

DISCLAIMER

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OTHER SERVICES1
 OS1: FMS
 OS2: DITE
 OS3: Caliper (HLDS)
 OS4:
 OS5: HNGS

OTHER SERVICES2
 OS1:
 OS2:
 OS3:
 OS4:
 OS5:

REMARKS: RUN NUMBER 1
 Hole was drilled with a 9 7/8" RCB bit to TDD of 1133 mbrf.
 Tools bridged at 737mbrf, and logs obtained from that depth and up to drillpipe and seafloor.
 Phasor Induction resistivity not valid inside drill pipe.
 HLDS density not available as density source was not installed per IODP request due to poor hole conditions to reduce risk.
 Downlog used for repeat section.
 All logs recorded via wireline thru 5-5.5" drillpipe and RCB coring BHA consisting of a bit release sub, Kinley sub, drill collars. The bit was released at TD prior to logging.
 GCSE set to LCAL where HLDS Caliper is opened.
 UBI run in 250khz, 180 radial sample rate, 0.4 inch vertical resolution.

REMARKS: RUN NUMBER 2

RUN 1		
SERVICE ORDER #:		
PROGRAM VERSION:	19C0-187	
FLUID LEVEL:	0 m	
LOGGED INTERVAL	START	STOP

RUN 2		
SERVICE ORDER #:		
PROGRAM VERSION:		
FLUID LEVEL:		
LOGGED INTERVAL	START	STOP



EQUIPMENT DESCRIPTION

RUN 1

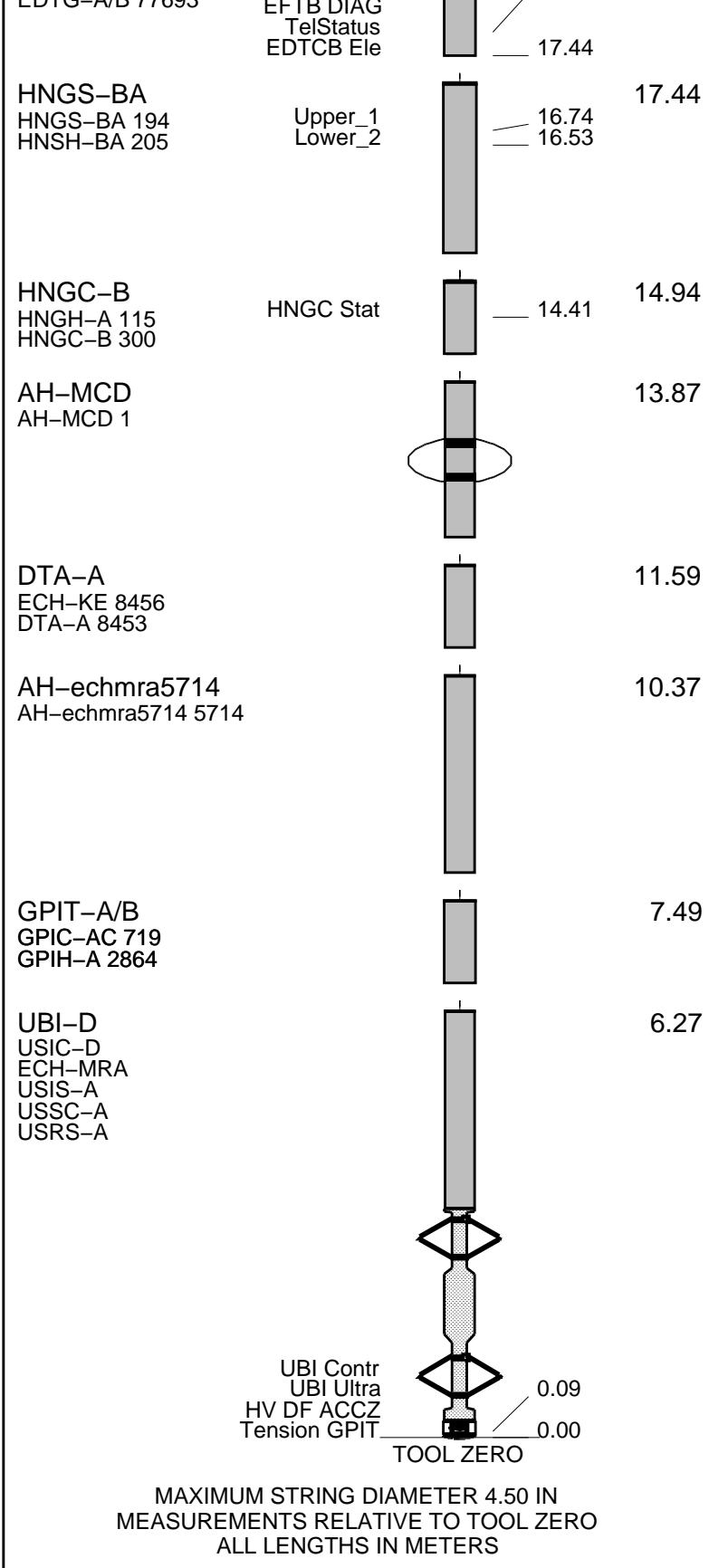
SURFACE EQUIPMENT

GSR-U 616008
 WITM (EDTS)-A 1

DOWNHOLE EQUIPMENT

LEH-MT LEH-MT 101		20.38
MDSB_EDTC Mud Tempe		19.42
EDTC-B EDTH-B 8528 EDTC-B 8529 EDTC A/B 77603	CTEM Gamma Ray	19.42
		18.35 17.78

RUN 2



Production String	(in)	(M)	Well Schematic	(M)	(in)	Casing String
	OD	ID		MD	MD	

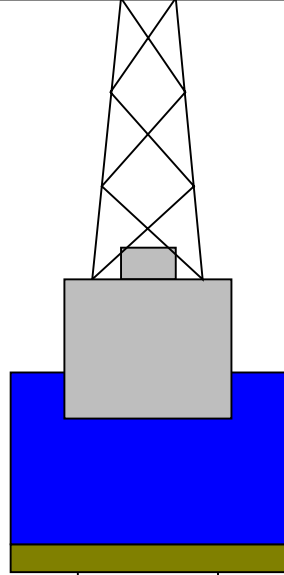
Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

-551

-551

-540



0

7.75

4.1

Sea Floor



0

8.25

3.80

Sea Floor

103

9.875

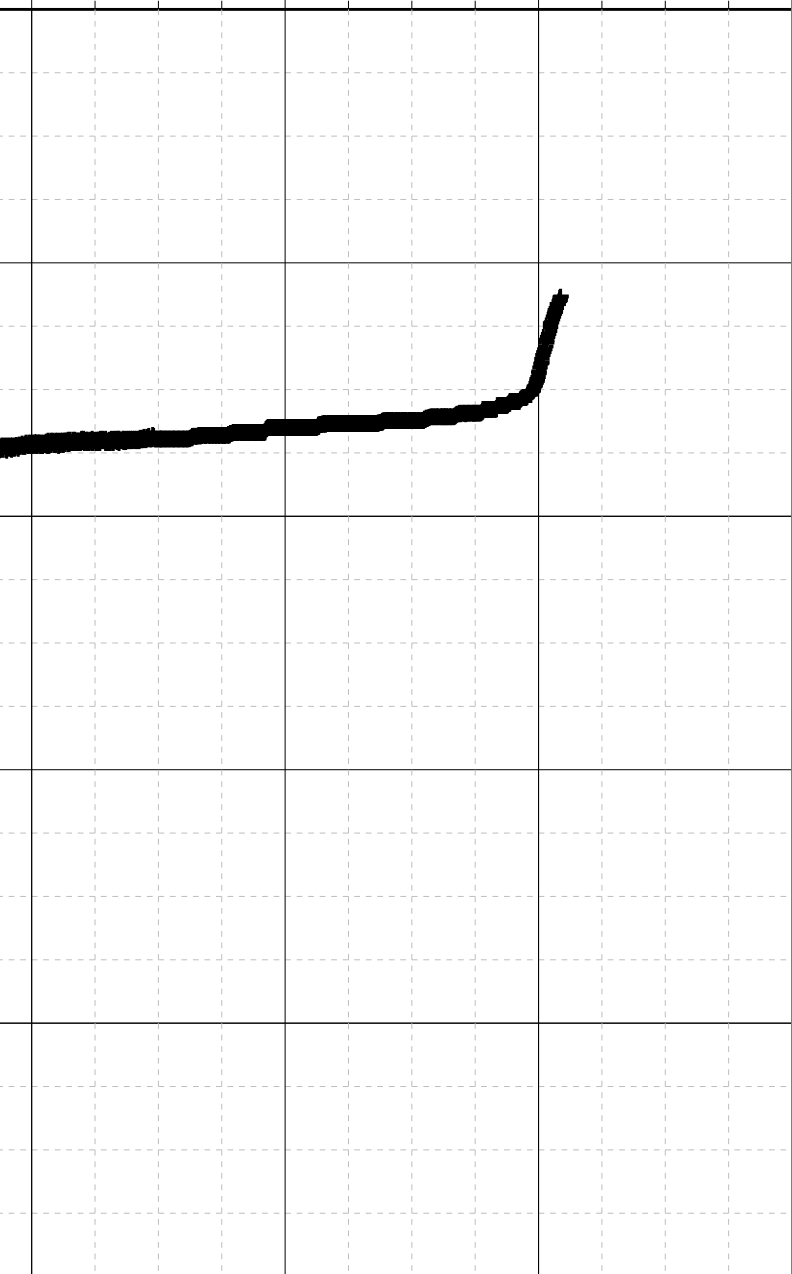
Open Hole

582.2

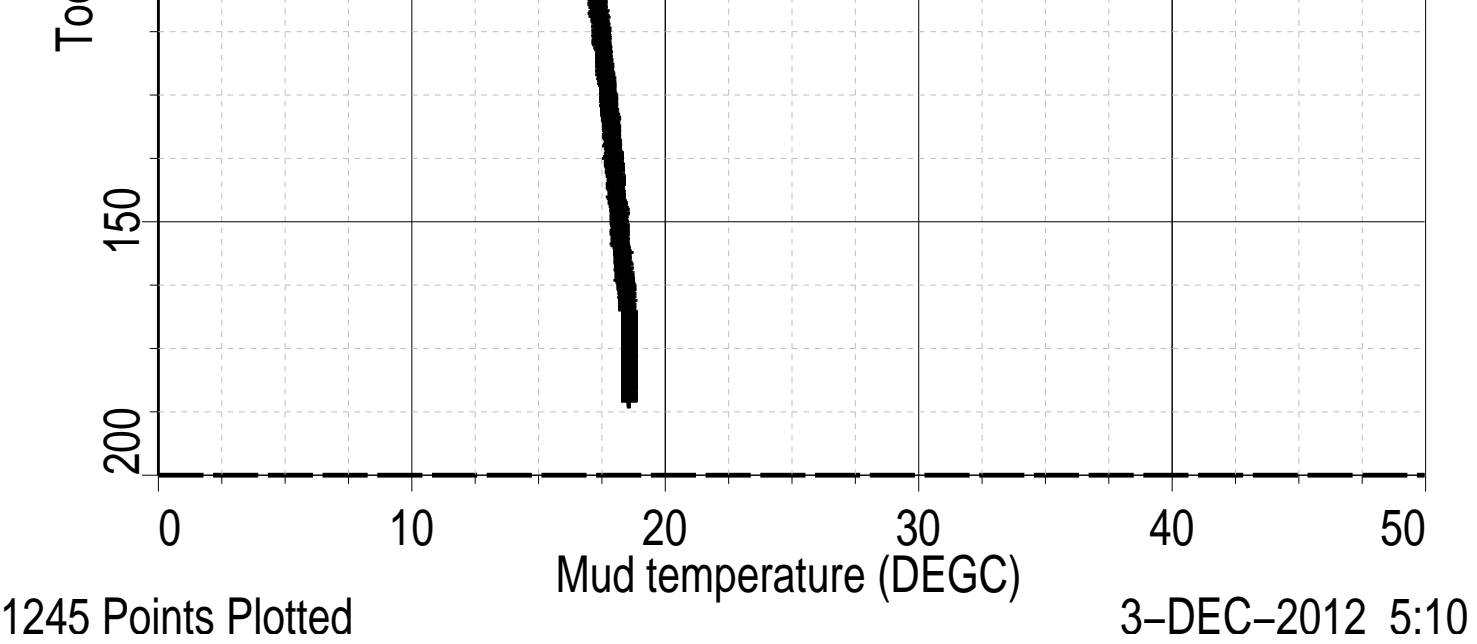
Total Depth

ol Depth (TDEP) (M)

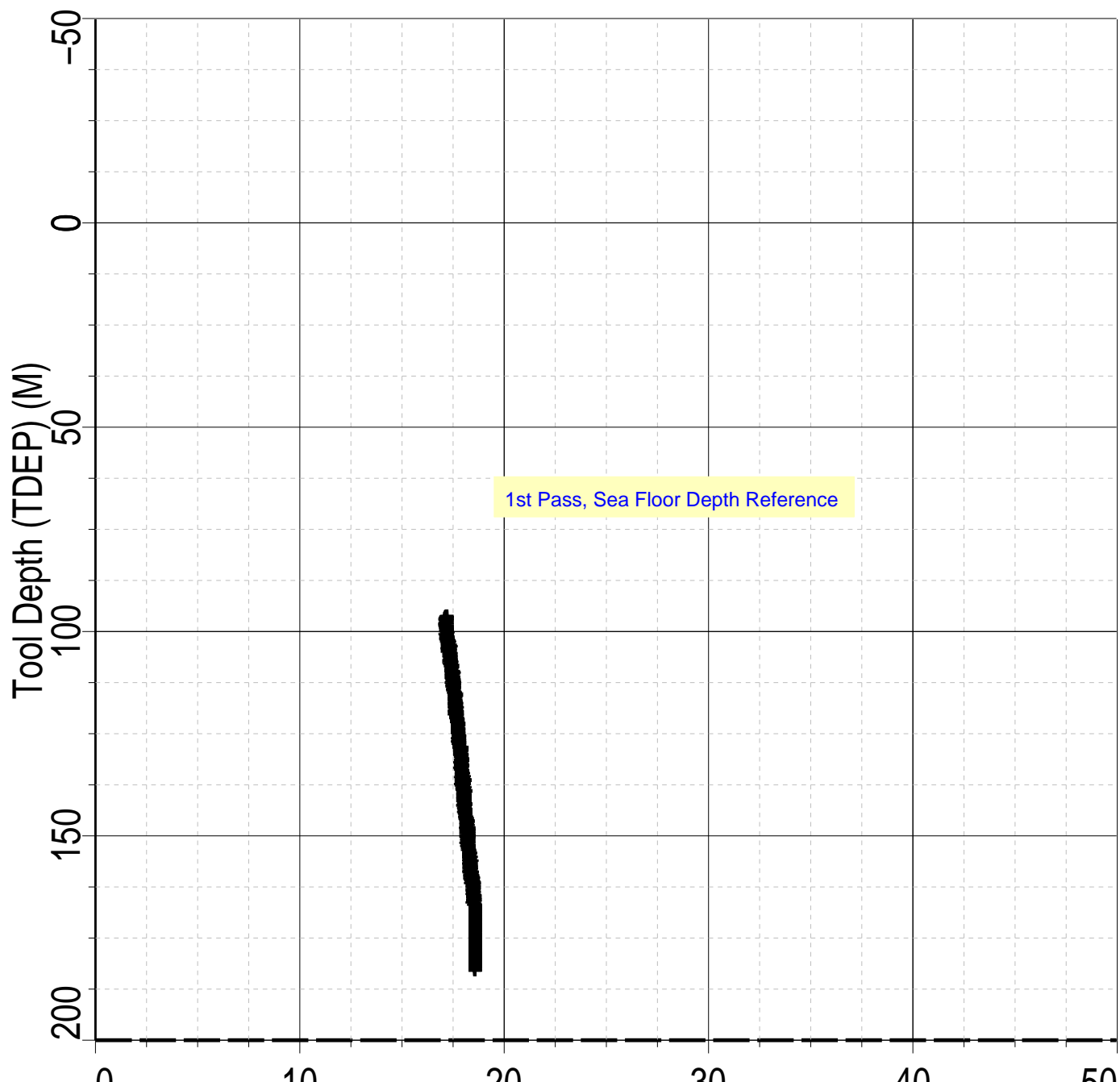
100 50 0 -50



Index: 185.2 -- -4.4 M



Index: 182.9 - 96.0 M

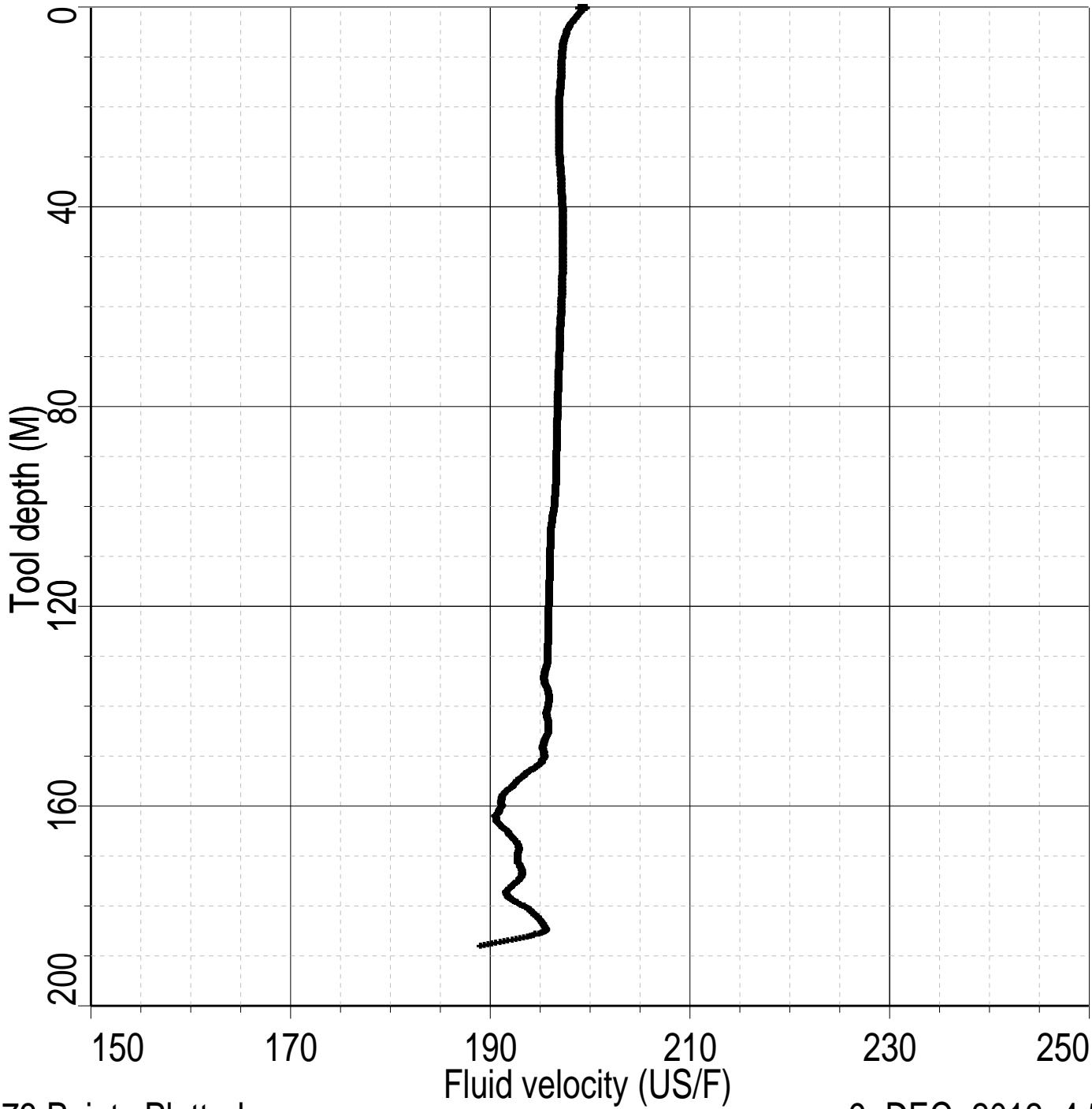


571 Points Plotted

Mud temperature (DEGC)

3-DEC-2012 5:09

Index: 187.9 - -127.9 M



2073 Points Plotted

9-DEC-2012 4:54

Company: Lamont Doherty

Well: Expedition 344, Site U1413C

Input DLIS Files

DEFAULT	UBI_NGS_023LUP	FN:38	PRODUCER	30-Nov-2012 23:00	736.1 M	545.5 M
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Output DLIS Files

DEFAULT	UBI_NGS_074PUP	FN:102	PRODUCER	03-Dec-2012 05:09	185.2 M	-4.4 M
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OP System Version: 19C0-187

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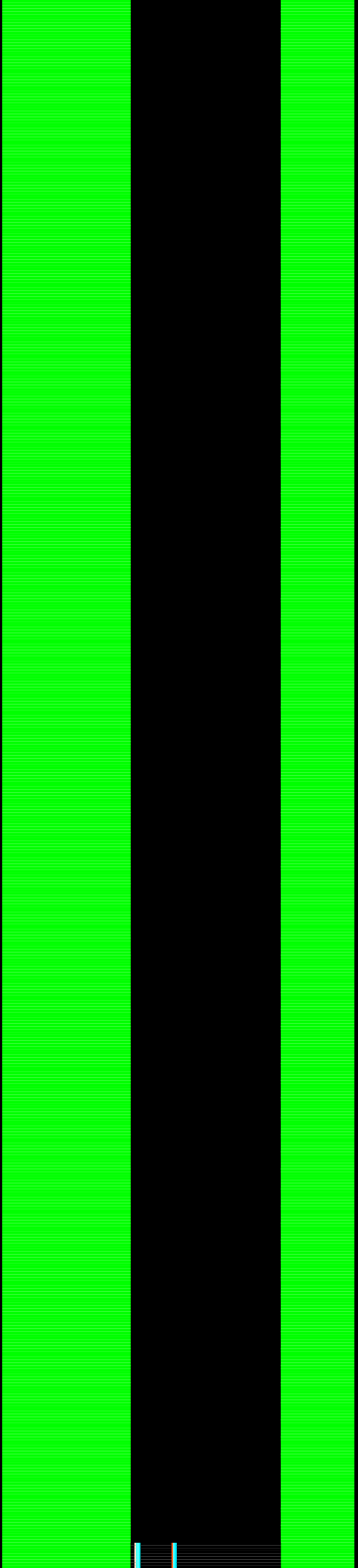
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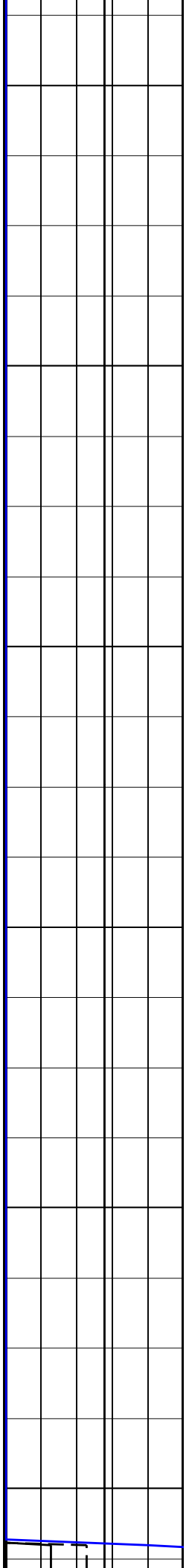
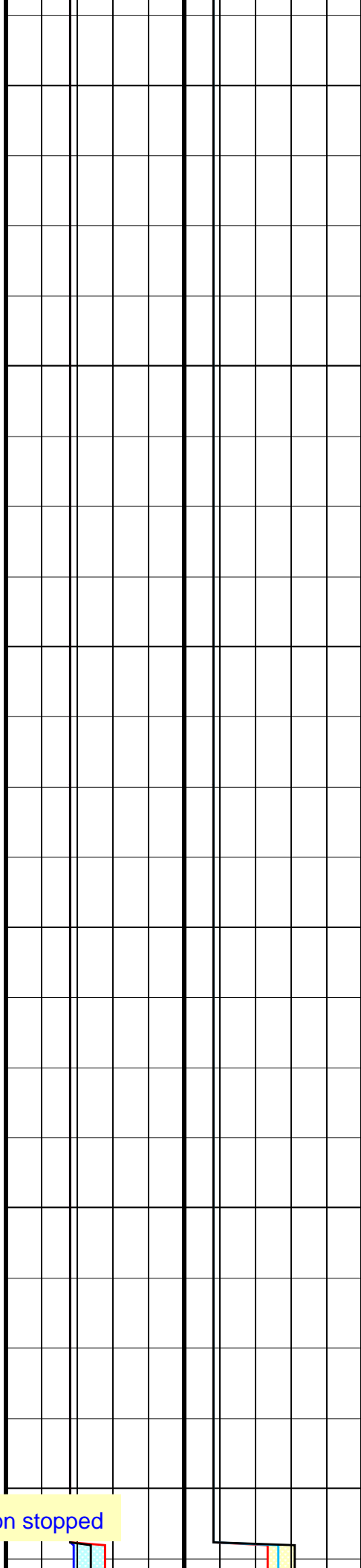
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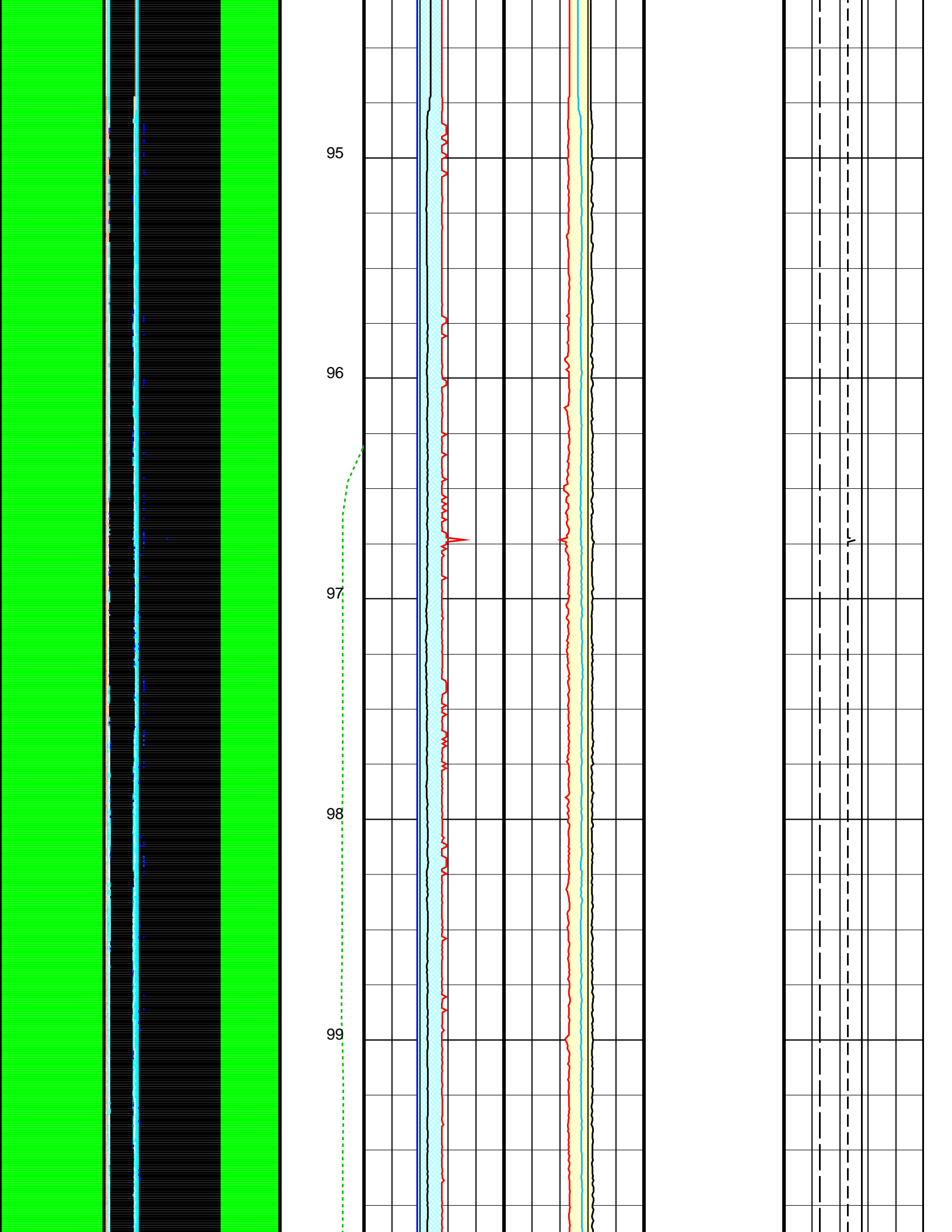
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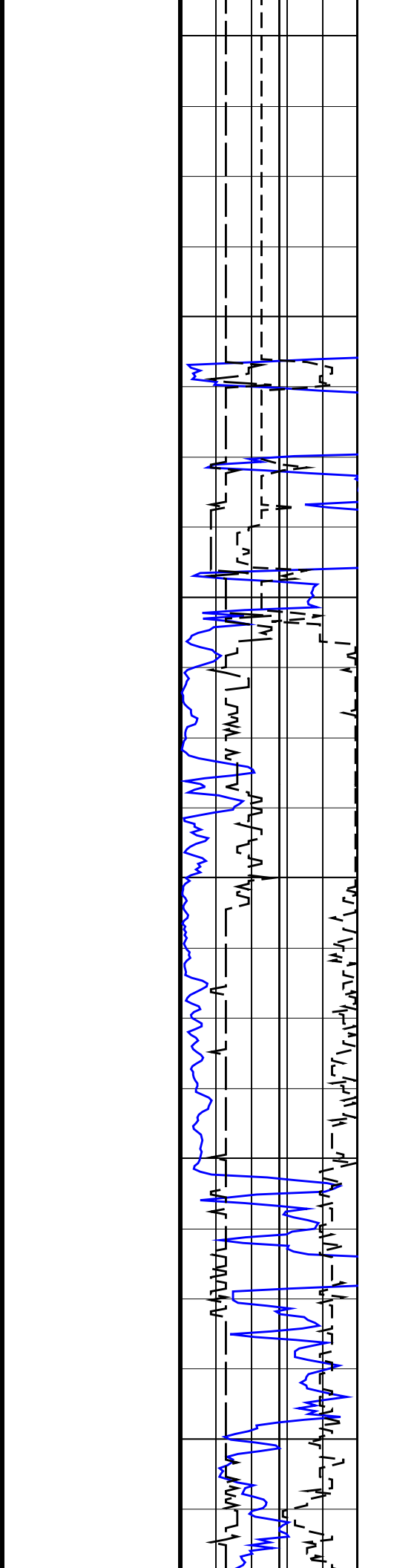
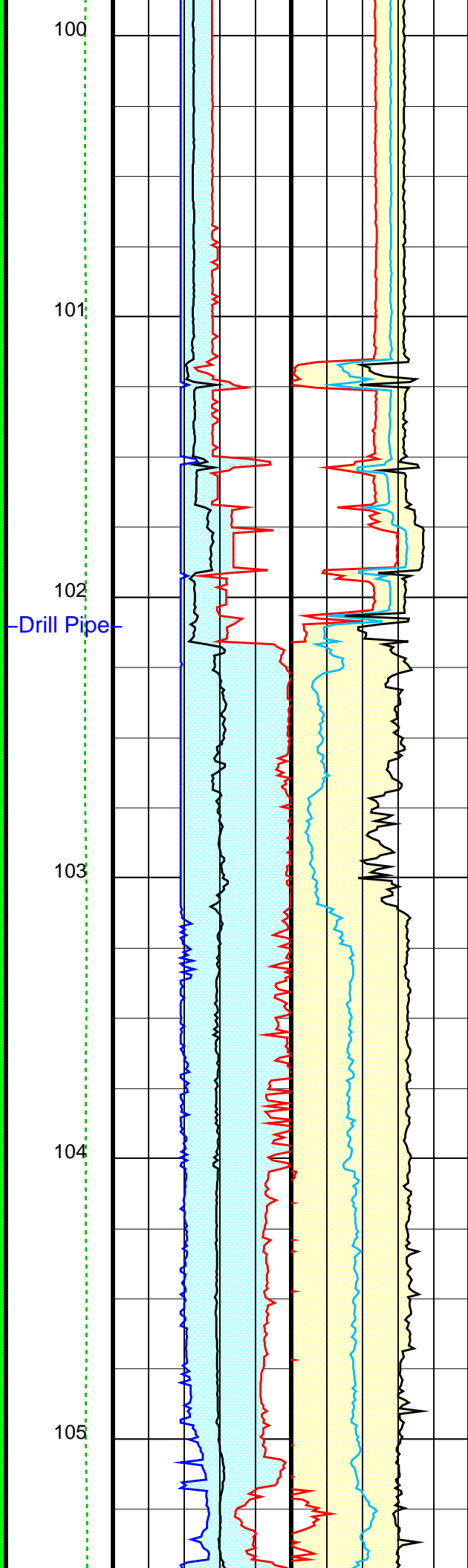
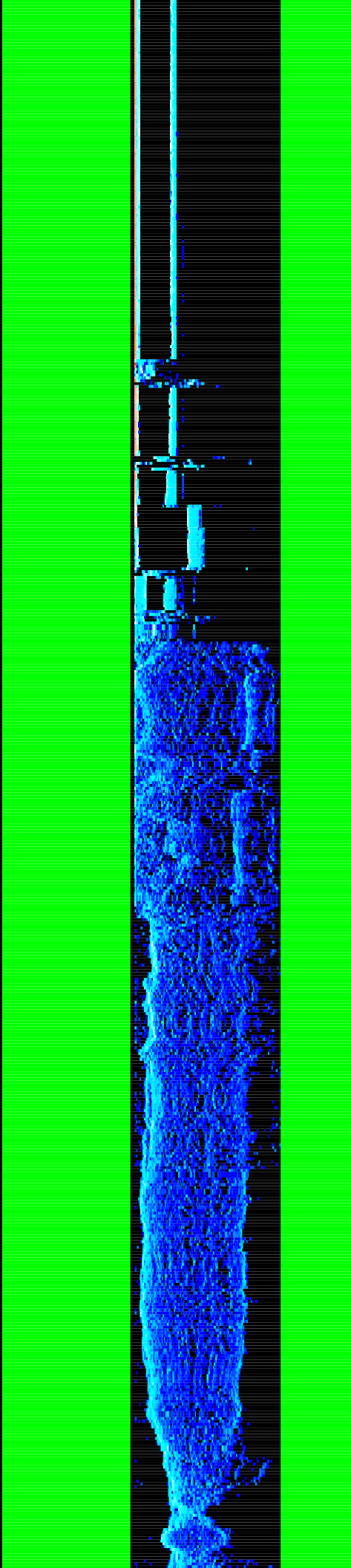
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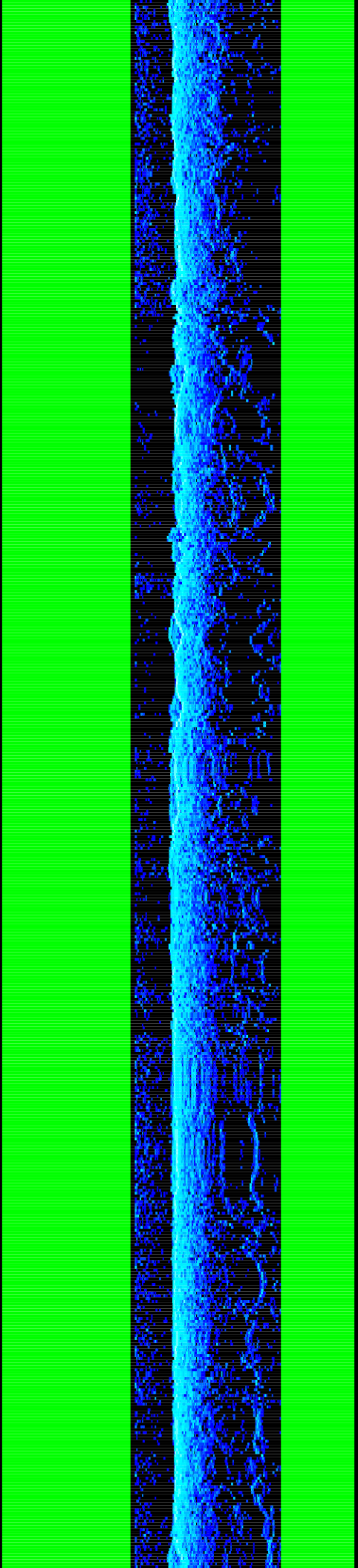
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Rotation stopped









