Rig: **JOIDES Resolution** Country: **USA**

Rig:	JOIDES Resolution	FMS Microresistivity			
Field:	Asian Monsoon	LOCATION	Latitude: N 35* 1.9996'		Elev.: K.B. -337.10 m
Location:	Latitude: N 35* 1.9996'		Longitude: E 134* 47.999'		G.L. 0.00 m
Well:	Expedition 346, Site U1427A				D.F. -337.10 m
Company:	Lamont Doherty Earth Observatory		Permanent Datum: Sea Floor		Elev.: 0.00 m
			Log Measured From: Drill Floor	-337.10 m above Perm. Datum	
			Drilling Measured From: Drill Floor		
		Ocean: Pacific	Max. Well Deviation 0 deg	Longitude E 134.8*	Latitude N 35.033*

Logging Date			8-Sep-2013					
Run Number			1					
Depth Driller			548.6 m					
Schlumberger Depth			547.1 m					
Bottom Log Interval			545.7 m					
Top Log Interval			93.8 m					
Casing Driller Size @ Depth			5.500 in @ 83 m			@		
Casing Schlumberger			82.2 m					
Bit Size			11.438 in					
Type Fluid In Hole			WBM					
MUD	Density	Viscosity	1.26 g/cm3					
	Fluid Loss	PH						
	Source Of Sample		N/A					
	RM @ Measured Temperature		@			@		
RMF @ Measured Temperature		@			@			
RMC @ Measured Temperature		@			@			
Source RMF	RMC		N/A		N/A			
RM @ MRT	RMF @ MRT		@ 15		@ 15		@	@
Maximum Recorded Temperatures			15 degC					
Circulation Stopped		Time	8-Sep-2013		5:00			
Logger On Bottom		Time	8-Sep-2013		14:35			
Unit Number		Location	625003 Houston					
Recorded By			C. Furman					
Witnessed By			J. Lofi					

[illegible]

Run 4

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

OS1:	HLDS
OS2:	HNGS
OS3:	MSS
OS4:	DSI
OS5:	HRLA

Hole drilled and cored using APC/XCB coring system.
Modified MCD devices run above and below HRLA for centralization.
HLDS and MSS eccentralized by caliper and bowspring with knuckled to decouple from HRLA.
LFV Actuator (Go–Devil) run attached to bottom of MSS for LFV locking open / closed.
Logs recorded from drill floor (337.1m above permanent datum) then shifted to zero at sea floor.
Hole drilled with sea water and then displaced with weighted water–based mud having a density of 1.259 g/cc (10.5ppg).
Barite corrections applied to nuclear logs.
DSI run with Upper Dipole, P&S, and Stoneley in standard frequency for all passes.
DSI Lower Dipole run in LFD mode for downlog; standard frequency for both up passes.
EMEX switched off at 93.8m and FMS caliper closed at 91.8m to facilitate pipe entry.

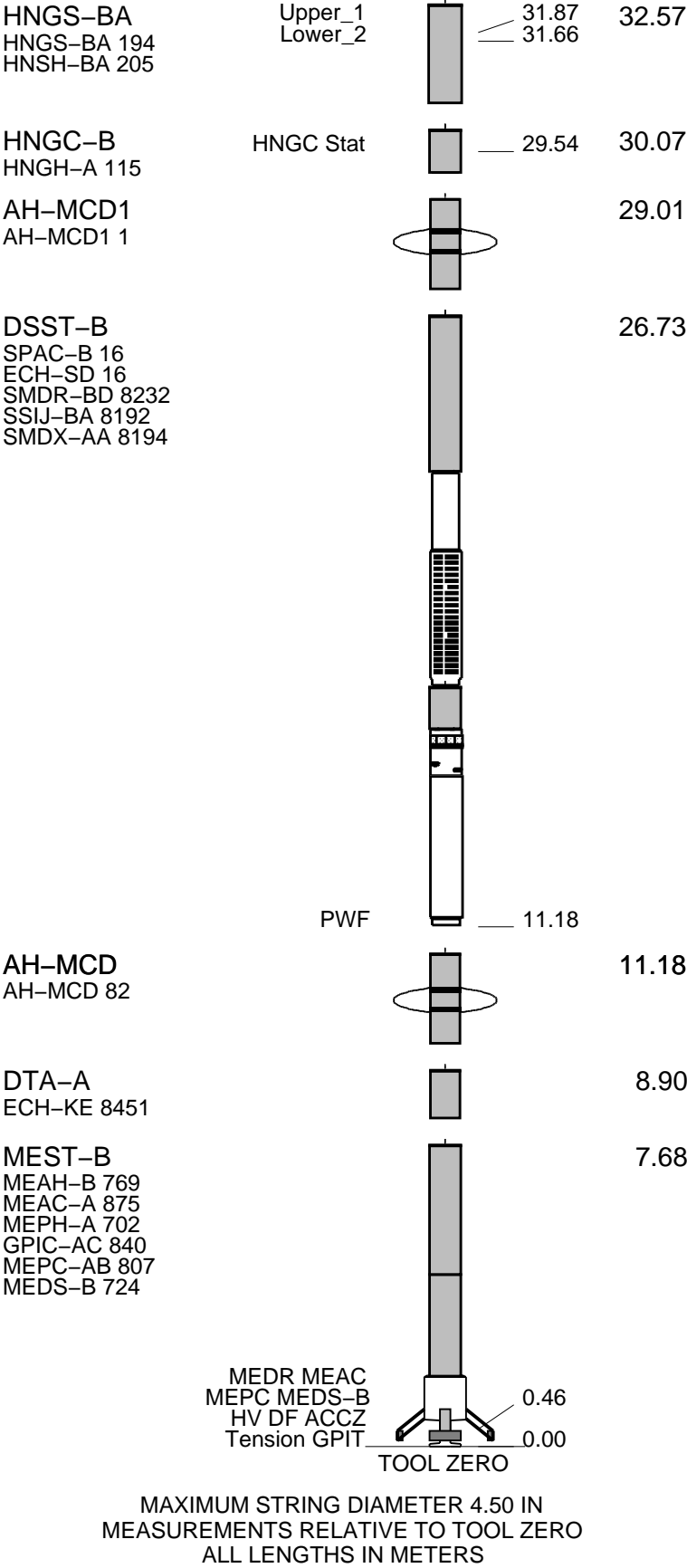
STOP

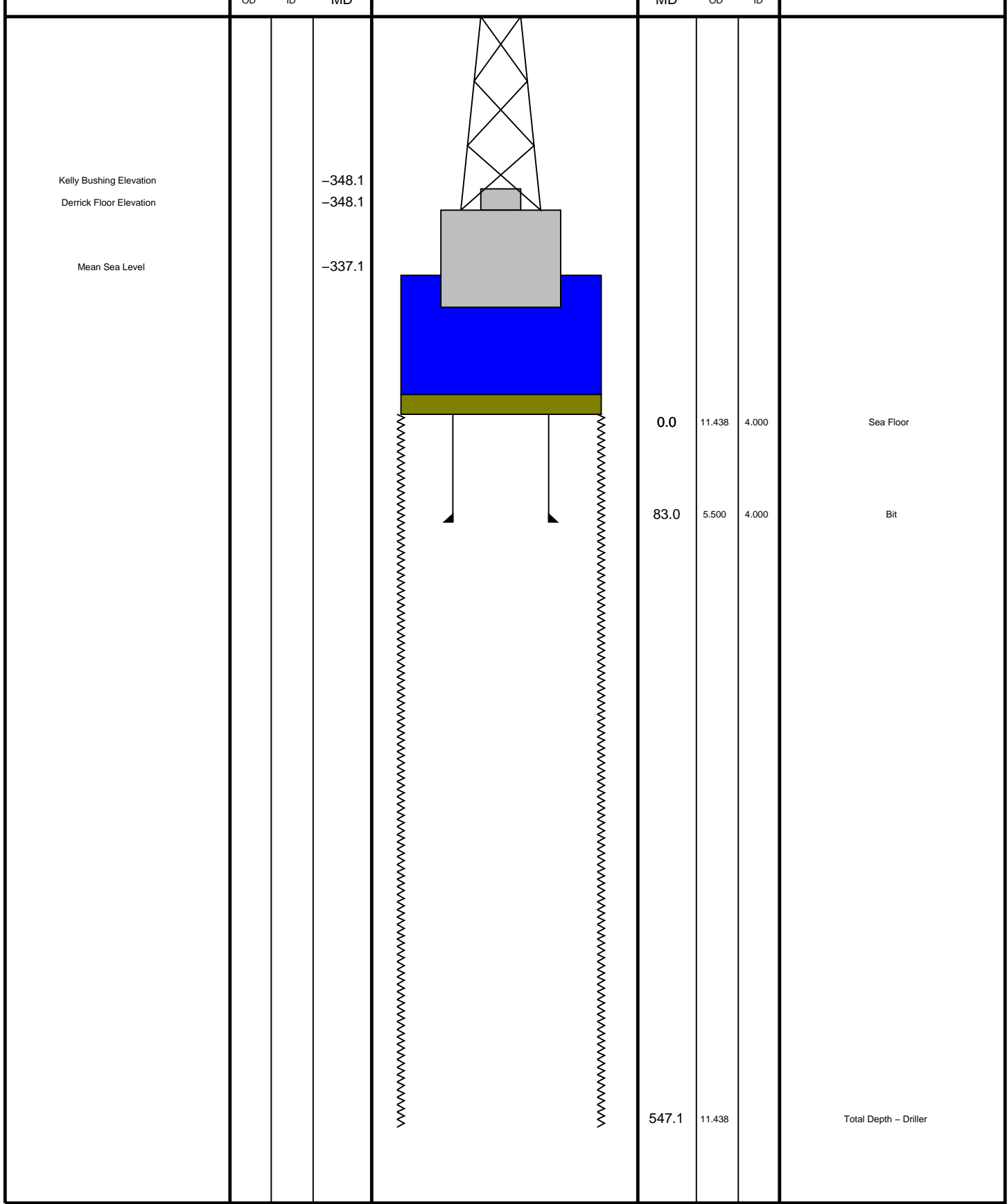
RUN 2

GSR-U 616008  
WITM (EDTS)-A

34.55









Repeat Pass  
1:200 Scale

MAXIS Field Log

Company: Lamont Doherty Earth ObservatoryWell: Expedition 346, Site U1427A

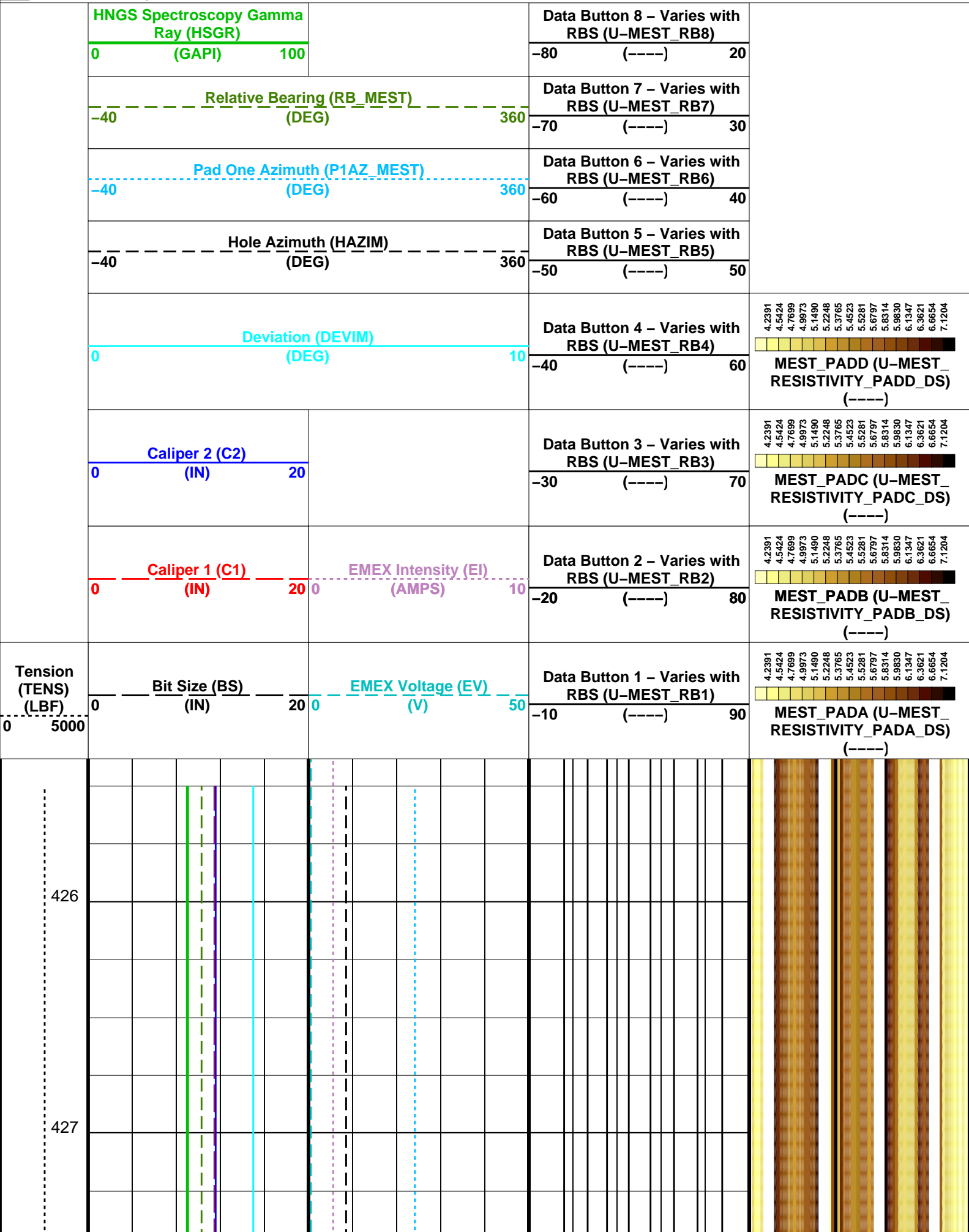
Input DLIS Files						
DEFAULT	FMS_DSI_NGS_013LUP	FN:12	PRODUCER	08-Sep-2013 05:22	884.7 M	764.3 M
Output DLIS Files						
DEFAULT	FMS_DSI_NGS_035PUP	FN:41	PRODUCER	09-Sep-2013 13:26	546.4 M	425.3 M
CLIENT	FMS_DSI_NGS_035PUC	FN:42	CUSTOMER	09-Sep-2013 13:26	546.4 M	425.3 M

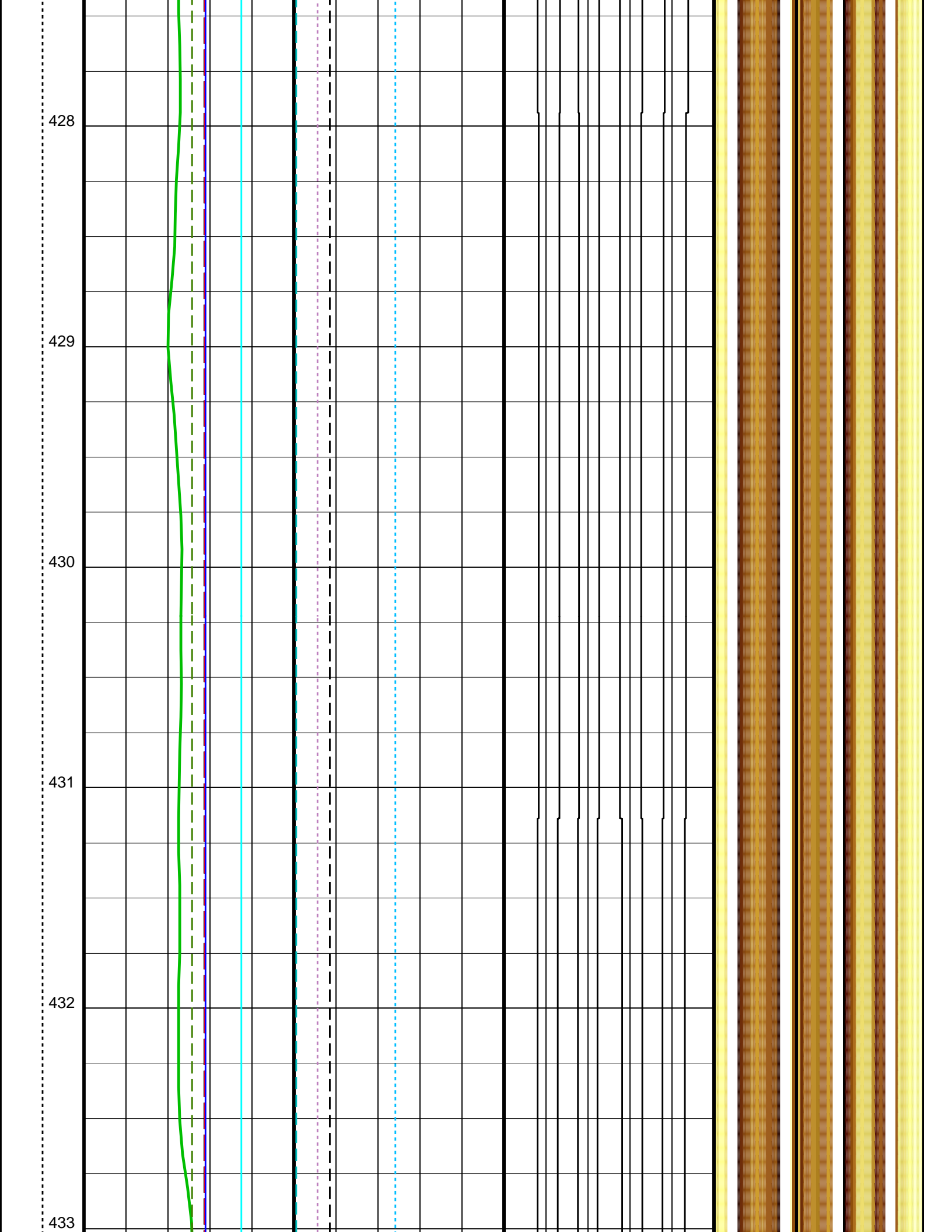
OP System Version: 19C0-187

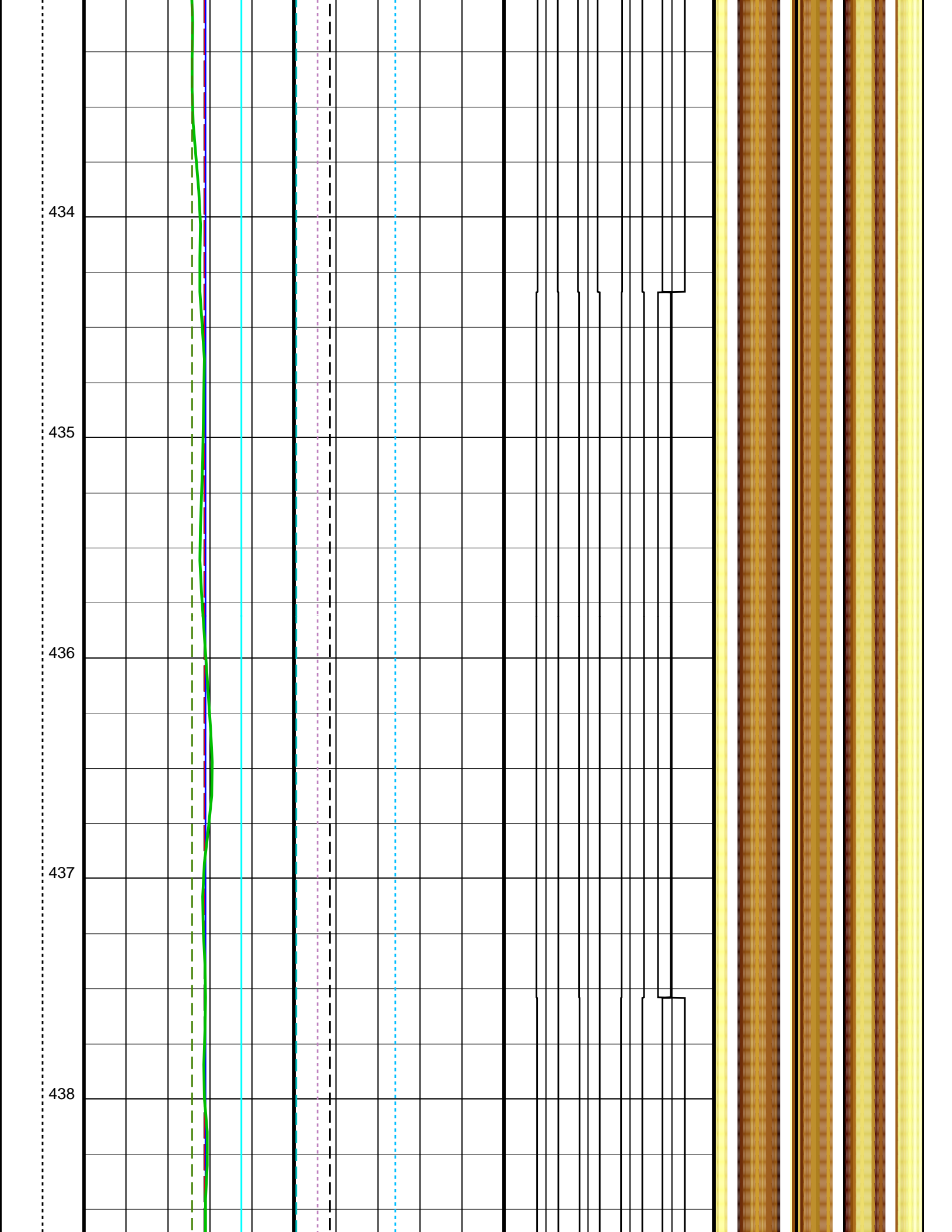
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

