

Company: Occidental Petroleum Corporation

Well: Mead Place 12-22

Field: Wattenberg

County: Weld Country: United States

Isolation Scanner
Cement Evaluation
Gamma Ray - CCL Log

County: Weld
Field: Wattenberg
Location: NESW
Well: Mead Place 12-22
Company: Occidental Petroleum Corporation

Location:	NESW	Elev.:	K.B.	4991.00 ft
			G.L.	4981.00 ft
Permanent Datum:			D.F.	4991.00 ft
Log Measured From:	Ground Level	Elev.:	4981.00 f	
Drilling Measured From:	Kelly Bushing		above Perm. Datum	
API Serial No.	Max. Hole Deviation	Longitude:	Latitude:	
05-123-30072	-104.99283 degrees	40.208572 degrees		

Logging Date	15-Sep-2022
Run Number	One
Depth Driller	7565.00 ft
Schlumberger Depth	7565.00 ft
Bottom Log Interval	6800.00 ft
Top Log Interval	60.00 ft
Casing Fluid Type	Water
Salinity	
Density	8.34 lbm/gal
Fluid Level	8.00 ft
BIT/CASING/TUBING STRING	
Bit Size	7.88 in
From	540.00 ft
To	7565.00 ft
Casing/Tubing Size	4.5 in
Weight	11.6 lbm/ft
Grade	N/A
From	0.00 ft
To	7553.00 ft
Max. Recorded Temperatures	205 degF
Logger on Bottom	15-Sep-2022 12:34:00
Unit Number	OSLC-HA9115 Fort Morgan
Recorded By	D. Hassan
Witnessed By	Travis Rothe

Disclaimer

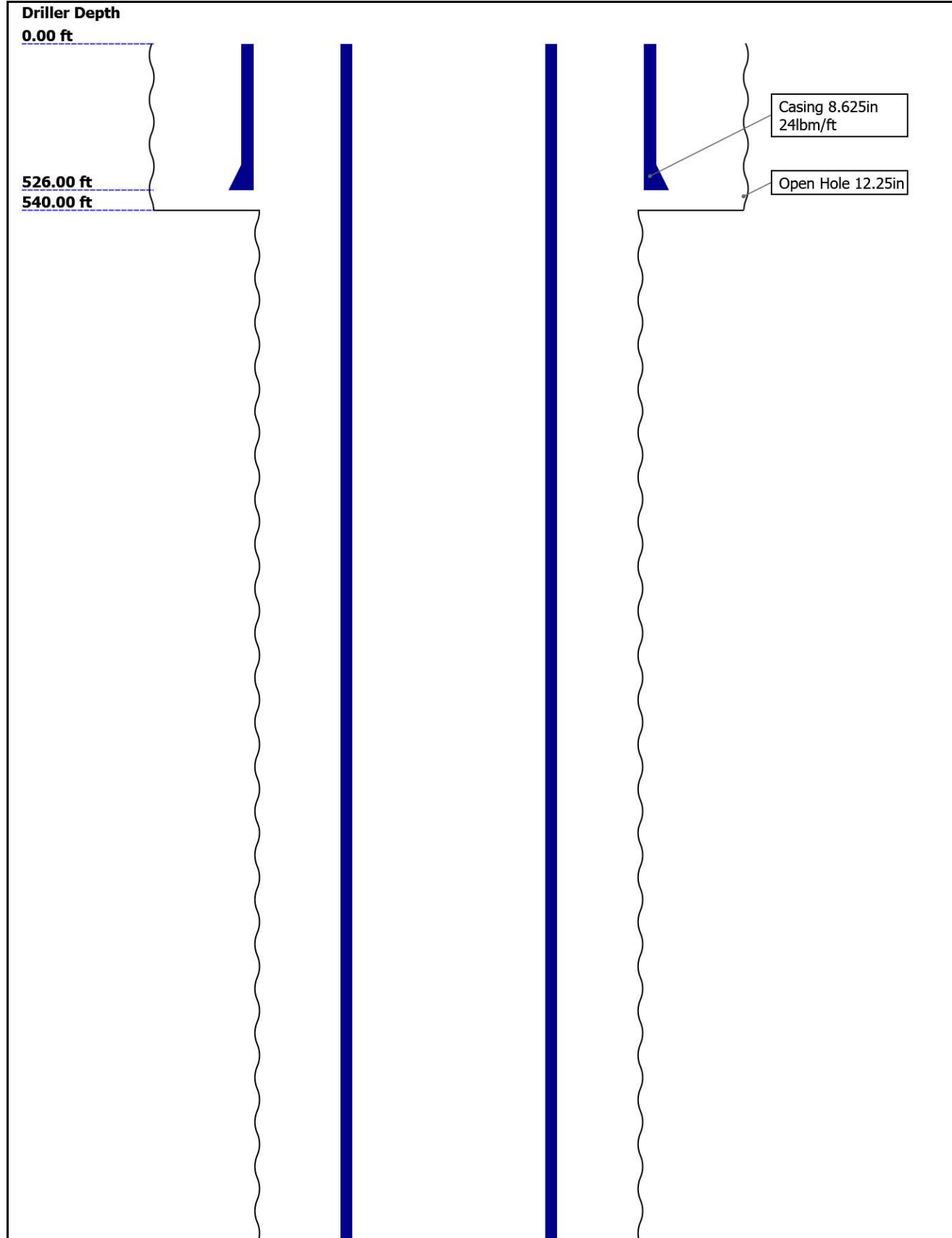
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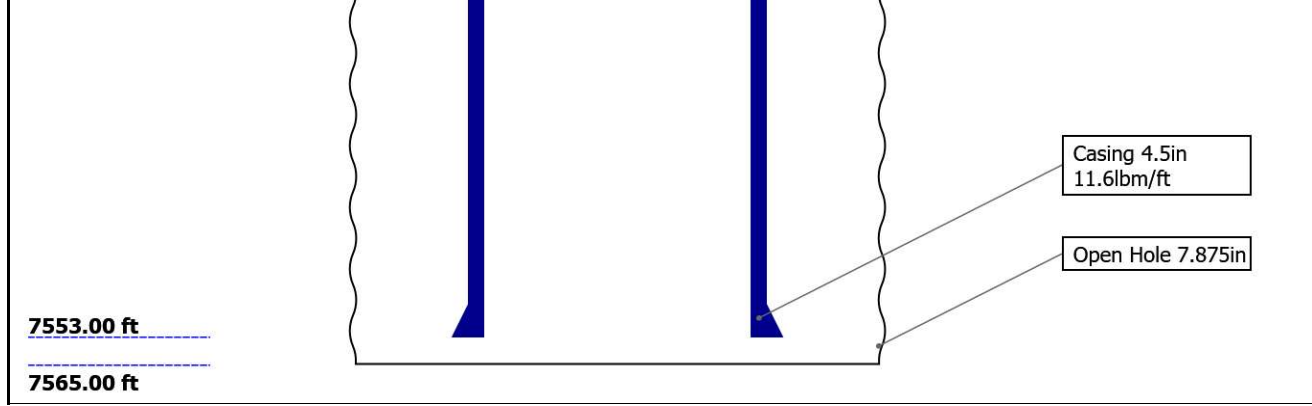
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 - 11.2 Software Version
 - 11.3 Composite Summary

Well Sketch





Borehole Size/Casing/Tubing Record

Bit					
Bit Size (in)	12.25	7.875			
Top Driller (ft)	0	540			
Top Logger (ft)	0	540			
Bottom Driller (ft)	540	7565			
Bottom Logger (ft)	540	7565			
Casing					
Size (in)	8.625	4.5			
Weight (lbm/ft)	24	11.6			
Inner Diameter (in)	8.097	4			
Grade	J55	N/A			
Top Driller (ft)	0	0			
Top Logger (ft)	0	0			
Bottom Driller (ft)	526	7553			
Bottom Logger (ft)	526	7553			

Remarks and Equipment Summary

One: Toolstring

One: Remarks

Equip name length
LEH-QT 49.07
 LEH-QT

MP name Offset

EDTC-B: 45.58
8624
 EDTH-B
 EDTG-A
 EDTC-B:
 8624

ASLT-B: 39.08
8073
 ASLT-BB
 :8073



CTEM 42.08
 ACCZ 0.00
 HV 0.00
 Gamma 40.21
 a Ray
 TelSta 39.08
 tus

CBL_U 32.55
 P

Thank you for choosing Schlumberger

Log run for cement and casing evaluation

IBCS-A sub used with ICE-GB

Tool was run as per tool sketch

Log run under 500 psi

Crew: Jesse Medrano, Andrew Rothleitner



CME-AF 24.43

AH-184 [2] 20.64

AH-184 [1] 18.64

USIT-E 16.64

ECH-MFA
:1964
USAC-A
USIS-A:1
832
USSC-B
IBCS-A:7
98
FAR-SEN
SOR:1750
ICE-BB
NEAR-SE
NSOR:17
66
ICE-BB
USI-SEN
SOR:1727
ICE-GB
EMITTER
-SENSOR
:1758
ICE-BB

USI Se nsor Head Tension 0.84
TOOL_ZERO

Lengths are in ft
Maximum Outer Diameter = 3.800 in
Line: Sensor Location, Value: Gating Offset
All measurements are relative to TOOL_ZERO

Depth Summary

One

Depth Measuring Device

Type	IDW-B
Serial Number	
Calibration Date	
Calibrator Serial Number	
Calibration Cable Type	
Wheel Correction 1	0
Wheel Correction 2	0

Tension Device

Type	CMTD-B/A		
Serial Number			
Calibration Date			
Calibrator Serial Number			
Number of Calibration Points	0		

Logging Cable			
Type	7-46ZVI-XS		
Serial Number	1234		
Length	24000.00 ft		
Conveyance Type	Wireline		
Rig Type	Workover rig		

One:Depth Control Parameters		Depth Control Remarks
Log Sequence	First Log In the Well	Schlumberger depth control procedures followed
Rig Up Length At Surface		IDW used as primary depth control system
Rig Up Length At Bottom		Z-Chart used as secondary depth control system
Rig Up Length Correction		
Stretch Correction		
Tool Zero Check At Surface		

USIT - Fluid Properties Measurement

Run Name	Pass Name	Start Depth(ft)	Stop Depth(ft)
Run 1	Log[2]:Down	629.48	6098.67

Fluid Velocity = "Automatic".
CFVL equals DFSL channel

Start Depth(ft)	Stop Depth(ft)	Start Value(us/ft)	End Value(us/ft)
-----------------	----------------	--------------------	------------------

Mud Impedance = "Theoretical".
CZMD uses theoretical results.
MUD_N_THE=1.20
DFD=1.00g/cm3(8.34lbm/gal)

Start Depth(ft)	Stop Depth(ft)	Start Value(Mrayl)	End Value(Mrayl)
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One

IBC SLG

Software Version

Acquisition System		Version
Maxwell 2022.1		12.1.217729.3100
Application Patch		Wireline_Hotfix-Mandatory-2022.1_12.1.220287 Wireline_NPD-ThruBit-2022.1_12.1.219291

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
One	Log[6]:Up	Up	73.05 ft	6813.94 ft	15-Sep-2022 11:50:25 AM	15-Sep-2022 1:36:36 PM	ON	13.02 ft	No

All depths are referenced to toolstring zero

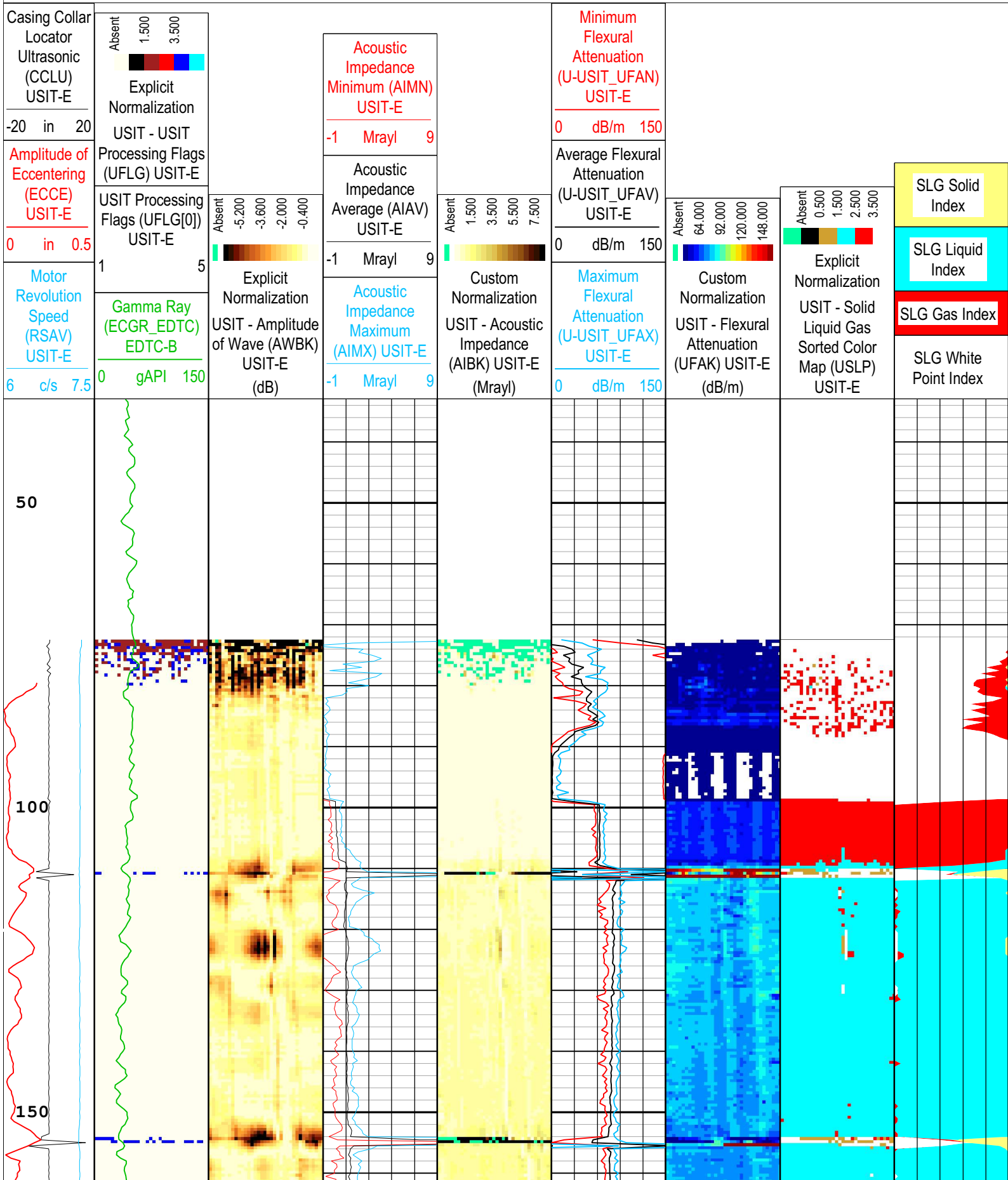
Log	Company:Occidental Petroleum Corporation	Well:Mead Place 12-22
		One: Log[6]:Up:S010

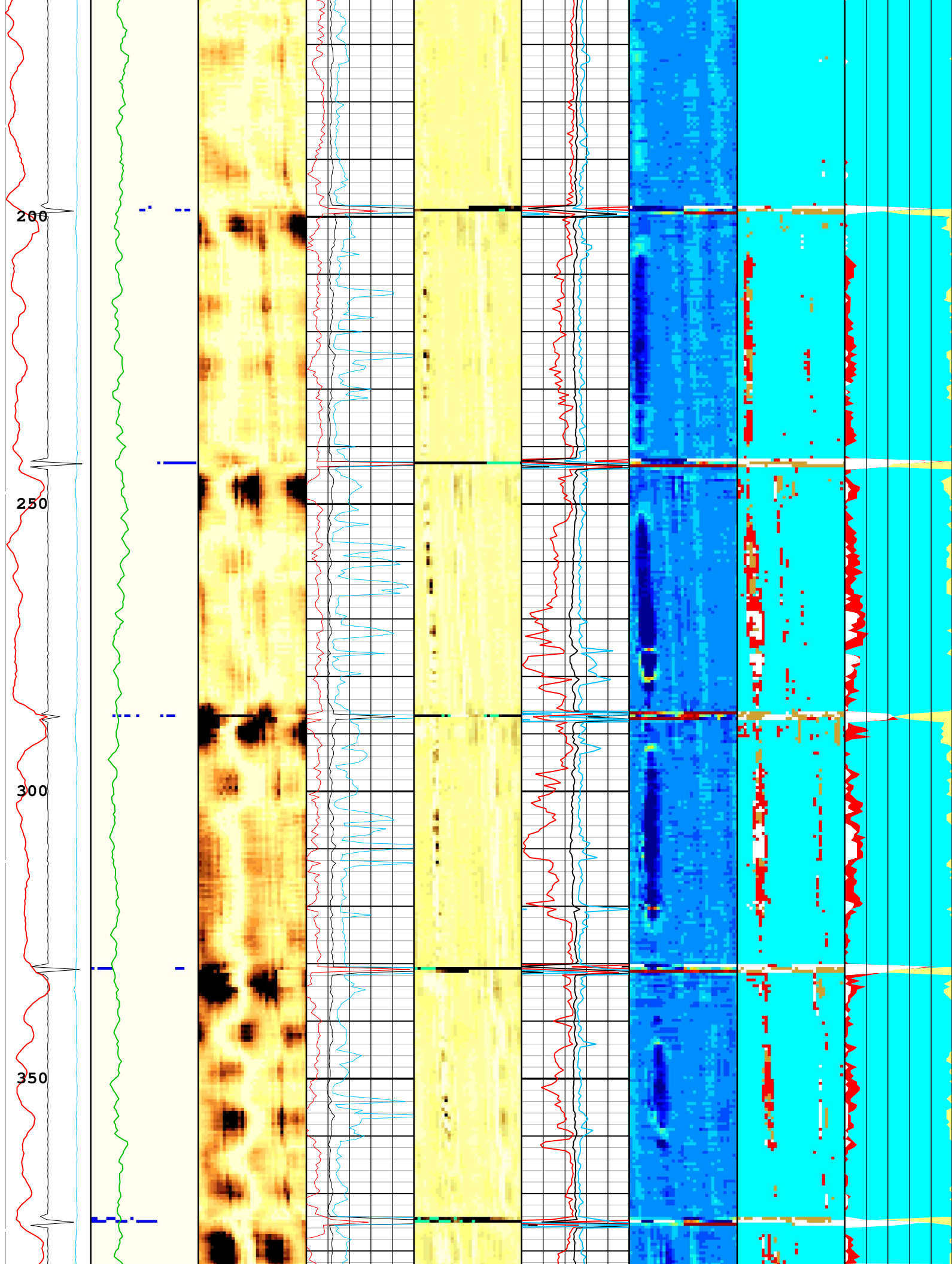
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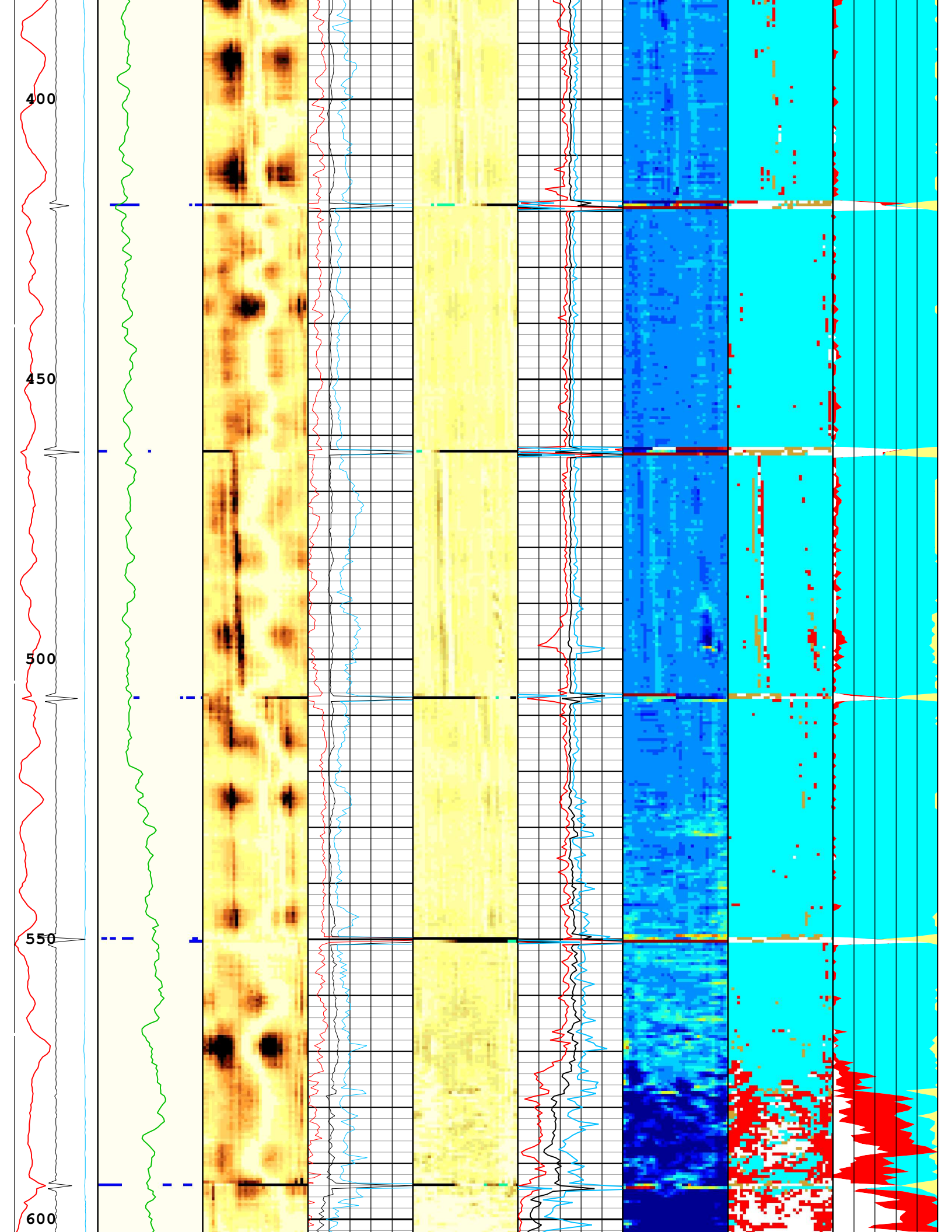
TIME_1900 - Time Marked every 60.00 (s)

