				SECTOR BOND LOG			
COMPANY WELL FIELD COUNTY STATE/COUNTRY LOCATION				CAERUS PUCKETT 33B-26 GRAND VALLEY GARFIELD COLORADO NORTH PARACHUTE			
SEC	26	TWP	6S	RGE	97W	Other Services	
Latitude		39.498775					
Longitude		-108.182327					
API Number		05-045-23363					
Permanent Datum		GL		Elevation 8396		Elevations: K.B. 8426 D.F. 8426 G.L. 8396	
Log Measured From		KB					
Drilling Measured From		KB					
Date				13 MAY 17			
Run Number				1			
Service Order				TBD			
Type Log				SBT			
Depth Driller				9157			
Depth Logger				9130			
Top Log Interval				0			
Bottom Log Interval				9130			
Hole Fluid Type				HSO			
Hole Fluid Level				202			
Restriction ID				NA			
Max. Recorded Temp.				NA			
Well Head Pressure				NA			
Well Head Equipment				NA			
Time Well Ready				ON ARRIVAL			
Time Logger on Bottom				SEE LOG			
Unit Number				14166			
Acquisition System				WARRIOR			
Location				CASPER			
Recorded By				N.SOUTHAM			
Witnessed By							

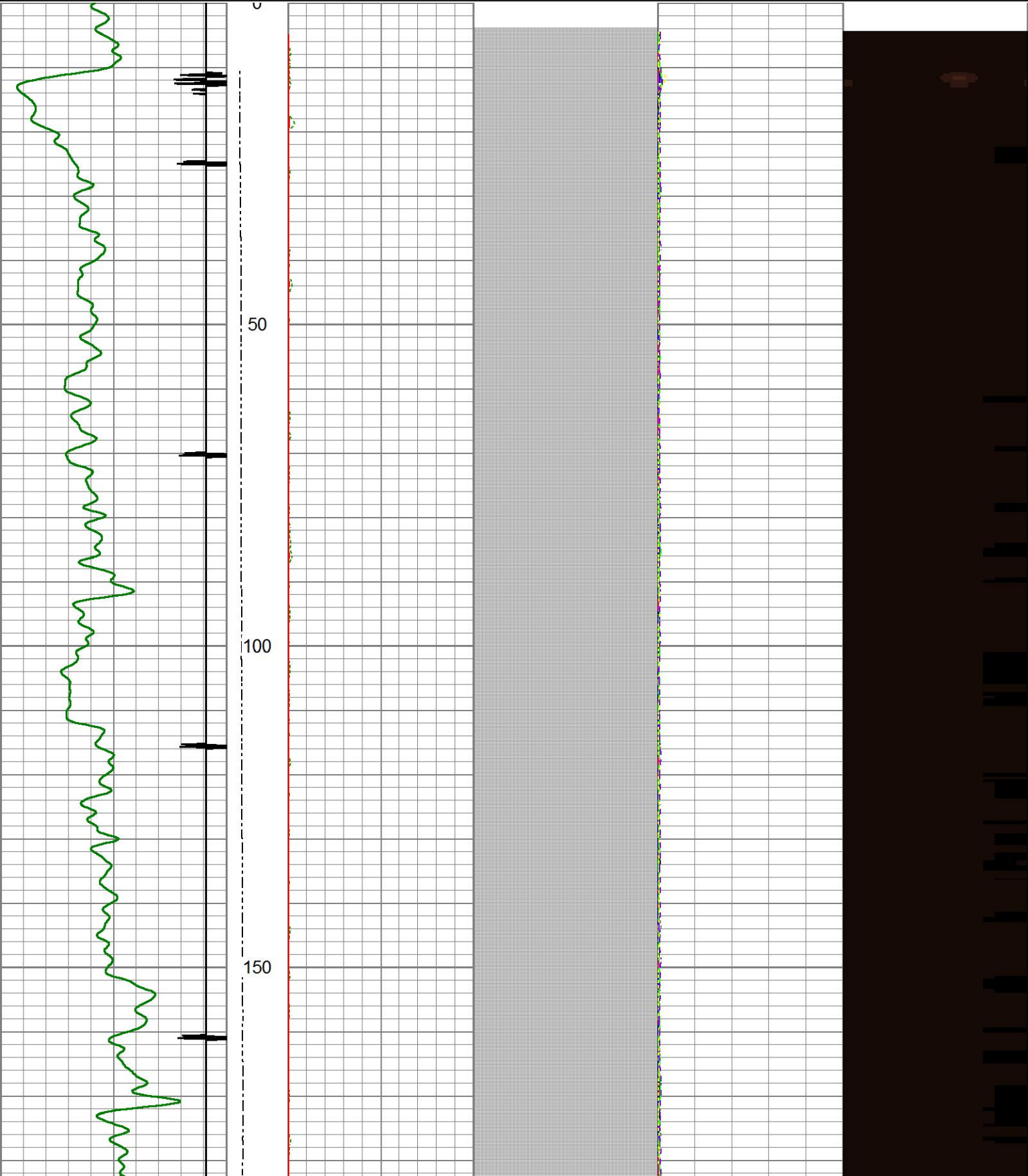
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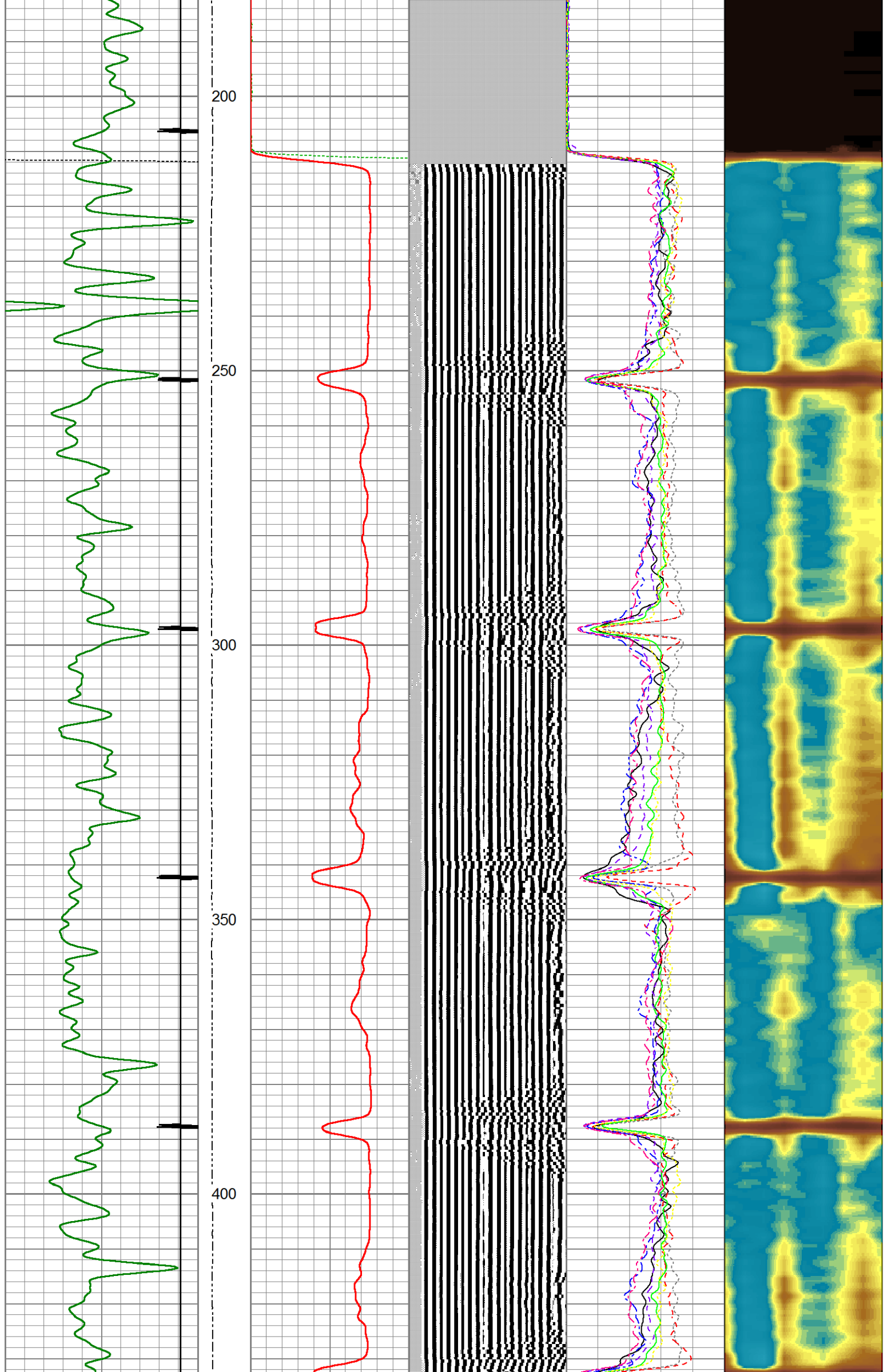
In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SER

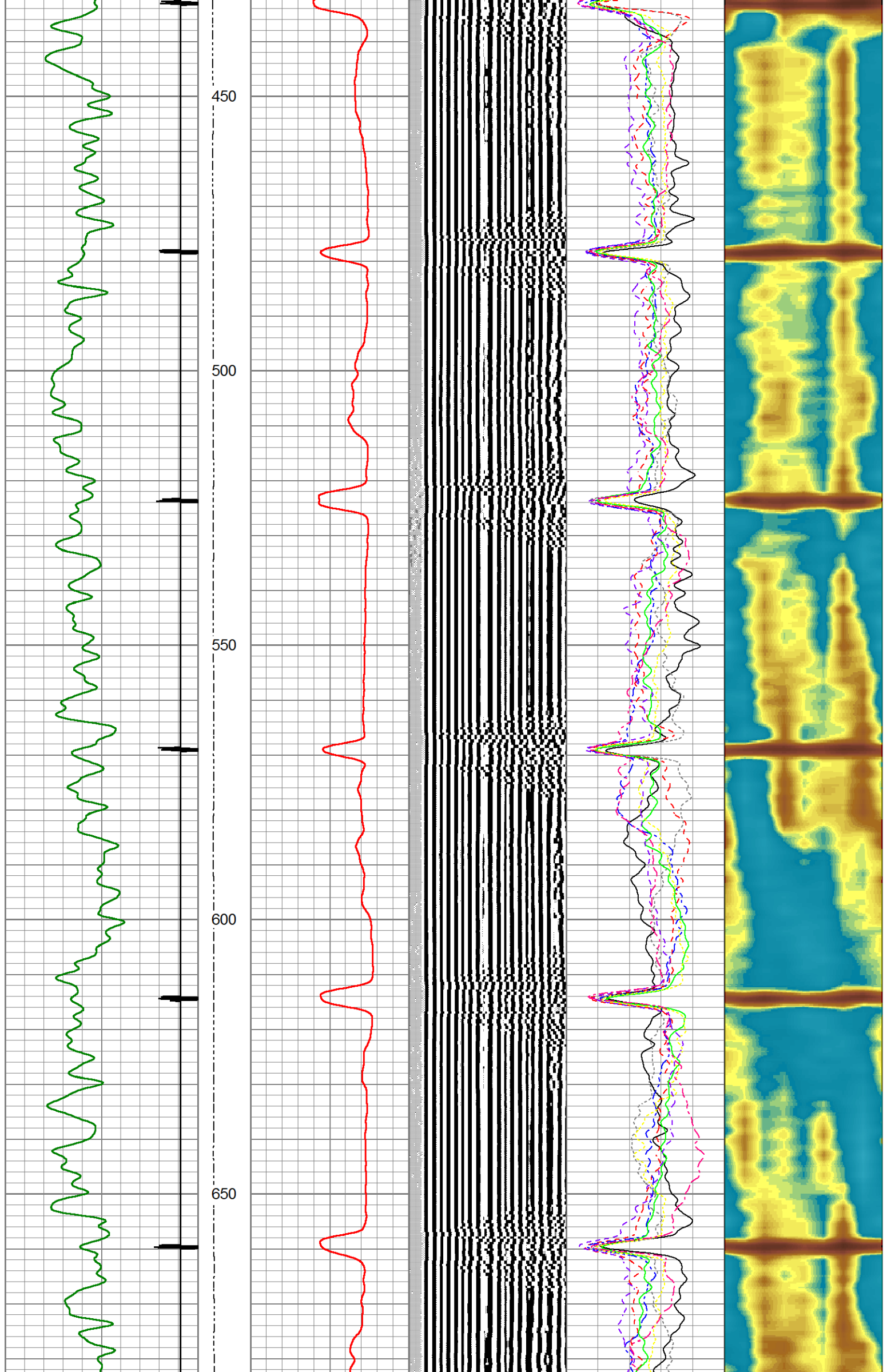
Comments	
Rig Name:	
THANK YOU FOR CHOOSING WEATHERFORD WIRELINE FOR THIS JOB YOUR CREW ON THIS LOG WAS N. SOUTHAM B. ENSLEY THIS LOG WAS RAN AT COSTUMER REQUEST TO VERIFY CEMENT THIS LOG IS THE MAIN LOG FOR PERFORATING	

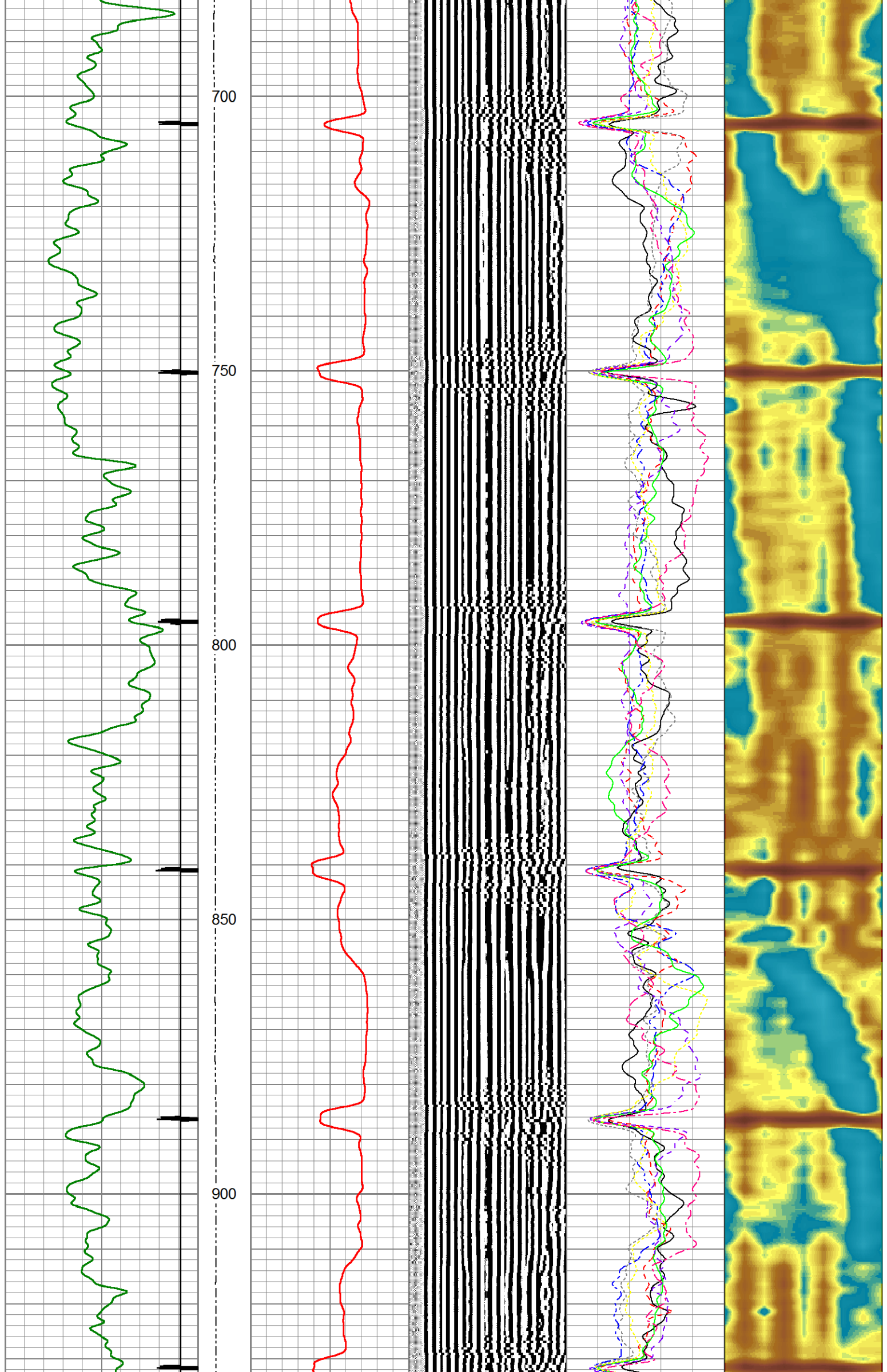
Database File	g:\caerus puckett pad day 1\puckett 33b-26 sbt\puckett 33b-26 sbt.db		
Dataset Pathname	pass16		
Presentation Format	sectors2		
Dataset Creation	Sat May 13 05:55:56 2017		
Charted by	Depth in Feet scaled 1:240		

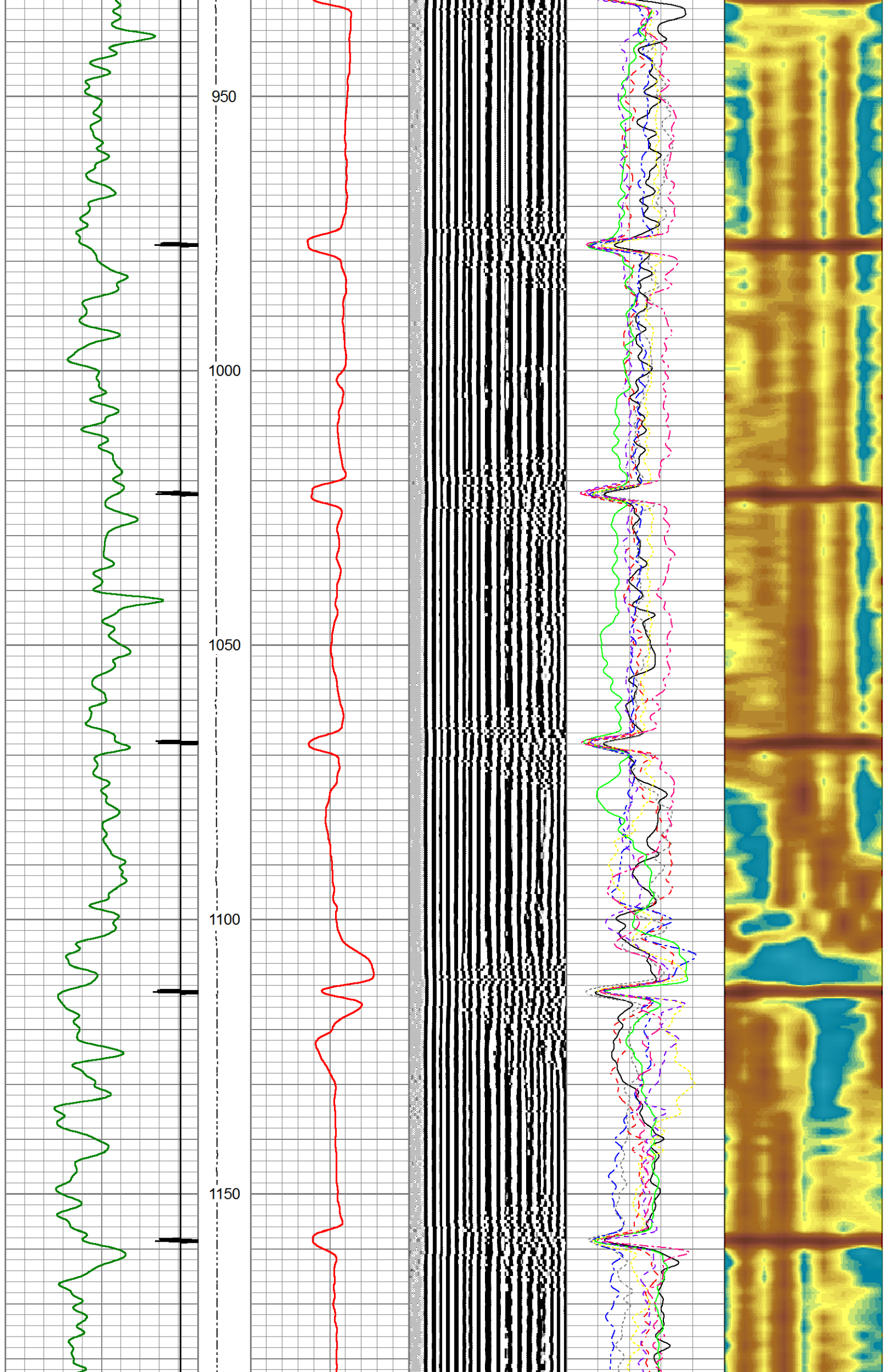
315	TT (usec)	215	LTEN	Amplified Amplitude	200	VDL (V)	1200	0	AMPS1	100	1	Sector Map	8
20	Collars	-2	(lb)	0	(mV)	20	PPT (usec)	1200	0	AMPS2	100	0	100
0	Gamma Ray	200	0 1500	0	Amplitude (mV)	100			0	AMPS3	100		
									0	AMPS4	100		
									0	AMPS5	100		
									0	AMPS6	100		
									0	AMPS7	100		
									0	AMPS8	100		