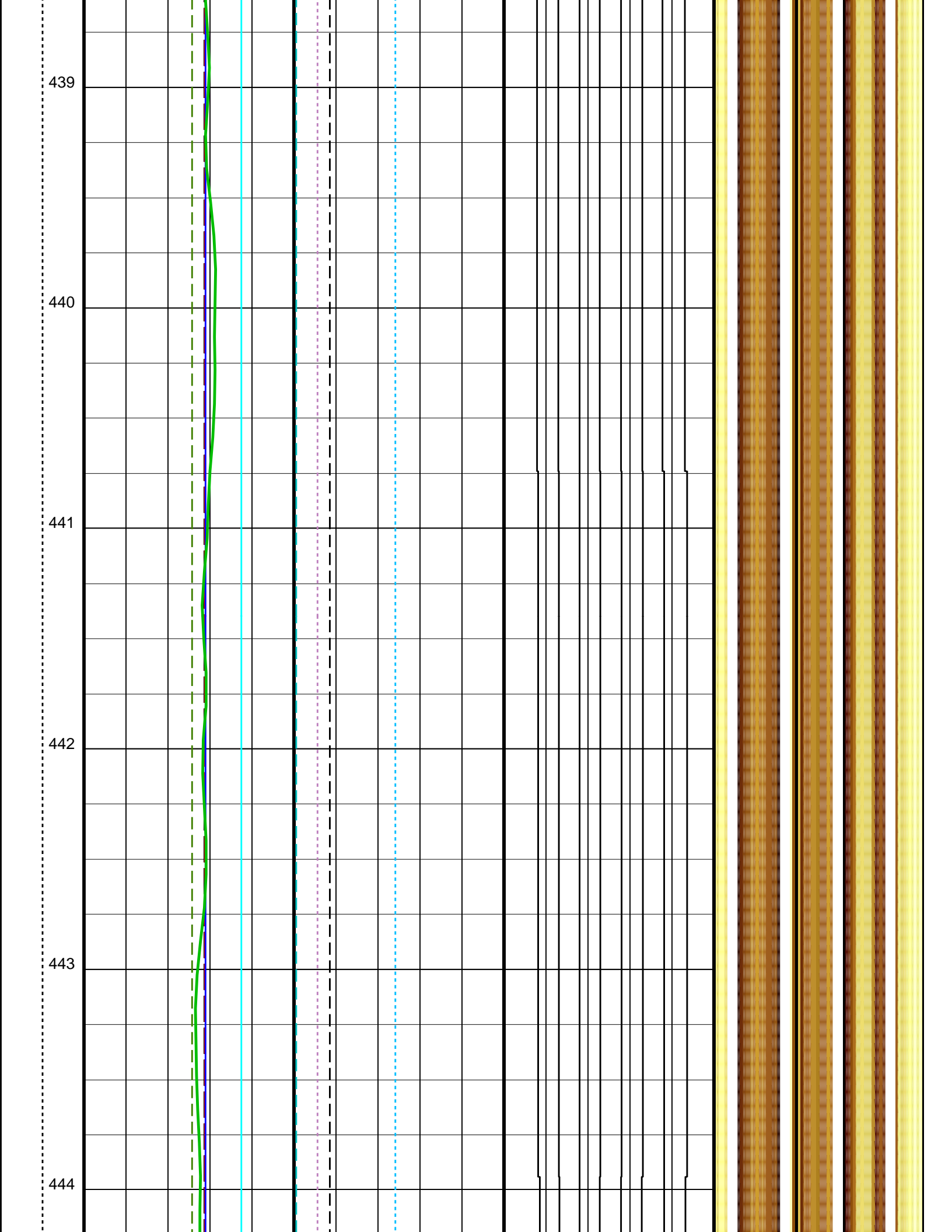
PIP SUMMARY

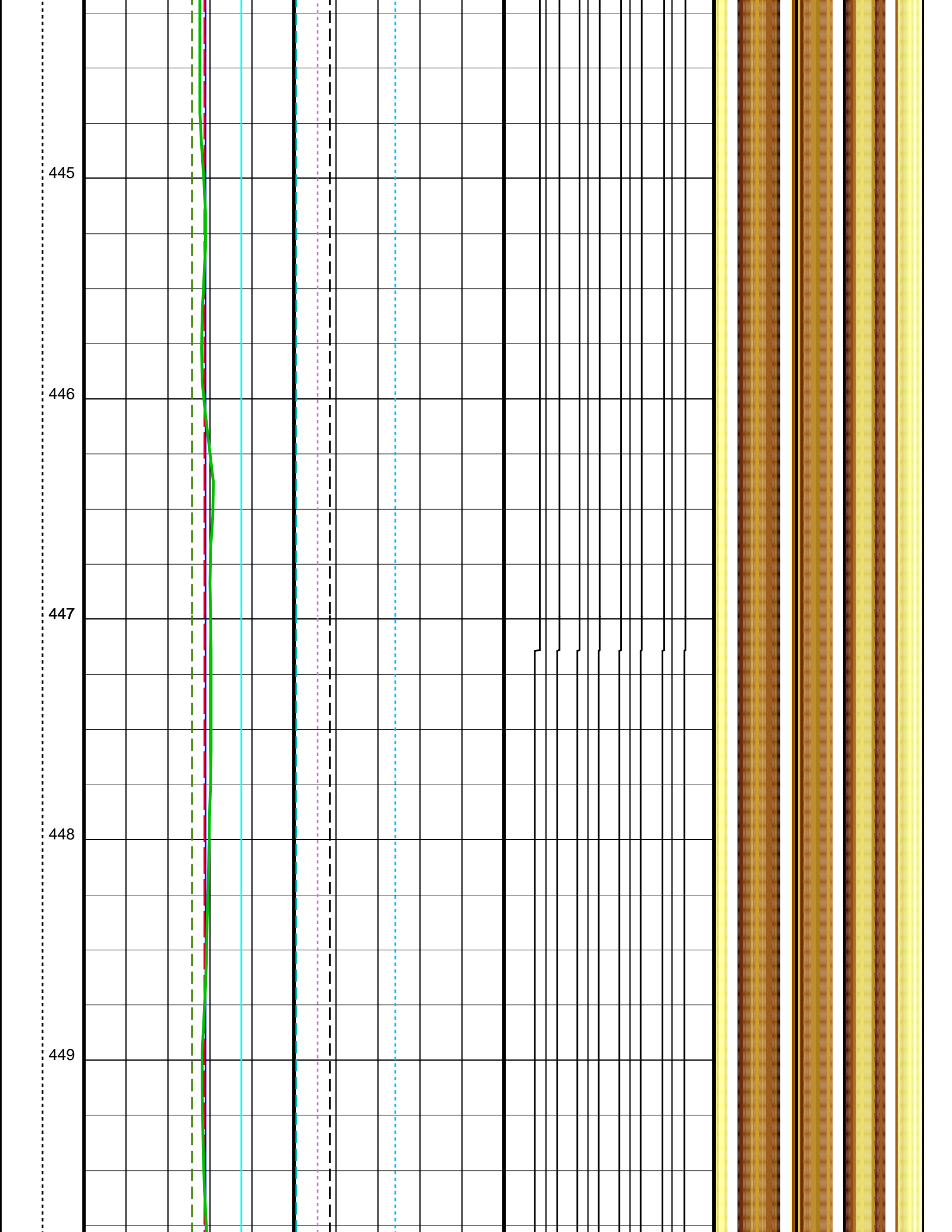
Time Mark Every 60 S



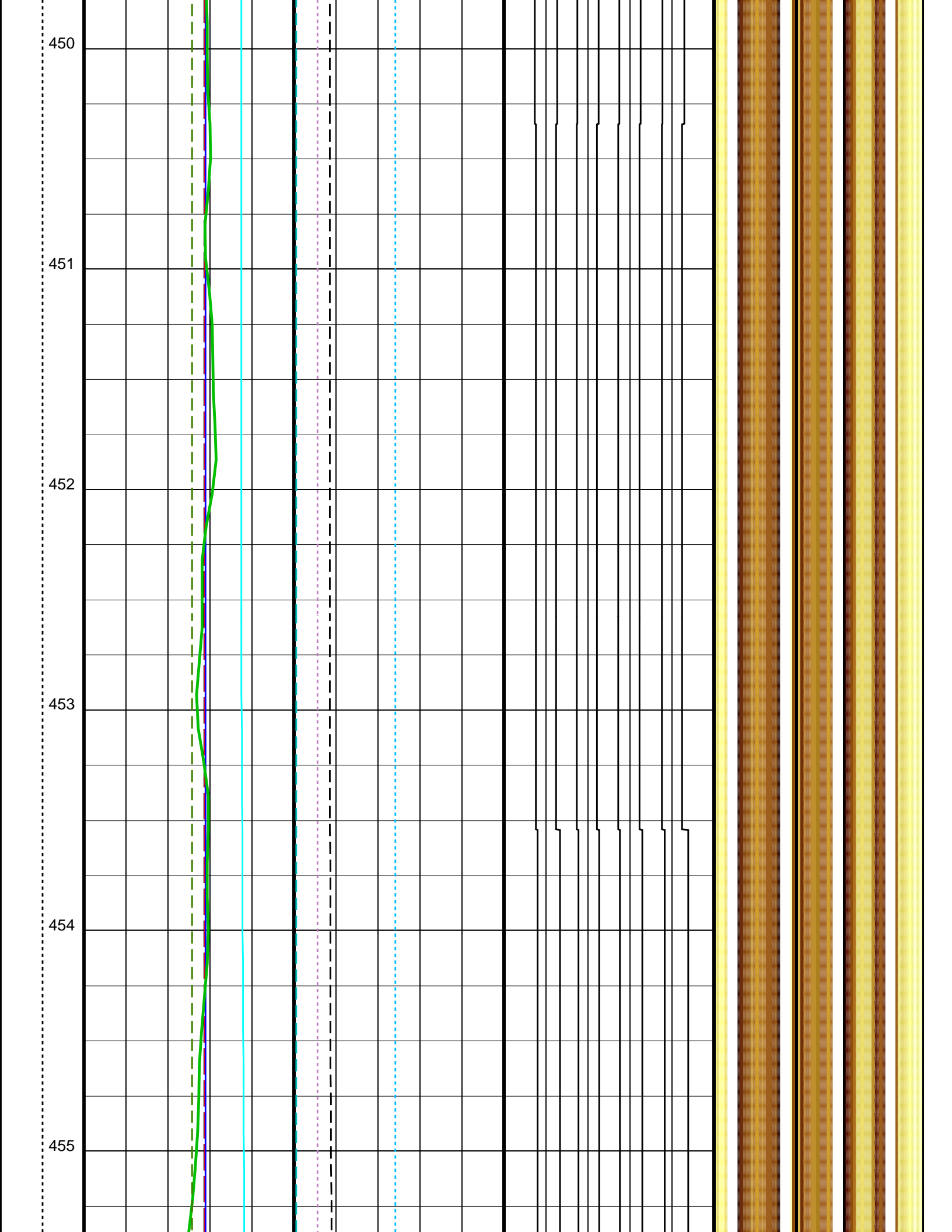


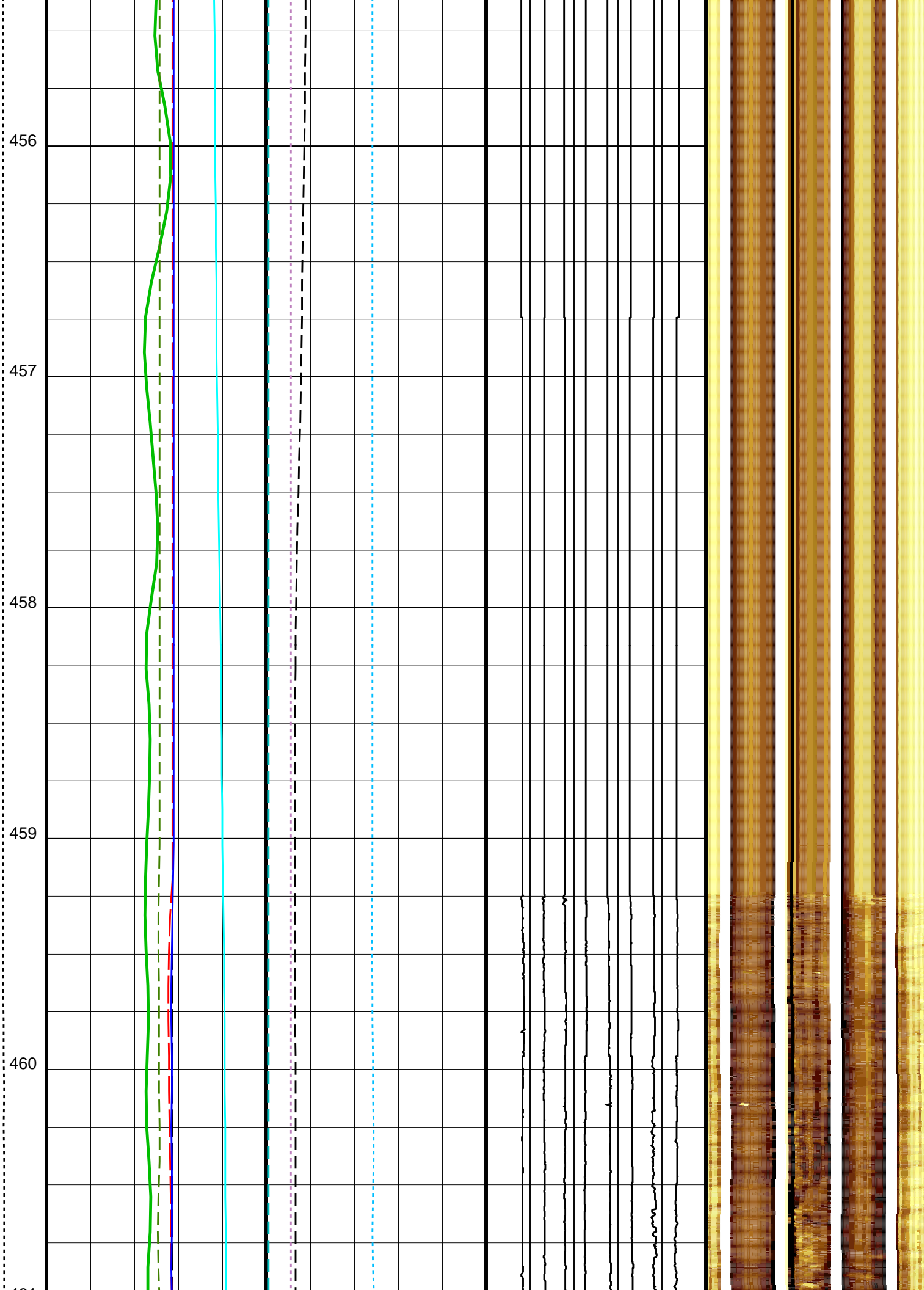


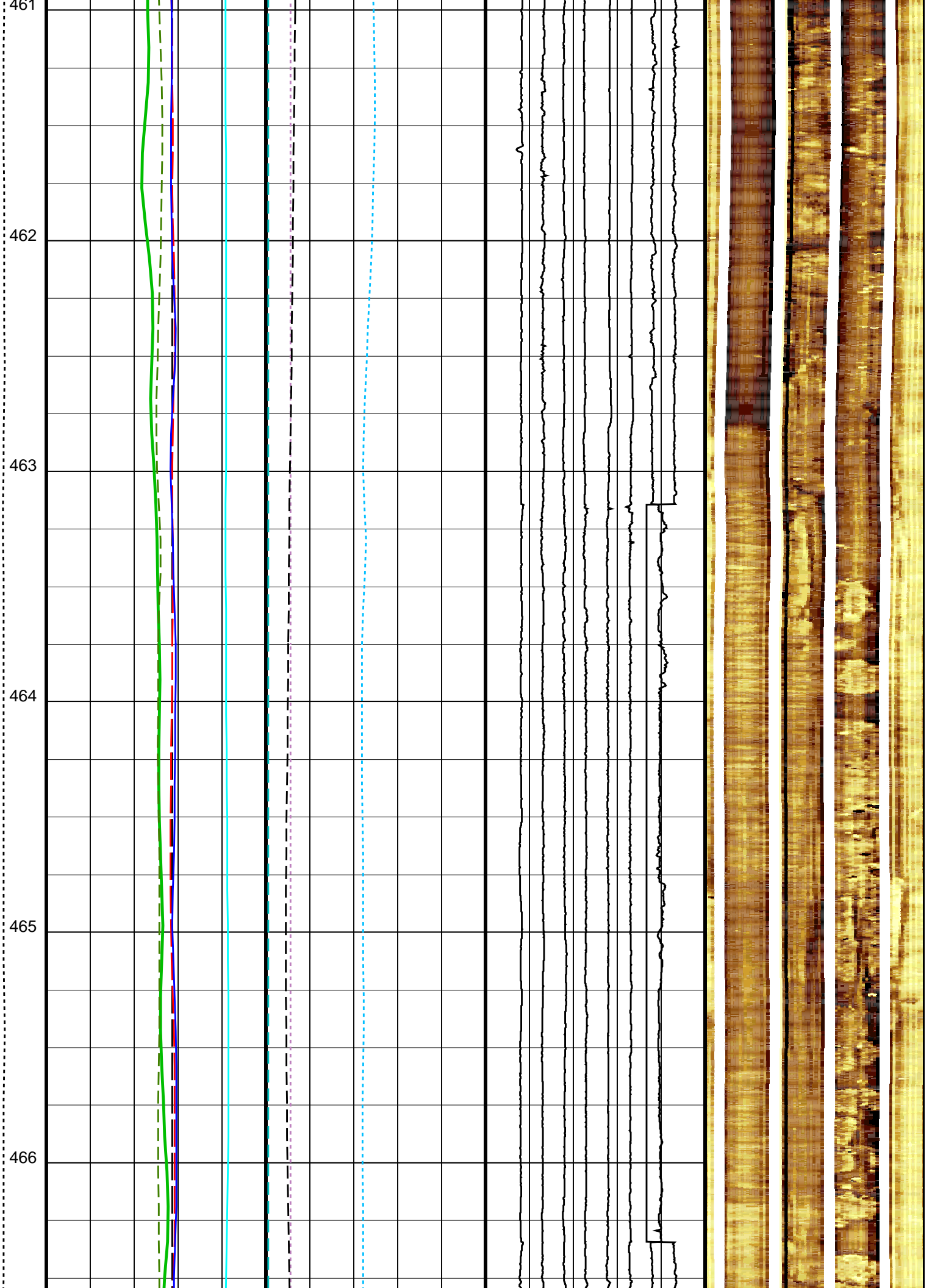












467

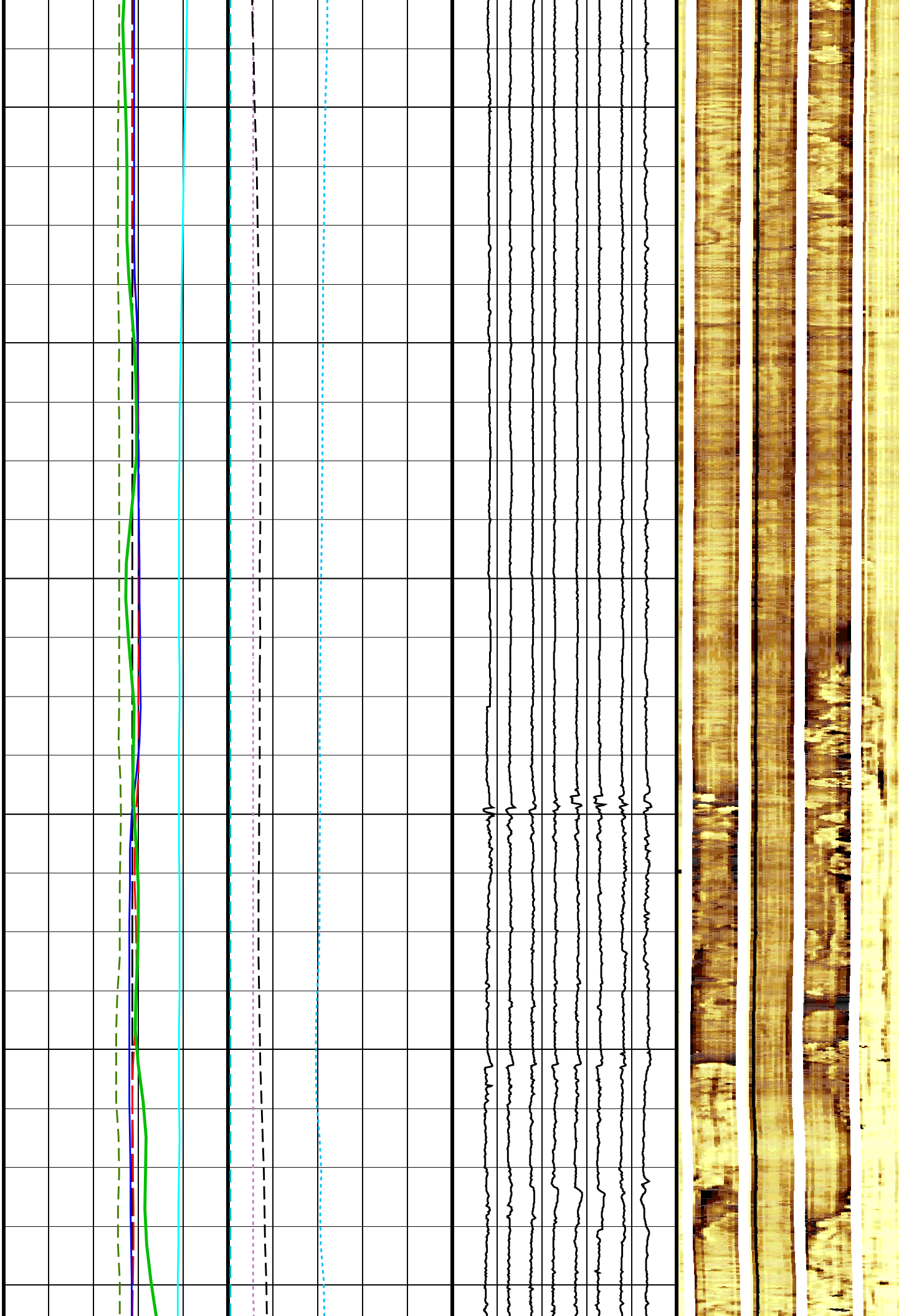
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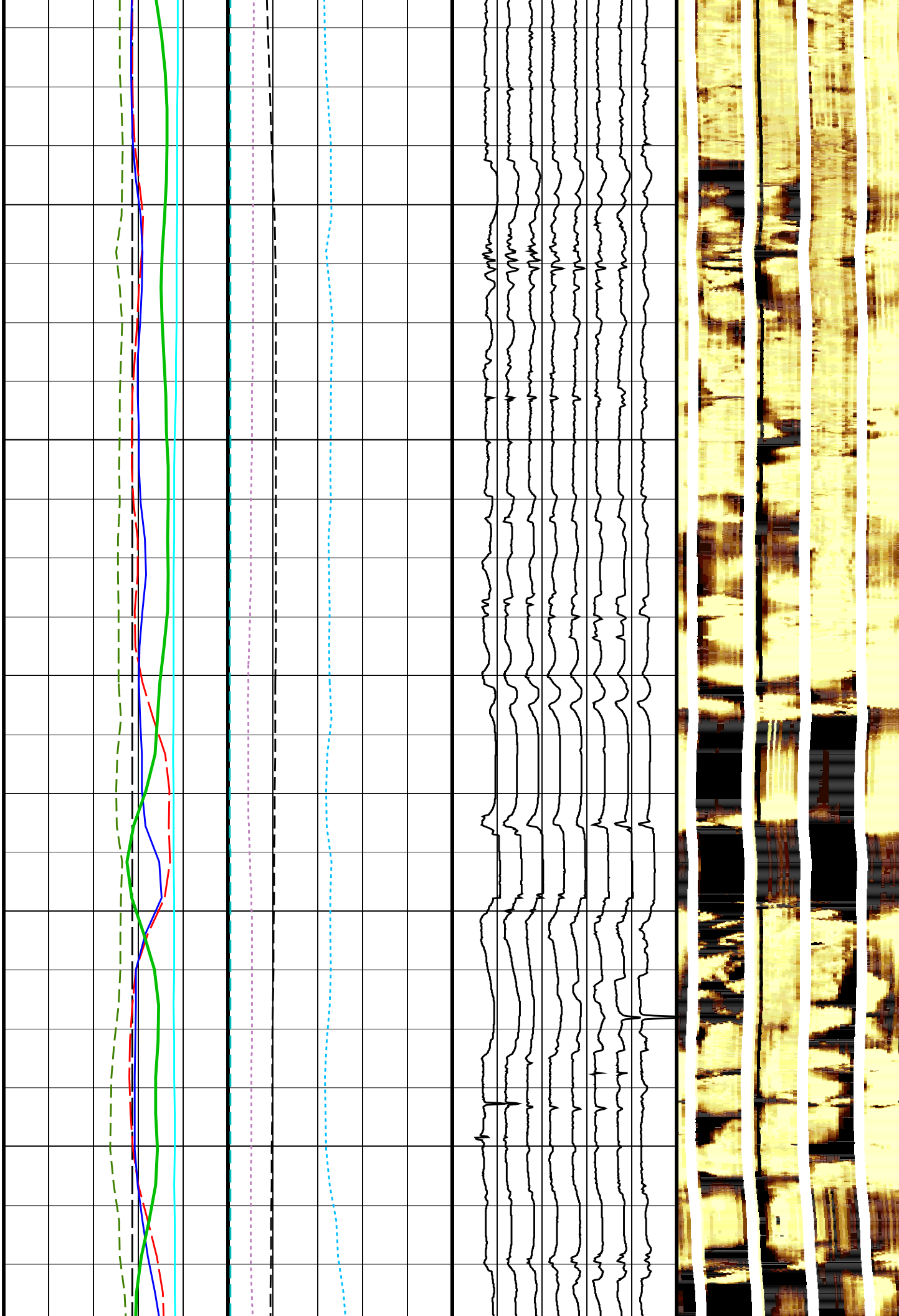
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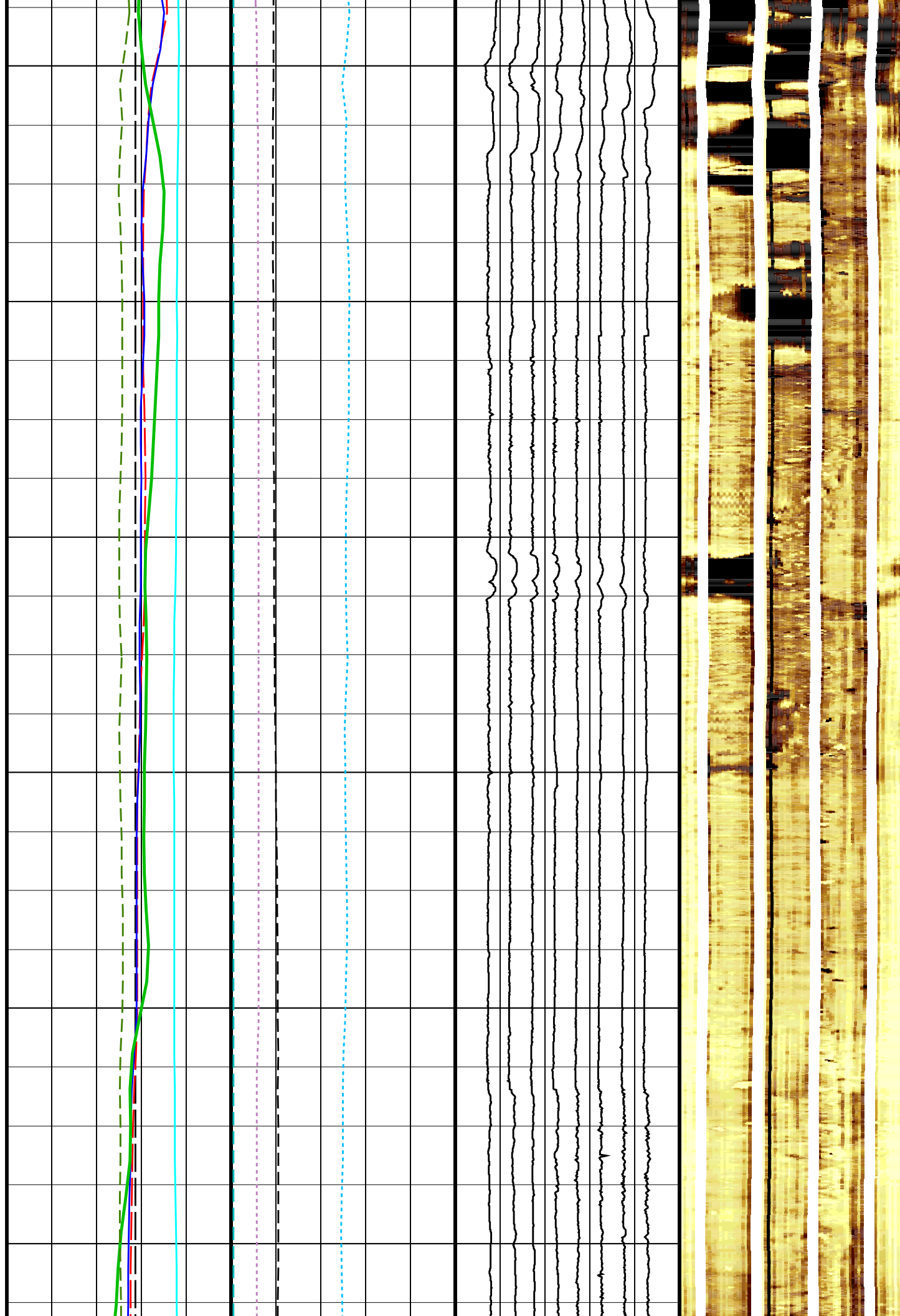
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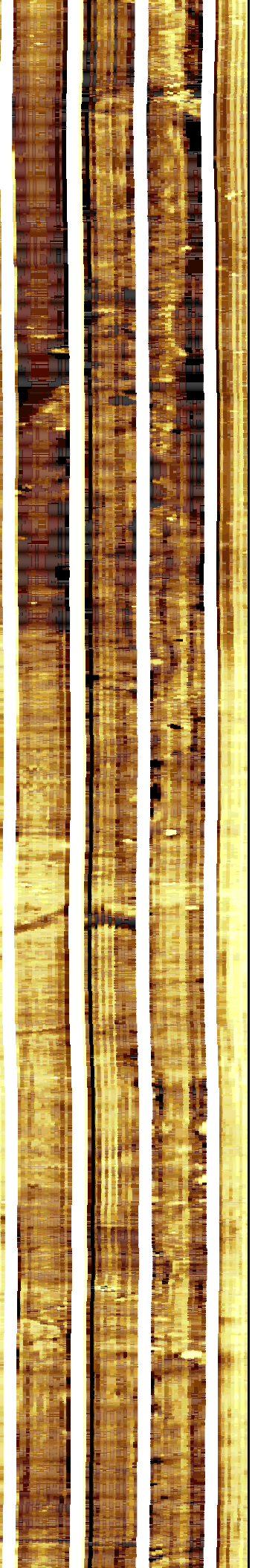