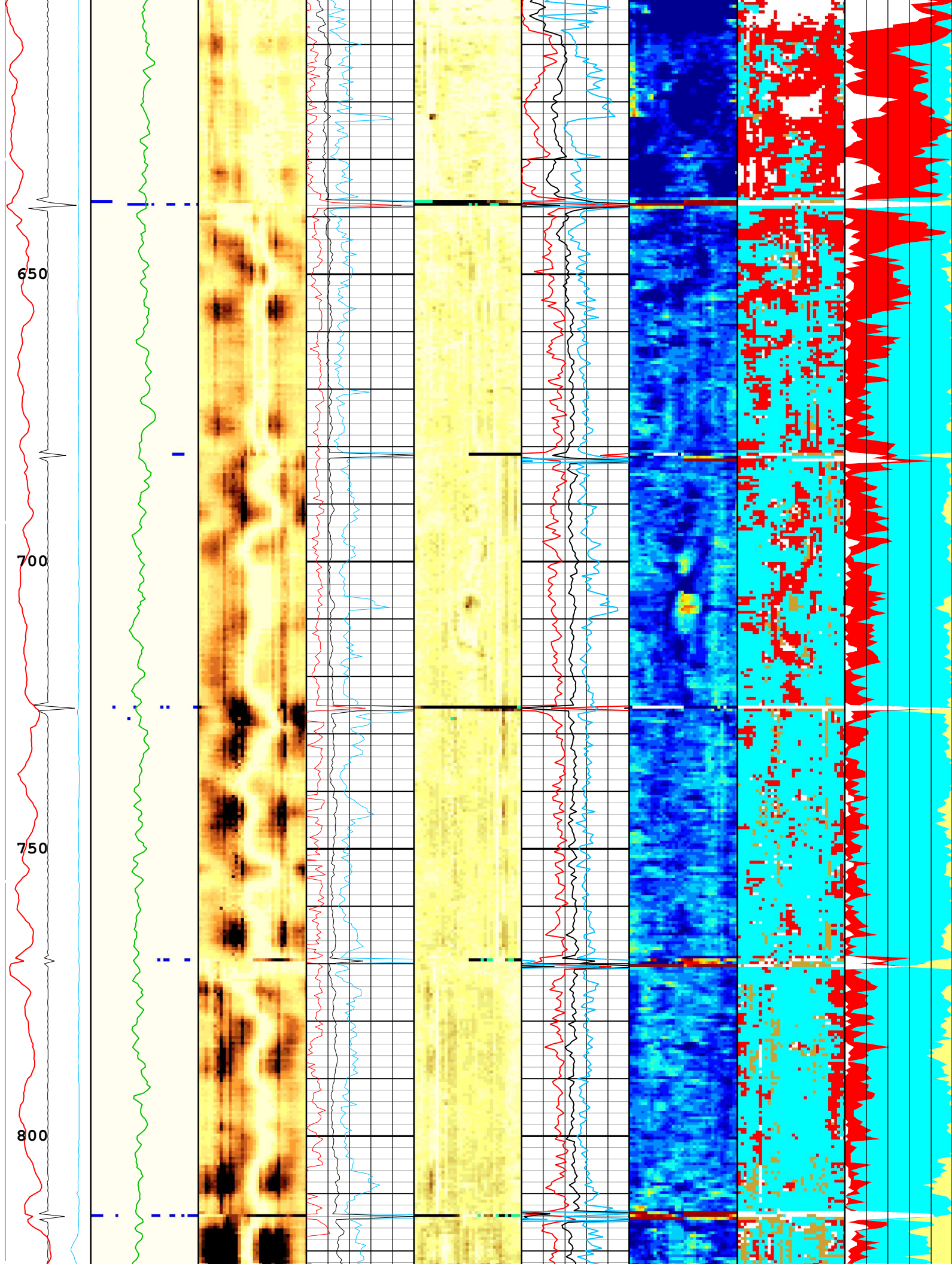
USIT Processing Flags (UFLG[0]) USIT-E
 1 - UFLG 1 Value within [0.0 - 1.5] - :
 2 - UFLG 2 Value within [1.5 - 2.5] - :
 3 - UFLG 3 Value within [2.5 - 3.5] - :
 4 - UFLG 4 UFLG 5 UFLG 6 Value within [3.5 - 6.5] - :
 5 - UFLG 7 UFLG 8 UFLG 9 Value within [6.5 - 10] - :

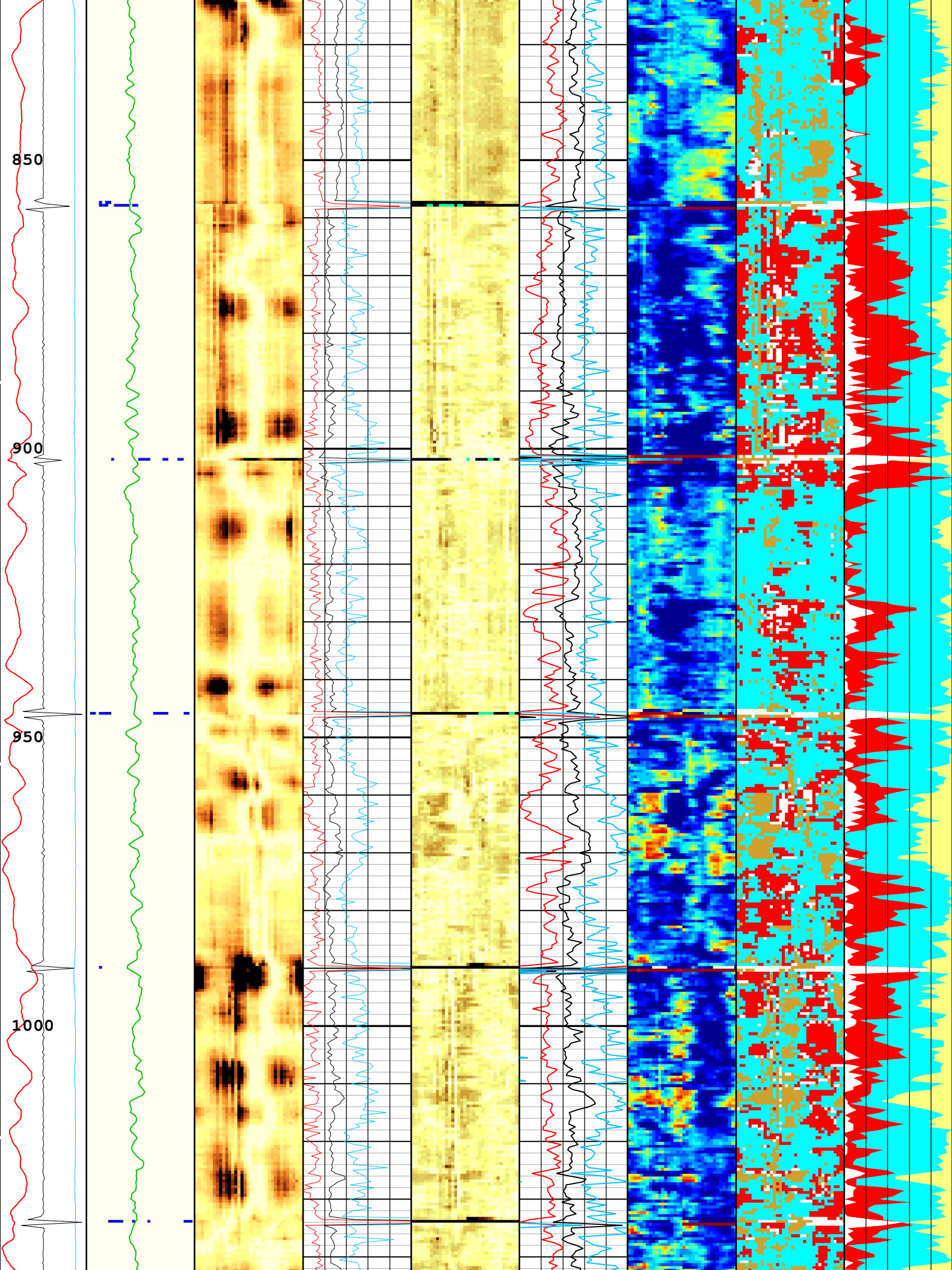
- UTIM Error
- Pulse Origin Not Detected
- WINLEN Error
- Casing Thickness Error
- Loop Processing Error

