

Company: Ultra Resources Inc

Well: Ponderosa 41-17 1V

Field: Wildcat

County: El Paso

State: Colorado

Isolation Scanner

Cement Evaluation

County: El Paso

Field: Wildcat

Location: NENE Sec. 17, T14S, R64W

Well: Ponderosa 41-17 1V

Company: Ultra Resources Inc

LOCATION

NENE Sec. 17, T14S, R64W

SHL: 600' FNL X 300' FEL

Lat/Long: 38.837039 N / 104.573131 W

Elev.: K.B. 6526.00 ft

G.L. 6505.00 ft

D.F. 6525.00 ft

Permament Datum: Ground Level

Log Measured From: Kelly Bushing

Drilling Measured From: Kelly Bushing

Elev.: 6505.00 ft

21.00 ft above Perm. Datum

API Serial No. 05-041-06067-000C

Section 17

Township 14S

Range 64W

Logging Date 1-May-2012

Run Number 2

Depth Driller 6935 ft

Schlumberger Depth 6935 ft

Bottom Log Interval 6750 ft

Top Log Interval 1200 ft

Casing Fluid Type Fresh Water

Salinity

Density 8.4 lbm/gal

Fluid Level 0 ft

BIT/CASING/TUBING STRING

Bit Size 7.875 in

From

To

Casing/Tubing Size 5.500 in

Weight 17 lbm/ft

Grade P110

From

To

Maximum Recorded Temperatures 160 degF

Logger On Bottom 1-May-2012

Unit Number 7006

Location Ft. Morgan, CO

Recorded By Tim Hoffman

Witnessed By

PVT DATA

Oil Density

Water Salinity

Gas Gravity

Bo

Bw

1/Bg

Bubble Point Pressure

Bubble Point Temperature

Solution GOR

Maximum Deviation

CEMENTING DATA

Primary/Squeeze

Casing String No

Lead Cement Type

Volume

Density

Water Loss

Additives

Tail Cement Type

Volume

Density

Water Loss

Additives

Expected Cement Top 2500 ft

Logging Date

Run Number

Depth Driller

Schlumberger Depth

Bottom Log Interval

Top Log Interval

Casing Fluid Type

Salinity

Density

Fluid Level

BIT/CASING/TUBING STRING

Bit Size

From

To

Casing/Tubing Size

Weight

Grade

From

To

Maximum Recorded Temperatures

Logger On Bottom

Unit Number

Location

Recorded By

Witnessed By

DEPTH SUMMARY LISTING

Date Created: 1-MAY-2012 12:19:39

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-B	Type:	CMTD-B/A	Type:	7-39P LXS
Serial Number:	5845	Serial Number:	2858	Serial Number:	6463
Calibration Date:	11-Jan-2012	Calibration Date:	16-Apr-2012	Length:	18000 FT
Calibrator Serial Number:	5845	Calibrator Serial Number:		Conveyance Method:	Wireline
Calibration Cable Type:	7-39P LXS	Number of Calibration Points:	10	Rig Type:	LAND
Wheel Correction 1:	-4	Calibration RMS:	12		
Wheel Correction 2:	-1	Calibration Peak Error:	21		

Depth Control Parameters

Log Sequence:	First Log In the Well
Rig Up Length At Surface:	0.00 FT
Rig Up Length At Bottom:	0.00 FT
Rig Up Length Correction:	0.00 FT
Stretch Correction:	-4.00 FT
Tool Zero Check At Surface:	0.00 FT

Depth Control Remarks

1. All Schlumberger depth policy procedures applied
2. This is the primary depth reference
- 3.
- 4.
- 5.
- 6.

DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES1 OS1: None OS2: OS3: OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
This is the second run in hole	
Tools run as per took sketch	
Cement design for well:	
180 SKs Trinidad Cement @ 13 ppg to 4700'	
Tuned Light B3 Cement @ 10 ppg to 2500'	
Pump 30 bbls Tuned Spacer III @ 9.7 ppg	

Repeat pass ran with no pressure (0 psi) on the well	
Main pass ran with 1000 psi on the well	
TD tagged at about 6775', logged up from 6750'	
Rig: Crane	
Crew: Josh Strand, Gary Lapp	


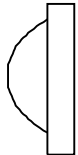
RUN 1			RUN 2		
SERVICE ORDER #:		BFN8-00171	SERVICE ORDER #:		
PROGRAM VERSION:		18C0-147	PROGRAM VERSION:		
FLUID LEVEL:		0 ft	FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

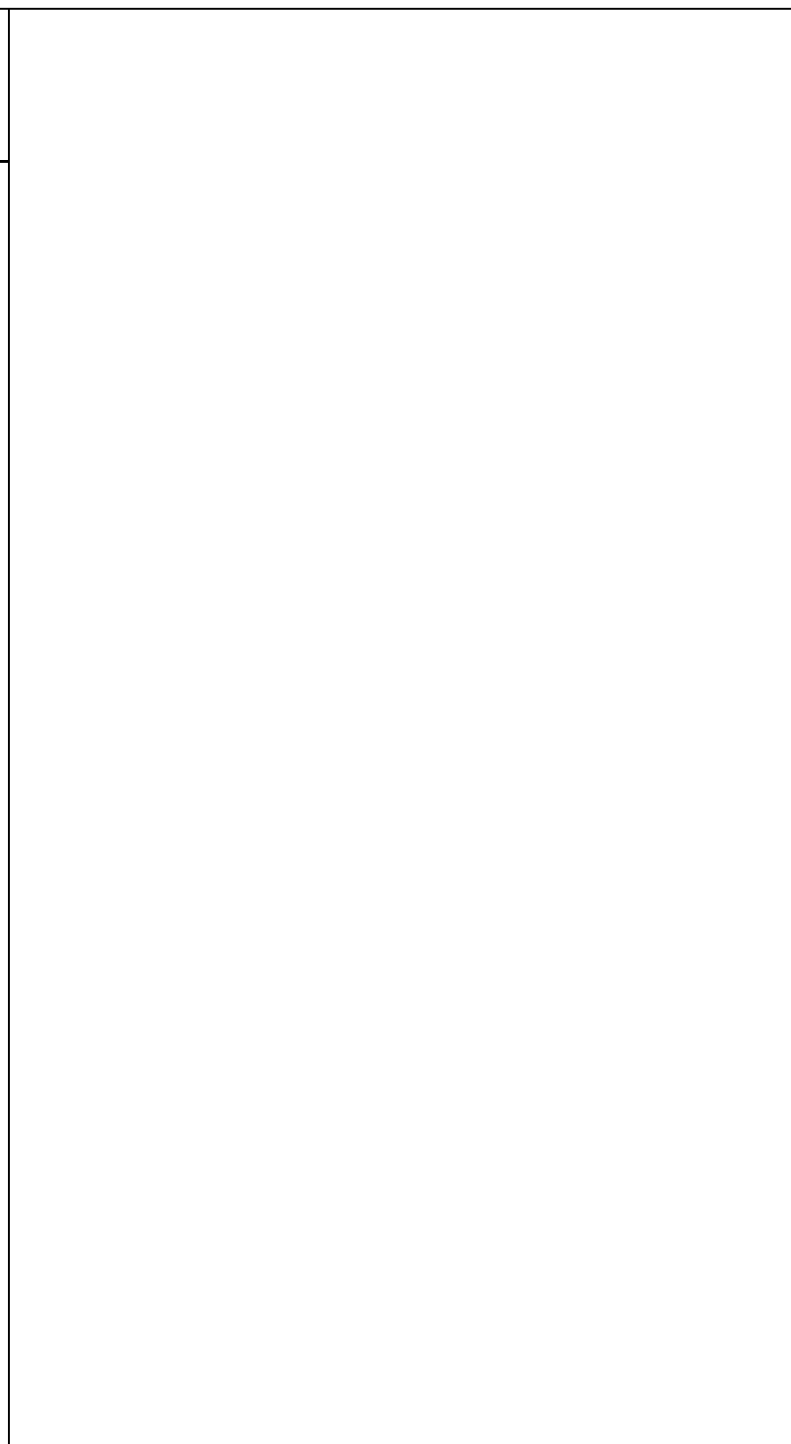
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RUN 1			RUN 2		

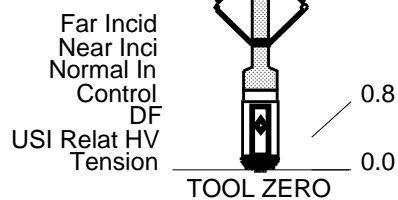
SURFACE EQUIPMENT

GSR-U/Y
WITM (DTS)-A

DOWNHOLE EQUIPMENT

LEH-QT LEH-QT		40.9
ILE-F ILE-F 73		38.0
DTC-H ECH-KC 9562 DTCH0-A DTCH1-A	CTEM TelStatus ToolStatu	34.2
SGT-N SGH-K 2615 SGC-TB SGD-TAB	Gamma Ray	31.2
AH-184 AH-184 909		25.7
USIT-D ECH-MRA 4949 USIC-D 947 AH-184 2829 USIS-A 1804 USSC-B 1804 IBCS_A-100158201 760 Top Transducer Middle Top Transducer Middle Bottom Transducer Bottom Transducer		23.7





MAXIMUM STRING DIAMETER 7.50 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

Production String	(in)		(ft)	Well Schematic				(ft)	(in)		Casing String	
	OD	ID	MD					MD	OD	ID		
								0.0	8.608		Casing String	
								1413.0	8.625		Casing Shoe	

[illegible]

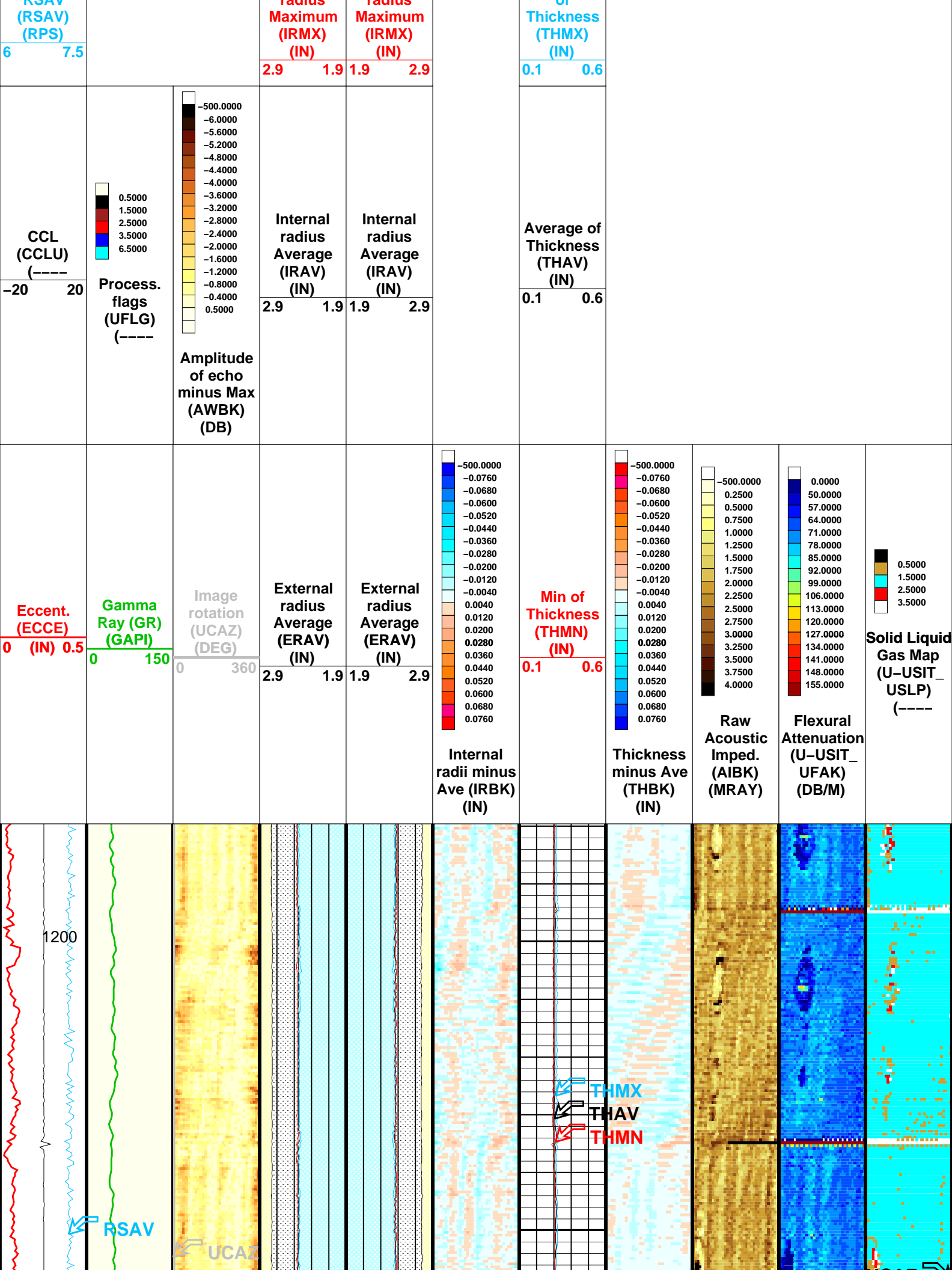
Company: Ultra Resources Inc	Well: Ponderosa 41-17 1V
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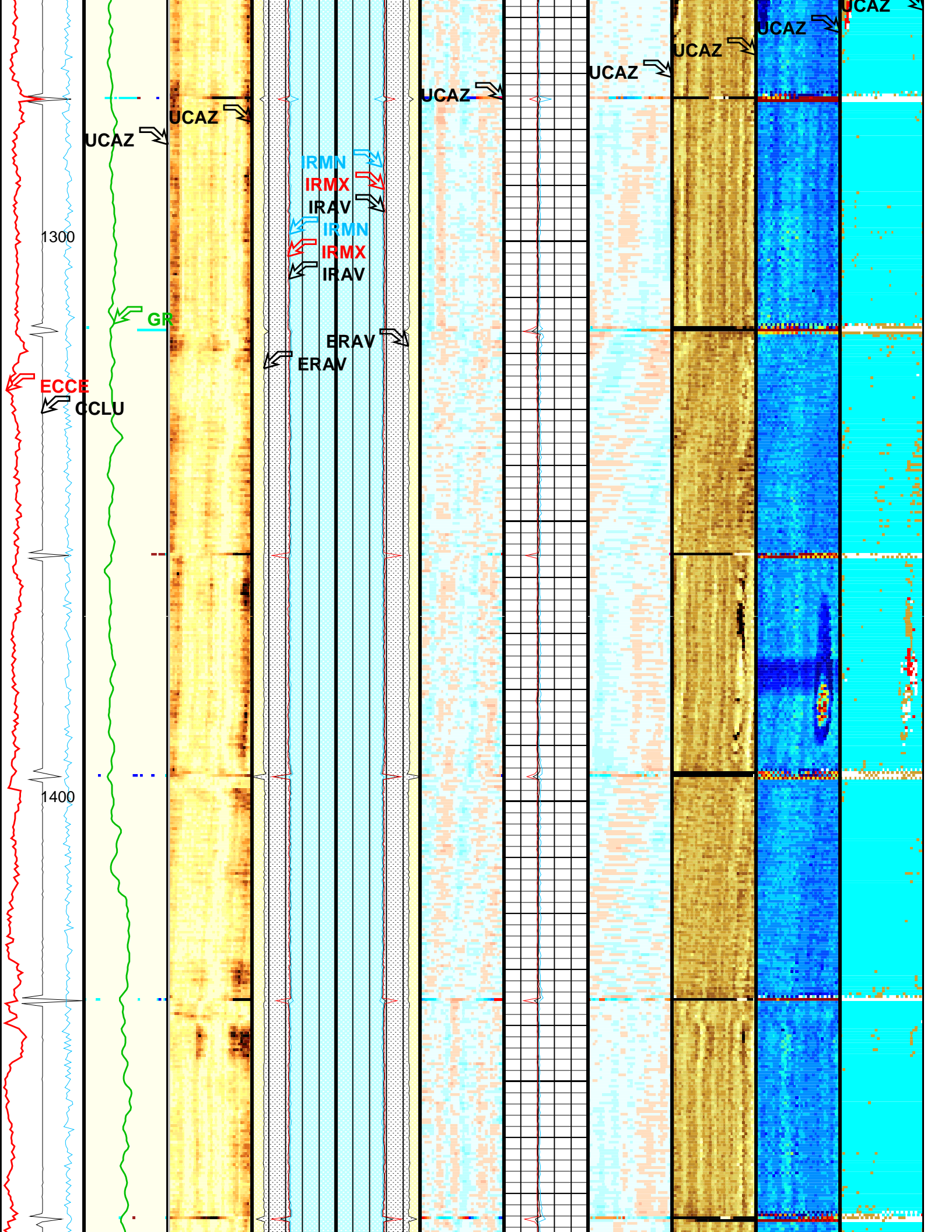
Input DLIS Files						
DEFAULT	SPLICE_USI_018L	FN:1	PRODUCER	01-May-2012 12:30	6752.0 FT	1183.5 FT
Output DLIS Files						
DEFAULT	USI_020PUP	FN:17	PRODUCER	01-May-2012 12:36	6748.0 FT	1179.5 FT

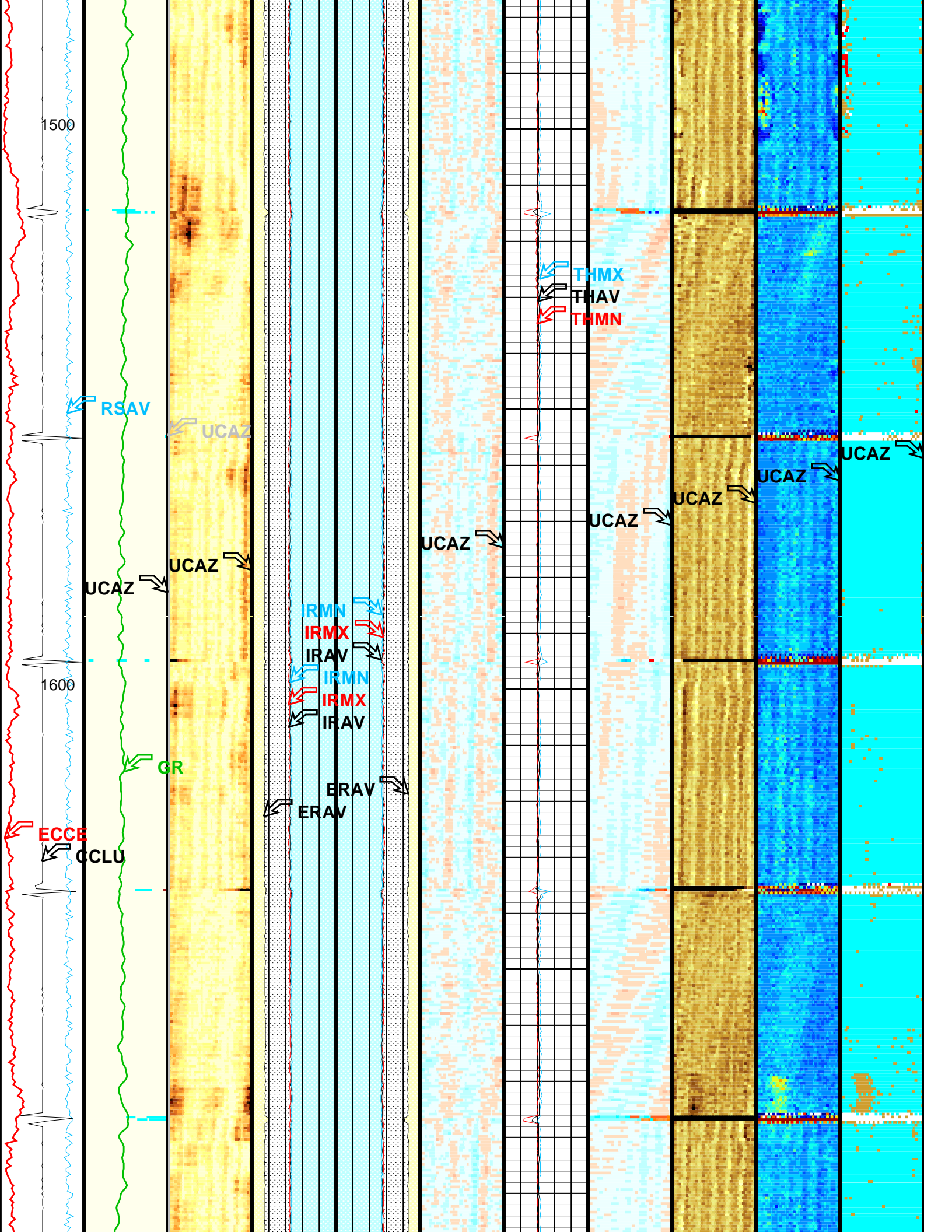
<p align="center">OP System Version: 18C0-147</p>			
<p>USIT-D</p> <p>DTC-H</p>	<p>SRPC-4072-Q4_2010_OP18_b</p> <p>18C0-147</p>	<p>SGT-N</p>	<p>18C0-147</p>

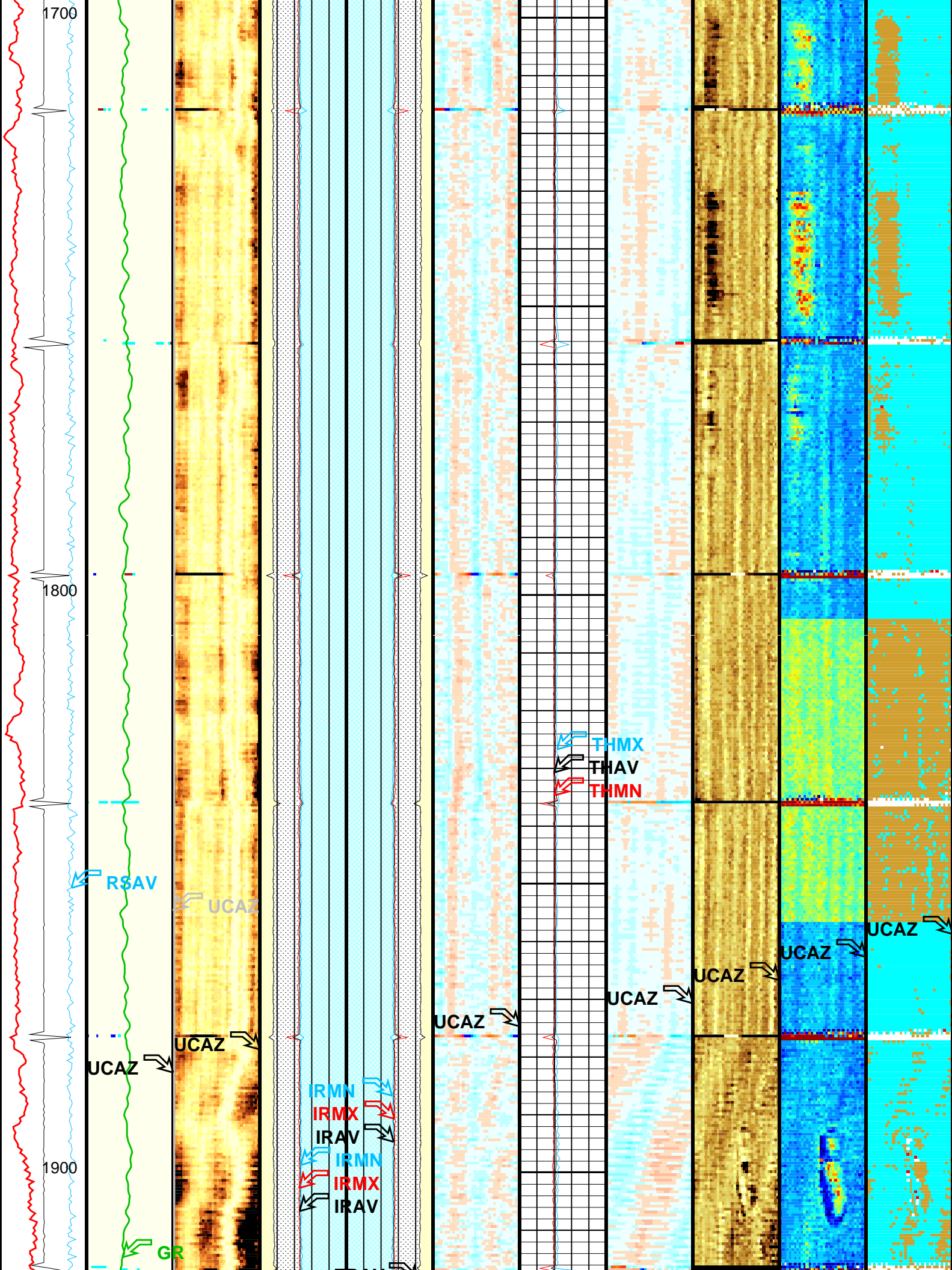
Changed Parameter Summary					
DLIS Name	New Value		Previous Value		Depth & Time
DFVL	193	US/F	193	US/F	6748.0 12:37:00
	198	US/F	193	US/F	4000.0 12:42:17
	203	US/F	198	US/F	2000.0 12:45:48