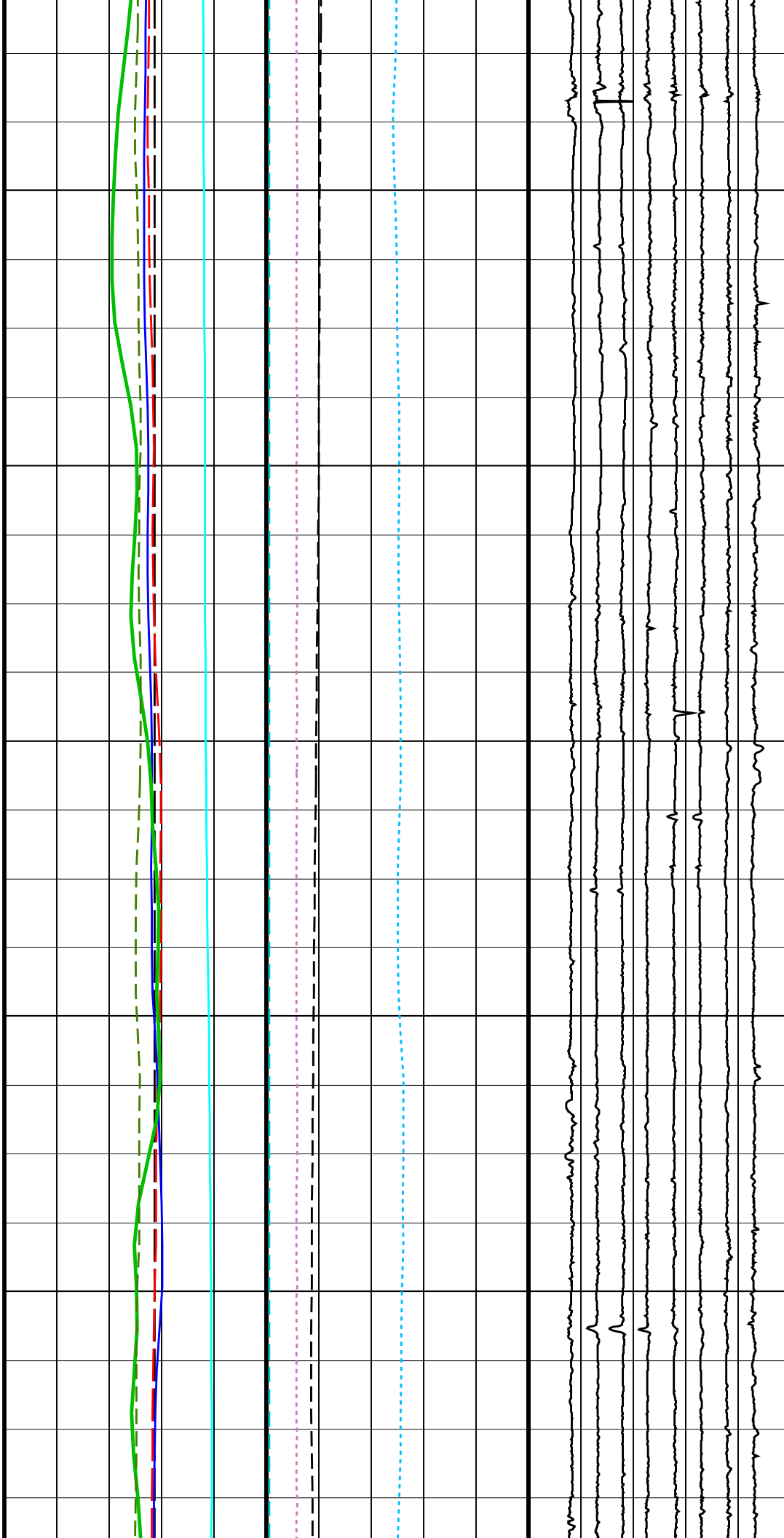
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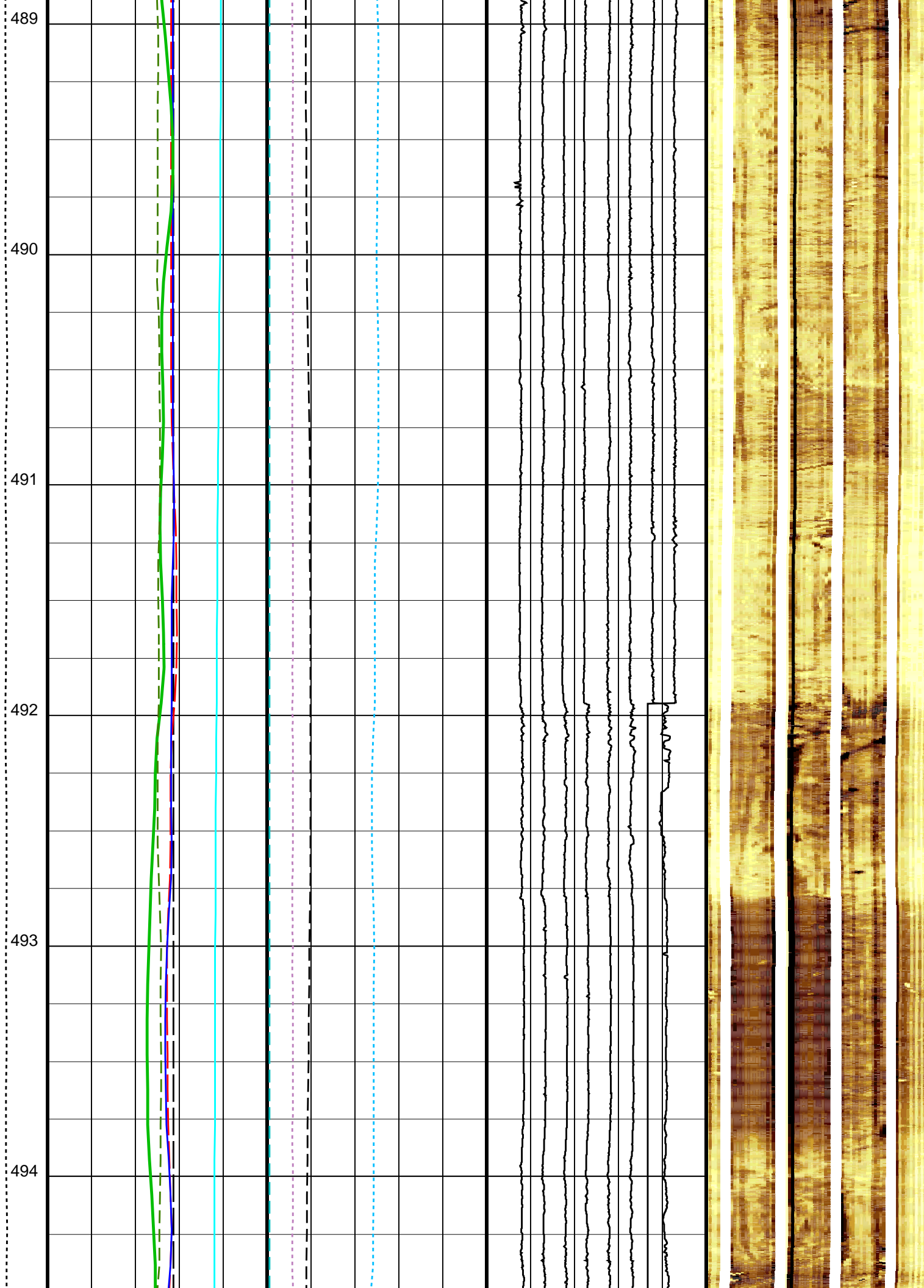
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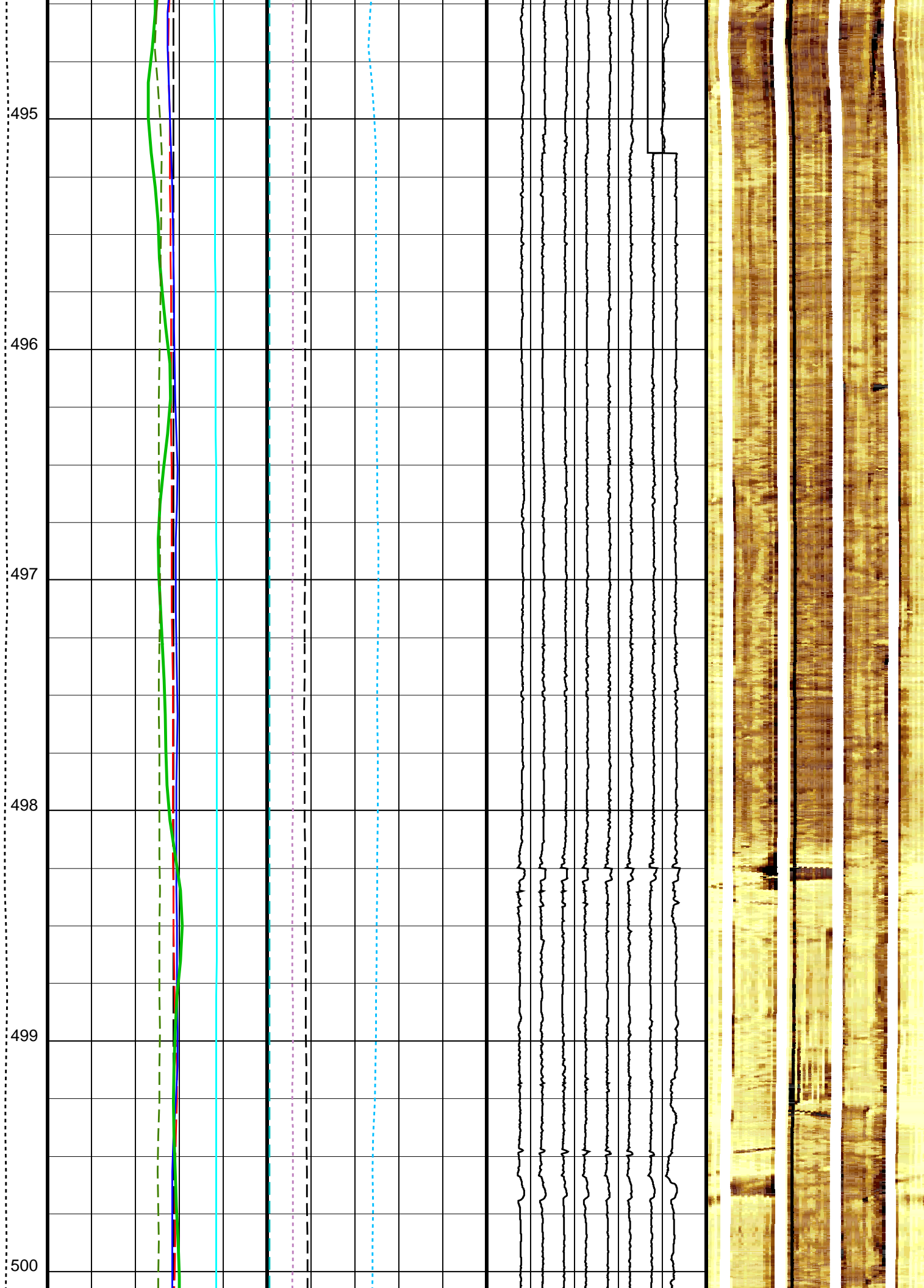
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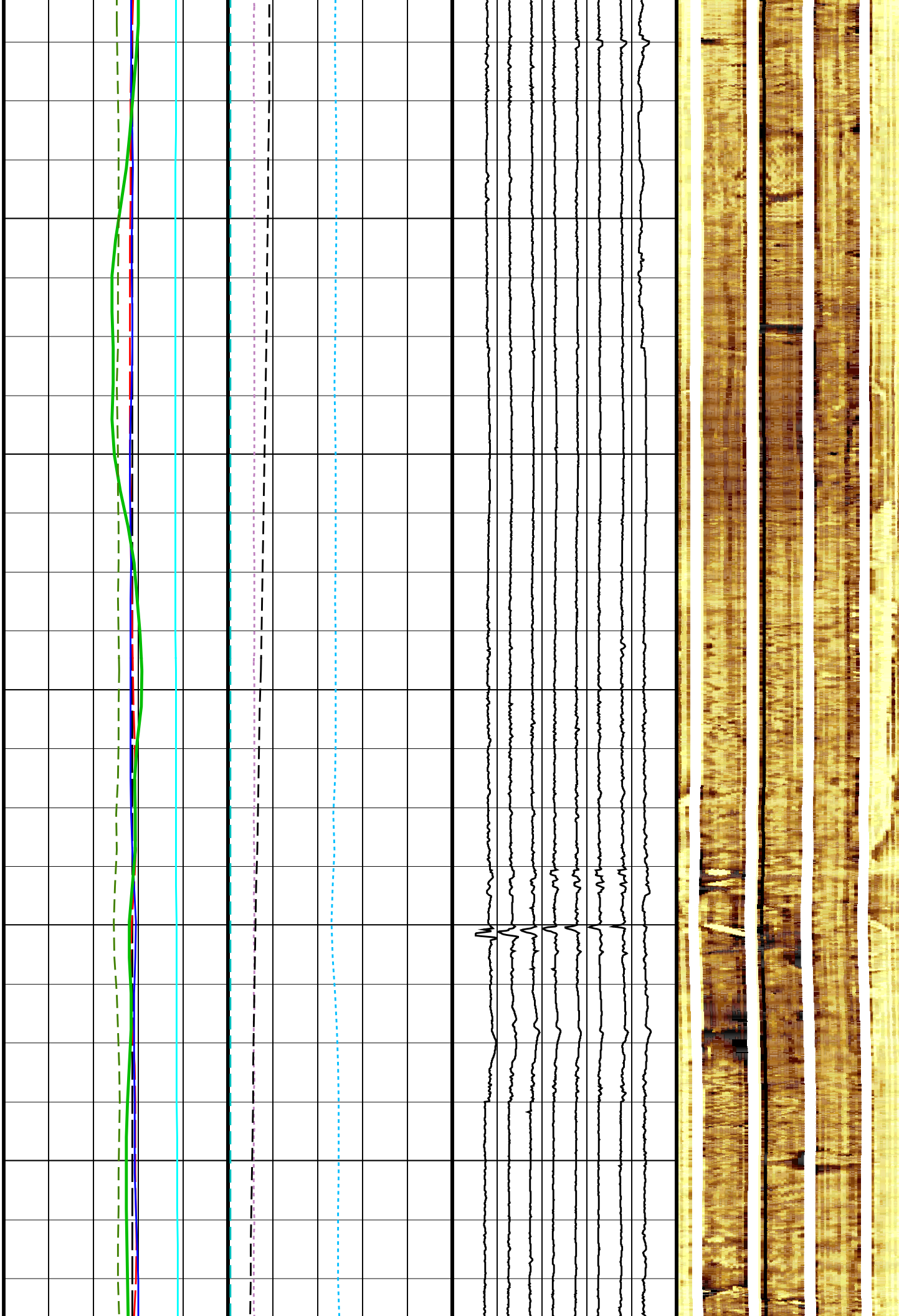
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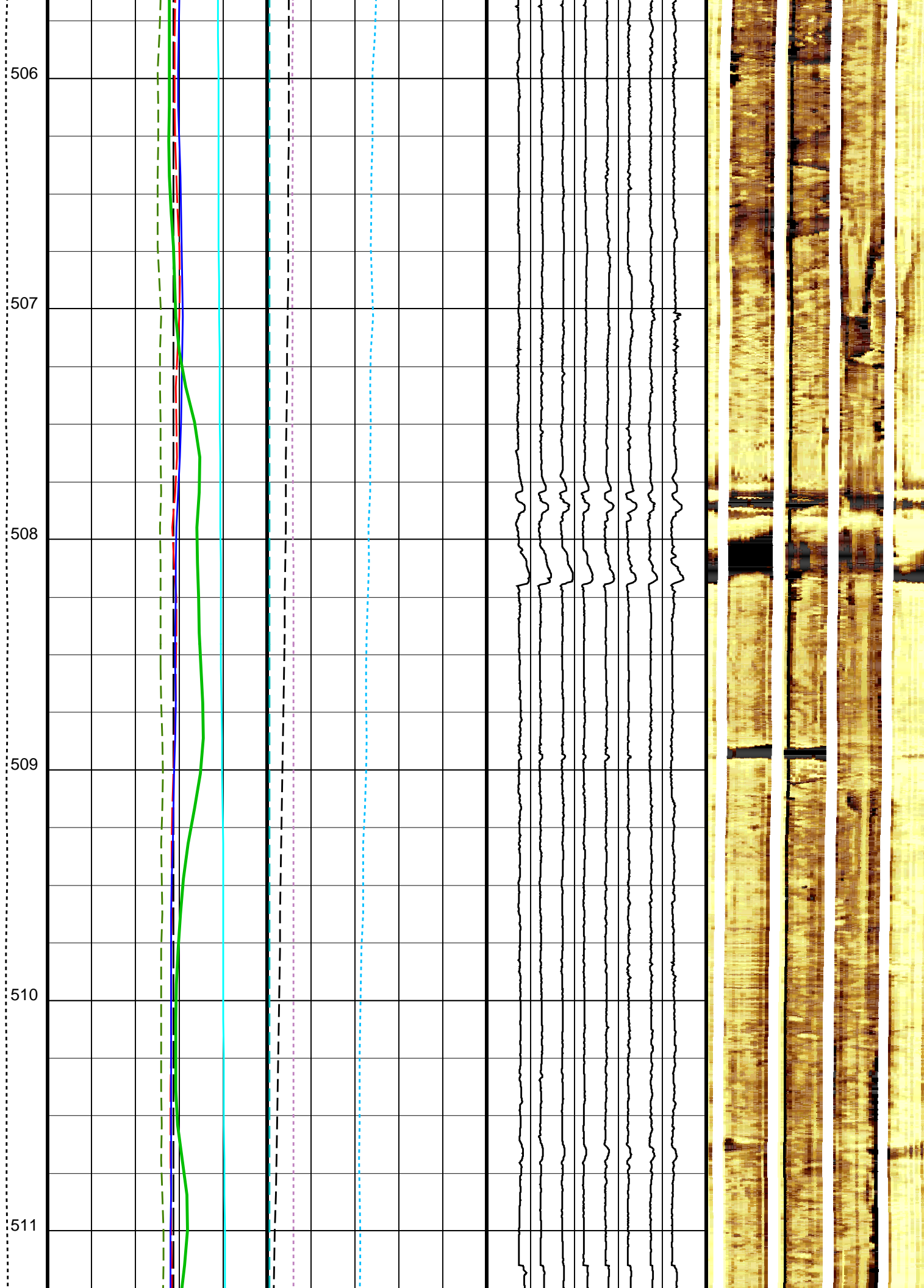
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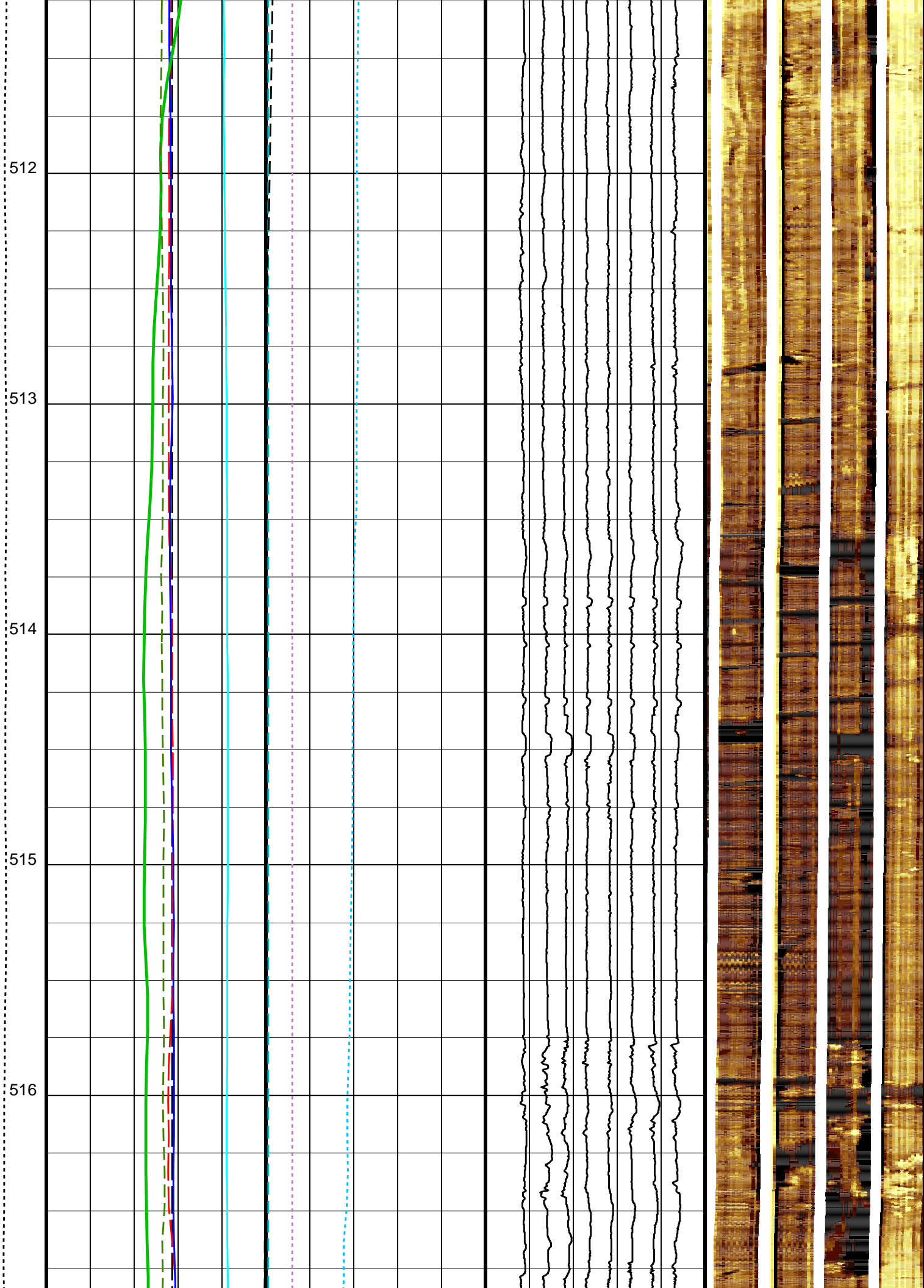
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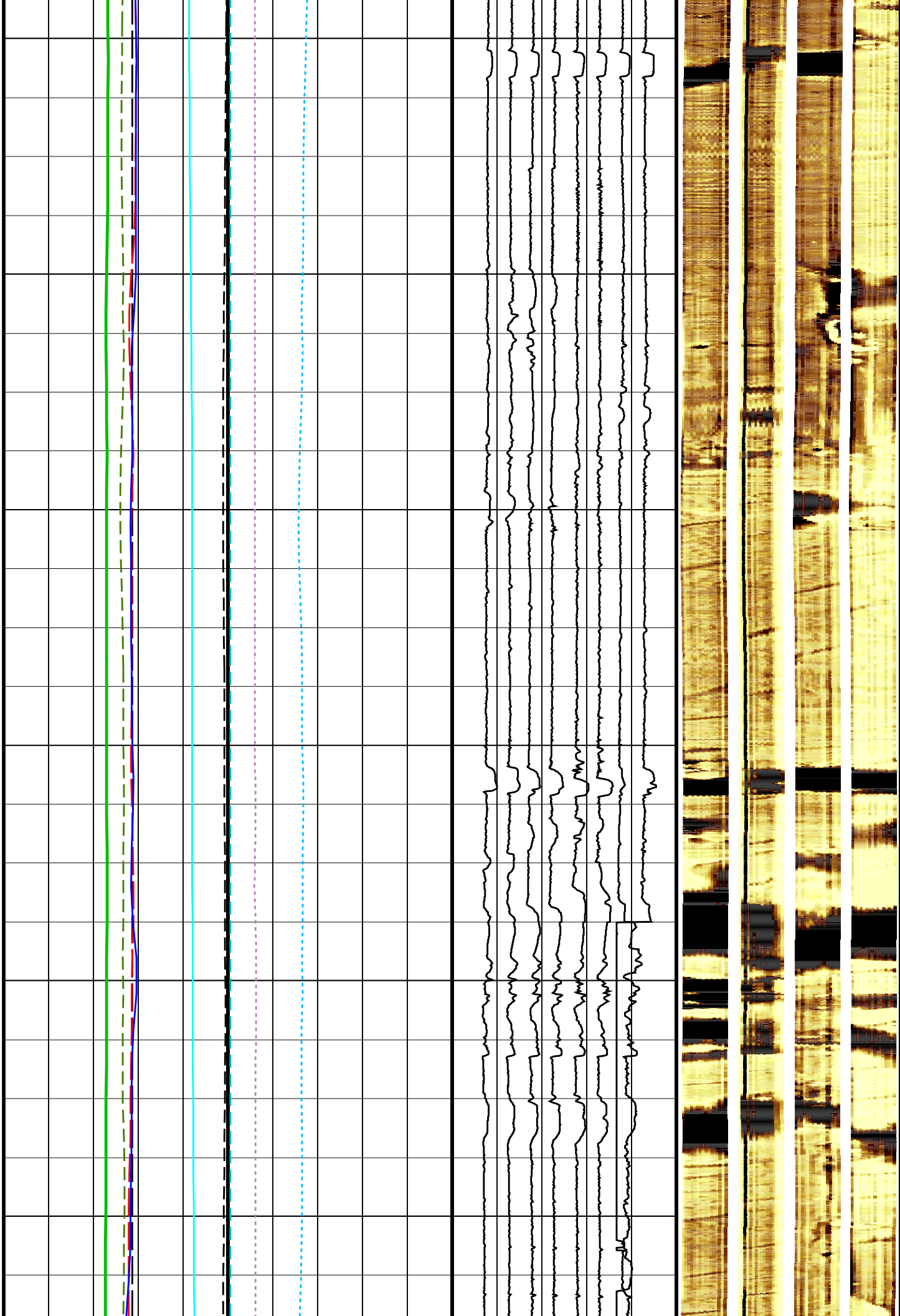