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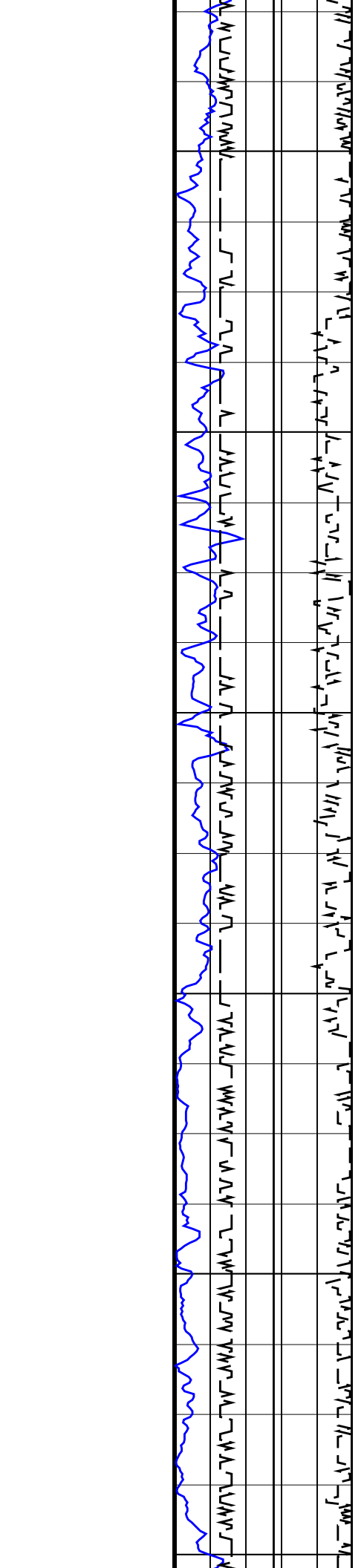
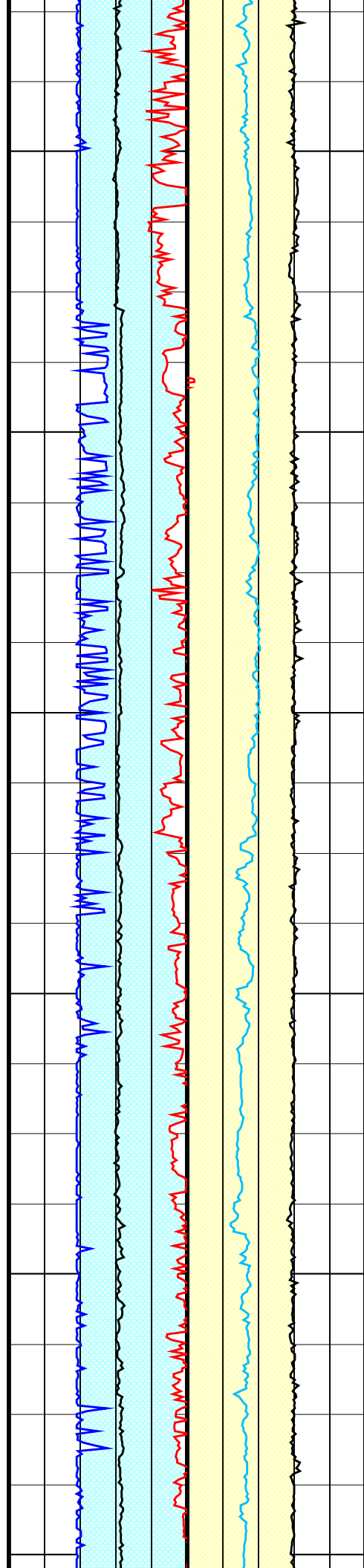
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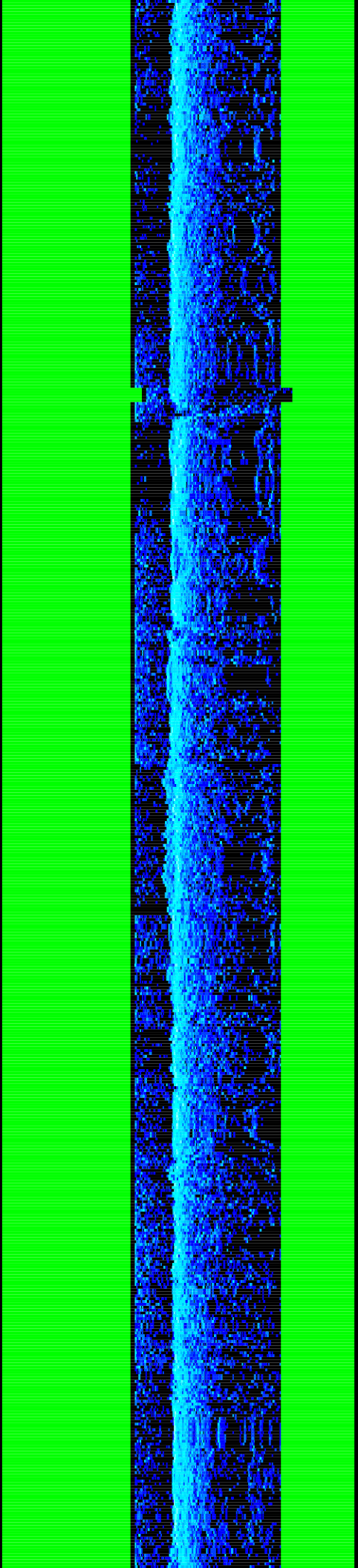
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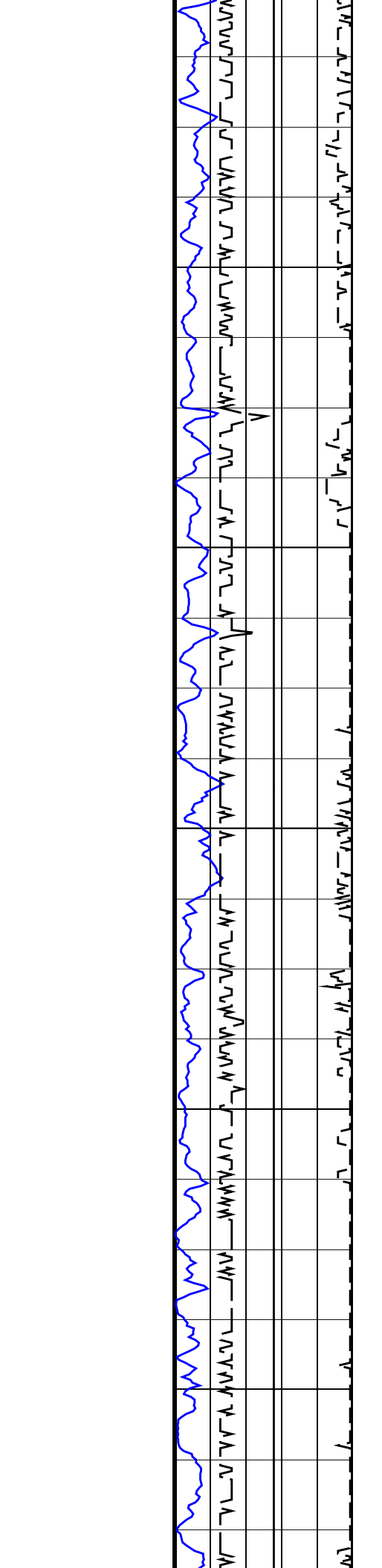
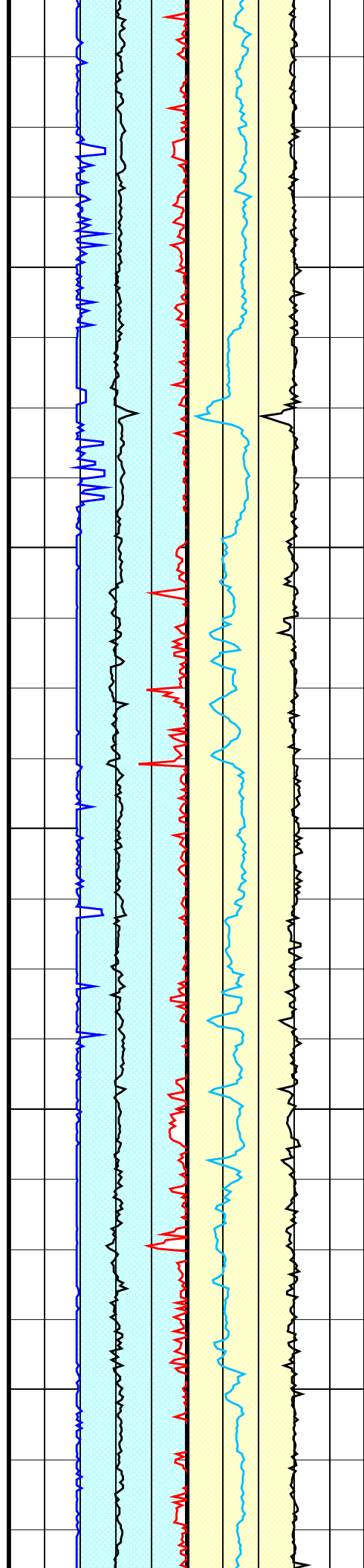
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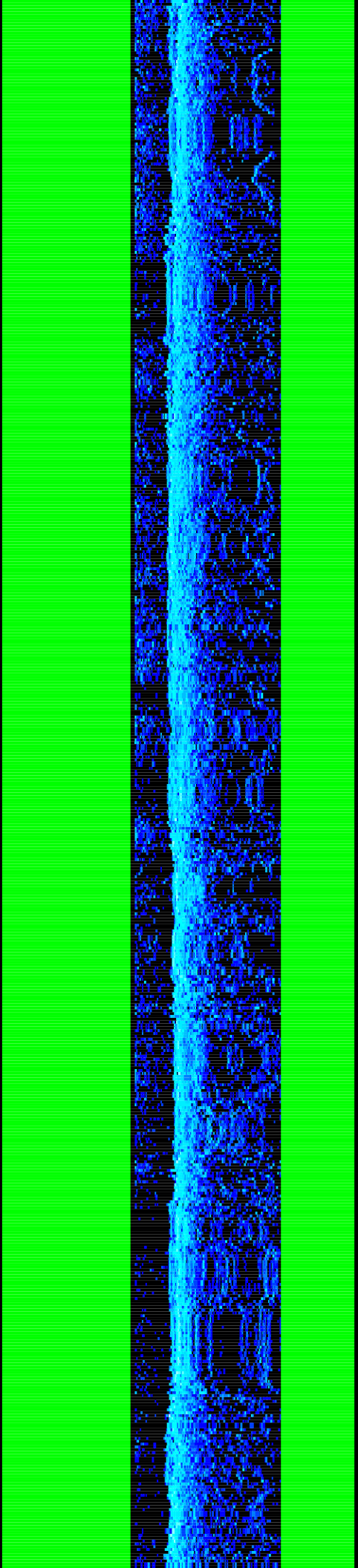
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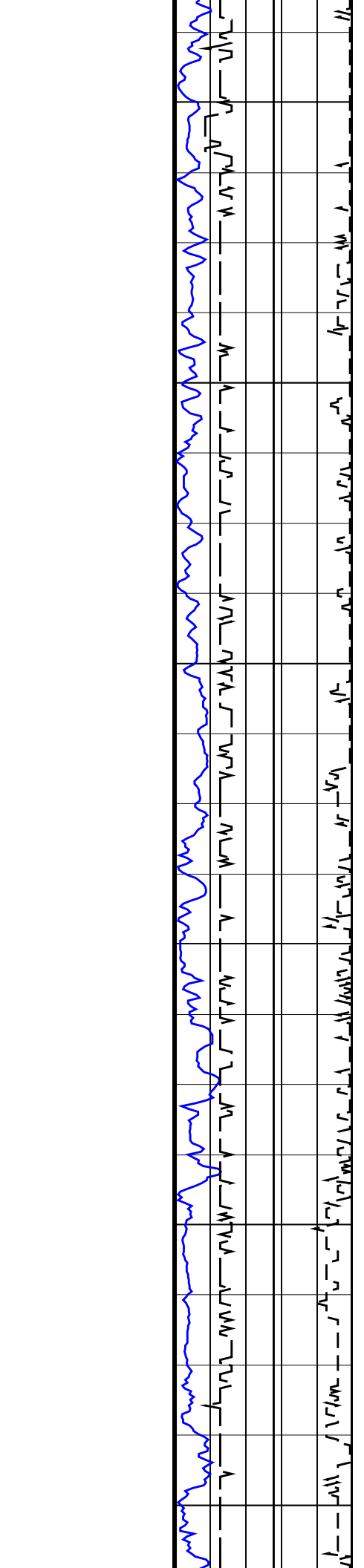
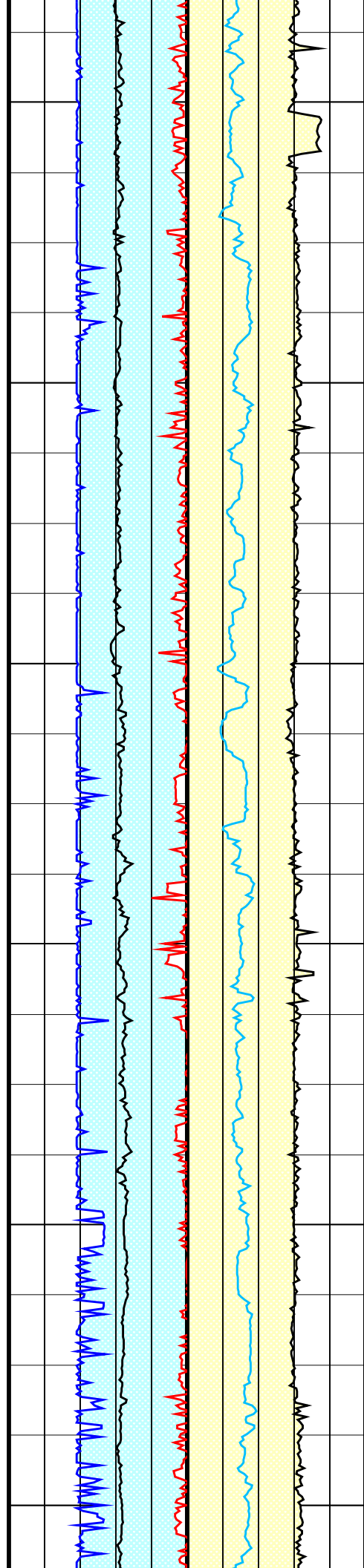
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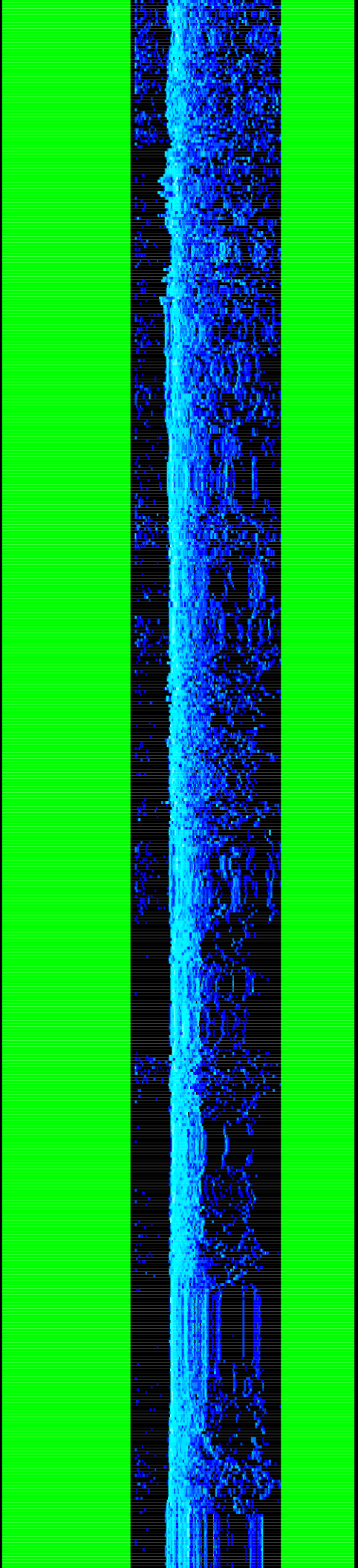
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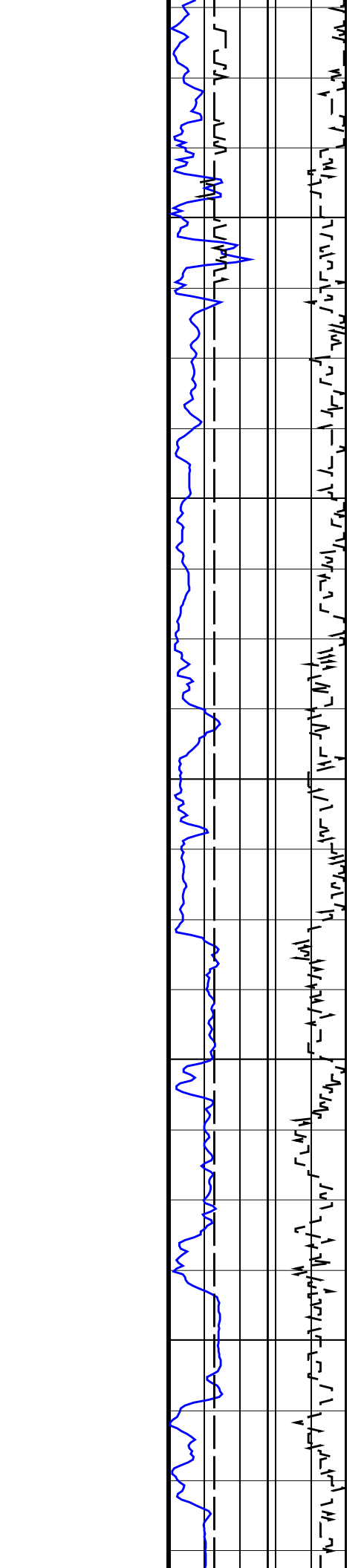
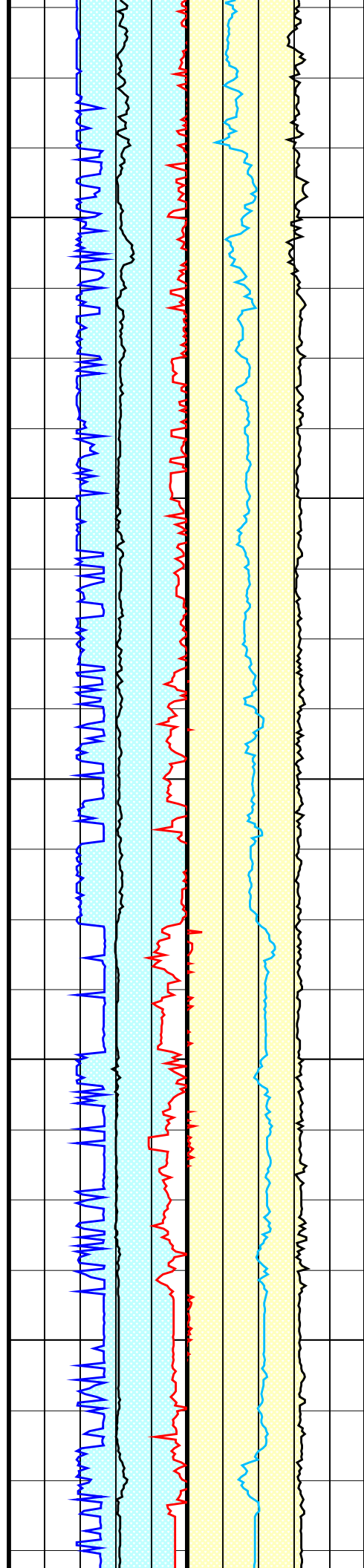
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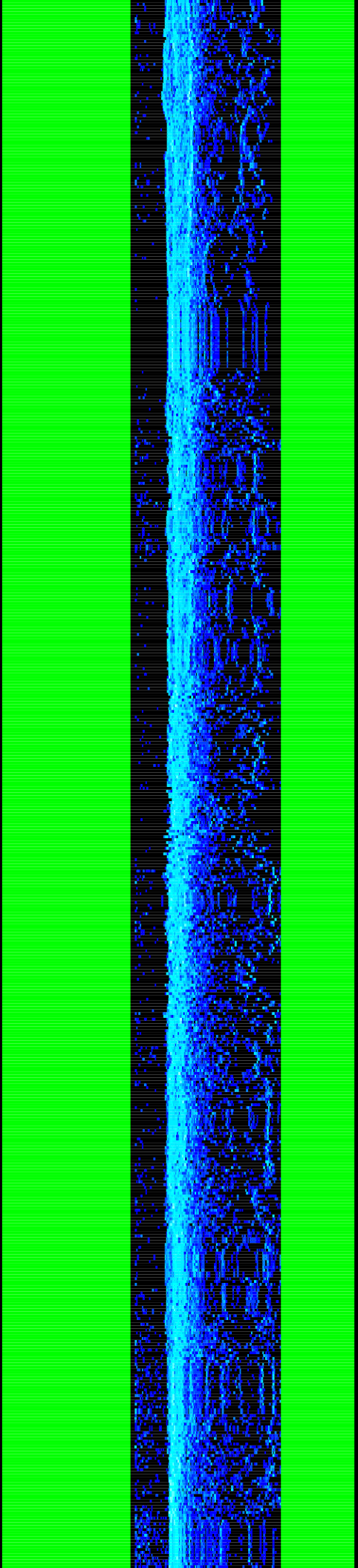
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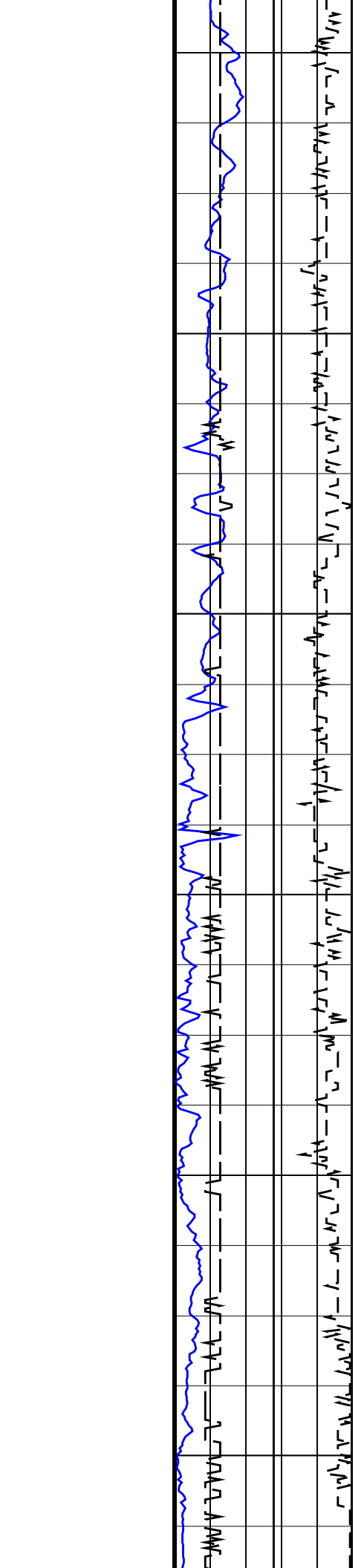
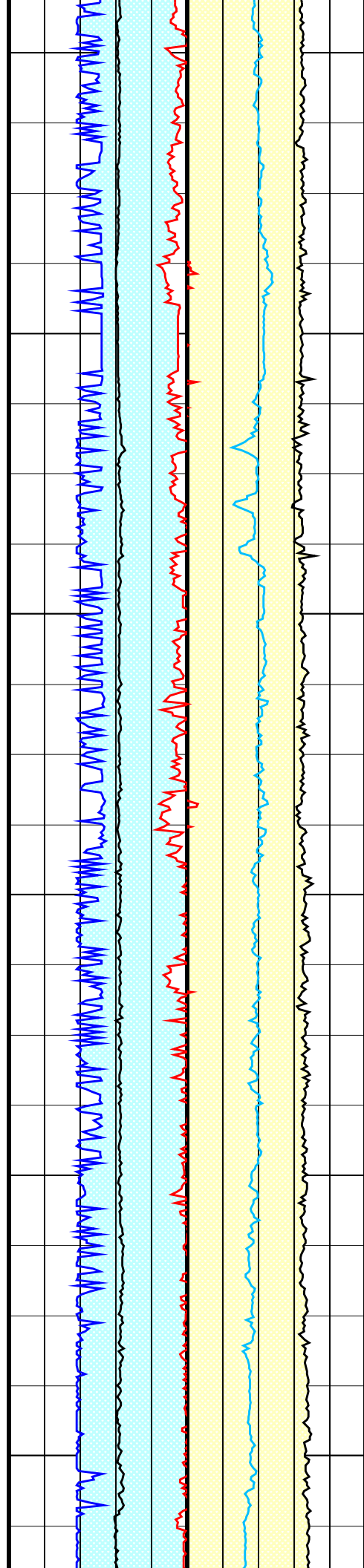
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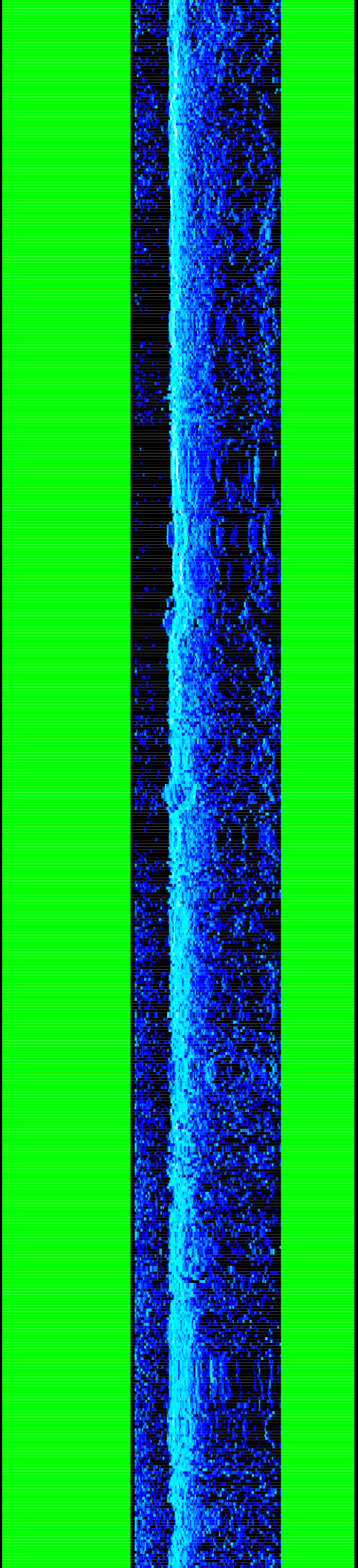
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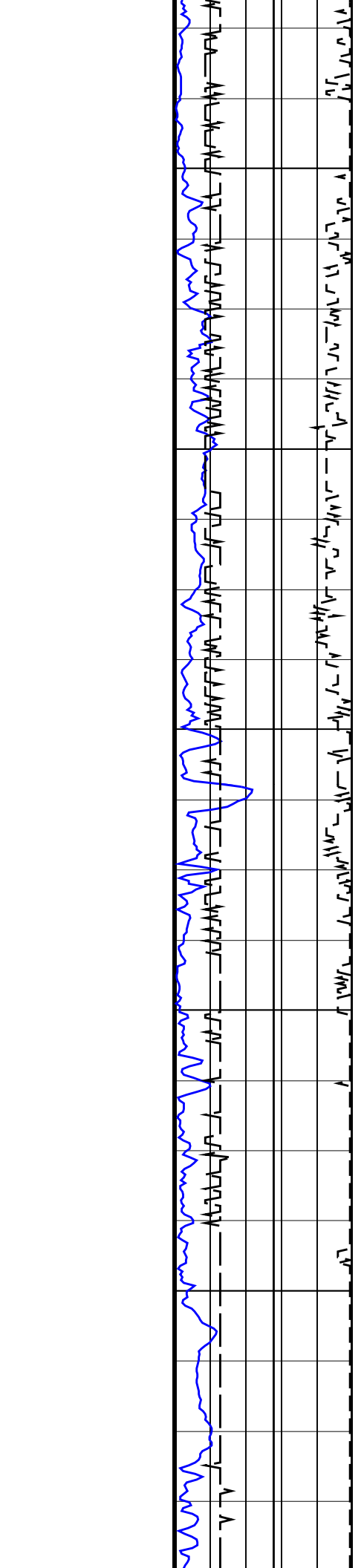
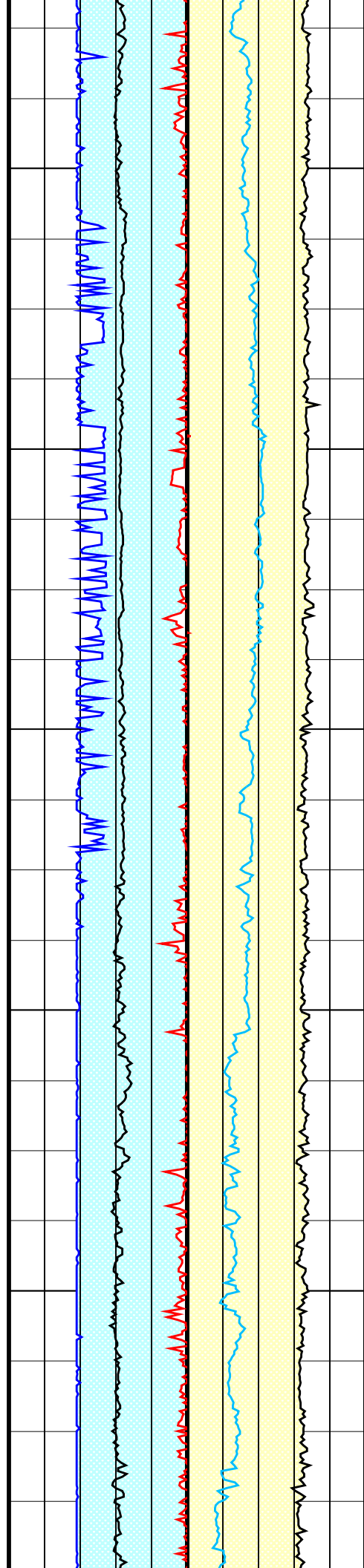
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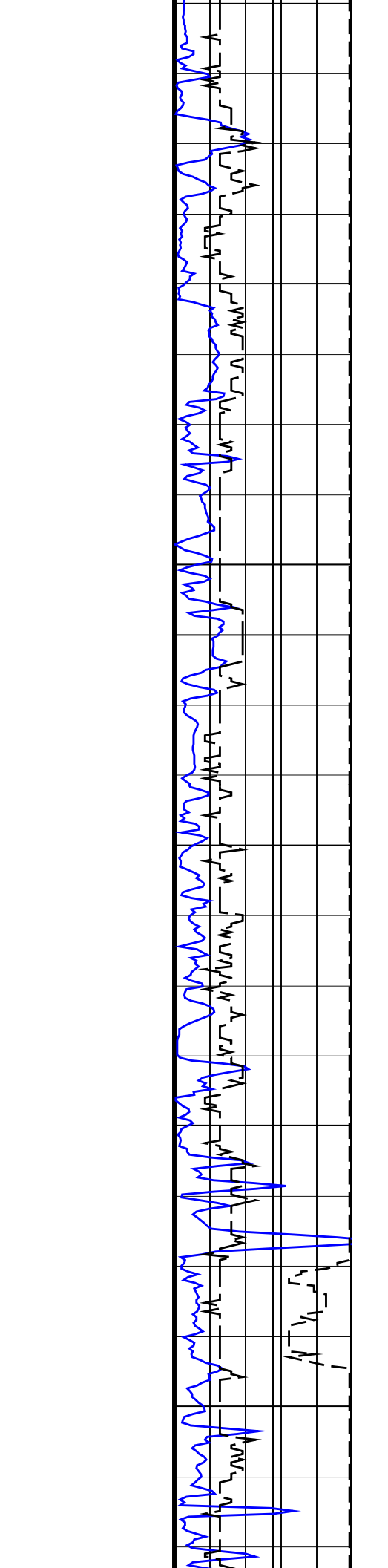
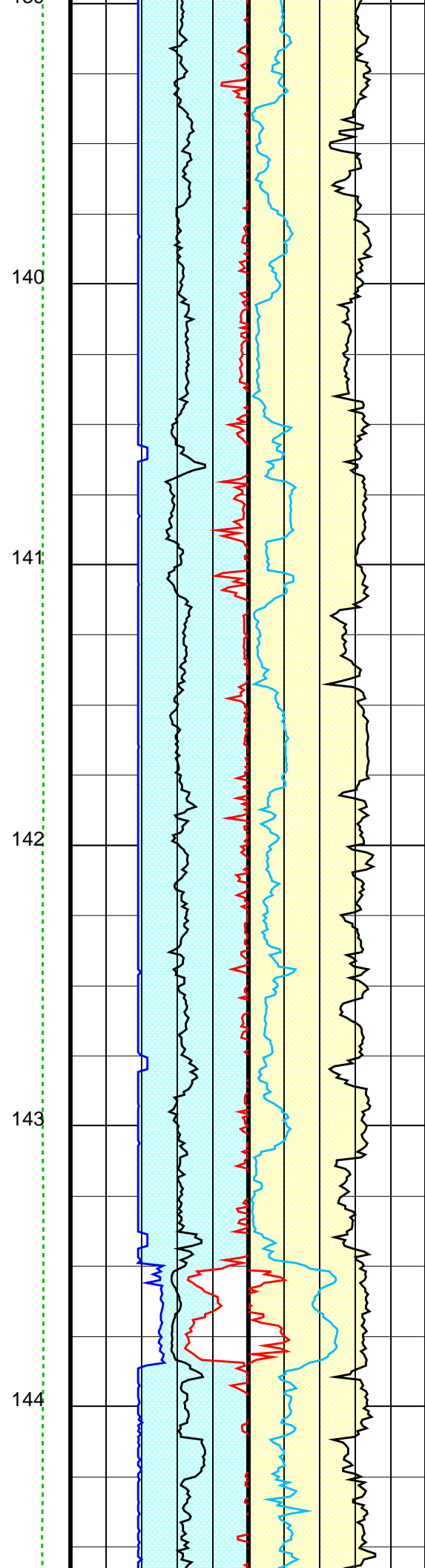
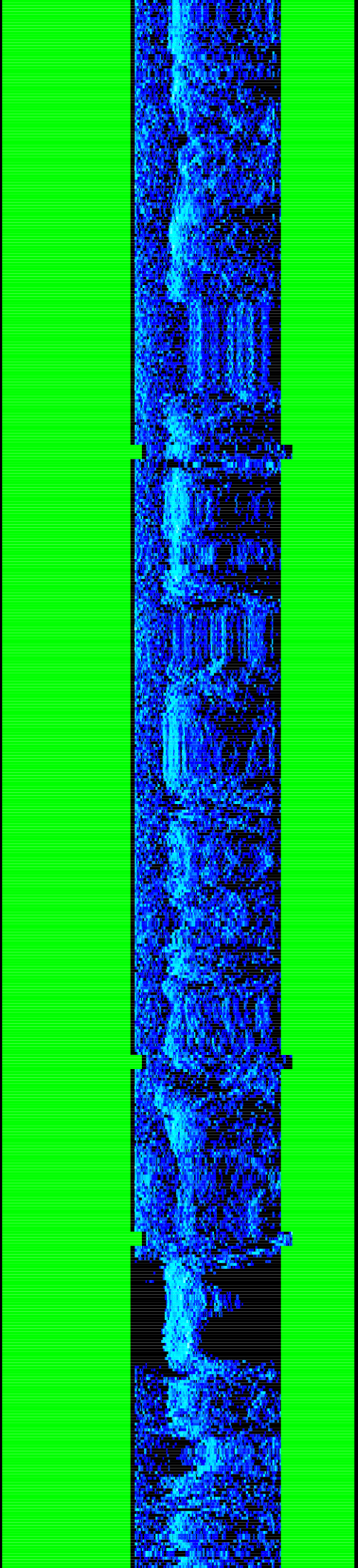
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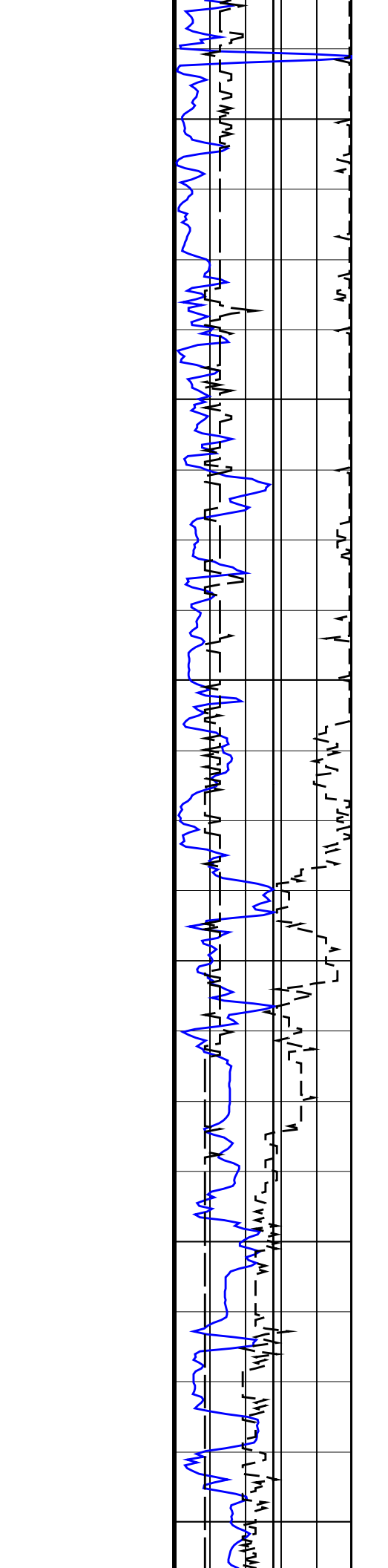
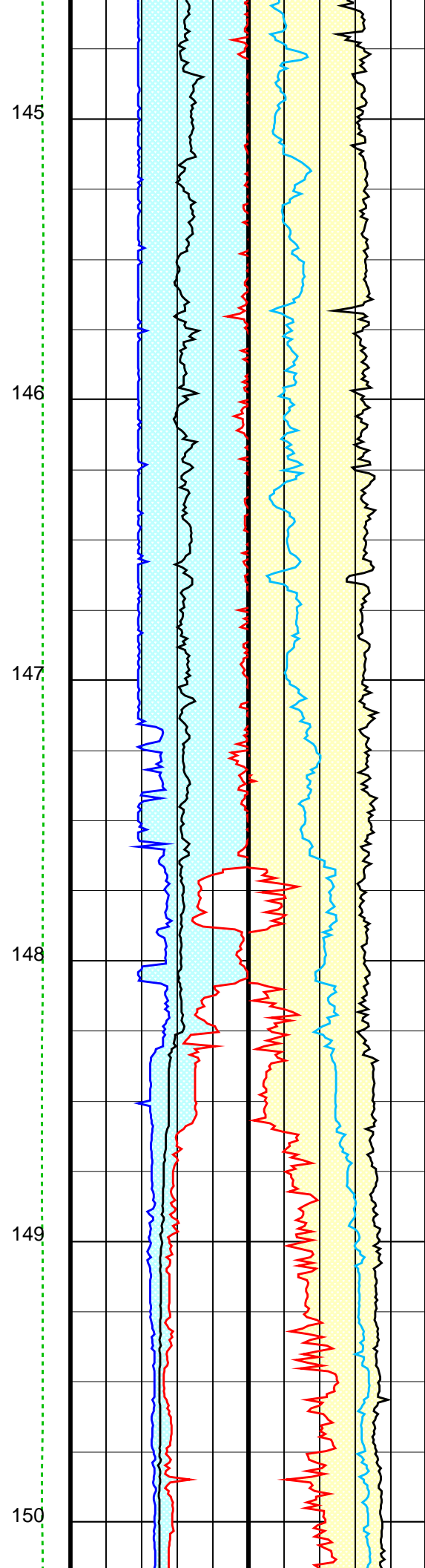
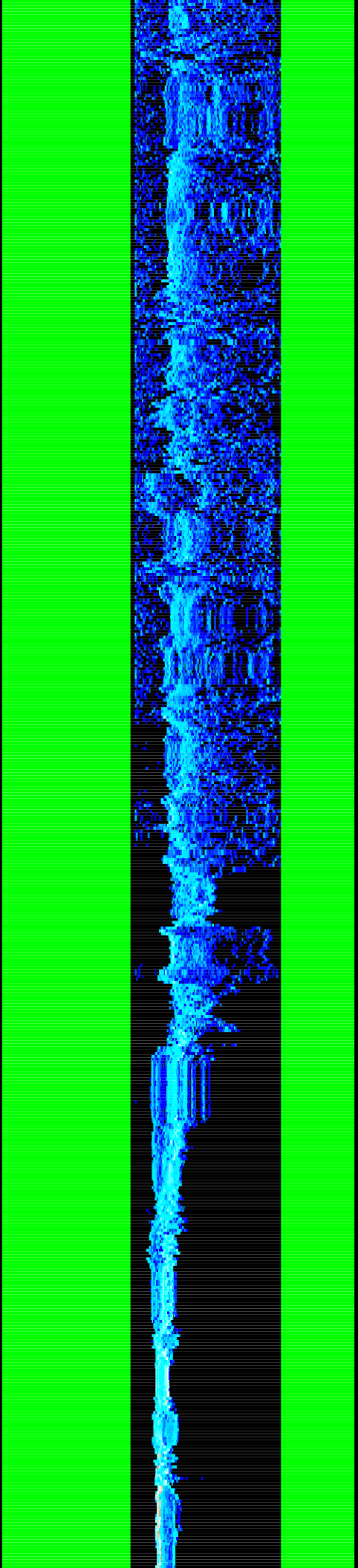
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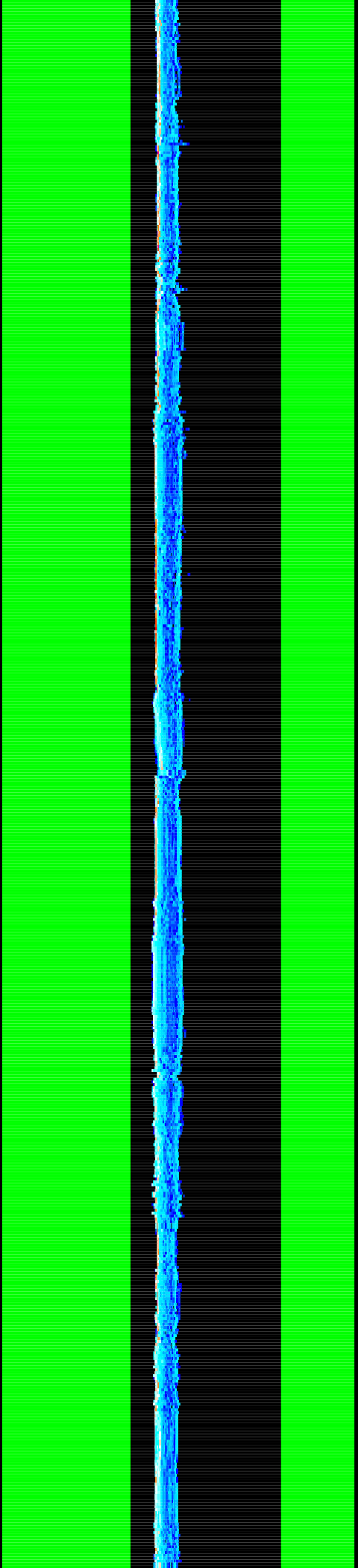
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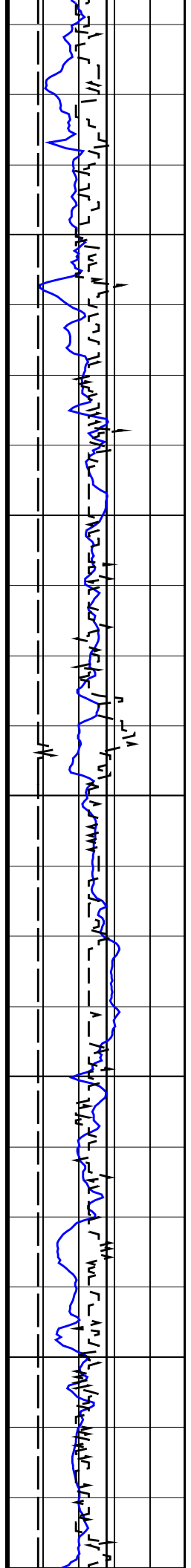
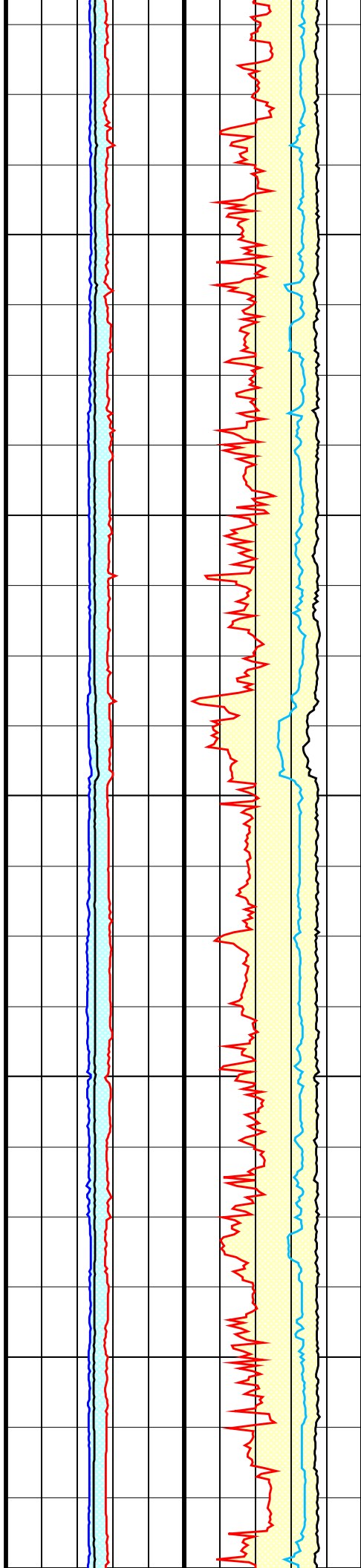
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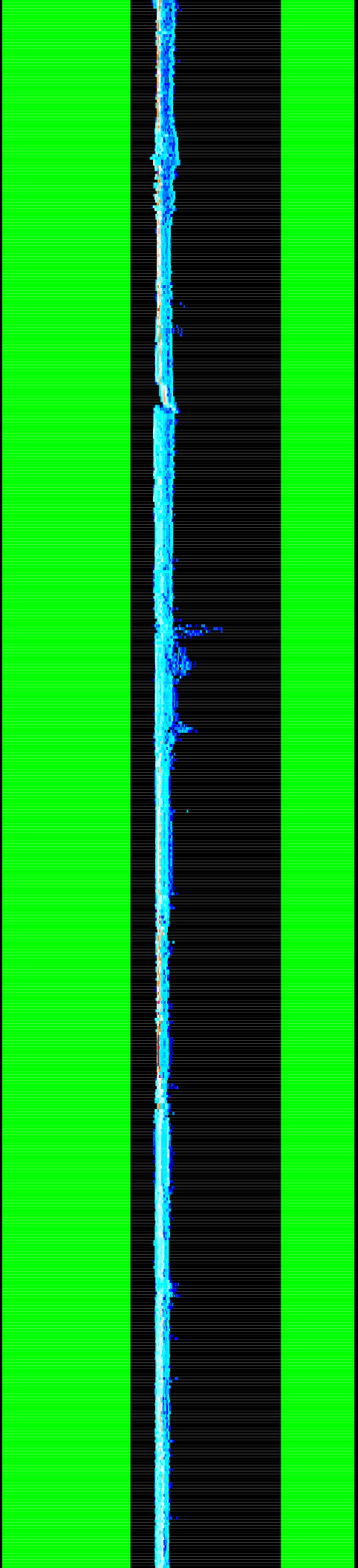
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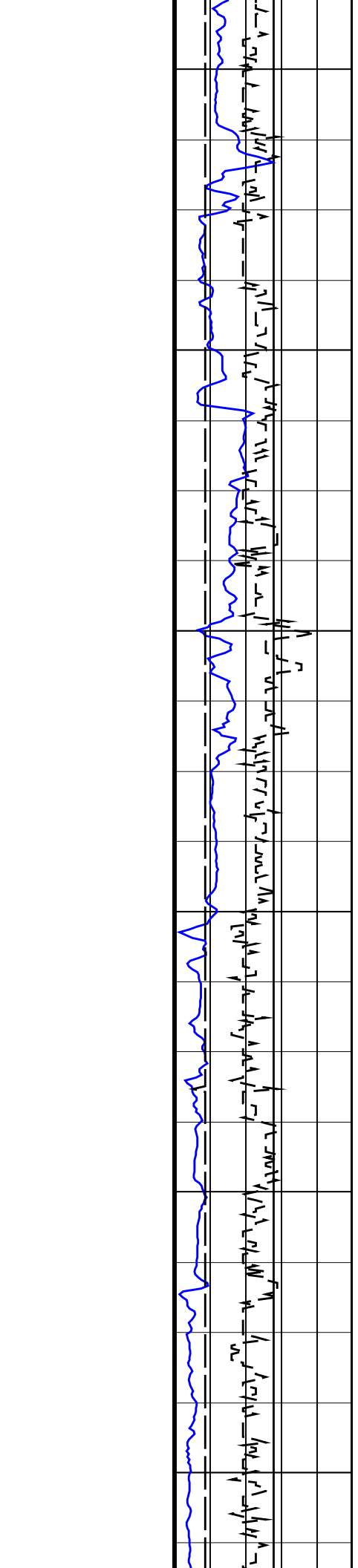
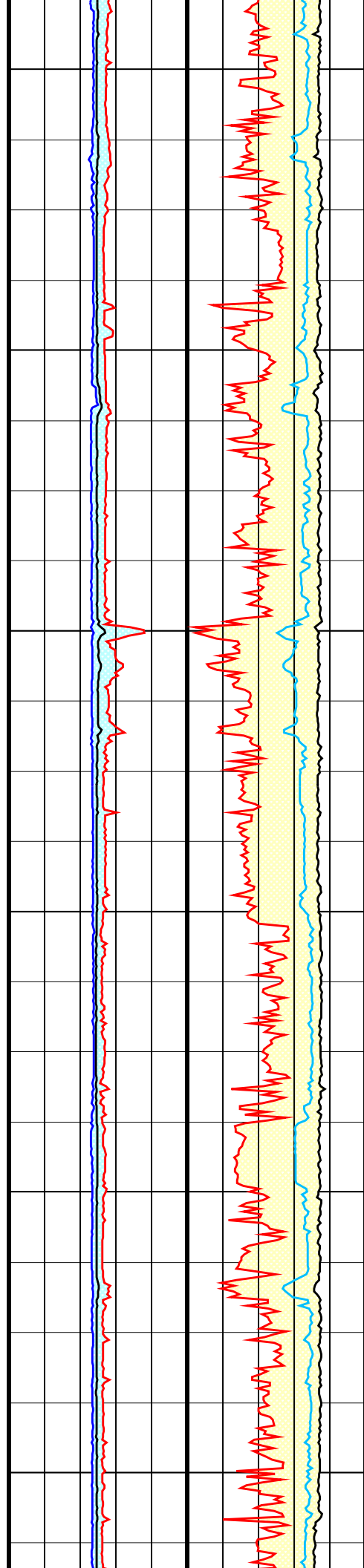
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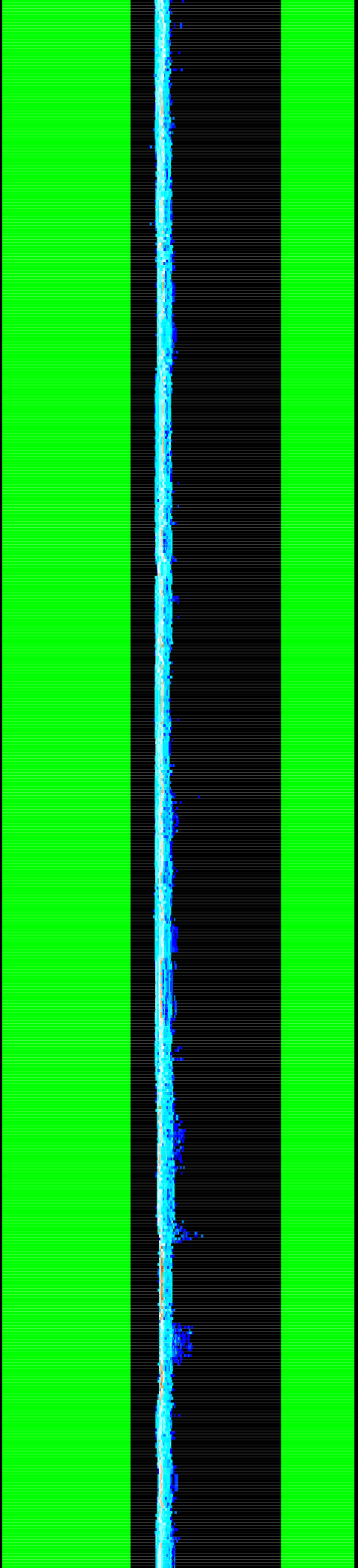
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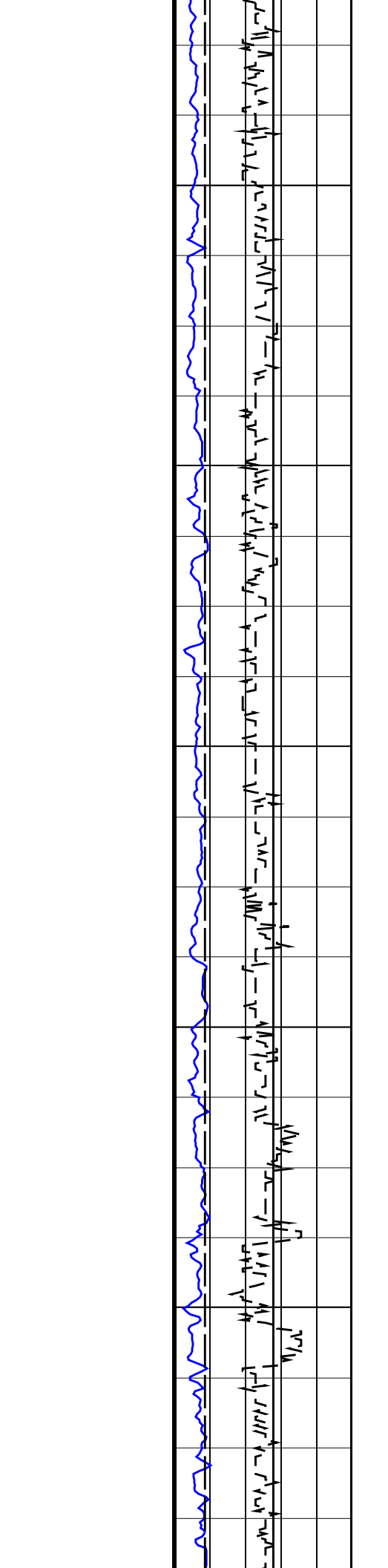
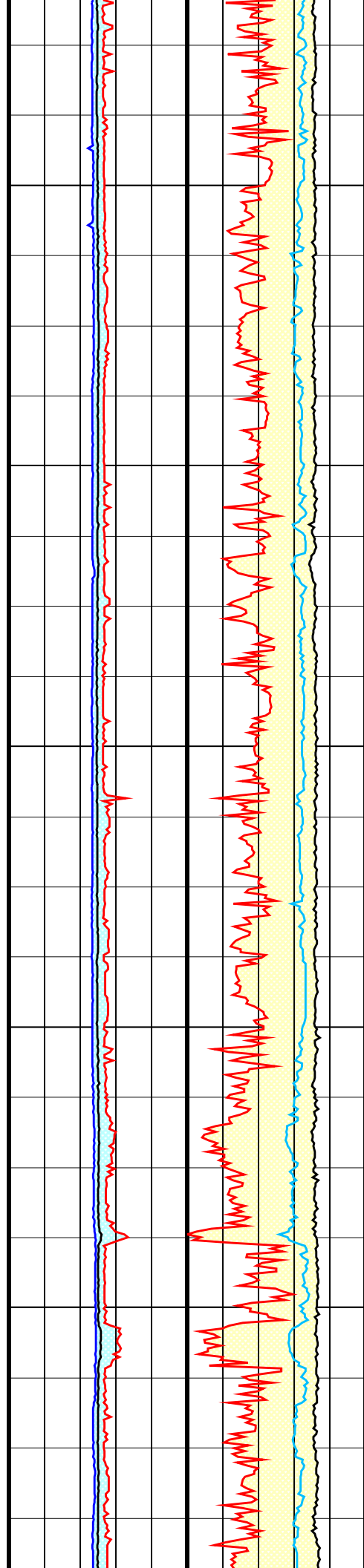
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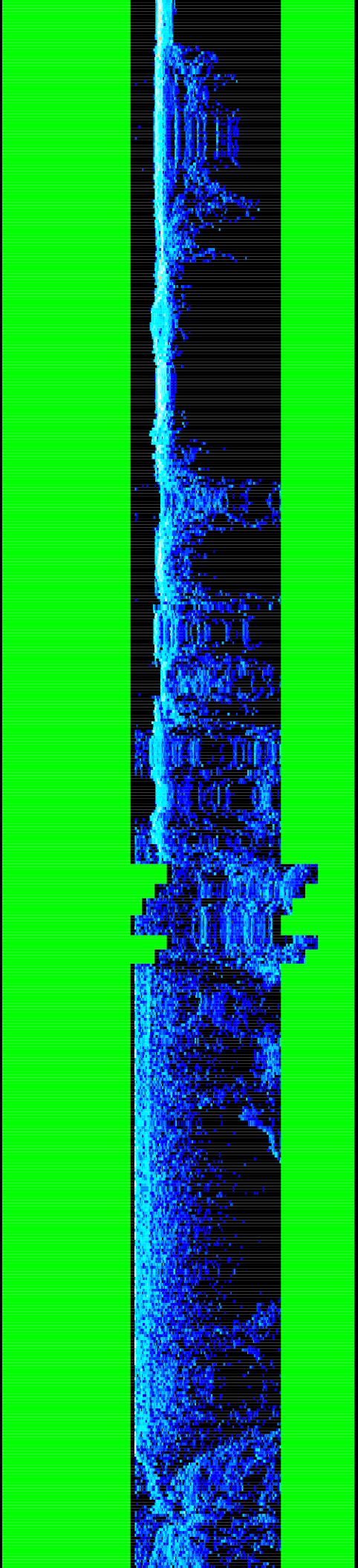
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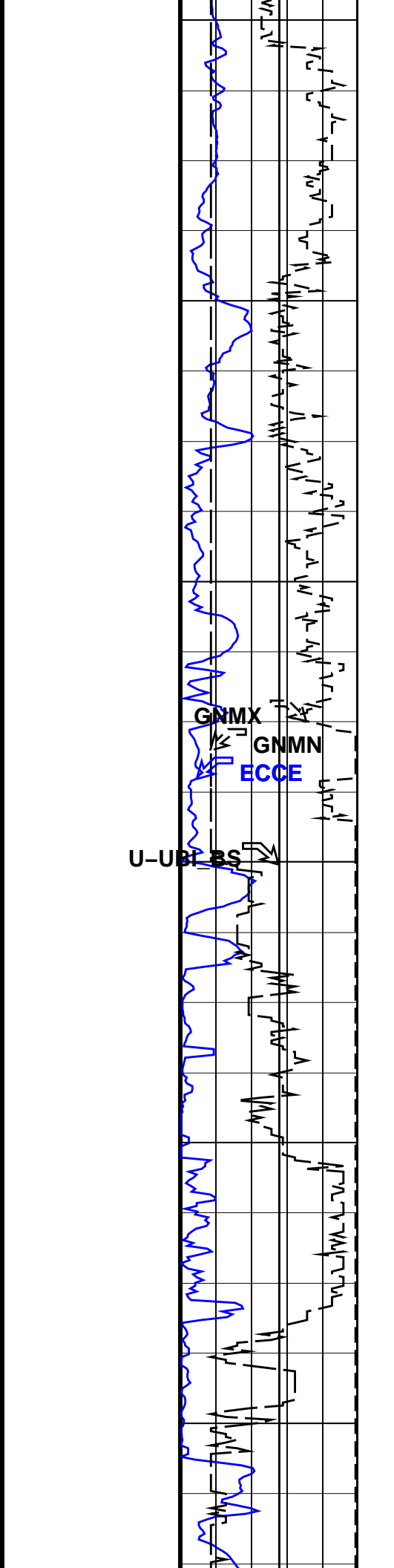
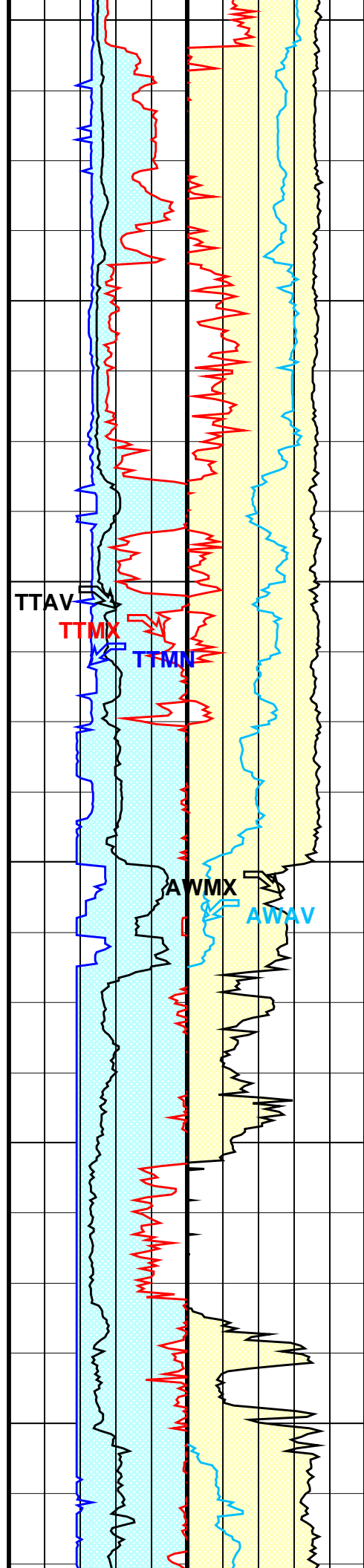
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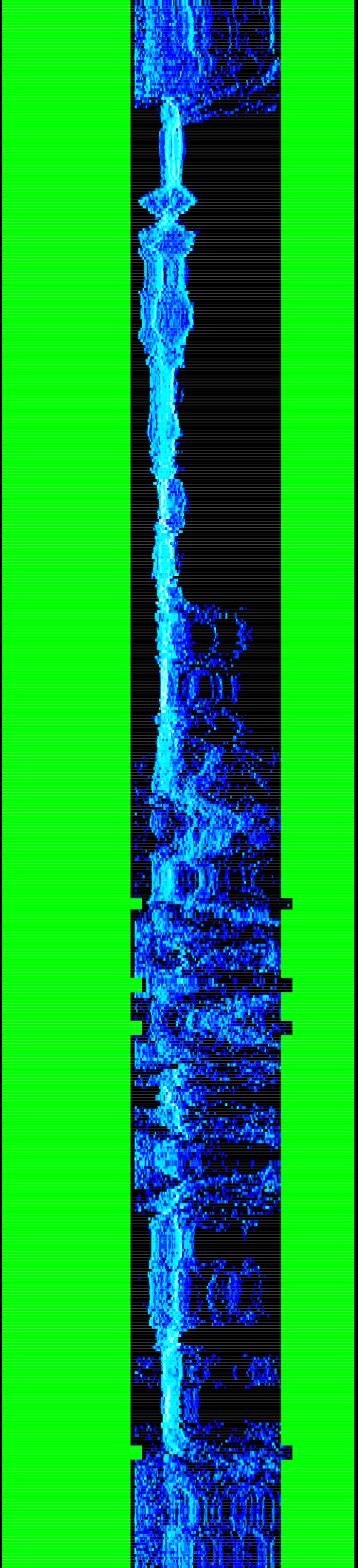




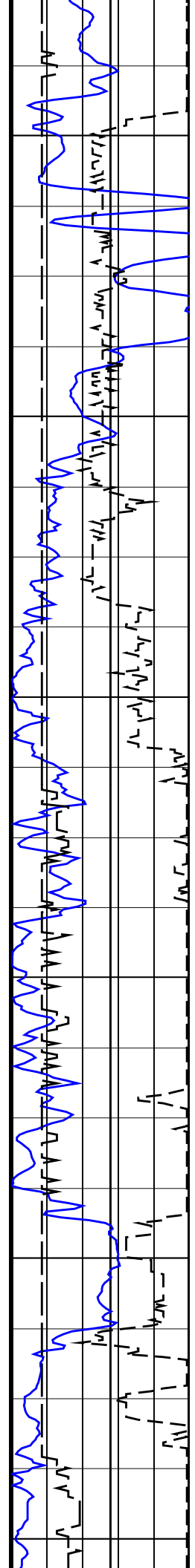
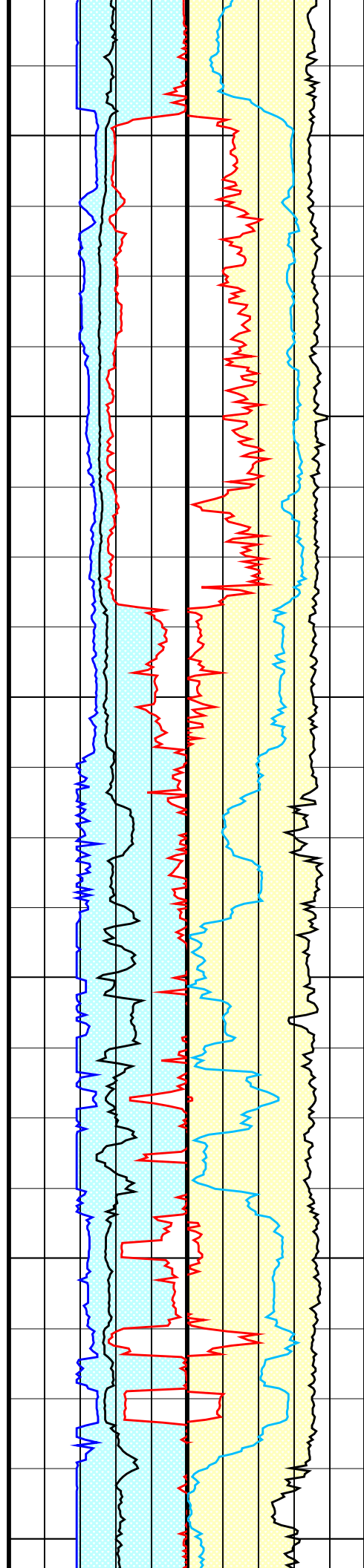
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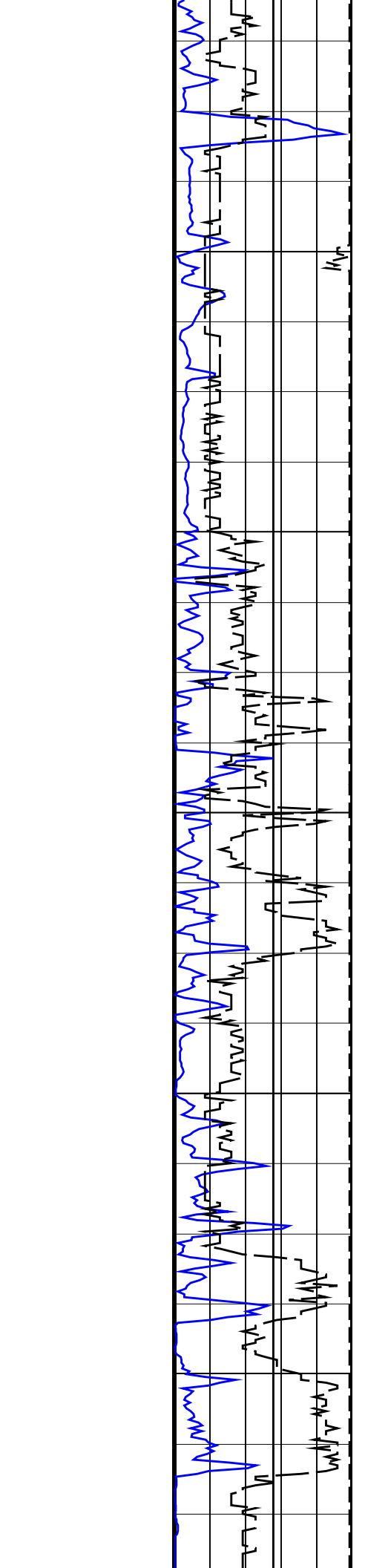
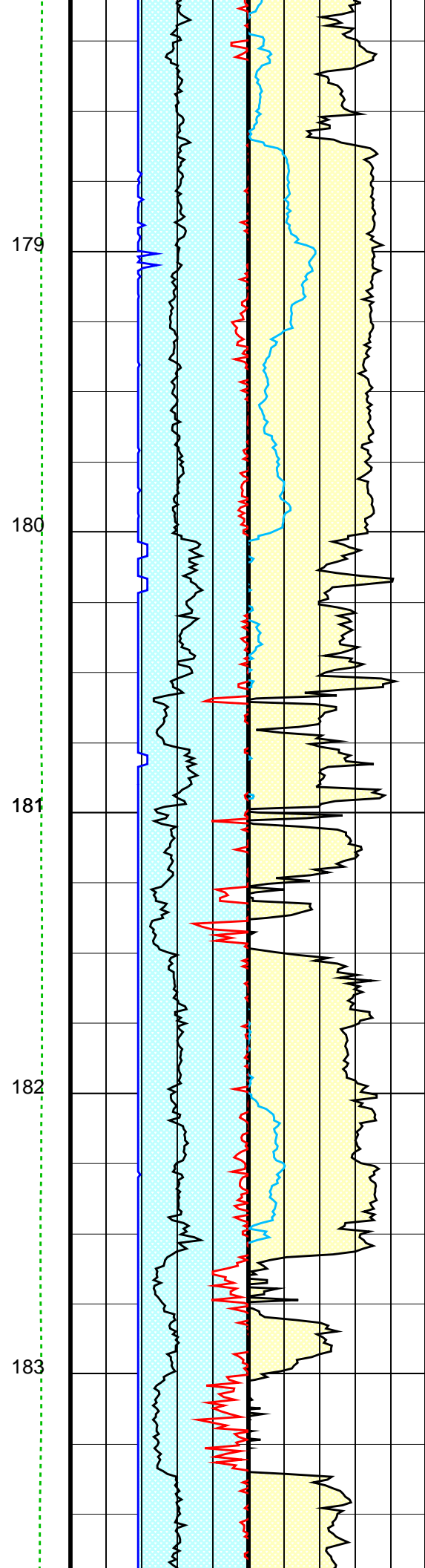
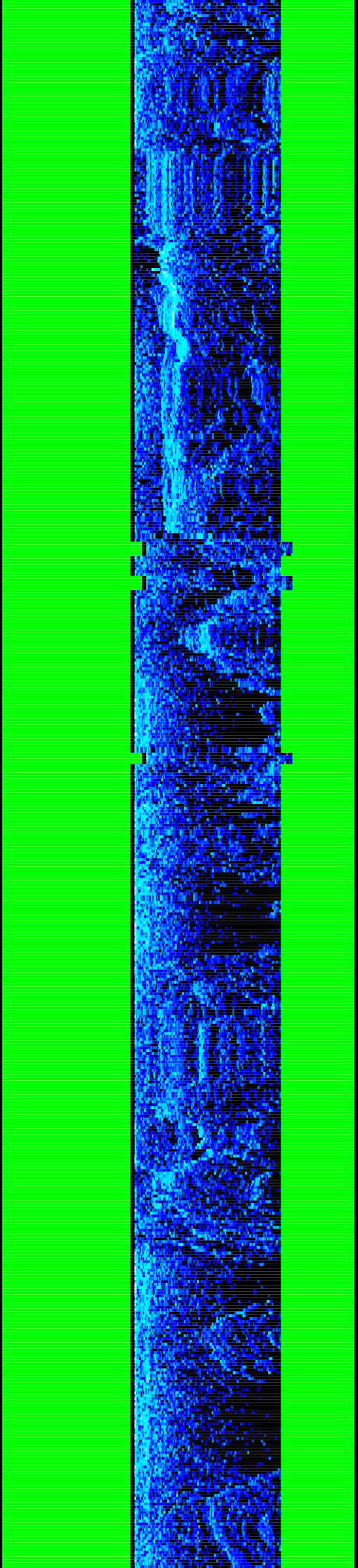
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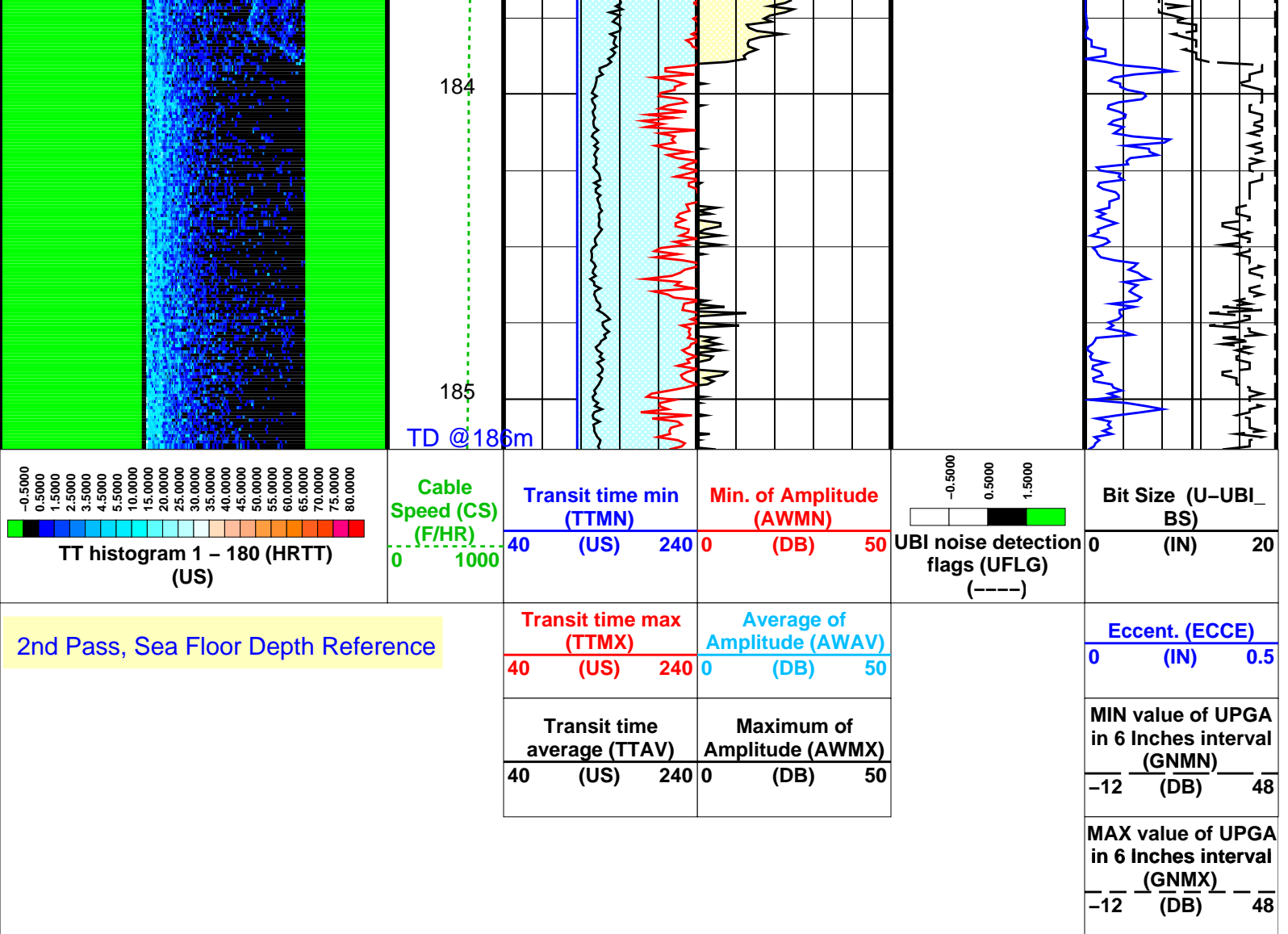