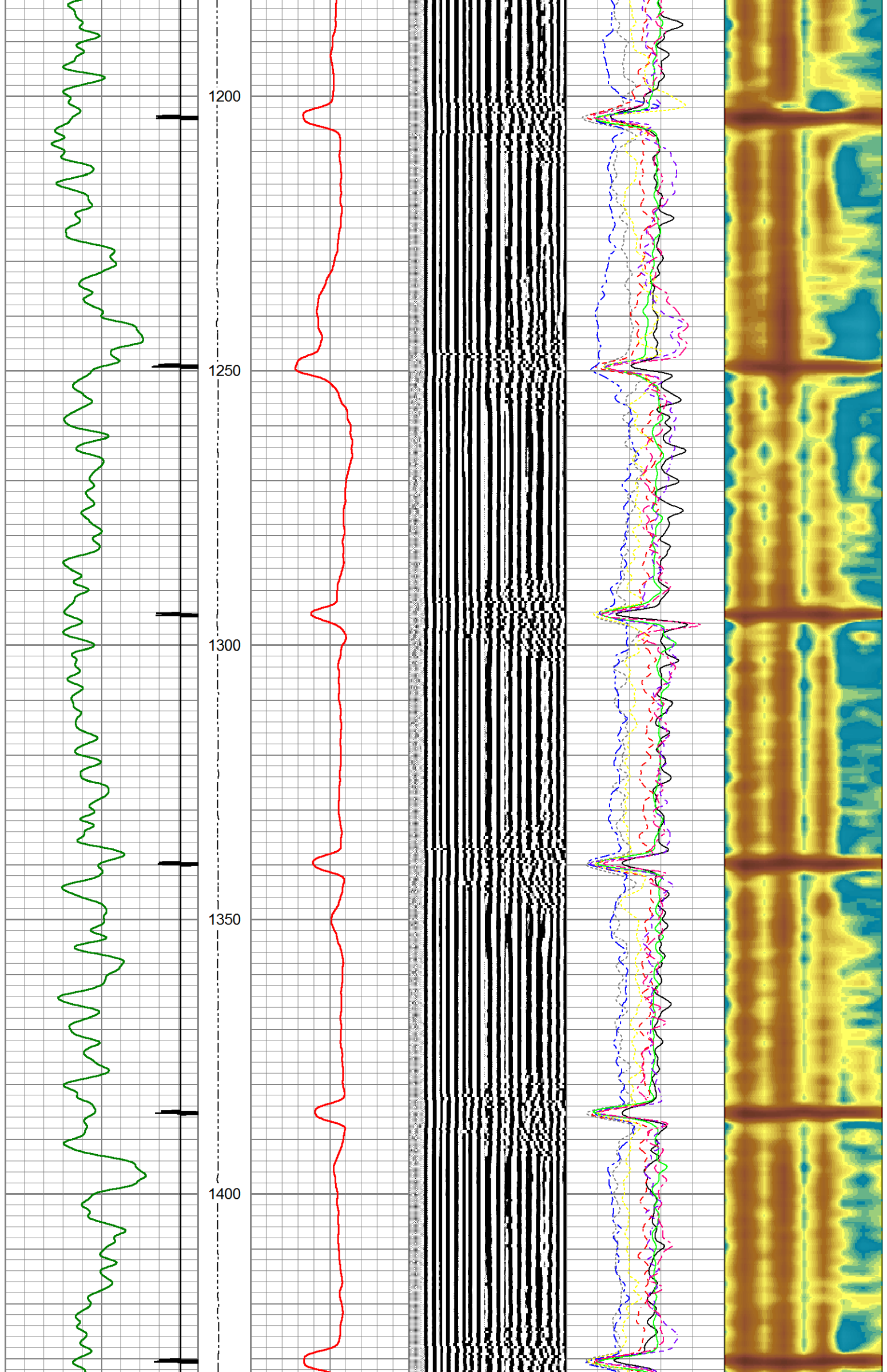


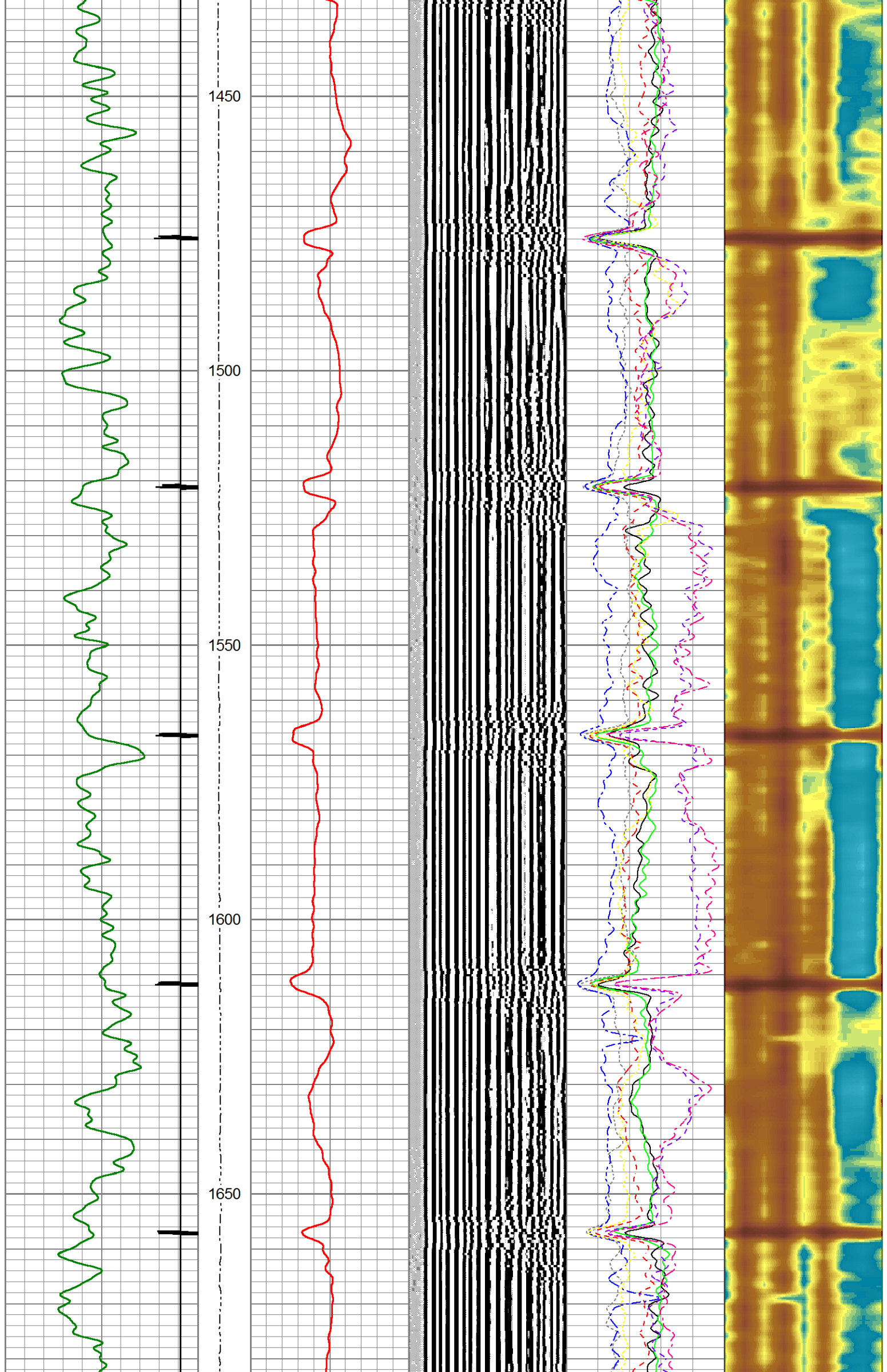


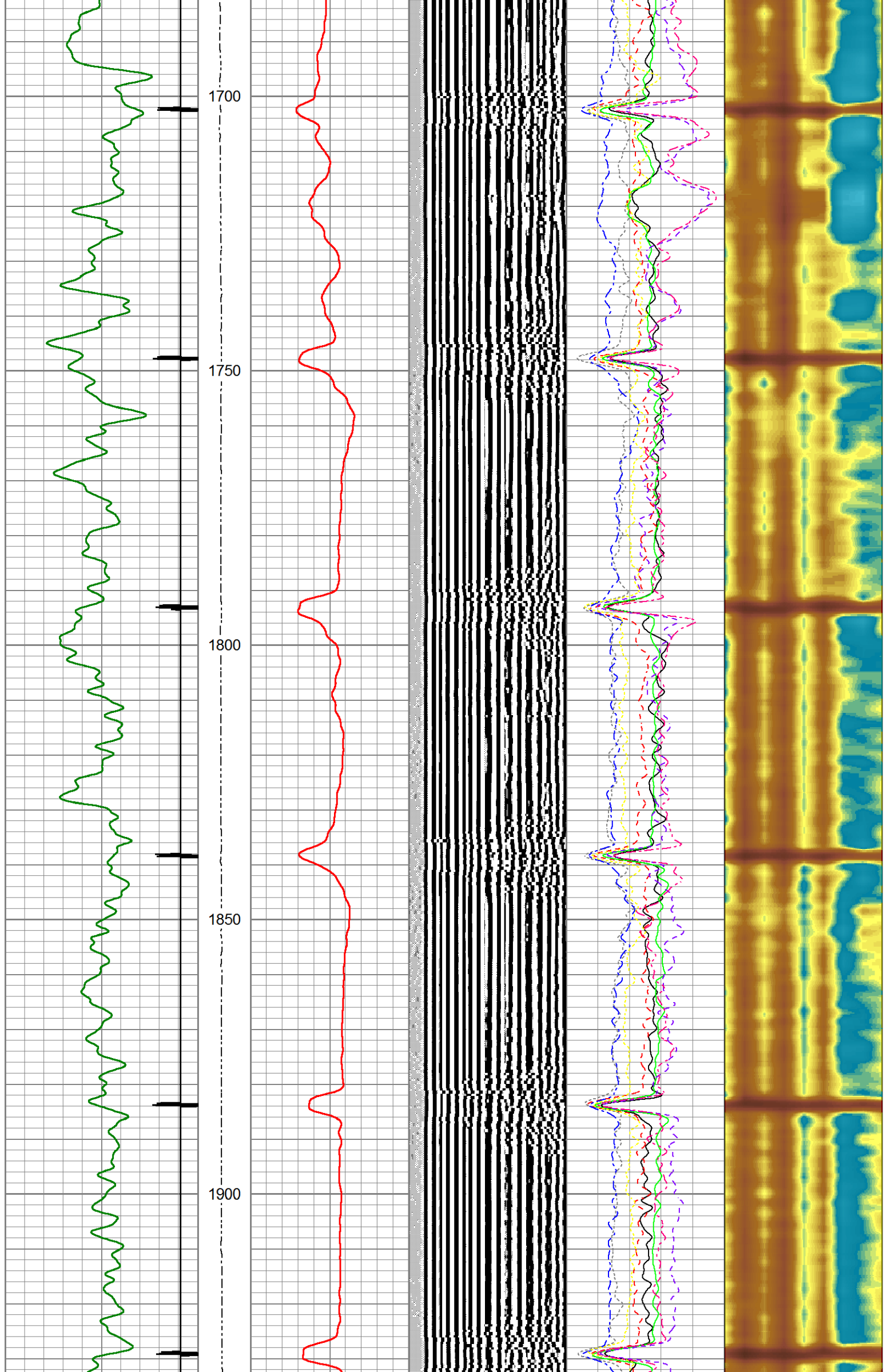


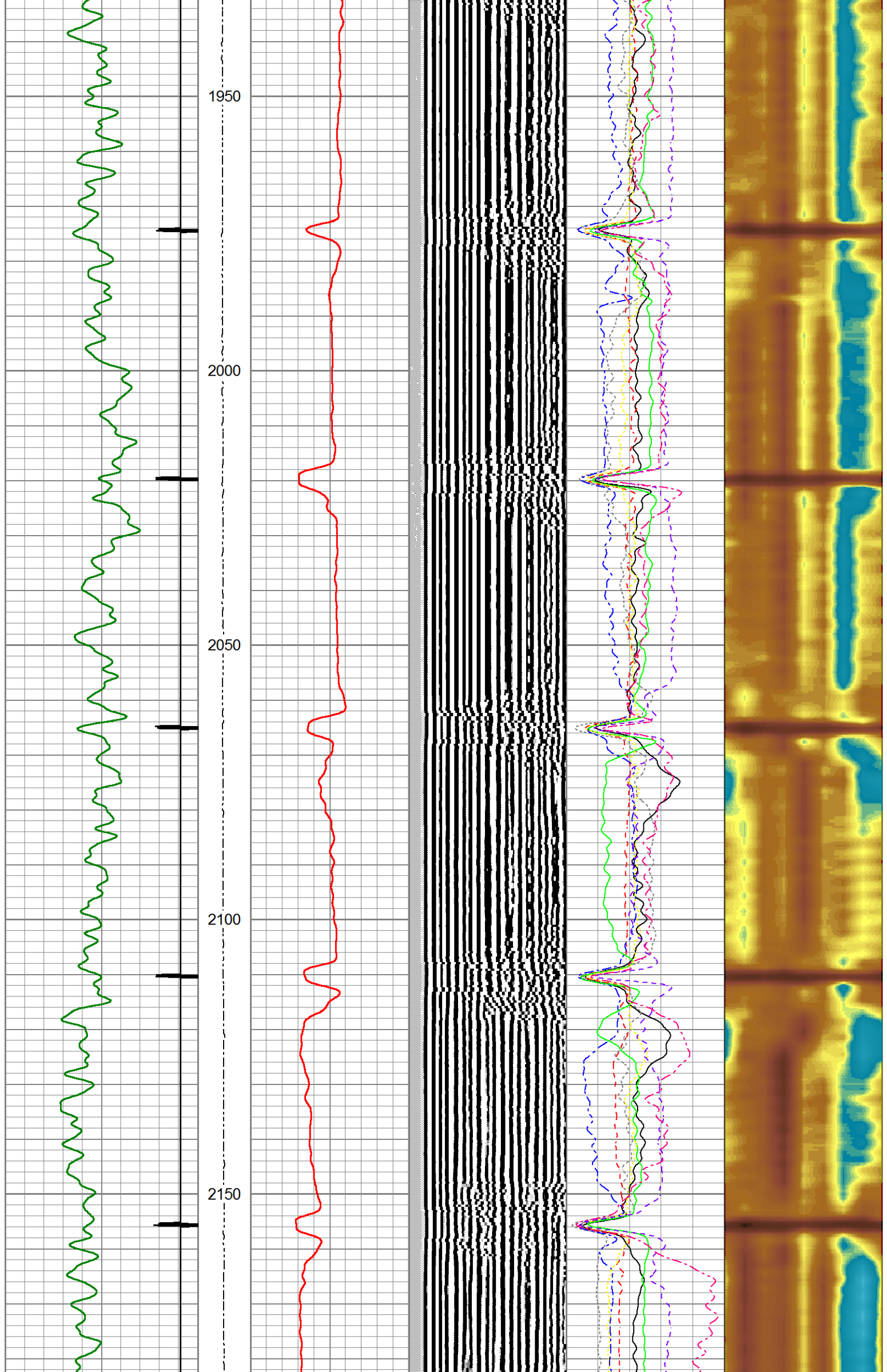


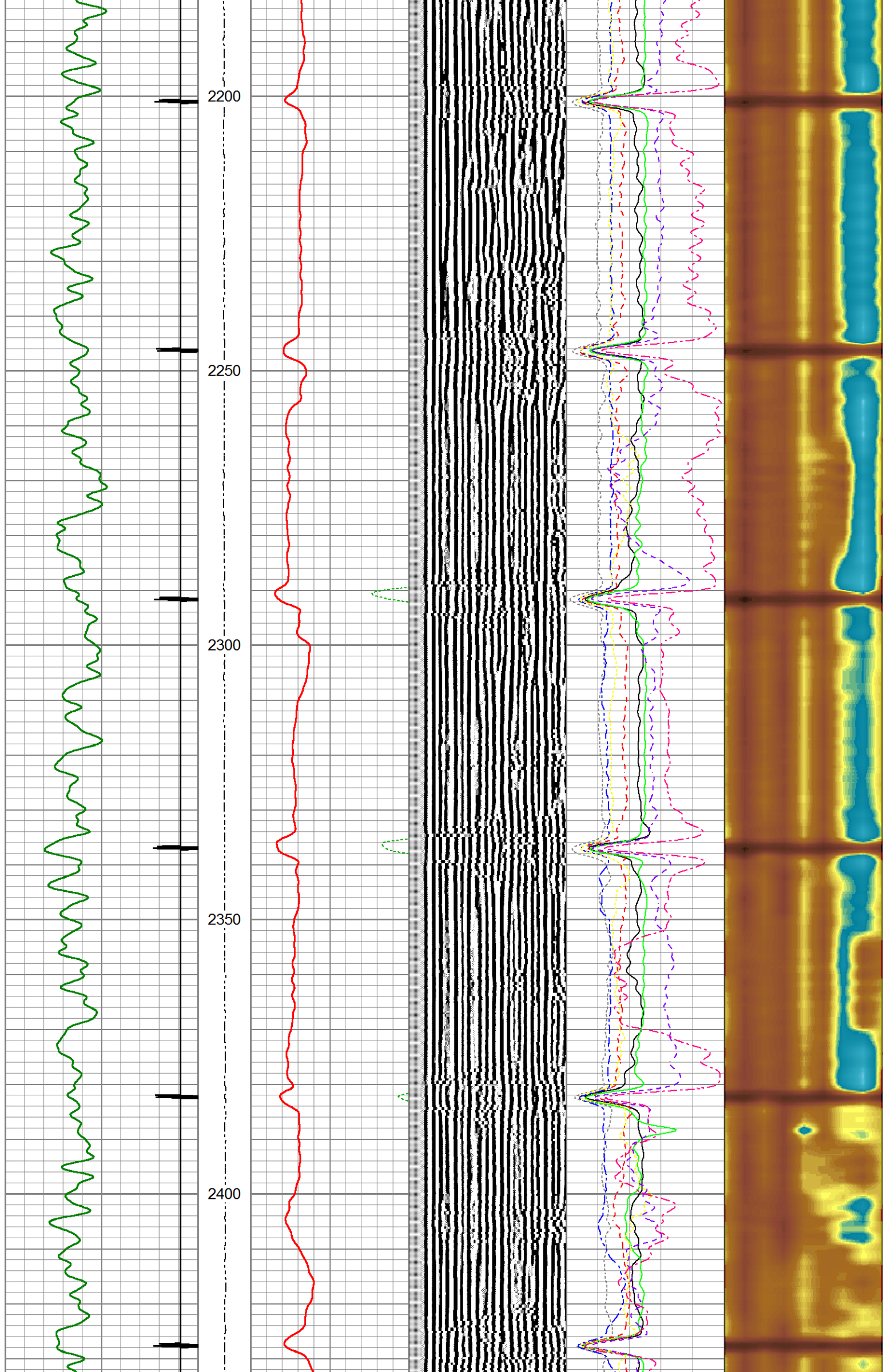


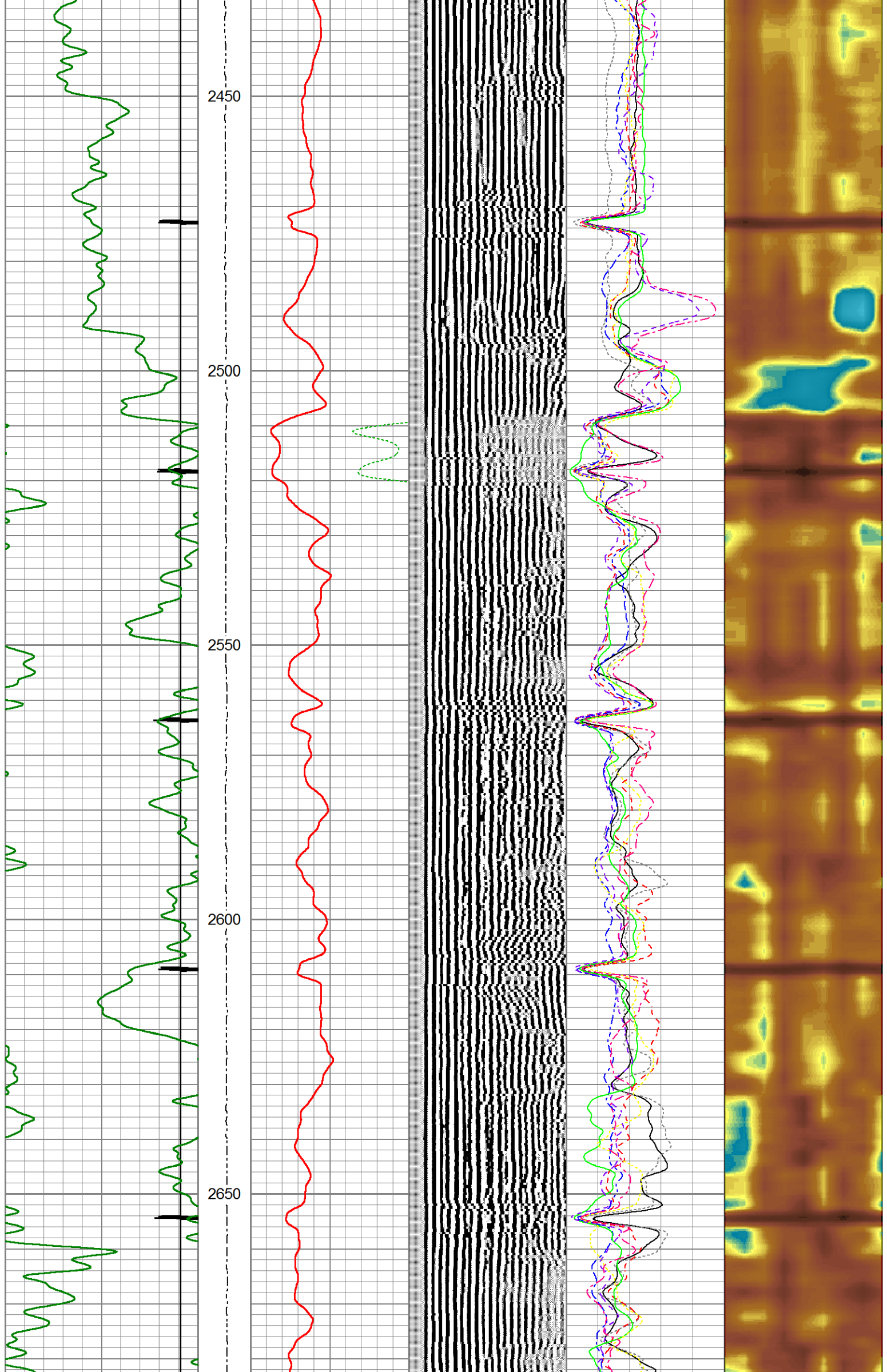


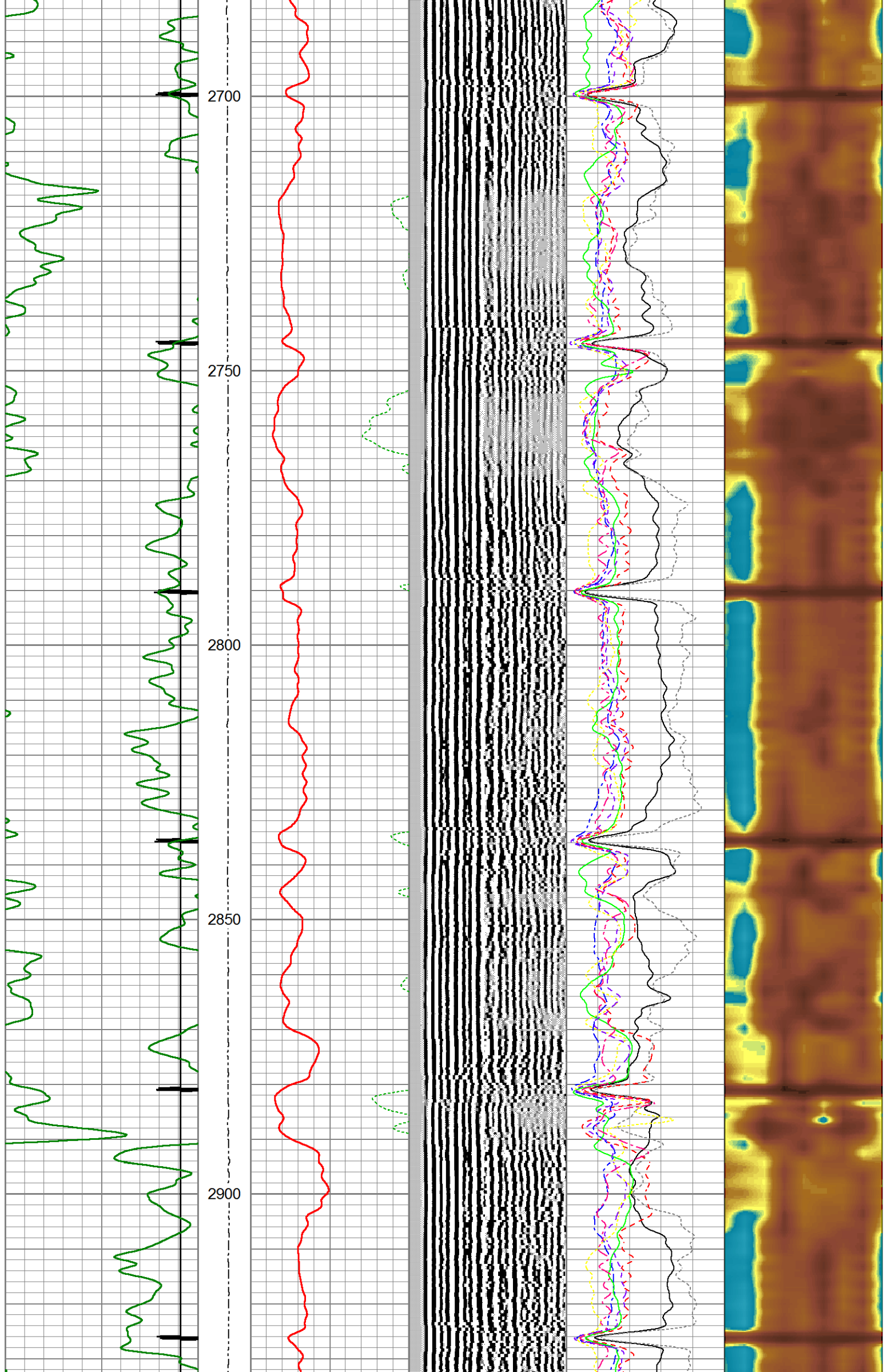


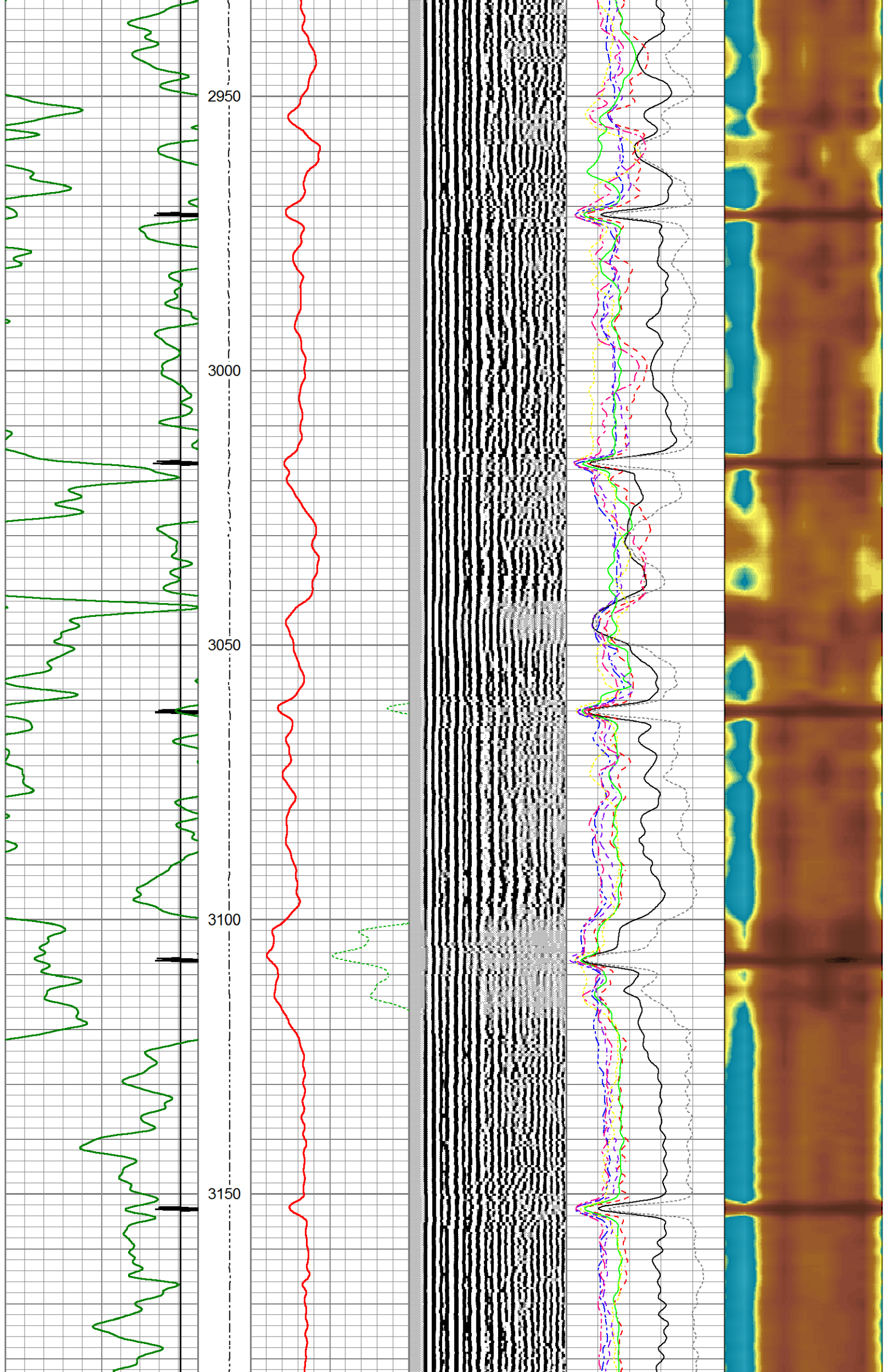


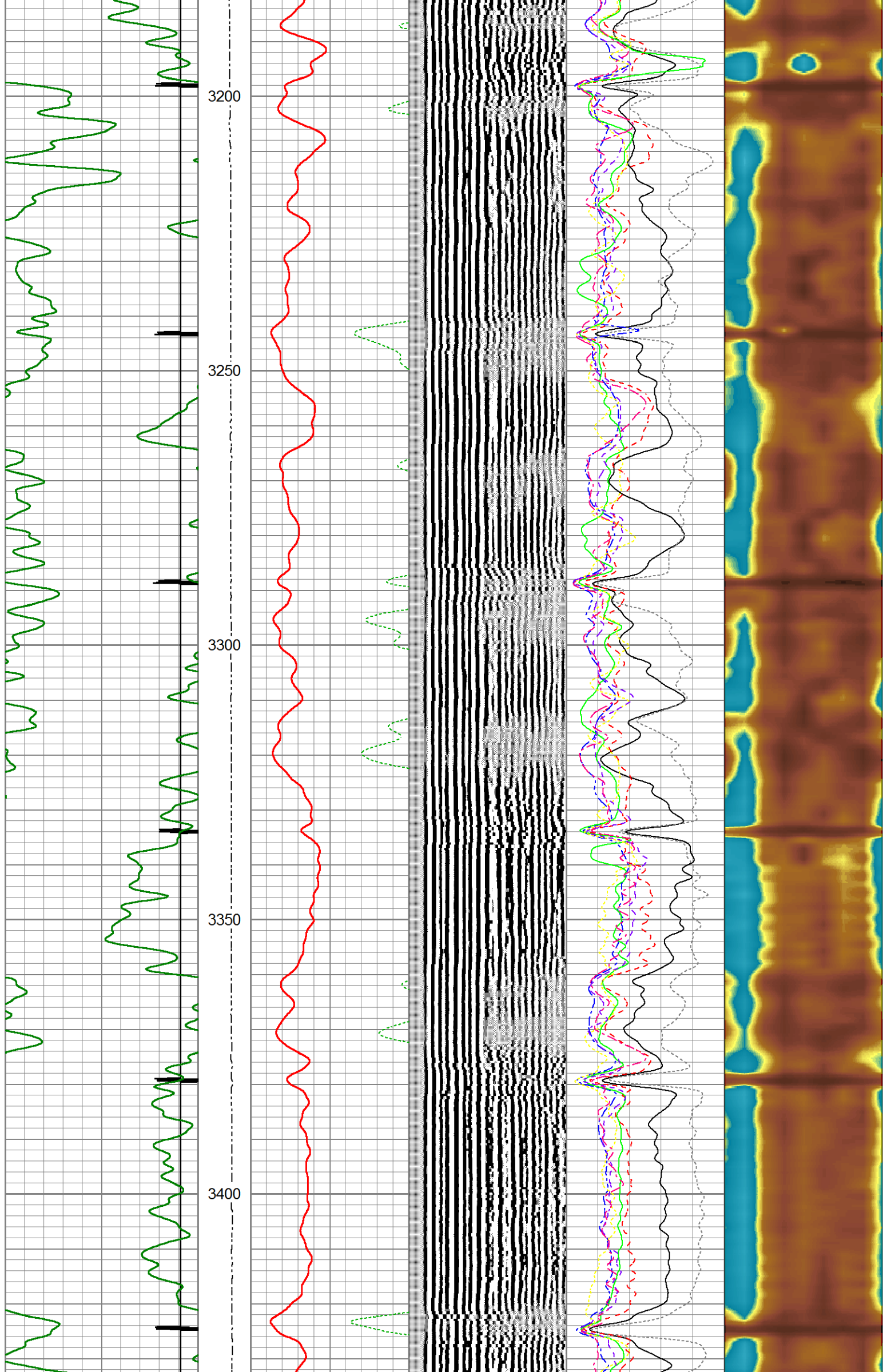


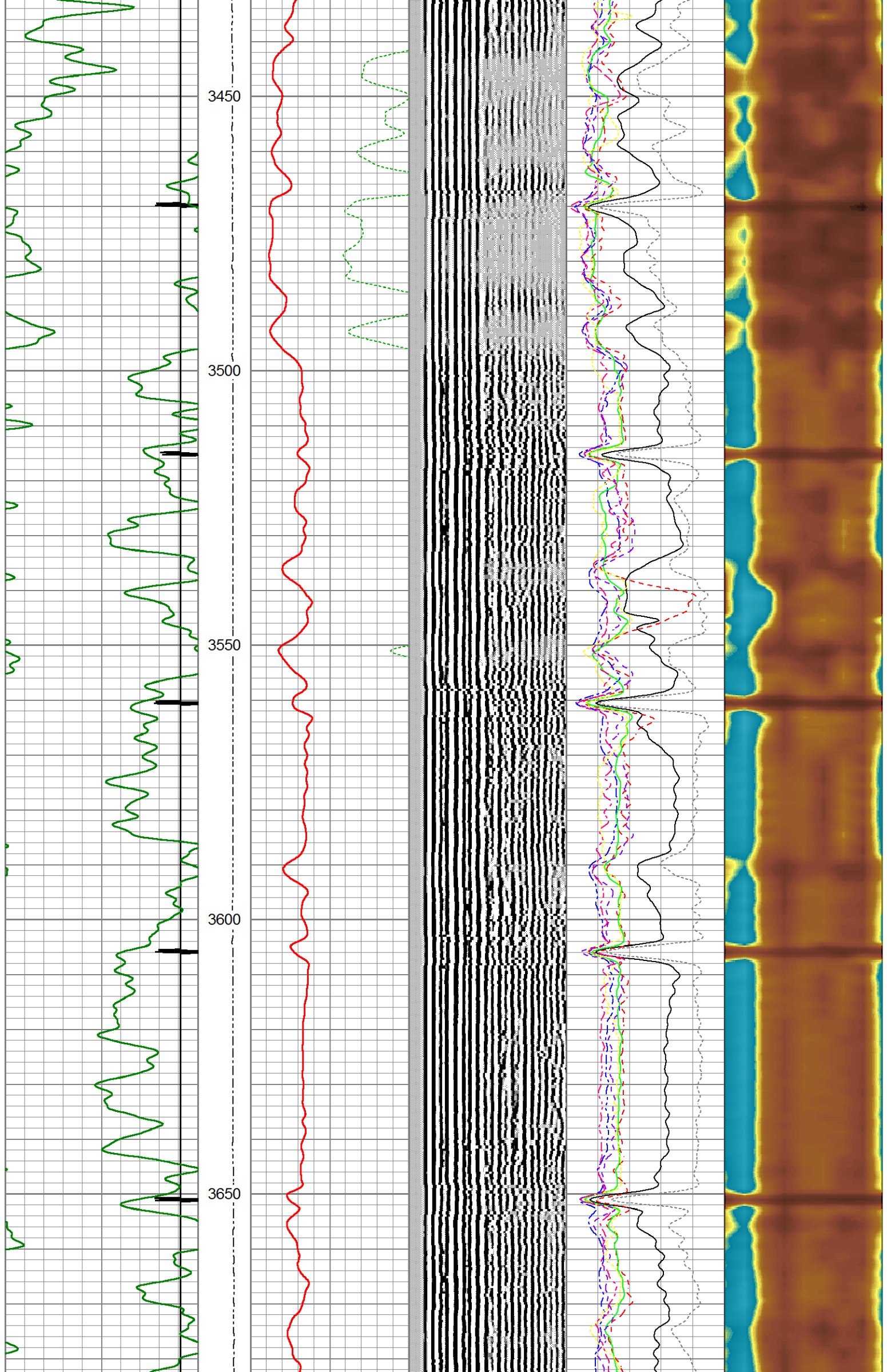


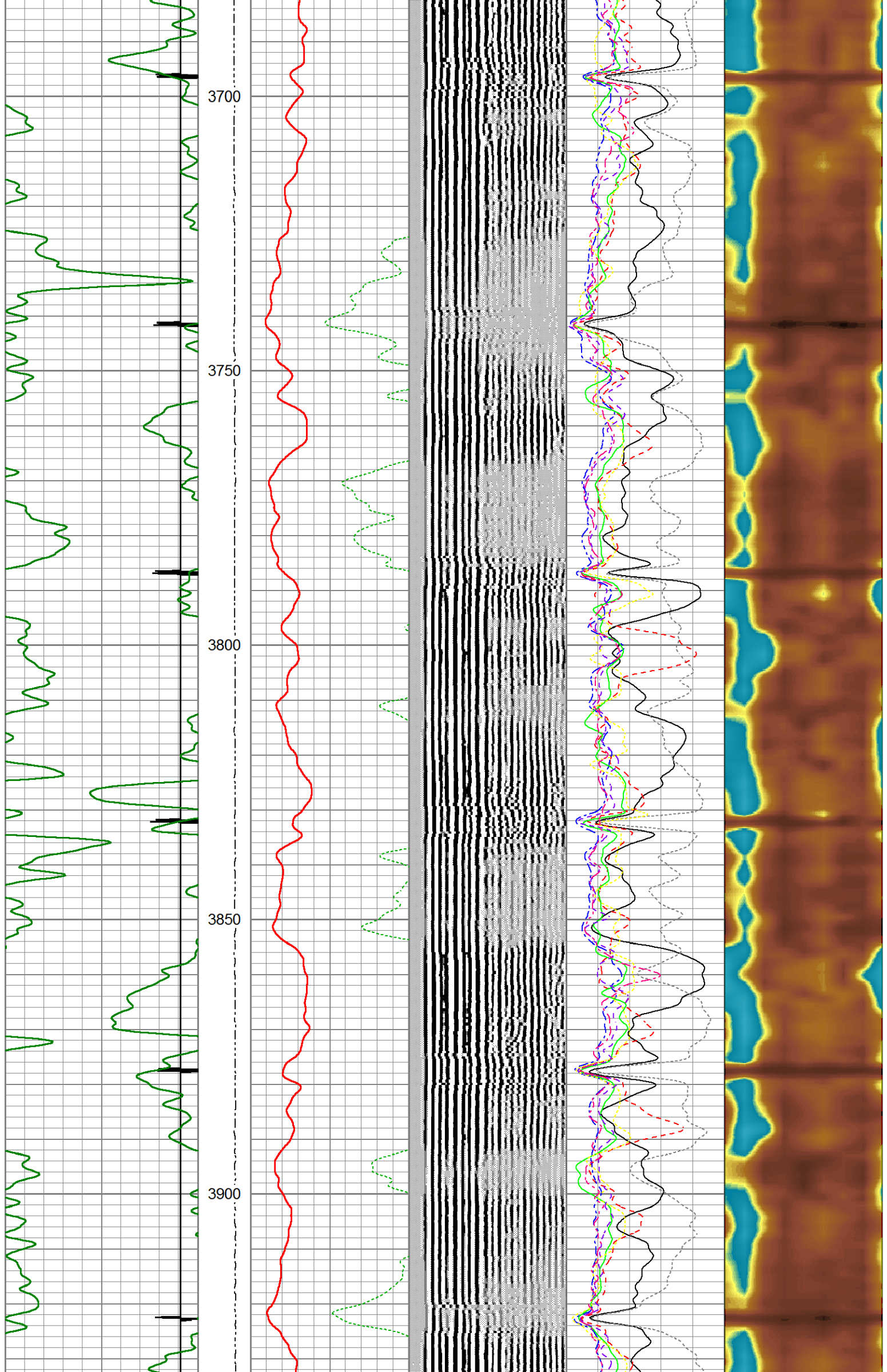


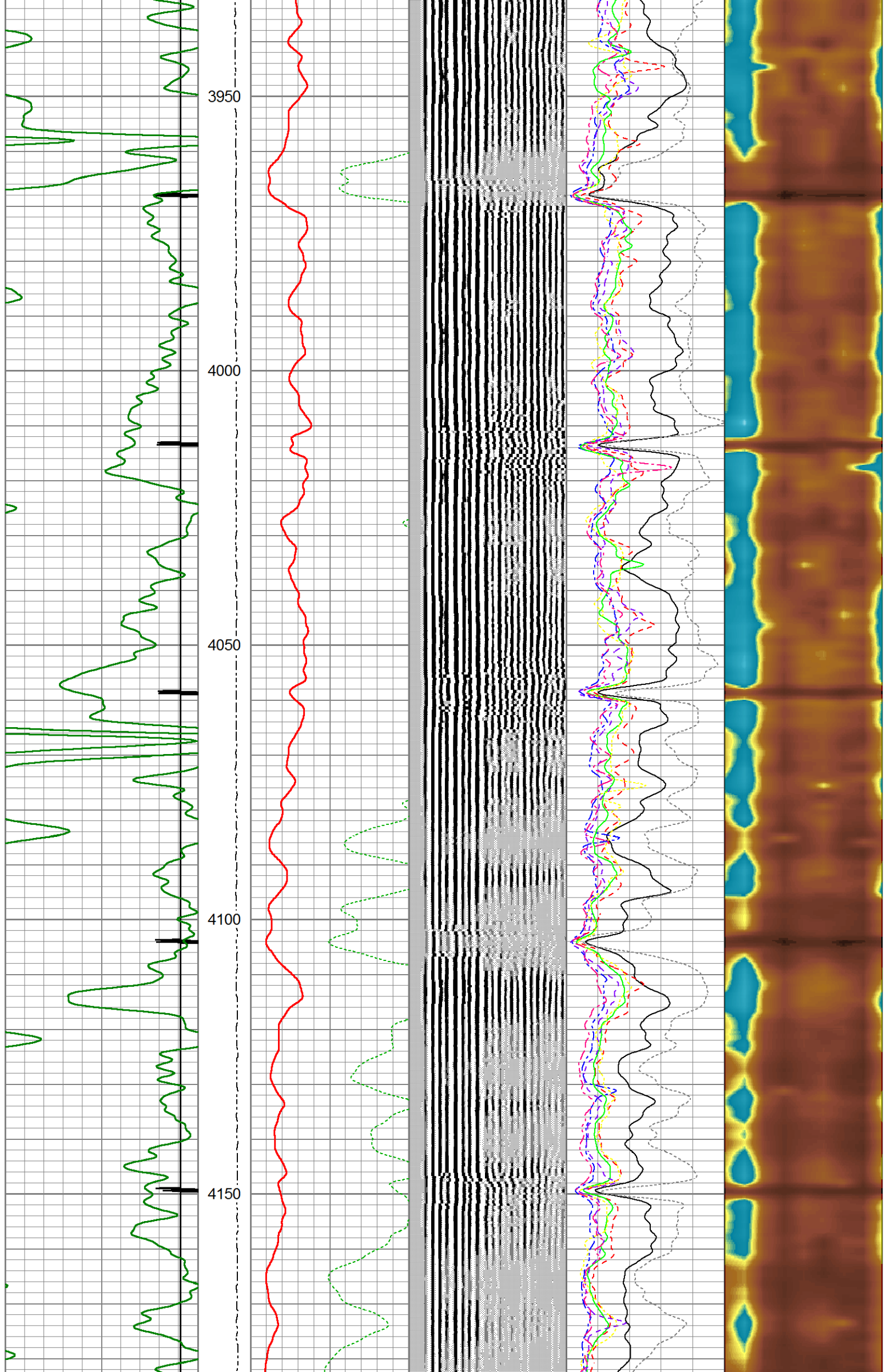


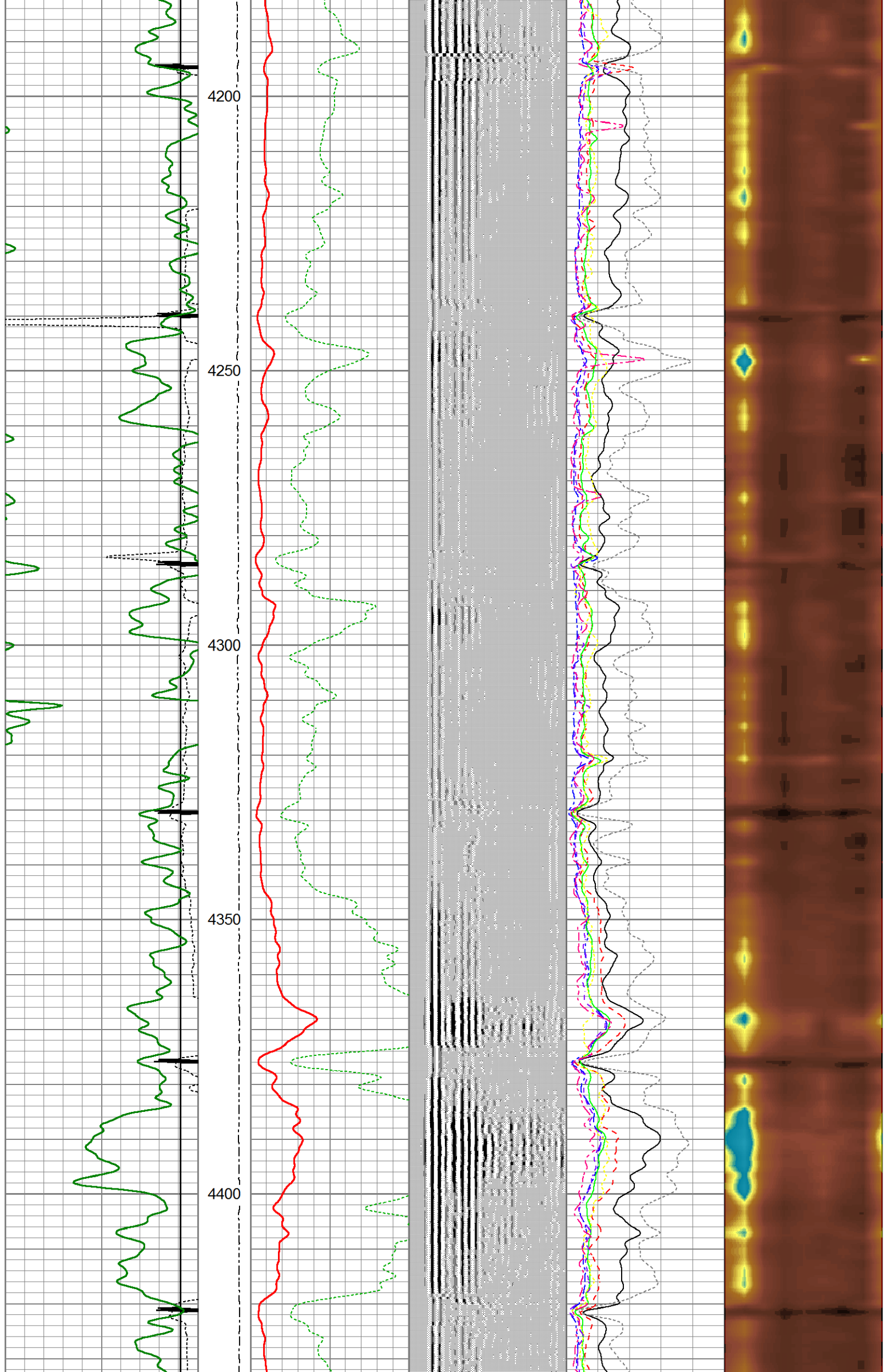


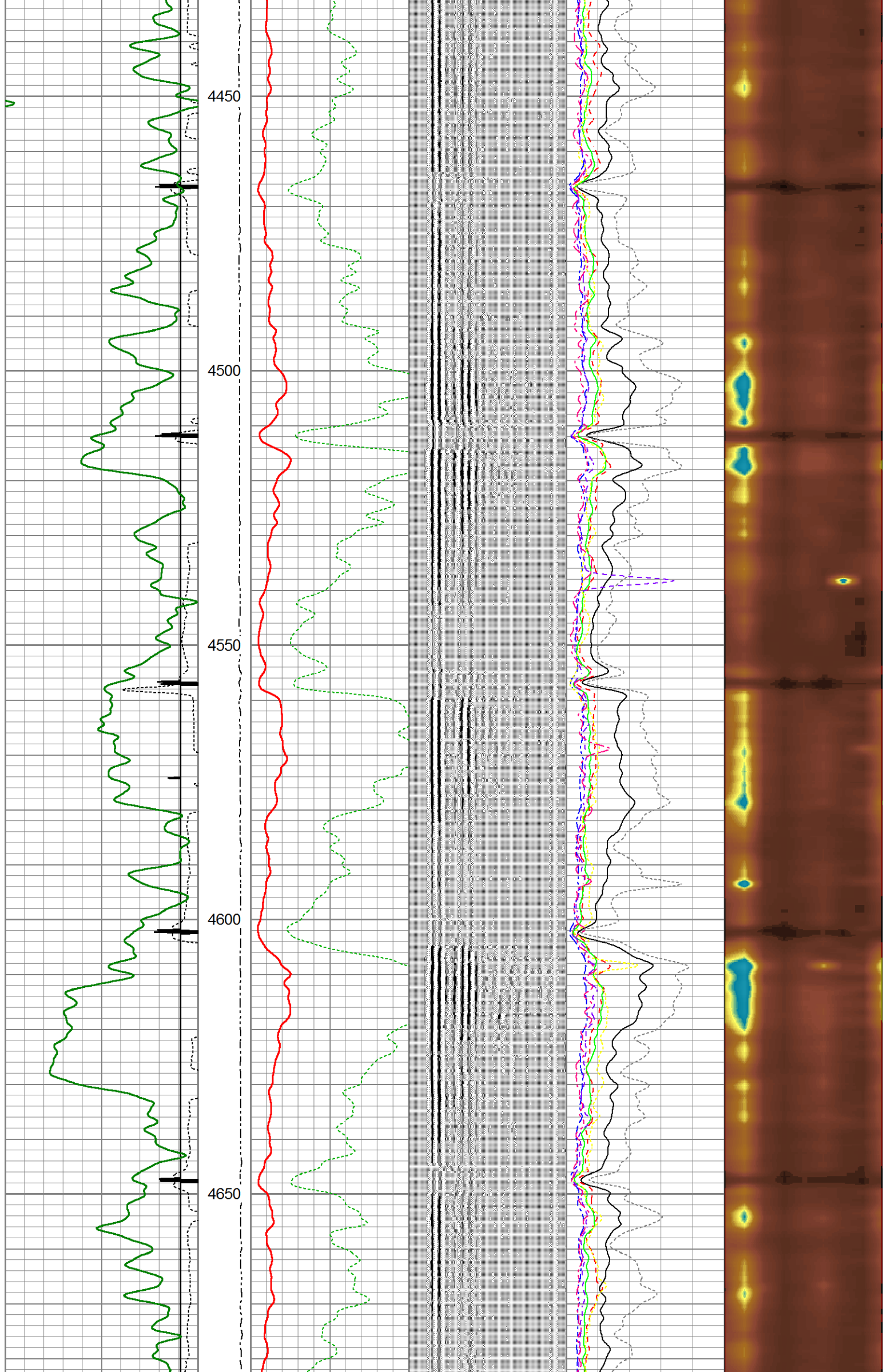


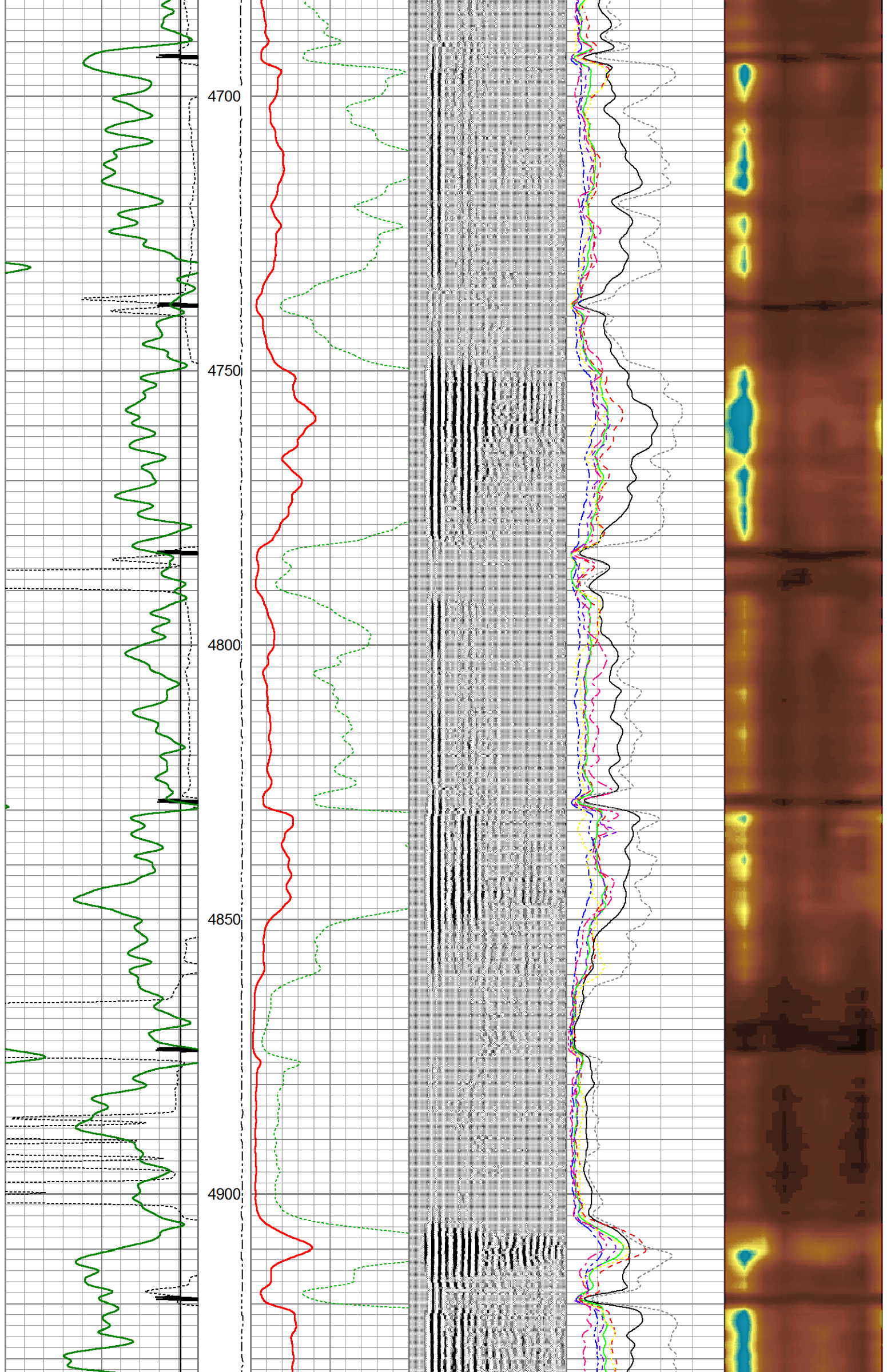


