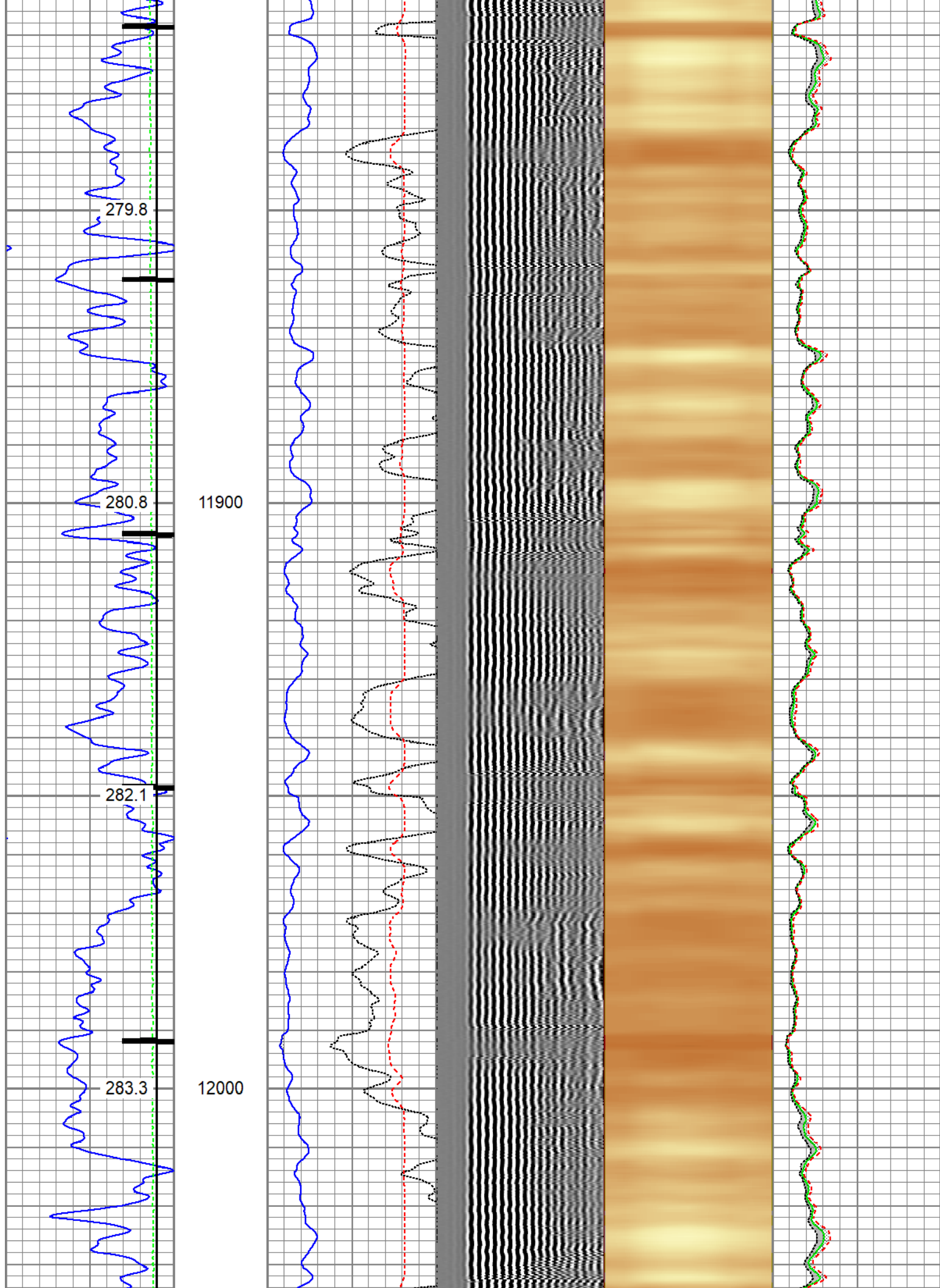


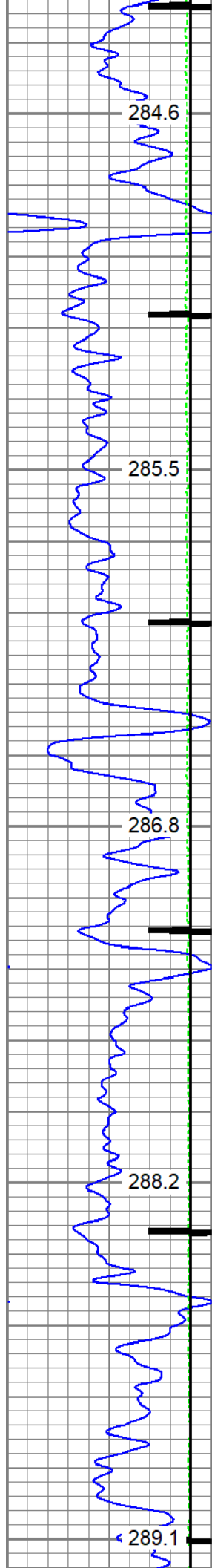