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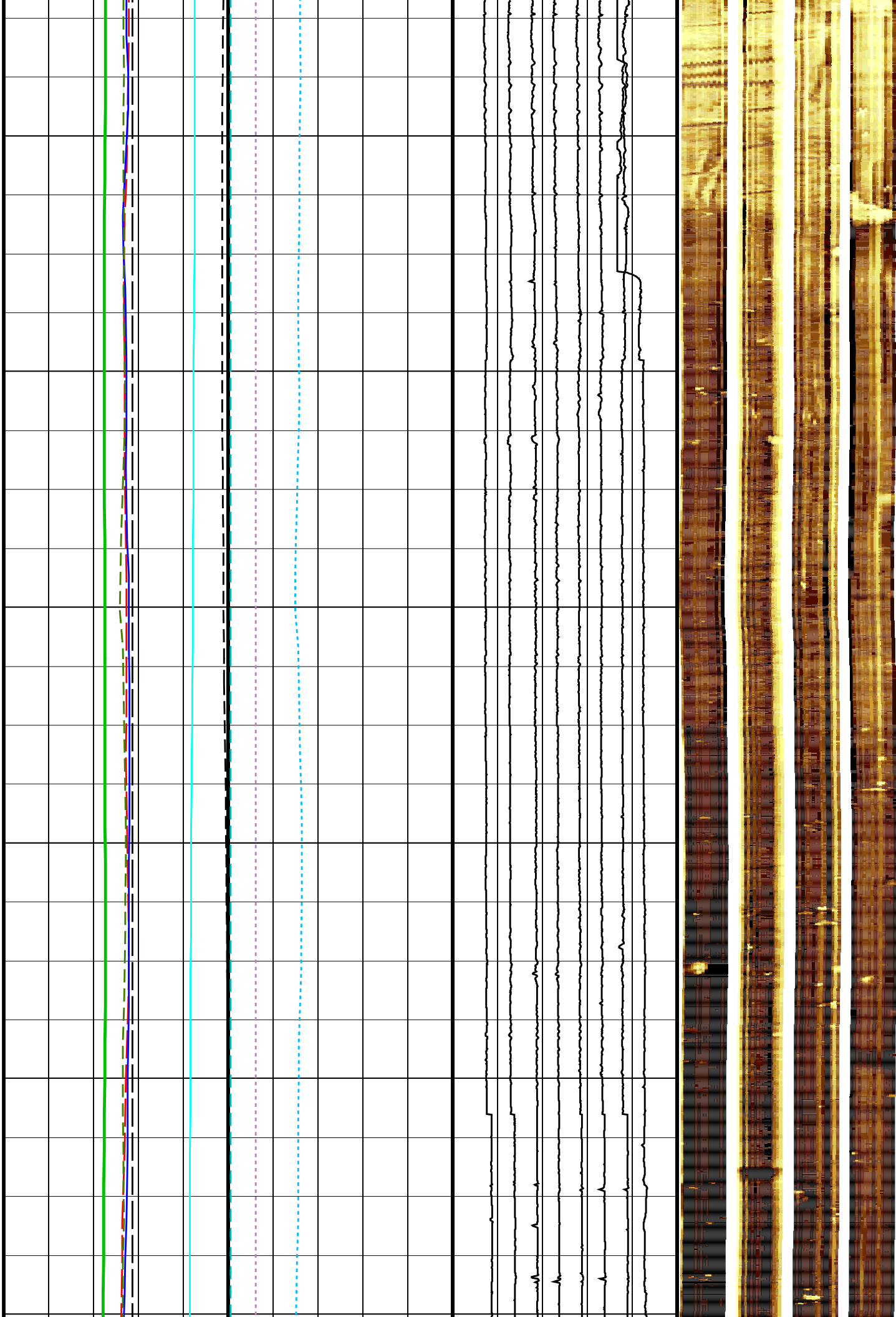
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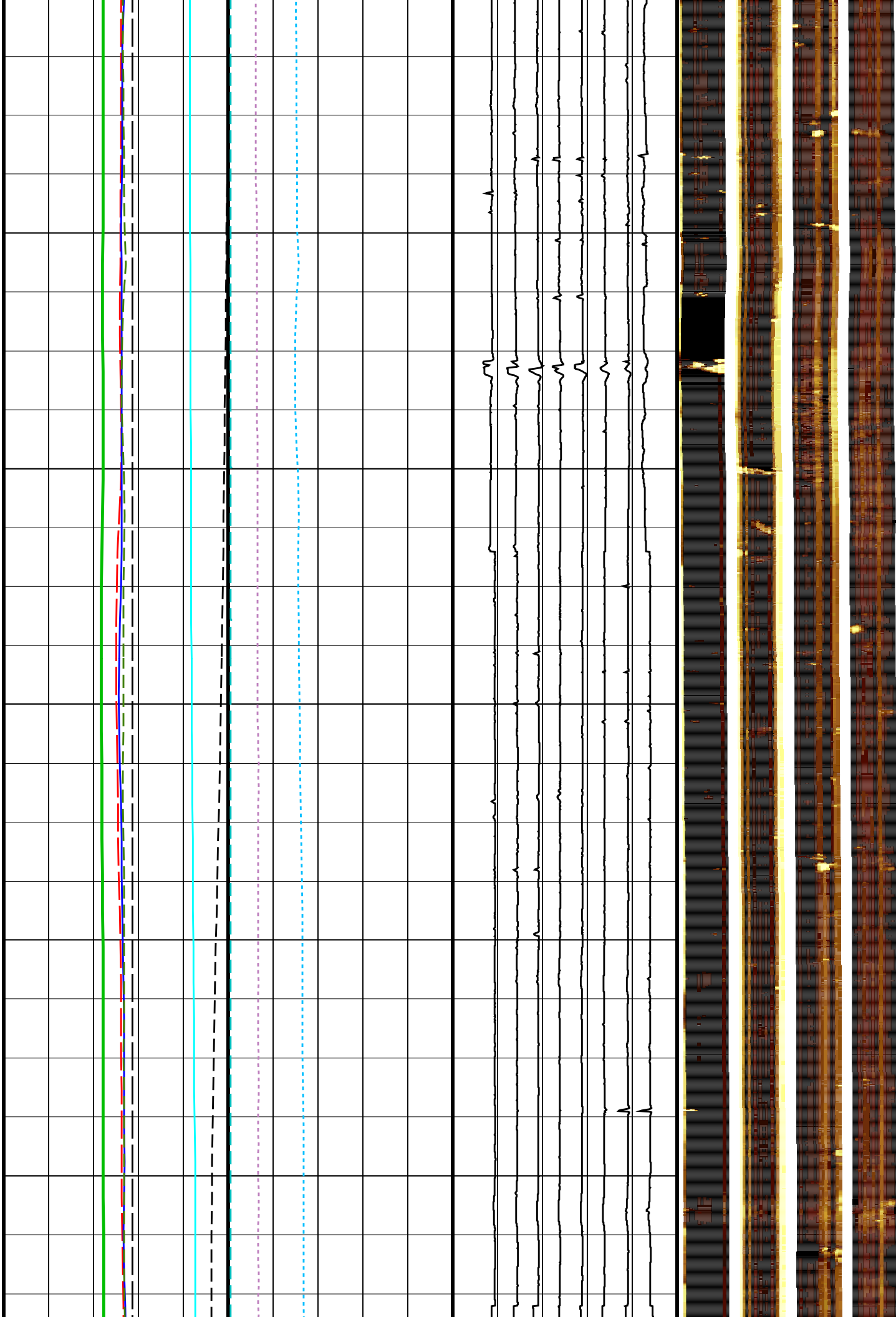
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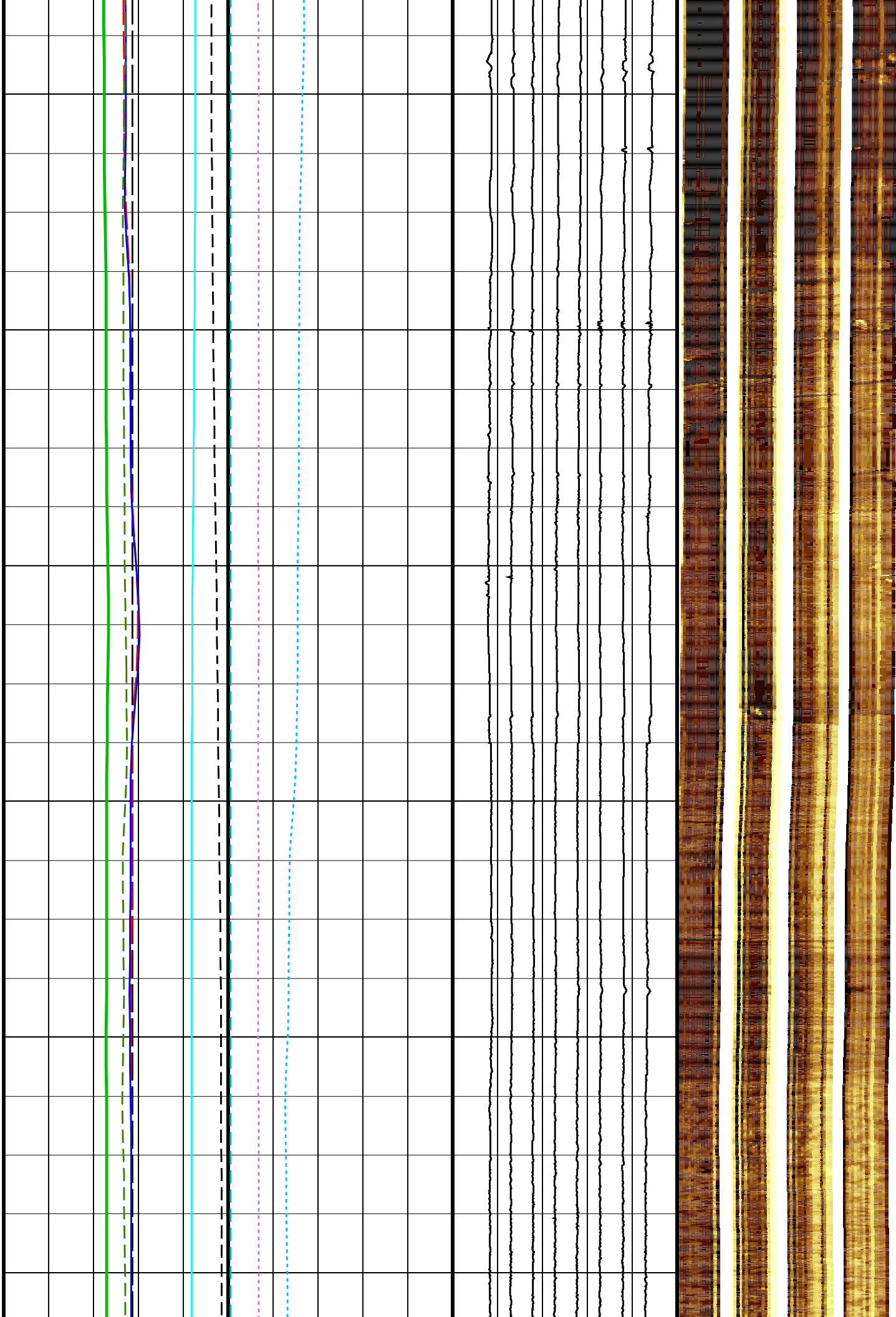
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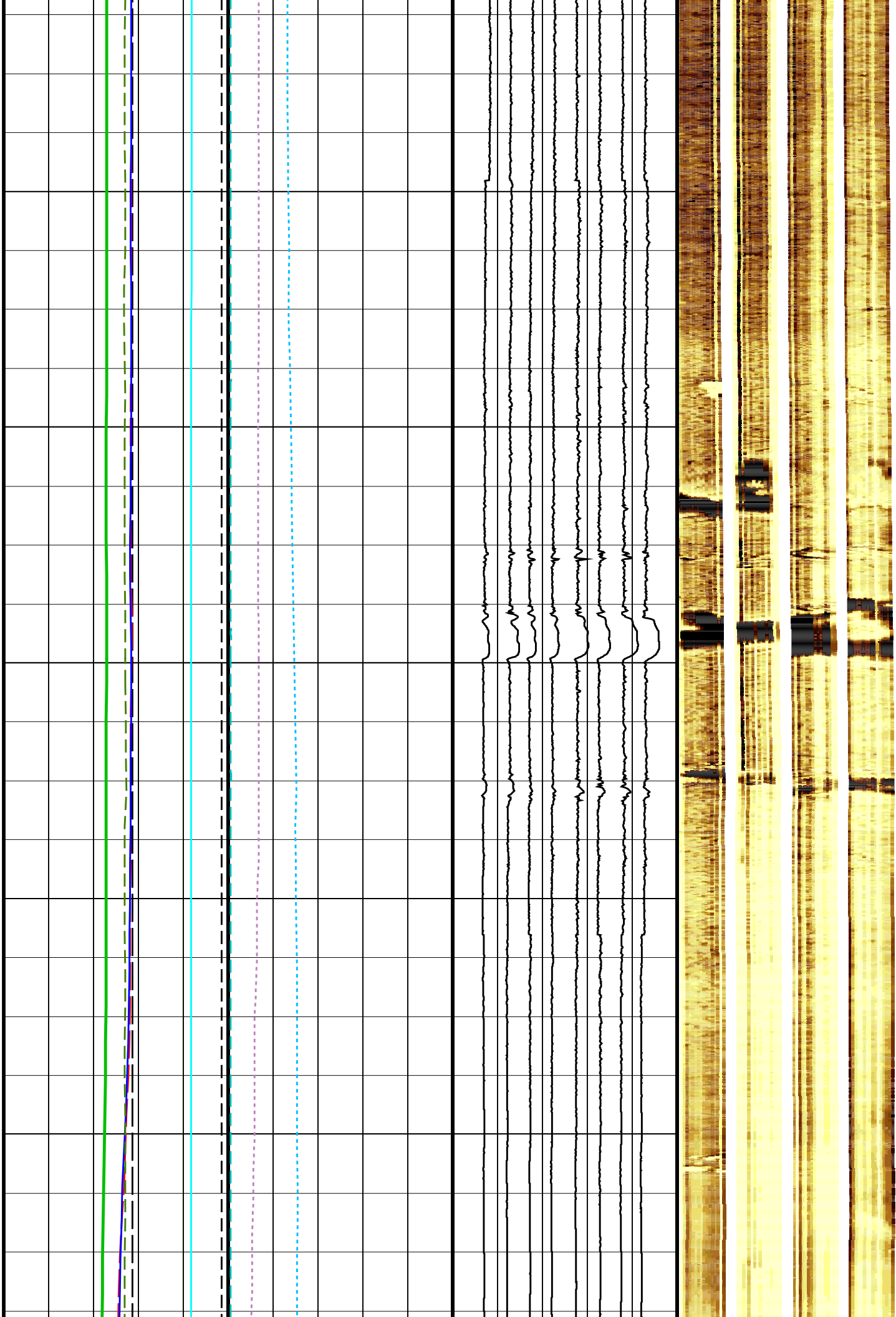
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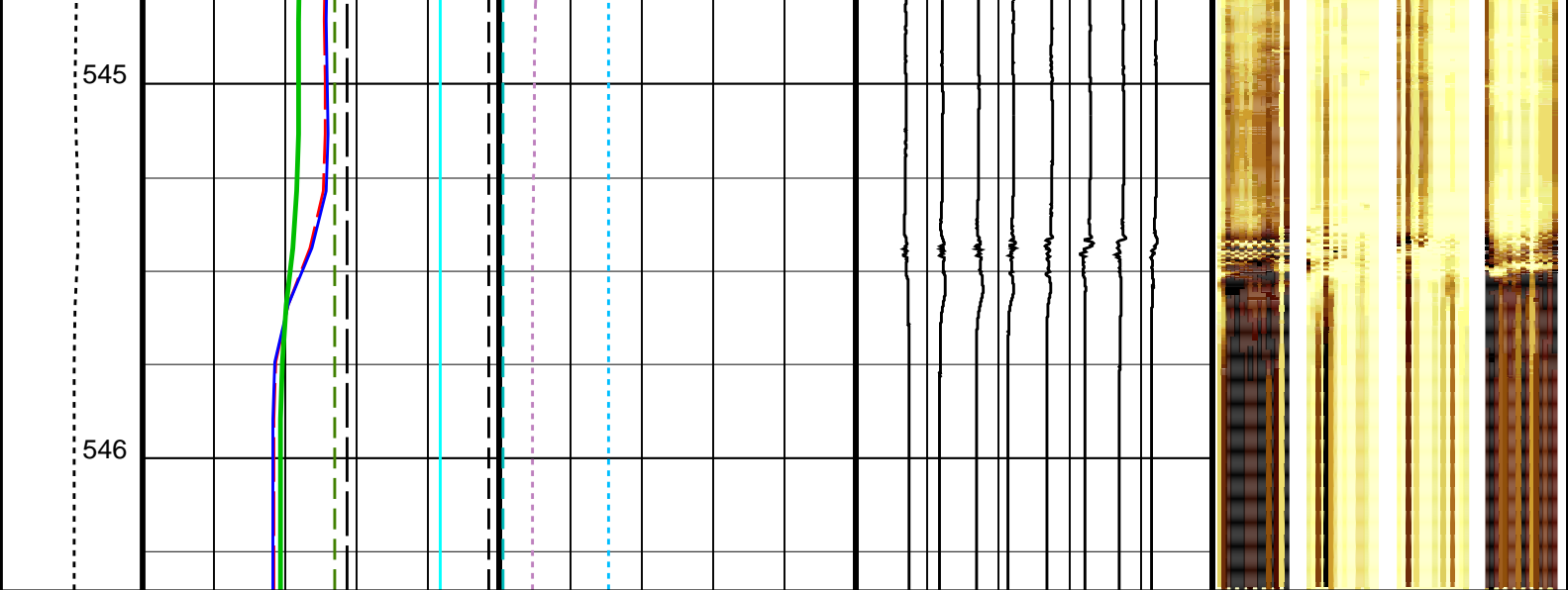
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<div>Tension (TENS) (LBF)</div> <div>05000</div>	<div>Bit Size (BS)</div> <div>(IN)</div> <div>020</div>		<div>EMEX Voltage (EV)</div> <div>(V)</div> <div>050</div>		<div>Data Button 1 – Varies with RBS (U-MEST_RB1)</div> <div>(----)</div> <div>-1090</div>		<div>4.2391 4.5424 4.7699 4.9973 5.1490 5.2248 5.3765 5.4523 5.5281 5.6797 5.8314 5.9830 6.1347 6.3621 6.6654 7.1204</div> <div>MEST_PADA (U-MEST_RESISTIVITY_PADA_DS)</div> <div>(----)</div>	
	<div>Caliper 1 (C1)</div> <div>(IN)</div> <div>020</div>		<div>EMEX Intensity (EI)</div> <div>(AMPS)</div> <div>010</div>		<div>Data Button 2 – Varies with RBS (U-MEST_RB2)</div> <div>(----)</div> <div>-2080</div>		<div>4.2391 4.5424 4.7699 4.9973 5.1490 5.2248 5.3765 5.4523 5.5281 5.6797 5.8314 5.9830 6.1347 6.3621 6.6654 7.1204</div> <div>MEST_PADB (U-MEST_RESISTIVITY_PADB_DS)</div> <div>(----)</div>	
	<div>Caliper 2 (C2)</div> <div>(IN)</div> <div>020</div>				<div>Data Button 3 – Varies with RBS (U-MEST_RB3)</div> <div>(----)</div> <div>-3070</div>		<div>4.2391 4.5424 4.7699 4.9973 5.1490 5.2248 5.3765 5.4523 5.5281 5.6797 5.8314 5.9830 6.1347 6.3621 6.6654 7.1204</div> <div>MEST_PADC (U-MEST_RESISTIVITY_PADC_DS)</div> <div>(----)</div>	
	<div>Deviation (DEVIM)</div> <div>(DEG)</div> <div>010</div>				<div>Data Button 4 – Varies with RBS (U-MEST_RB4)</div> <div>(----)</div> <div>-4060</div>		<div>4.2391 4.5424 4.7699 4.9973 5.1490 5.2248 5.3765 5.4523 5.5281 5.6797 5.8314 5.9830 6.1347 6.3621 6.6654 7.1204</div> <div>MEST_PADD (U-MEST_RESISTIVITY_PADD_DS)</div> <div>(----)</div>	
	<div>Hole Azimuth (HAZIM)</div> <div>(DEG)</div> <div>-40360</div>				<div>Data Button 5 – Varies with RBS (U-MEST_RB5)</div> <div>(----)</div> <div>-5050</div>			
	<div>Pad One Azimuth (P1AZ_MEST)</div> <div>(DEG)</div> <div>-40360</div>				<div>Data Button 6 – Varies with RBS (U-MEST_RB6)</div> <div>(----)</div> <div>-6040</div>			
	<div>Relative Bearing (RB_MEST)</div> <div>(DEG)</div> <div>-40360</div>				<div>Data Button 7 – Varies with RBS (U-MEST_RB7)</div> <div>(----)</div> <div>-7030</div>			
	<div>HNGS Spectroscopy Gamma Ray (HSGR)</div> <div>(GAPI)</div> <div>0100</div>				<div>Data Button 8 – Varies with RBS (U-MEST_RB8)</div> <div>(----)</div> <div>-8020</div>			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
AFMO	MEST-B: Micro Electrical Scanner – B (Slim)	
ICMO	Accelerometer Filtering Mode	MOVING AVERAGE
	Inclinometry Computation Mode	AUTOMATIC SELECTION

ICMO	Incinerometry Computation Mode	AUTOMATIC_SELECTION	15.1665	DEG
MDEC	Magnetic Field Declination	SCAN1800		
MLM	MEST Logging Mode	AUTO		
RBS	Resistivity Button Selection	GAIN_2		
XGAI	Gain	OFFSET_0		
XOFF	Offset			
DSST-B: Dipole Shear Imager - B				
BHS	Borehole Status	OPEN		
GCSE	Generalized Caliper Selection	C1		
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		
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	C1		
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW		
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW		
HABK	HNGS Borehole Potassium Running Average	-0.0158577		
HALF	HNGS Alpha Filter Length	60	IN	
HCRB	HNGS Apply Borehole Potassium Correction	NONE		
HMWM	Mud Weighting Material	BARI		
HNPE	HNGS Processing Enable	YES		
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	-999.25	CPS	
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	-999.25	CPS	
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES		
TPOS	Tool Position	ECCE		
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.01524		
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.02206		
EDTC-B: Enhanced DTS Cartridge				
BHS	Borehole Status	OPEN		
GCSE	Generalized Caliper Selection	C1		
System and Miscellaneous				
BS	Bit Size	11.438	IN	
DFD	Drilling Fluid Density	1.26	G/C3	
DO	Depth Offset for Playback	-338.9	M	
PP	Playback Processing	RECOMPUTE		

Format: MEST\_C\_WRAP\_BY\_P1AZ Vertical Scale: 1:20 Graphics File Created: 09-Sep-2013 13:26

## OP System Version: 19C0-187

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

### Input DLIS Files

DEFAULT	FMS_DSI_NGS_013LUP	FN:12	PRODUCER	08-Sep-2013 05:22	884.7 M	764.3 M
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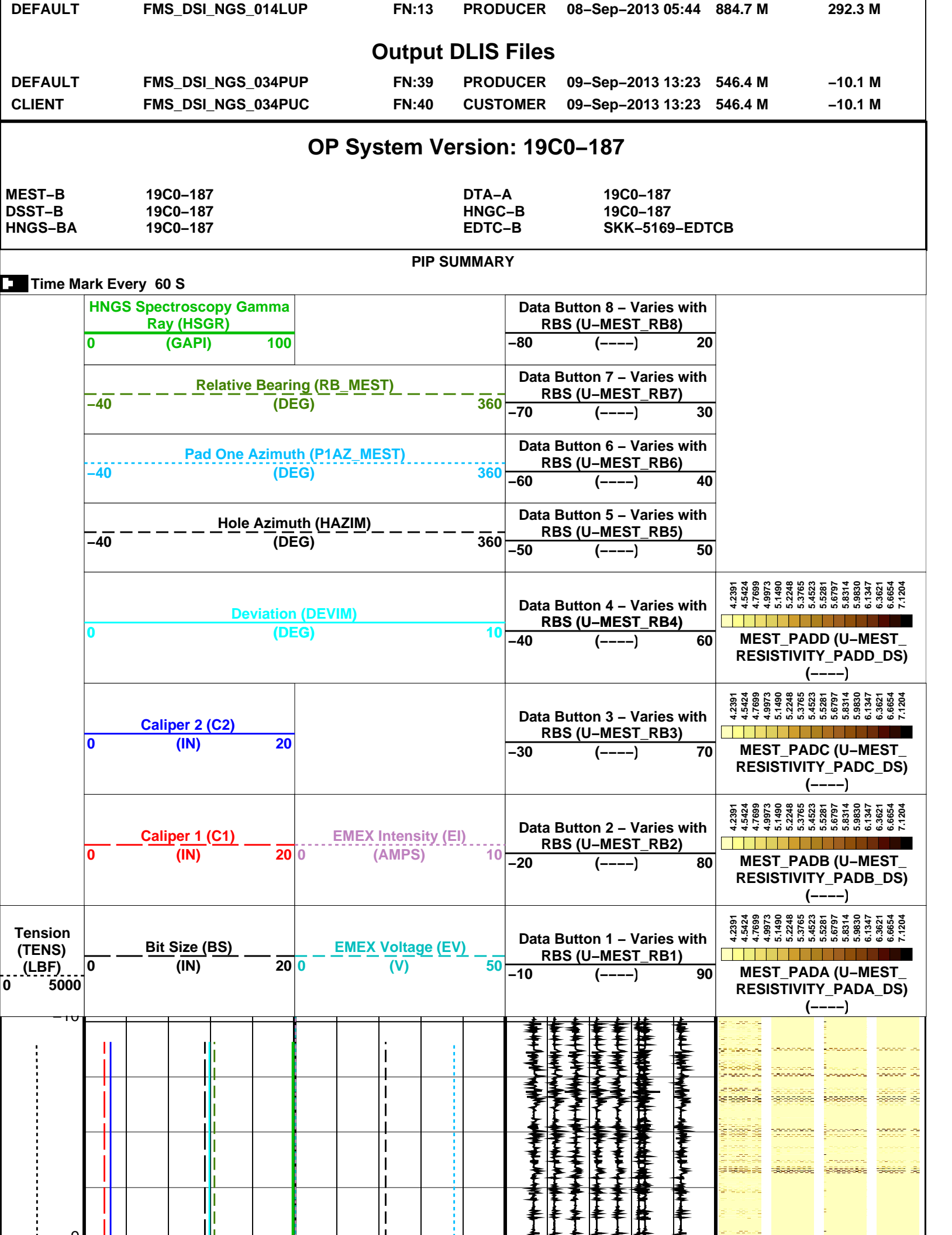
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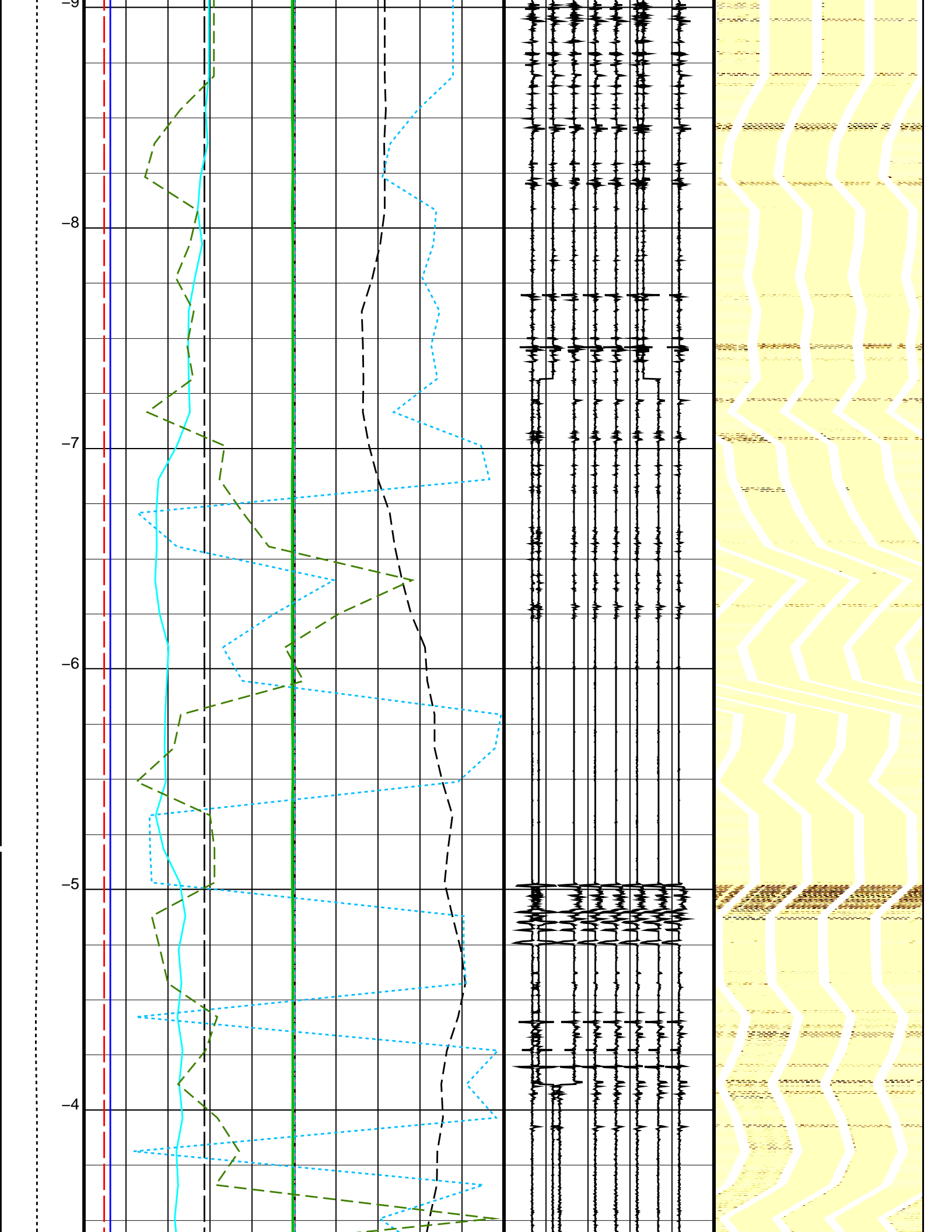
DEFAULT	FMS_DSI_NGS_035PUP	FN:41	PRODUCER	09-Sep-2013 13:26
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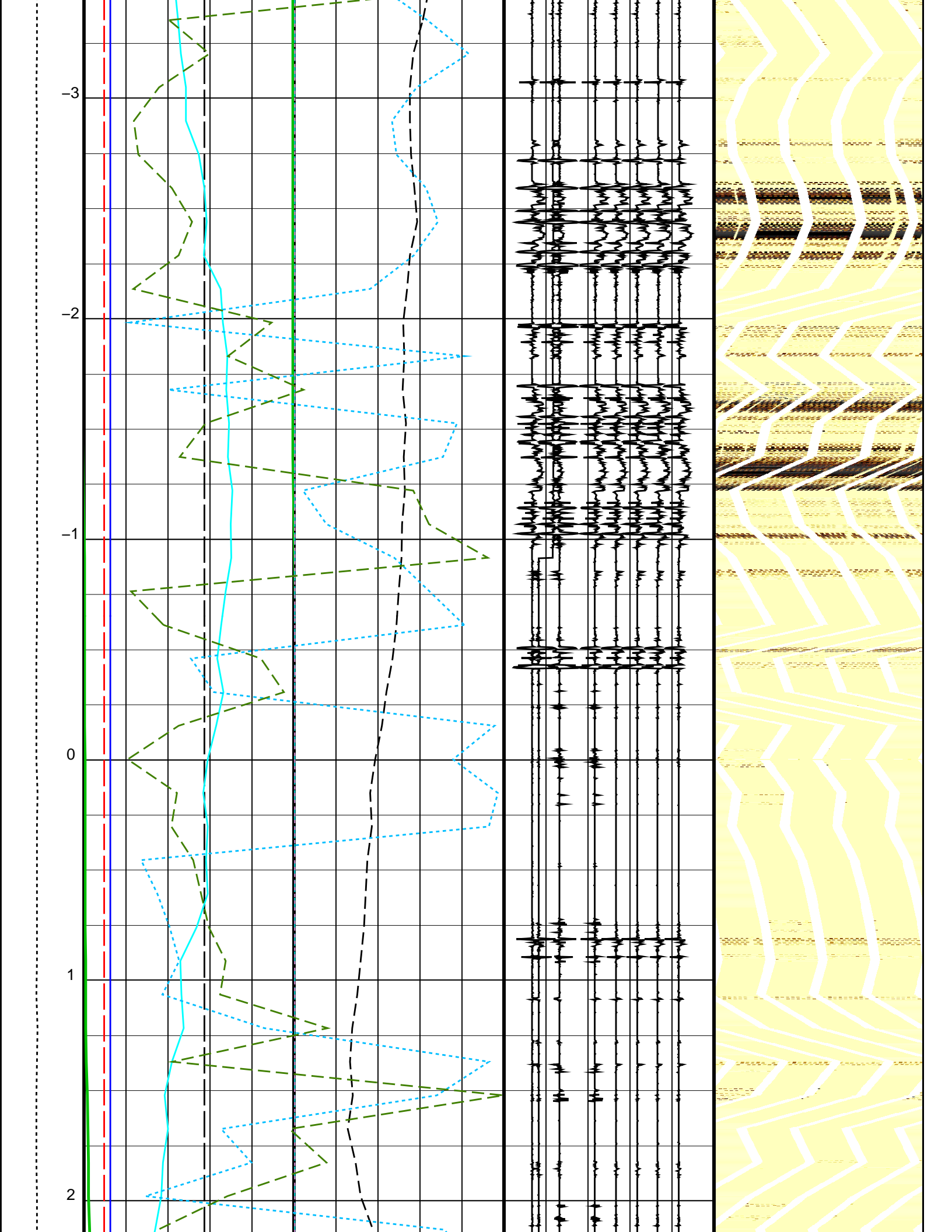
**Schlumberger**