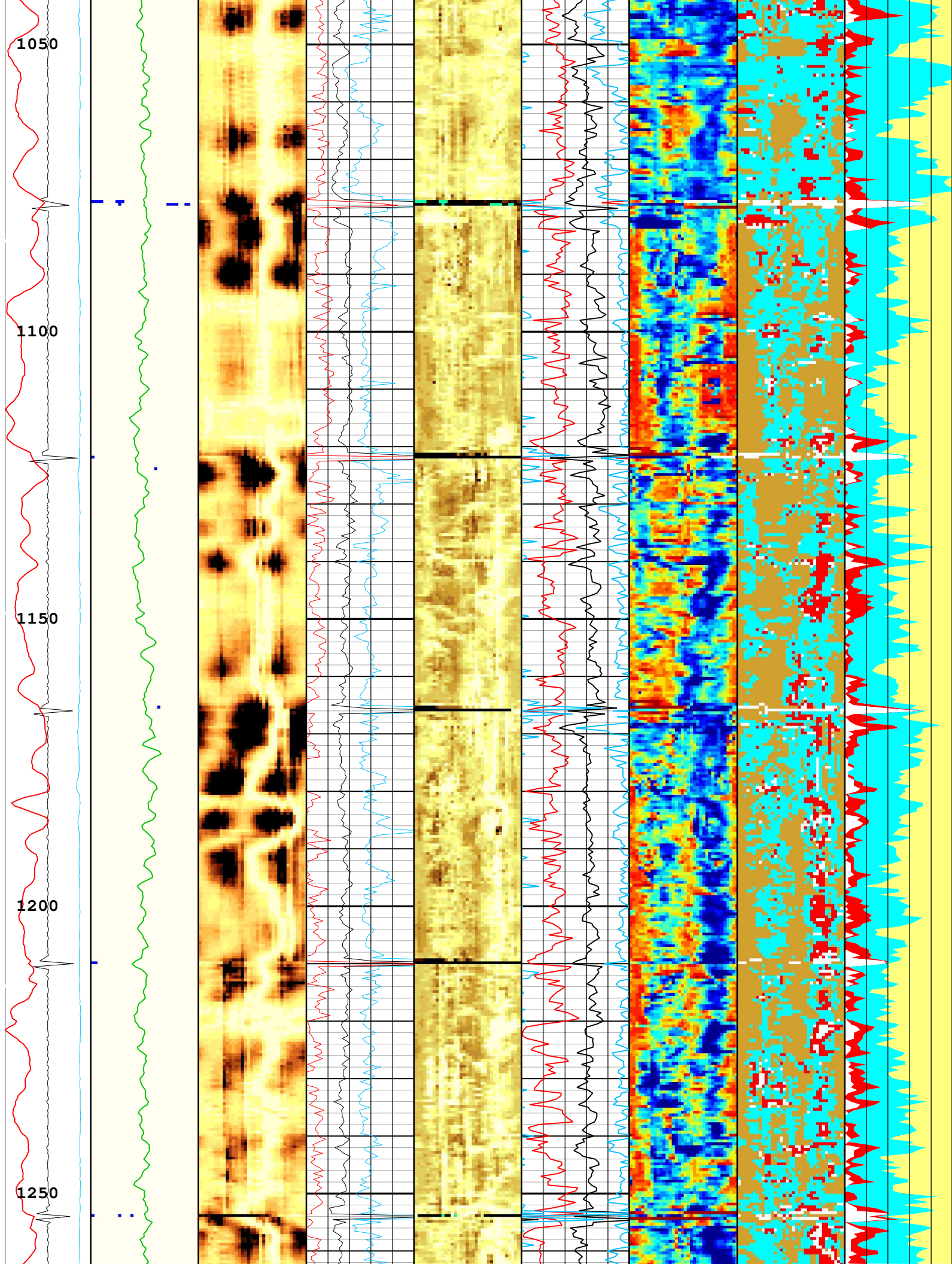


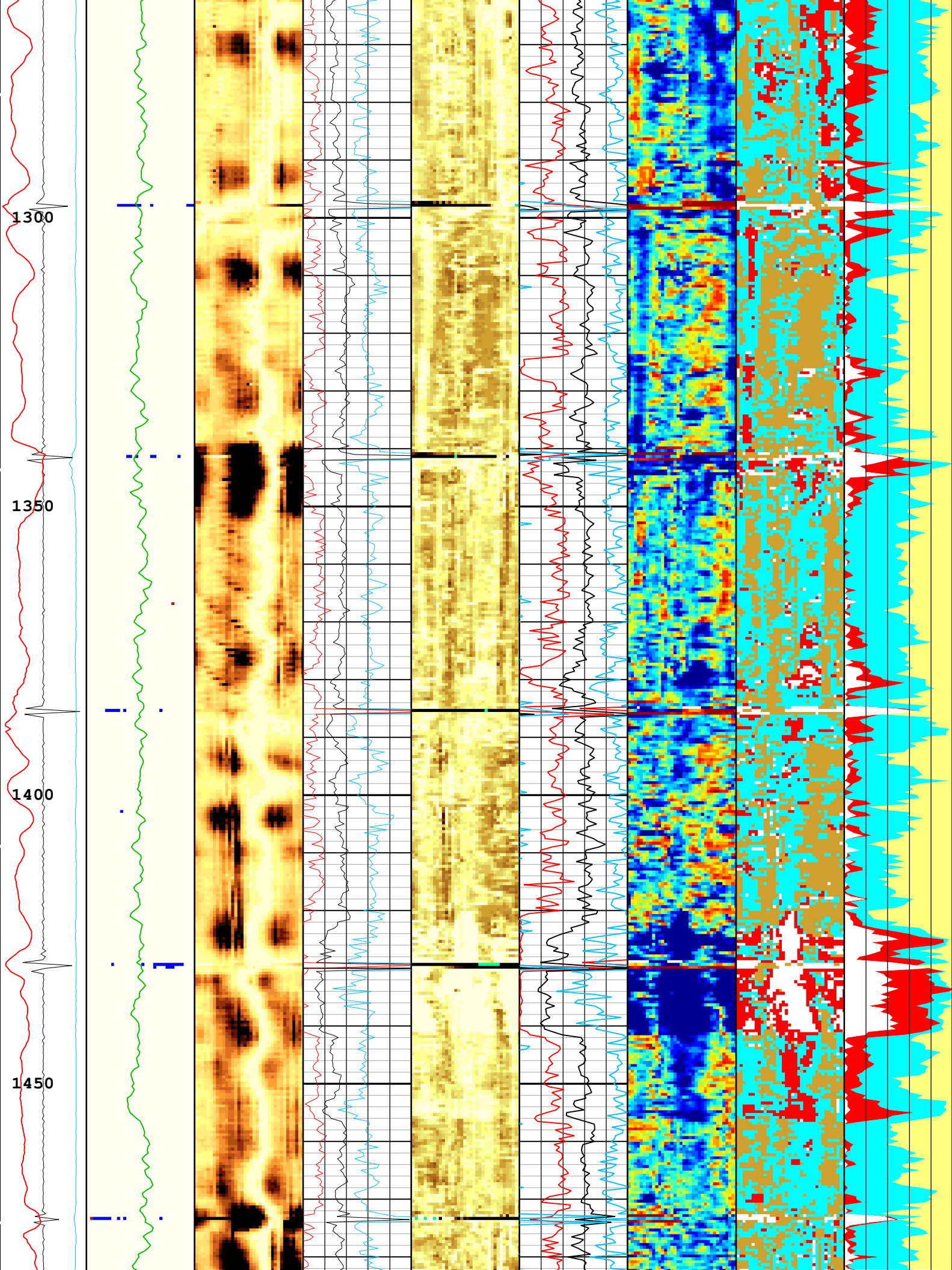


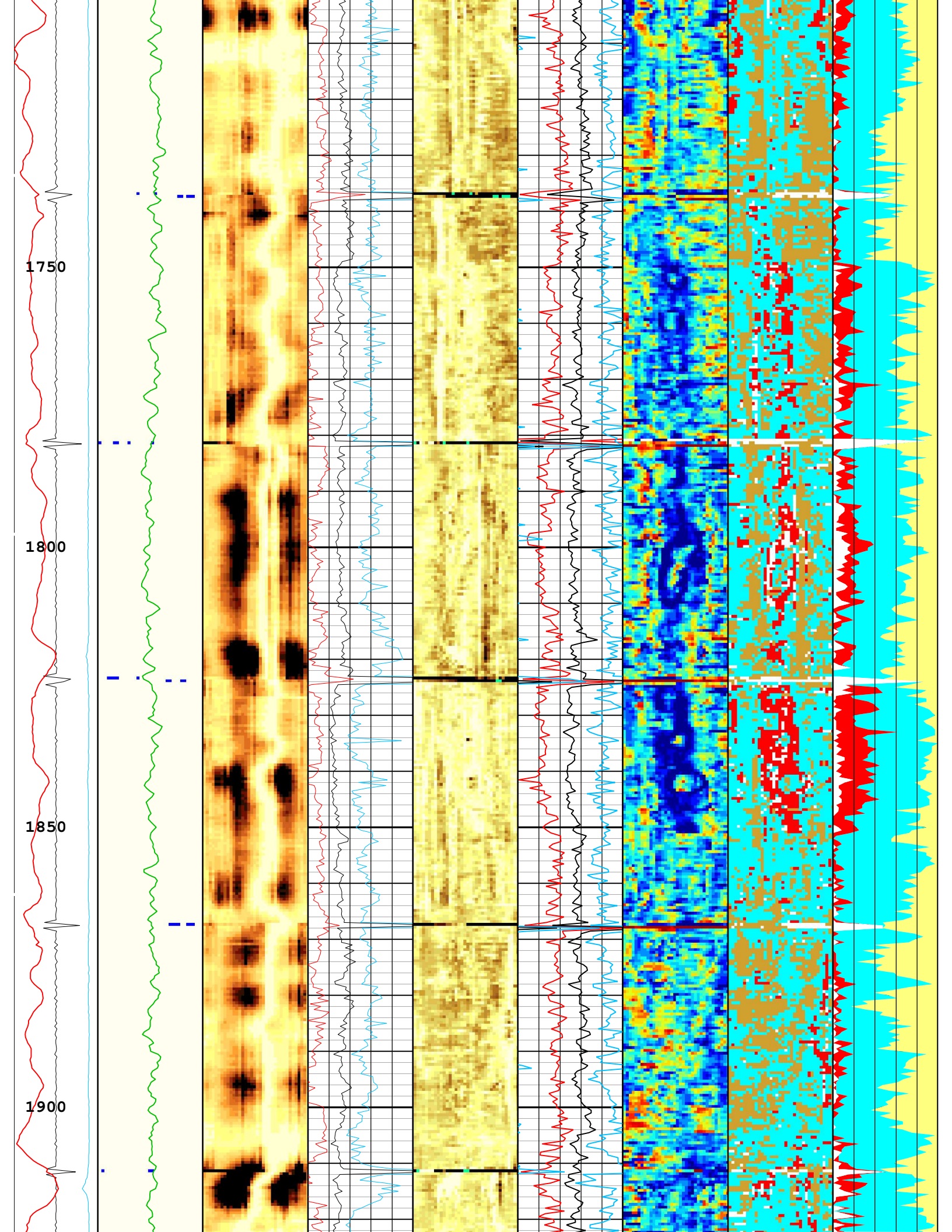


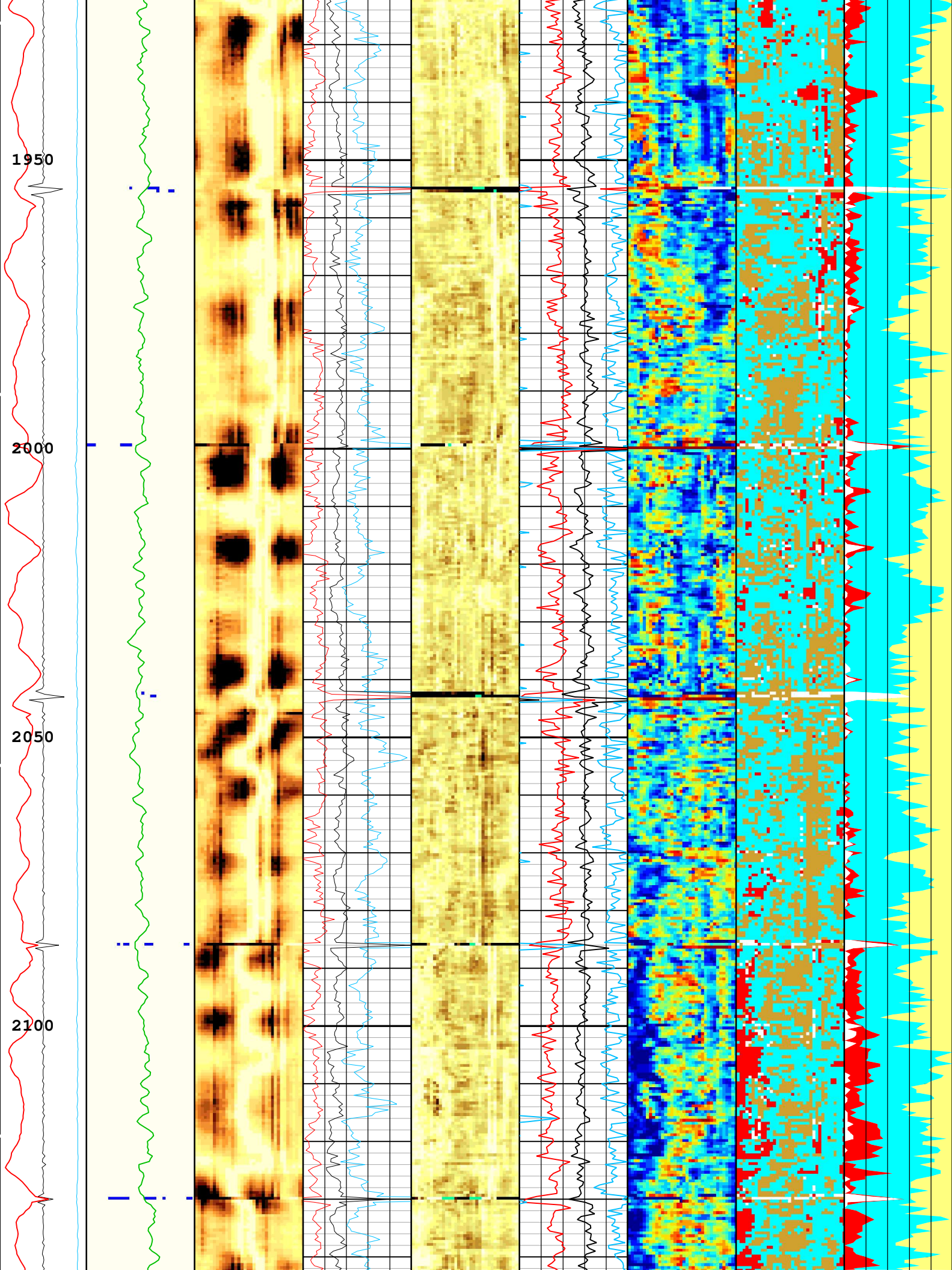


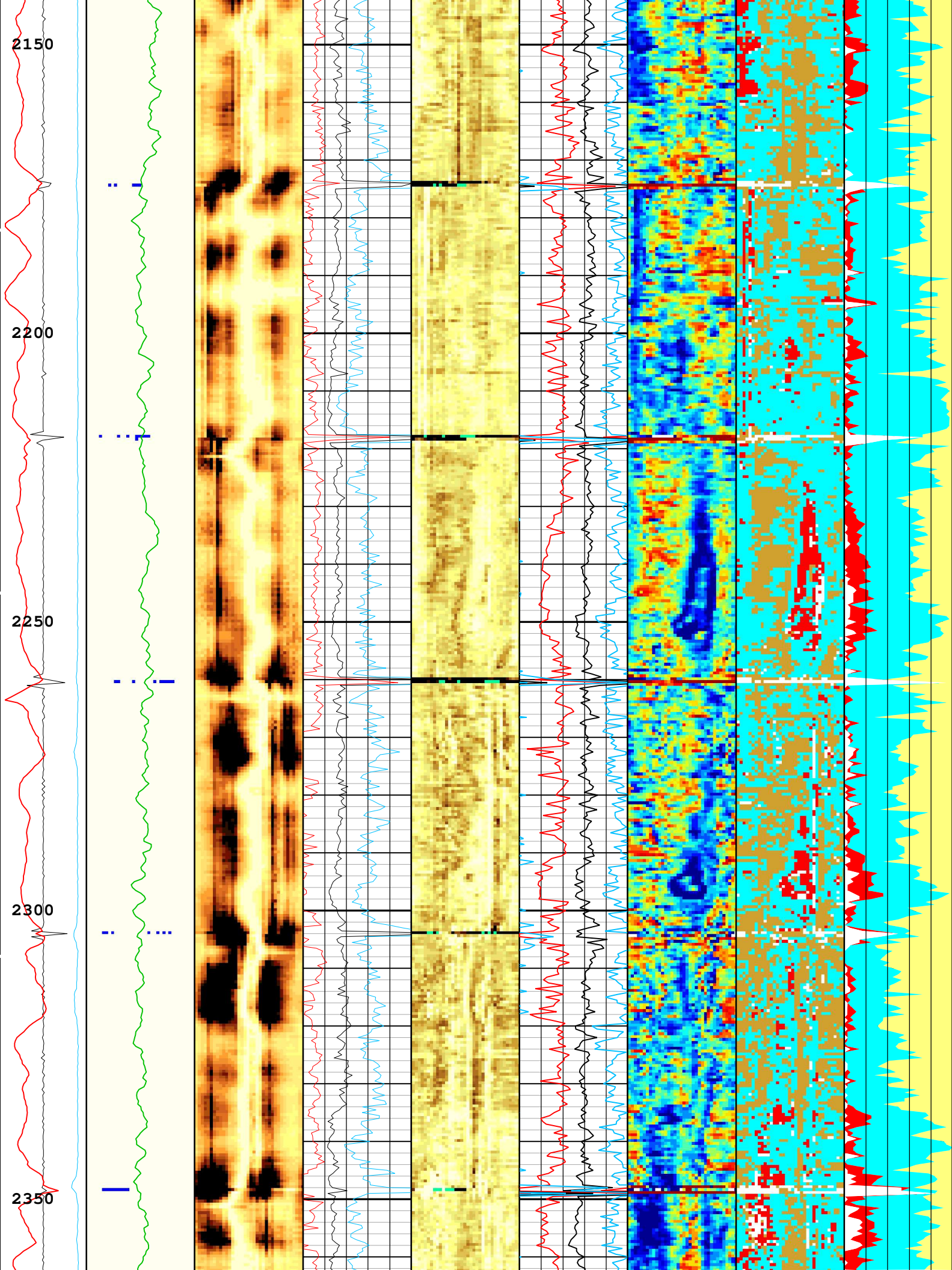


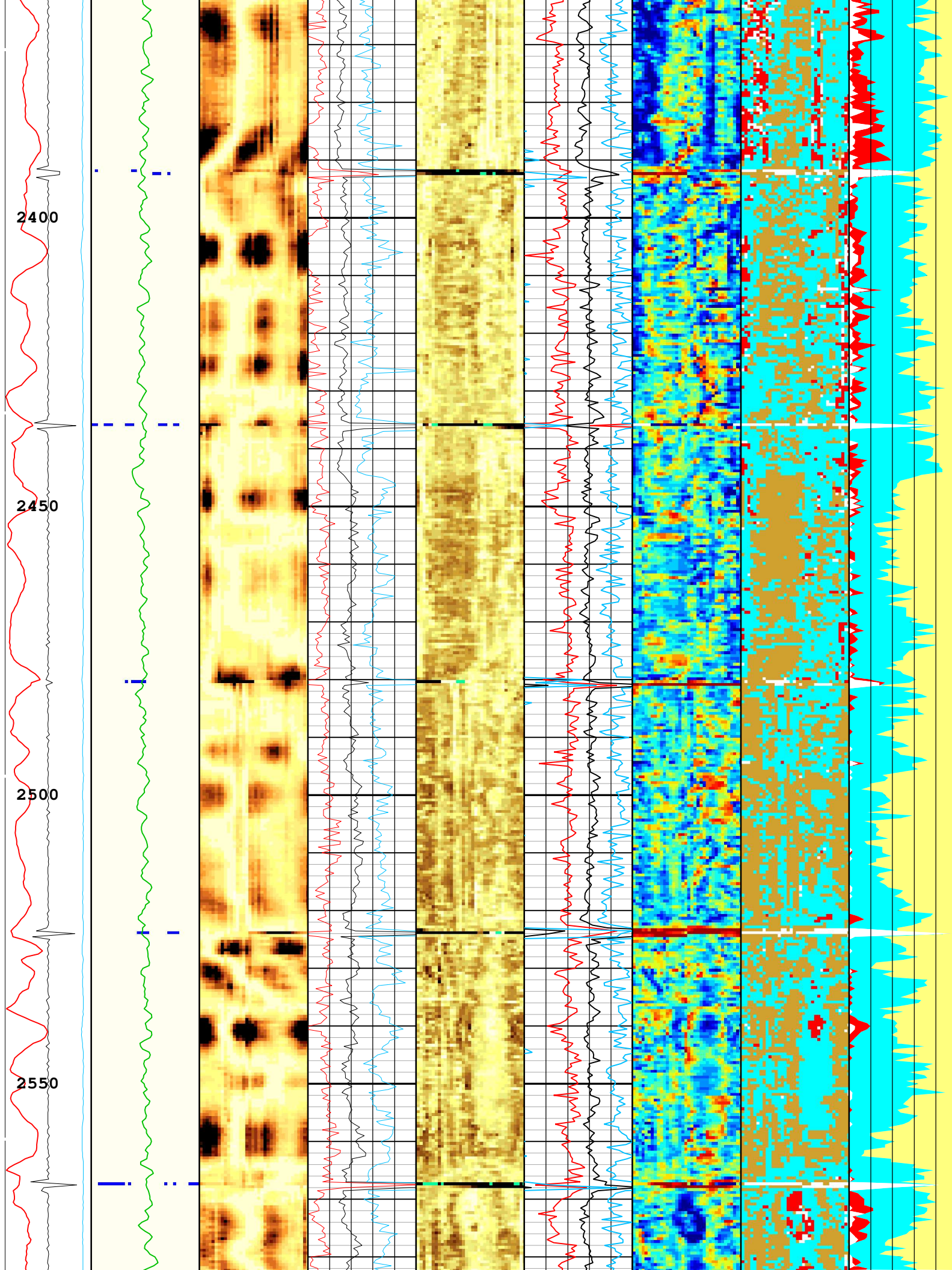


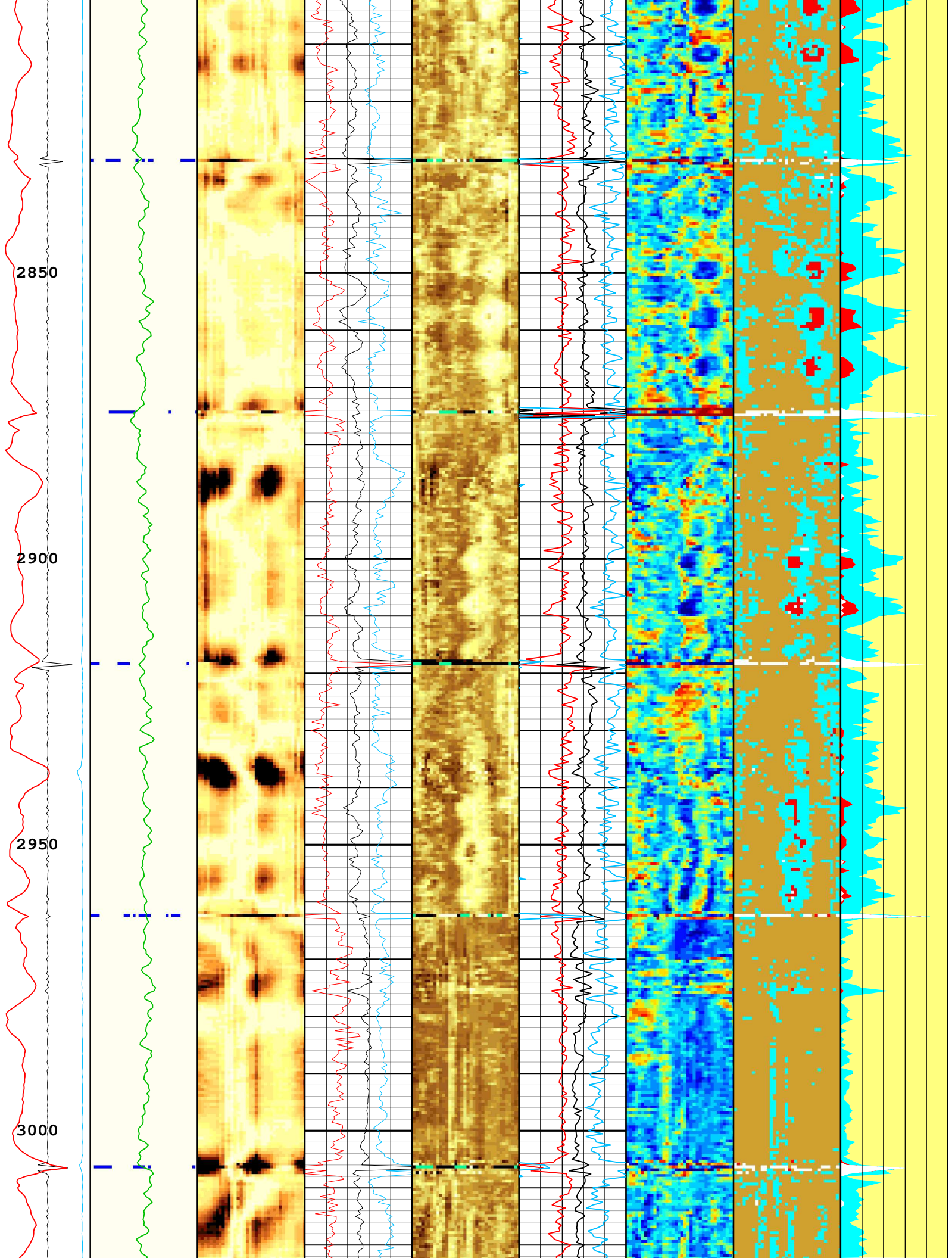


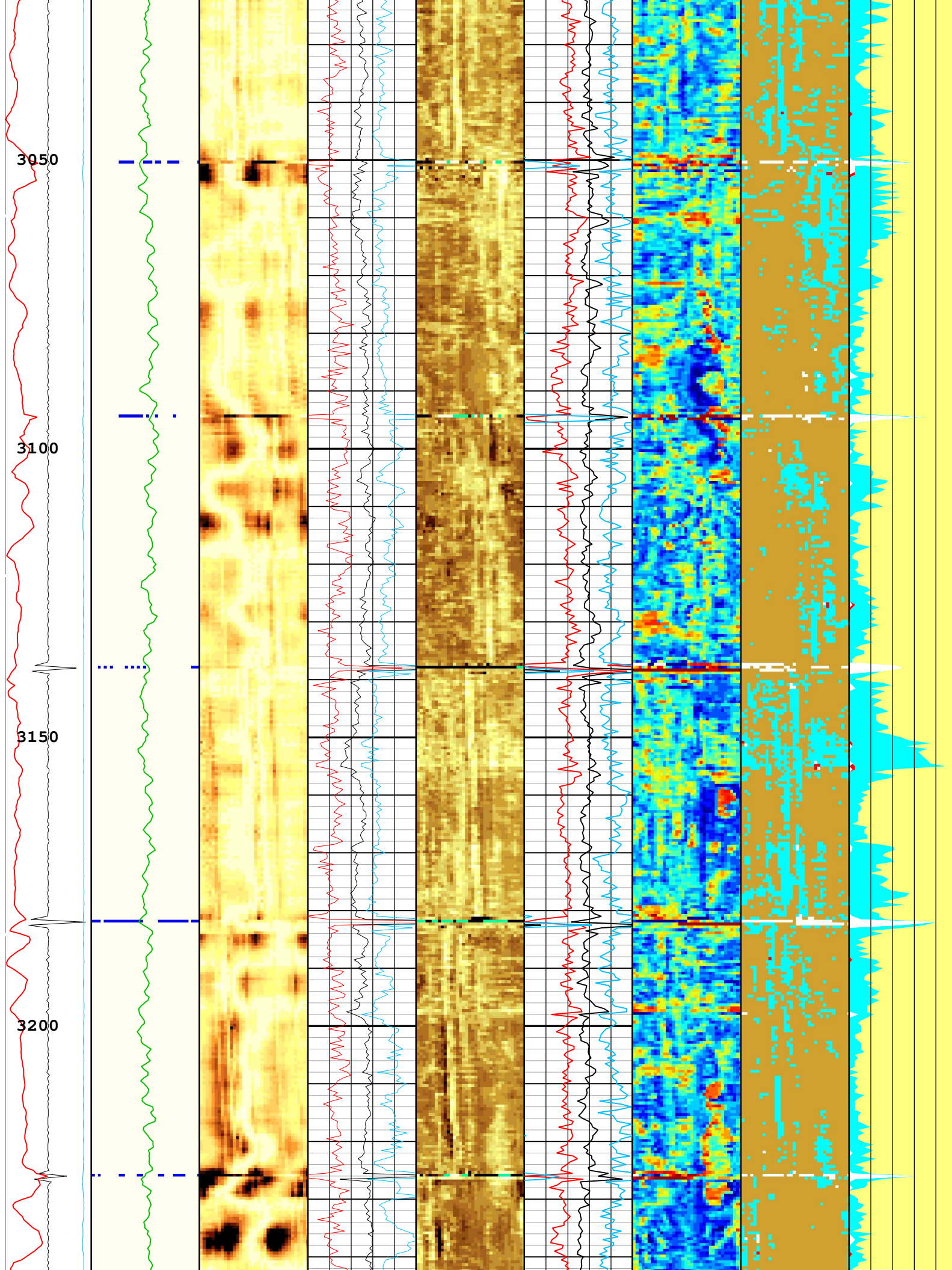


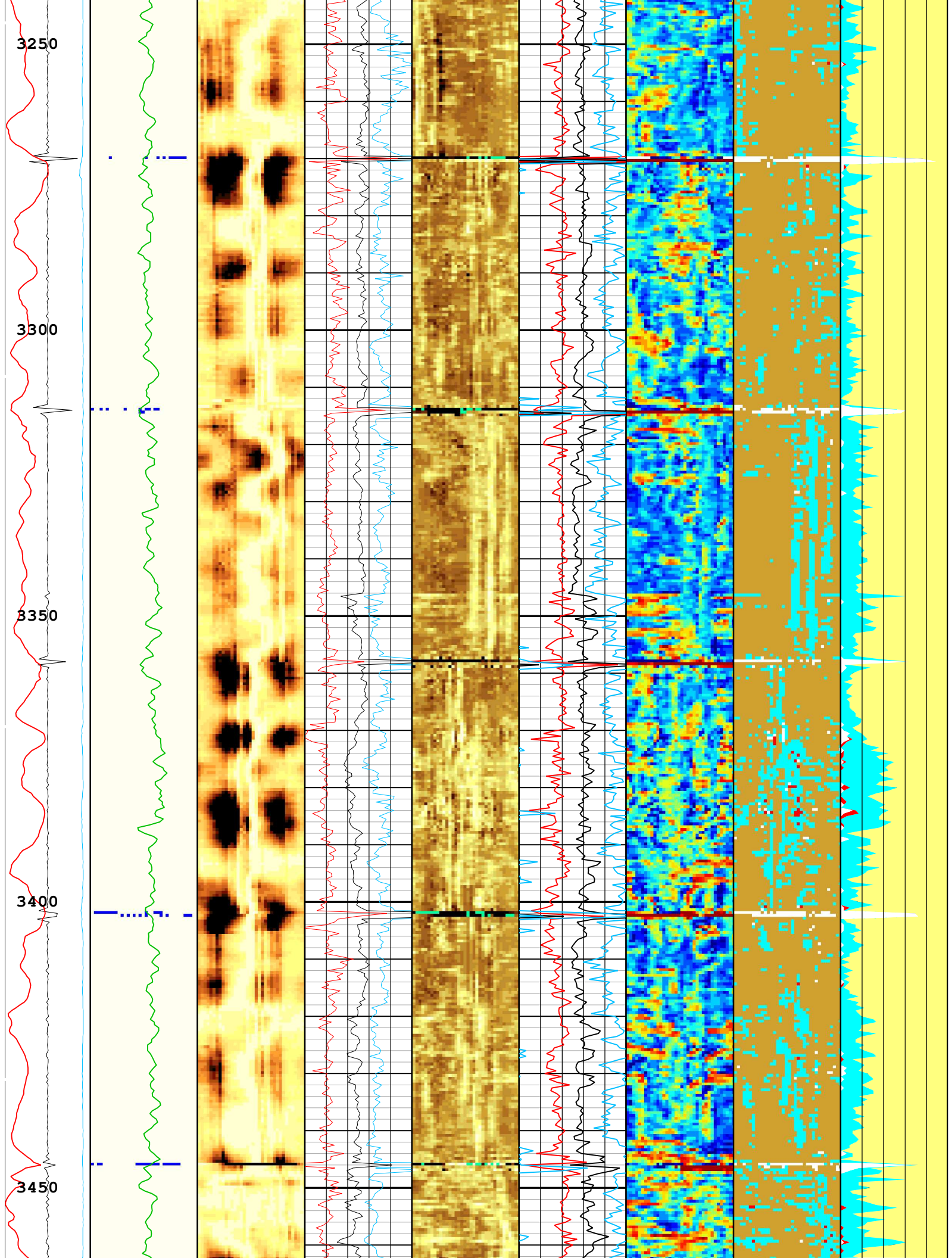


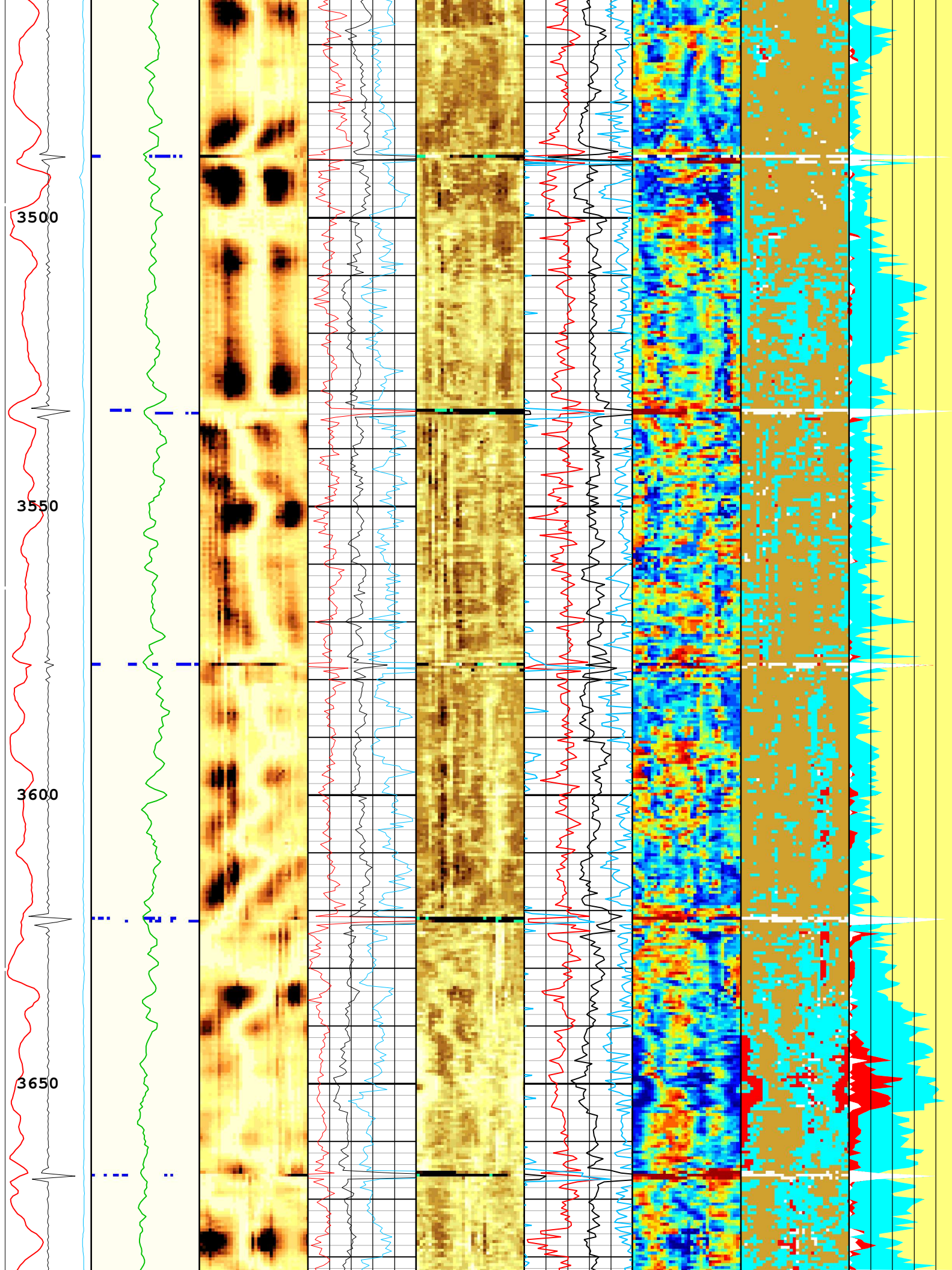


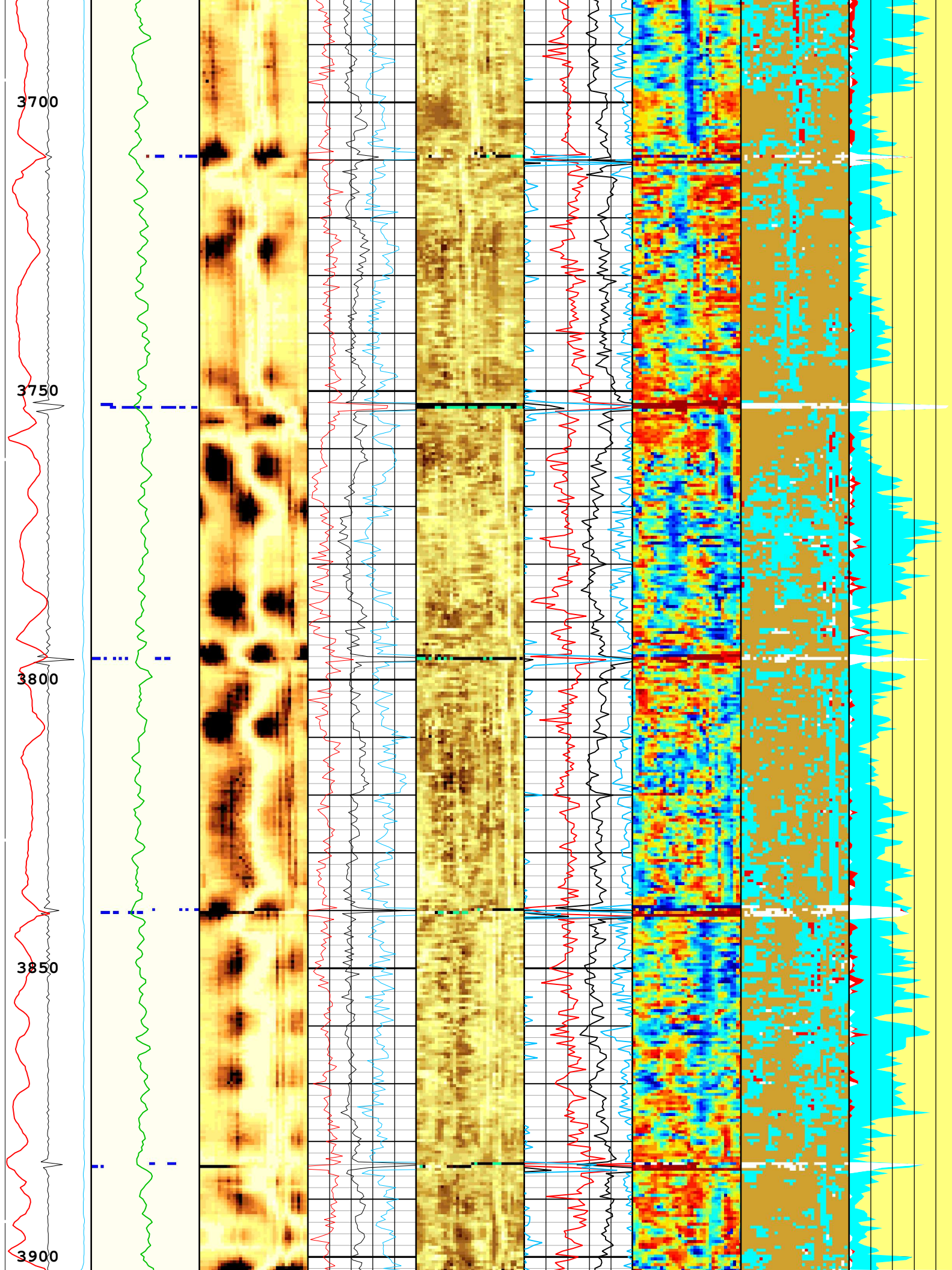


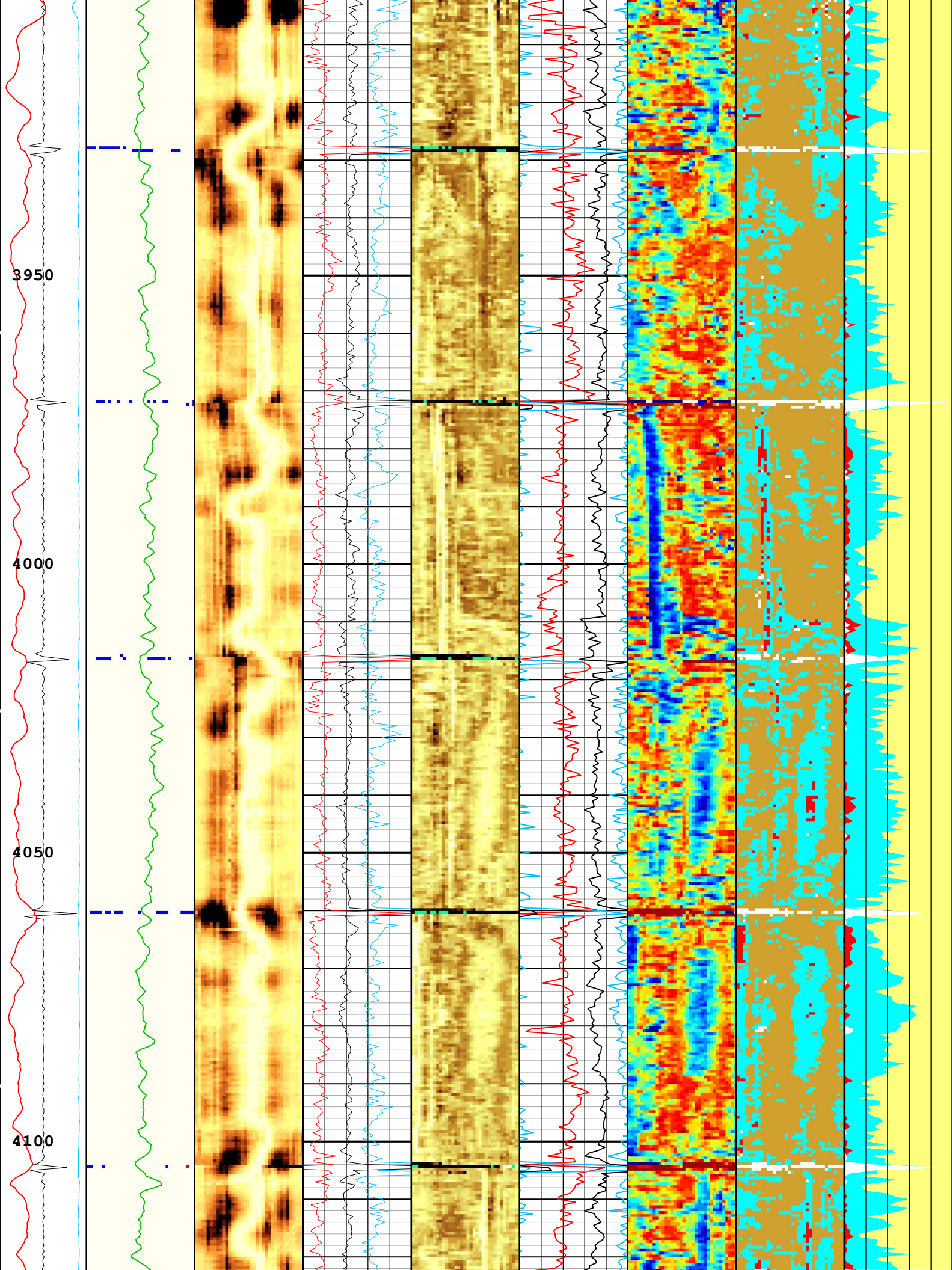


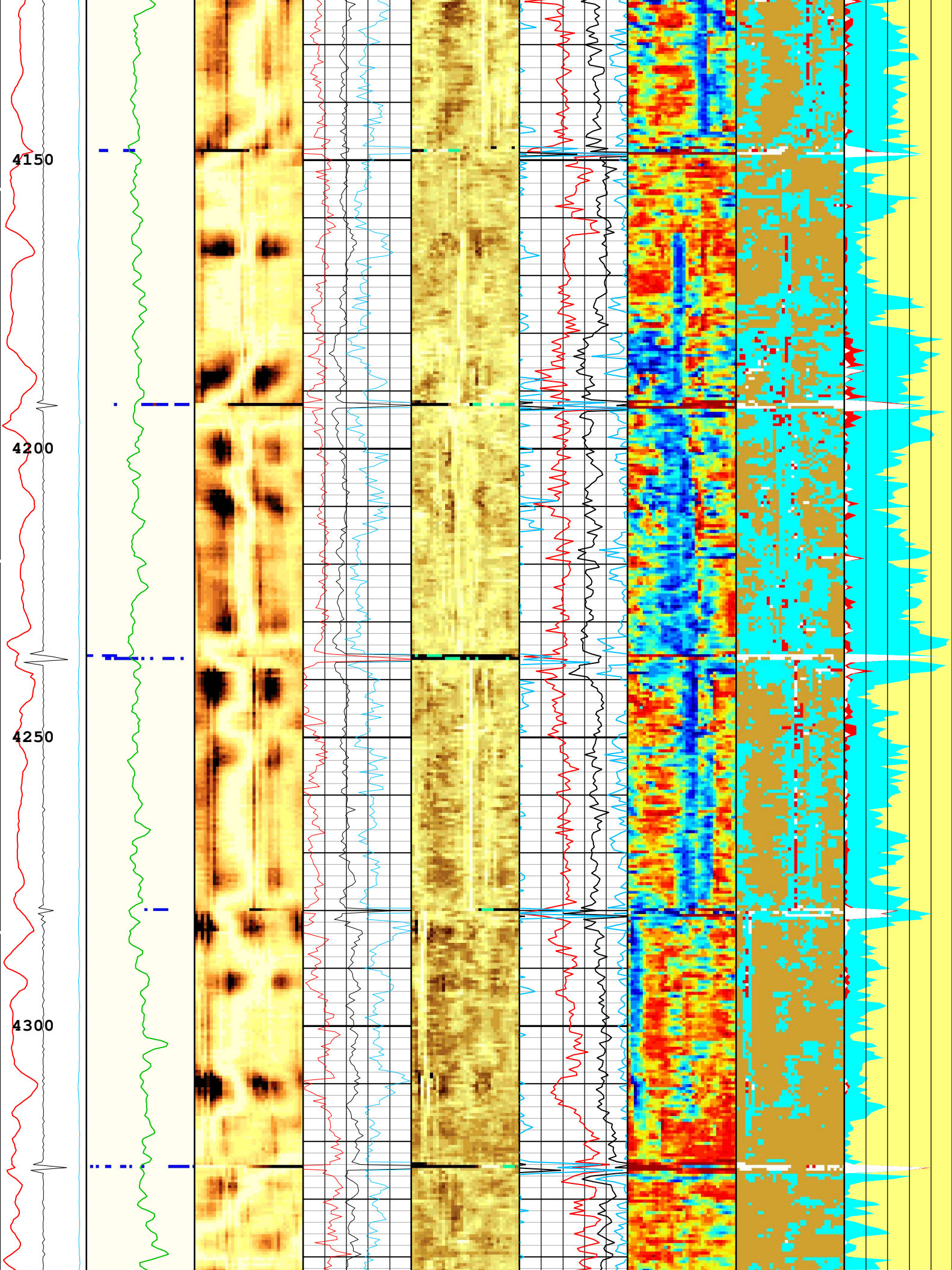


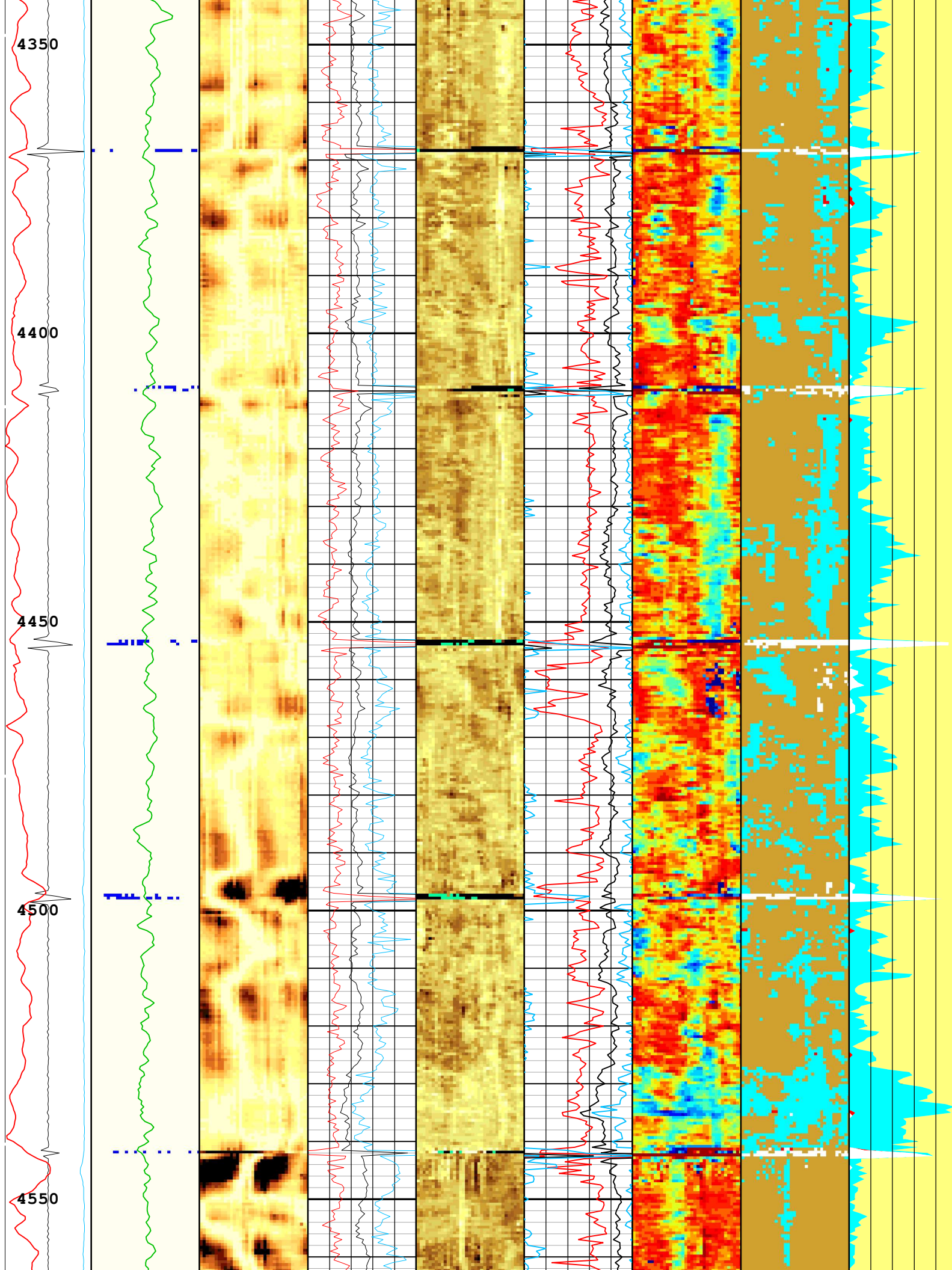


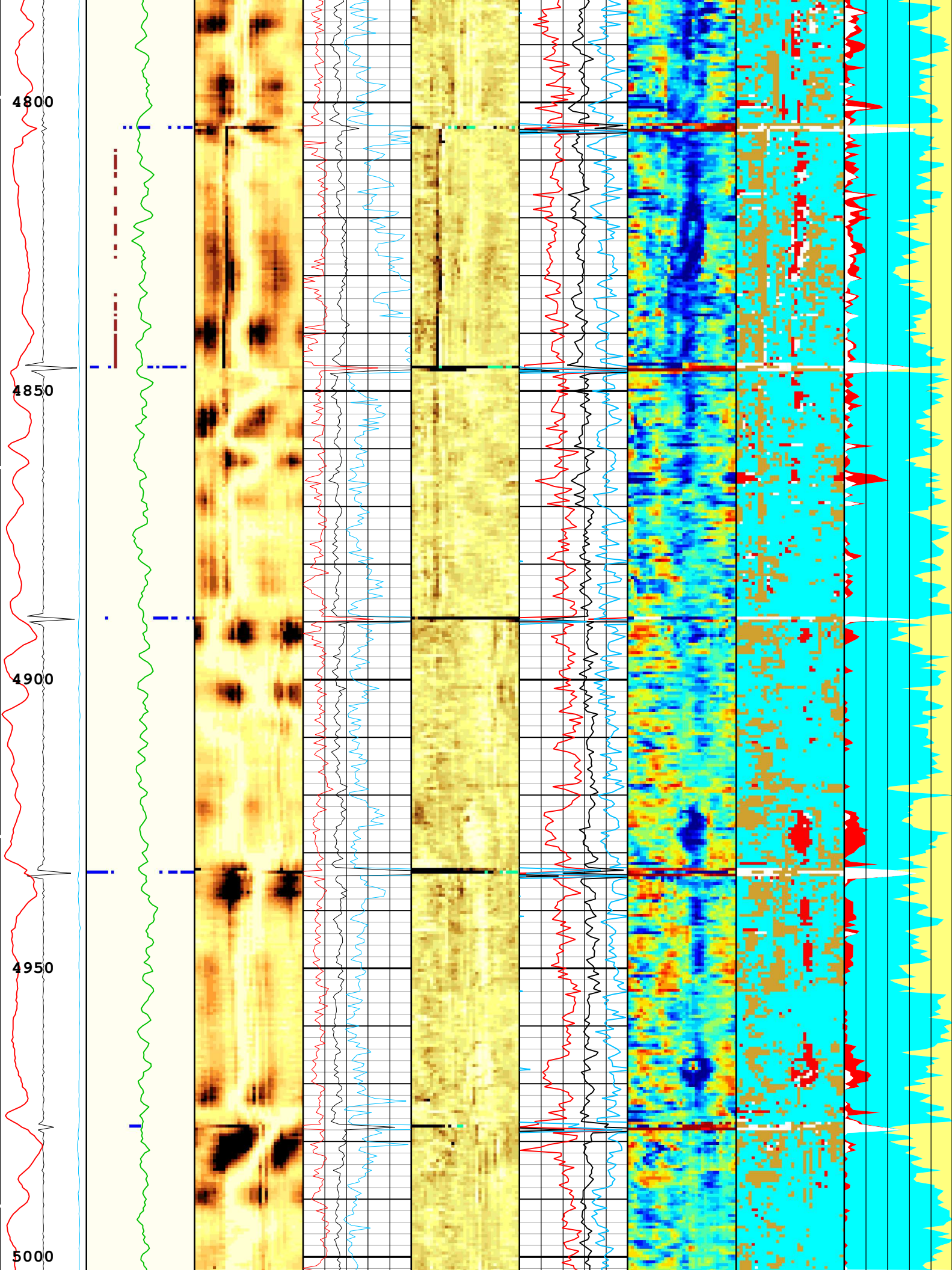


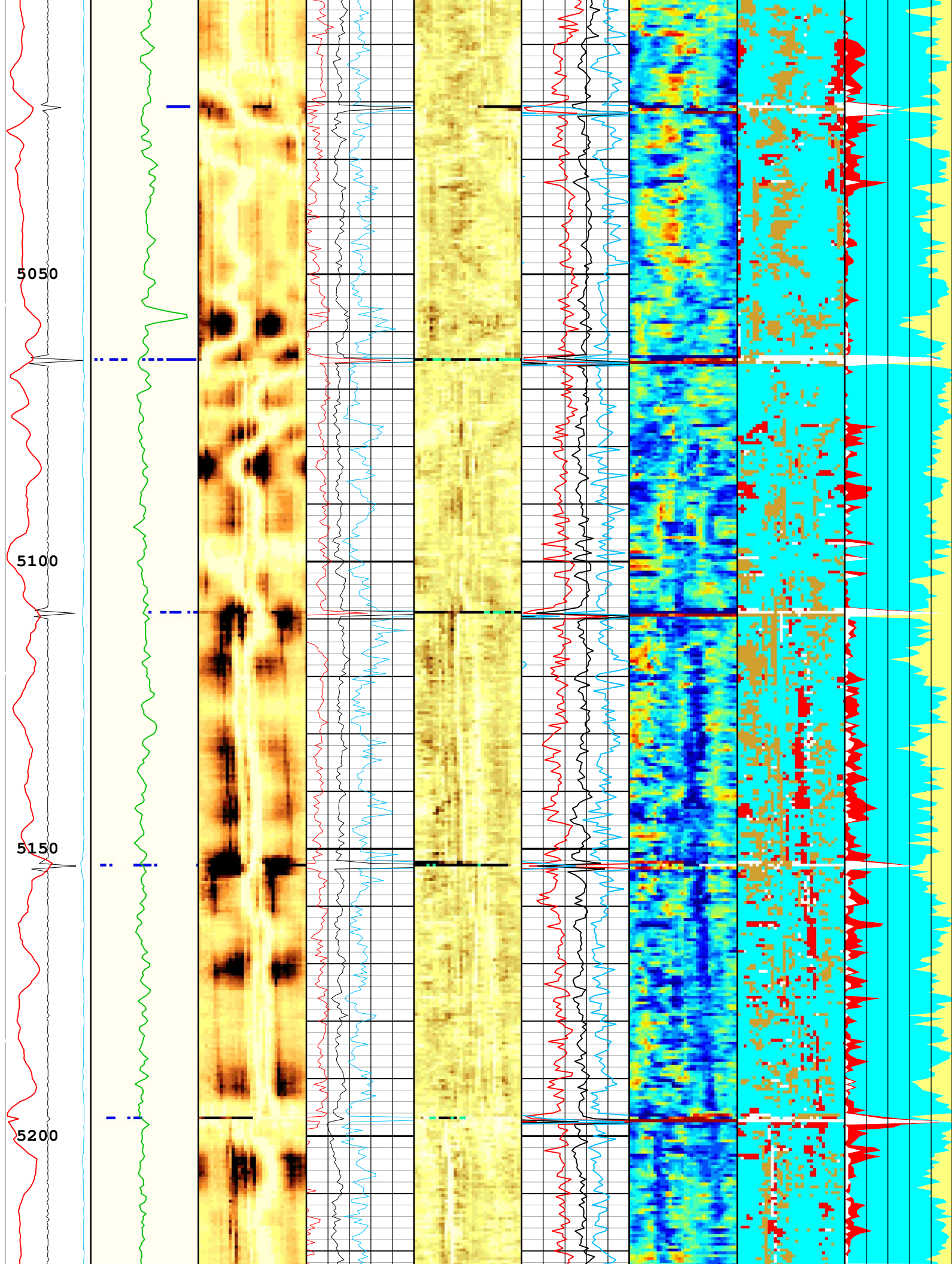


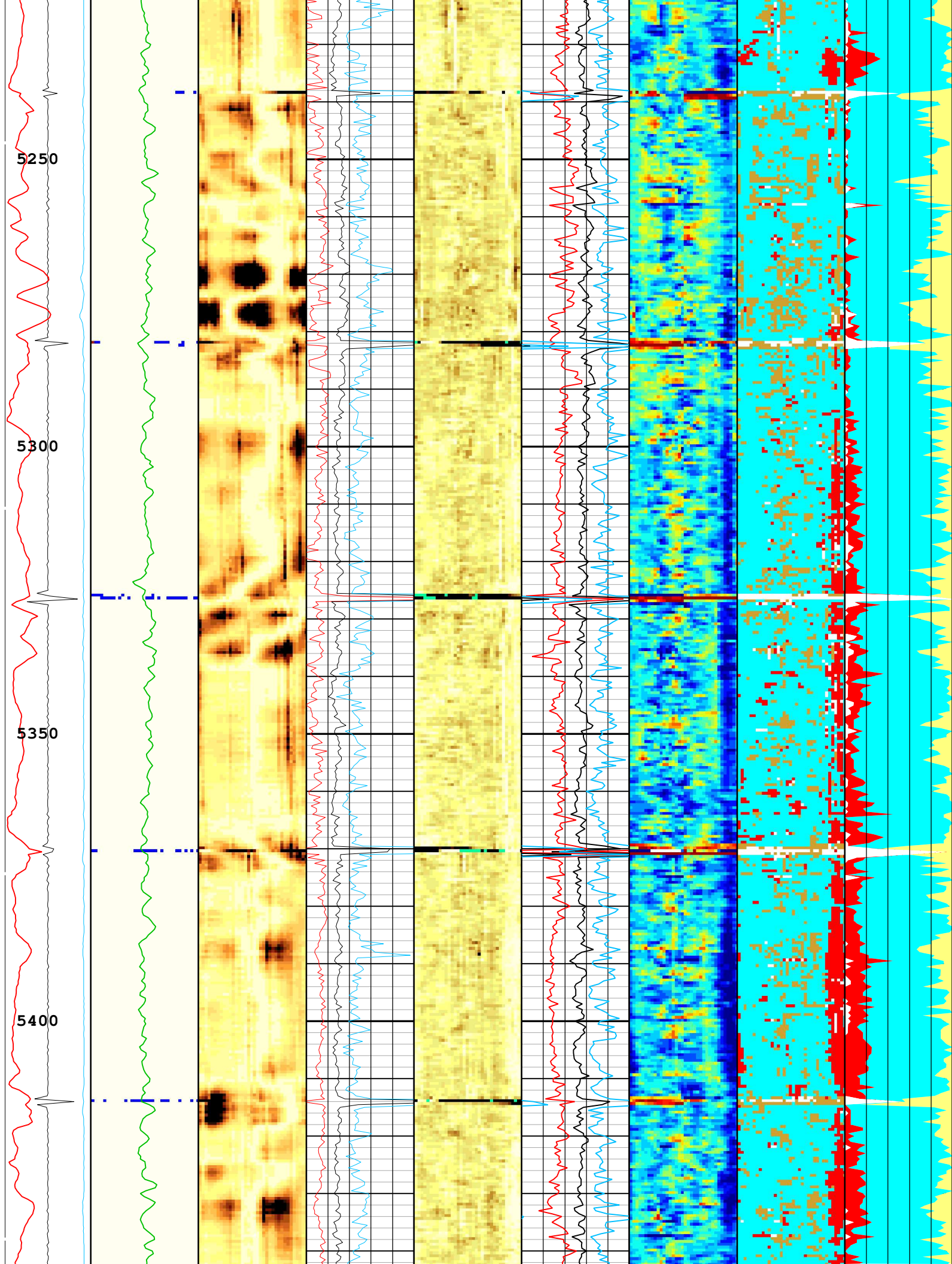


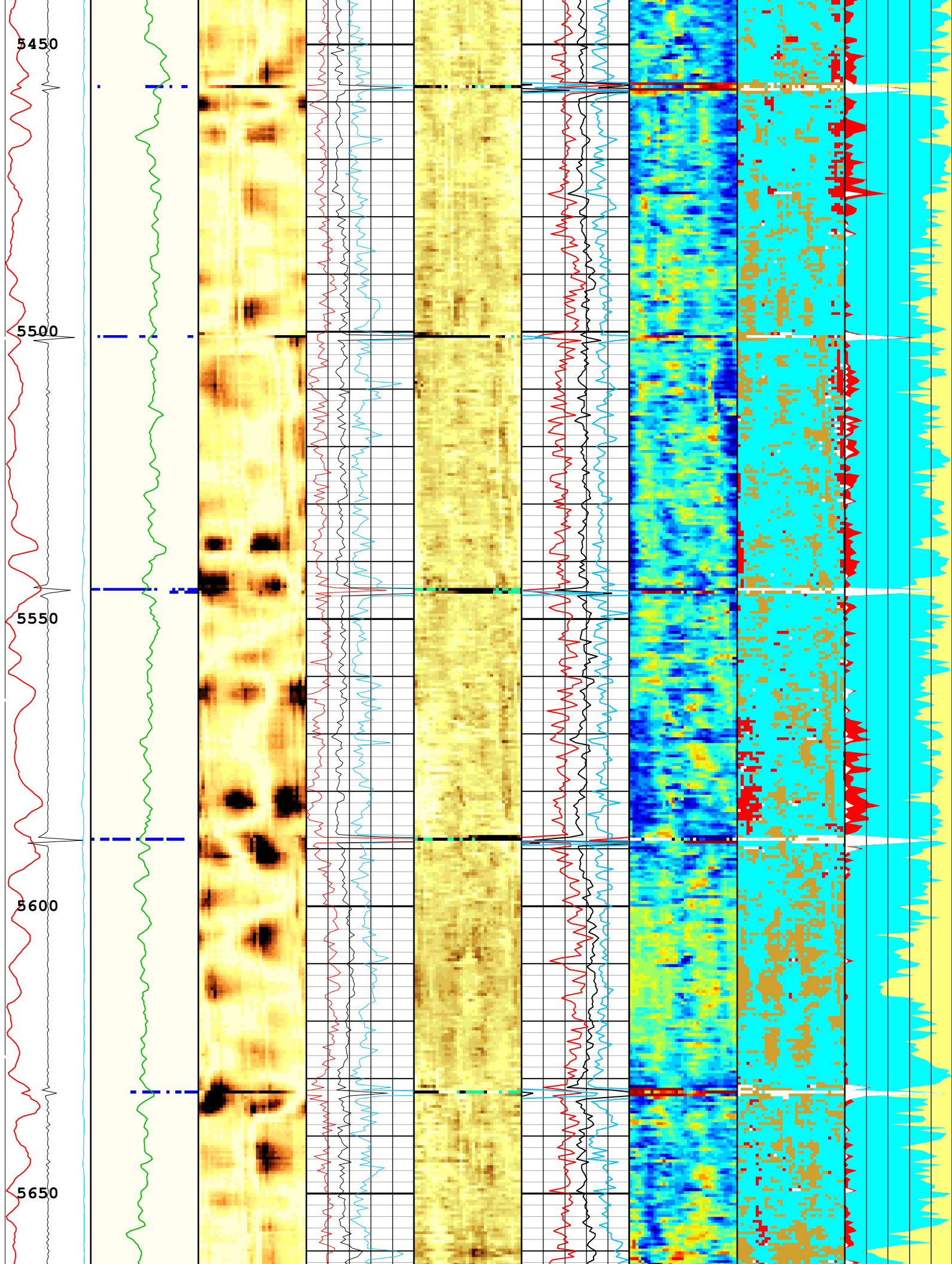


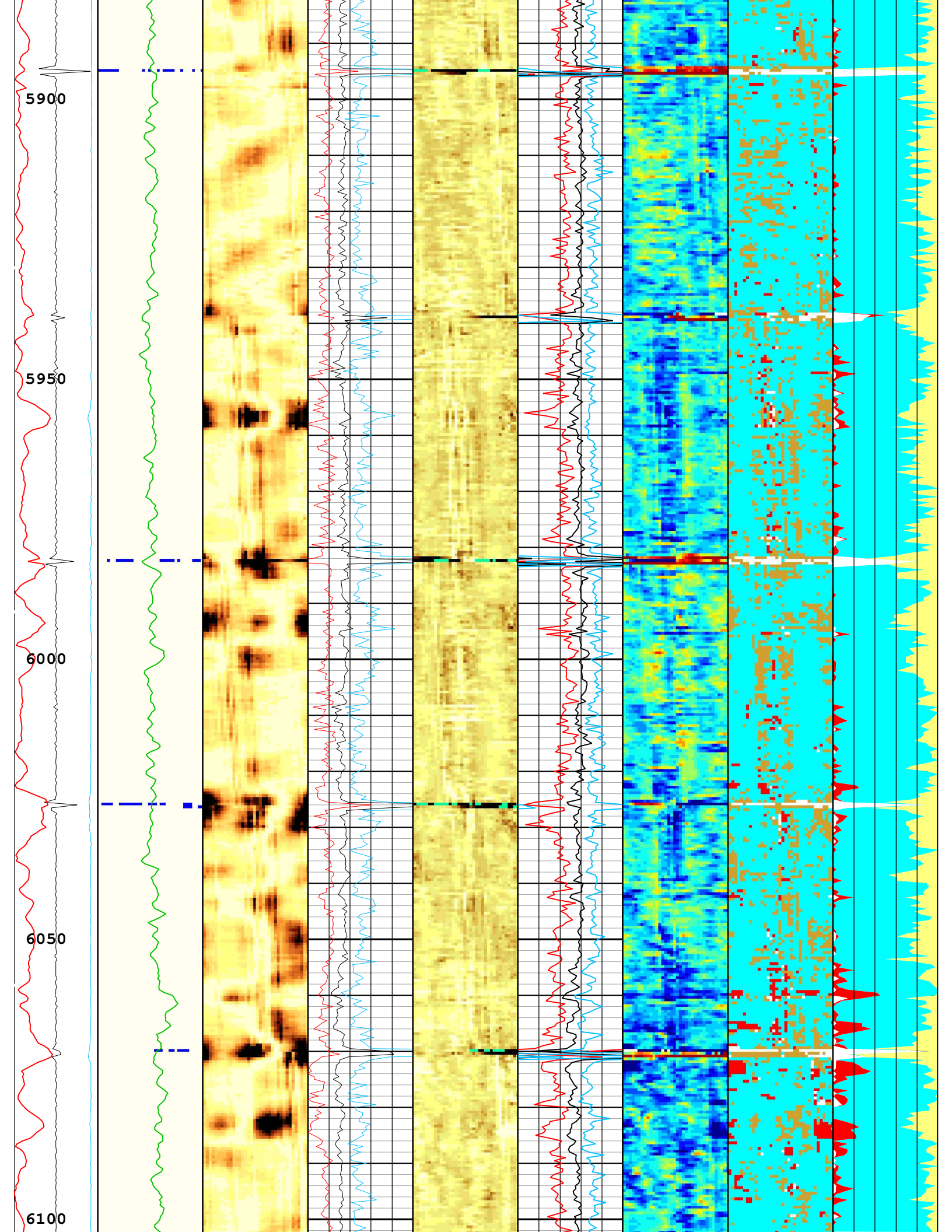


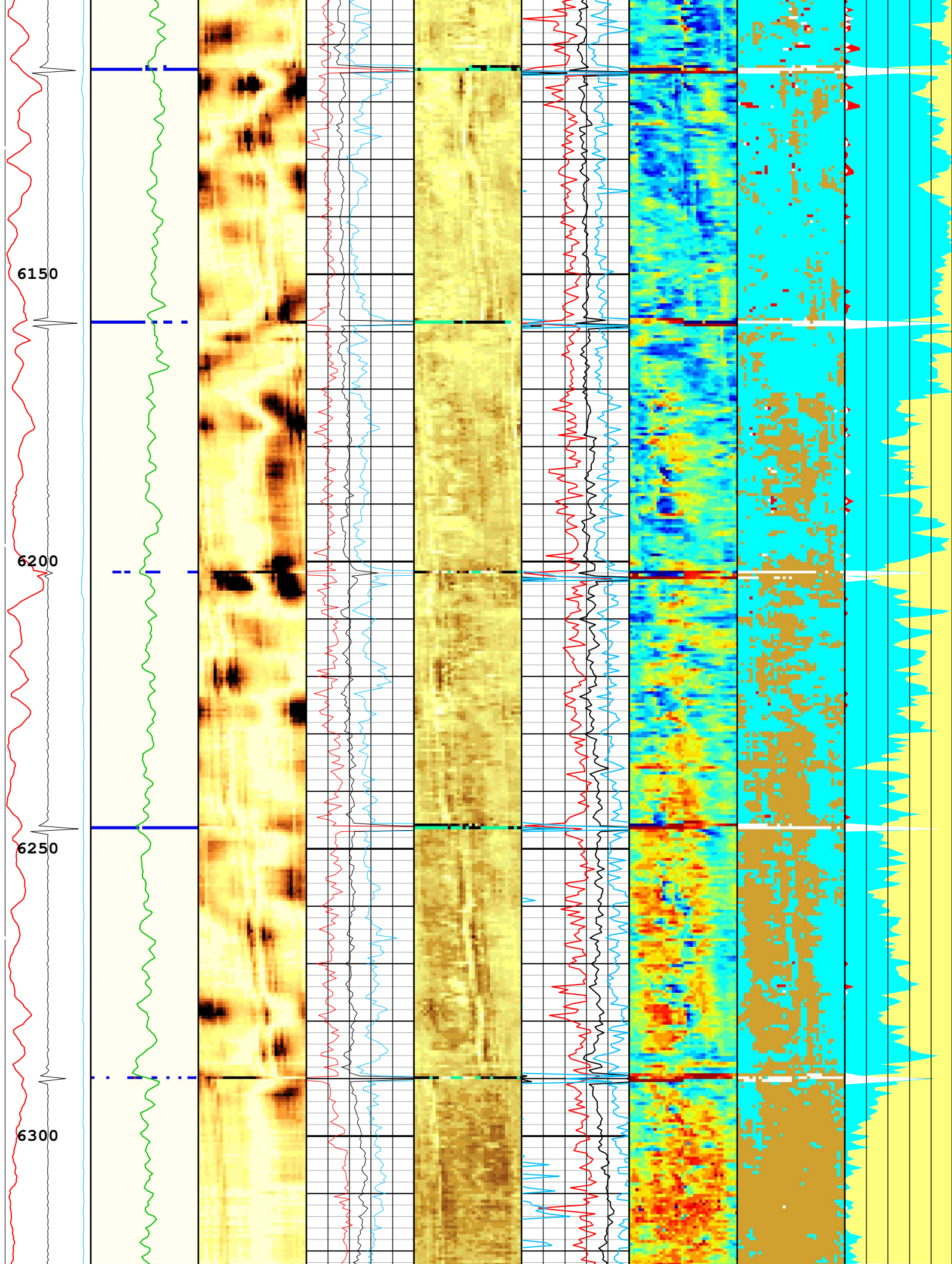


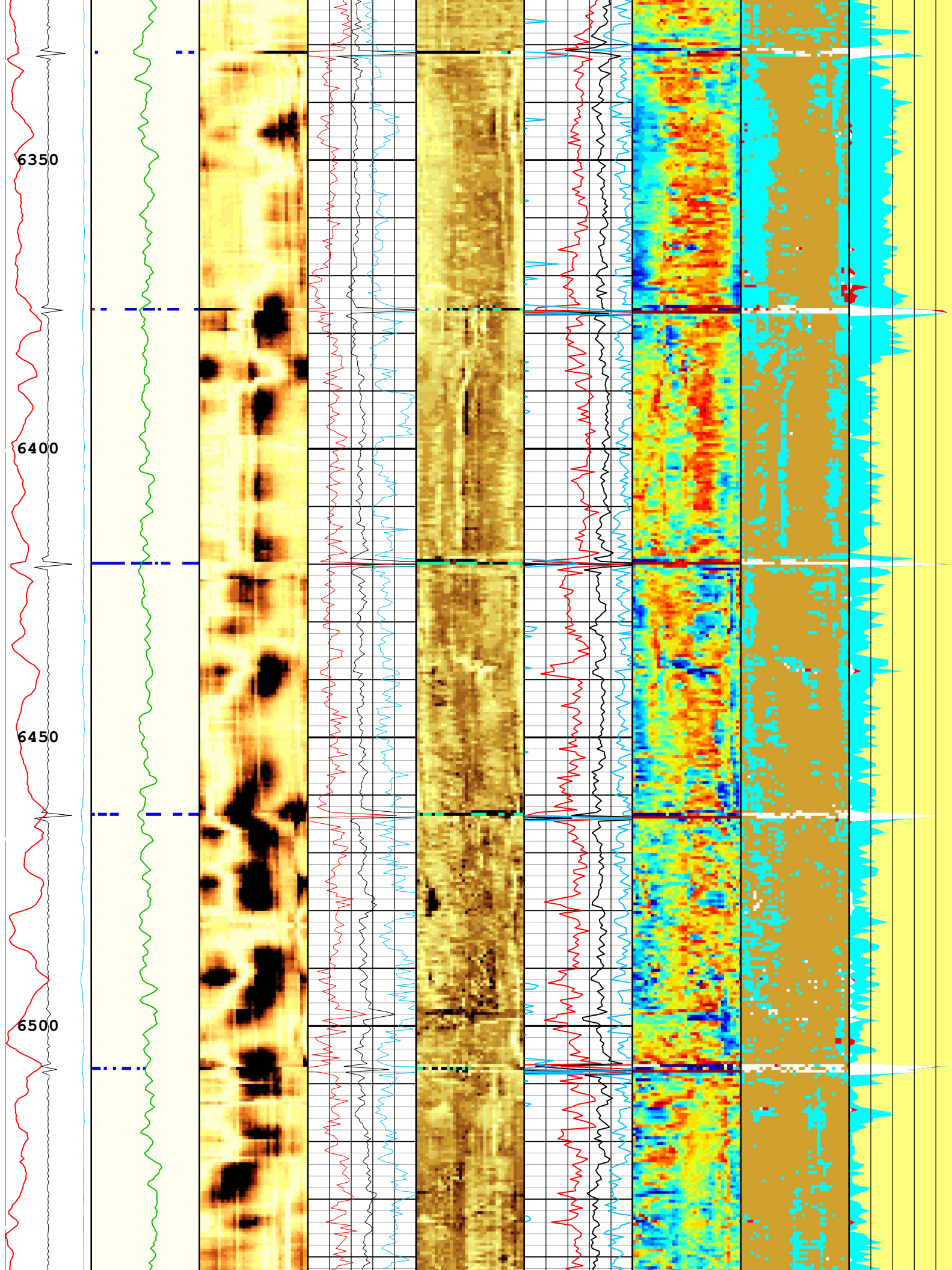


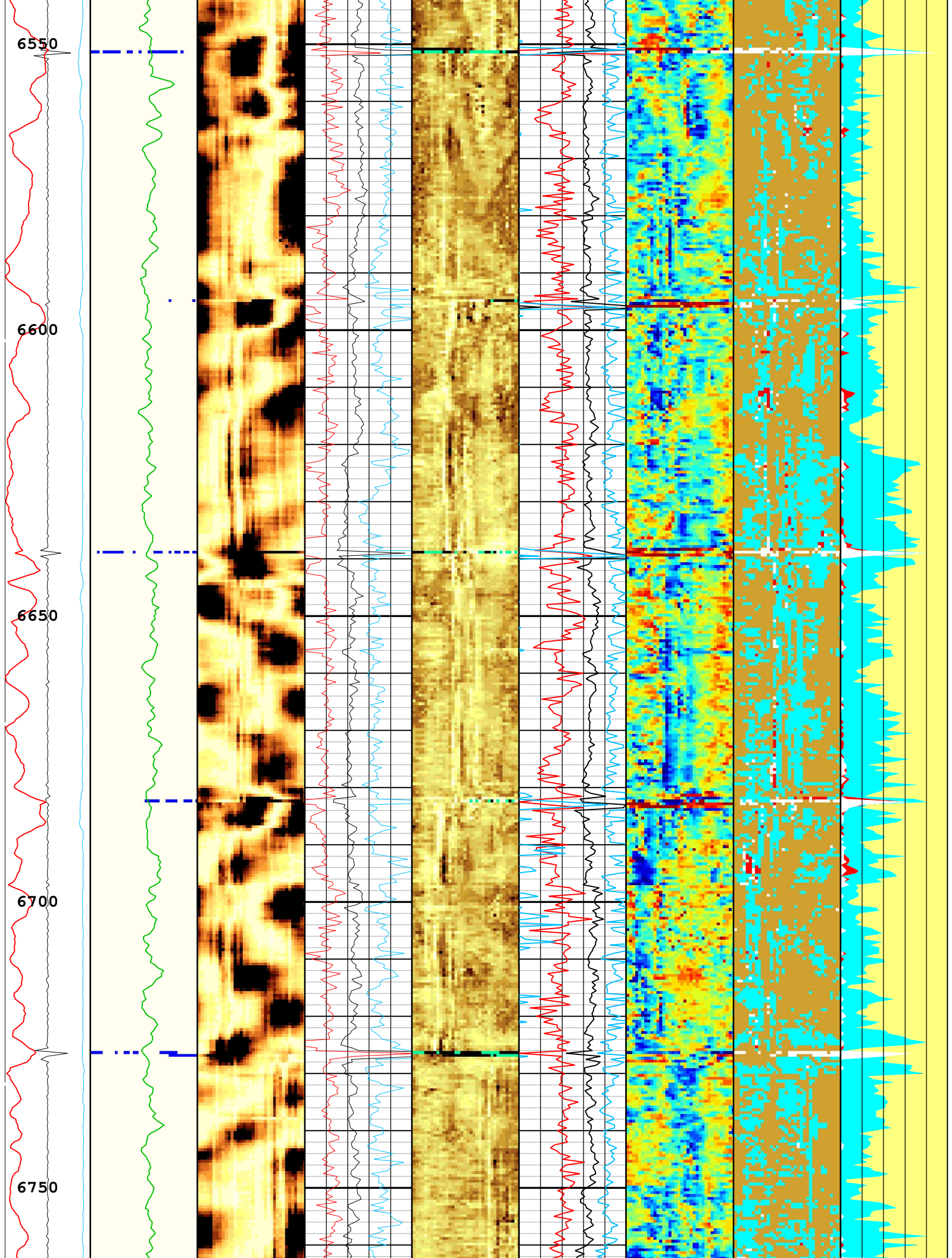


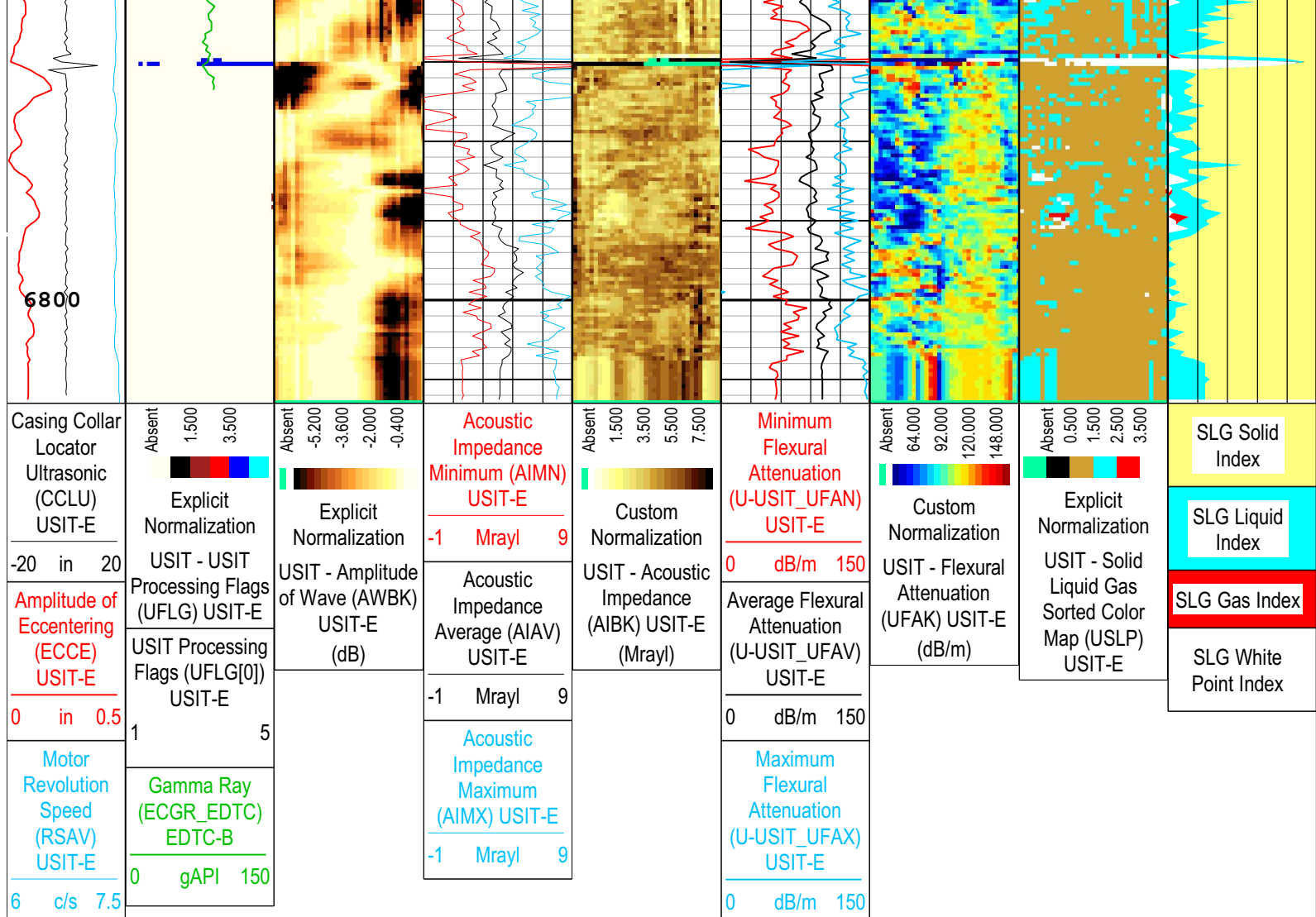












USIT Processing Flags (UFLG[0]) USIT-E

- 1 - UFLG 1 Value within [0.0 - 1.5] - : UTIM Error
- 2 - UFLG 2 Value within [1.5 - 2.5] - : Pulse Origin Not Detected
- 3 - UFLG 3 Value within [2.5 - 3.5] - : WINLEN Error
- 4 - UFLG 4 UFLG 5 UFLG 6 Value within [3.5 - 6.5] - : Casing Thickness Error
- 5 - UFLG 7 UFLG 8 UFLG 9 Value within [6.5 - 10] - : Loop Processing Error

TIME_1900 - Time Marked every 60.00 (s)