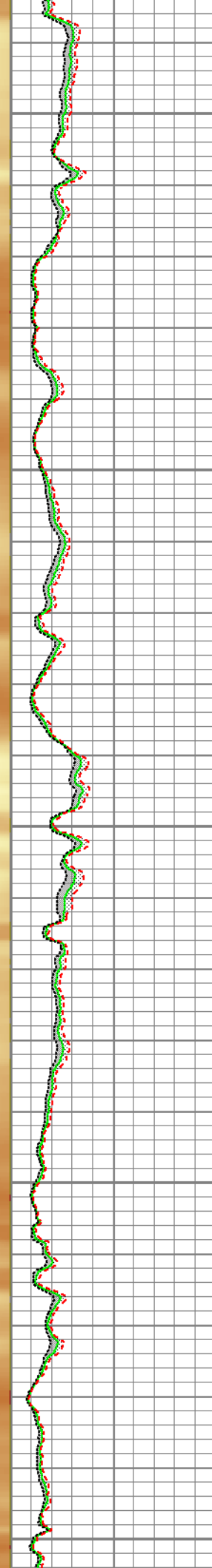
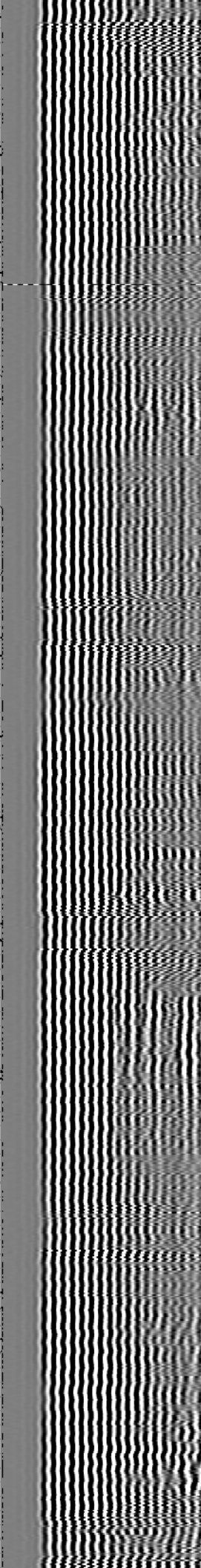
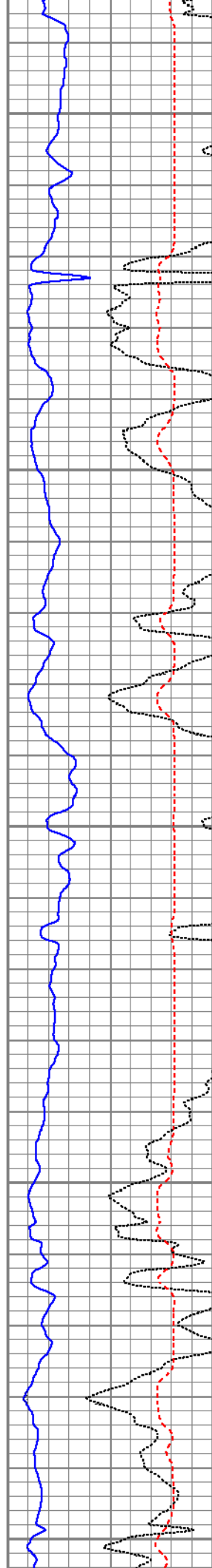