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Parameters

DLIS Name	Description	Value
UBI-D:	Ultrasonic Borehole Imager - D	
	UBI Tool Working Mode for FPM	UBI3_SW250_180_1
	UBI Tool Working Mode for Measurement	UBI3_SW250_180_1
	Vertical Resolution	IN: 0.4
	Default Fluid Velocity	206 US/F
AAMN	Automatic Amplitude Minimum Scale	2 DB
AGMN	Minimum Gain of Cartridge	-12DB
AGMX	Maximum Gain of Cartridge	48DB
AMCM	Amplitude - max color scale minimum	-6 DB
AMCX	Amplitude - max color scale maximum	0.2 DB
ANGO	Angular Offset	-17 DEG
ATMN	Automatic Transit Time Minimum Scale	2 US
AWMN	Amplitude Color Scale Minimum	20 DB
AWMX	Amplitude Color Scale Maximum	55 DB
CACN	Corrected Amplitude Color Scale Minimum	0 DB
CACX	Corrected Amplitude Color Scale Maximum	50 DB
CRCN	Corrected Radii Color Scale Minimum	3 IN
CRCX	Corrected Radii Color Scale Maximum	4.5 IN
CSID	Casing Inner Diameter	0 IN
DCMN	Window Decrement Down	0.8
DCMX	Window Decrement Up	0.6
DFVL	Default Fluid Velocity	200 US/F
DISI	Radial Plot Depth Increment	120
DISR	Radial Plot Display Requested	0
DOT	Diameter of Tool	1.85 IN
ECRL	Eccentering Correction Level	FIRST
EMXV	EMEX Voltage	30 V
ERDB	Eccentering Rejection	12 DB
FDOS	FVEL Depth Offset	0 M
FMOS	FVEL Measurement Offset	0 US/F
FVLM	Fluid Velocity Filter	MEAN
GCSW	Gain Correction	ON
HELT	FVEL Filter Size	10

HFLT	FVEL Filter Size	10	
ICMN	Internal Corrosion Color Scale Minimum	-0.15	IN
ICMX	Internal Corrosion Color Scale Maximum	0.15	IN
IMAR	Image Rotation	OFF	
INHT	FIFO Inhibition Time	Inh_29us	
LIM1	Minimum Limit Control	AUTO	
LIM2	Maximum Limit Control	MANUAL	
MLCN	Metal Loss Color Scale Minimum	-0.15	IN
MLCX	Metal Loss Color Scale Maximum	0.15	IN
NBCD	Color Correction Depth Level	80	
NBLD	Eccentering Correction Depth Level	1	
NCDI	Noise Correction Depth Interval	30	
PNSW	Processing Noise Correction	ON	
RCSO	Reference Calibrator Standoff	0.795	IN
RJ60	60 Hz Correction	ON	
RRCN	Radii Color Scale Minimum	3	IN
RRCX	Radii Color Scale Maximum	4.5	IN
SUBT	UBI Sub type	Sub_5_inch_S	
SWLV	Sliding Window Minimum	Inh_18us	
SWMX	Sliding Window Maximum	Inh_167us	
UBI_USAC_TASK_ALLOW	UBI USAC Allow Task after Power Up	YES	
UBI_USAC_TASK_TIMEOUT	UBI USAC Task Timeout (in seconds) FOR TEST REPORT	600	
UFON	UBI Flagging of Lost Echoes	OFF	
UGOS	UBI/UCI GPIT Offset	3.63	IN
UMFR	Modulation Frequency	500000	HZ
UPAT	Emission Pattern	Pattern_250K	
USFR	Sampling Frequency	1e+006	HZ
USTO	Ultrasonic Time Offset	-3	US
USUB	UBI Sub Identifier	Sub_5_inch	
UWKM	Current Working Mode	UBI3_SW250_180_1	
VERR	acq VERTical Resolution	IN: 0.4	
WFVS	Vertical Sampling	0.4	IN
WINB	Window Beginning Time	18.5	US
WINE	Window end time	36	US
GPIT-A/B: General Purpose Inclinerometer			
ACPP	Accelerometer PROM Presence	PRESENT	
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE	
ART	Accelerometer Reference Temperature	20	DEGC
GLM	GPIT Logging Mode	DIPM	
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION	
MAPP	Magnetometer PROM Presence	PRESENT	
MDEC	Magnetic Field Declination	-0.895005	DEG
MRTE	Magneto Reference Temperature	19	DEGC
TEMS	GPIT Temperature Sensor Used	BOTH	
U-GPOF	Playback OLD VERSION GPIT FILE (BEFORE OP14 + SRPC-3098-FEB_2006_C) ?	NO	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	70	DEGF
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
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	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.0021021	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
ISSBAR	Barite Mud Switch	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	68	DEGF
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	3.02703	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	2.67465	
EDTC-B: Enhanced DTS Cartridge			
BHFL	Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	70	DEGF
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DPPM	Density Porosity Processing Mode	HIRS	

FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
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	
HSCO	Hole Size Correction Option	YES	
ISSBAR	Barite Mud Switch	BARITE	
ISSBAR_EDTC	Nuclear Mud Type	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	BARI	
MWCO	Mud Weight Correction Option	NO	
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68	DEGF
SOCN	Standoff Distance	0	IN
SOCO	Standoff Correction Option	NO	
TPOS_EDTC	EDTC Tool Centered/Eccentered	Centered	
U-ETELM_EDTS	Telemetry Mode for eWAFE	Standard_EDTS	
U-TELM_EDTS	Telemetry Mode for WAFE	Standard_EDTS	
UHSV: UBI Hole Shape Analysis			
	UBI Tool Working Mode for FPM	UBI3_SW250_180_1	
	UBI Tool Working Mode for Measurement	UBI3_SW250_180_1	
	Vertical Resolution	IN: 0.4	
	Default Fluid Velocity	206	US/F
AAMN	Automatic Amplitude Minimum Scale	2	DB
AGMN	Minimum Gain of Cartridge	-12DB	
AGMX	Maximum Gain of Cartridge	48DB	
AMCM	Amplitude - max color scale minimum	-6	DB
AMCX	Amplitude - max color scale maximum	0.2	DB
ANGO	Angular Offset	-17	DEG
ATMN	Automatic Transit Time Minimum Scale	2	US
AWMN	Amplitude Color Scale Minimum	20	DB
AWMX	Amplitude Color Scale Maximum	55	DB
CACN	Corrected Amplitude Color Scale Minimum	0	DB
CACX	Corrected Amplitude Color Scale Maximum	50	DB
CRCN	Corrected Radii Color Scale Minimum	3	IN
CRCX	Corrected Radii Color Scale Maximum	4.5	IN
CSID	Casing Inner Diameter	0	IN
DCMN	Window Decrement Down	0.8	
DCMX	Window Decrement Up	0.6	
DFVL	Default Fluid Velocity	200	US/F
DISI	Radial Plot Depth Increment	120	
DISR	Radial Plot Display Requested	0	
DOT	Diameter of Tool	1.85	IN
ECRL	Eccentering Correction Level	FIRST	
EMXV	EMEX Voltage	30	V
ERDB	Eccentering Rejection	12	DB
FDOS	FVEL Depth Offset	0	M
FMOS	FVEL Measurement Offset	0	US/F
FVLM	Fluid Velocity Filter	MEAN	
GCSW	Gain Correction	ON	
HFLT	FVEL Filter Size	10	
ICMN	Internal Corrosion Color Scale Minimum	-0.15	IN
ICMX	Internal Corrosion Color Scale Maximum	0.15	IN
IMAR	Image Rotation	OFF	
INHT	FIFO Inhibition Time	Inh_29us	
LIM1	Minimum Limit Control	AUTO	
LIM2	Maximum Limit Control	MANUAL	
MLCN	Metal Loss Color Scale Minimum	-0.15	IN
MLCX	Metal Loss Color Scale Maximum	0.15	IN
NBCD	Color Correction Depth Level	80	
NBLD	Eccentering Correction Depth Level	1	
NCDI	Noise Correction Depth Interval	30	
PNSW	Processing Noise Correction	ON	
RCSO	Reference Calibrator Standoff	0.795	IN
RJ60	60 Hz Correction	ON	
RRCN	Radii Color Scale Minimum	3	IN
RRCX	Radii Color Scale Maximum	4.5	IN
SUBT	UBI Sub type	Sub_5_inch_S	
SWLV	Sliding Window Minimum	Inh_18us	
SWMX	Sliding Window Maximum	Inh_167us	
UFON	UBI Flagging of Lost Echoes	OFF	
UGOS	UBI/UCI GPIT Offset	3.63	IN
UMFR	Modulation Frequency	500000	HZ
UPAT	Emission Pattern	Pattern_250K	
USFR	Sampling Frequency	1e+006	HZ
USTO	Ultrasonic Time Offset	-3	US
USUB	UBI Sub Identifier	Sub_5_inch	
UWKM	Current Working Mode	UBI3_SW250_180_1	
VERR	acq VERTical Resolution	IN: 0.4	
WFVS	Vertical Sampling	0.4	IN
WINR	Window Beginning Time	18.5	US

WINE	Window end time	36	US
System and Miscellaneous			
ALTDPCCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	11.000	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	5.500	IN
CWEI	Casing Weight	43.00	LB/F
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	-550.0	M
FLEV	Fluid Level	0.00	M
MST	Mud Sample Temperature	-50000.00	DEGC
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	NORMAL	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	3740	FT
TDD	Total Depth - Driller	1133.00	M
TDL	Total Depth - Logger	737.00	M
TWS	Temperature of Connate Water Sample	37.78	DEGC

Format: UBI_QC Vertical Scale: 1:20 Graphics File Created: 03-Dec-2012 05:09

OP System Version: 19C0-187

UBI-D	SRPC-5095-H2-2011-OP19	GPIT-A/B	19C0-187
DTA-A	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	UBI_NGS_023LUP	FN:38	PRODUCER	30-Nov-2012 23:00	736.1 M	545.5 M
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Output DLIS Files

DEFAULT	UBI_NGS_074PUP	FN:102	PRODUCER	03-Dec-2012 05:09		
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Company: Lamont Doherty Well: Expedition 344, Site U1413C

Input DLIS Files

DEFAULT	UBI_NGS_022LUP	FN:36	PRODUCER	30-Nov-2012 22:08	733.8 M	645.9 M
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Output DLIS Files

DEFAULT	UBI_NGS_073PUP	FN:101	PRODUCER	03-Dec-2012 05:08	182.9 M	96.0 M
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OP System Version: 19C0-187

UBI-D	SRPC-5095-H2-2011-OP19	GPIT-A/B	19C0-187
DTA-A	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

MAX value of UPGA
in 6 Inches interval
(GNMX)
-12 (DB) 48

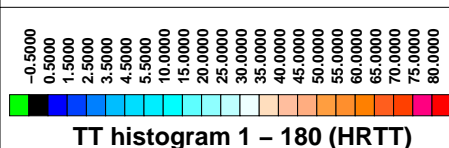
Transit time average (TTAV)		Maximum of Amplitude (AWMX)	
40 (US)	240	0 (DB)	50

MIN value of UPGA
in 6 Inches interval
(GNMN)
-12 (DB) 48

1st Pass, Sea Floor Depth Reference

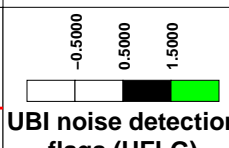
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40 (US)	240	0 (DB)	50

Eccent. (ECCE)
0 (IN) 0.5



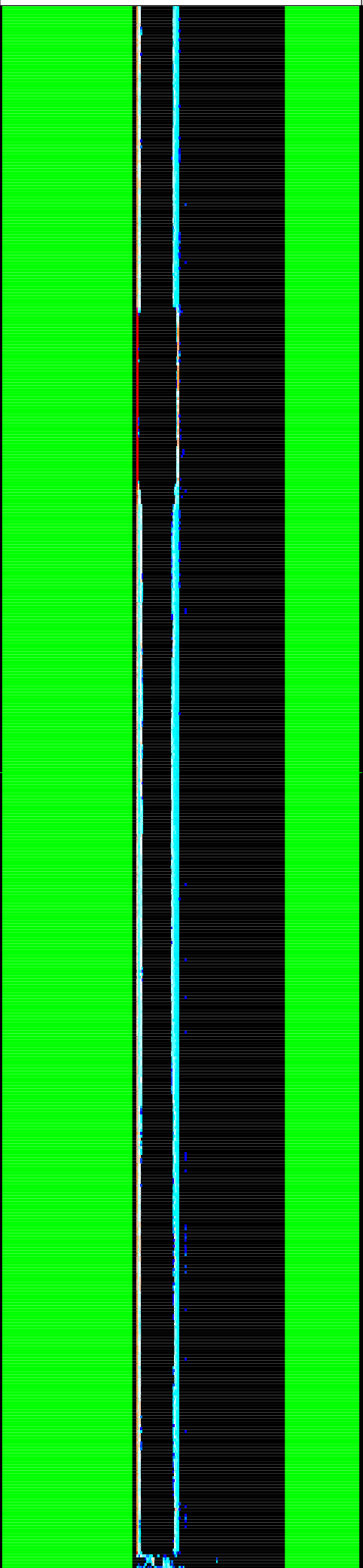
Cable Speed (CS) (F/HR)
0 1000

Transit time min (TTMN)		Min. of Amplitude (AWMN)	
40 (US)	240	0 (DB)	50



Bit Size (U-UBI-BS)
0 (IN) 20

(US)



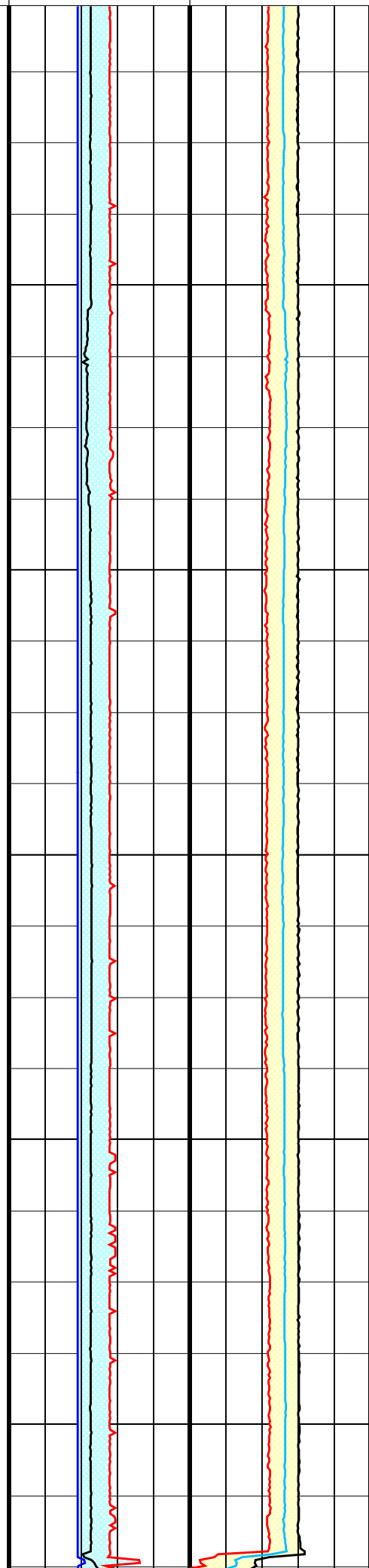
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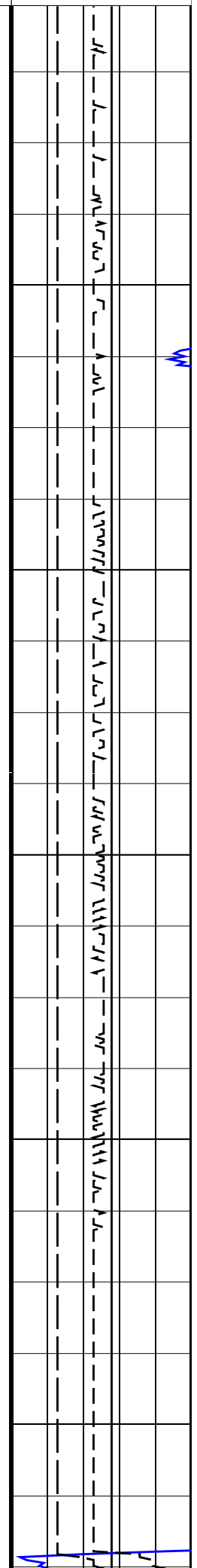
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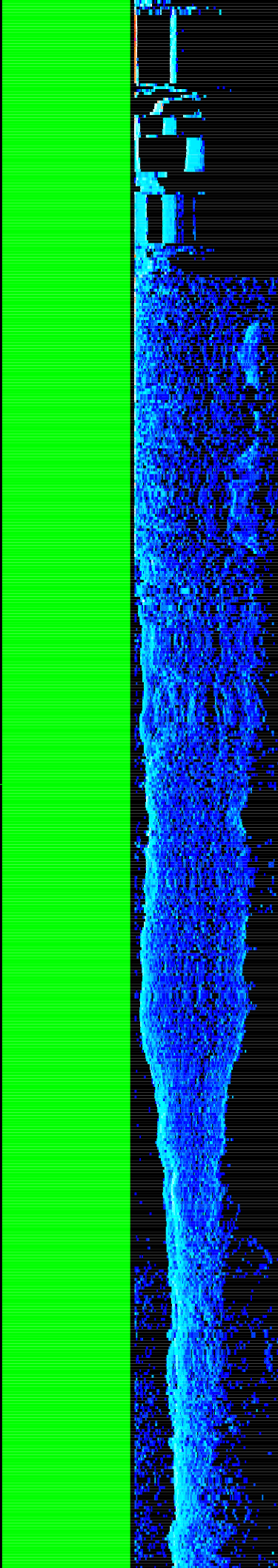
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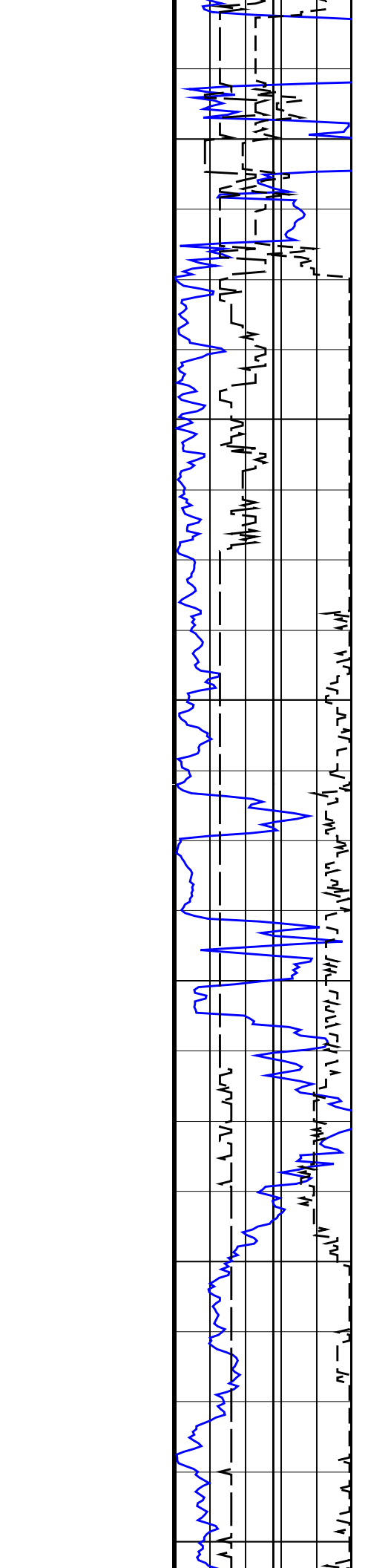
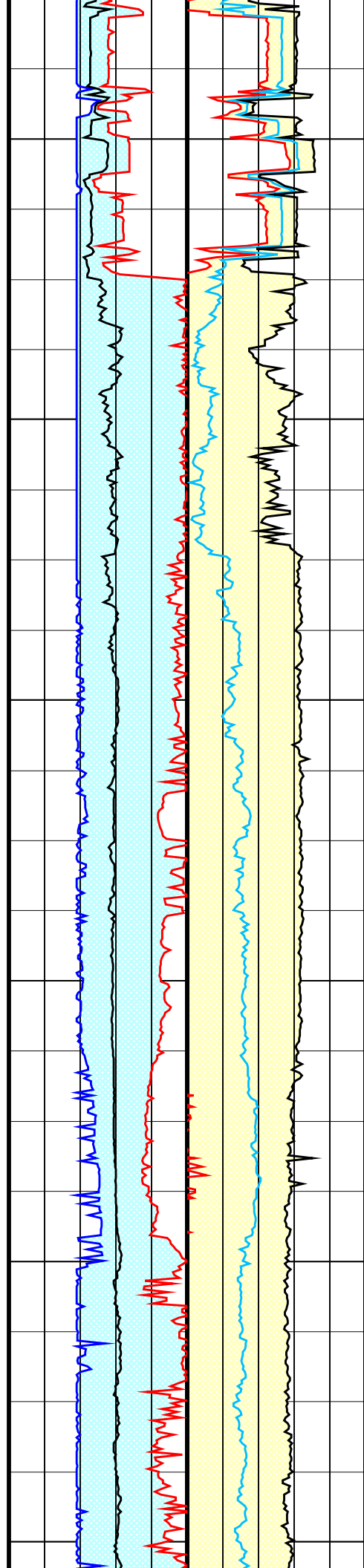
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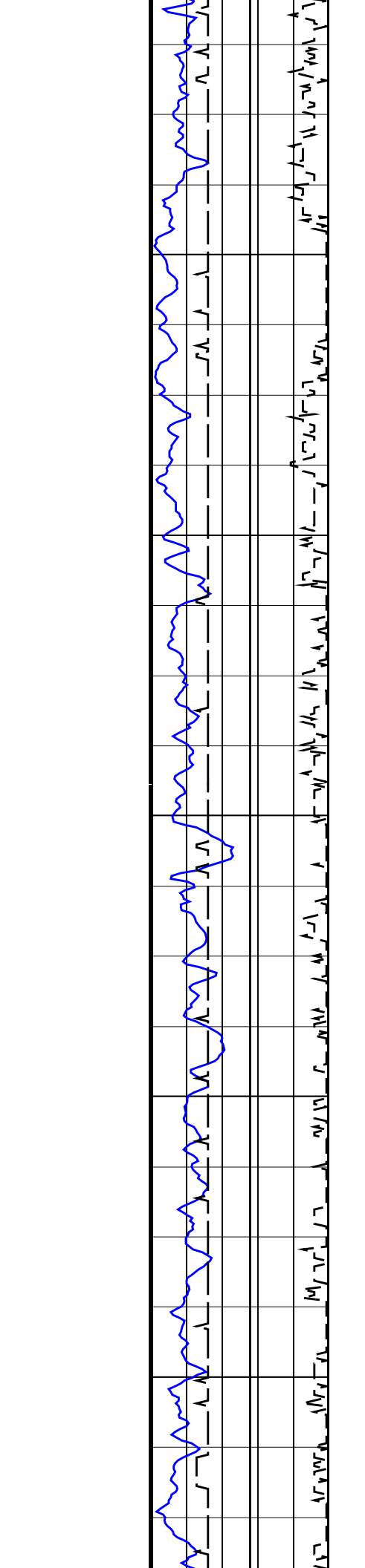
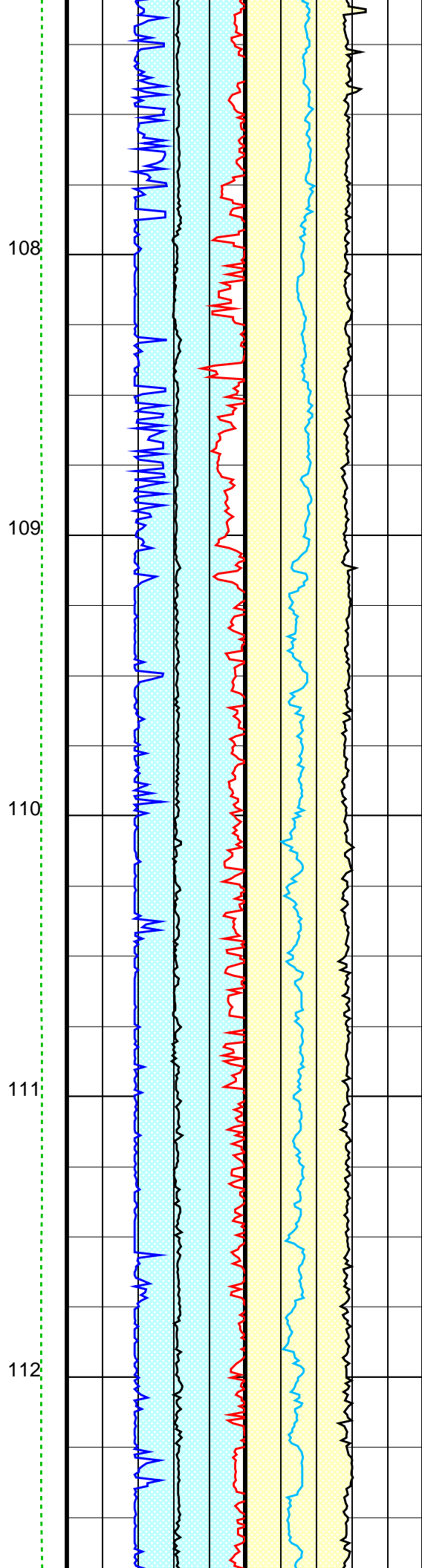
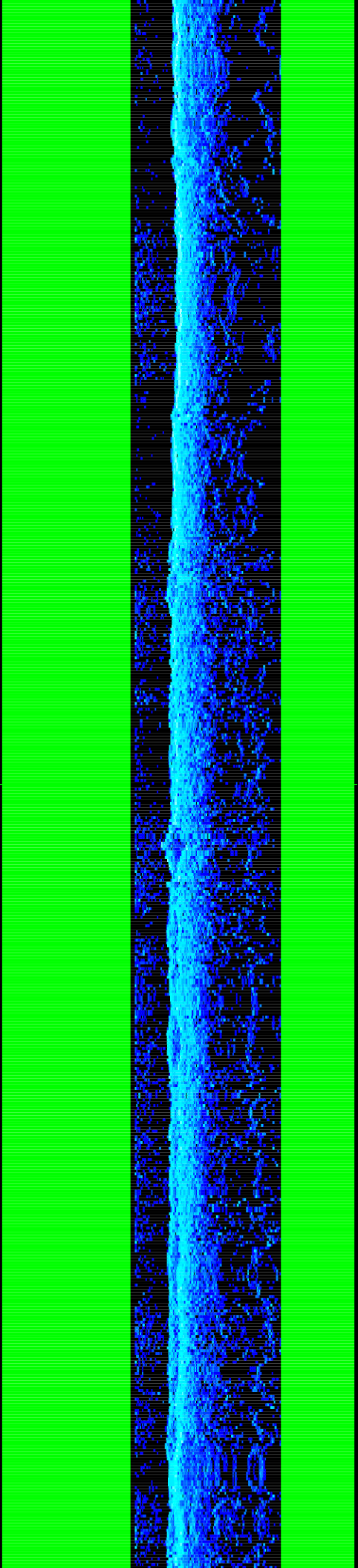