**Main Pass**  
**1:200 Scale**

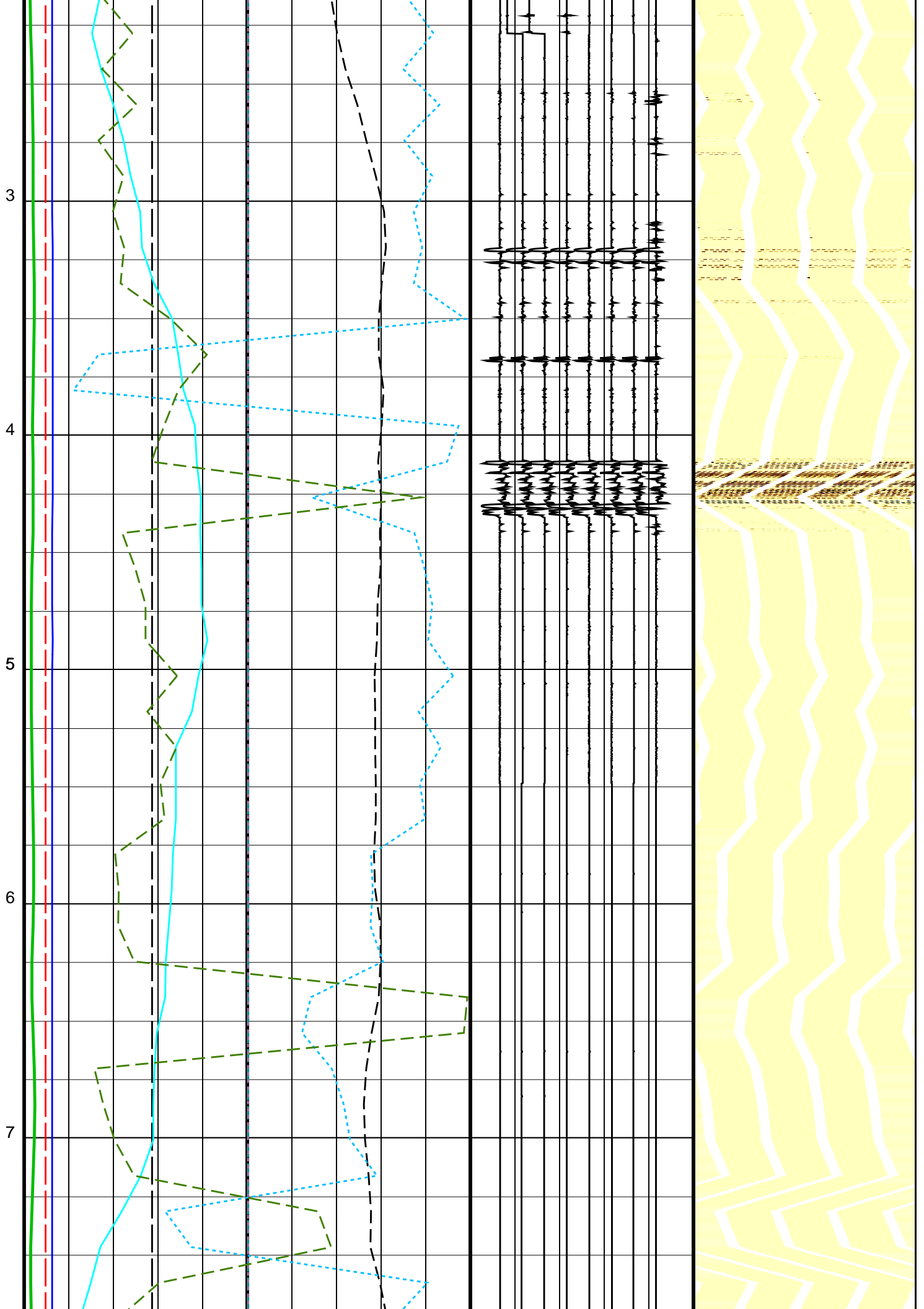
MAXIS Field Log

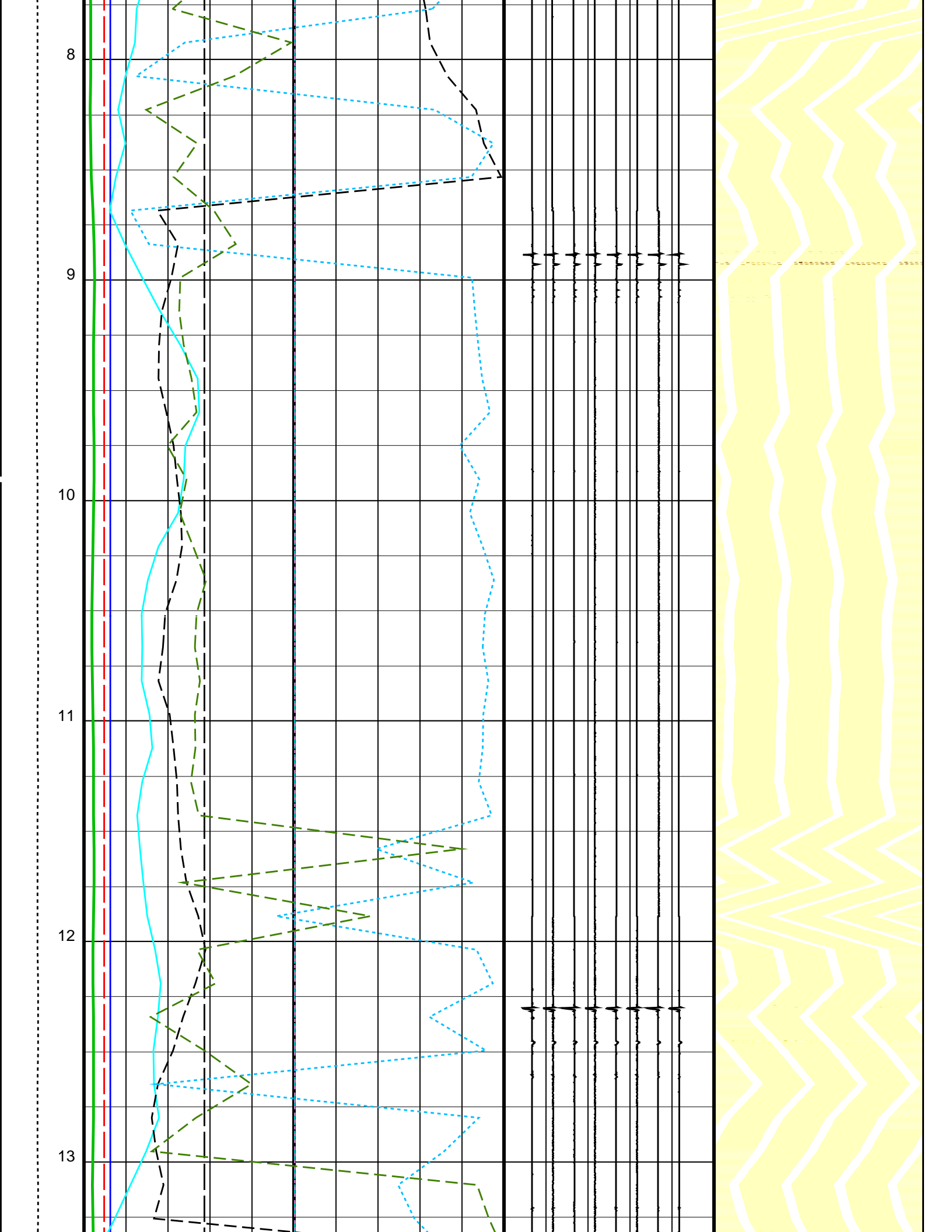




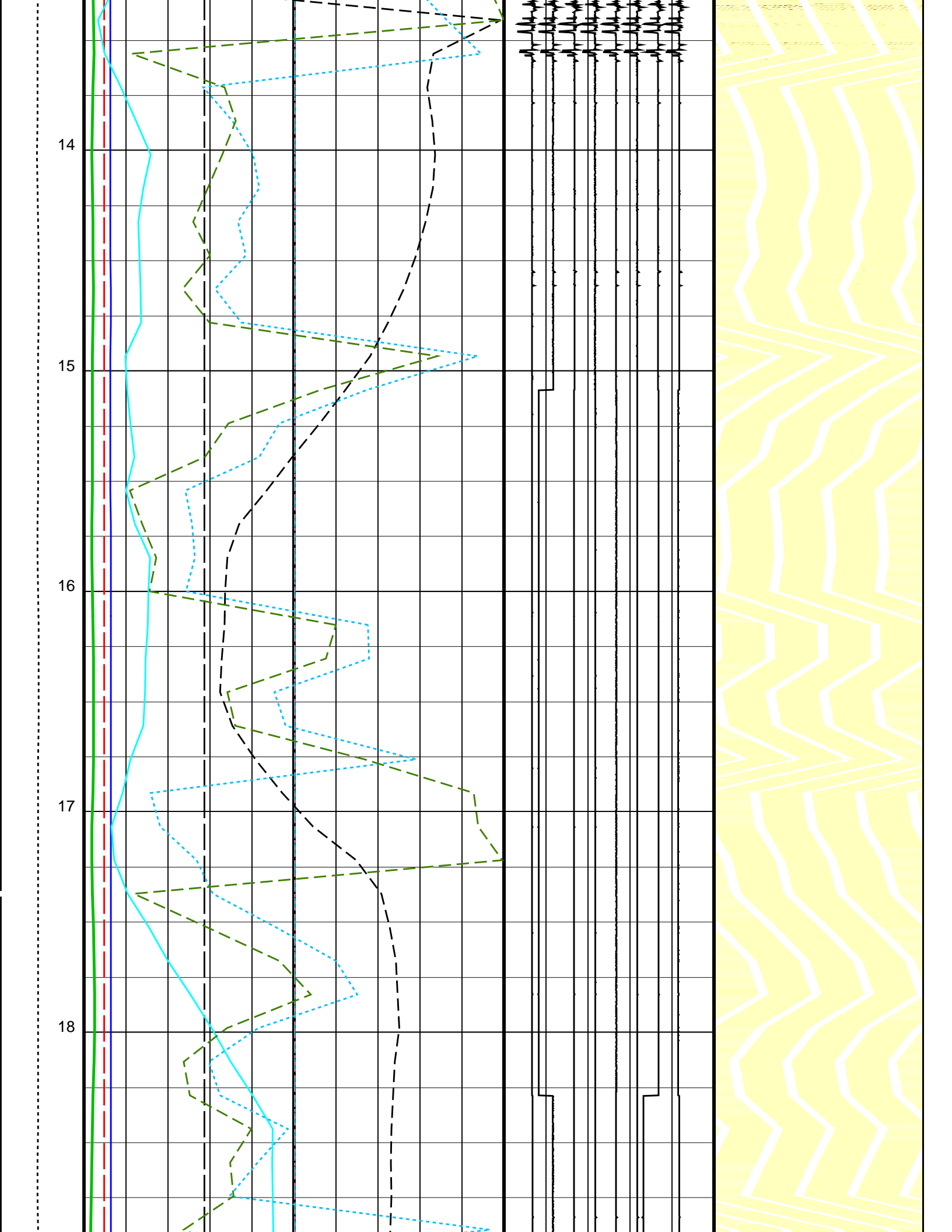


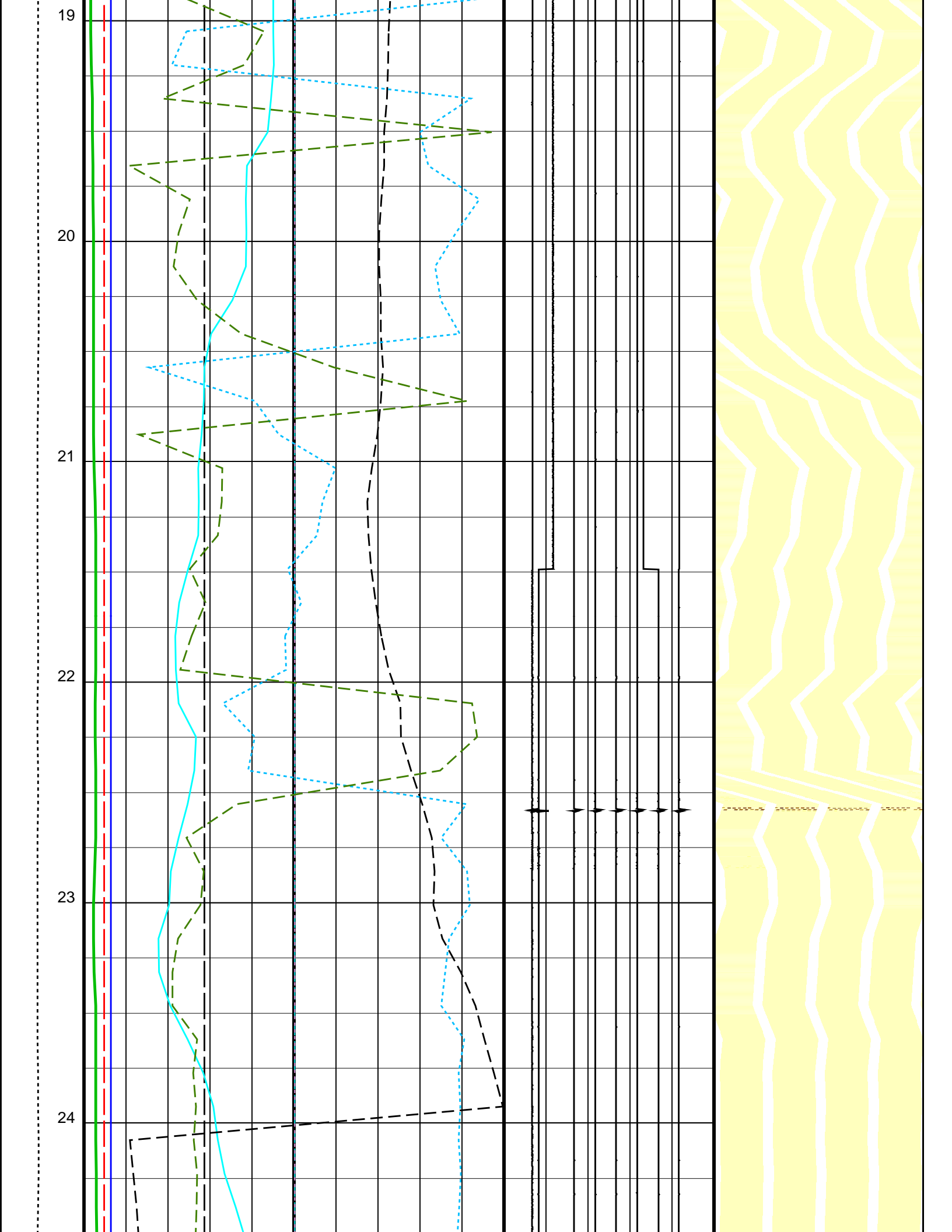


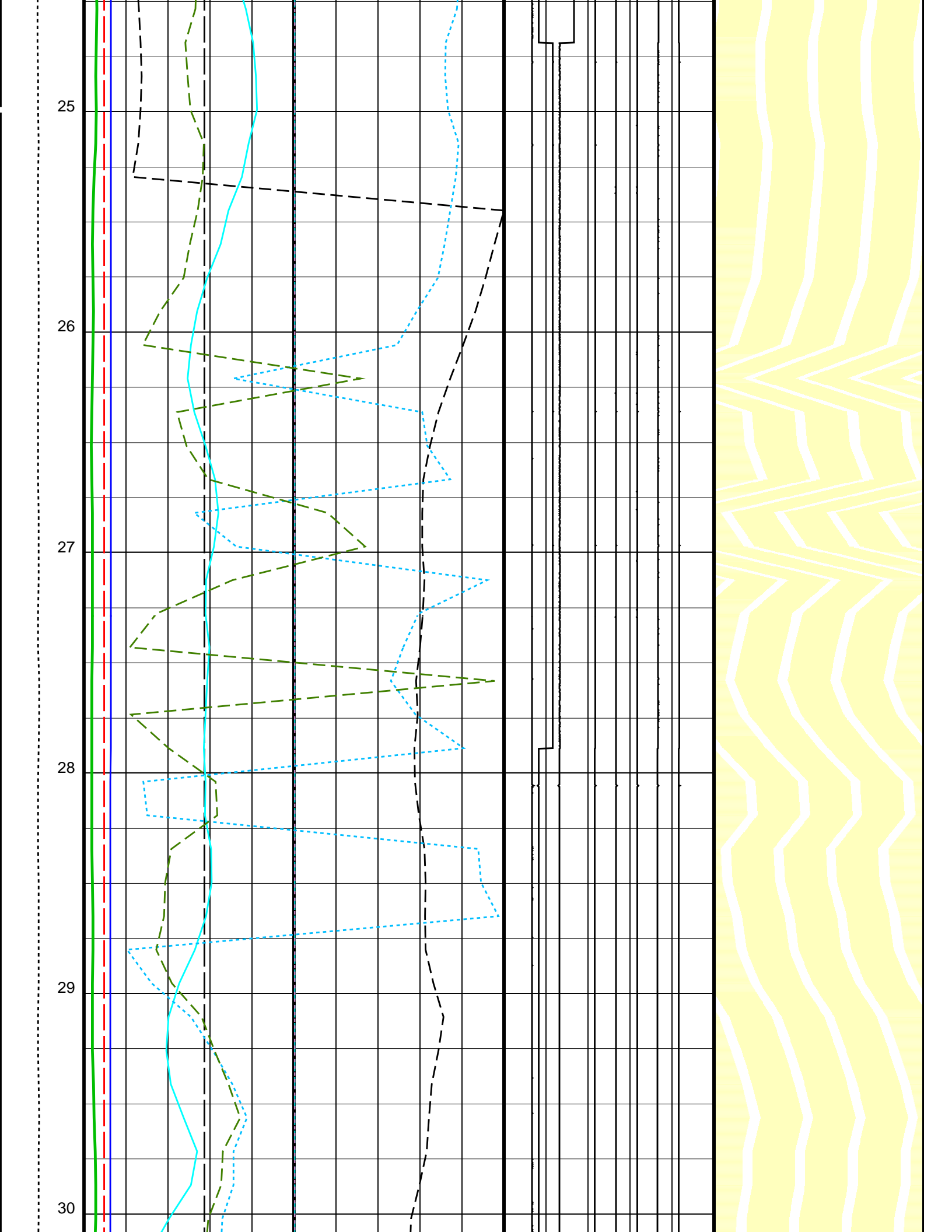


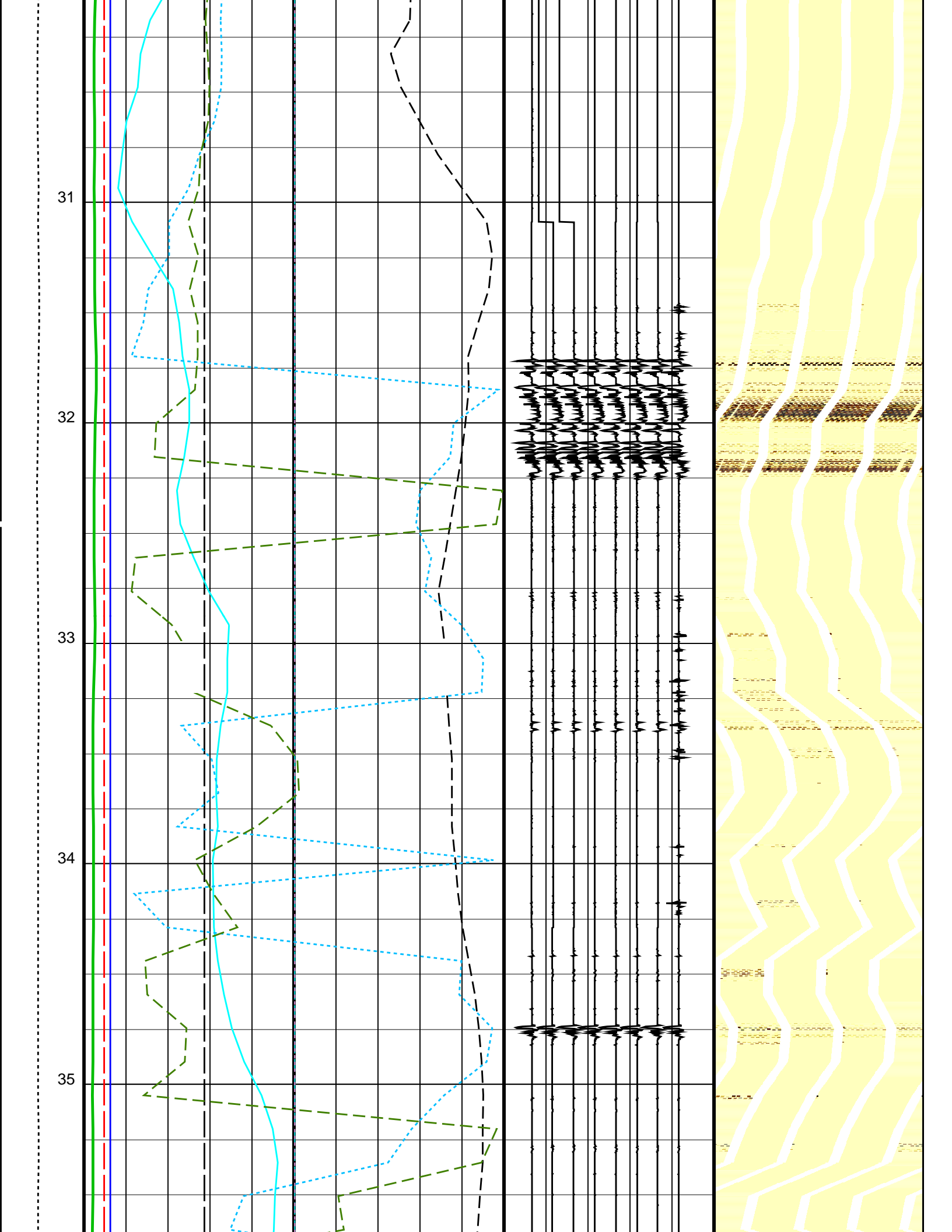


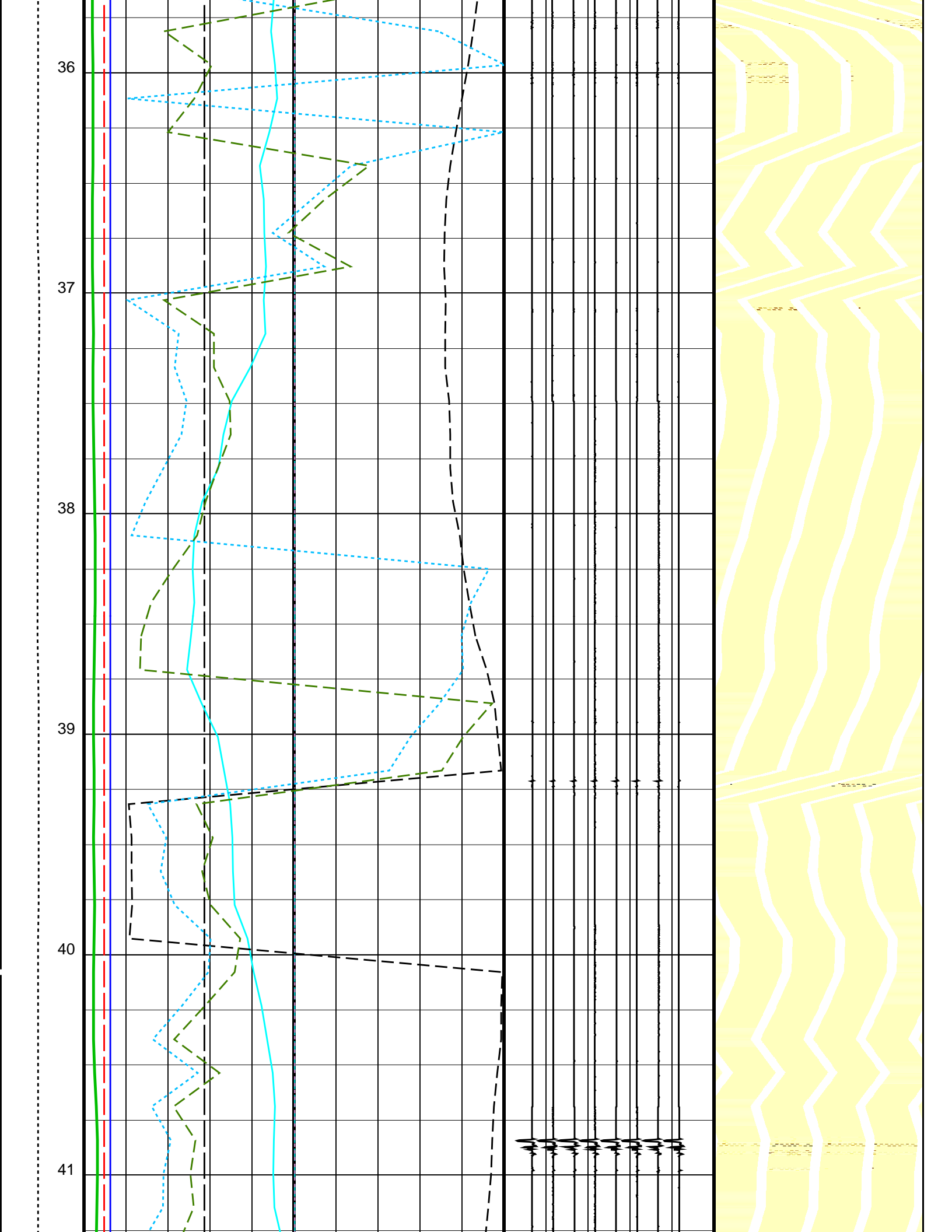


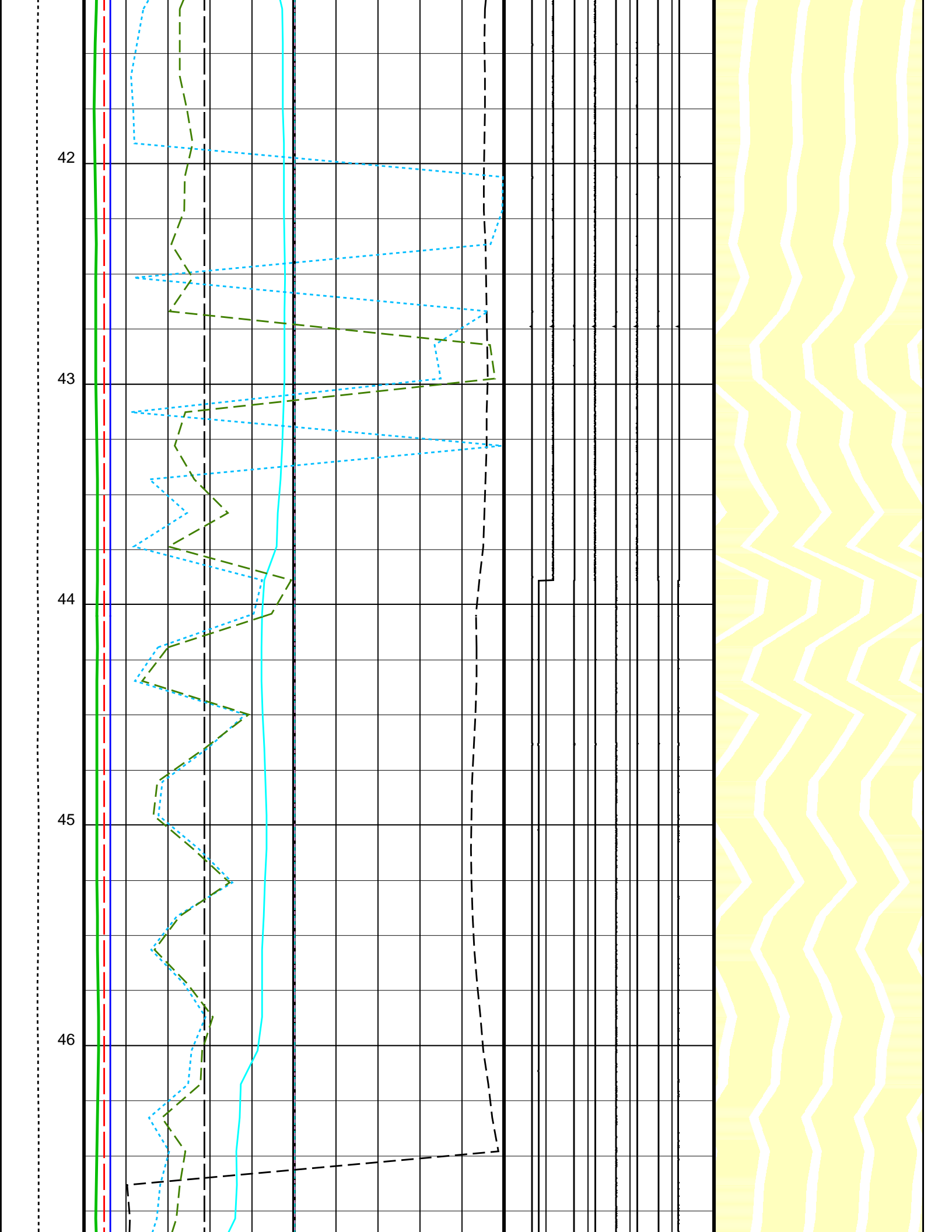


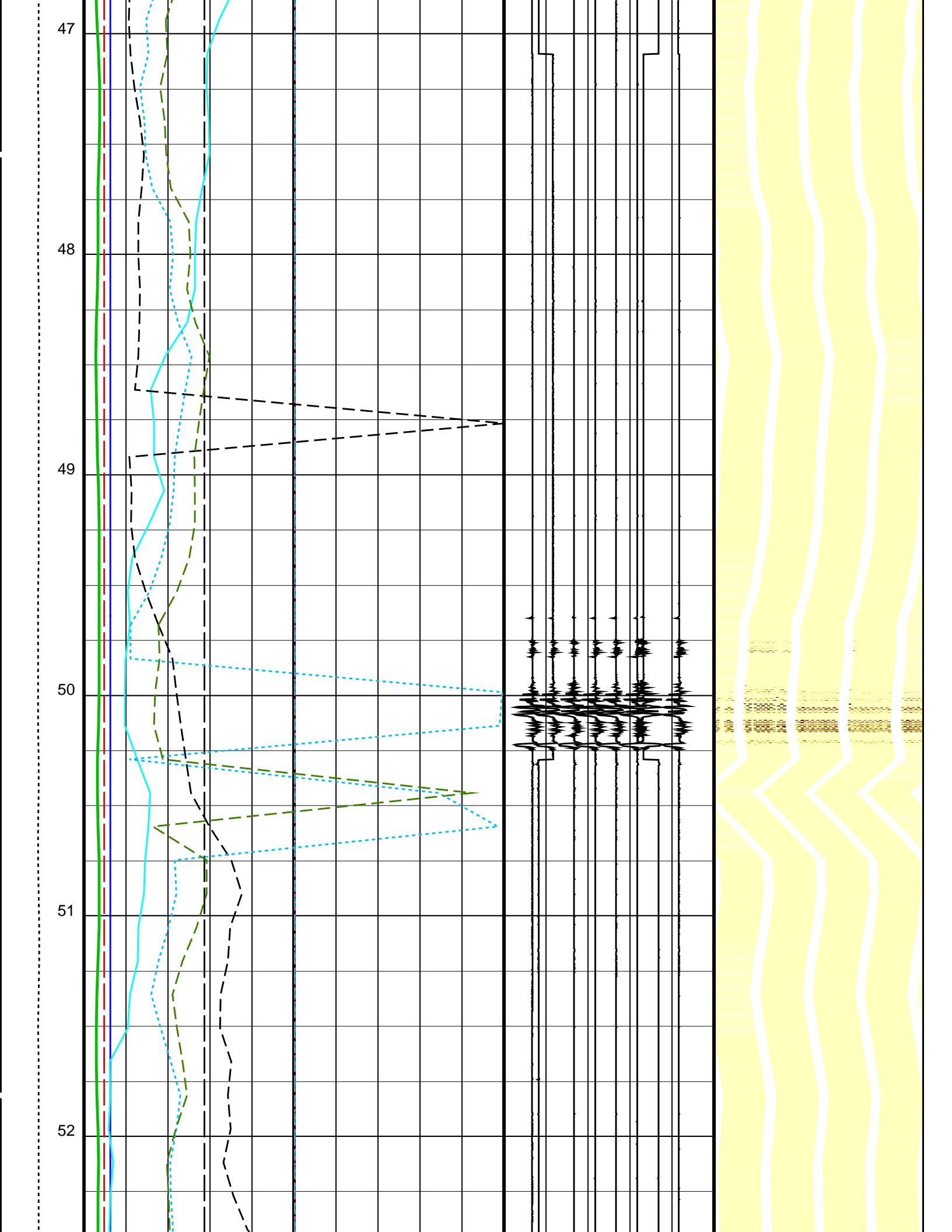


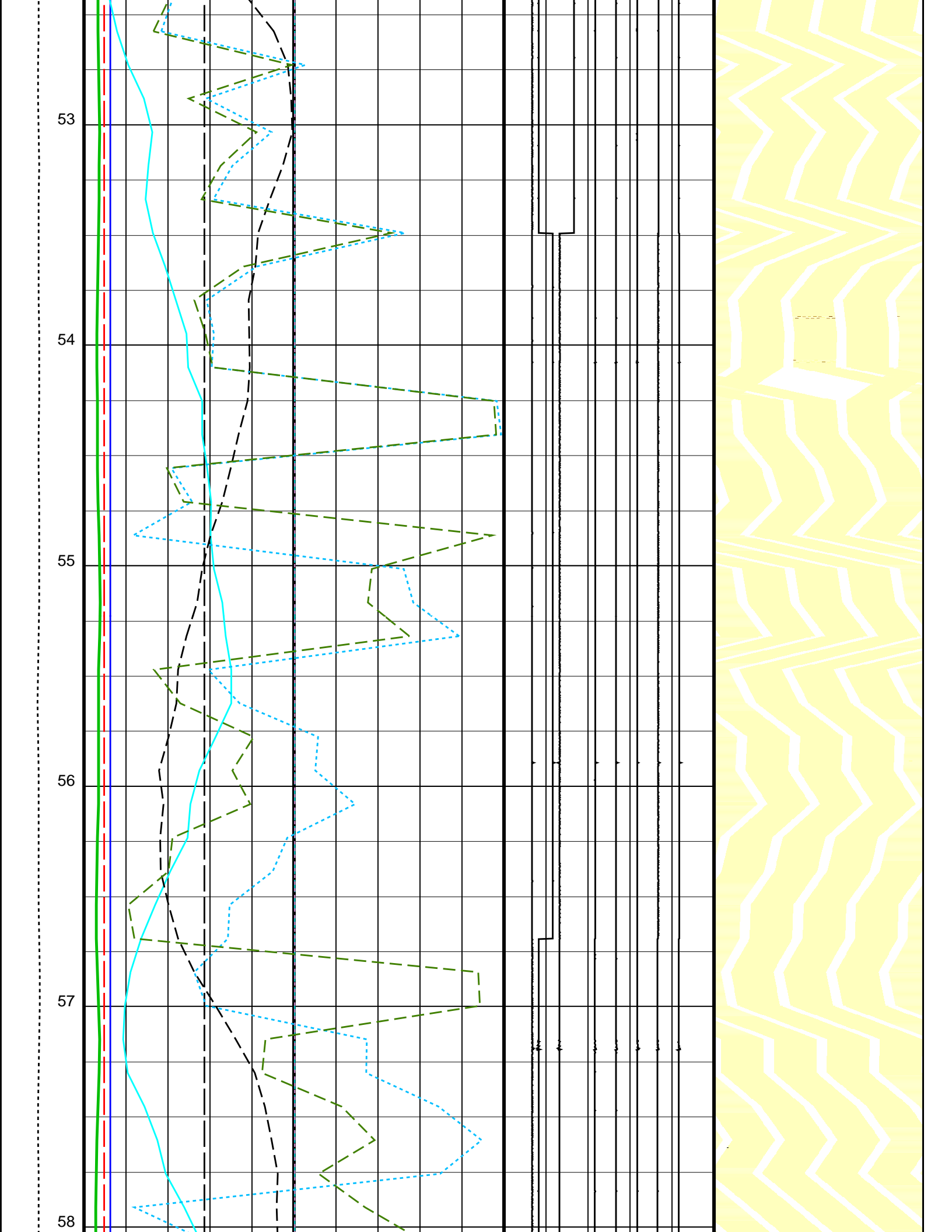




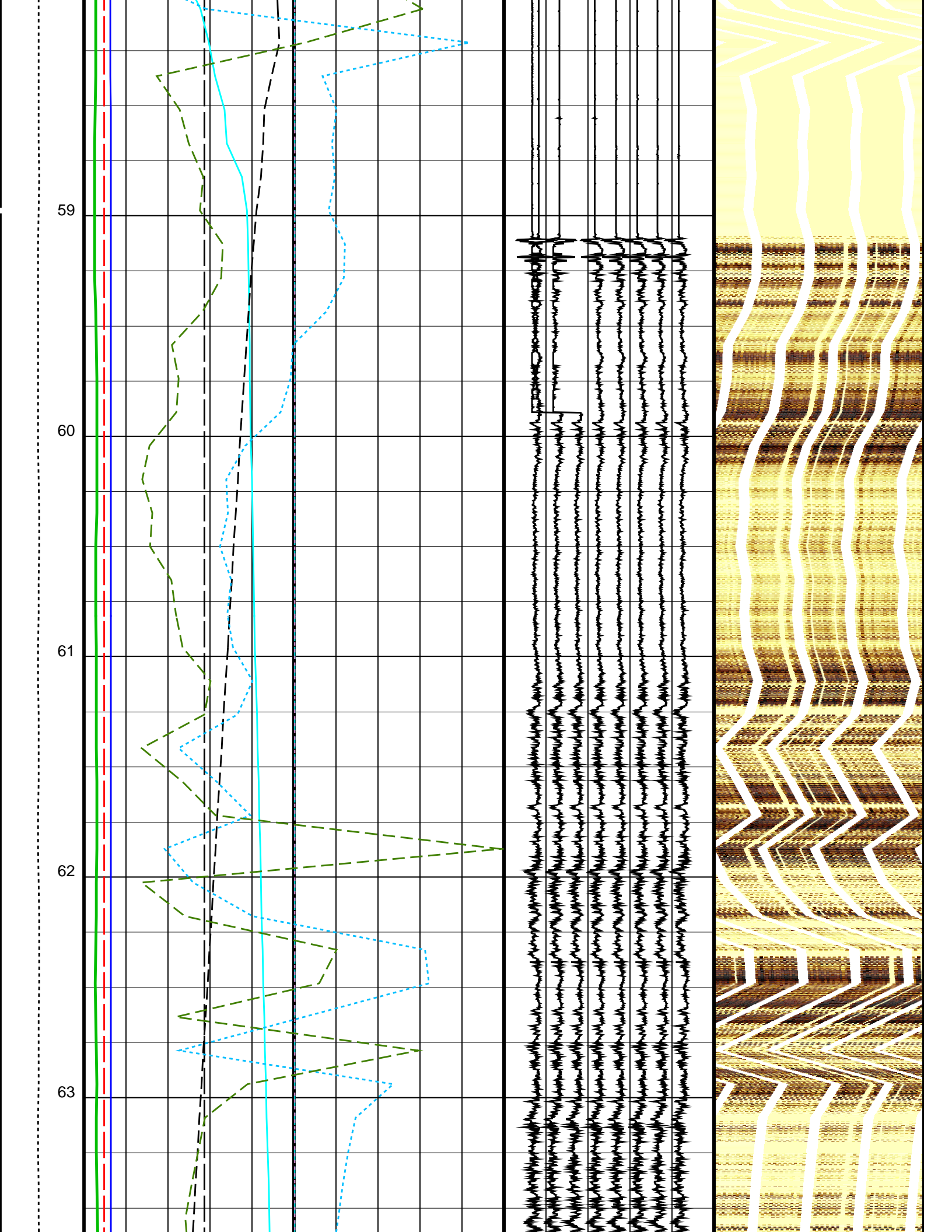