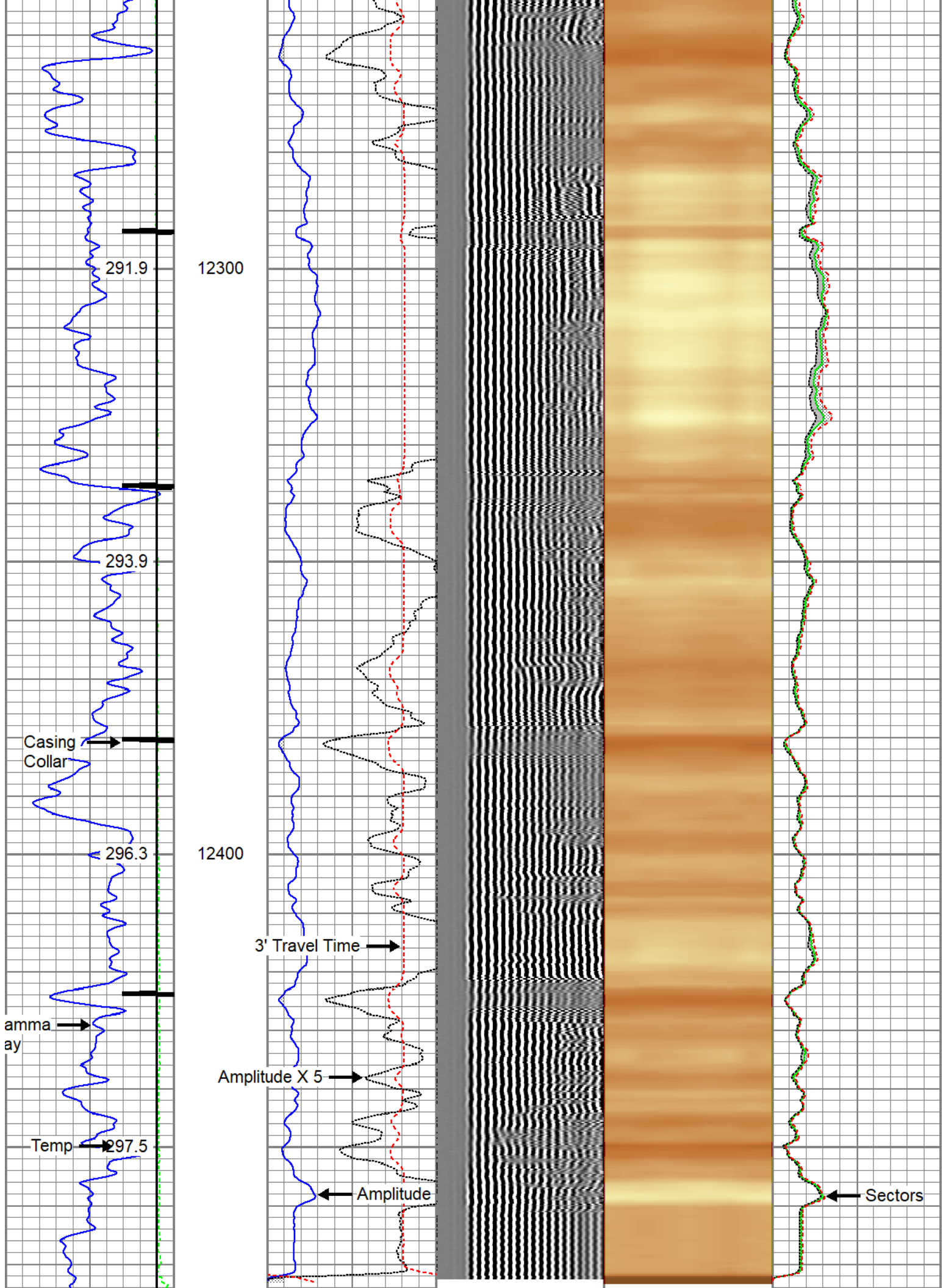