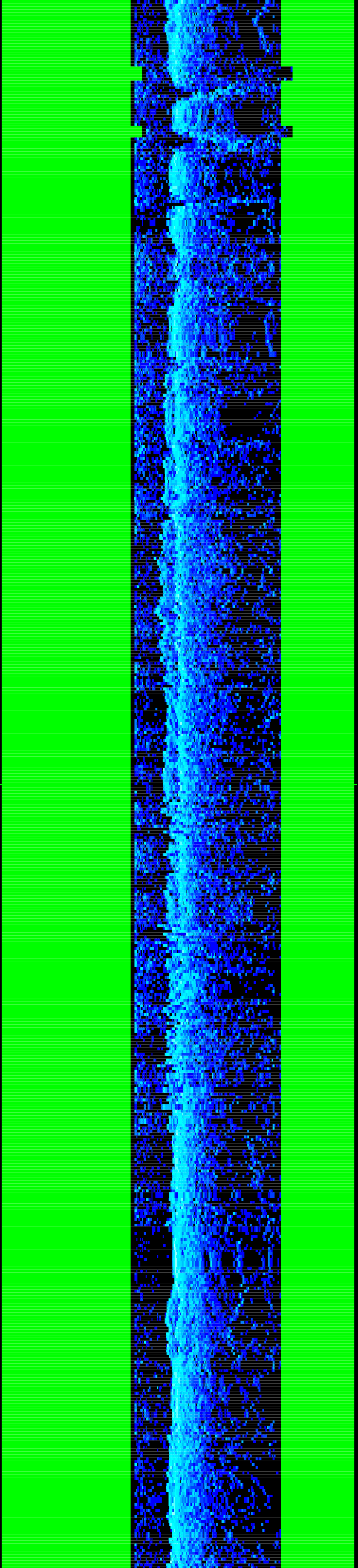


-Drill Pipe-

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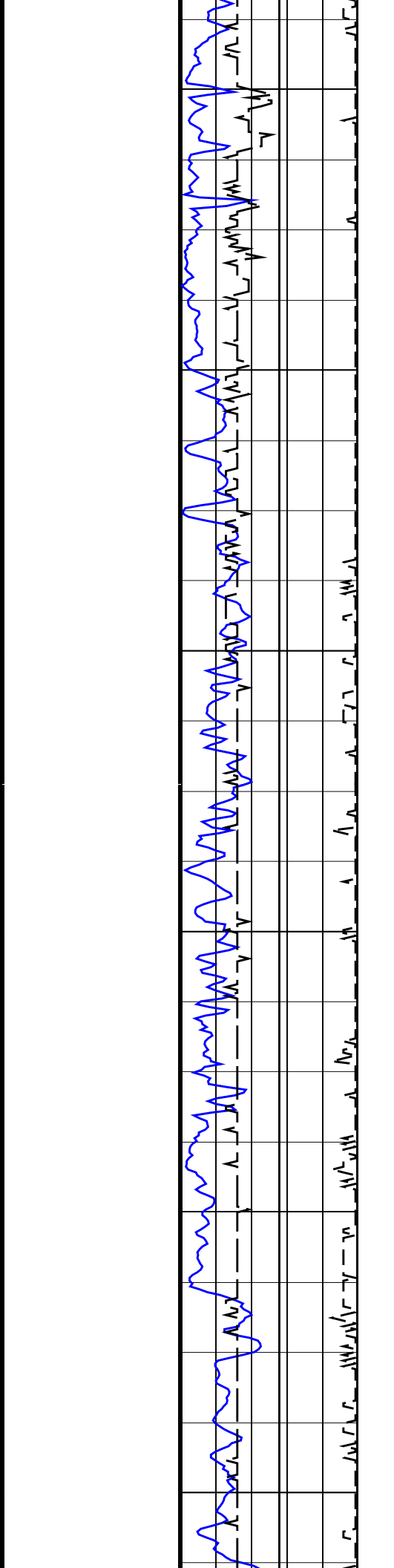
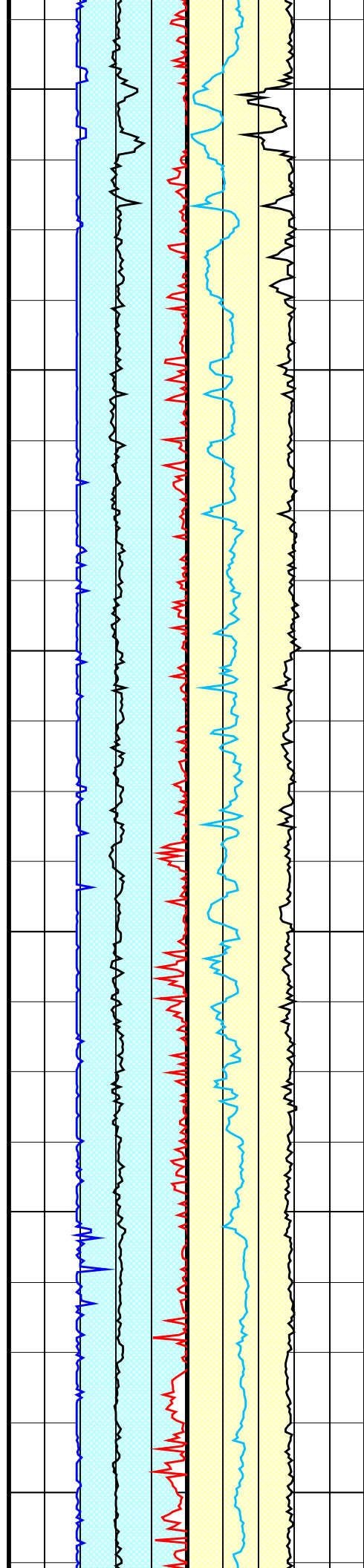
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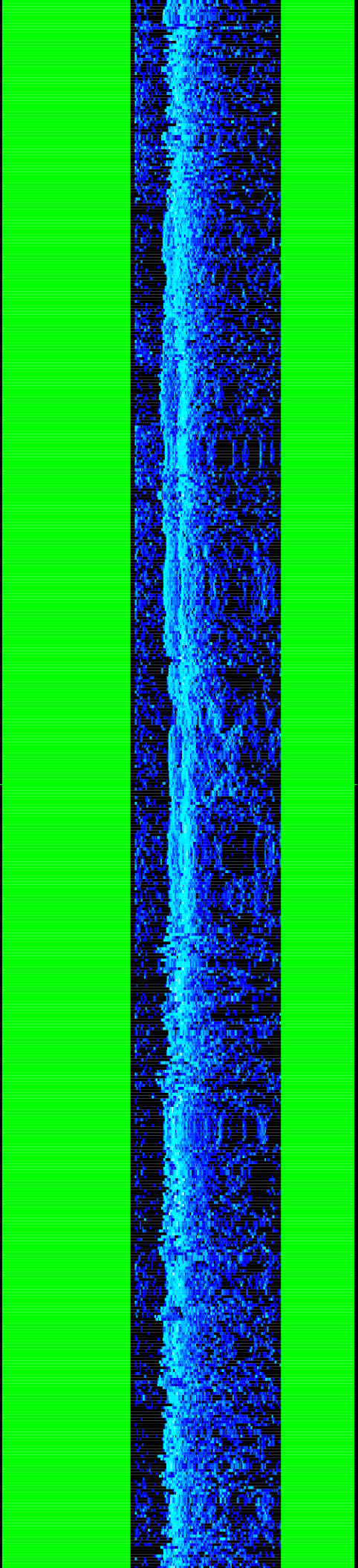
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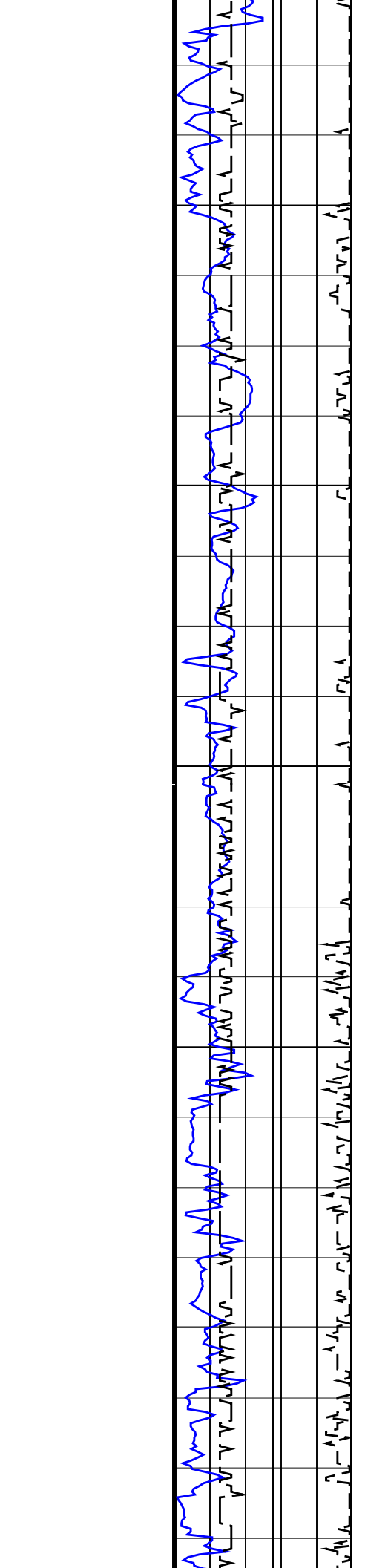
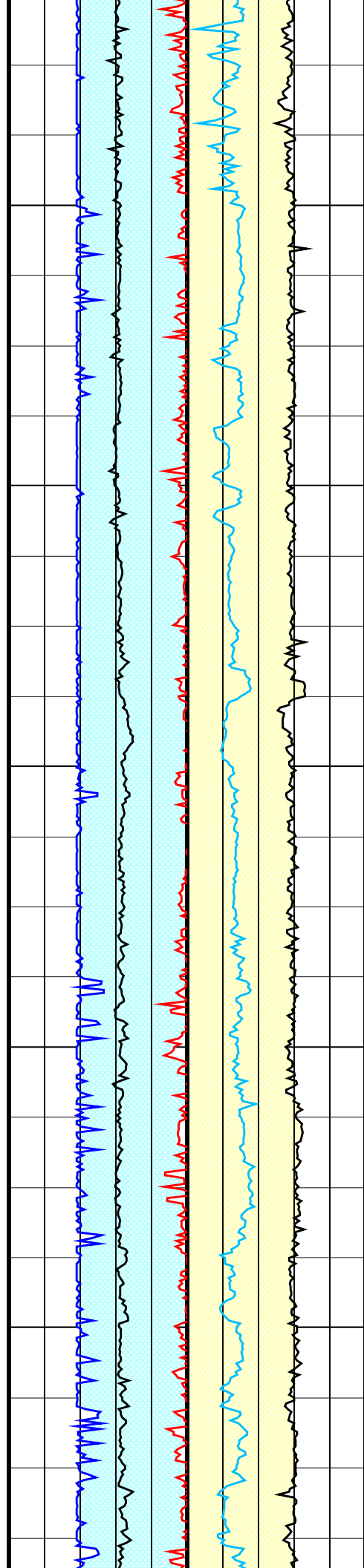
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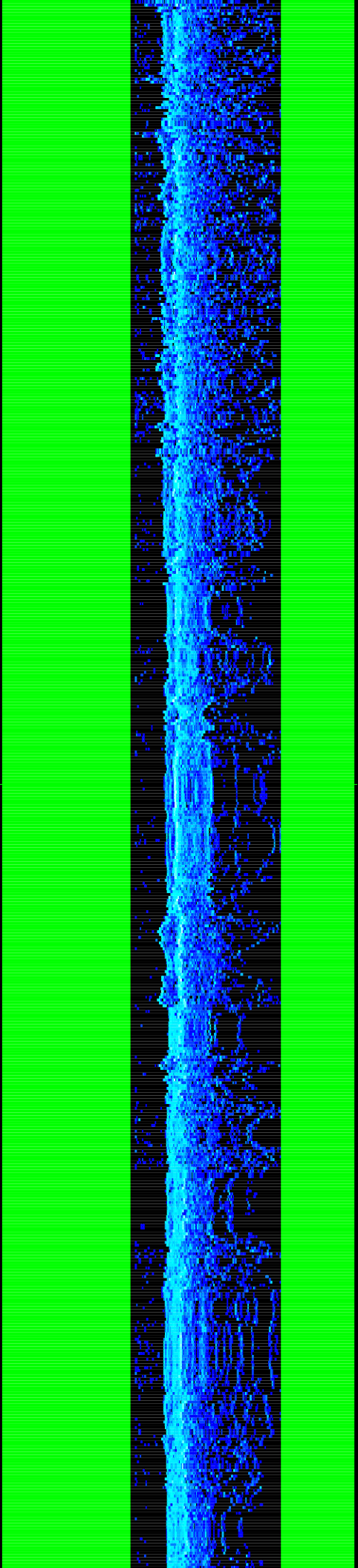
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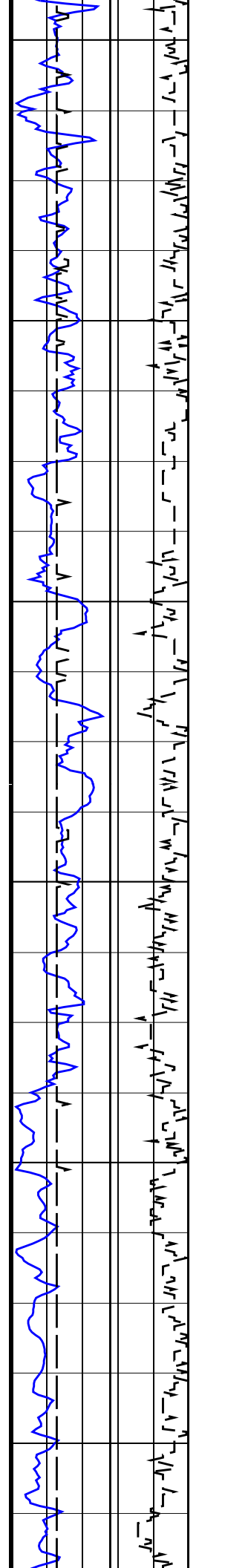
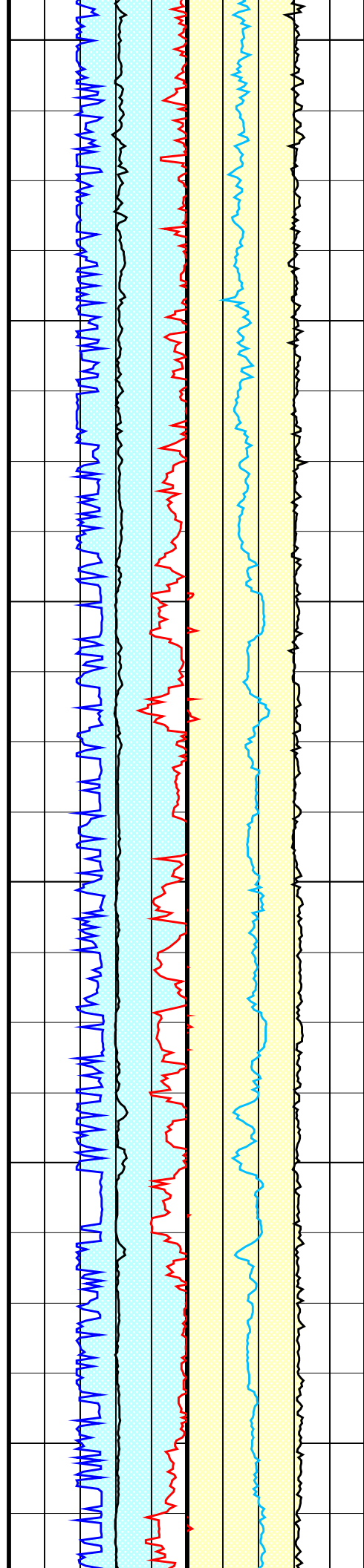
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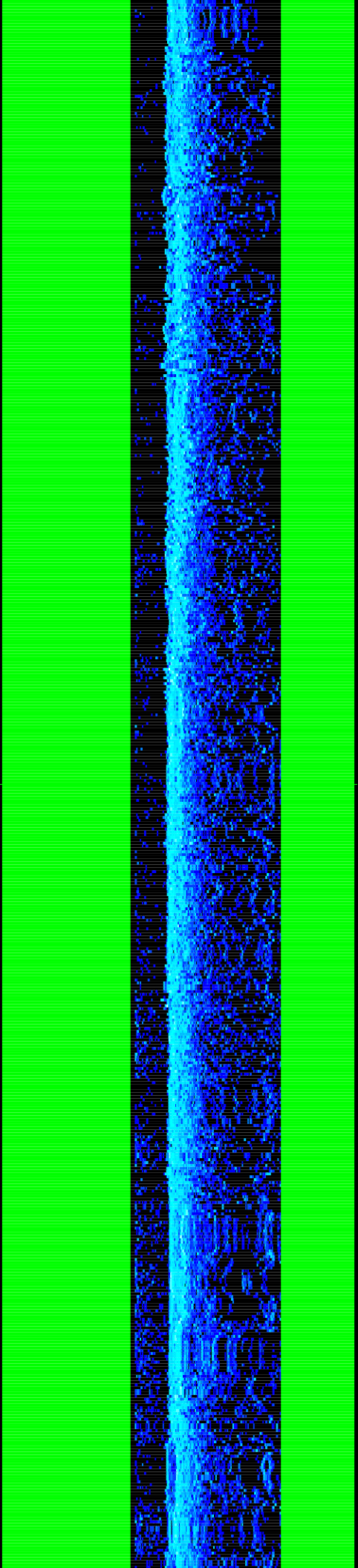
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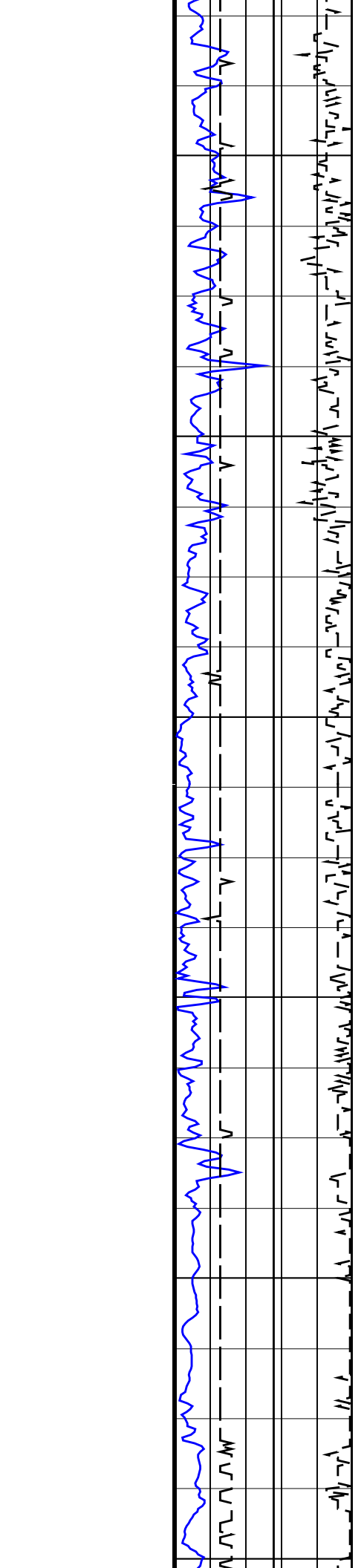
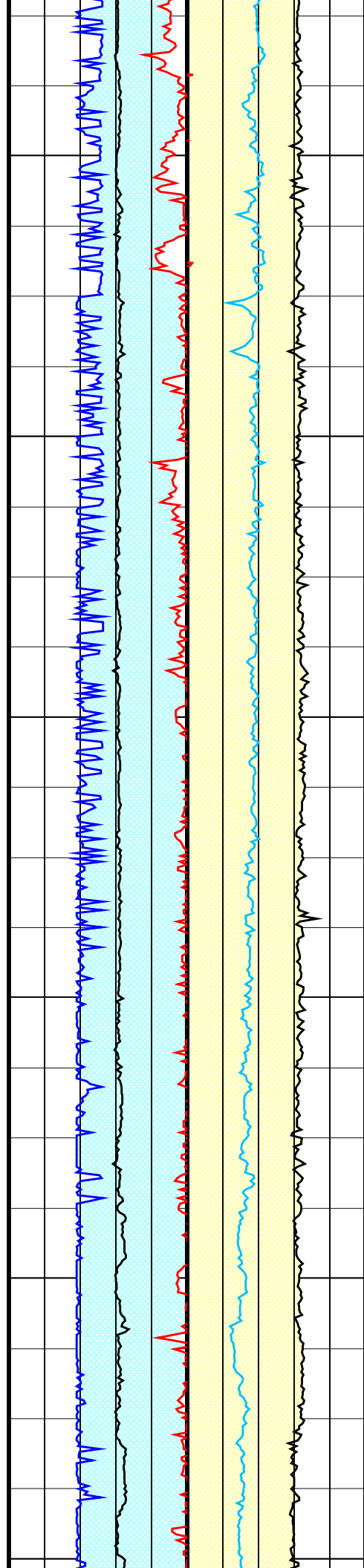
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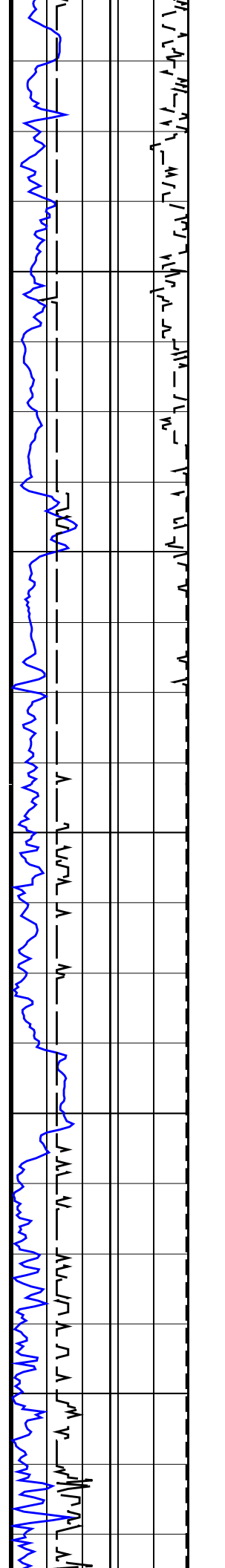
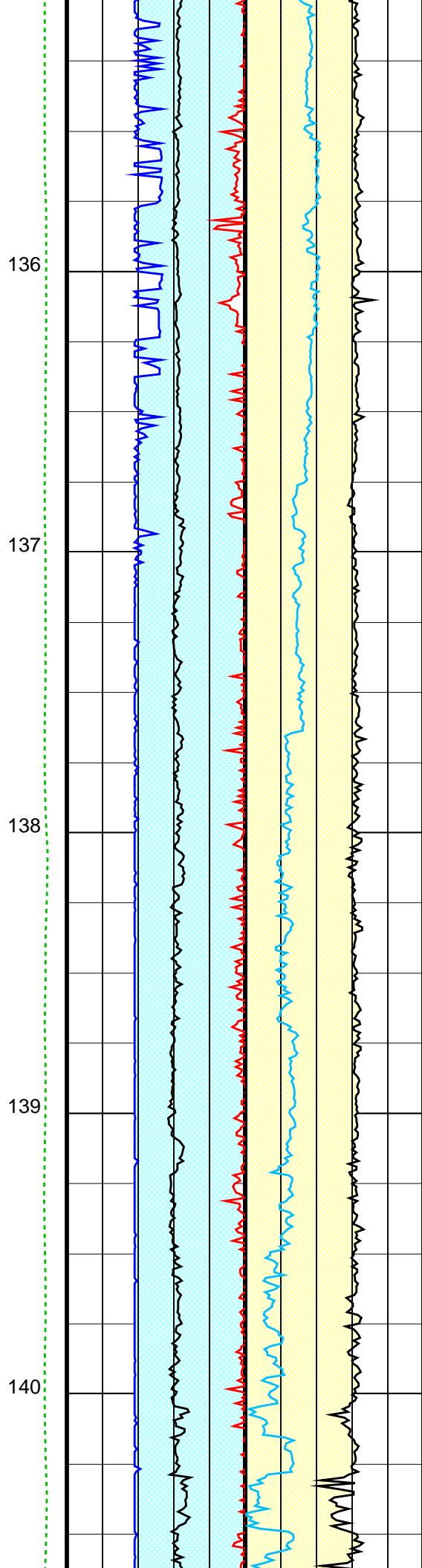
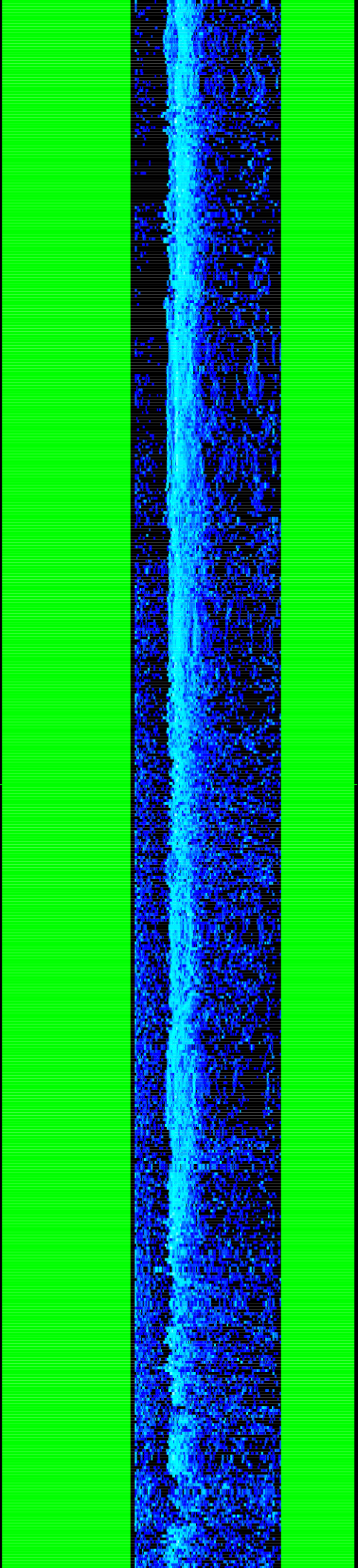
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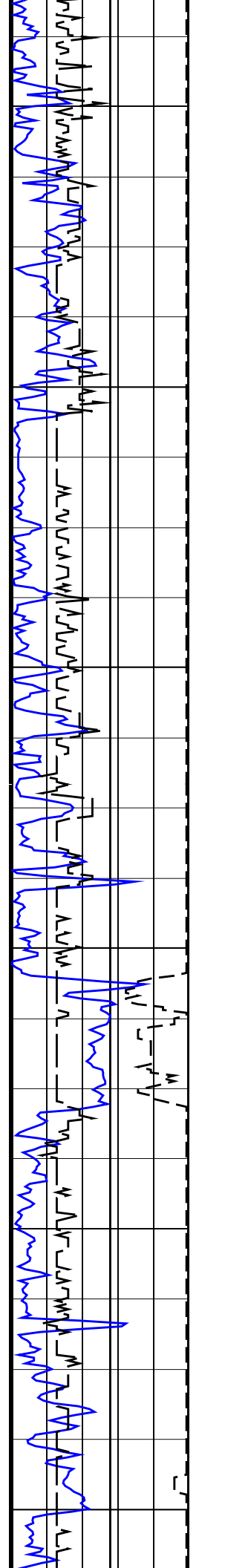
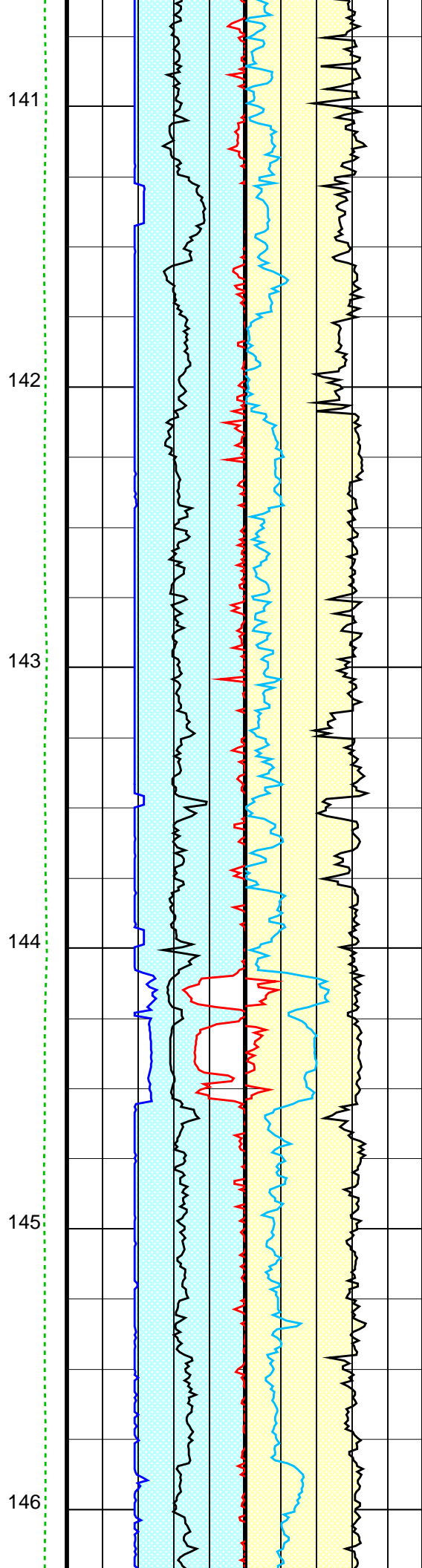
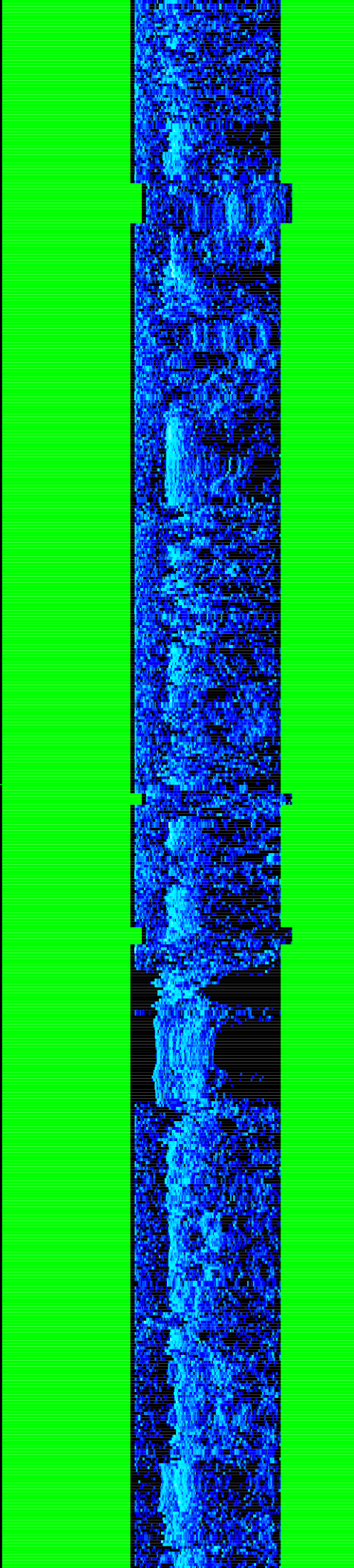
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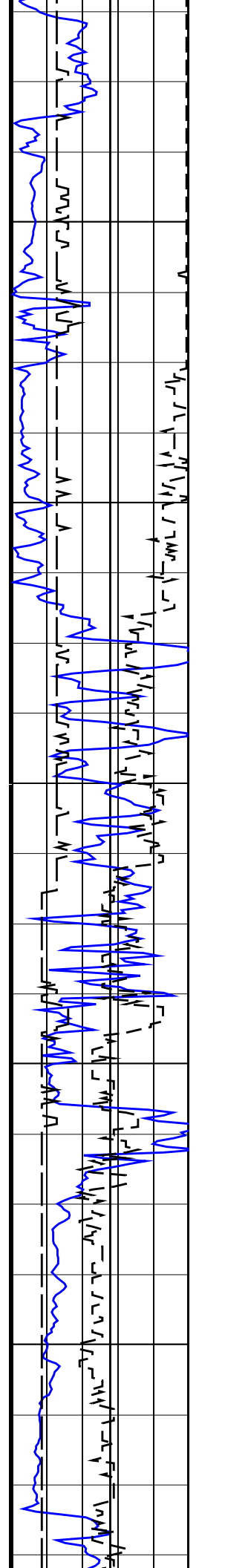
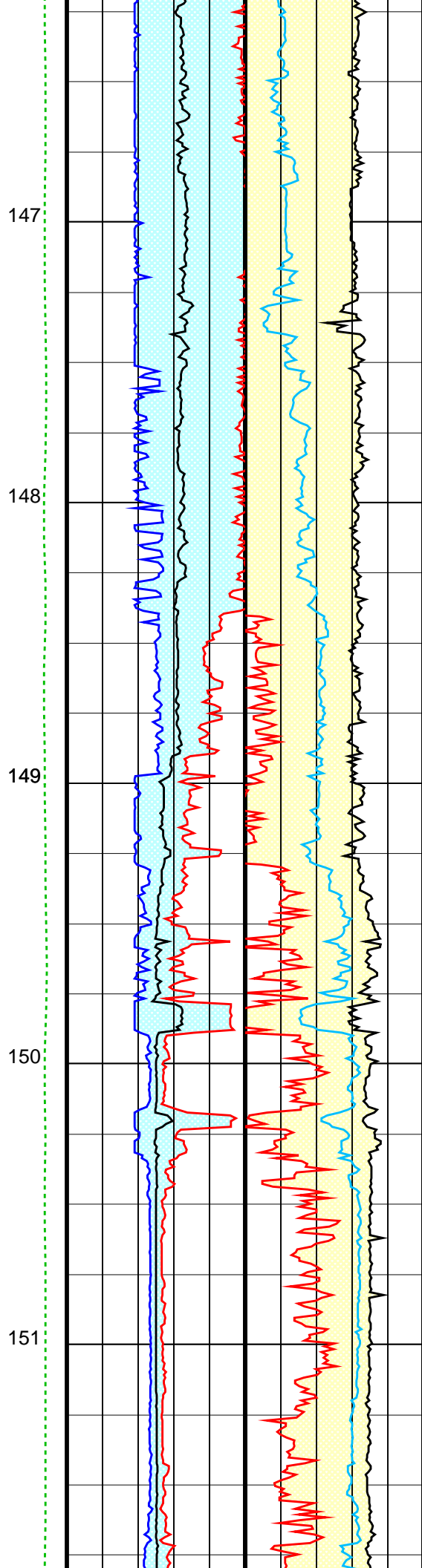
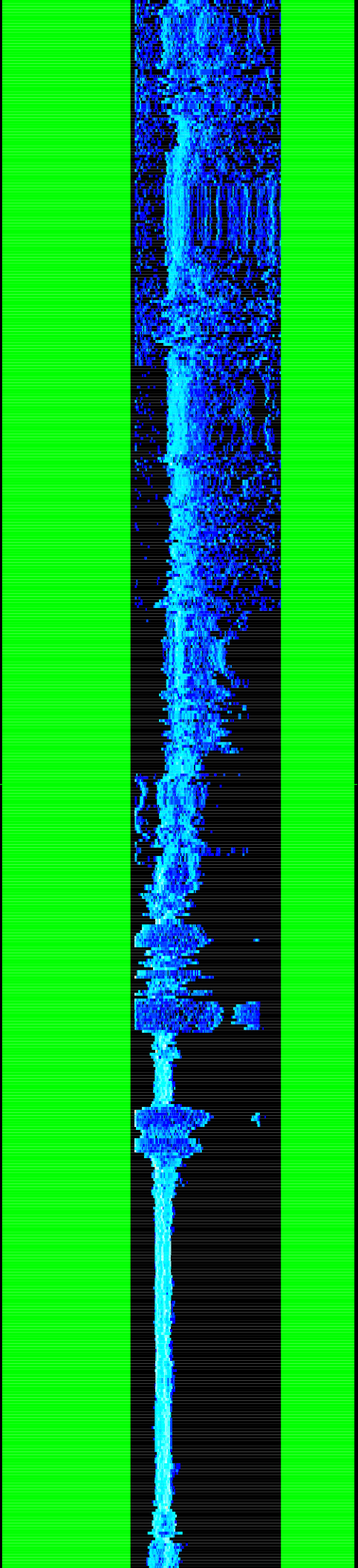
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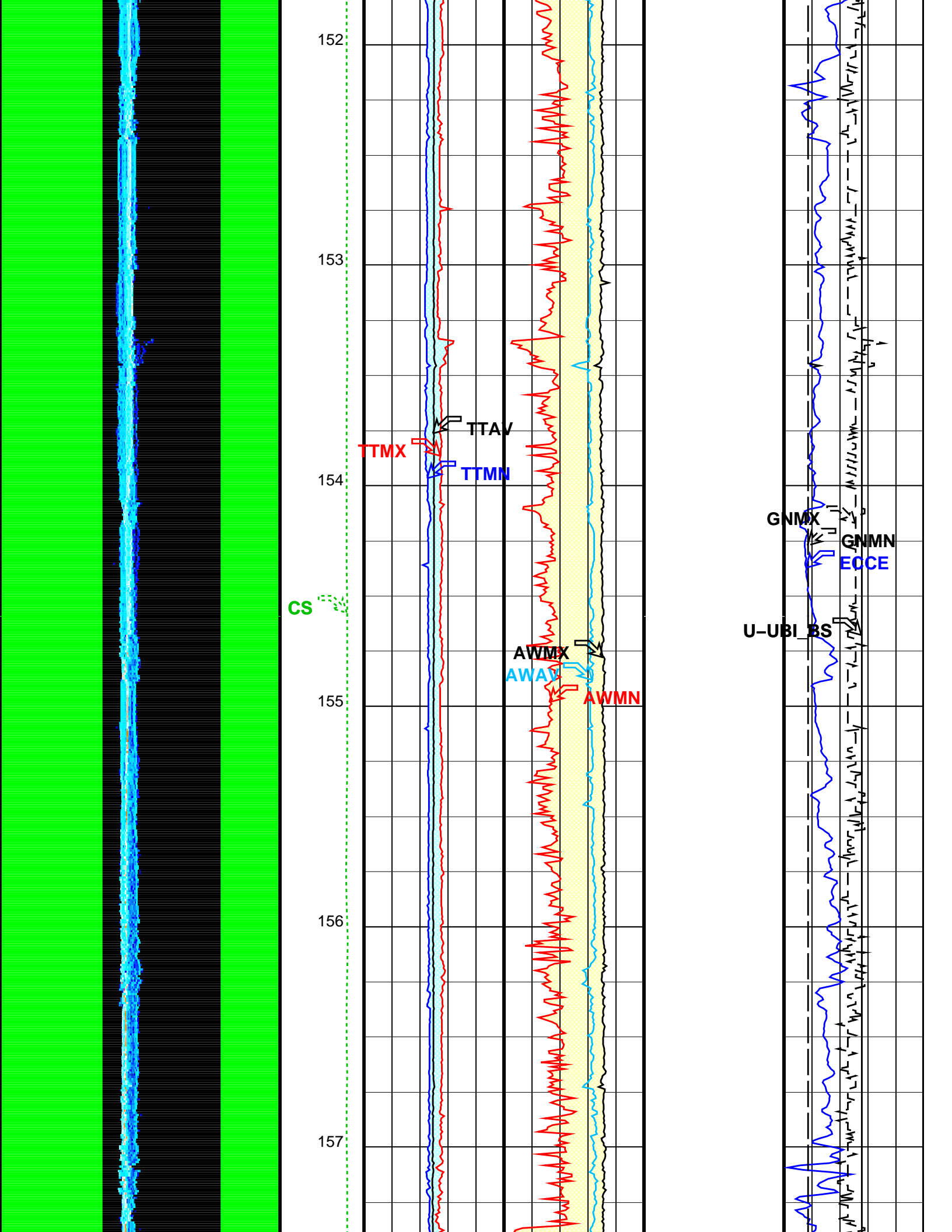
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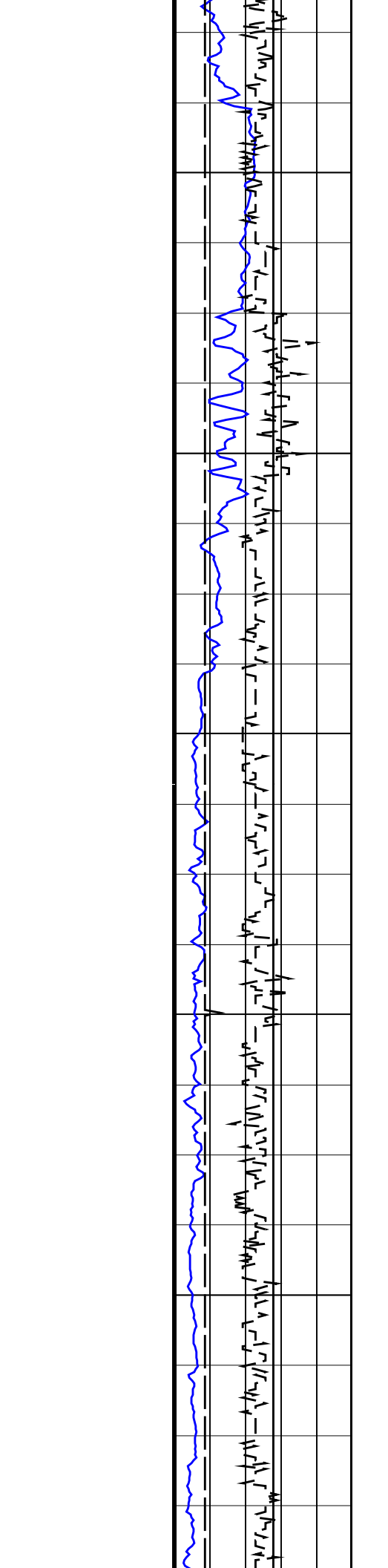
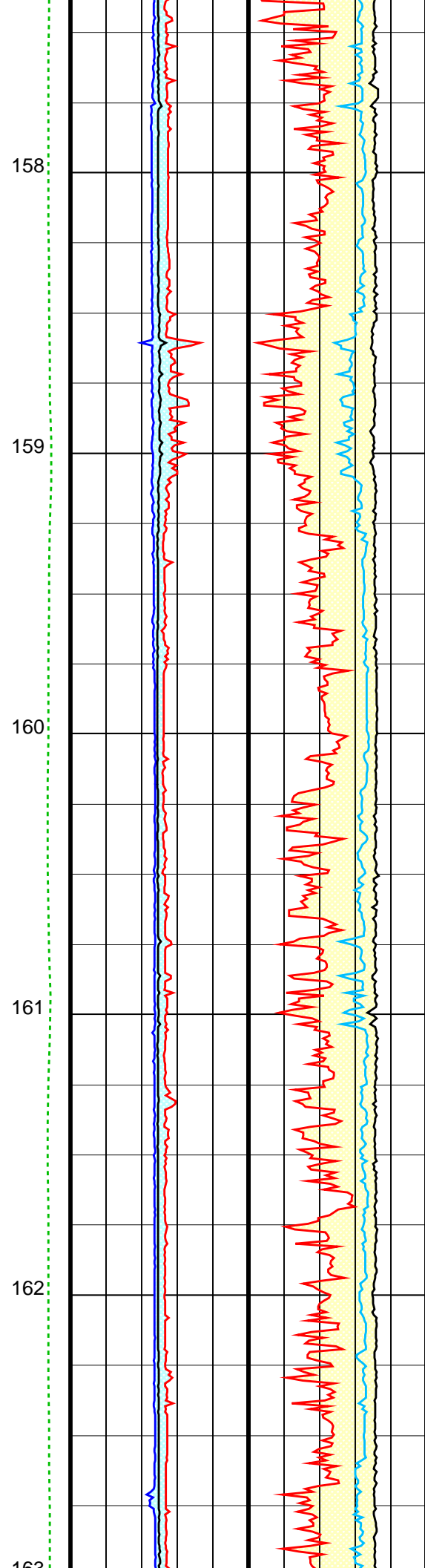
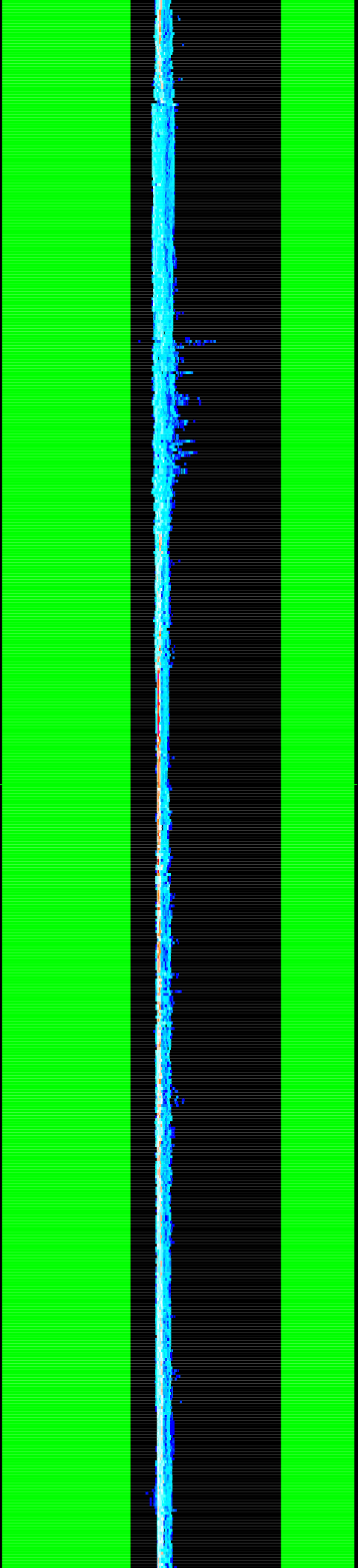


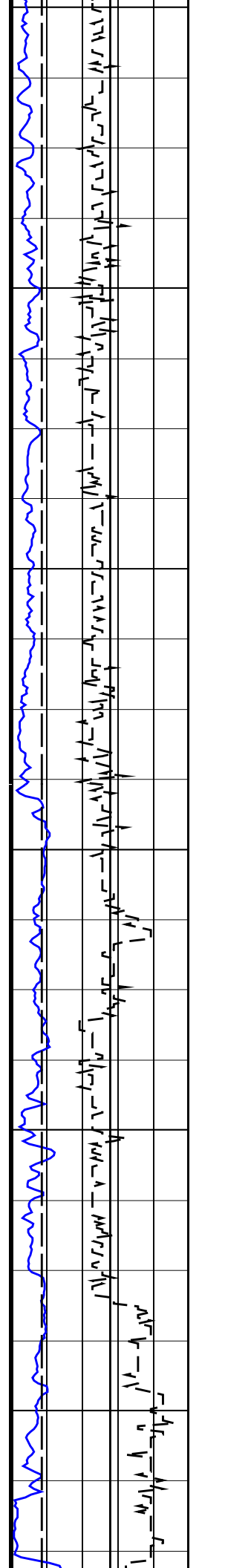
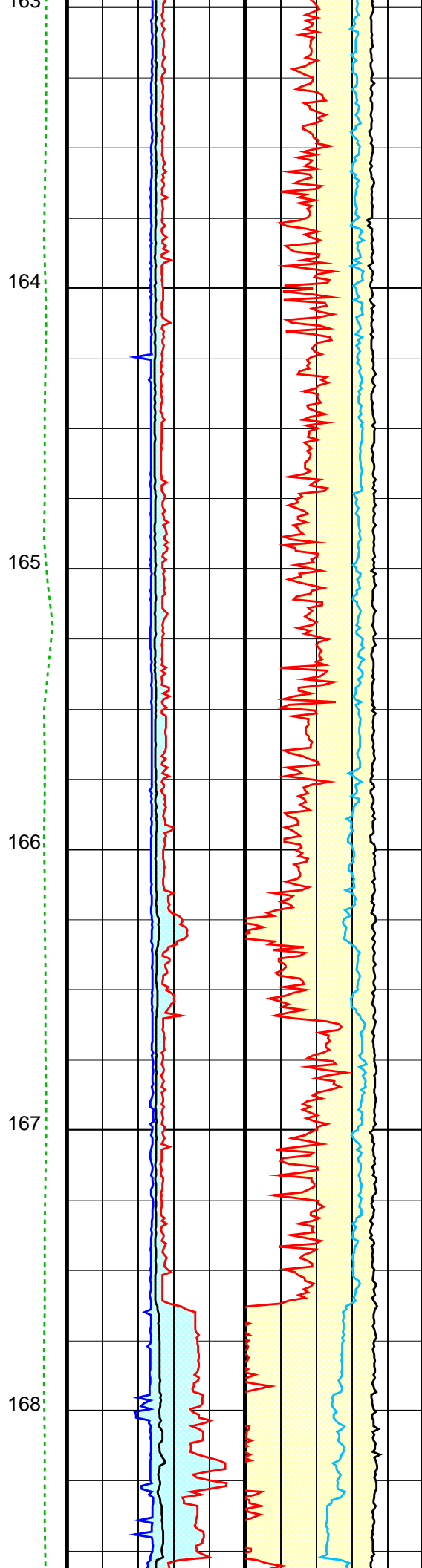
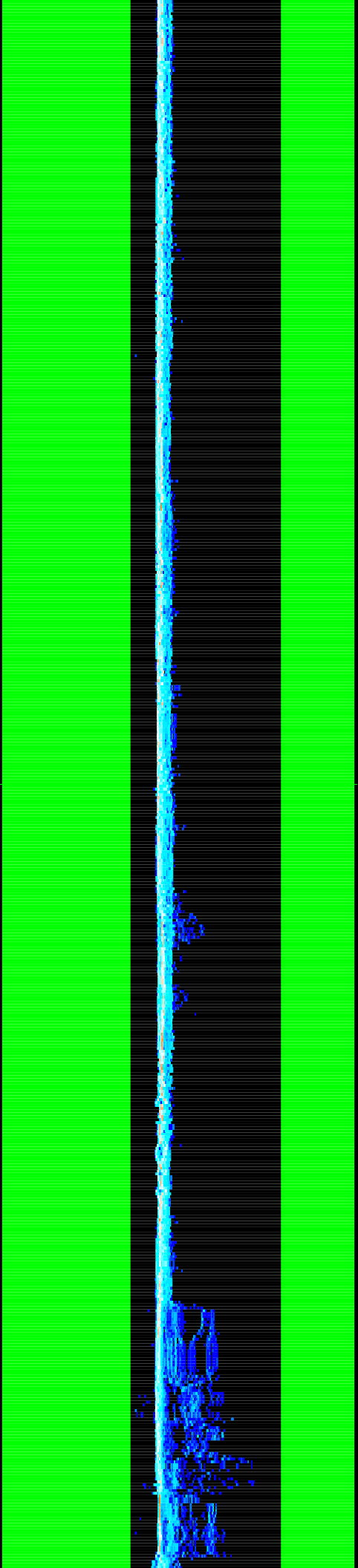


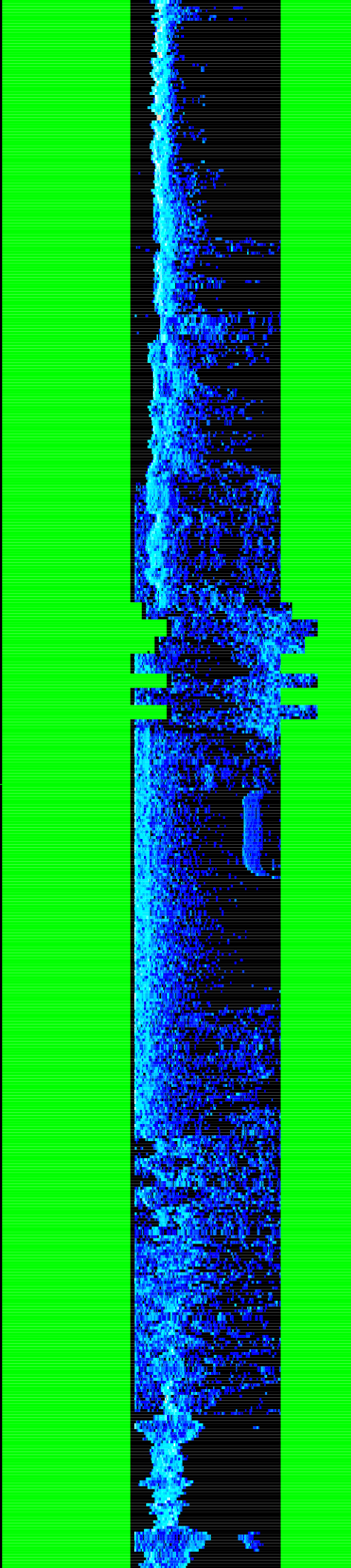




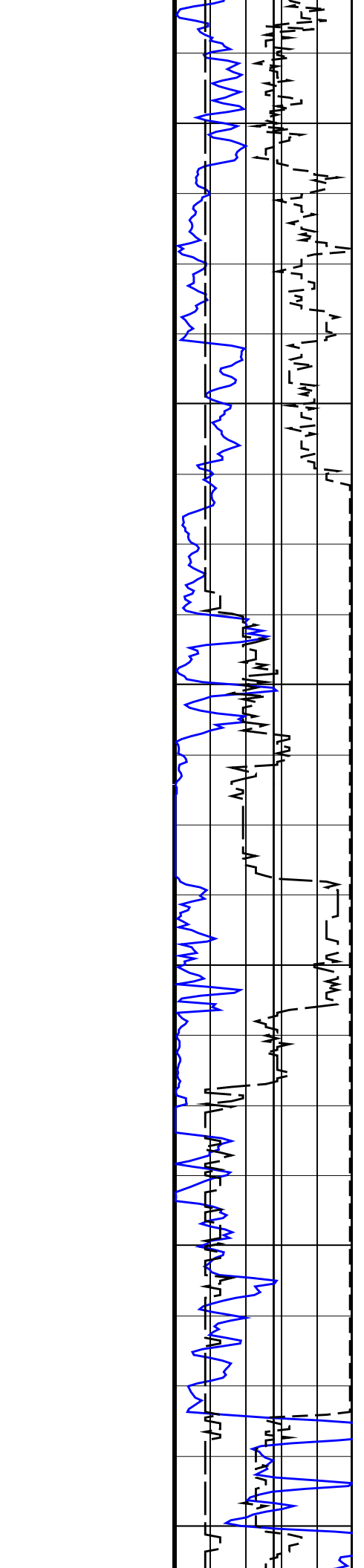
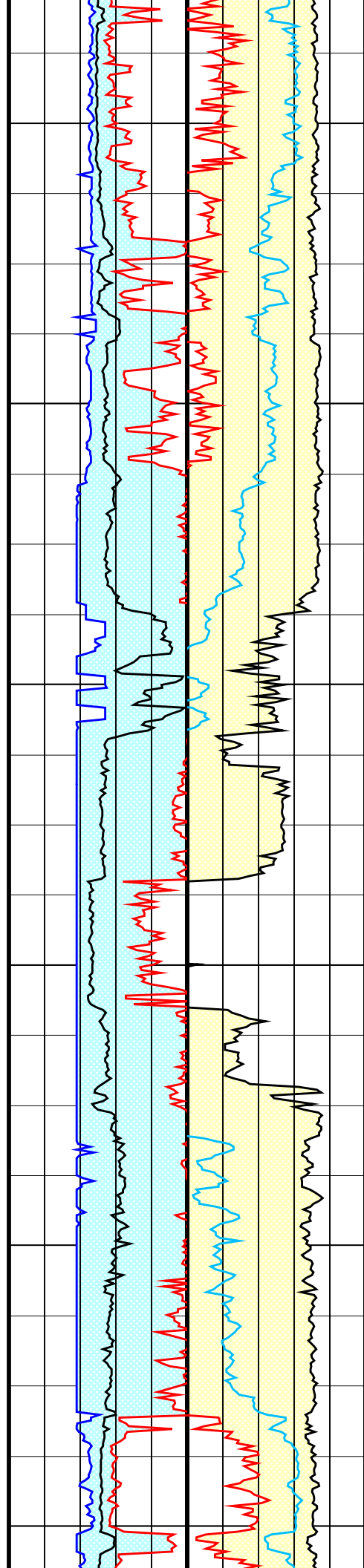


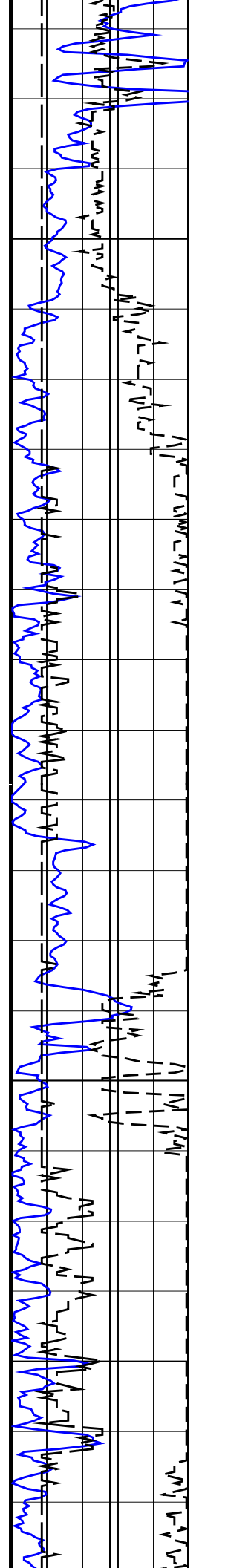
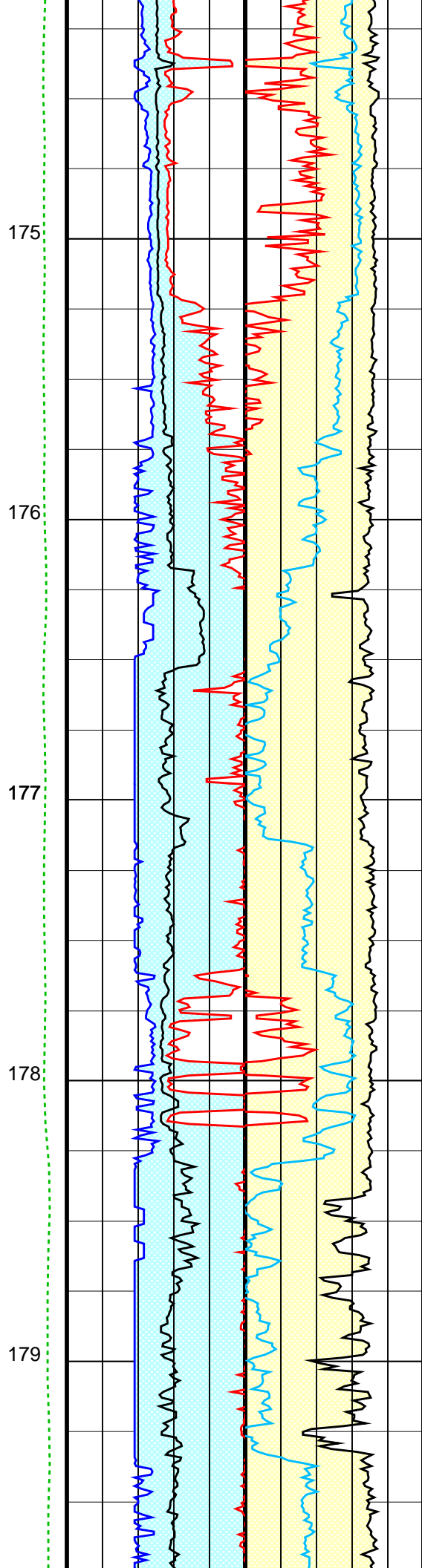
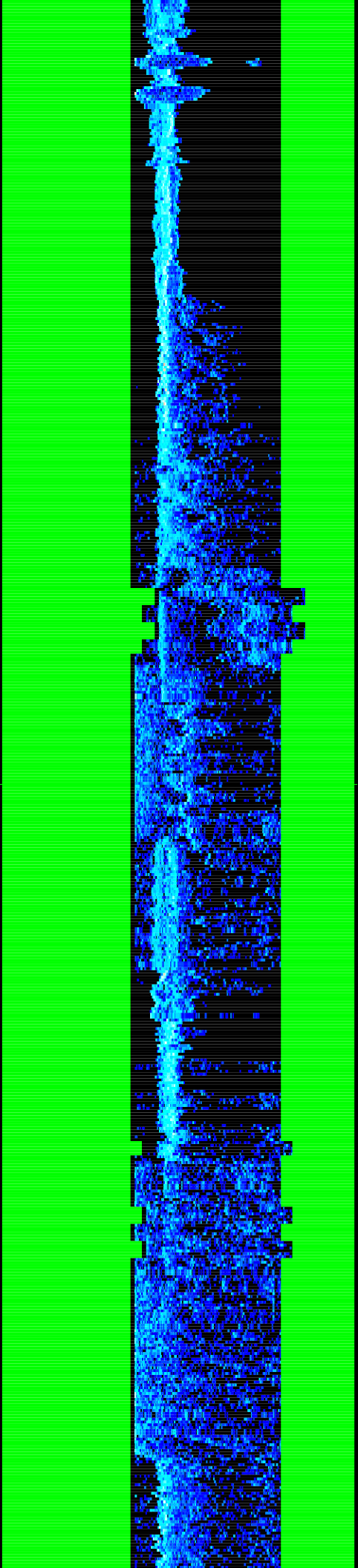


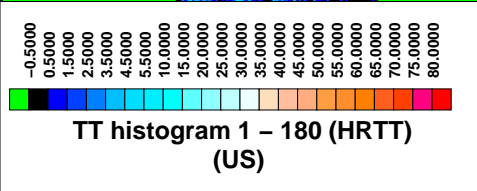
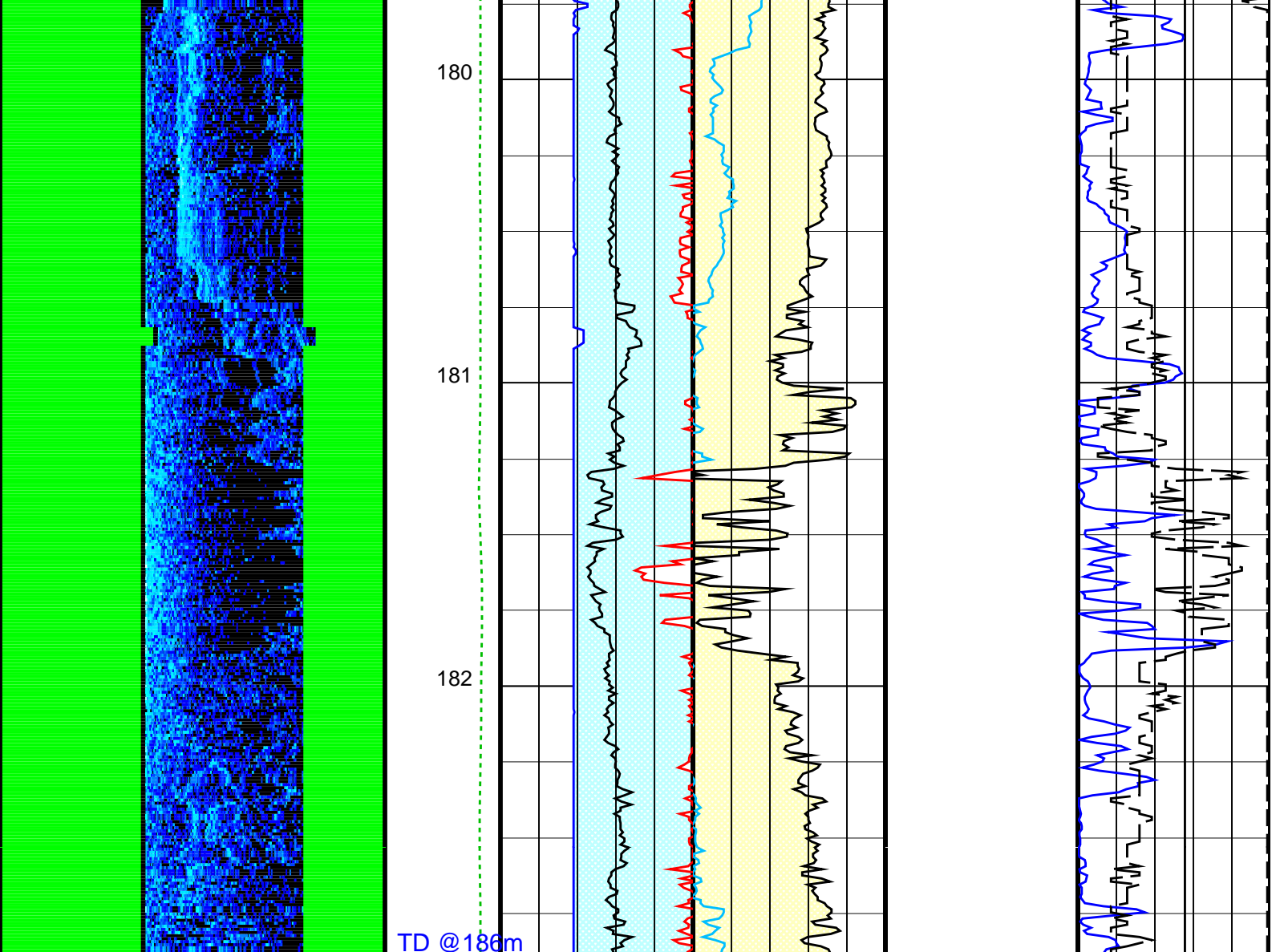




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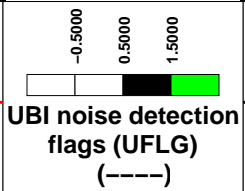






Cable Speed (CS) (F/HR)
0 1000

Transit time min (TTMN) (US)	40	240	Min. of Amplitude (AWMN) (DB)	0	50
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Bit Size (U-UBI_BS) (IN)	0	20
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Transit time max (TTMX) (US)	40	240	Average of Amplitude (AWAV) (DB)	0	50
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Eccent. (ECCE) (IN)	0	0.5
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1st Pass, Sea Floor Depth Reference

Transit time average (TTAV) (US)	40	240	Maximum of Amplitude (AWMX) (DB)	0	50
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MIN value of UPGA in 6 Inches interval (GNMN) (DB)	-12	48
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MAX value of UPGA in 6 Inches interval (GNMX) (DB)	-12	48
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Parameters

DLIS Name	Description	Value
UBI-D:	Ultrasonic Borehole Imager - D	
	UBI Tool Working Mode for FPM	UBI3_SW250_180_1
	UBI Tool Working Mode for Measurement	UBI3_SW250_180_1
	Vertical Resolution	IN: 0.4
	Default Fluid Velocity	206
AAMN	Automatic Amplitude Minimum Scale	2
AGMN	Minimum Gain of Cartridge	-12DB

AGMX	48DB	
AMCM	-6	DB
AMCX	0.2	DB
ANGO	-17	DEG
ATMN	2	US
AWMN	20	DB
AWMX	55	DB
CACN	0	DB
CACX	50	DB
CRCN	3	IN
CRCX	4.5	IN
CSID	0	IN
DCMN	0.8	
DCMX	0.6	
DFVL	200	US/F
DISI	120	
DISR	0	
DOT	1.85	IN
ECRL	FIRST	
EMXV	30	V
ERDB	12	DB
FDOS	0	M
FMOS	0	US/F
FVLM	MEAN	
GCSW	ON	
HFLT	10	
ICMN	-0.15	IN
ICMX	0.15	IN
IMAR	OFF	
INHT	Inh_29us	
LIM1	AUTO	
LIM2	MANUAL	
MLCN	-0.15	IN
MLCX	0.15	IN
NBCD	80	
NBLD	1	
NCDI	30	
PNSW	ON	
RCSO	0.795	IN
RJ60	ON	
RRCN	3	IN
RRCX	4.5	IN
SUBT	Sub_5_inch_S	
SWLV	Inh_18us	
SWMX	Inh_167us	
UBI_USAC_TASK_ALLOW	YES	
UBI_USAC_TASK_TIMEOUT	600	
UFON	OFF	
UGOS	UBI/UCI GPIT Offset	
UMFR	3.63	IN
UPAT	500000	HZ
USFR	Pattern_250K	
USTO	1e+006	HZ
USUB	-3	US
UWKM	Sub_5_inch	
VERR	UBI3_SW250_180_1	
WFVS	IN: 0.4	
WINB	0.4	IN
WINE	18.5	US
	36	US
GPIT-A/B: General Purpose Inclinator		
ACPP	Accelerometer PROM Presence	PRESENT
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE
ART	Accelerometer Reference Temperature	20
GLM	GPIT Logging Mode	DIPM
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION
MAPP	Magnetometer PROM Presence	PRESENT
MDEC	Magnetic Field Declination	-0.895005
MRTE	Magneto Reference Temperature	19
TEMS	GPIT Temperature Sensor Used	BOTH
U-GPOF	Playback OLD VERSION GPIT FILE (BEFORE OP14 + SRPC-3098-FEB_2006_C) ?	NO
HNGS-BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	70
CSD1	Inner Casing Outer Diameter	0
CSD2	Outer Casing Outer Diameter	0
CSW1	Inner Casing Weight	0
CSW2	Outer Casing Weight	0
DBCC	HNGS Barite Constant Correction Flag	NONE
GCSE	Generalized Caliper Selection	BS
GDEV	Average Angular Deviation of Borehole from Normal	0
GGRD	Geothermal Gradient	0.01

GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.0021021	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
ISSBAR	Barite Mud Switch	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	68	DEGF
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	3.02703	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	2.67465	
EDTC-B: Enhanced DTS Cartridge			
BHFL	Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	70	DEGF
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DPPM	Density Porosity Processing Mode	HIRS	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
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	
HSCO	Hole Size Correction Option	YES	
ISSBAR	Barite Mud Switch	BARITE	
ISSBAR_EDTC	Nuclear Mud Type	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	BARI	
MWCO	Mud Weight Correction Option	NO	
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68	DEGF
SOCN	Standoff Distance	0	IN
SOCO	Standoff Correction Option	NO	
TPOS_EDTC	EDTC Tool Centered/Eccentered	Centered	
U-ETELM_EDTS	Telemetry Mode for eWAFE	Standard_EDTS	
U-TELM_EDTS	Telemetry Mode for WAFE	Standard_EDTS	
UHSV: UBI Hole Shape Analysis			
	UBI Tool Working Mode for FPM	UBI3_SW250_180_1	
	UBI Tool Working Mode for Measurement	UBI3_SW250_180_1	
	Vertical Resolution	IN: 0.4	
	Default Fluid Velocity	206	US/F
AAMN	Automatic Amplitude Minimum Scale	2	DB
AGMN	Minimum Gain of Cartridge	-12DB	
AGMX	Maximum Gain of Cartridge	48DB	
AMCM	Amplitude - max color scale minimum	-6	DB
AMCX	Amplitude - max color scale maximum	0.2	DB
ANGO	Angular Offset	-17	DEG
ATMN	Automatic Transit Time Minimum Scale	2	US
AWMN	Amplitude Color Scale Minimum	20	DB
AWMX	Amplitude Color Scale Maximum	55	DB
CACN	Corrected Amplitude Color Scale Minimum	0	DB
CACX	Corrected Amplitude Color Scale Maximum	50	DB
CRCN	Corrected Radii Color Scale Minimum	3	IN
CRCX	Corrected Radii Color Scale Maximum	4.5	IN
CSID	Casing Inner Diameter	0	IN
DCMN	Window Decrement Down	0.8	
DCMX	Window Decrement Up	0.6	
DFVL	Default Fluid Velocity	200	US/F
DISI	Radial Plot Depth Increment	120	
DISR	Radial Plot Display Requested	0	
DOT	Diameter of Tool	1.85	IN
ECRL	Eccentering Correction Level	FIRST	
EMXV	EMEX Voltage	30	V
ERDB	Eccentering Rejection	12	DB
FDOS	FVEL Depth Offset	0	M
FMOS	FVEL Measurement Offset	0	US/F
FVLM	Fluid Velocity Filter	MEAN	
GCSW	Gain Correction	ON	
HFLT	FVEL Filter Size	10	
ICMN	Internal Corrosion Color Scale Minimum	-0.15	IN
ICMX	Internal Corrosion Color Scale Maximum	0.15	IN
IMAR	Image Rotation	OFF	
INH1	FIFO Inhibition Time	Inh_29us	
LIM1	Minimum Limit Control	AUTO	

LIM1	Minimum Limit Control	AUTO	
LIM2	Maximum Limit Control	MANUAL	
MLCN	Metal Loss Color Scale Minimum	-0.15	IN
MLCX	Metal Loss Color Scale Maximum	0.15	IN
NBCD	Color Correction Depth Level	80	
NBLD	Eccentering Correction Depth Level	1	
NCDI	Noise Correction Depth Interval	30	
PNSW	Processing Noise Correction	ON	
RCSO	Reference Calibrator Standoff	0.795	IN
RJ60	60 Hz Correction	ON	
RRCN	Radii Color Scale Minimum	3	IN
RRCX	Radii Color Scale Maximum	4.5	IN
SUBT	UBI Sub type	Sub_5_inch_S	
SWLV	Sliding Window Minimum	Inh_18us	
SWMX	Sliding Window Maximum	Inh_167us	
UFON	UBI Flagging of Lost Echoes	OFF	
UGOS	UBI/UCI GPIT Offset	3.63	IN
UMFR	Modulation Frequency	500000	HZ
UPAT	Emission Pattern	Pattern_250K	
USFR	Sampling Frequency	1e+006	HZ
USTO	Ultrasonic Time Offset	-3	US
USUB	UBI Sub Identifier	Sub_5_inch	
UWKM	Current Working Mode	UBI3_SW250_180_1	
VERR	acq VERTICAL Resolution	IN: 0.4	
WFVS	Vertical Sampling	0.4	IN
WINB	Window Beginning Time	18.5	US
WINE	Window end time	36	US