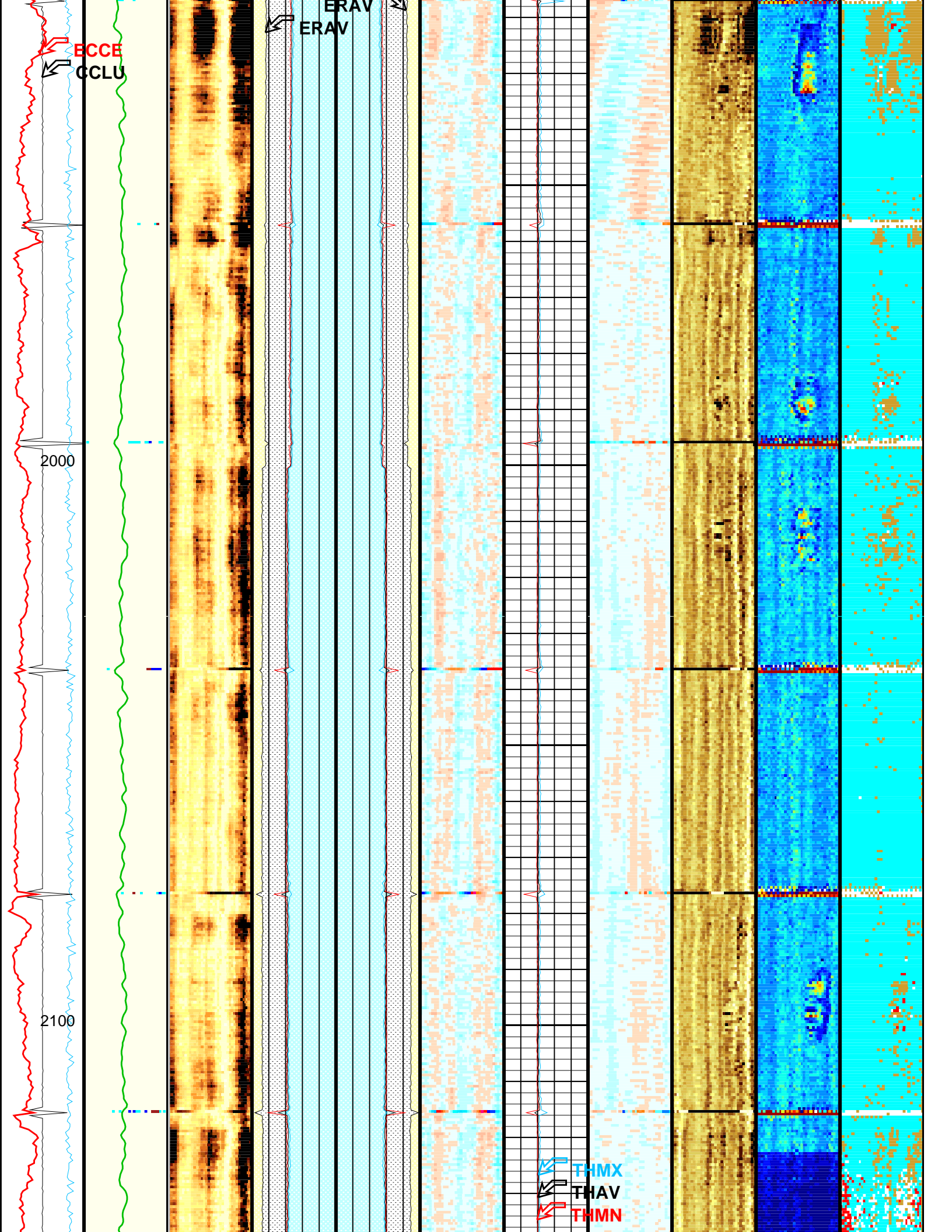
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		2.9	1.9	
PSAV		Internal radius	Internal radius	Maximum of

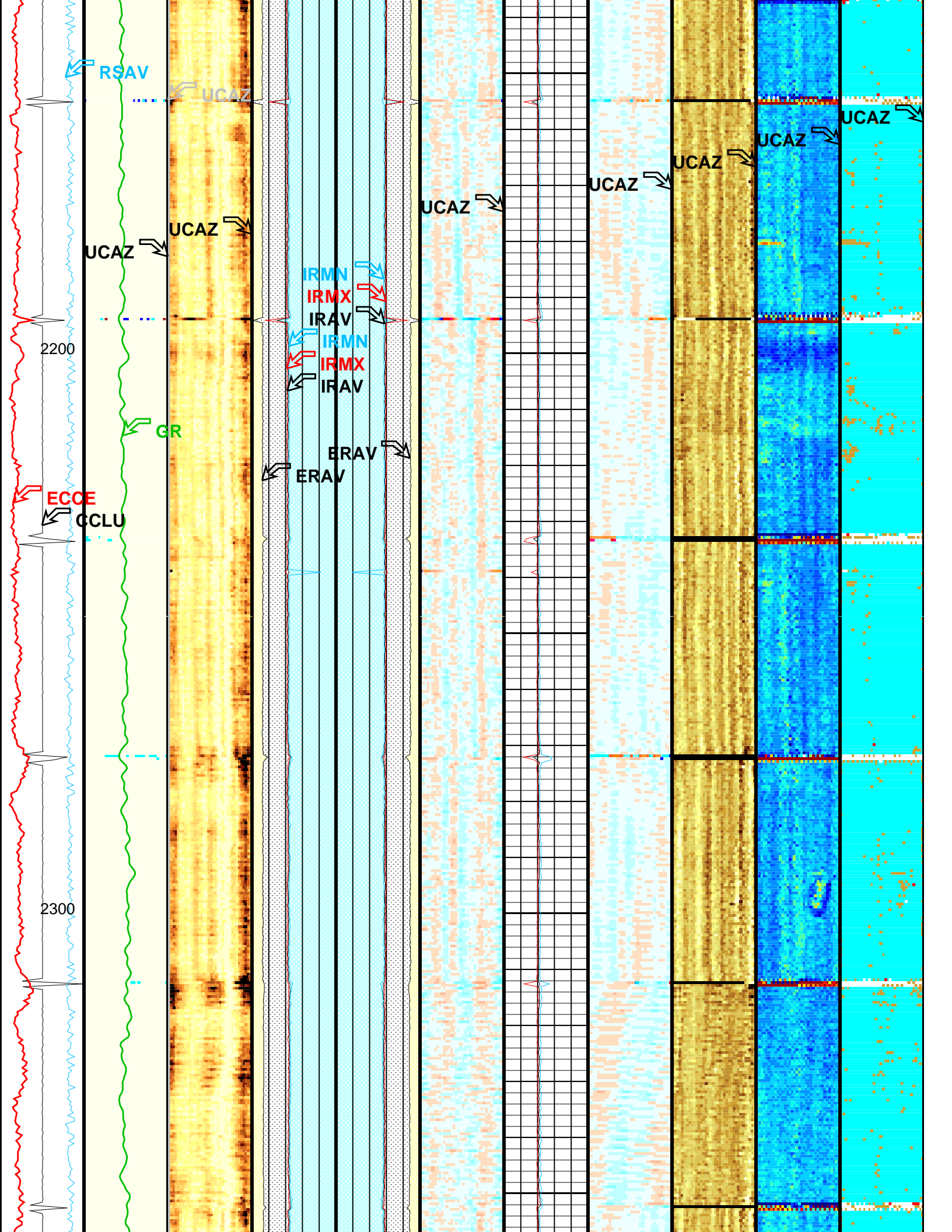


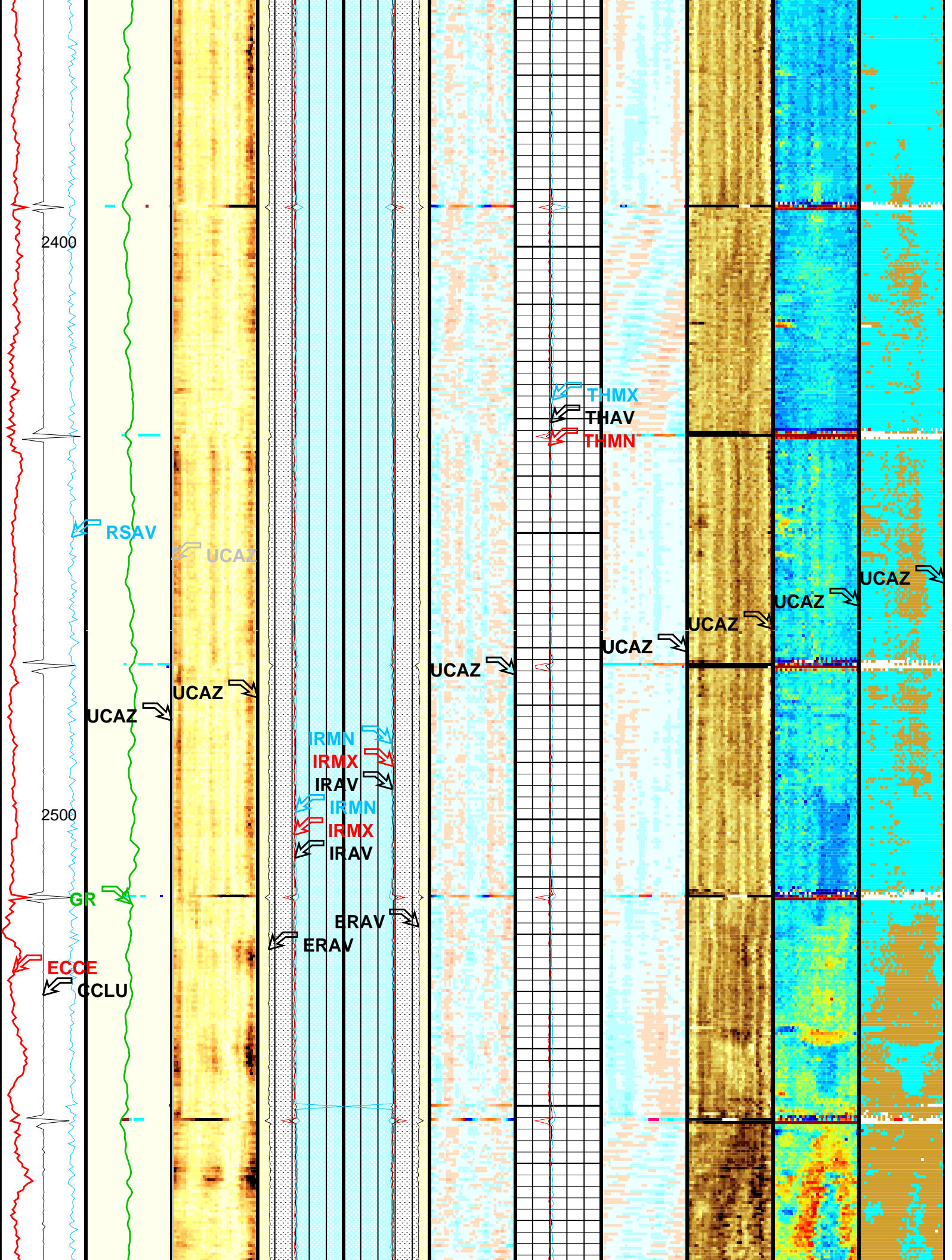


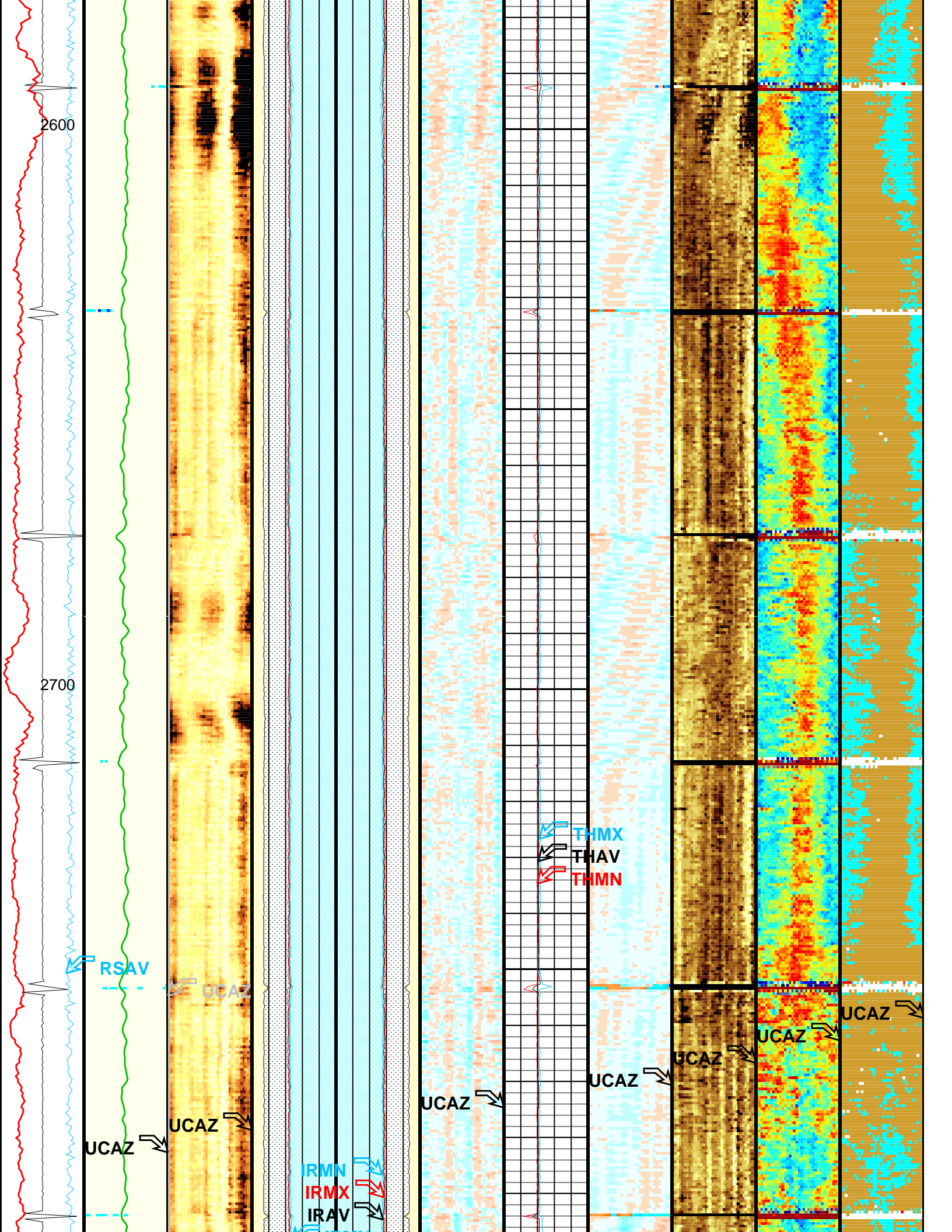


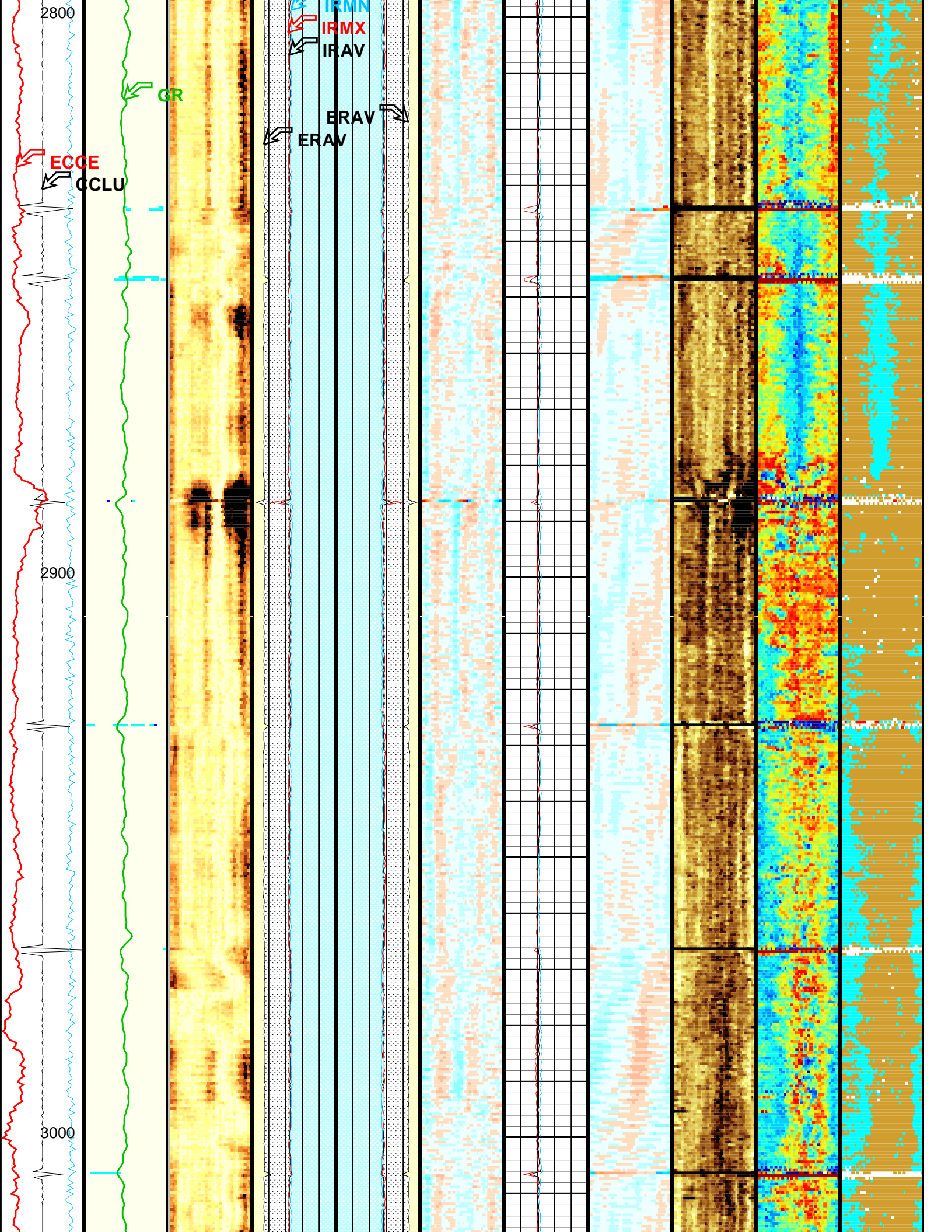


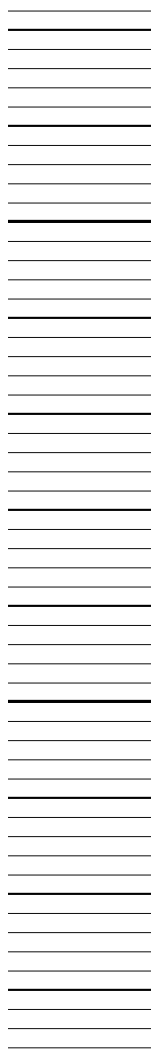
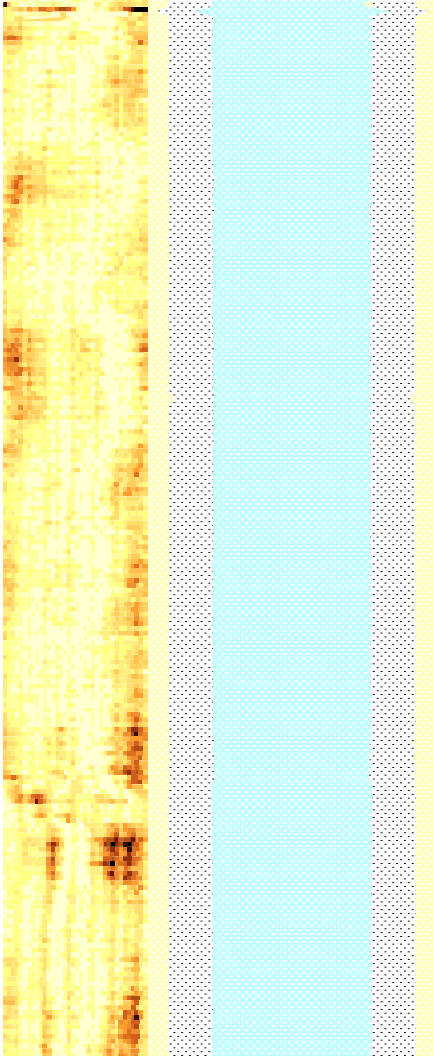


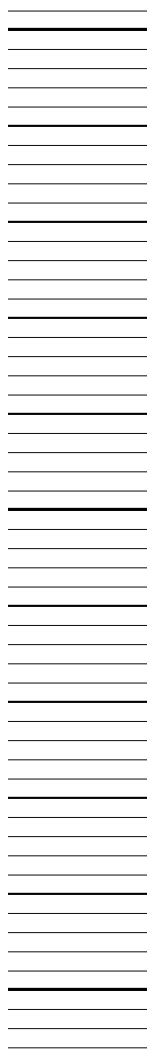
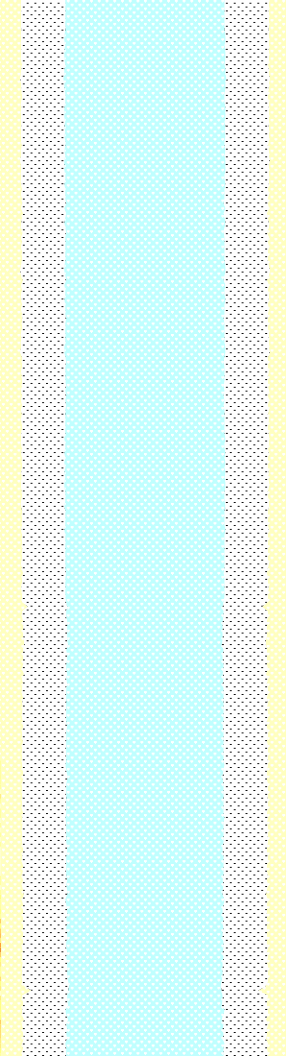
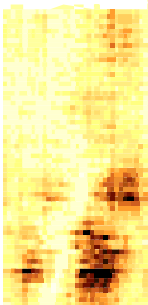


