



IBC SLG COMPOSITE

MAXIS Field Log

Company: ExxonMobil Production Corp. Well: PCU 197-34A7

Input DLIS Files					
	USI_TLD_MCFL_CNL_003PUP	FN:2	19-Aug-2010 15:14	8250.5 FT	3495.5 FT
Output DLIS Files					
DEFAULT	USI_TLD_MCFL_CNL_006PUP	FN:4	PRODUCER	19-Aug-2010 16:32	8250.5 FT 3495.5 FT

Image rotation (UCAZ) (DEG)	0360																					
Gamma Ray (GR) (GAPI)	0150																					
RSAV (RSAP) (RPS)	67.5																					
CCL (CCLU) (----)	-2020																					
			Min of Internal radius (IRMN) (IN)		Min of Internal radius (IRMN) (IN)																	
			3.72.7		2.73.7																	
			Internal radius Maximum (IRMX) (IN)		Internal radius Maximum (IRMX) (IN)																	
			3.72.7		2.73.7																	
			Internal radius Average (IRAV) (IN)		Internal radius Average (IRAV) (IN)																	
			3.72.7		2.73.7																	
			External radius Average (ERAV) (IN)		External radius Average (ERAV) (IN)																	
			3.72.7		2.73.7																	
			Min of Thickness (THMN) (IN)		Min of Thickness (THMN) (IN)																	
			0.10.6		0.10.6																	
			Average of Thickness (THAV) (IN)		Average of Thickness (THAV) (IN)																	
			0.10.6		0.10.6																	
			Eccent. (ECCE) (IN)		Eccent. (ECCE) (IN)																	
			00.5		00.5																	
			Process. flags (UFLG) (----)		Process. flags (UFLG) (----)																	
			0.5000 1.5000 2.5000 3.5000 6.5000		0.5000 1.5000 2.5000 3.5000 6.5000																	
			Amplitude of echo minus Max (AWBK) (DB)		Amplitude of echo minus Max (AWBK) (DB)																	
			-500.0000 -6.0000 -5.6000 -5.2000 -4.8000 -4.4000 -4.0000 -3.6000 -3.2000 -2.8000 -2.4000 -2.0000 -1.6000 -1.2000 -0.8000 -0.4000 0.5000		-500.0000 -6.0000 -5.6000 -5.2000 -4.8000 -4.4000 -4.0000 -3.6000 -3.2000 -2.8000 -2.4000 -2.0000 -1.6000 -1.2000 -0.8000 -0.4000 0.5000																	
			External radius Average (ERAV) (IN)		External radius Average (ERAV) (IN)																	
			3.72.7		2.73.7																	
			Internal radii minus Ave (IRBK) (IN)		Internal radii minus Ave (IRBK) (IN)																	
			-500.0000 -0.0760 -0.0680 -0.0600 -0.0520 -0.0440 -0.0360 -0.0280 -0.0200 -0.0120 -0.0040 0.0040 0.0120 0.0200 0.0280 0.0360 0.0440 0.0520 0.0600 0.0680 0.0760		-500.0000 -0.0760 -0.0680 -0.0600 -0.0520 -0.0440 -0.0360 -0.0280 -0.0200 -0.0120 -0.0040 0.0040 0.0120 0.0200 0.0280 0.0360 0.0440 0.0520 0.0600 0.0680 0.0760																	
			Min of Thickness (THMN) (IN)		Min of Thickness (THMN) (IN)																	
			0.10.6		0.10.6																	
			Thickness minus Ave (THBK) (IN)		Thickness minus Ave (THBK) (IN)																	
			-500.0000 -0.0760 -0.0680 -0.0600 -0.0520 -0.0440 -0.0360 -0.0280 -0.0200 -0.0120 -0.0040 0.0040 0.0120 0.0200 0.0280 0.0360 0.0440 0.0520 0.0600 0.0680 0.0760		-500.0000 -0.0760 -0.0680 -0.0600 -0.0520 -0.0440 -0.0360 -0.0280 -0.0200 -0.0120 -0.0040 0.0040 0.0120 0.0200 0.0280 0.0360 0.0440 0.0520 0.0600 0.0680 0.0760																	
			Raw Acoustic Imped. (AIBK) (MRAY)		Raw Acoustic Imped. (AIBK) (MRAY)																	
			-500.0000 0.5000 1.0000 1.5000 2.0000 2.5000 3.0000 3.5000 4.0000 4.5000 5.0000 5.5000 6.0000 6.5000 7.0000 7.5000 8.0000		-500.0000 0.5000 1.0000 1.5000 2.0000 2.5000 3.0000 3.5000 4.0000 4.5000 5.0000 5.5000 6.0000 6.5000 7.0000 7.5000 8.0000																	
			Flexural Attenuation (U-USIT_UFAK) (DB/M)		Flexural Attenuation (U-USIT_UFAK) (DB/M)																	
			0.0000 50.0000 57.0000 64.0000 71.0000 78.0000 85.0000 92.0000 99.0000 106.0000 113.0000 120.0000 127.0000 134.0000 141.0000 148.0000 155.0000		0.0000 50.0000 57.0000 64.0000 71.0000 78.0000 85.0000 92.0000 99.0000 106.0000 113.0000 120.0000 127.0000 134.0000 141.0000 148.0000 155.0000																	
			Solid Liquid Gas Map (U-USIT_USLP) (----)		Solid Liquid Gas Map (U-USIT_USLP) (----)																	
			0.5000 1.5000 2.5000 3.5000		0.5000 1.5000 2.5000 3.5000																	

3500

UCAZ

RSAP

GR

UCAZ

UCAZ

UCAZ

IRMN

IRMX

IRAV

ERAV

UCAZ

UCAZ

UCAZ

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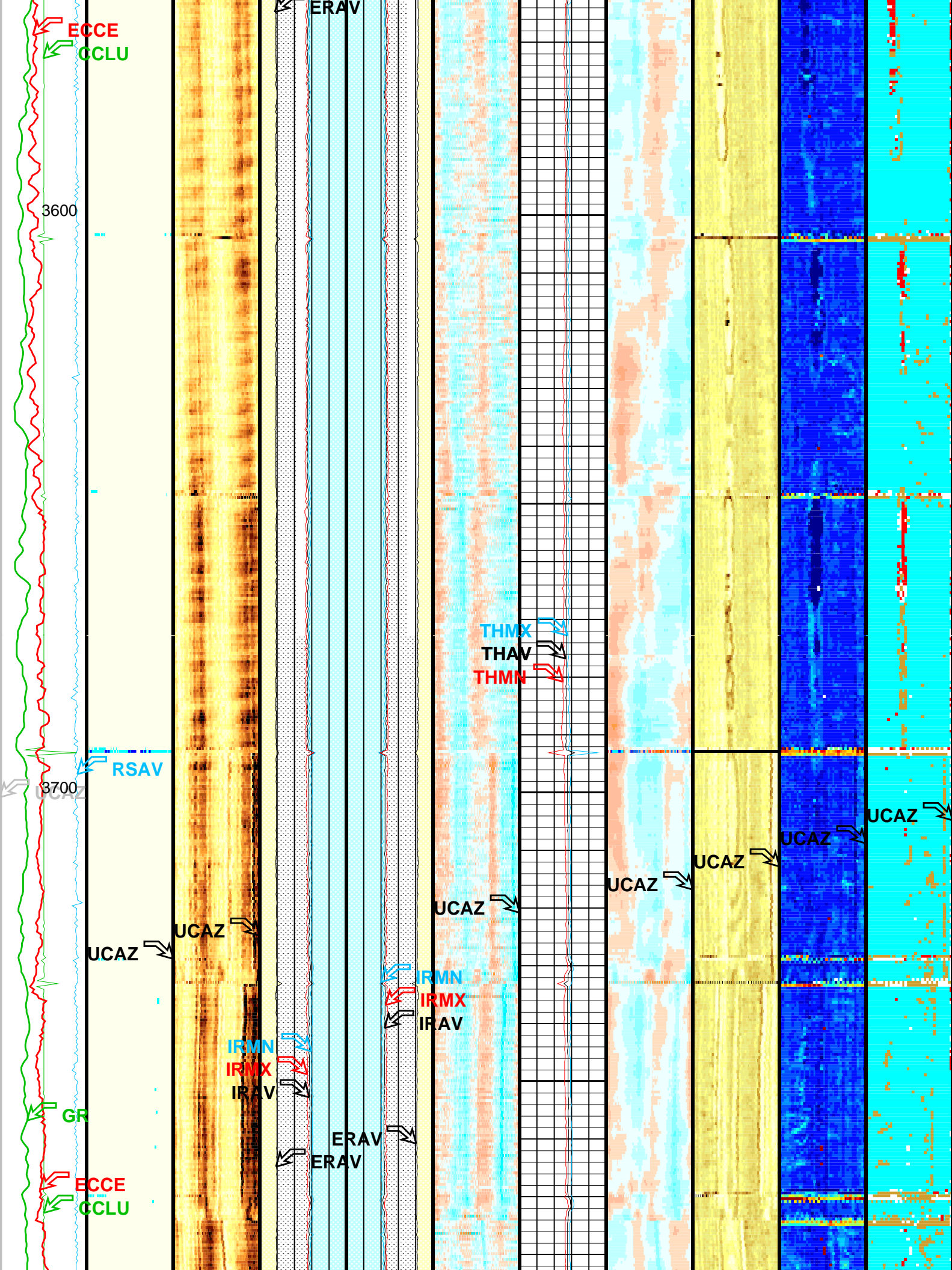
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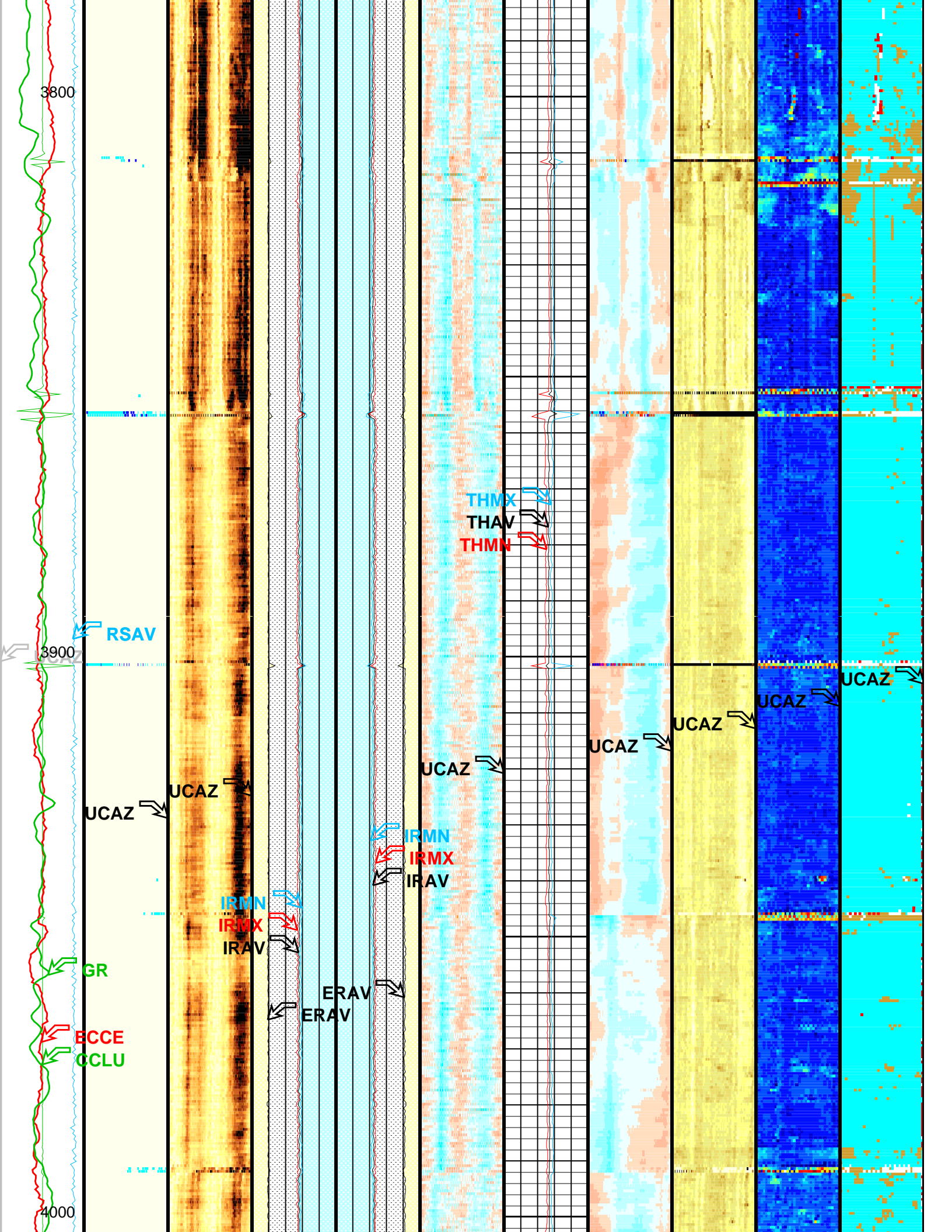
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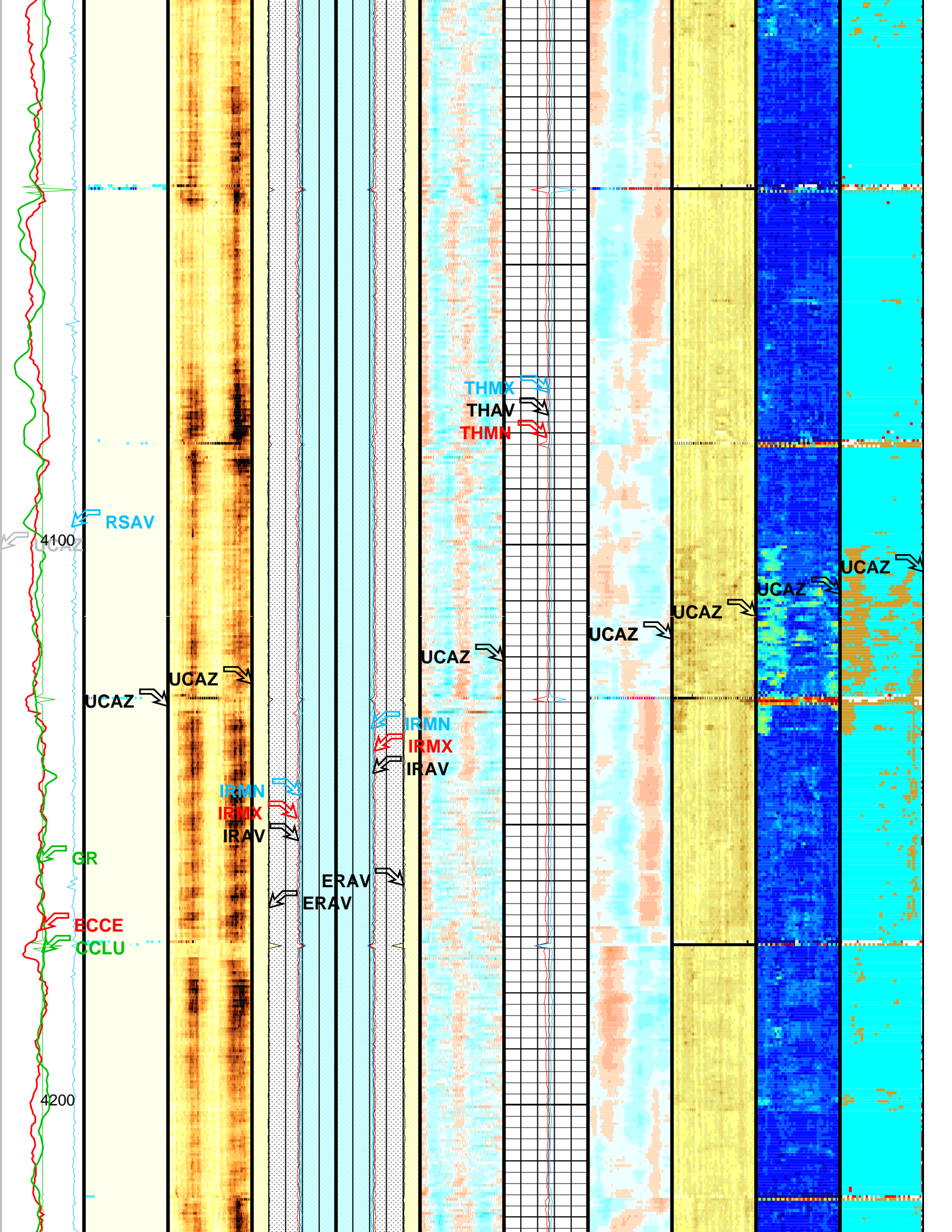
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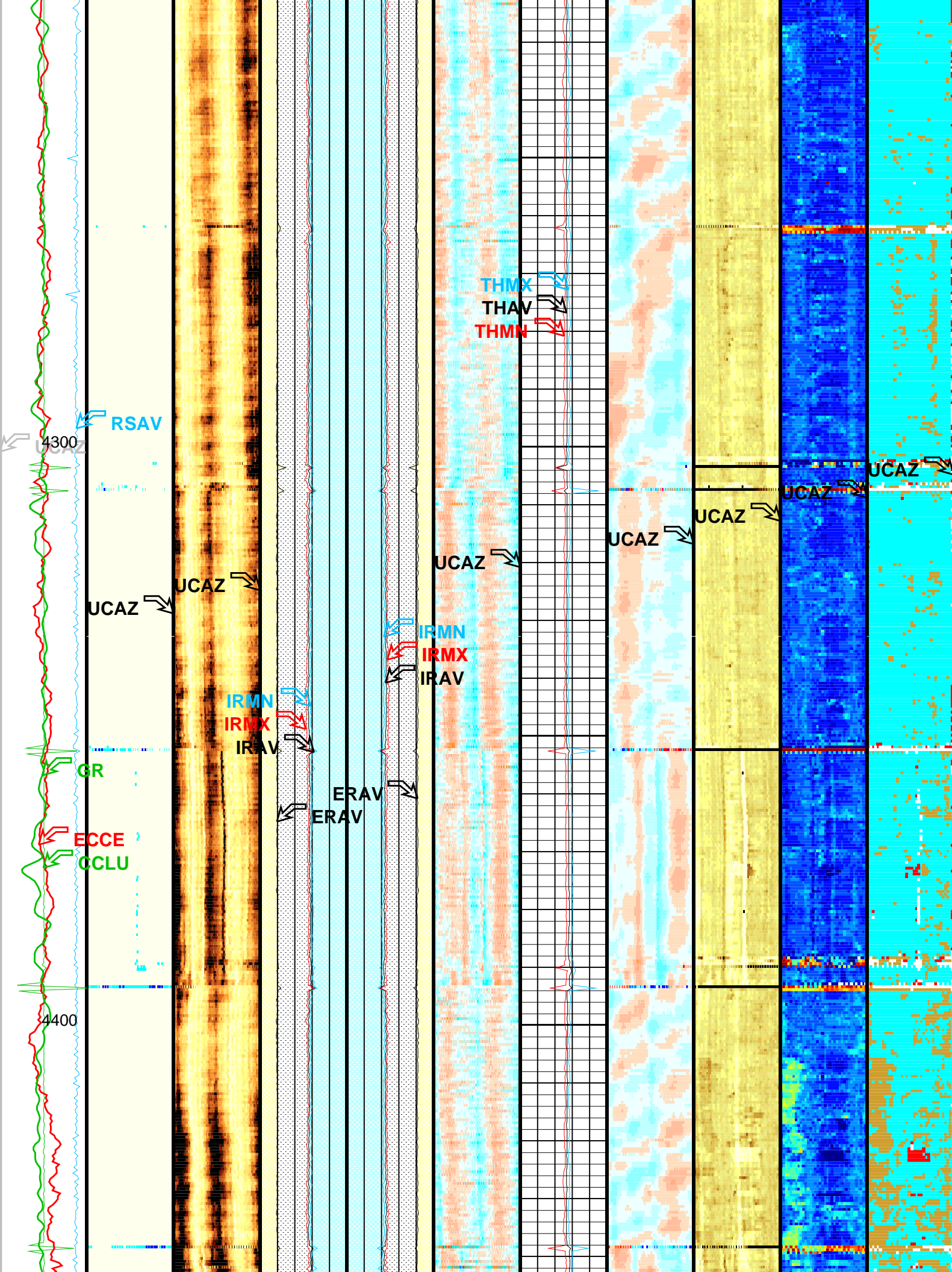
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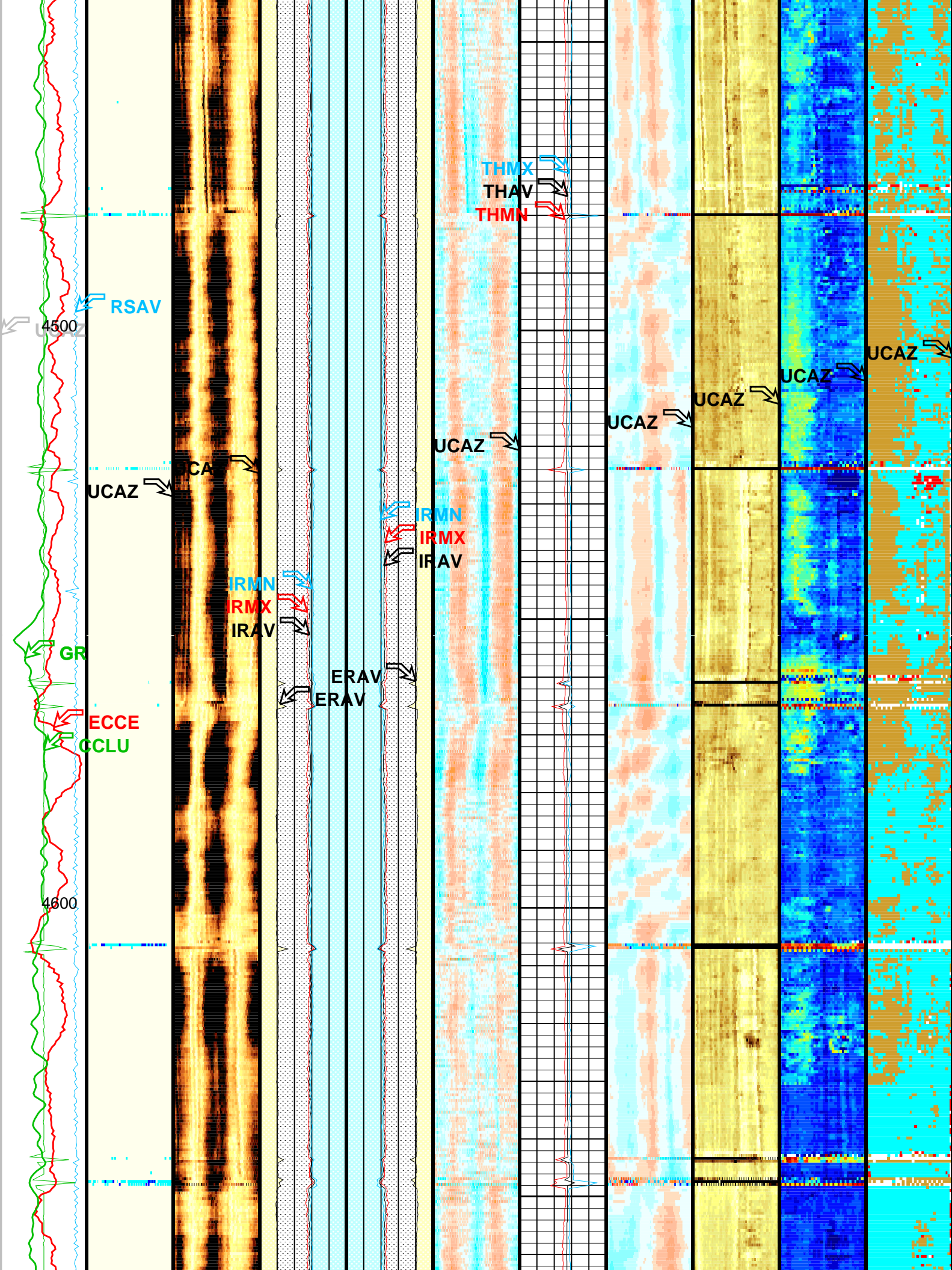
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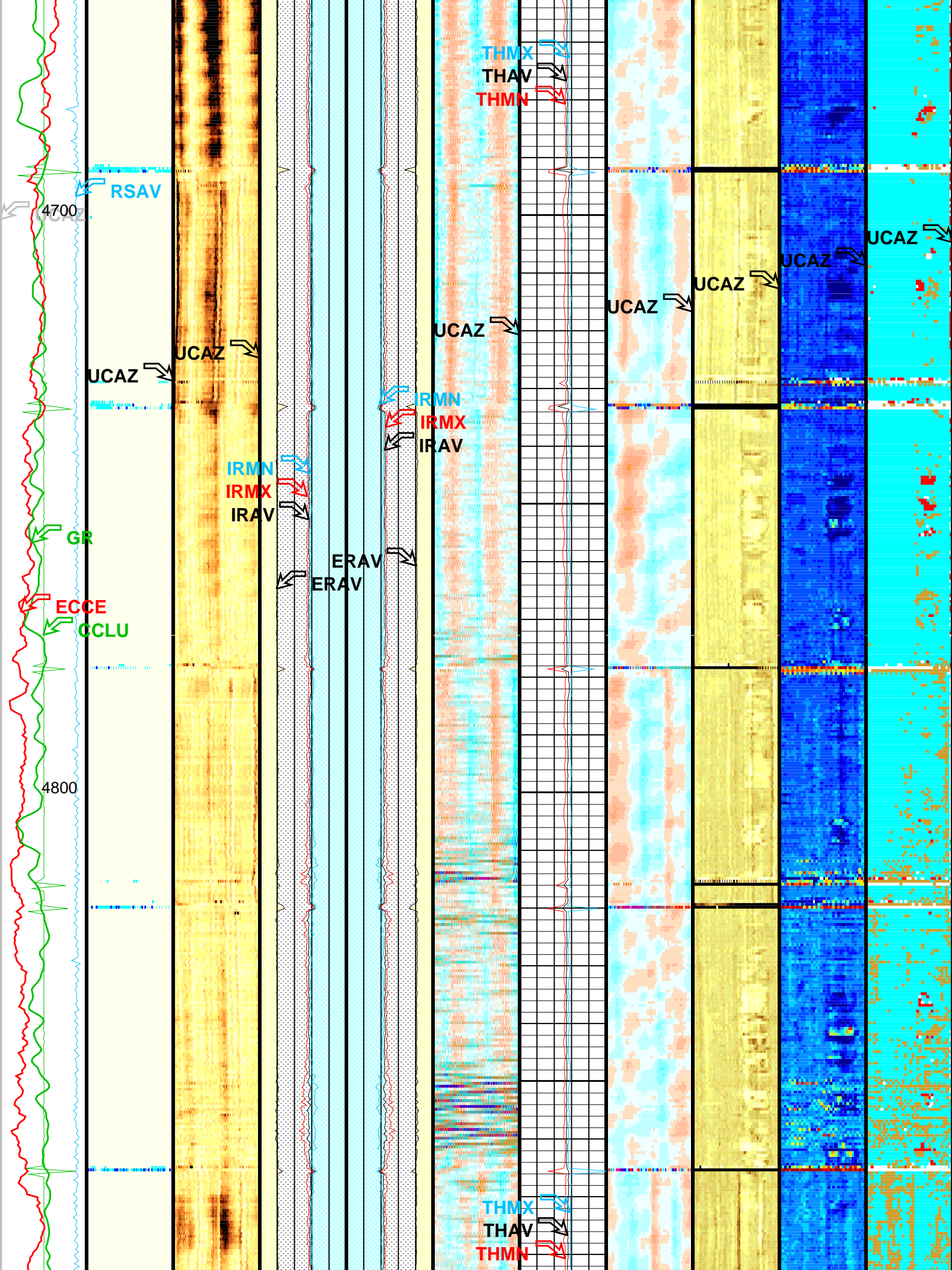