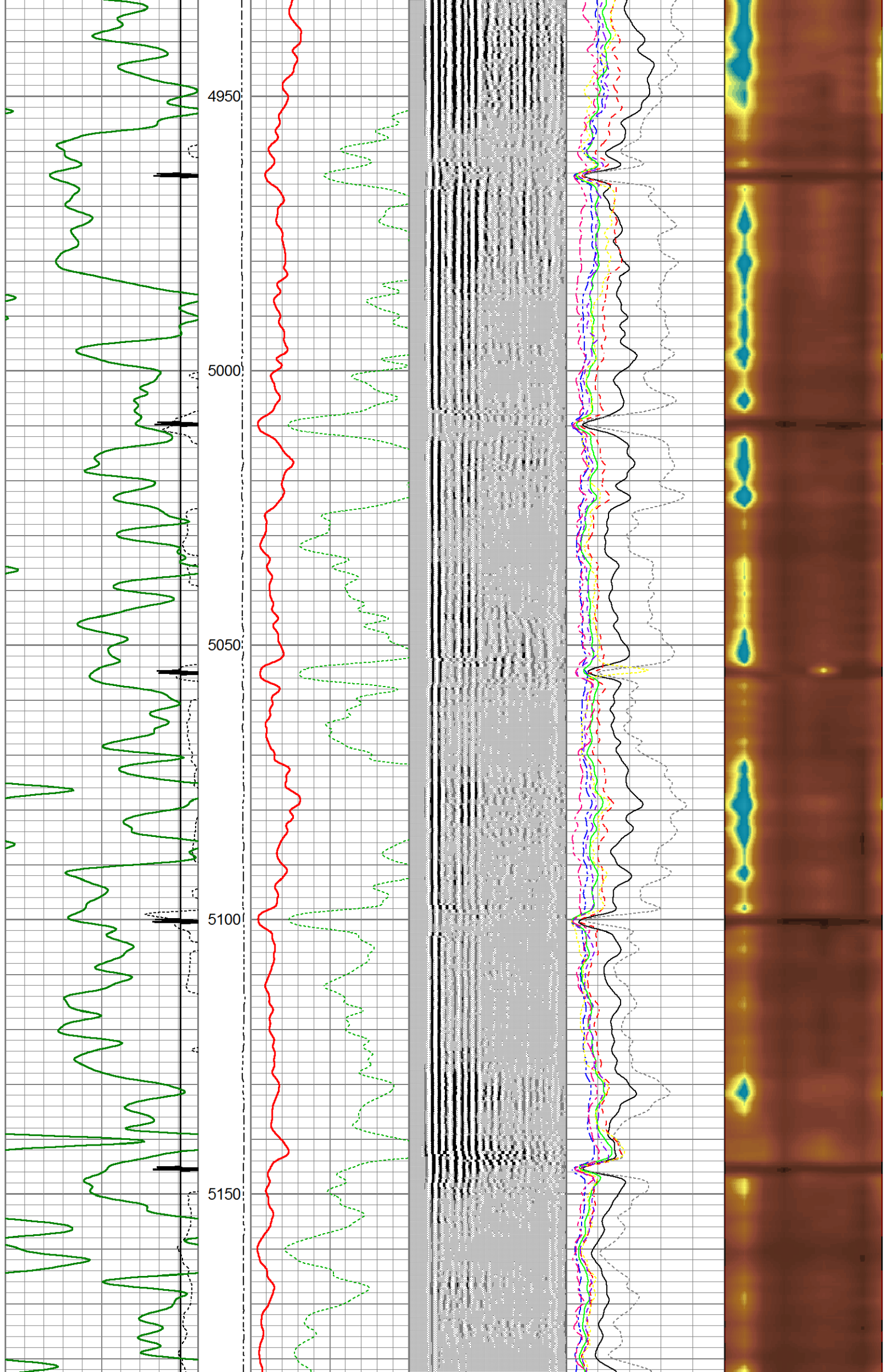


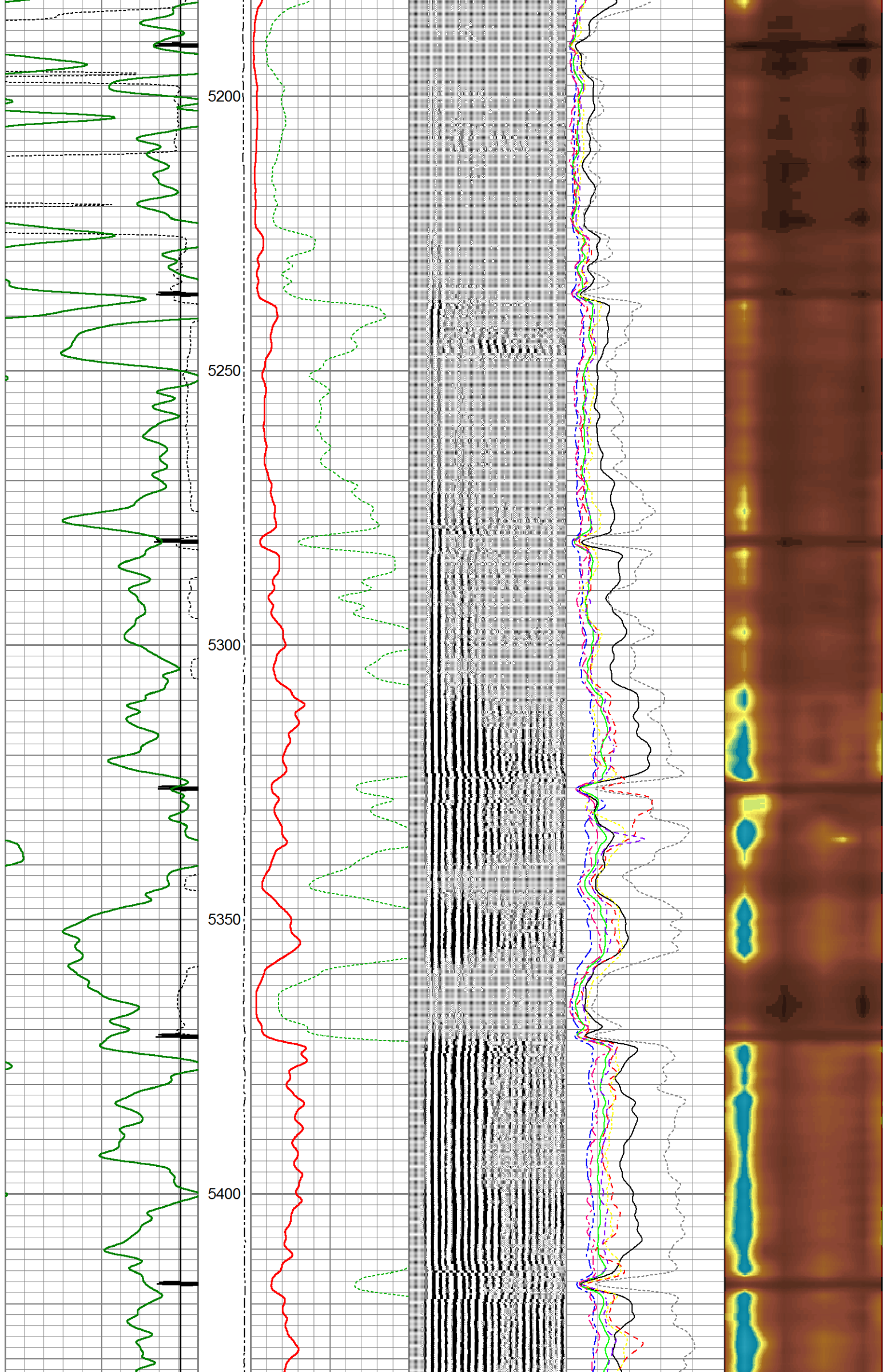


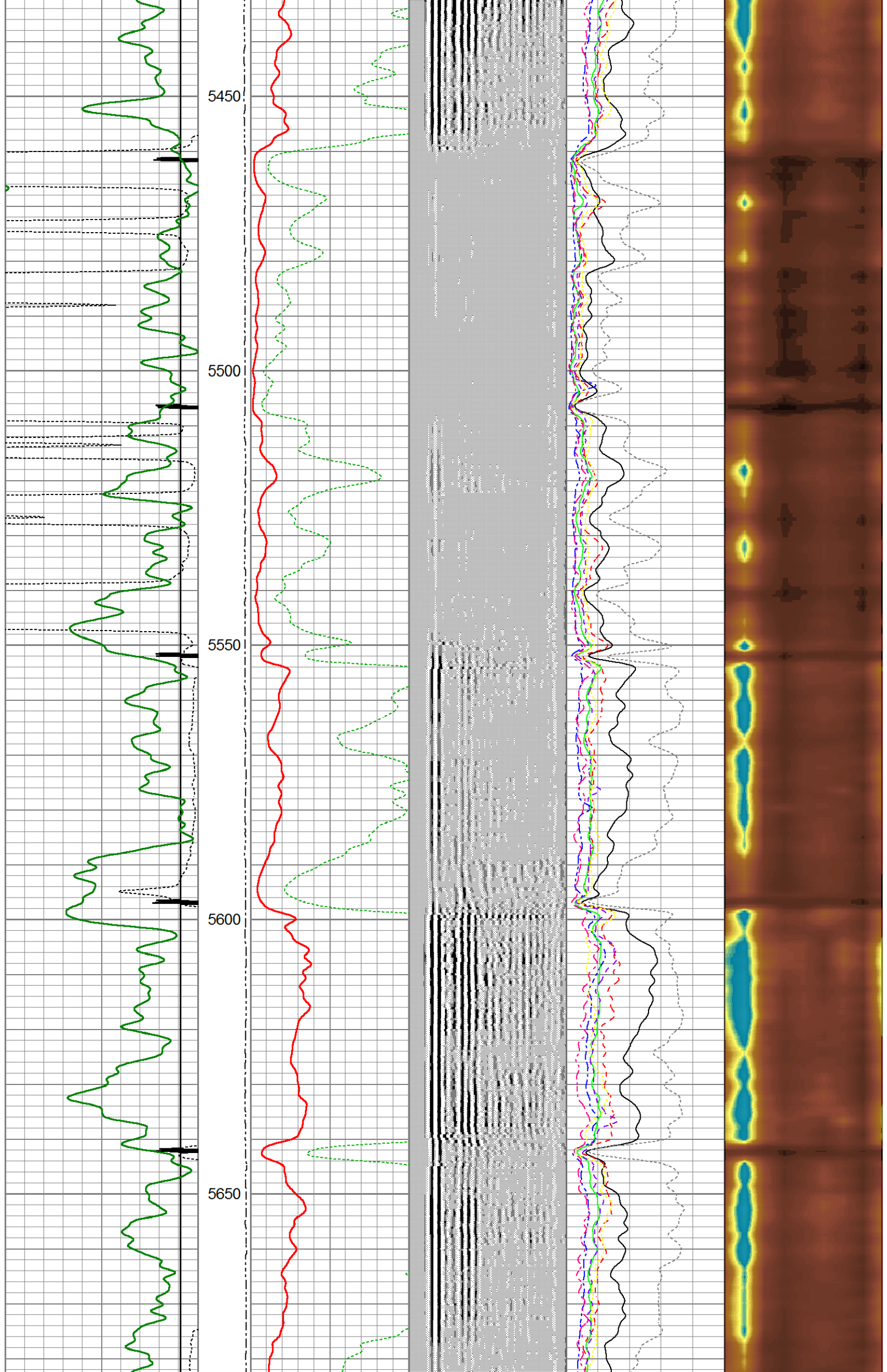


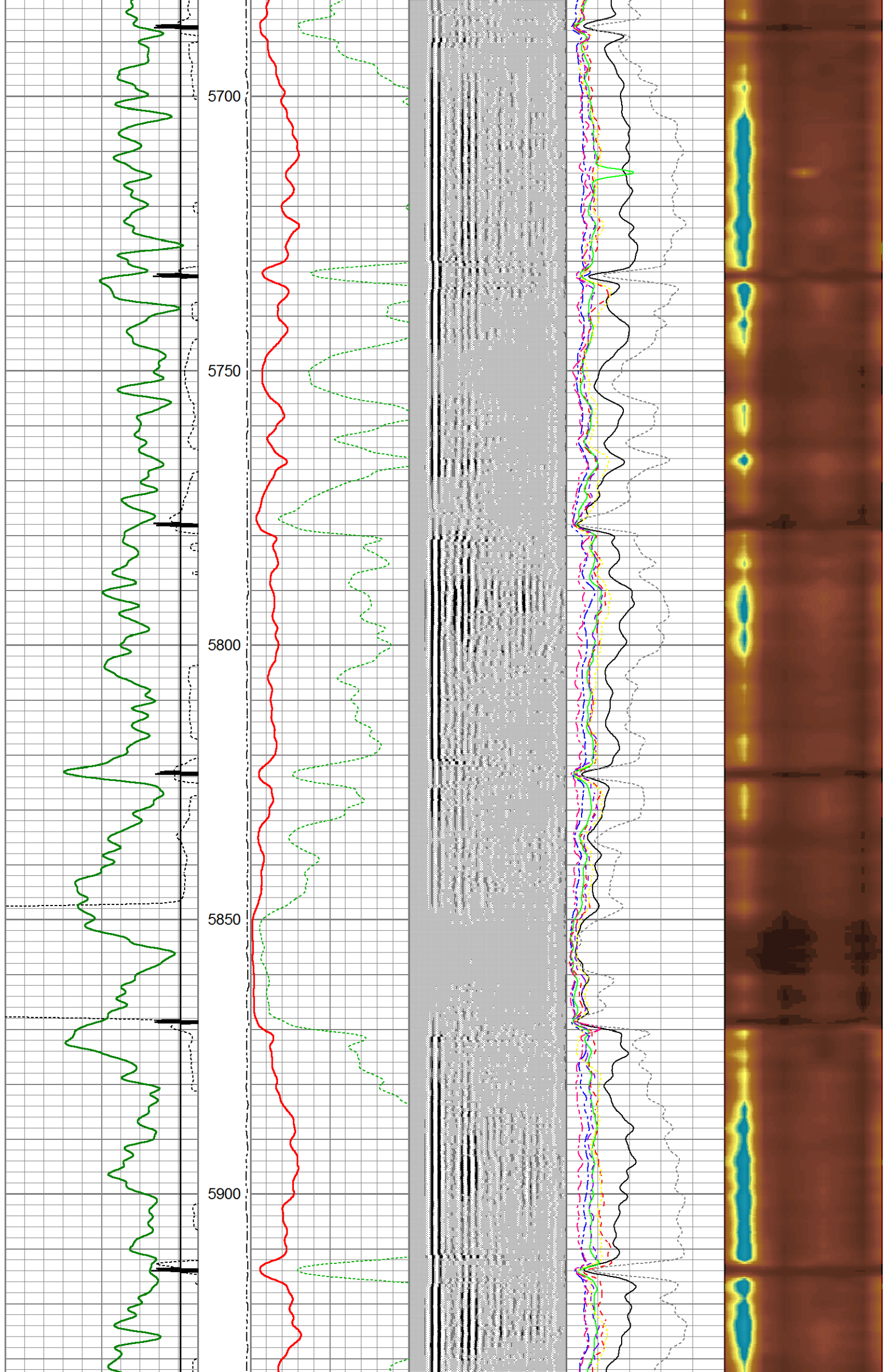


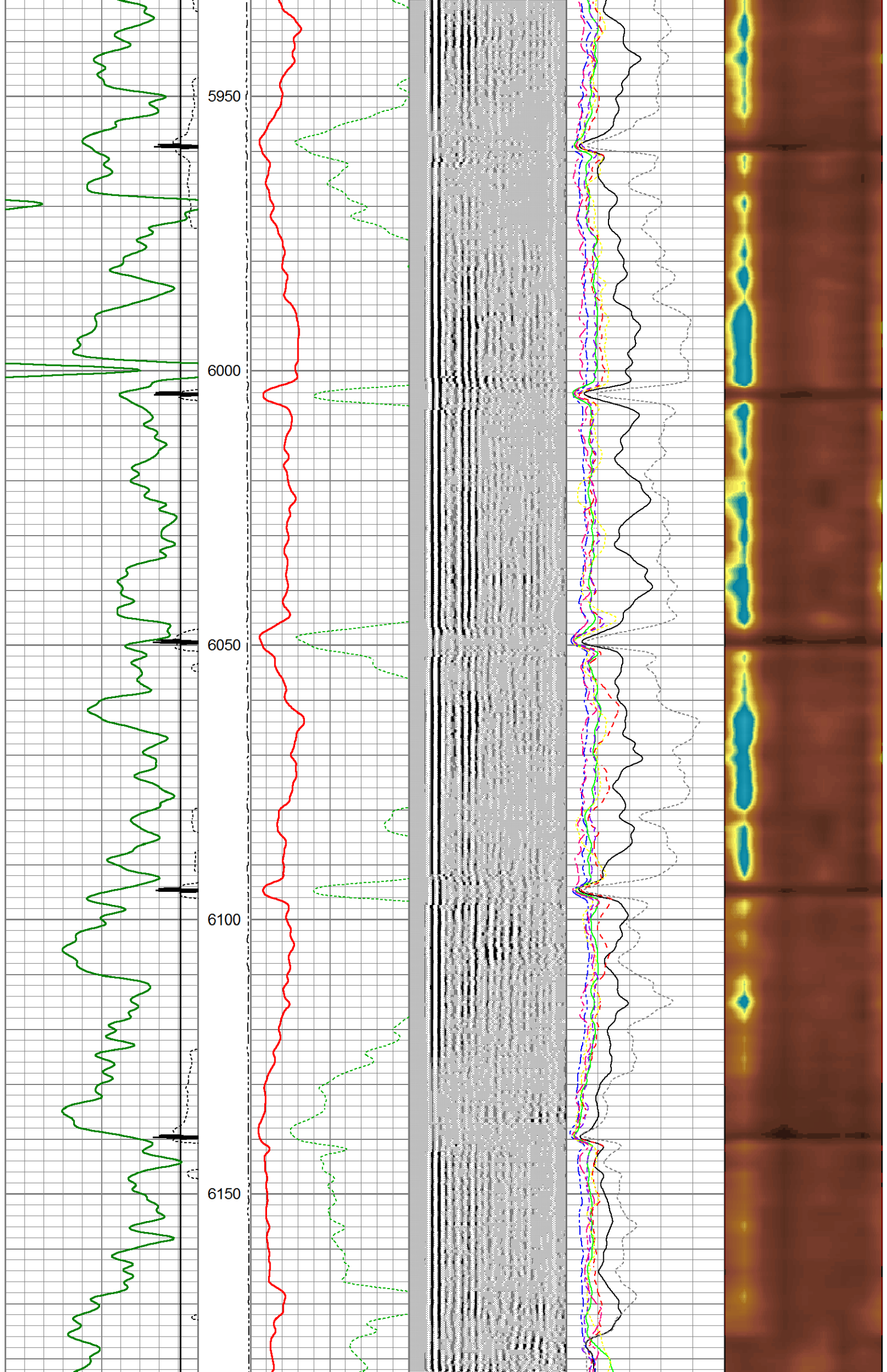


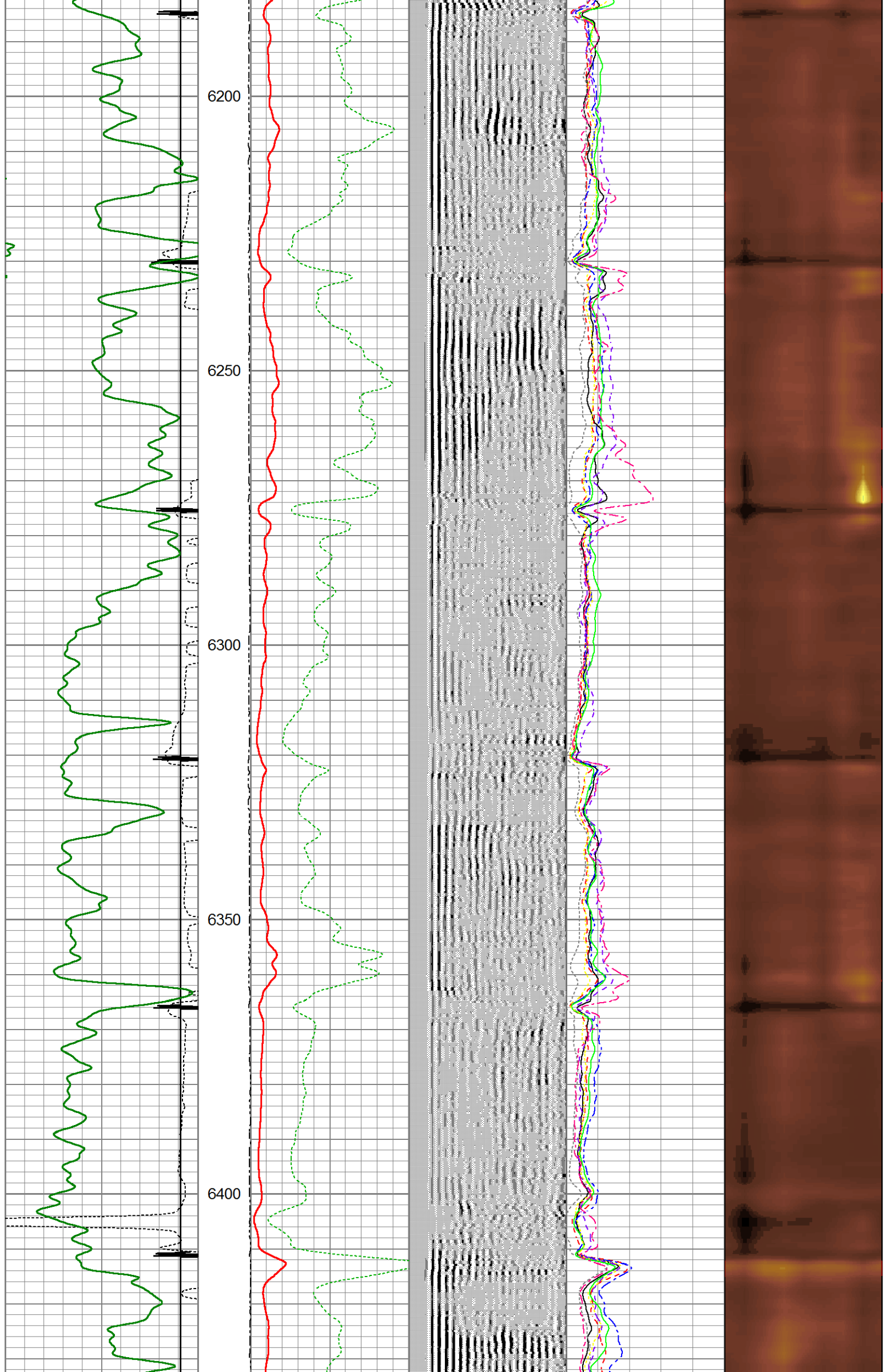


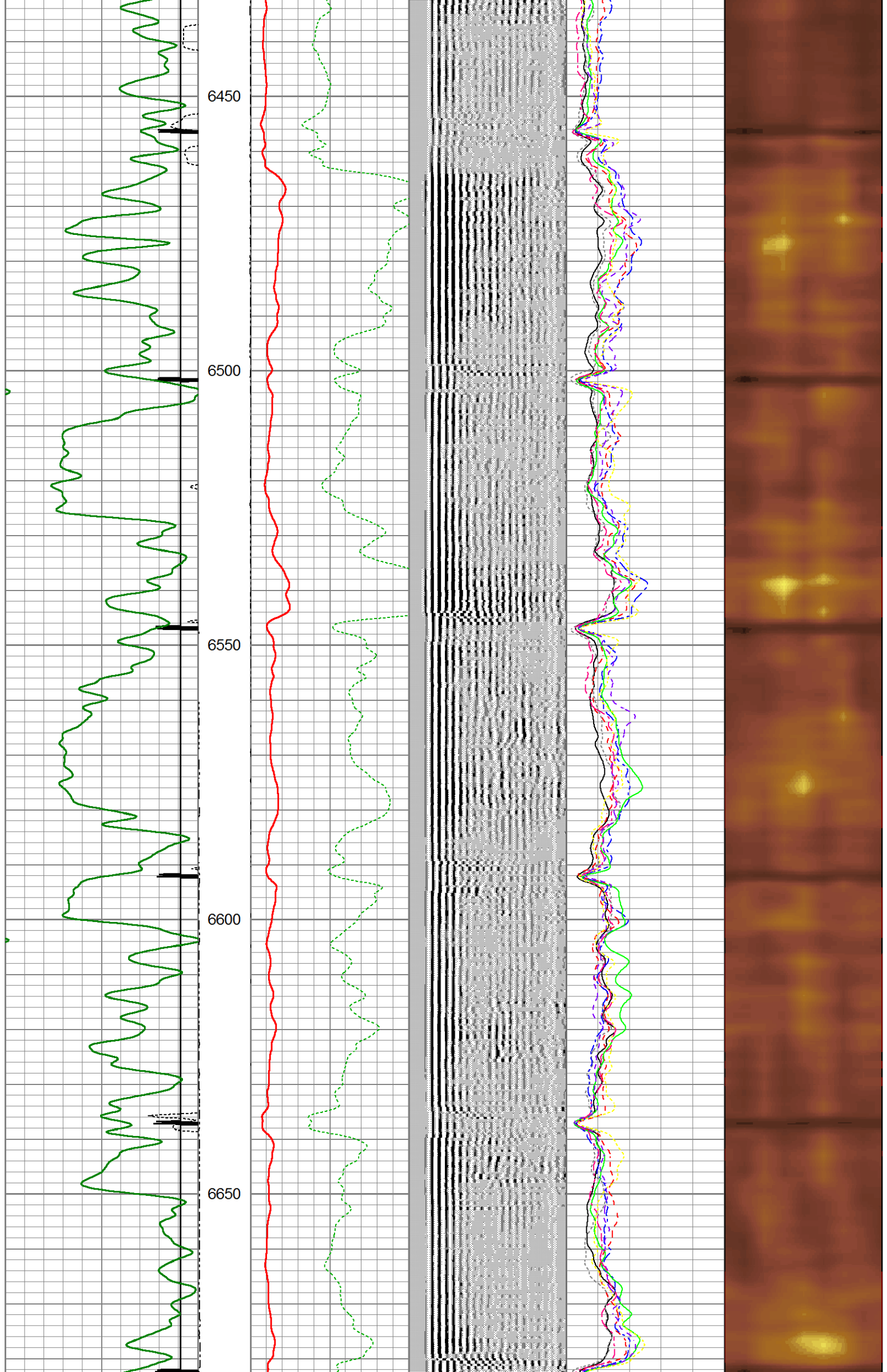


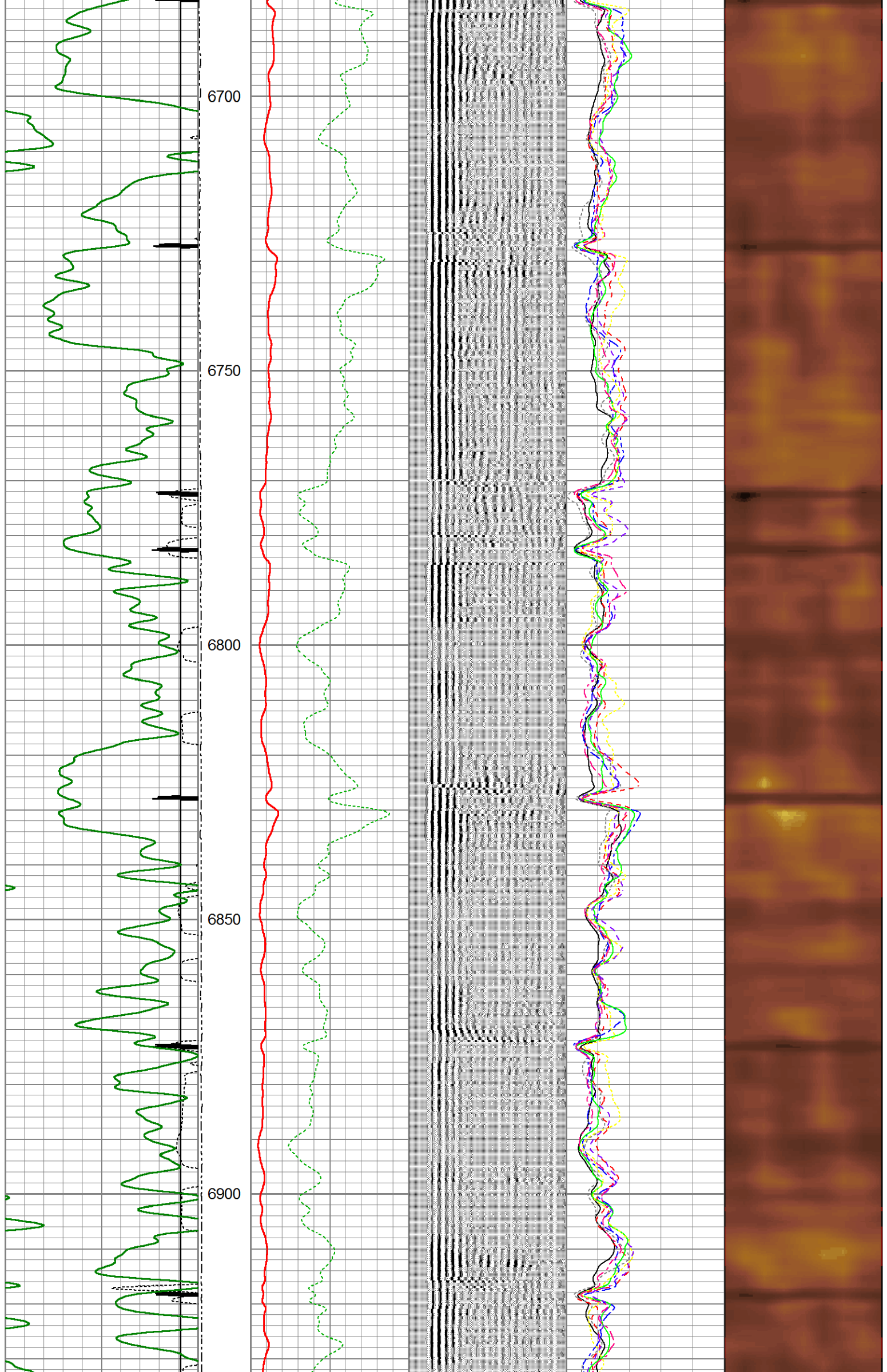


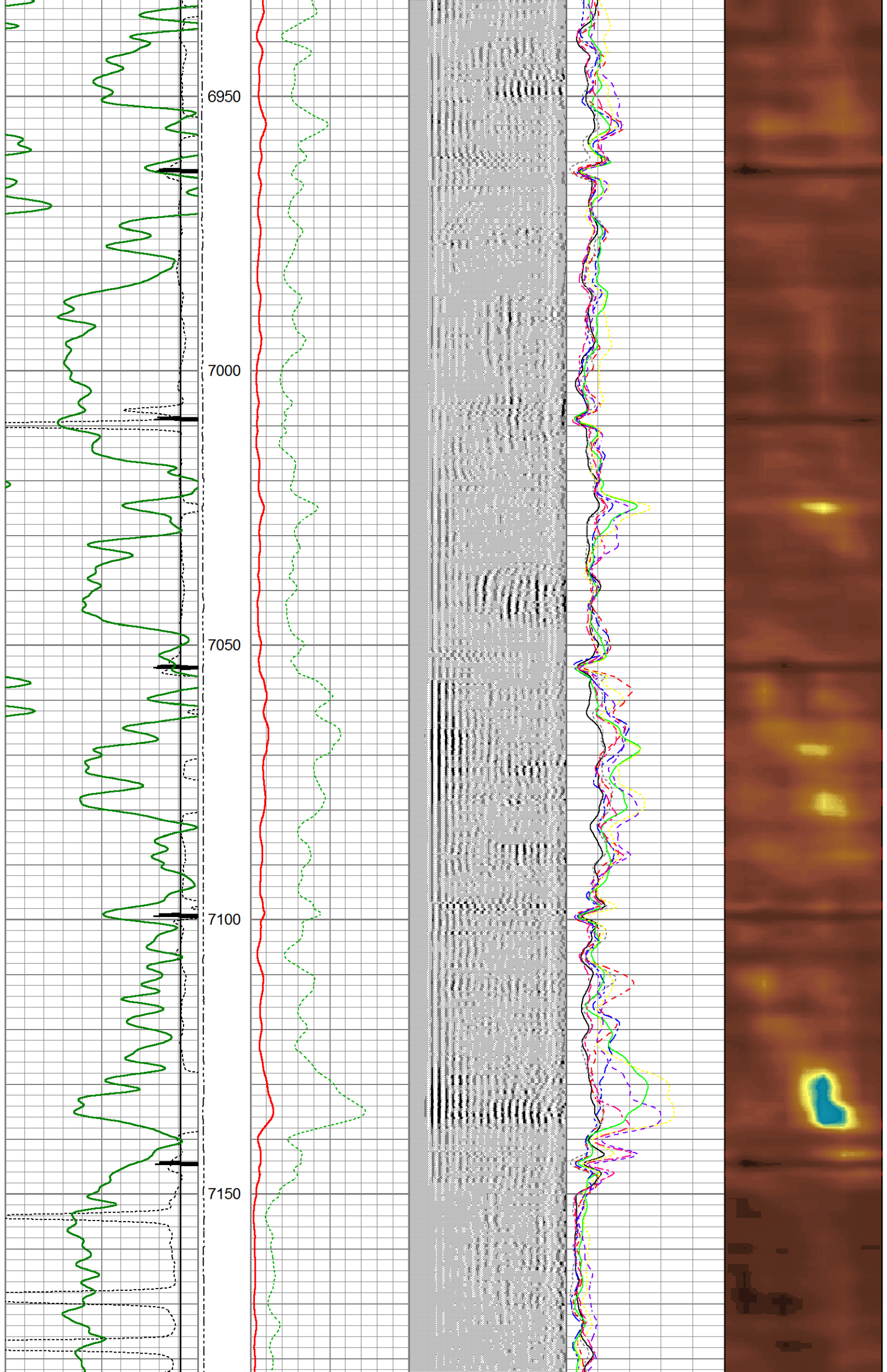


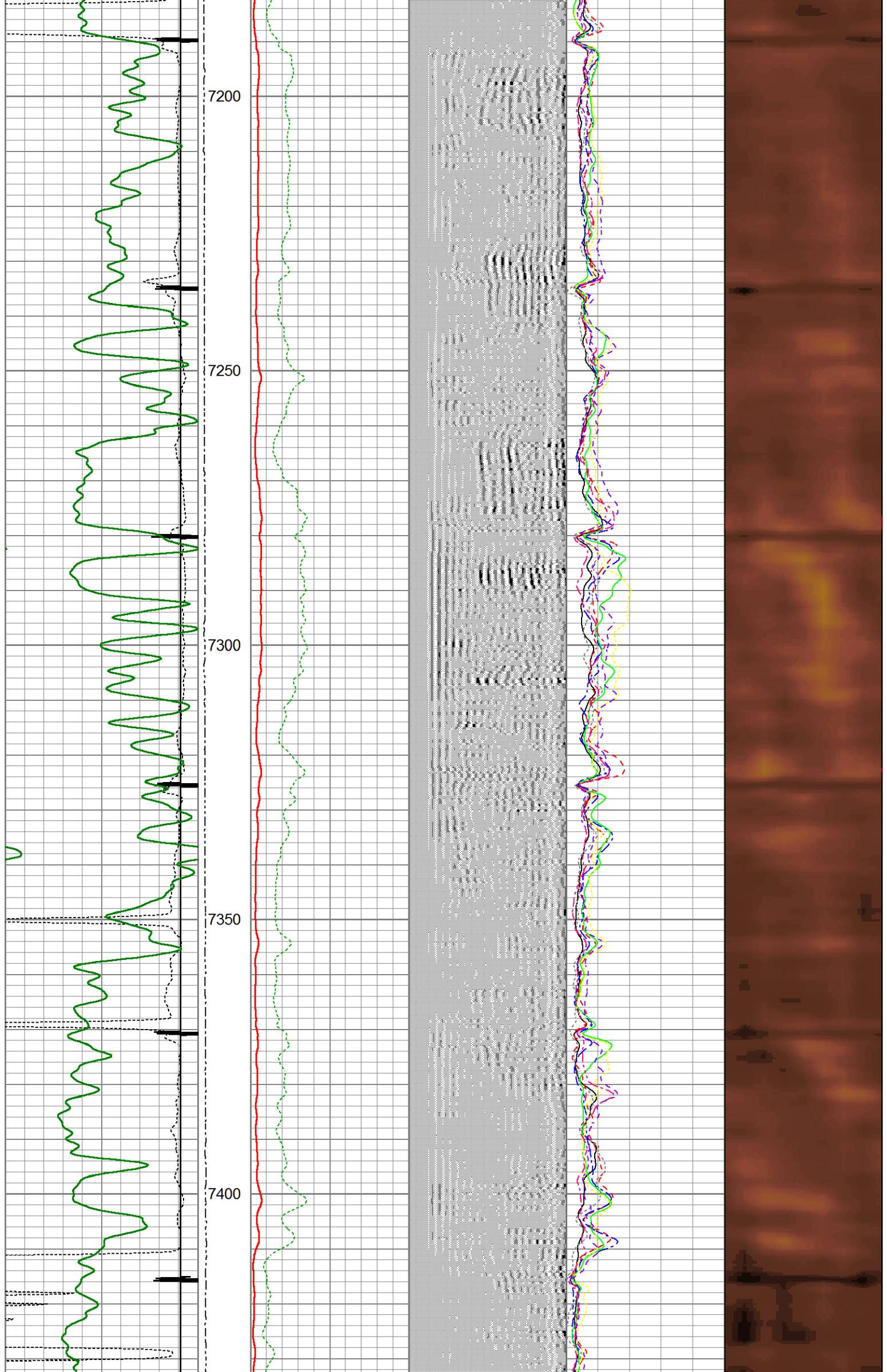


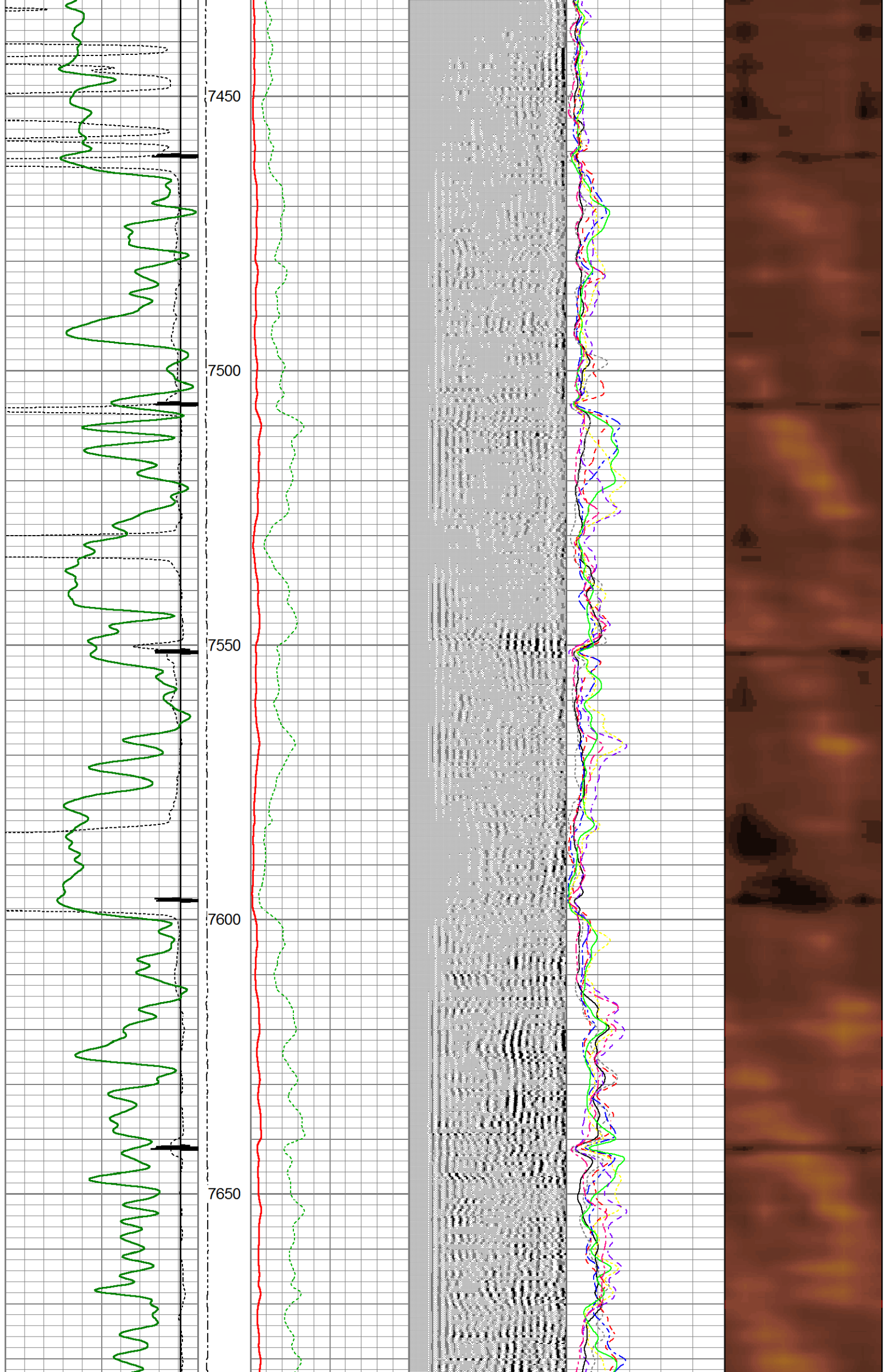


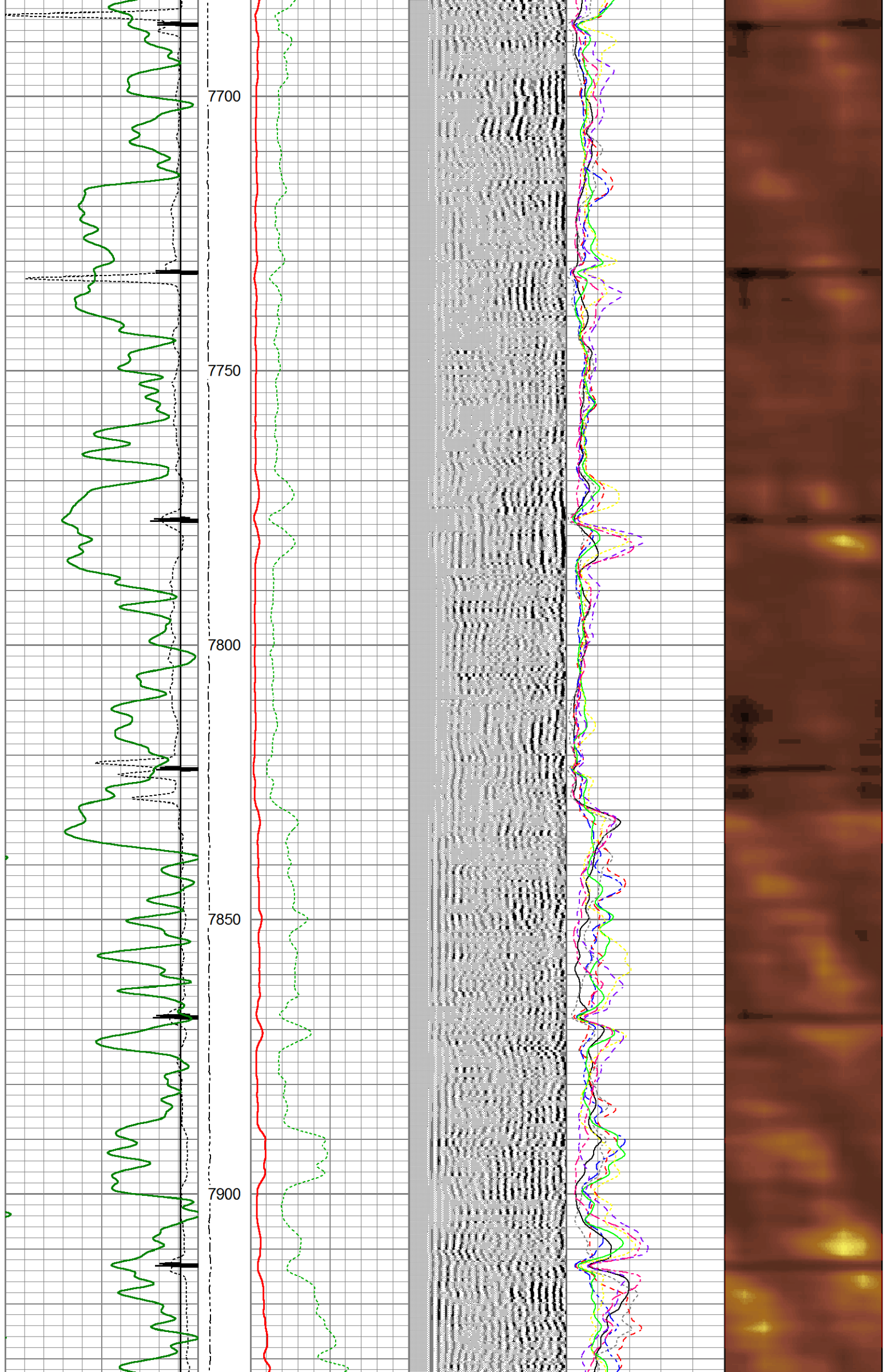


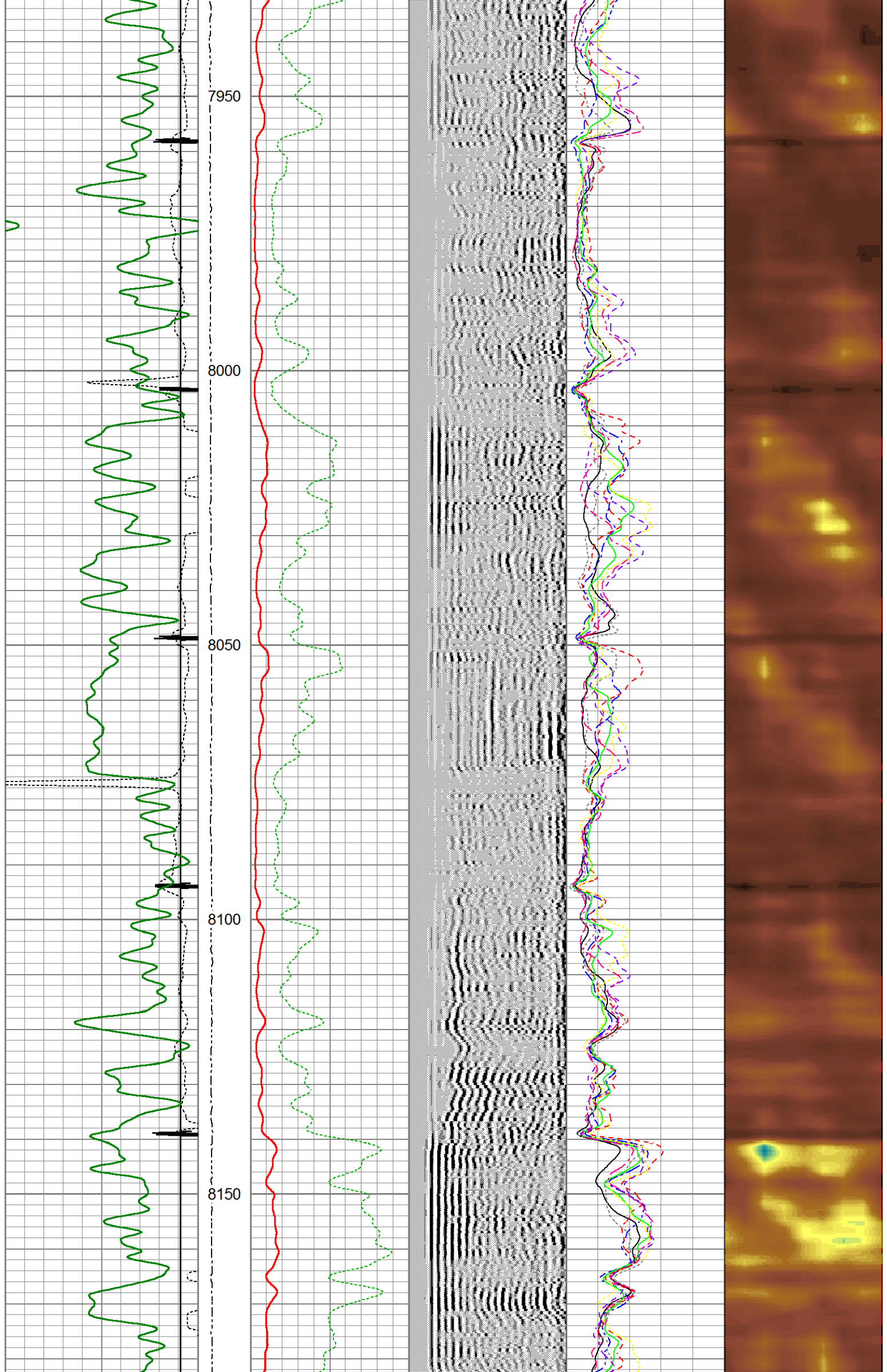


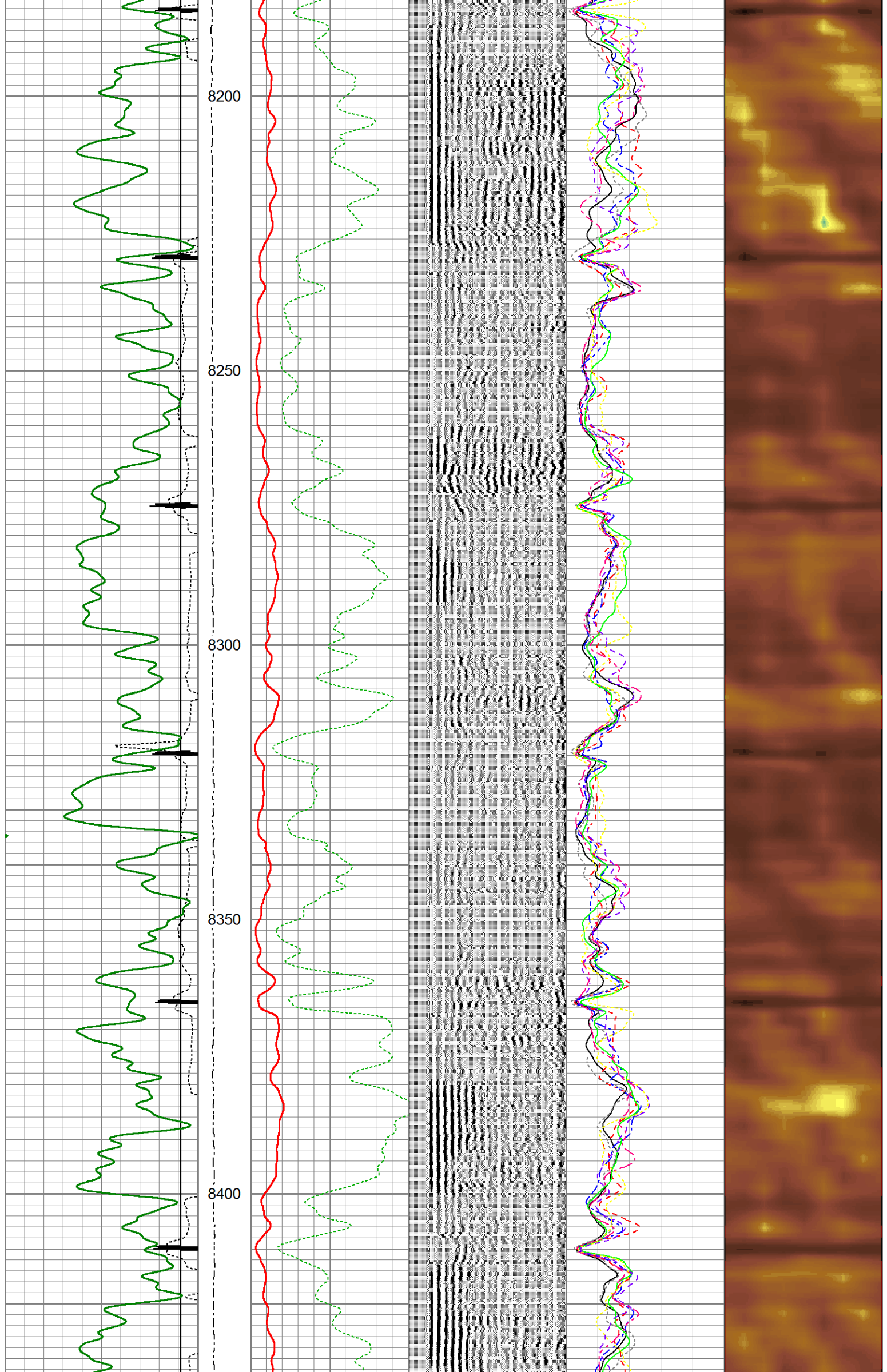


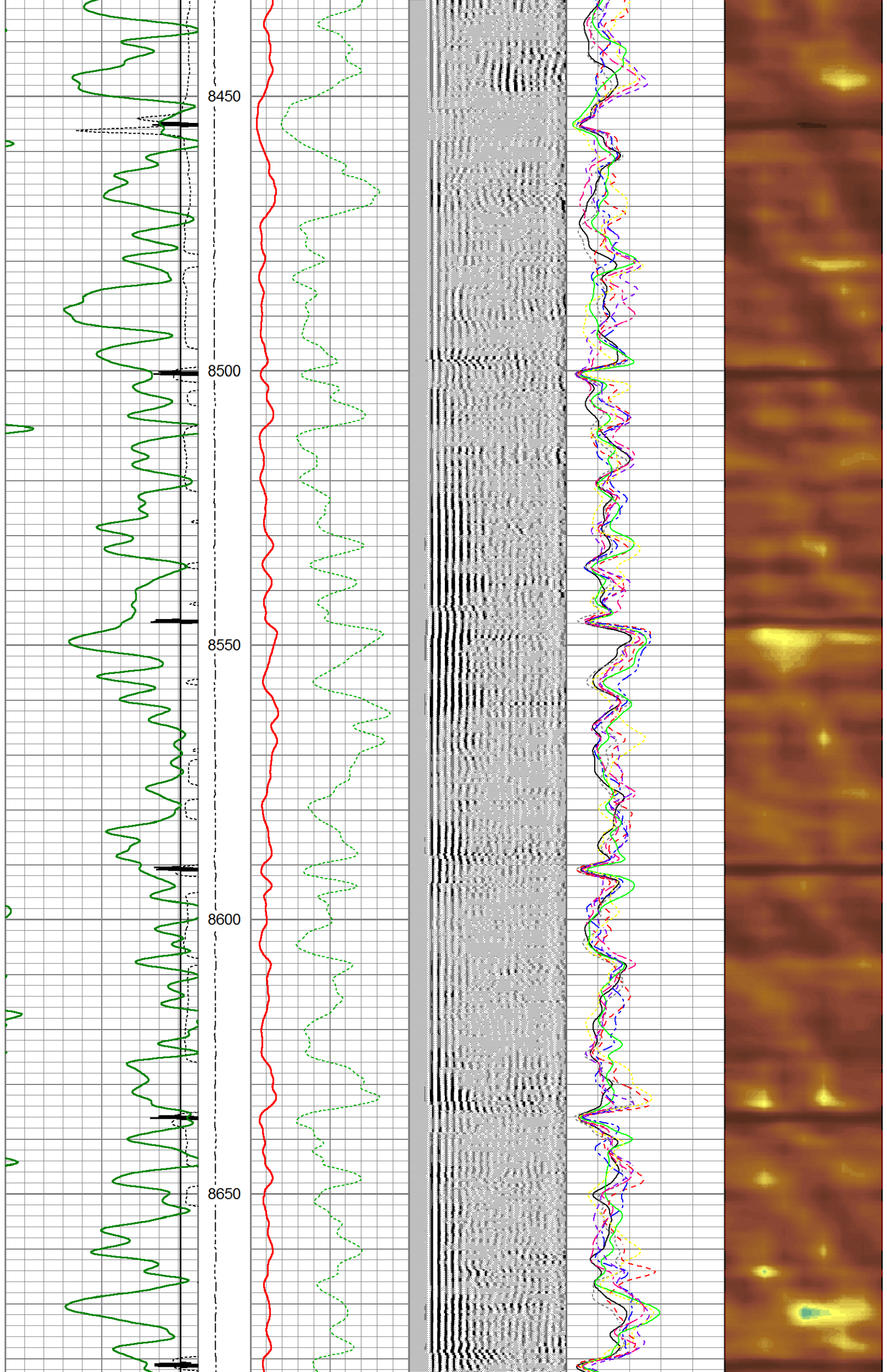


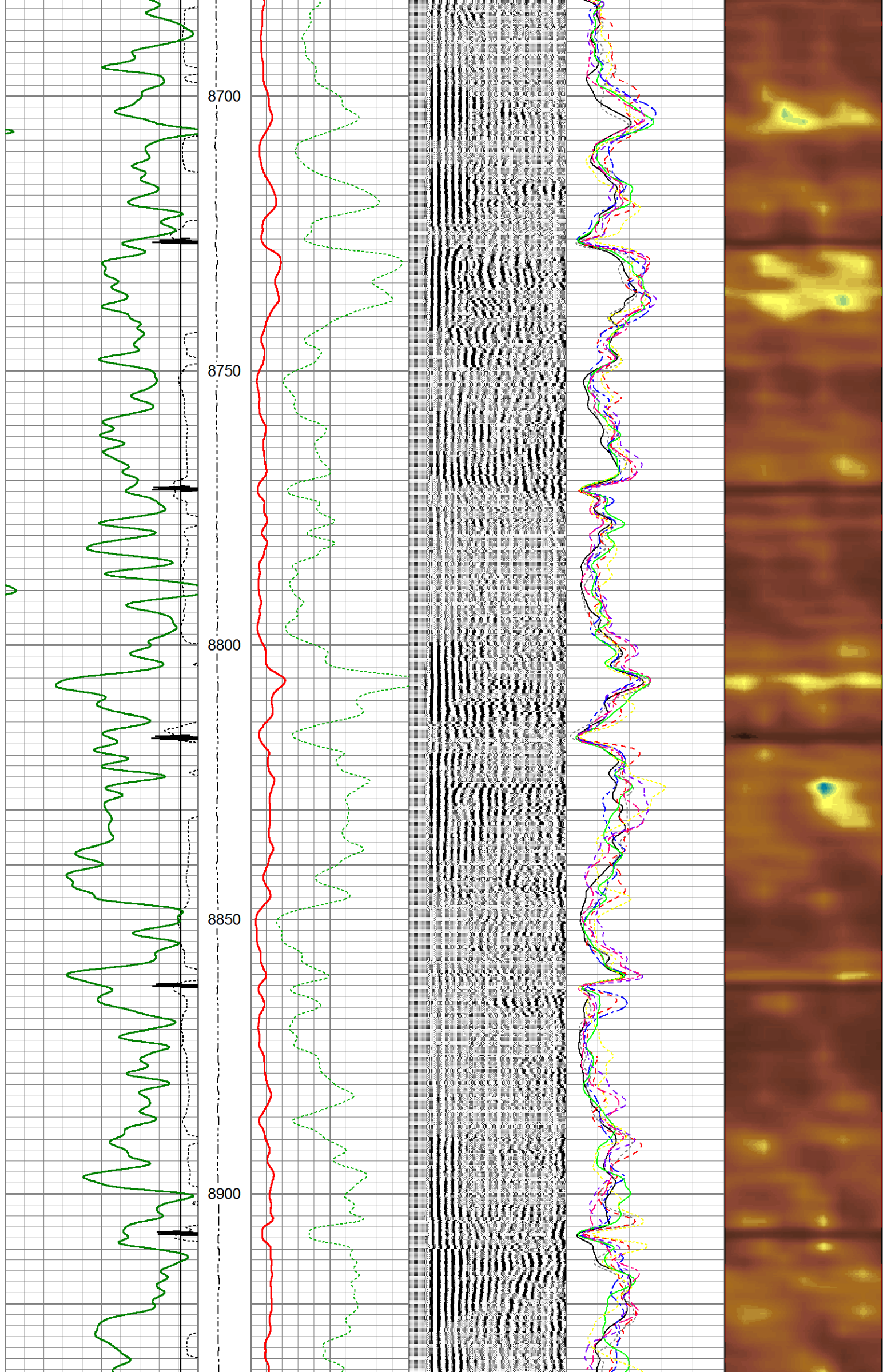