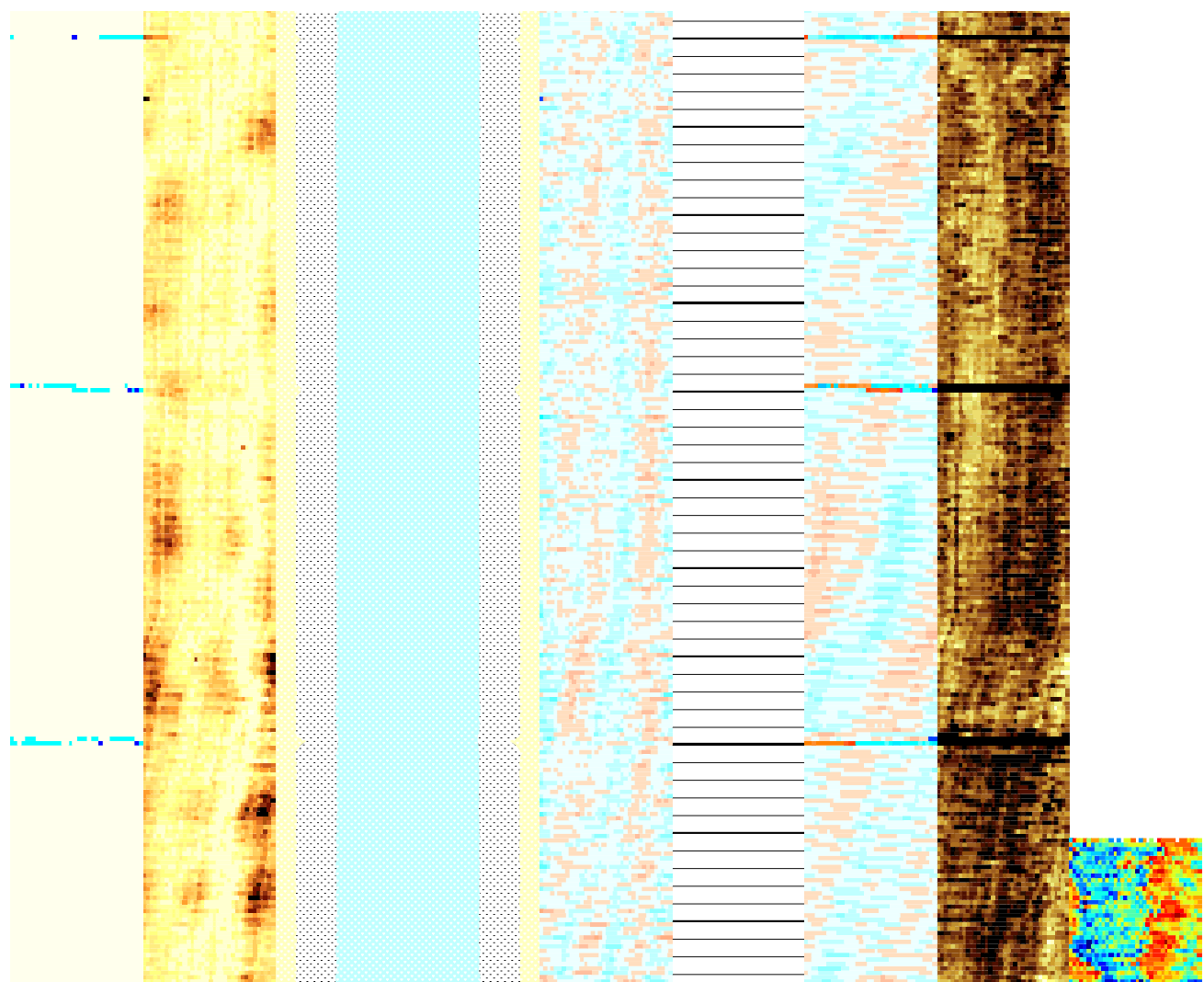


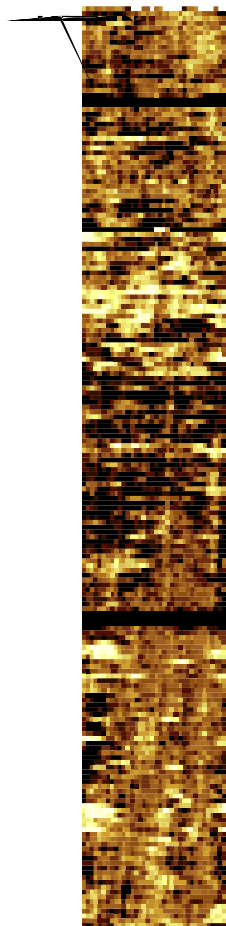
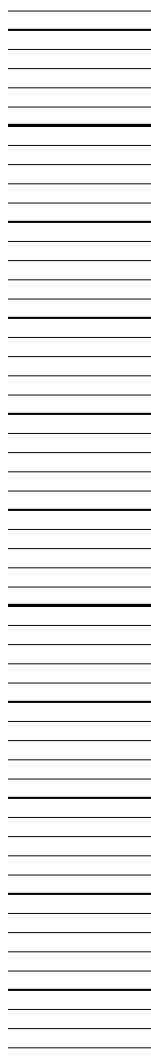
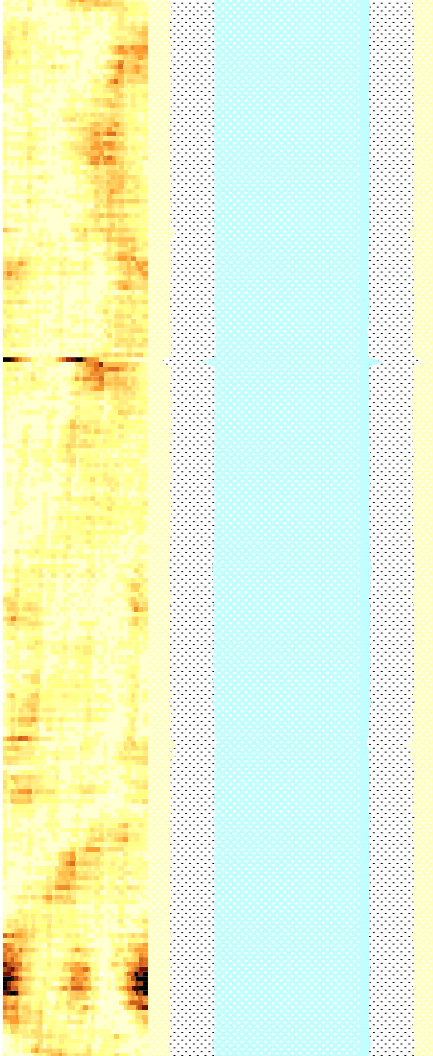


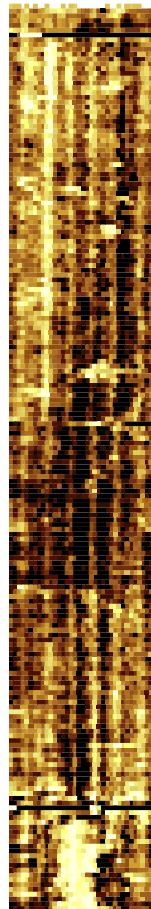
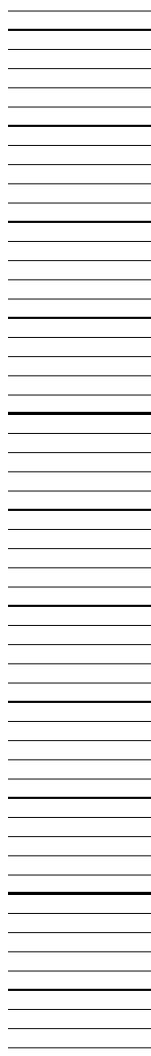
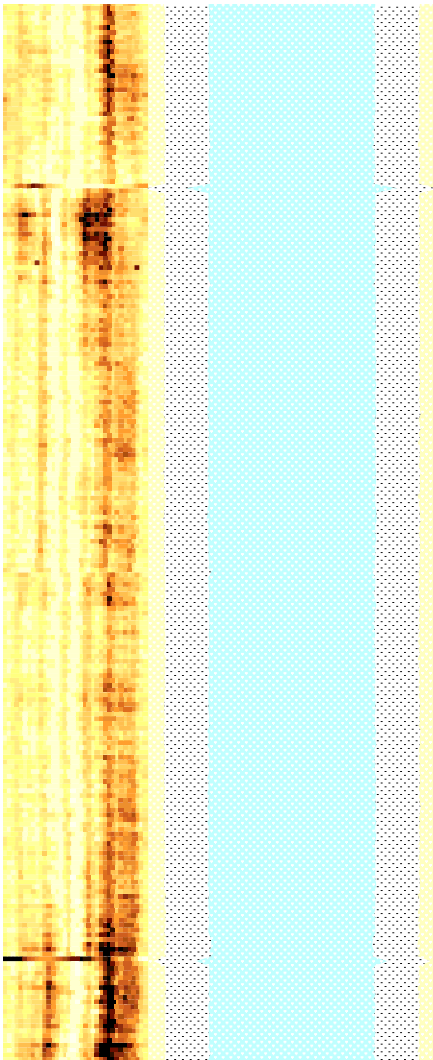


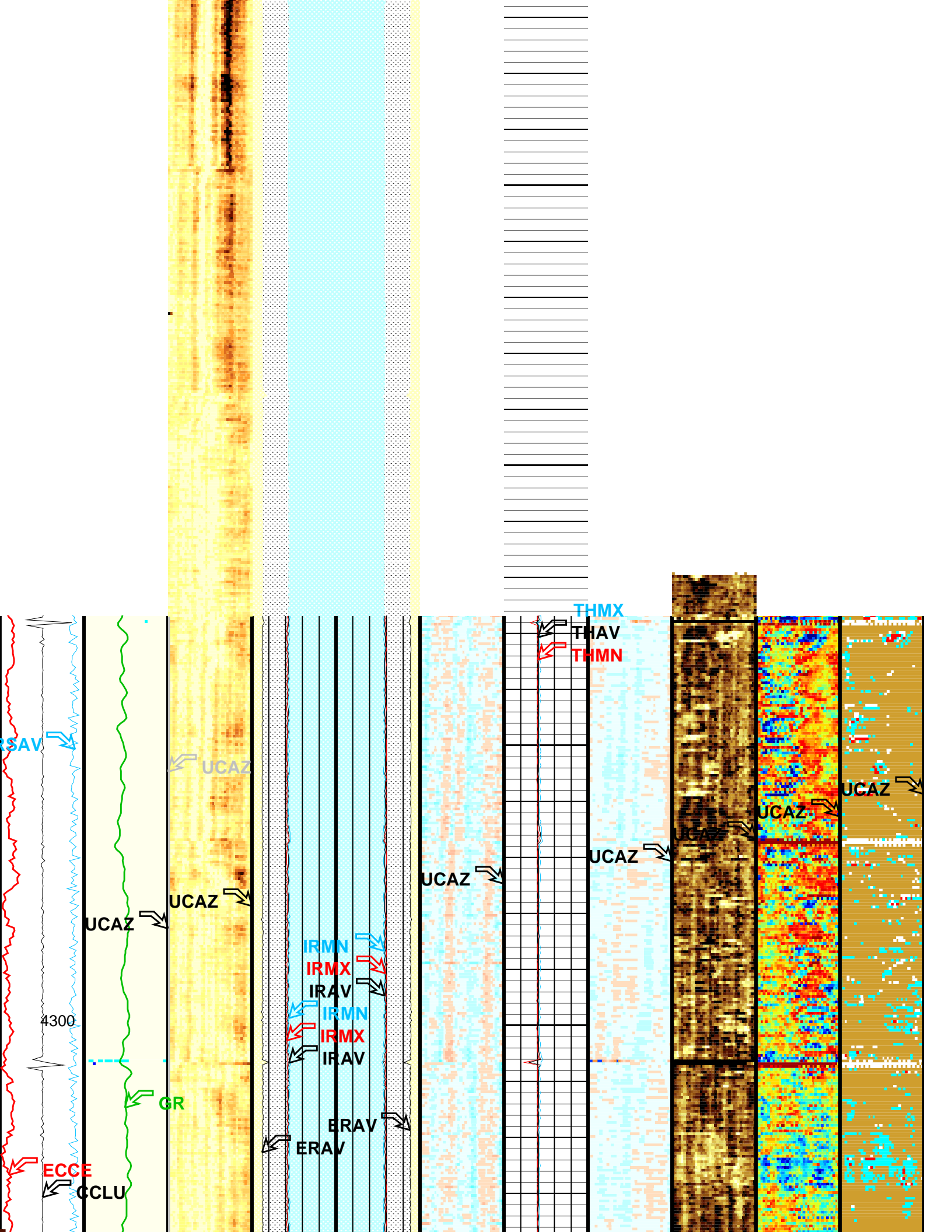




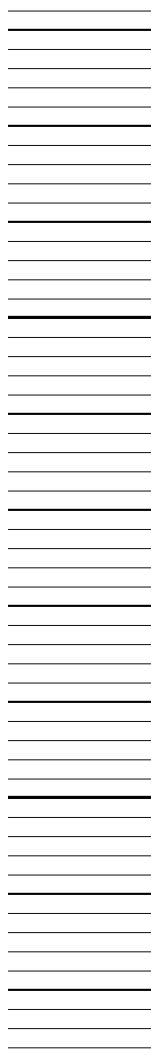
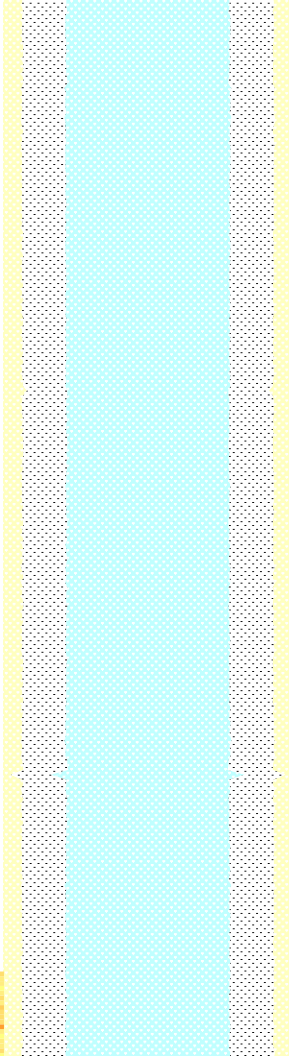


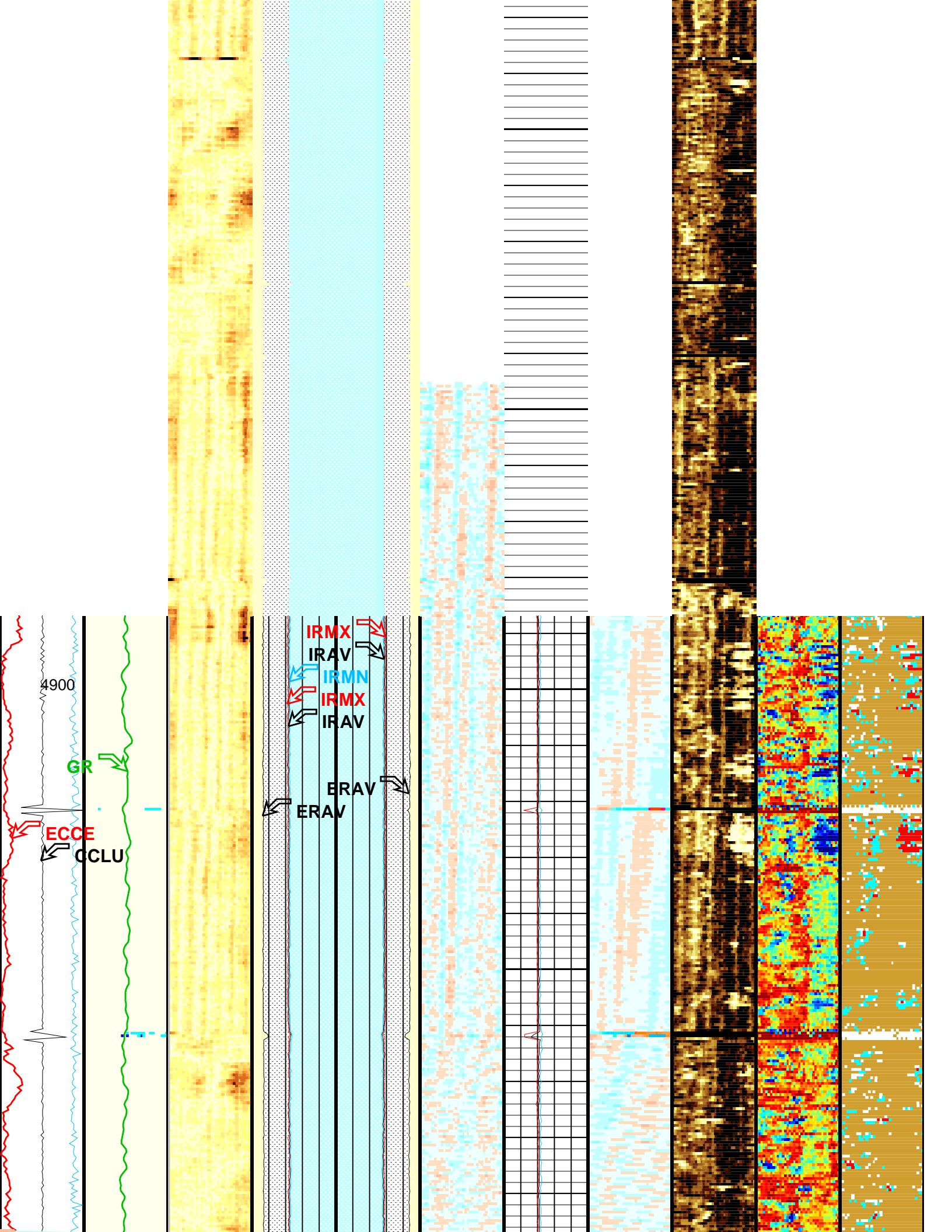


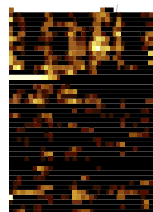
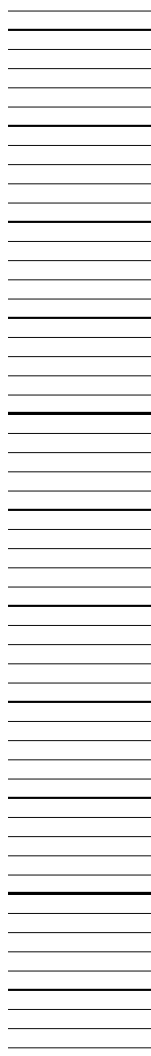
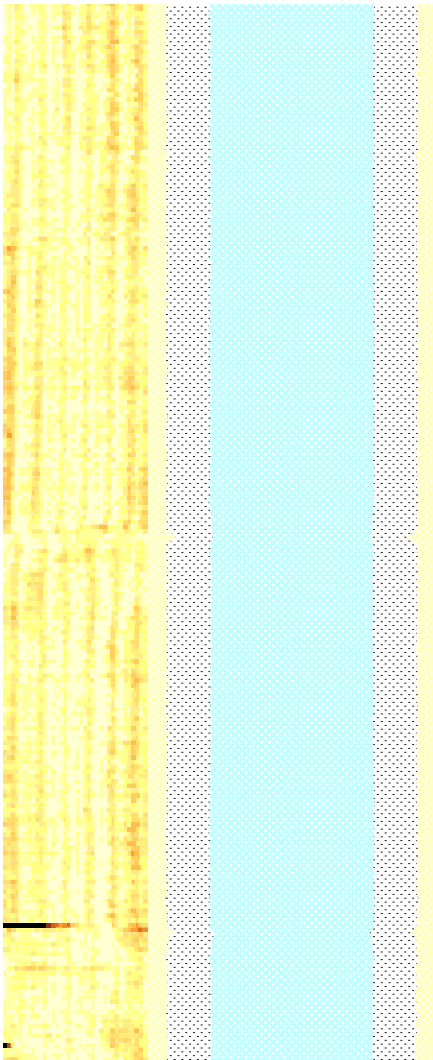