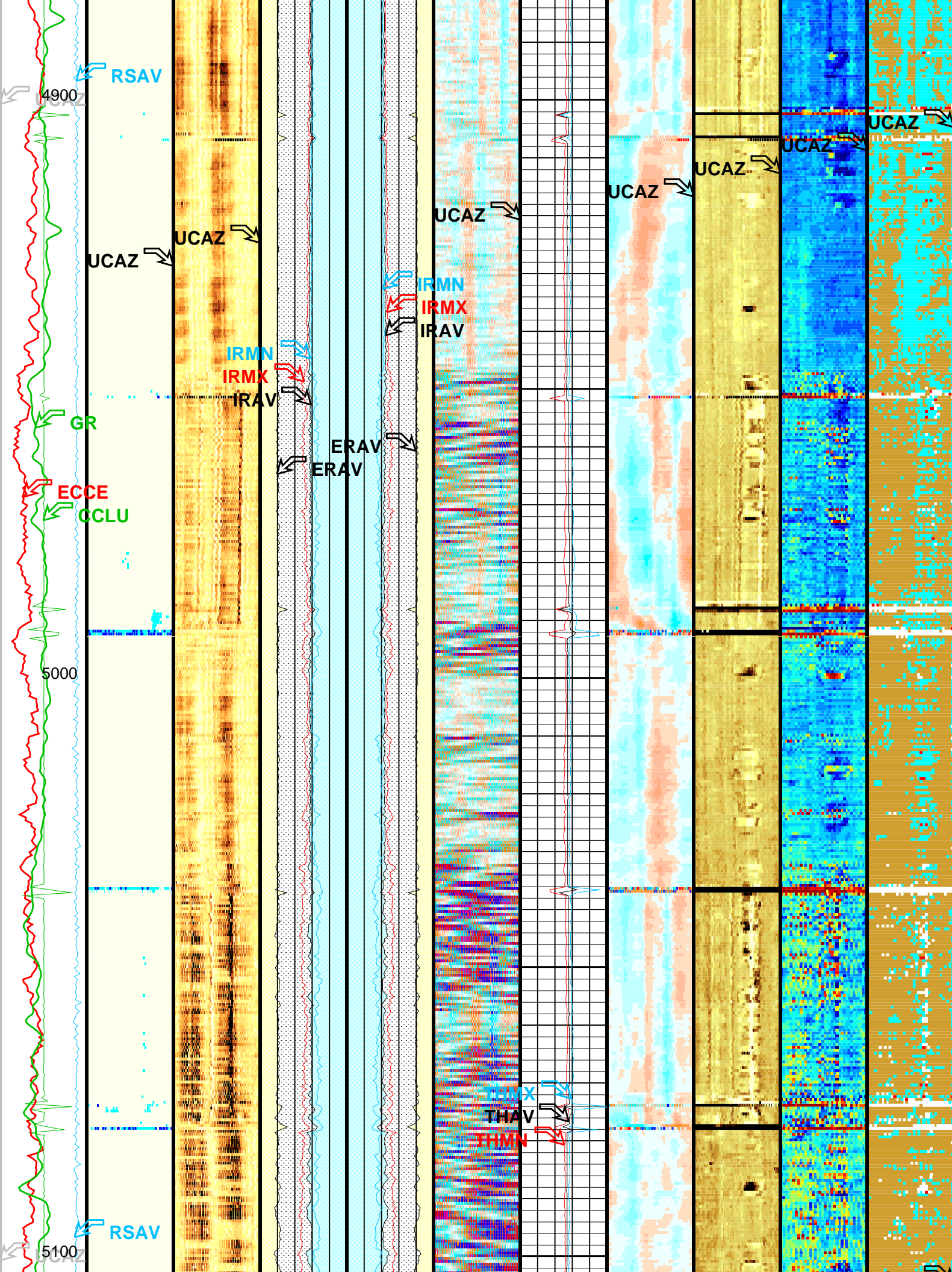


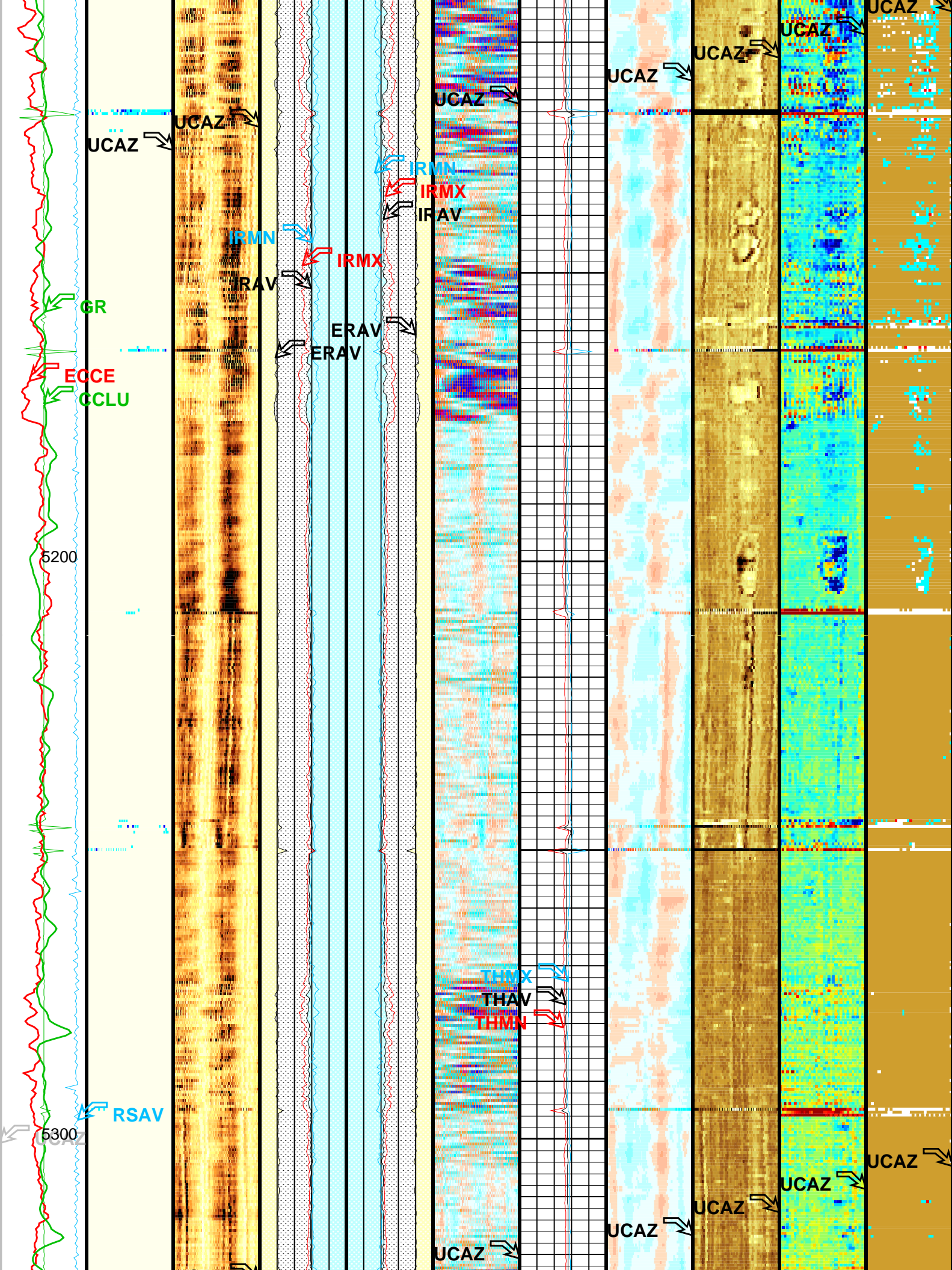


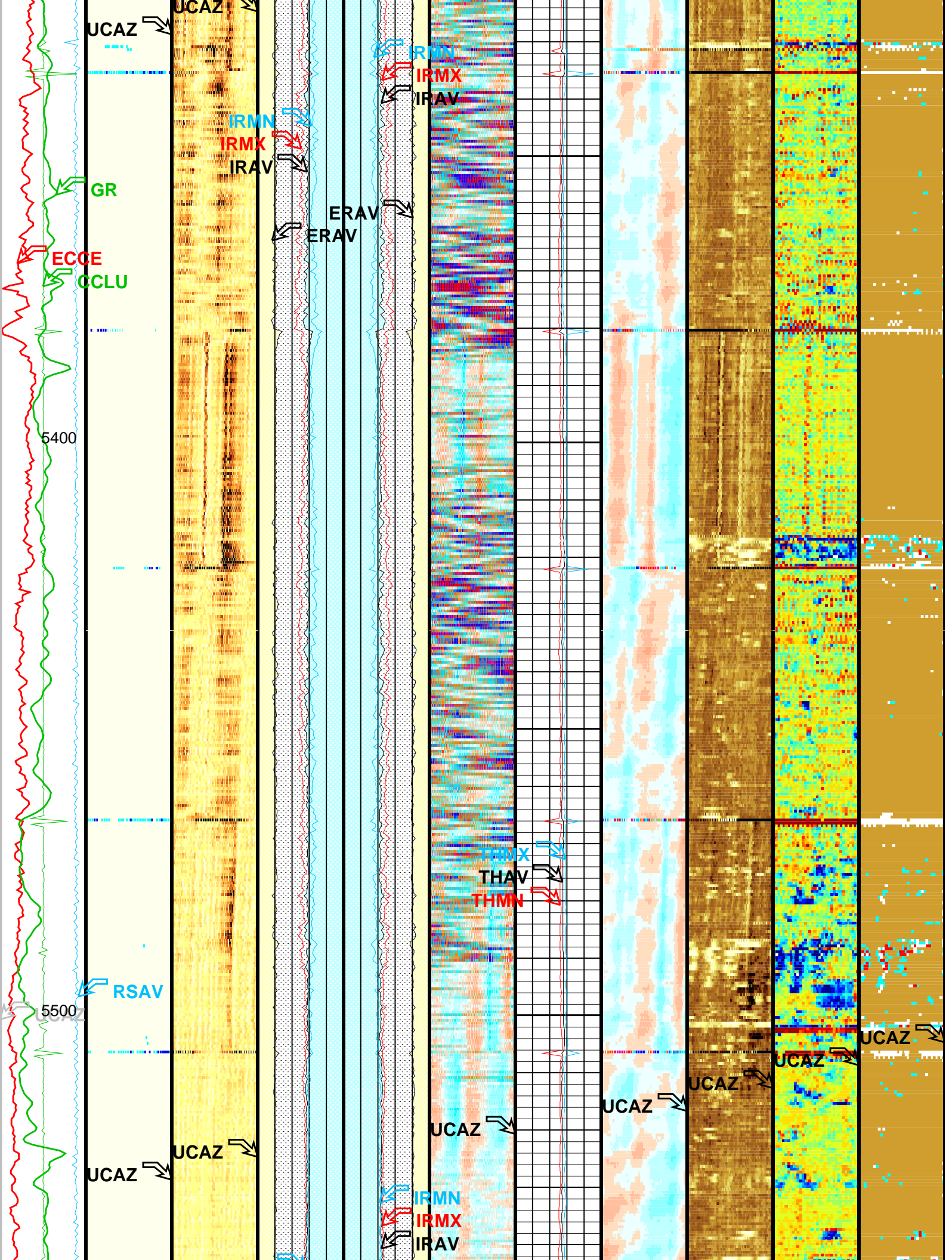


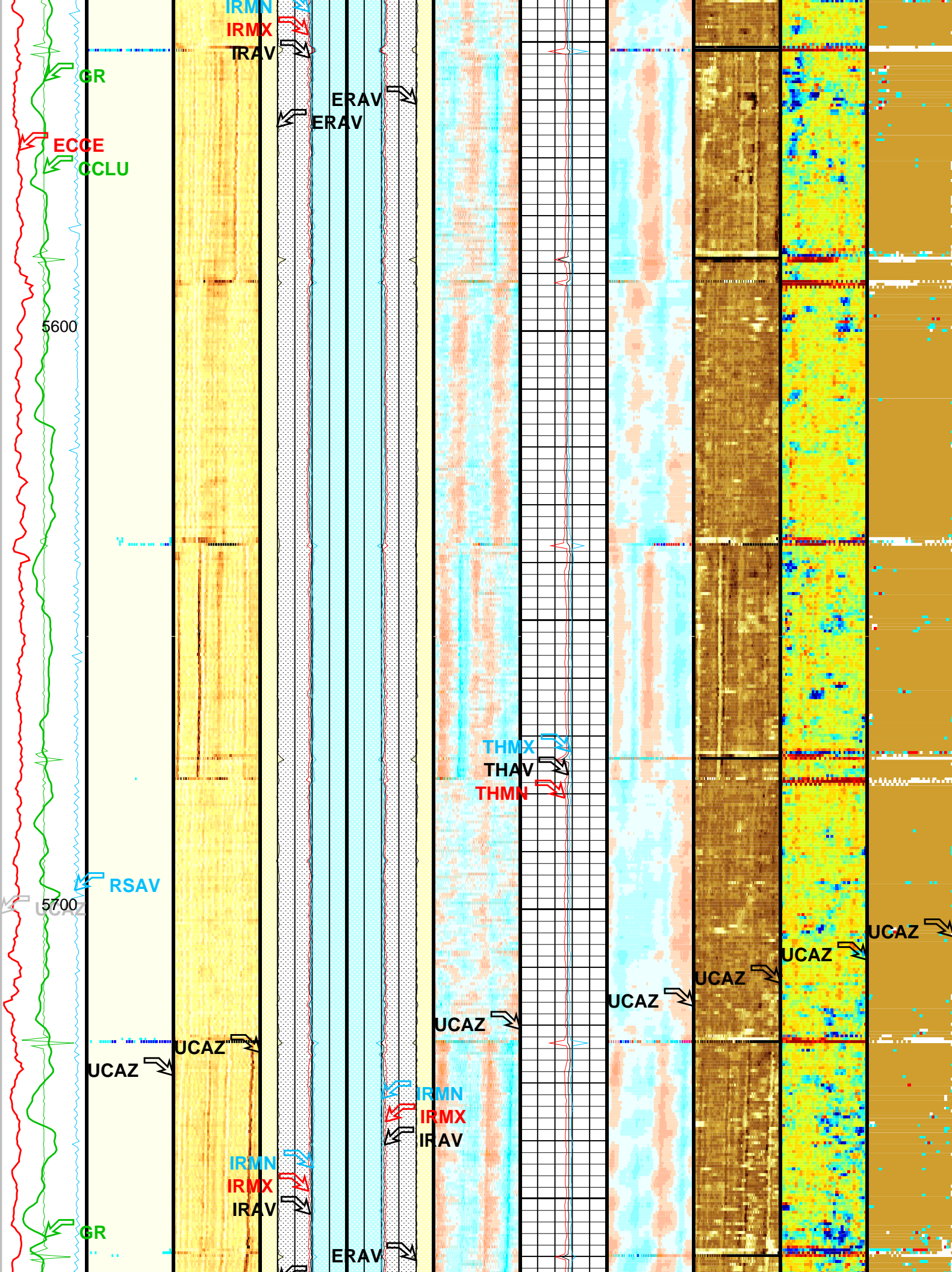


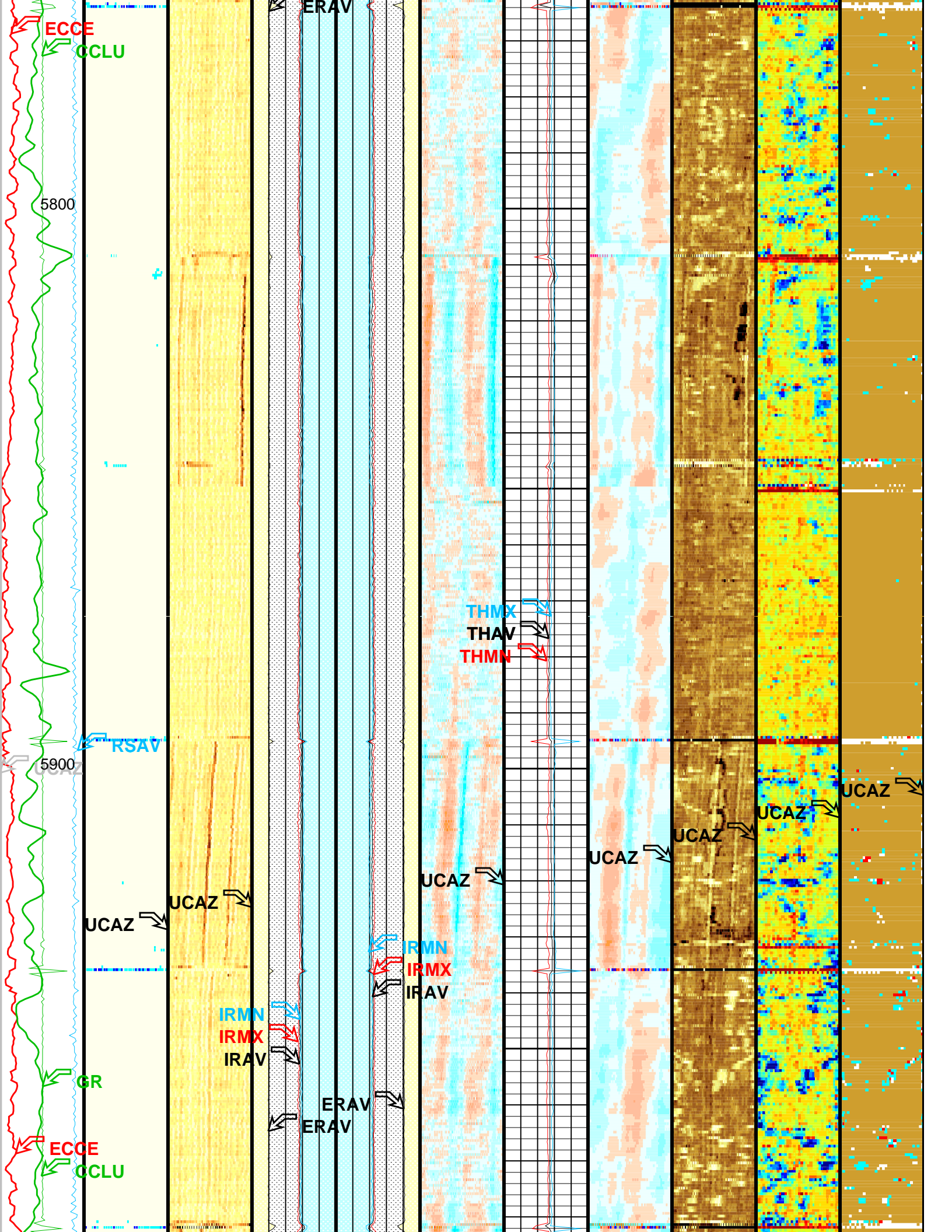


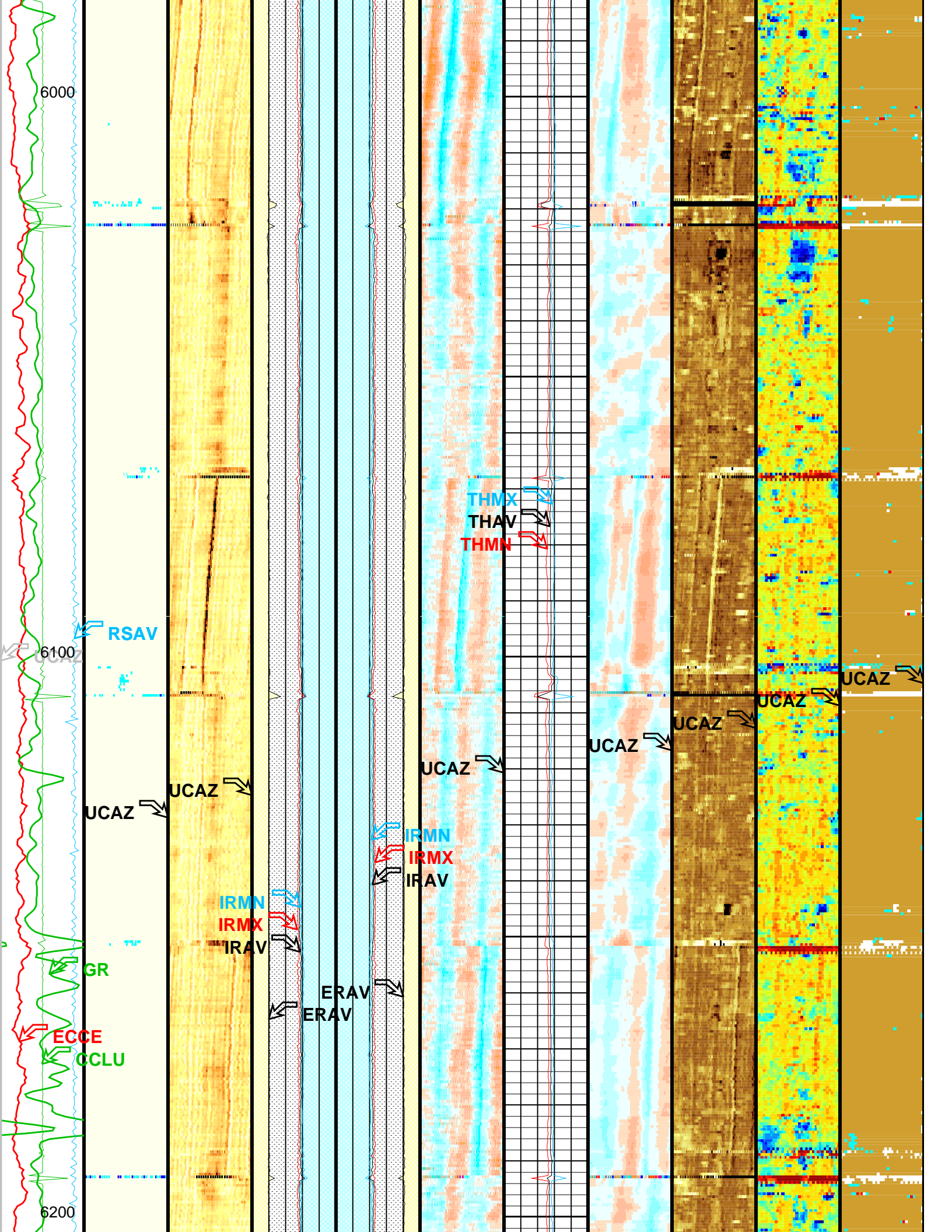


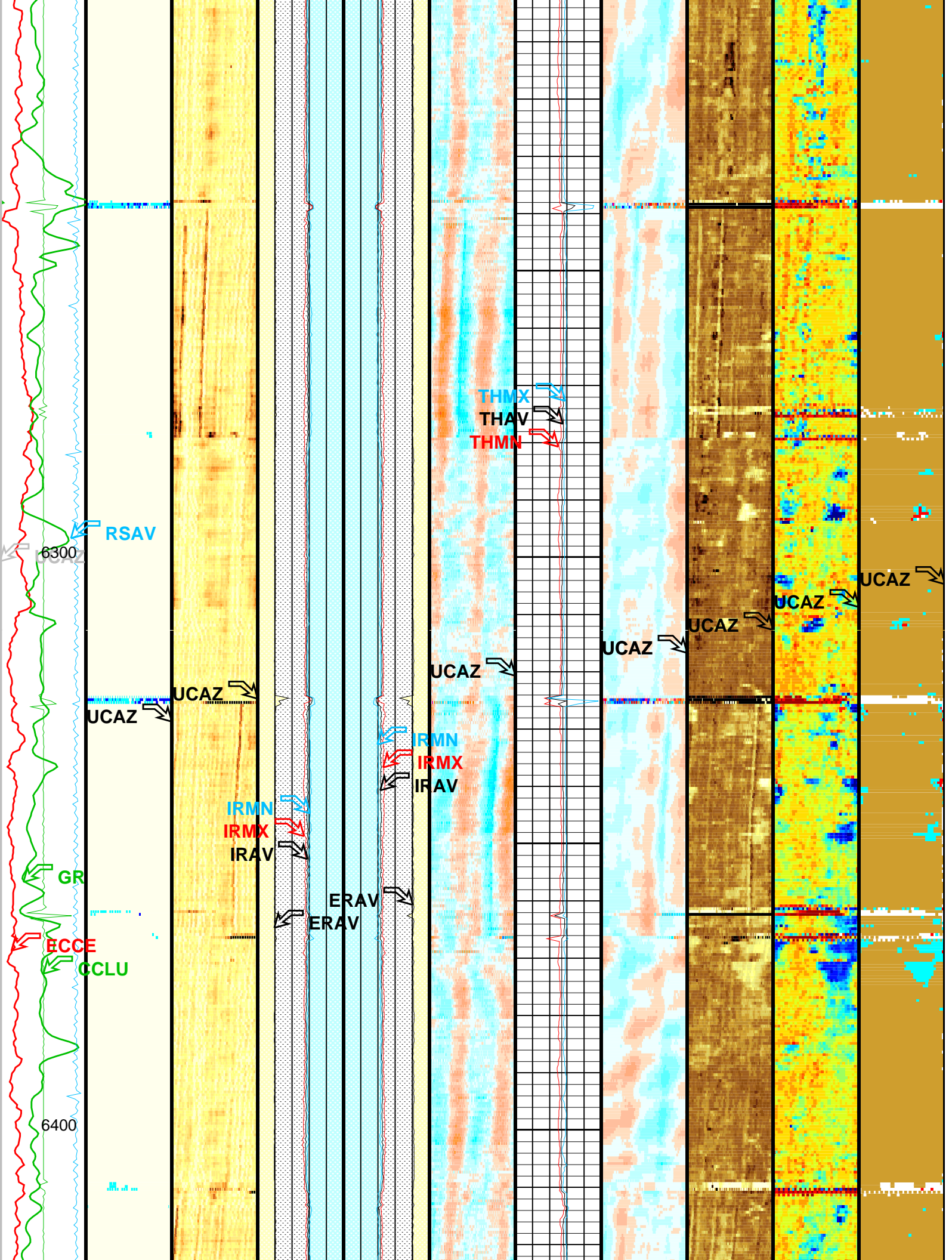


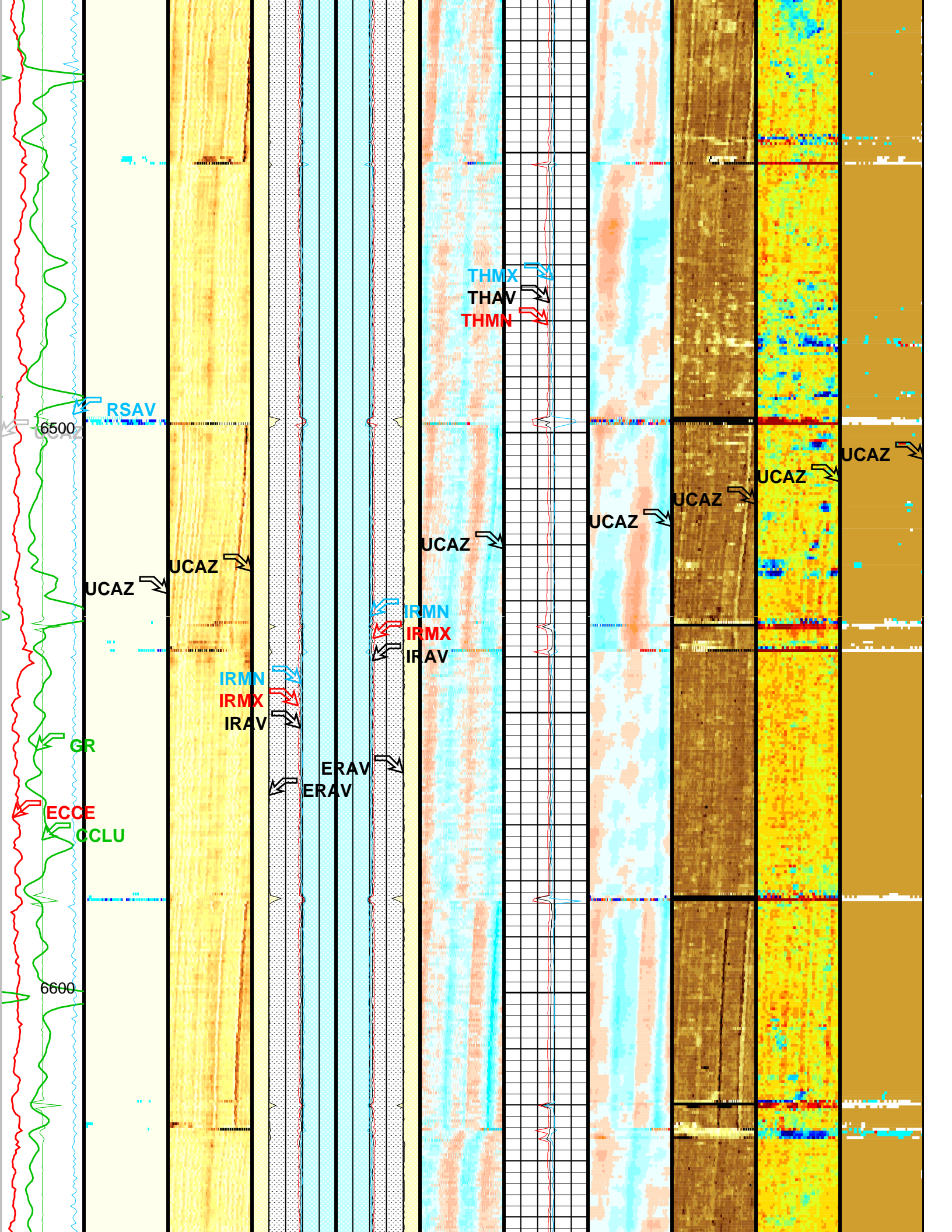


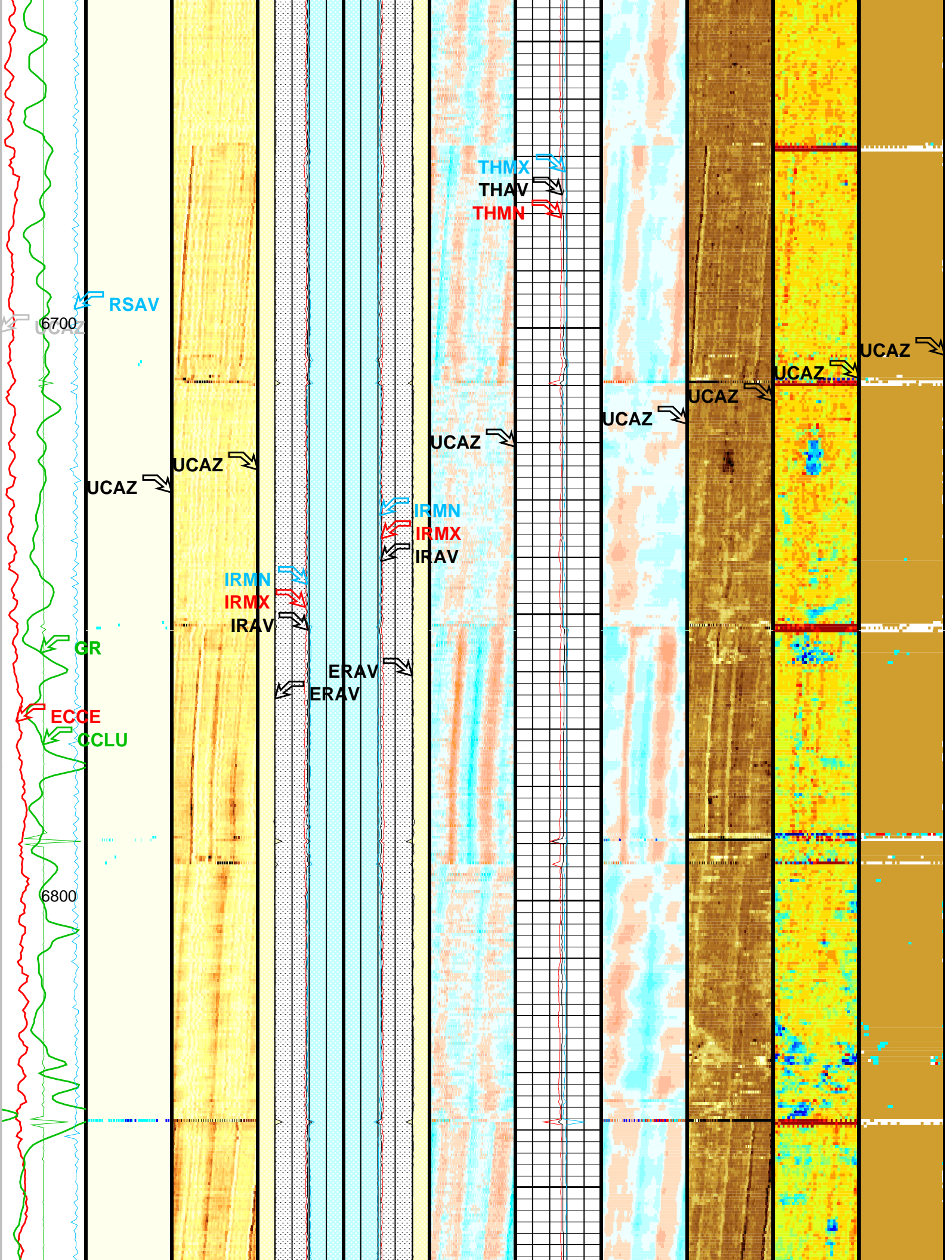


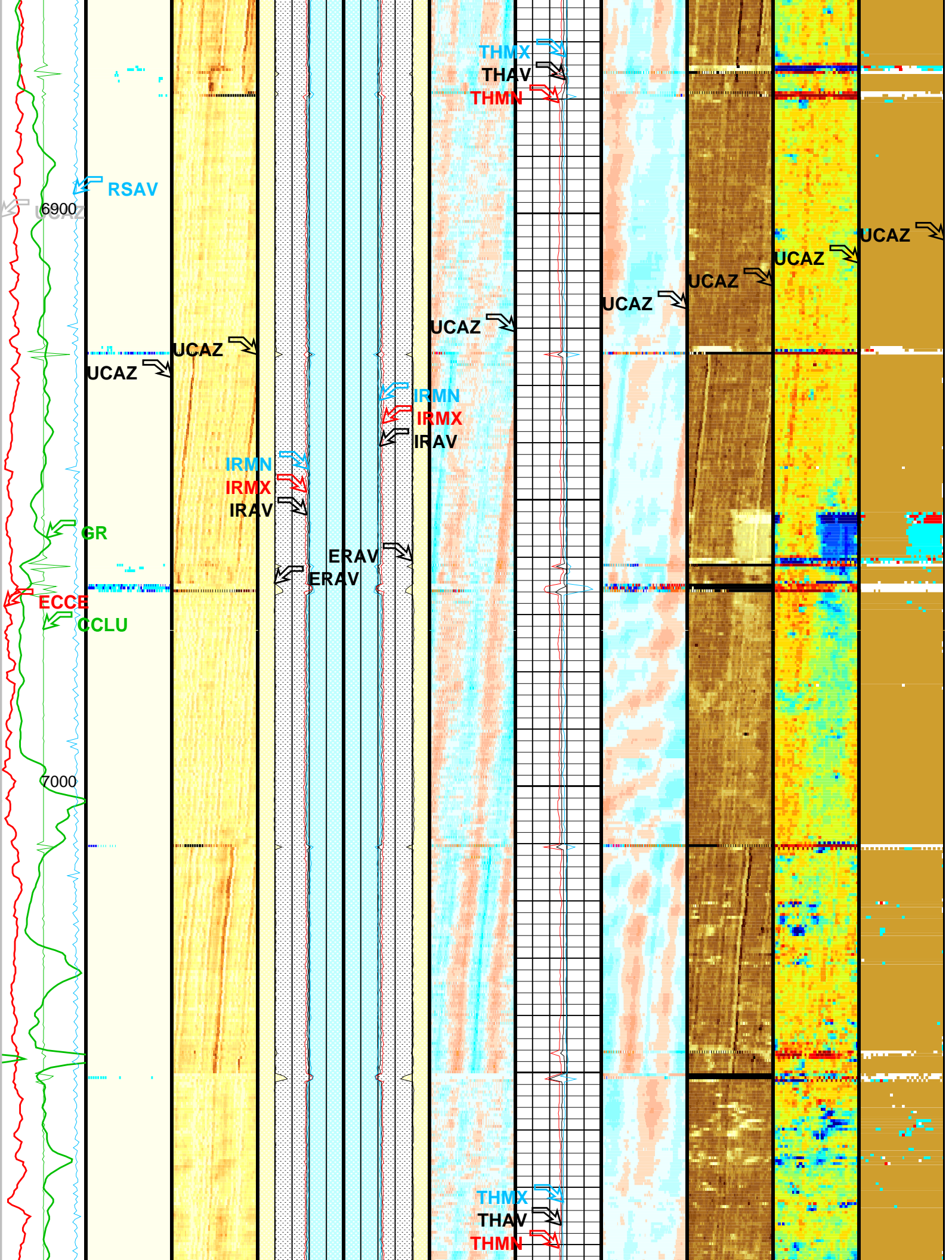


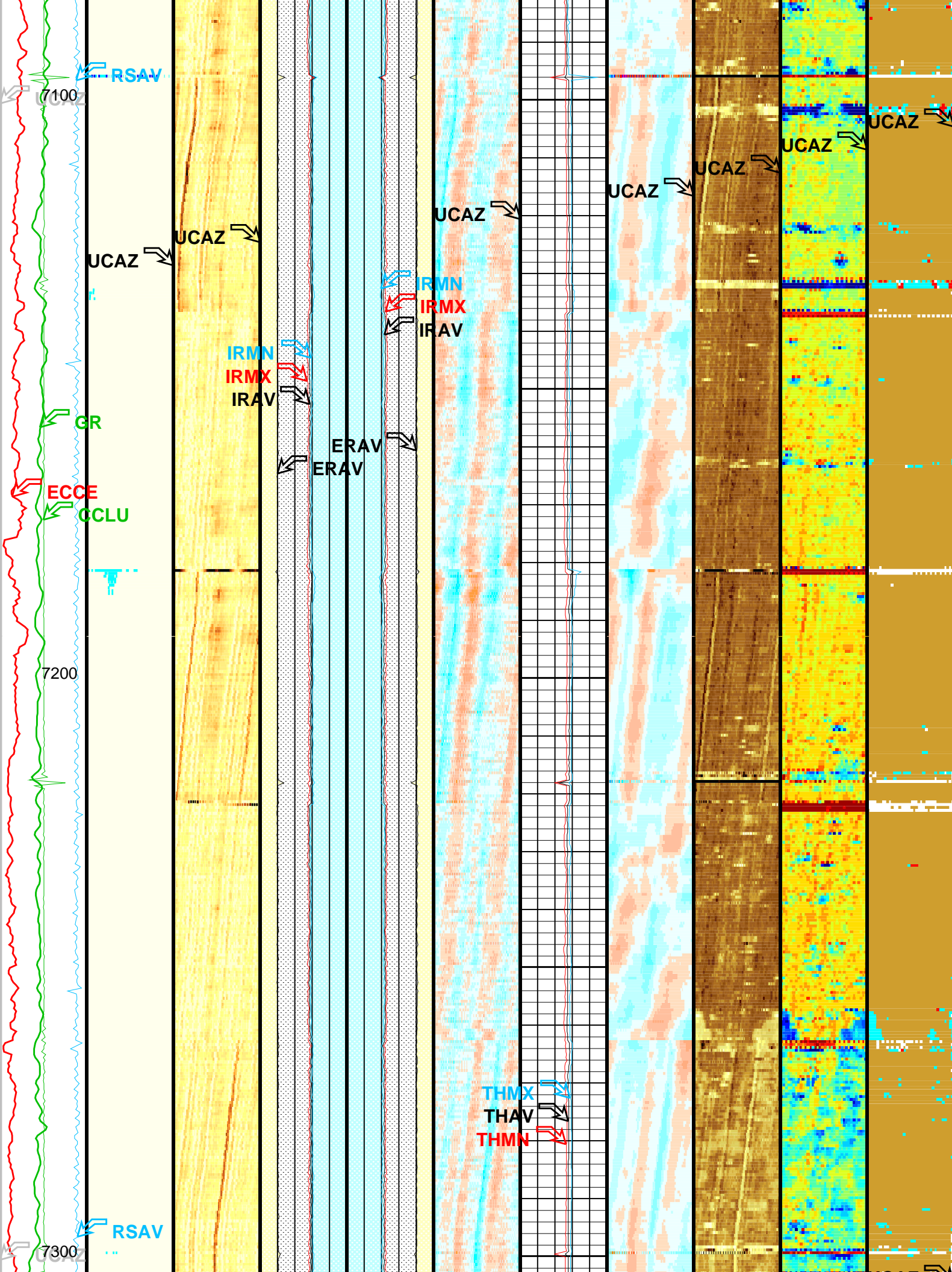


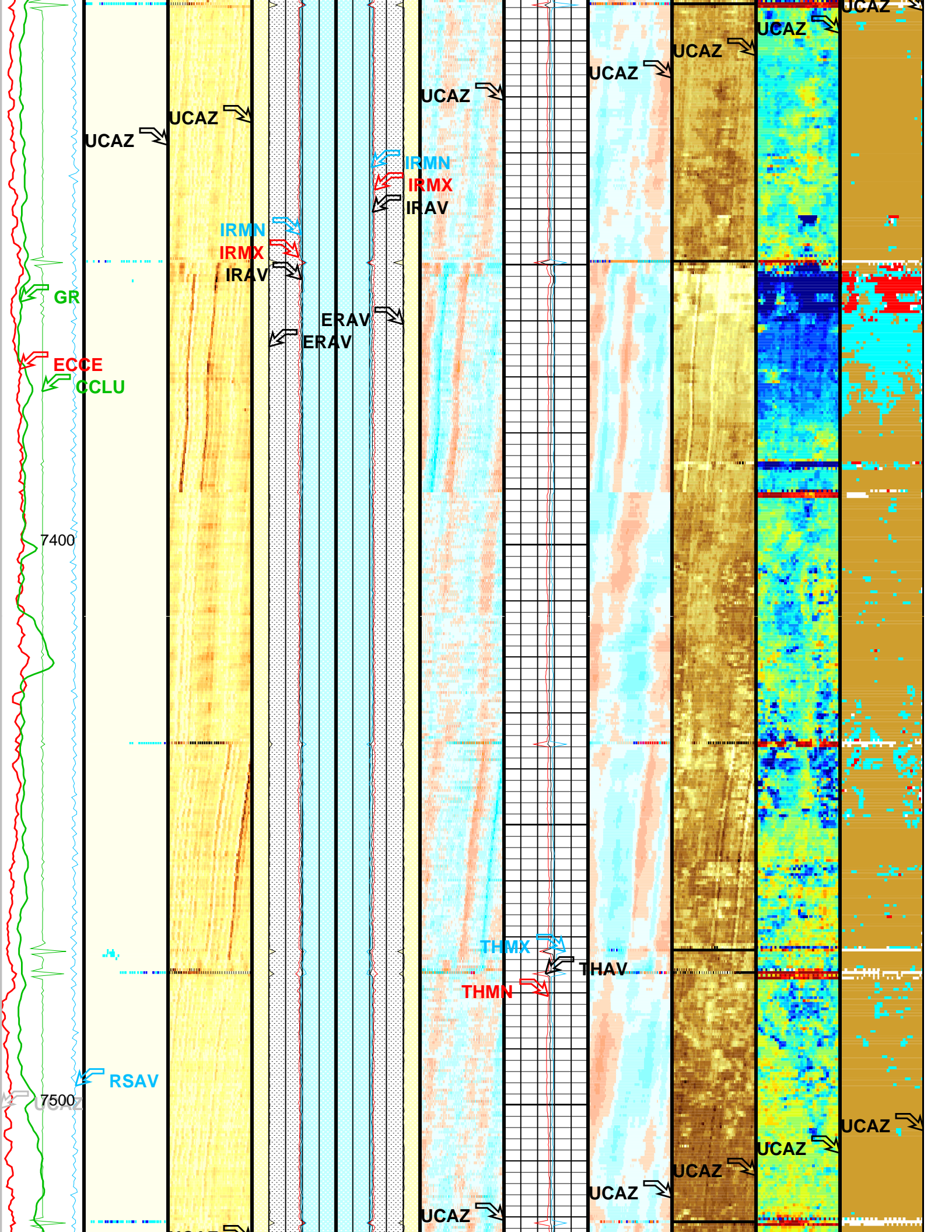


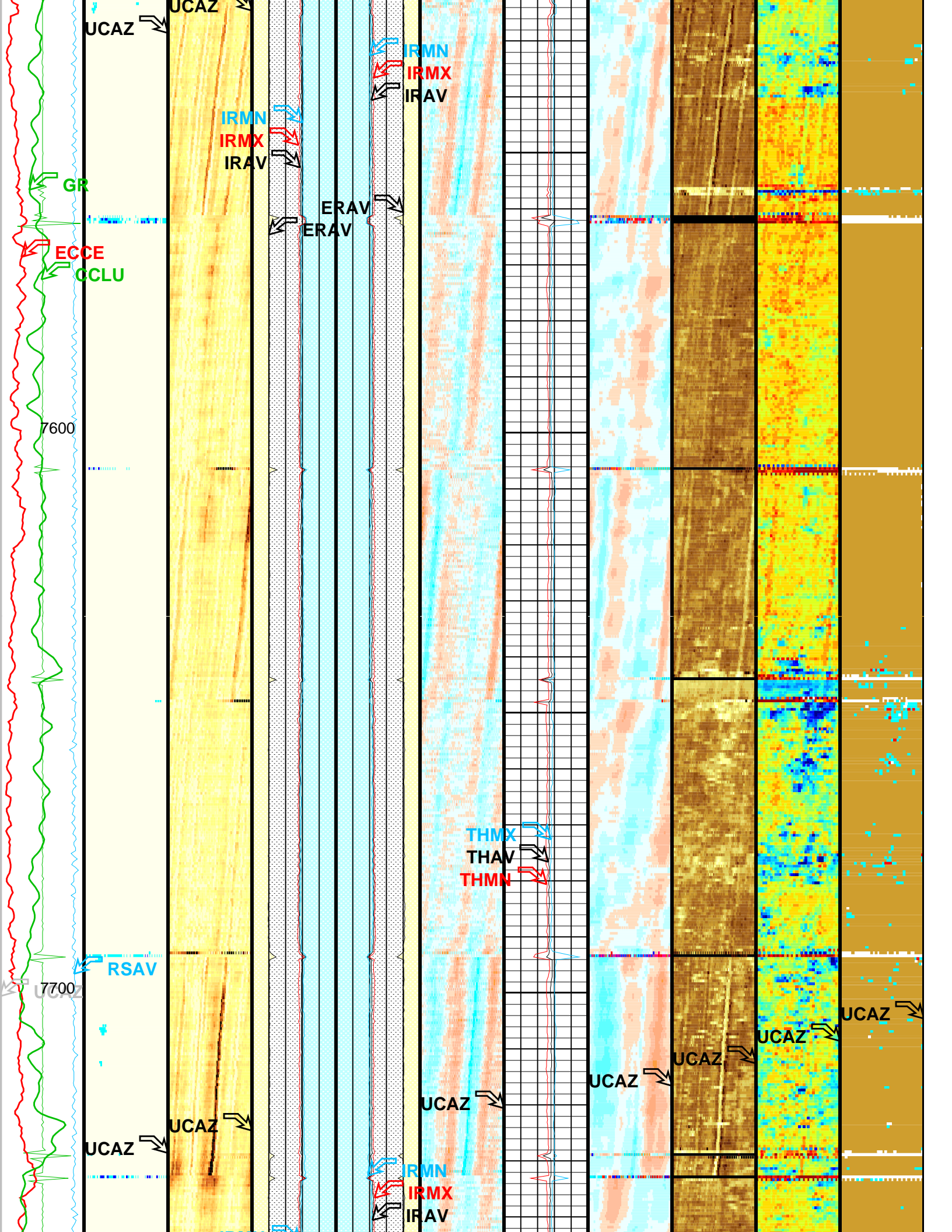


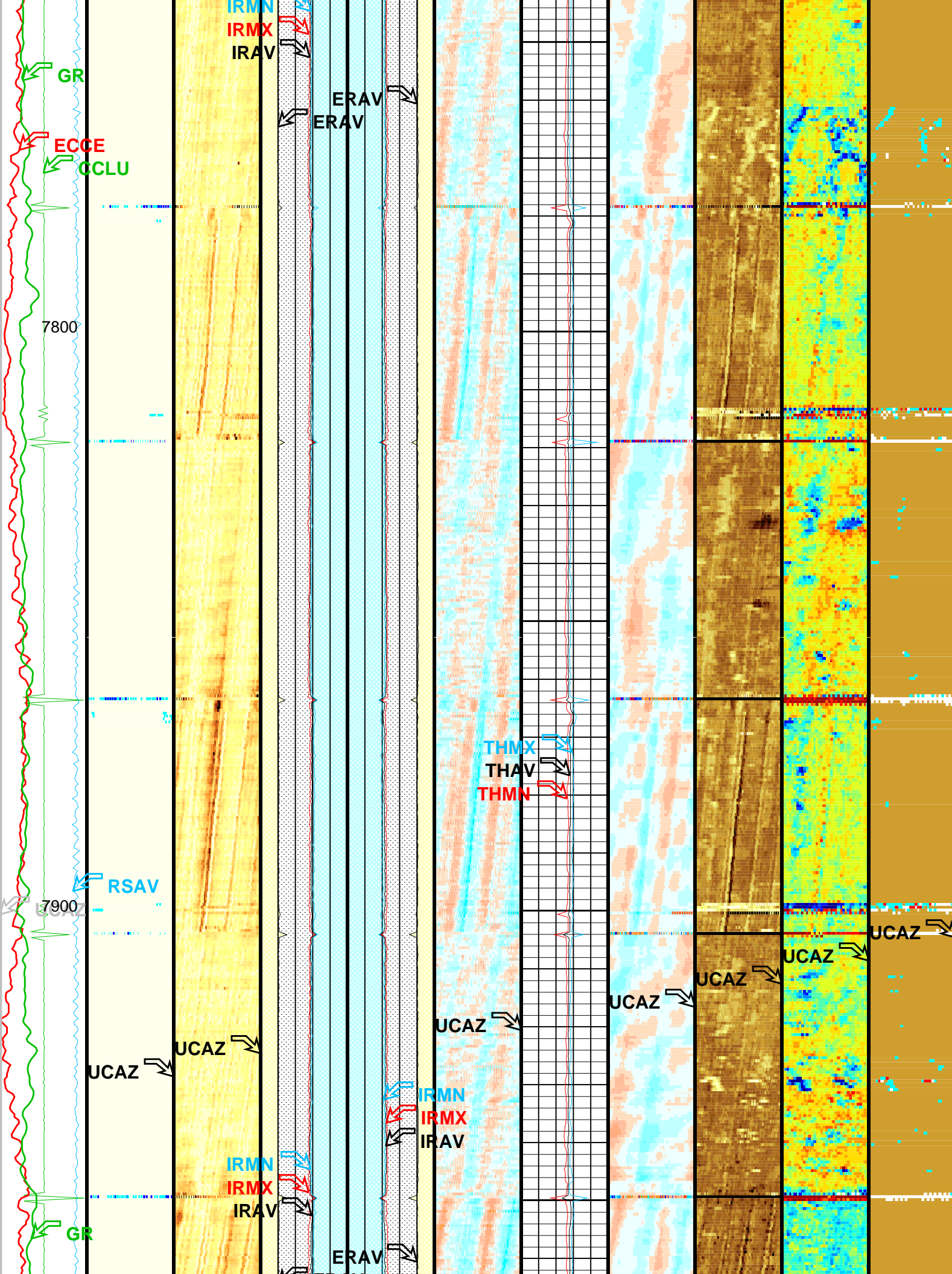


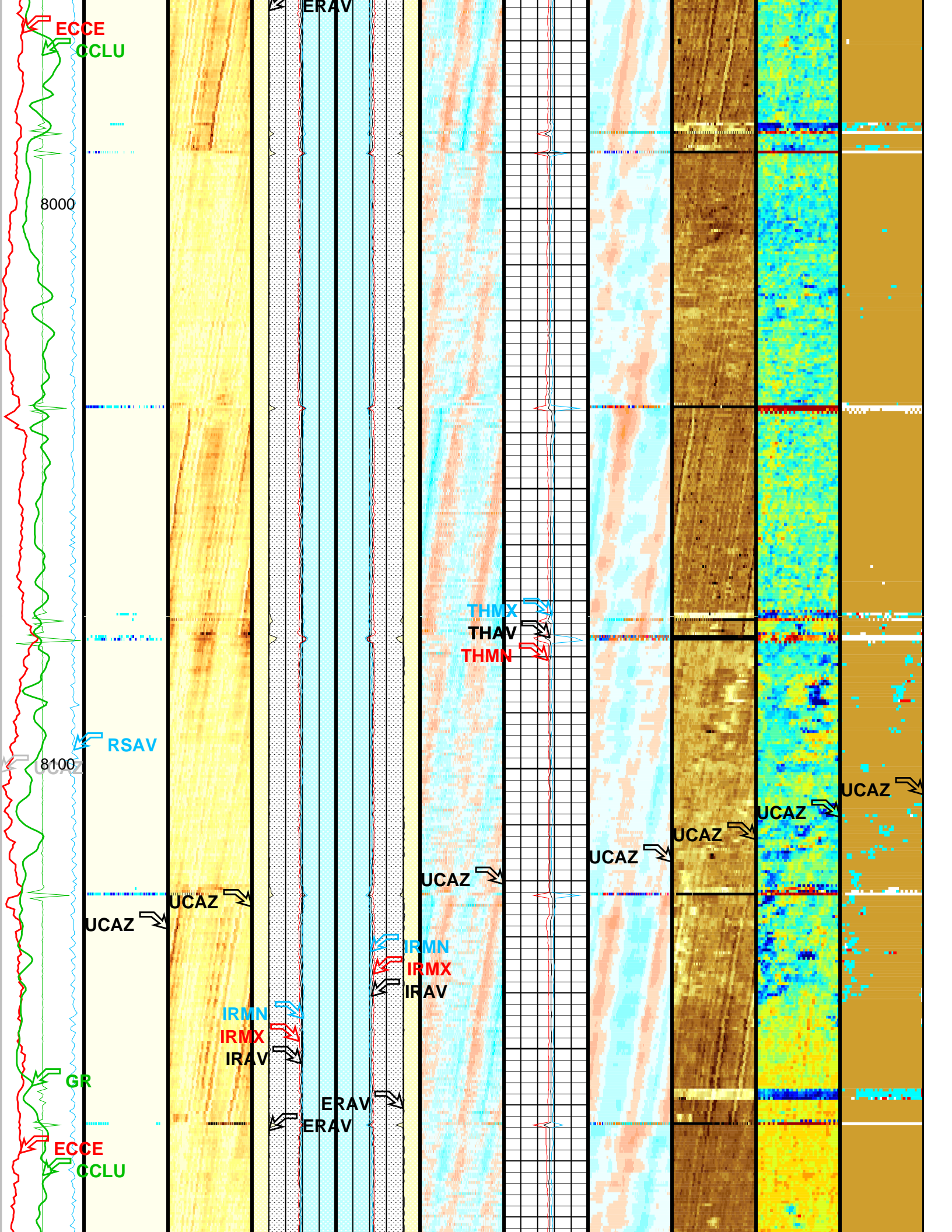


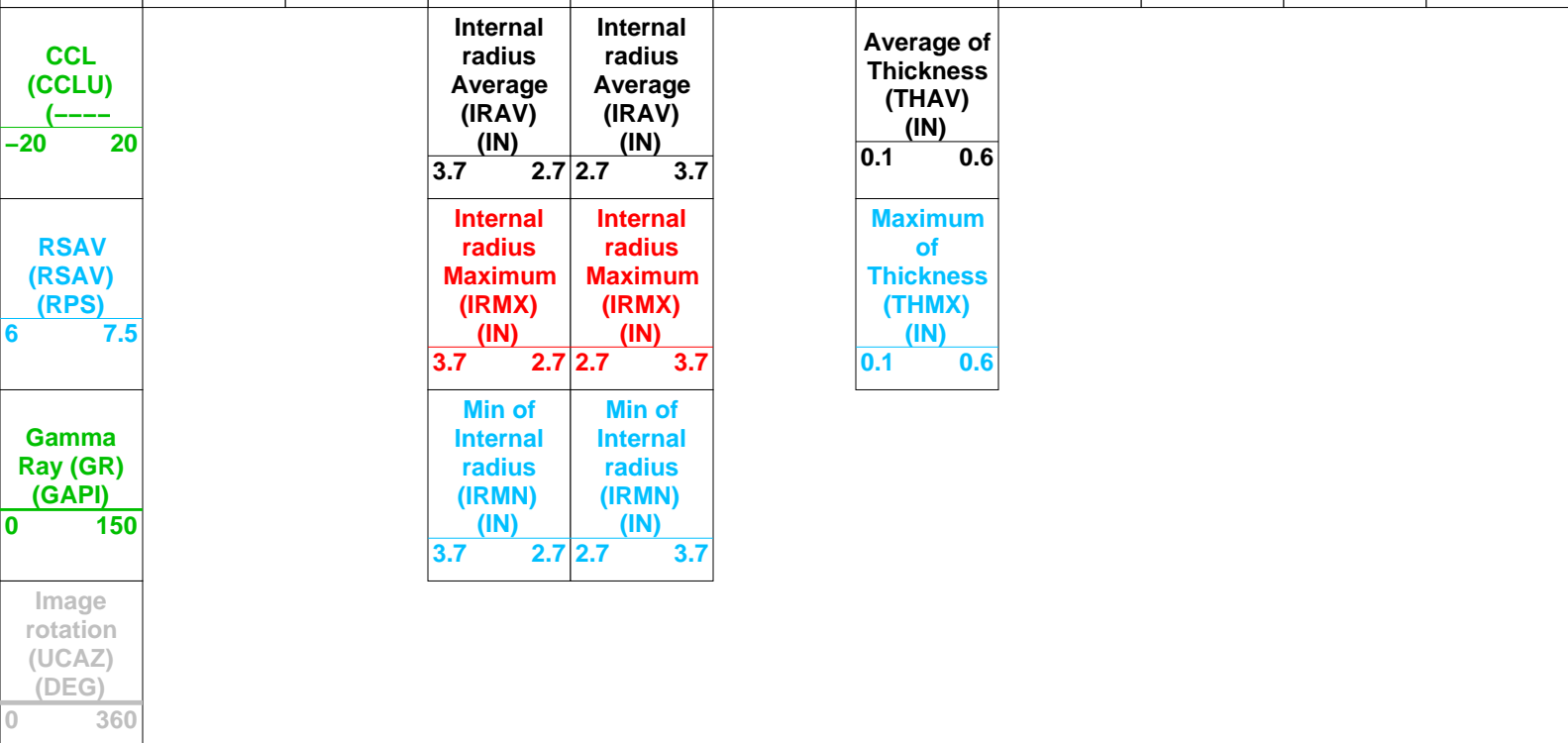
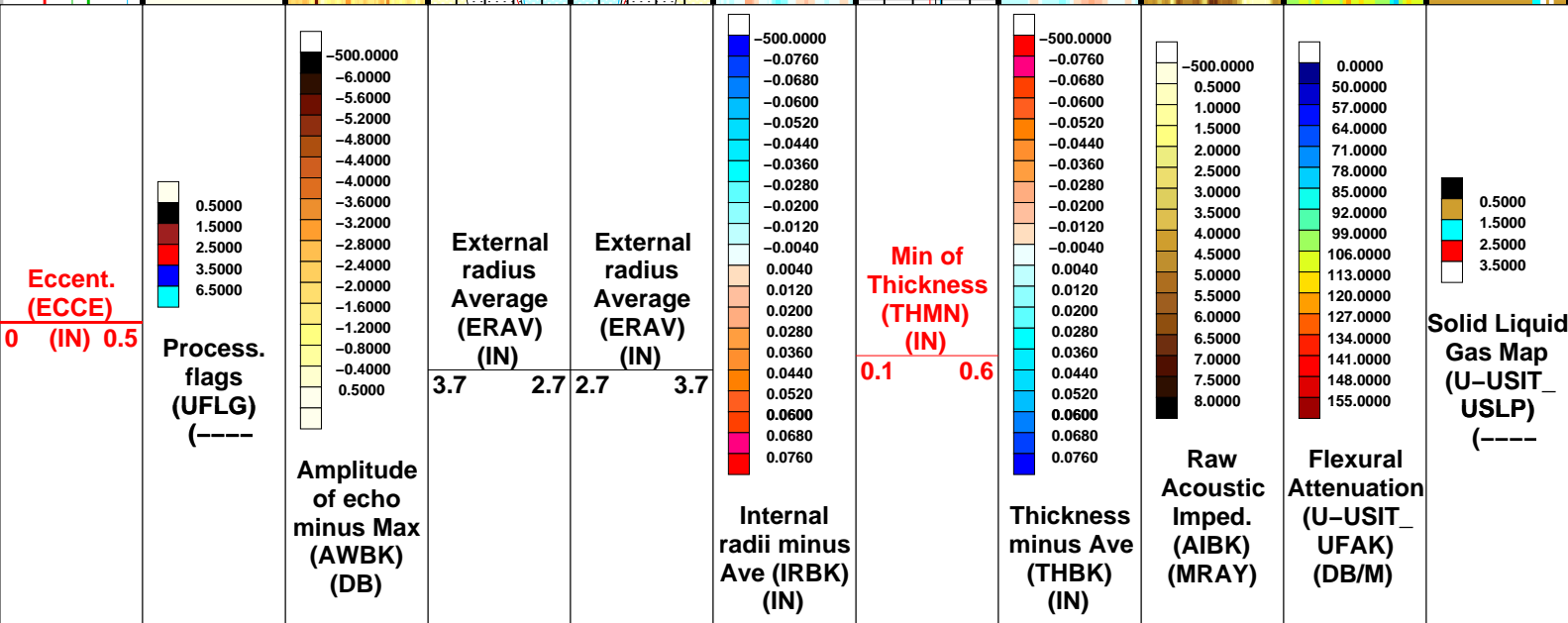