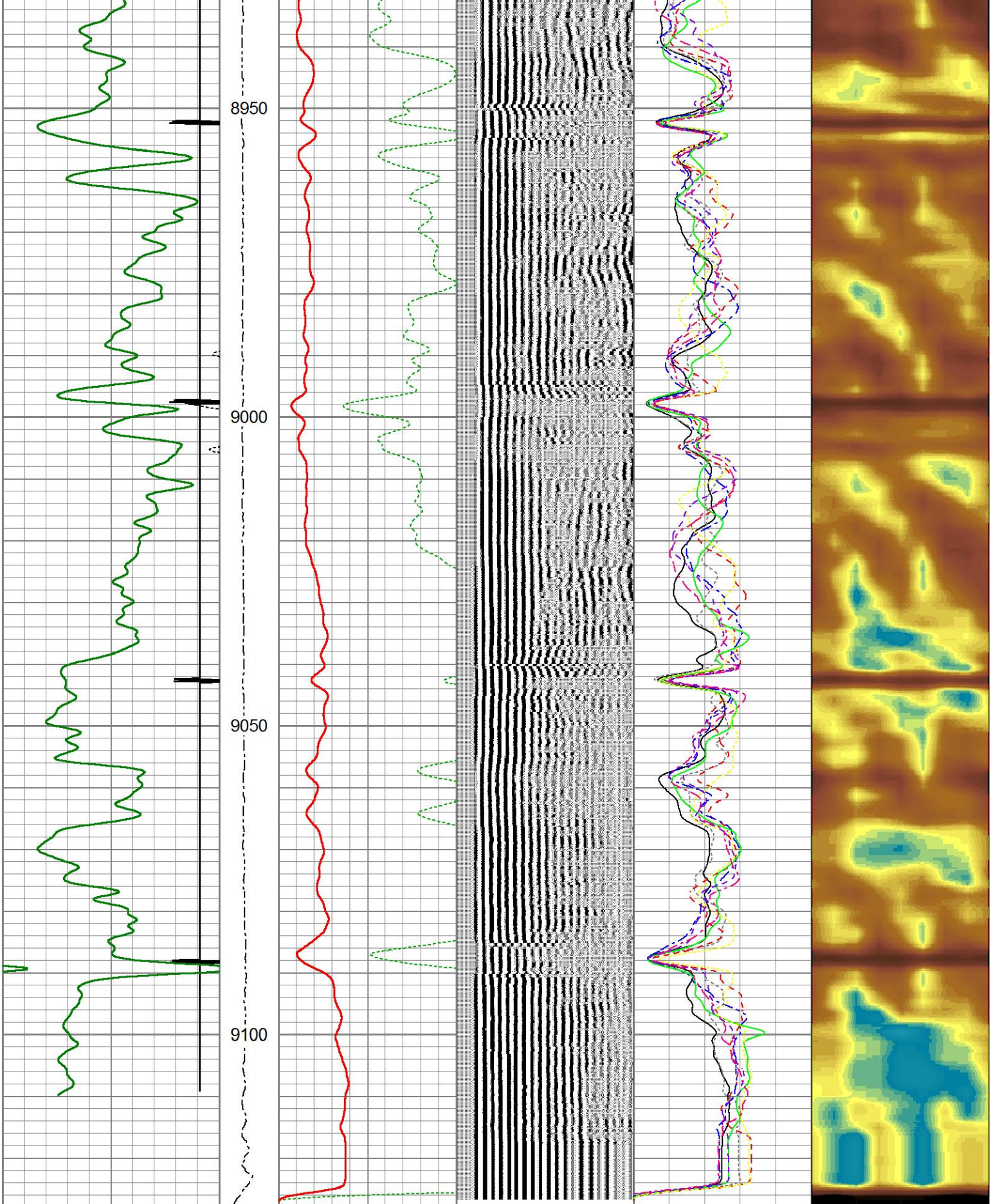












315	TT (usec)	215	LTEN	Amplified Amplitude	200	VDL (V)	1200	0	AMPS1	100	1	Sector Map	8
20	Collars	-2	(lb)	0 (mV)	20	200	PPT (usec)	1200	0	AMPS2	100	0	100
0	Gamma Ray	200	0 1500	0 Amplitude (mV)	100				0	AMPS3	100		
									0	AMPS4	100		
									0	AMPS5	100		
									0	AMPS6	100		
									0	AMPS7	100		
									0	AMPS8	100		



MAIN PASS

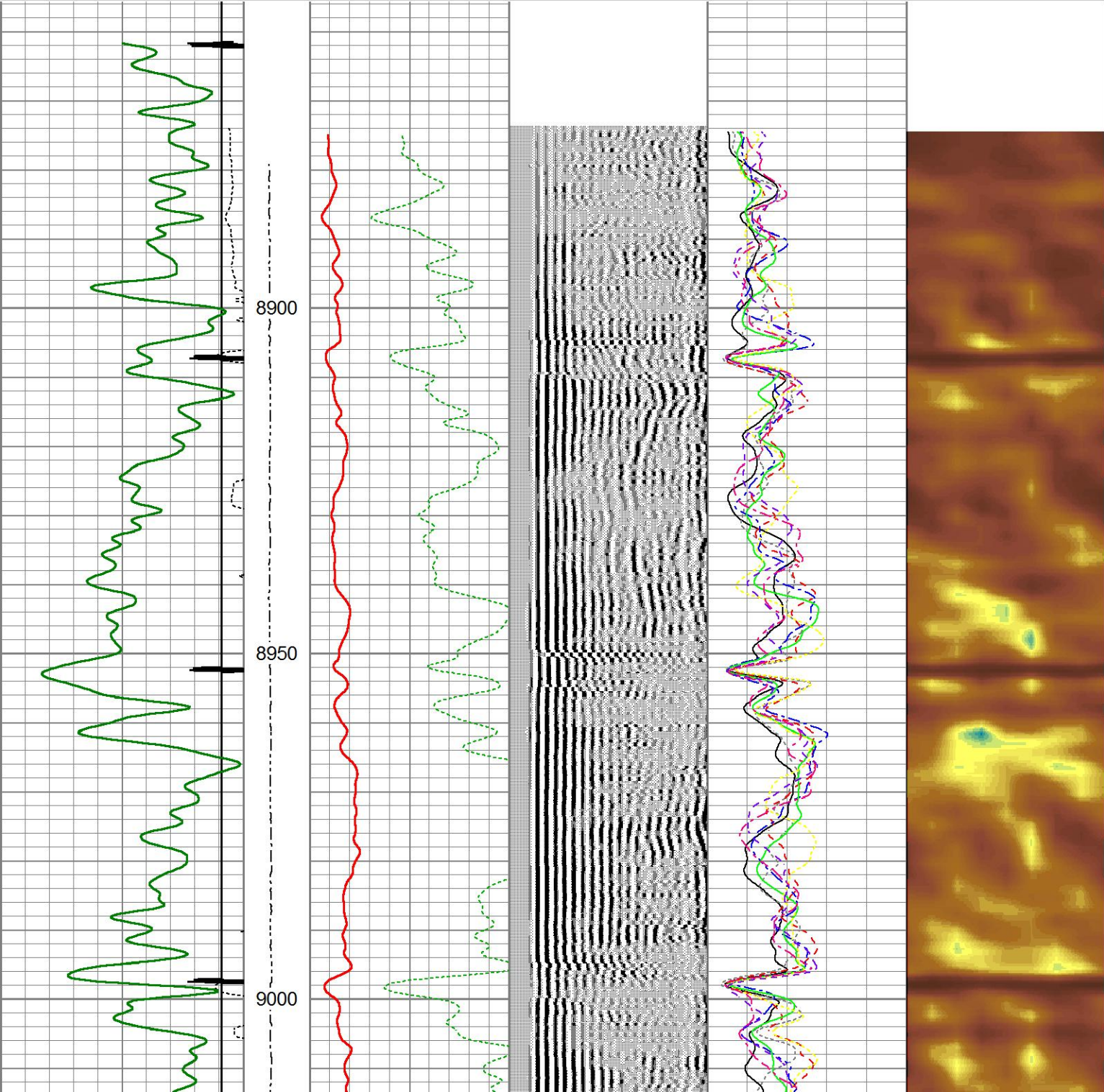


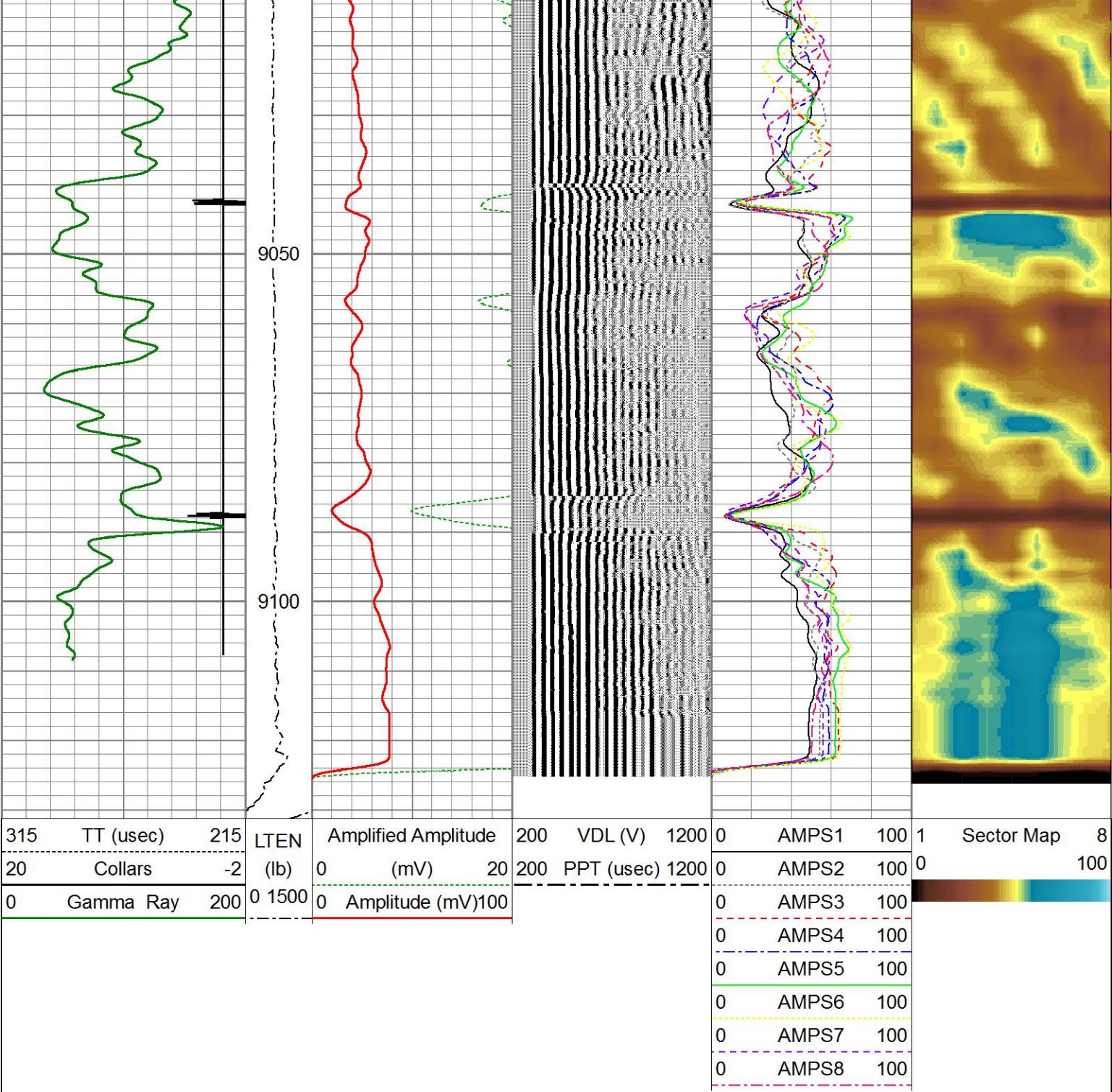
REPEAT PASS

SECTOR BOND LOG

Database File g:\caerus puckett pad day 1\puckett 33b-26 sbt\puckett 33b-26 sbt.db
Dataset Pathname pass15
Presentation Format sectors2