Description: USI IBC SLG Format: Log (IBC SLG) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 16-Sep-2022 02:59:21

Channel Processing Parameters

One: Parameters

Parameter	Description	Tool	Value	Unit
BARI(ISSBAR)	Barite Mud Presence Flag	Borehole	No	
BERJ	Bad Echo Rejection	USIT-E	On	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Cased	
BS	Bit Size	WLSESSION	Depth Zoned	in
CASING_PRATIO	Casing Poisson Ratio	USIT-E	Standard Poisson Ratio	
CBLO	Casing Bottom (Logger)	WLSESSION	7553	ft
CDEN	Cement Density	USIT-E	0	g/cm3
CDEN	Cement Density	EDTC-B	2	g/cm3
CMTY(U-USIT_CEMT)	Cement Type	USIT-E	Regular Cement	
DFD	Drilling Fluid Density	Borehole	8.34	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	

DTMD	Borehole Fluid Slowness	Borehole	203	us/ft
FD	Fluid Density	USIT-E	1.2	g/cm3
FDII	FPM Data Interpolation Interval	USIT-E	0	ft
GCSE_DOWN_PASS	Generalized Caliper Selection for WL Log Down Passes	Borehole	BS(RT)	
GCSE_UP_PASS	Generalized Caliper Selection for WL Log Up Passes	Borehole	BS(RT)	
GR_MULTIPLIER	Gamma Ray Multiplier	EDTC-B	1	
HEMA	Hematite Presence Flag	Borehole	No	
IBC_FRP_OFFSET	IBC Flexural Offset from Free Pipe	USIT-E	-49.03	dB/m
IBC_FVEL_SEL	IBC Fluid Velocity Selection	USIT-E	Automatic	
IBC_OFFSET_SEL	IBC Flexural Offset Selector	USIT-E	UFAO	
IBC_ZMUD_SEL	IBC Mud Impedance Selection	USIT-E	Theoretical	
IMAR	Image Rotation	USIT-E	Off	
MEAS_WLEN	Tcube Processing Window Length in Measurement Mode	USIT-E	15.37	us
