



RADIAL CEMENT BOND  
GAMMA RAY  
CCL

Company	BILL BARRETT CORP
Well	KUNSMILLER NW21 5-61-20-0801B2B
Field	WATTENBERG
County	WELD
State	COLORADO

Company	BILL BARRETT CORP
Well	KUNSMILLER NW21 5-61-20-0801B2EE
Field	WATTENBERG
County	WELD
	State
	COLORADO

Location:	API # : 05-123-44296	Other Services
SHL: 1006' FNL 300' FWL NE/NW		
SEC 21 TWP 5N RGE 61W		
Permanent Datum	GL	Elevation 4637'
Log Measured From	KB 16.5'	
Drilling Measured From	KB	
		Elevation
		K.B. 4621'
		D.F. 4620'
		G.L. 4637

Date	8-19-2017
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Run Number	ONE
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Depth Driller	1000
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Depth Logger	5694
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Bottom Logged Interval	5694
Top of Interval	5116A

Open Hole Size	NA
Top Log Interval	30K-1A

Open Ellipse	WATER
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Density / Viscosity	1
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Max. Recorded Temp.	NA

Estimated Cement Top	950'
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Time Well Ready	NA
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Time Logger on Bottom	NA
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Equipment Number	W-14:
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Location	WINDSOR
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Recorded By	A. STEER
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Witnessed By R. BEHRE

Borehole Record		
Bore Number	Pit	From To

Ball Number	Bit	Flail	Lo




Casing Record	Size	

Surface String		
Just Chimes		

Production String		
prol. string		

inner		
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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

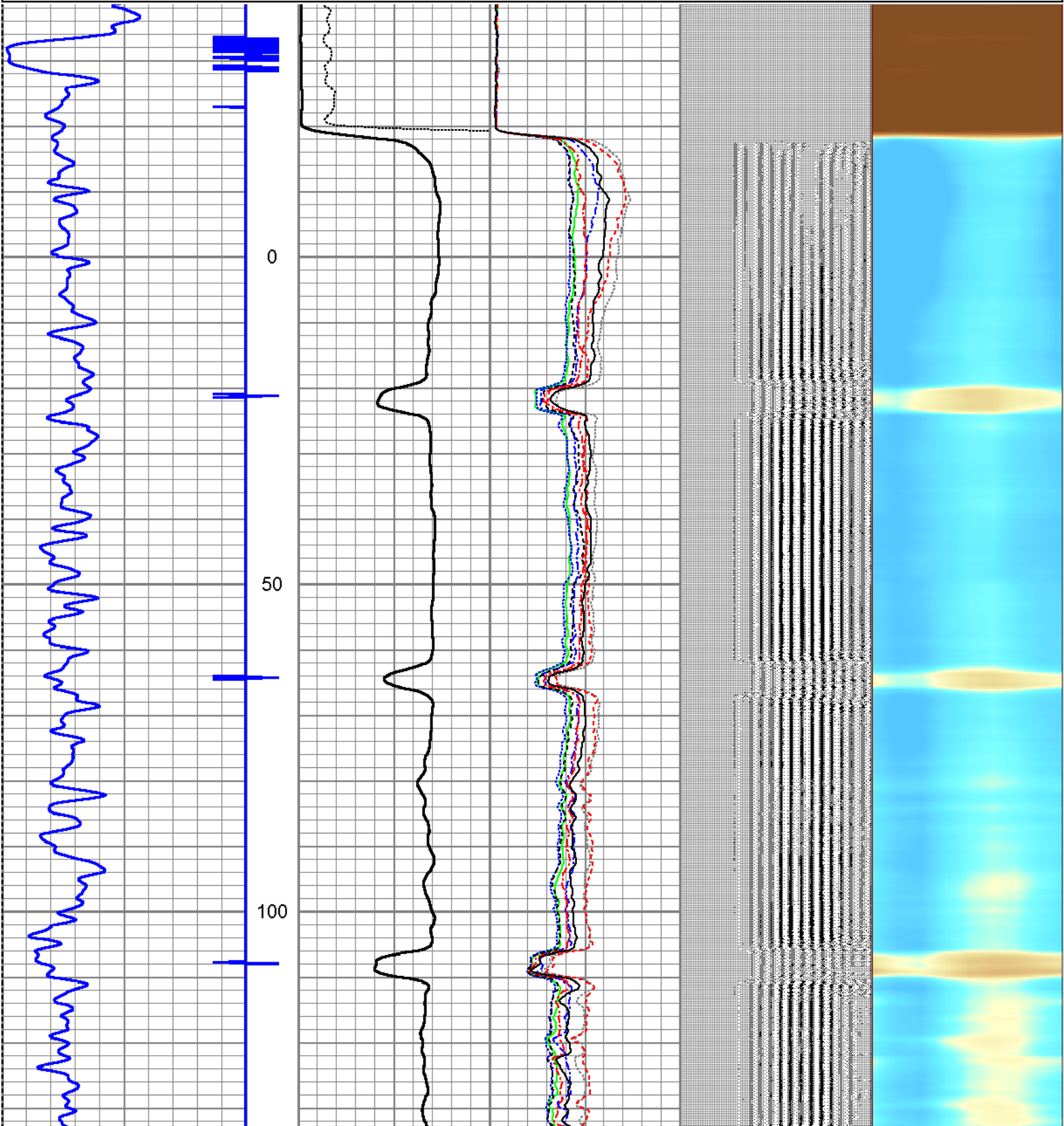
RAN CEMENT BOND LOG TO VERIFY CEMENT  
CORRELATED TO LINER TOP @ 5658'  
SHIFTED UP HOLE 38'

THANK YOU FOR USING CUTTERS WIRELINE!

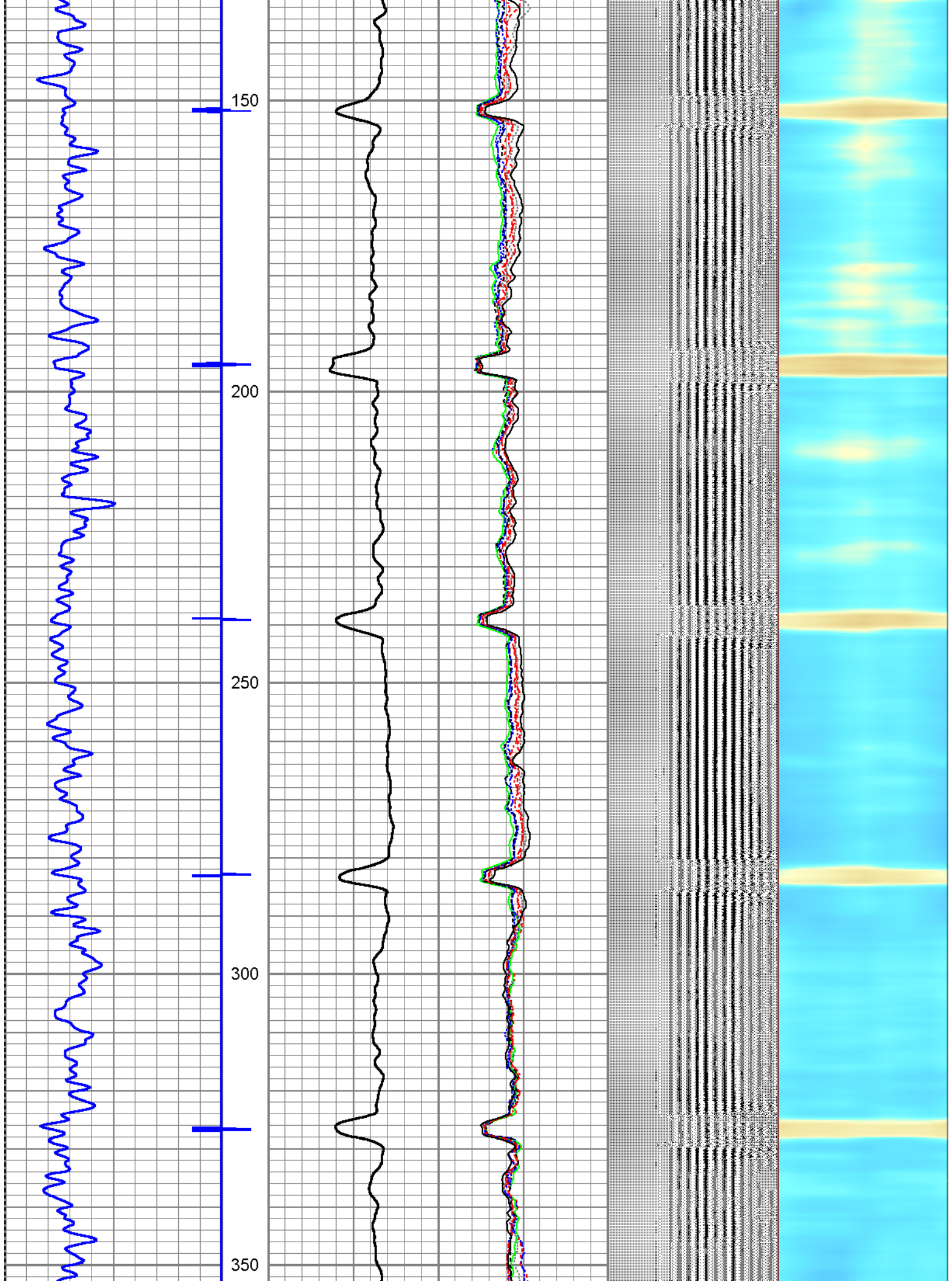
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			1.4375CHD Titan Cable Head 1 7/16	1.00	1.44	10.00

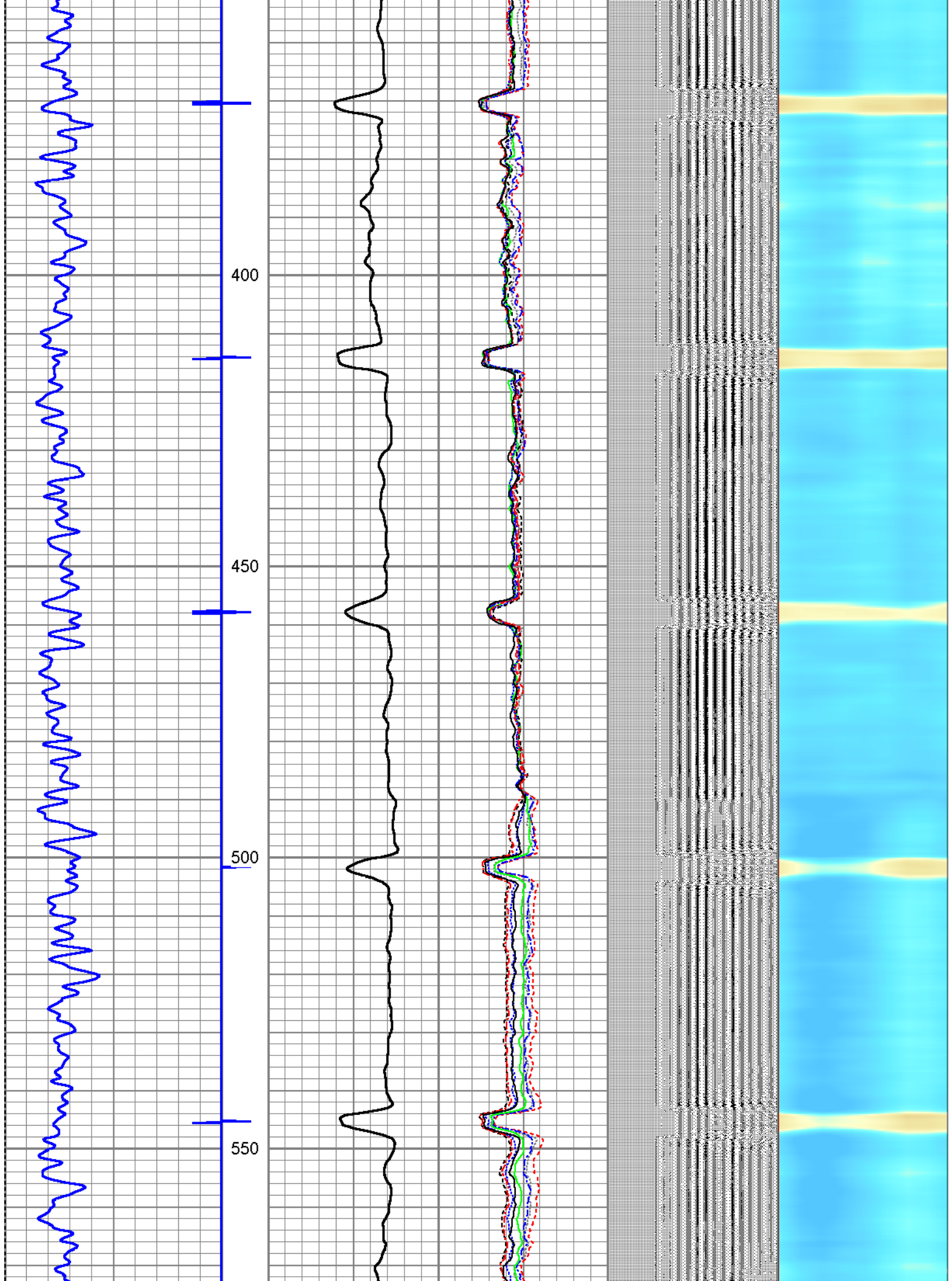
WVF3FT	11.17		<b>RBT-Probe (Pro101111)</b> Probe 2.75" Radii Bond Tool	7.00	2.75	90.00					
WVFCAL	11.17										
WVFS1	11.17										
WVFS2	11.17										
WVFS3	11.17										
WVFS4	11.17										
WVFS5	11.17										
WVFS6	11.17										
WVFS7	11.17										
WVFS8	11.17										
WVF5FT	10.17										
CCL	6.02		<b>GR-Probe275 (275_080526)</b> Probe Gamma Ray CCL Analog Bottom Det.	4.58	2.75	57.00					
GR	3.23										
			<b>TEMP-1.375TEMP (0001)</b> Temperature Tool	2.40	1.38	30.00					
TEMP	0.17										
Dataset: kunsmiller nw 21 5-61-20-0801b2b.db: field/well/run1/pass7											
Total Length: 14.98 ft											
Total Weight: 187.00 lb											
O.D. 2.75 in											