Dataset Creation Sat May 13 05:50:59 2017
Charted by Depth in Feet scaled 1:240

315	TT (usec)	215	LTEN	Amplified Amplitude	200	VDL (V)	1200	0	AMPS1	100	1	Sector Map	8
20	Collars	-2	(lb)	0 (mV)	20	200	PPT (usec)	1200	0	AMPS2	100	0	100
0	Gamma Ray	200	0 1500	0 Amplitude (mV)100					0	AMPS3	100		
									0	AMPS4	100		
									0	AMPS5	100		
									0	AMPS6	100		
									0	AMPS7	100		
									0	AMPS8	100		





REPEAT PASS

SECTOR BOND LOG

Calibration Report

Database File G:\CAERUS PUCKETT PAD DAY 1\PUCKETT 33B-26 SBT\PUCKETT 33B-26 SBT.db
Dataset Pathname pass16
Dataset Creation Sat May 13 05:55:56 2017

Segmented Cement Bond Log Calibration Report



Serial Number: SBTA330
Tool Model: SCBT2.7H
Performed: Sat May 13 05:22:03 2017

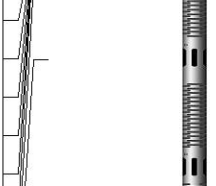
Depth: 590.340 ft
Casing Diameter: 5.500 in

	References (mv)		Readings (v)		Results	
	Zero	Reference	Zero	Reference	m	b
3'	0.600	80.000	-0.003	0.271	278.000	1.000
5'	0.600	80.000	0.003	0.640	122.428	1.022

S	0.000	80.000	-0.003	0.640	123.438	1.023
S1	0.000	85.000	-0.004	0.283	188.182	1.098
S2	0.000	85.000	-0.004	0.300	208.421	1.210
S3	0.000	85.000	-0.005	0.276	227.143	1.386
S4	0.000	85.000	-0.005	0.277	227.143	1.437
S5	0.000	85.000	-0.005	0.258	251.053	1.546
S6	0.000	85.000	-0.005	0.280	251.053	1.455
S7	0.000	85.000	-0.005	0.286	227.143	1.406