MUD_N_FRP	Free Pipe Mud Normalization Factor	USIT-E	1.05	
MUD_N_INV	IBC Inversion Mud Normalization Factor	USIT-E	1.2	
MUD_N_THE	Theoretical Mud Normalization Factor	USIT-E	1.2	
RCOD	Reference Calibrator Outer Diameter	USIT-E	4.5	in
RCSO	Reference Calibrator Standoff	USIT-E	0.842	in
RCTH	Reference Calibrator Thickness	USIT-E	0.216	in
RPLUS_PROCESS	Ultrasonic R+ Processing	USIT-E	No	
SOCN	Standoff Distance	EDTC-B	0.125	in
SOCO	Standoff Correction Option	EDTC-B	No	
THDH	Maximum Search Thickness (percentage of nominal)	USIT-E	130	%
THDL	Minimum Search Thickness (percentage of nominal)	USIT-E	70	%
TPOS_EDTC	Tool Position: Centered or Eccentered	EDTC-B	Eccentered	
U-USIT_DFSZ	Drilling Fluid Specific Acoustic Impedance	USIT-E	1.67	Mrayl
U-USIT_UFAO	USIT Flexural Attenuation Offset	USIT-E	-15	dB/m
UFSFILT	Ultrasonic Flexural Surface Filter	USIT-E	LPF 250k	
U-USIT_UIAP	IBC Answer Product Enabled	USIT-E	SLG - TIE Picking	
THDP	Thickness Detection Policy	USIT-E	Fundamental	
VCAS	Ultrasonic Transversal Velocity in Casing	USIT-E	51.4	us/ft
ZCAS	Acoustic Impedance of Casing	USIT-E	46.25	Mrayl
ZINI	Initial Estimate of Cement Impedance	USIT-E	-1	Mrayl
ZMUD	Acoustic Impedance of Mud	Borehole	1.5	Mrayl
ZTCM	Acoustic Impedance Threshold for Cement	USIT-E	2.6	Mrayl
ZTGS	Acoustic Impedance Threshold for Gas	USIT-E	0.3	Mrayl

Depth Zone Parameters

Parameter	Value	Start (ft)	Stop (ft)
BS	12.25	33	540
BS	7.875	540	6813

All depth are actual.