Dataset Creation: Sat Aug 15 16:41:45 2017 by Log Std Cascadore 03001			Charted by:			Depth in Feet scaled 1:240					
343	TT (usec)	243		Amplitude	-5	AMPS2	150	200	VDL	1200	Cement Map
0	GR (GAPI)	150	0	(mV)	100	-5	AMPS3	150	 		
0	LTEN (lb)	4000	Amplified Amplitude		-5	AMPS4	150				
		CCL	0	(mV)	10	-5	AMPS5	150			
					-5	AMPS6	150				
					-5	AMPS7	150				
					-5	AMPS8	150				
					-5	AMPS1	150				

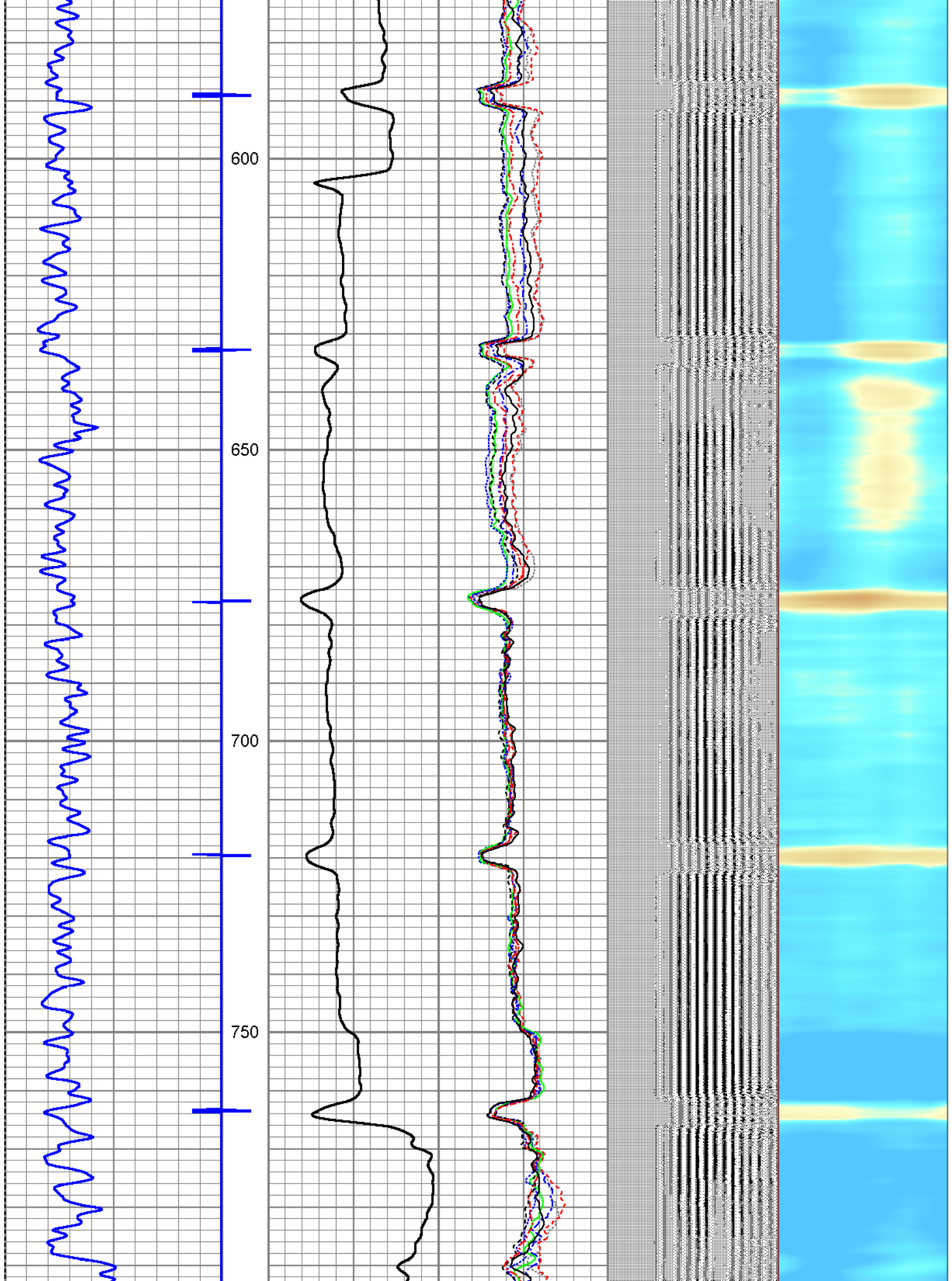


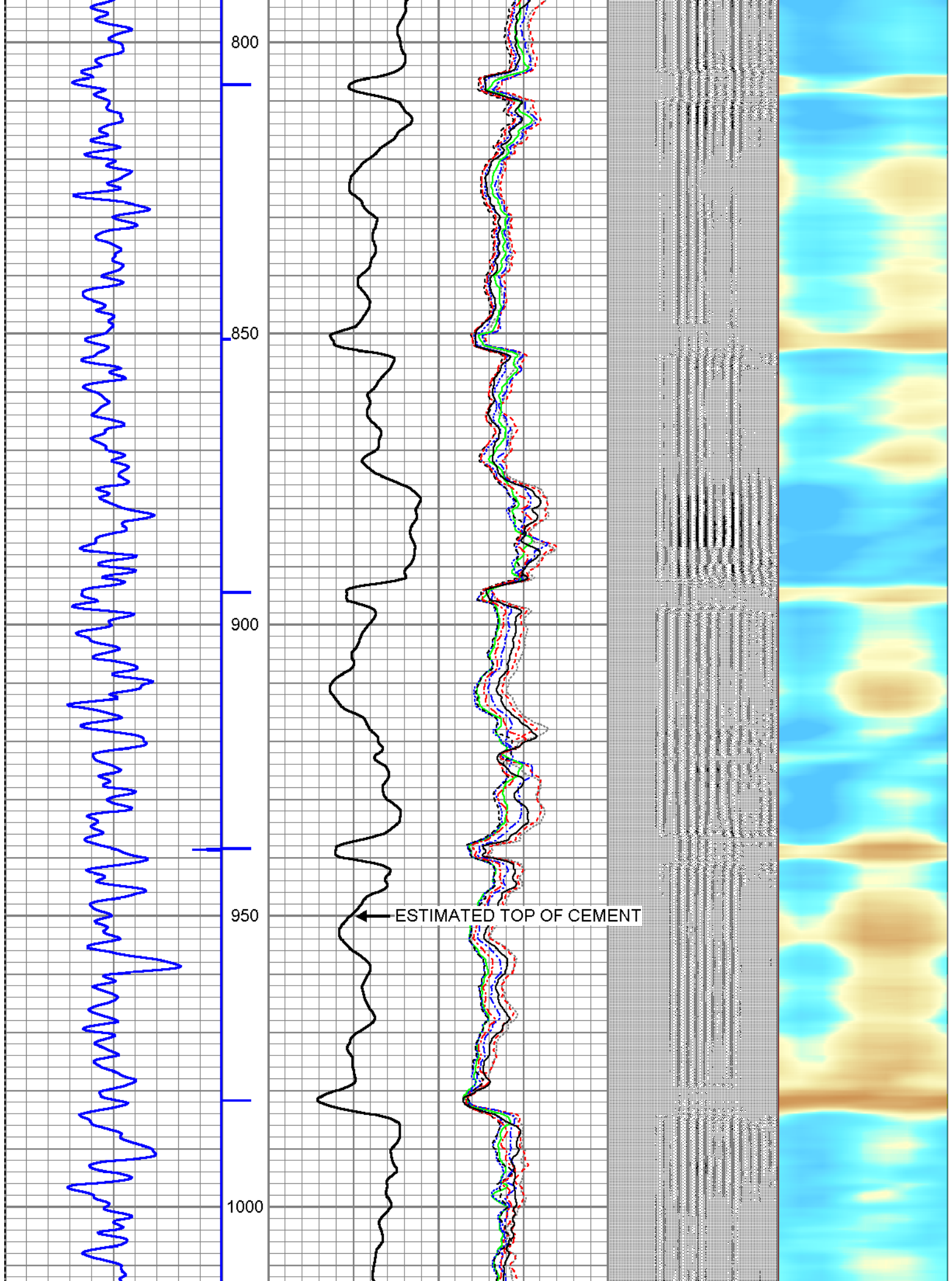