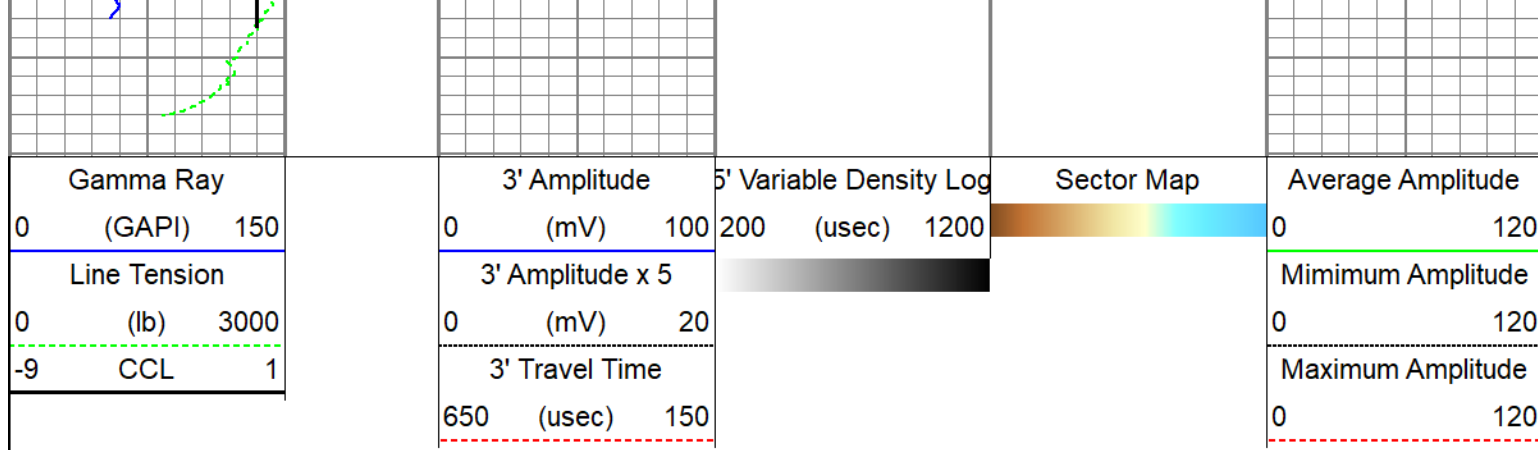
12100

12200



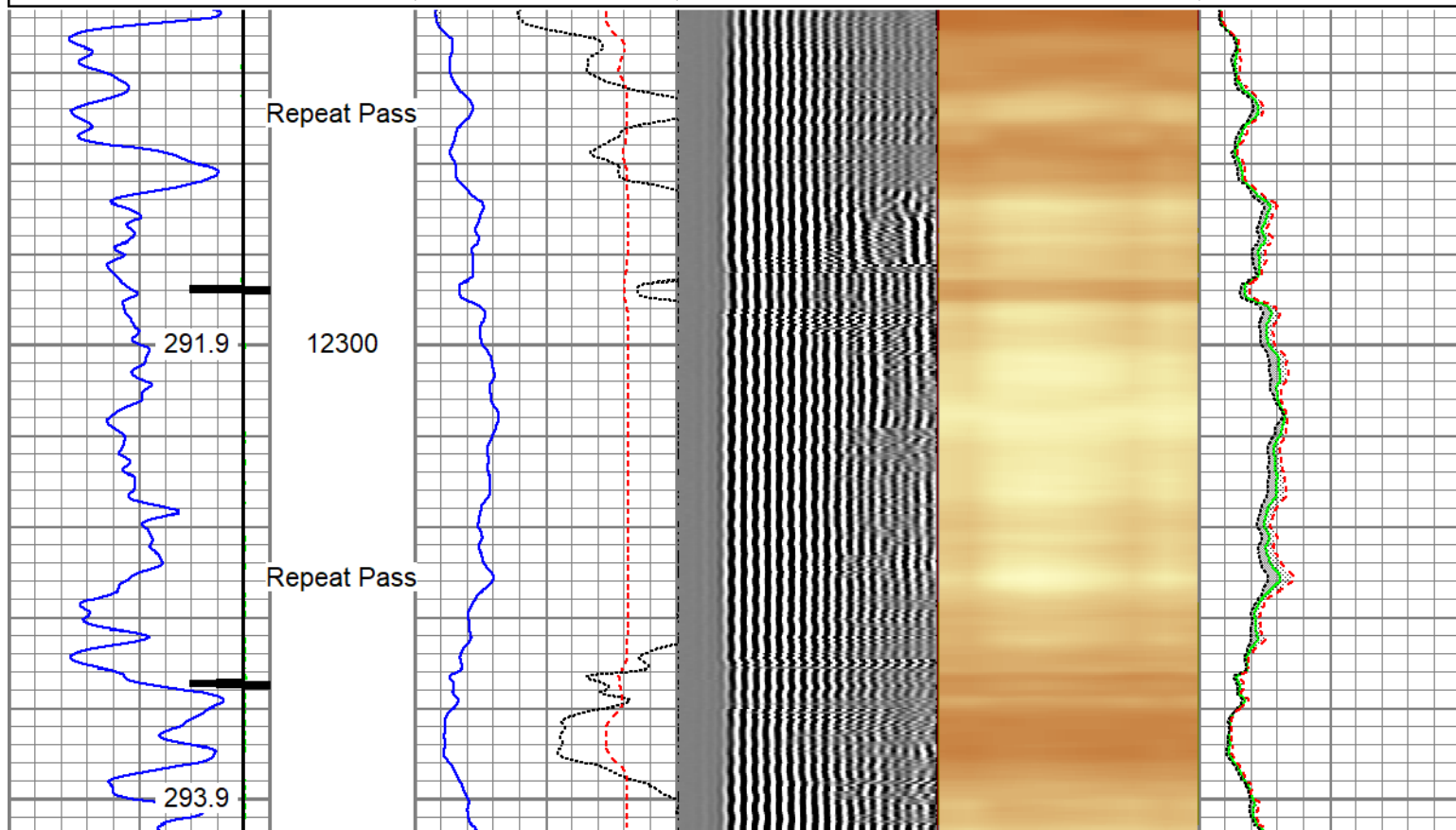