Tool Control Parameters

One: Parameters

Parameter	Description	Tool	Value	Unit
AGMN	Minimum Gain of Cartridge	USIT-E	-12	dB
AGMX	Maximum Gain of Cartridge	USIT-E	54	dB
U-USIT_DDT5	USIC Downhole Decimation for T5 only	USIT-E	0_NONE	
DOT(DOS)	Distance between Opposite Transducer Faces	USIT-E	1.756	in
FMXV	FMEFX Voltage	USIT-E	Time Zoned	V

HRES	Horizontal Resolution	USIT-E	10 deg	
IBC_ACQTYPE	IBC Acquisition type	USIT-E	1 MHz	
IBC_FLEXDBP	IBC Flex Duration Before Peak	USIT-E	30	us
ICE2_ACQ	Ultrasonic ICE2 Acquisition	USIT-E	Yes	
MOTOR_PROTECT	Motor Protection	USIT-E	On	
UACLV_PERM	Ultrasonic ACLV Permanent	USIT-E	Yes	
USFR	Ultrasonic Sampling Frequency	USIT-E	666667	Hz
UPAT	USIT Emission Pattern	USIT-E	Pattern 750 KHz	
UWKM	USIT Working Mode	USIT-E	10 deg at 6.0 in	
USSP	Ultrasonic Service	USIT-E	IBC	
U-USIT_UTAN	Transducer Angles	USIT-E	33_DEG	
VRES	Vertical Resolution	USIT-E	6.0 in	

Time Zone Parameters

Parameter	Value	Start Time	Stop Time	Start Depth (ft)	Stop Depth (ft)
EMXV	8	15-Sep-2022 11:50:25	15-Sep-2022 11:51:01	6813.94	6790.25
EMXV	9	15-Sep-2022 11:51:01	15-Sep-2022 13:36:36	6790.25	73.05

All depth are at tool zero.

One

Software Version

Acquisition System	Version
Maxwell 2022.1	12.1.217729.3100
Application Patch	Wireline_Hotfix-Mandatory-2022.1_12.1.220287
	Wireline_NPD-ThruBit-2022.1_12.1.219291

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
One	Log[6]:Up	Up	73.05 ft	6813.94 ft	15-Sep-2022 11:50:25 AM	15-Sep-2022 1:36:36 PM	ON	13.02 ft	No

All depths are referenced to toolstring zero

Log

Company:Occidental Petroleum Corporation Well:Mead Place 12-22

One: Log[6]:Up:S010

Description: USI IBC SLG Composite Format: Log (IBC SLG Composite 4.5IN) Index Scale: 2 in per 100 ft Index Unit: ft Index Type: Measured Depth

Creation Date: 16-Sep-2022 02:59:39

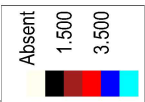
TIME_1900 - Time Marked every 60.00 (s)

USIT Processing Flags (UFLG[0]) USIT-E

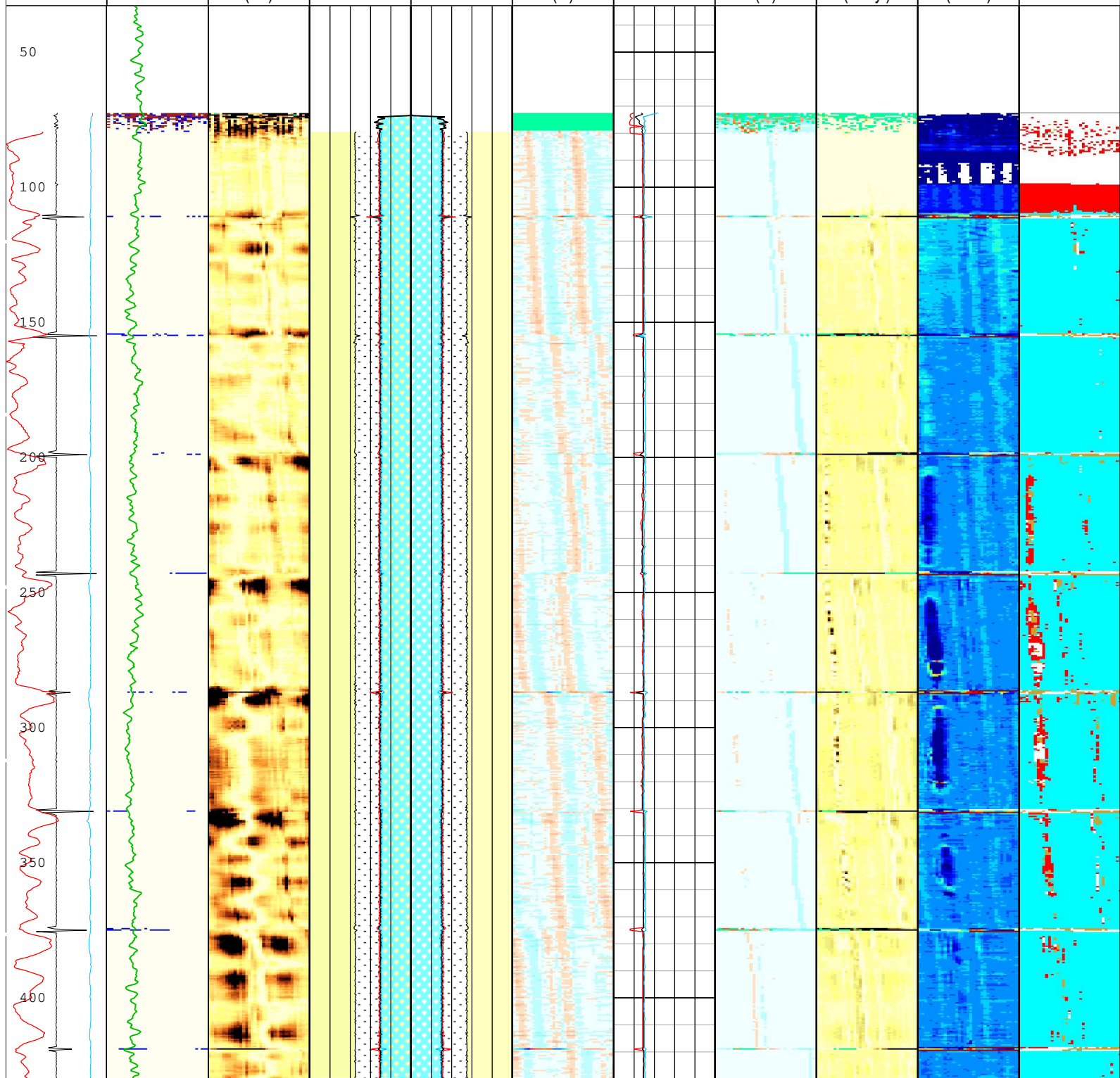
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- 5 - UFLG 7 UFLG 8 UFLG 9 Value within [6.5 - 10] - : Loop Processing Error

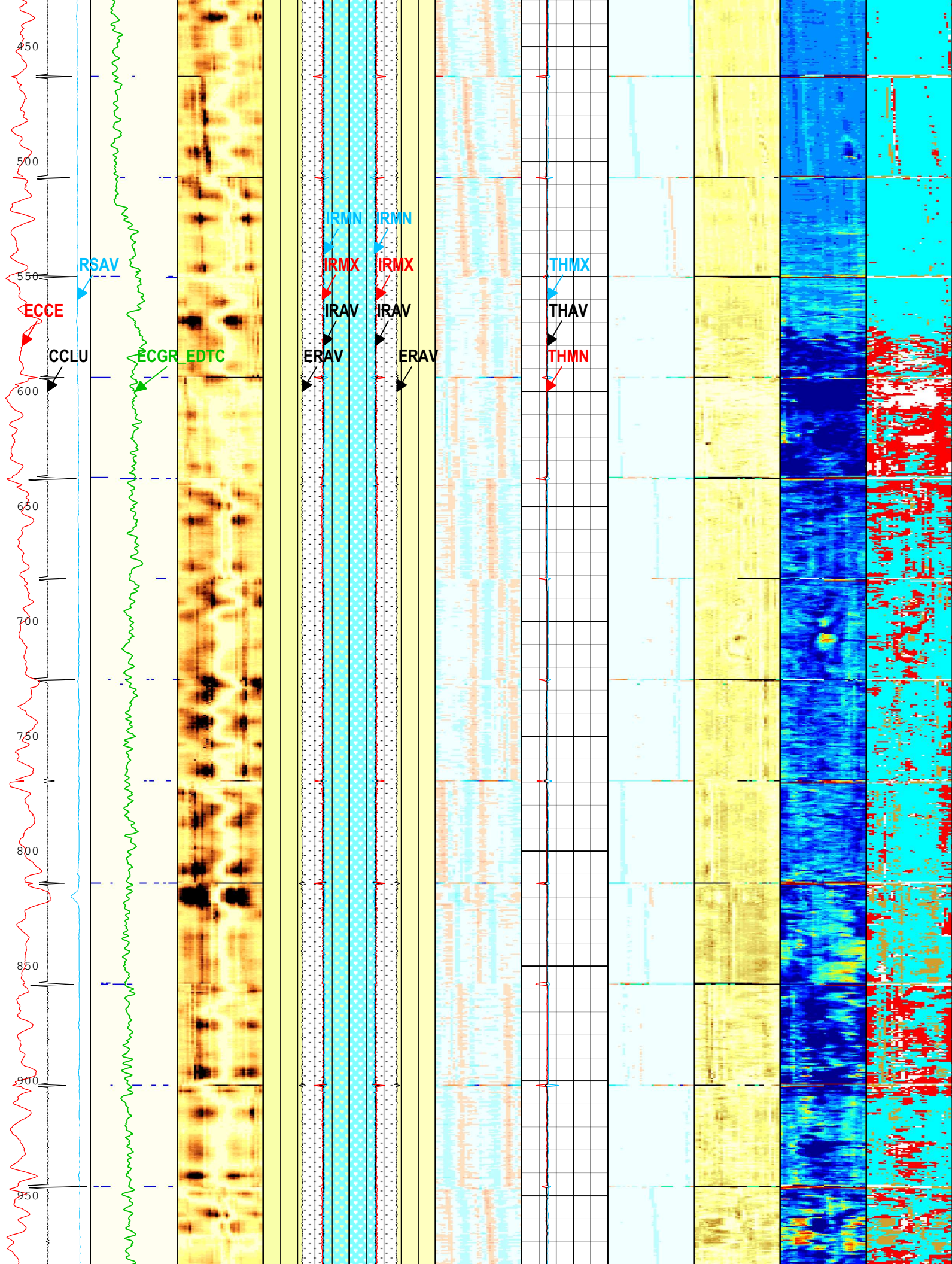
Casing Collar	Explicit	External Radii Average (ERAV) USIT-E	External Radii Average (ERAV) USIT-E
		2.7 in 1.7	1.7 in 2.7
		Internal Radius	Internal Radius

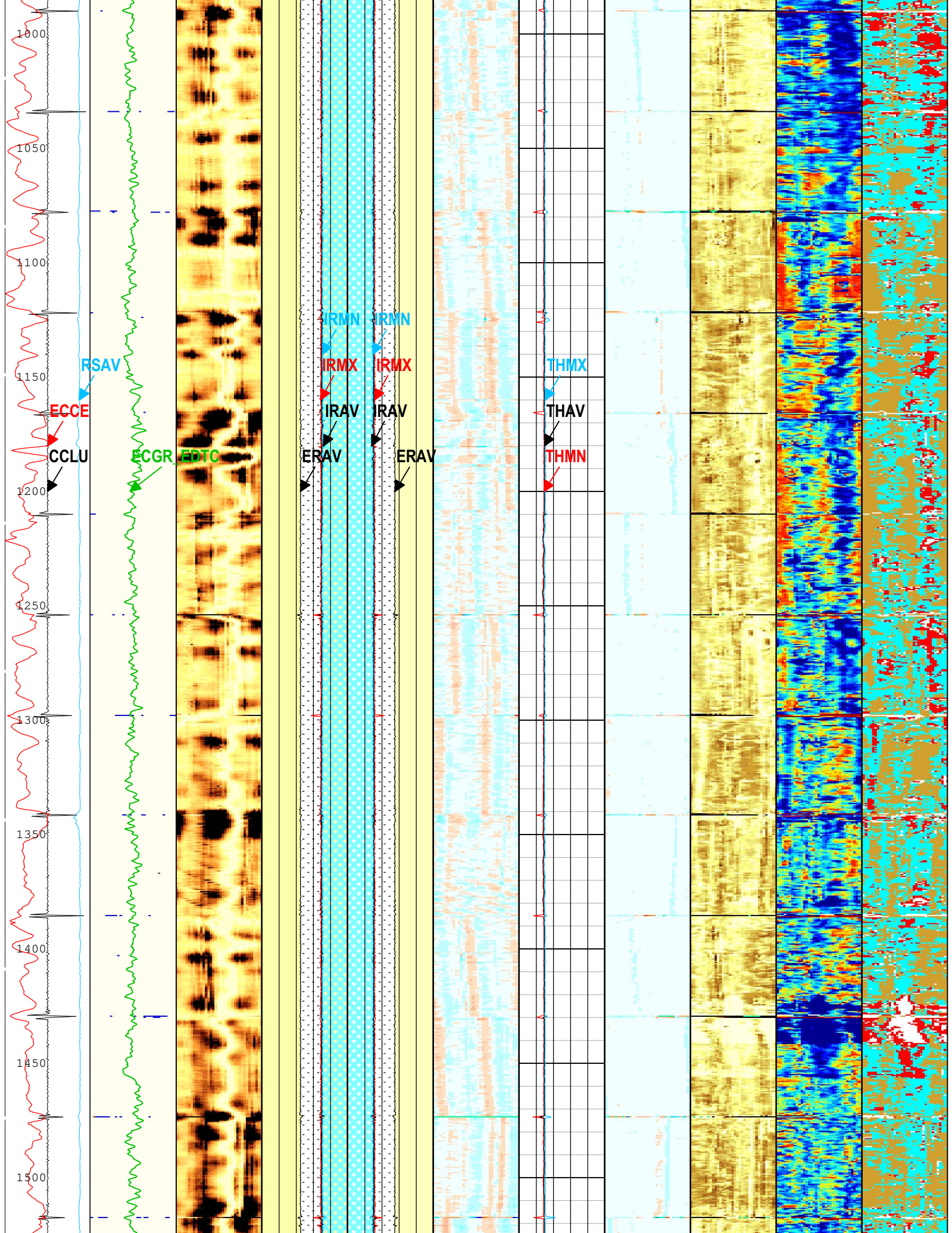
Thickness Minimum

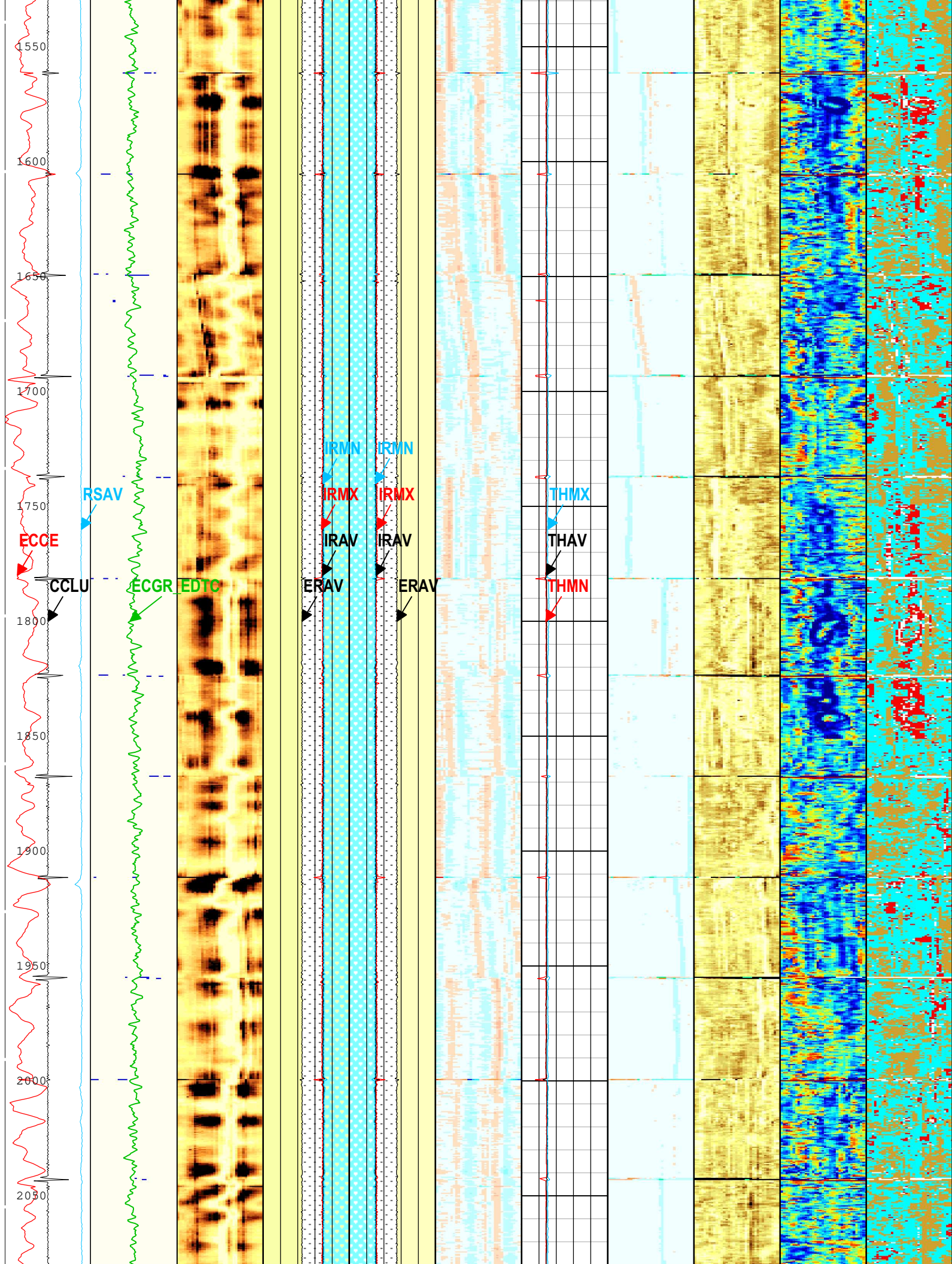


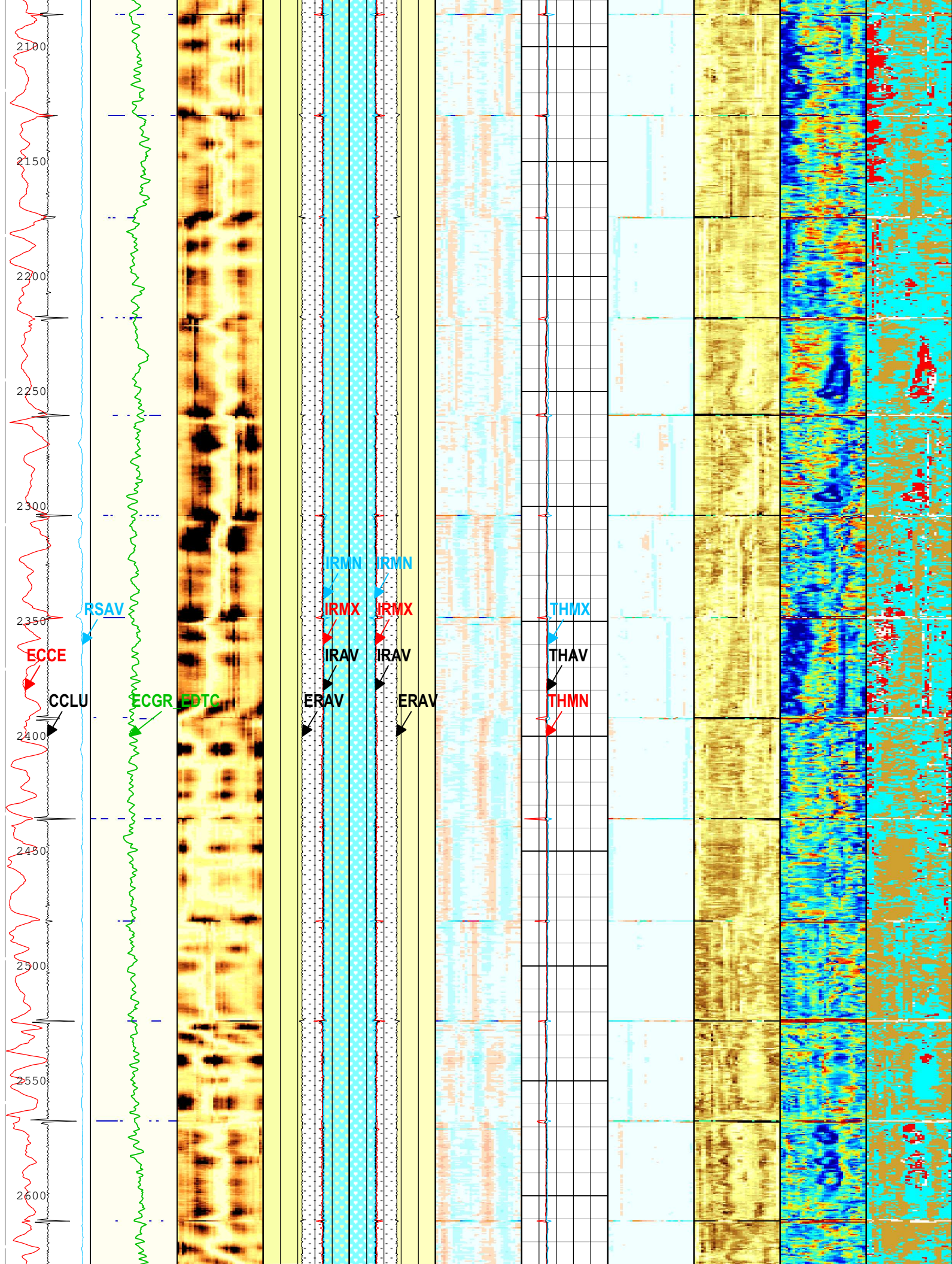
Locator Ultrasonic (CCLU) USIT-E	Normalization USIT - USIT Processing Flags (UFLG) USIT-E	Averaged Radius Value (IRAV) USIT-E	Averaged Radius Value (IRAV) USIT-E	Minimum Value (THMN) USIT-E						
-20 in 20		2.7 in 1.7	1.7 in 2.7	0.1 in 0.6						
Amplitude of Eccentering (ECCE) USIT-E	USIT Processing Flags (UFLG[0]) USIT-E	Internal Radius Maximum Value (IRMX) USIT-E	Internal Radius Maximum Value (IRMX) USIT-E	Thickness Average Value (THAV) USIT-E	Explicit Normalization	Explicit Normalization	Explicit Normalization	Custom Normalization	Custom Normalization	Explicit Normalization
0 in 0.5		2.7 in 1.7	1.7 in 2.7	0.1 in 0.6						
Motor Revolution Speed (RSAV) USIT-E	1 5 Gamma Ray (ECGR_EDT C) EDTC-B 0 gAPI 150	Internal Radius Minimum Value (IRMN) USIT-E	Internal Radius Minimum Value (IRMN) USIT-E	Thickness Maximum Value (THMX) USIT-E	USIT - Casing Thickness Normalized (THBK) USIT-E (in)	USIT - Internal Radii Normalized (IRBK) USIT-E (in)	USIT - Casing Thickness Normalized (THBK) USIT-E (in)	USIT - Acoustic Impedance (AIBK) USIT-E (Mrayl)	USIT - Flexural Attenuation (UFAK) USIT-E (dB/m)	USIT - Solid Liquid Gas Sorted Color Map (USLP) USIT-E
6 c/s 7.5		2.7 in 1.7	1.7 in 2.7	0.1 in 0.6						