System and Miscellaneous

ALTDPCCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	11.000	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	5.500	IN
CWEI	Casing Weight	43.00	LB/F
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	-550.0	M
FLEV	Fluid Level	0.00	M
MST	Mud Sample Temperature	-50000.00	DEGC
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	NORMAL	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	3740	FT
TDD	Total Depth - Driller	1133.00	M
TDL	Total Depth - Logger	737.00	M
TWS	Temperature of Connate Water Sample	37.78	DEGC

Format: UBI_QC Vertical Scale: 1:20 Graphics File Created: 03-Dec-2012 05:09

OP System Version: 19C0-187

UBI-D	SRPC-5095-H2-2011-OP19	GPIT-A/B	19C0-187
DTA-A	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

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Output DLIS Files

DEFAULT	UBI_NGS_073PUP	FN:101	PRODUCER	03-Dec-2012 05:08		
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Company: Lamont Doherty Well: Expedition 344, Site U1413C

Input DLIS Files

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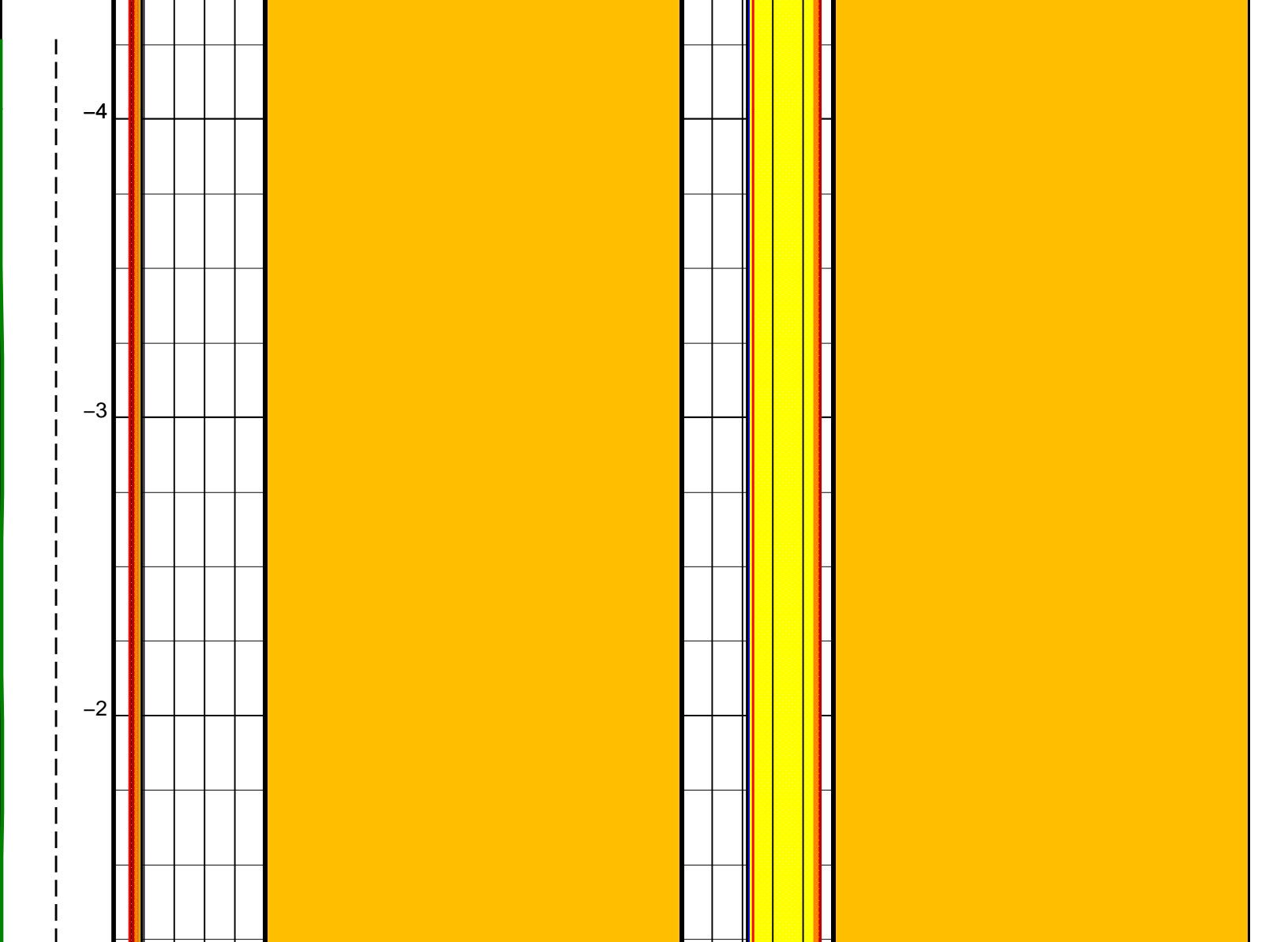
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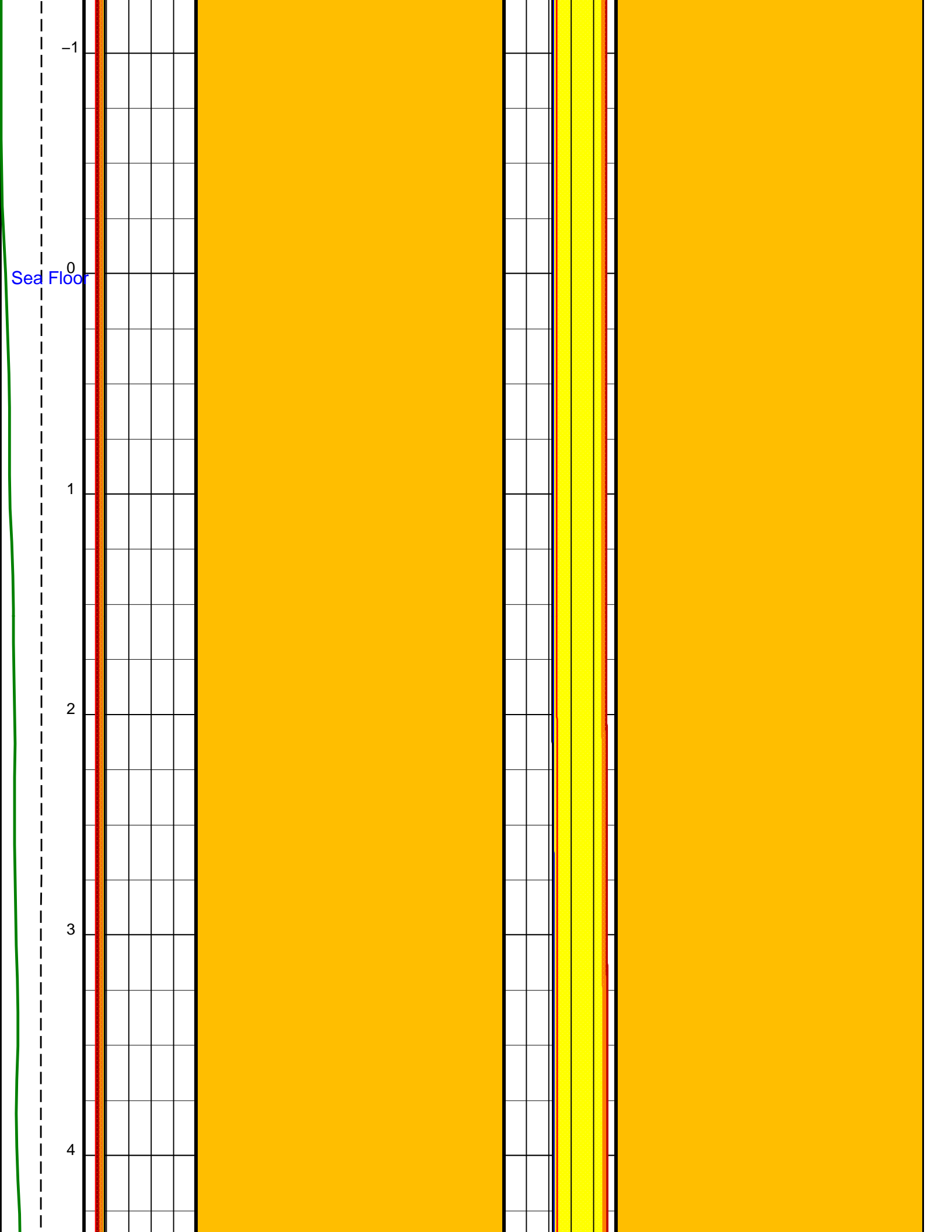
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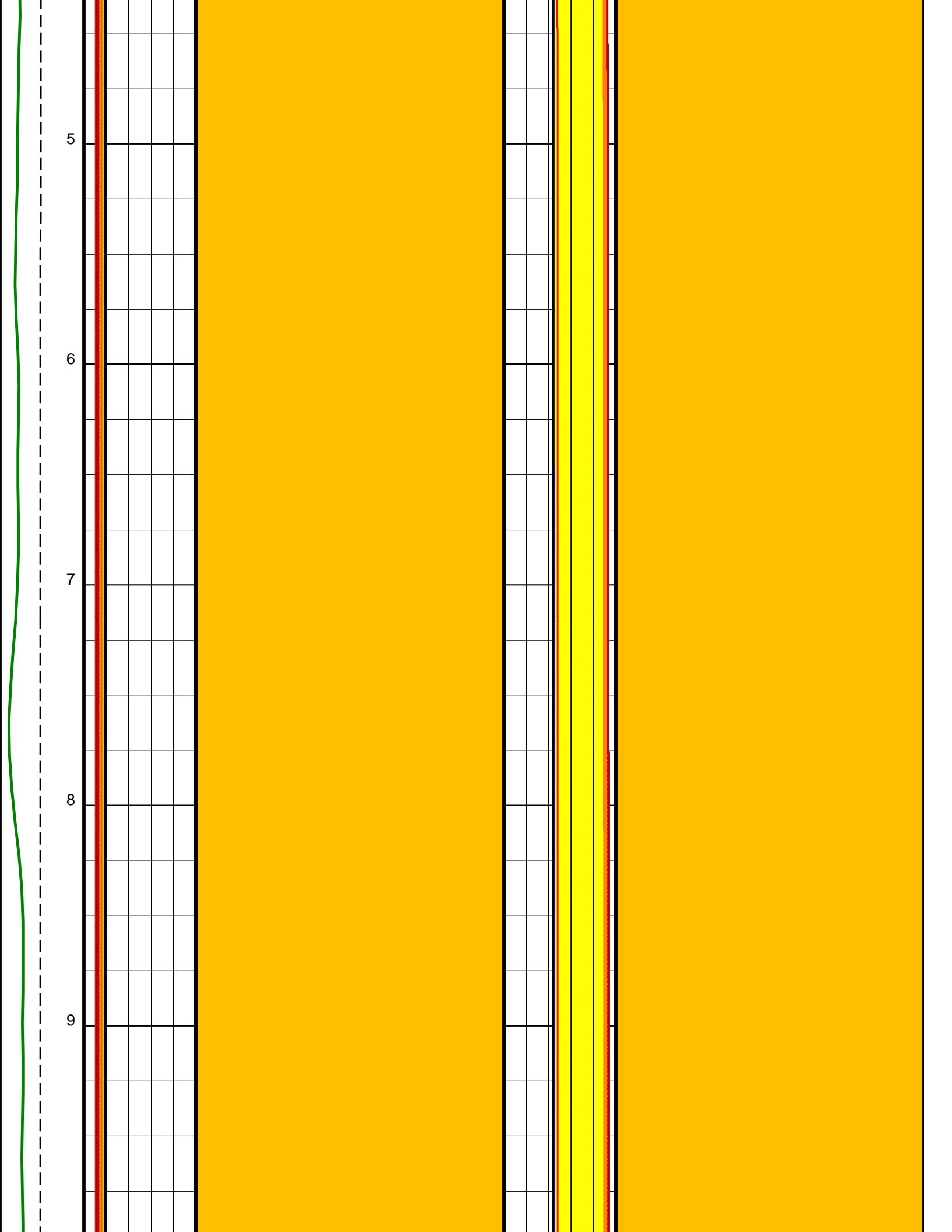
OP System Version: 19C0-187

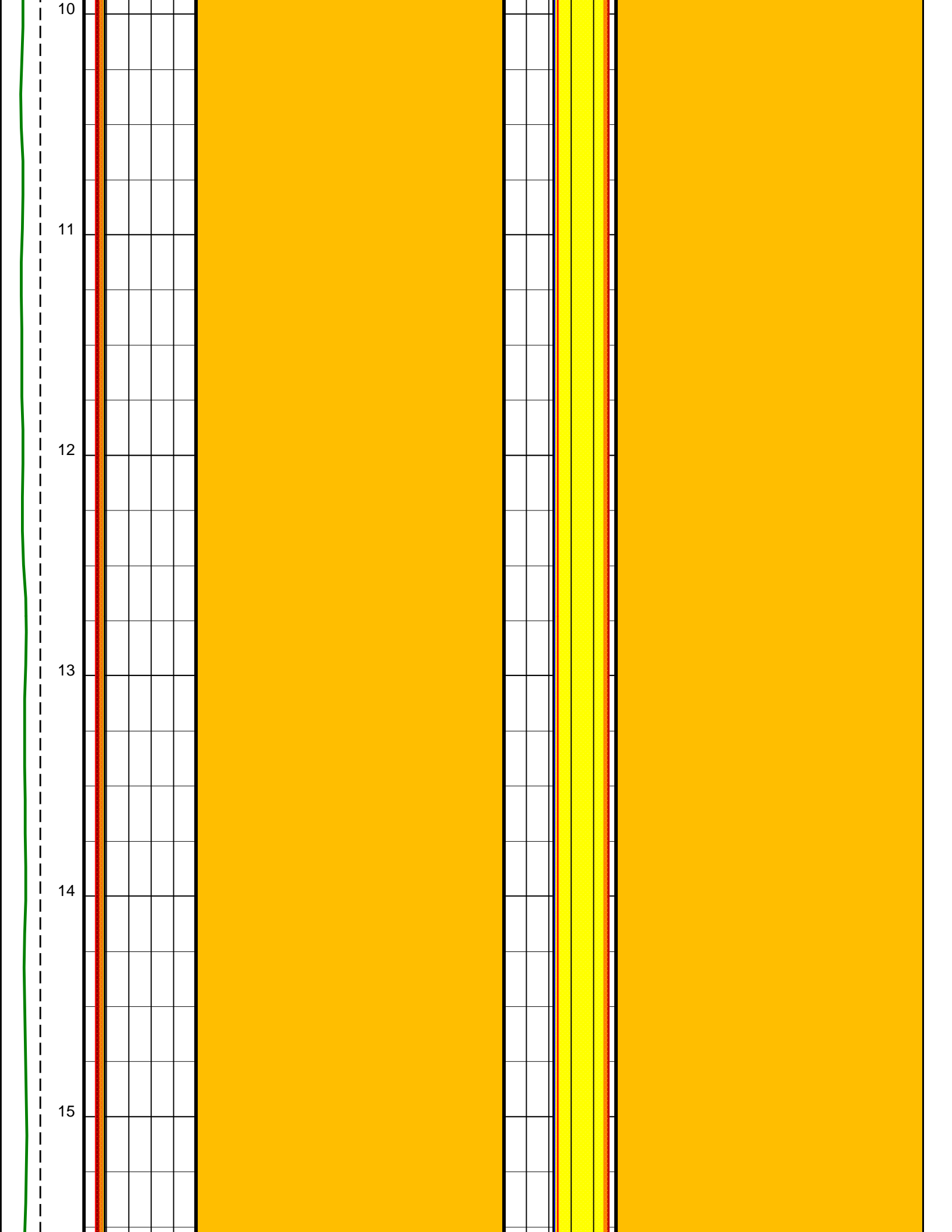
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DTA-A	19C0-187	HNGC-B	19C0-187

	HIGH Amplitude (FA75) 0 (DB) 50		Radius max (UTMX) 3 (IN) 6	
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 75	MEDIAN of Amplitude (FAED) 0 (DB) 50	2nd Pass, Sea Floor Depth Reference	Radius min (UTMN) 3 (IN) 6	
Fluid velocity (CFVL) (US/F) 150 250	Maximum of Amplitude (UAMX) 0 (DB) 50		Radius HIGH (FT75) 3 (IN) 6	
Cable Speed (CS) (F/HR) 0 1000	Min. of Amplitude (UAMN) 0 (DB) 50		Radius LOW (FT25) 3 (IN) 6	
Rev. speed (RSAV) 6 (RPS) 8	LOW Amplitude (FA25) 0 (DB) 50	Corrected Amplitude (AWCN) (DB) -500.0000 0.0000 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.0000 11.0000 12.0000 13.0000 14.0000 15.0000	MEDIAN Radius (FTED) 3 (IN) 6	Corrected transit time (TTCN) (US) -500.0000 0.0000 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.0000 11.0000 12.0000 13.0000 14.0000 15.0000

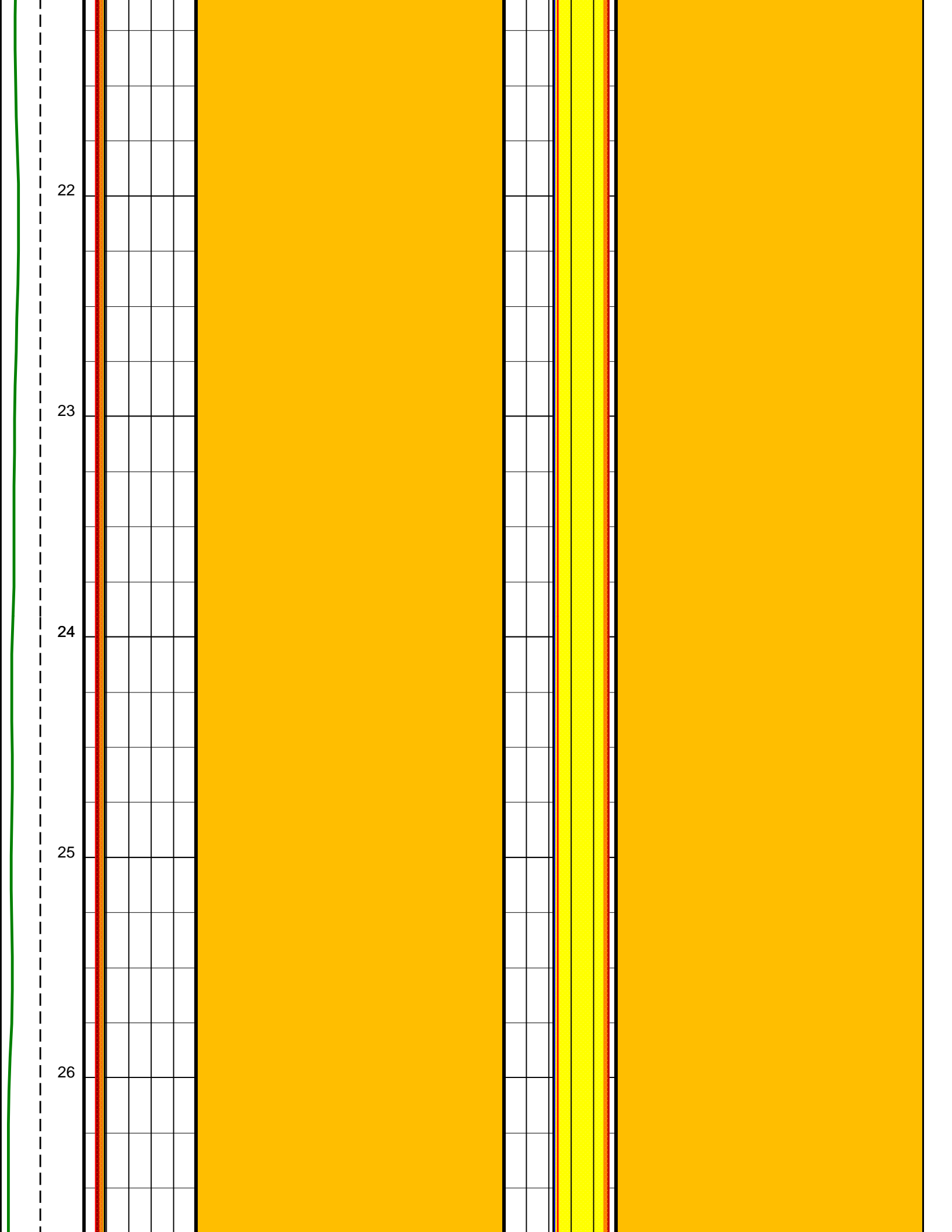












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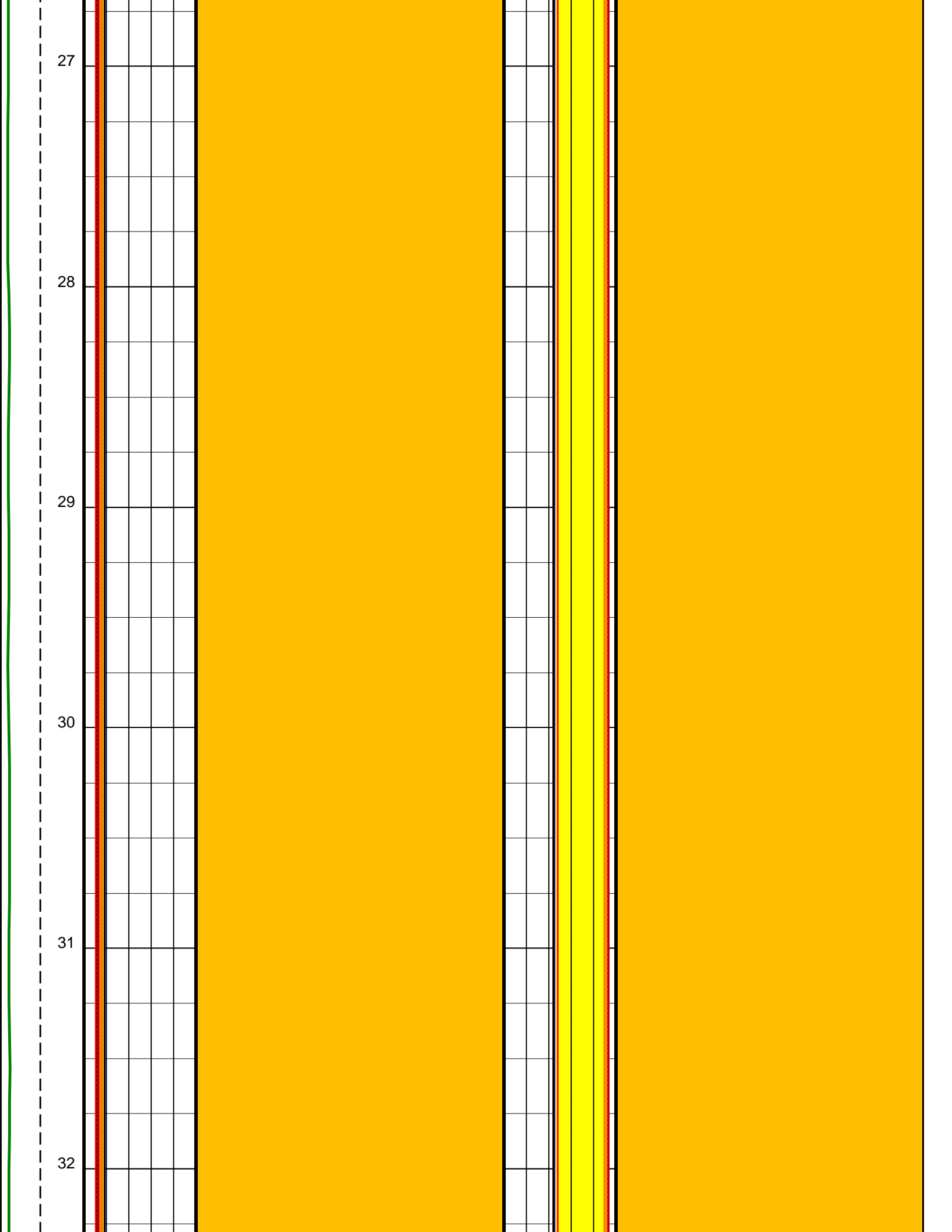
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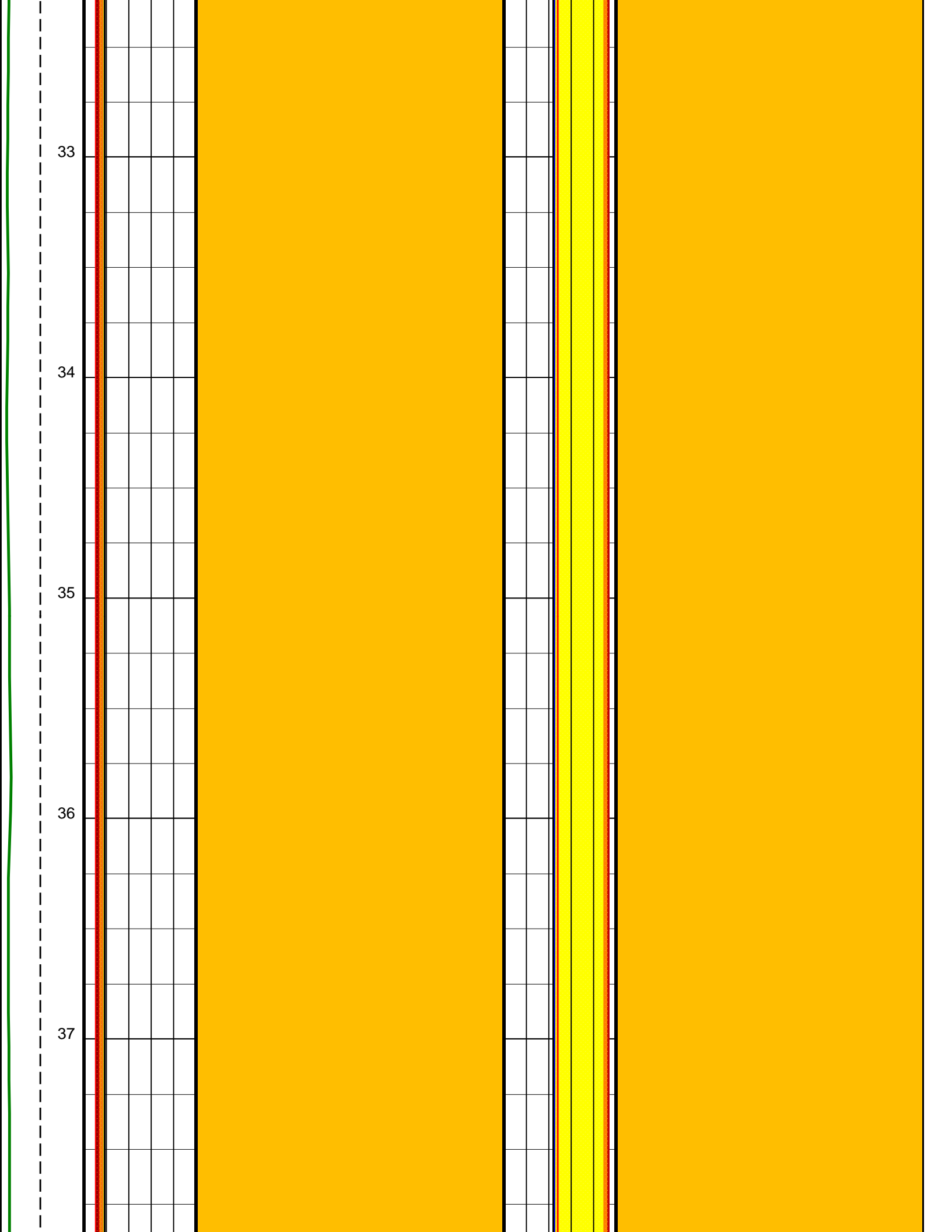
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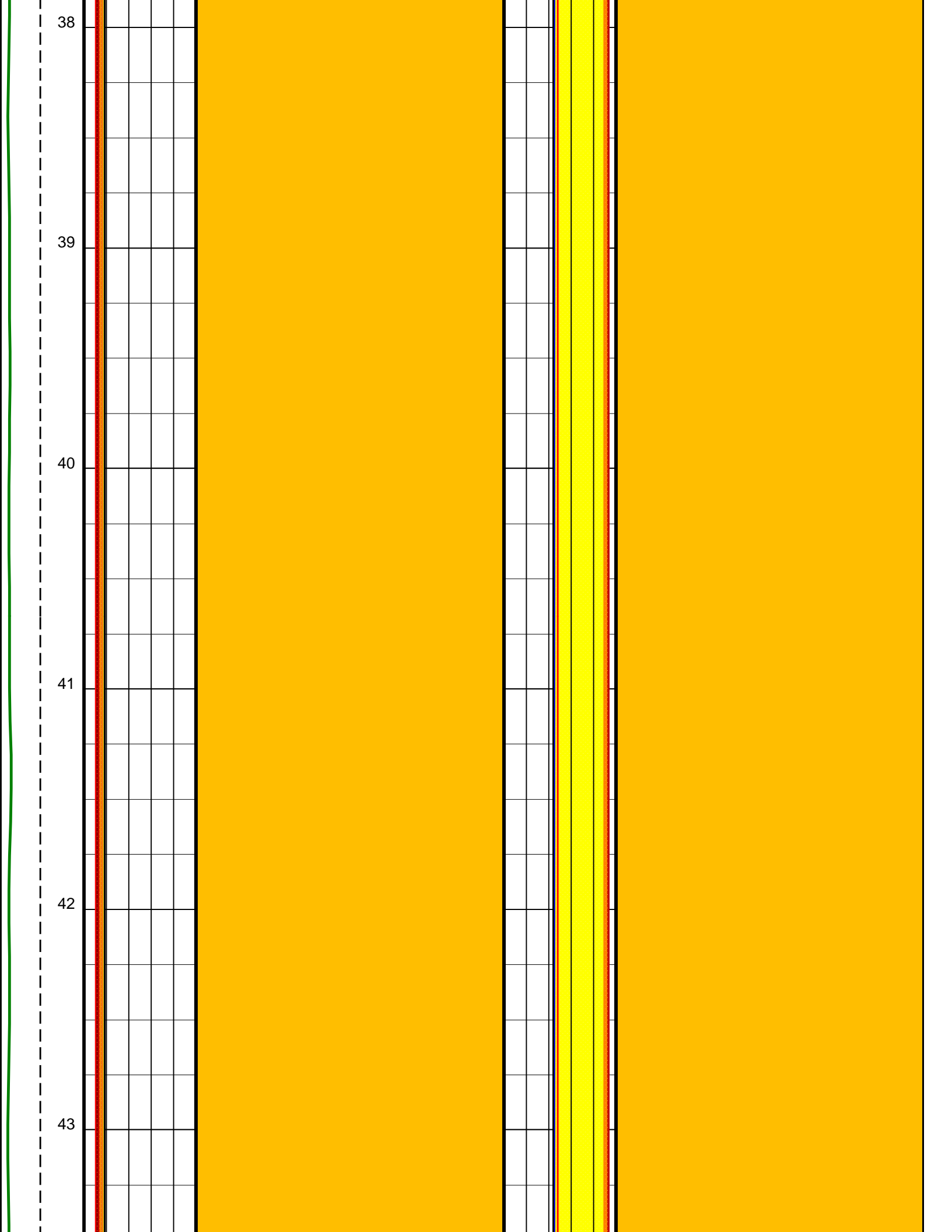
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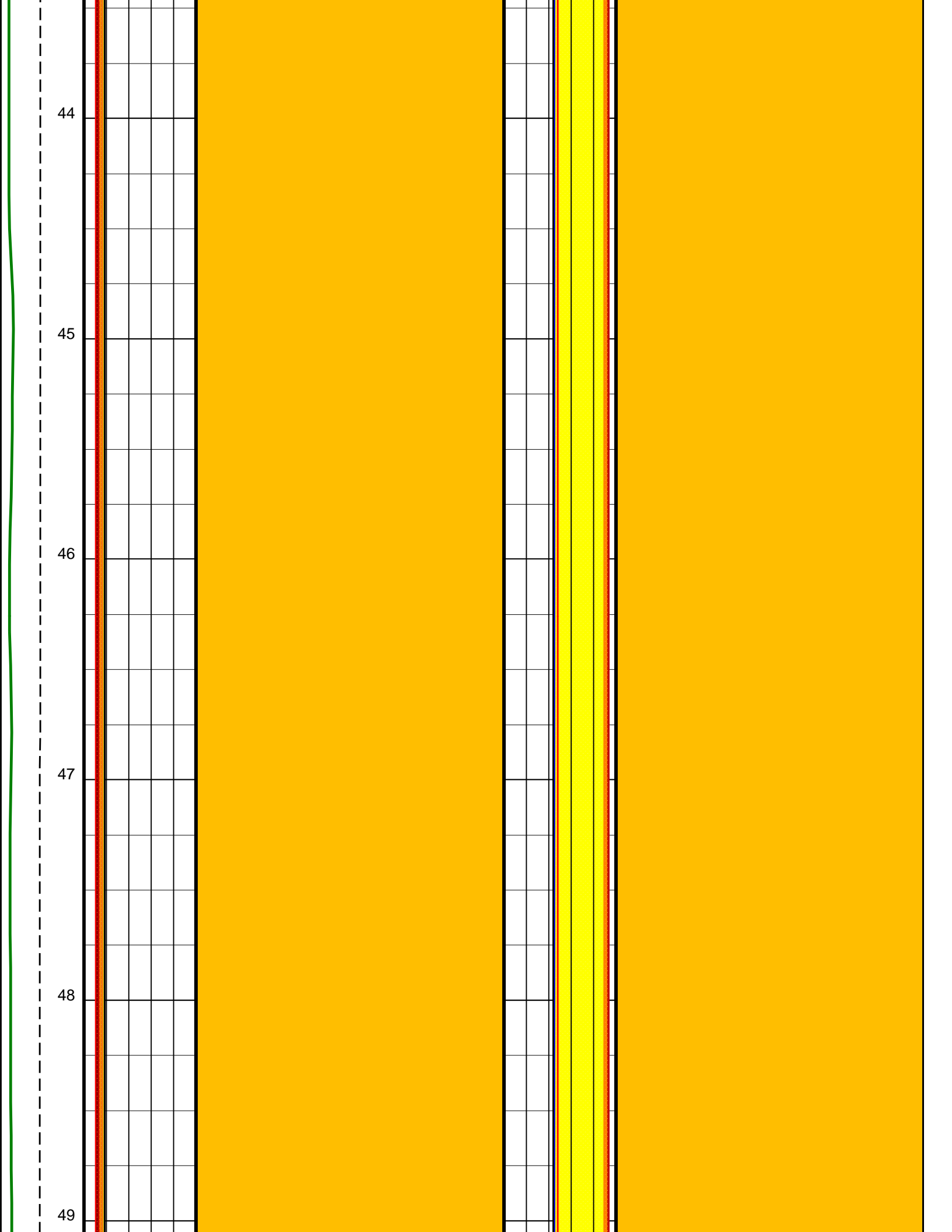
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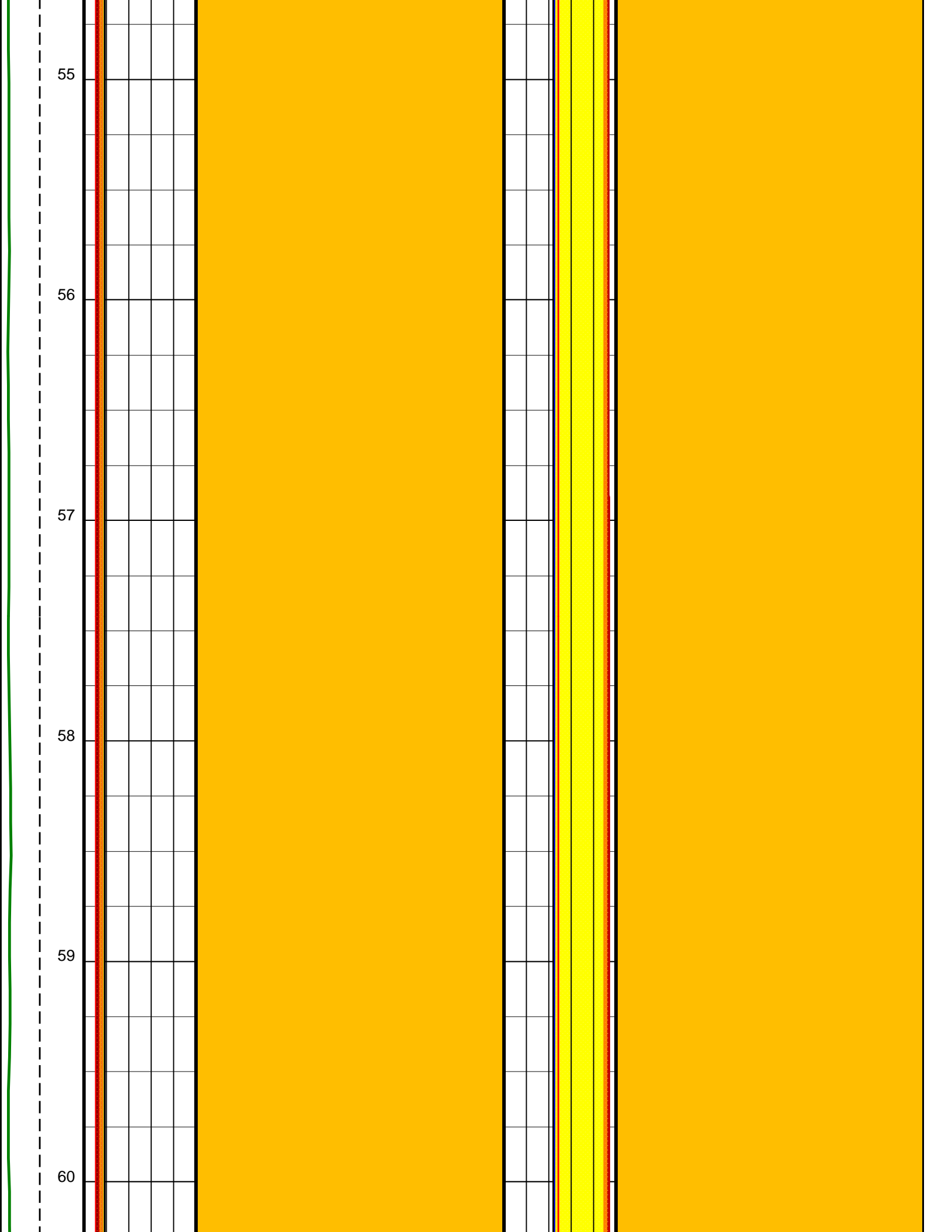
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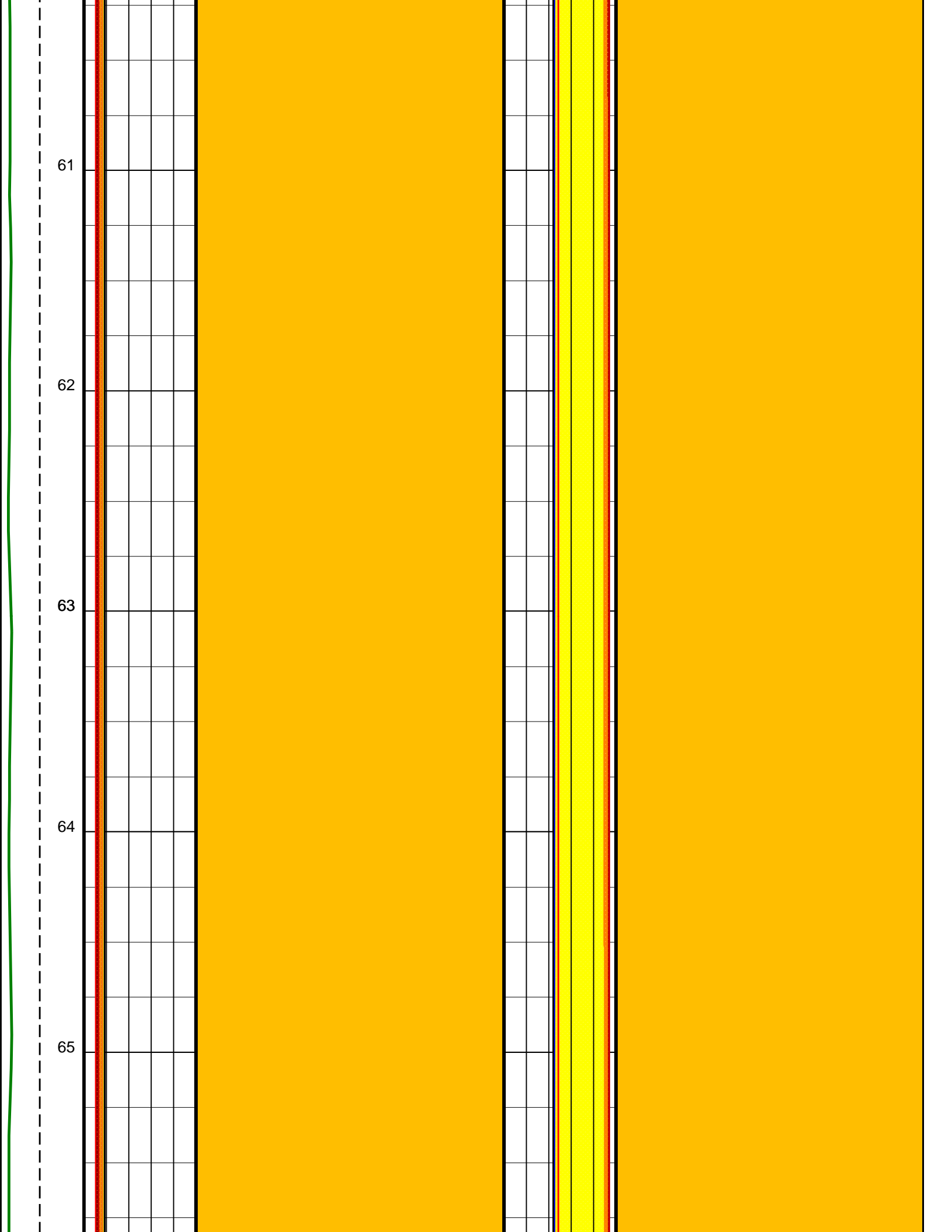
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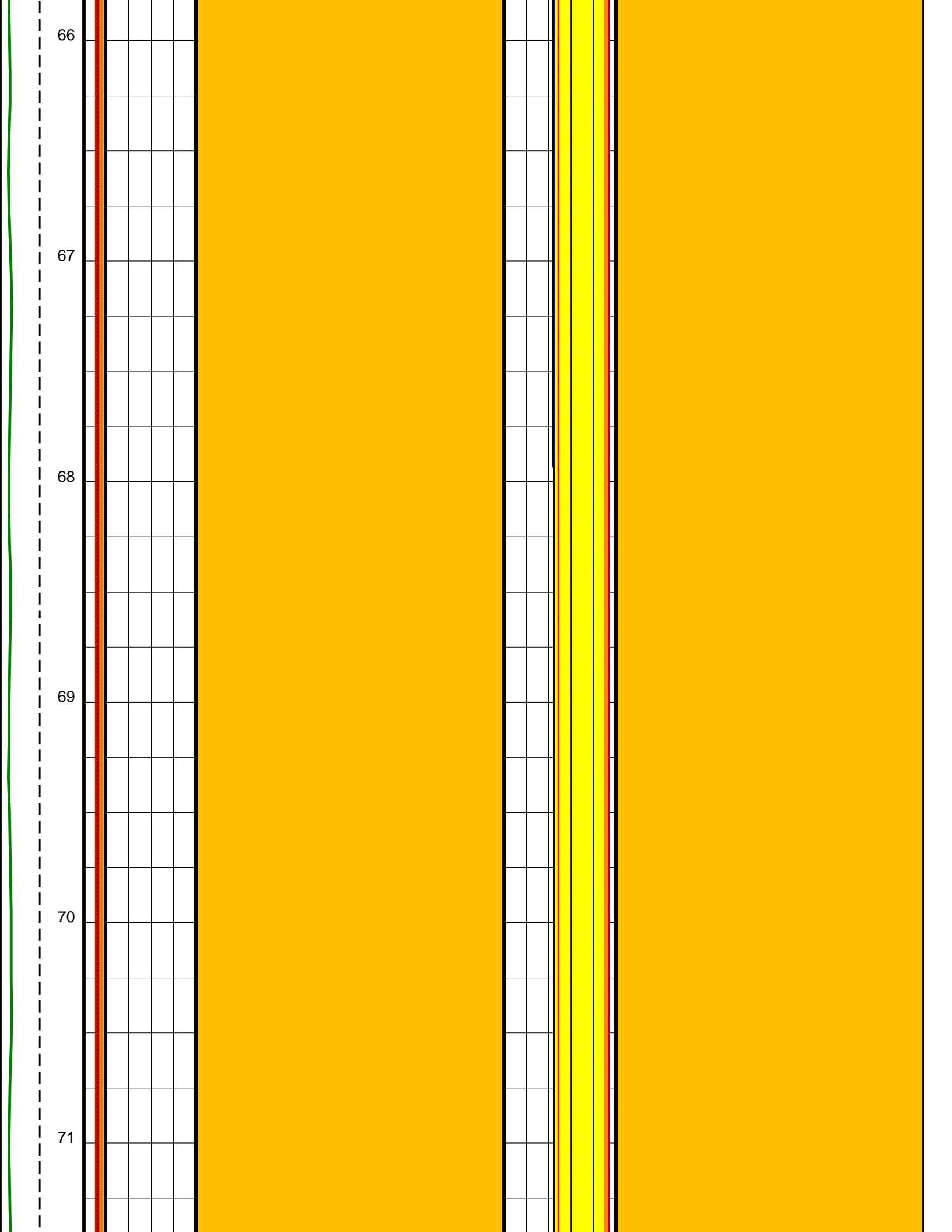
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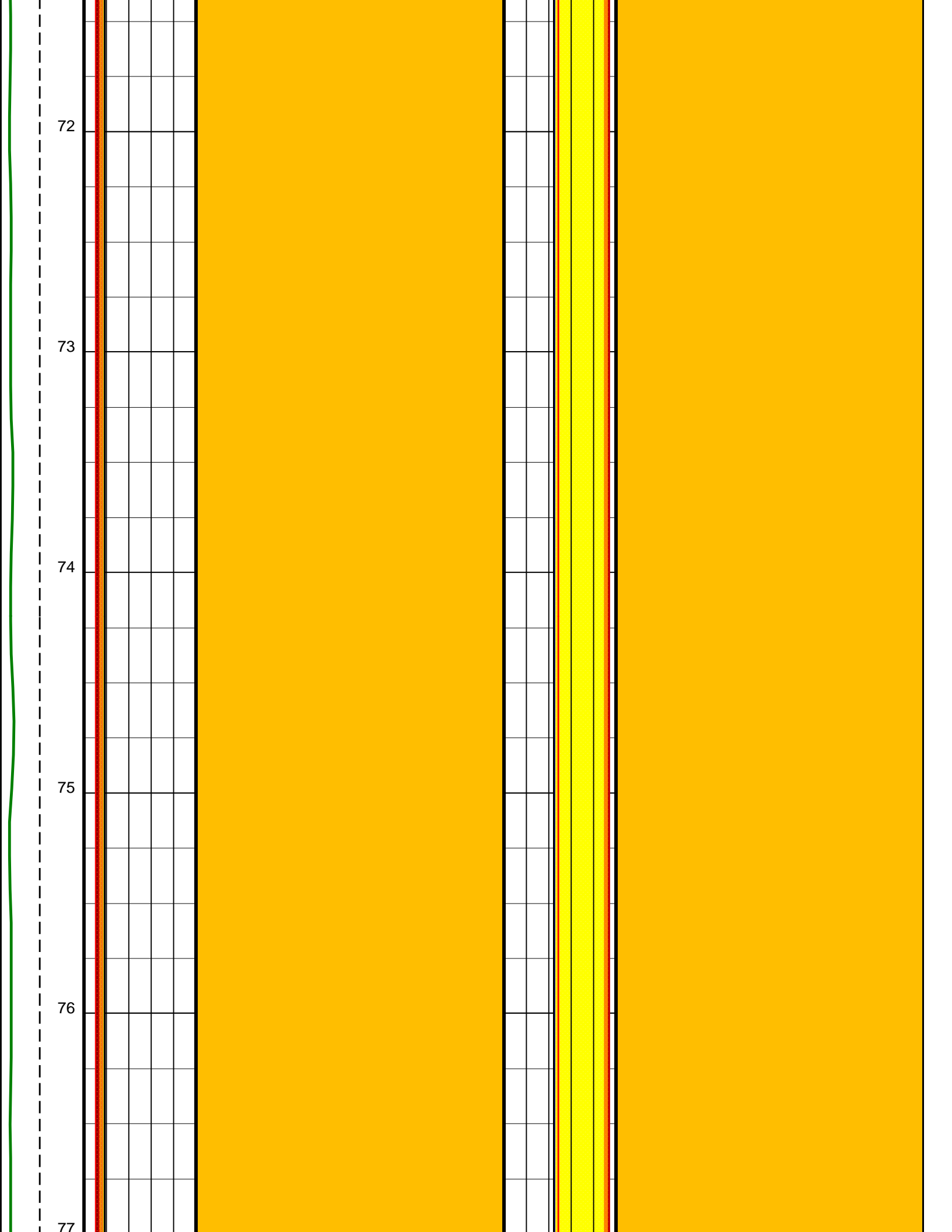
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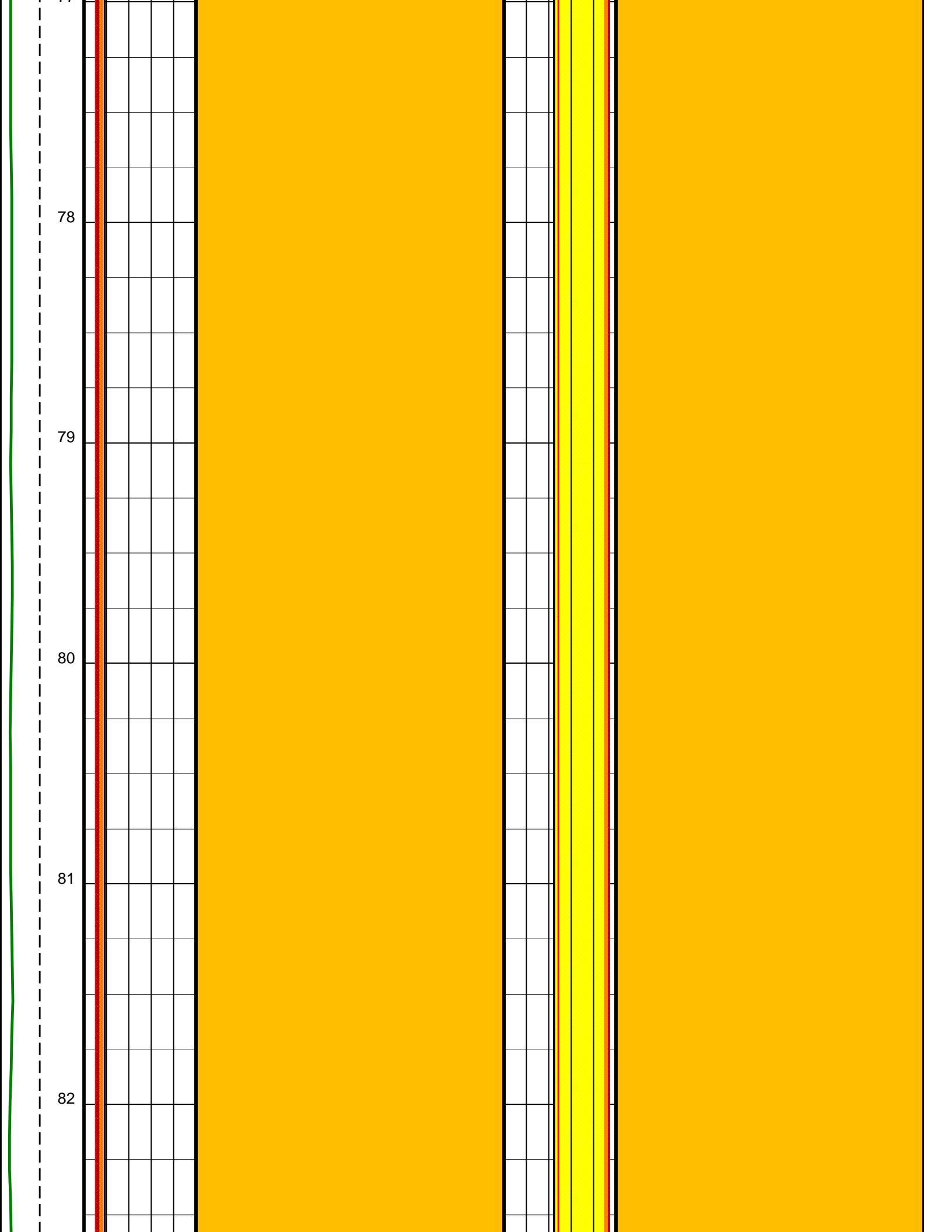
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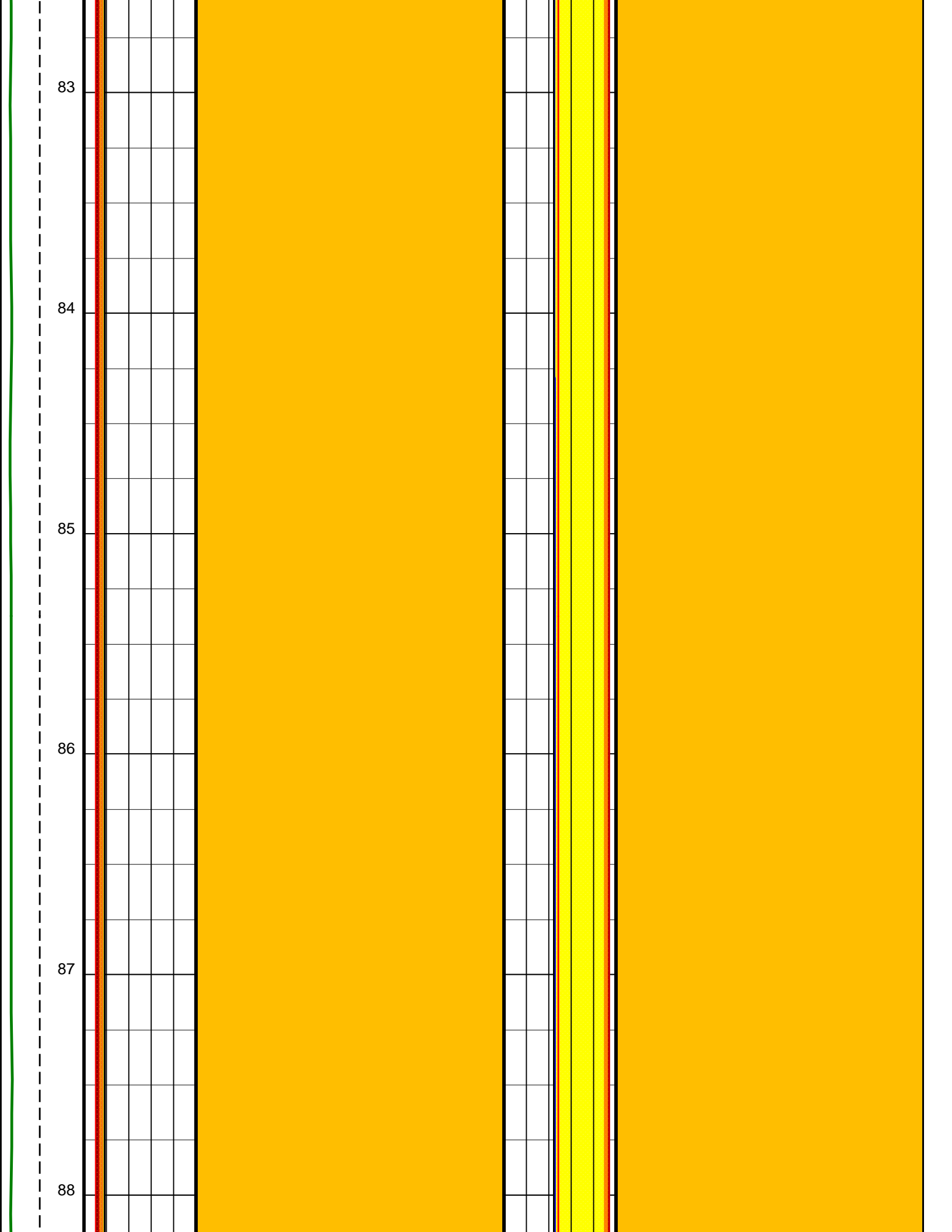
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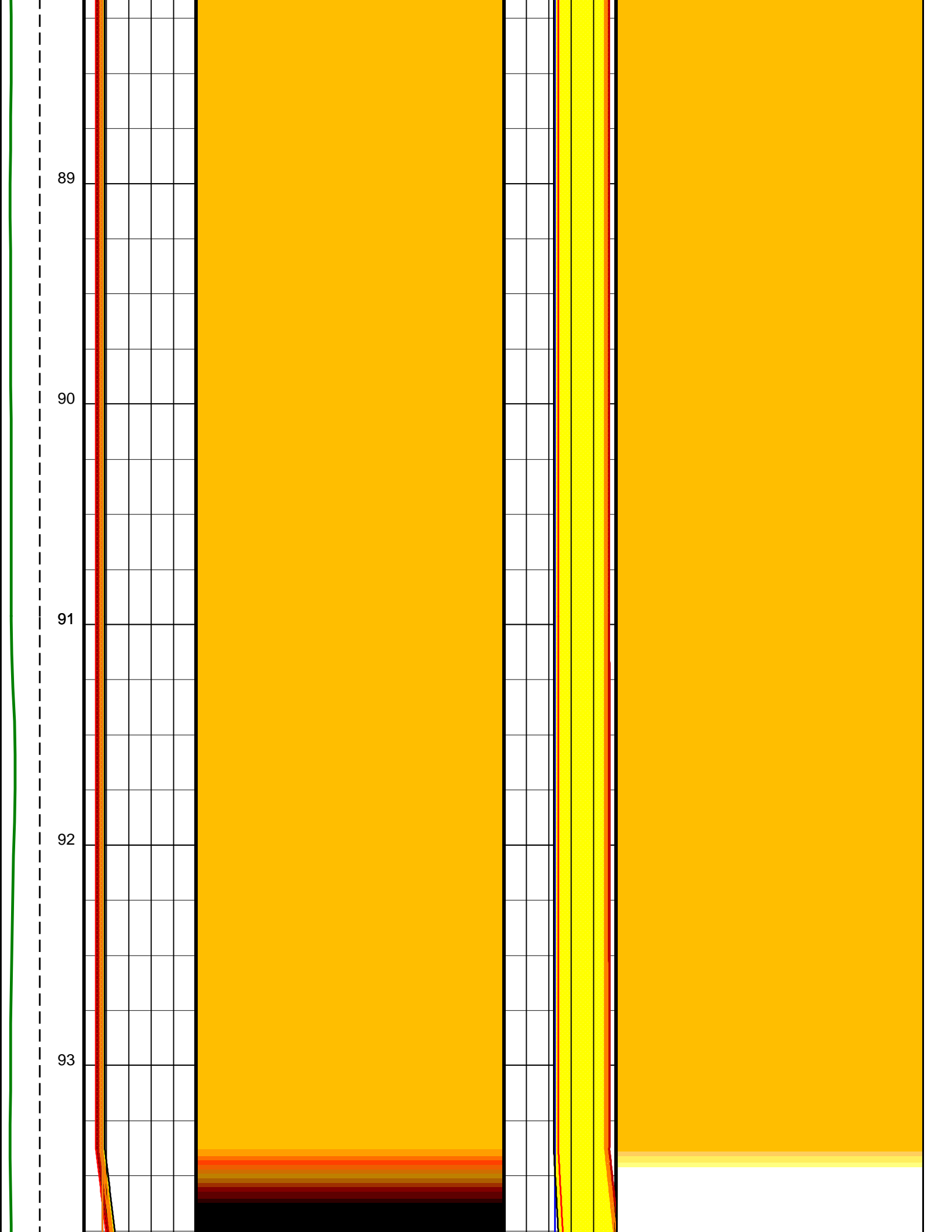
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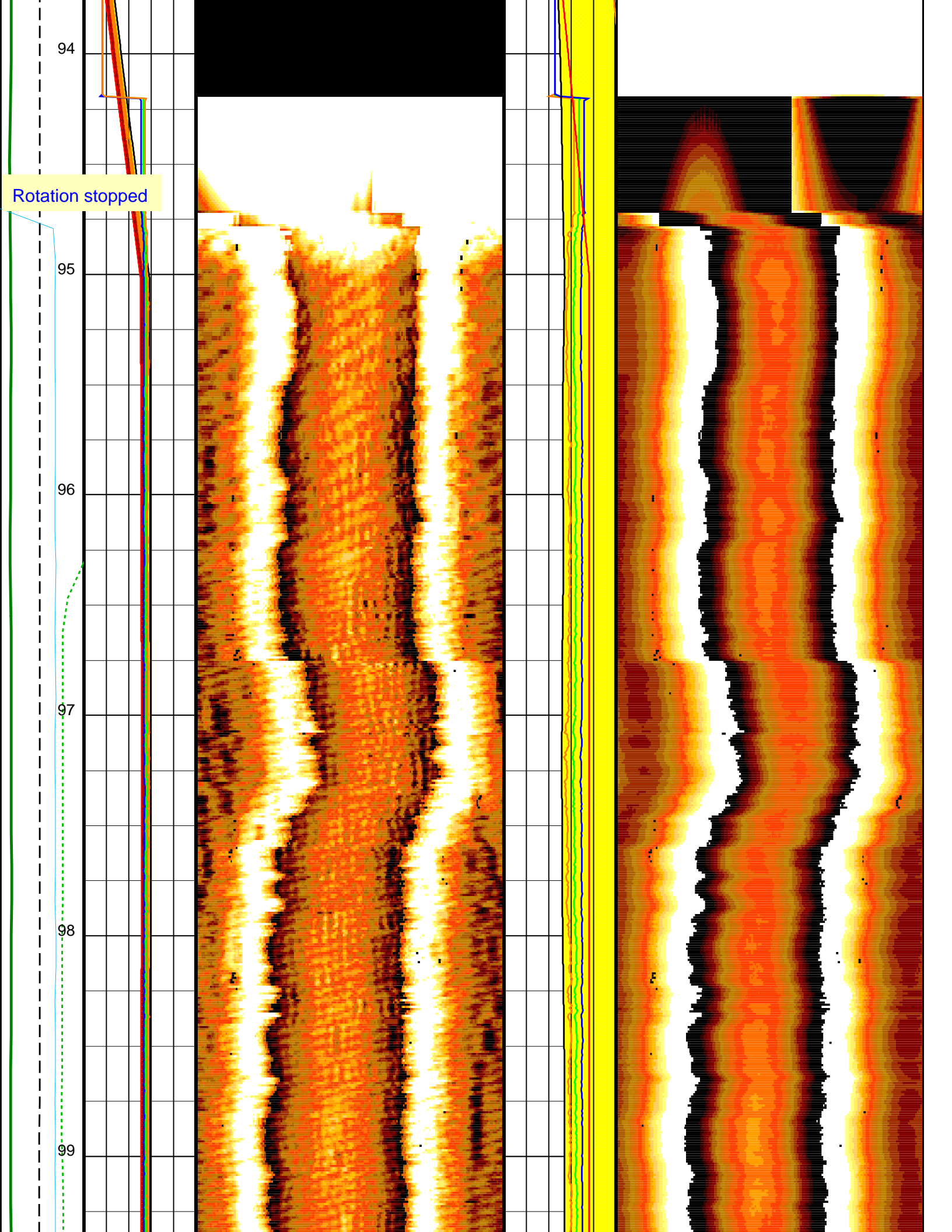
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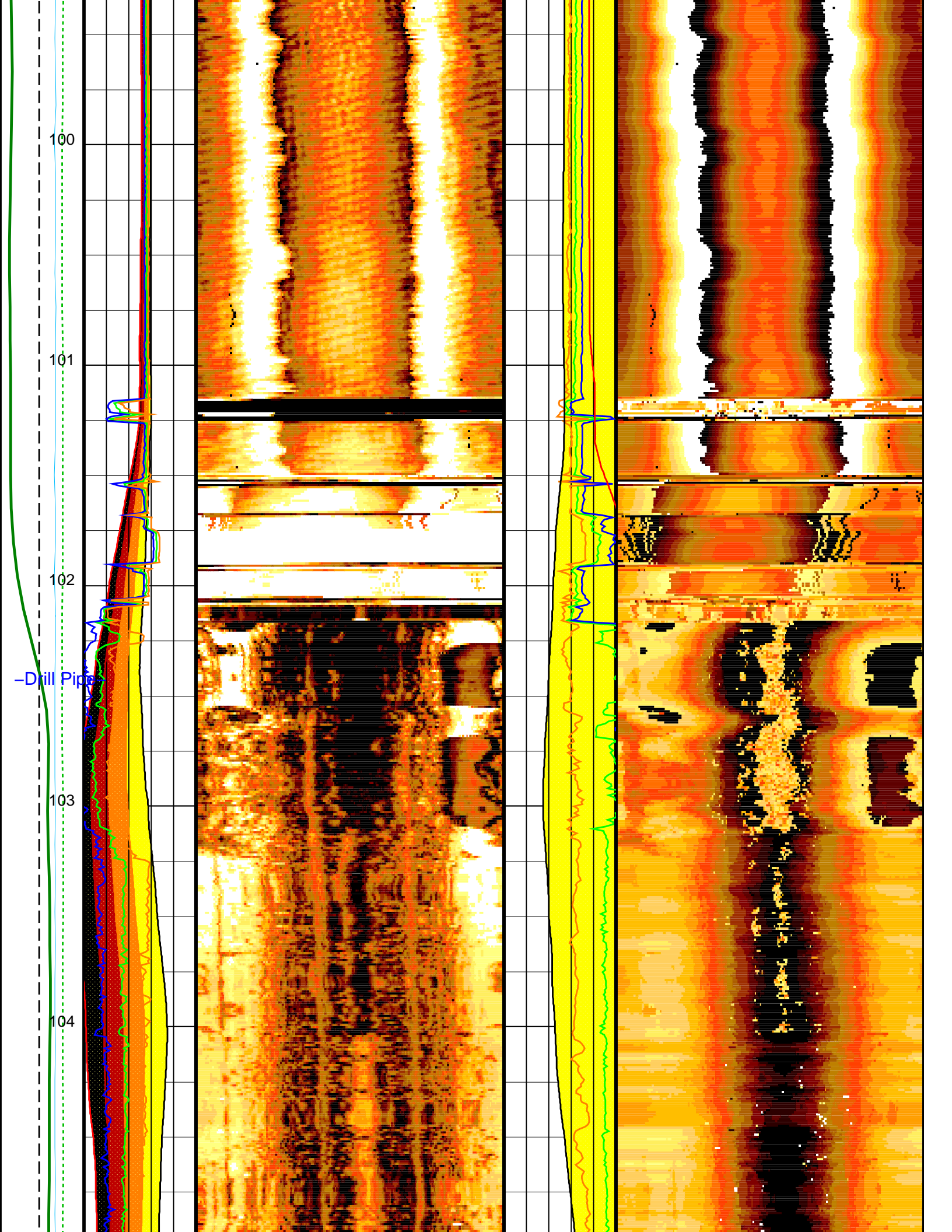
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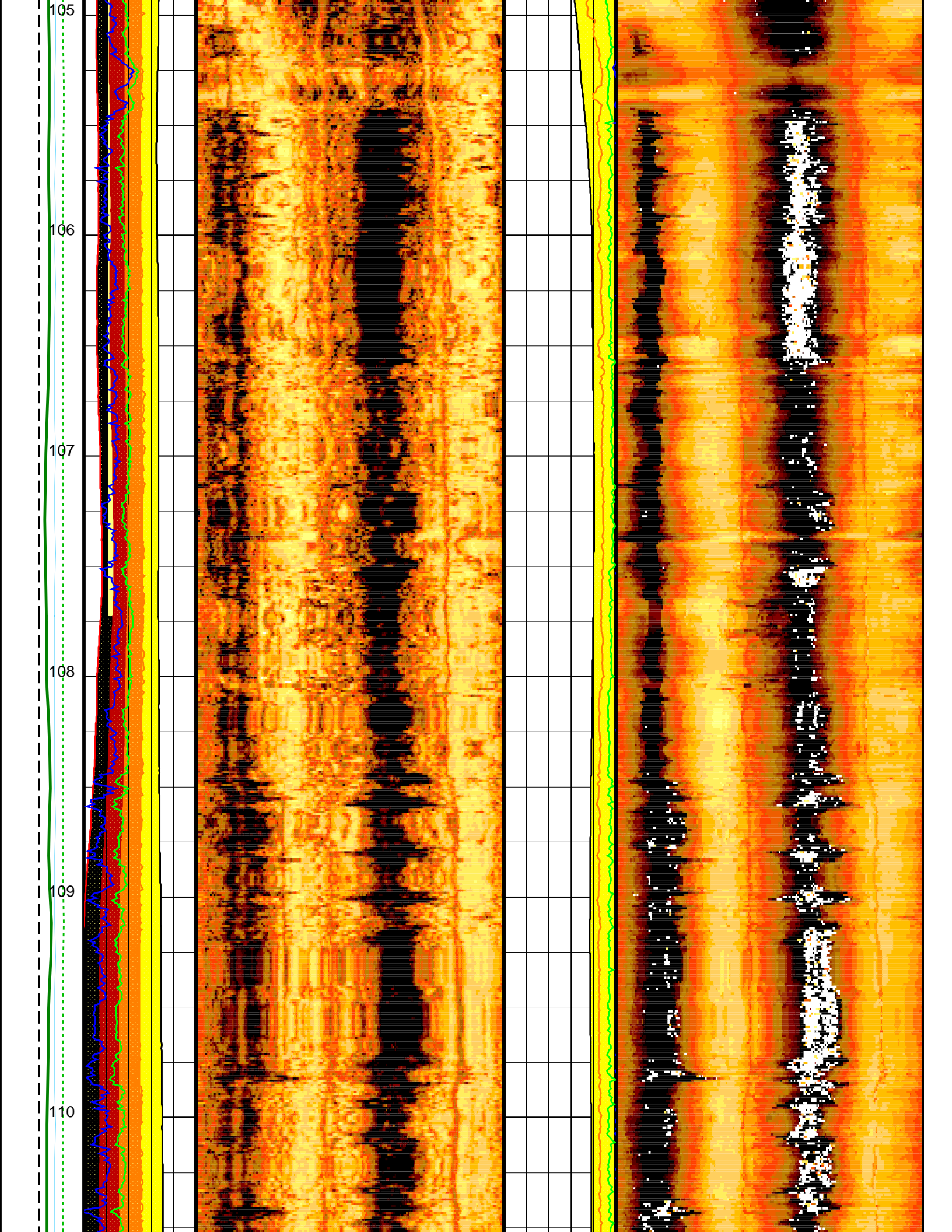
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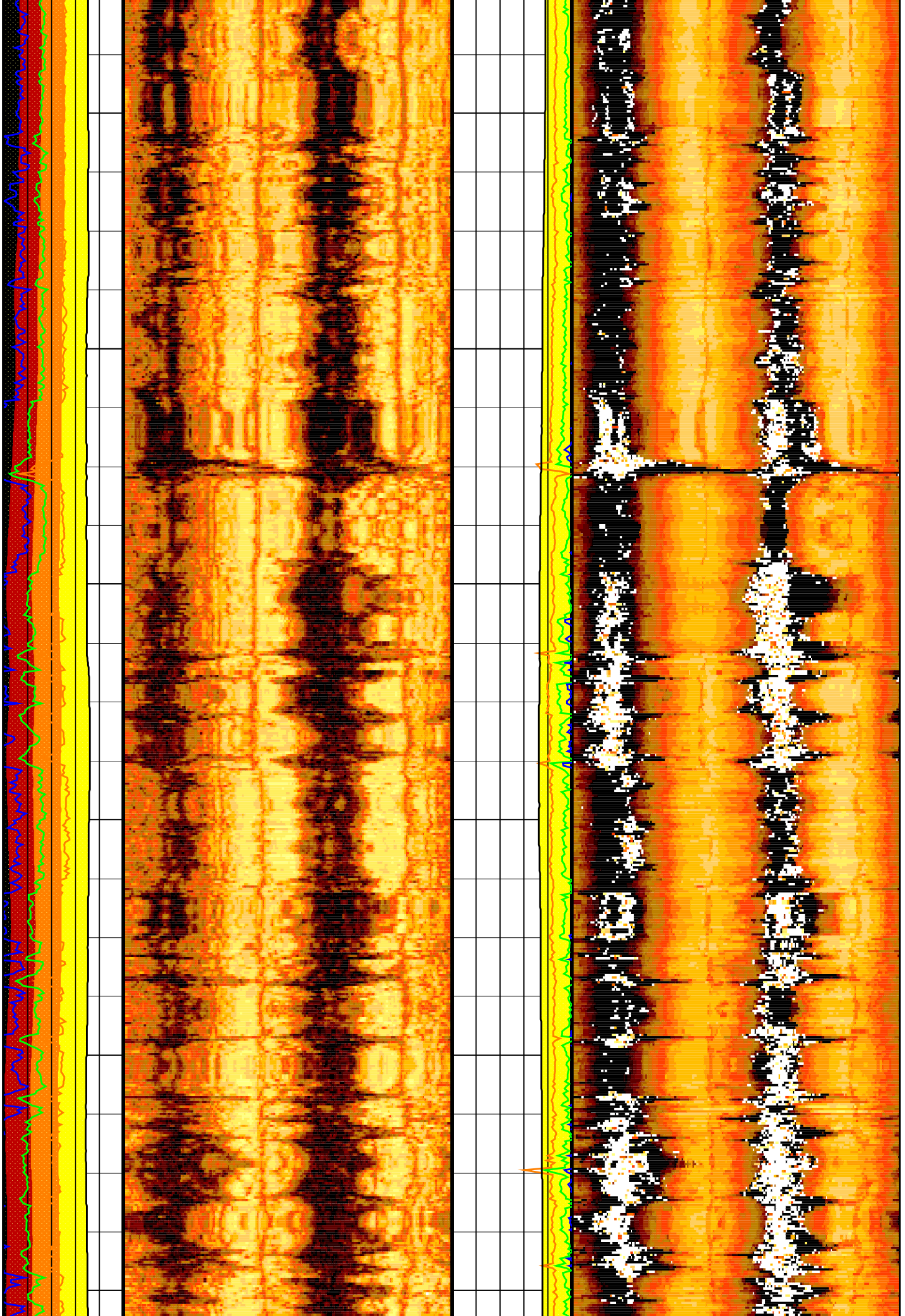