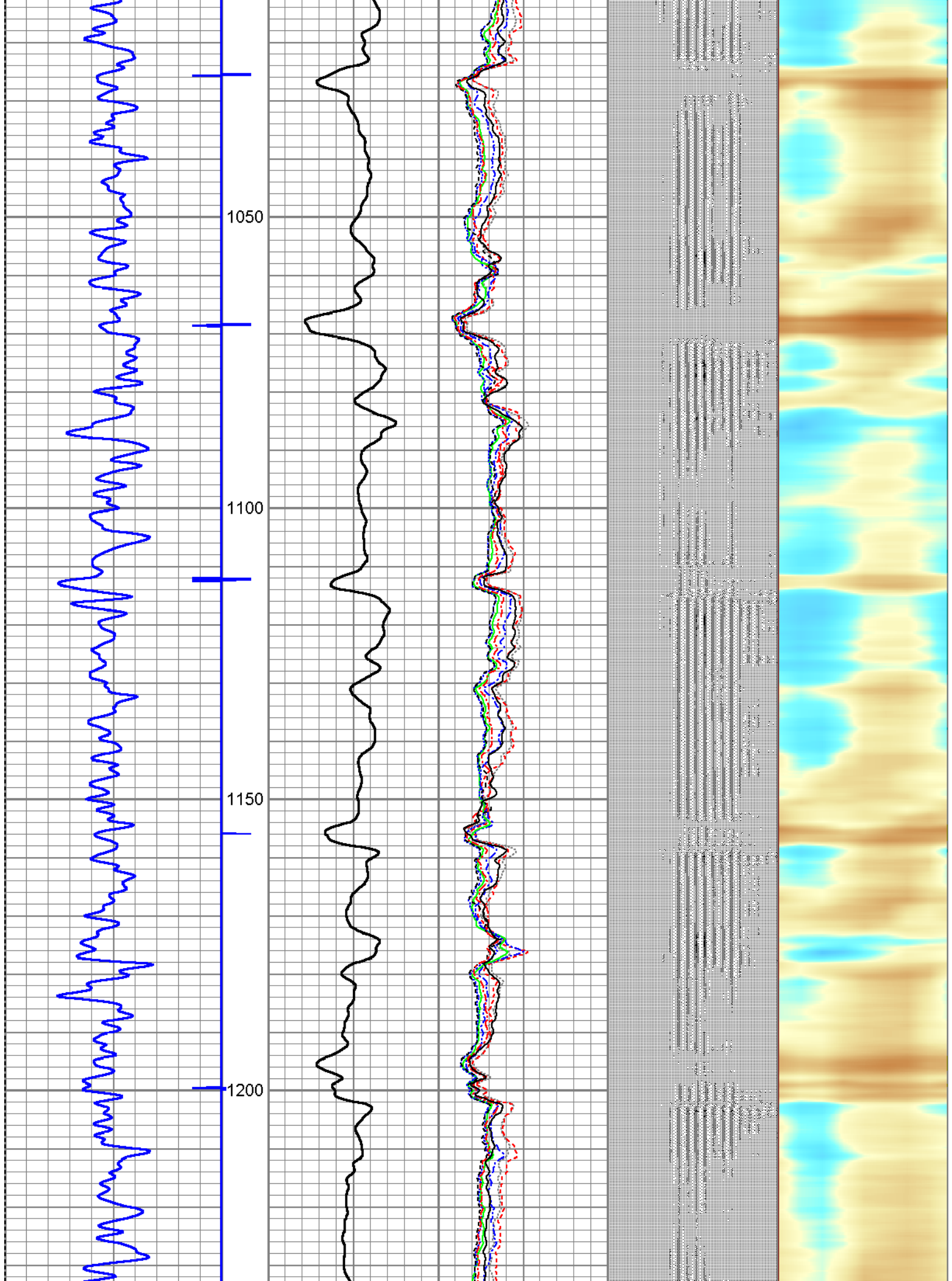




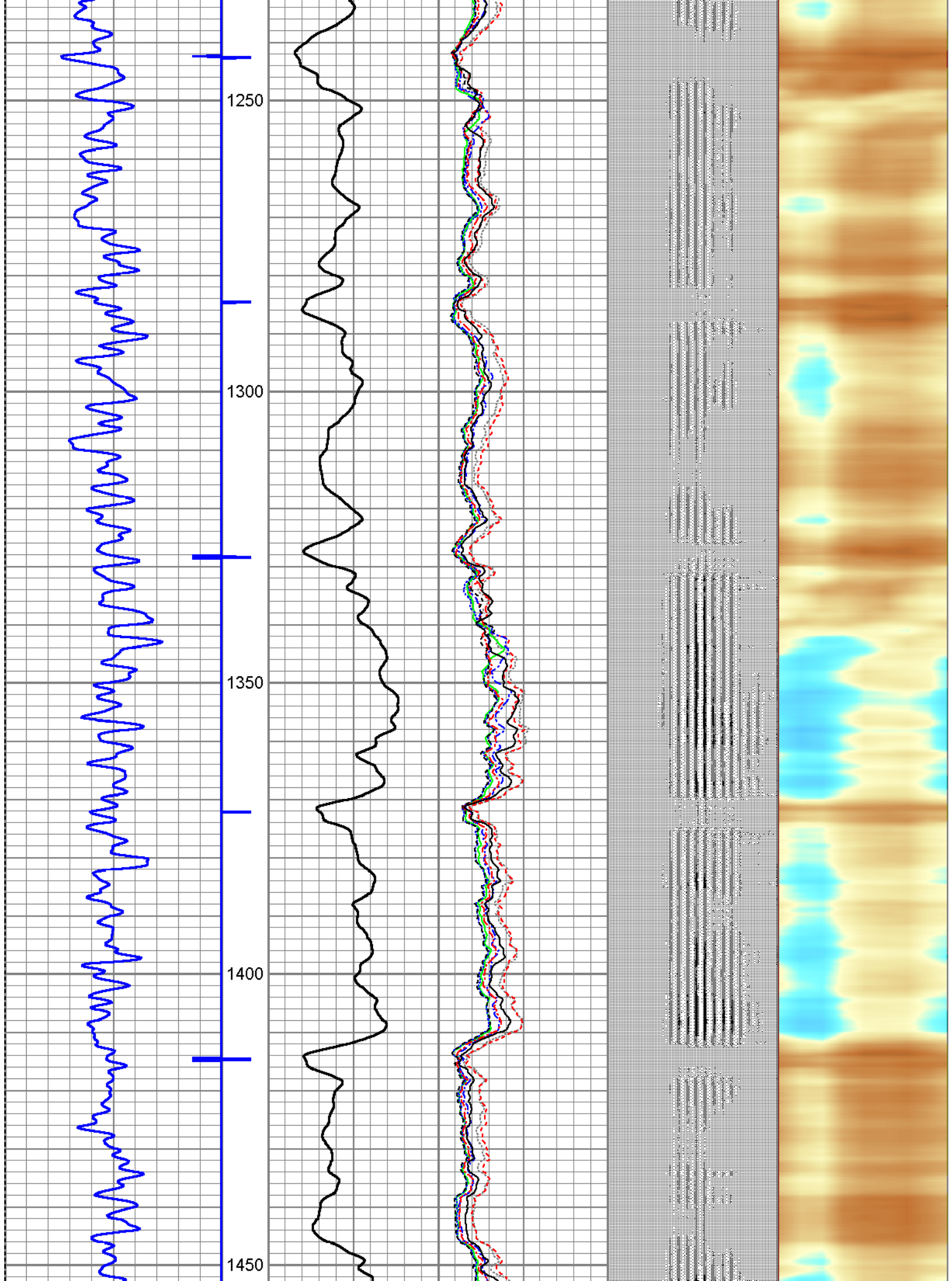




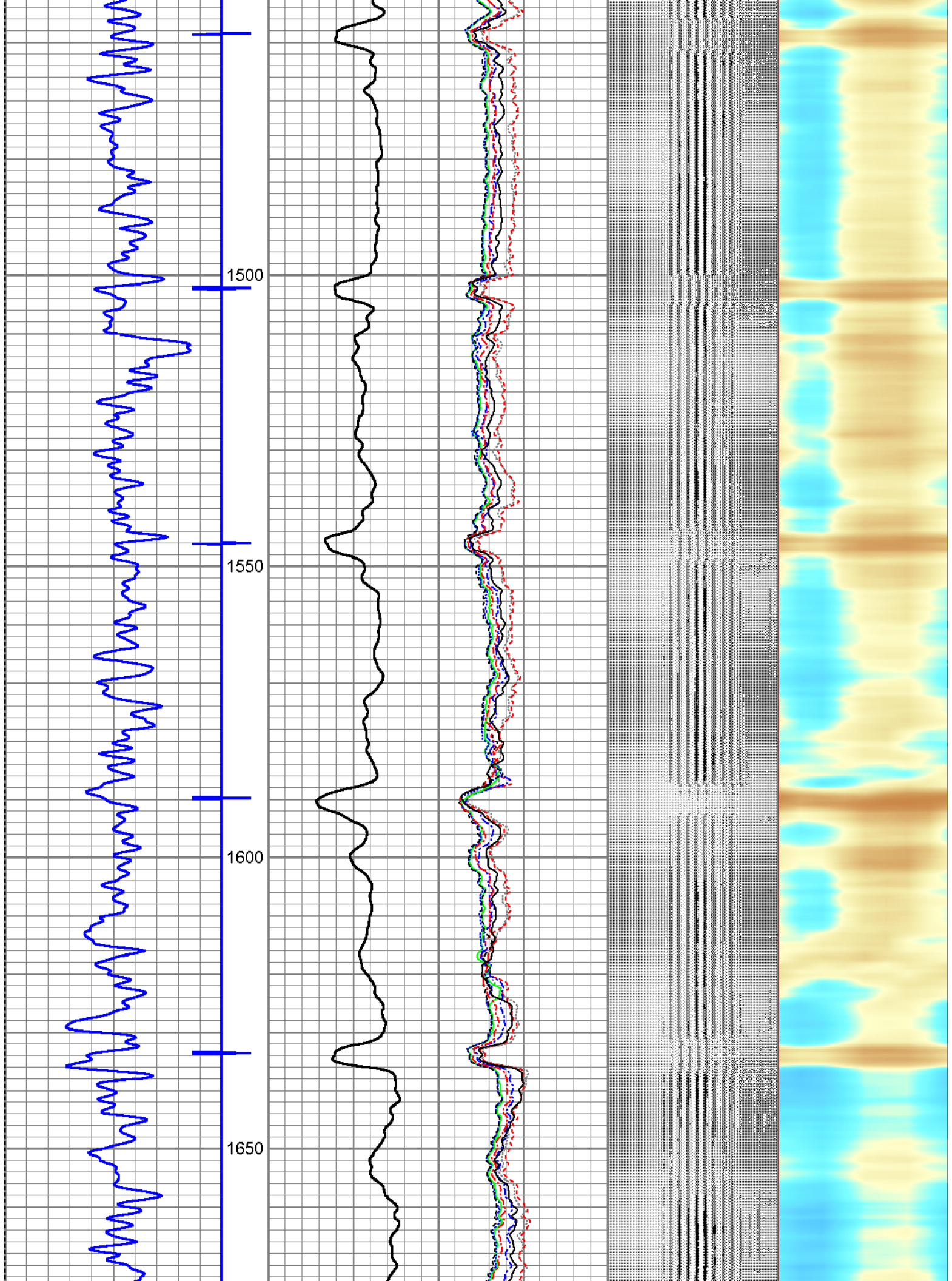




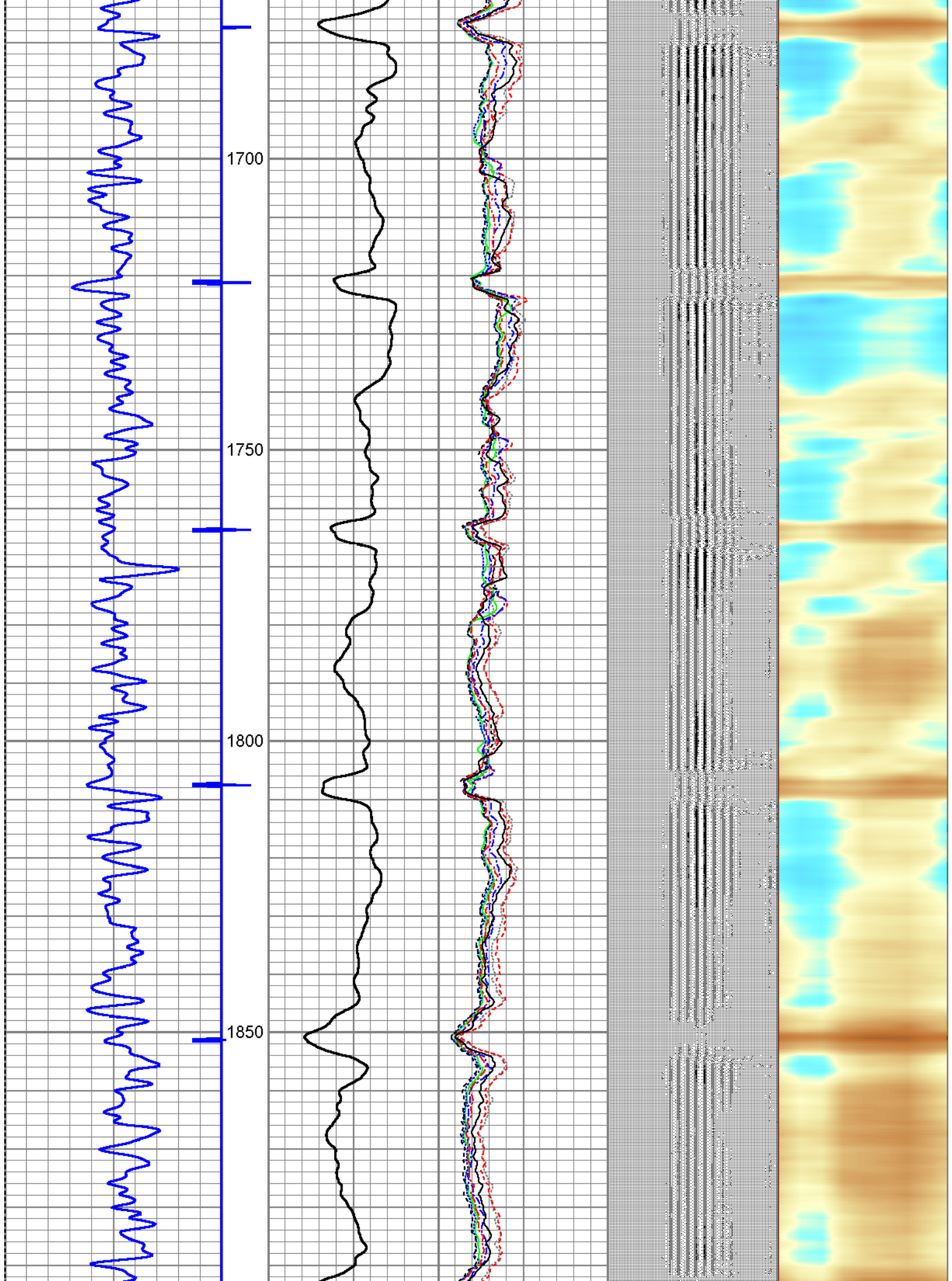




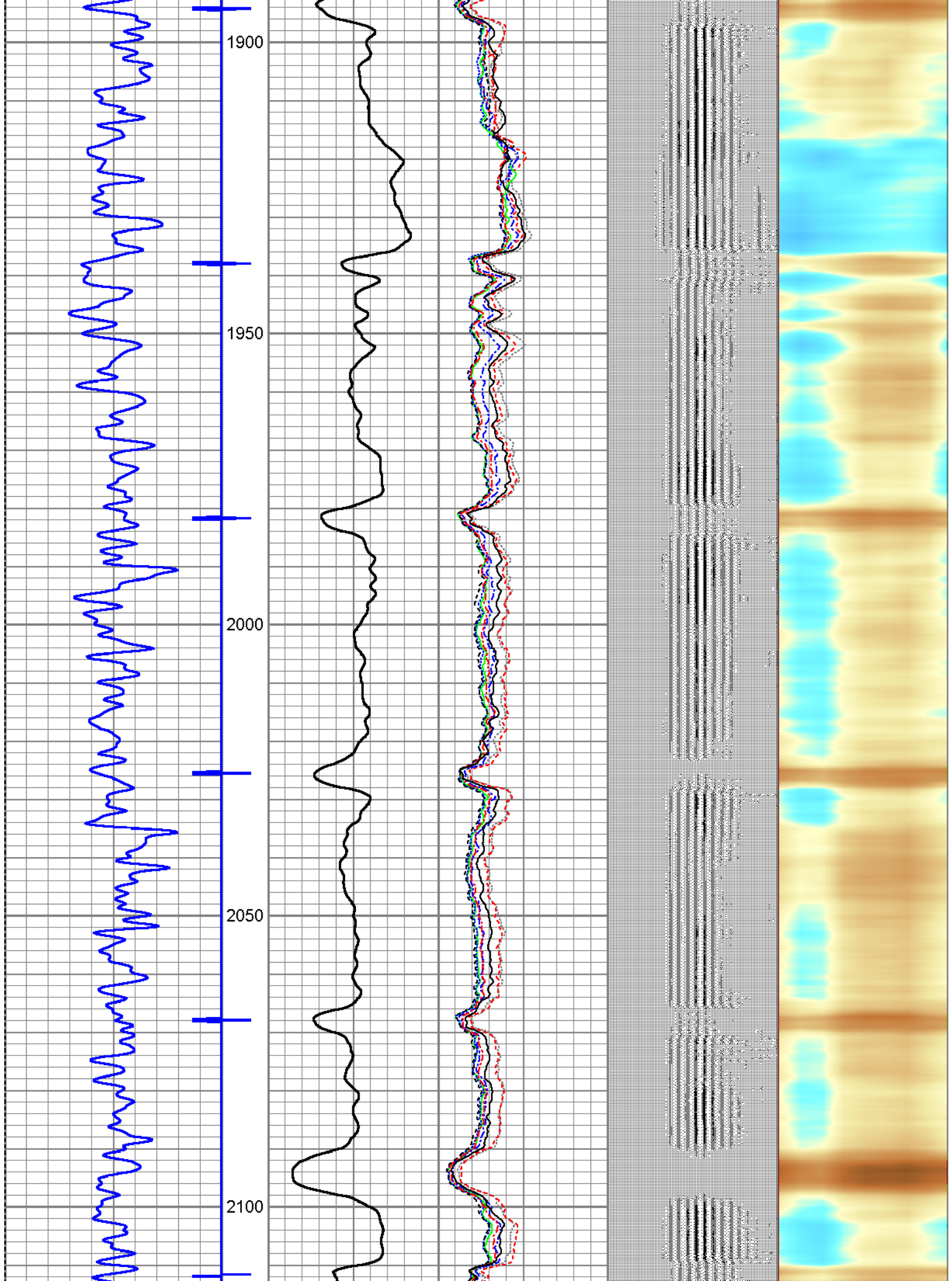