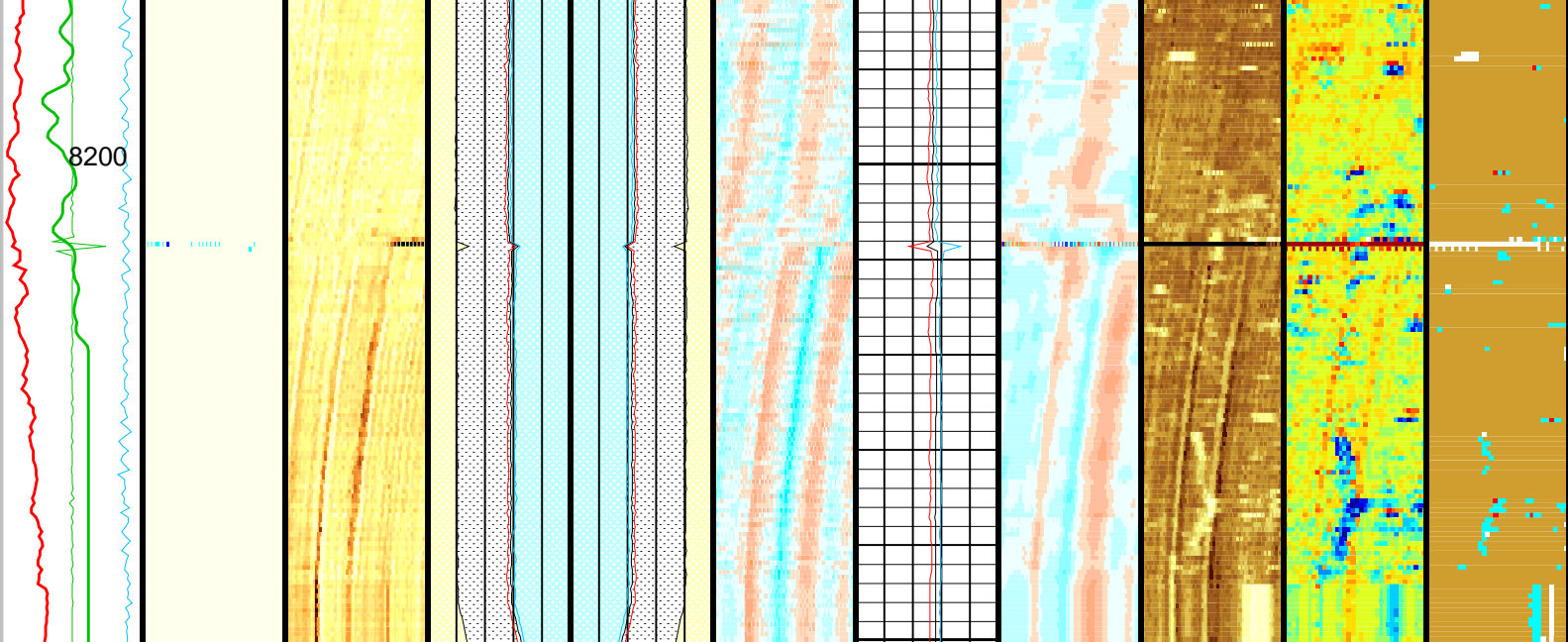












Output DLIS Files

DEFAULT USI_TLD_MCFL_CNL_006PUP FN:4 PRODUCER 19-Aug-2010 16:32



VDL WIDE

MAXIS Field Log

Company: ExxonMobil Production Corp. Well: PCU 197-34A7

Input DLIS Files

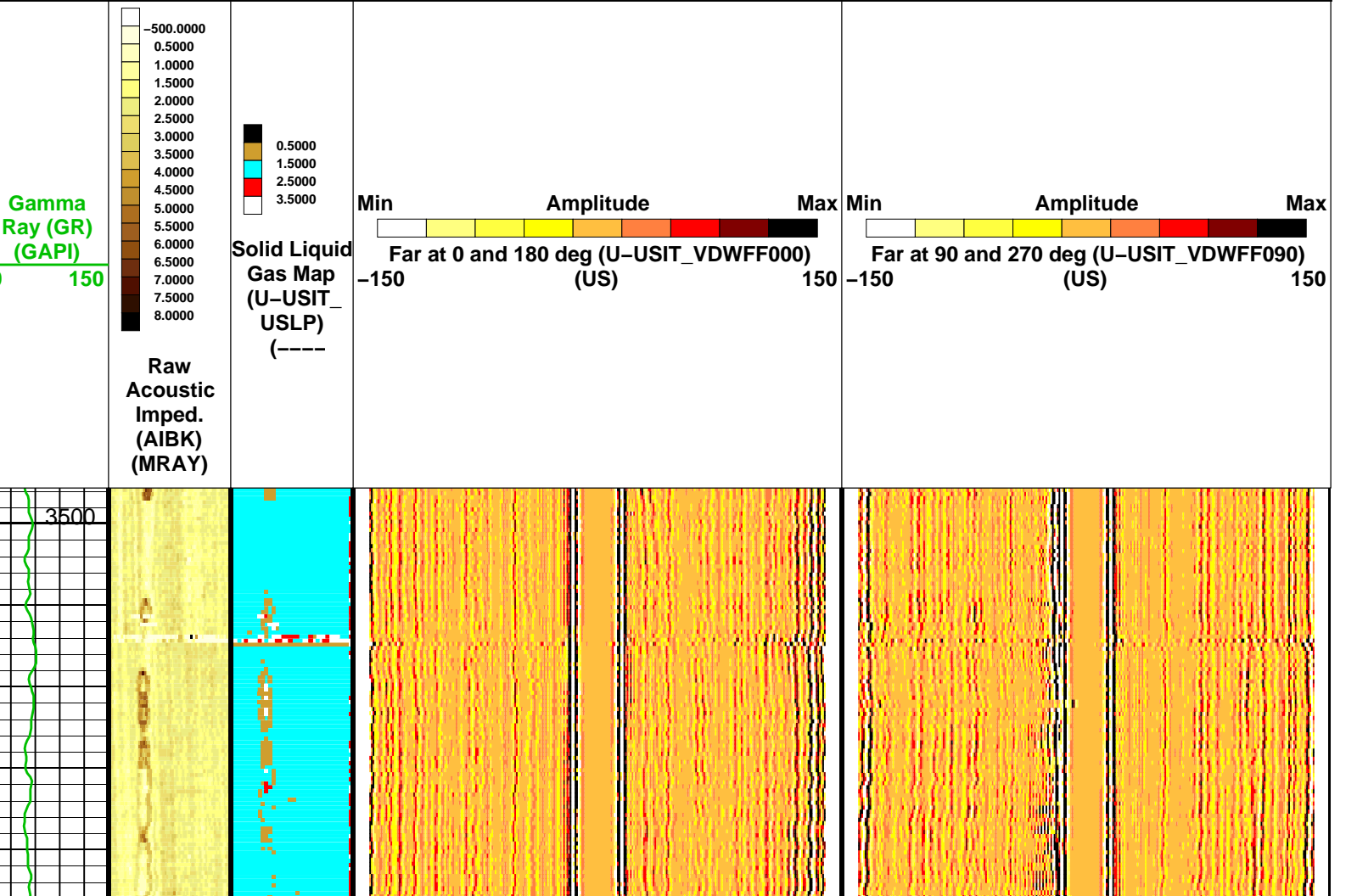
USI_TLD_MCFL_CNL_003PUP FN:2 19-Aug-2010 15:14 8250.5 FT 3495.5 FT

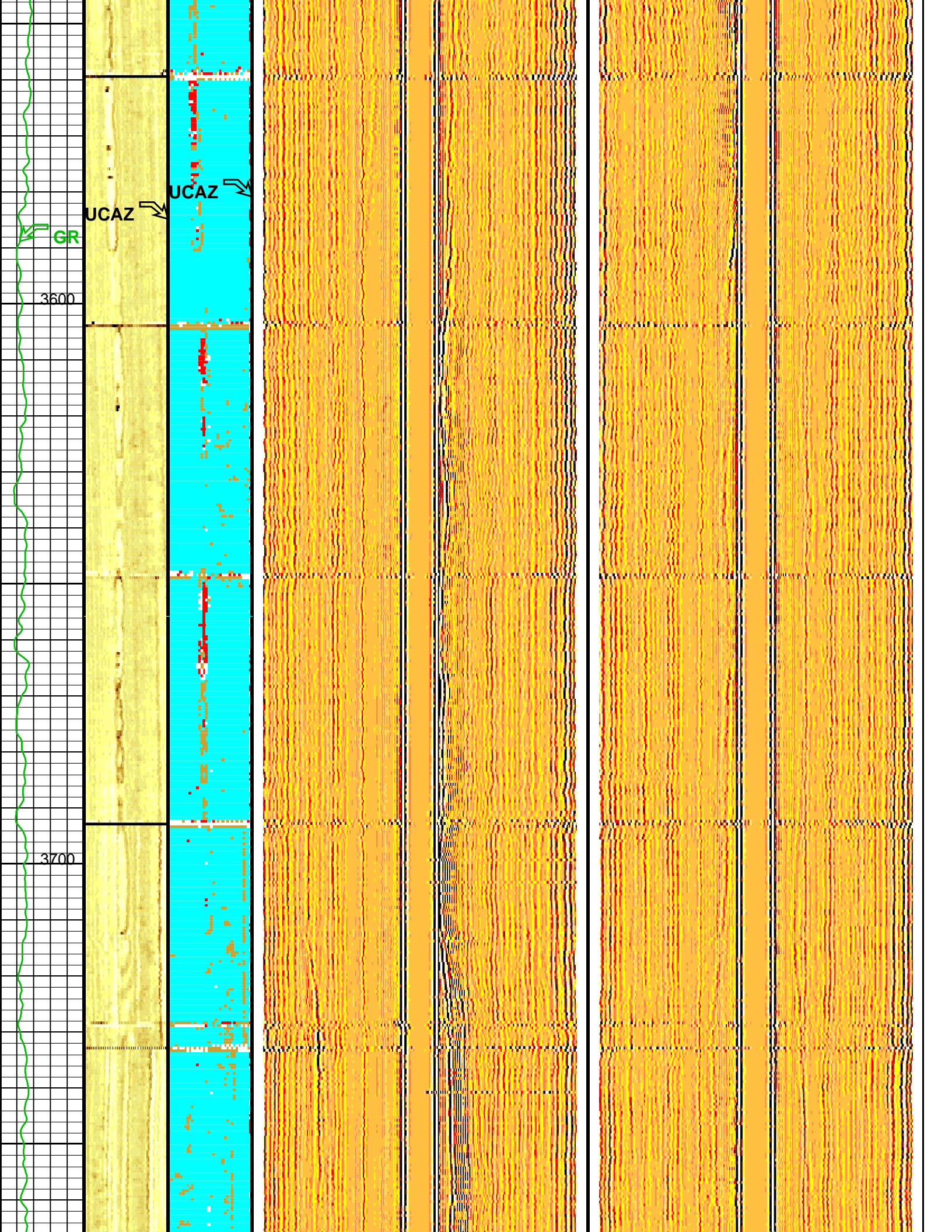
Output DLIS Files

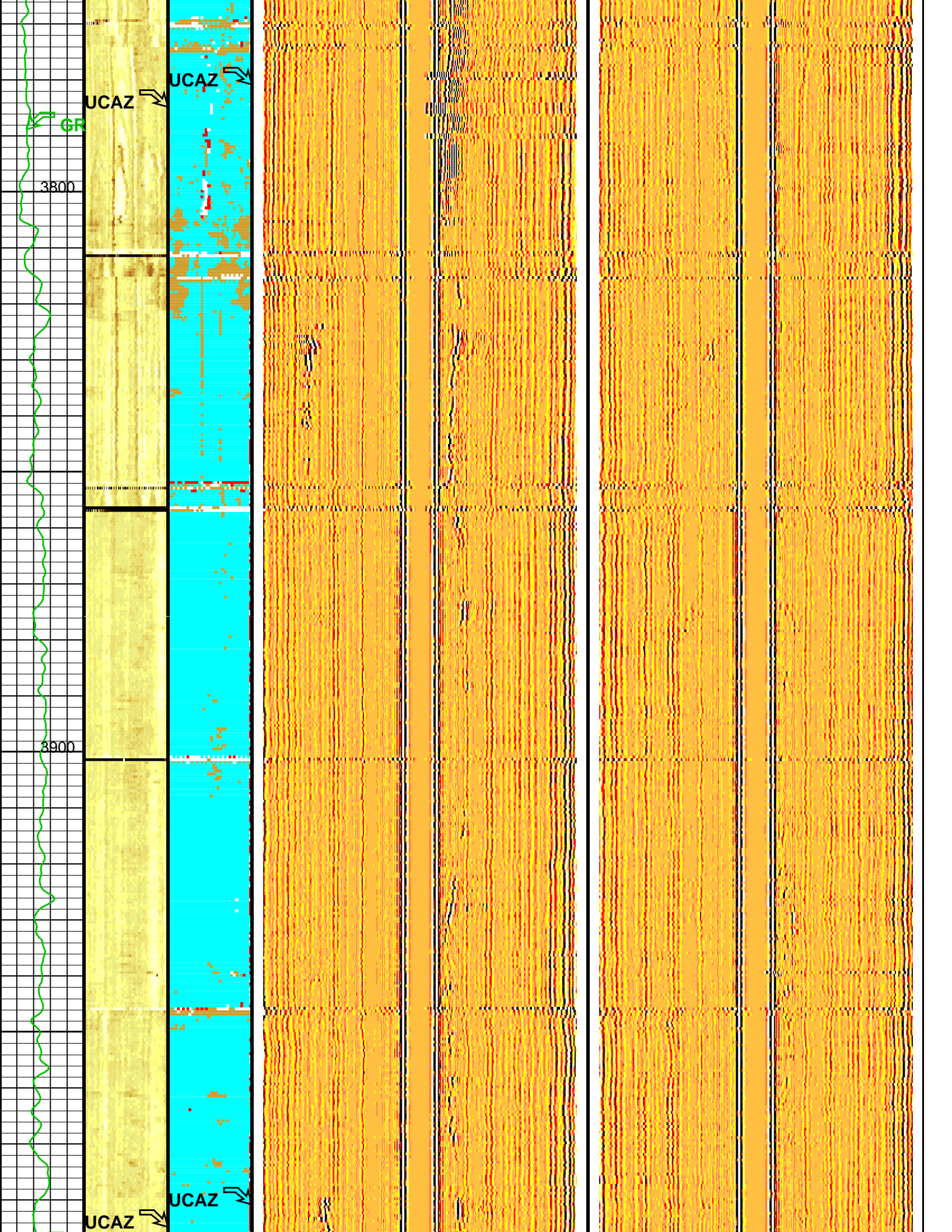
DEFAULT USI_TLD_MCFL_CNL_006PUP FN:4 PRODUCER 19-Aug-2010 16:32 8250.5 FT 3495.5 FT

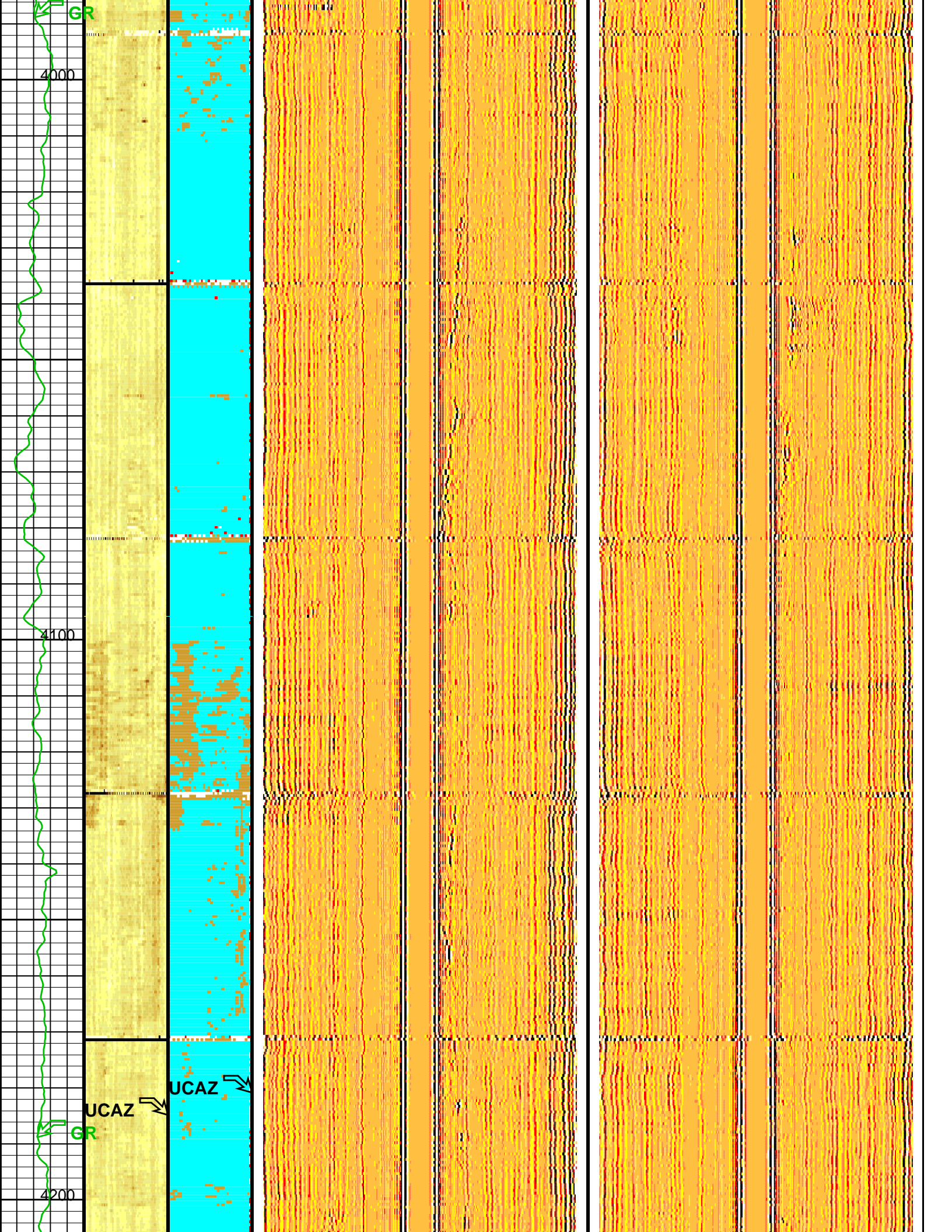
OP System Version: 18C0-147

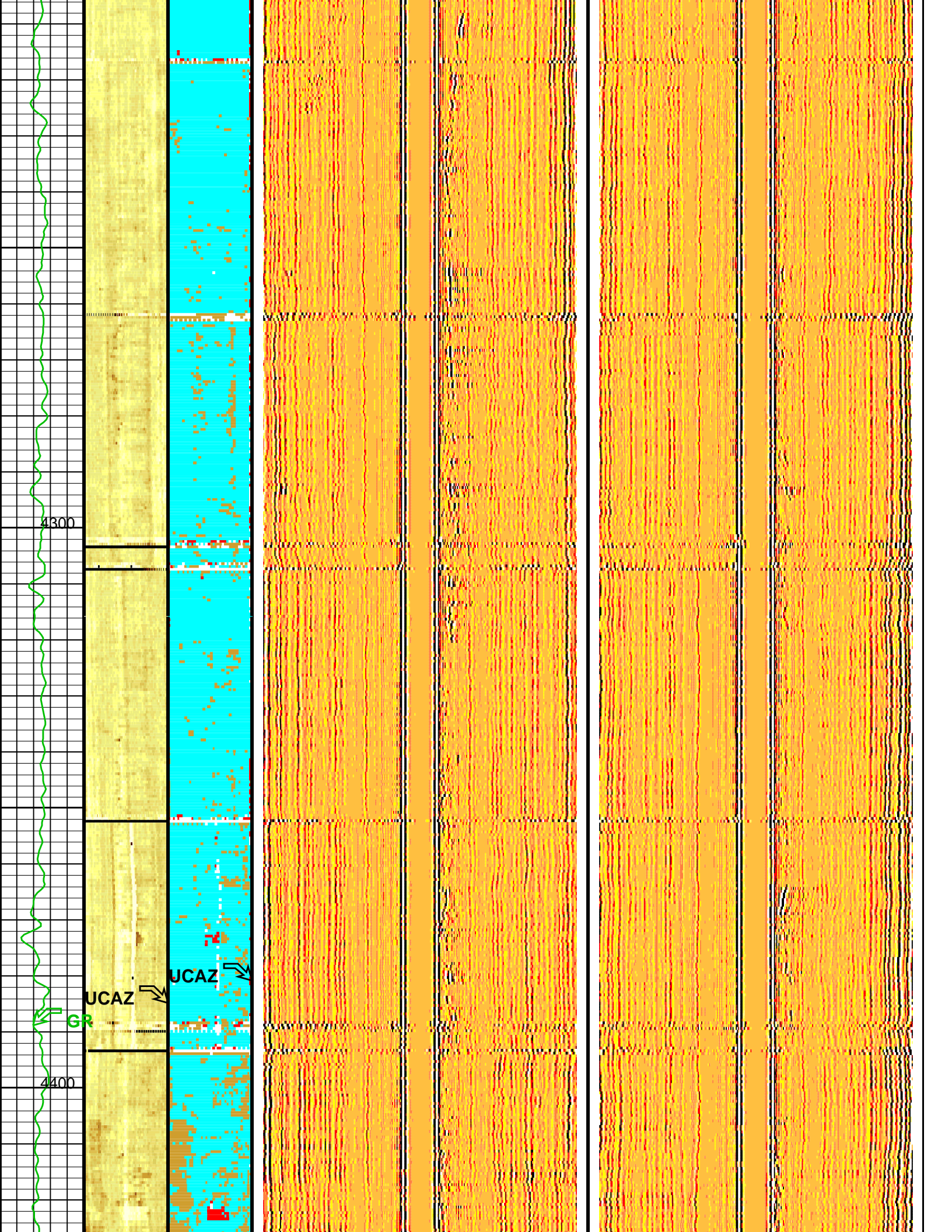
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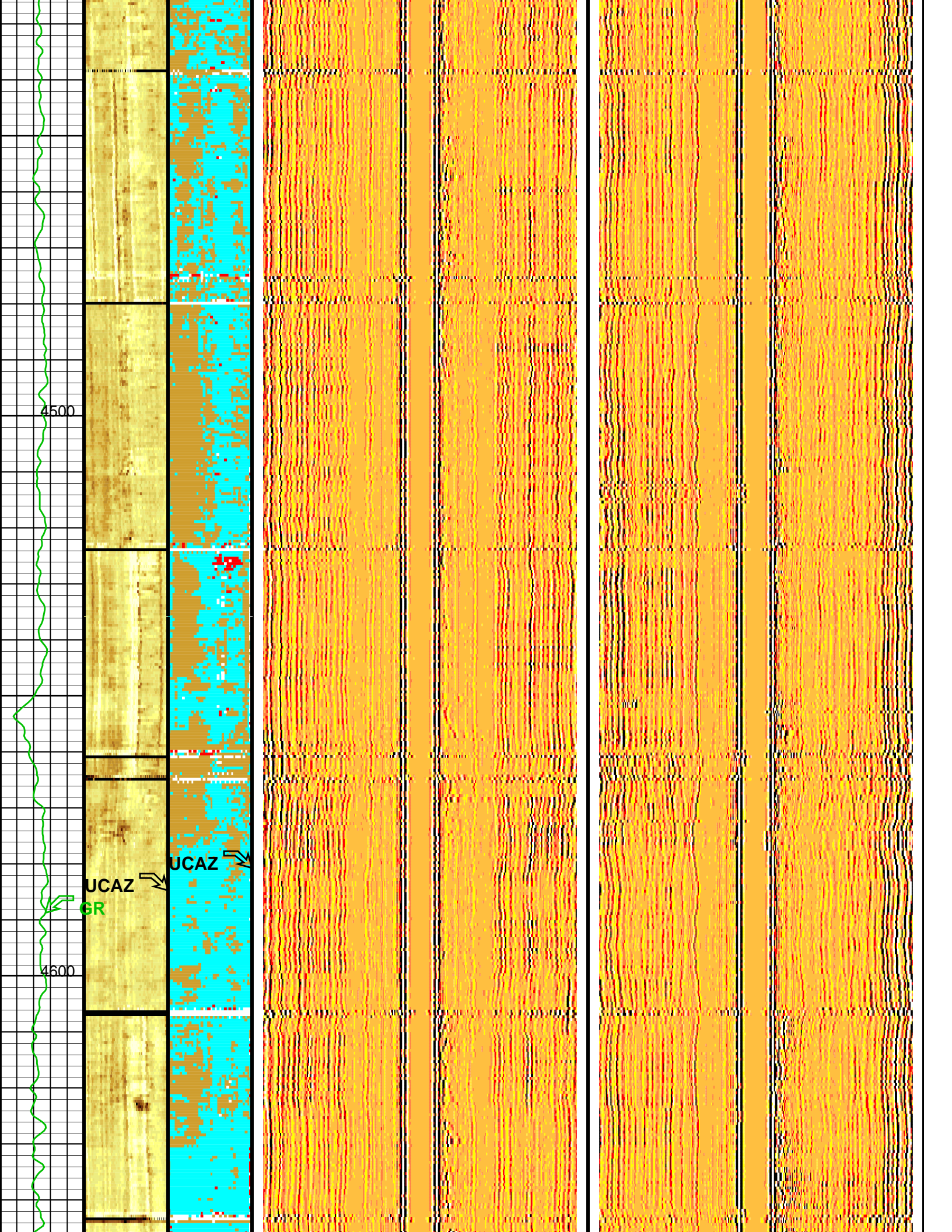