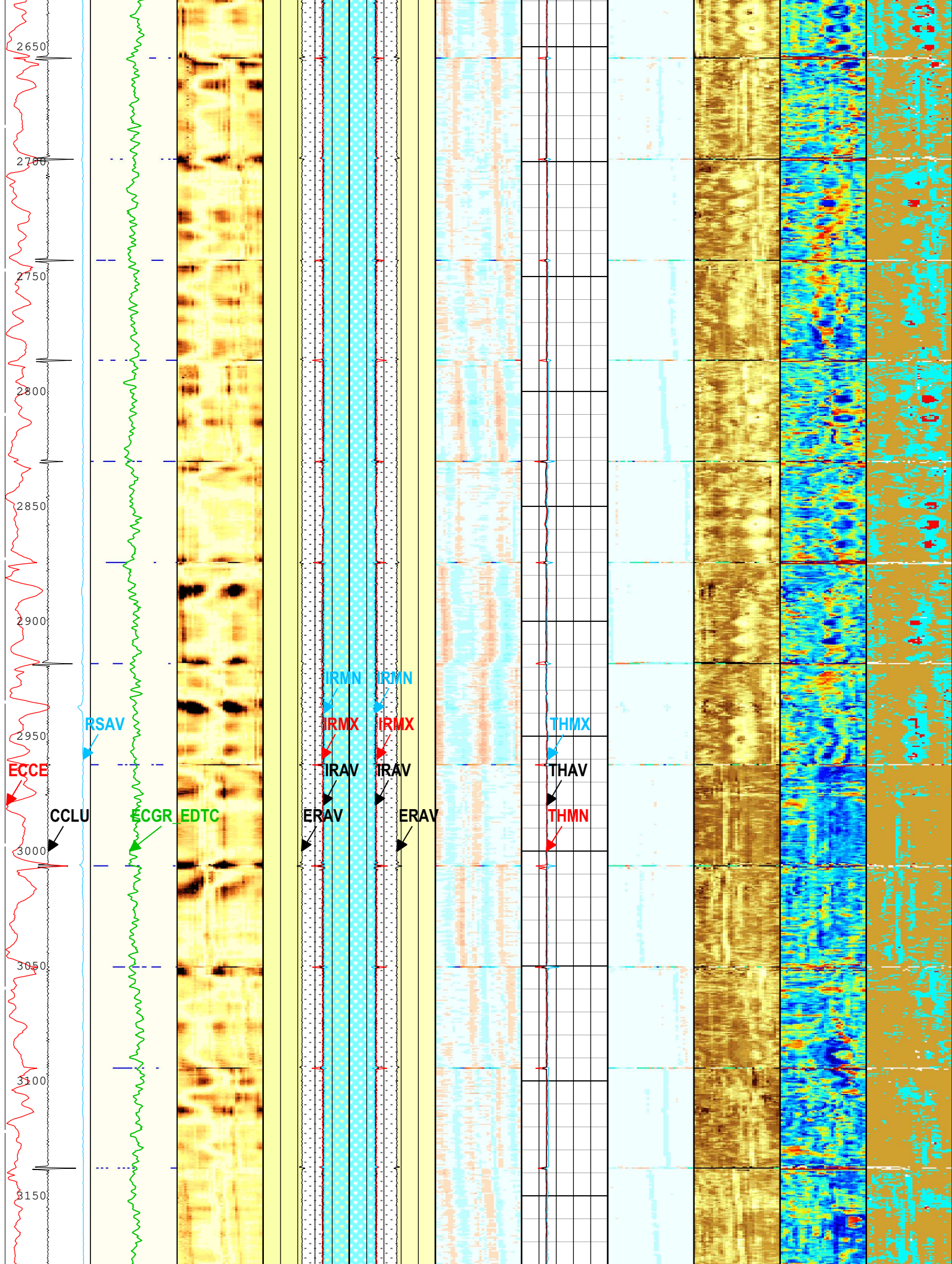


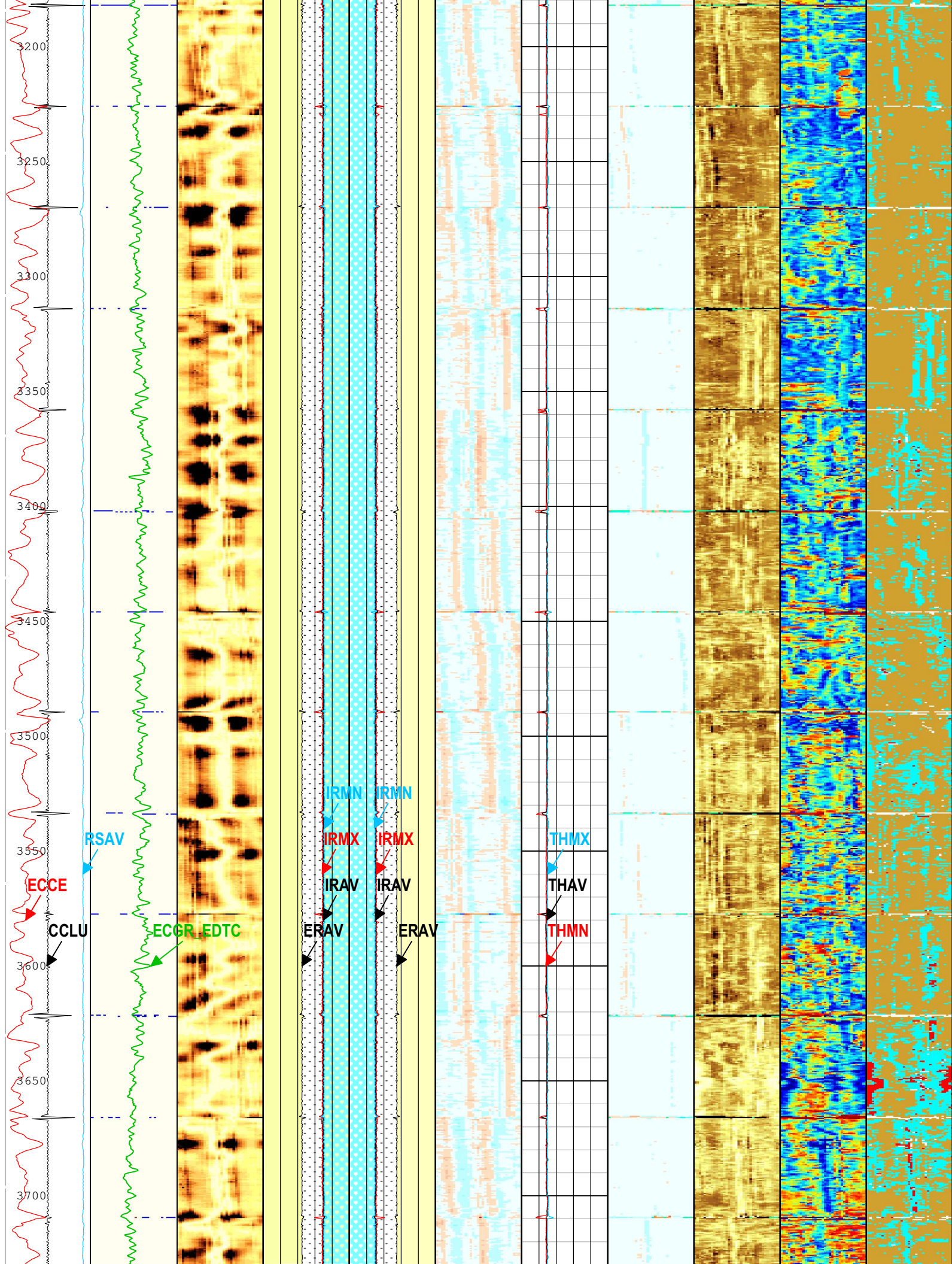


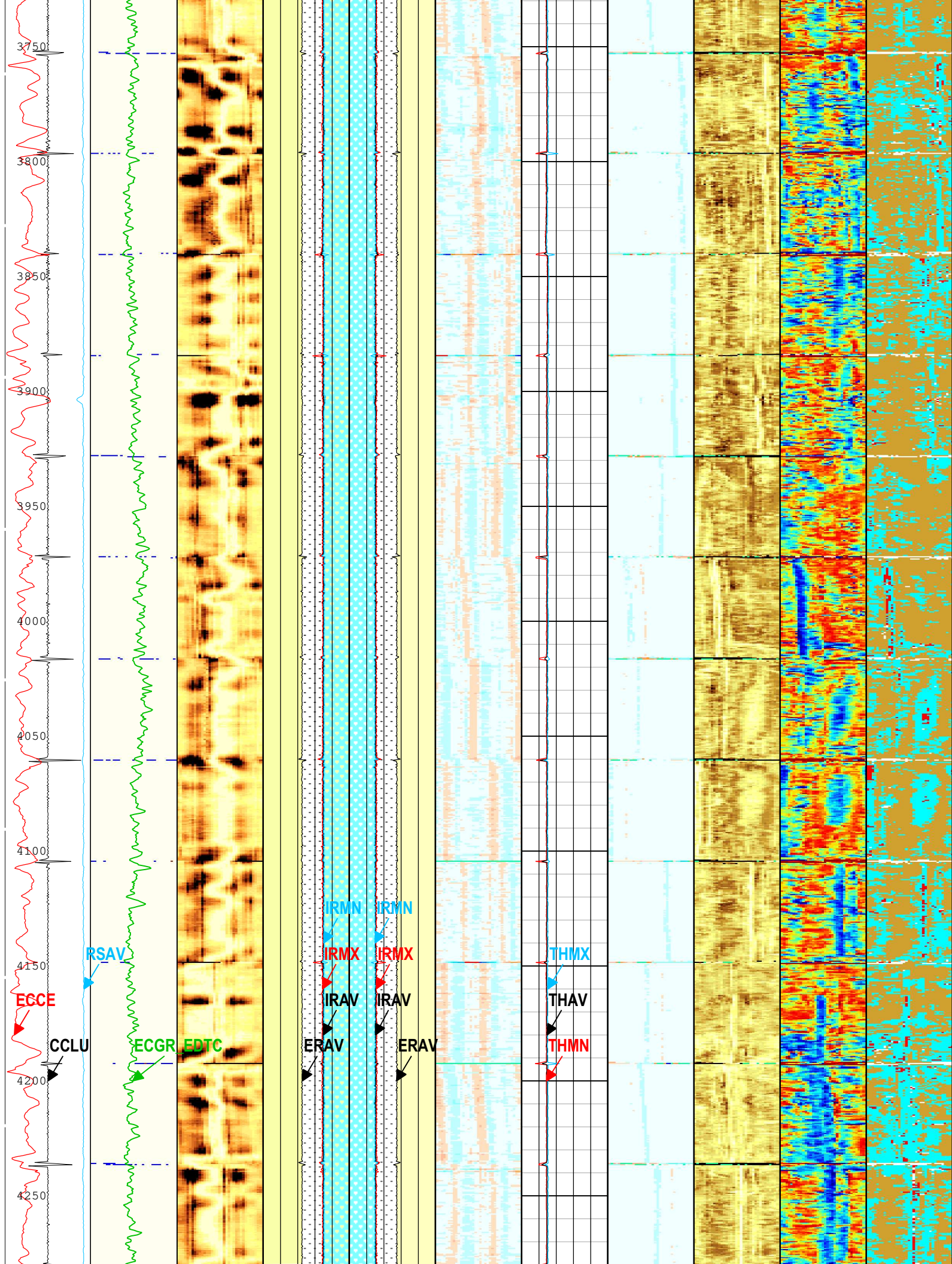


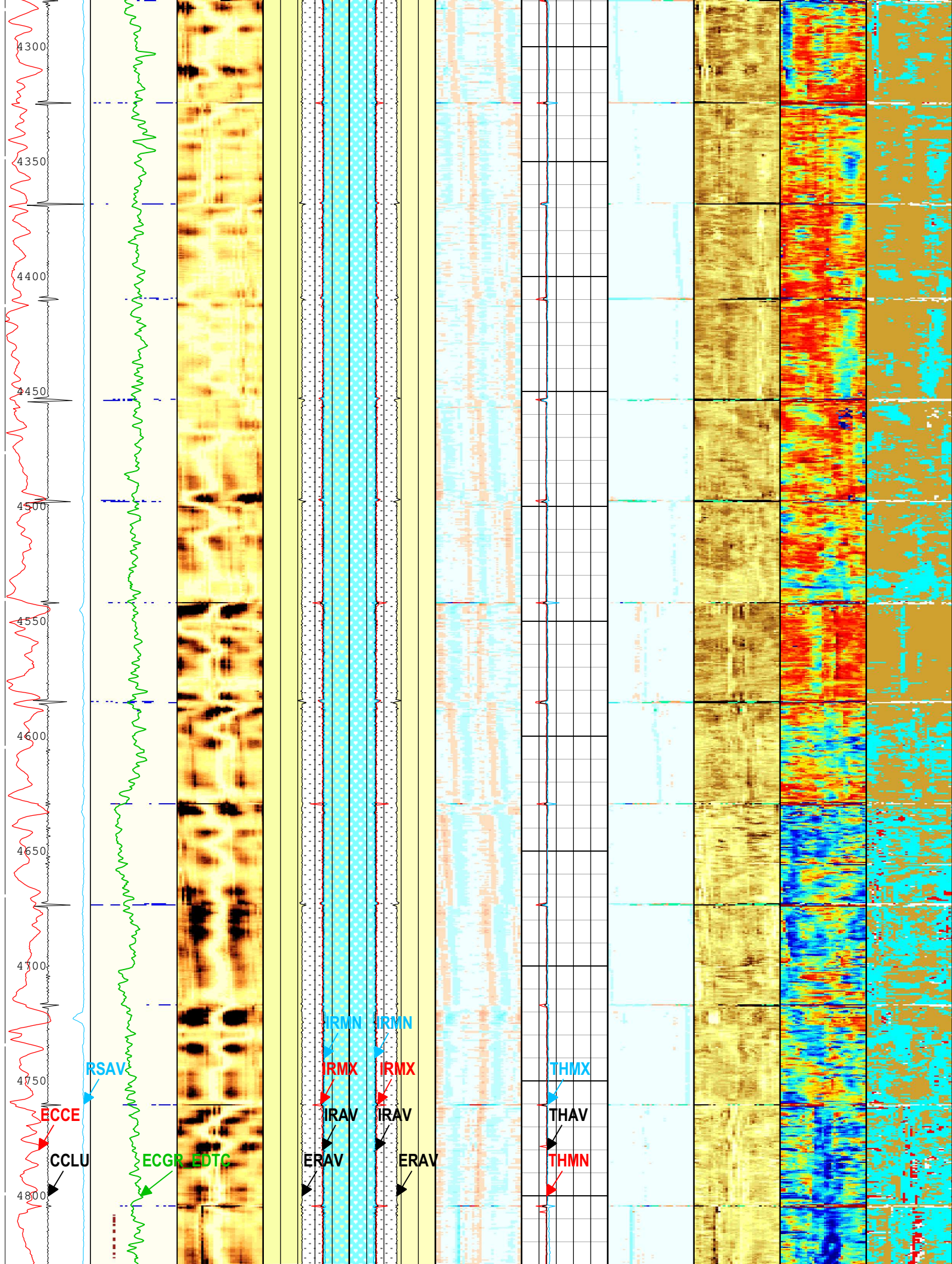


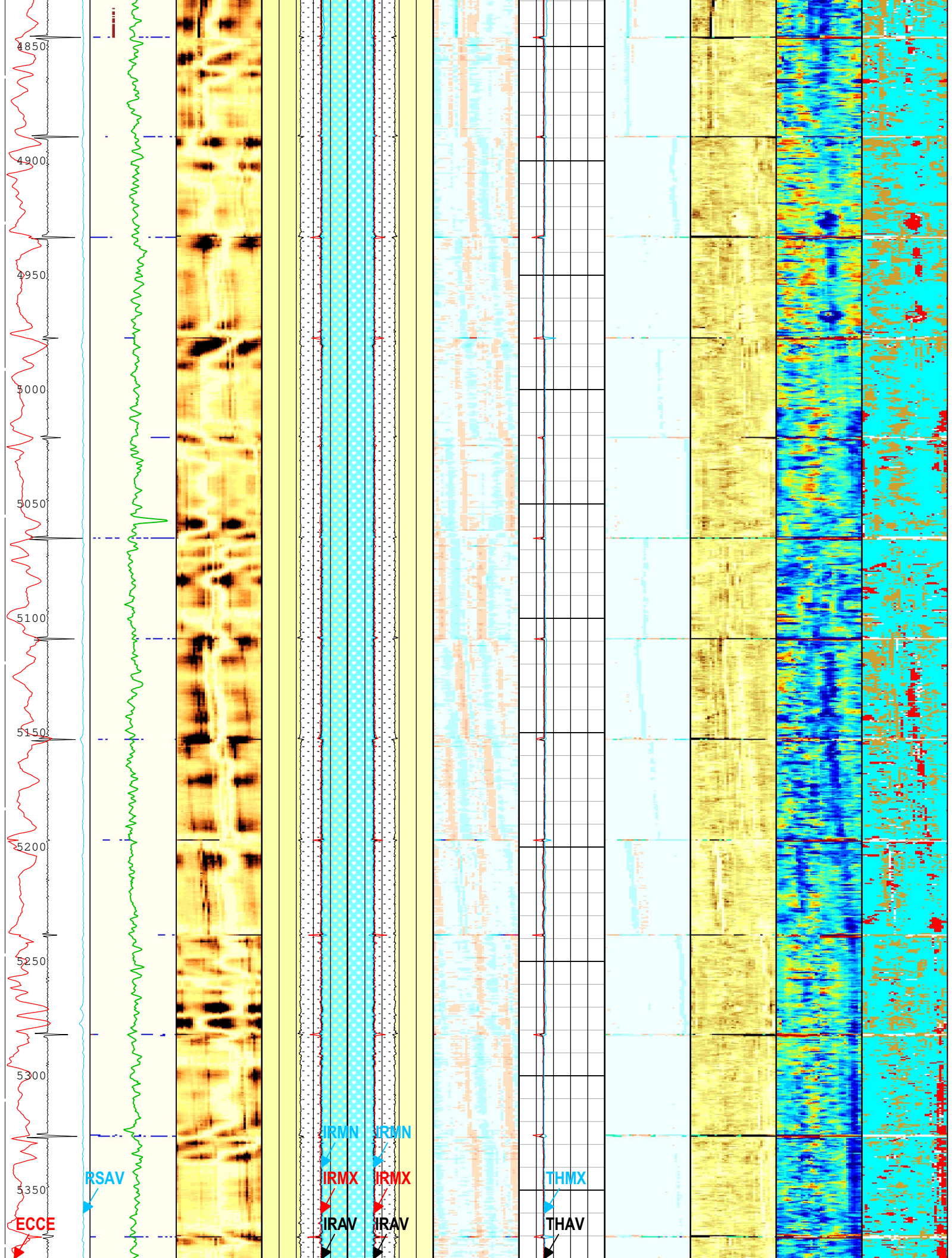


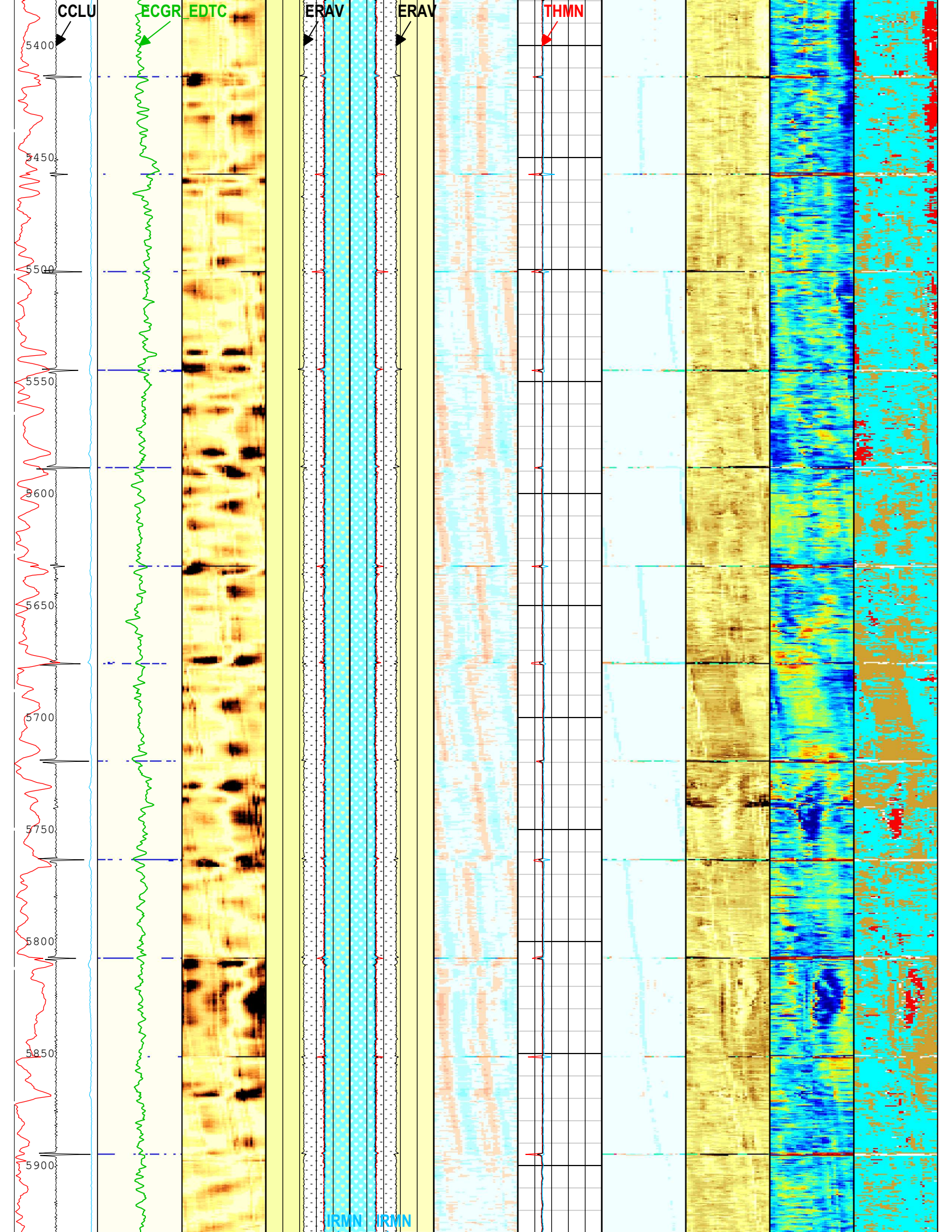












USIT Processing Flags (UFLG[0]) USIT-E

- 1 - UFLG 1 Value within [0.0 - 1.5] - : UTIM Error
- 2 - UFLG 2 Value within [1.5 - 2.5] - : Pulse Origin Not Detected
- 3 - UFLG 3 Value within [2.5 - 3.5] - : WINLEN Error
- 4 - UFLG 4 UFLG 5 UFLG 6 Value within [3.5 - 6.5] - : Casing Thickness Error
- 5 - UFLG 7 UFLG 8 UFLG 9 Value within [6.5 - 10] - : Loop Processing Error