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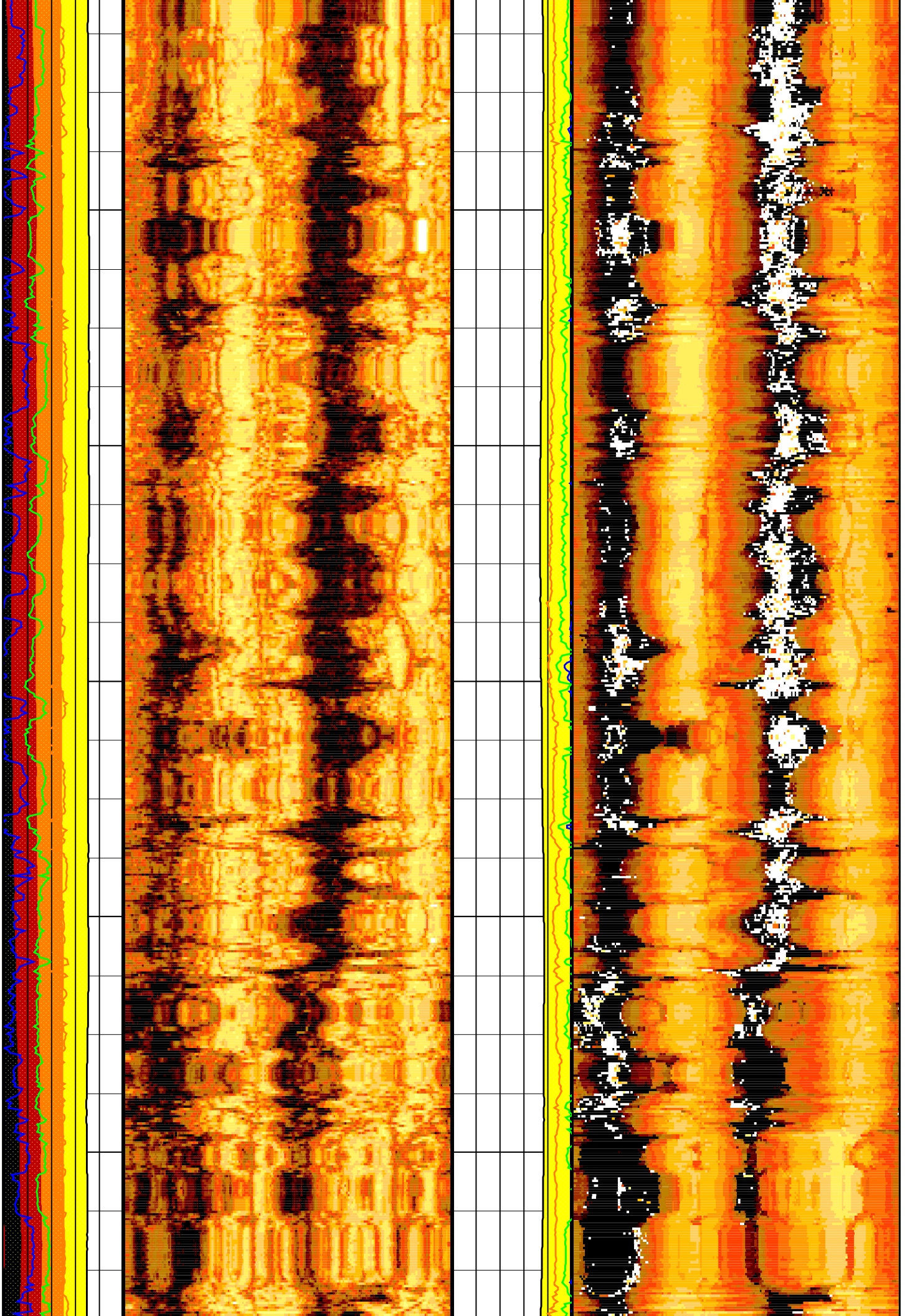
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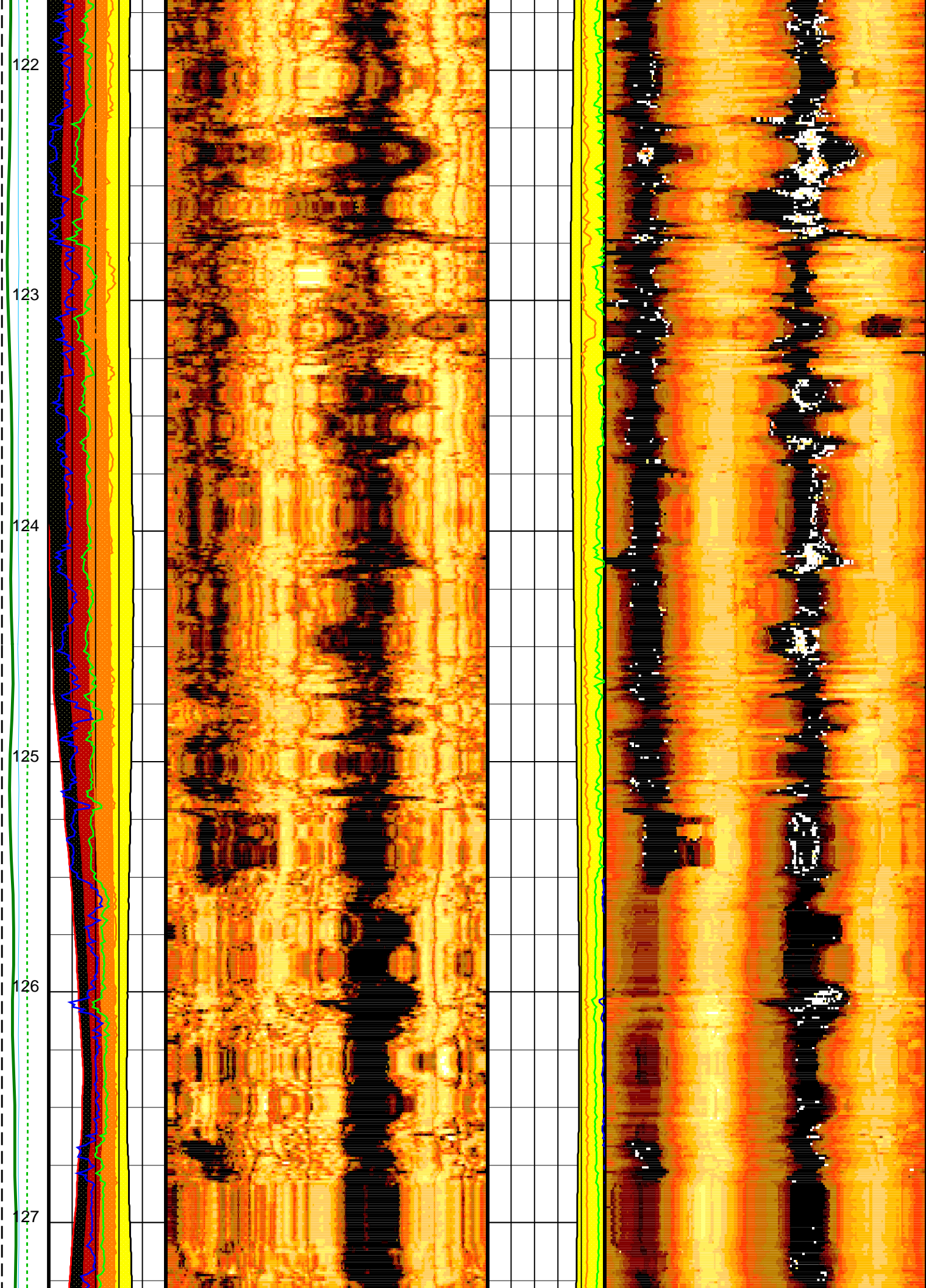
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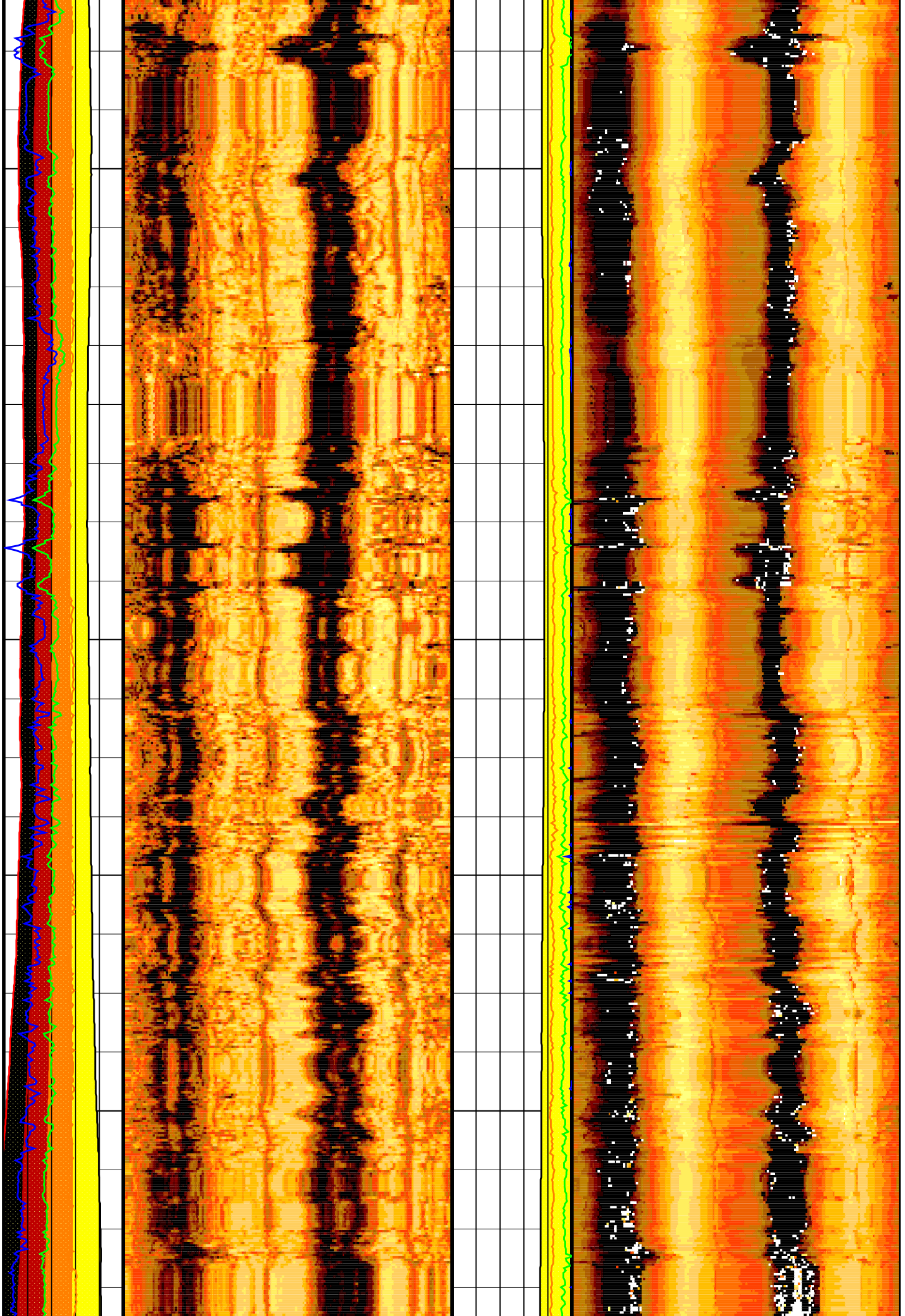
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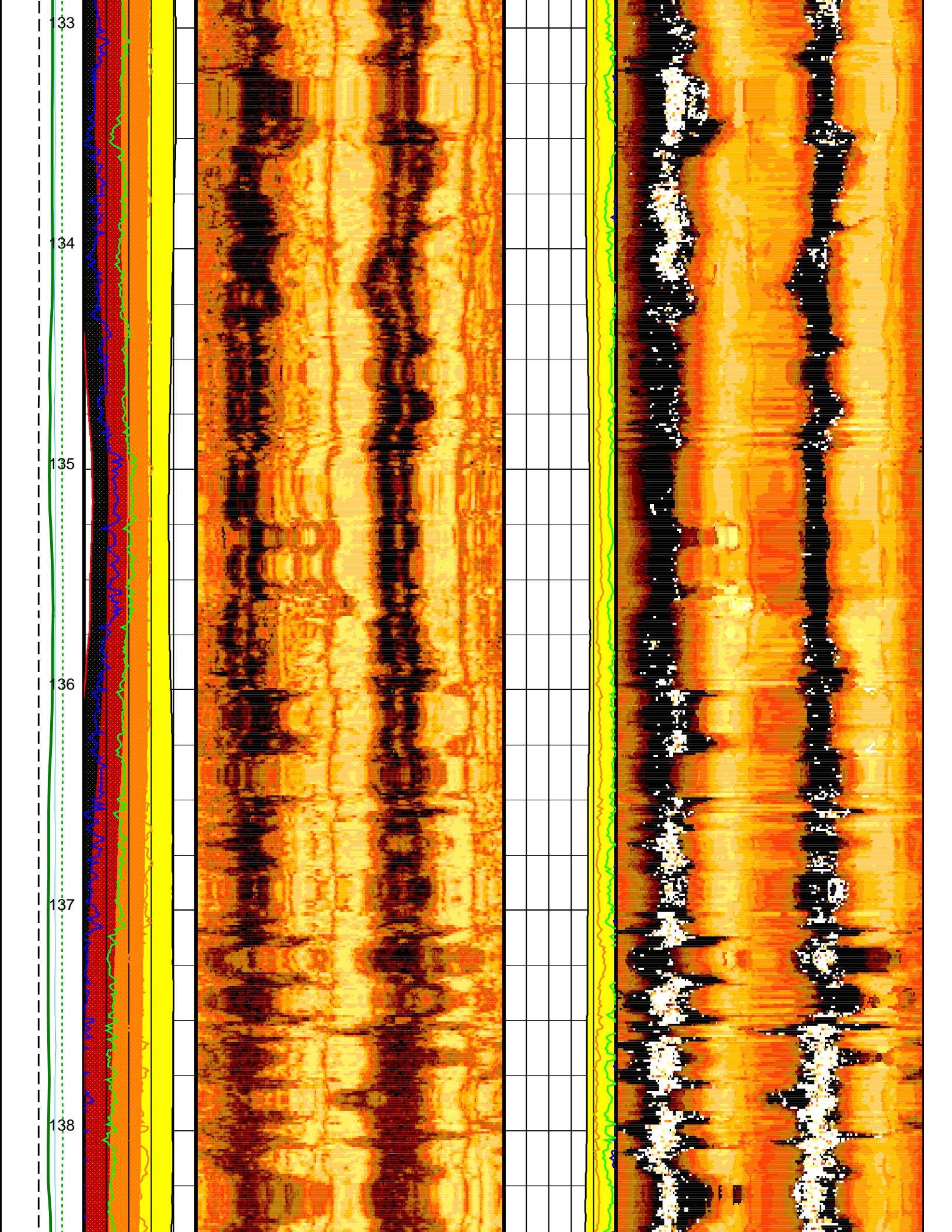
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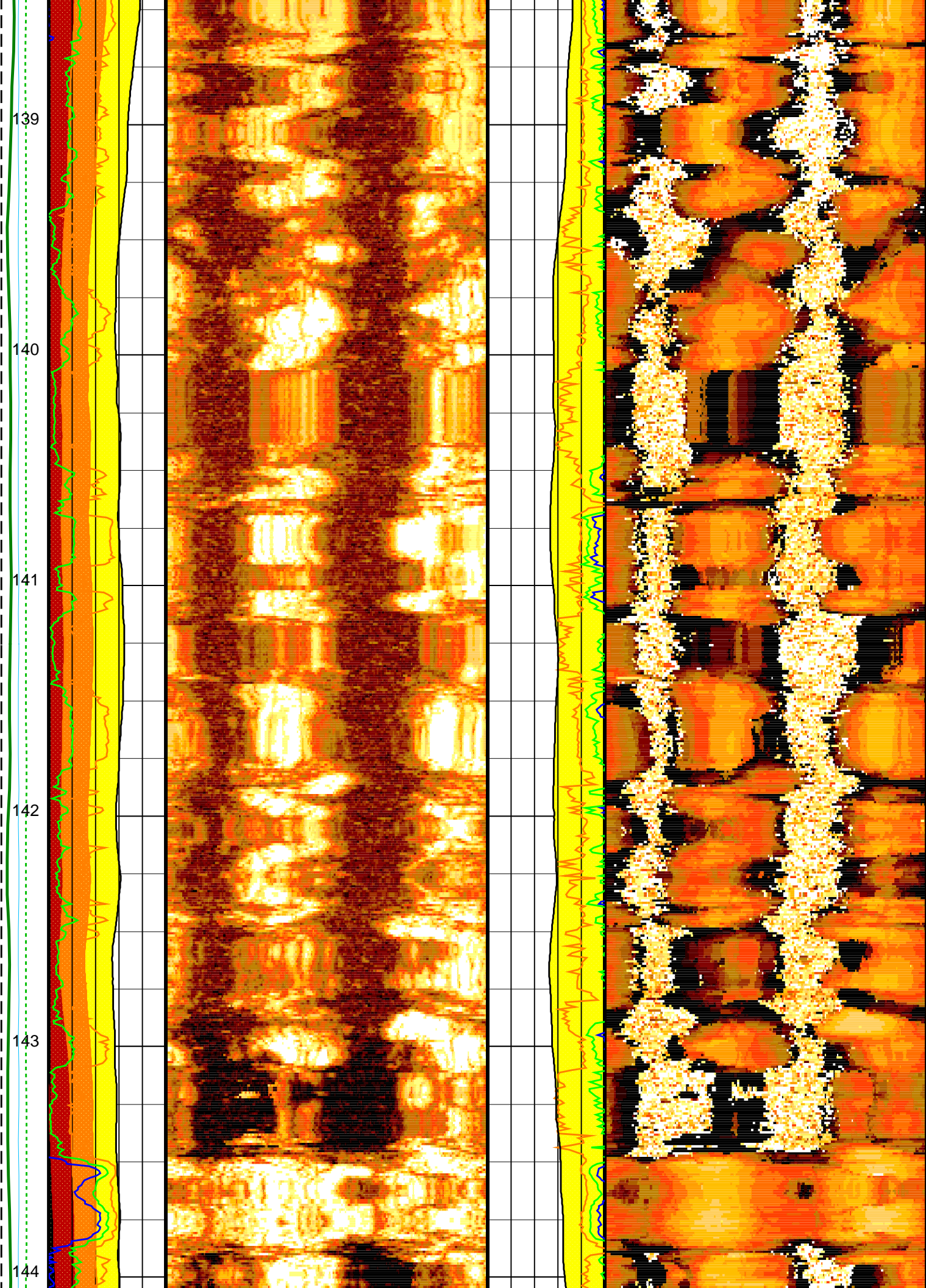
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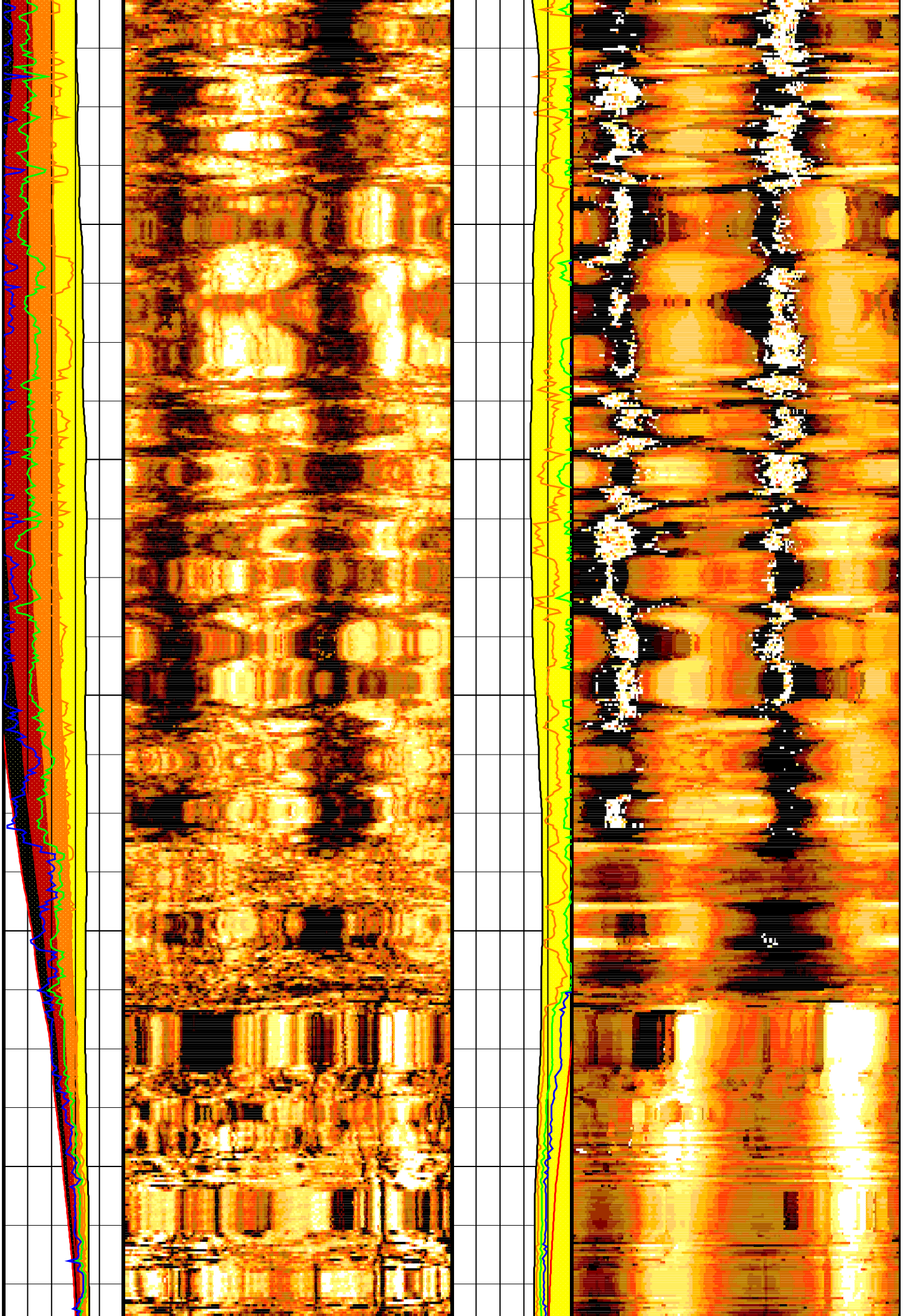
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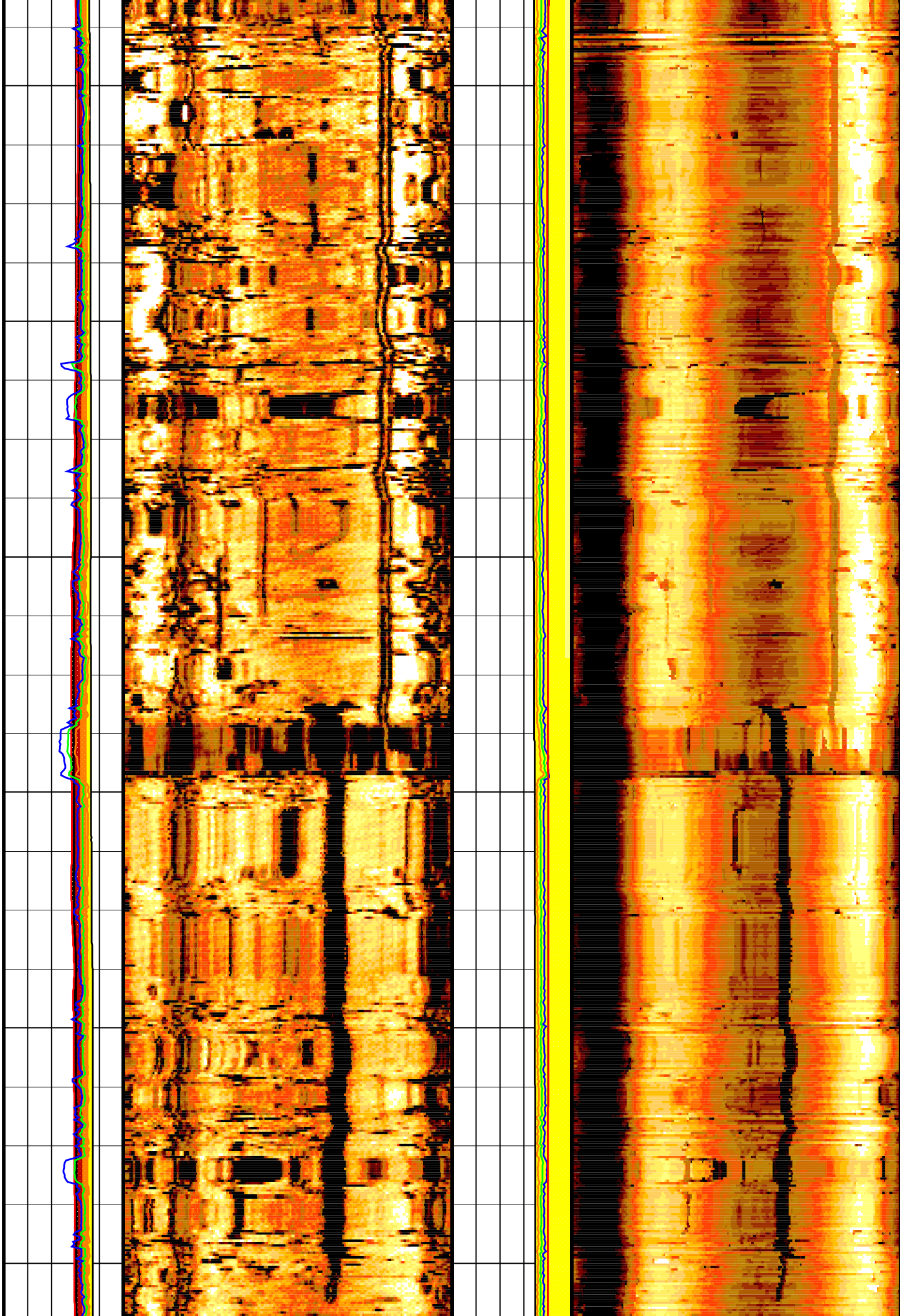
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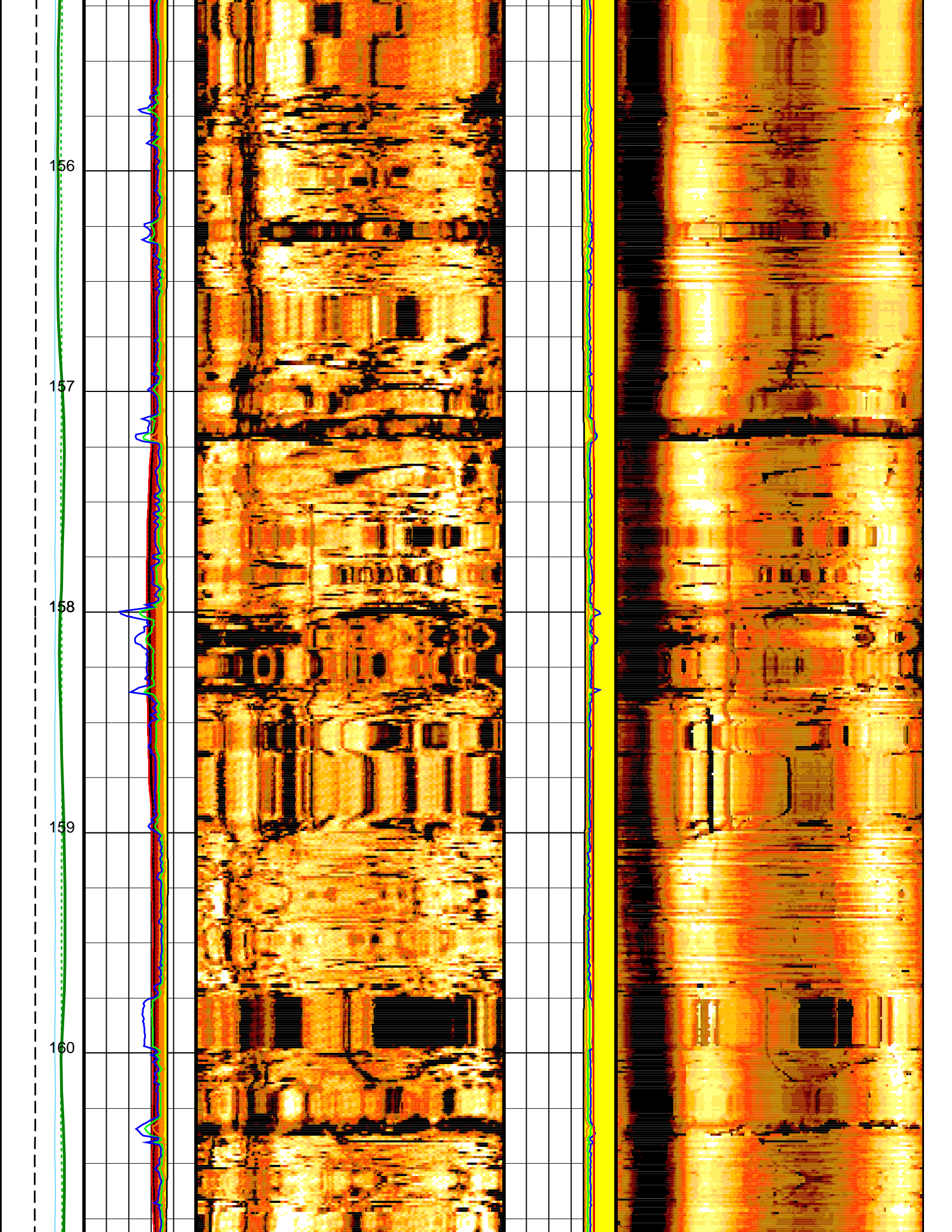
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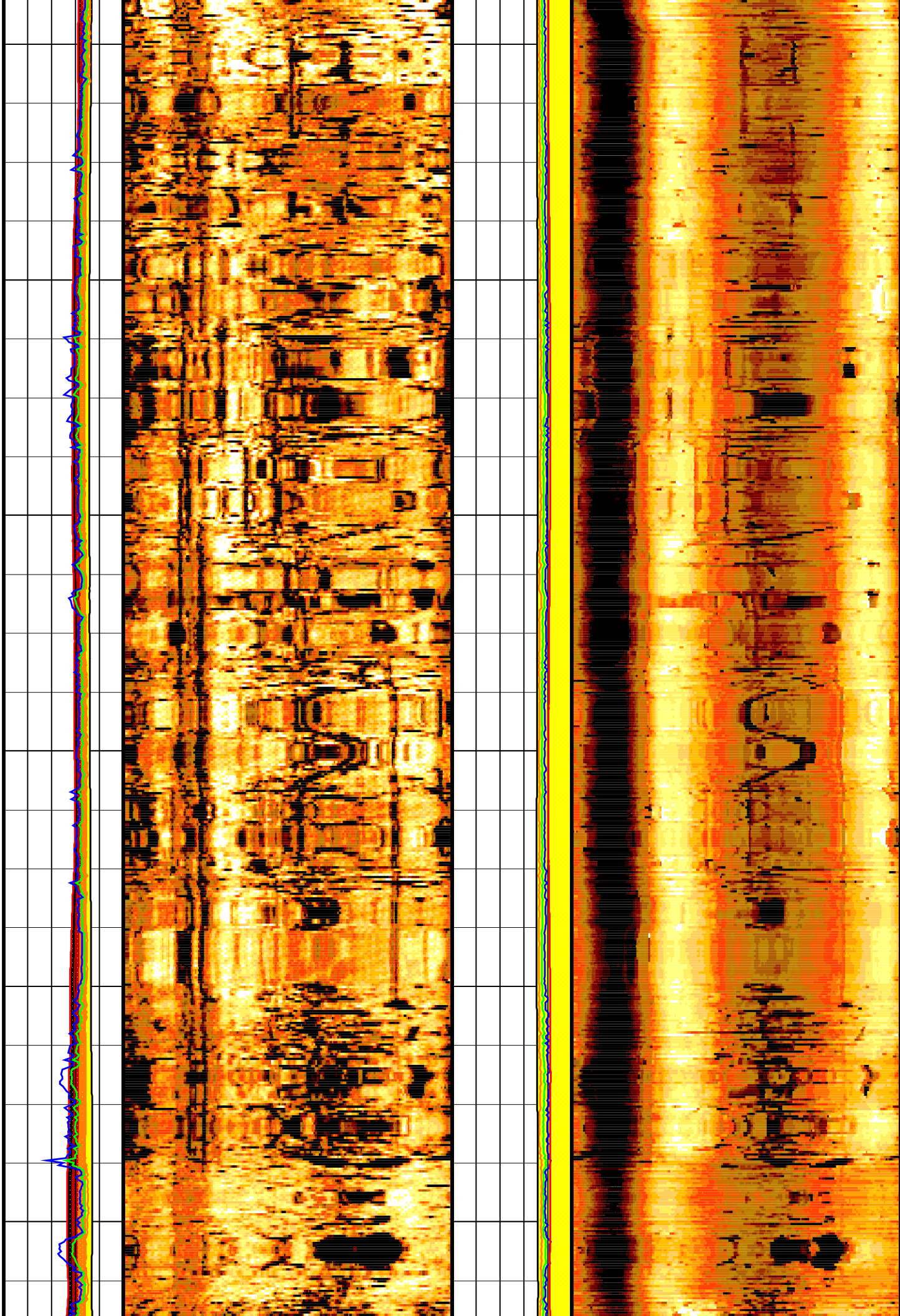