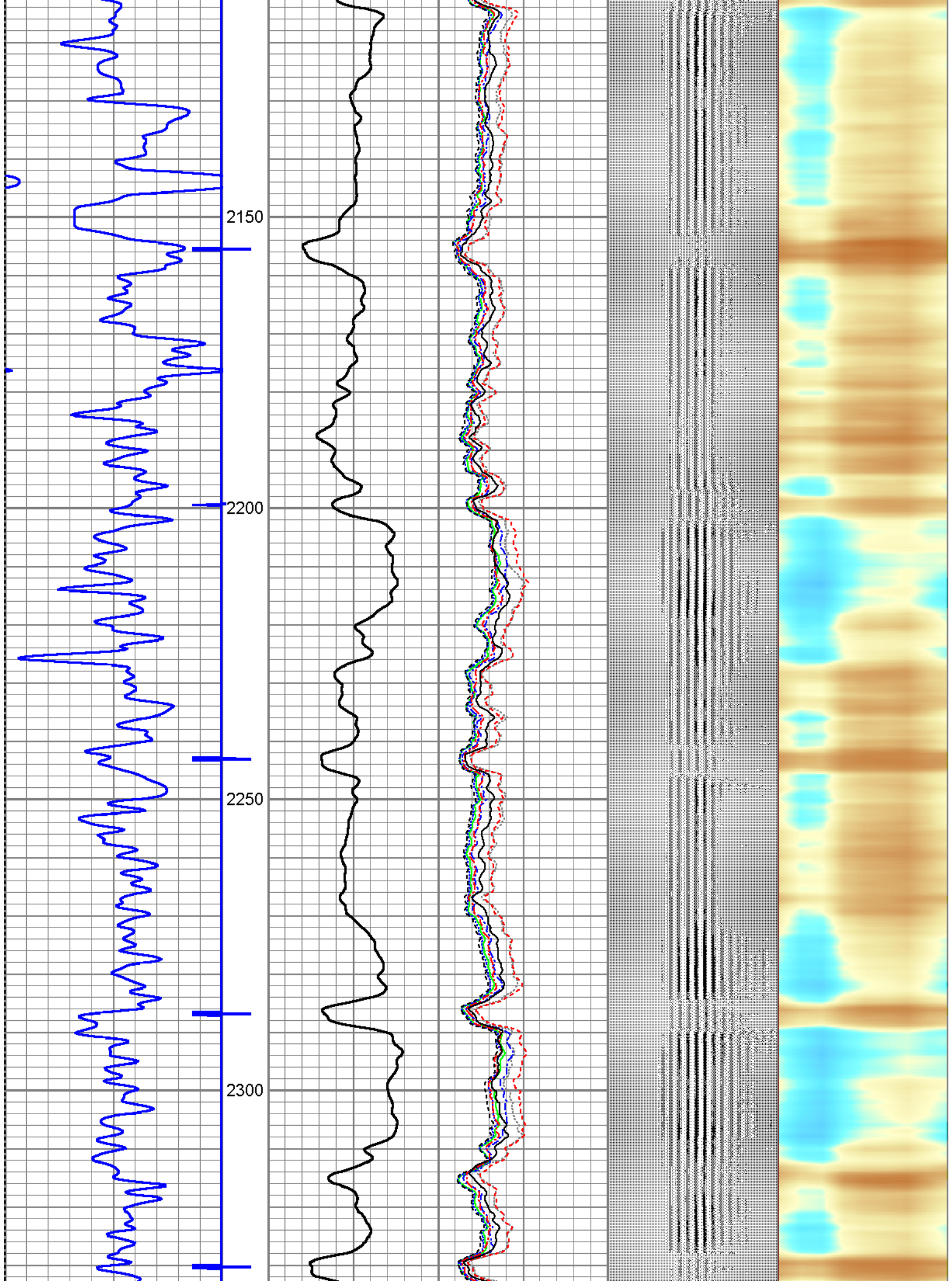




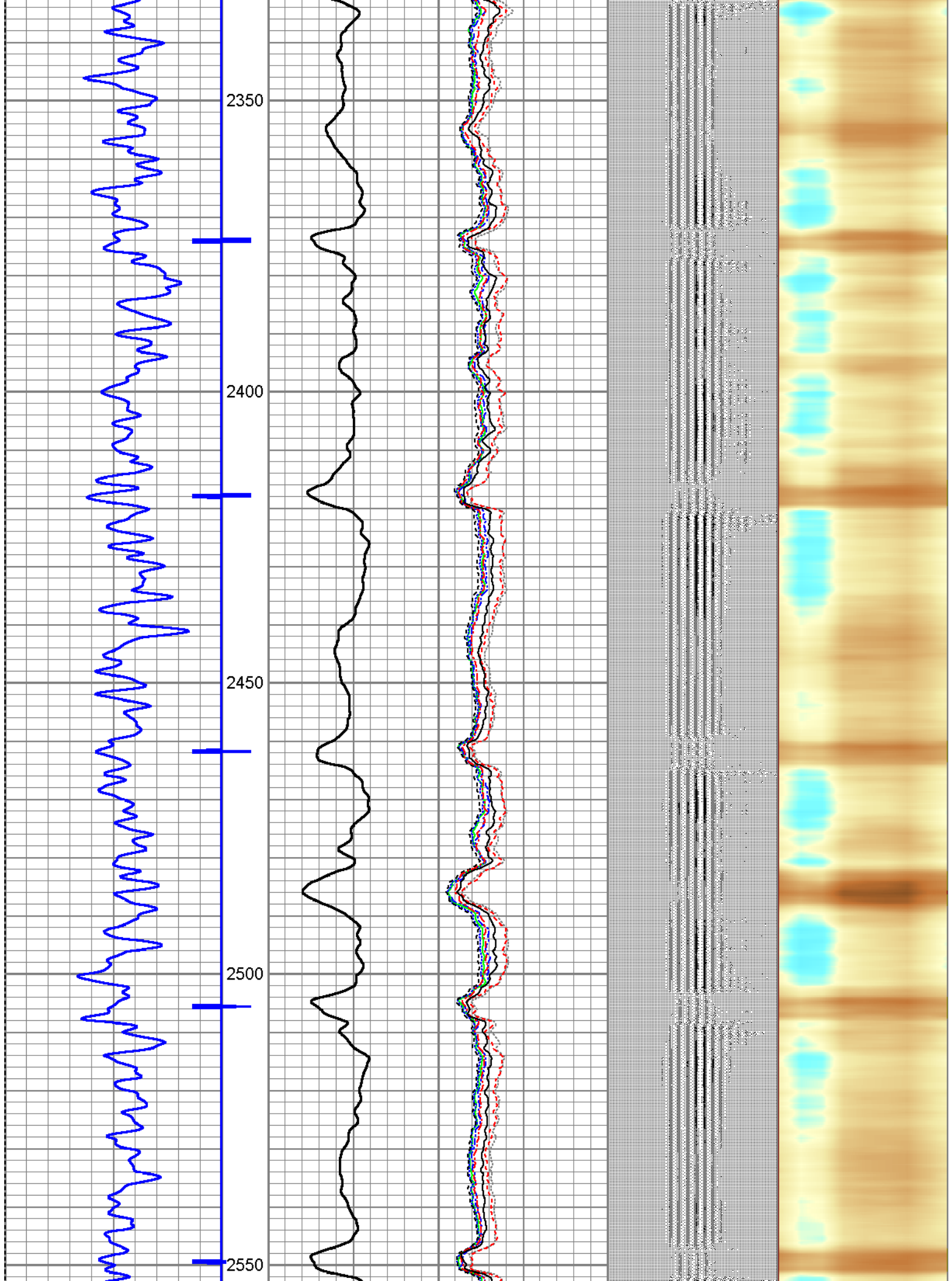




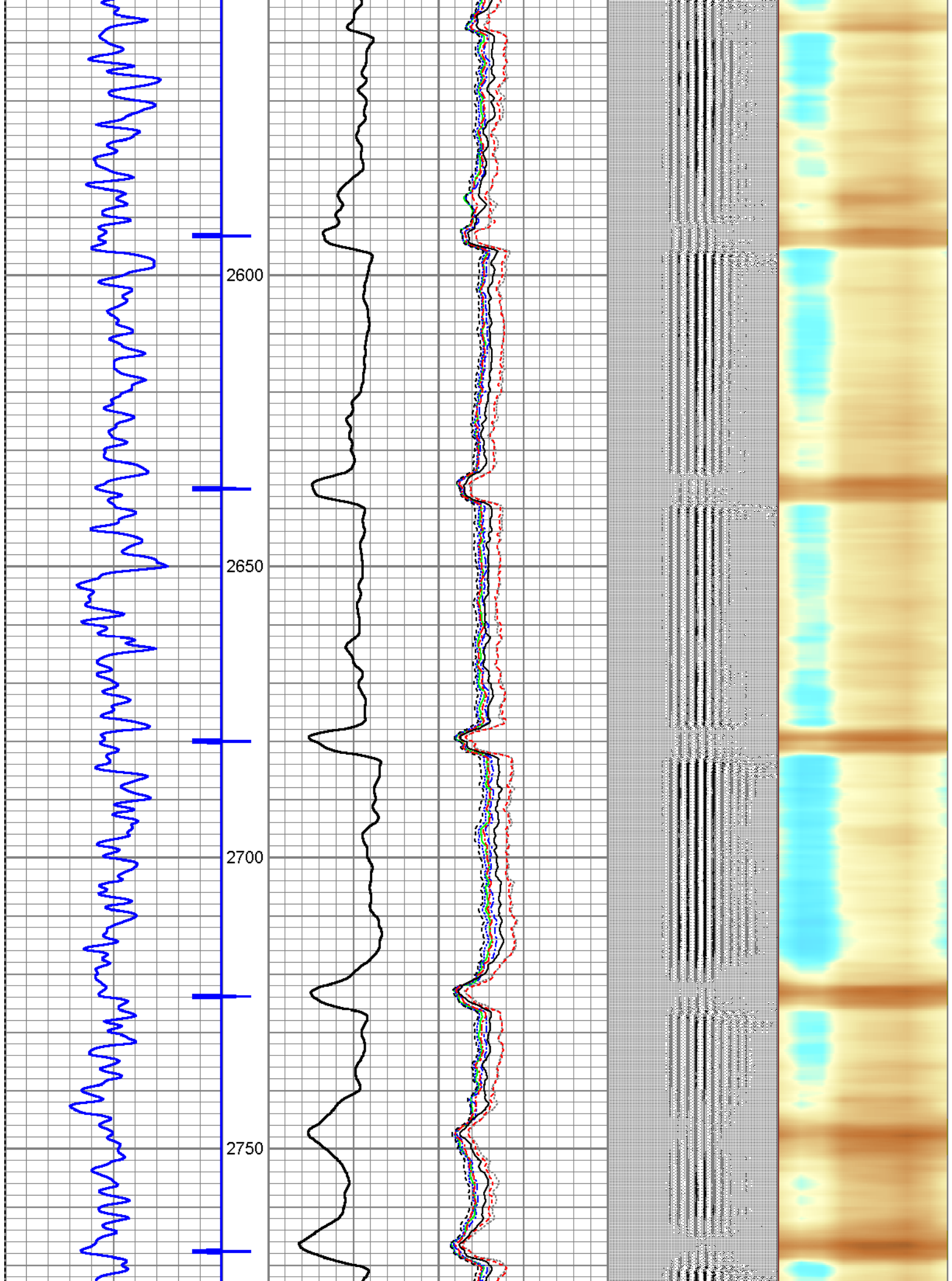


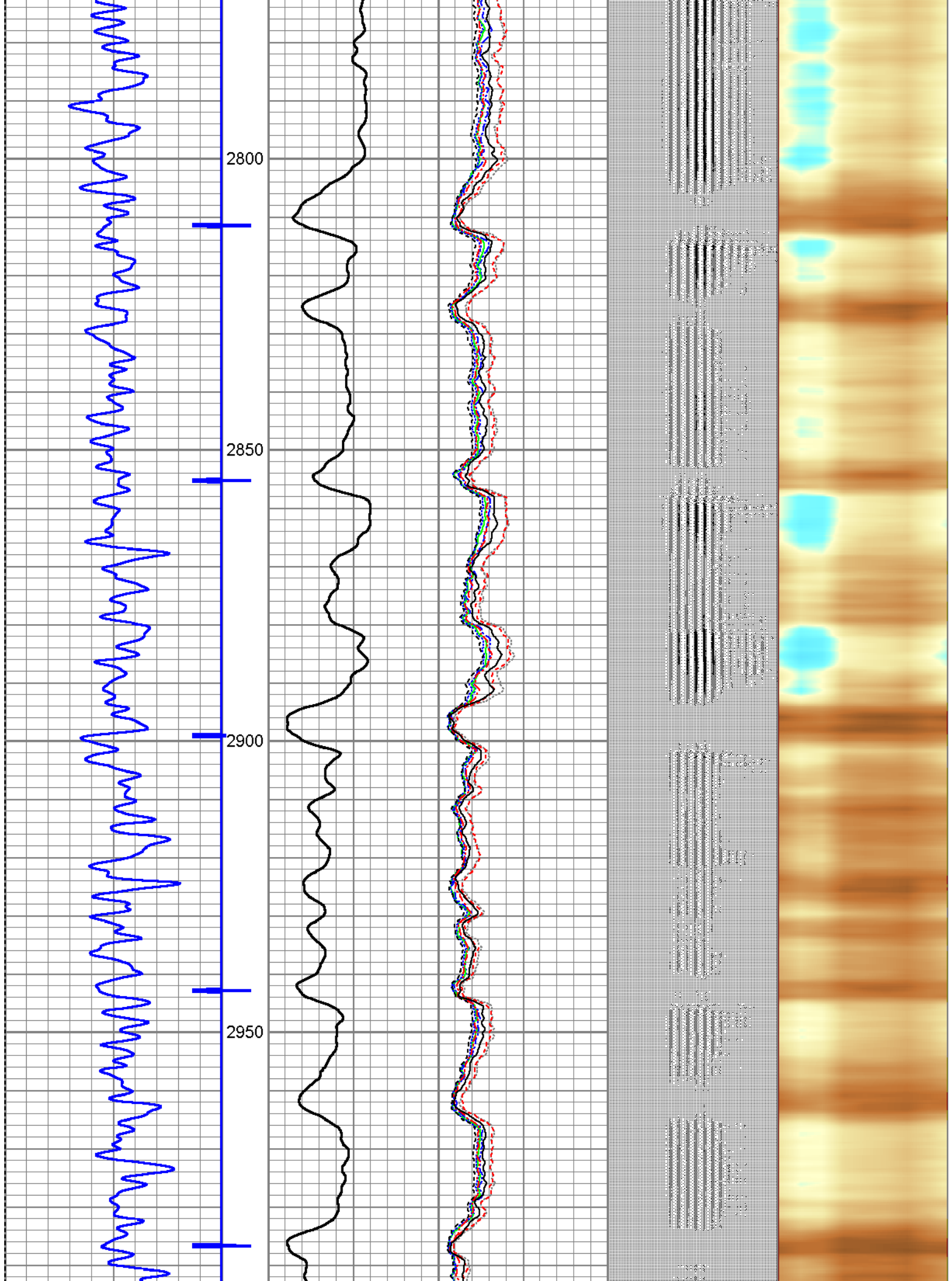




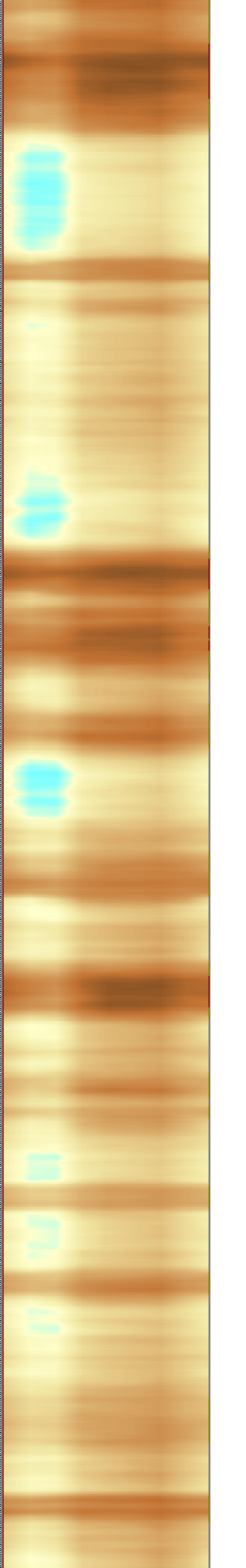
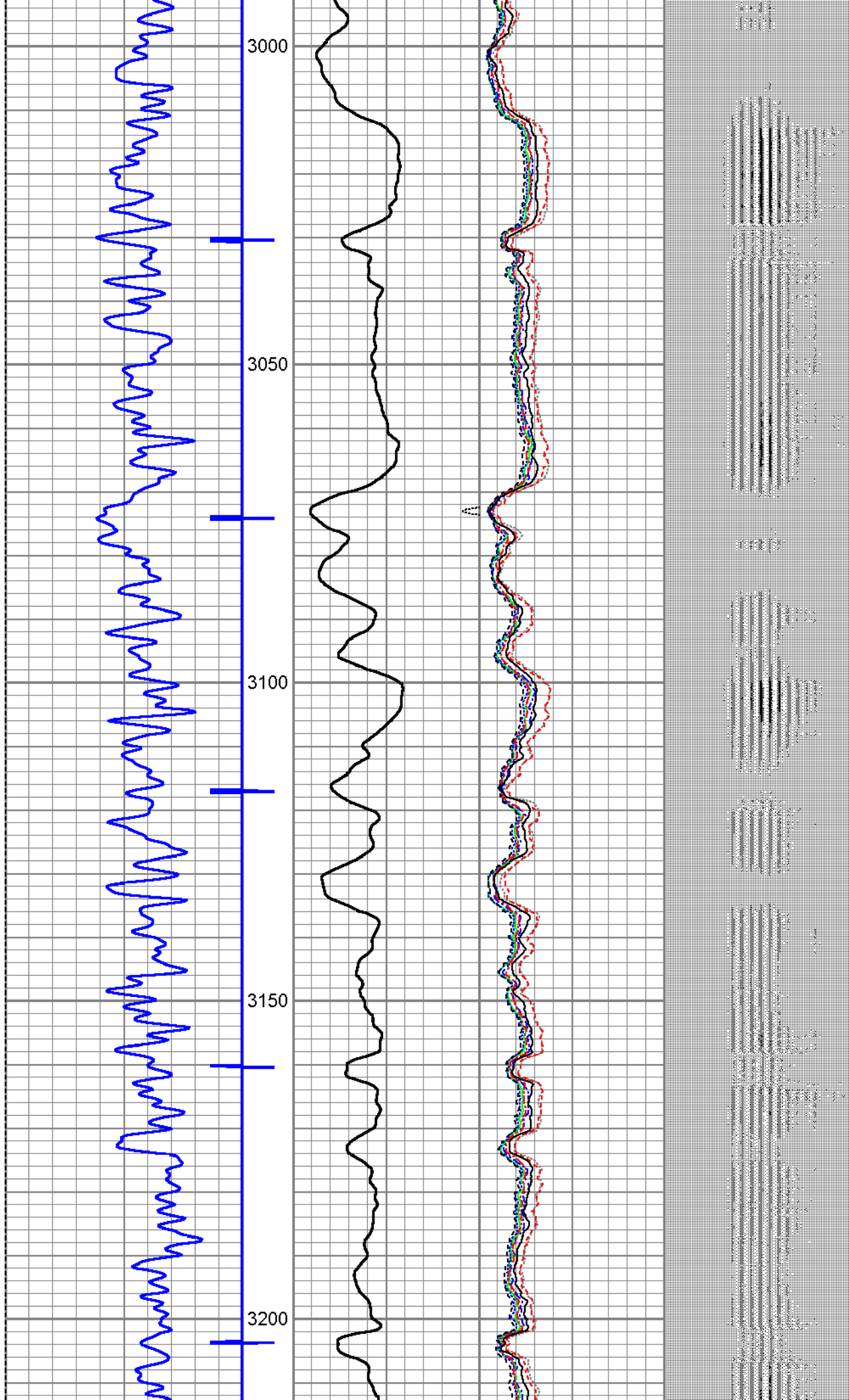