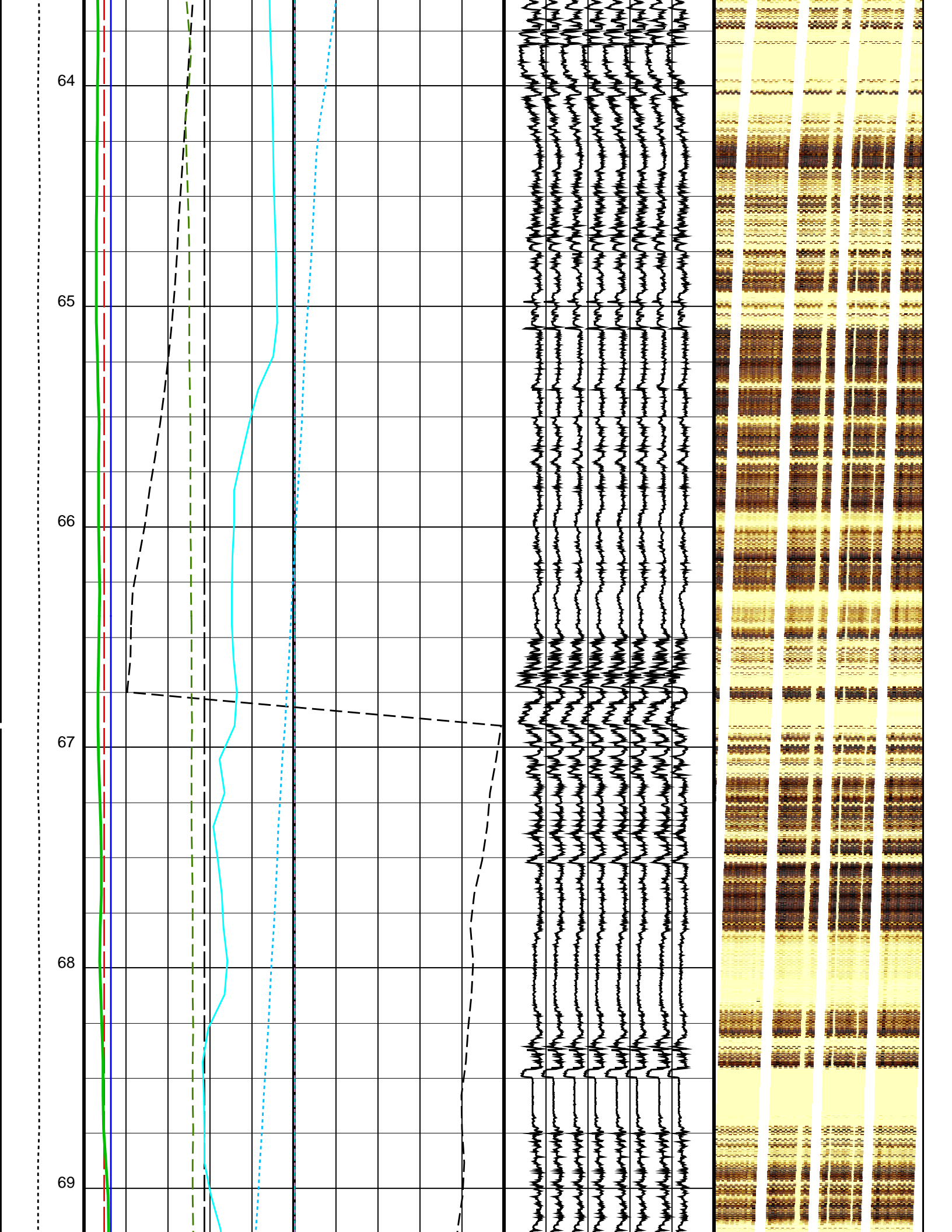


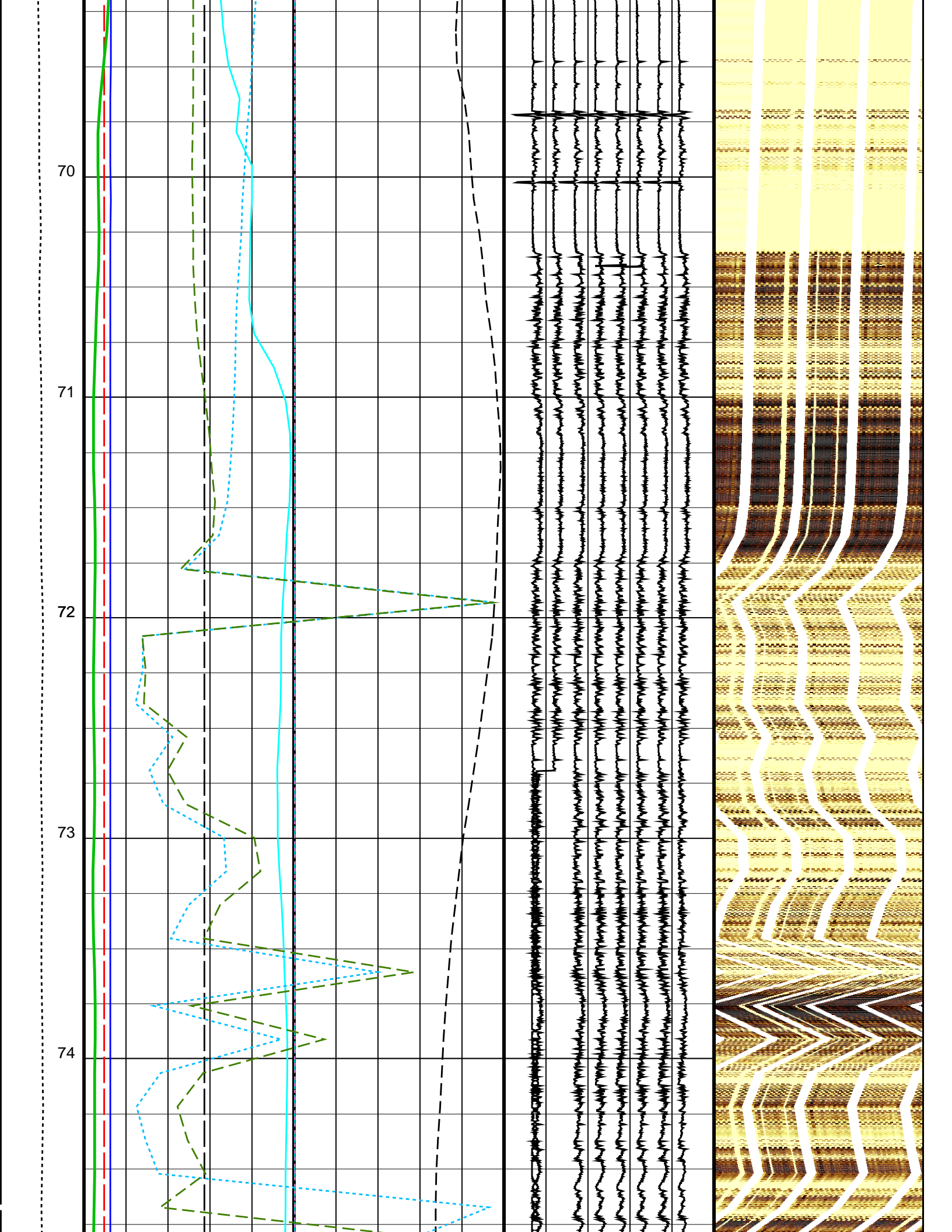




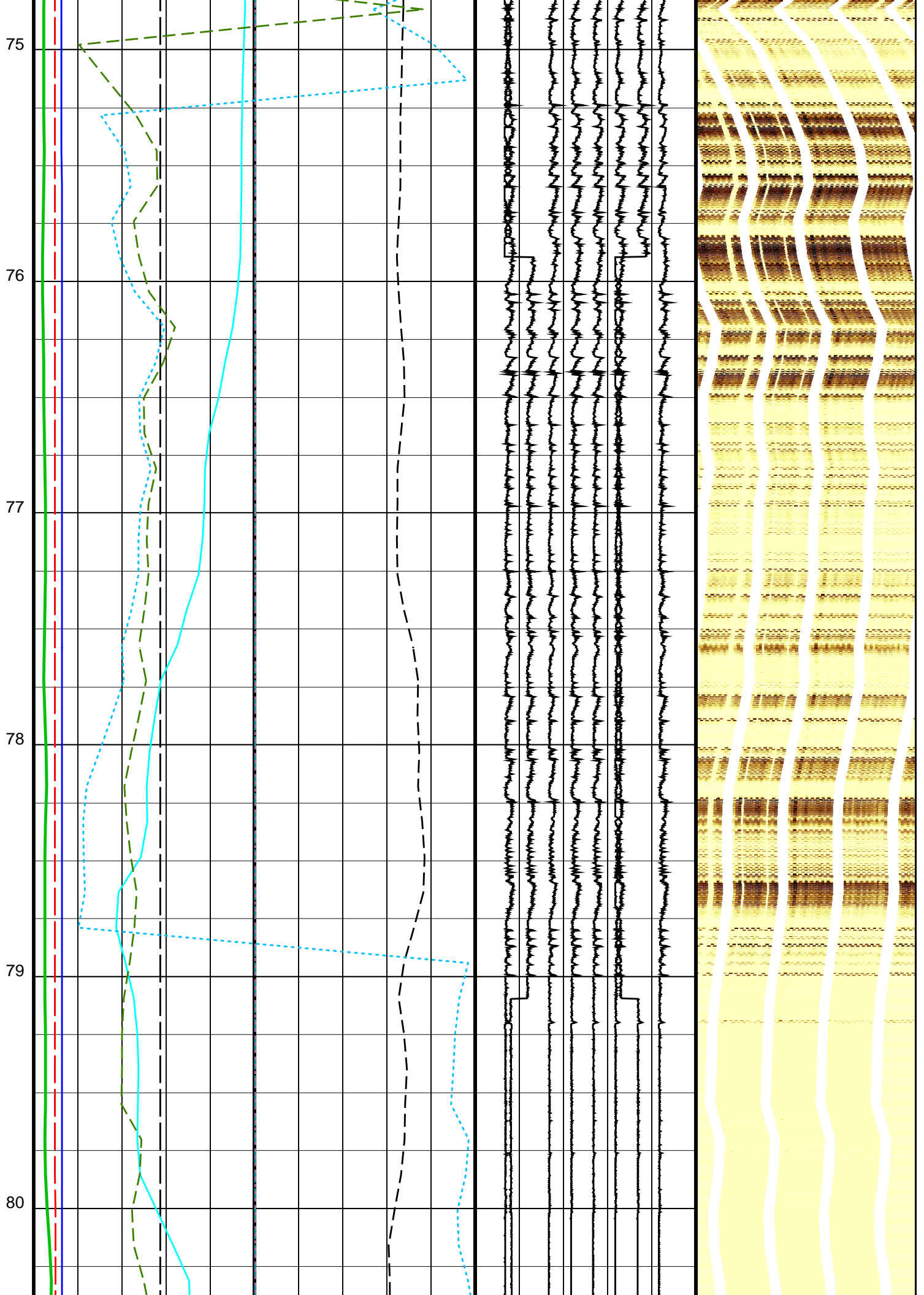


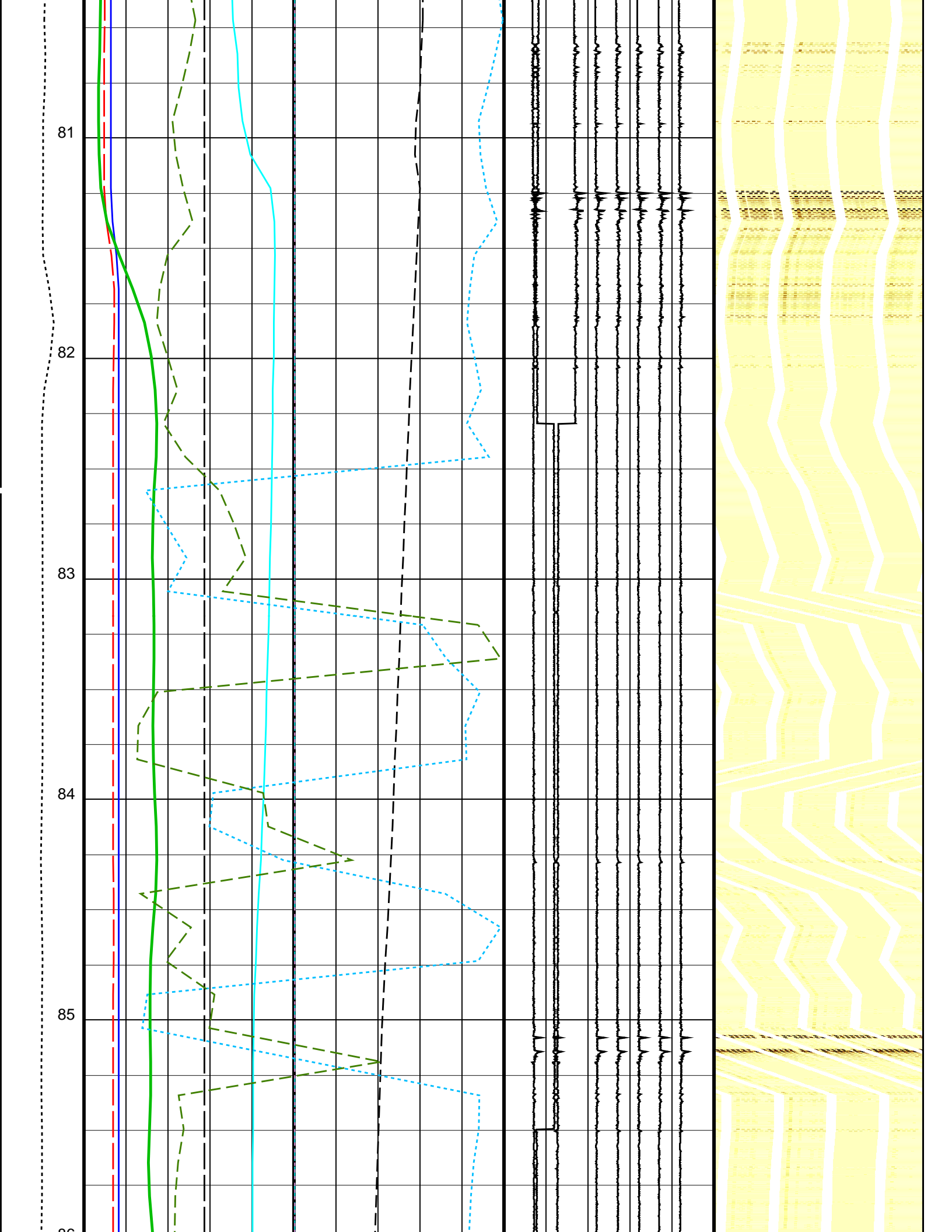


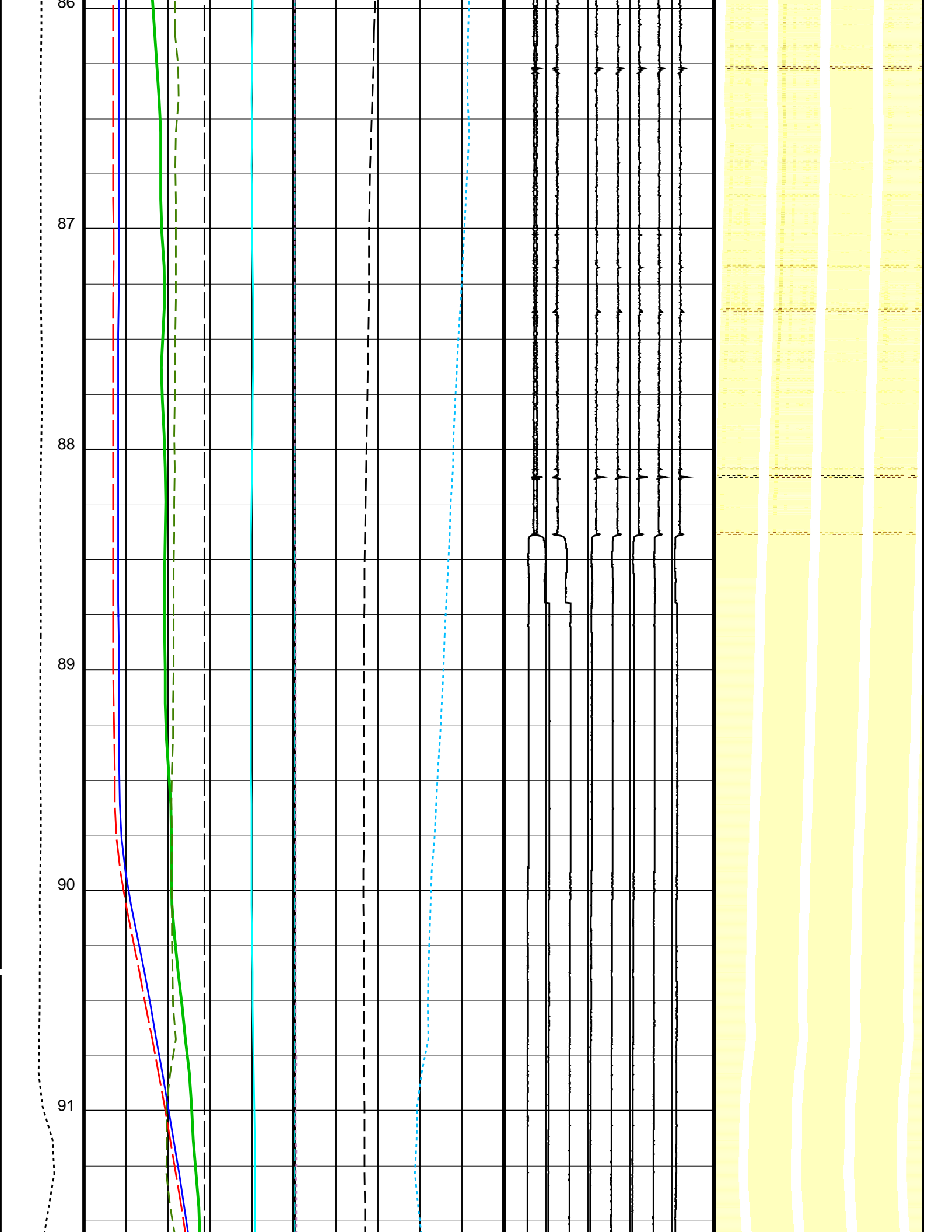












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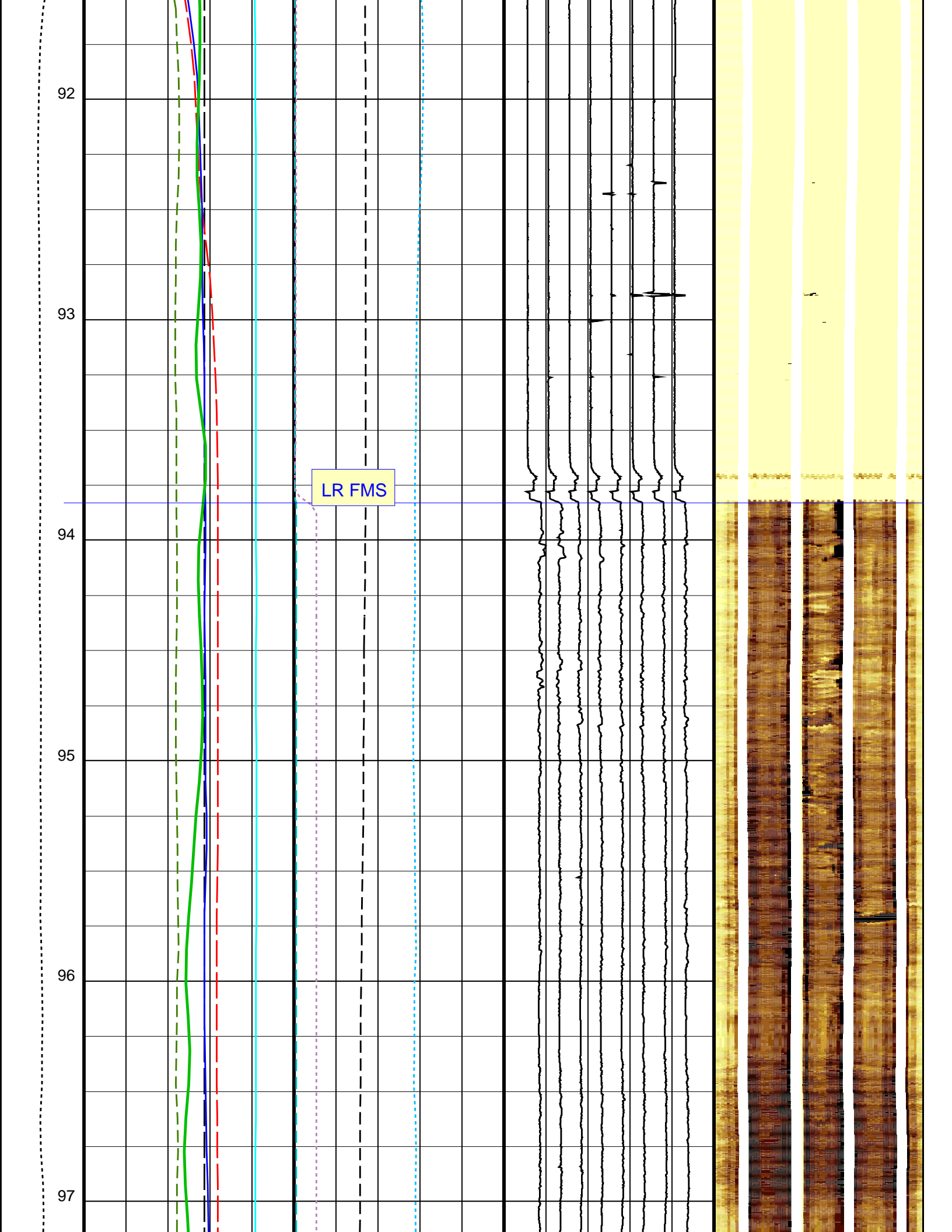
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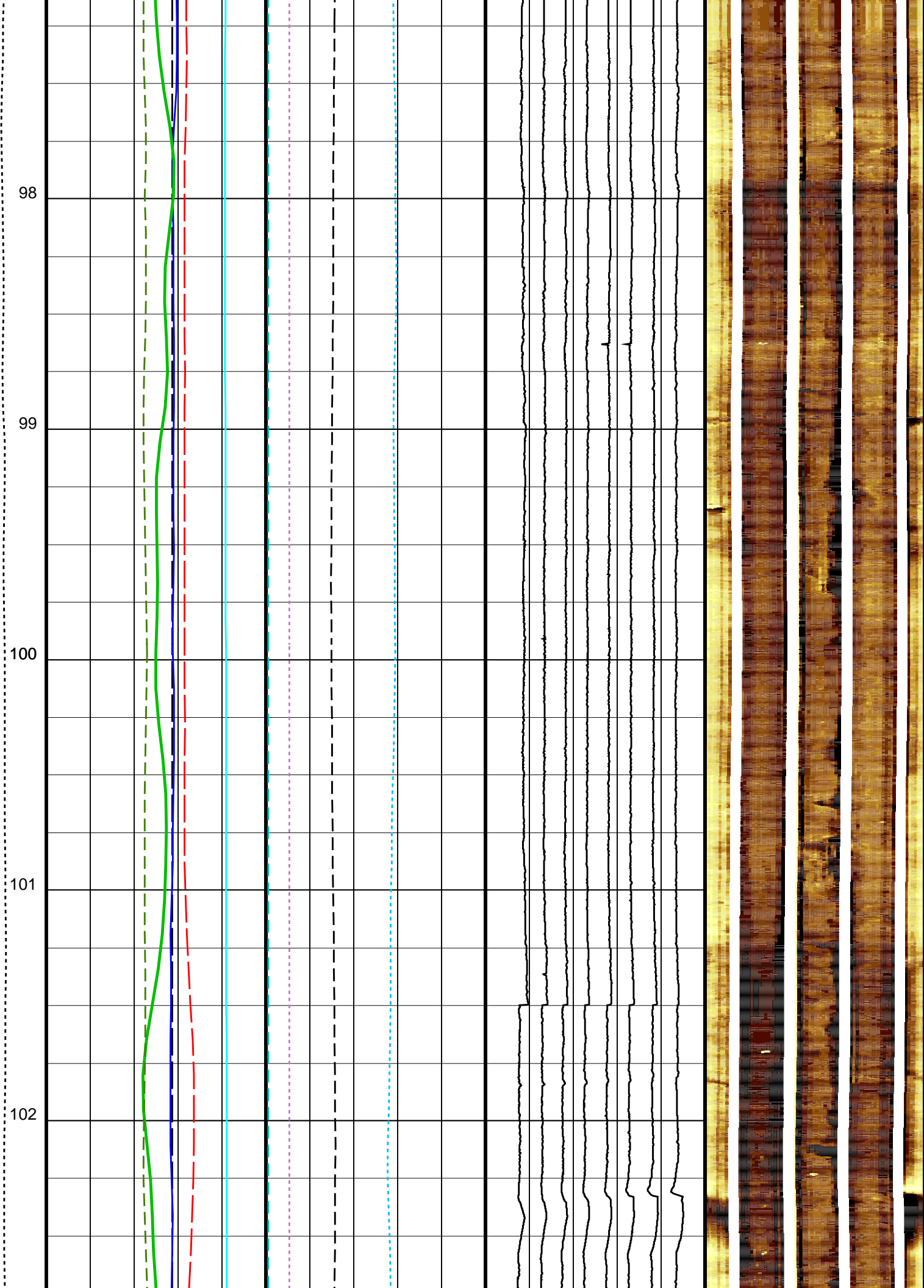
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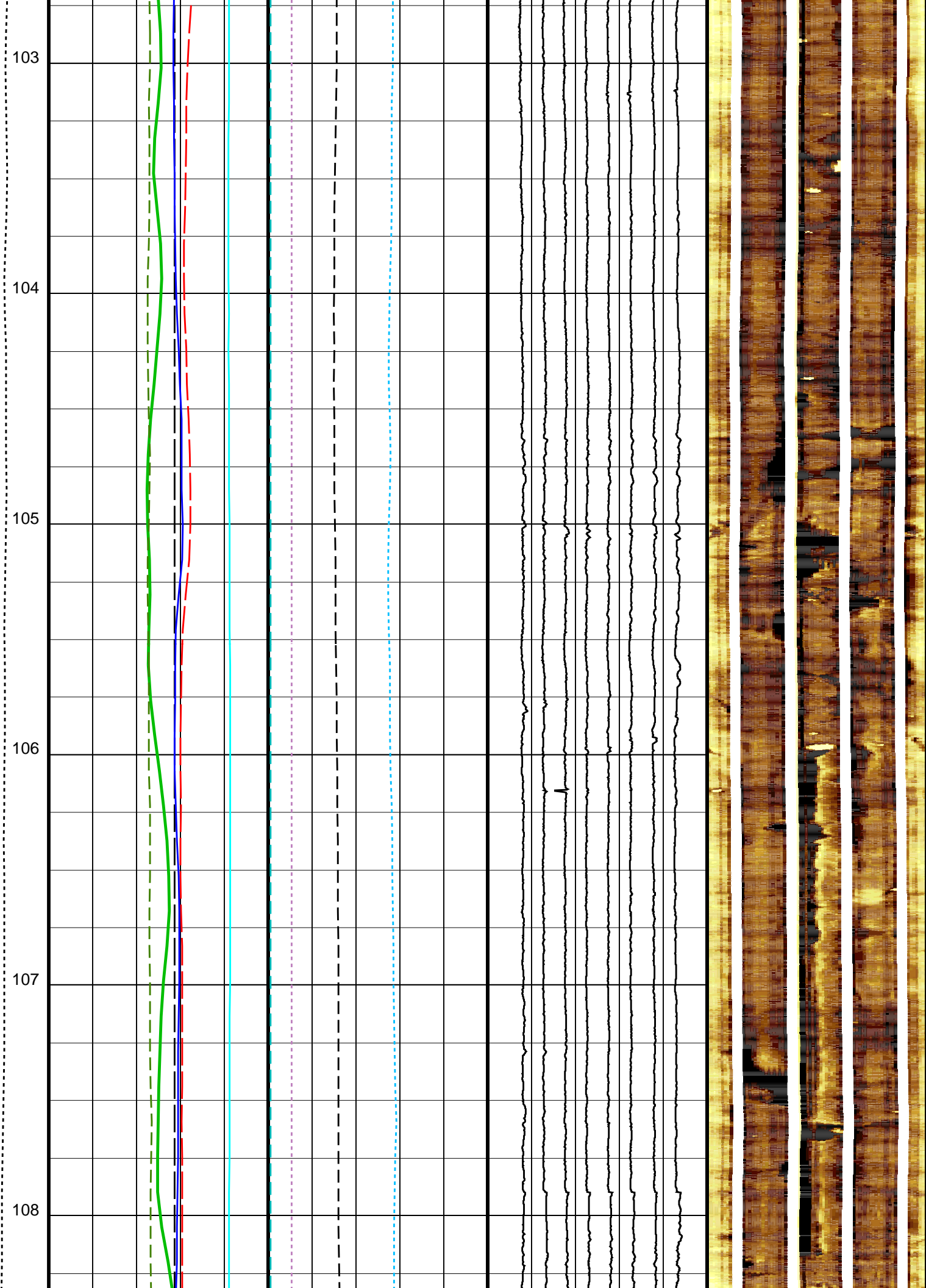