S8	0.000	85.000	-0.004	0.269	230.000	1.349

Gamma Ray Calibration Report						
Serial Number:		GRBA 160				
Tool Model:		GRBA2.7H				
Performed:		Thu Mar 09 10:01:02 2017				
Calibrator Value:		140.0				
Background Reading:		20.0	cps			
Calibrator Reading:		280.0	cps			
Sensitivity:		0.7000	/cps			

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
CCL	23.43		CabIHD-Weatherford 1 7/16 Cable Head	1.00	1.44	5.00
			CENT-CEN-A SBT Centralizer 2-3/4" Single Pin (4 Bowspring)	2.50	2.75	11.90
			CCLL-CTBA2.7H (CTBA 224) 2-3/4" 350F/20K PSI Weatherford Logging CCL/Telemetry (6Pin Bottom)	3.40	2.75	
GR	19.82		GR-GRBA2.7H (GRBA 160) 2 3/4" 350F/20K PSI Weatherford Gamma Ray (6Pin)	4.76	2.75	40.00
			CENT-CEN-B SBT Centralizer 2-3/4" 6Pin (4 Bowspring)	3.08	2.75	23.80
WVFS8	7.70		SCBT-SCBT2.7H (SBTA330) 2 3/4" 350F/20K PSI Weatherford Sector Bond Tool	10.29	2.75	90.00
WVFS7	7.70					

WVFS6	7.70						
WVFS5	7.70						
WVFS4	7.70						
WVFS3	7.70						
WVFS2	7.70						
WVFS1	7.70						
WVF3FT	7.20						
WVF5FT	6.22						
WVFSYNC	2.71						
WVFCAL	2.71						
		CENT-CEN-A SBT Centralizer 2-3/4" Single Pin (4 Bowspring)	2.50	2.75	11.90		
		BullPlug-BullPlug 1.69	0.21	2.75	2.00		
Dataset: PUCKETT 33B-26 SBT.db: field/well/run1/pass16 Total length: 27.74 ft Total weight: 184.60 lb O.D.: 2.75 in							