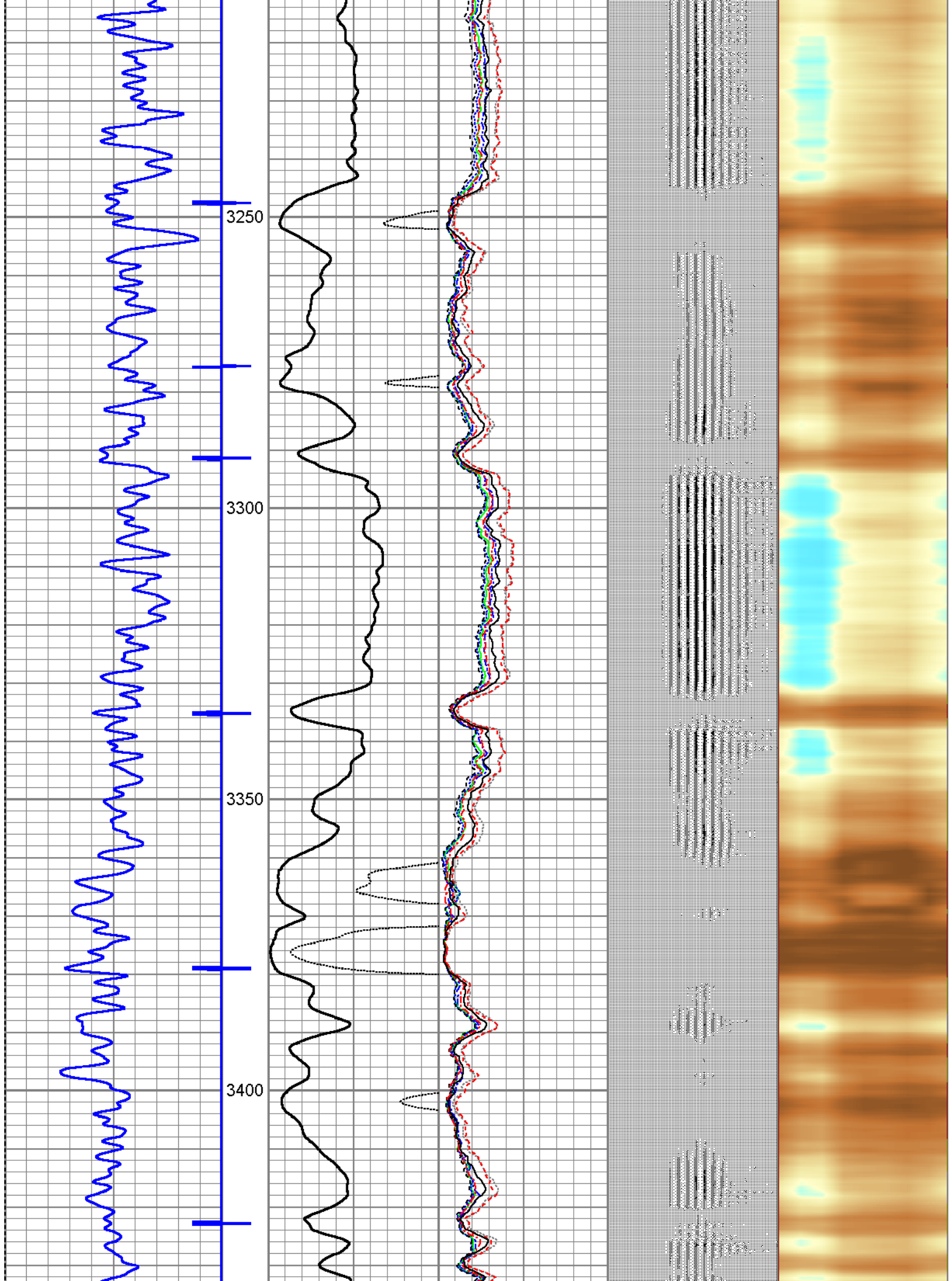




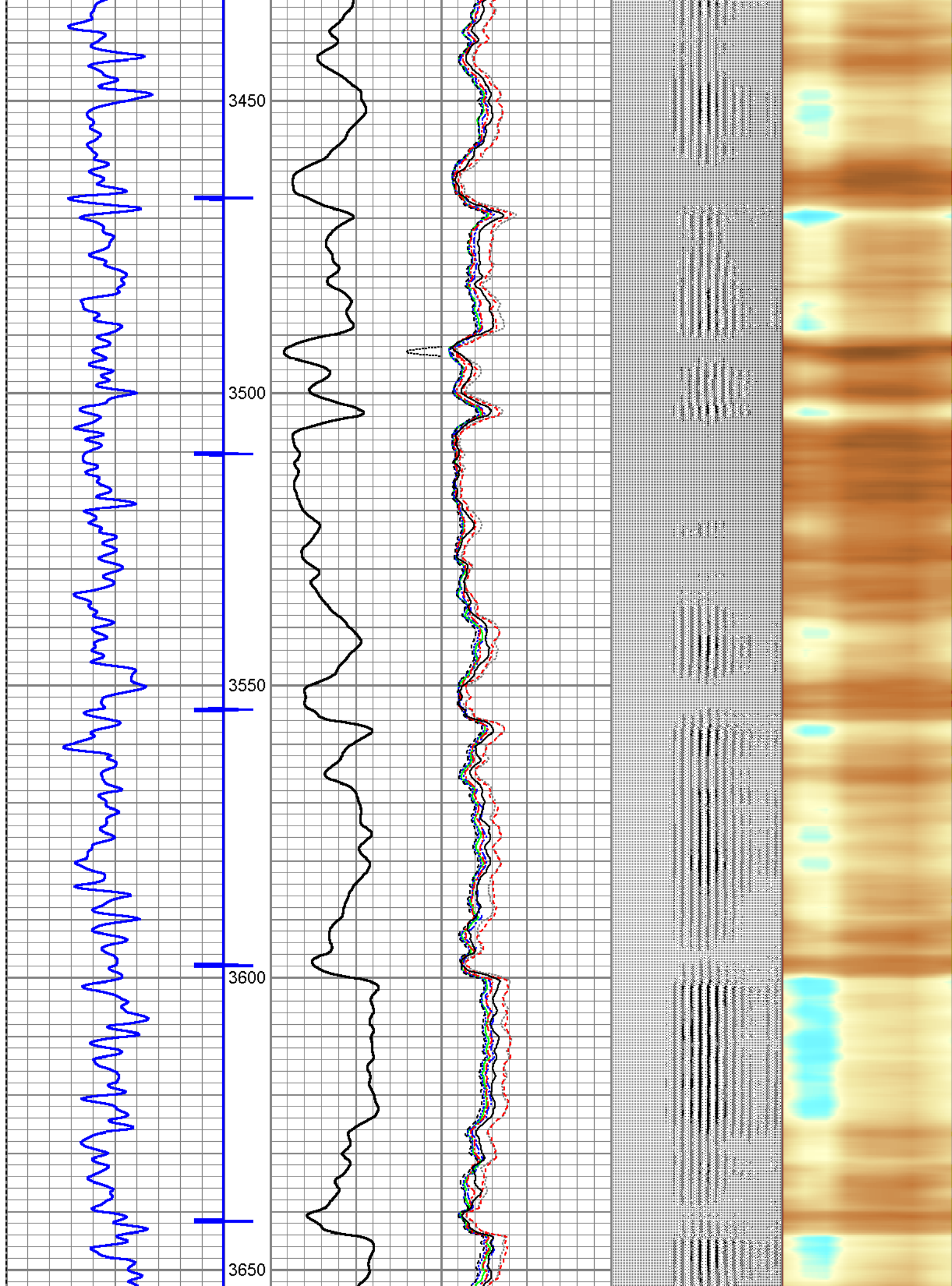


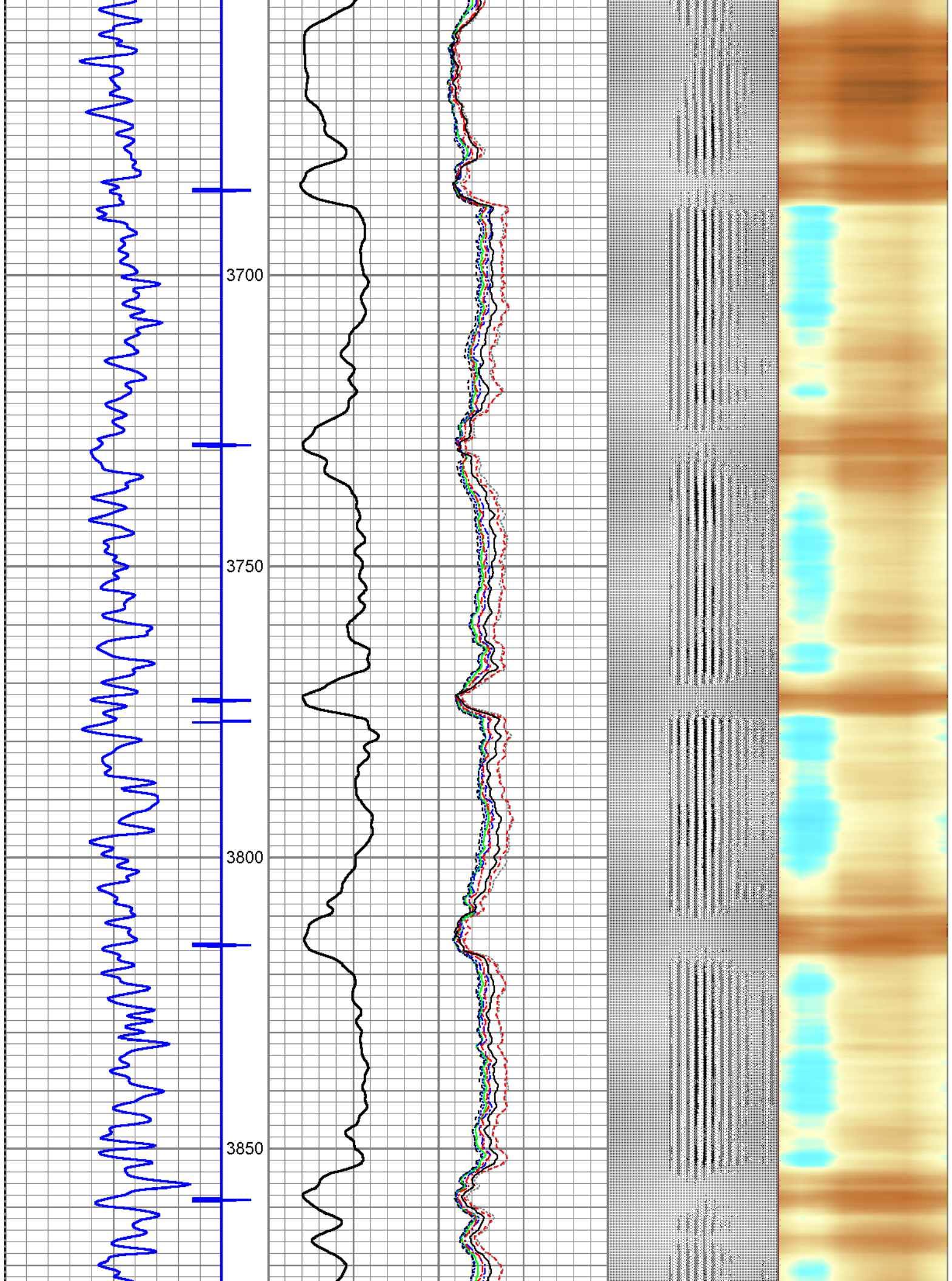




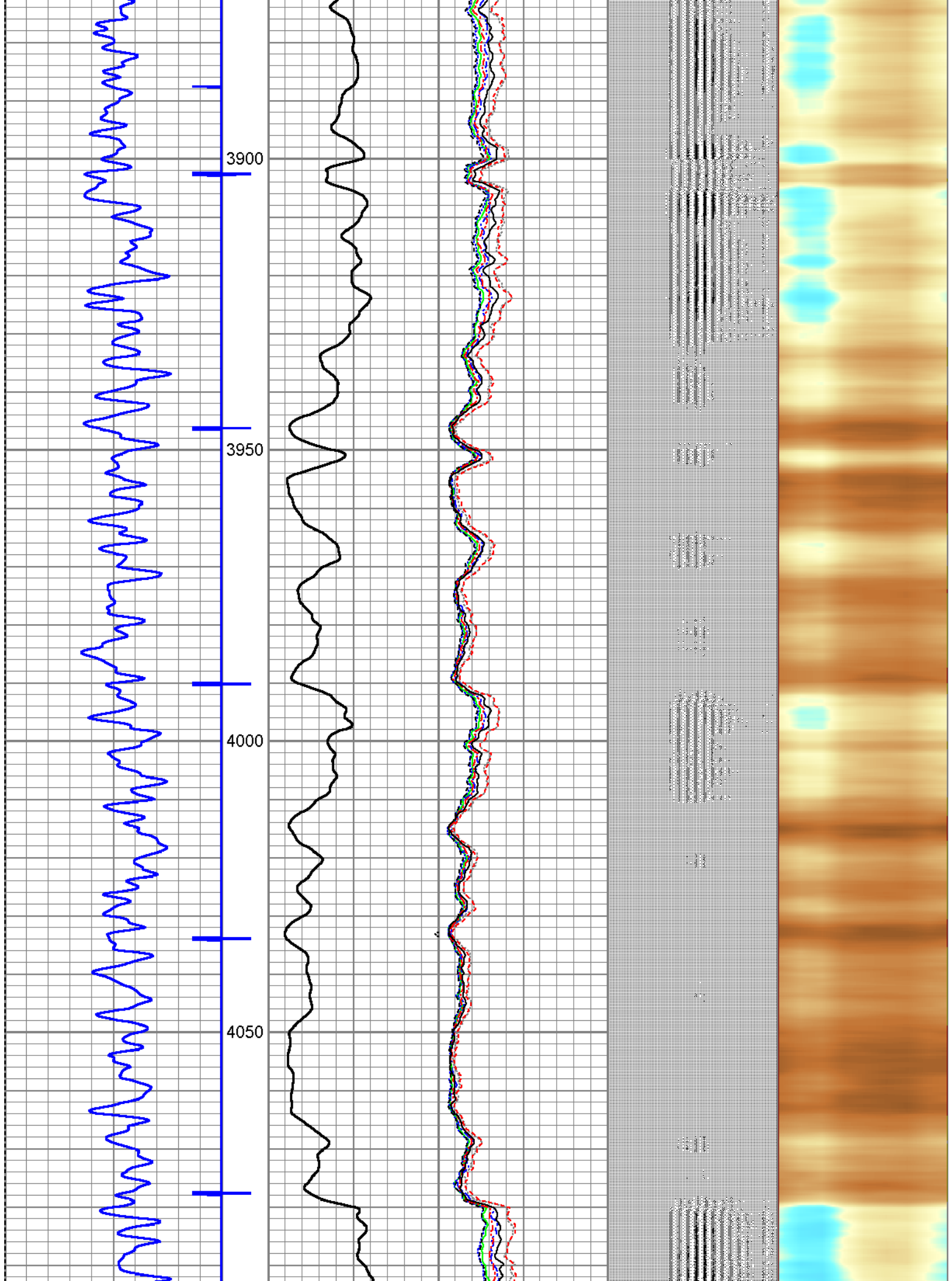