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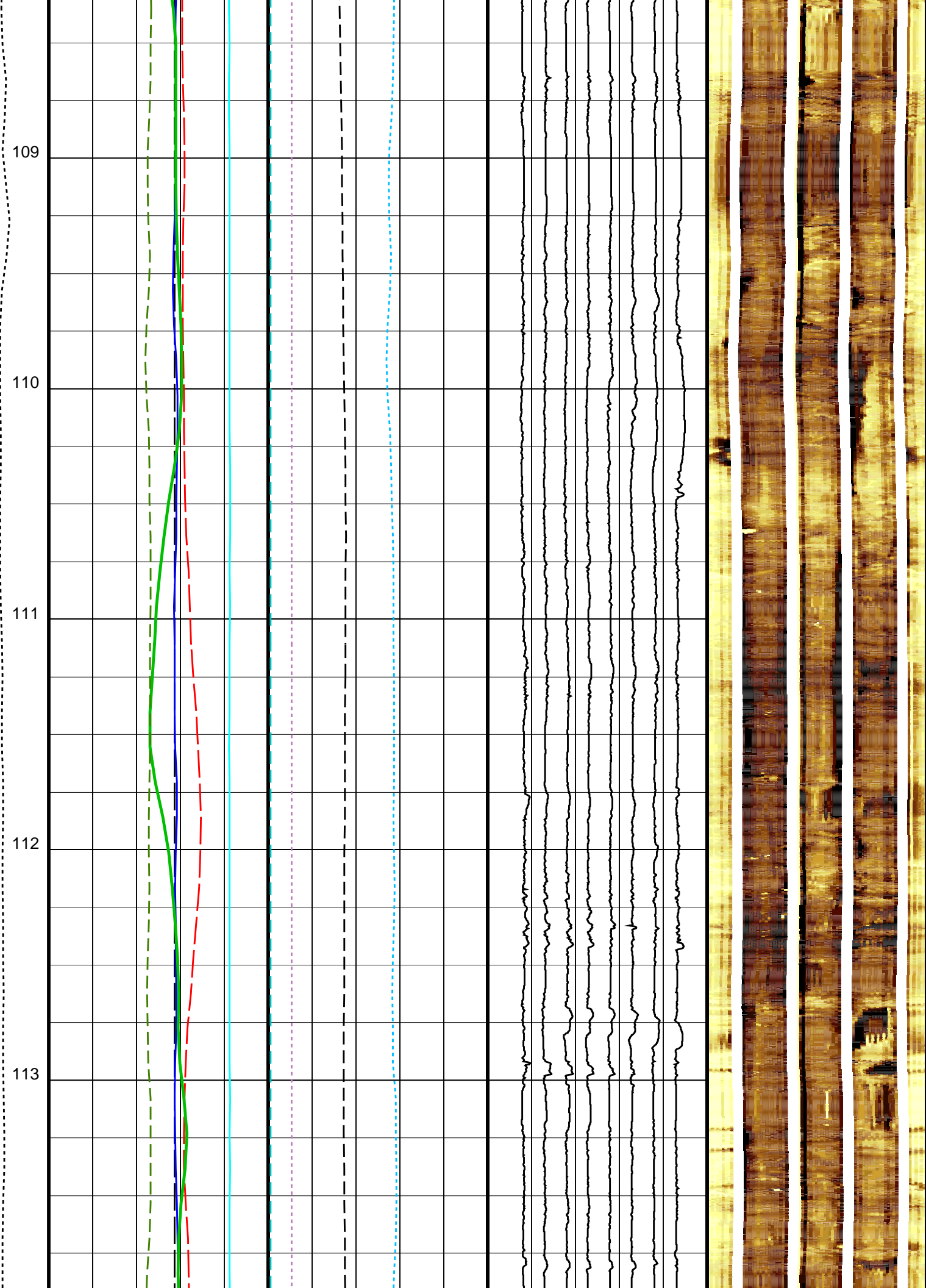
LR FMS

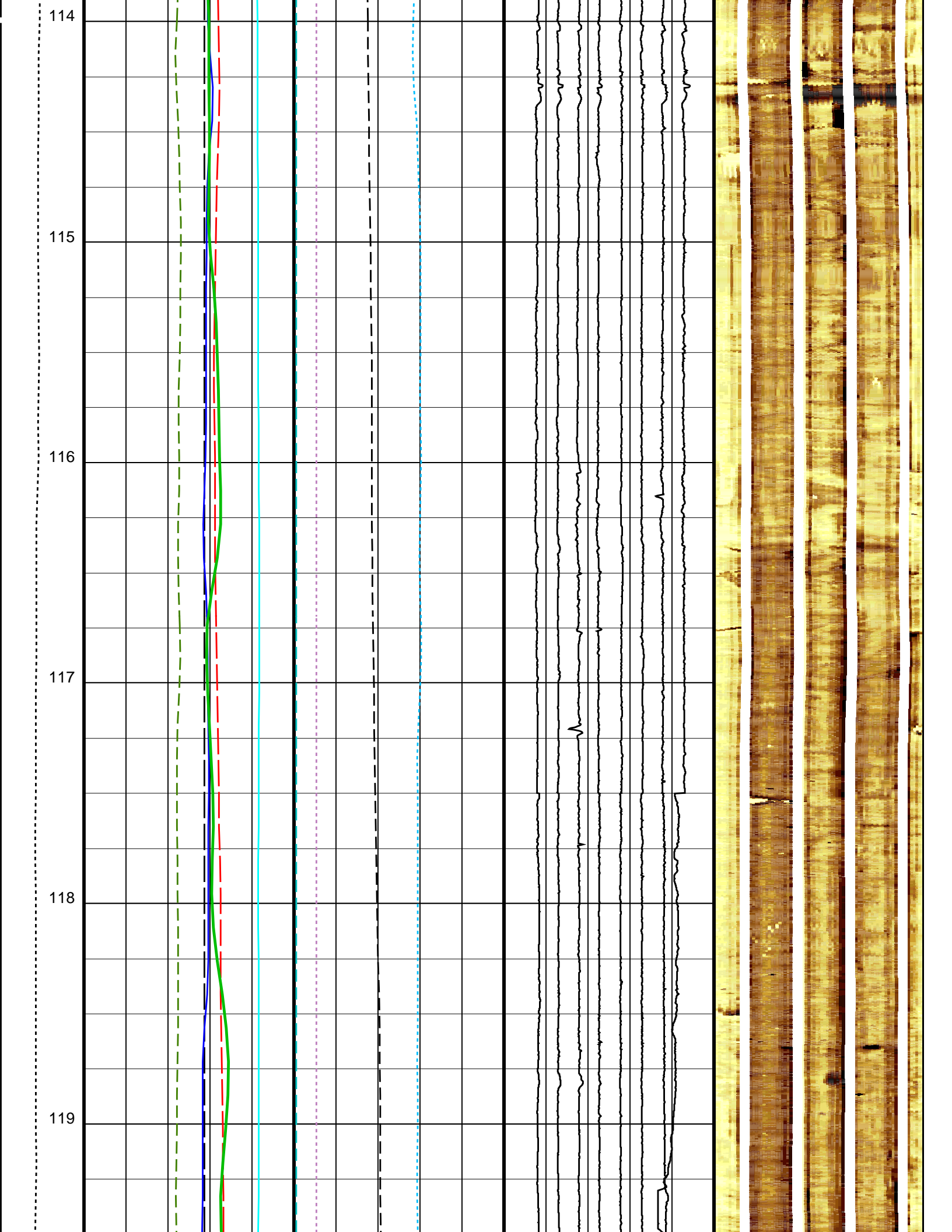












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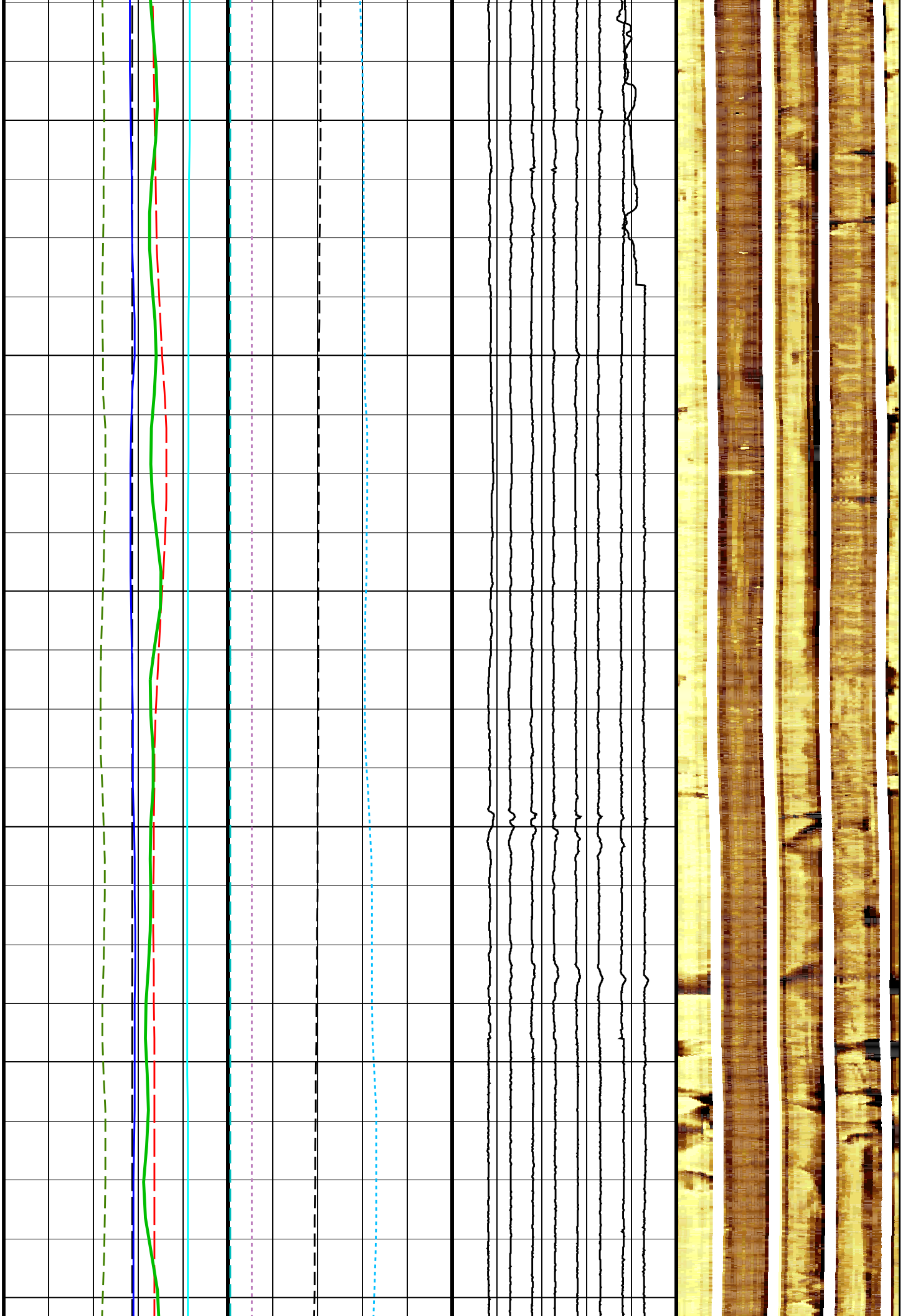
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122

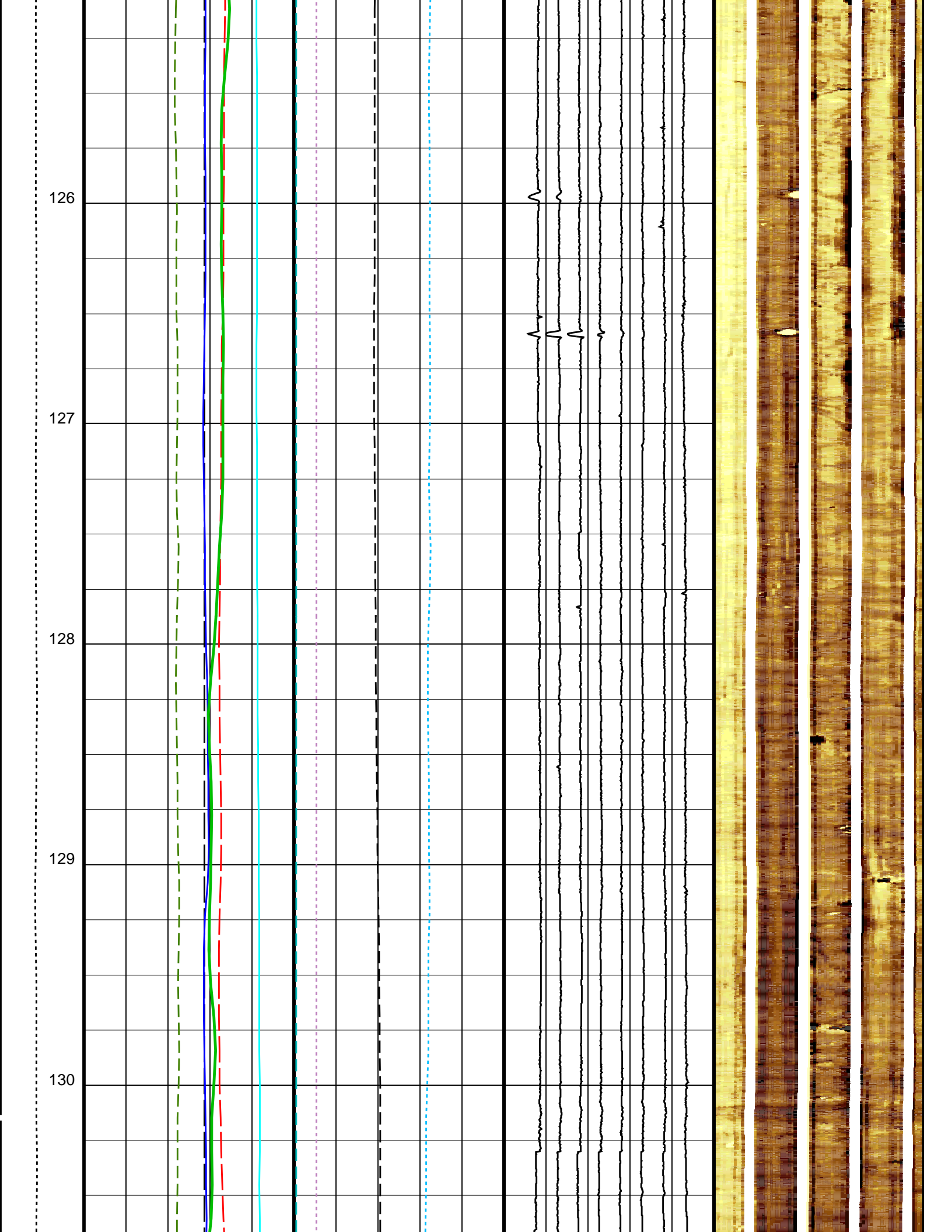
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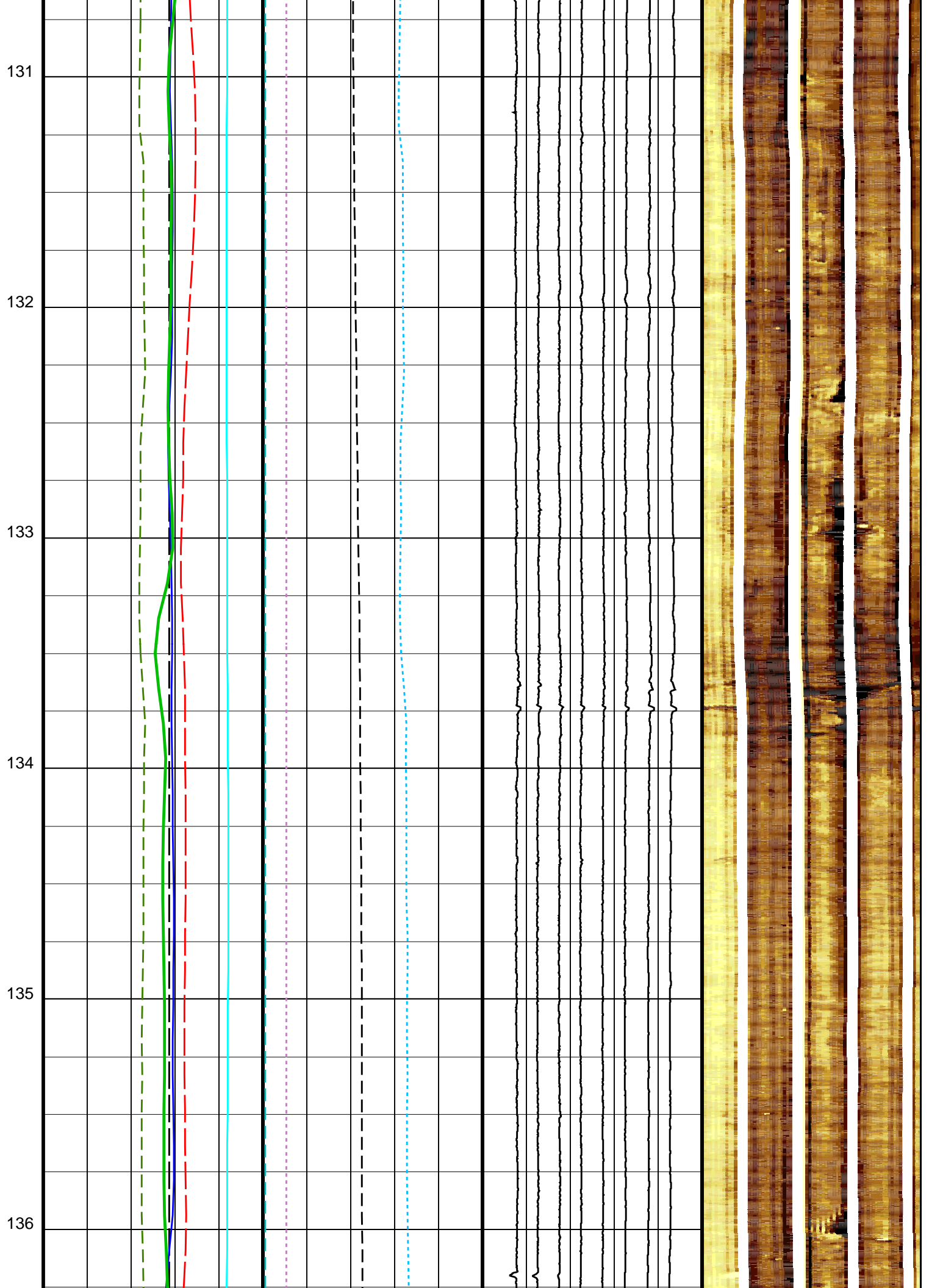
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125