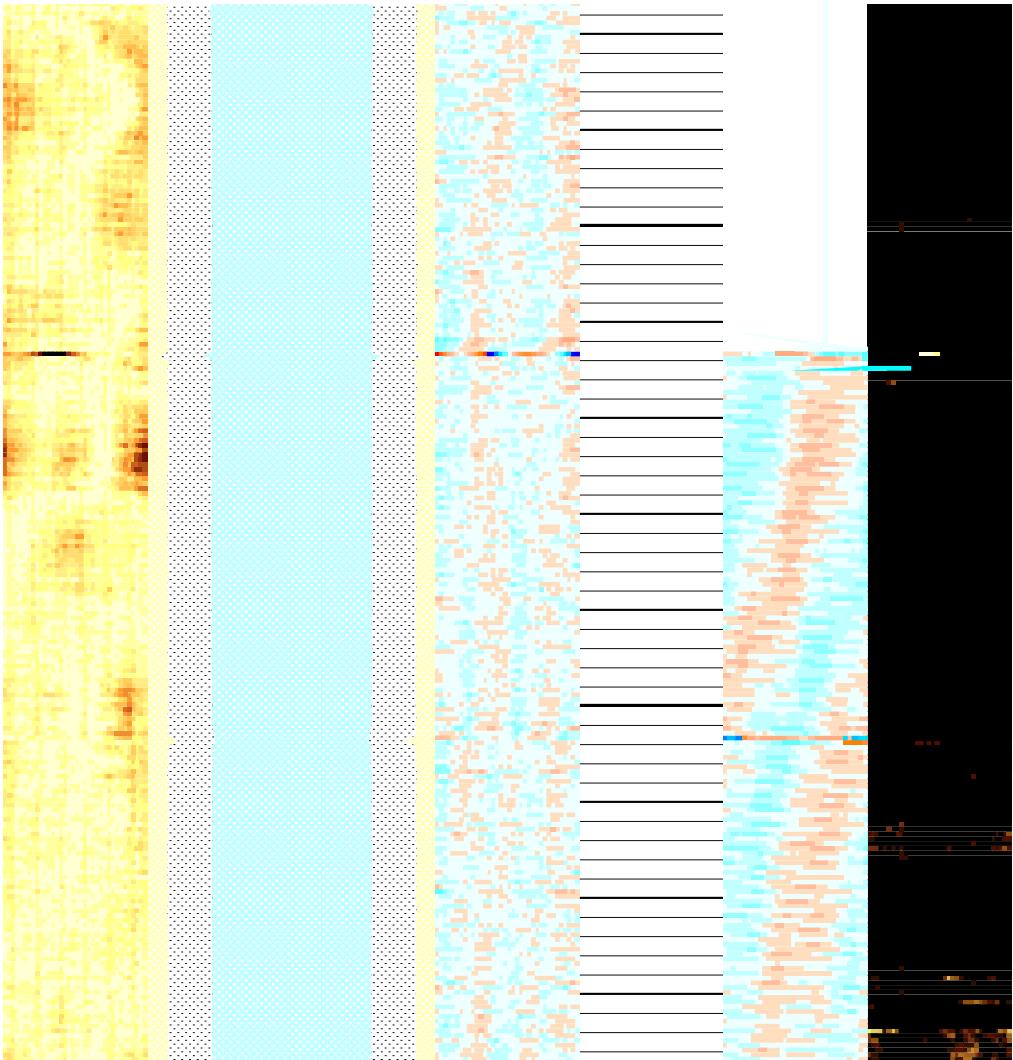


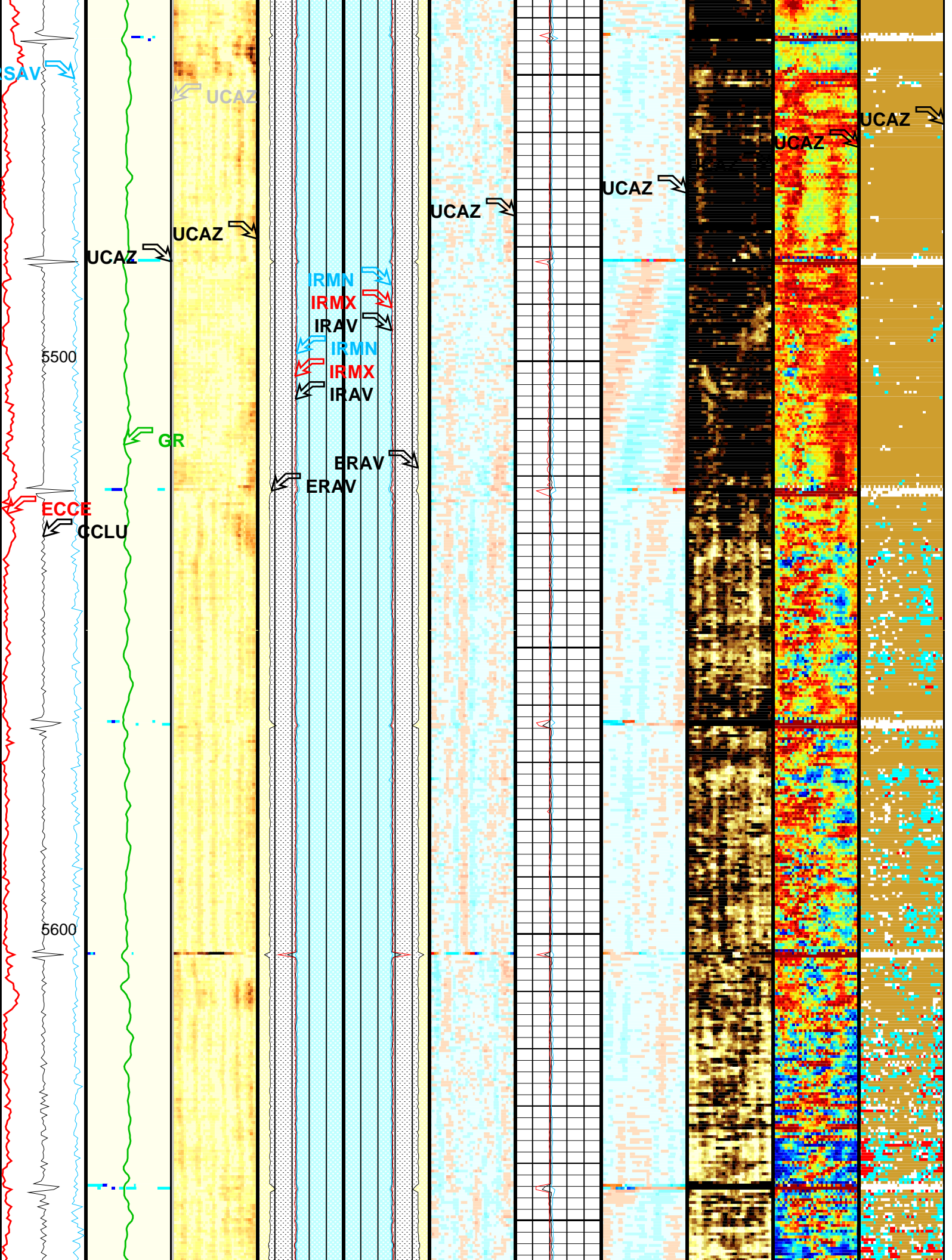
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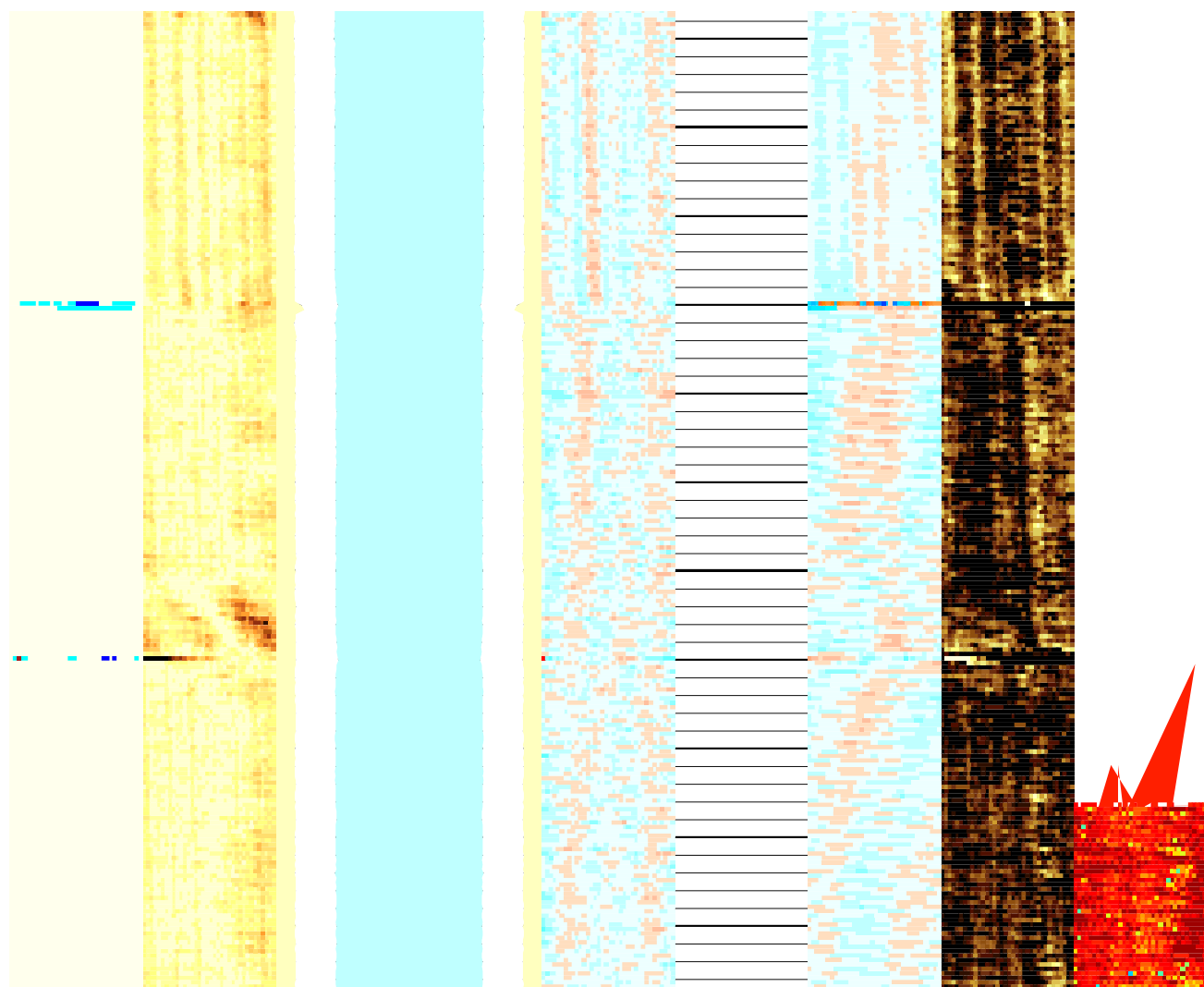


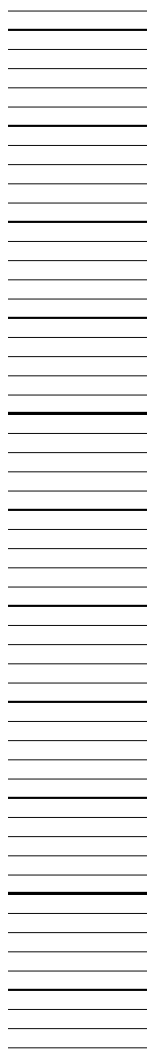
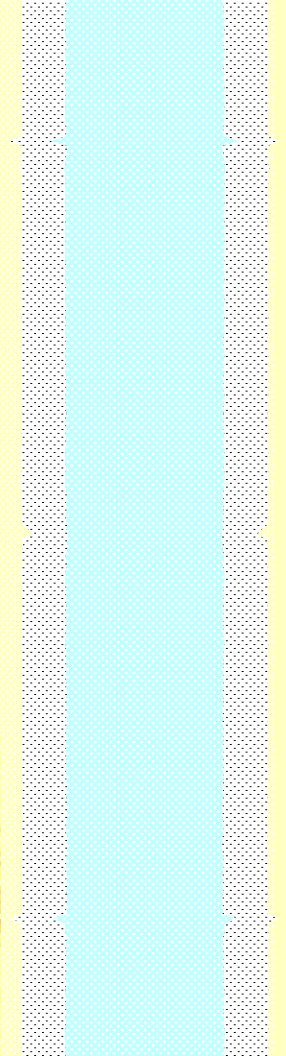
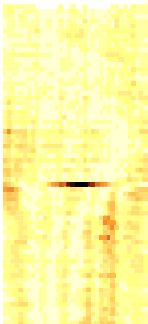


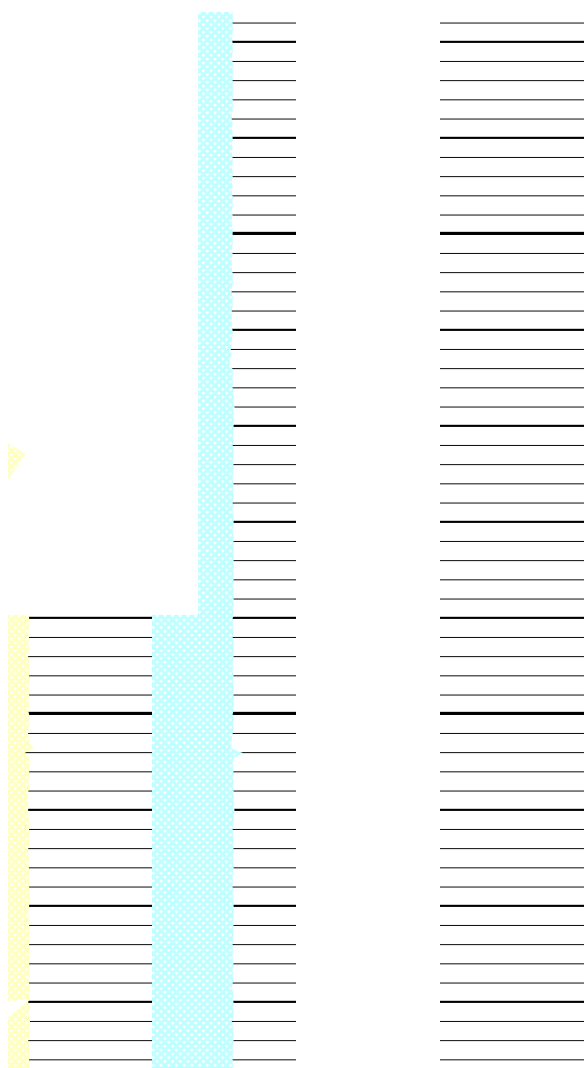


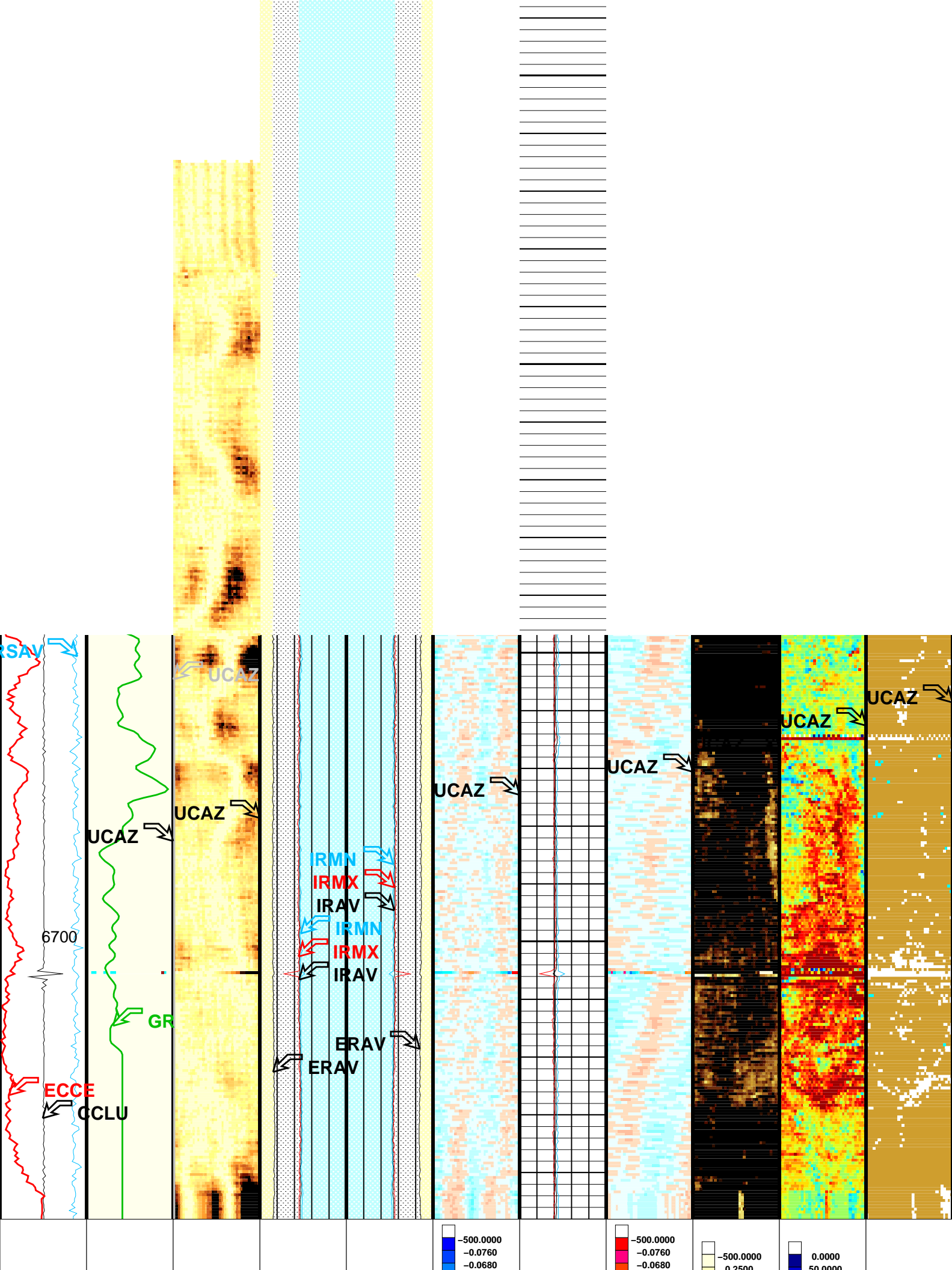


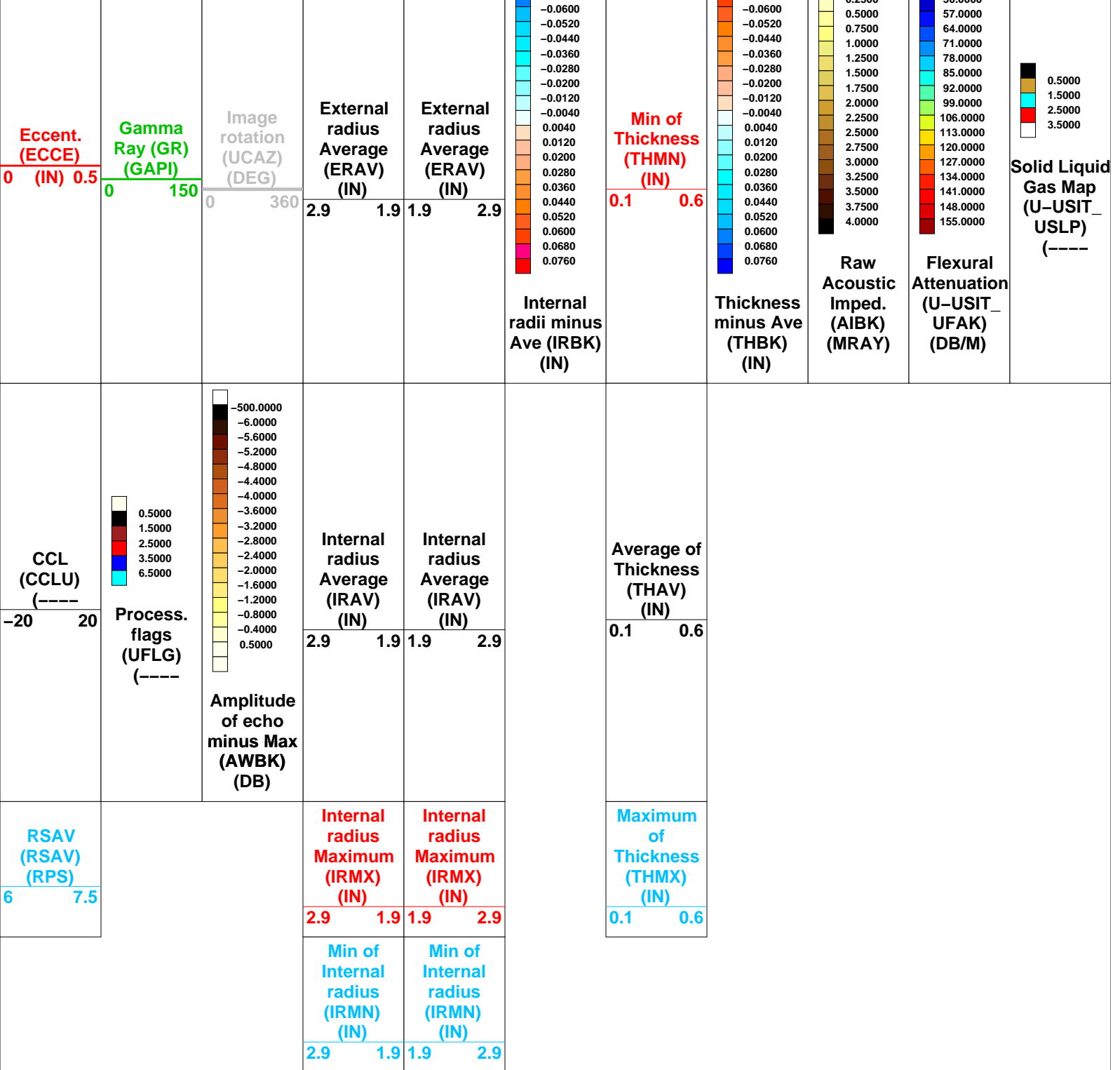












Format: 5 inch IBC CEMENT COMPOSITE

Vertical Scale: 5" per 100'

Graphics File Created: 01-May-2012 12:36

OP System Version: 18C0-147

USIT-D
DTC-H

SRPC-4072-Q4_2010_OP18_b
18C0-147

SGT-N

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			
	T^3 Processing Length for FPM	15.508	US
	Corrosion range maximum	0.076	IN
	Corrosion range minimum	-0.076	IN
AGMN	Minimum Gain of Cartridge	-4	DB
AGMX	Maximum Gain of Cartridge	20	DB
BERJ	Bad Echo Rejection	ON	
CDIA	Casing Outer Diameter	5.5	IN
CDUN	Curves Unit Declared in Presentation Manager	IN	
CSDE	Casing Density	486.94	LBCF
CSID	Casing Inner Diameter	4.892	IN
CYST	Casing Yield Strength	0	PSI
DFVL	Default Fluid Velocity	193	US/F
DOT	Diameter of Transducer Sensor	1.756	IN
EMXV	EMEX Voltage	40	V
FDII	FPM Data Interpolation Interval	0	FT
FSOD	Fluid Slowness Fits Casing Outer Diameter	0_OFF	
IMAR	Image Rotation	OFF	
MW	Mud Weight	8.4	LB/G
OPLEV	USIT Remove Flagged Data Level	level2	
RCOD	Reference Calibrator Outer Diameter	4.5	IN
RCSO	Reference Calibrator Standoff	0.8425	IN
RCTH	Reference Calibrator Thickness	0.2165	IN
SDNV	Number of Vertical Samples used for Micro-debonding Computation	5	
SDTHOR	Acoustic Impedance STD Horizontal Threshold for Micro-debonding	0.5	
SdTVER	Acoustic Impedance STD Vertical Threshold for Micro-debonding	0.3	
SUBT	Ultrasonic Subassembly Type	Sub_5_inch_S	
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	0.304	IN
TMUC	Type of Mud	WBM	
U-USIT_CEMT	USIT Cement Type	ULTRA_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_RFWB	USIT Remove Flagged Data Window Begin	0	US
U-USIT_RFWE	USIT Remove Flagged Data Window End	511	US
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_UDFC	USIT Deflector for Casing	NONE	
U-USIT_UFAO	USIT Flexural Attenuation Offset	-2	DB/M
U-USIT_UFGA	Far Receiver Maximum Gain of Cartridge	48	DB
U-USIT_UFGI	Far Receiver Minimum Gain of Cartridge	-12	DB
U-USIT_UHCI	USIT IBC Hydraulic Communication Interval	06FT_02M	
U-USIT_UIAP	USIT IBC Answer Product Enabled	SolidLiquidGasMap	
U-USIT_UIST	Ultrasonic IBC Sonde Type	Sub_ibcs_A	
U-USIT_UNGA	Near Receiver Maximum Gain of Cartridge	48	DB
U-USIT_UNGI	Near Receiver Minimum Gain of Cartridge	-12	DB
U-USIT_URTP	USIT Radial Transducer Position	UNKNOWN	
U-USIT_UTAN	USIT Transducer Angles	33_DEG	
U-MAO	USIT Measurement Angular Offset	-10	DEG
UPAT	Emission Pattern	Pattern_500K	
USIT_USAC_TASK_ALLOW	USIT USAC Allow Task after Power Up	YES	
USIT_USAC_TASK_TIMEOUT	USIT USAC Task Timeout (in seconds) FOR TEST REPORT	600	
USTO	Ultrasonic Time Offset	-2	US
USUB	Ultrasonic Subassembly Identifier	Sub_5_inch	
UWKM	Ultrasonic Working Mode	10DEG_6IN_136UNF_LF	
VCAS	Ultrasonic Transversal Velocity in Casing	51.4	US/F
WLEN	T^3 Processing Length	18.2297	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	2.3	MRAY
ZTGS	Acoustic Impedance Threshold for Gas	0.3	MRAY
SGT-N: Scintillation Gamma Ray Tool – N			
BHS	Borehole Status	CASED	
BHT	Bottom Hole Temperature (used in calculations)	160	DEGF
DPPM	Density Porosity Processing Mode	STAN	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG

GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	68	DEGF
SOGR	SGT Standoff Distance	0	IN
FEQL: Formation Evaluation Quick Look			
CSXO	Coefficient of Sxo	1	
DLLM	DPOR Lower Limit for Mineral Detection	0.35	CFCF
EDSE	EPT Data Selector	STANDARD	
FEPT	EPT Option Flag	NONE	
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
FPHI	Form Factor Porosity Source	DPHI	
GDCL	Grain Density Clean Reading	0	G/C3
GDSH	Grain Density Shale Reading	2.9	G/C3
GRCL	Gamma Ray Clean Reading	0	GAPI
GRSH	Gamma Ray Shale Reading	200	GAPI
GULM	Gamma Ray Upper Limit for Mineral Detection	999	GAPI
KGR	Kill GR Shale Index (USE, KILL)	USE	
KPN	Kill NPES Shale Index (USE, KILL)	USE	
KRH	Kill RHGA Shale Index (USE, KILL)	USE	
KSP	Kill SP Shale Index (USE, KILL)	USE	
LSWB	SWB Limit Selector (NO_LIMIT, LIMIT)	NO_LIMIT	
MDET	Mineral Flag (NONE, COAL, SALT)	NONE	
NLIM	Neutron Limit for Mineral Detection	0.01	CFCF
NPCL	NPES Clean Reading	0	CFCF
NPSH	NPES Shale Reading	0.5	CFCF
RWB	Bound Water Resistivity	0.1	OHMM
RXOF	RXO Presence Flag	ABSENT	
SDGC	Clean Grain Density Selector	GDCL	
SEXP	N in Water Saturation Equation	2	
SIS	Three Mineral Shale Index Selector	NOT_USED	
SPCL	SP Clean Reading	-200	MV
SPSB	SP Shale Baseline	0	MV
SPSH	SP Shale Reading	0	MV
SWMN	Sw Minimum	0.05	CFCF
TPCN	Time Propagation of non-shale	7.2	NS/M
TPM1	Time Propagation, Matrix-1 <Limestone>	9.8	NS/M
TPM2	Time Propagation, Matrix-2 <Sandstone>	7.2	NS/M
TPM3	Time Propagation, Matrix-3 <Dolomite>	8.7	NS/M
TPSH	Time Propagation of Shale	8.9	NS/M
HOLEV: Integrated Hole/Cement Volume			
BHS	Borehole Status	CASED	
BHT	Bottom Hole Temperature (used in calculations)	160	DEGF
FCD	Future Casing (Outer) Diameter	0	IN
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HVCS	Integrated Hole Volume Caliper Selection	AUTOMATIC	
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	68	DEGF
PERT: Preliminary Evaluation - Real Time			
ARTS	AIT Rt Selection (for ALLRES computation)	AIT_TwoResA60	
BDPS	Bulk Density Processing Selector	Standard	
BHS	Borehole Status	CASED	
BHT	Bottom Hole Temperature (used in calculations)	160	DEGF
CLIM	Caliper Limit for Bad Hole	999	IN
CNPS	Corrected Neutron Porosity Selector	NPHI	
DRUL	DRHO Upper Limit	999	G/C3
FCAL	Caliper Presence Flag	PRESENT	
FCGR	CGR Presence Flag	PRESENT	
FEXP	Form Factor Exponent	2	
FLDT	Bulk Density Presence Flag	PRESENT	
FNUM	Form Factor Numerator	1	
FPHI	Form Factor Porosity Source	DPHI	
FSON	Sonic Presence Flag	ABSENT	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
PMAX	PHI Maximum	0.5	CFCF
POUT	Porosity Output Lithology	LIMESTONE	
RG21	RHO Grain (2-Mineral Model, Min-1)	2.71	G/C3
RG22	RHO Grain (2-Mineral Model, Min-2)	2.644	G/C3
RG23	RHO Grain (2-Mineral Model, Min-3)	2.877	G/C3
RG31	RHO Grain (3-Mineral Model, Min-1)	2.71	G/C3
RG32	RHO Grain (3-Mineral Model, Min-2)	2.644	G/C3

RG32	RHO Grain (3-Mineral Model, Min-2)	2.644	G/C3
RG33	RHO Grain (3-Mineral Model, Min-3)	2.877	G/C3
RTCO	RTCO – Rt Invasion Correction	YES	
RTLF	RT Limit Flag	NO_LIMIT	
RWF	Resistivity of Free Water	0.02	OHMM
SHT	Surface Hole Temperature	68	DEGF
UF	U Fluid	0.398	
UM21	U Matrix (2-Mineral Model, Min-1)	13.77	
UM22	U Matrix (2-Mineral Model, Min-2)	4.779	
UM23	U Matrix (2-Mineral Model, Min-3)	8.997	
UM31	U Matrix (3-Mineral Model, Min-1)	13.77	
UM32	U Matrix (3-Mineral Model, Min-2)	4.779	
UM33	U Matrix (3-Mineral Model, Min-3)	8.997	
STI: Stuck Tool Indicator			
LBFR	Trigger for MAXIS First Reading Label	TDL	
STKT	STI Stuck Threshold	2.5	FT
TDD	Total Depth – Driller	6935.00	FT
TDL	Total Depth – Logger	6935.00	FT
System and Miscellaneous			
ALTDPCCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	7.875	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	5.500	IN
CWEI	Casing Weight	17.00	LB/F
DFD	Drilling Fluid Density	8.40	LB/G
DO	Depth Offset for Playback	-4.0	FT
FLEV	Fluid Level	0.00	FT
MST	Mud Sample Temperature	-50000.00	DEGF
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	RECOMPUTE	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	6935	FT
TWS	Temperature of Connate Water Sample	100.00	DEGF

Input DLIS Files

DEFAULT	SPLICE_USI_018L	FN:1	PRODUCER	01-May-2012 12:30	6752.0 FT	1183.5 FT
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Output DLIS Files

DEFAULT	USI_020PUP	FN:17	PRODUCER	01-May-2012 12:36
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Company: Ultra Resources Inc	Well: Ponderosa 41-17 1V
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Input DLIS Files

DEFAULT	SPLICE_USI_018L	FN:1	PRODUCER	01-May-2012 12:30	6752.0 FT	1183.5 FT
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Output DLIS Files

DEFAULT	USI_020PUP	FN:17	PRODUCER	01-May-2012 12:36	6748.0 FT	1179.5 FT
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OP System Version: 18C0-147

USIT-D	SRPC-4072-Q4_2010_OP18_b	SGT-N	18C0-147
DTC-H	18C0-147		

Changed Parameter Summary

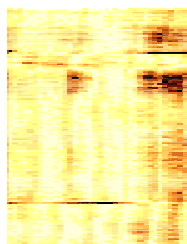
DLIS Name	New Value	Previous Value	Depth & Time
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	203 US/F	198 US/F	2000.0 12:45:48

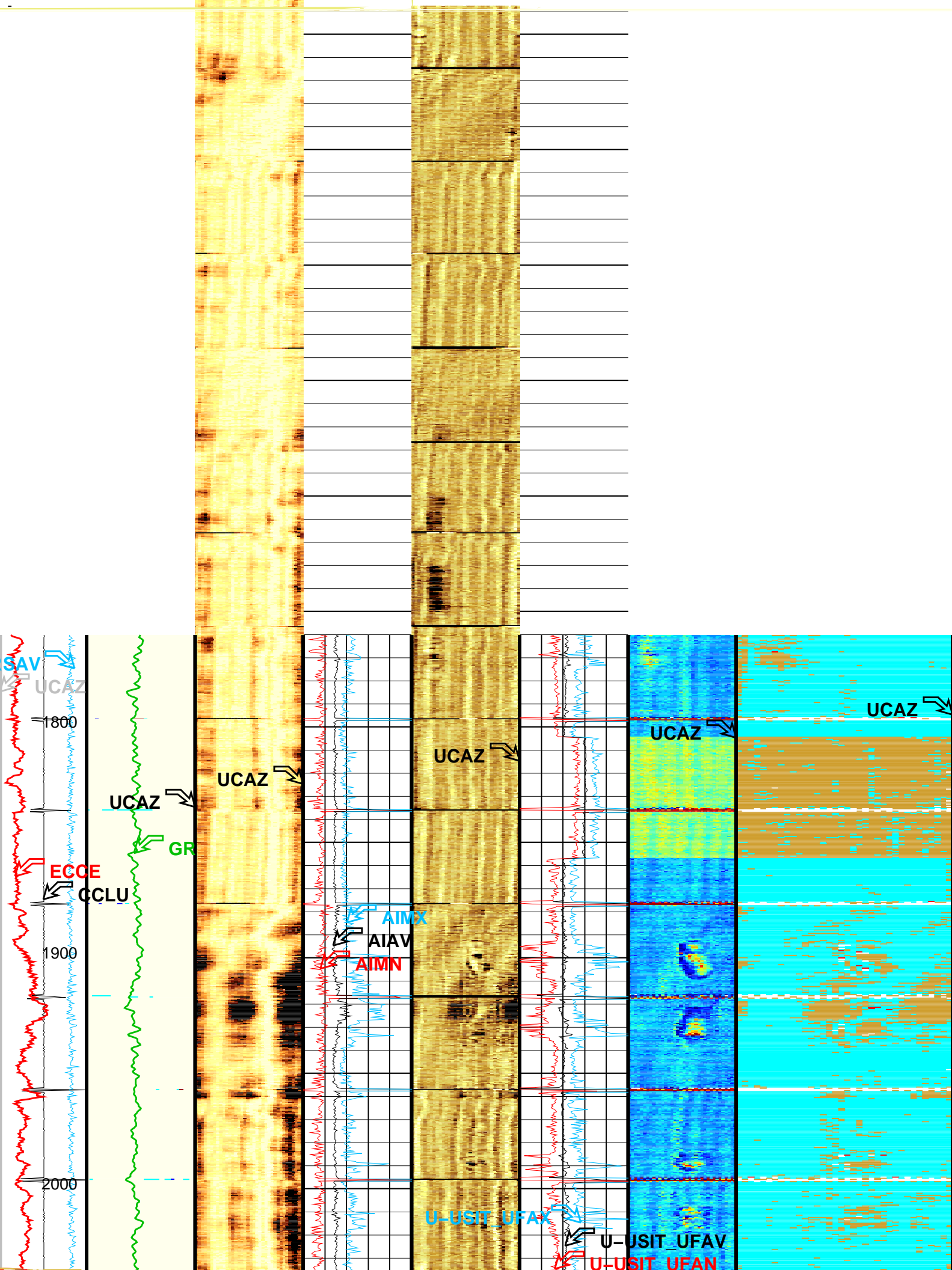
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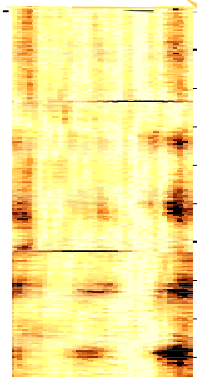
RSV (RSV) (RPS)

Maximum of AI (AIMX)

Maximum Flexural Attenuation (U-USIT_

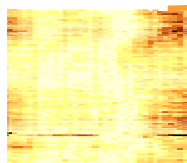




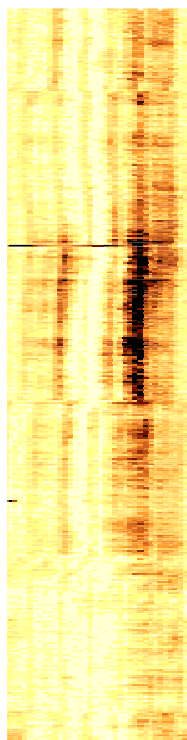


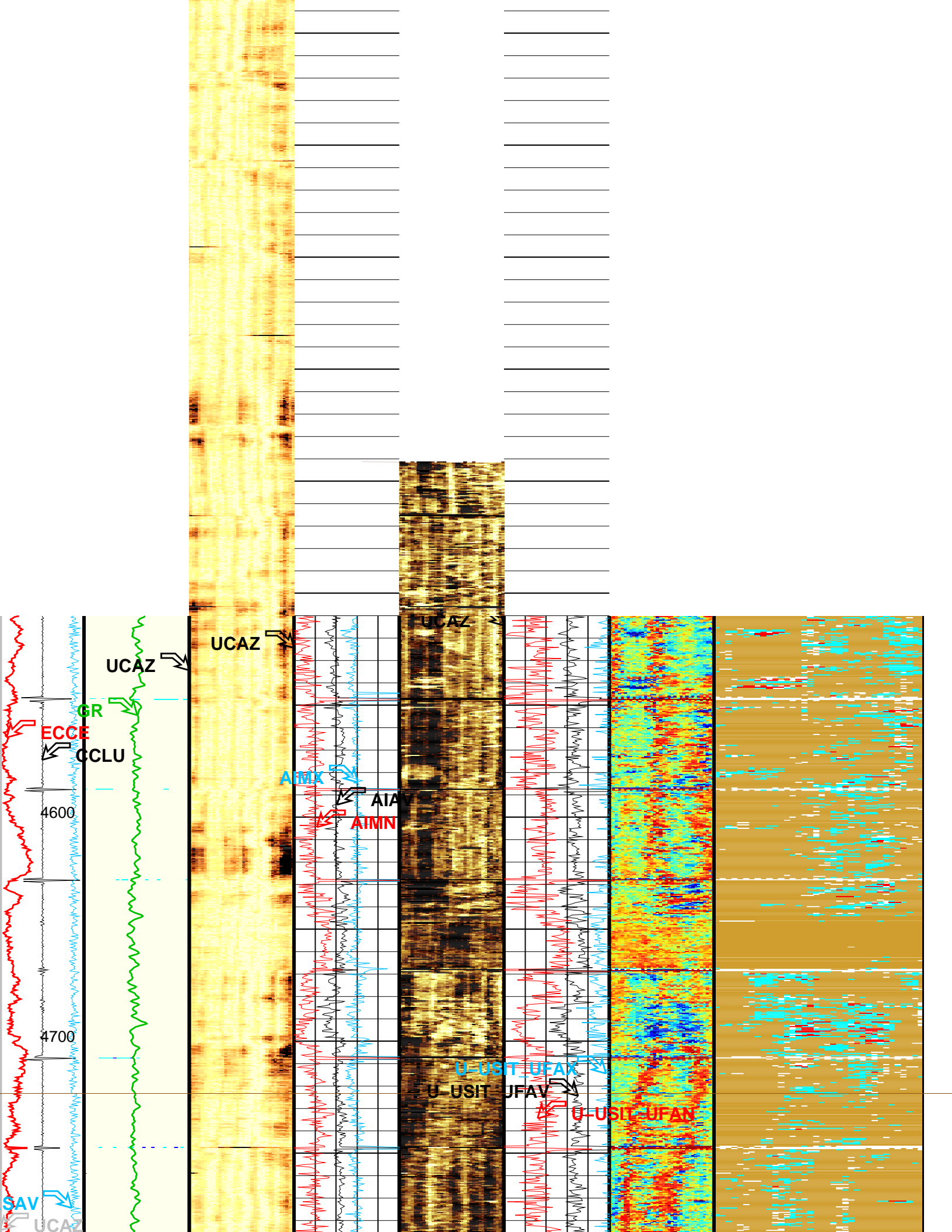
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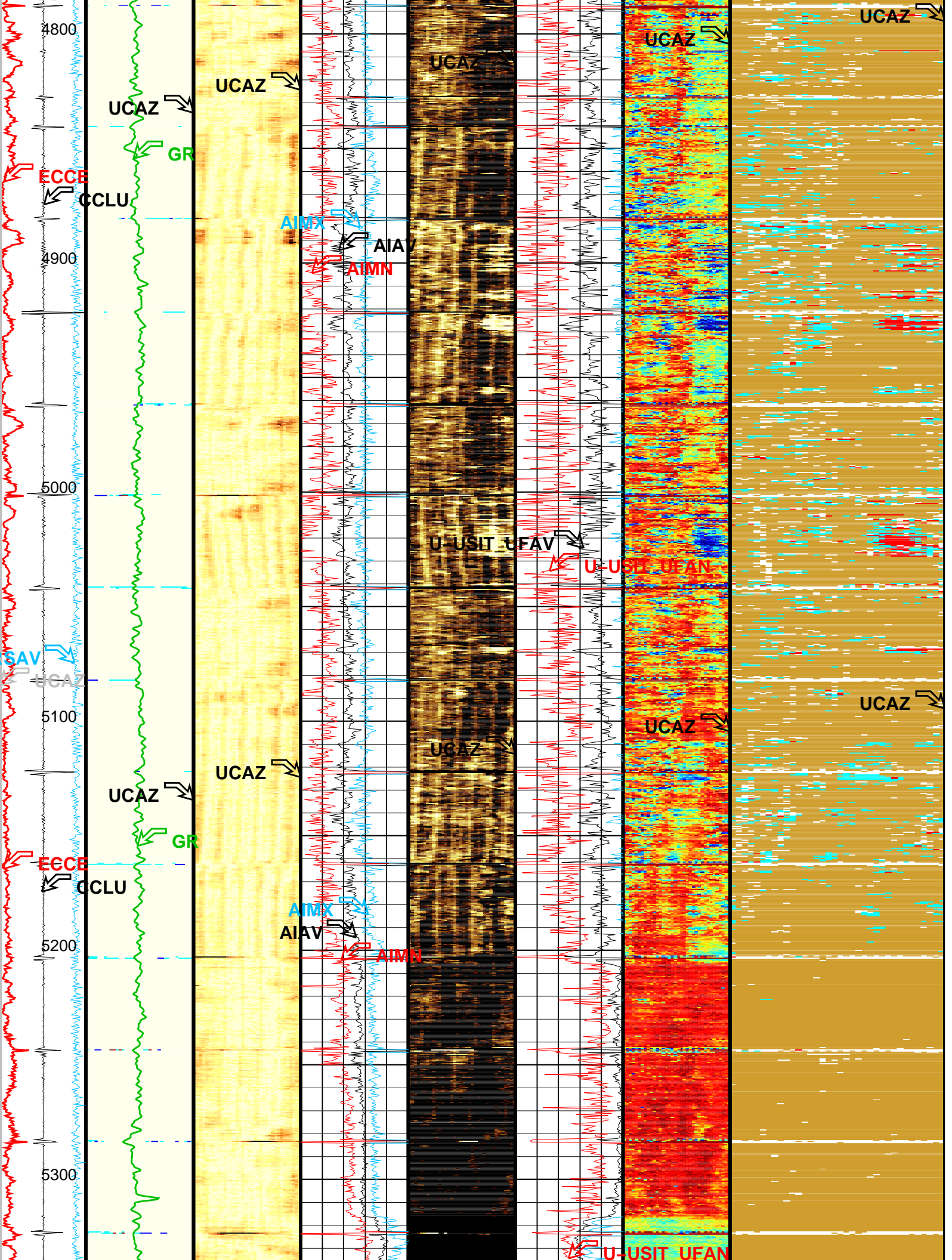
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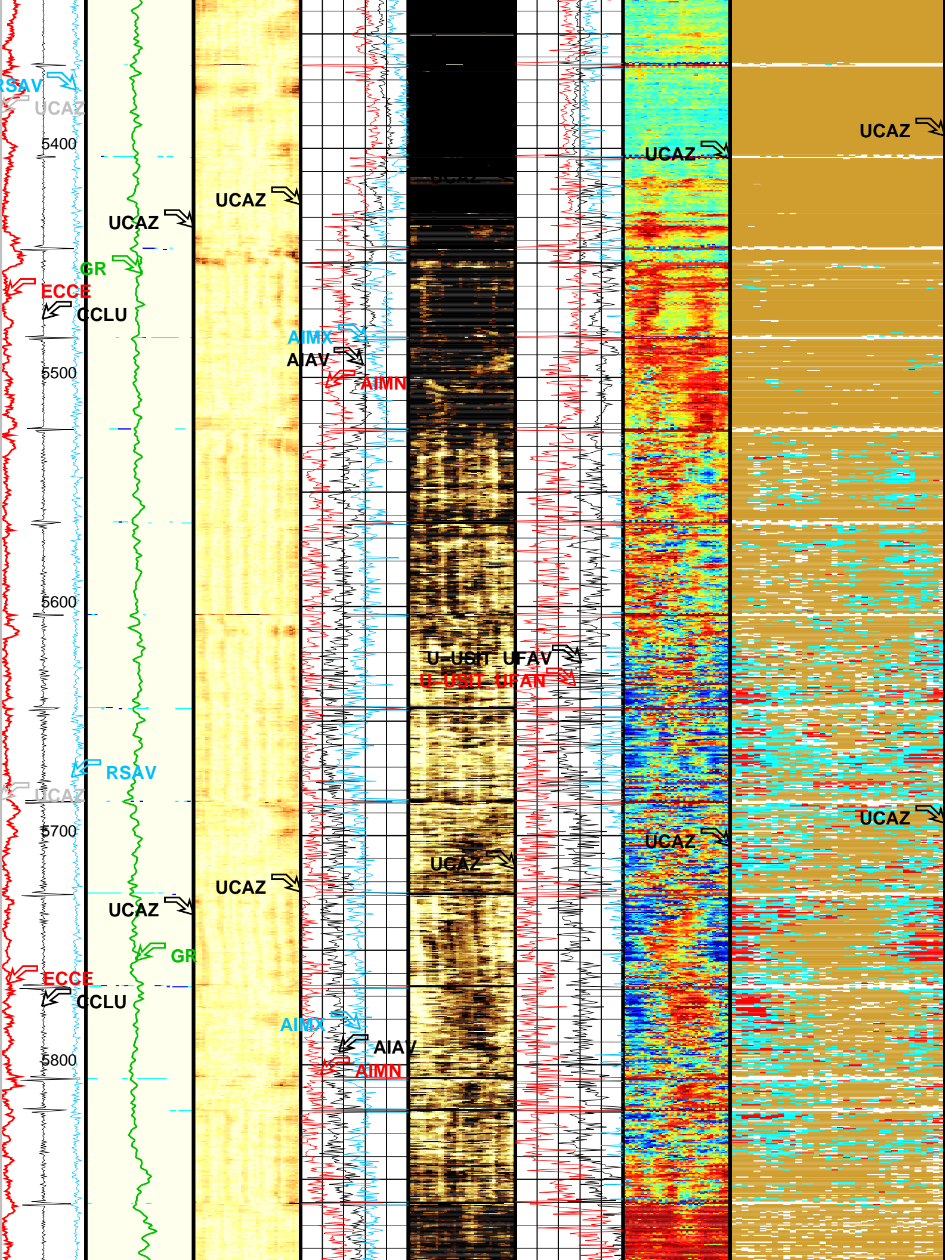