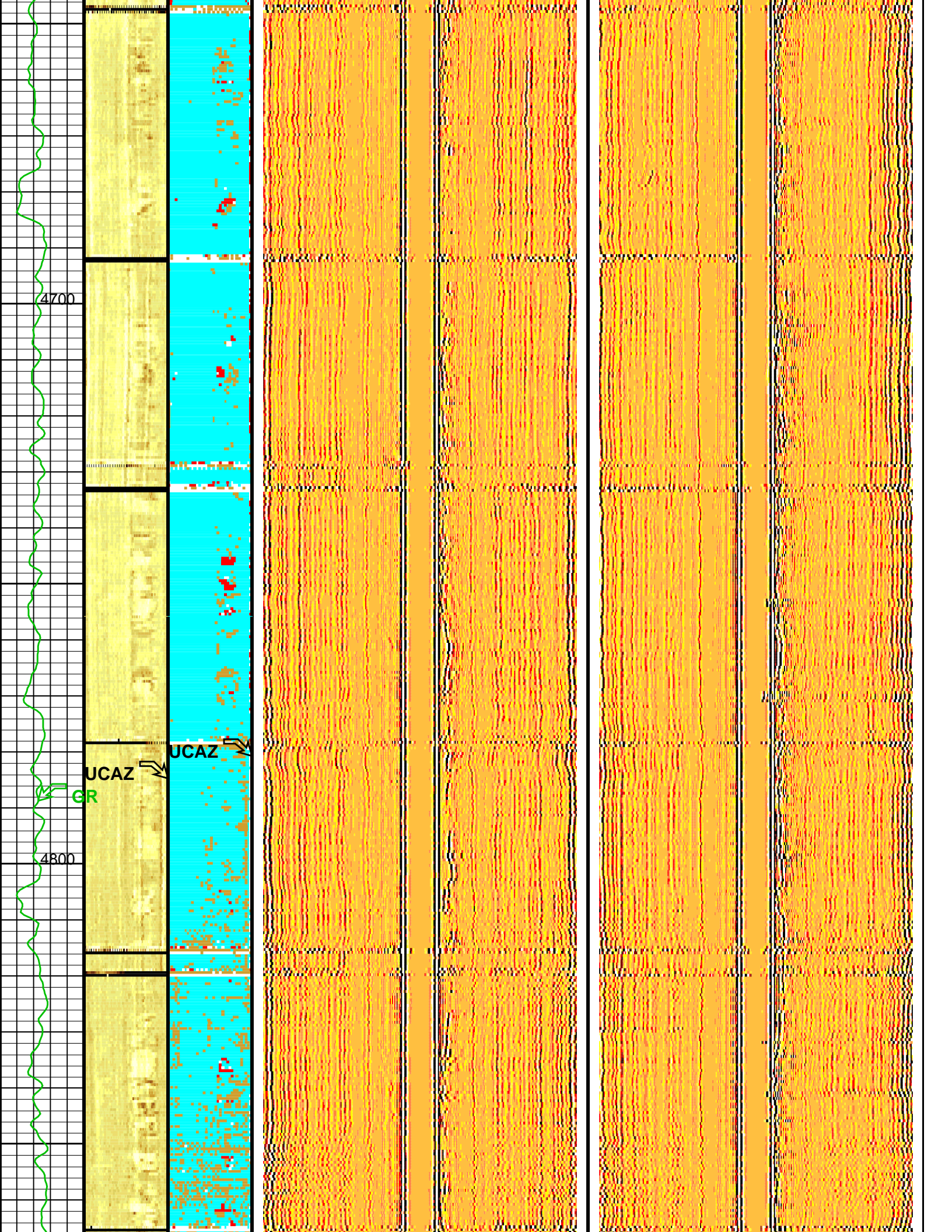


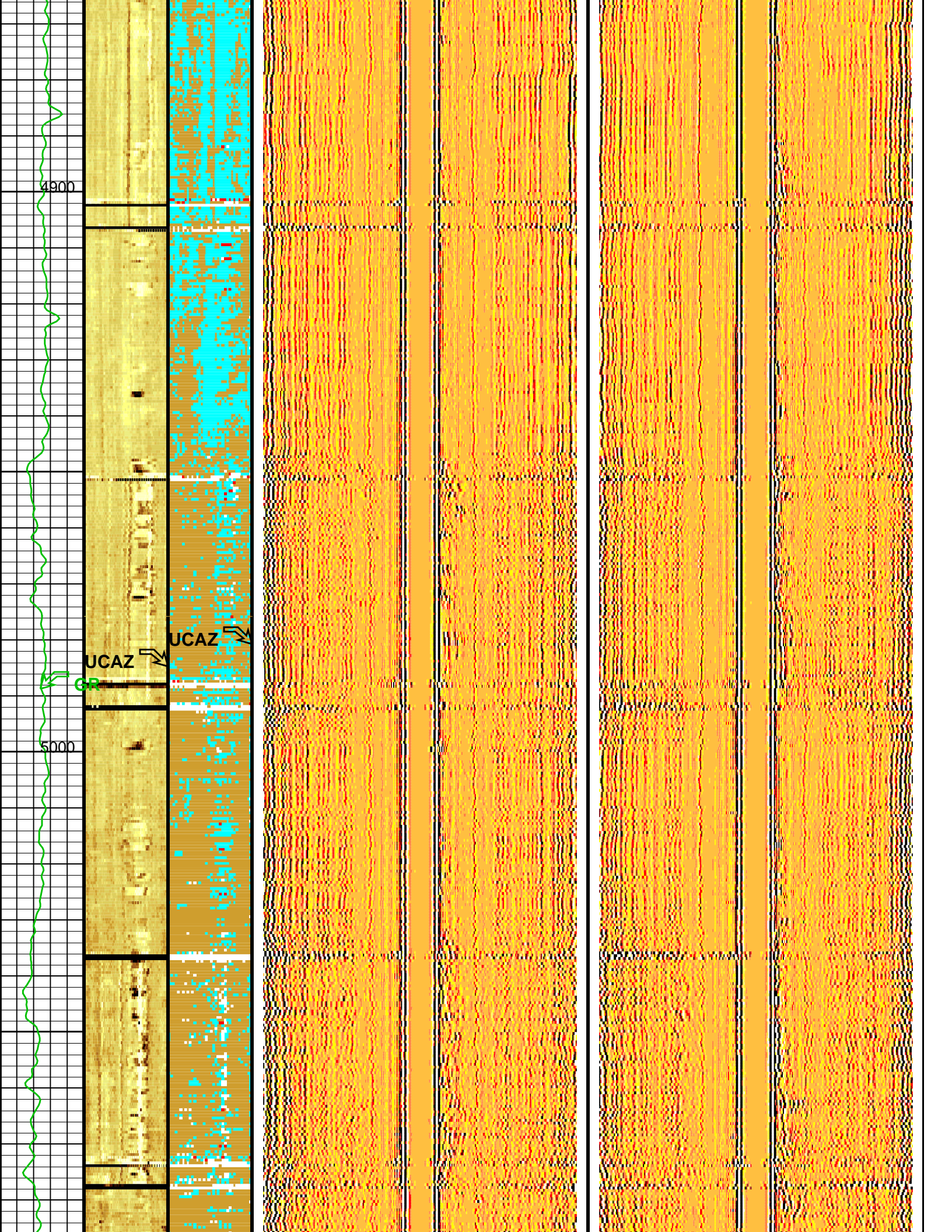


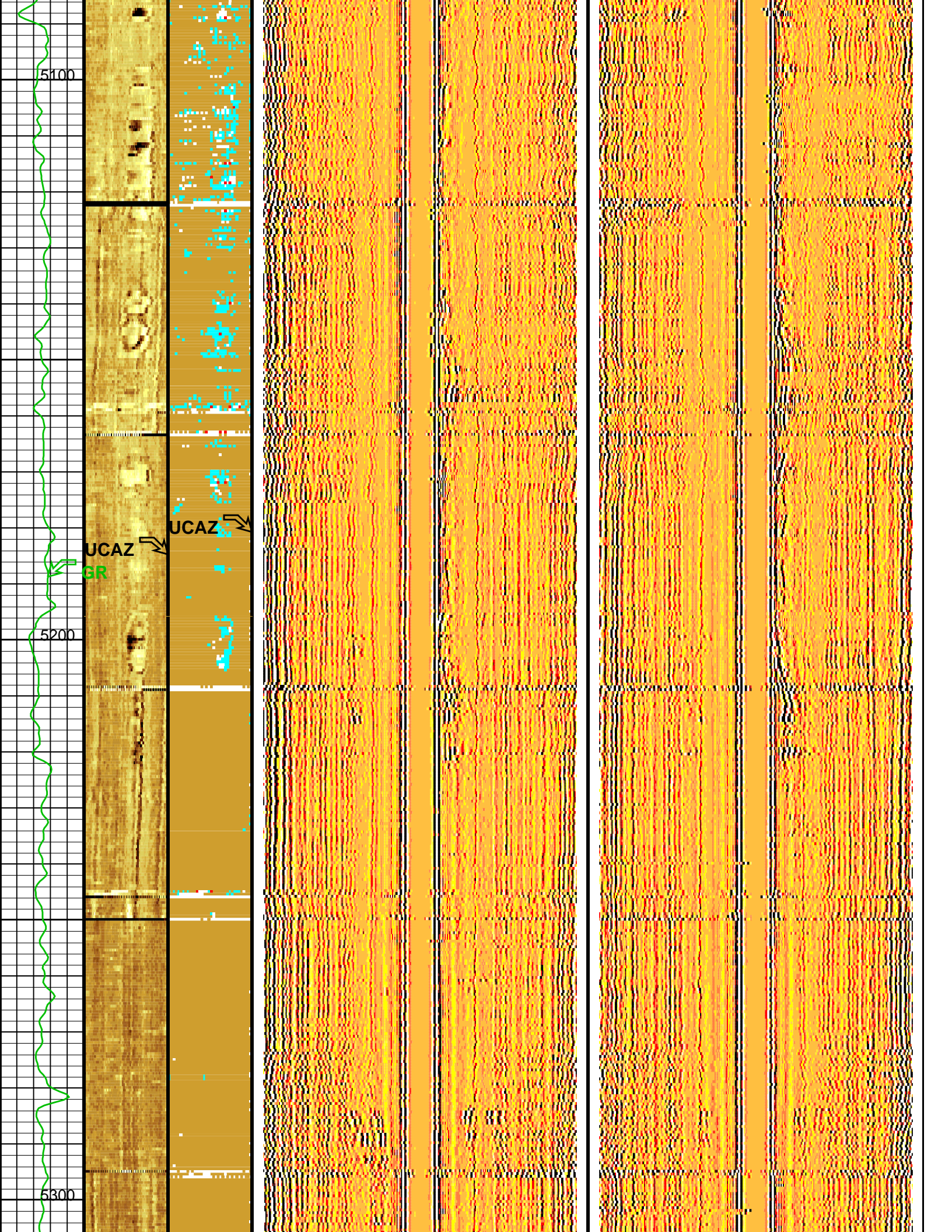


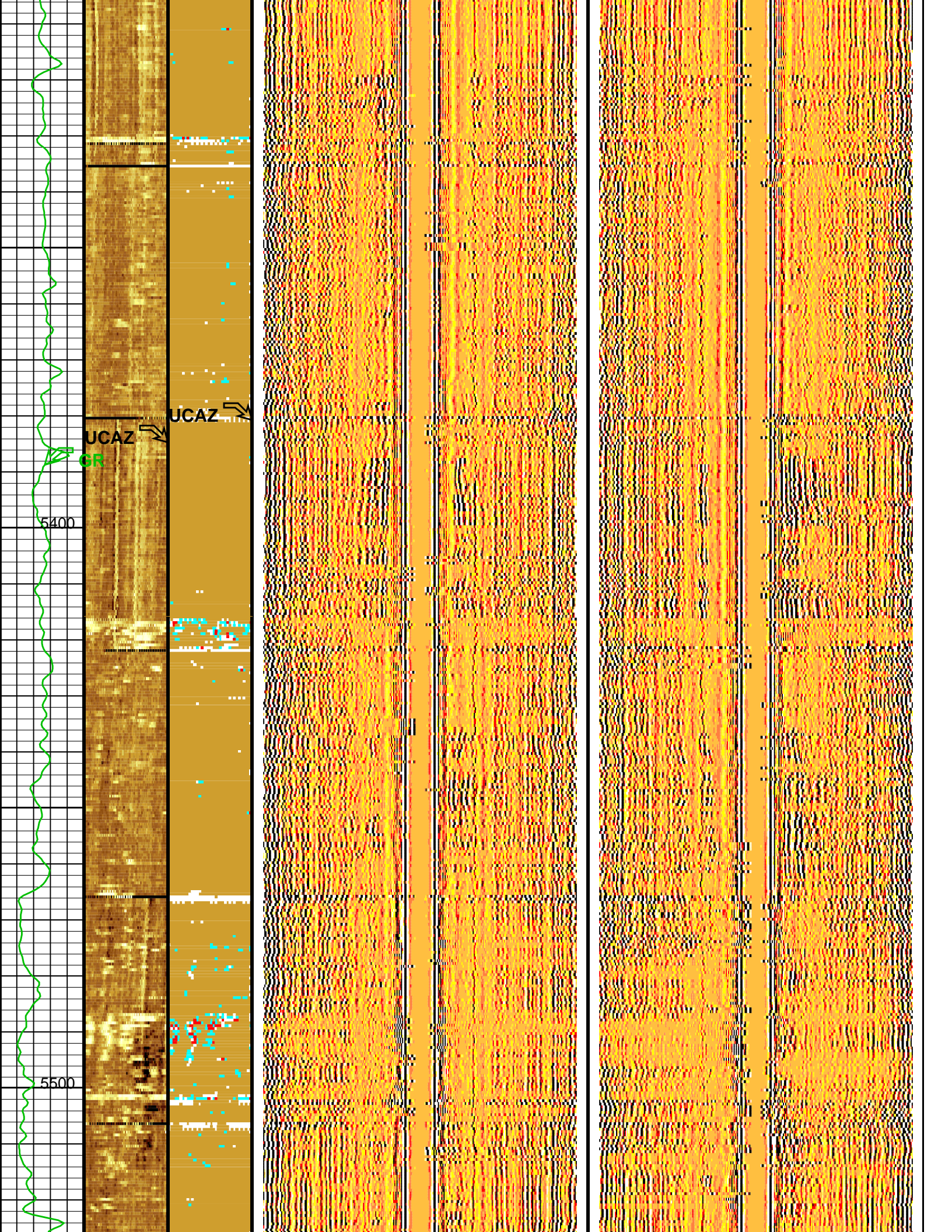


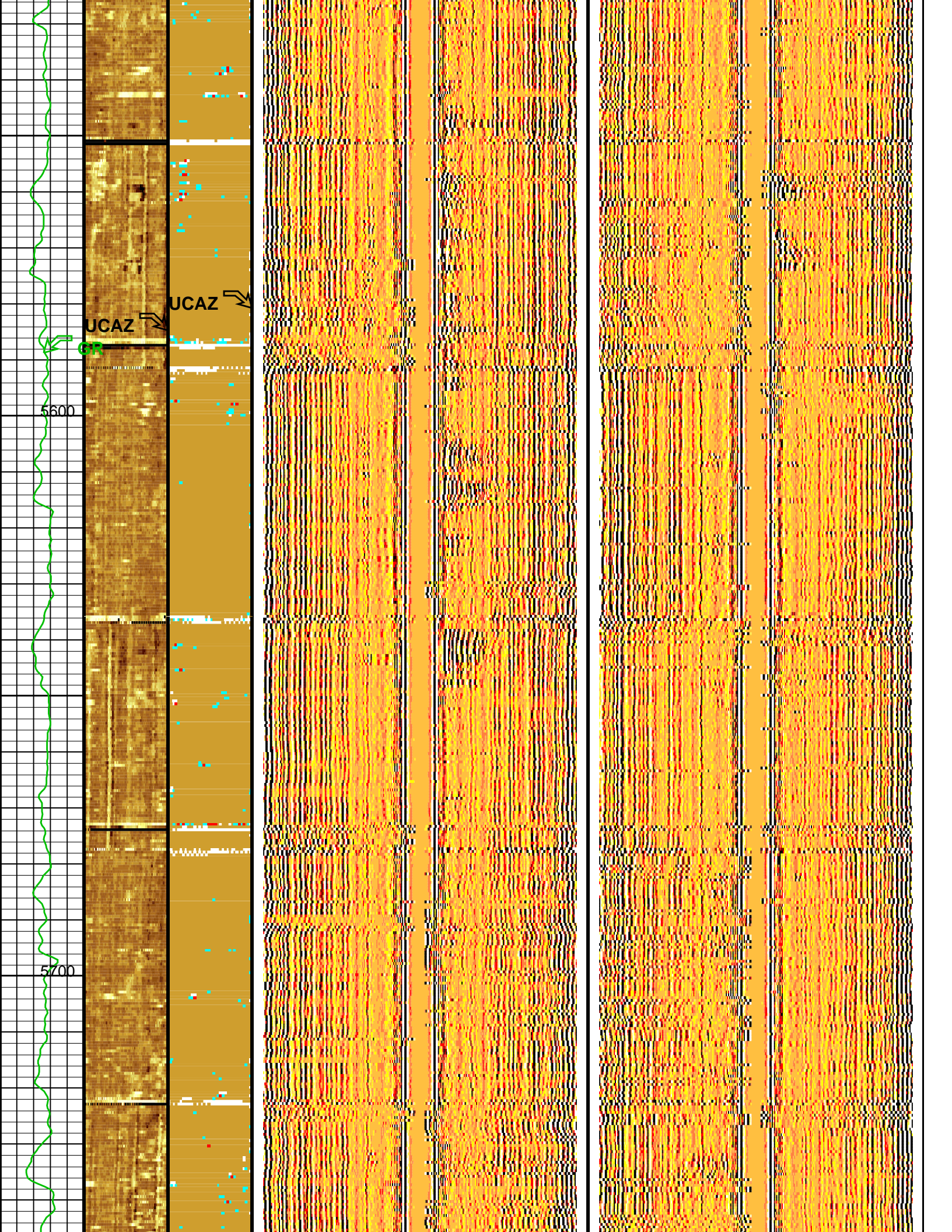


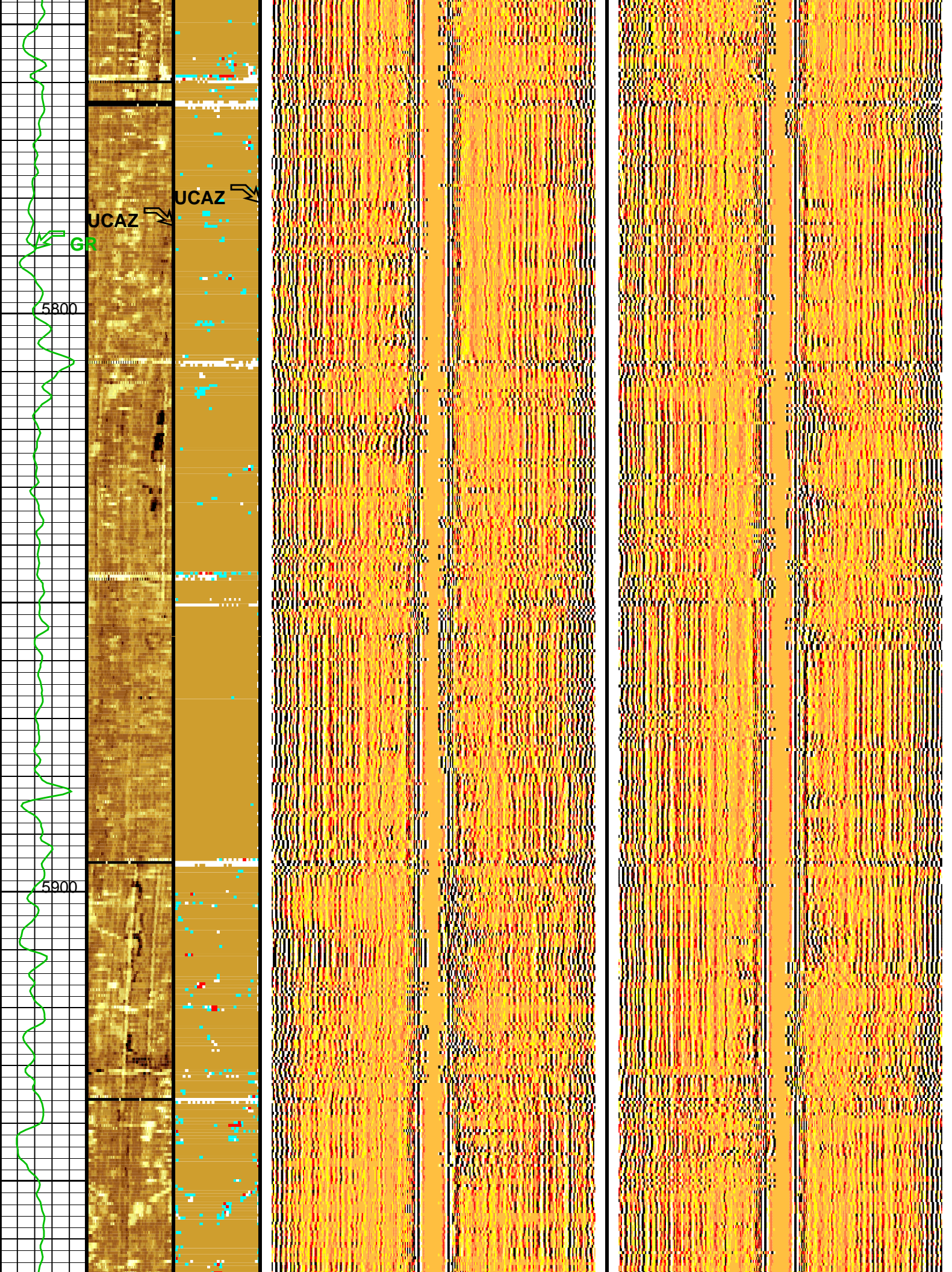


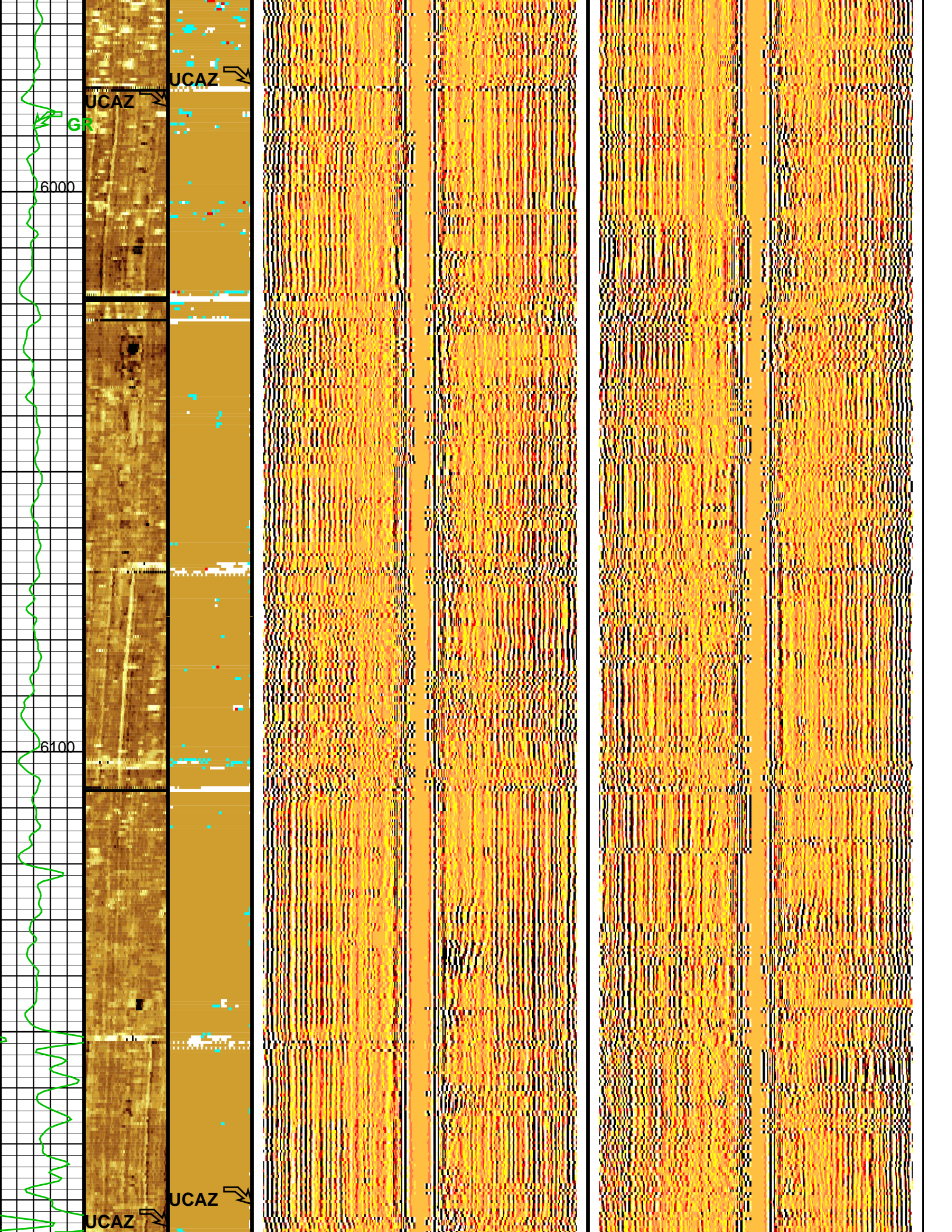


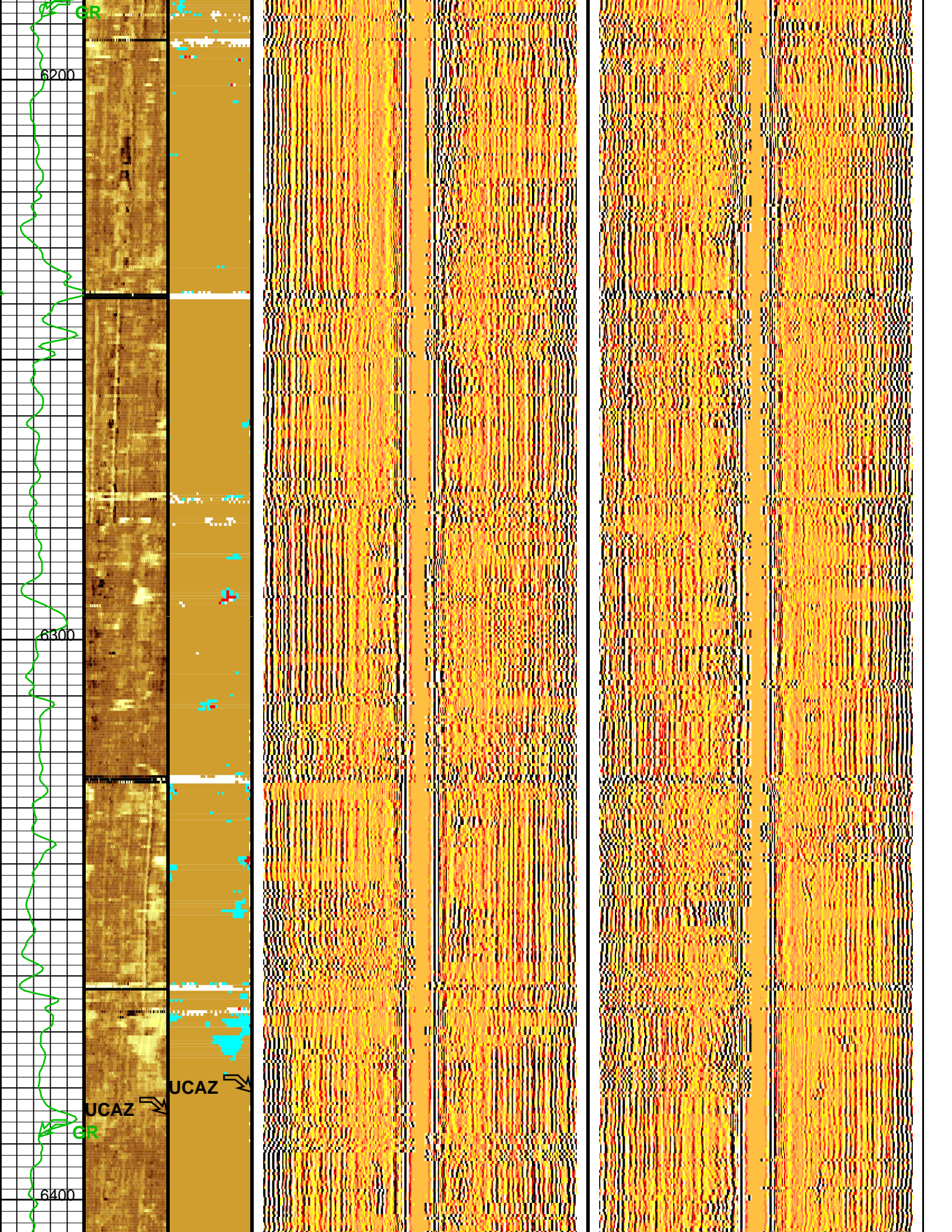


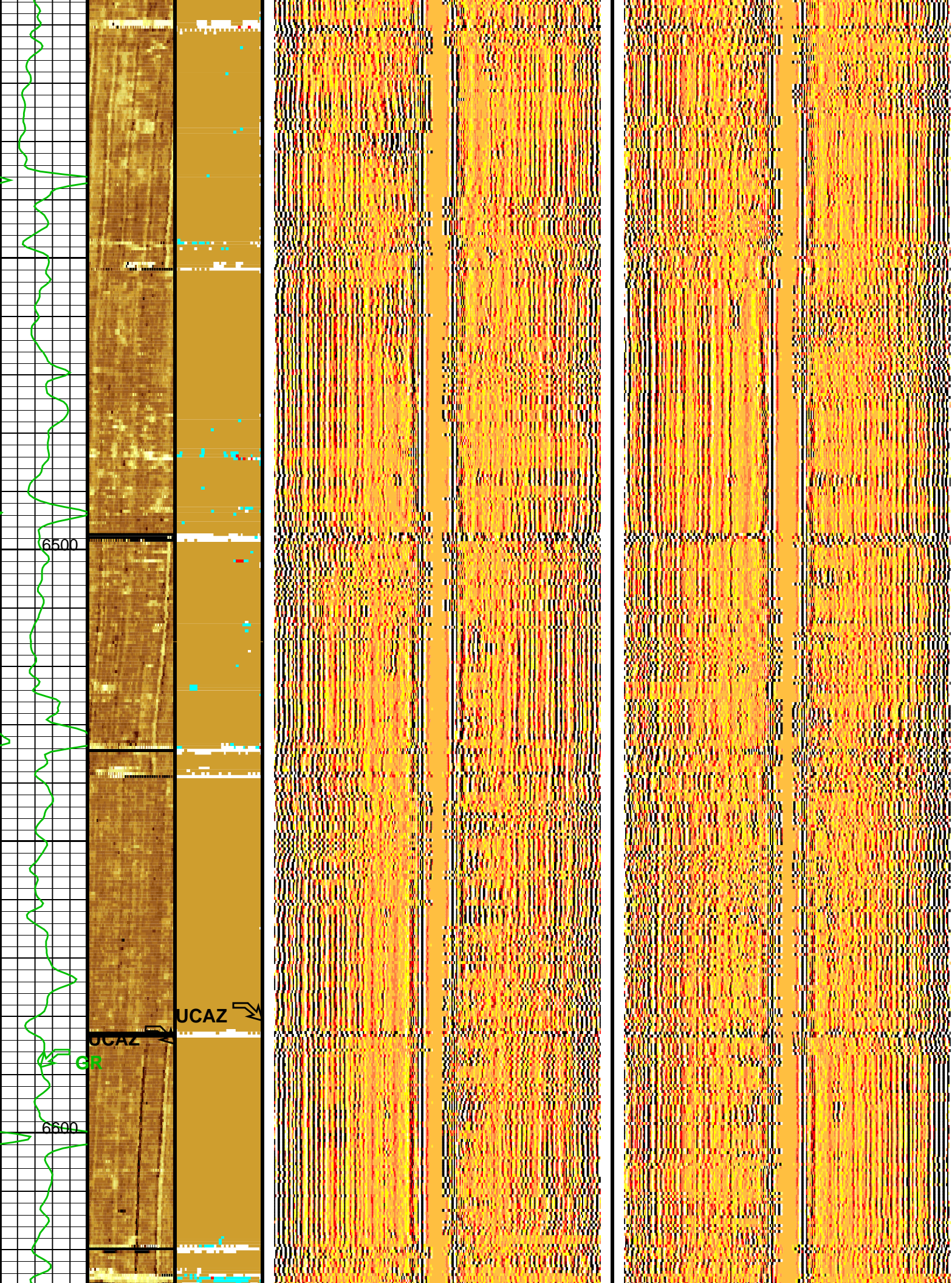


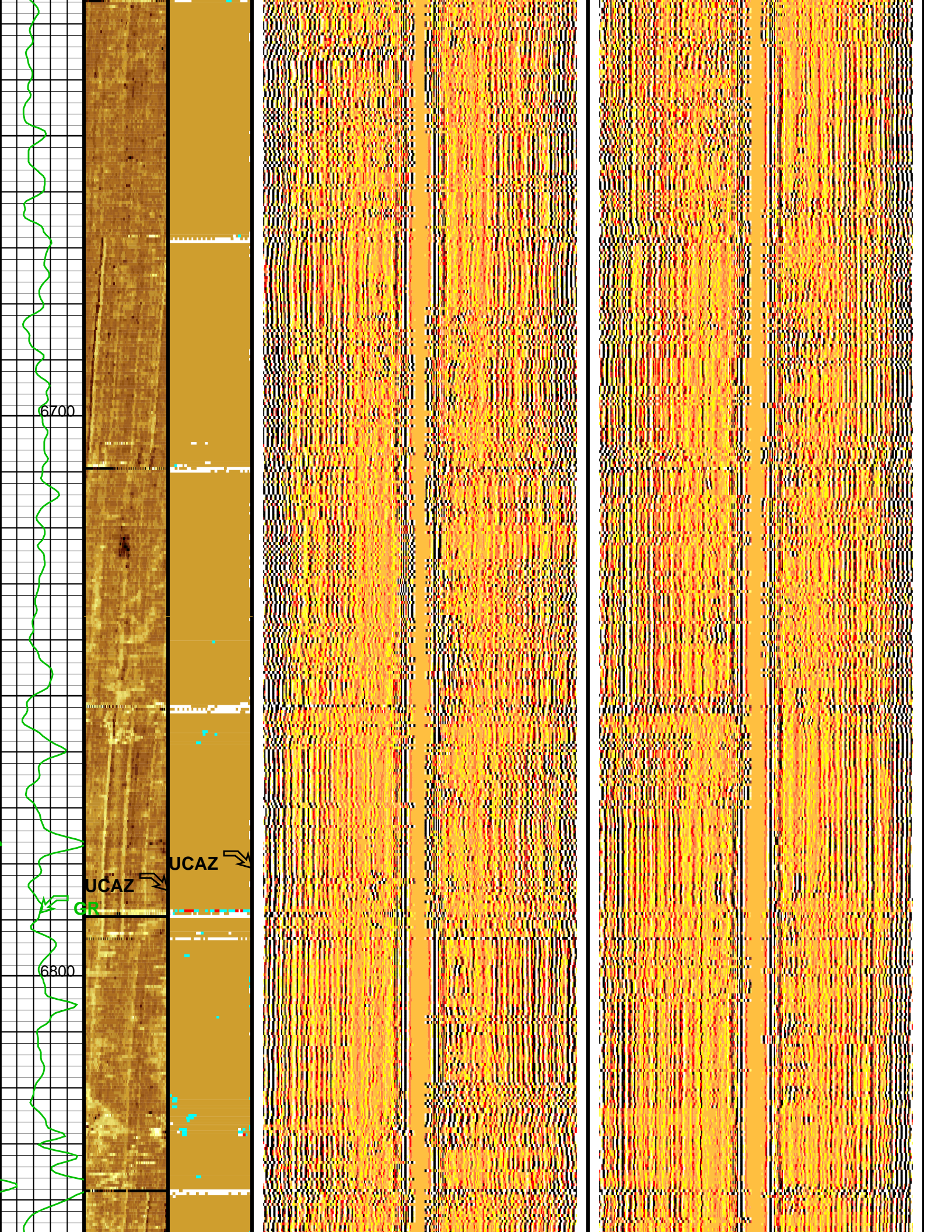


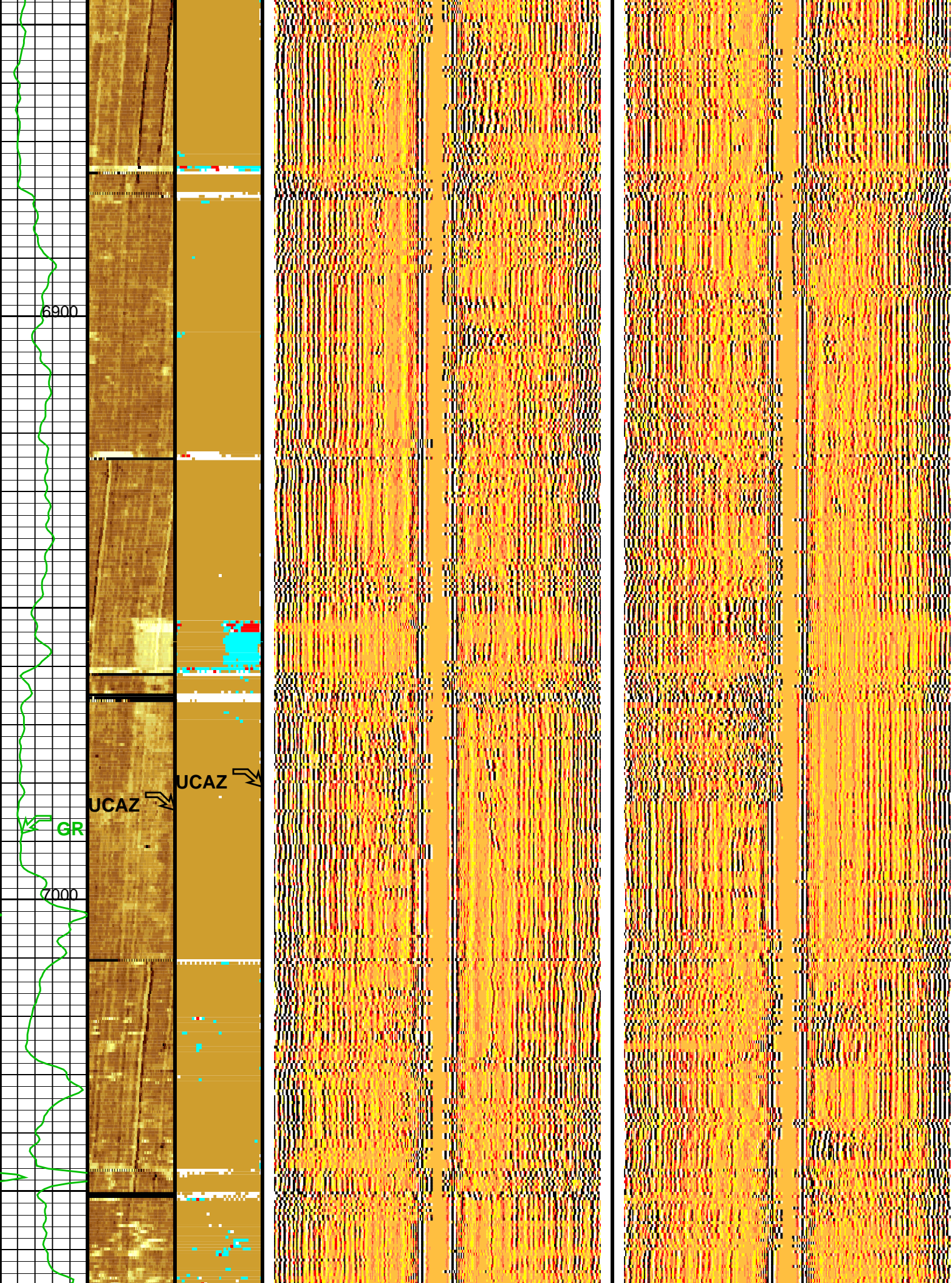


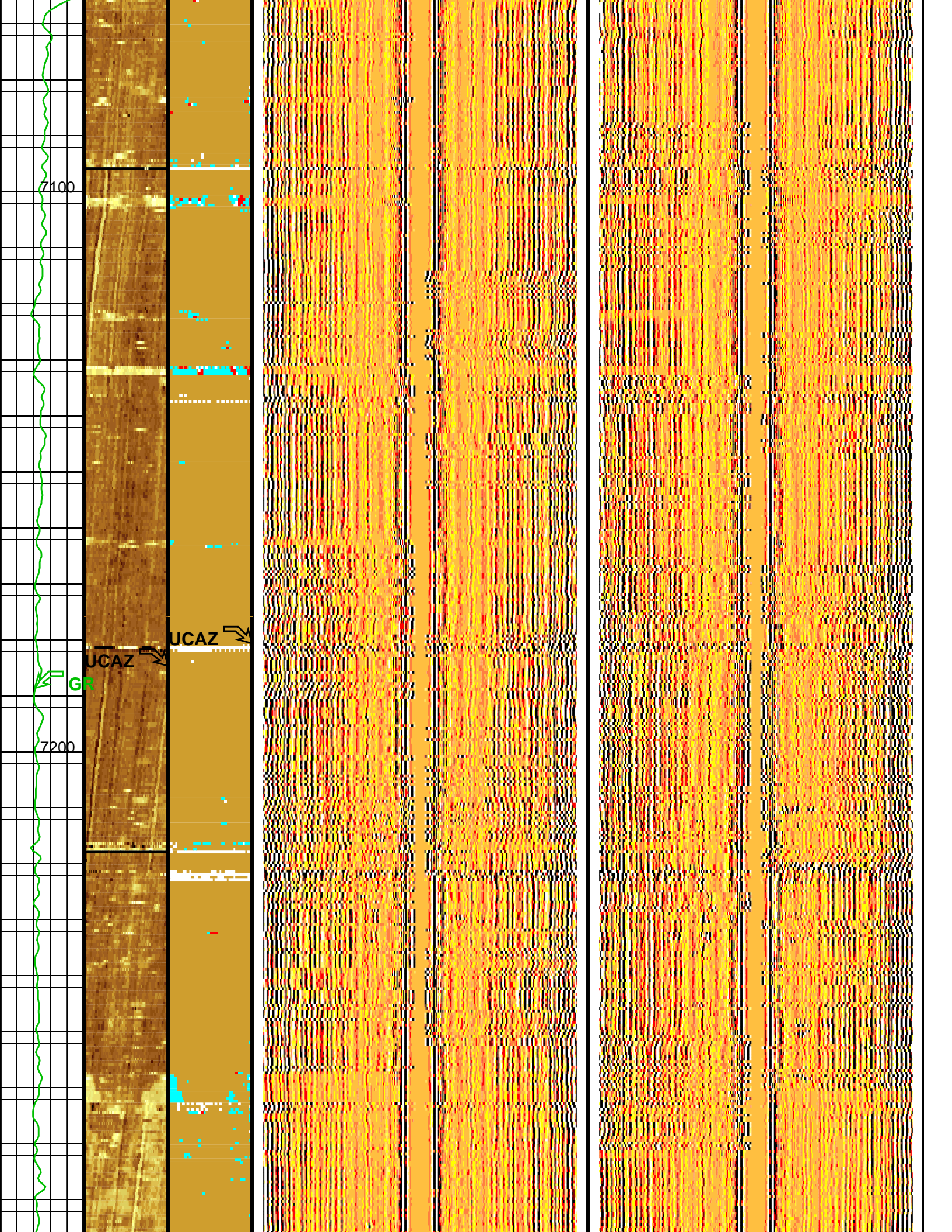


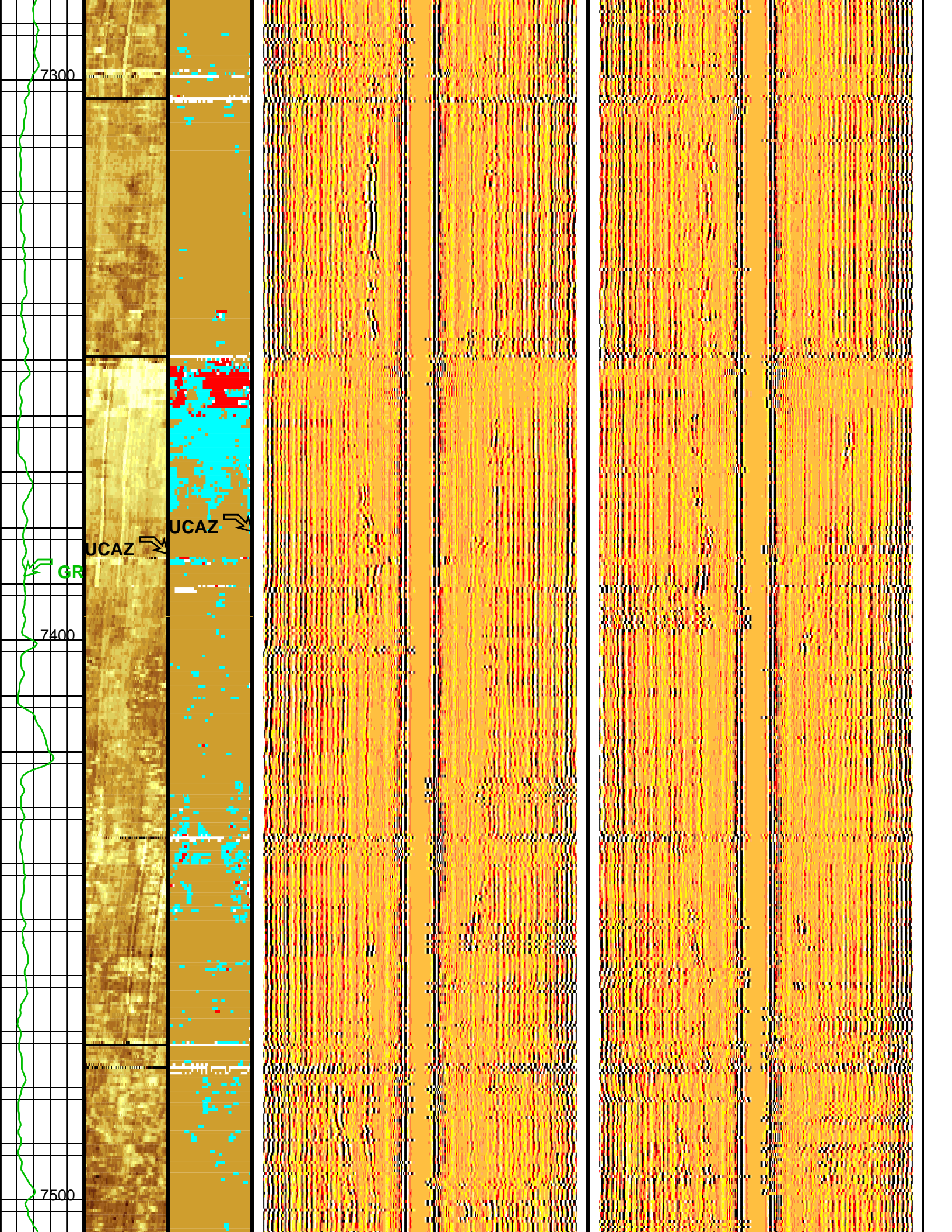












7300

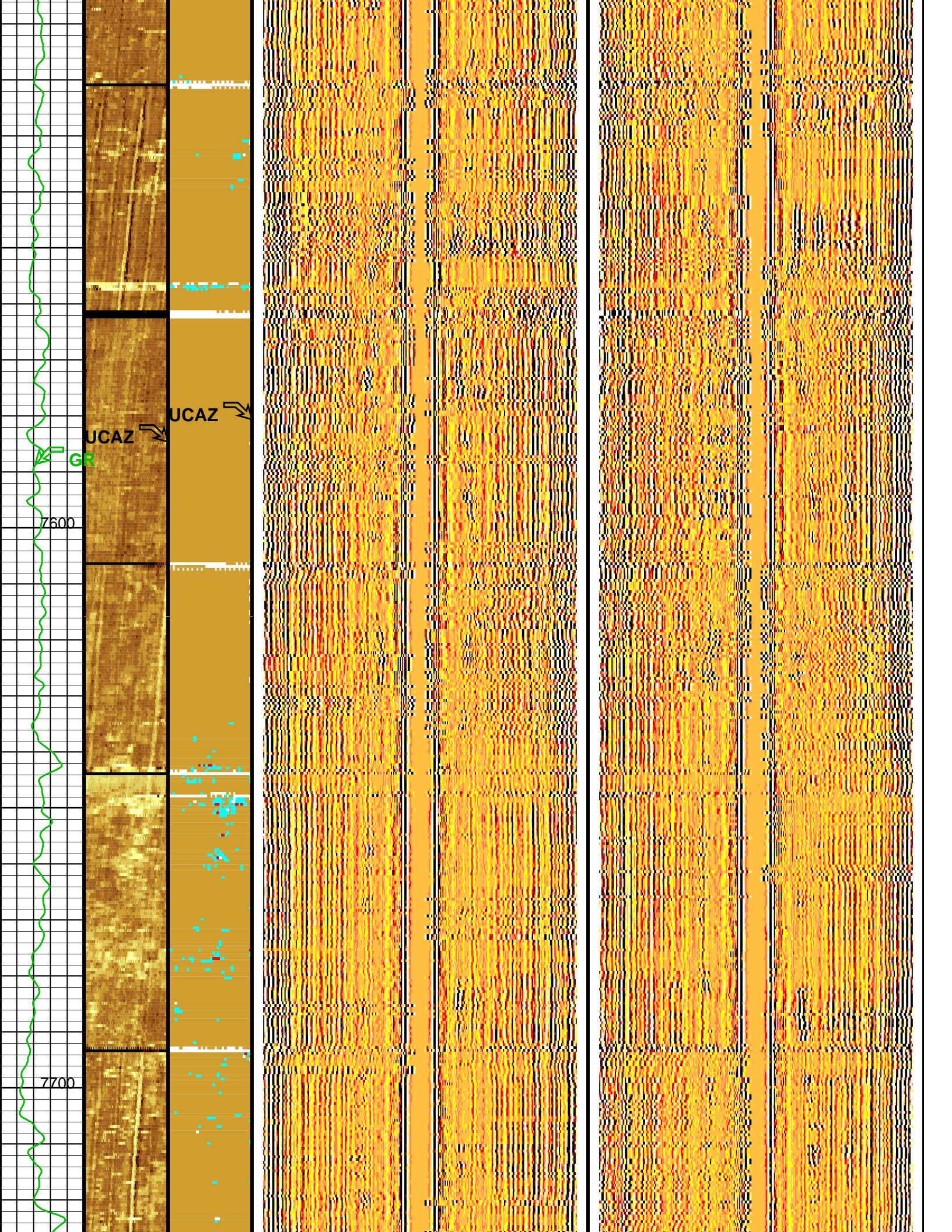
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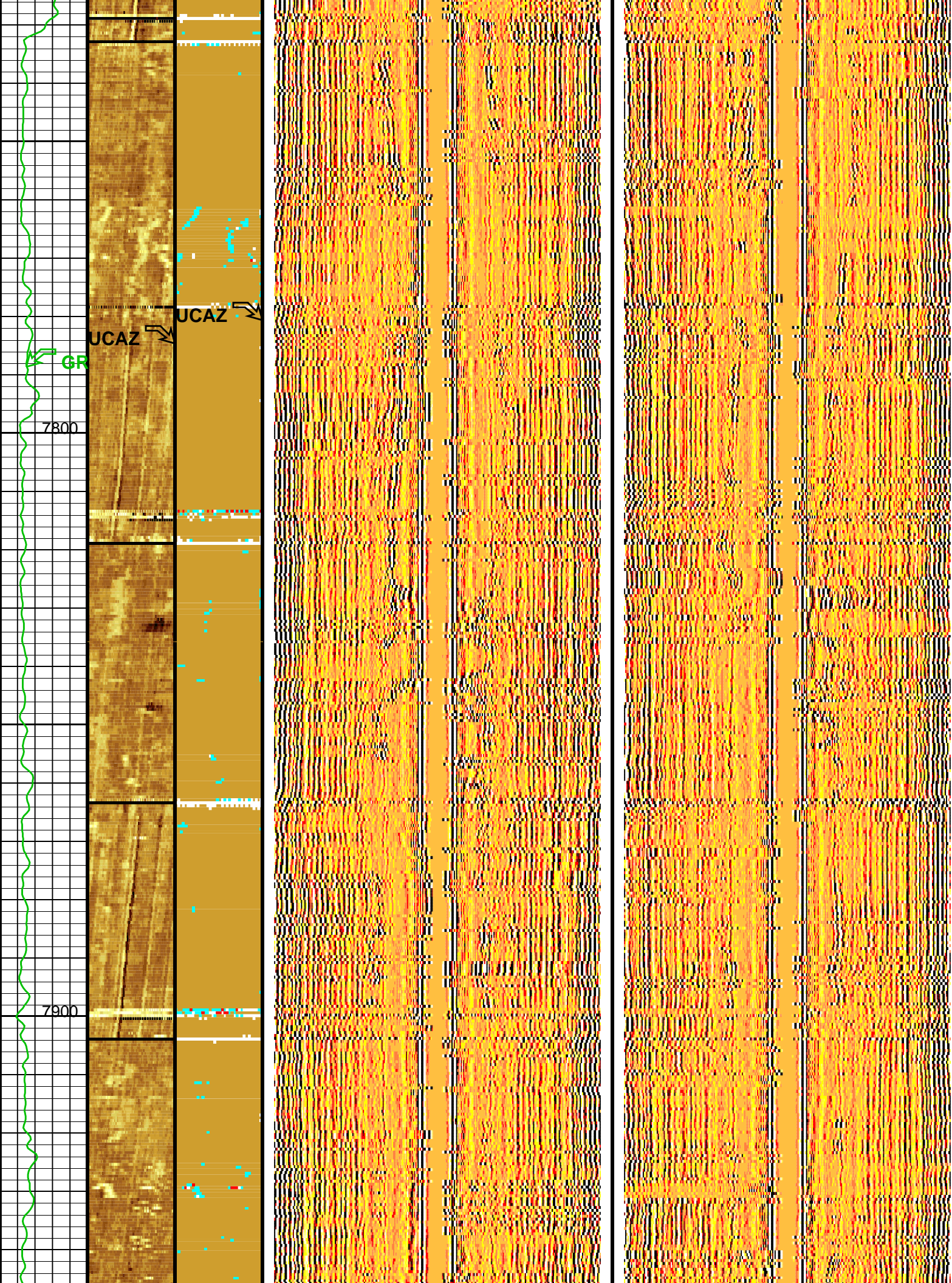
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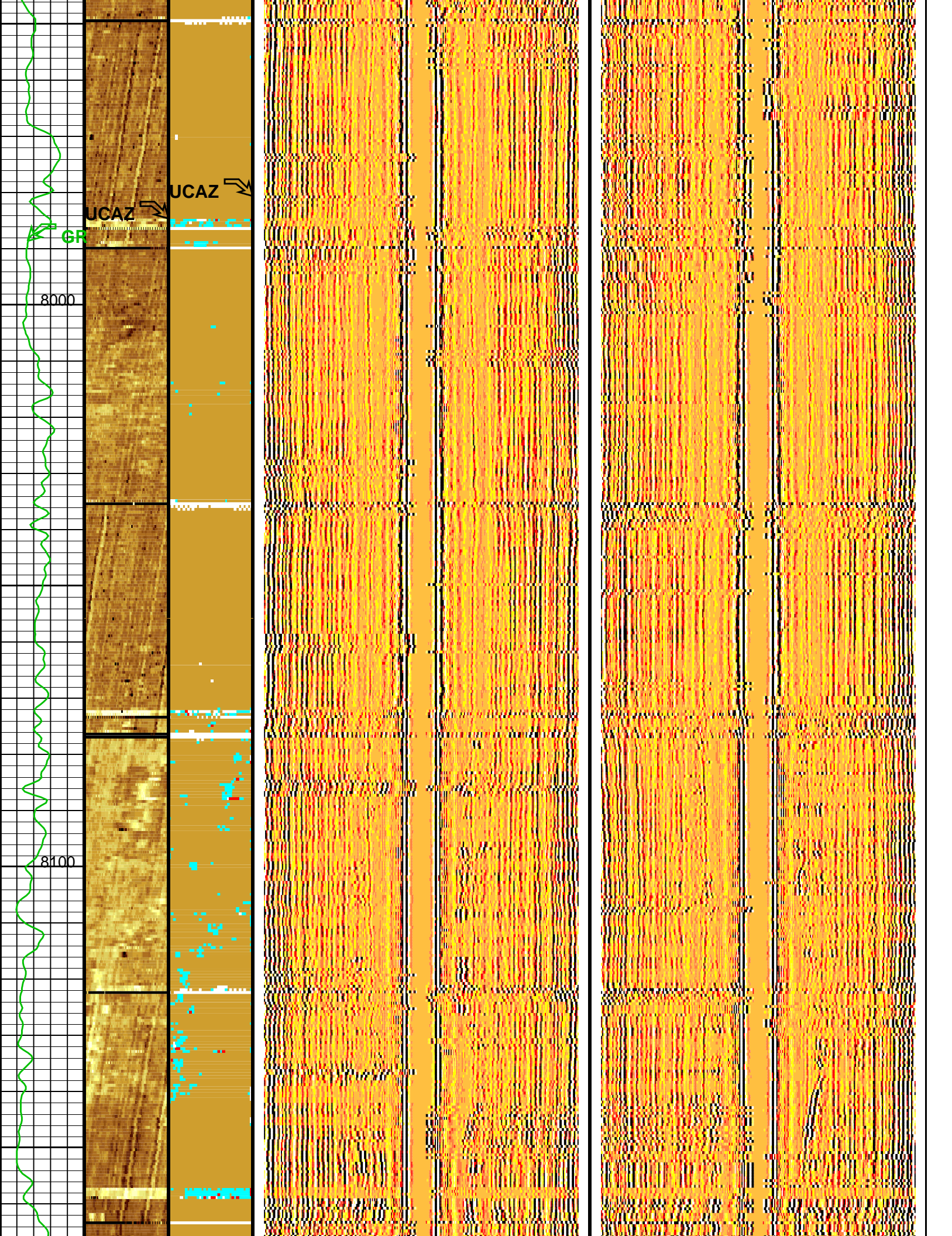
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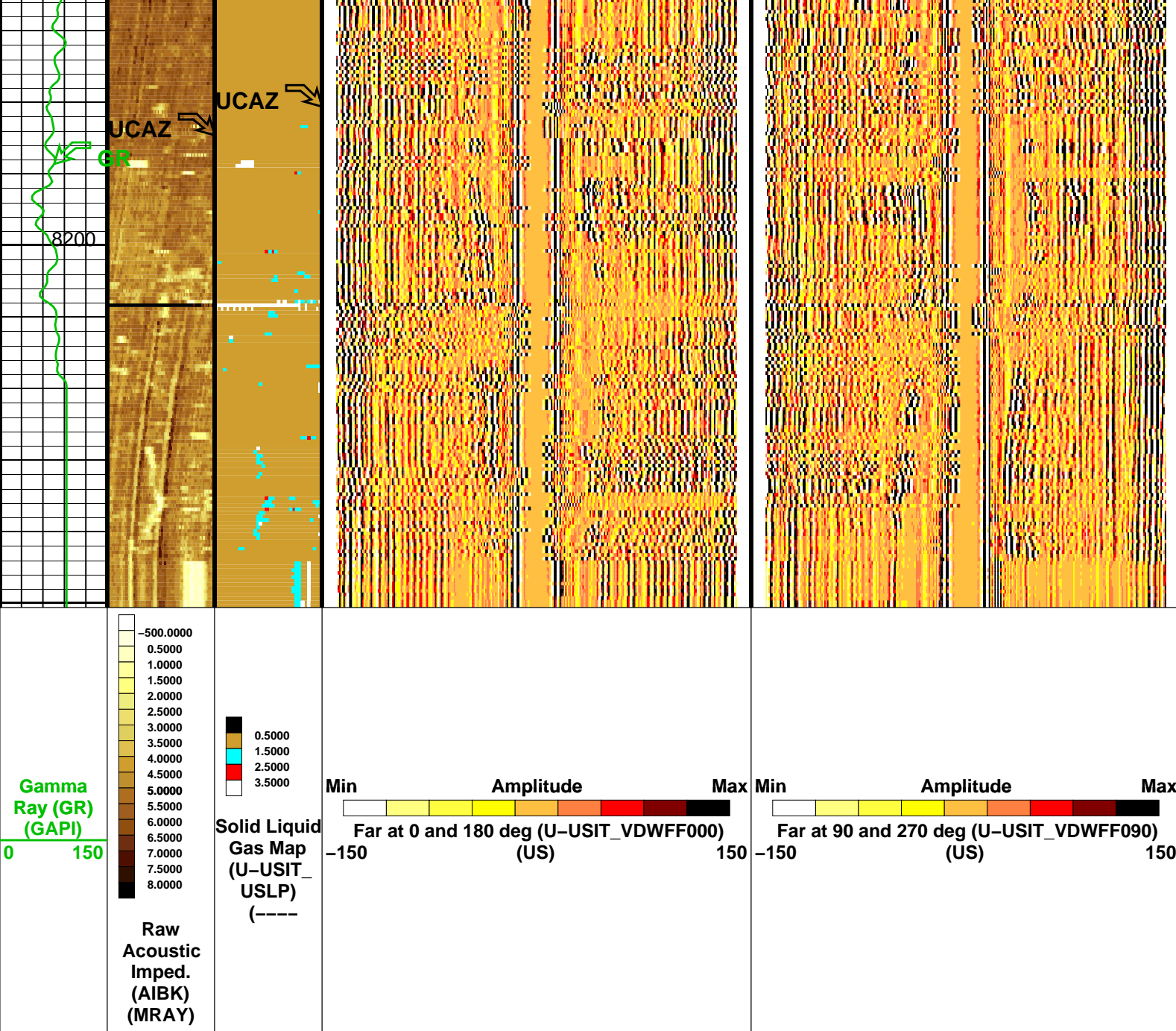
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7500









Parameters

DLIS Name	Description	Value	
USIT-D: Ultrasonic Imaging – D			
AGMN	Minimum Gain of Cartridge	–4	DB
AGMX	Maximum Gain of Cartridge	20	DB
BERJ	Bad Echo Rejection	ON	
CDIA	Casing Outer Diameter	7	IN
CSDE	Casing Density	486.94	LBCF
CSID	Casing Inner Diameter	6.276	IN
DFVL	Default Fluid Velocity	206	US/F
DOT	Diameter of Transducer Sensor	2.874	IN
EMXV	EMEX Voltage	110	V
FSOD	Fluid Slowness Fits Casing Outer Diameter	5_UFSL_N_ZMUD	
IMAR	Image Rotation	OFF	
MW	Mud Weight	8.4	LB/G
RCOD	Reference Calibrator Outer Diameter	7	IN
RCSO	Reference Calibrator Standoff	1.1811	IN
RCTH	Reference Calibrator Thickness	0.2952	IN
TCUB	T^3 Processing Level	Vax_Loop	
THDH	Maximum Search Thickness (percentage of nominal)	130	
THDL	Minimum Search Thickness (percentage of nominal)	70	
THDP	Thickness Detection Policy	Fundamental	
THNO	Nominal Thickness of Casing	0.362	IN
U-USIT_CENT	USIT Cement Type	LIGHT	
U-USIT_DFSZ	Drilling Fluid Specific Acoustic Impedance	0	MRAY

U-USIT_IISR	USIT IBC Inverted Fluid Slowness Resolution	1.0_US_P_FI	
U-USIT_IIZR	USIT IBC Inverted Fluid Slowness Resolution	0.050_MRAY	
U-USIT_OCDI	USIT Outer Casing Diameter	0	IN
U-USIT_OCSH	USIT Outer Casing Shoe	0	FT
U-USIT_OCWE	USIT Outer Casing Weight	0	LB/F