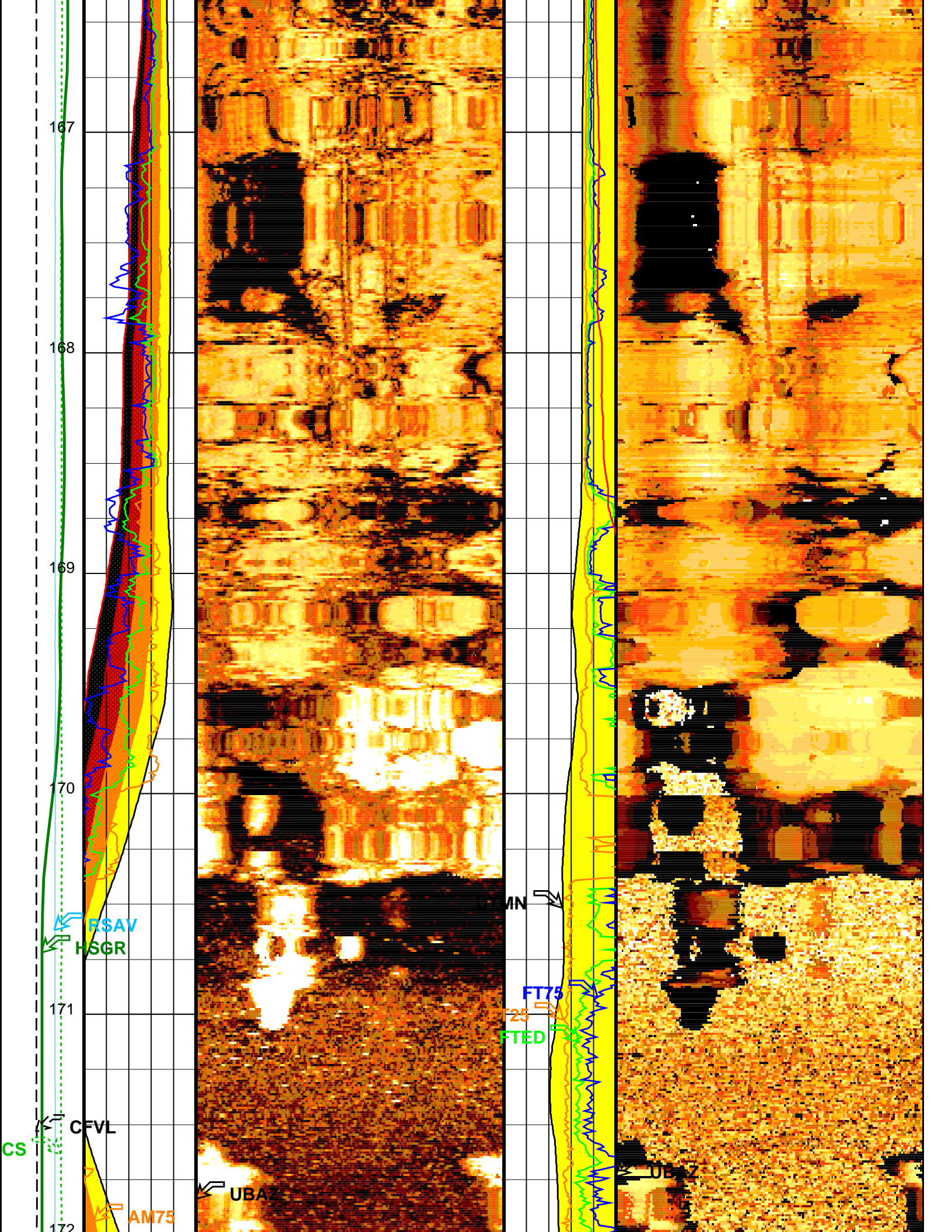
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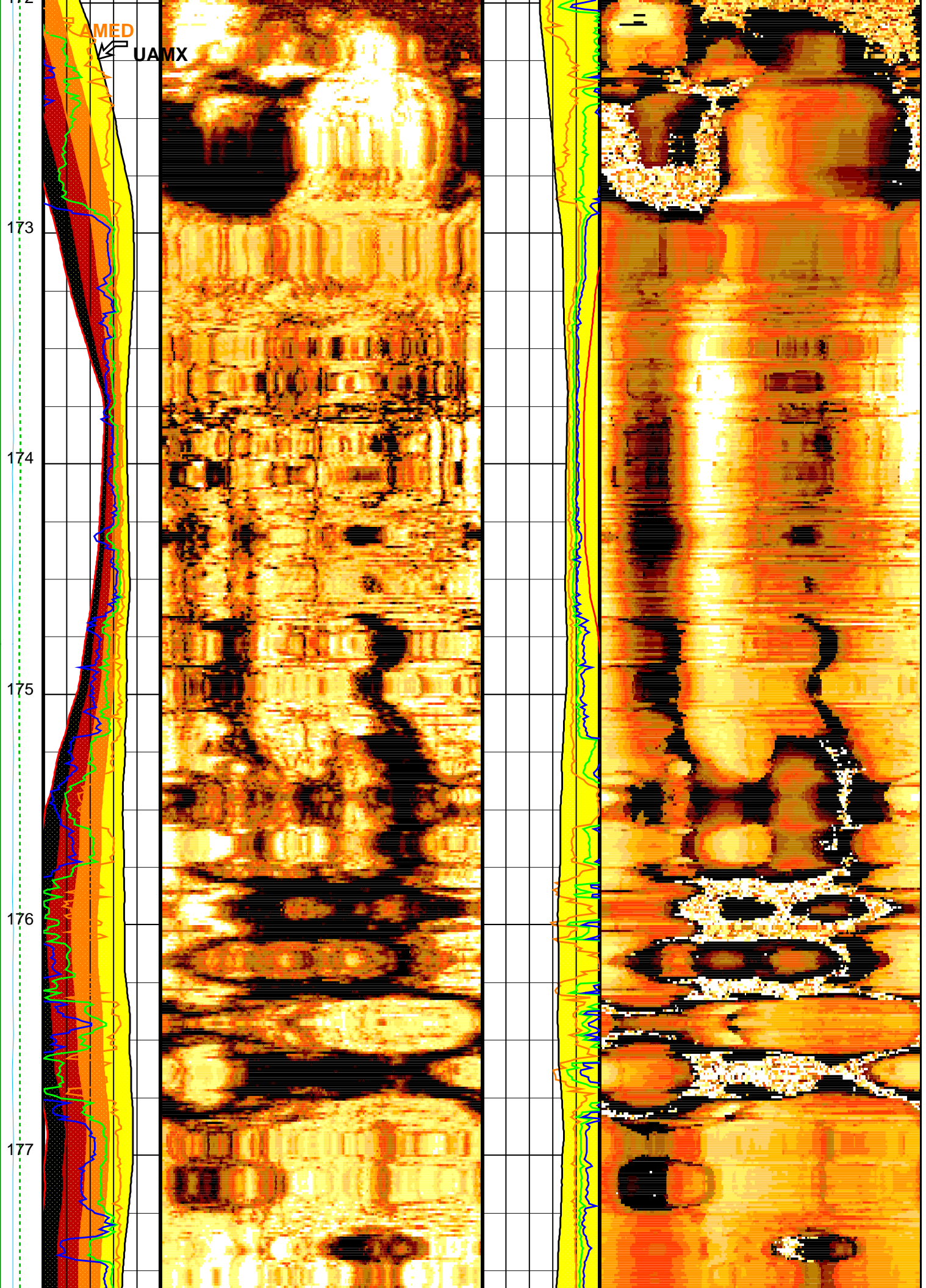




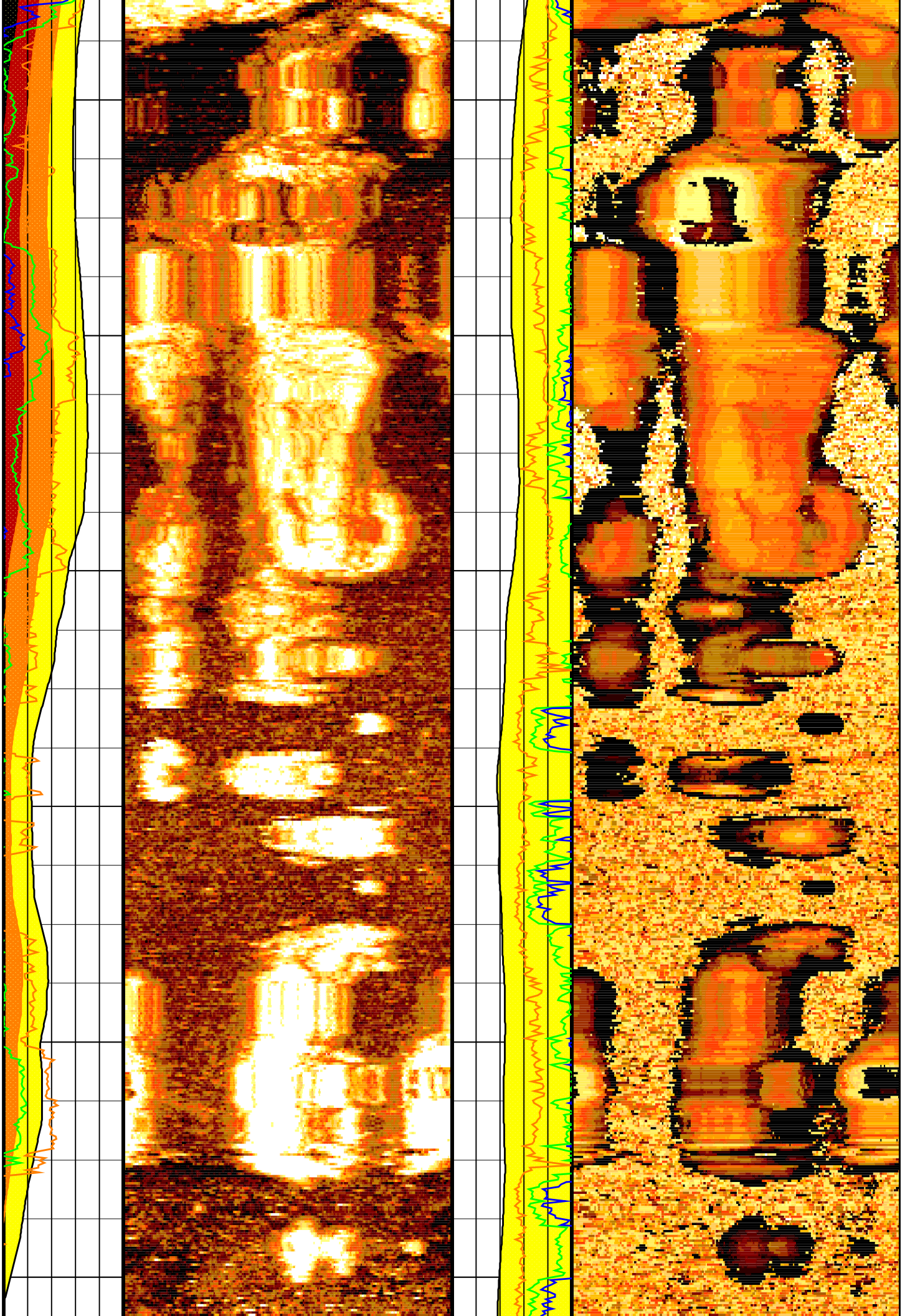
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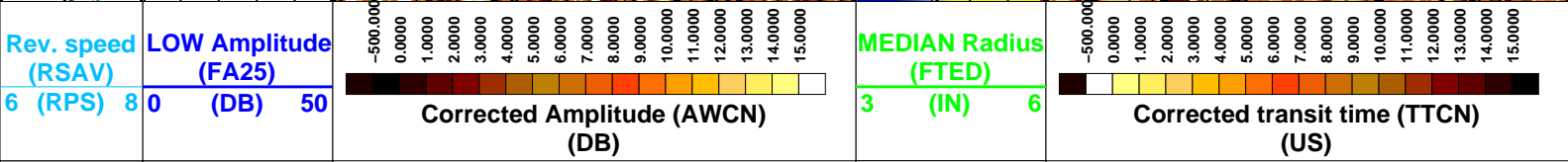
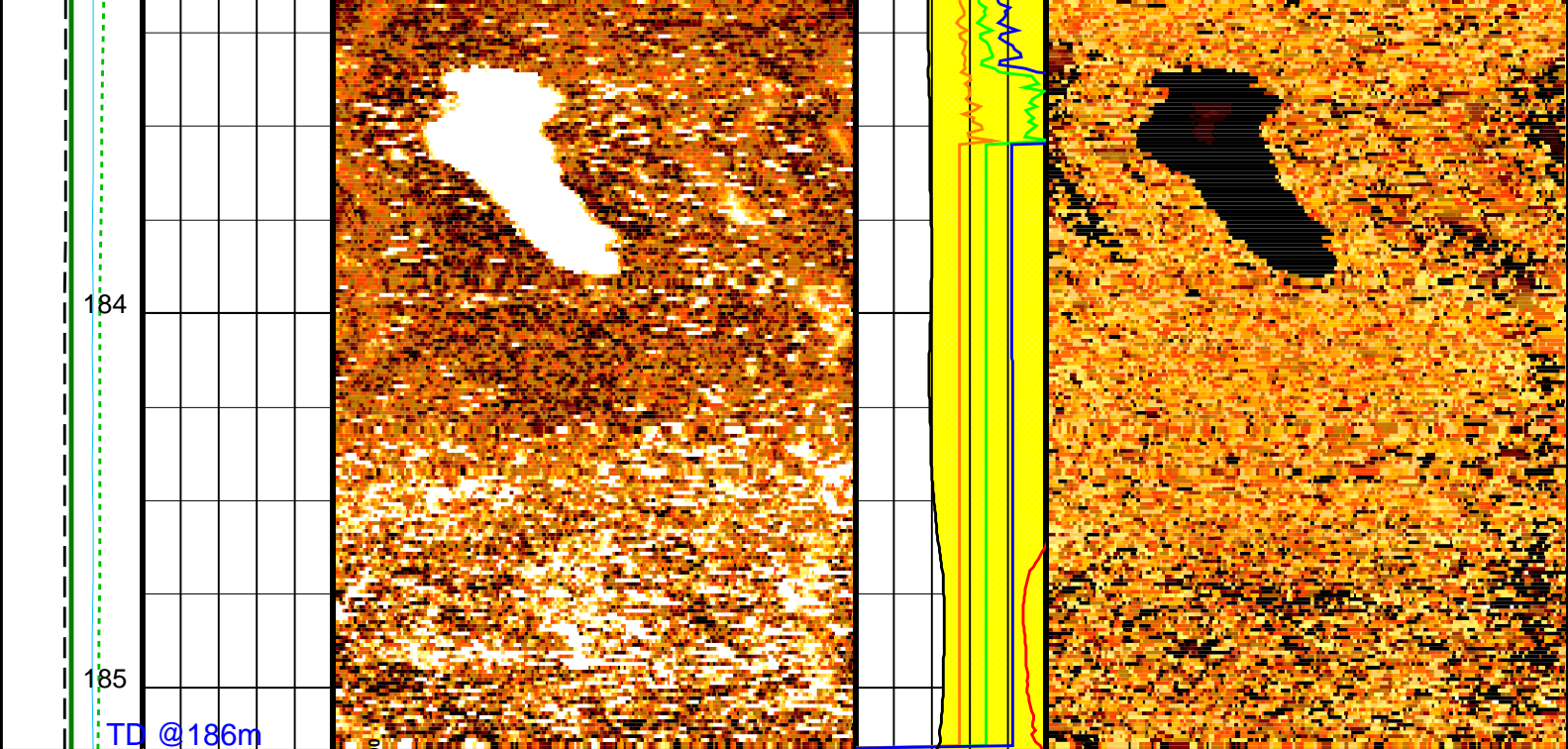






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Rev. speed (RSAV) 6 (RPS) 8	LOW Amplitude (FA25) 0 (DB) 50	MEDIAN Radius (FTED) 3 (IN) 6
Cable Speed (CS) (FHR) 0 1000	Min. of Amplitude (UAMN) 0 (DB) 50	Radius LOW (FT25) (IN) 6
Fluid velocity (CFVL) (US/F) 150 250	Maximum of Amplitude (UAMX) 0 (DB) 50	Radius HIGH (FT75) 3 (IN) 6
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 75	MEDIAN of Amplitude (FAED) 0 (DB) 50	Radius min (UTMN) 3 (IN) 6
	HIGH Amplitude (FA75) 0 (DB) 50	Radius max (UTMX) 3 (IN) 6

2nd Pass, Sea Floor Depth Reference

Format: UBI_Image Vertical Scale: 1:20 Graphics File Created: 03-Dec-2012 05:09

OP System Version: 19C0-187

UBI-D	SRPC-5095-H2-2011-OP19	GPIT-A/B	19C0-187
DTA-A	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Parameters

DLIS Name	Description	Value
UBI-D	Ultrasonic Borehole Imager - D	
	UBI Tool Working Mode for FPM	UBI3_SW250_180_1
	UBI Tool Working Mode for Measurement	UBI3_SW250_180_1
	Vertical Resolution	IN: 0.4
	Default Fluid Velocity	0.22 US/F

AAMN	Default Fluid Velocity	206	US/F
AGMN	Automatic Amplitude Minimum Scale	2	DB
AGMX	Minimum Gain of Cartridge	-12DB	
AMCM	Maximum Gain of Cartridge	48DB	
AMCX	Amplitude - max color scale minimum	-6	DB
ANGO	Amplitude - max color scale maximum	0.2	DB
ATMN	Angular Offset	-17	DEG
AWMN	Automatic Transit Time Minimum Scale	2	US
AWMX	Amplitude Color Scale Minimum	20	DB
CACN	Amplitude Color Scale Maximum	55	DB
CACX	Corrected Amplitude Color Scale Minimum	0	DB
CRCN	Corrected Amplitude Color Scale Maximum	50	DB
CRCX	Corrected Radii Color Scale Minimum	3	IN
CSID	Corrected Radii Color Scale Maximum	4.5	IN
DCMN	Casing Inner Diameter	0	IN
DCMX	Window Decrement Down	0.8	
DFVL	Window Decrement Up	0.6	
DISI	Default Fluid Velocity	200	US/F
DISR	Radial Plot Depth Increment	120	
DOT	Radial Plot Display Requested	0	
ECRL	Diameter of Tool	1.85	IN
EMXV	Eccentering Correction Level	FIRST	
ERDB	EMEX Voltage	30	V
FDOS	Eccentering Rejection	12	DB
FMOS	FVEL Depth Offset	0	M
FVLM	FVEL Measurement Offset	0	US/F
GCSW	Fluid Velocity Filter	MEAN	
HFLT	Gain Correction	ON	
ICMN	FVEL Filter Size	10	
ICMX	Internal Corrosion Color Scale Minimum	-0.15	IN
IMAR	Internal Corrosion Color Scale Maximum	0.15	IN
INHT	Image Rotation	OFF	
LIM1	FIFO Inhibition Time	Inh_29us	
LIM2	Minimum Limit Control	AUTO	
MLCN	Maximum Limit Control	MANUAL	
MLCX	Metal Loss Color Scale Minimum	-0.15	IN
NBCD	Metal Loss Color Scale Maximum	0.15	IN
NBLD	Color Correction Depth Level	80	
NCDI	Eccentering Correction Depth Level	1	
PNSW	Noise Correction Depth Interval	30	
RCSO	Processing Noise Correction	ON	
RJ60	Reference Calibrator Standoff	0.795	IN
RRCN	60 Hz Correction	ON	
RRCX	Radii Color Scale Minimum	3	IN
SUBT	Radii Color Scale Maximum	4.5	IN
SWLV	UBI Sub type	Sub_5_inch_S	
SWMX	Sliding Window Minimum	Inh_18us	
UBI_USAC_TASK_ALLOW	Sliding Window Maximum	Inh_167us	
UBI_USAC_TASK_TIMEOUT	UBI USAC Allow Task after Power Up	YES	
UFON	UBI USAC Task Timeout (in seconds) FOR TEST REPORT	600	
UGOS	UBI Flagging of Lost Echoes	OFF	
UMFR	UBI/UCI GPIT Offset	3.63	IN
UPAT	Modulation Frequency	500000	HZ
USFR	Emission Pattern	Pattern_250K	
USTO	Sampling Frequency	1e+006	HZ
USUB	Ultrasonic Time Offset	-3	US
UWKM	UBI Sub Identifier	Sub_5_inch	
VERR	Current Working Mode	UBI3_SW250_180_1	
WFVS	acq VERTICAL Resolution	IN: 0.4	
WINB	Vertical Sampling	0.4	IN
WINE	Window Beginning Time	18.5	US
	Window end time	36	US
	GPIT-A/B: General Purpose Inclinator		
ACPP	Accelerometer PROM Presence	PRESENT	
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE	
ART	Accelerometer Reference Temperature	20	DEGC
GLM	GPIT Logging Mode	DIPM	
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION	
MAPP	Magnetometer PROM Presence	PRESENT	
MDEC	Magnetic Field Declination	-0.895005	DEG
MRTE	Magneto Reference Temperature	19	DEGC
TEMS	GPIT Temperature Sensor Used	BOTH	
U-GPOF	Playback OLD VERSION GPIT FILE (BEFORE OP14 + SRPC-3098-FEB_2006_C) ?	NO	
	HNGS-BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	70	DEGF
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	

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	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.0021021	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
ISSBAR	Barite Mud Switch	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	68	DEGF
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	3.02703	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	2.67465	
EDTC-B: Enhanced DTS Cartridge			
BHFL	Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	70	DEGF
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DPPM	Density Porosity Processing Mode	HIRS	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
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	
HSCO	Hole Size Correction Option	YES	
ISSBAR	Barite Mud Switch	BARITE	
ISSBAR_EDTC	Nuclear Mud Type	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	BARI	
MWCO	Mud Weight Correction Option	NO	
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68	DEGF
SOCN	Standoff Distance	0	IN
SOCO	Standoff Correction Option	NO	
TPOS_EDTC	EDTC Tool Centered/Eccentered	Centered	
U-ETELM_EDTS	Telemetry Mode for eWAFE	Standard_EDTS	
U-TELM_EDTS	Telemetry Mode for WAFE	Standard_EDTS	
UHSV: UBI Hole Shape Analysis			
	UBI Tool Working Mode for FPM	UBI3_SW250_180_1	
	UBI Tool Working Mode for Measurement	UBI3_SW250_180_1	
	Vertical Resolution	IN: 0.4	
	Default Fluid Velocity	206	US/F
AAMN	Automatic Amplitude Minimum Scale	2	DB
AGMN	Minimum Gain of Cartridge	-12DB	
AGMX	Maximum Gain of Cartridge	48DB	
AMCM	Amplitude - max color scale minimum	-6	DB
AMCX	Amplitude - max color scale maximum	0.2	DB
ANGO	Angular Offset	-17	DEG
ATMN	Automatic Transit Time Minimum Scale	2	US
AWMN	Amplitude Color Scale Minimum	20	DB
AWMX	Amplitude Color Scale Maximum	55	DB
CACN	Corrected Amplitude Color Scale Minimum	0	DB
CACX	Corrected Amplitude Color Scale Maximum	50	DB
CRCN	Corrected Radii Color Scale Minimum	3	IN
CRCX	Corrected Radii Color Scale Maximum	4.5	IN
CSID	Casing Inner Diameter	0	IN
DCMN	Window Decrement Down	0.8	
DCMX	Window Decrement Up	0.6	
DFVL	Default Fluid Velocity	200	US/F
DISI	Radial Plot Depth Increment	120	
DISR	Radial Plot Display Requested	0	
DOT	Diameter of Tool	1.85	IN
ECRL	Eccentering Correction Level	FIRST	
EMXV	EMEX Voltage	30	V
ERDB	Eccentering Rejection	12	DB
FDOS	FVEL Depth Offset	0	M
FMOS	FVEL Measurement Offset	0	US/F
FVLM	Fluid Velocity Filter	MEAN	
GCSW	Gain Correction	ON	
HFLT	FVEL Filter Size	10	
ICMN	Internal Corrosion Color Scale Minimum	-0.15	IN
ICMX	Internal Corrosion Color Scale Maximum	0.15	IN

ICMX	Internal Corrosion Color Scale Maximum	0.15	IN
IMAR	Image Rotation	OFF	
INH	FIFO Inhibition Time	Inh_29us	
LIM1	Minimum Limit Control	AUTO	
LIM2	Maximum Limit Control	MANUAL	
MLCN	Metal Loss Color Scale Minimum	-0.15	IN
MLCX	Metal Loss Color Scale Maximum	0.15	IN
NBCD	Color Correction Depth Level	80	
NBLD	Eccentering Correction Depth Level	1	
NCDI	Noise Correction Depth Interval	30	
PNSW	Processing Noise Correction	ON	
RCSO	Reference Calibrator Standoff	0.795	IN
RJ60	60 Hz Correction	ON	
RRCN	Radii Color Scale Minimum	3	IN
RRCX	Radii Color Scale Maximum	4.5	IN
SUBT	UBI Sub type	Sub_5_inch_S	
SWLV	Sliding Window Minimum	Inh_18us	
SWMX	Sliding Window Maximum	Inh_167us	
UFON	UBI Flagging of Lost Echoes	OFF	
UGOS	UBI/UCI GPIT Offset	3.63	IN
UMFR	Modulation Frequency	500000	HZ
UPAT	Emission Pattern	Pattern_250K	
USFR	Sampling Frequency	1e+006	HZ
USTO	Ultrasonic Time Offset	-3	US
USUB	UBI Sub Identifier	Sub_5_inch	
UWKM	Current Working Mode	UBI3_SW250_180_1	
VERR	acq VERTical Resolution	IN: 0.4	
WFVS	Vertical Sampling	0.4	IN
WINB	Window Beginning Time	18.5	US
WINE	Window end time	36	US

System and Miscellaneous

ALDTPCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	11.000	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	5.500	IN
CWEI	Casing Weight	43.00	LB/F
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	-550.0	M
FLEV	Fluid Level	0.00	M
MST	Mud Sample Temperature	-50000.00	DEGC
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	NORMAL	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	3740	FT
TDD	Total Depth - Driller	1133.00	M
TDL	Total Depth - Logger	737.00	M
TWS	Temperature of Connate Water Sample	37.78	DEGC

Input DLIS Files

DEFAULT UBI_NGS_023LUP FN:38 PRODUCER 30-Nov-2012 23:00 736.1 M 545.5 M

Output DLIS Files

DEFAULT UBI_NGS_074PUP FN:102 PRODUCER 03-Dec-2012 05:09

Company: Lamont Doherty Well: Expedition 344, Site U1413C

Input DLIS Files

DEFAULT UBI_NGS_022LUP FN:36 PRODUCER 30-Nov-2012 22:08 733.8 M 645.9 M

Output DLIS Files

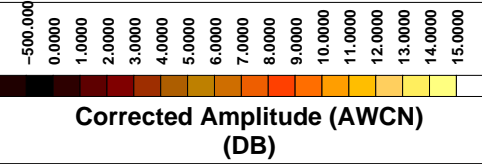
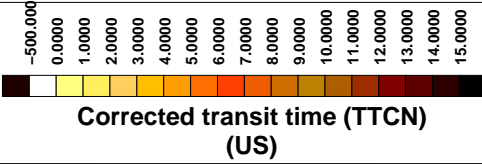
DEFAULT UBI_NGS_073PUP FN:101 PRODUCER 03-Dec-2012 05:08 182.9 M 96.0 M

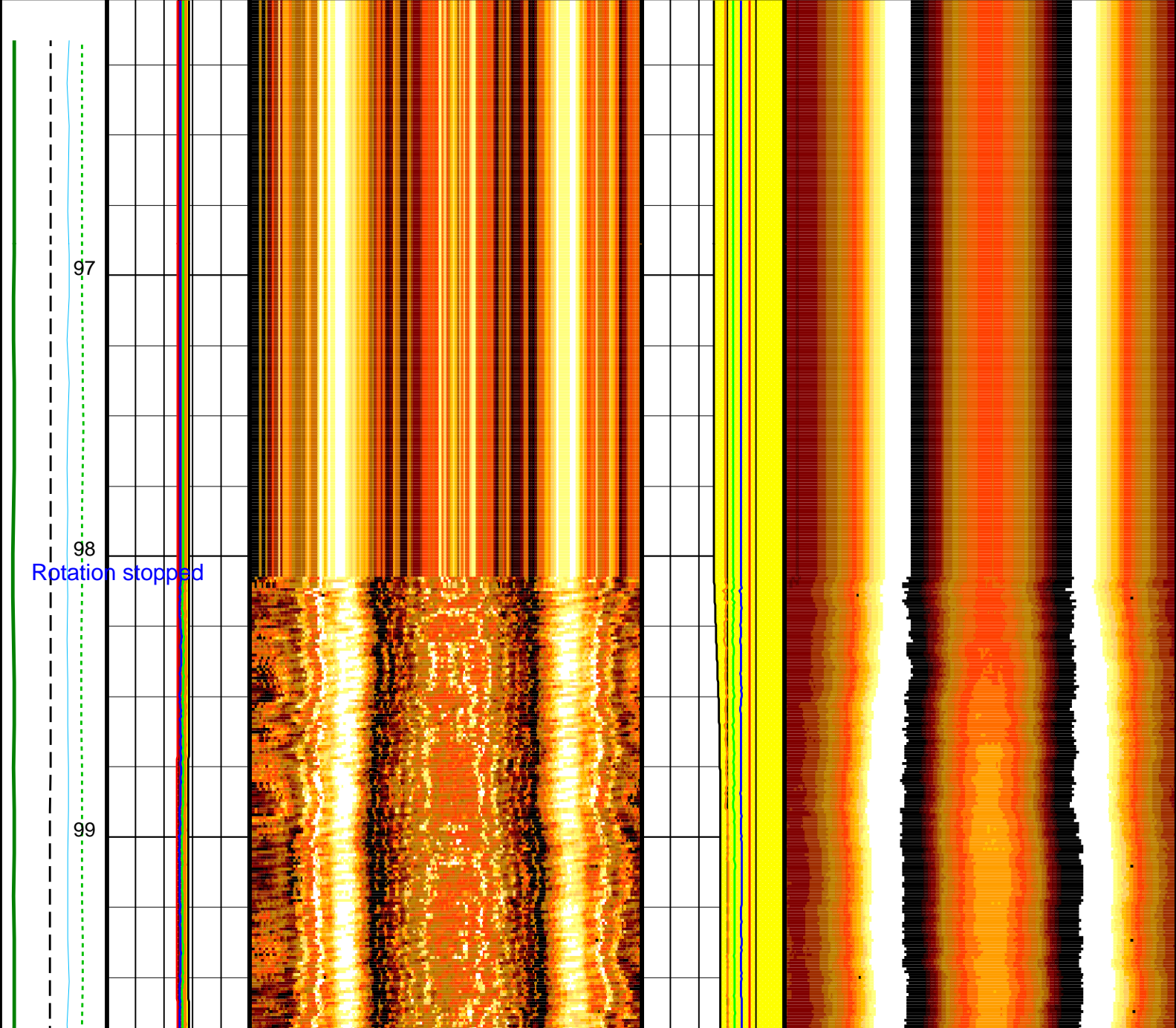
OP System Version: 19C0-187

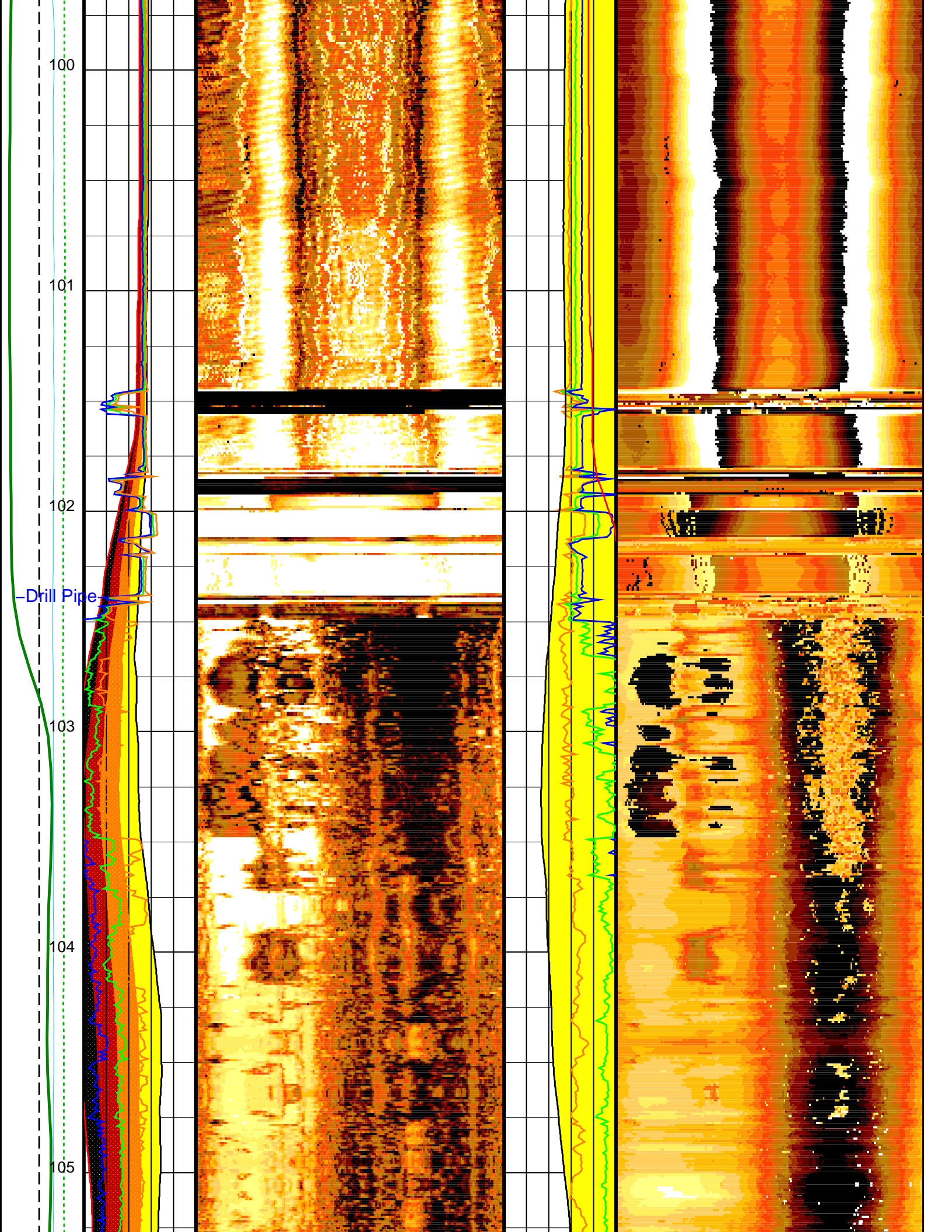
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DTA-A	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

HIGH
Amplitude
(FA75)
0 (DB) 50

Radius max
(UTMX)
3 (IN) 6

HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 75	MEDIAN of Amplitude (FAED) 0 (DB) 50		Radius min (UTMN) 3 (IN) 6	
Fluid velocity (CFVL) (US/F) 150 250	Maximum of Amplitude (UAMX) 0 (DB) 50		Radius HIGH (FT75) 3 (IN) 6	
Cable Speed (CS) (F/HR) 0 1000	Min. of Amplitude (UAMN) 0 (DB) 50	1st Pass, Sea Floor Depth Reference	Radius LOW (FT25) 3 (IN) 6	
Rev. speed (RAV) (RPS) 6 8	LOW Amplitude (FA25) 0 (DB) 50		MEDIAN Radius (FTED) 3 (IN) 6	





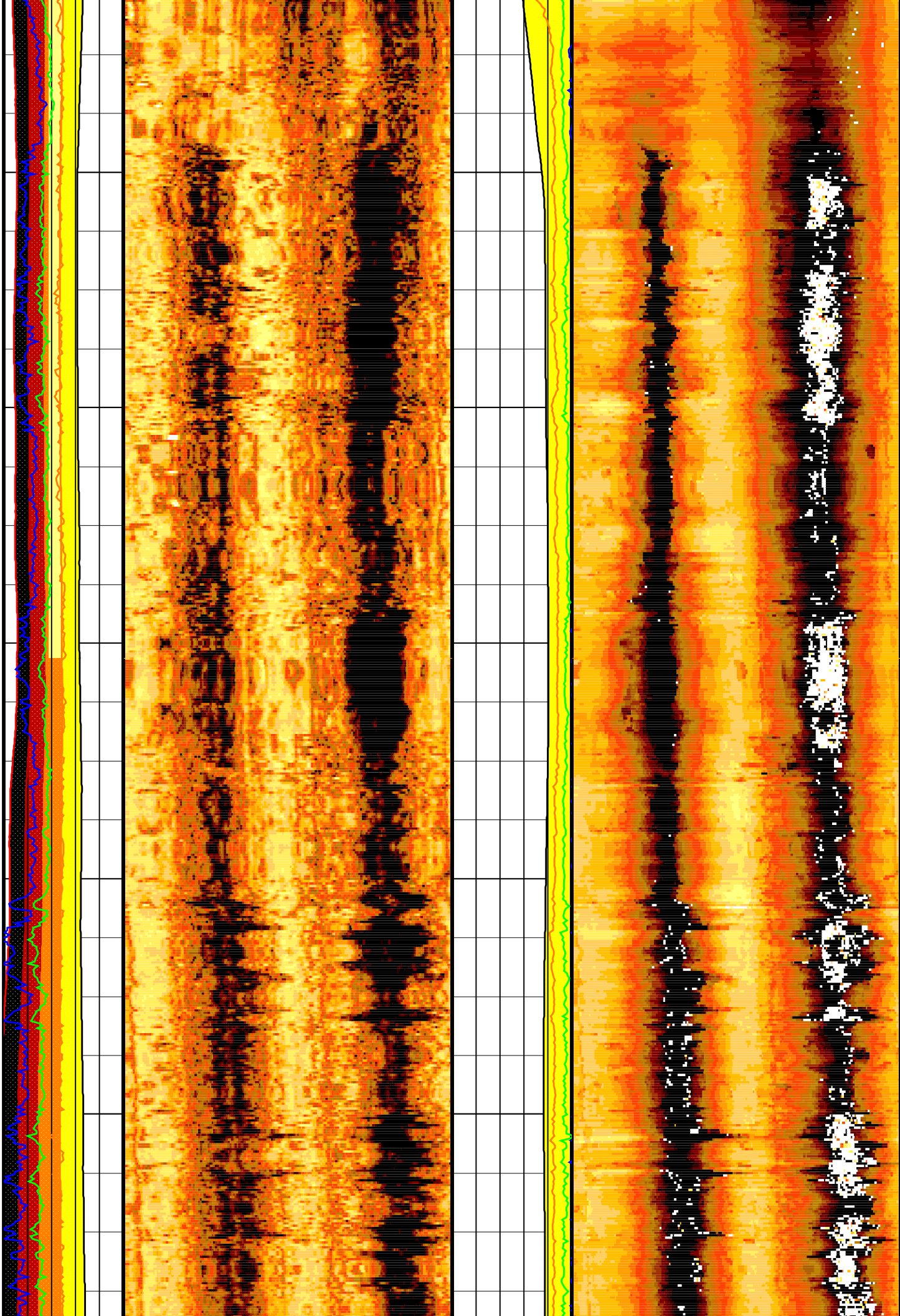
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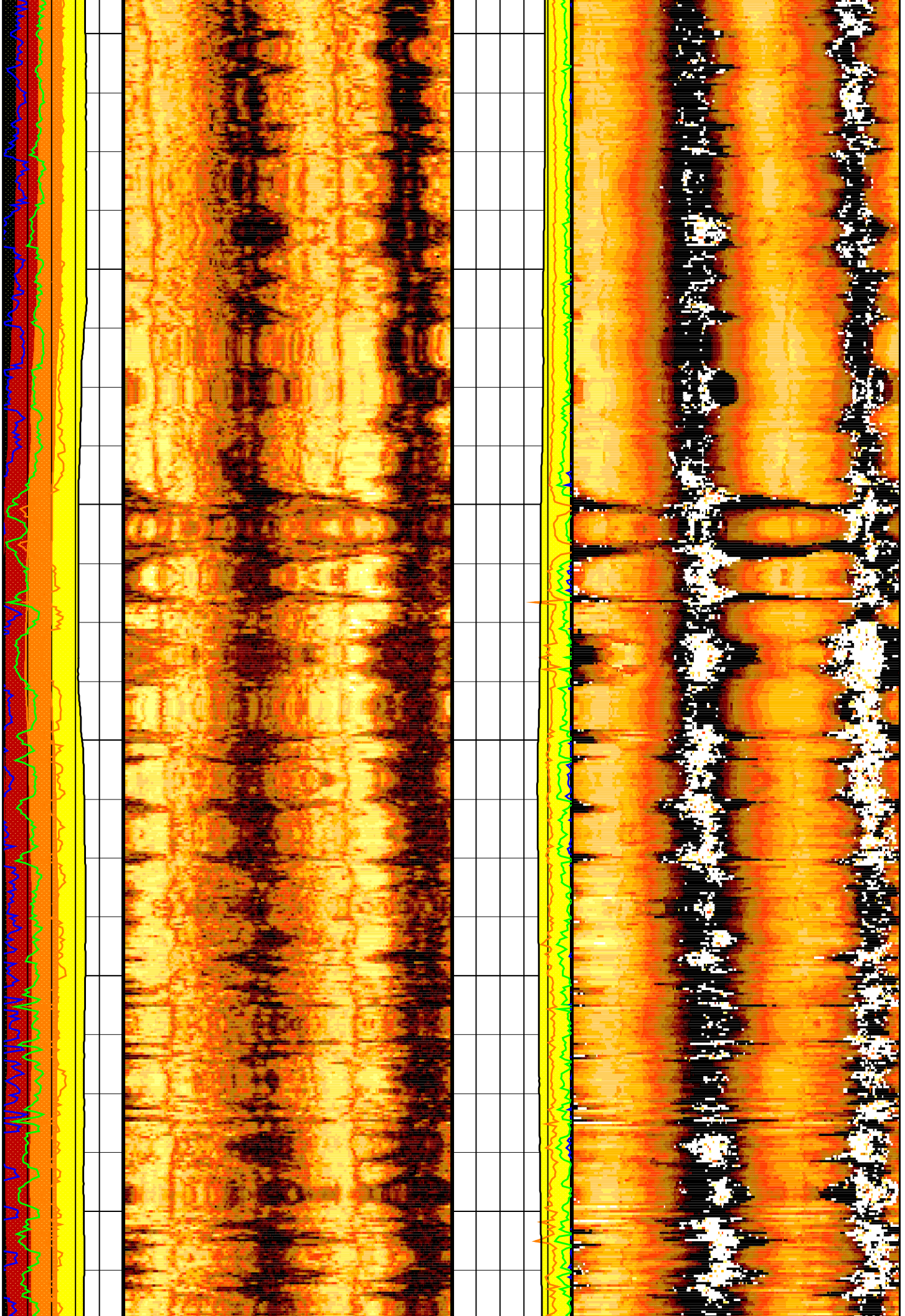
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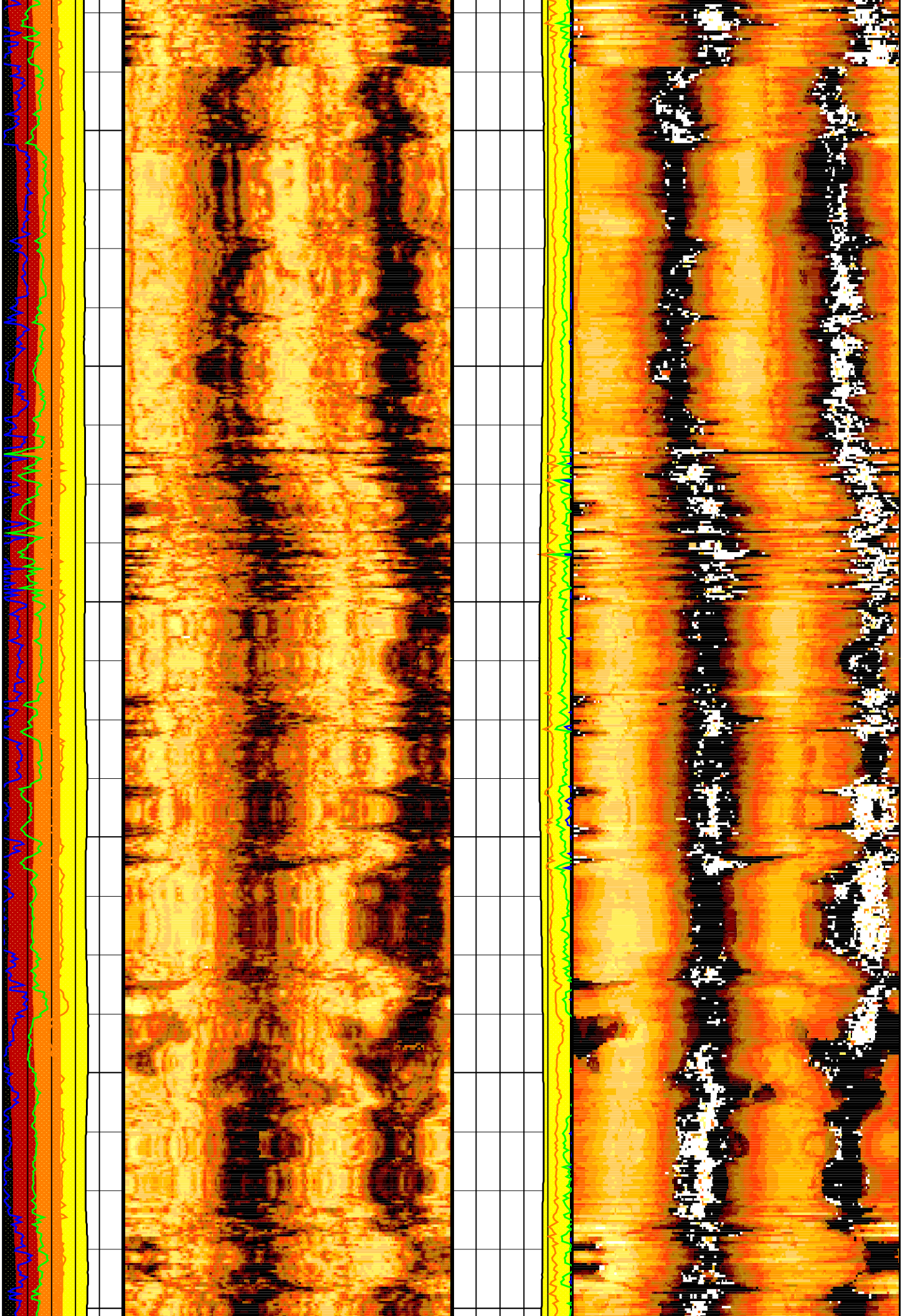
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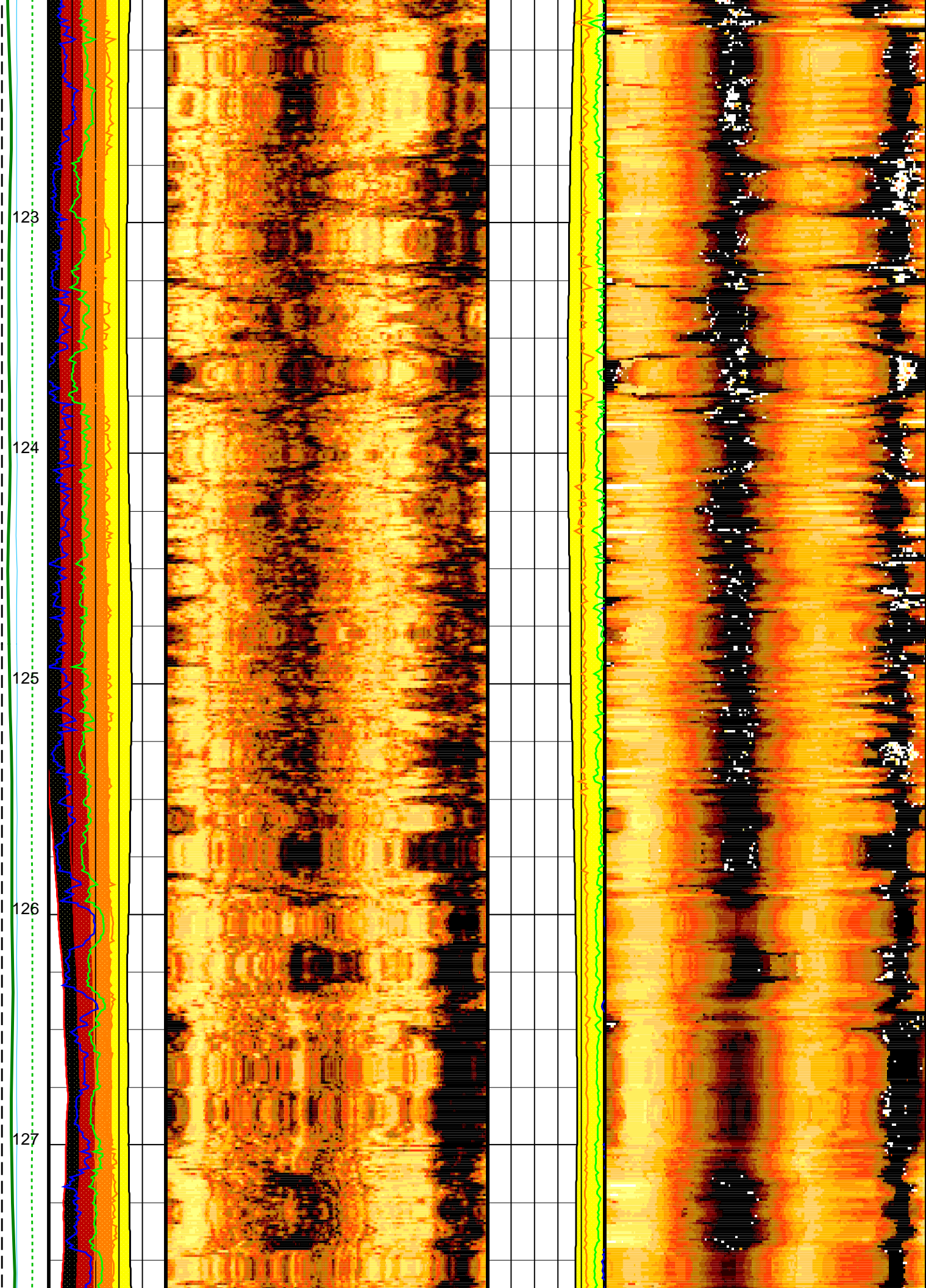
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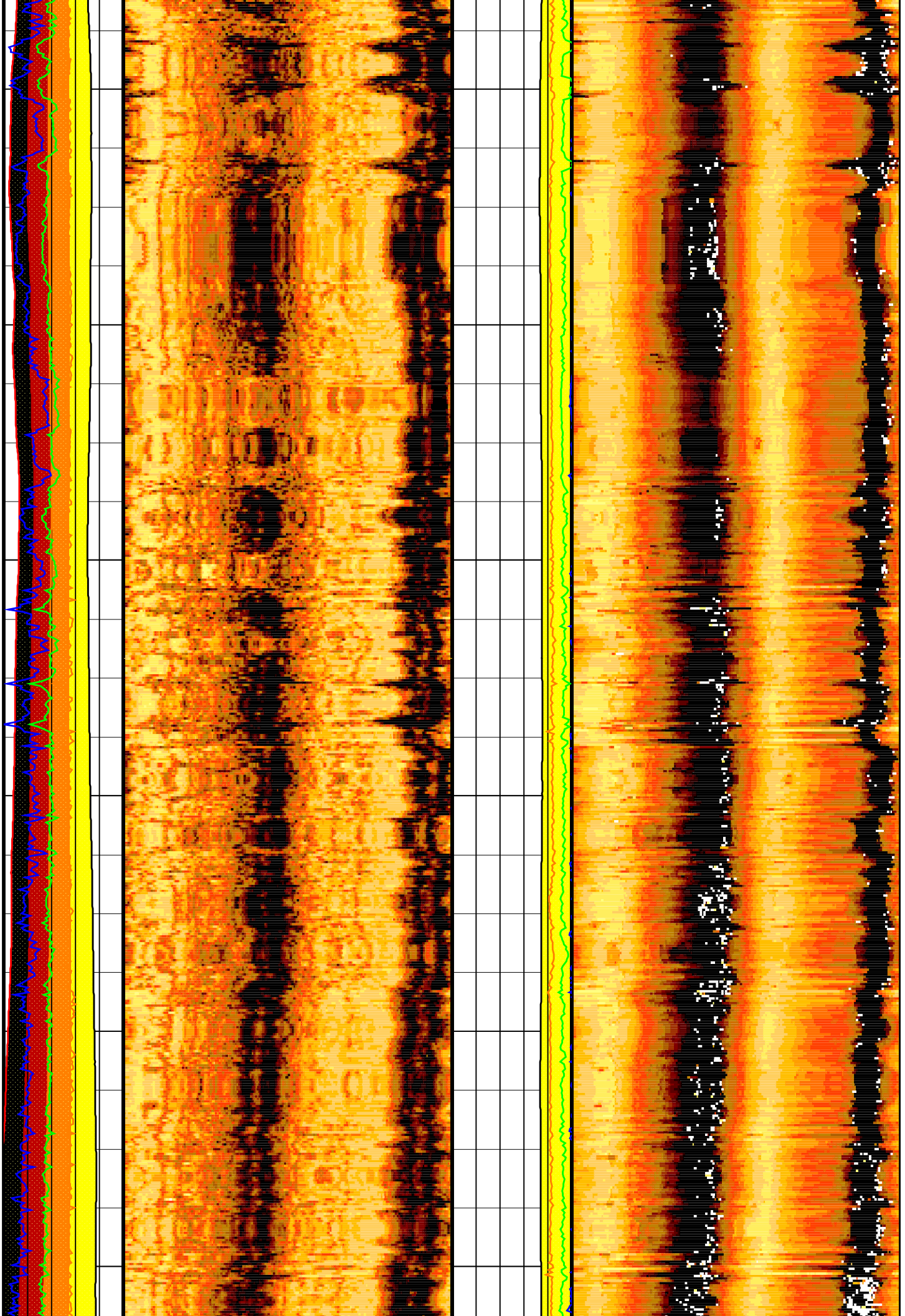
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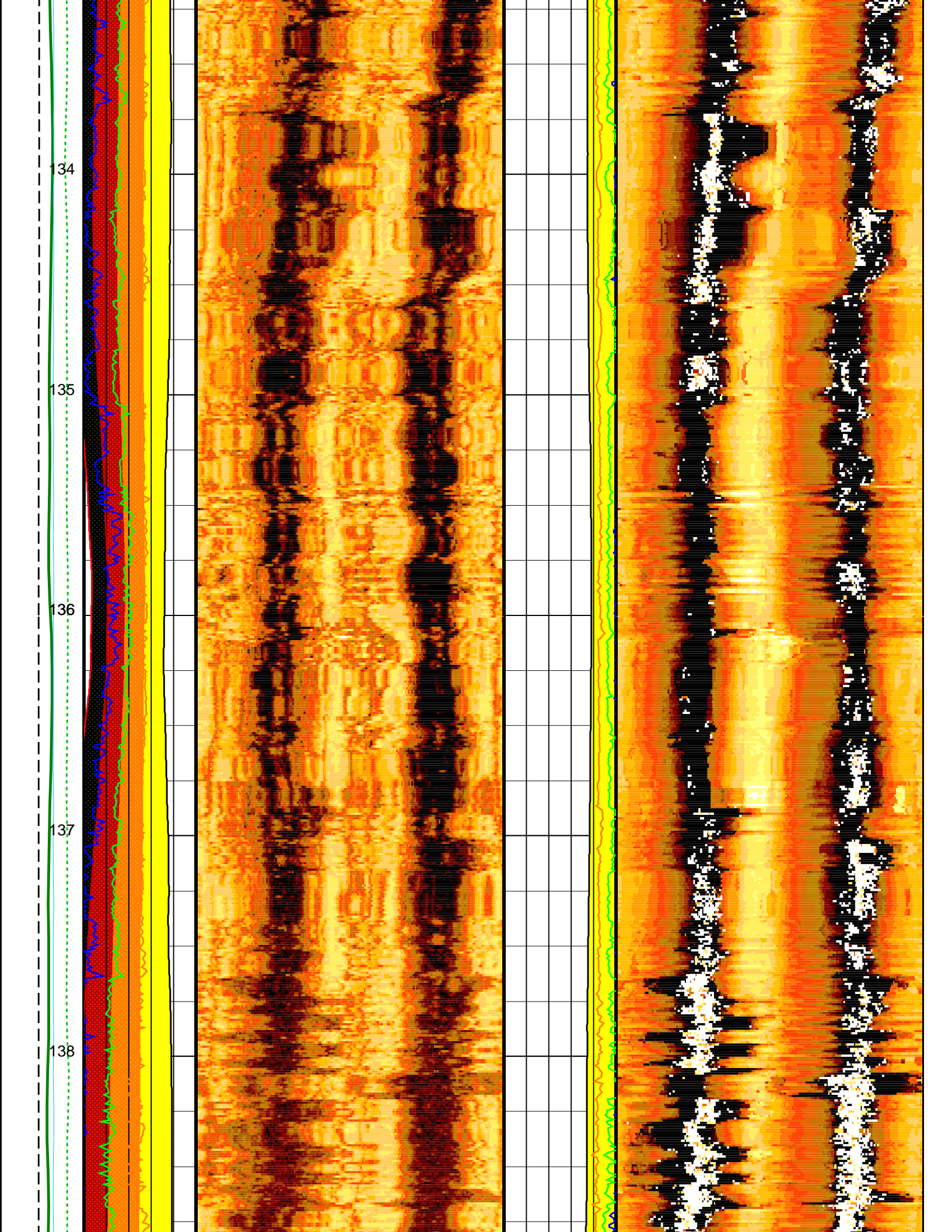
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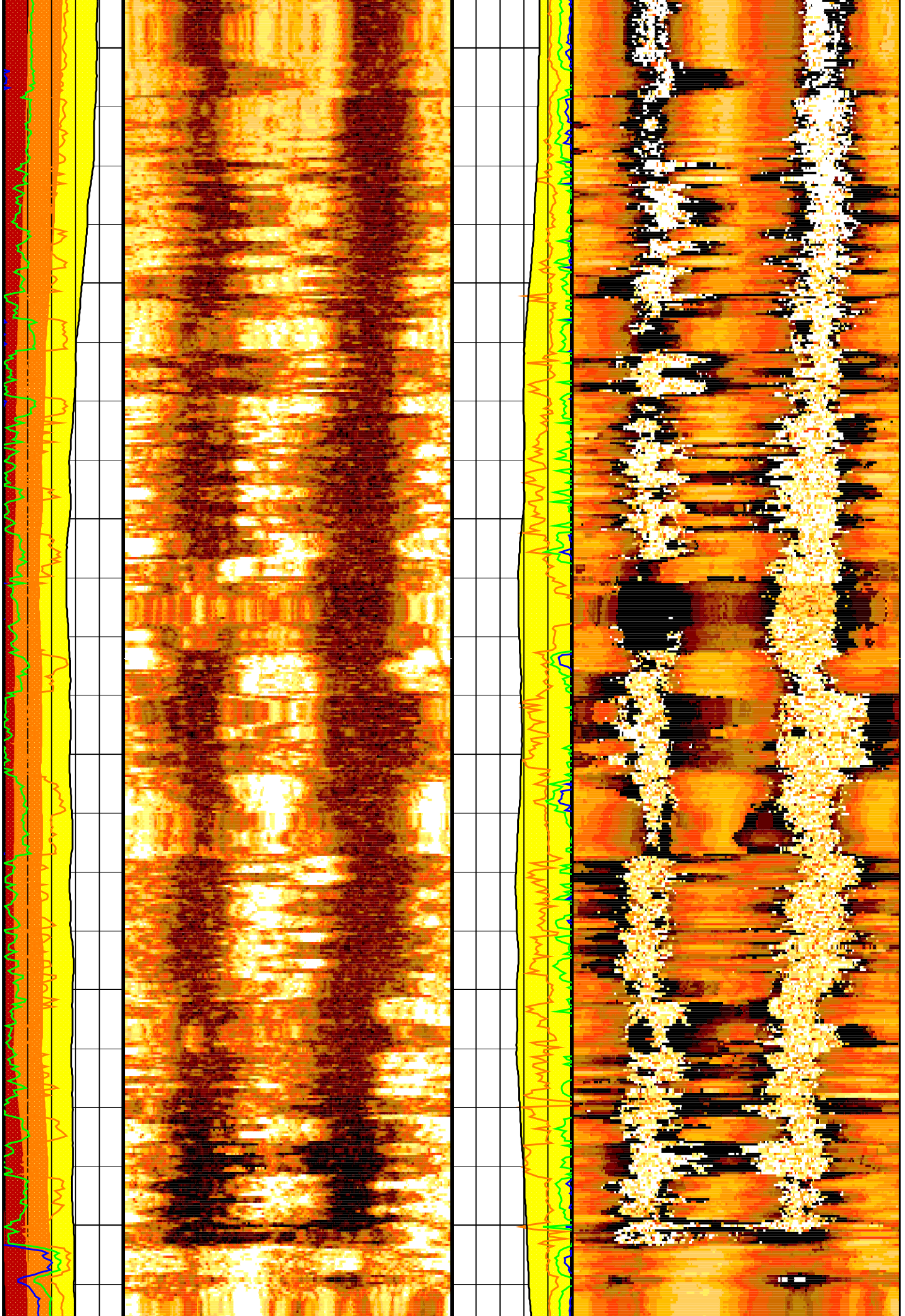