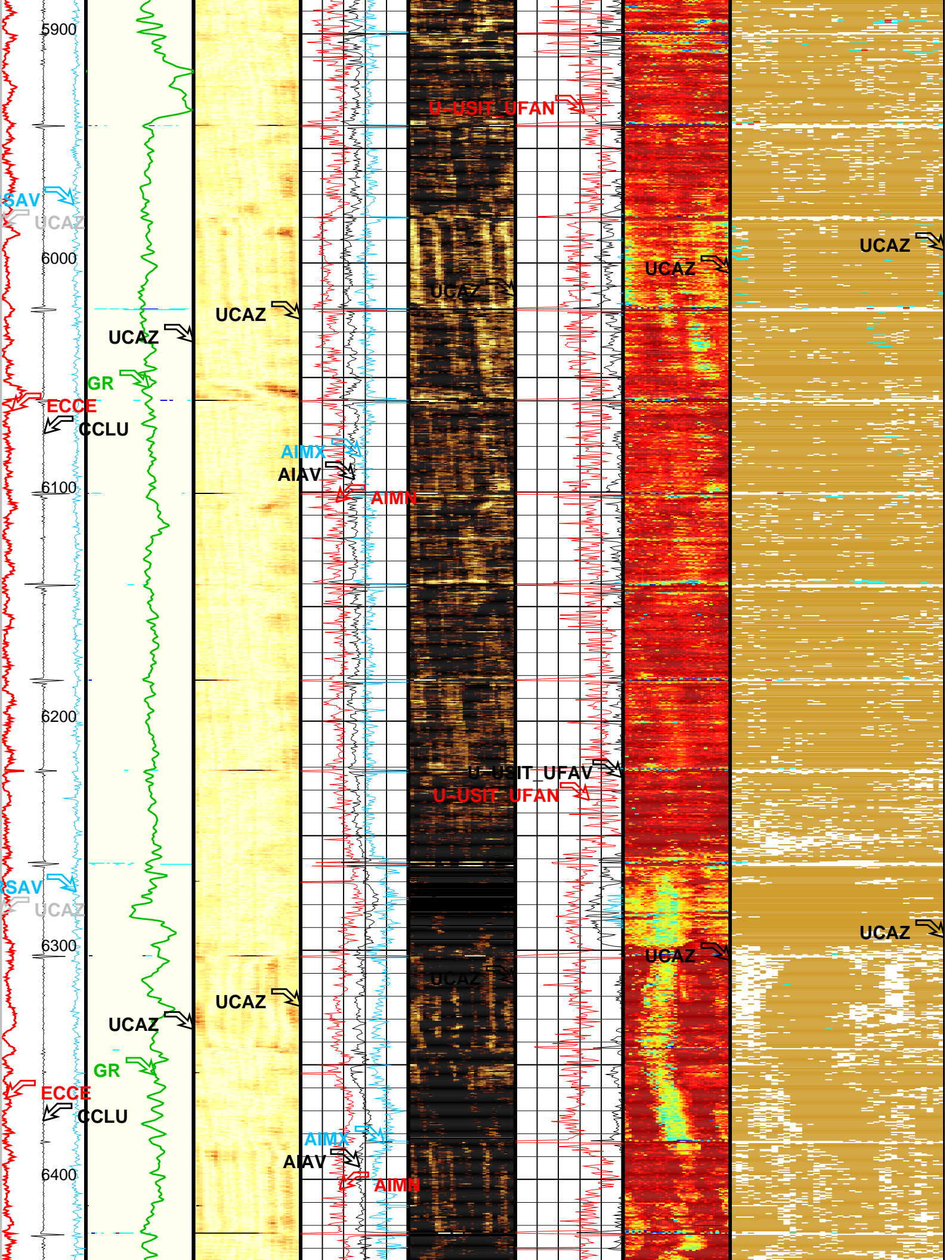
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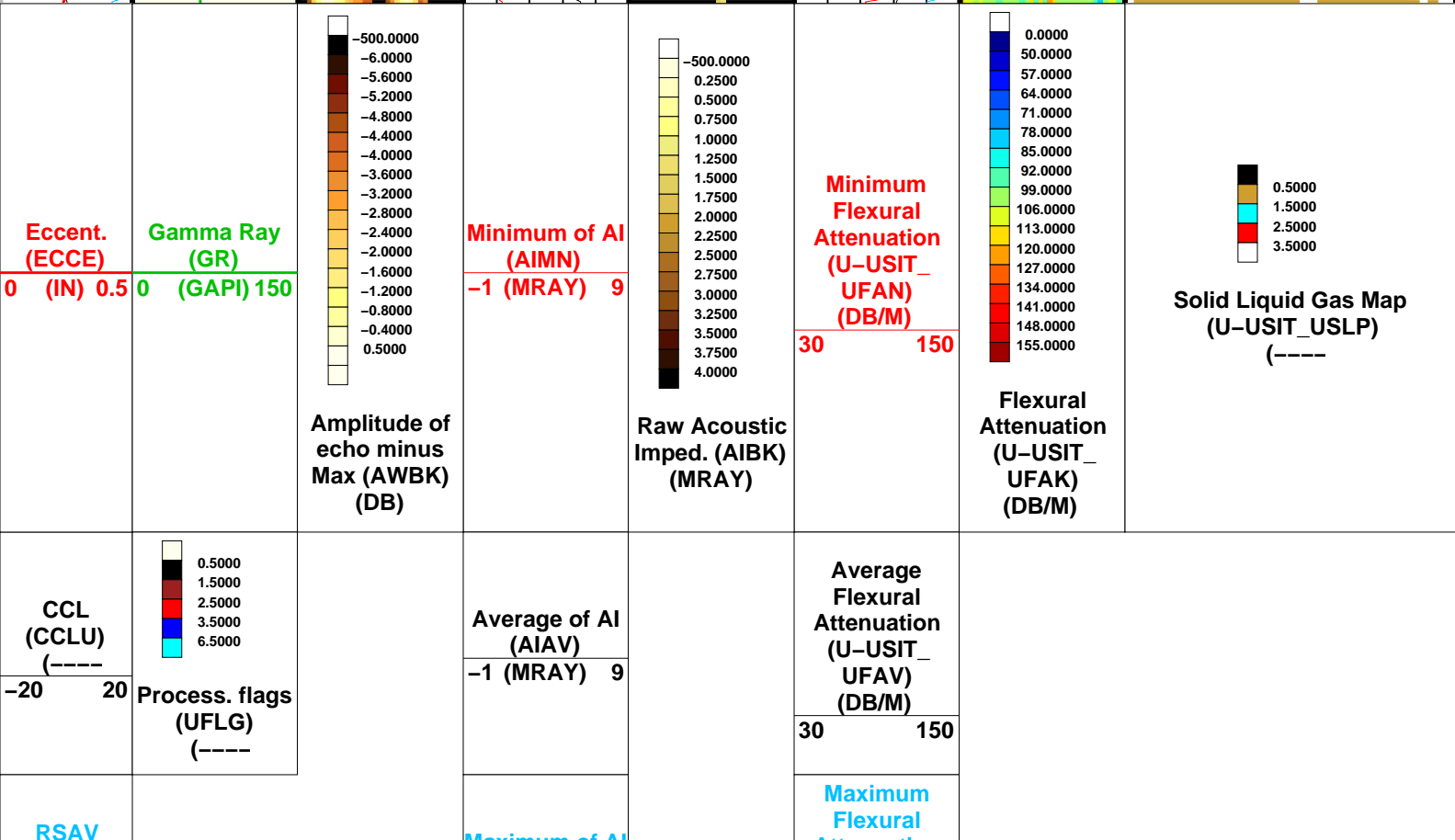
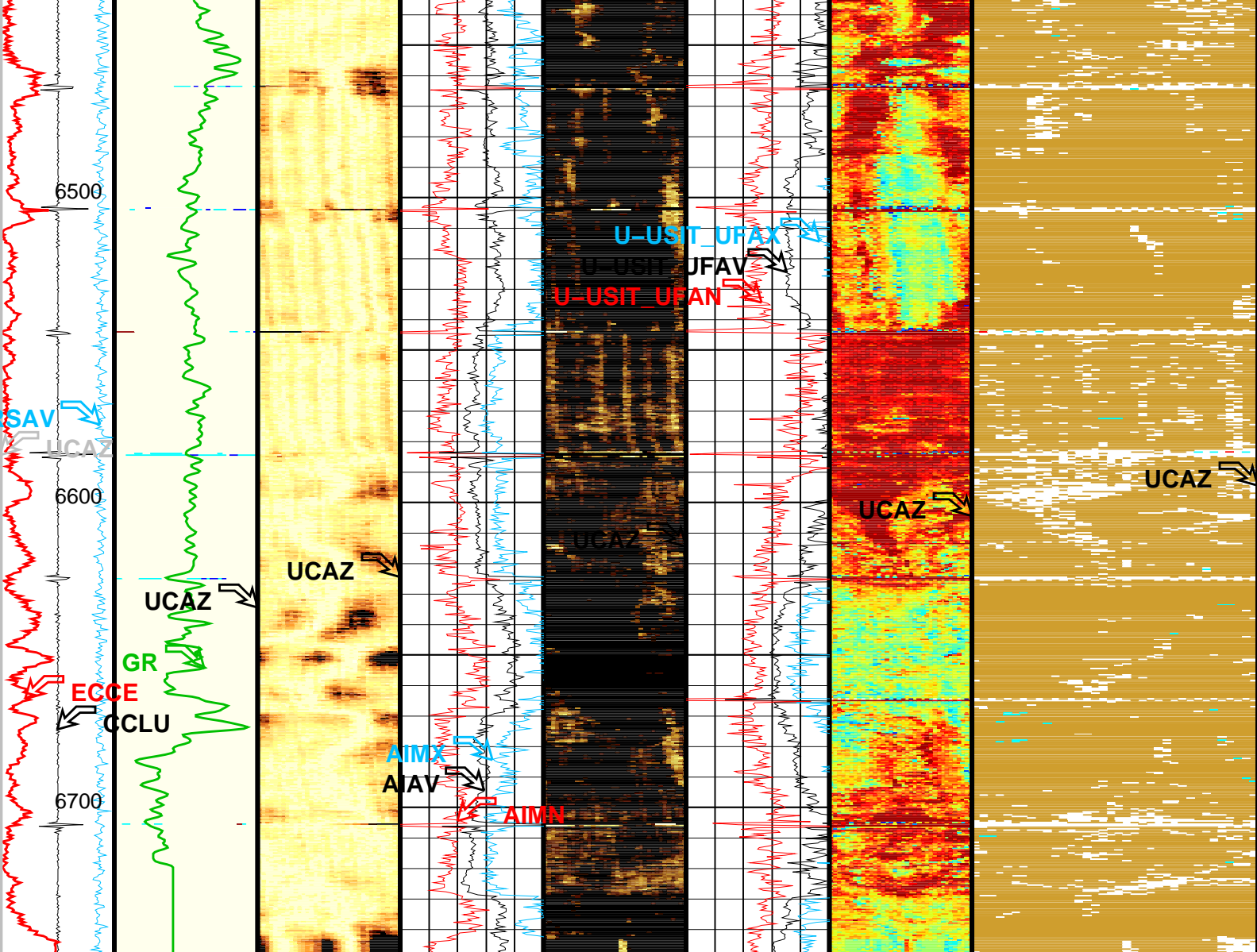












(RSAV) (RPS)		Maximum of AI (AIMX)		Attenuation (U-USIT_ UFAX) (DB/M)	
6	7.5	-1 (MRAY)	9	30	150
Image rotation (UCAZ) (DEG)					
0	360				

Format: 2 inch IBC SLG Vertical Scale: 2" per 100' Graphics File Created: 01-May-2012 12:36

OP System Version: 18C0-147

USIT-D SRPC-4072-Q4_2010_OP18_b SGT-N 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	5.5 IN
CSDE	Casing Density	486.94 LBCF
CSID	Casing Inner Diameter	4.892 IN
DFVL	Default Fluid Velocity	193 US/F
DOT	Diameter of Transducer Sensor	1.756 IN
EMXV	EMEX Voltage	40 V
FDII	FPM Data Interpolation Interval	0 FT
IMAR	Image Rotation	OFF
MW	Mud Weight	8.4 LB/G
RCOD	Reference Calibrator Outer Diameter	4.5 IN
RCSO	Reference Calibrator Standoff	0.8425 IN
RCTH	Reference Calibrator Thickness	0.2165 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	0.304 IN
U-USIT_CENT	USIT Cement Type	ULTRA_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	-2 DB/M
U-USIT_UIAP	USIT IBC Answer Product Enabled	SolidLiquidGasMap
U-USIT_UIST	Ultrasonic IBC Sonde Type	Sub_ibcs_A
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_5_inch
UWKM	Ultrasonic Working Mode	10DEG_6IN_136UNF_LF
VCAS	Ultrasonic Transversal Velocity in Casing	51.4 US/F

WLEN	Acoustic Impedance of Casing	18.2297	US
ZCAS	Initial Estimate of Cement Impedance	46.25	MRAY
ZINI	Acoustic Impedance of Mud	-1	MRAY
ZMUD	Acoustic Impedance Threshold for Cement	1.85	MRAY
ZTCM	Acoustic Impedance Threshold for Gas	2.3	MRAY
ZTGS	Acoustic Impedance Threshold for Gas	0.3	MRAY
System and Miscellaneous			
BS	Bit Size	7.875	IN
CWEI	Casing Weight	17.00	LB/F
DO	Depth Offset for Playback	-4.0	FT
PP	Playback Processing	RECOMPUTE	

Input DLIS Files

DEFAULT	SPLICE_USI_018L	FN:1	PRODUCER	01-May-2012 12:30	6752.0 FT	1183.5 FT
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Output DLIS Files

DEFAULT	USI_020PUP	FN:17	PRODUCER	01-May-2012 12:36		
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Company: Ultra Resources Inc	Well: Ponderosa 41-17 1V
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Input DLIS Files

DEFAULT	SPLICE_USI_018L	FN:1	PRODUCER	01-May-2012 12:30	6752.0 FT	1183.5 FT
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Output DLIS Files

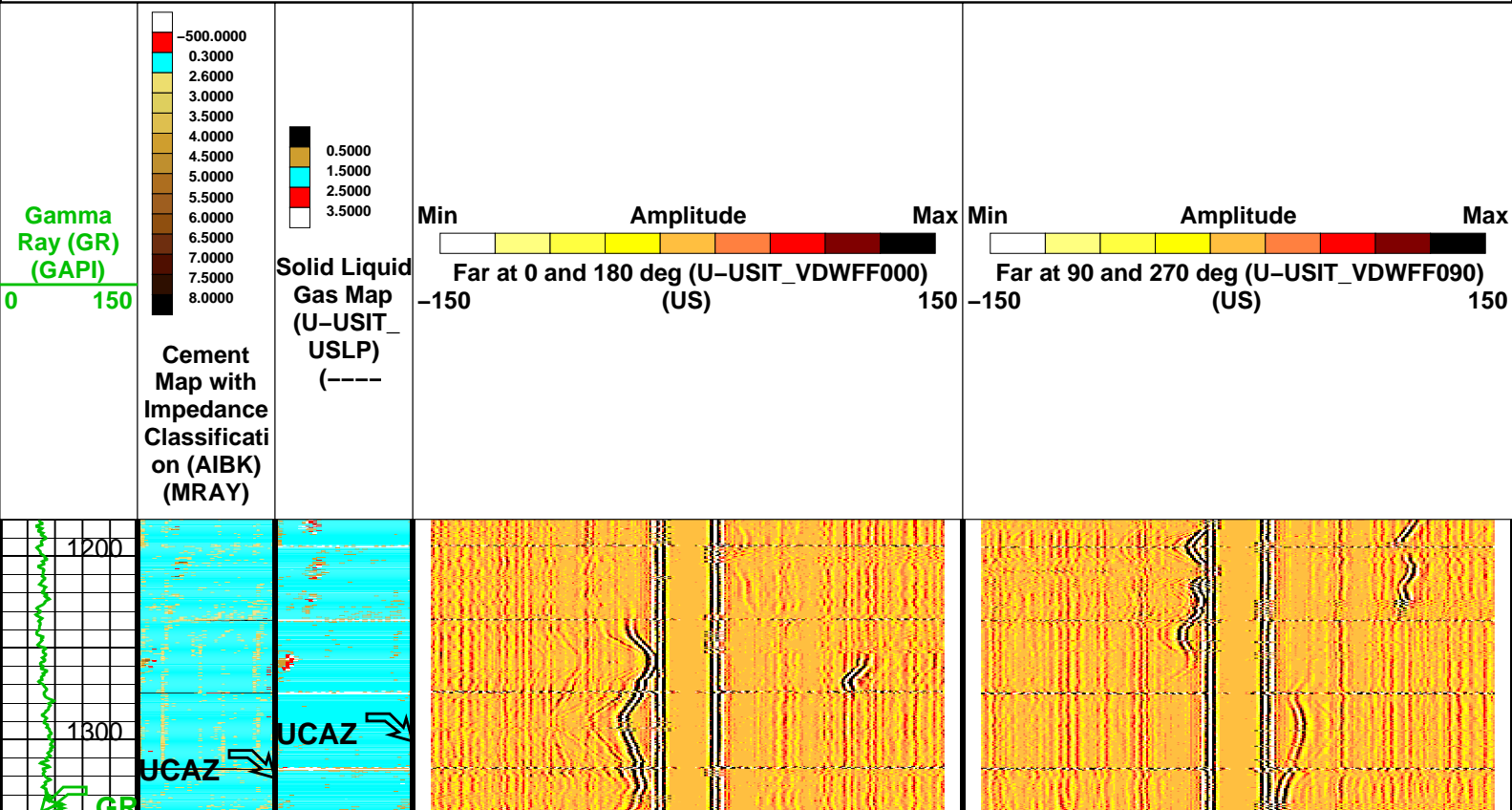
DEFAULT	USI_020PUP	FN:17	PRODUCER	01-May-2012 12:36	6748.0 FT	1179.5 FT
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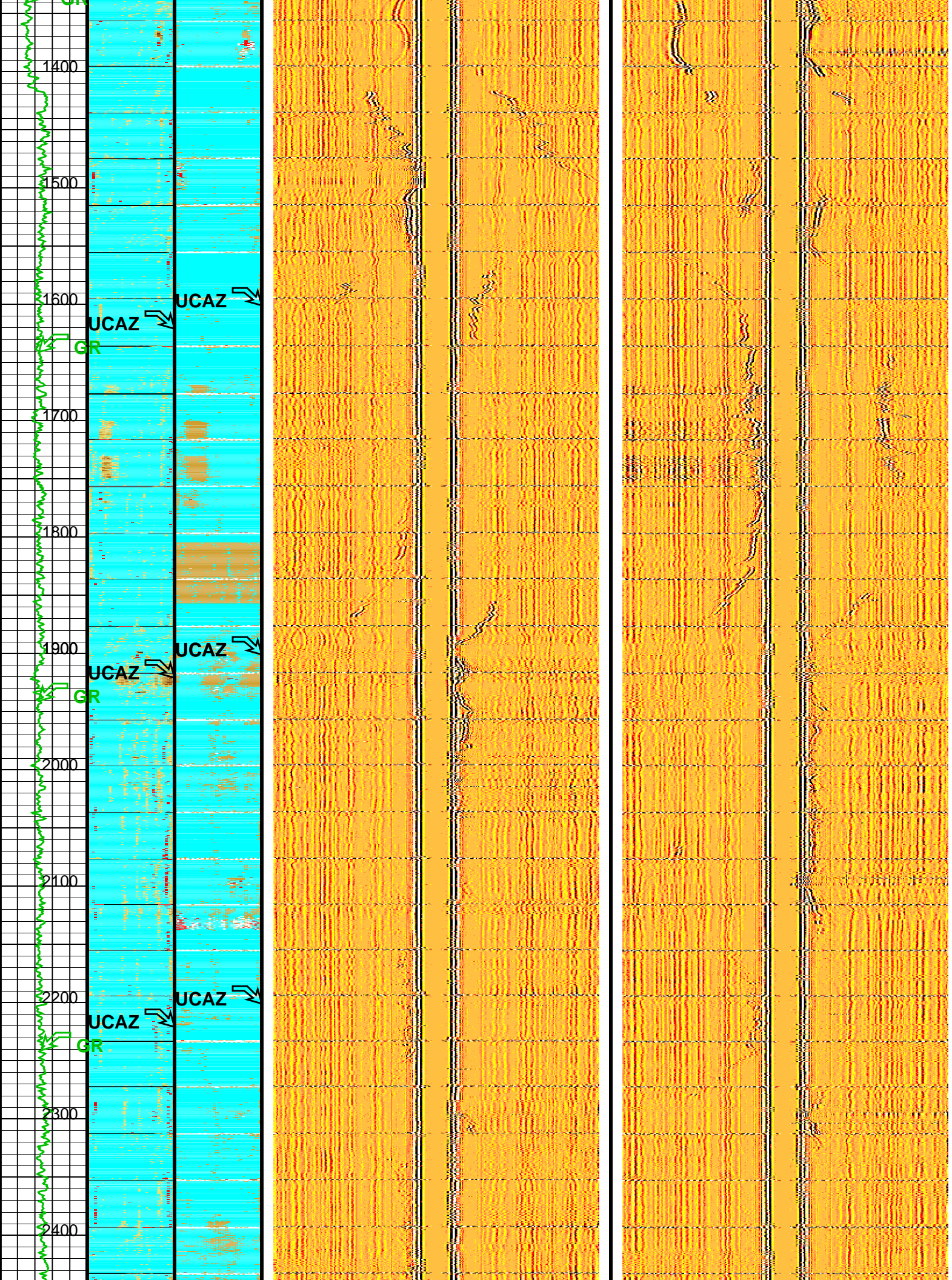
OP System Version: 18C0-147

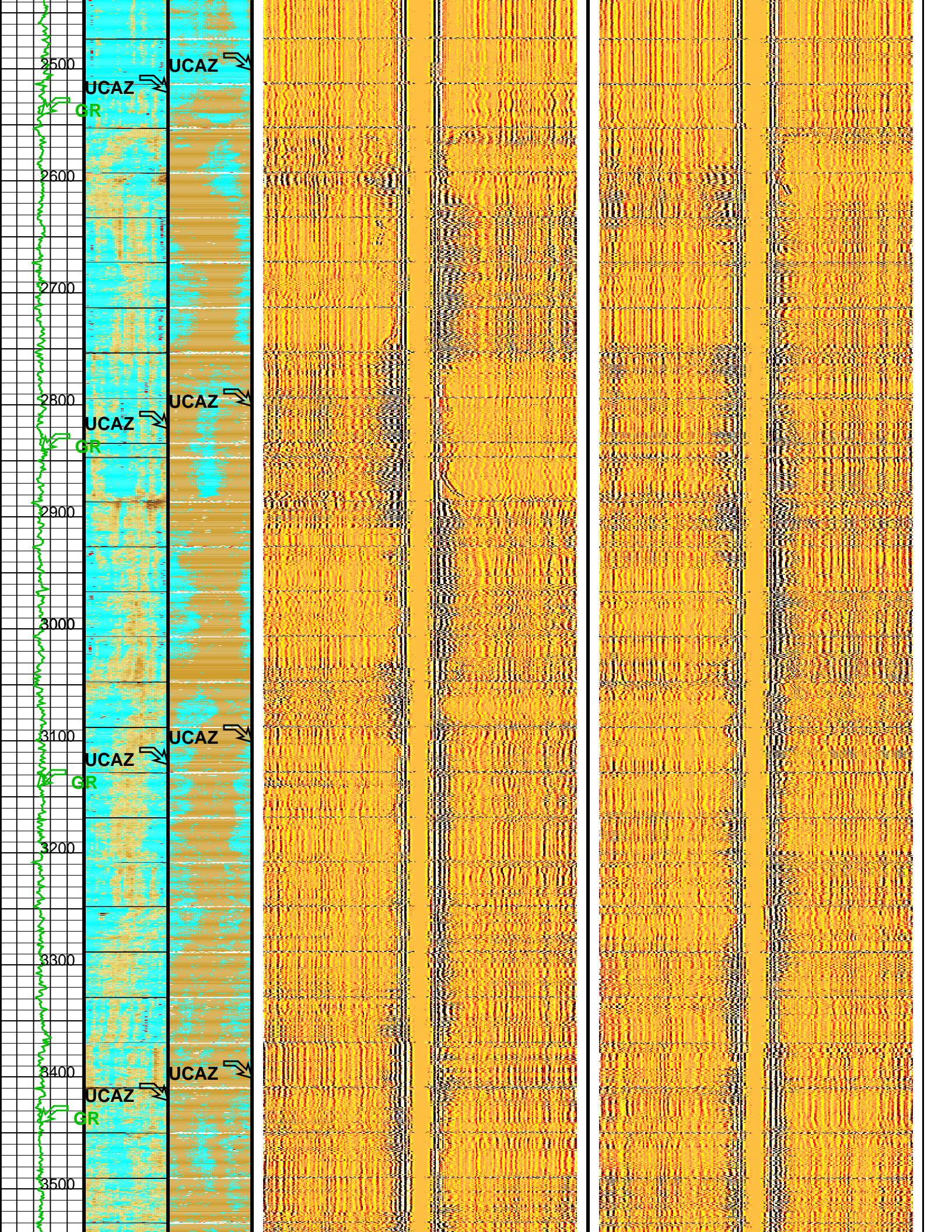
USIT-D	SRPC-4072-Q4_2010_OP18_b	SGT-N	18C0-147
DTC-H	18C0-147		