U-USIT_TIEB	IBC Third Interface Echo Bin Processing	YES	
U-USIT_TIEC	IBC Third Interface Echo Cleaning	NONE	
U-USIT_TIEM	IBC Third Interface Echo Multi Tracking	NO	
U-USIT_TIEP	IBC Third Interface Echo Policy	BFEP	
U-USIT_TIER	IBC Third Interface Echo Receivers	BOTH	
U-USIT_U3WE	Third Interface Echo Window End	110	US
U-USIT_UBTP	USIT Bottom Transducer Position	UNKNOWN	
U-USIT_UFAO	USIT Flexural Attenuation Offset	-8	DB/M
U-USIT_UIAP	USIT IBC Answer Product Enabled	SolidLiquidGasMap	
U-USIT_UIST	Ultrasonic IBC Sonde Type	Sub_ibcs_B	
U-USIT_UTAN	USIT Transducer Angles	33_DEG	
UMAO	USIT Measurement Angular Offset	-10	DEG
USTO	Ultrasonic Time Offset	-2	US
USUB	Ultrasonic Subassembly Identifier	Sub_7_inch	
UWKM	Ultrasonic Working Mode	5DEG_6IN_136UNF_LF	
VCAS	Ultrasonic Transversal Velocity in Casing	51.4	US/F
WLEN	T^3 Processing Length	21.7078	US
ZCAS	Acoustic Impedance of Casing	46.25	MRAY
ZINI	Initial Estimate of Cement Impedance	-1	MRAY
ZMUD	Acoustic Impedance of Mud	1.85	MRAY
ZTCM	Acoustic Impedance Threshold for Cement	2.6	MRAY
ZTGS	Acoustic Impedance Threshold for Gas	0.3	MRAY
System and Miscellaneous			
BS	Bit Size	9.875	IN
CWEI	Casing Weight	26.00	LB/F
DO	Depth Offset for Playback	0.0	FT
DORL	Depth Offset for Repeat Analysis	0.0	FT
PP	Playback Processing	NORMAL	

Format: USI_IBC_VDL_WIDE Vertical Scale: 5" per 100' Graphics File Created: 19-Aug-2010 16:32

OP System Version: 18C0-147

USIT-D	18C0-147	HILTH-FTB	18C0-147
DTC-H	18C0-147		

Input DLIS Files

USI_TLD_MCFL_CNL_003PUP FN:2 19-Aug-2010 15:14 8250.5 FT 3495.5 FT

Output DLIS Files

DEFAULT	USI_TLD_MCFL_CNL_006PUP	FN:4	PRODUCER	19-Aug-2010 16:32
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Schlumberger

GOODWIN 5 INCH

MAXIS Field Log

Company: ExxonMobil Production Corp. Well: PCU 197-34A7

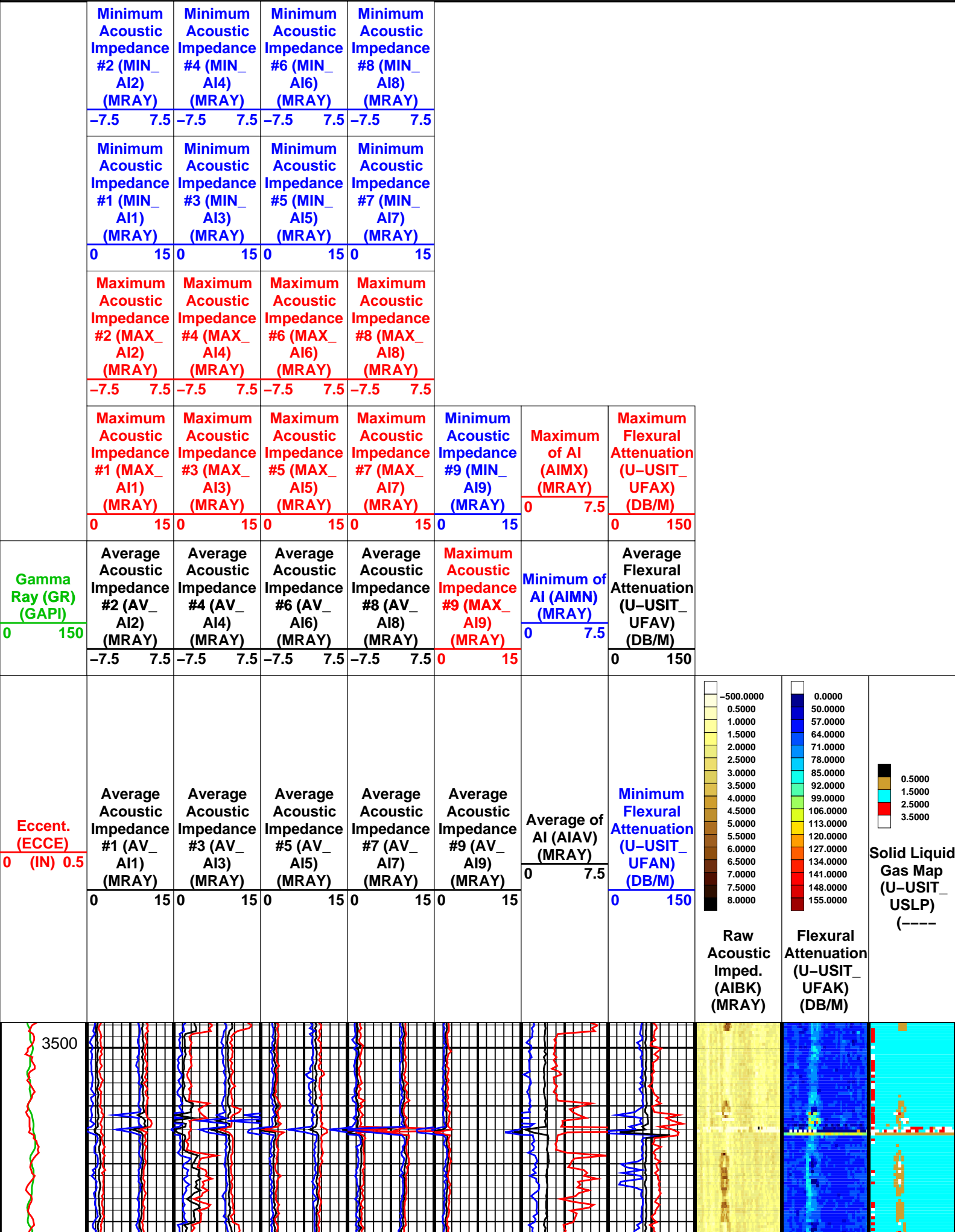
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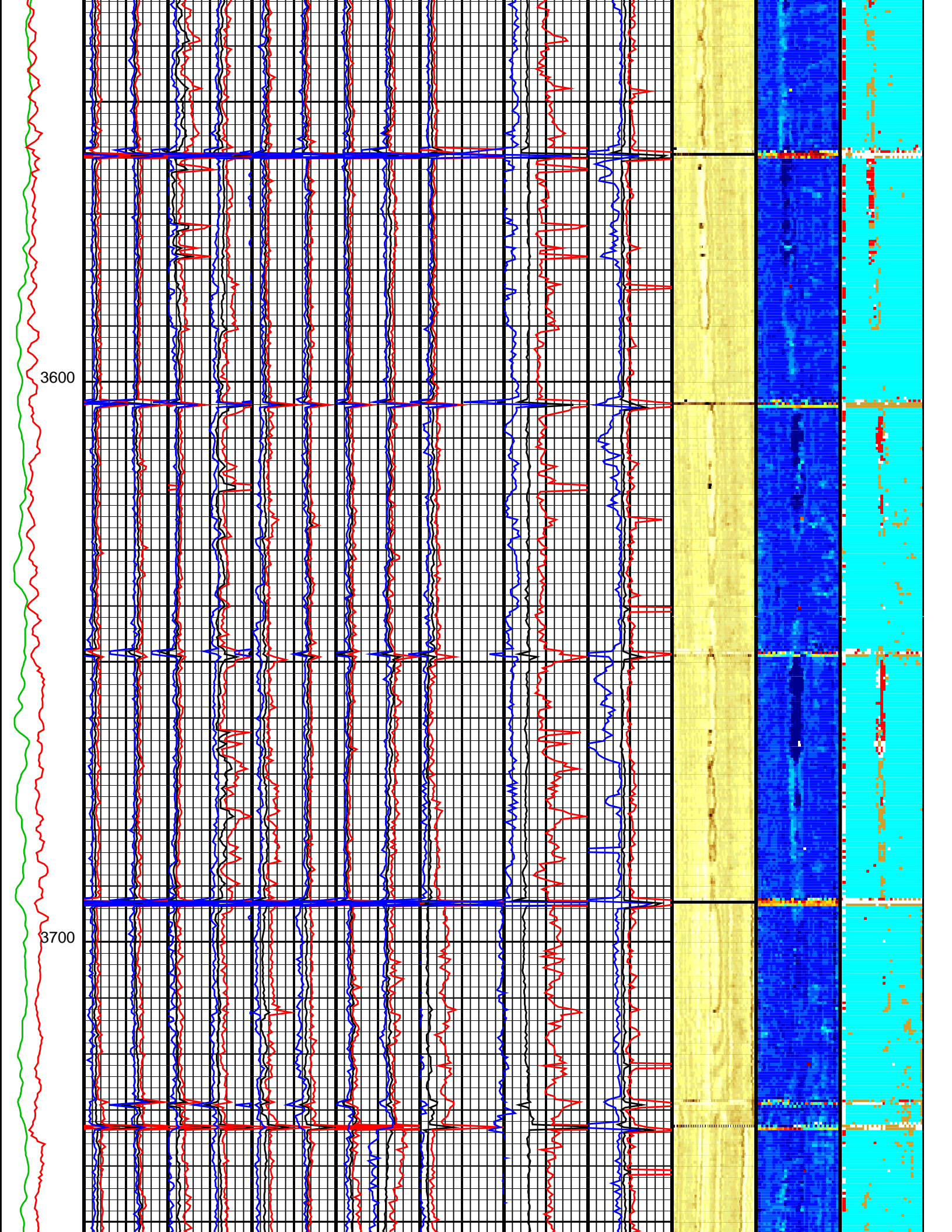
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Output DLIS Files

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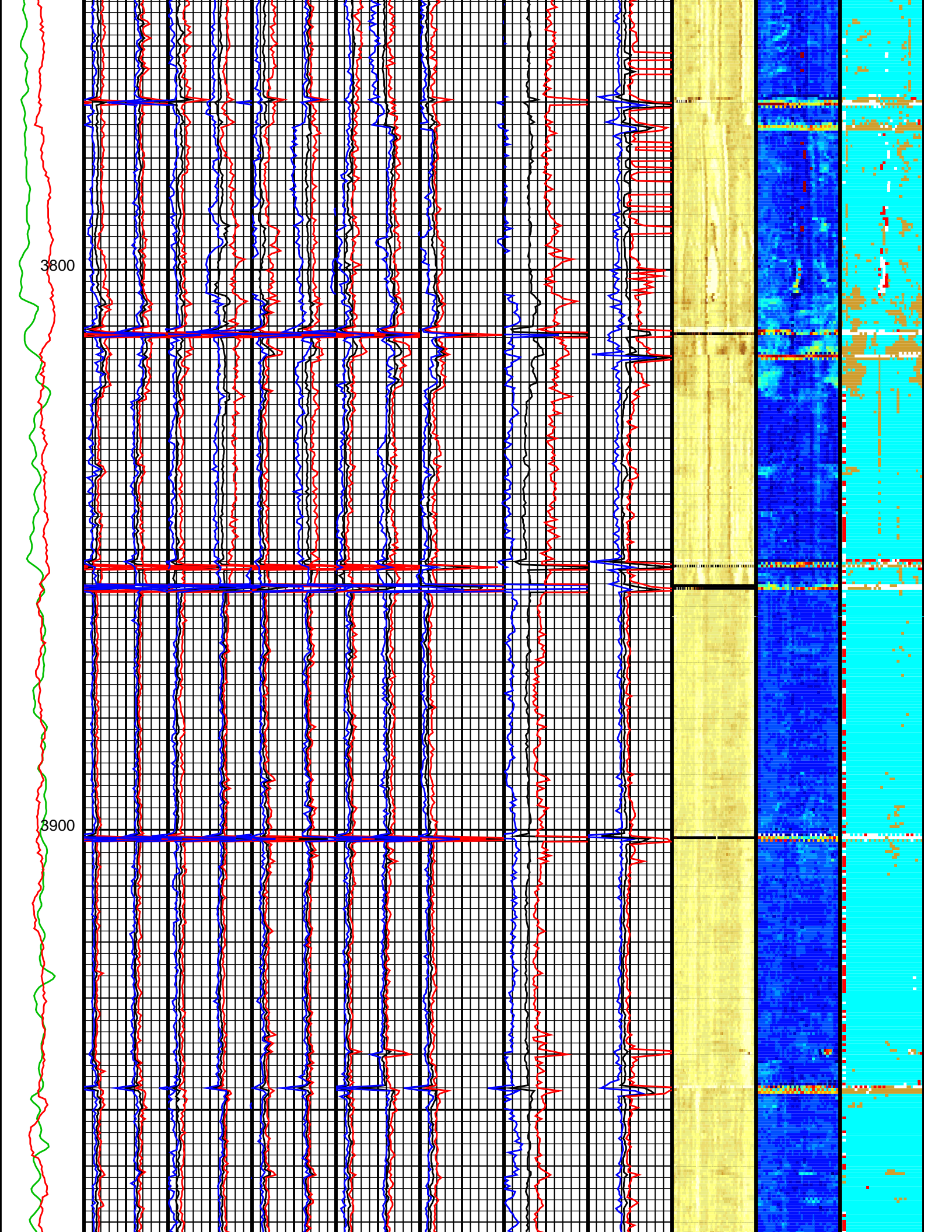
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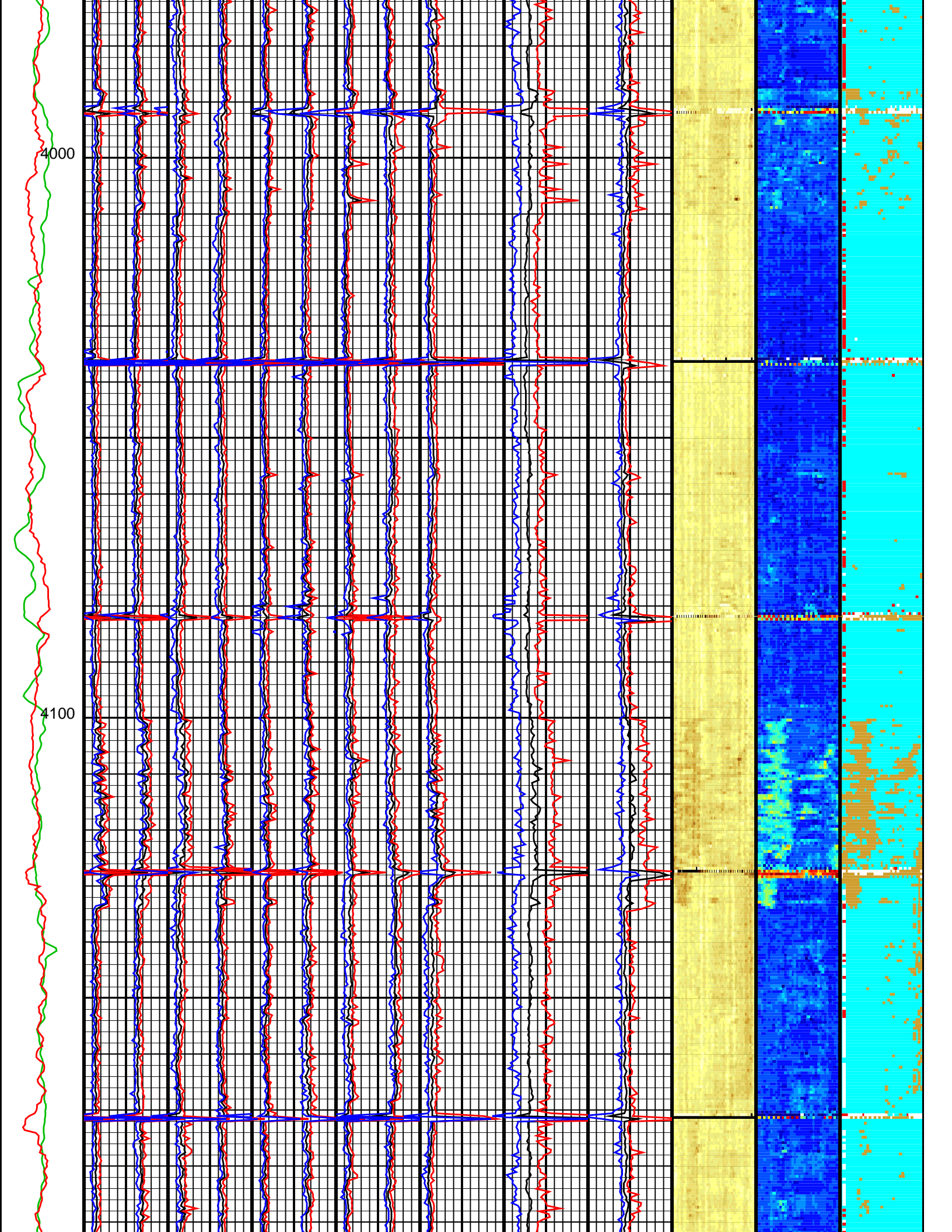