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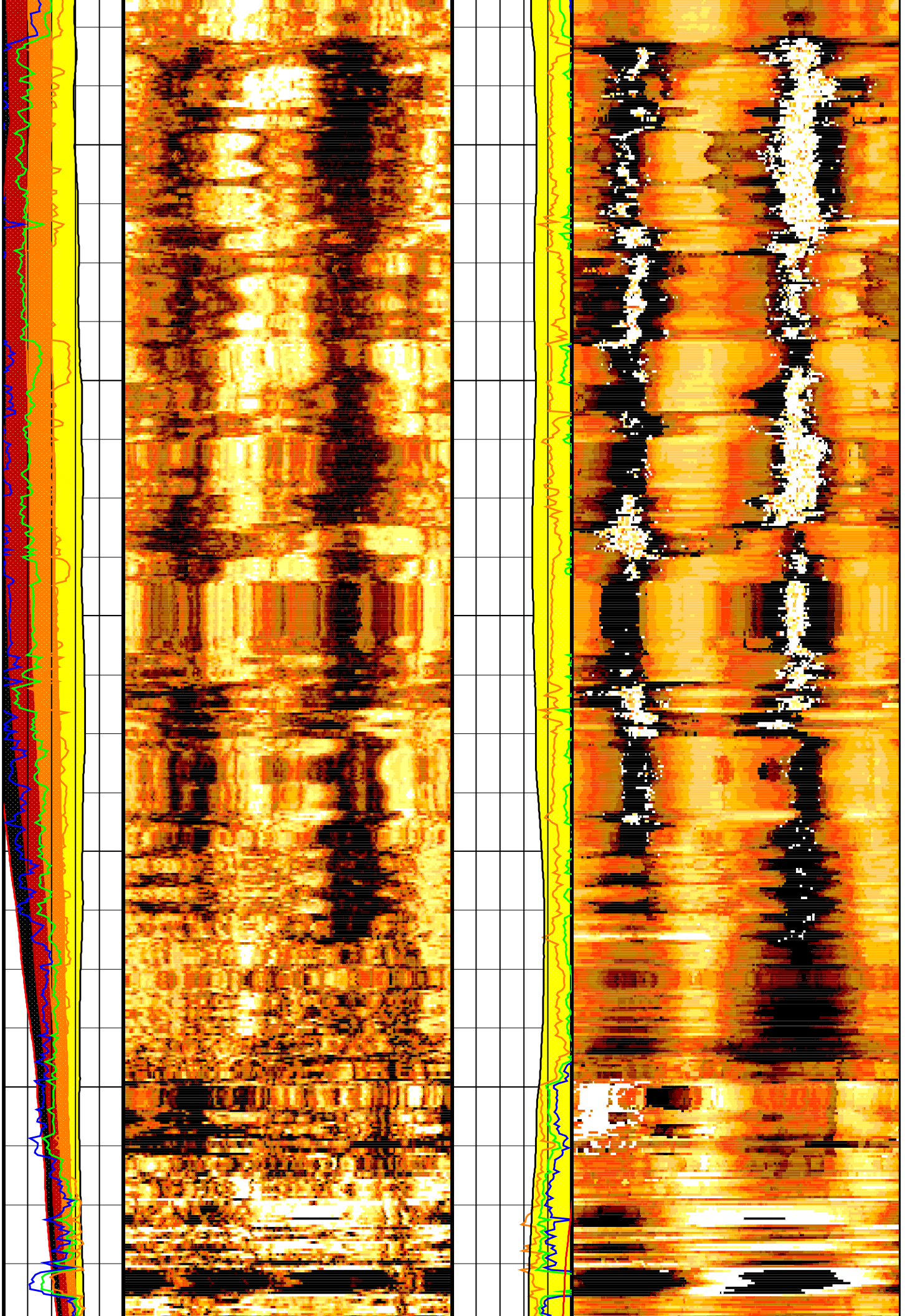
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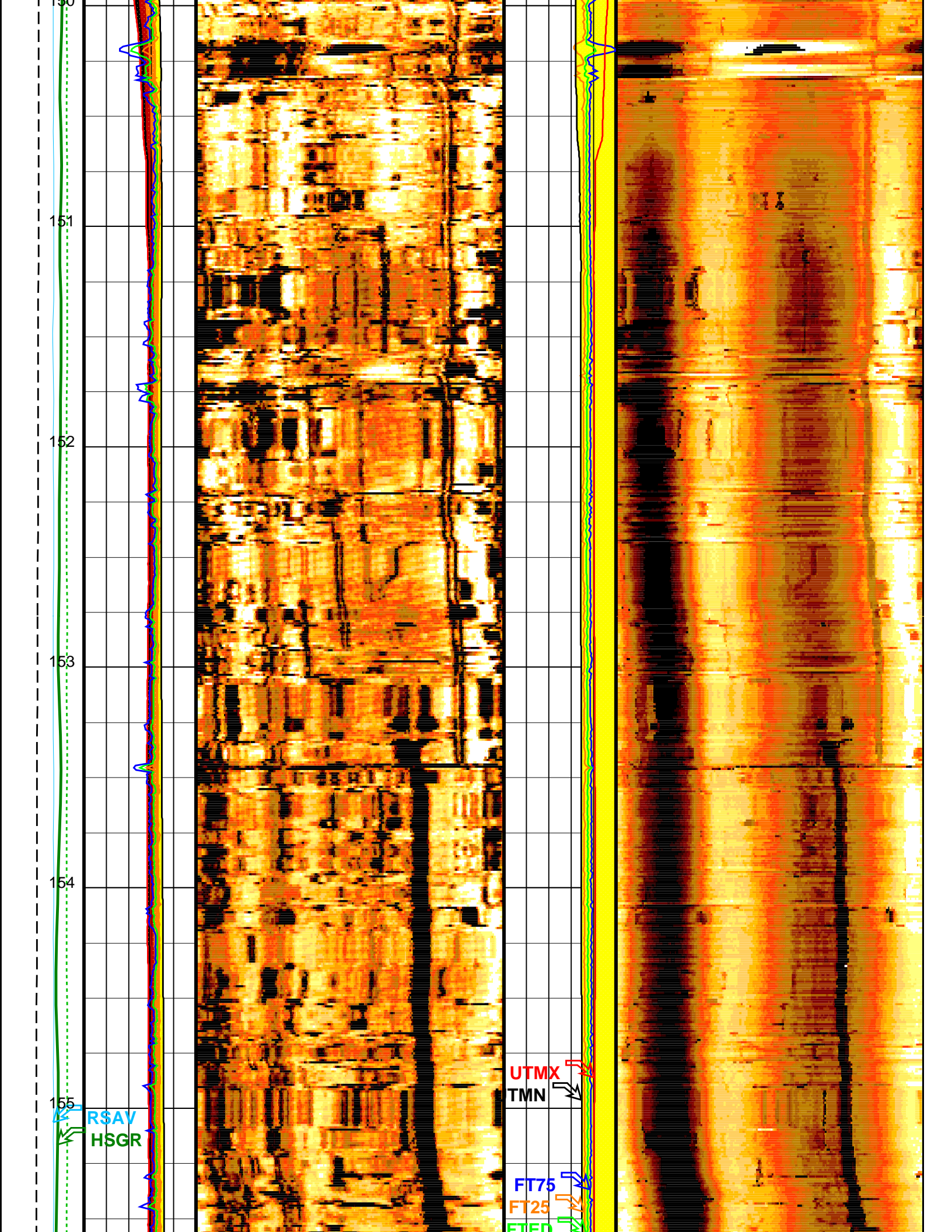
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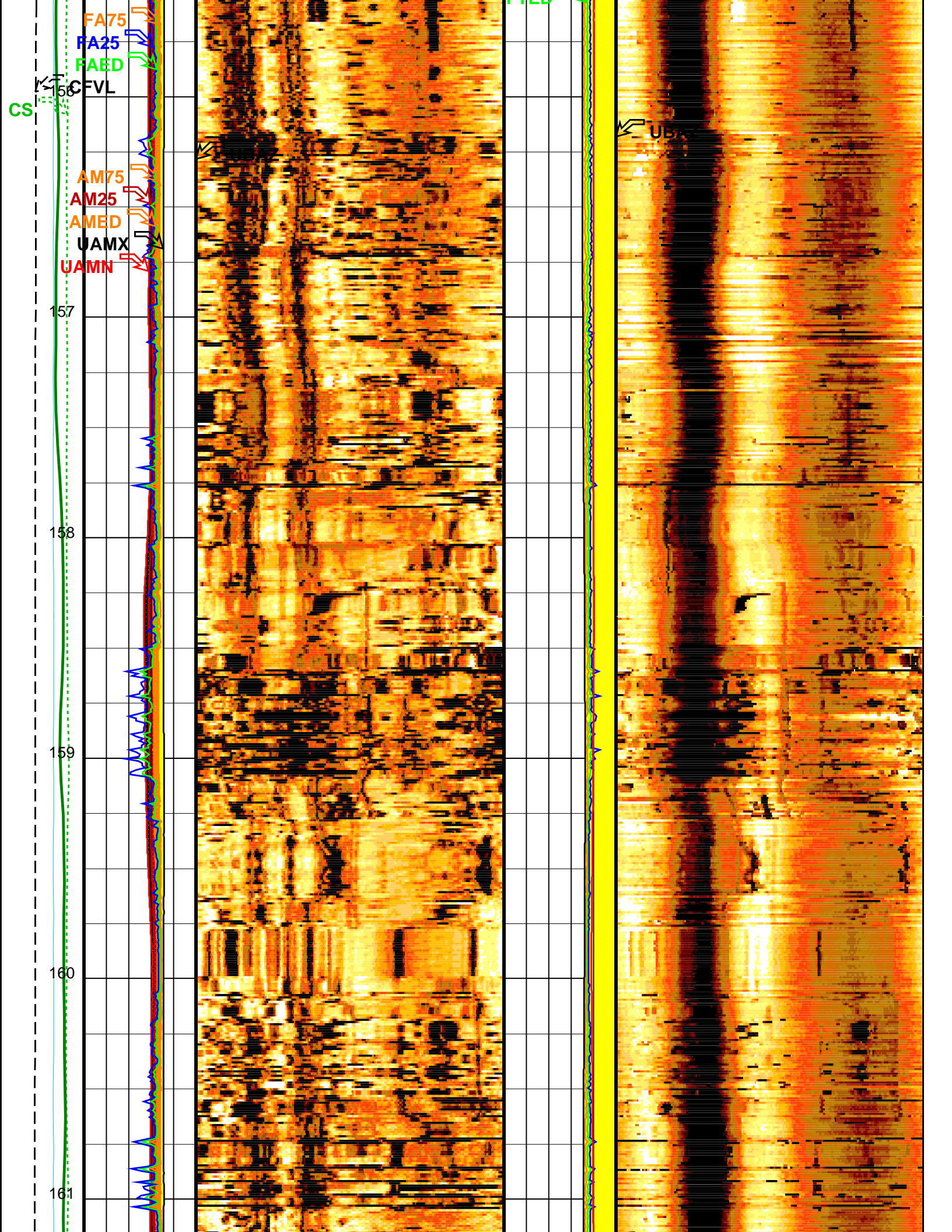


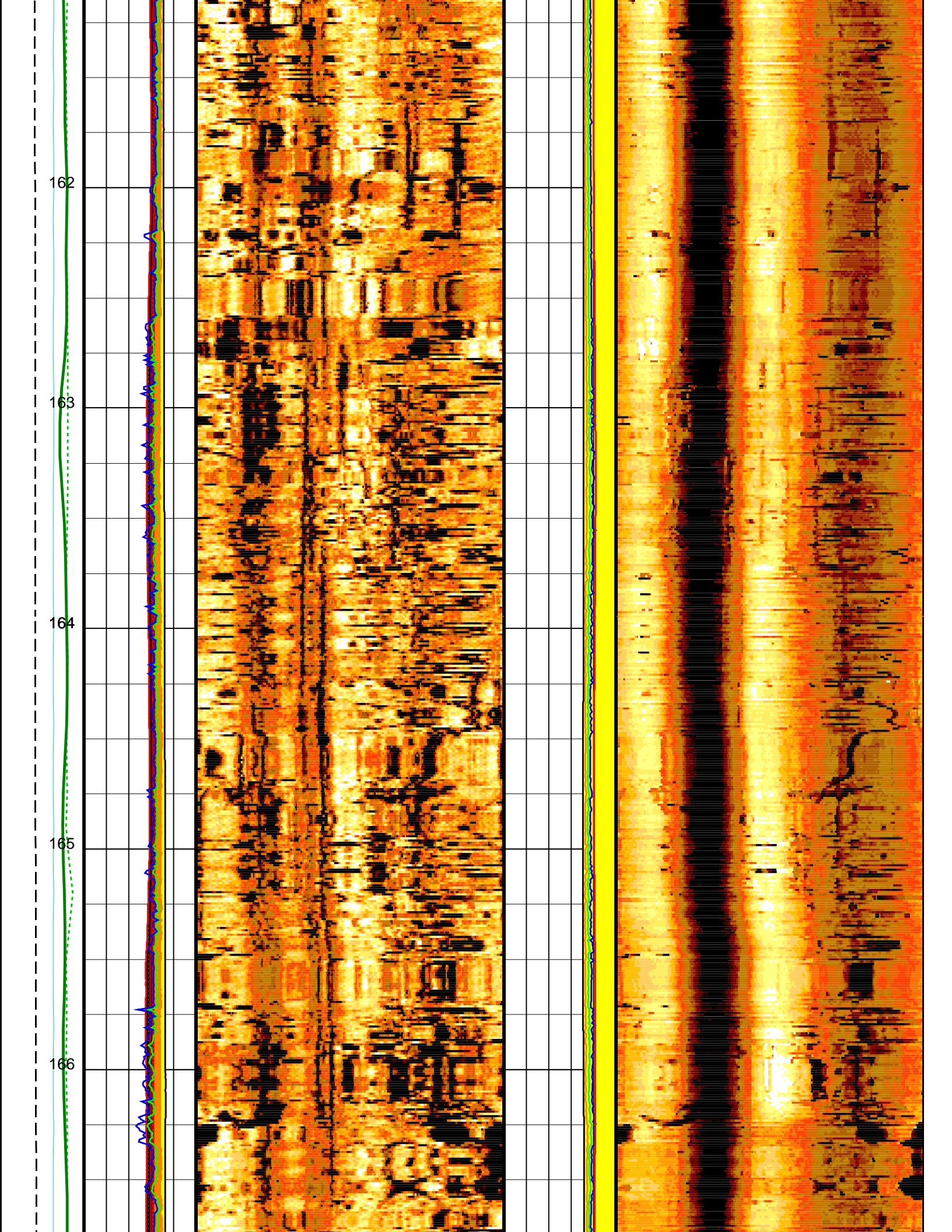
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151
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153
154
155

RSAV
HSGR

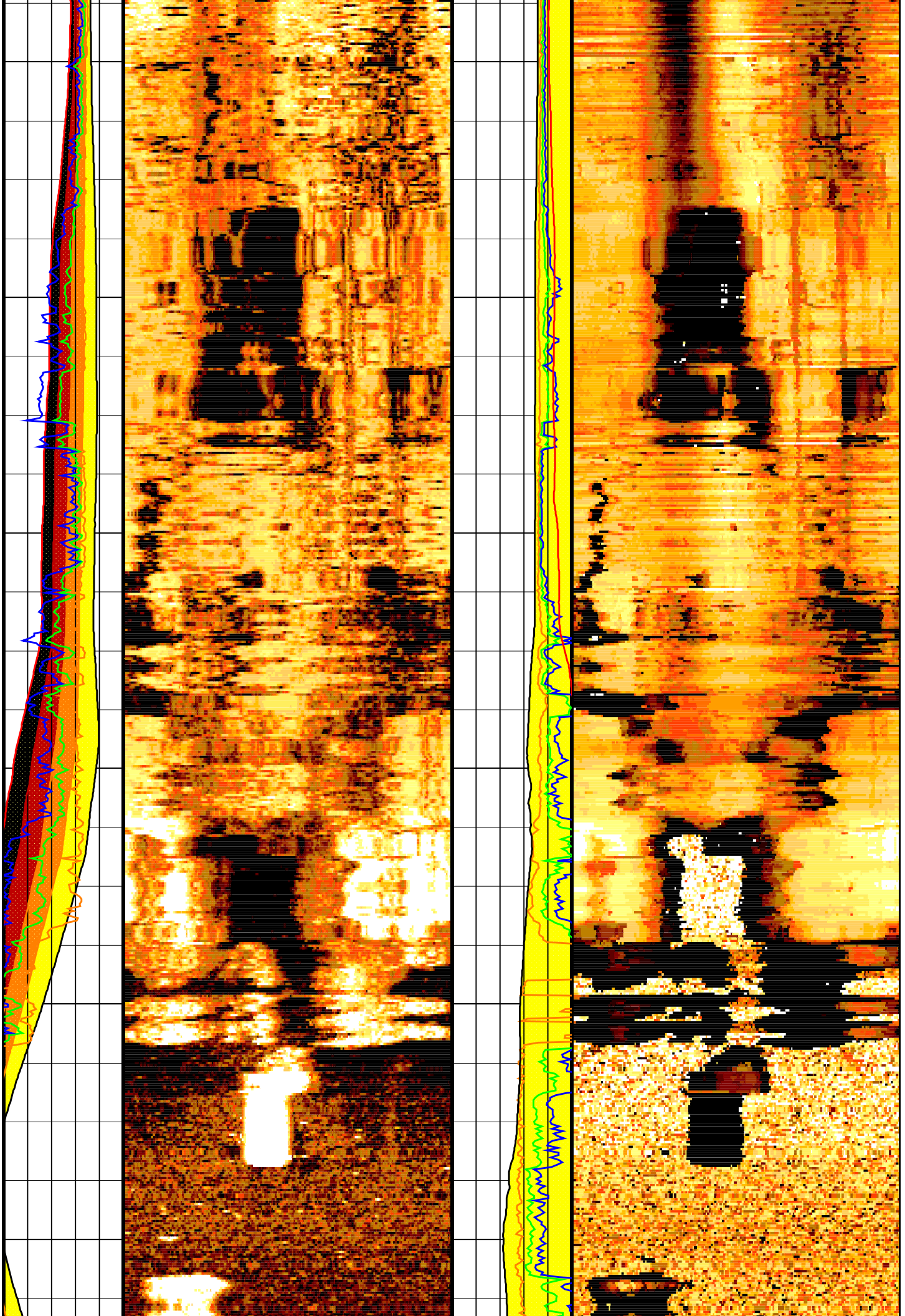
UTMX
TMN

FT75
FT25
FTED





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169
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172



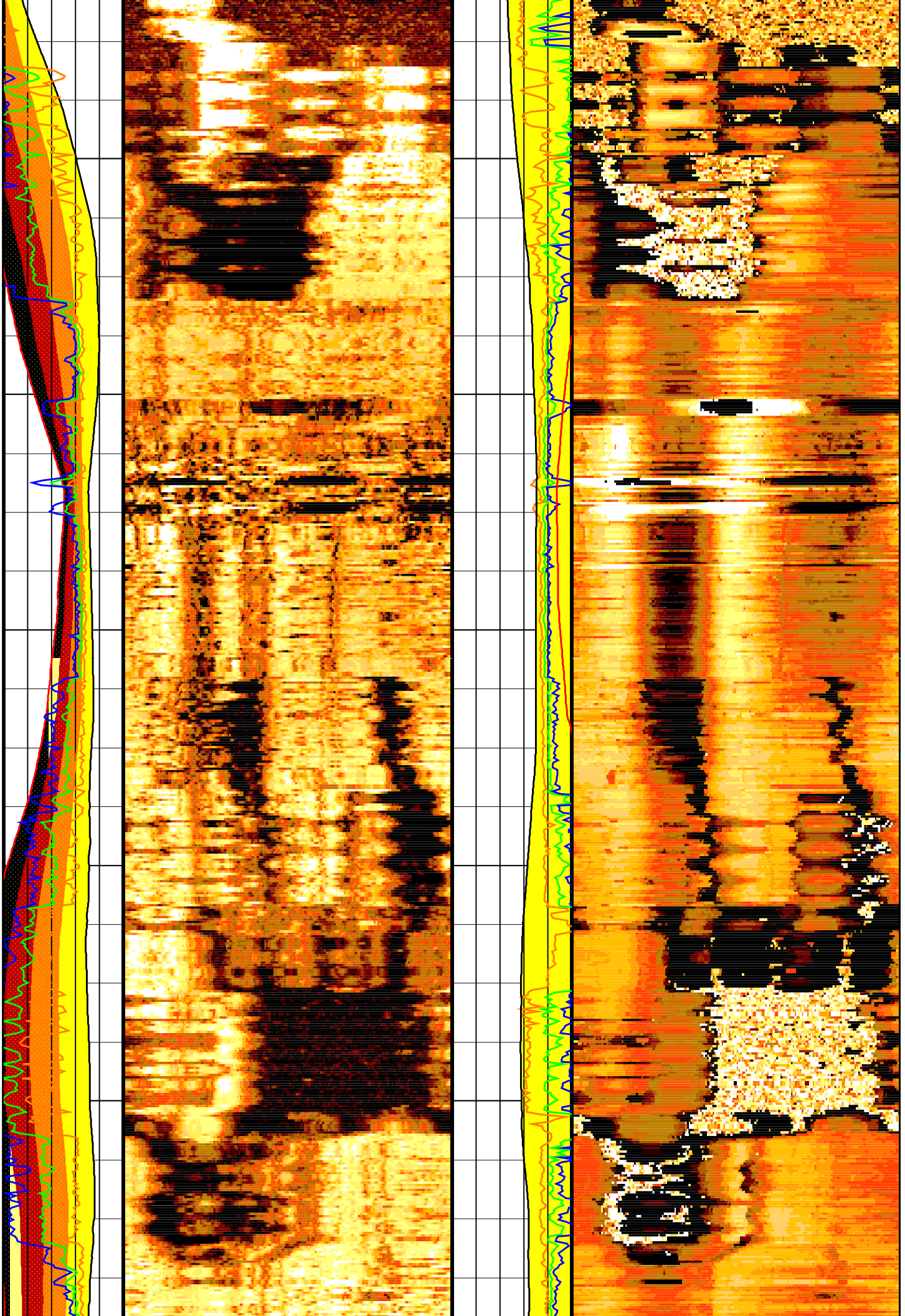
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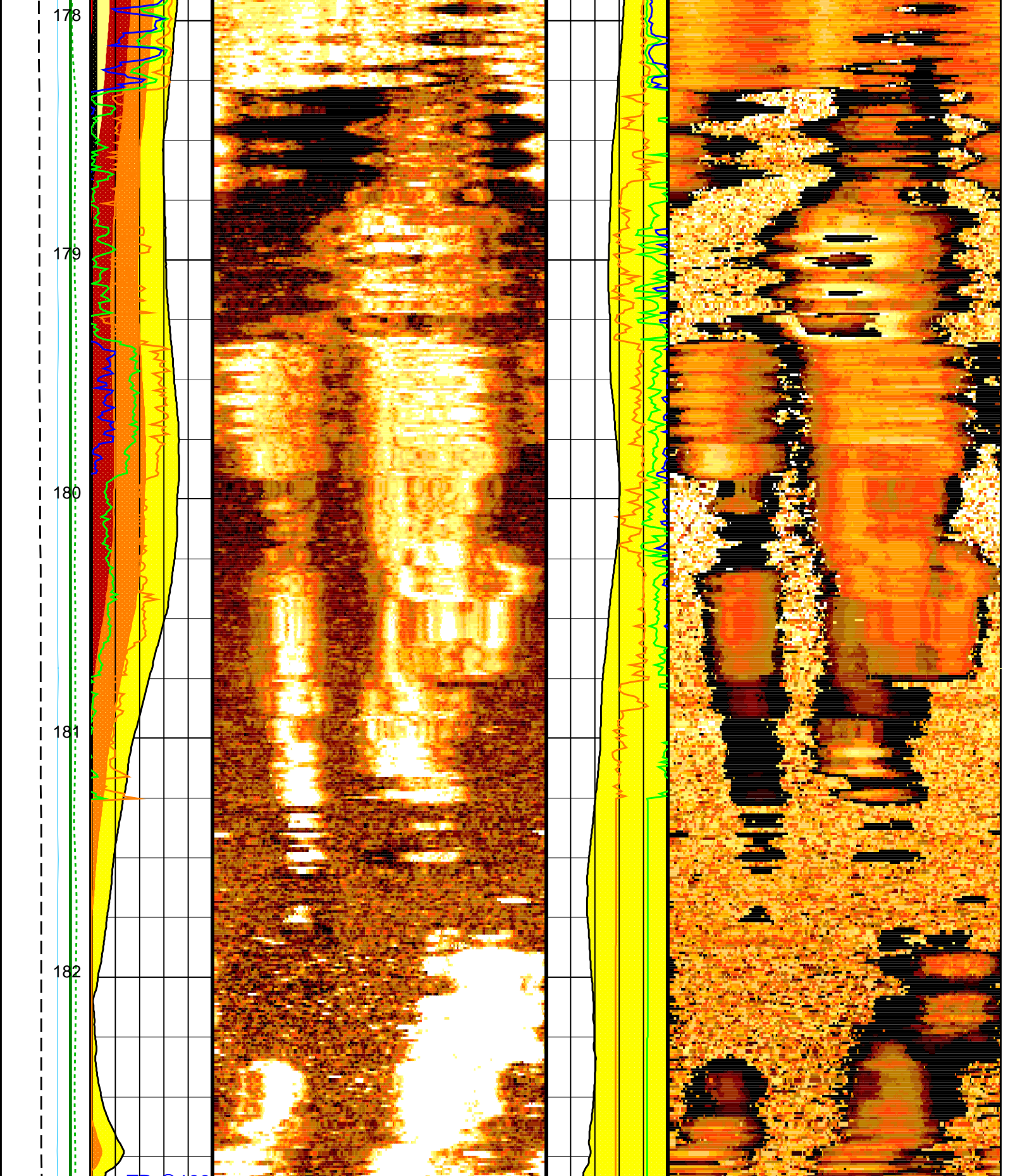
174

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TD @ 186m

Rev. speed (RSAV) 6 (RPS) 80
 LOW Amplitude (FA25) (DB) 50

Corrected Amplitude (AWCN) (DB)
 -500.0000 0.0000 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.0000 11.0000 12.0000 13.0000 14.0000 15.0000

MEDIAN Radius (FTED) 3 (IN) 6

Corrected transit time (TTCN) (US)
 -500.0000 0.0000 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.0000 11.0000 12.0000 13.0000 14.0000 15.0000

Cable Speed (CS)
 Min. of Amplitude (LAMB)

1st Pass, Sea Floor Depth Reference

Radius LOW (FT25)

(F/HR)	(UAMN)
0 1000	0 (DB) 50
Fluid velocity (CFVL) (US/F)	Maximum of Amplitude (UAMX)
150 250	0 (DB) 50
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	MEDIAN of Amplitude (FAED)
0 75	0 (DB) 50
	HIGH Amplitude (FA75)
	0 (DB) 50

3 (IN) 6
Radius HIGH (FT75)
3 (IN) 6
Radius min (UTMN)
3 (IN) 6
Radius max (UTMX)
3 (IN) 6

Format: UBI_Image Vertical Scale: 1:20 Graphics File Created: 03-Dec-2012 05:08

OP System Version: 19C0-187

UBI-D	SRPC-5095-H2-2011-OP19	GPIT-A/B	19C0-187
DTA-A	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Parameters

DLIS Name	Description	Value
UBI-D: Ultrasonic Borehole Imager - D		
	UBI Tool Working Mode for FPM	UBI3_SW250_180_1
	UBI Tool Working Mode for Measurement	UBI3_SW250_180_1
	Vertical Resolution	IN: 0.4
	Default Fluid Velocity	206 US/F
AAMN	Automatic Amplitude Minimum Scale	2 DB
AGMN	Minimum Gain of Cartridge	-12DB
AGMX	Maximum Gain of Cartridge	48DB
AMCM	Amplitude - max color scale minimum	-6 DB
AMCX	Amplitude - max color scale maximum	0.2 DB
ANGO	Angular Offset	-17 DEG
ATMN	Automatic Transit Time Minimum Scale	2 US
AWMN	Amplitude Color Scale Minimum	20 DB
AWMX	Amplitude Color Scale Maximum	55 DB
CACN	Corrected Amplitude Color Scale Minimum	0 DB
CACX	Corrected Amplitude Color Scale Maximum	50 DB
CRCN	Corrected Radii Color Scale Minimum	3 IN
CRCX	Corrected Radii Color Scale Maximum	4.5 IN
CSID	Casing Inner Diameter	0 IN
DCMN	Window Decrement Down	0.8
DCMX	Window Decrement Up	0.6
DFVL	Default Fluid Velocity	200 US/F
DISI	Radial Plot Depth Increment	120
DISR	Radial Plot Display Requested	0
DOT	Diameter of Tool	1.85 IN
ECRL	Eccentering Correction Level	FIRST
EMXV	EMEX Voltage	30 V
ERDB	Eccentering Rejection	12 DB
FDOS	FVEL Depth Offset	0 M
FMOS	FVEL Measurement Offset	0 US/F
FVLM	Fluid Velocity Filter	MEAN
GCSW	Gain Correction	ON
HFLT	FVEL Filter Size	10
ICMN	Internal Corrosion Color Scale Minimum	-0.15 IN
ICMX	Internal Corrosion Color Scale Maximum	0.15 IN
IMAR	Image Rotation	OFF
INH1	FIFO Inhibition Time	Inh_29us
LIM1	Minimum Limit Control	AUTO
LIM2	Maximum Limit Control	MANUAL
MLCN	Metal Loss Color Scale Minimum	-0.15 IN
MLCX	Metal Loss Color Scale Maximum	0.15 IN
NBCD	Center Correction Depth Level	80
NBLD	Eccentering Correction Depth Level	1
NCDI	Noise Correction Depth Interval	30

PNSW	Processing Noise Correction	ON	
RCSO	Reference Calibrator Standoff	0.795	IN
RJ60	60 Hz Correction	ON	
RRCN	Radii Color Scale Minimum	3	IN
RRCX	Radii Color Scale Maximum	4.5	IN
SUBT	UBI Sub type	Sub_5_inch_S	
SWLV	Sliding Window Minimum	Inh_18us	
SWMX	Sliding Window Maximum	Inh_167us	
UBI_USAC_TASK_ALLOW	UBI USAC Allow Task after Power Up	YES	
UBI_USAC_TASK_TIMEOUT	UBI USAC Task Timeout (in seconds) FOR TEST REPORT	600	
UFON	UBI Flagging of Lost Echoes	OFF	
UGOS	UBI/UCI GPIT Offset	3.63	IN
UMFR	Modulation Frequency	500000	HZ
UPAT	Emission Pattern	Pattern_250K	
USFR	Sampling Frequency	1e+006	HZ
USTO	Ultrasonic Time Offset	-3	US
USUB	UBI Sub Identifier	Sub_5_inch	
UWKM	Current Working Mode	UBI3_SW250_180_1	
VERR	acq VERTICAL Resolution	IN: 0.4	
WFVS	Vertical Sampling	0.4	IN
WINB	Window Beginning Time	18.5	US
WINE	Window end time	36	US

GPIT-A/B: General Purpose Inclinator

ACPP	Accelerometer PROM Presence	PRESENT	
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE	
ART	Accelerometer Reference Temperature	20	DEGC
GLM	GPIT Logging Mode	DIPM	
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION	
MAPP	Magnetometer PROM Presence	PRESENT	
MDEC	Magnetic Field Declination	-0.895005	DEG
MRTE	Magneto Reference Temperature	19	DEGC
TEMS	GPIT Temperature Sensor Used	BOTH	
U-GPOF	Playback OLD VERSION GPIT FILE (BEFORE OP14 + SRPC-3098-FEB_2006_C) ?	NO	

HNGS-BA: Hostile Natural Gamma Ray Sonde

BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	70	DEGF
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
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	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.0021021	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
ISSBAR	Barite Mud Switch	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	68	DEGF
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	3.02703	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	2.67465	

EDTC-B: Enhanced DTS Cartridge

BHFL	Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	70	DEGF
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DPPM	Density Porosity Processing Mode	HIRS	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
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	
HSCO	Hole Size Correction Option	YES	
ISSBAR	Barite Mud Switch	BARITE	
ISSBAR_EDTC	Nuclear Mud Type	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	

MCSO	Mud Cake Correction Option	NO	BARI
MCOR	Mud Correction	NO	
MWCO	Mud Weight Correction Option	NO	
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68	DEGF
SOCN	Standoff Distance	0	IN
SOCO	Standoff Correction Option	NO	
TPOS_EDTC	EDTC Tool Centered/Eccentered	Centered	
U-ETELM_EDTS	Telemetry Mode for eWAFE	Standard_EDTS	
U-TELM_EDTS	Telemetry Mode for WAFE	Standard_EDTS	

UHSV: UBI Hole Shape Analysis

	UBI Tool Working Mode for FPM	UBI3_SW250_180_1	
	UBI Tool Working Mode for Measurement	UBI3_SW250_180_1	
	Vertical Resolution	IN: 0.4	
	Default Fluid Velocity	206	US/F
AAMN	Automatic Amplitude Minimum Scale	2	DB
AGMN	Minimum Gain of Cartridge	-12DB	
AGMX	Maximum Gain of Cartridge	48DB	
AMCM	Amplitude - max color scale minimum	-6	DB
AMCX	Amplitude - max color scale maximum	0.2	DB
ANGO	Angular Offset	-17	DEG
ATMN	Automatic Transit Time Minimum Scale	2	US
AWMN	Amplitude Color Scale Minimum	20	DB
AWMX	Amplitude Color Scale Maximum	55	DB
CACN	Corrected Amplitude Color Scale Minimum	0	DB
CACX	Corrected Amplitude Color Scale Maximum	50	DB
CRCN	Corrected Radii Color Scale Minimum	3	IN
CRCX	Corrected Radii Color Scale Maximum	4.5	IN
CSID	Casing Inner Diameter	0	IN
DCMN	Window Decrement Down	0.8	
DCMX	Window Decrement Up	0.6	
DFVL	Default Fluid Velocity	200	US/F
DISI	Radial Plot Depth Increment	120	
DISR	Radial Plot Display Requested	0	
DOT	Diameter of Tool	1.85	IN
ECRL	Eccentering Correction Level	FIRST	
EMXV	EMEX Voltage	30	V
ERDB	Eccentering Rejection	12	DB
FDOS	FVEL Depth Offset	0	M
FMOS	FVEL Measurement Offset	0	US/F
FVLM	Fluid Velocity Filter	MEAN	
GCSW	Gain Correction	ON	
HFLT	FVEL Filter Size	10	
ICMN	Internal Corrosion Color Scale Minimum	-0.15	IN
ICMX	Internal Corrosion Color Scale Maximum	0.15	IN
IMAR	Image Rotation	OFF	
INHT	FIFO Inhibition Time	Inh_29us	
LIM1	Minimum Limit Control	AUTO	
LIM2	Maximum Limit Control	MANUAL	
MLCN	Metal Loss Color Scale Minimum	-0.15	IN
MLCX	Metal Loss Color Scale Maximum	0.15	IN
NBCD	Color Correction Depth Level	80	
NBLD	Eccentering Correction Depth Level	1	
NCDI	Noise Correction Depth Interval	30	
PNSW	Processing Noise Correction	ON	
RCSO	Reference Calibrator Standoff	0.795	IN
RJ60	60 Hz Correction	ON	
RRCN	Radii Color Scale Minimum	3	IN
RRCX	Radii Color Scale Maximum	4.5	IN
SUBT	UBI Sub type	Sub_5_inch_S	
SWLV	Sliding Window Minimum	Inh_18us	
SWMX	Sliding Window Maximum	Inh_167us	
UFON	UBI Flagging of Lost Echoes	OFF	
UGOS	UBI/UCI GPIT Offset	3.63	IN
UMFR	Modulation Frequency	500000	HZ
UPAT	Emission Pattern	Pattern_250K	
USFR	Sampling Frequency	1e+006	HZ
USTO	Ultrasonic Time Offset	-3	US
USUB	UBI Sub Identifier	Sub_5_inch	
UWKM	Current Working Mode	UBI3_SW250_180_1	
VERR	acq VERTical Resolution	IN: 0.4	
WFVS	Vertical Sampling	0.4	IN
WINB	Window Beginning Time	18.5	US
WINE	Window end time	36	US

System and Miscellaneous

ALDTPCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	11.000	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	5.500	IN
CWEI	Casing Weight	43.00	LB/F
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	-550.0	M
FLEV	Fluid Level	0.00	M
MST	Mud Sample Temperature	-50000.00	DEGC

PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	NORMAL	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	3740	FT
TDD	Total Depth - Driller	1133.00	M
TDL	Total Depth - Logger	737.00	M
TWS	Temperature of Connate Water Sample	37.78	DEGC

Input DLIS Files

DEFAULT UBI_NGS_022LUP FN:36 PRODUCER 30-Nov-2012 22:08 733.8 M 645.9 M

Output DLIS Files

DEFAULT UBI_NGS_073PUP FN:101 PRODUCER 03-Dec-2012 05:08

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
General Purpose Inclinomometer Wellsite Calibration - CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 30-Nov-2012 20:29							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	92	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	10	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	448	N/A	N/A	N/A	
General Purpose Inclinomometer Wellsite Calibration - CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY							
Before: 30-Nov-2012 20:29							
TEMPERATURE REFERENCE :	N/A	N/A	19	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	99	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	12	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	428	N/A	N/A	N/A	
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check							
Master: 15-Oct-2012 4:07 Before: 27-Oct-2012 17:27							
Na 511 Peak Loc	40.00	39.46	39.68	N/A	N/A	1.000	
Na 511 Peak Res	15.50	15.52	15.36	N/A	N/A	2.000	%
High Voltage	1150	1159	1180	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	141.4	142.1	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	8.629	9.065	N/A	N/A	2.000	%
Temperature	15.50	22.62	32.56	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	17.26	16.53	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check							
Master: 15-Oct-2012 4:07 Before: 27-Oct-2012 17:27							
Na 511 Peak Loc	40.00	39.42	39.73	N/A	N/A	1.000	
Na 511 Peak Res	15.50	15.34	15.56	N/A	N/A	2.000	%
High Voltage	1150	1092	1114	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	141.6	142.6	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	8.553	8.724	N/A	N/A	2.000	%
Temperature	15.50	22.74	33.00	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	16.99	17.34	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Ratio Of Detector 1 To Detector 2							
Master: 15-Oct-2012 4:07 Before: 27-Oct-2012 17:27							
Coincidence Count Rate Ratio	1.000	1.017	0.9512	N/A	N/A	0.05000	
Hostile Natural Gamma Ray Sonde Master Calibration - Detector 1 Calibration							
Master: 15-Oct-2012 4:07							
Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	210.7	--	--	--	--	
Th Peak Res	7.000	6.661	--	--	--	--	%
Background Count Rate	142.5	21.23	--	--	--	--	CPS
Gain Ratio	1.000	1.016	--	--	--	--	
Hostile Natural Gamma Ray Sonde Master Calibration - Detector 2 Calibration							
Master: 15-Oct-2012 4:07							
Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	207.9	--	--	--	--	
Th Peak Res	7.000	6.668	--	--	--	--	%
Background Count Rate	142.5	21.12	--	--	--	--	CPS
Gain Ratio	1.000	1.003	--	--	--	--	

Enhanced DTS Cartridge Wellsite Calibration - EDTC Accelerometer Calibration

Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration								
Before: 30–Nov–2012 16:38								
EDTC Z–Axis Acceleration	9.810	N/A	9.788	N/A	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration								
Before: Calibration out of date 15–Oct–2012 3:09								
Gamma Ray (Jig – Bkg)	160.6	N/A	160.6	N/A	N/A	14.60	GAPI	
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI	

General Purpose Inclinomter / Equipment Identification		
Primary Equipment: GPIT Cartridge – AC	GPIC – AC	719
Auxiliary Equipment: GPIT Housing	GPIH – A	2864

Hostile Natural Gamma Ray Cartridge – B / Equipment Identification		
Primary Equipment: HNGC Cartridge	HNGC – B	300
Auxiliary Equipment: HNGC Housing	HNGH – A	115

Hostile Natural Gamma Ray Sonde / Equipment Identification		
Primary Equipment: HNGS Sonde	HNGS – BA	194
Auxiliary Equipment: HNGS Sonde Housing Gamma Source Radioactive	HNSH – BA GSR – U	205 616008

Hostile Natural Gamma Ray Sonde Wellsite Calibration								
Detector 1 Check								
Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.46	Master		15.52	Master		1159
Before		39.68	Before		15.36	Before		1180
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		141.4	Master		8.629	Master		22.62
Before		142.1	Before		9.065	Before		32.56
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	
Phase	Na Count Rate CPS	Value						
Master		17.26						
Before		16.53						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 15–Oct–2012 4:07			Before: 27–Oct–2012 17:27					

Hostile Natural Gamma Ray Sonde Wellsite Calibration								
Detector 2 Check								
Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.42	Master		15.34	Master		1092
Before		39.73	Before		15.56	Before		1114
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		141.4	Master		8.629	Master		22.62
Before		142.1	Before		9.065	Before		32.56
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	

Master			141.6	Master			8.553	Master			22.74
Before			142.6	Before			8.724	Before			33.00
	135.0 (Minimum)	142.6 (Nominal)	150.3 (Maximum)		7.000 (Minimum)	8.500 (Nominal)	11.00 (Maximum)		-28.89 (Minimum)	15.50 (Nominal)	60.00 (Maximum)
Phase	Na Count Rate CPS		Value								
Master			16.99								
Before			17.34								
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)								
Master: 15-Oct-2012 4:07				Before: 27-Oct-2012 17:27							

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		1.017
Before		0.9512
	0.9500 (Minimum)	1.000 (Nominal)
		1.050 (Maximum)
Master: 15-Oct-2012 4:07		
Before: 27-Oct-2012 17:27		

Hostile Natural Gamma Ray Sonde Master Calibration									
Detector 1 Calibration									
Phase	Na 511 Peak Set Point	Value	Phase	Th Peak Loc	Value	Phase	Th Peak Res %	Value	
Master		41.00	Master		210.7	Master		6.661	
	38.00 (Minimum)	40.00 (Nominal)	43.00 (Maximum)	201.0 (Minimum)	209.6 (Nominal)	218.3 (Maximum)	5.000 (Minimum)	7.000 (Nominal)	9.000 (Maximum)
Phase	Background Count Rate CPS	Value	Phase	Gain Ratio	Value				
Master		21.23	Master		1.016				
	10.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)	0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)			
Master: 15-Oct-2012 4:07									

Hostile Natural Gamma Ray Sonde Master Calibration									
Detector 2 Calibration									
Phase	Na 511 Peak Set Point	Value	Phase	Th Peak Loc	Value	Phase	Th Peak Res %	Value	
Master		41.00	Master		207.9	Master		6.668	
	38.00 (Minimum)	40.00 (Nominal)	43.00 (Maximum)	201.0 (Minimum)	209.6 (Nominal)	218.3 (Maximum)	5.000 (Minimum)	7.000 (Nominal)	9.000 (Maximum)
Phase	Background Count Rate CPS	Value	Phase	Gain Ratio	Value				
Master		21.12	Master		1.003				
	10.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)	0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)			
Master: 15-Oct-2012 4:07									

Enhanced DTS Cartridge / Equipment Identification

Primary Equipment:

EDTC Gamma Ray Detector
Enhanced DTS Cartridge

EDTG - A/B 77693
EDTC - B 8529

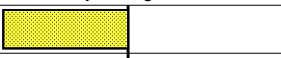
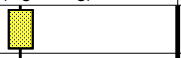
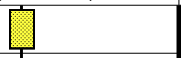
Auxiliary Equipment:

EDTC Housing

EDTH - B 8528

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.788
	9.610 (Minimum)	9.810 (Nominal)
		10.01 (Maximum)
Before: 30-Nov-2012 16:38		

Enhanced DTS Cartridge Wellsite Calibration								
Detector Calibration								

Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig - Bkg) GAPI	Value	Phase	Gamma Ray (Calibrated) GAPI	Value
Before		6.096	Before		160.6	Before		165.0
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			146.0 (Minimum) 160.6 (Nominal) 175.2 (Maximum)			150.0 (Minimum) 165.0 (Nominal) 180.0 (Maximum)	

Before: Calibration out of date 15-Oct-2012 3:09

Company: **Lamont Doherty**



Well: **Expedition 344, Site U1413C**
 Field: **Costa Rica Seismogenesis (CRISP-A2)**
 Rig: **JOIDES Resolution**
 Ocean: **Pacific**

Ultrasonic Borehole
 Imager (UBI)
 Gamma Ray