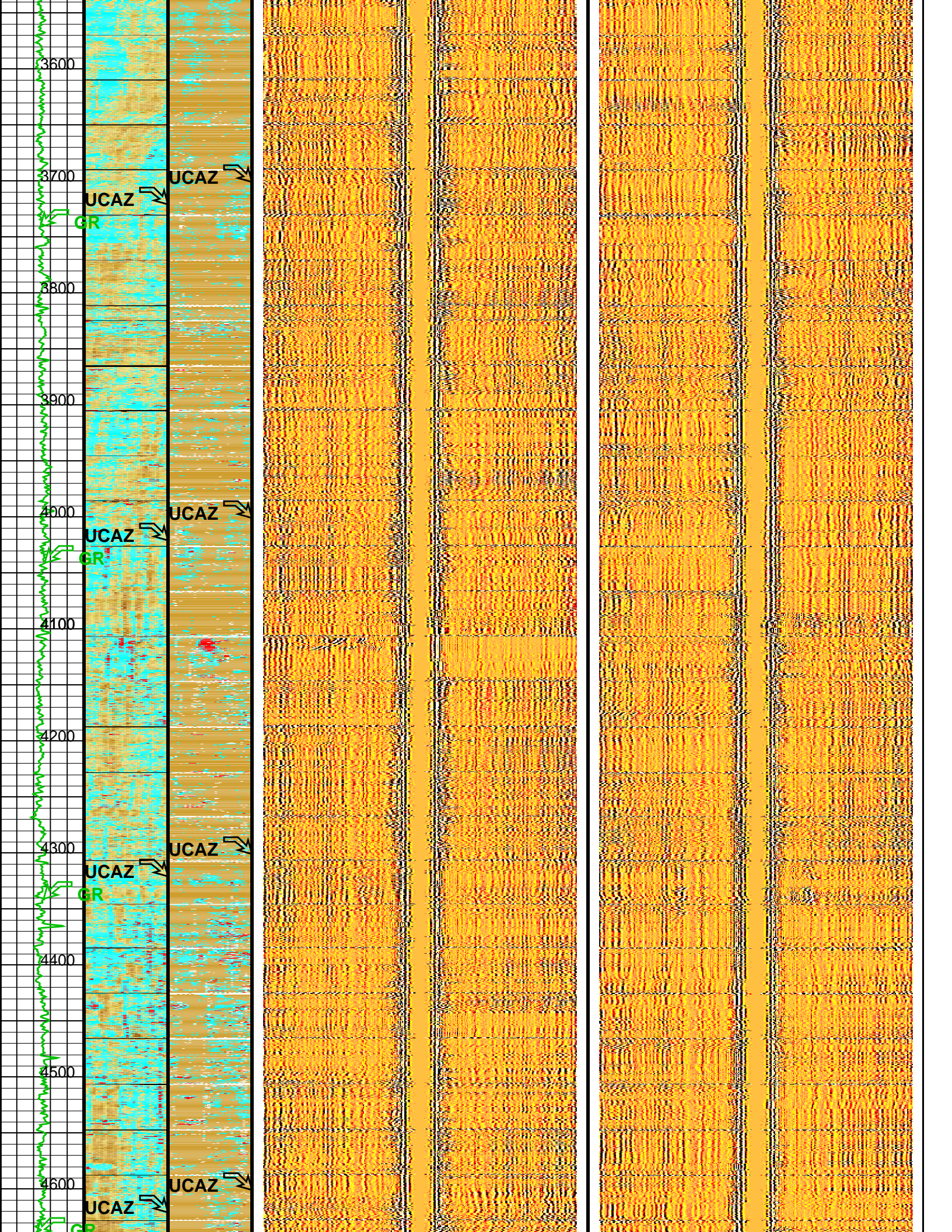
Changed Parameter Summary

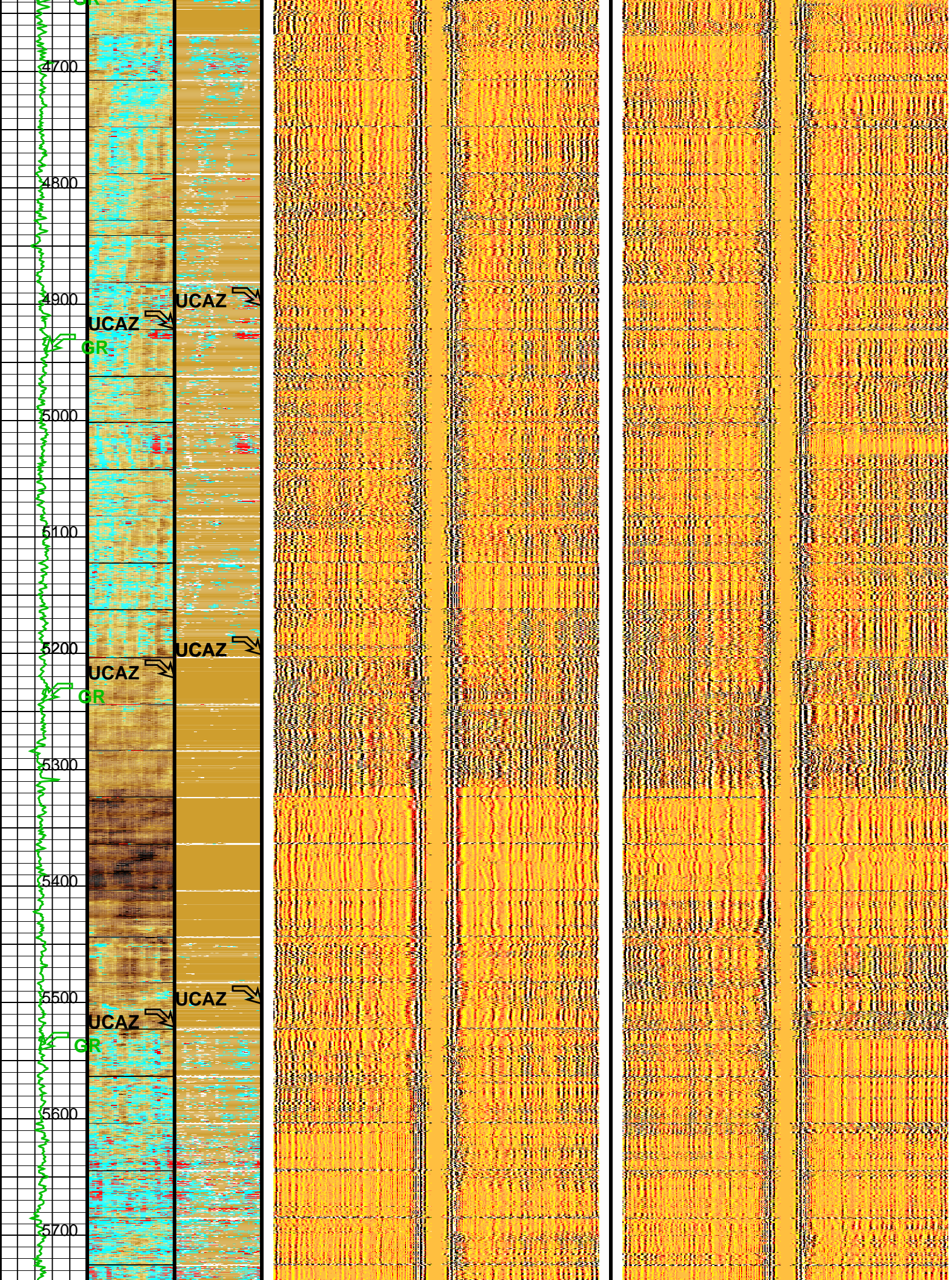
DLIS Name	New Value	Previous Value	Depth & Time
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	198 US/F	193 US/F	4000.0 12:42:17
	203 US/F	198 US/F	2000.0 12:45:48

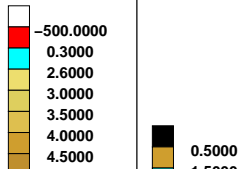
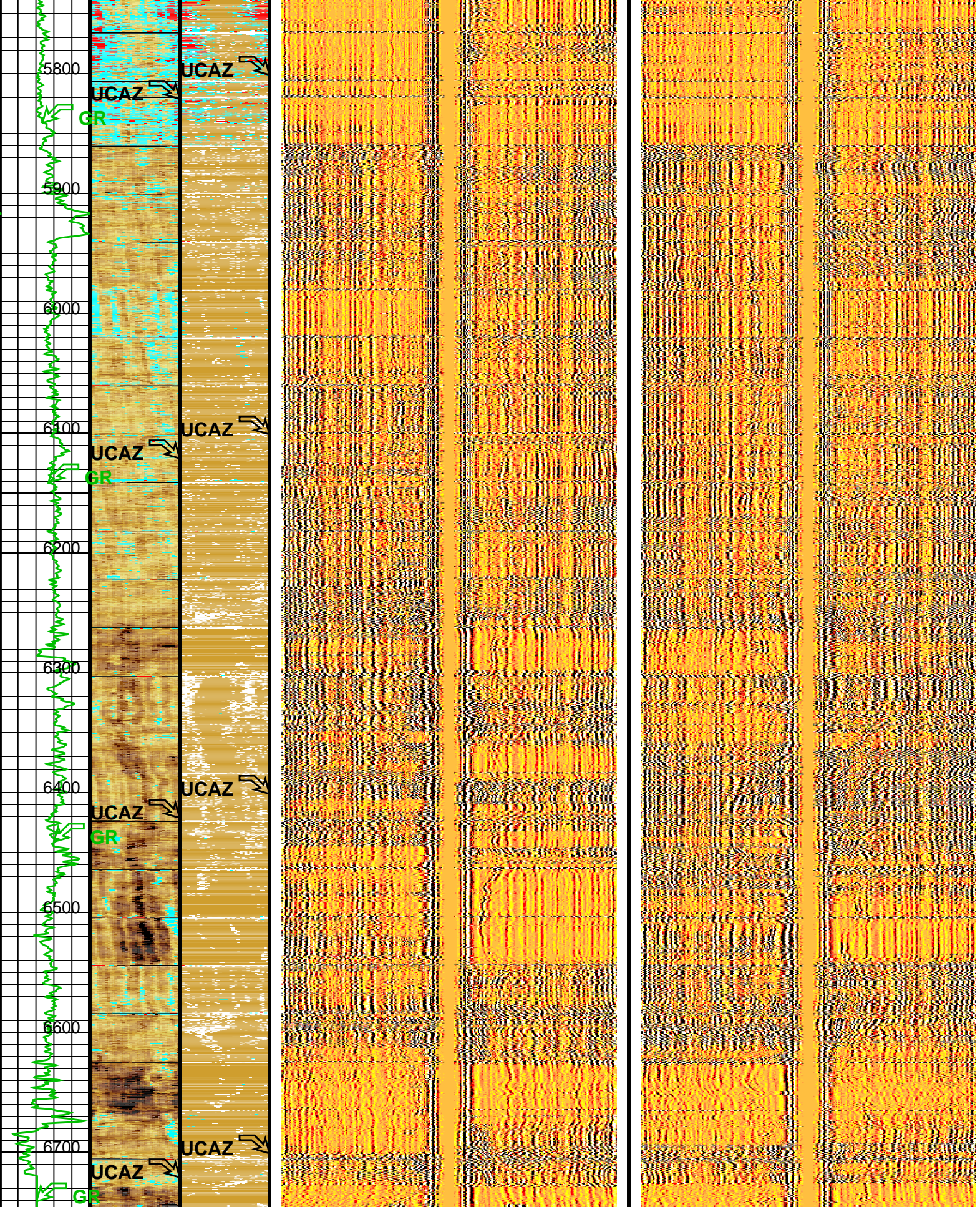


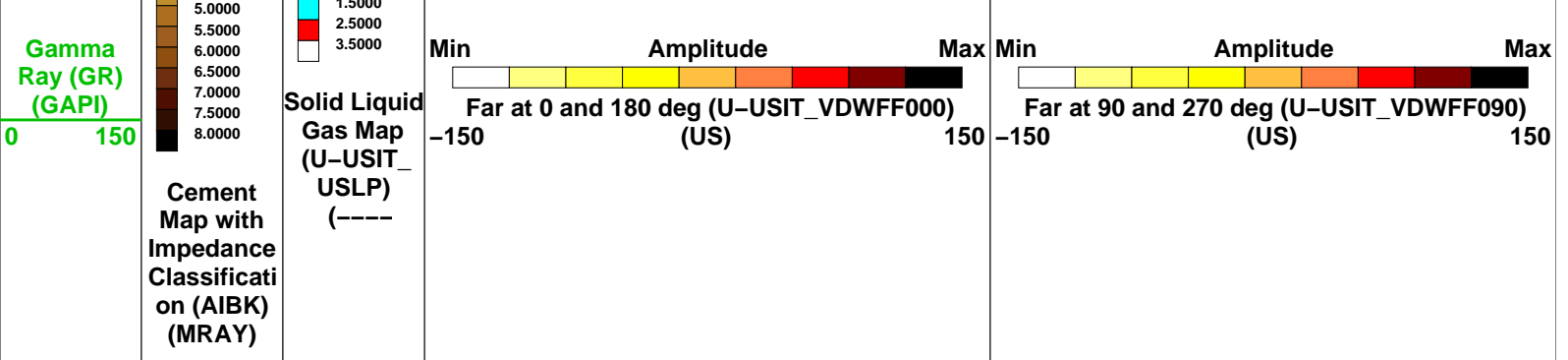












Parameters			
DLIS Name	Description	Value	
USIT-D: Ultrasonic Imaging - D			
AGMN	Minimum Gain of Cartridge	-4	DB
AGMX	Maximum Gain of Cartridge	20	DB
BERJ	Bad Echo Rejection	ON	
CDIA	Casing Outer Diameter	5.5	IN
CSDE	Casing Density	486.94	LBCF
CSID	Casing Inner Diameter	4.892	IN
DFVL	Default Fluid Velocity	193	US/F
DOT	Diameter of Transducer Sensor	1.756	IN
EMXV	EMEX Voltage	40	V
FDII	FPM Data Interpolation Interval	0	FT
IMAR	Image Rotation	OFF	
MW	Mud Weight	8.4	LB/G
RCOD	Reference Calibrator Outer Diameter	4.5	IN
RCSO	Reference Calibrator Standoff	0.8425	IN
RCTH	Reference Calibrator Thickness	0.2165	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	0.304	IN
U-USIT_CEMT	USIT Cement Type	ULTRA_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	-2	DB/M
U-USIT_UIAP	USIT IBC Answer Product Enabled	SolidLiquidGasMap	
U-USIT_UIST	Ultrasonic IBC Sonde Type	Sub_ibcs_A	
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_5_inch	
UWKM	Ultrasonic Working Mode	10DEG_6IN_136UNF_LF	
VCAS	Ultrasonic Transversal Velocity in Casing	51.4	US/F
WLEN	T^3 Processing Length	18.2297	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	2.3	MRAY
ZTGS	Acoustic Impedance Threshold for Gas	0.3	MRAY
System and Miscellaneous			
BS	Bit Size	7.875	IN
CWEI	Casing Weight	17.00	LB/F
DO	Depth Offset for Playback	-4.0	FT
PP	Playback Processing	RECOMPUTE	
Format: 1 inch IBC VDL WIDE		Vertical Scale: 1" per 100'	
		Graphics File Created: 01-May-2012 12:36	
OP System Version: 18C0-147			
USIT-D	SRPC-4072-Q4_2010_OP18_b	SGT-N	18C0-147
DTC-H	18C0-147		

Input DLIS Files

DEFAULT SPLICE_USI_018L FN:1 PRODUCER 01-May-2012 12:30 6752.0 FT 1183.5 FT

Output DLIS Files

DEFAULT USI_020PUP FN:17 PRODUCER 01-May-2012 12:36

Company: Ultra Resources Inc Well: Ponderosa 41-17 1V

Input DLIS Files

DEFAULT SPLICE_USI_018L FN:1 PRODUCER 01-May-2012 12:30 6752.0 FT 1183.5 FT

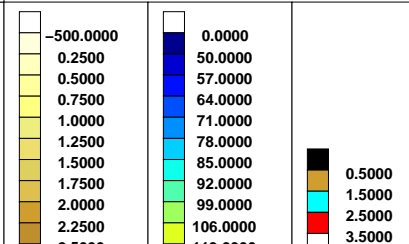
Output DLIS Files

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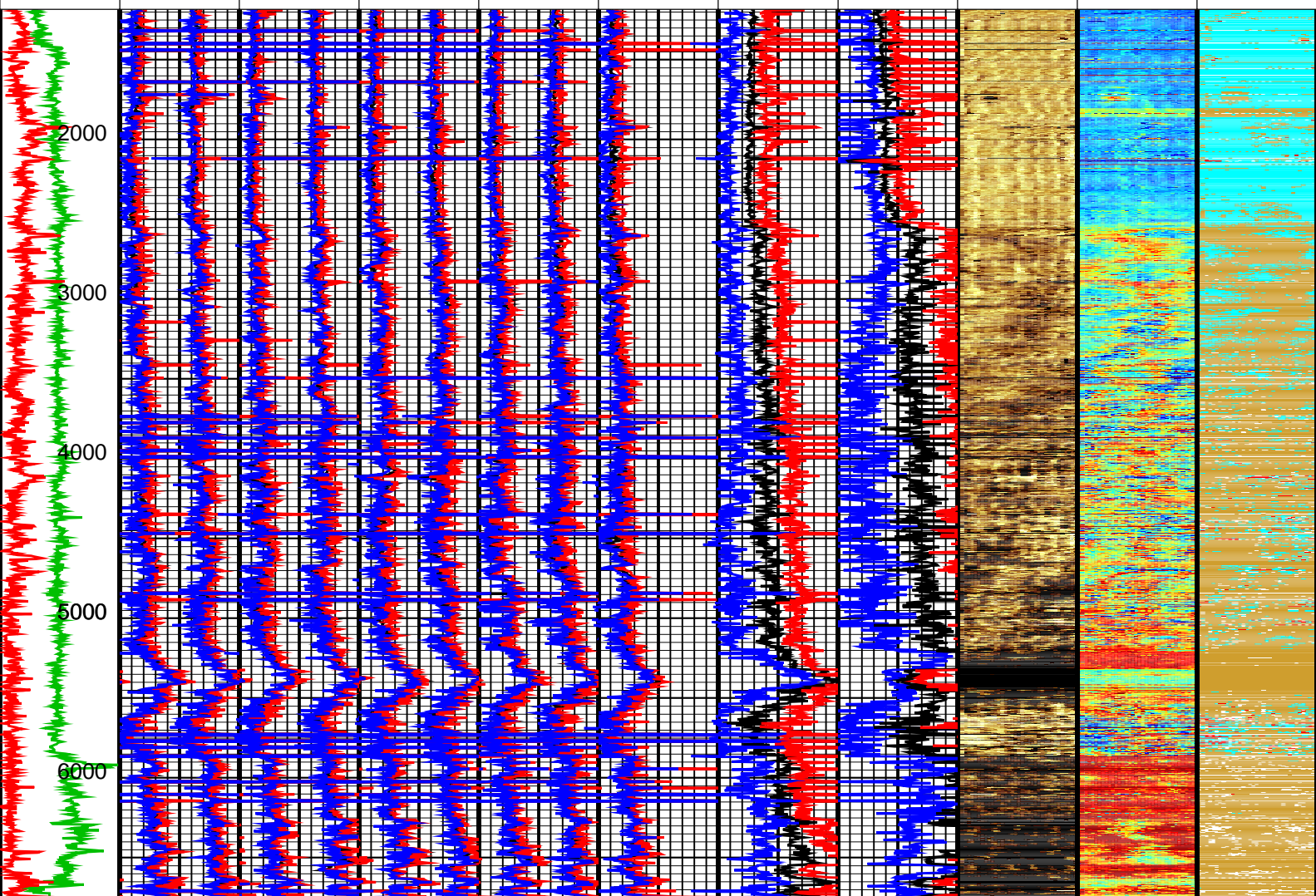
OP System Version: 18C0-147

USIT-D SRPC-4072-Q4_2010_OP18_b SGT-N 18C0-147
DTC-H 18C0-147

	Minimum Acoustic Impedance #2 (MIN_AI2) (MRAY)	Minimum Acoustic Impedance #4 (MIN_AI4) (MRAY)	Minimum Acoustic Impedance #6 (MIN_AI6) (MRAY)	Minimum Acoustic Impedance #8 (MIN_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			
	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			
	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	40 140
Gamma Ray (GR) (GAPI) 0 150	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	40 140
	Average Acoustic	Average Acoustic	Average Acoustic	Average Acoustic	Average Acoustic	Average of	Minimum Flexural



Eccent. (ECCE) 0 (IN) 0.5	Impedance #1 (AV_ AI1) (MRAY)	Impedance #3 (AV_ AI3) (MRAY)	Impedance #5 (AV_ AI5) (MRAY)	Impedance #7 (AV_ AI7) (MRAY)	Impedance #9 (AV_ AI9) (MRAY)	Average of AI (AIAV) (MRAY)	Attenuation (U-USIT_ UFAN) (DB/M)	Raw Acoustic Imped. (AIBK) (MRAY)	Flexural Attenuation (U-USIT_ UFAK) (DB/M)	Solid Liquid Gas Map (U-USIT_ USLP) (----
	0 15	0 15	0 15	0 15	0 15	0 7.5	40 140			



Eccent. (ECCE) 0 (IN) 0.5	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)	Raw Acoustic Imped. (AIBK) (MRAY)	Flexural Attenuation (U-USIT_ UFAK) (DB/M)	Solid Liquid Gas Map (U-USIT_ USLP) (----
	0 15	0 15	0 15	0 15	0 15	0 7.5	40 140			

Gamma Ray (GR) (GAPI)	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)
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0	150	AI2) (MRAY)	AI4) (MRAY)	AI6) (MRAY)	AI6) (MRAY)	AI9) (MRAY)	0	7.5	UFAV) (DB/M)	
		-7.5	7.5	-7.5	7.5	-7.5	7.5	0	15	40
	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
	0	15	0	15	0	15	0	15		
	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				
	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				
	Minimum Acoustic Impedance #2 (MIN_ AI2) (MRAY)	Minimum Acoustic Impedance #4 (MIN_ AI4) (MRAY)	Minimum Acoustic Impedance #6 (MIN_ AI6) (MRAY)	Minimum Acoustic Impedance #8 (MIN_ AI8) (MRAY)						
	-7.5	7.5	-7.5	7.5	-7.5	7.5				

Format: IBC Goodwin Compressed Vertical Scale: 0.1" per 100' Graphics File Created: 01-May-2012 12:36

OP System Version: 18C0-147

USIT-D SRPC-4072-Q4_2010_OP18_b SGT-N 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