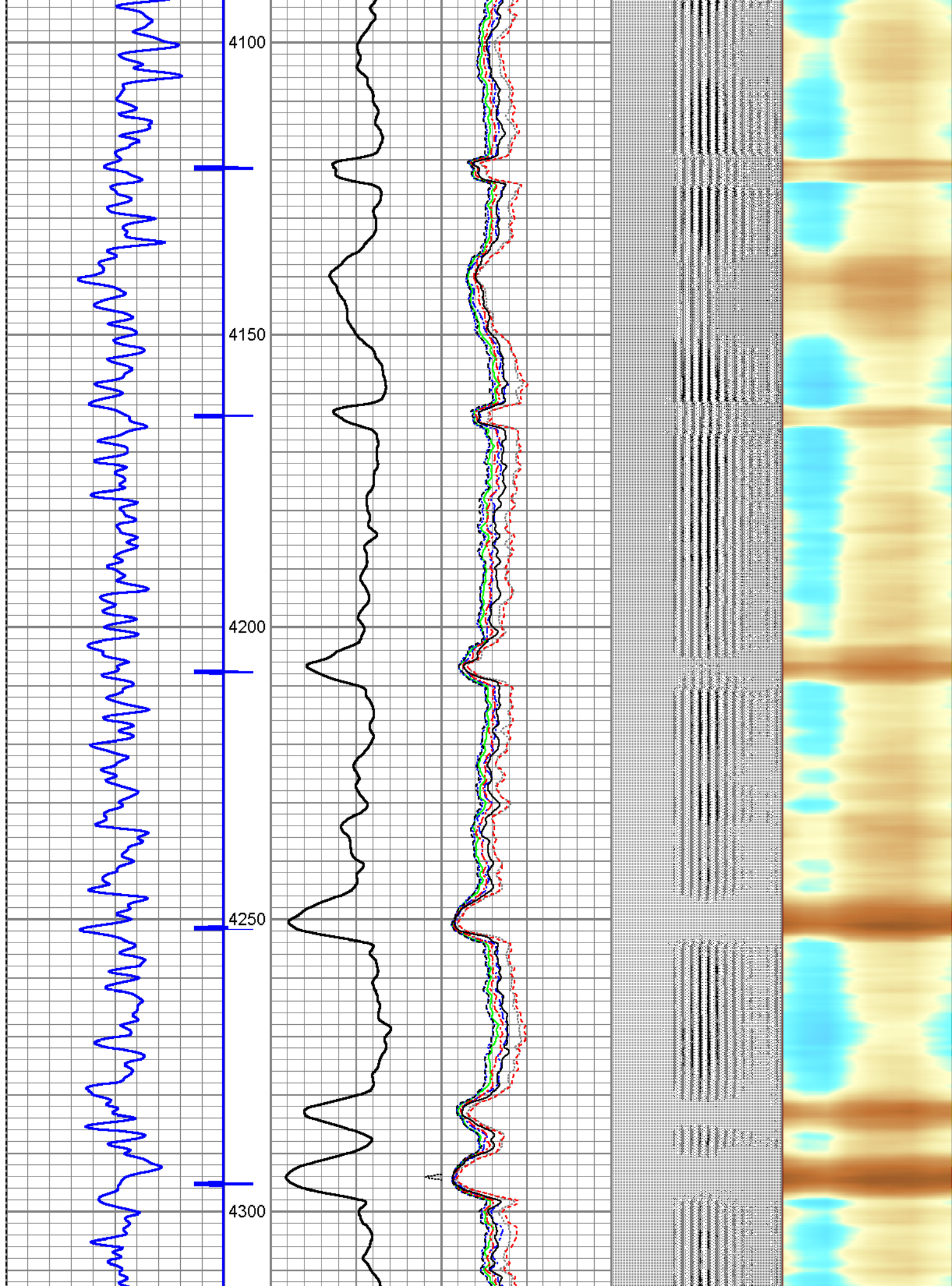




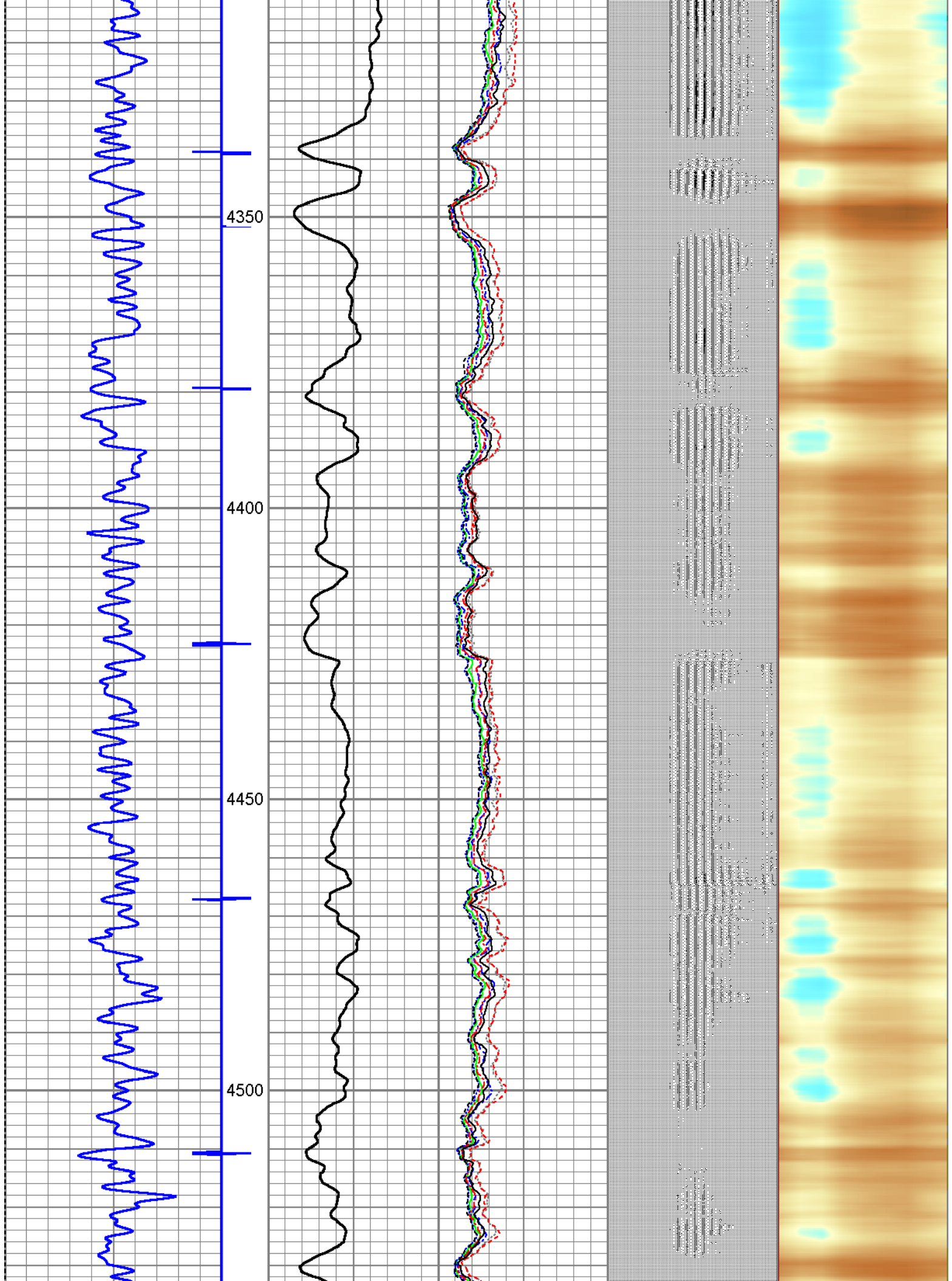


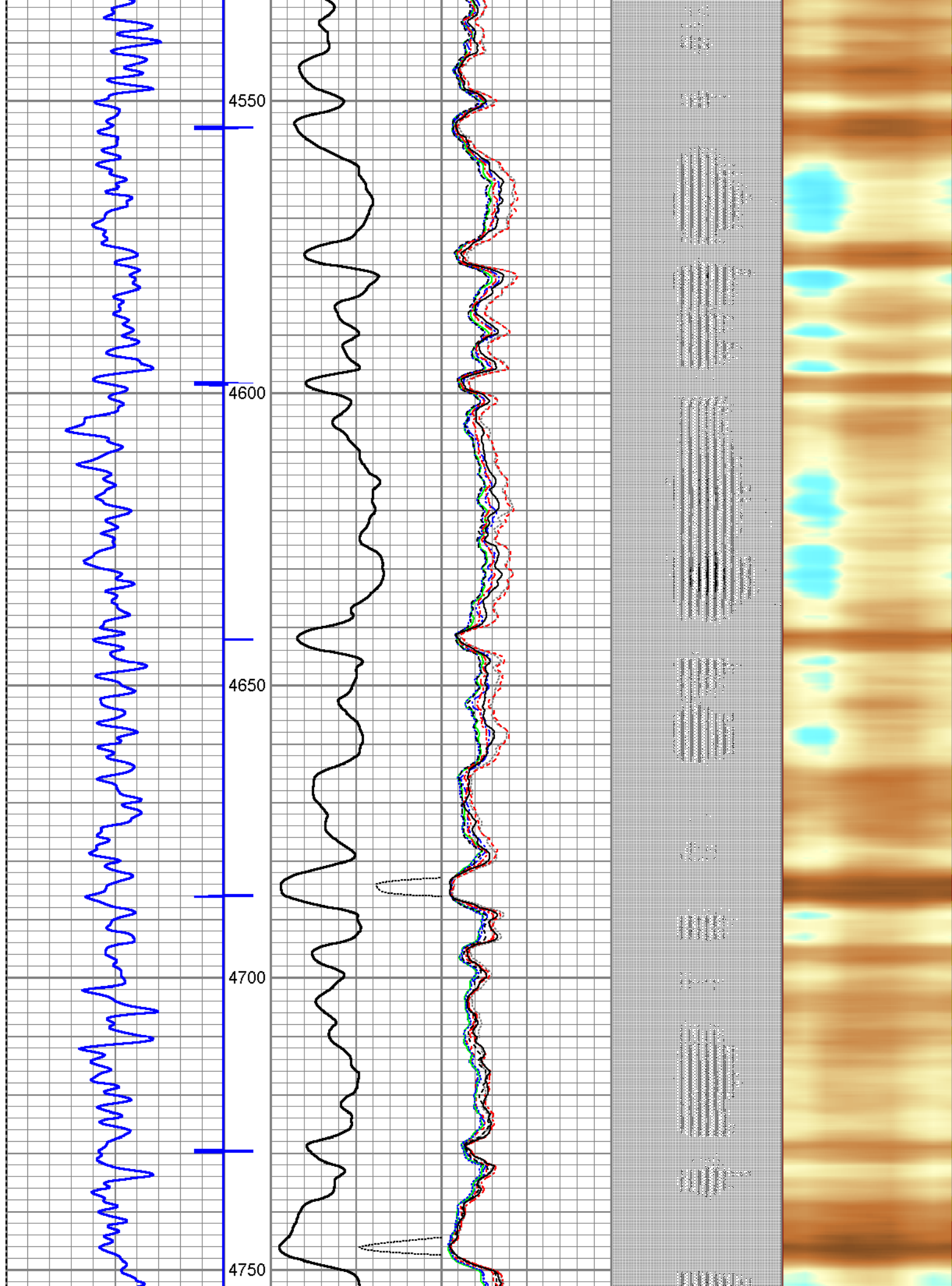




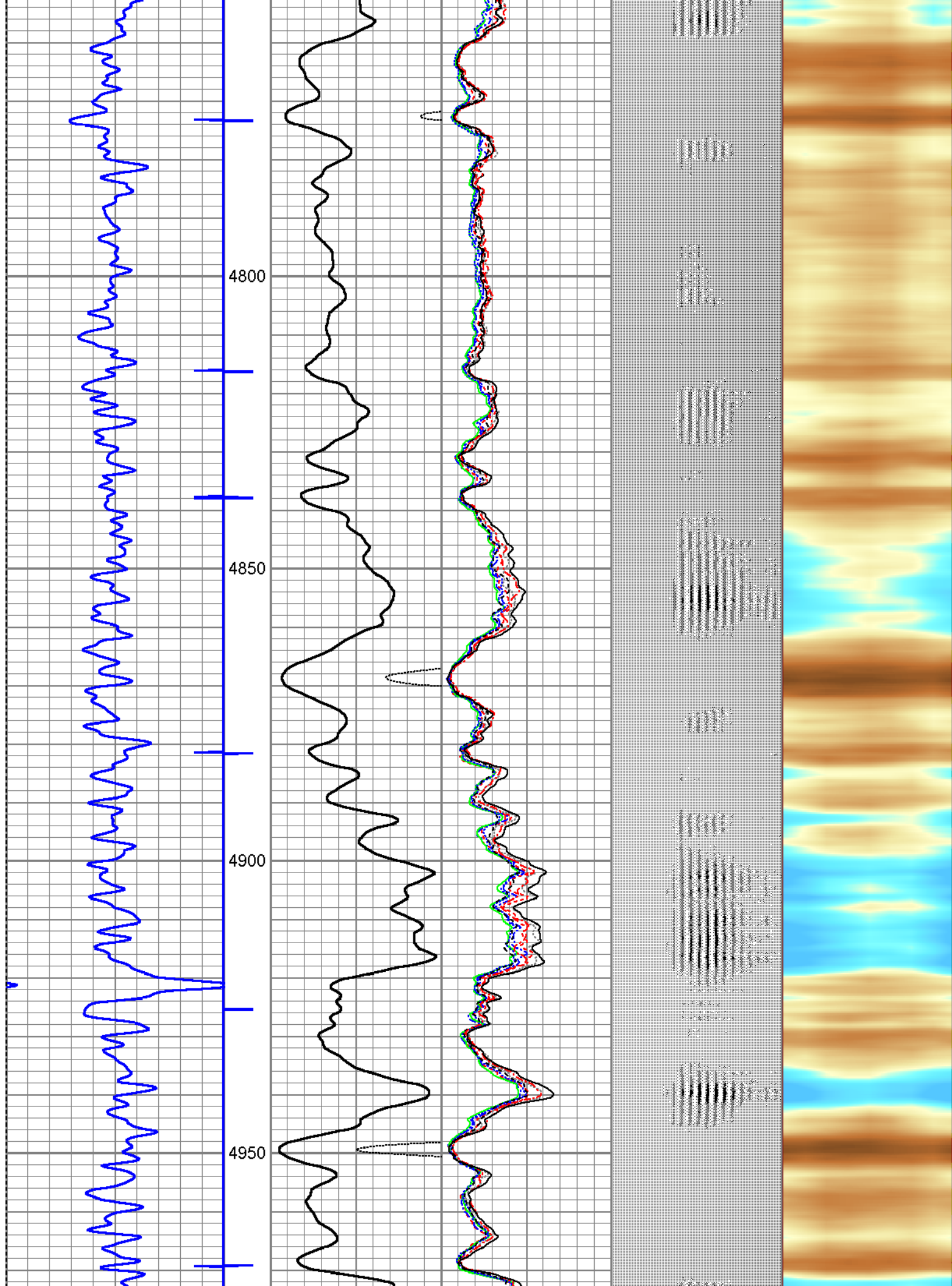


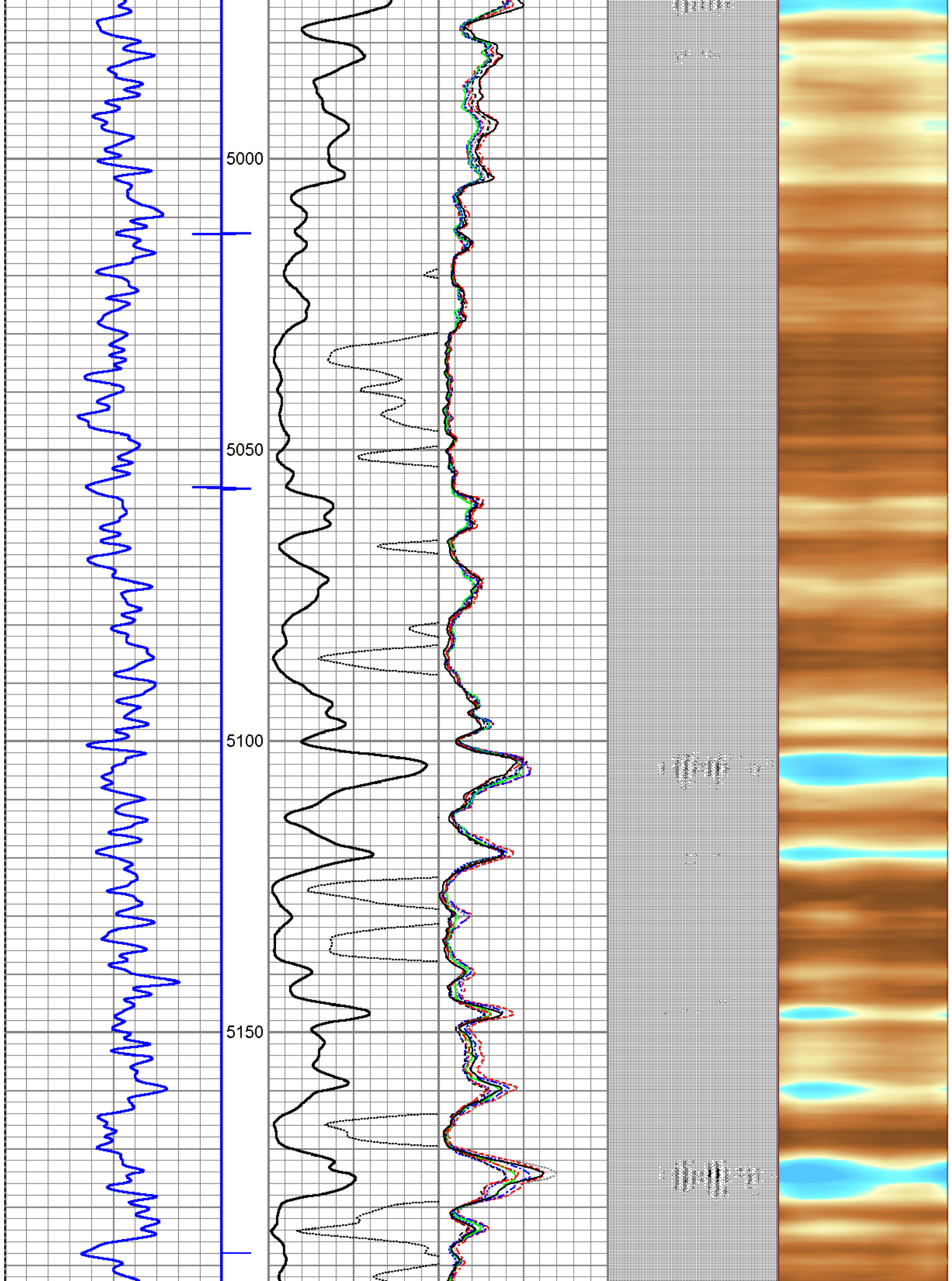