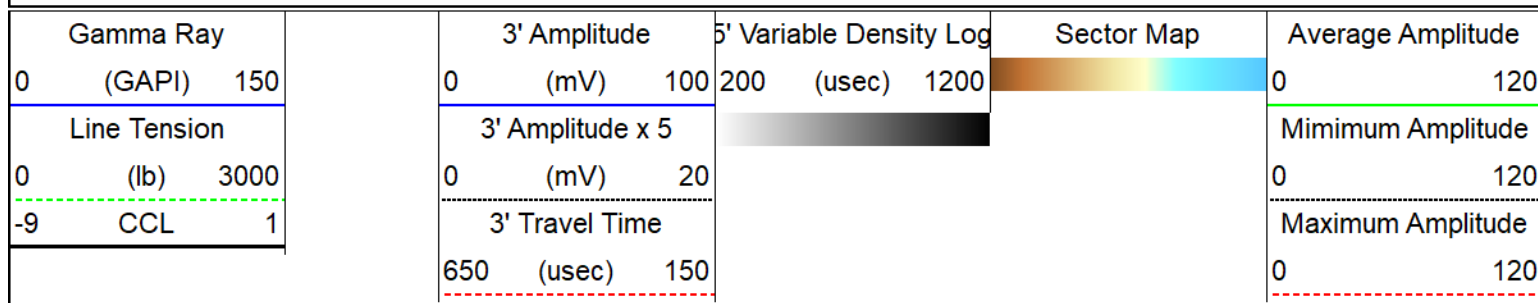