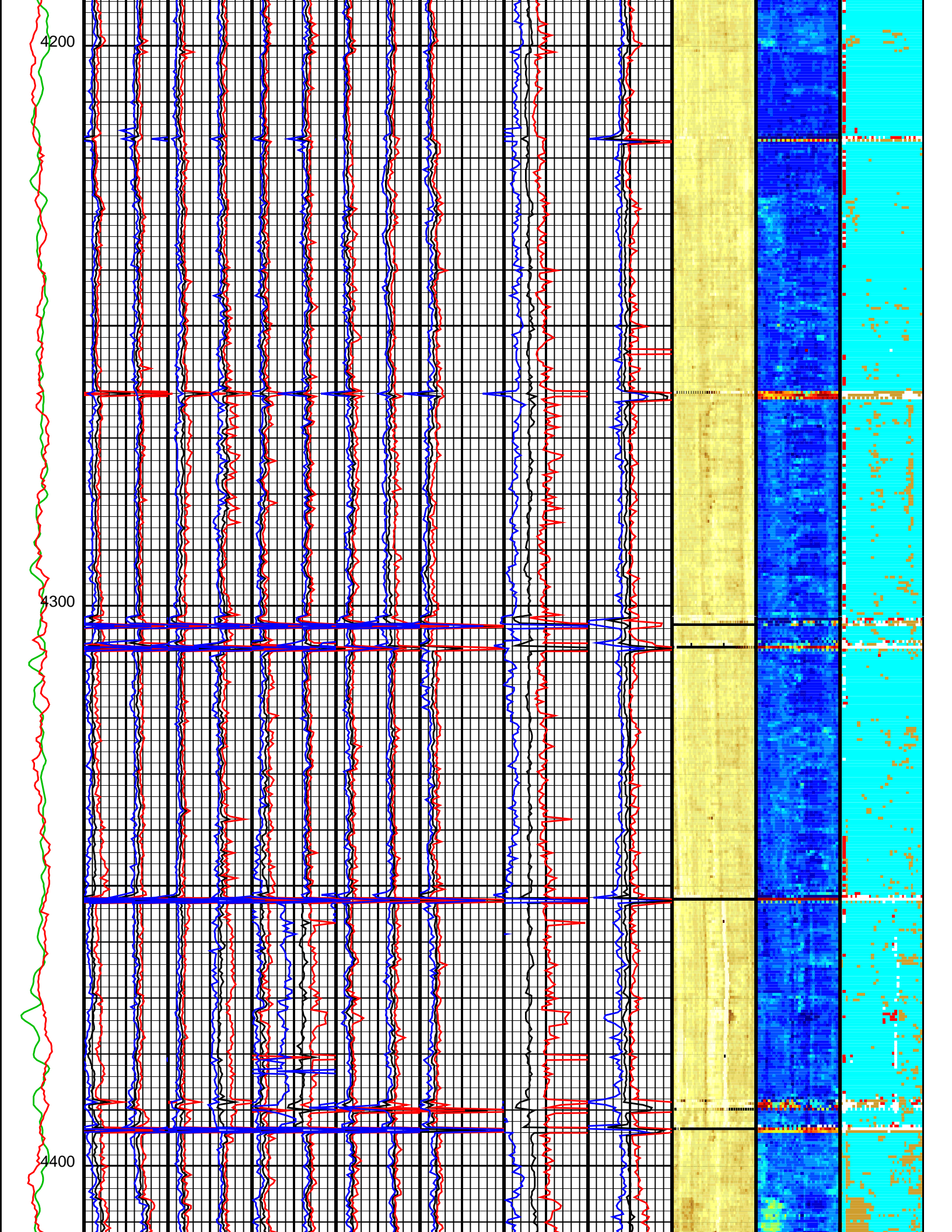


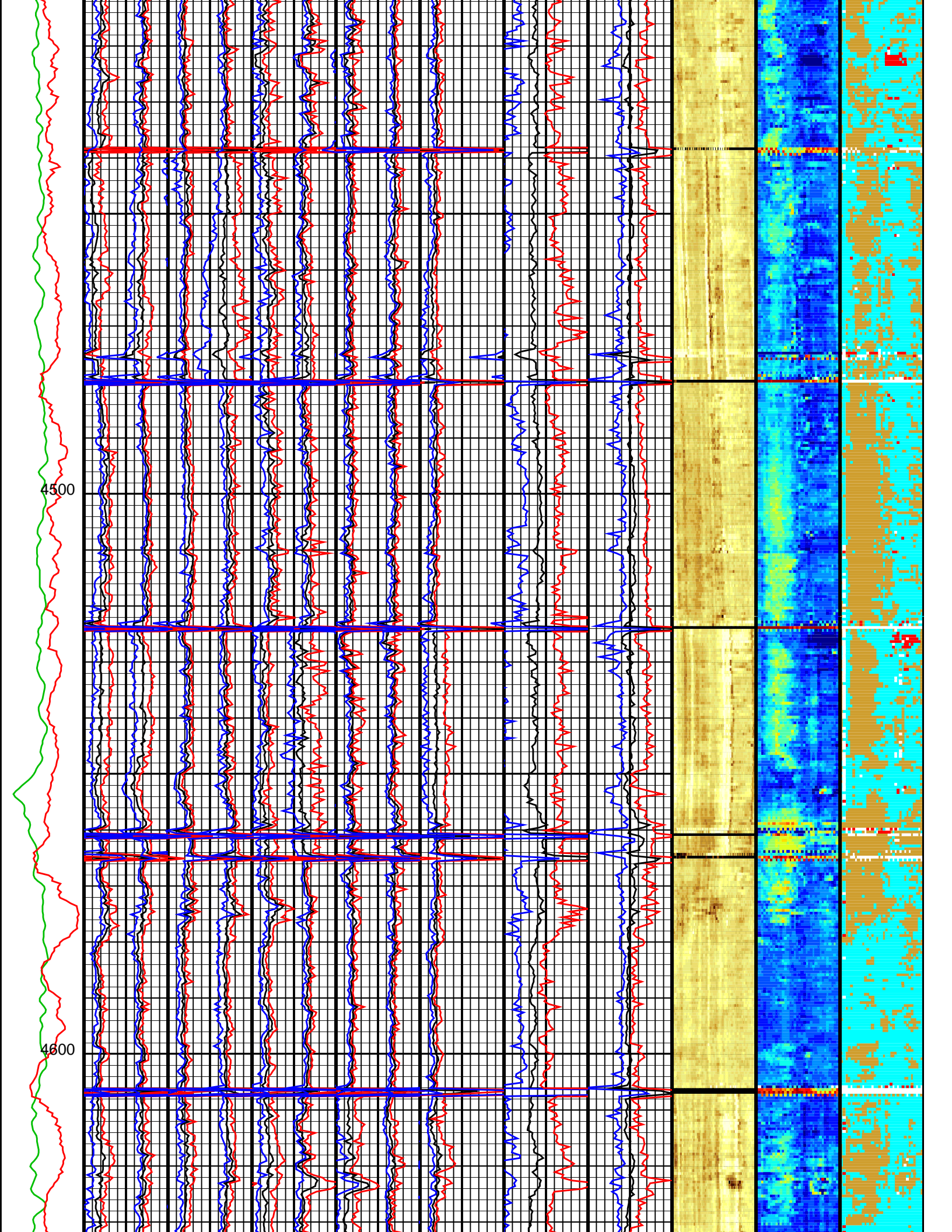
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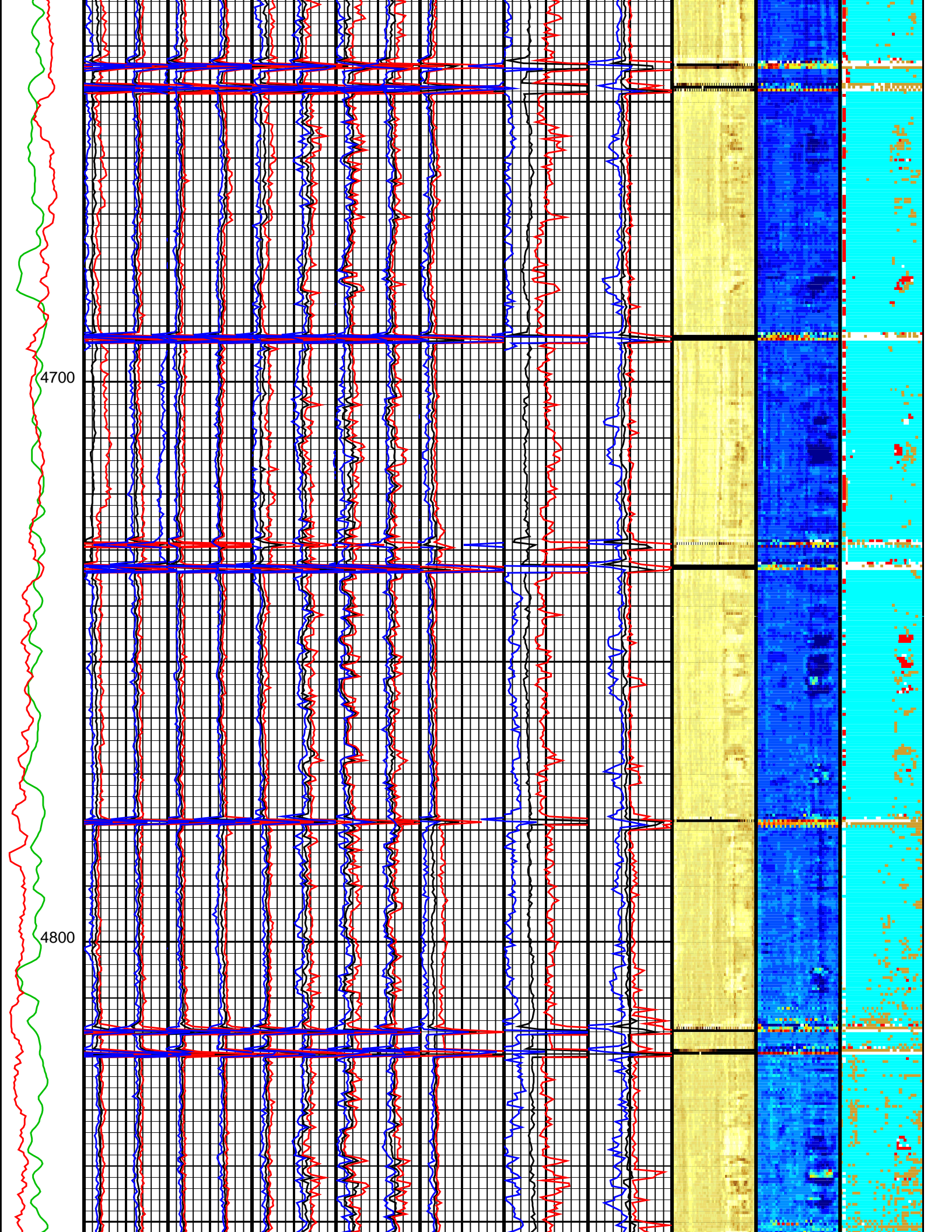
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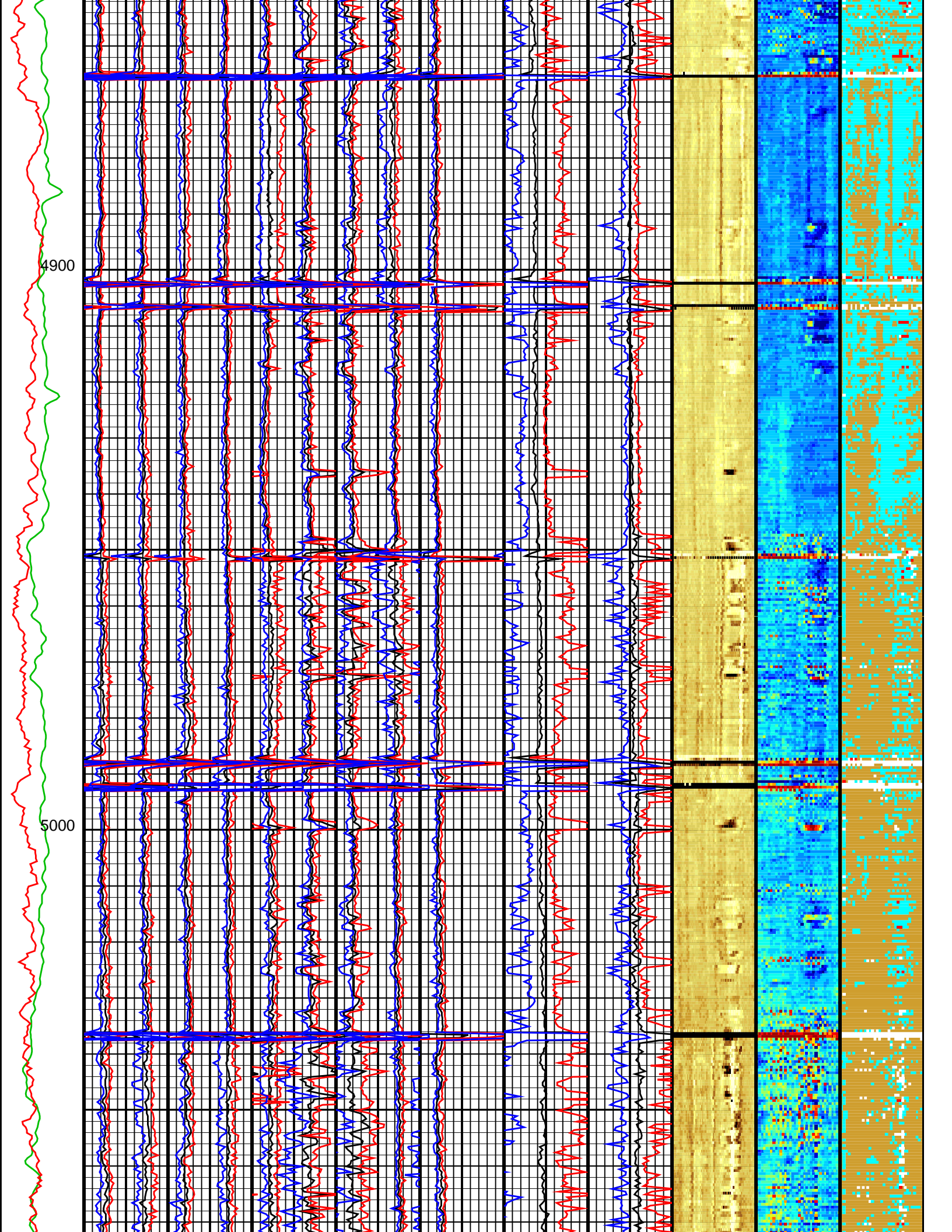