TIME_1900 - Time Marked every 60.00 (s)

Description: USI IBC SLG Composite Format: Log (IBC SLG Composite 4.5IN) Index Scale: 2 in per 100 ft Index Unit: ft Index Type: Measured Depth
 Creation Date: 16-Sep-2022 02:59:39

Channel Processing Parameters

One: Parameters

Parameter	Description	Tool	Value	Unit
BARI(ISSBAR)	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Cased	
BS	Bit Size	WLSESSION	Depth Zoned	in
CBLO	Casing Bottom (Logger)	WLSESSION	7553	ft
CDEN	Cement Density	USIT-E	0	g/cm3
CDEN	Cement Density	EDTC-B	2	g/cm3
CMTY(U-USIT_CEMT)	Cement Type	USIT-E	Regular Cement	
DFD	Drilling Fluid Density	Borehole	8.34	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	203	us/ft
FD	Fluid Density	USIT-E	1.2	g/cm3
GCSE_DOWN_PASS	Generalized Caliper Selection for WL Log Down Passes	Borehole	BS(RT)	
GCSE_UP_PASS	Generalized Caliper Selection for WL Log Up Passes	Borehole	BS(RT)	
HEMA	Hematite Presence Flag	Borehole	No	
IBC_FRP_OFFSET	IBC Flexural Offset from Free Pipe	USIT-E	-49.03	dB/m
IBC_FVEL_SEL	IBC Fluid Velocity Selection	USIT-E	Automatic	
IBC_OFFSET_SEL	IBC Flexural Offset Selector	USIT-E	UFAO	
IBC_ZMUD_SEL	IBC Mud Impedance Selection	USIT-E	Theoretical	
IMAR	Image Rotation	USIT-E	Off	
MEAS_WLEN	Tcube Processing Window Length in Measurement Mode	USIT-E	15.37	us
MUD_N_FRP	Free Pipe Mud Normalization Factor	USIT-E	1.05	
MUD_N_INV	IBC Inversion Mud Normalization Factor	USIT-E	1.2	
MUD_N_THE	Theoretical Mud Normalization Factor	USIT-E	1.2	
U-USIT_DFSZ	Drilling Fluid Specific Acoustic Impedance	USIT-E	1.67	Mrayl
U-USIT_UFAO	USIT Flexural Attenuation Offset	USIT-E	-15	dB/m
UFSFILT	Ultrasonic Flexural Surface Filter	USIT-E	LPF 250k	
U-USIT_UIAP	IBC Answer Product Enabled	USIT-E	SLG - TIE Picking	
ZMUD	Acoustic Impedance of Mud	Borehole	1.5	Mrayl
ZTCM	Acoustic Impedance Threshold for Cement	USIT-E	2.6	Mrayl
ZTGS	Acoustic Impedance Threshold for Gas	USIT-E	0.3	Mrayl

Depth Zone Parameters

Parameter	Value	Start (ft)	Stop (ft)
BS	12.25	33	540
BS	7.875	540	6813

All depth are actual.

Tool Control Parameters

One: Parameters

Parameter	Description	Tool	Value	Unit
AGMN	Minimum Gain of Cartridge	USIT-E	-12	dB
AGMX	Maximum Gain of Cartridge	USIT-E	54	dB
EMXV	EMEX Voltage	USIT-E	Time Zoned	V
IBC_ACQTYPE	IBC Acquisition type	USIT-E	1 MHz	
IBC_FLEXDBP	IBC Flex Duration Before Peak	USIT-E	30	us
ICE2_ACQ	Ultrasonic ICE2 Acquisition	USIT-E	Yes	
UPAT	USIT Emission Pattern	USIT-E	Pattern 750 KHz	
UWKM	USIT Working Mode	USIT-E	10 deg at 6.0 in	
U-USIT_UTAN	Transducer Angles	USIT-E	33_DEG	
VRES	Vertical Resolution	USIT-E	6.0 in	

Time Zone Parameters

Parameter	Value	Start Time	Stop Time	Start Depth (ft)	Stop Depth (ft)
EMXV	8	15-Sep-2022 11:50:25	15-Sep-2022 11:51:01	6813.94	6790.25
EMXV	9	15-Sep-2022 11:51:01	15-Sep-2022 13:36:36	6790.25	73.05

All depth are at tool zero.

One

Software Version

Acquisition System	Version
Maxwell 2022.1	12.1.217729.3100
Application Patch	Wireline_Hotfix-Mandatory-2022.1_12.1.220287 Wireline_NPD-ThruBit-2022.1_12.1.219291

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
One	Log[6]:Up	Up	73.05 ft	6813.94 ft	15-Sep-2022 11:50:25 AM	15-Sep-2022 1:36:36 PM	ON	13.02 ft	No

All depths are referenced to toolstring zero

Log

Company:Occidental Petroleum Corporation

Well:Mead Place 12-22

One: Log[6]:Up:S010

Description: USI Goodwin Format: Log (IBC Goodwin) Index Scale: 0.1 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 16-Sep-2022 02:59:55

TIME_1900 - Time Marked every 60.00 (s)

Gamma Ray (ECGR_E DTC) EDTC-B
0 150 gAPI

Amplitude of Eccentering (ECCE) USIT-E

Acoustic Impedance Minimum (AIMN) USIT-E
-1 Mrayl 9

Acoustic Impedance Maximum (AIMX) USIT-E

Minimum Flexural Attenuation (U-USIT_UF AN) USIT-E
0 150 dB/m

Average Flexural Attenuation (U-USIT_UF AV) USIT-E
0 150 dB/m

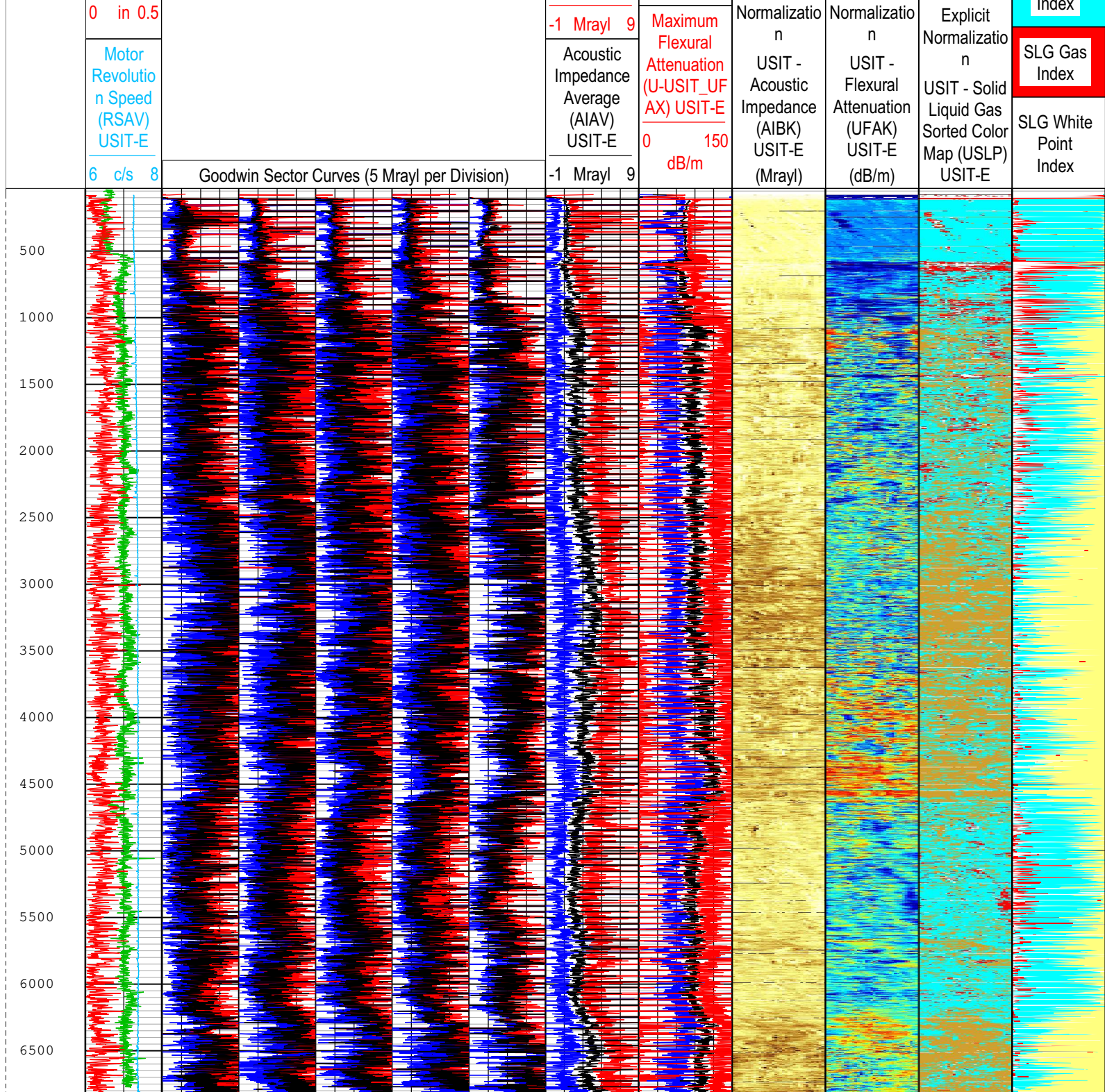
Custom

Custom

Absent 1.500 3.500

SLG Solid Index

SLG Liquid Index



<p>Gamma Ray (ECGR_EDTC) EDTC-B</p> <p>0 150 gAPI</p>	<p>Goodwin Sector Curves (5 Mrayl per Division)</p>	<p>Acoustic Impedance Minimum (AIMN) USIT-E</p> <p>-1 Mrayl 9</p>	<p>Minimum Flexural Attenuation (U-USIT_UF AN) USIT-E</p> <p>0 150 dB/m</p>	<p>Absent 1.500 3.500 5.500 7.500</p> <p>Custom Normalization</p> <p>USIT - Acoustic Impedance (AIBK) USIT-E (Mrayl)</p>	<p>0.000 71.000 99.000 127.000 155.000</p> <p>Custom Normalization</p> <p>USIT - Flexural Attenuation (UFAK) USIT-E (dB/m)</p>	<p>Absent 1.500 3.500</p> <p>Explicit Normalization</p> <p>USIT - Solid Liquid Gas Sorted Color Map (USLP) USIT-E</p>	<p>SLG Solid Index</p>
<p>Amplitude of Eccentricity (ECCE) USIT-E</p> <p>0 in 0.5</p>	<p>Goodwin Sector Curves (5 Mrayl per Division)</p>	<p>Acoustic Impedance Maximum (AIMX) USIT-E</p> <p>-1 Mrayl 9</p>	<p>Average Flexural Attenuation (U-USIT_UF AV) USIT-E</p> <p>0 150 dB/m</p>	<p>USIT - Acoustic Impedance (AIBK) USIT-E (Mrayl)</p>	<p>USIT - Flexural Attenuation (UFAK) USIT-E (dB/m)</p>	<p>USIT - Solid Liquid Gas Sorted Color Map (USLP) USIT-E</p>	<p>SLG Liquid Index</p>
							<p>SLG Gas Index</p>
							<p>SLG White Point Index</p>

Motor
Revolution Speed
(RSAV)
USIT-E
6 c/s 8

(AIAV)
USIT-E
-1 Mrayl 9

Maximum
Flexural
Attenuation
(U-USIT_UF
AX) USIT-E
0 150
dB/m

TIME_1900 - Time Marked every 60.00 (s)

Description: USI Goodwin Format: Log (IBC Goodwin) Index Scale: 0.1 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 16-Sep-2022 02:59:55

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One: Parameters

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GCSE_UP_PASS	Generalized Caliper Selection for WL Log Up Passes	Borehole	BS(RT)	
HEMA	Hematite Presence Flag	Borehole	No	
IBC_FRP_OFFSET	IBC Flexural Offset from Free Pipe	USIT-E	-49.03	dB/m
IBC_FVEL_SEL	IBC Fluid Velocity Selection	USIT-E	Automatic	
IBC_OFFSET_SEL	IBC Flexural Offset Selector	USIT-E	UFAO	
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ICE2_ACQ	Ultrasonic ICE2 Acquisition	USIT-E	Yes	
UPAT	USIT Emission Pattern	USIT-E	Pattern 750 KHz	
UWKM	USIT Working Mode	USIT-E	10 deg at 6.0 in	
U-USIT_UTAN	Transducer Angles	USIT-E	33_DEG	
VRES	Vertical Resolution	USIT-E	6.0 in	

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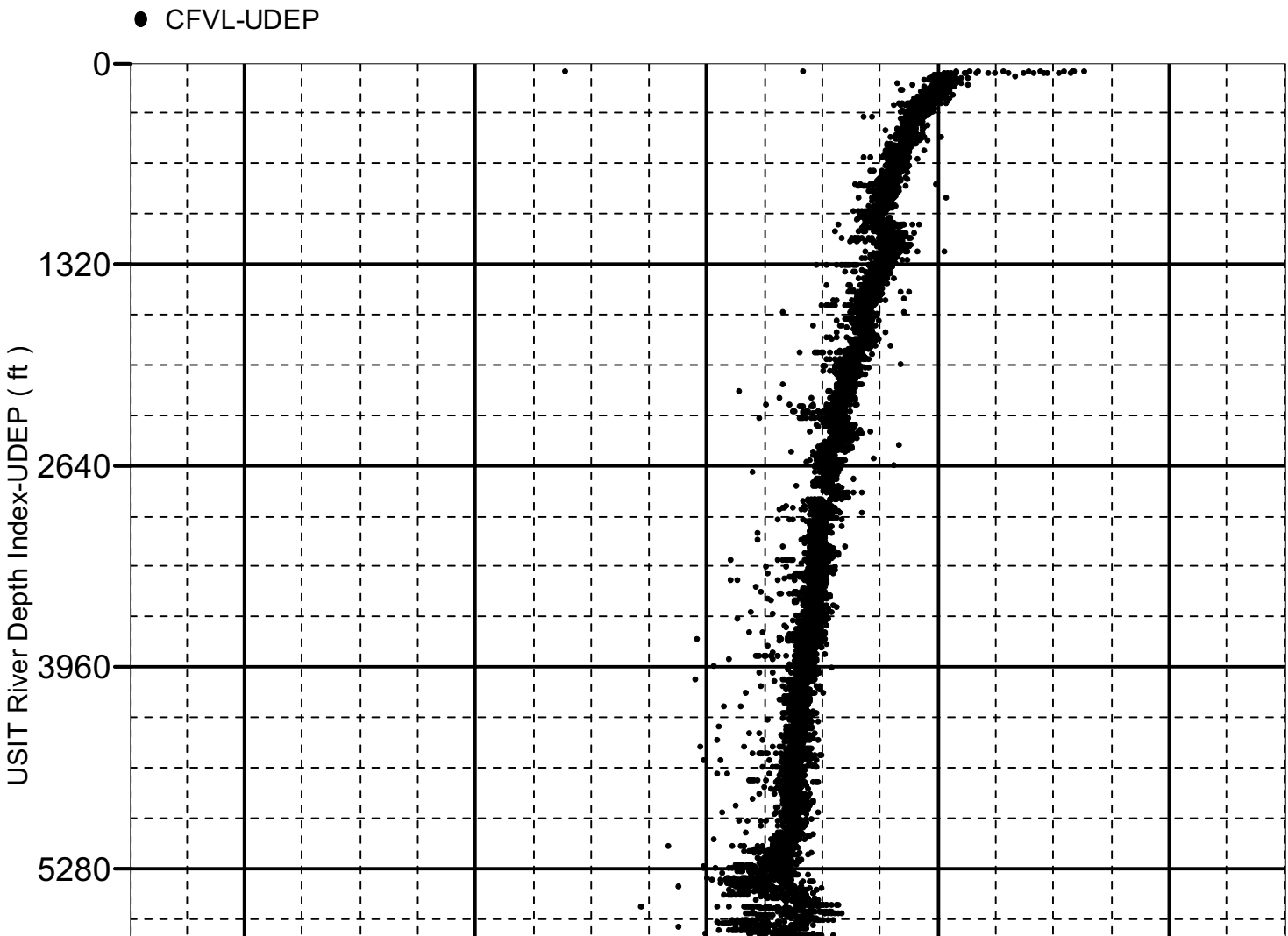
All depth are at tool zero.

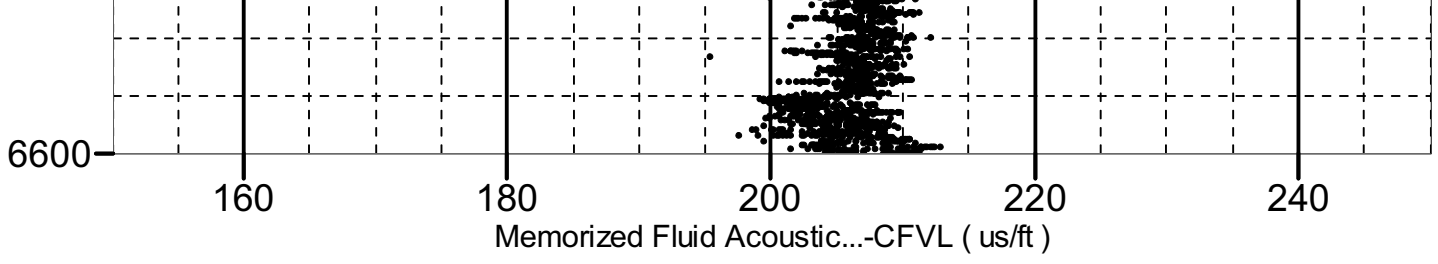
XYZ Company:Occidental Petroleum Corporation Well:Mead Place 12-22 One: Log[6]:Up:S010

Fluid Acoustic Slowness vs Depth

2D Cross Plot

Index Range: From 6813.00 to 72.50 ft





XYZ

Company: Occidental Petroleum Corporation Well: Mead Place 12-22

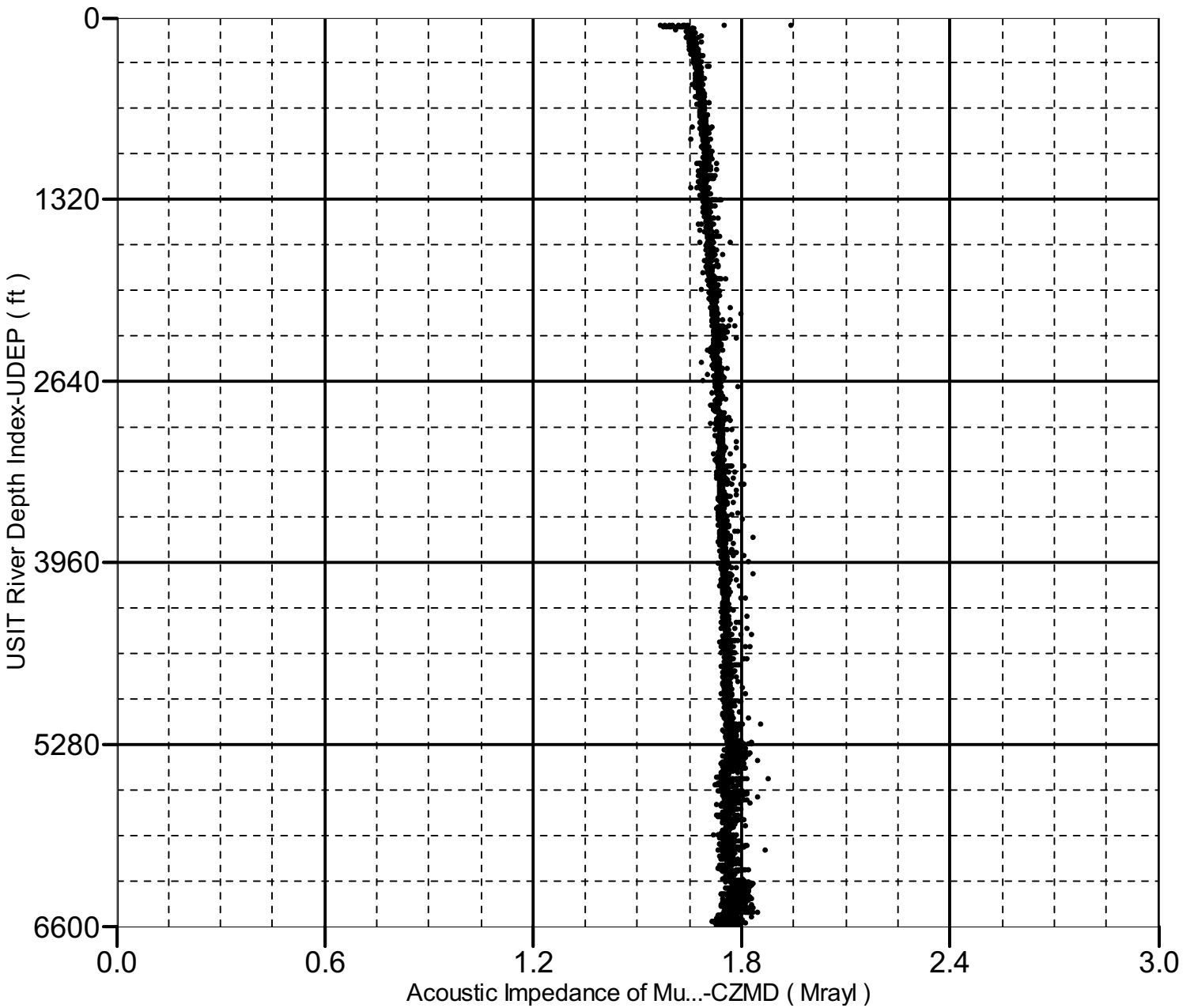
One: Log[6]:Up:S010

Acoustic Impedance of Mud vs Depth

2D Cross Plot

Index Range: From 6813.00 to 72.50 ft

● CZMD-UDEP



Company: Occidental Petroleum Corporation

Schlumberger

Well: Mead Place 12-22

Field: Wattenberg

County: Weld

Country: United States

Isolation Scanner

Isolation Scanner

Cement Evaluation

Gamma Ray - CCL Log