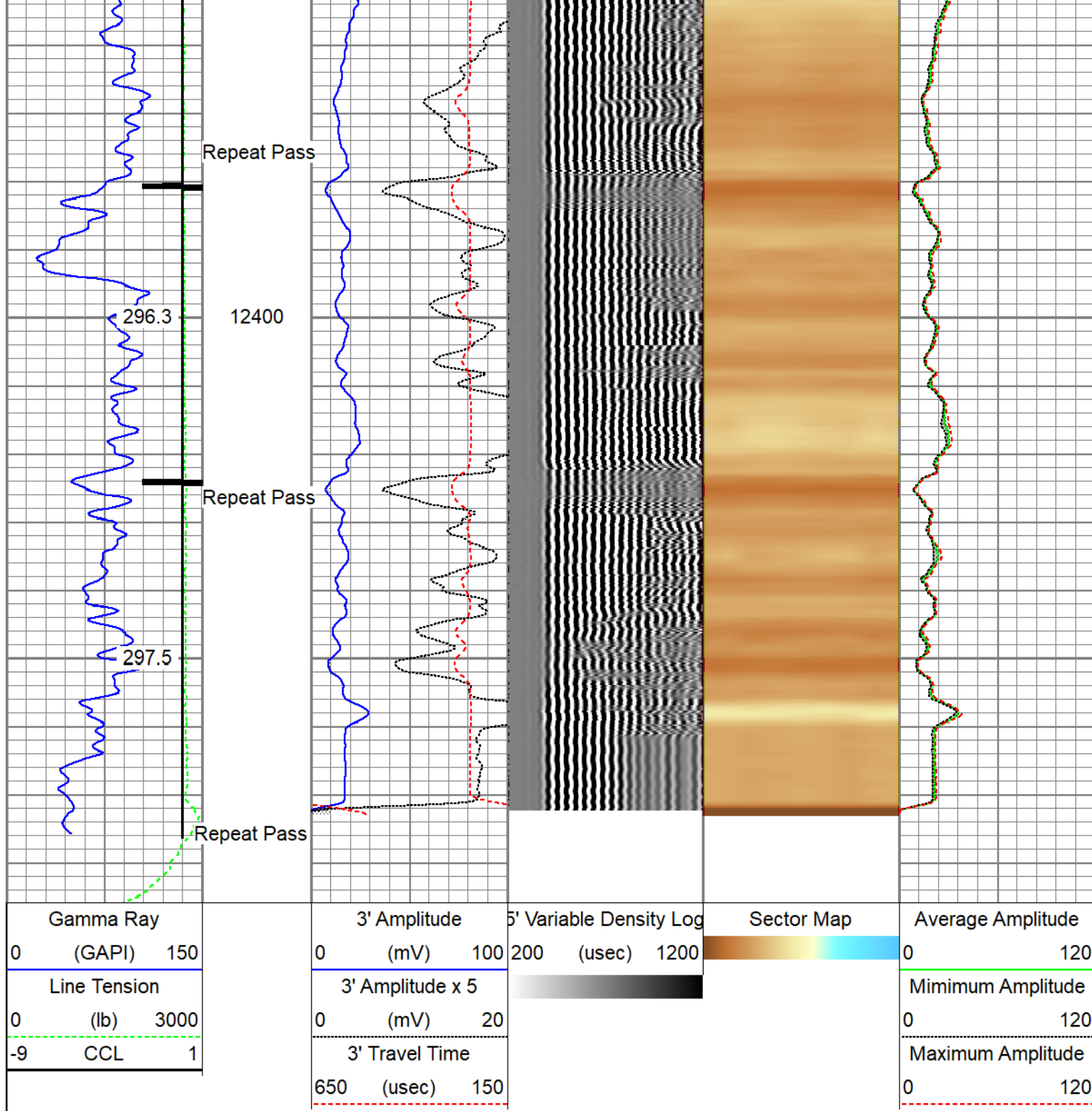




# Repeat Pass 5" = 100'

Database File	caerus_bju b26 fed 21b-27-496_rcbl_cnl_10-10-2022.db
Dataset Pathname	repeat
Presentation Format	twgrcbl
Dataset Creation	Tue Oct 11 15:06:16 2022
Charted by	Depth in Feet scaled 1:240