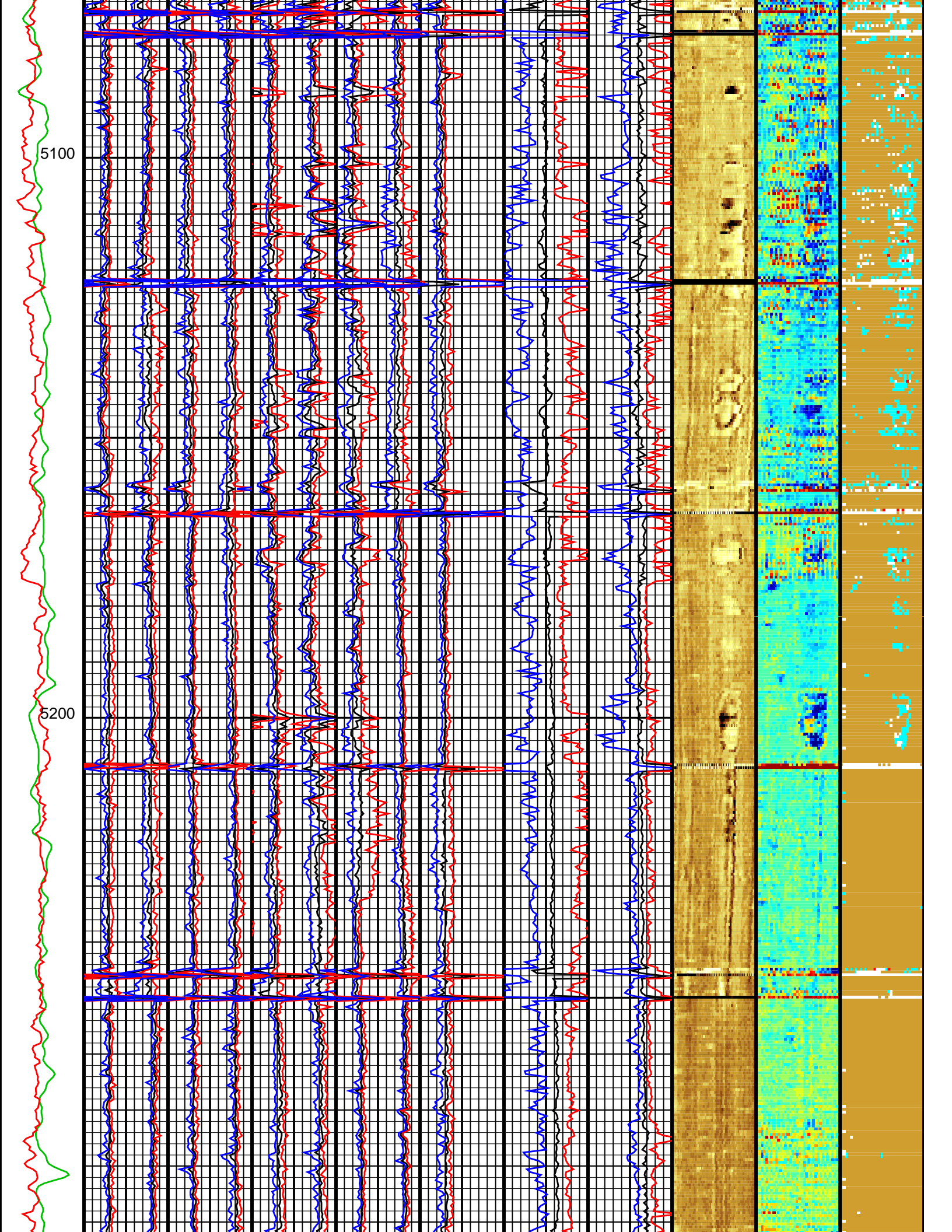


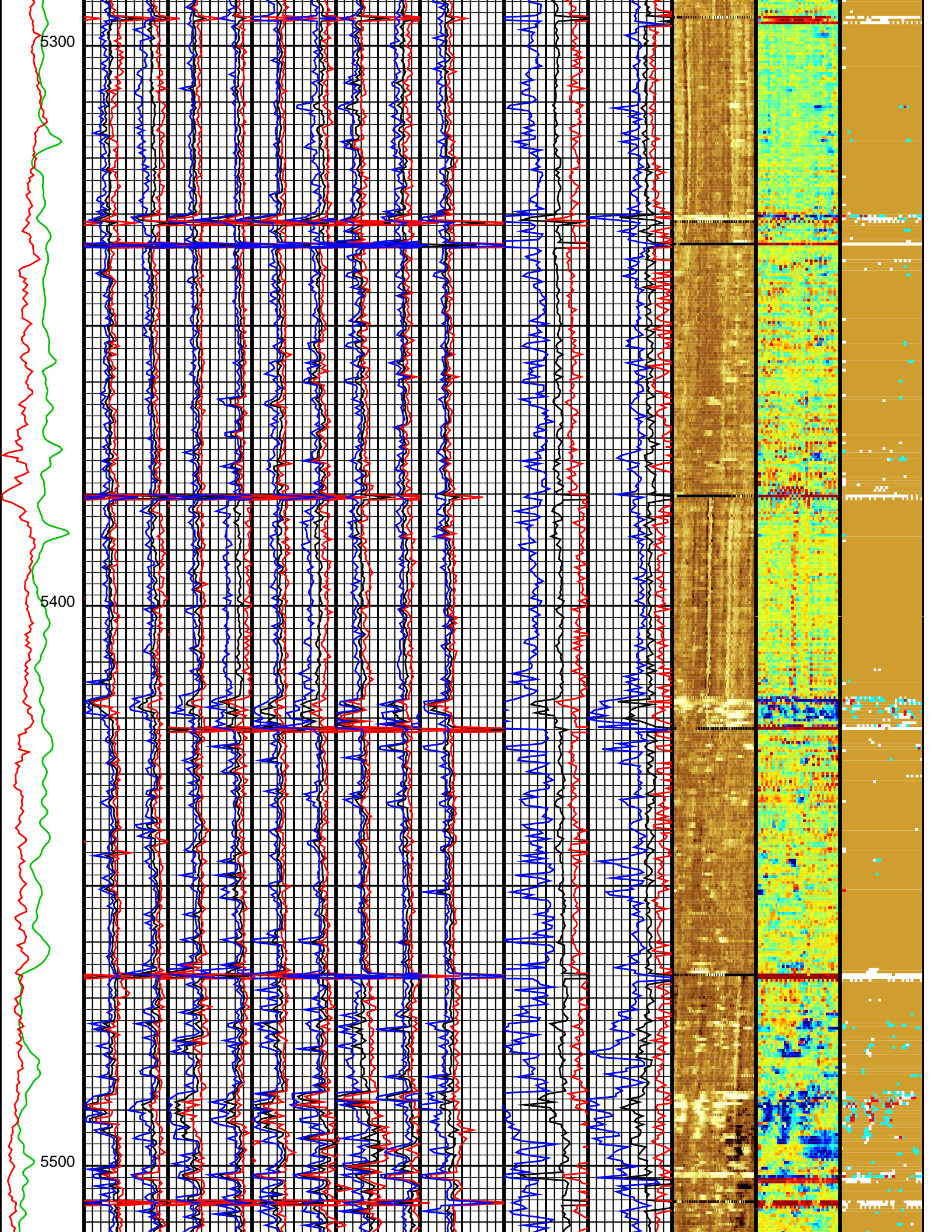


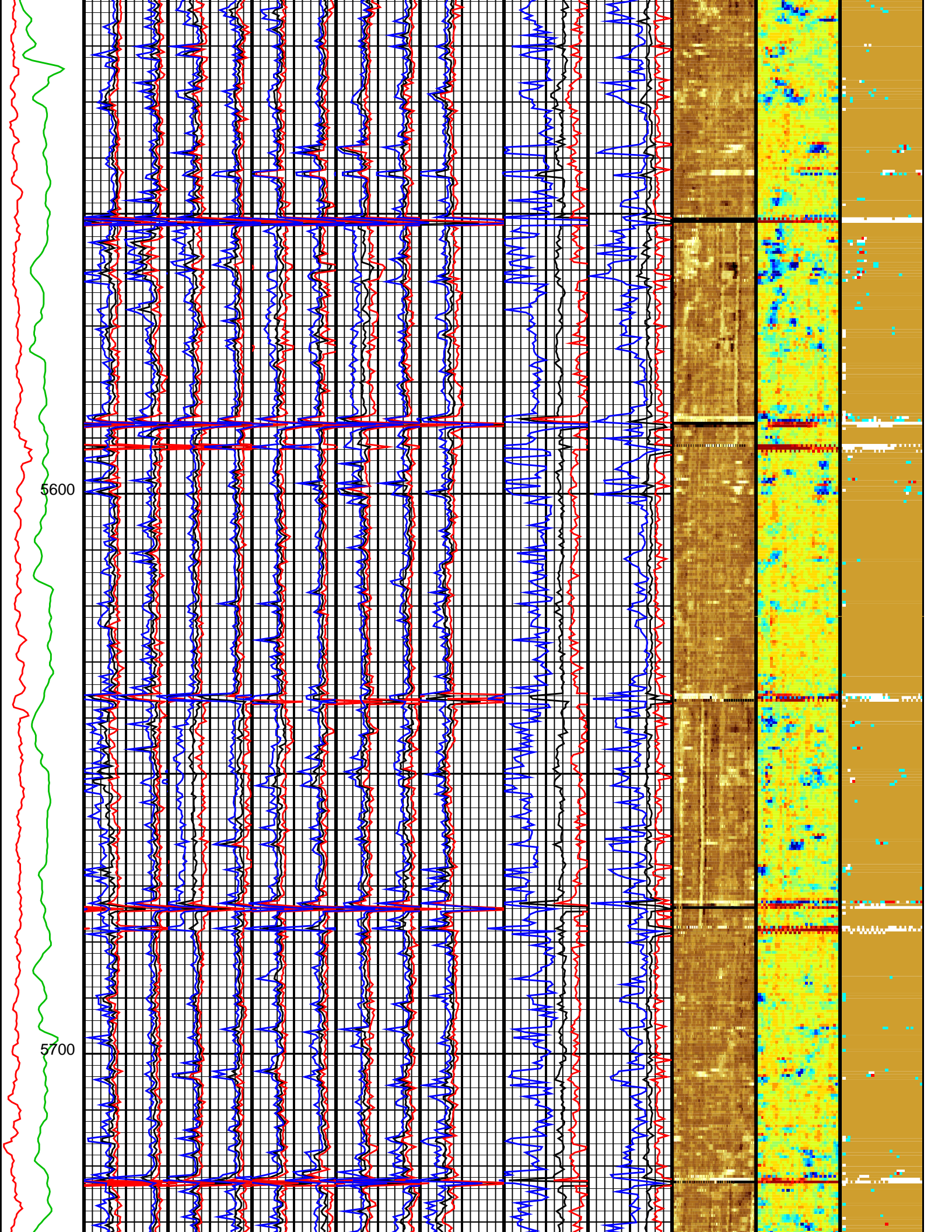


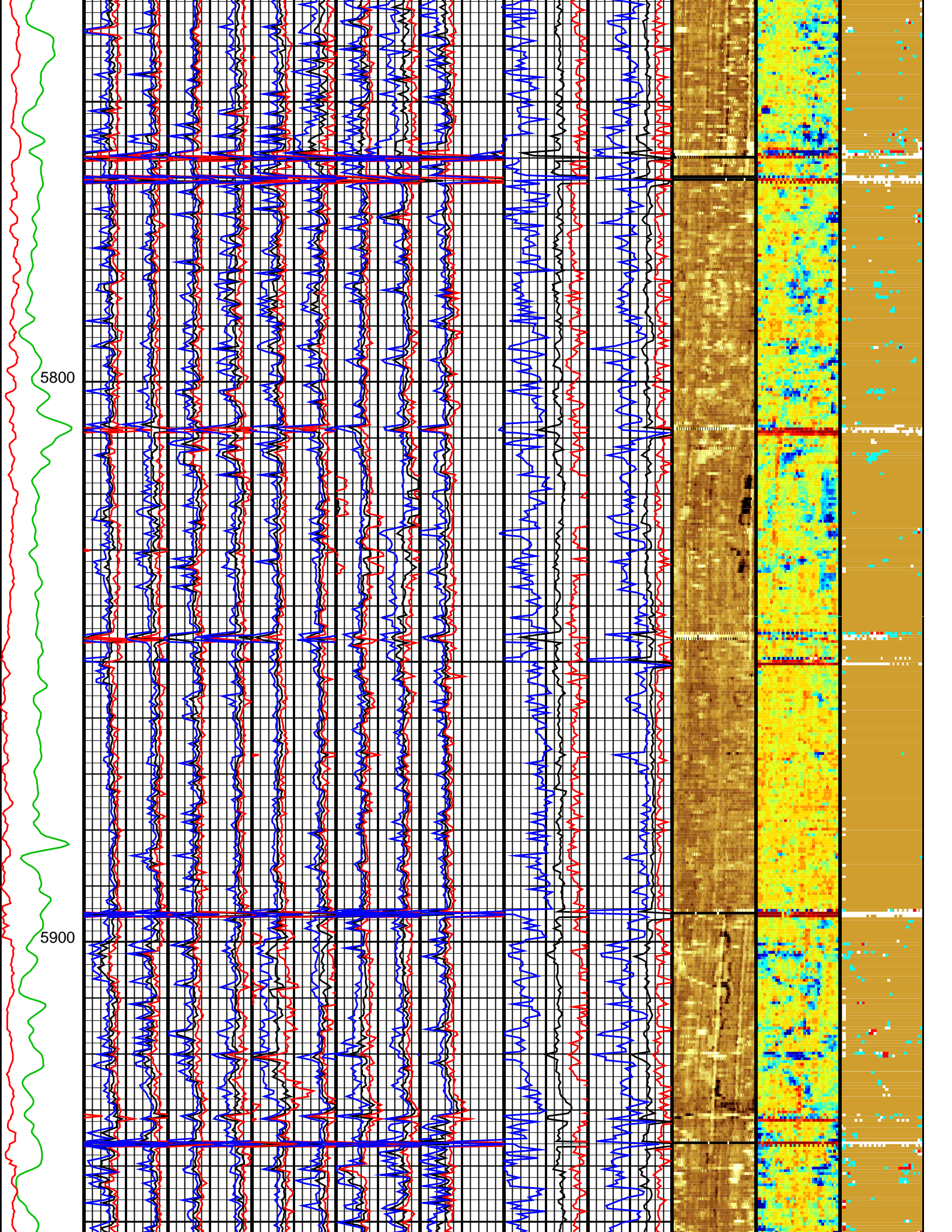


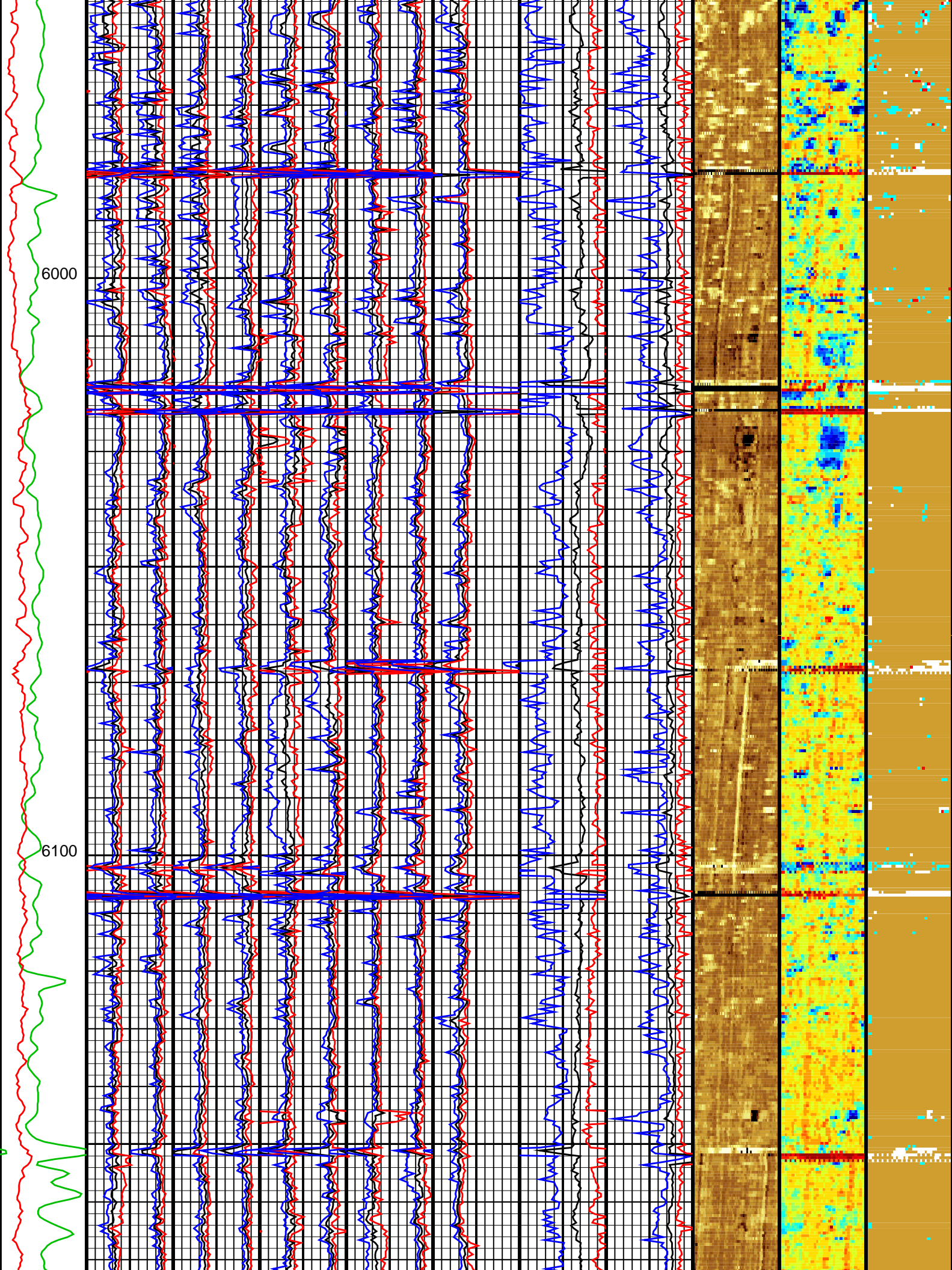


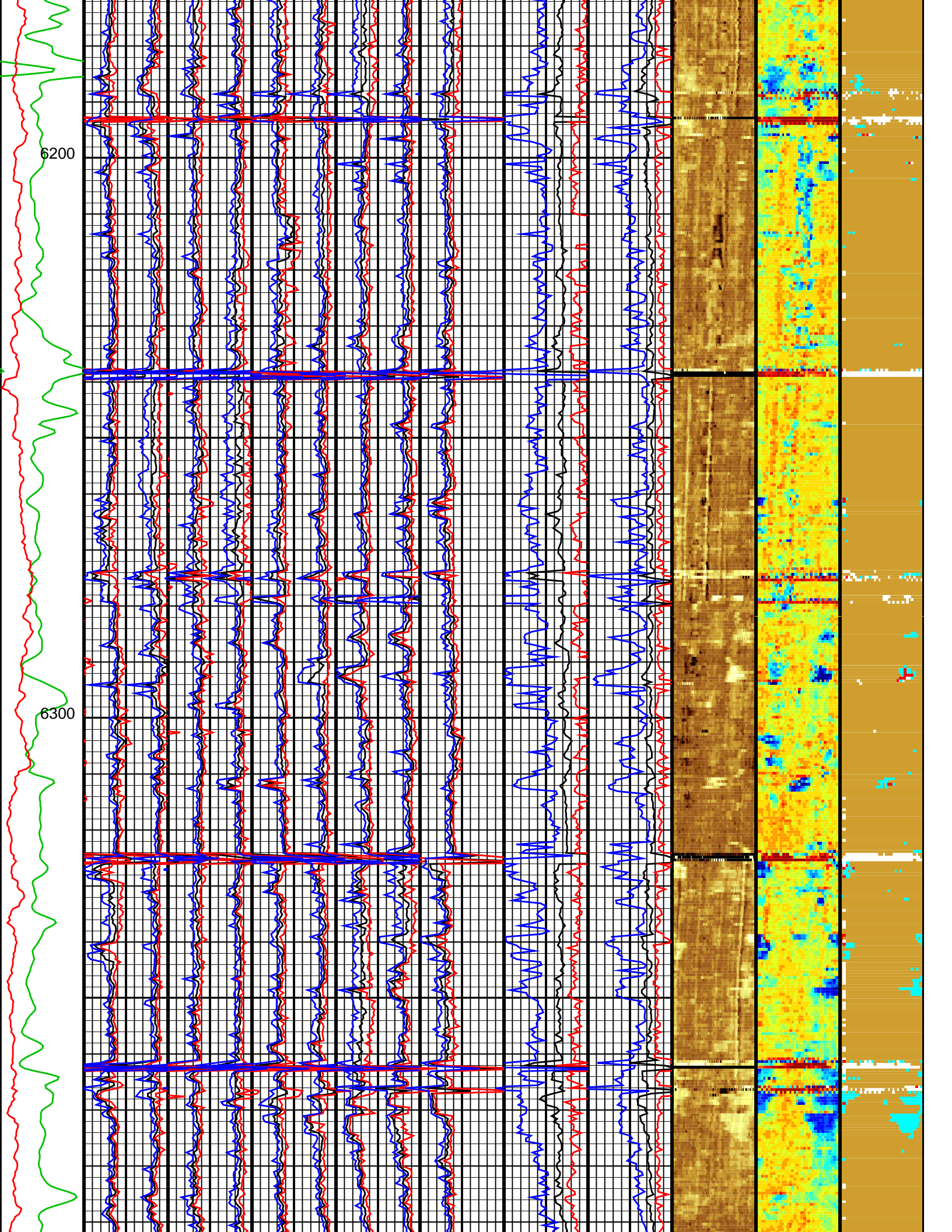


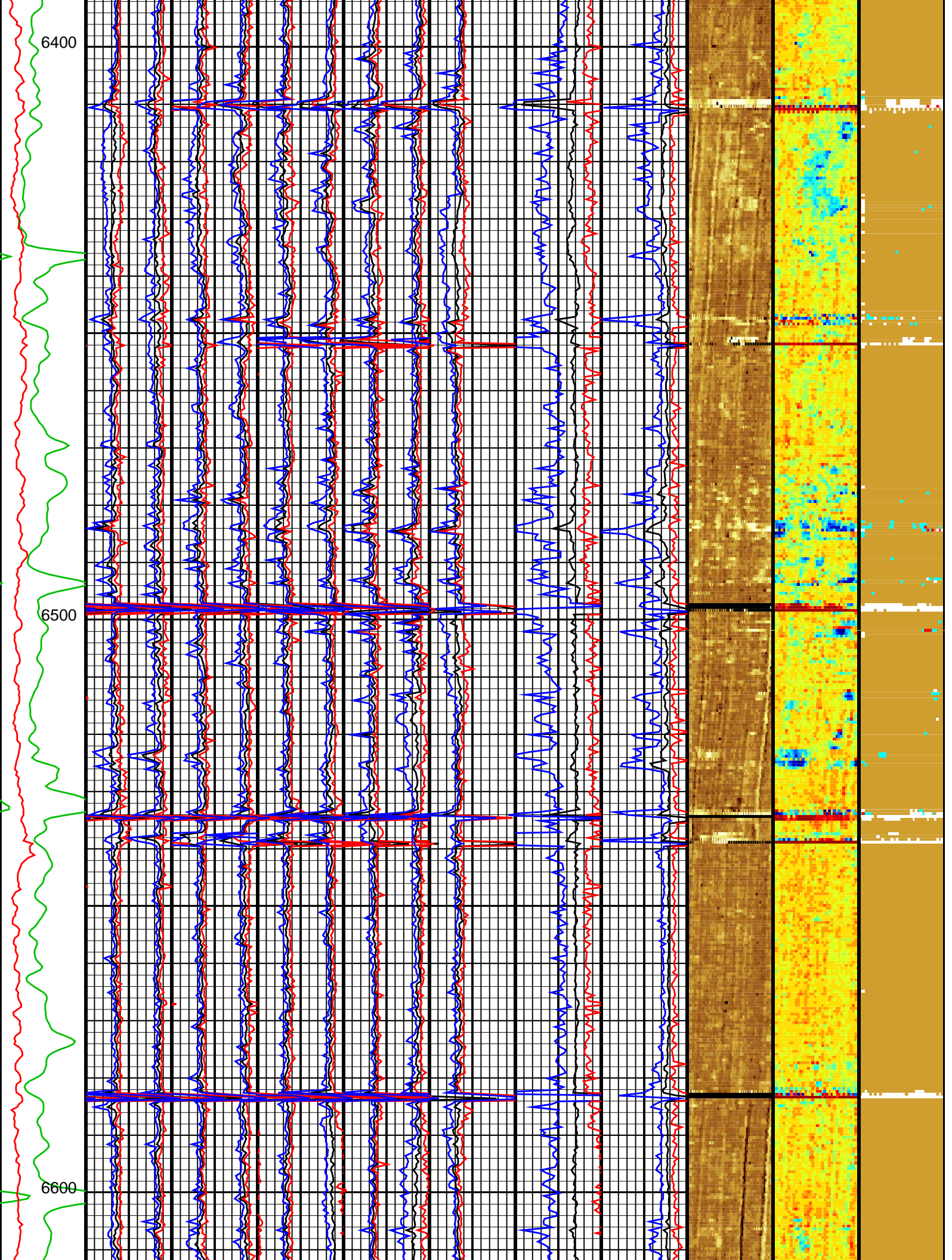


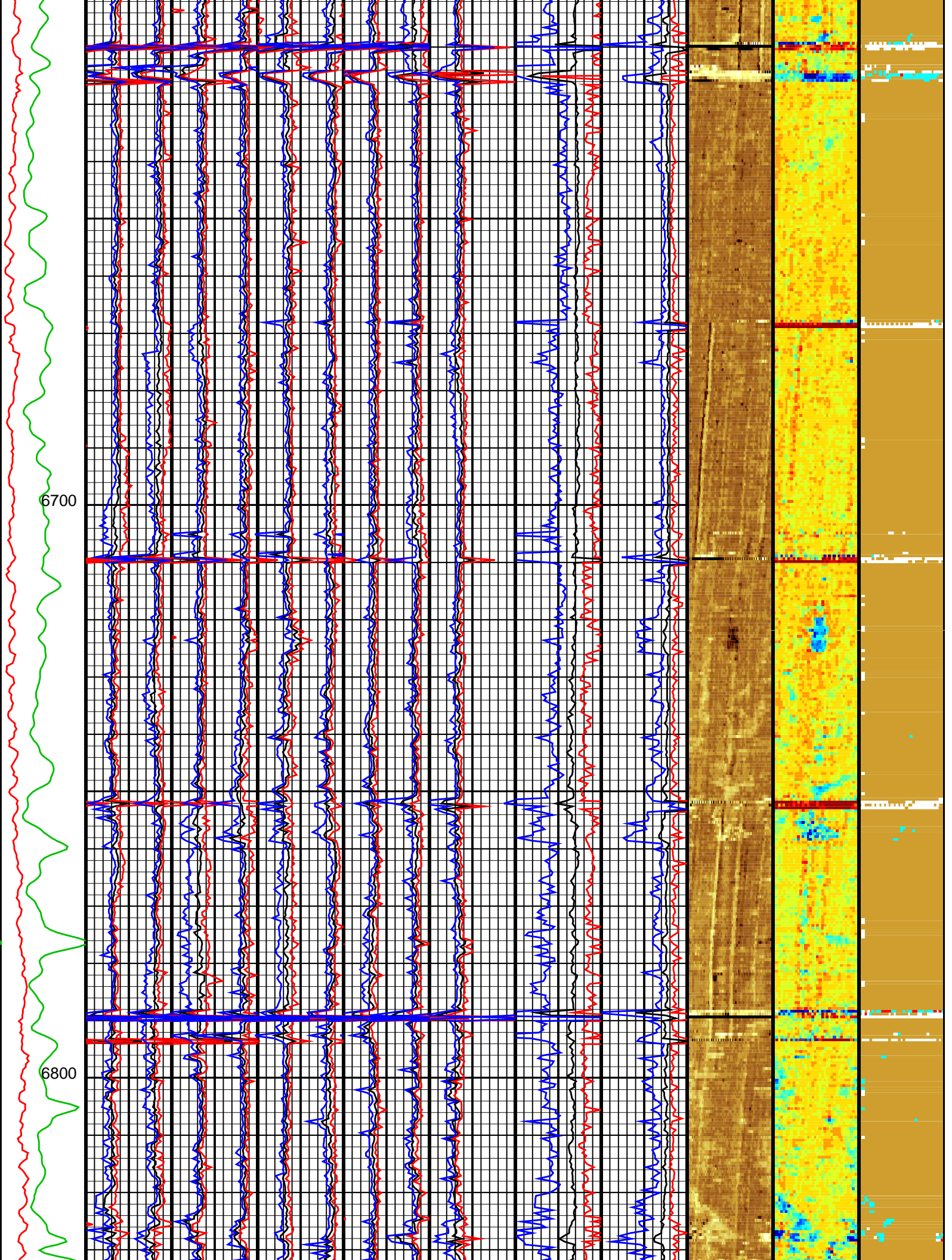


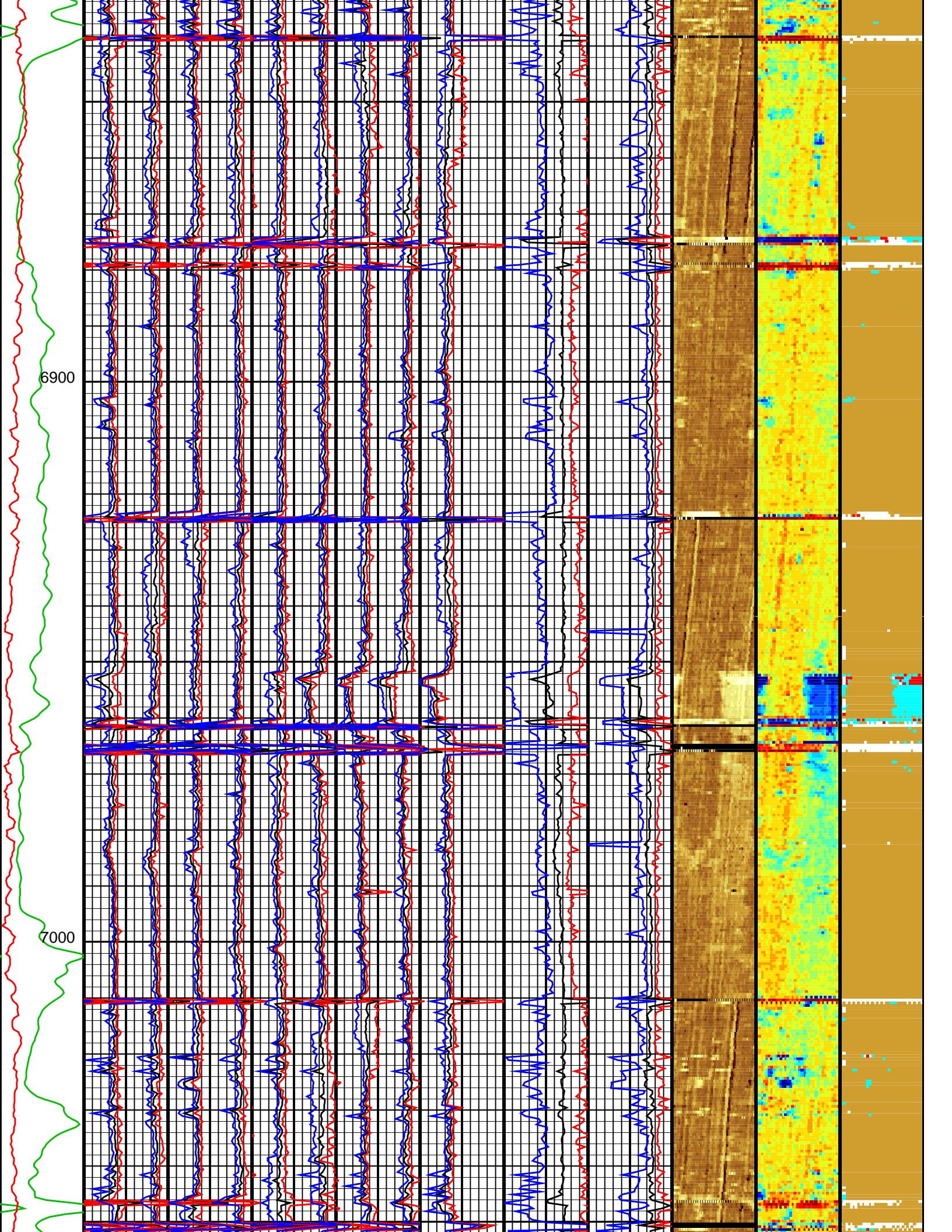


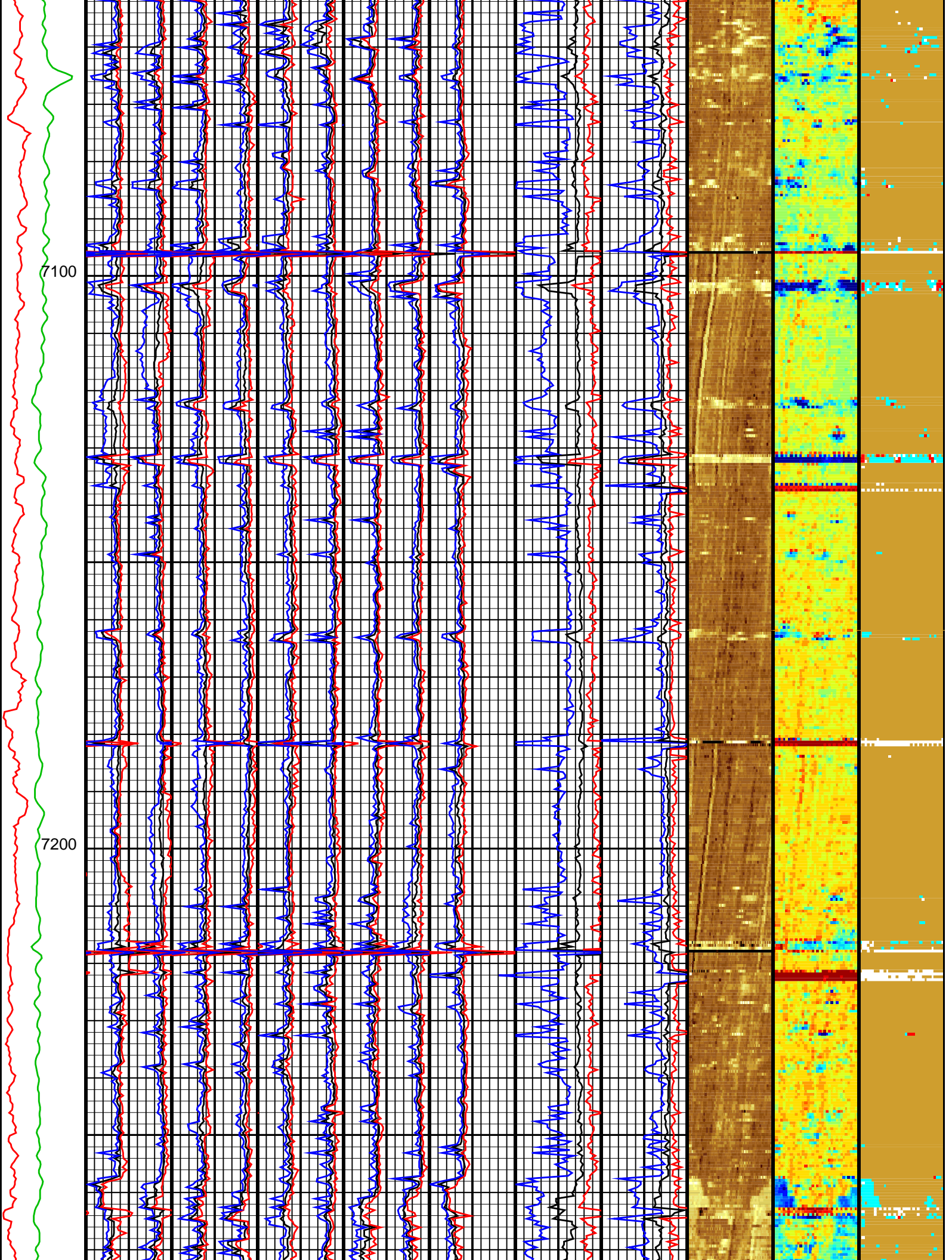


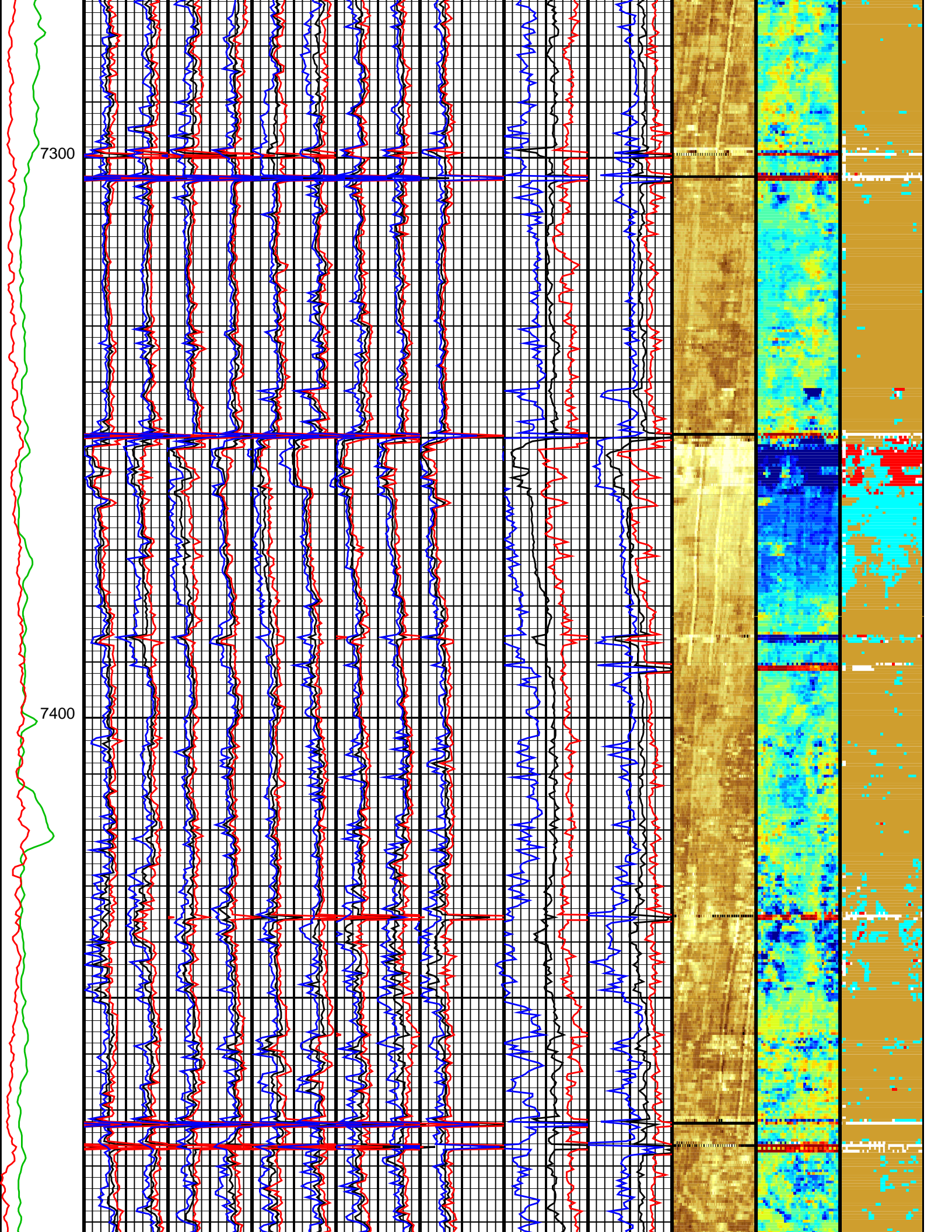


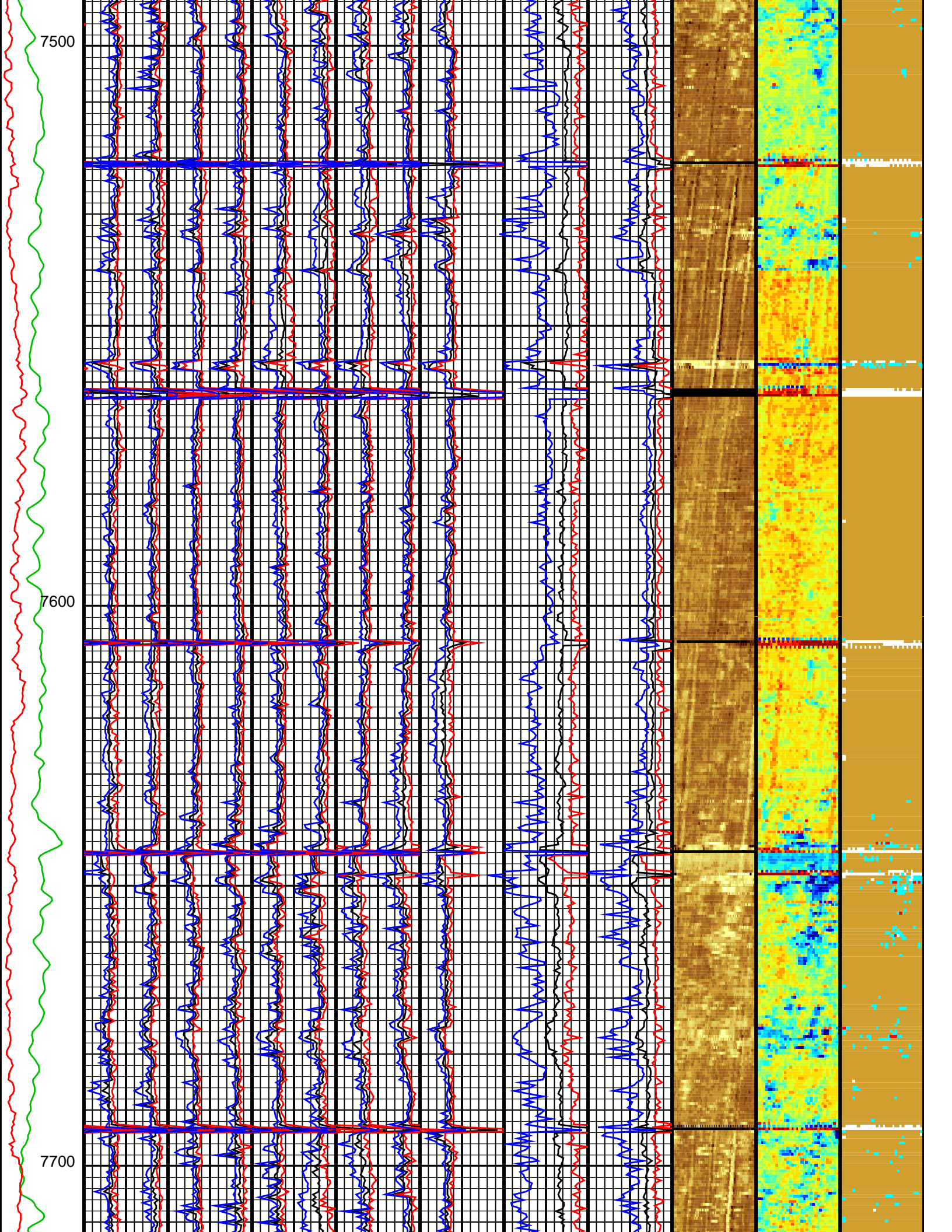


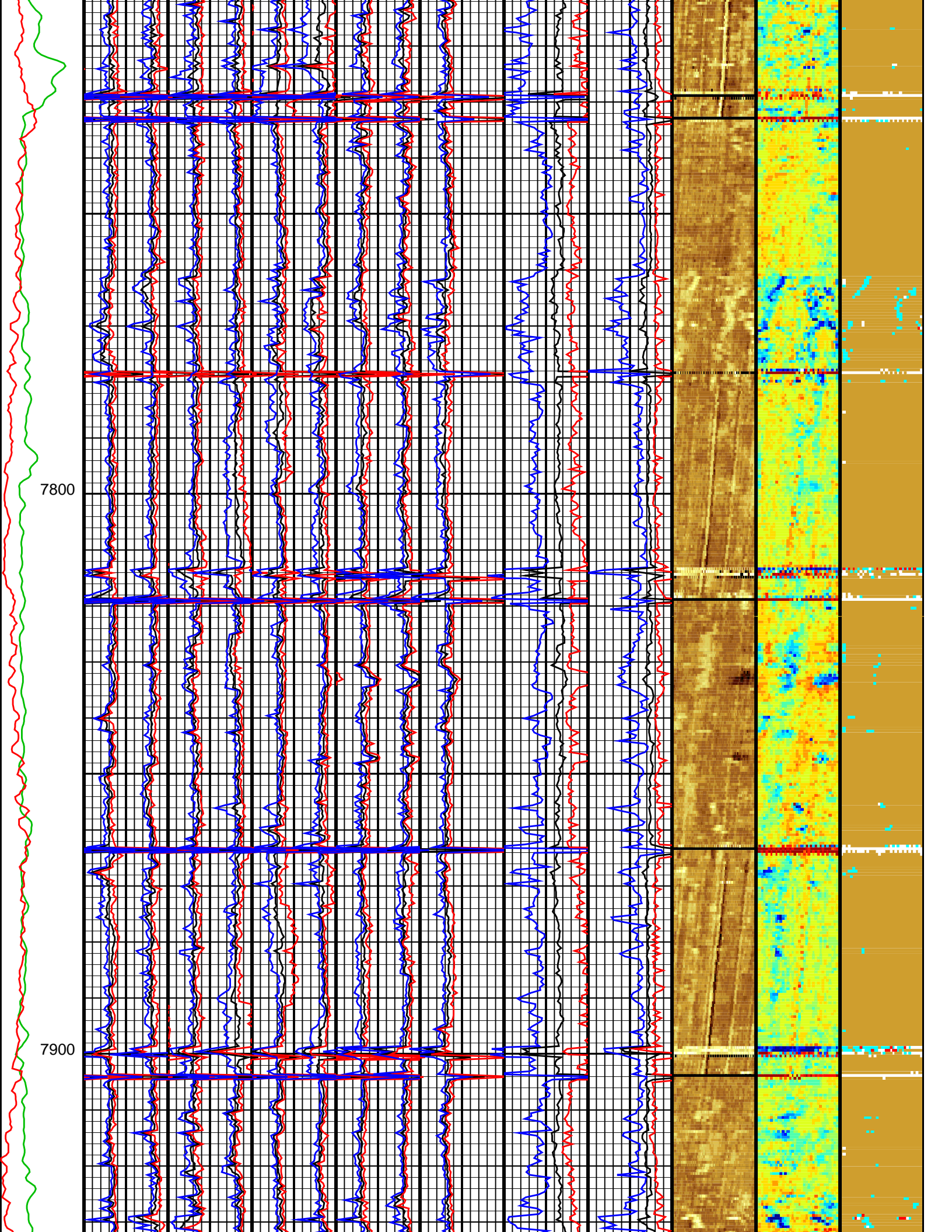


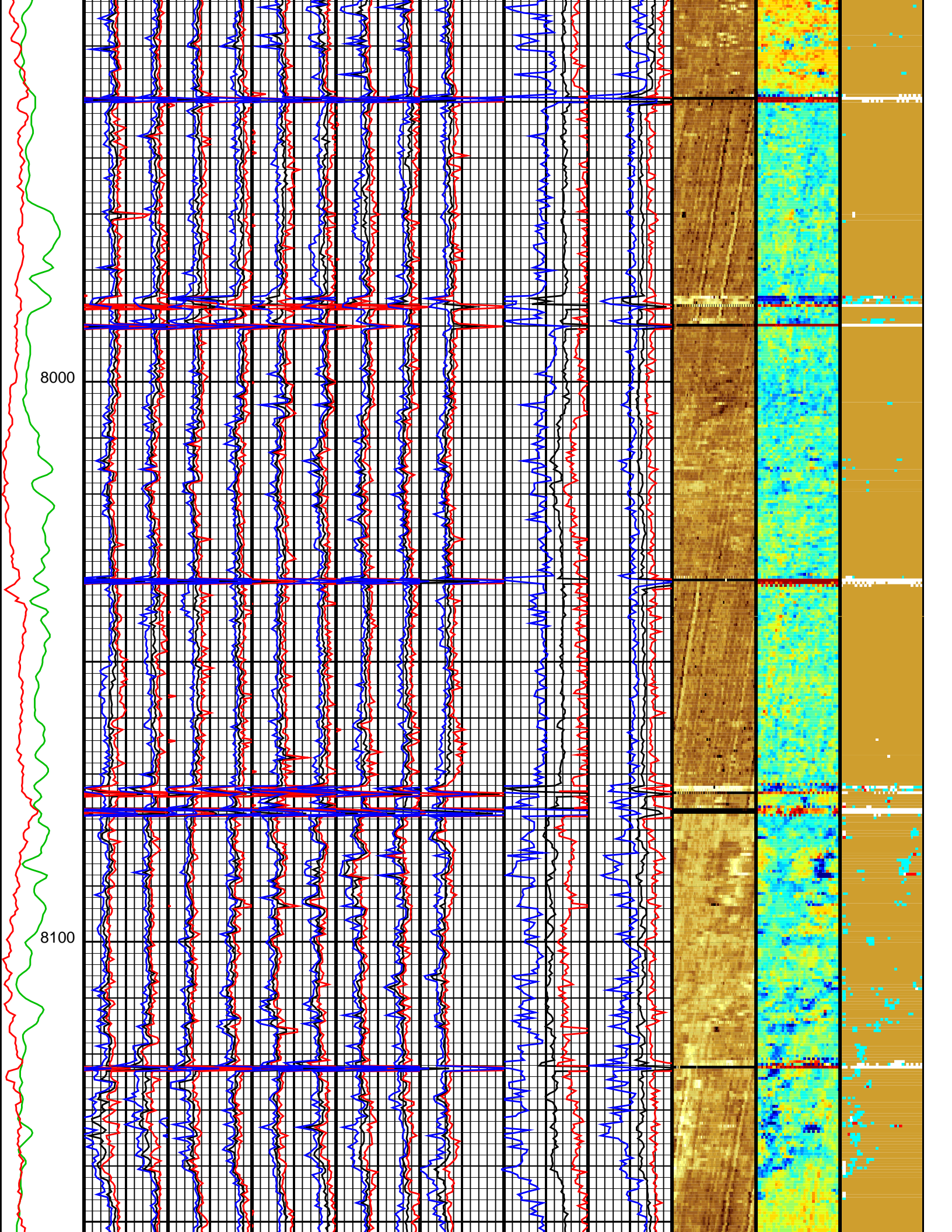


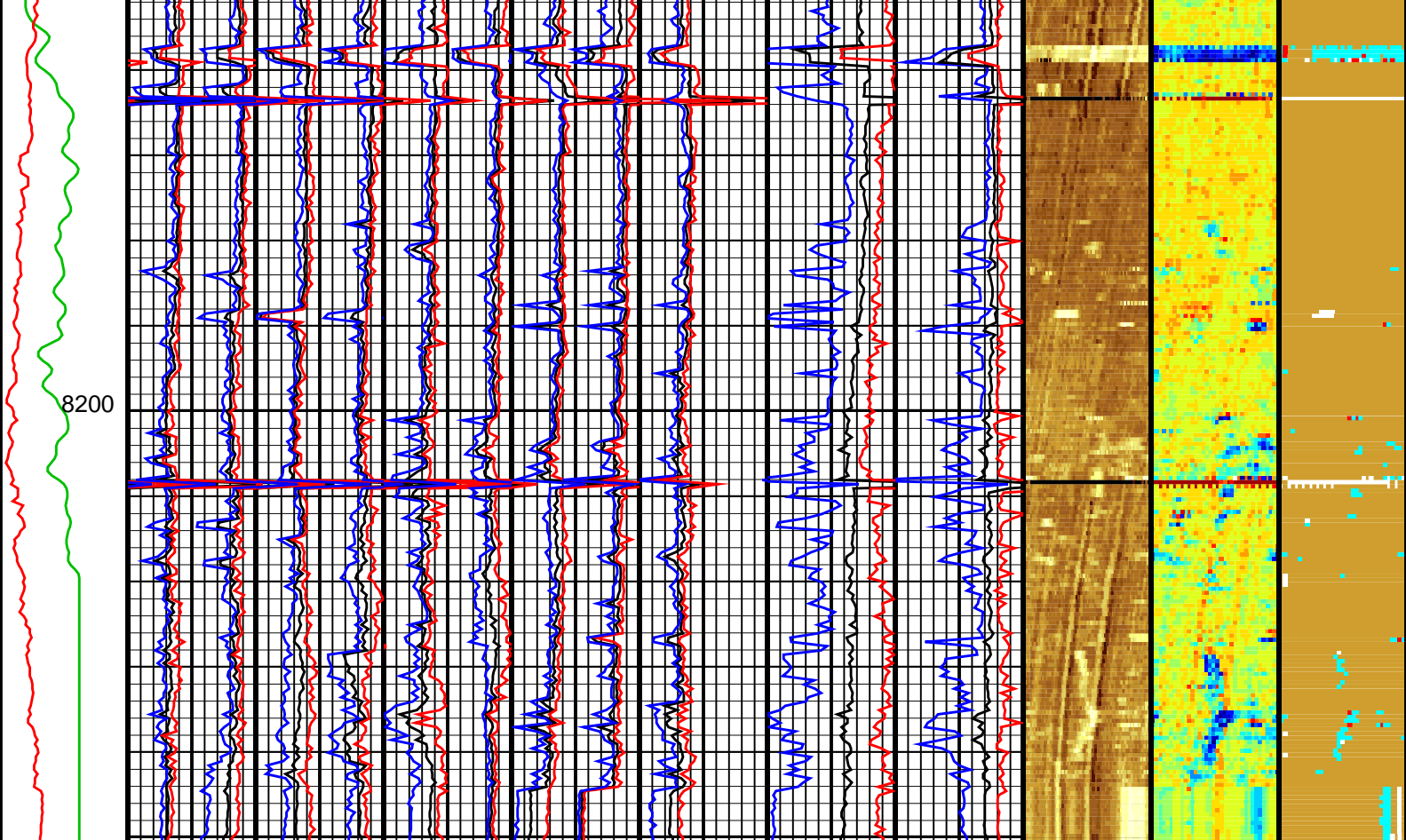












<div>Eccent. (ECCE)</div> <div>0 (IN) 0.5</div>	Average Acoustic Impedance #1 (AV_ AI1) (MRAY)	Average Acoustic Impedance #3 (AV_ AI3) (MRAY)	Average Acoustic Impedance #5 (AV_ AI5) (MRAY)	Average Acoustic Impedance #7 (AV_ AI7) (MRAY)	Average Acoustic Impedance #9 (AV_ AI9) (MRAY)	Average of AI (AIAV) (MRAY)	Minimum Flexural Attenuation (U-USIT_ UFAN) (DB/M)	<div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div><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(MAY)	(MAY)	(MAY)	(MAY)
-7.5	7.5	-7.5	7.5
Minimum Acoustic Impedance #1 (MIN_ A1) (MAY)	Minimum Acoustic Impedance #3 (MIN_ A3) (MAY)	Minimum Acoustic Impedance #5 (MIN_ A5) (MAY)	Minimum Acoustic Impedance #7 (MIN_ A7) (MAY)
0	15	0	15
Minimum Acoustic Impedance #2 (MIN_ A2) (MAY)	Minimum Acoustic Impedance #4 (MIN_ A4) (MAY)	Minimum Acoustic Impedance #6 (MIN_ A6) (MAY)	Minimum Acoustic Impedance #8 (MIN_ A8) (MAY)
-7.5	7.5	-7.5	7.5

Format: M_Goodwin

Vertical Scale: 5" per 100'

Graphics File Created: 19-Aug-2010 16:32

OP System Version: 18C0-147

USIT-D

18C0-147

HILTH-FTB

18C0-147

DTC-H

18C0-147

All USI Images are outside views

USI : LOW Frequency Compression Mode Used For Logging.

Recommended casing thickness range for optimum cement impedance measurement : 0.27 to 0.6 IN.

Input DLIS Files

USI_TLD_MCFL_CNL_003PUP

FN:2

19-Aug-2010 15:14

8250.5 FT

3495.5 FT

Output DLIS Files

DEFAULT

USI_TLD_MCFL_CNL_006PUP

FN:4

PRODUCER

19-Aug-2010 16:32

Schlumberger

GOODWIN 0.1 INCH

MAXIS Field Log

Company: ExxonMobil Production Corp.

Well: PCU 197-34A7

Input DLIS Files

USI_TLD_MCFL_CNL_003PUP

FN:2

19-Aug-2010 15:14

8250.5 FT

3495.5 FT

Output DLIS Files

DEFAULT

USI_TLD_MCFL_CNL_006PUP

FN:4

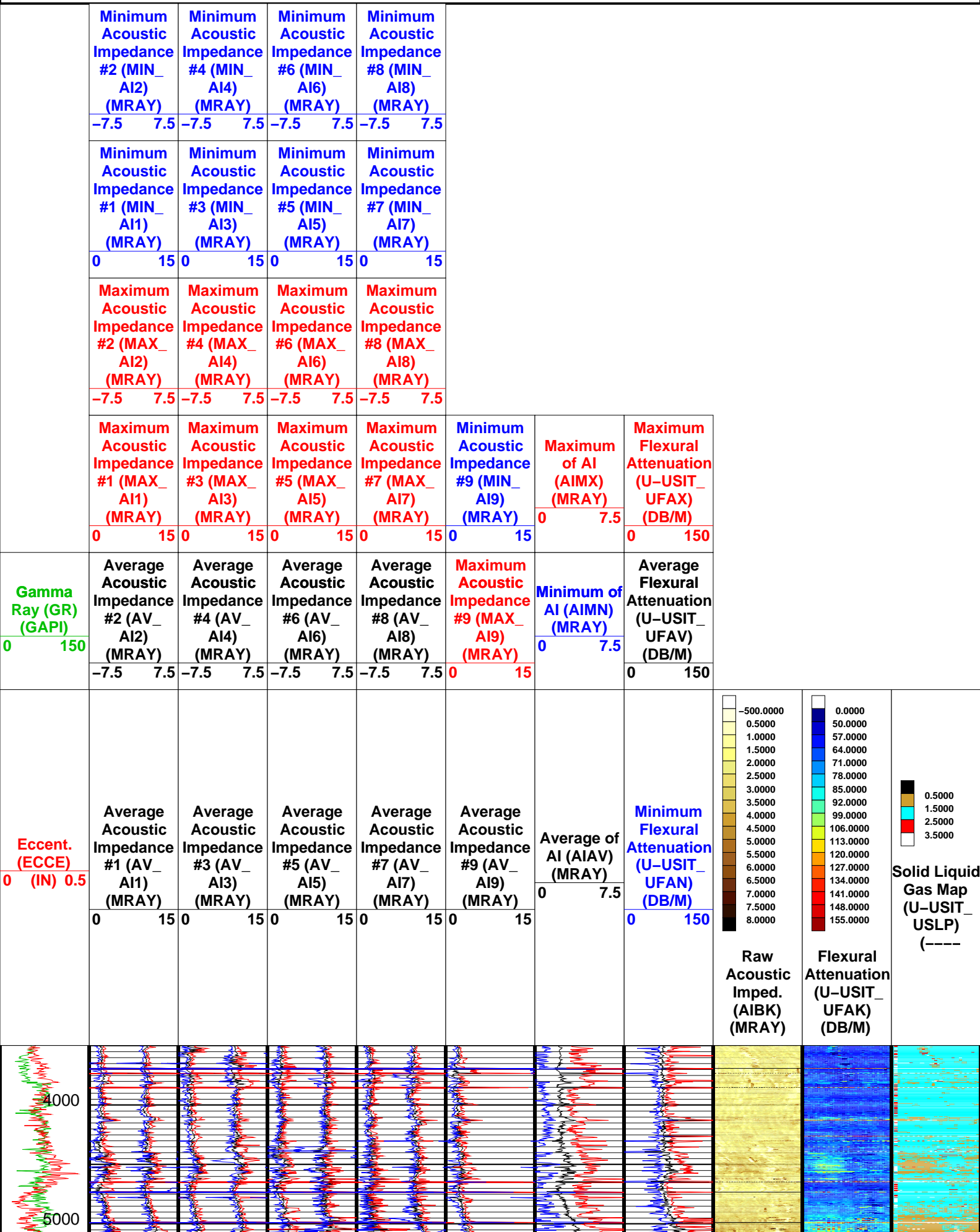
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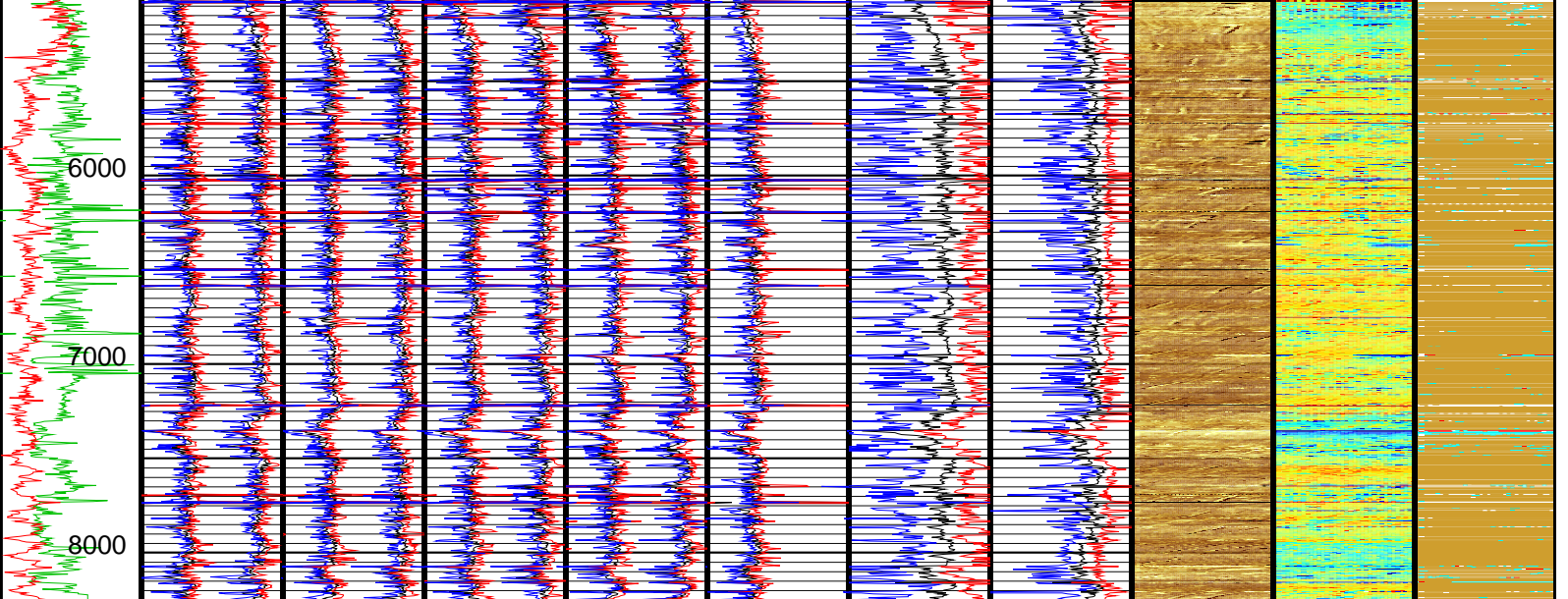
19-Aug-2010 16:32

8250.5 FT

3495.5 FT

OP System Version: 18C0-147





<div><div>Eccent. (ECCE)</div><div>0 (IN) 0.5</div></div>	Average Acoustic Impedance #1 (AV_ AI1) (MRAY)	Average Acoustic Impedance #3 (AV_ AI3) (MRAY)	Average Acoustic Impedance #5 (AV_ AI5) (MRAY)	Average Acoustic Impedance #7 (AV_ AI7) (MRAY)	Average Acoustic Impedance #9 (AV_ AI9) (MRAY)	Average of AI (AIAV) (MRAY)	Minimum Flexural Attenuation (U-USIT_ UFAN) (DB/M)	<div><div><div>-500.0000 0.5000 1.0000 1.5000 2.0000 2.5000 3.0000 3.5000 4.0000 4.5000 5.0000 5.5000 6.0000 6.5000 7.0000 7.5000 8.0000</div><div>Raw Acoustic Imped. (AIBK) (MRAY)</div></div></div> <div><div><div>0.0000 50.0000 57.0000 64.0000 71.0000 78.0000 85.0000 92.0000 99.0000 106.0000 113.0000 120.0000 127.0000 134.0000 141.0000 148.0000 155.0000</div><div>Flexural Attenuation (U-USIT_ UFAK) (DB/M)</div></div></div> <td data-kind="parent" data-rs="2"><div><div><div>0.5000 1.5000 2.5000 3.5000</div><div>Solid Liquid Gas Map (U-USIT_ USLP) (----</div></div></div></td>	<div><div><div>0.5000 1.5000 2.5000 3.5000</div><div>Solid Liquid Gas Map (U-USIT_ USLP) (----</div></div></div>
	0 15	0 15	0 15	0 15	0 15	0 7.5	0 150		

<div><div>Gamma Ray (GR) (GAPI)</div><div>0 150</div></div>	Average Acoustic Impedance #2 (AV_ AI2) (MRAY)	Average Acoustic Impedance #4 (AV_ AI4) (MRAY)	Average Acoustic Impedance #6 (AV_ AI6) (MRAY)	Average Acoustic Impedance #8 (AV_ AI8) (MRAY)	Maximum Acoustic Impedance #9 (MAX_ AI9) (MRAY)	Minimum of AI (AIMN) (MRAY)	Average Flexural Attenuation (U-USIT_ UFAV) (DB/M)
	-7.5 7.5	-7.5 7.5	-7.5 7.5	-7.5 7.5	0 15	0 7.5	0 150

	Maximum Acoustic Impedance #1 (MAX_ AI1) (MRAY)	Maximum Acoustic Impedance #3 (MAX_ AI3) (MRAY)	Maximum Acoustic Impedance #5 (MAX_ AI5) (MRAY)	Maximum Acoustic Impedance #7 (MAX_ AI7) (MRAY)	Minimum Acoustic Impedance #9 (MIN_ AI9) (MRAY)	Maximum of AI (AIMX) (MRAY)	Maximum Flexural Attenuation (U-USIT_ UFAX) (DB/M)
	0 15	0 15	0 15	0 15	0 15	0 7.5	0 150
	Maximum Acoustic Impedance #2 (MAX_ AI2) (MRAY)	Maximum Acoustic Impedance #4 (MAX_ AI4) (MRAY)	Maximum Acoustic Impedance #6 (MAX_ AI6) (MRAY)	Maximum Acoustic Impedance #8 (MAX_ AI8) (MRAY)			
	-7.5 7.5	-7.5 7.5	-7.5 7.5	-7.5 7.5			
	Minimum Acoustic Impedance #1 (MIN_ AI1) (MRAY)	Minimum Acoustic Impedance #3 (MIN_ AI3) (MRAY)	Minimum Acoustic Impedance #5 (MIN_ AI5) (MRAY)	Minimum Acoustic Impedance #7 (MIN_ AI7) (MRAY)			
	0 15	0 15	0 15	0 15			
	Minimum	Minimum	Minimum	Minimum			