DEFAULT SPLICE_USI_018L FN:1 PRODUCER 01-May-2012 12:30 6752.0 FT 1183.5 FT

Output DLIS Files

DEFAULT USI_020PUP FN:17 PRODUCER 01-May-2012 12:36

Schlumberger

Repeat Section

Company: Ultra Resources Inc

Well: Ponderosa 41-17 1V

Input DLIS Files

DEFAULT

USI_011LUP

FN:10

PRODUCER

01-May-2012 09:34

6750.0 FT

6458.5 FT

Output DLIS Files

DEFAULT

USI_019PUP

FN:16

PRODUCER

01-May-2012 12:34

6746.0 FT

6454.5 FT

OP System Version: 18C0-147

USIT-D

SRPC-4072-Q4_2010_OP18_b

SGT-N

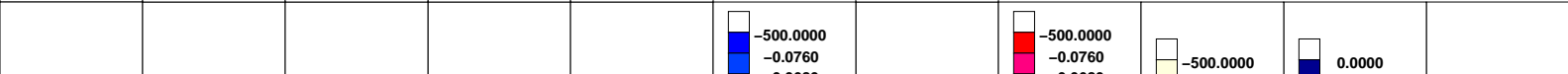
18C0-147

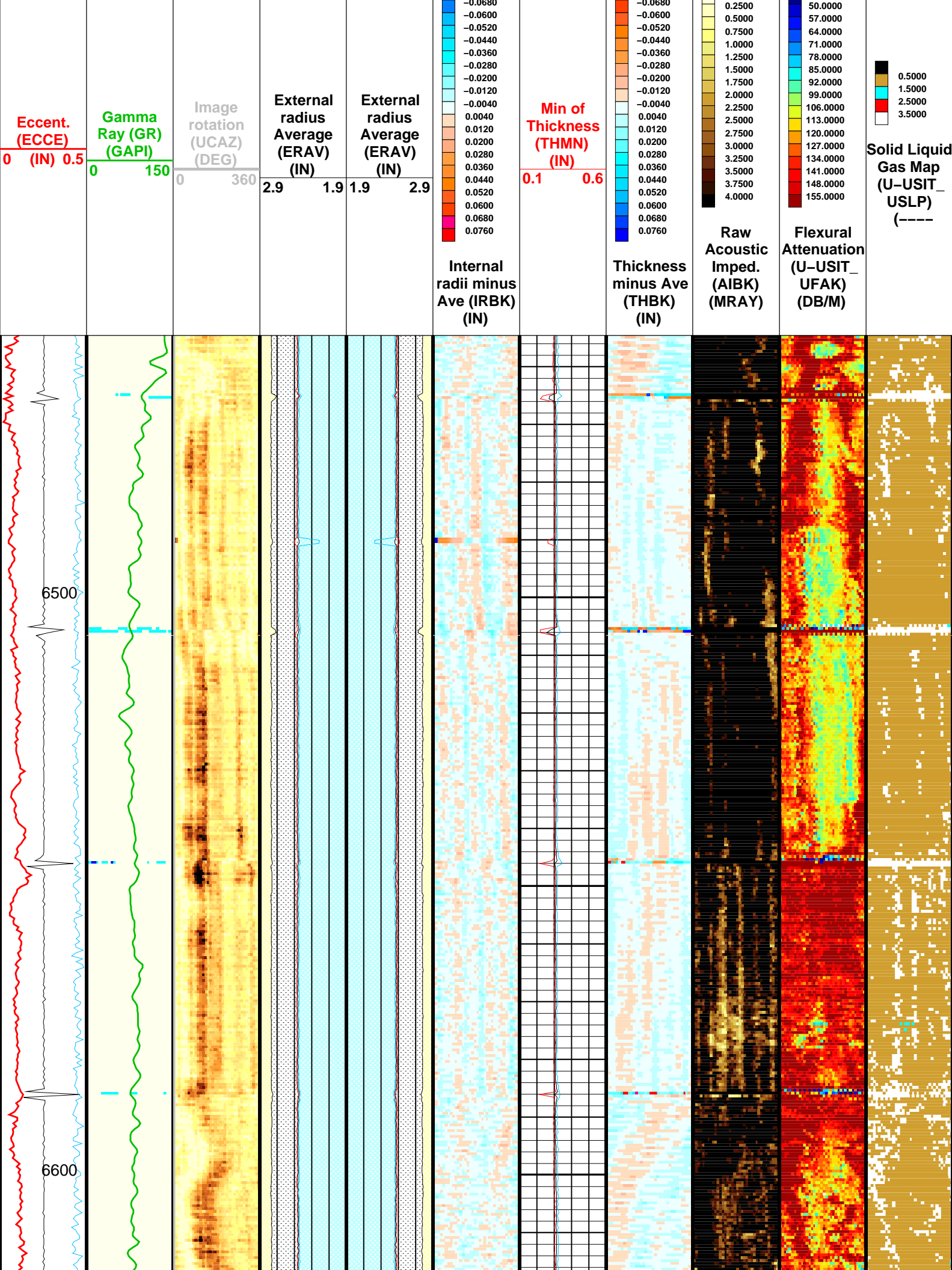
DTC-H

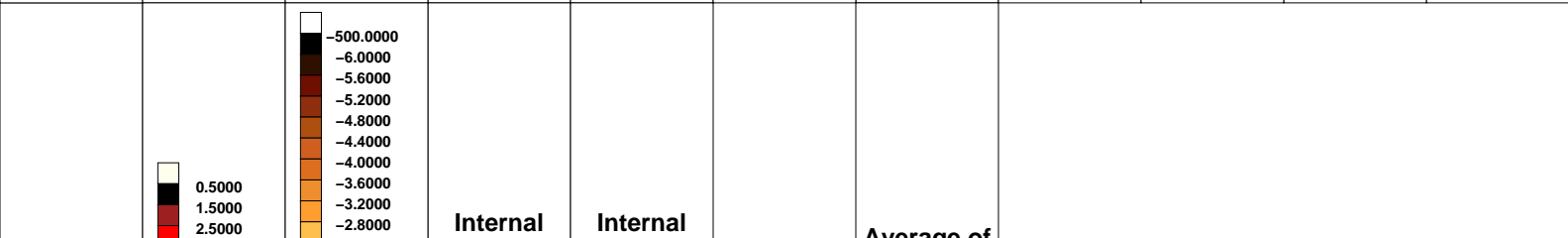
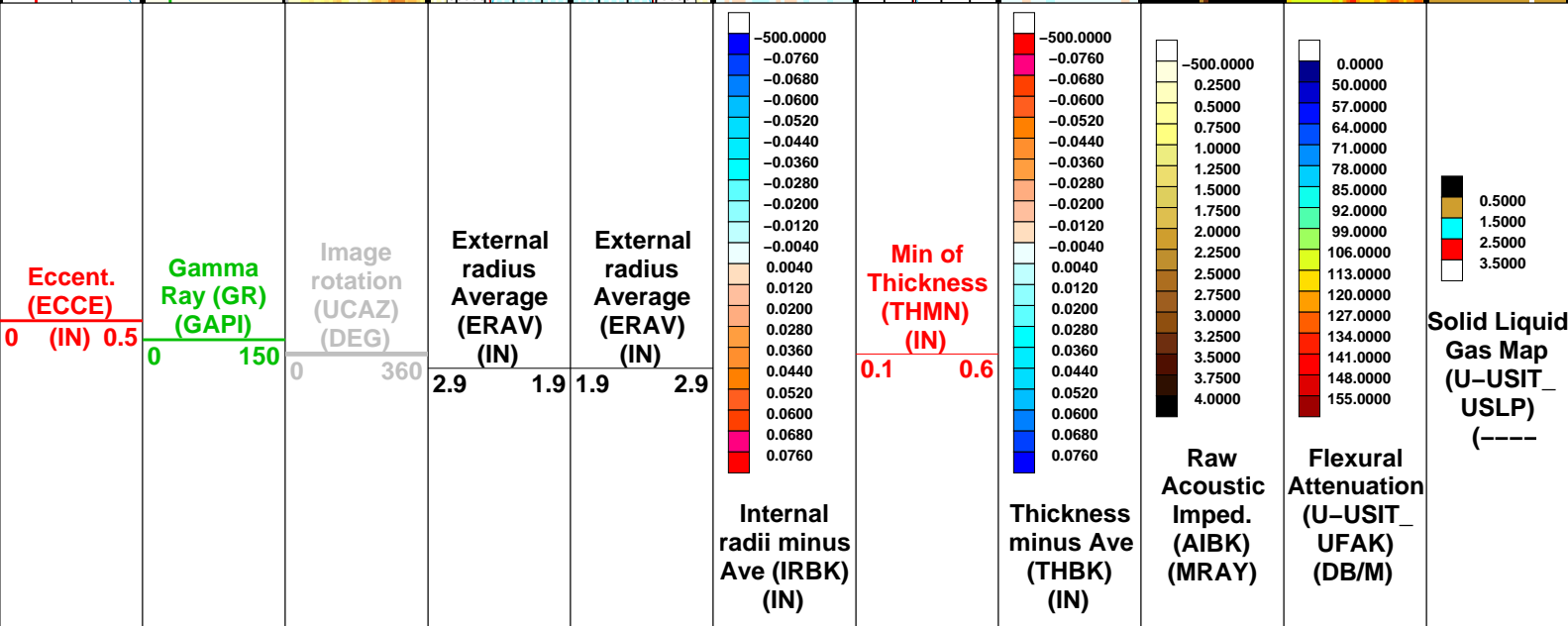
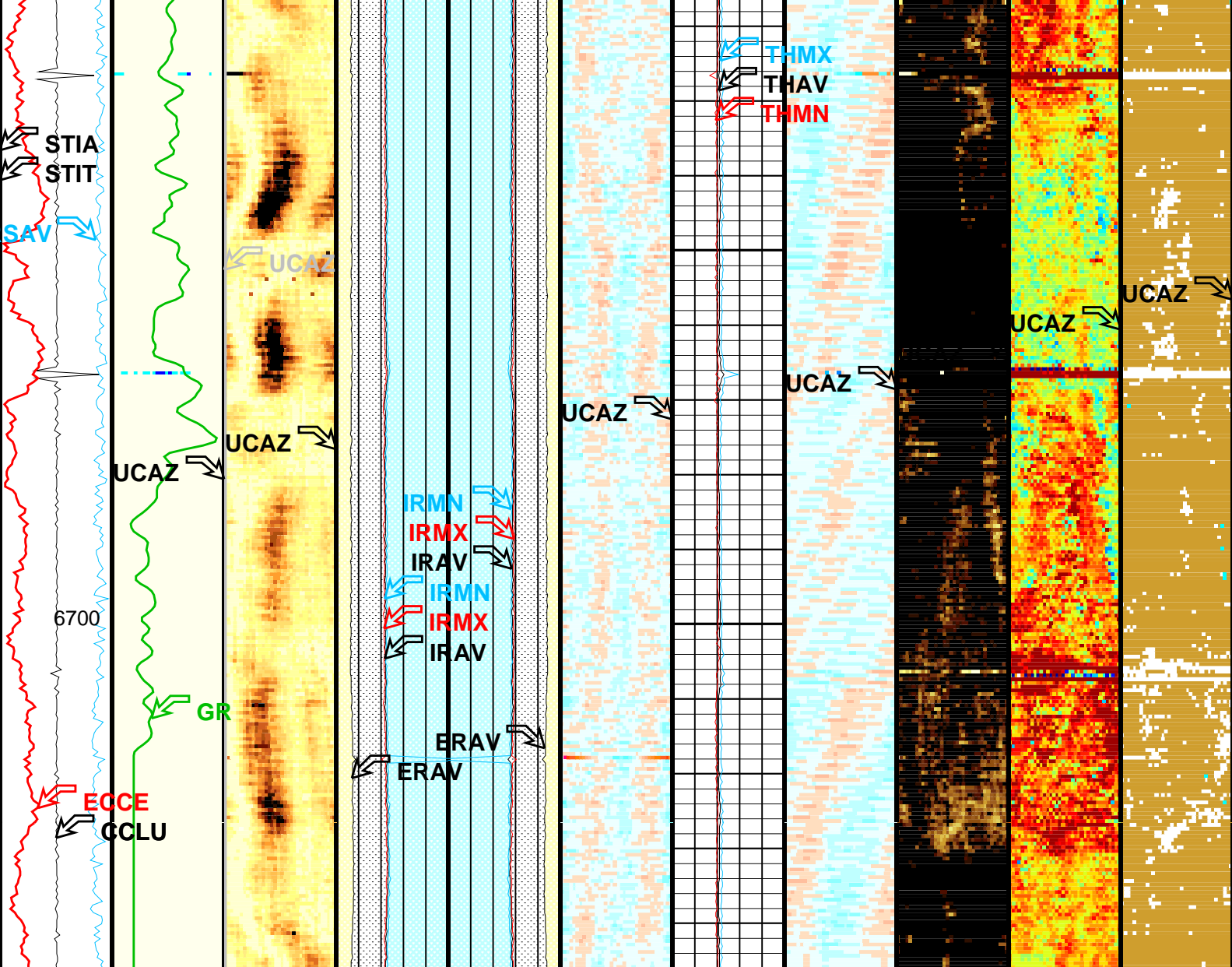
18C0-147

Changed Parameter Summary

DLIS Name		New Value		Previous Value		Depth & Time	
DFVL		193 US/F		205 US/F		6746.0 12:34:42	
<div> <div> <div>Tool/Tot. Drag From D4T to STIA</div> <div>Cable Drag From D4T to STIT</div> <div>Stuck Stretch (STIT)</div> <div>0 (F) 50</div> <div> <div>RSAV (RSAV) (RPS)</div> <div>67.5</div> </div> </div> <div> <div>CCL (CCLU) (----)</div> <div>-2020</div> <div> <div>Process. flags (UFLG) (----)</div> <div> <div> <div>0.5000</div> <div>1.5000</div> <div>2.5000</div> <div>3.5000</div> <div>6.5000</div> </div> <div> <div>Amplitude of echo minus Max (AWBK) (DB)</div> <div> <div>-500.0000</div> <div>-6.0000</div> <div>-5.6000</div> <div>-5.2000</div> <div>-4.8000</div> <div>-4.4000</div> <div>-4.0000</div> <div>-3.6000</div> <div>-3.2000</div> <div>-2.8000</div> <div>-2.4000</div> <div>-2.0000</div> <div>-1.6000</div> <div>-1.2000</div> <div>-0.8000</div> <div>-0.4000</div> <div>0.5000</div> </div> </div> </div> </div> </div></div>		<div> <div>Min of Internal radius (IRMN) (IN)</div> <div>2.91.9</div> </div> <div> <div>Min of Internal radius (IRMN) (IN)</div> <div>1.92.9</div> </div>		<div> <div>Internal radius Maximum (IRMX) (IN)</div> <div>2.91.9</div> </div> <div> <div>Internal radius Maximum (IRMX) (IN)</div> <div>1.92.9</div> </div>		<div> <div>Maximum of Thickness (THMX) (IN)</div> <div>0.10.6</div> </div> <div> <div>Average of Thickness (THAV) (IN)</div> <div>0.10.6</div> </div>	







<div>CCL (CCLU) (----</div> <div>-2020</div>	<div>3.5000 6.5000</div> <div>Process. flags (UFLG) (----</div> <div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div> <div>Amplitude of echo minus Max (AWBK) (DB)</div>	<div>radius Average (IRAV) (IN)</div> <div>2.91.9</div>	<div>radius Average (IRAV) (IN)</div> <div>1.92.9</div>	<div>Average of Thickness (THAV) (IN)</div> <div>0.10.6</div>
<div>RSAV (RSAV) (RPS)</div> <div>67.5</div>		<div>Internal radius Maximum (IRMX) (IN)</div> <div>2.91.9</div>	<div>Internal radius Maximum (IRMX) (IN)</div> <div>1.92.9</div>	<div>Maximum of Thickness (THMX) (IN)</div> <div>0.10.6</div>
<div>Stuck Stretch (STIT)</div> <div>0(F)50</div>		<div>Min of Internal radius (IRMN) (IN)</div> <div>2.91.9</div>	<div>Min of Internal radius (IRMN) (IN)</div> <div>1.92.9</div>	
<div>Cable Drag From D4T to STIT</div>				
<div>Tool/Tot. Drag From D4T to STIA</div>				

Format: 5 inch IBC CEMENT COMPOSITE
Vertical Scale: 5" per 100'
Graphics File Created: 01-May-2012 12:34

OP System Version: 18C0-147			
USIT-D DTC-H	SRPC-4072-Q4_2010_OP18_b 18C0-147	SGT-N	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			
	T^3 Processing Length for FPM	15.508	US
	Corrosion range maximum	0.076	IN
	Corrosion range minimum	–0.076	IN
AGMN	Minimum Gain of Cartridge	–4	DB
AGMX	Maximum Gain of Cartridge	20	DB
BERJ	Bad Echo Rejection	ON	
CDIA	Casing Outer Diameter	5.5	IN
CDUN	Curves Unit Declared in Presentation Manager	IN	
CSDE	Casing Density	486.94	LBCF
CSID	Casing Inner Diameter	4.892	IN
CYST	Casing Yield Strength	0	PSI
DFVL	Default Fluid Velocity	205	US/F
DOT	Diameter of Transducer Sensor	1.756	IN
EMXX	EMXX	0	IN

EMXV	EMEX Voltage	0	V
FDII	FPM Data Interpolation Interval	0	FT
FSOD	Fluid Slowness Fits Casing Outer Diameter	0_OFF	
IMAR	Image Rotation	OFF	
MW	Mud Weight	8.4	LB/G
OPLEV	USIT Remove Flagged Data Level	level2	
RCOD	Reference Calibrator Outer Diameter	4.5	IN
RCSO	Reference Calibrator Standoff	0.8425	IN
RCTH	Reference Calibrator Thickness	0.2165	IN
SDNV	Number of Vertical Samples used for Micro-debonding Computation	5	
SDTHOR	Acoustic Impedance STD Horizontal Threshold for Micro-debonding	0.5	
SDTVR	Acoustic Impedance STD Vertical Threshold for Micro-debonding	0.3	
SUBT	Ultrasonic Subassembly Type	Sub_5_inch_S	
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	0.304	IN
TMUC	Type of Mud	WBM	
U-USIT_CEMT	USIT Cement Type	ULTRA_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_RFWB	USIT Remove Flagged Data Window Begin	0	US
U-USIT_RFEW	USIT Remove Flagged Data Window End	511	US
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_UDFC	USIT Deflector for Casing	NONE	
U-USIT_UFAO	USIT Flexural Attenuation Offset	-2	DB/M
U-USIT_UFGA	Far Receiver Maximum Gain of Cartridge	48	DB
U-USIT_UFGI	Far Receiver Minimum Gain of Cartridge	-12	DB
U-USIT_UHCI	USIT IBC Hydraulic Communication Interval	06FT_02M	
U-USIT_UIAP	USIT IBC Answer Product Enabled	SolidLiquidGasMap	
U-USIT_UIST	Ultrasonic IBC Sonde Type	Sub_ibcs_A	
U-USIT_UNGA	Near Receiver Maximum Gain of Cartridge	48	DB
U-USIT_UNGI	Near Receiver Minimum Gain of Cartridge	-12	DB
U-USIT_URTP	USIT Radial Transducer Position	UNKNOWN	
U-USIT_UTAN	USIT Transducer Angles	33_DEG	
UMAO	USIT Measurement Angular Offset	-10	DEG
UPAT	Emission Pattern	Pattern_500K	
USIT_USAC_TASK_ALLOW	USIT USAC Allow Task after Power Up	YES	
USIT_USAC_TASK_TIMEOUT	USIT USAC Task Timeout (in seconds) FOR TEST REPORT	600	
USTO	Ultrasonic Time Offset	-2	US
USUB	Ultrasonic Subassembly Identifier	Sub_5_inch	
UWKM	Ultrasonic Working Mode	10DEG_6IN_136UNF_LF	
VCAS	Ultrasonic Transversal Velocity in Casing	51.4	US/F
WLEN	T^3 Processing Length	18.2297	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	2.3	MRAY
ZTGS	Acoustic Impedance Threshold for Gas	0.3	MRAY
SGT-N: Scintillation Gamma Ray Tool - N			
BHS	Borehole Status	CASED	
BHT	Bottom Hole Temperature (used in calculations)	160	DEGF
DPPM	Density Porosity Processing Mode	STAN	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	68	DEGF
SOGT	SGT Standoff Distance	0	IN
FEQL: Formation Evaluation Quick Look			
CSXO	Coefficient of Sxo	1	
DLLM	DPOR Lower Limit for Mineral Detection	0.35	CFCF
EDSE	EPT Data Selector	STANDARD	
FEPT	EPT Option Flag	NONE	
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
FPHI	Form Factor Porosity Source	DPHI	
GDCL	Grain Density Clean Reading	0	G/C3
GDSH	Grain Density Shale Reading	2.9	G/C3
GRCL	Gamma Ray Clean Reading	0	GAPI
GRSH	Gamma Ray Shale Reading	200	GAPI

GULM	Gamma Ray Upper Limit for Mineral Detection	999	GAPI
KGR	Kill GR Shale Index (USE, KILL)	USE	
KPN	Kill NPES Shale Index (USE, KILL)	USE	
KRH	Kill RHGA Shale Index (USE, KILL)	USE	
KSP	Kill SP Shale Index (USE, KILL)	USE	
LSWB	SWB Limit Selector (NO_LIMIT, LIMIT)	NO_LIMIT	
MDET	Mineral Flag (NONE, COAL, SALT)	NONE	
NLIM	Neutron Limit for Mineral Detection	0.01	CFCF
NPCL	NPES Clean Reading	0	CFCF
NPSH	NPES Shale Reading	0.5	CFCF
RWB	Bound Water Resistivity	0.1	OHMM
RXOF	RXO Presence Flag	ABSENT	
SDGC	Clean Grain Density Selector	GDCL	
SEXP	N in Water Saturation Equation	2	
SIS	Three Mineral Shale Index Selector	NOT_USED	
SPCL	SP Clean Reading	-200	MV
SPSB	SP Shale Baseline	0	MV
SPSH	SP Shale Reading	0	MV
SWMN	Sw Minimum	0.05	CFCF
TPCN	Time Propagation of non-shale	7.2	NS/M
TPM1	Time Propagation, Matrix-1 <Limestone>	9.8	NS/M
TPM2	Time Propagation, Matrix-2 <Sandstone>	7.2	NS/M
TPM3	Time Propagation, Matrix-3 <Dolomite>	8.7	NS/M
TPSH	Time Propagation of Shale	8.9	NS/M
HOLEV: Integrated Hole/Cement Volume			
BHS	Borehole Status	CASED	
BHT	Bottom Hole Temperature (used in calculations)	160	DEGF
FCD	Future Casing (Outer) Diameter	0	IN
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HVCS	Integrated Hole Volume Caliper Selection	AUTOMATIC	
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	68	DEGF
PERT: Preliminary Evaluation - Real Time			
ARTS	AIT Rt Selection (for ALLRES computation)	AIT_TwoResA60	
BDPS	Bulk Density Processing Selector	Standard	
BHS	Borehole Status	CASED	
BHT	Bottom Hole Temperature (used in calculations)	160	DEGF
CLIM	Caliper Limit for Bad Hole	999	IN
CNPS	Corrected Neutron Porosity Selector	NPHI	
DRUL	DRHO Upper Limit	999	G/C3
FCAL	Caliper Presence Flag	PRESENT	
FCGR	CGR Presence Flag	PRESENT	
FEXP	Form Factor Exponent	2	
FLDT	Bulk Density Presence Flag	PRESENT	
FNUM	Form Factor Numerator	1	
FPHI	Form Factor Porosity Source	DPHI	
FSON	Sonic Presence Flag	ABSENT	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
PMAX	PHI Maximum	0.5	CFCF
POUT	Porosity Output Lithology	LIMESTONE	
RG21	RHO Grain (2-Mineral Model, Min-1)	2.71	G/C3
RG22	RHO Grain (2-Mineral Model, Min-2)	2.644	G/C3
RG23	RHO Grain (2-Mineral Model, Min-3)	2.877	G/C3
RG31	RHO Grain (3-Mineral Model, Min-1)	2.71	G/C3
RG32	RHO Grain (3-Mineral Model, Min-2)	2.644	G/C3
RG33	RHO Grain (3-Mineral Model, Min-3)	2.877	G/C3
RTCO	RTCO - Rt Invasion Correction	YES	
RTLF	RT Limit Flag	NO_LIMIT	
RWF	Resistivity of Free Water	0.02	OHMM
SHT	Surface Hole Temperature	68	DEGF
UF	U Fluid	0.398	
UM21	U Matrix (2-Mineral Model, Min-1)	13.77	
UM22	U Matrix (2-Mineral Model, Min-2)	4.779	
UM23	U Matrix (2-Mineral Model, Min-3)	8.997	
UM31	U Matrix (3-Mineral Model, Min-1)	13.77	
UM32	U Matrix (3-Mineral Model, Min-2)	4.779	
UM33	U Matrix (3-Mineral Model, Min-3)	8.997	
STI: Stuck Tool Indicator			
LBFR	Trigger for MAXIS First Reading Label	TDL	
STKT	STI Stuck Threshold	2.5	FT
TDD	Total Depth - Driller	6935.00	FT
TDL	Total Depth - Logger	6935.00	FT
System and Miscellaneous			
ALTDPCHAN	Name of alternate depth channel	SpeedCorrectedDepth	

ALTDPC	Name of alternate depth channel	SpeedCorrectedDepth	7.875	IN
BS	Bit Size		-50000.00	PPM
BSAL	Borehole Salinity		5.500	IN
CSIZ	Current Casing Size		17.00	LB/F
CWEI	Casing Weight		8.40	LB/G
DFD	Drilling Fluid Density		-4.0	FT
DO	Depth Offset for Playback		0.00	FT
FLEV	Fluid Level		-50000.00	DEGF
MST	Mud Sample Temperature		NO	
PBVSADP	Use alternate depth channel for playback		RECOMPUTE	
PP	Playback Processing		-50000.0000	OHMM
RMFS	Resistivity of Mud Filtrate Sample		1.0000	OHMM
RW	Resistivity of Connate Water		6935	FT
TD	Total Depth		100.00	DEGF
TWS	Temperature of Connate Water Sample			

Input DLIS Files					
DEFAULT	USI_011LUP	FN:10	PRODUCER	01-May-2012 09:34	6750.0 FT 6458.5 FT
Output DLIS Files					
DEFAULT	USI_019PUP	FN:16	PRODUCER	01-May-2012 12:34	