<div> <div>Database File</div> <div>caerus_bju b26 fed 21b-27-496_rcbl_cnl_10-10-2022.db</div> </div> <div> <div>Dataset Pathname</div> <div>main</div> </div> <div> <div>Dataset Creation</div> <div>Tue Oct 11 15:12:24 2022</div> </div>	
Compensated Neutron Calibration Report	
Model:	CNT - 275Dig
Serial Number:	FW1409-35
SHOP CALIBRATION	Thu Mar 31 15:47:13 2022
Cal Tube	Units



Tank Ratio	11.6940	SS/LS
LS Detector	68.71	cps
SS Detector	748.49	cps
Tool Ratio	10.8929	SS/LS
Tool Gain	1.0735	----

PRE-SURVEY VERIFICATION				
	SS Detector	LS Detector	Measured (p.u.)	Target (p.u.)

POST-SURVEY VERIFICATION				
	SS Detector	LS Detector	Measured (p.u.)	Target (p.u.)

Gamma Ray Calibration Report				
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Type / Serial:		Probe275dig / FW1403-104		
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SHOP CALIBRATION		Thu Mar 31 15:29:33 2022		
	Counts/Sec.	Gain	Offset	Jig
Background	64.8			
Calibrator	250.4			
		0.8888		
PRIMARY VERIFICATION				
Background	0.0			
Calibrator	0.0			
Difference				0.0
BEFORE SURVEY VERIFICATION				
Background	0.0			
Calibrator	0.0			
Difference				0.0
AFTER SURVEY VERIFICATION				
Background	0.0			
Calibrator	0.0			
Difference				0.0

Segmented Cement Bond Log Calibration Report				
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Serial Number:	FW1312-30			
Tool Model:	Probe275acc			
Calibration Casing Diameter:	4.500	in		
Calibration Depth:	37.892	ft		

Master Calibration, performed Tue Oct 11 14:23:01 2022:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.004	0.751	0.000	81.196	108.777	-0.483

S	0.004	0.759	0.000	01.196	100.777	0.403
CAL	0.004	0.759				
5'	0.005	0.726	0.000	81.196	112.573	-0.511
SUM						
S1	0.005	0.758	0.000	100.000	132.825	-0.629
S2	0.005	0.760	0.000	100.000	132.357	-0.645
S3	0.004	0.764	0.000	100.000	131.609	-0.519
S4	0.004	0.759	0.000	100.000	132.338	-0.509
S5	0.004	0.758	0.000	100.000	132.670	-0.568
S6	0.004	0.750	0.000	100.000	134.077	-0.525
S7	0.004	0.747	0.000	100.000	134.639	-0.562
S8	0.005	0.748	0.000	100.000	134.666	-0.707

Internal Reference Calibration, performed (Not Performed):

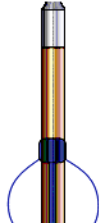
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.004	0.759	1.000	0.000

Air Zero Calibration, performed Tue Oct 11 14:21:42 2022:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1	0.000		0.000		0.000	
S2	0.000		0.000		0.000	
S3	0.000		0.000		0.000	
S4	0.000		0.000		0.000	
S5	0.000		0.000		0.000	
S6	0.000		0.000		0.000	
S7	0.000		0.000		0.000	
S8	0.000		0.000		0.000	

#### Inclinometer Calibration Report

Performed:	Thu Jul 28 15:46:49 2022				
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	-931.00	904.00	-1.00	1.00	gee
Y Accelerometer	-899.00	884.00	-1.00	1.00	gee
Z Accelerometer	1.47	886.18	0.00	1.00	gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			SO BS CENT-2750-4500 Slip Over 2 3/4" I.D. for 4 1/2" O.D. Casing Flow	1.33	3.25	10.00

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Radial Cement Bond  
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