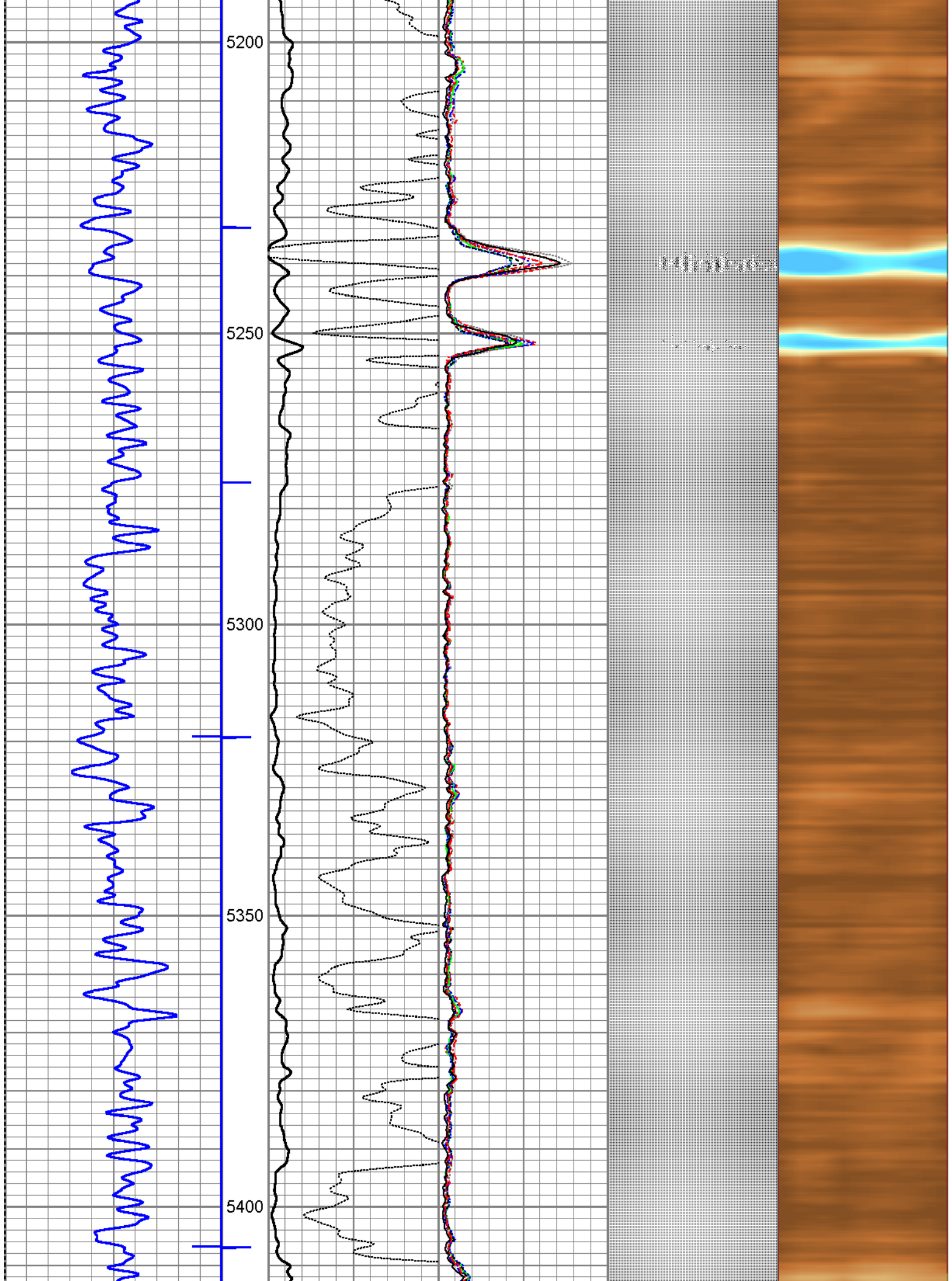


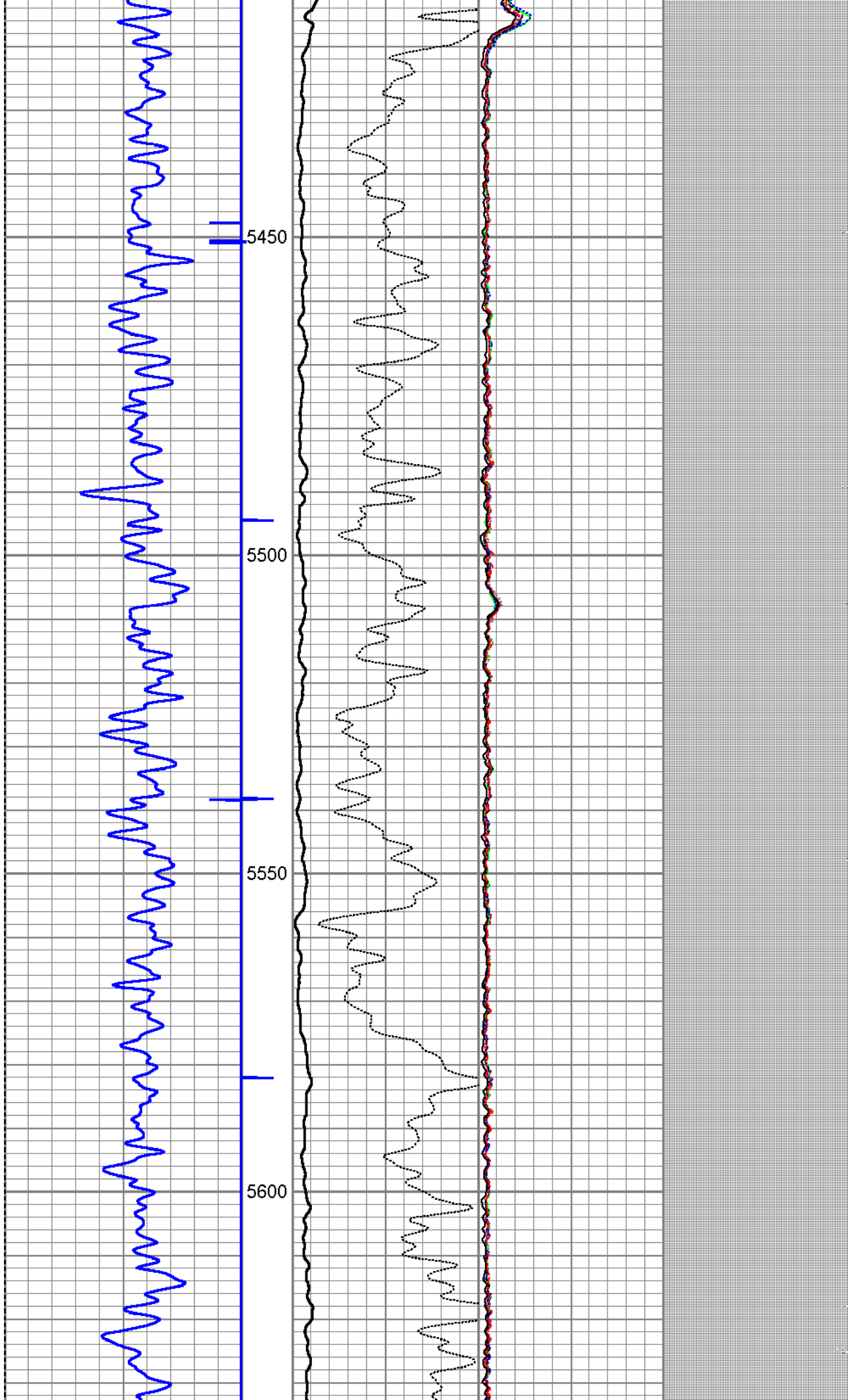




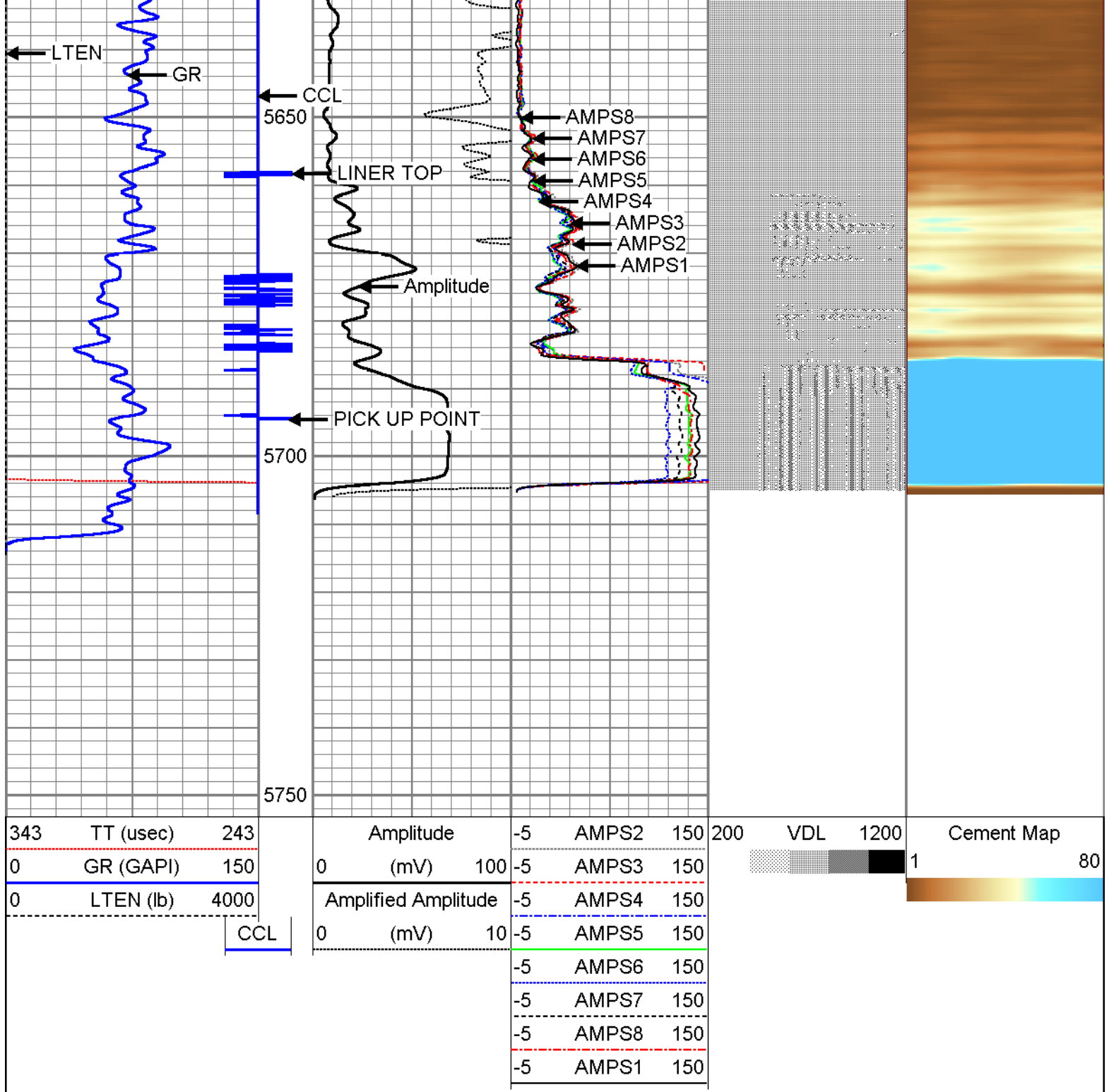












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