	Acoustic Impedance #2 (MIN_ AI2) (MRAY)	Acoustic Impedance #4 (MIN_ AI4) (MRAY)	Acoustic Impedance #6 (MIN_ AI6) (MRAY)	Acoustic Impedance #8 (MIN_ AI8) (MRAY)	
	-7.5 7.5	-7.5 7.5	-7.5 7.5	-7.5 7.5	
Format: M_Goodwin_Compressed Vertical Scale: 0.1" per 100' Graphics File Created: 19-Aug-2010 16:32					
OP System Version: 18C0-147					
USIT-D DTC-H	18C0-147 18C0-147		HILTH-FTB	18C0-147	
All USI Images are outside views					
USI : LOW Frequency Compression Mode Used For Logging. Recommended casing thickness range for optimum cement impedance measurement : 0.27 to 0.6 IN.					
<div>Input DLIS Files</div> <div> USI_TLD_MCFL_CNL_003PUP FN:2 19-Aug-2010 15:14 8250.5 FT 3495.5 FT </div> <div>Output DLIS Files</div> <div> DEFAULT USI_TLD_MCFL_CNL_006PUP FN:4 PRODUCER 19-Aug-2010 16:32 </div>					

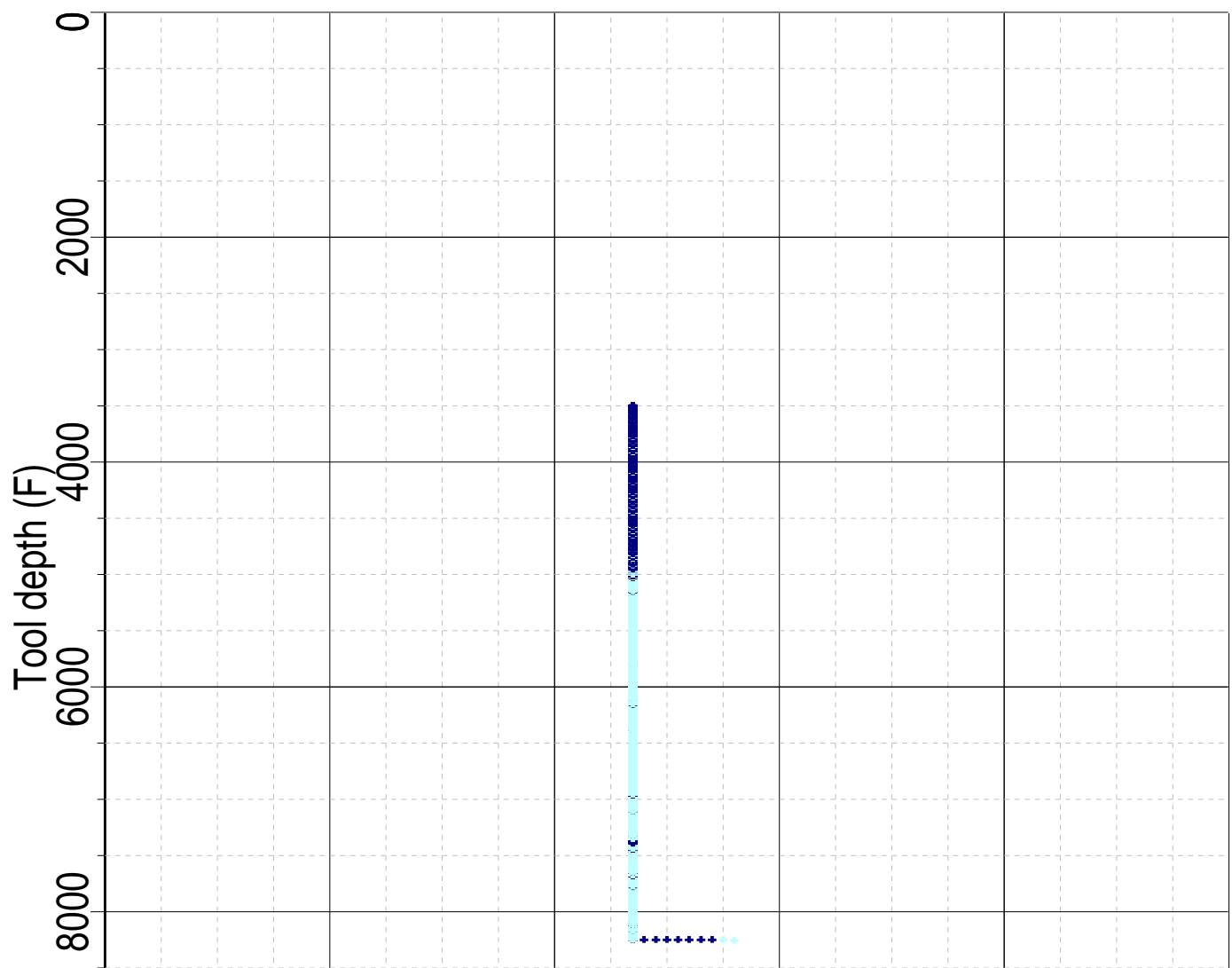
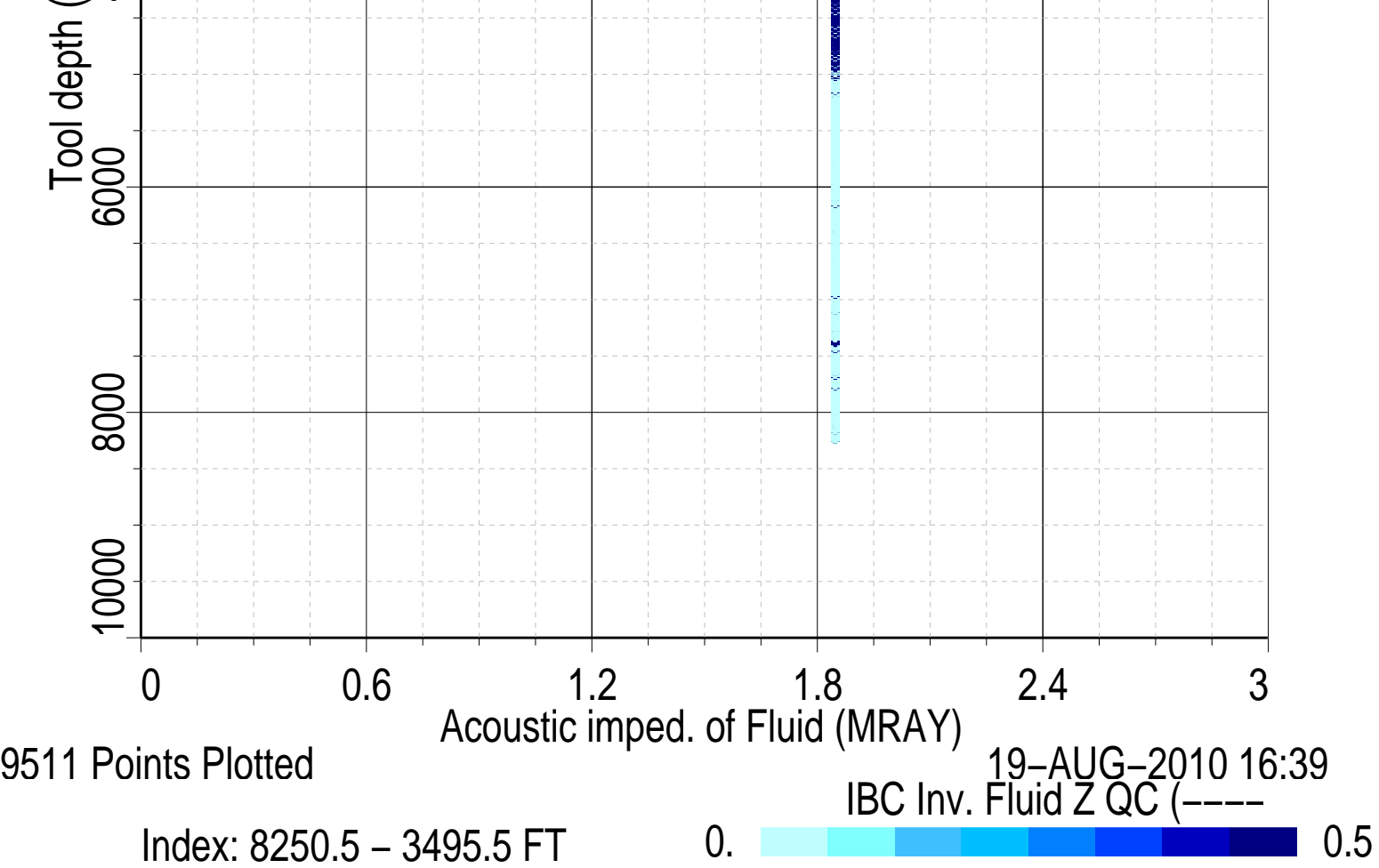


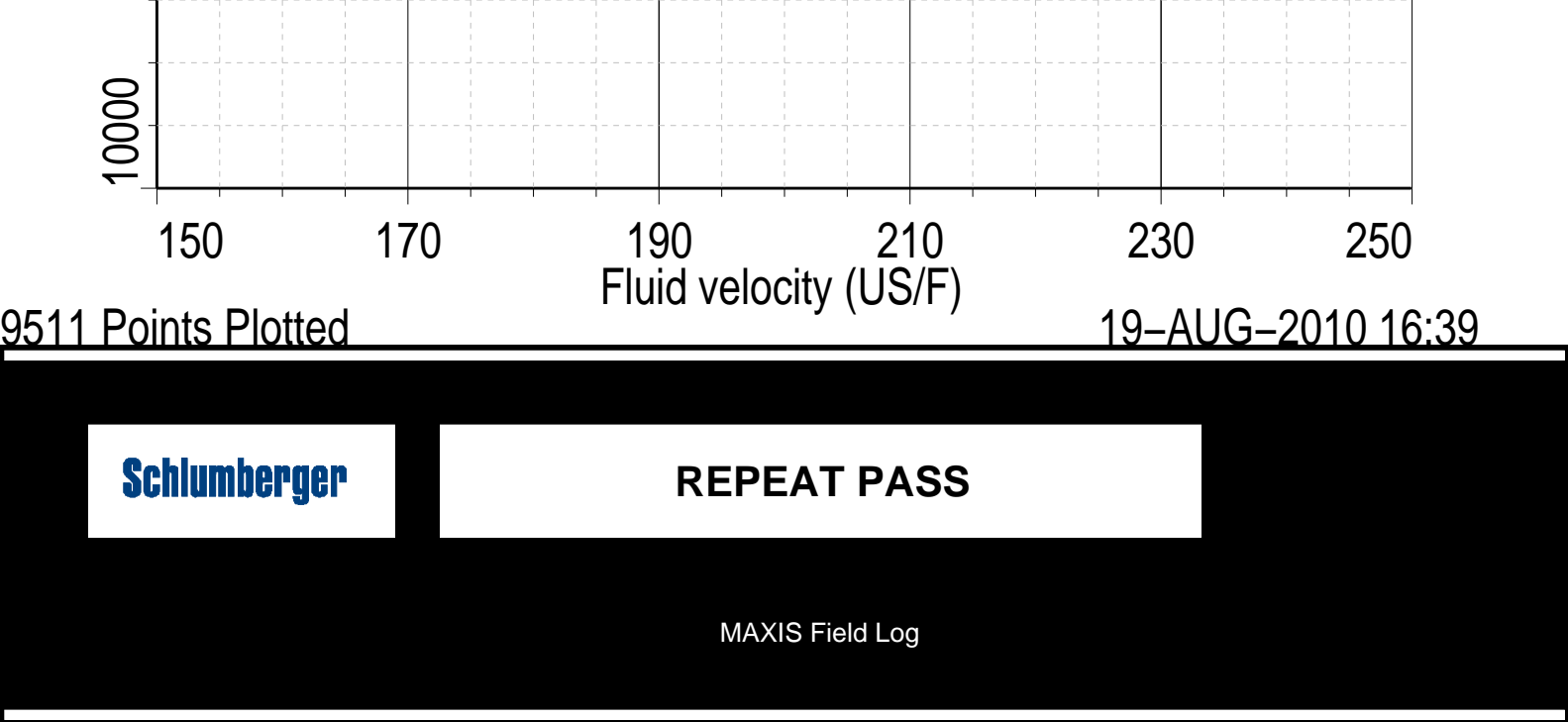
FLUID PROPERTIES

MAXIS Field Log

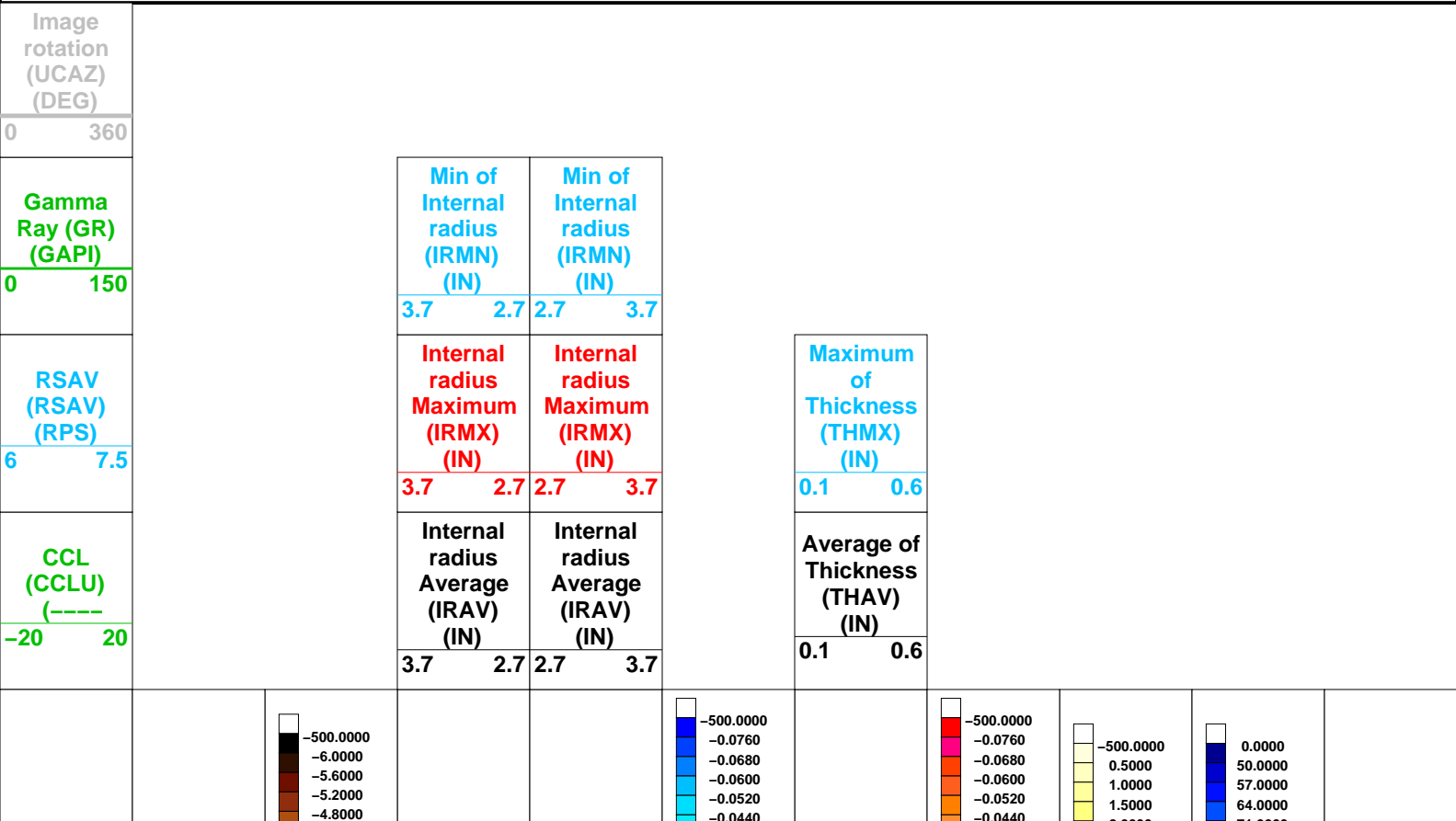
Index: 8250.5 – 3495.5 FT 0. IBC Inv. Fluid Z QC (----) 0.5

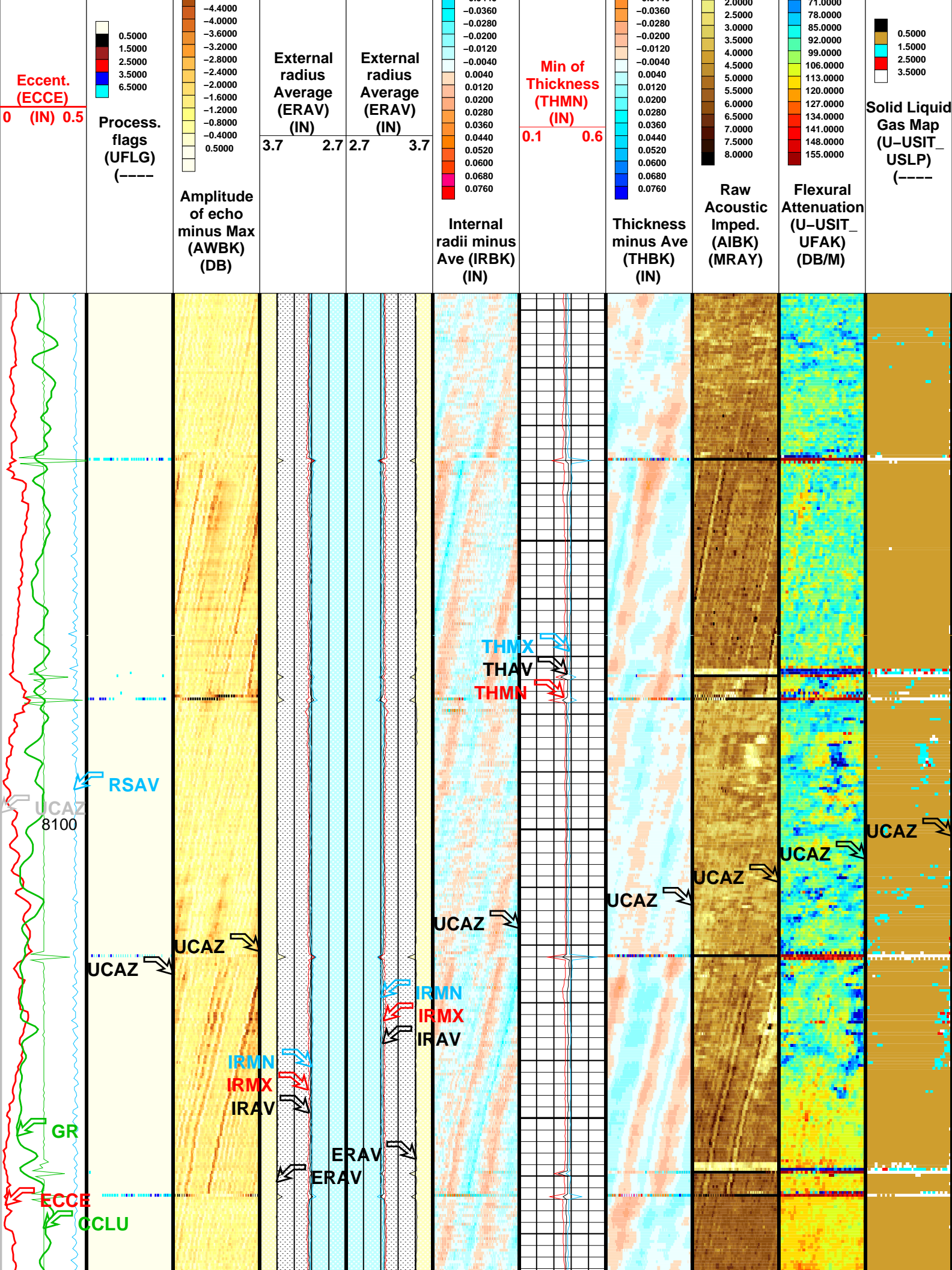


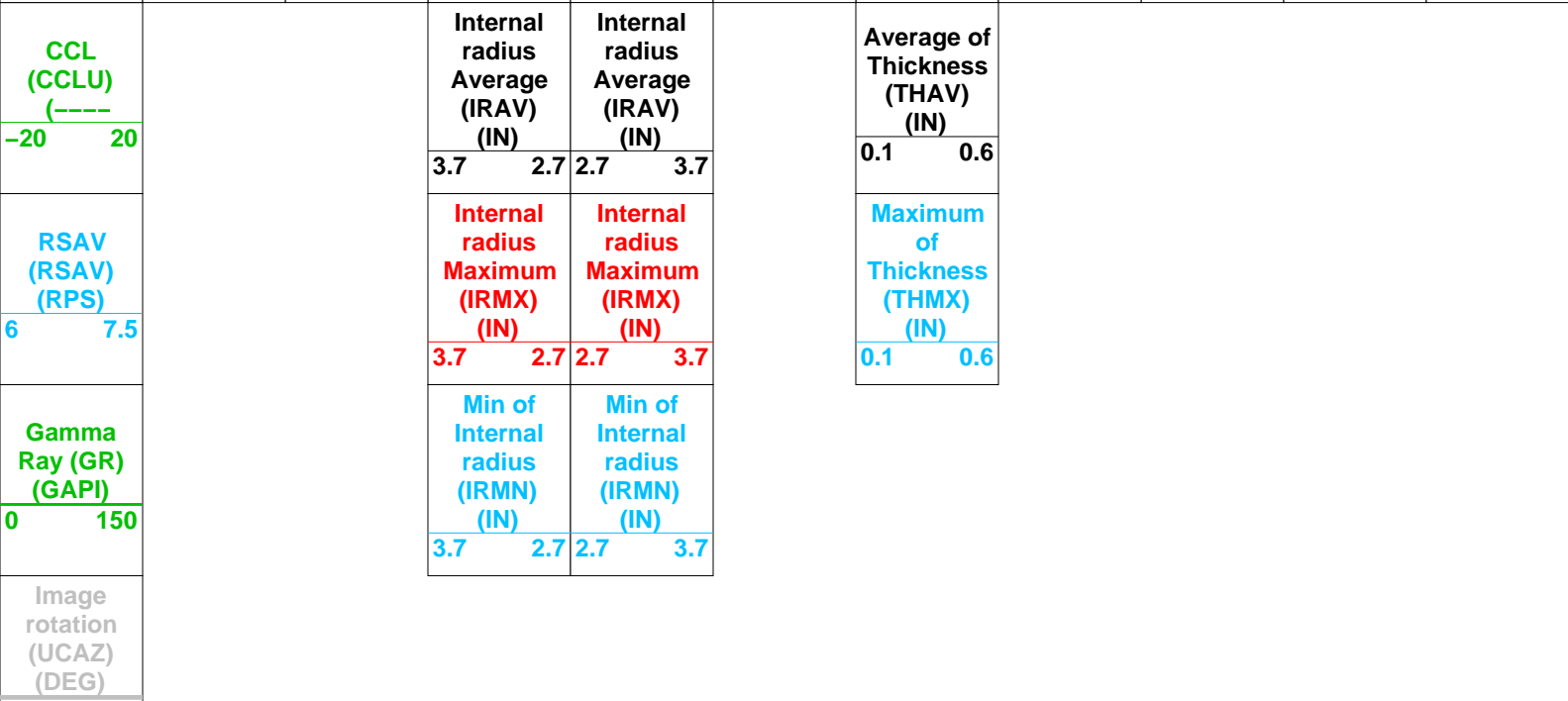
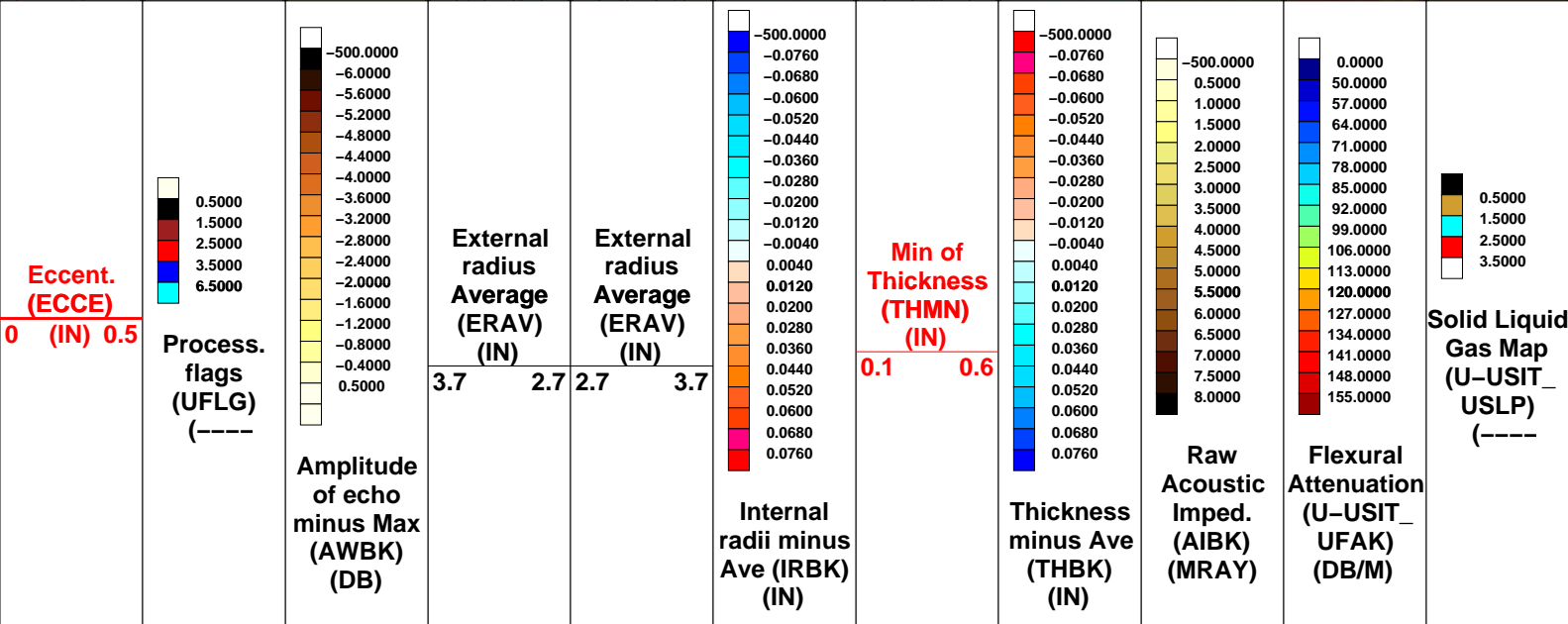
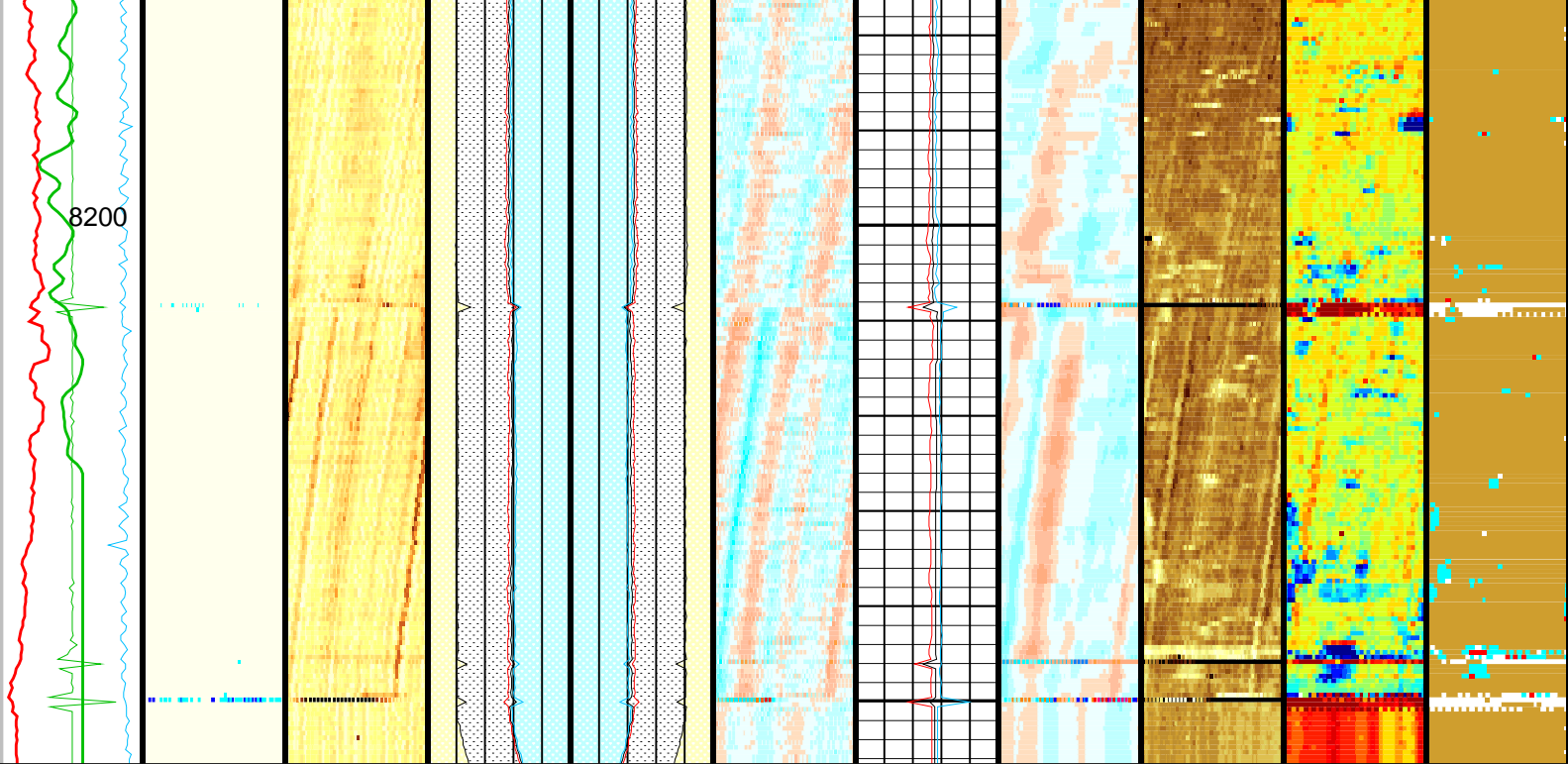




Company: ExxonMobil Production Corp.					Well: PCU 197-34A7				
Input DLIS Files									
USI_TLD_MCFL_CNL_002PUP		FN:1	19-Aug-2010 15:14		8256.5 FT	8007.0 FT			
Output DLIS Files									
DEFAULT	USI_TLD_MCFL_CNL_002PUP	FN:1	PRODUCER	19-Aug-2010 16:09	8256.5 FT	8007.0 FT			
OP System Version: 18C0-147									
USIT-D	18C0-147	HILTH-FTB		18C0-147					
DTC-H	18C0-147								







OP System Version: 18C0-147

USIT-D	18C0-147	HILTH-FTB	18C0-147
DTC-H	18C0-147		

All USI Images are outside views

USI : LOW Frequency Compression Mode Used For Logging.

Recommended casing thickness range for optimum cement impedance measurement : 0.27 to 0.6 IN.

Parameters

DLIS Name	Description	Value	
USIT-D: Ultrasonic Imaging – D			
AGMN	Minimum Gain of Cartridge	–4	DB
AGMX	Maximum Gain of Cartridge	20	DB
BERJ	Bad Echo Rejection	ON	
CDIA	Casing Outer Diameter	7	IN
CSDE	Casing Density	486.94	LBCF
CSID	Casing Inner Diameter	6.276	IN
DFVL	Default Fluid Velocity	206	US/F
DOT	Diameter of Transducer Sensor	2.874	IN
EMXV	EMEX Voltage	110	V
FSOD	Fluid Slowness Fits Casing Outer Diameter	5_UFSL_N_ZMUD	
IMAR	Image Rotation	OFF	
MW	Mud Weight	8.4	LB/G
RCOD	Reference Calibrator Outer Diameter	7	IN
RCSO	Reference Calibrator Standoff	1.1811	IN
RCTH	Reference Calibrator Thickness	0.2952	IN
TCUB	T^3 Processing Level	Vax_Loop	
THDH	Maximum Search Thickness (percentage of nominal)	130	
THDL	Minimum Search Thickness (percentage of nominal)	70	
THDP	Thickness Detection Policy	Fundamental	
THNO	Nominal Thickness of Casing	0.362	IN
U-USIT_CEMT	USIT Cement Type	LIGHT	
U-USIT_DFSZ	Drilling Fluid Specific Acoustic Impedance	0	MRAY
U-USIT_IISR	USIT IBC Inverted Fluid Slowness Resolution	1.0_US_P_FT	
U-USIT_IIZR	USIT IBC Inverted ZMUD Resolution	0.050_MRAY	
U-USIT_OCDI	USIT Outer Casing Diameter	0	IN
U-USIT_OCSH	USIT Outer Casing Shoe	0	FT
U-USIT_OCWE	USIT Outer Casing Weight	0	LB/F
U-USIT_TIEB	IBC Third Interface Echo Bin Processing	YES	
U-USIT_TIEC	IBC Third Interface Echo Cleaning	NONE	
U-USIT_TIEM	IBC Third Interface Echo Multi Tracking	NO	
U-USIT_TIEP	IBC Third Interface Echo Policy	BFEP	
U-USIT_TIER	IBC Third Interface Echo Receivers	BOTH	
U-USIT_U3WE	Third Interface Echo Window End	110	US
U-USIT_UBTP	USIT Bottom Transducer Position	UNKNOWN	
U-USIT_UFAO	USIT Flexural Attenuation Offset	–8	DB/M
U-USIT_UIAP	USIT IBC Answer Product Enabled	SolidLiquidGasMap	
U-USIT_UIST	Ultrasonic IBC Sonde Type	Sub_ibcs_B	
U-USIT_UTAN	USIT Transducer Angles	33_DEG	
UMAO	USIT Measurement Angular Offset	–10	DEG
USTO	Ultrasonic Time Offset	–2	US
USUB	Ultrasonic Subassembly Identifier	Sub_7_inch	
UWKM	Ultrasonic Working Mode	5DEG_6IN_136UNF_LF	
VCAS	Ultrasonic Transversal Velocity in Casing	51.4	US/F
WLEN	T^3 Processing Length	21.7078	US
ZCAS	Acoustic Impedance of Casing	46.25	MRAY
ZINI	Initial Estimate of Cement Impedance	–1	MRAY
ZMUD	Acoustic Impedance of Mud	1.85	MRAY
ZTCM	Acoustic Impedance Threshold for Cement	2.6	MRAY
ZTGS	Acoustic Impedance Threshold for Gas	0.3	MRAY
System and Miscellaneous			
BS	Bit Size	9.875	IN
CWEI	Casing Weight	26.00	LB/F
DO	Depth Offset for Playback	0.0	FT
PP	Playback Processing	NORMAL	

Input DLIS Files

USI_TLD_MCFL_CNL_002PUP

FN:1

19-Aug-2010 15:14 8256.5 FT

8007.0 FT

Output DLIS Files

DEFAULT

USI_TLD_MCFL_CNL_002PUP

FN:1

PRODUCER

19-Aug-2010 16:09

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CALIBRATIONS

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
High resolution Integrated Logging Tool-DTS Wellsite Calibration – Detector Calibration							
Before: 17-Aug-2010 11:34							
Gamma Ray Background	30.00	N/A	44.19	N/A	N/A	N/A	GAPI
Gamma Ray (Jig – Bkgd)	165.0	N/A	165.5	N/A	N/A	15.00	GAPI
High resolution Integrated Logging Tool-DTS Wellsite Calibration – Zero Measurement							
Master: 28-Jul-2010 14:05 Before: Calibration not done							
CNTC Background	32.64	32.64	N/A	N/A	N/A	4.896	CPS
CFTC Background	33.74	33.74	N/A	N/A	N/A	5.061	CPS
High resolution Integrated Logging Tool-DTS Wellsite Calibration – Ratio Measurement							
Master: 28-Jul-2010 14:05							
Thermal Near Corr. (Tank)	5800	5292	N/A	N/A	N/A	N/A	CPS
Thermal Far Corr. (Tank)	2400	2168	N/A	N/A	N/A	N/A	CPS
CNTC/CFTC (Tank)	2.159	2.441	N/A	N/A	N/A	N/A	
High resolution Integrated Logging Tool-DTS Wellsite Calibration – Accelerometer Calibration							
Before: Calibration not done							
Z-Axis Acceleration	32.19	N/A	32.19	N/A	N/A	N/A	F/S2

The HGNS Neutron Master Calibration was done with the following parameters :

NCT-B Water Temperature 66.7 DEGF.
Thermal Housing Size 3.371 IN.
NSR-F serial number 0



High resolution Integrated Logging Tool-DTS / Equipment Identification



Primary Equipment:



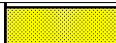
HILT Gamma-Ray Neutron Sonde-DTS	HGNS – H	2986
HGNS Gamma-Ray Device	HGR –	
HGNS Neutron Detector with Alpha Source	HCNT – H	
Z-Axis Accelerometer	HACC – H	
Neutron Logging Source	NLS – KL	
Neutron Source Radioactive	NSR – F	
Compensated Neutron Box	CNB – AB	
HTBC Communication Assembly DTS Mode	HMCA – H	


Auxiliary Equipment:

Neutron Calibration Tank	NCT – B	
Gamma Source Radioactive	GSR – U/Y	
HGNS Housing	HGNH –	

High resolution Integrated Logging Tool–DTS Wellsite Calibration					
Detector Calibration					
Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig – Bkgd) GAPI	Value
Before		44.19	Before		165.5
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			157.1 (Minimum) 165.0 (Nominal) 206.3 (Maximum)	
Before: 17–Aug–2010 11:34					

High resolution Integrated Logging Tool–DTS Wellsite Calibration					
Zero Measurement					
Phase	CNTC Background CPS	Value	Phase	CFTC Background CPS	Value
Master		32.64	Master		33.74
Before	NOT DONE	N/A	Before	NOT DONE	N/A
	5.000 (Minimum) 32.64 (Nominal) 40.00 (Maximum)			5.000 (Minimum) 33.74 (Nominal) 40.00 (Maximum)	
Master: 28–Jul–2010 14:05			Before: Calibration not done		

High resolution Integrated Logging Tool–DTS Wellsite Calibration									
Ratio Measurement									
Phase	Thermal Near Corr. (Tank) CPS	Value	Phase	Thermal Far Corr. (Tank) CPS	Value	Phase	CNTC/CFTC (Tank)	Value	
Master		5292	Master		2168	Master		2.441	
	4700 (Minimum) 5800 (Nominal) 6900 (Maximum)			1900 (Minimum) 2400 (Nominal) 2900 (Maximum)			2.120 (Minimum) 2.159 (Nominal) 2.540 (Maximum)		
Master: 28–Jul–2010 14:05									

High resolution Integrated Logging Tool–DTS Wellsite Calibration		
Accelerometer Calibration		
Phase	Z–Axis Acceleration F/S2	Value
Before		32.19
	31.53 (Minimum) 32.19 (Nominal) 32.84 (Maximum)	
Before: Calibration not done		

DTS Telemetry Tool / Equipment Identification	
Company:	ExxonMobil Production Corp.
Well:	PCU 197–34A7
Field:	Piceance Creek
County:	Rio Blanco
State:	Colorado
IMAGING BEHIND CASING ULTRASONIC TOOL CCL – GAMMA RAY	

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