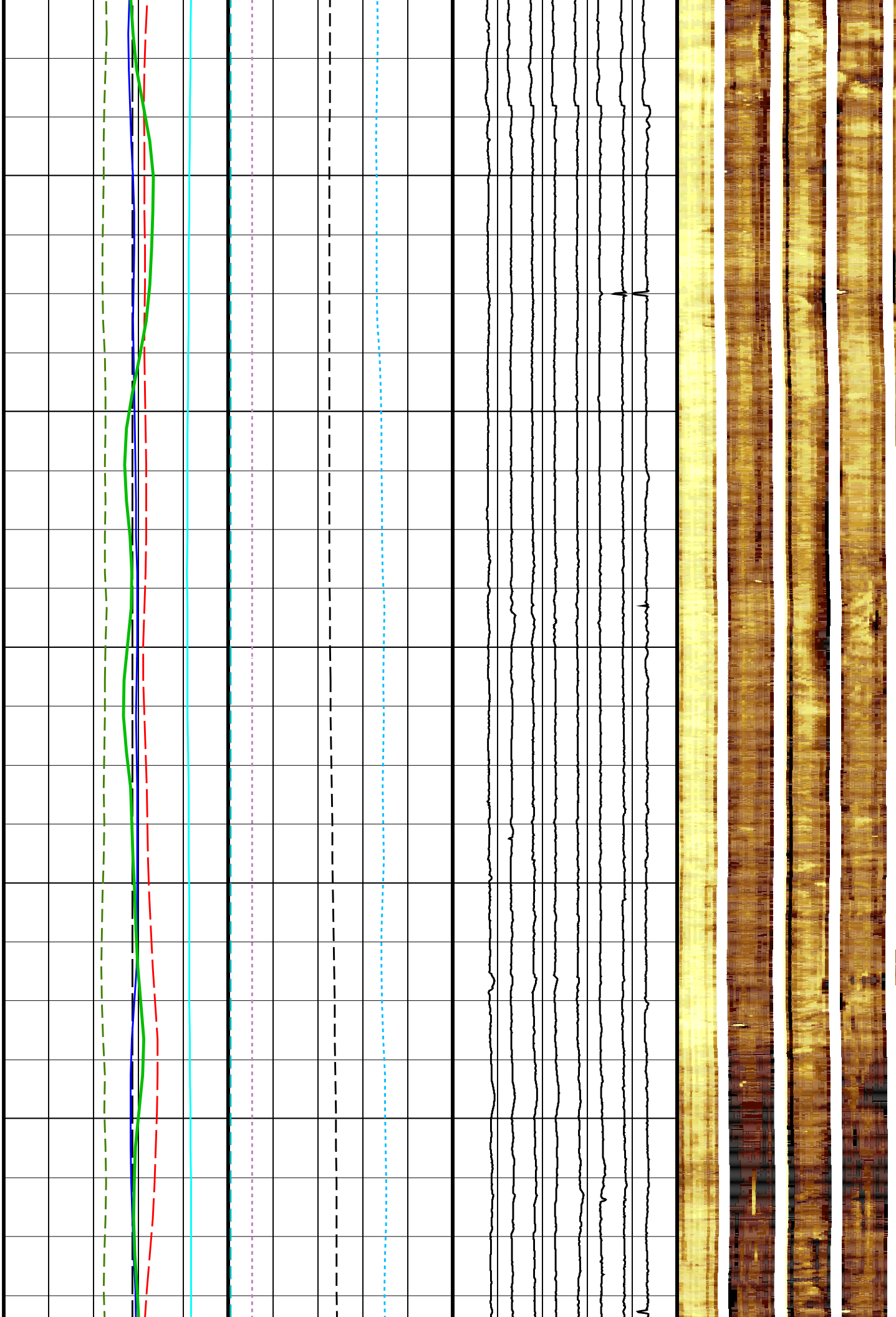
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142

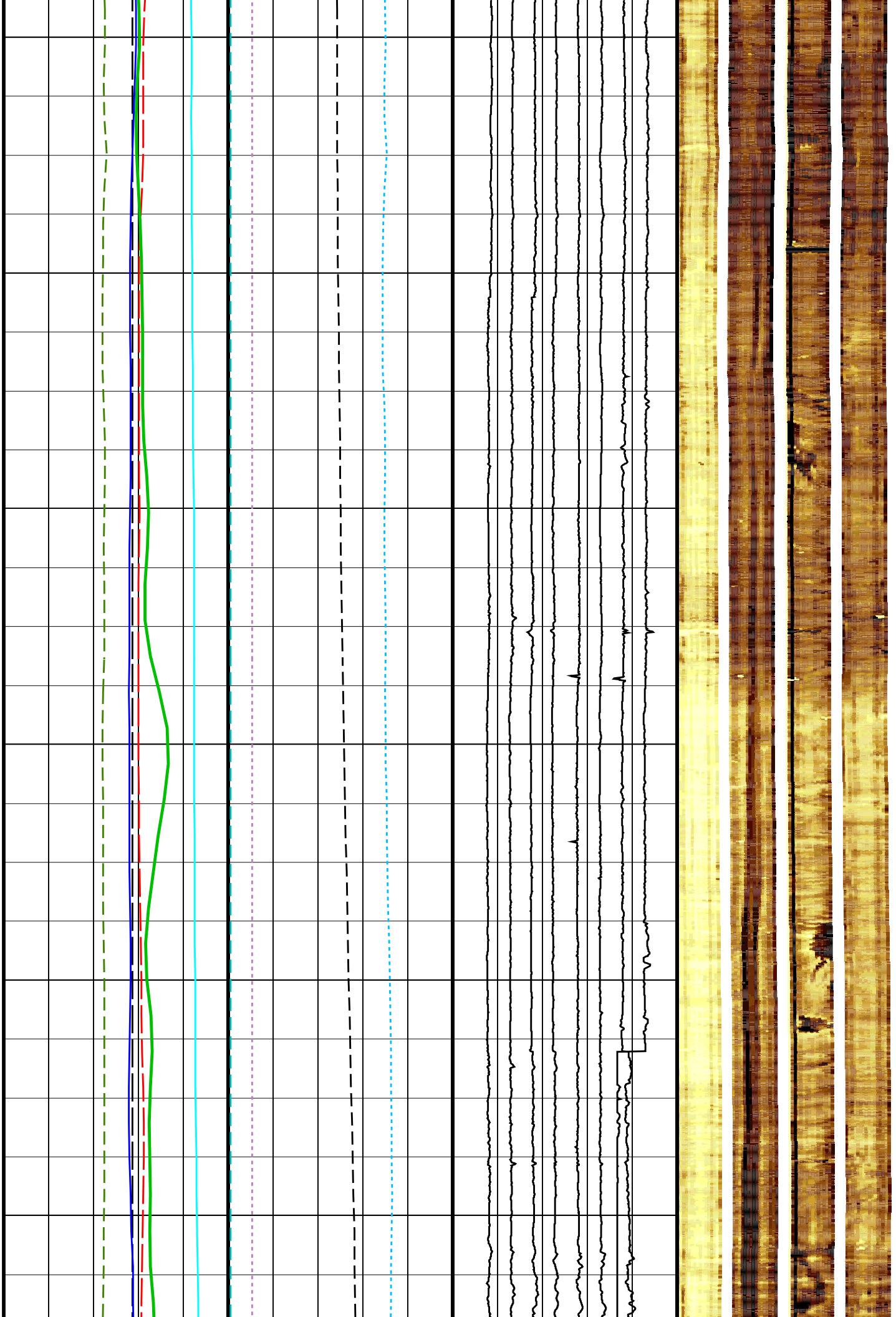
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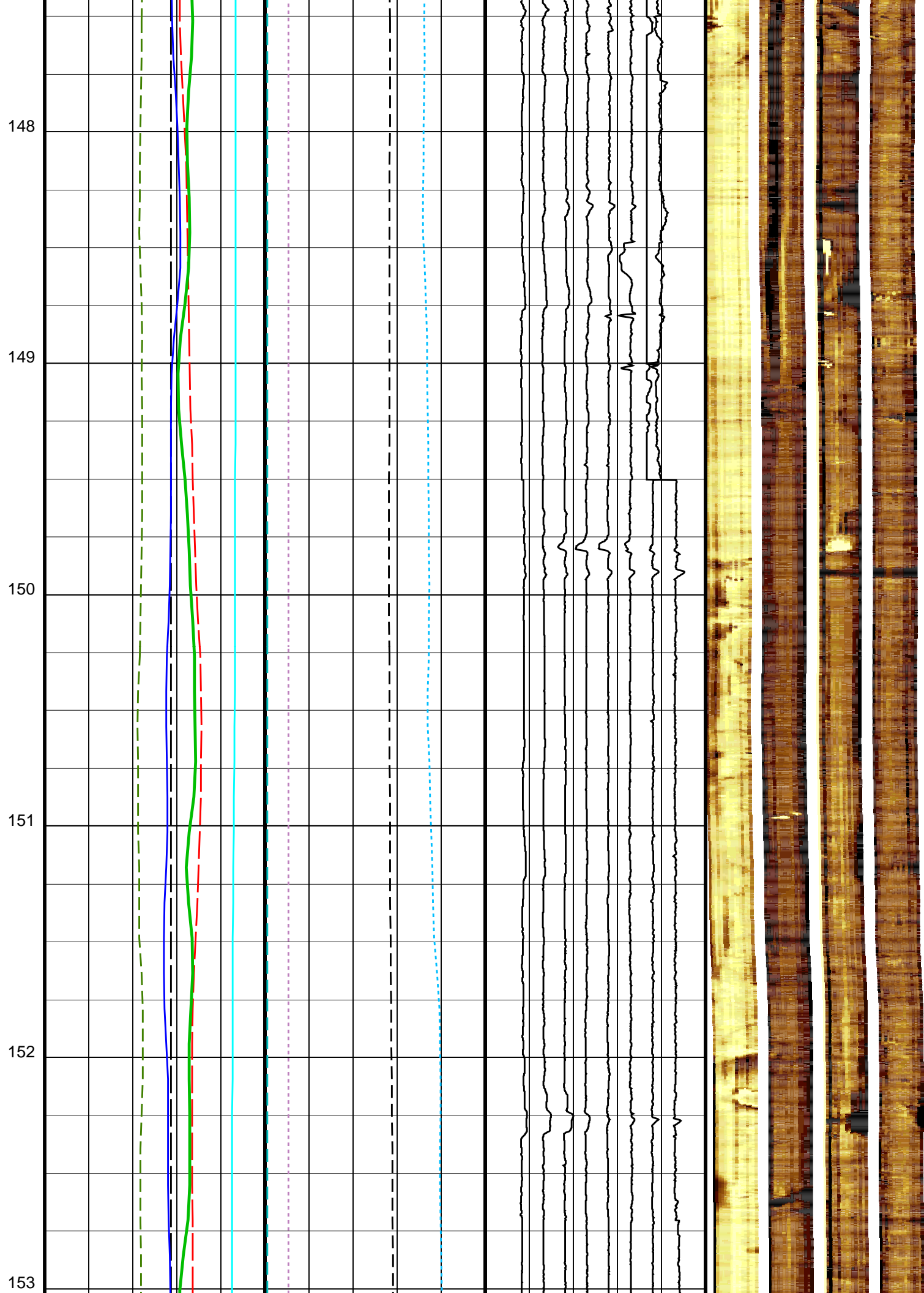
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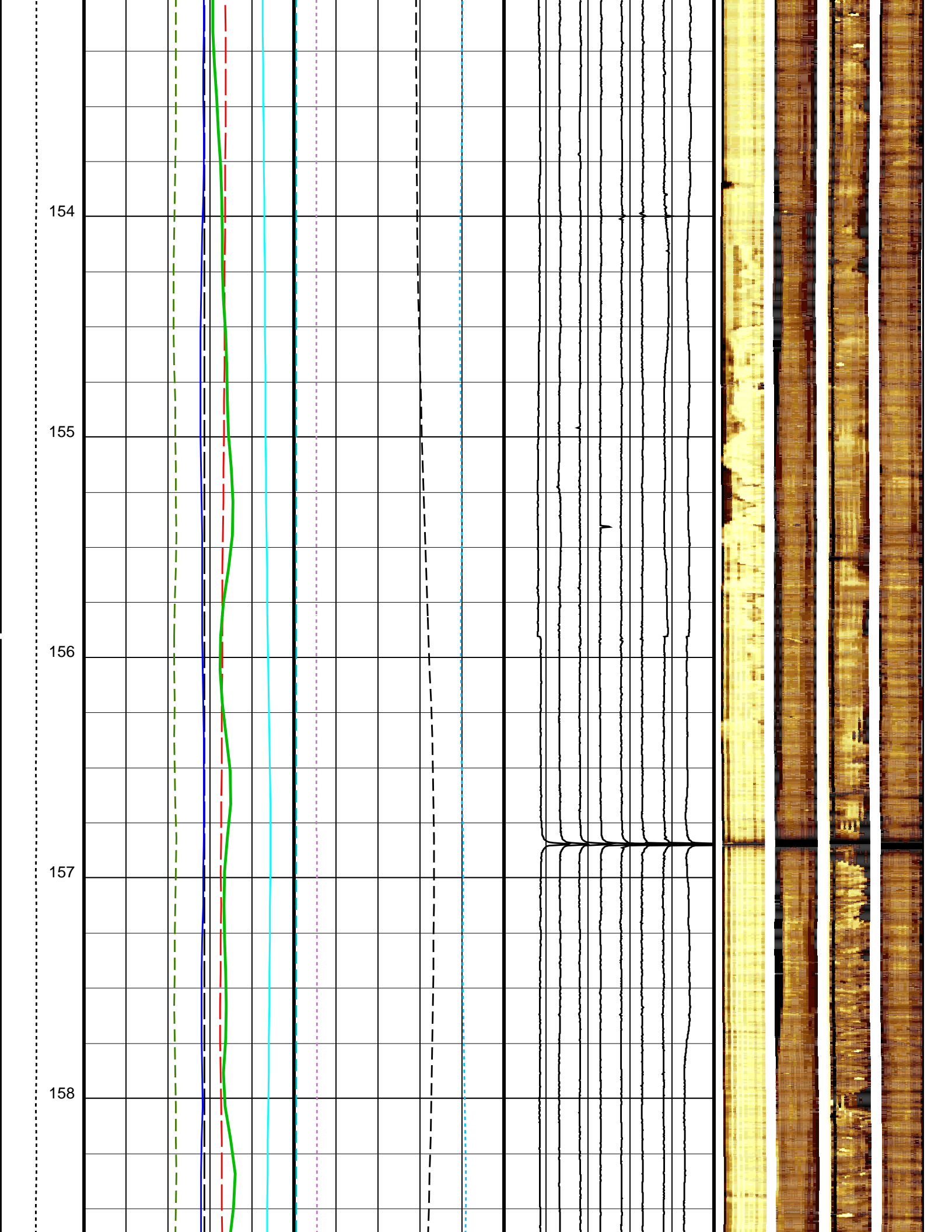
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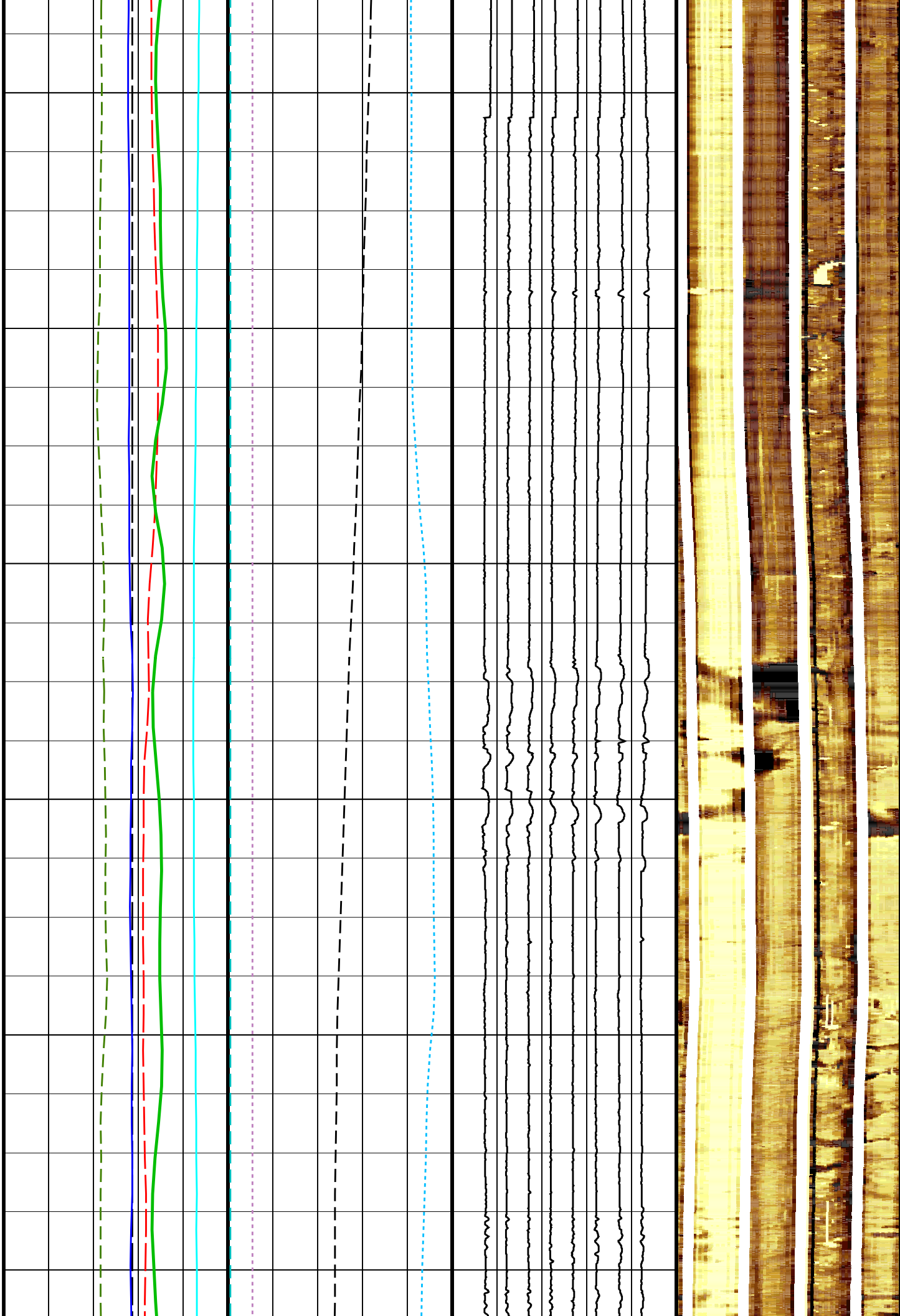
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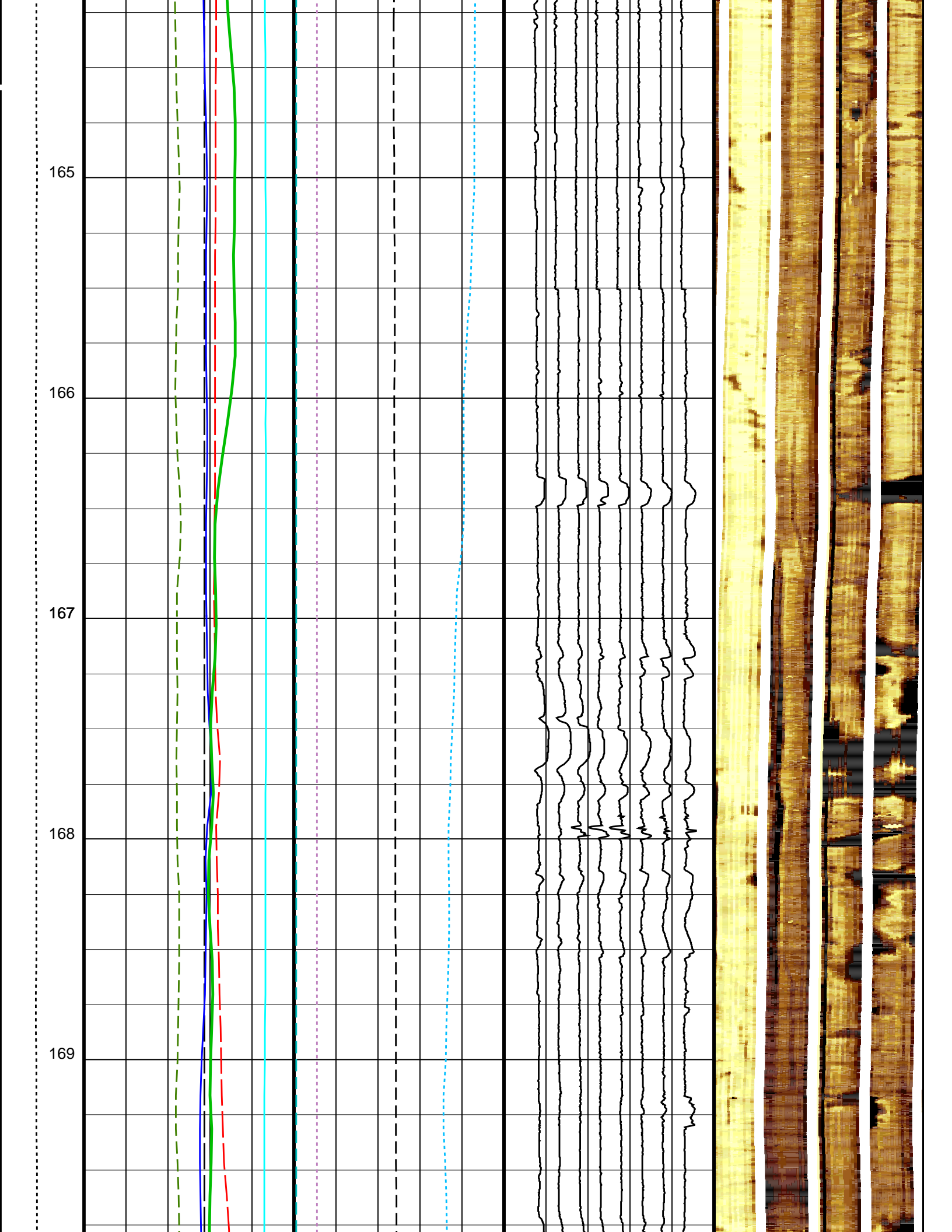
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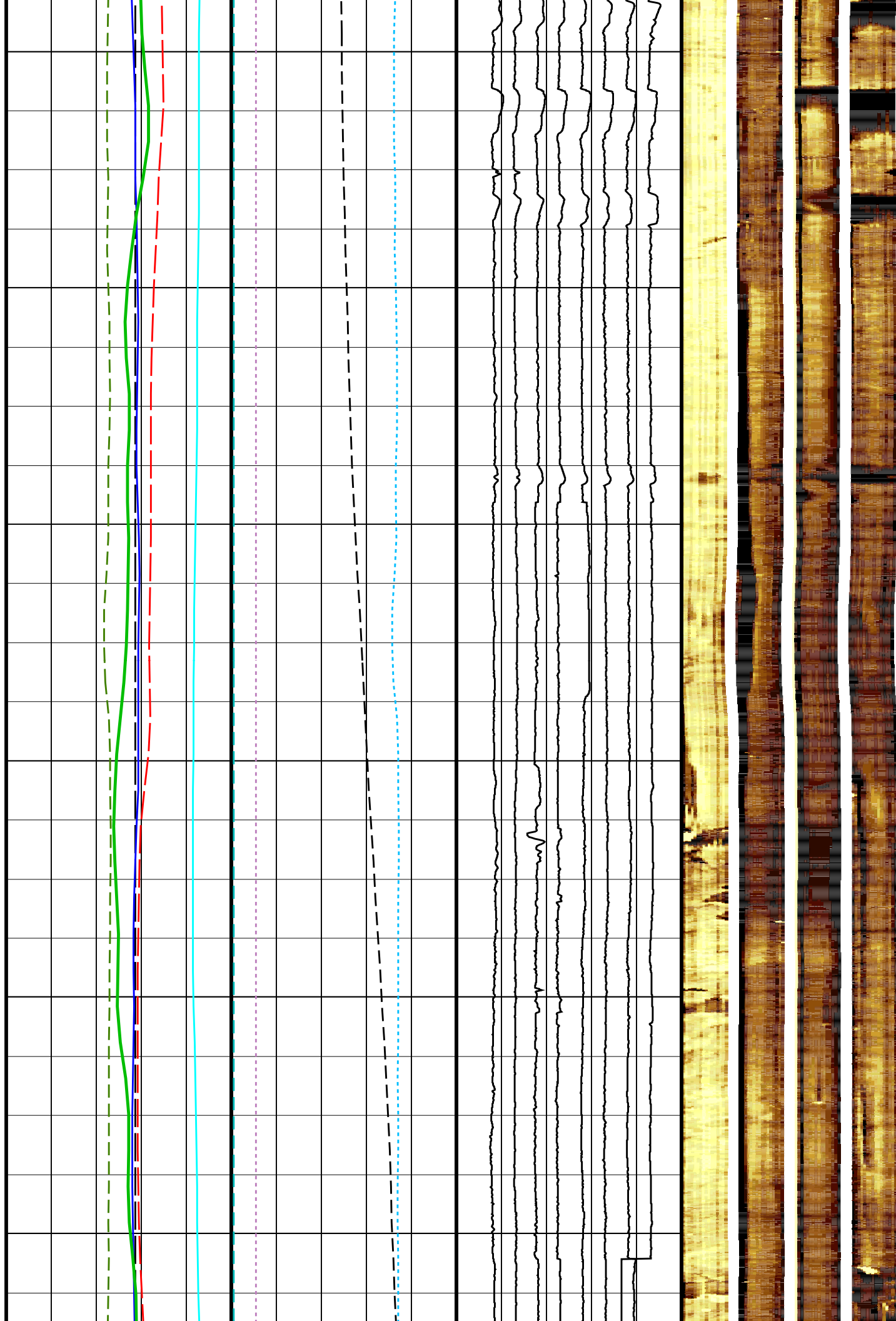
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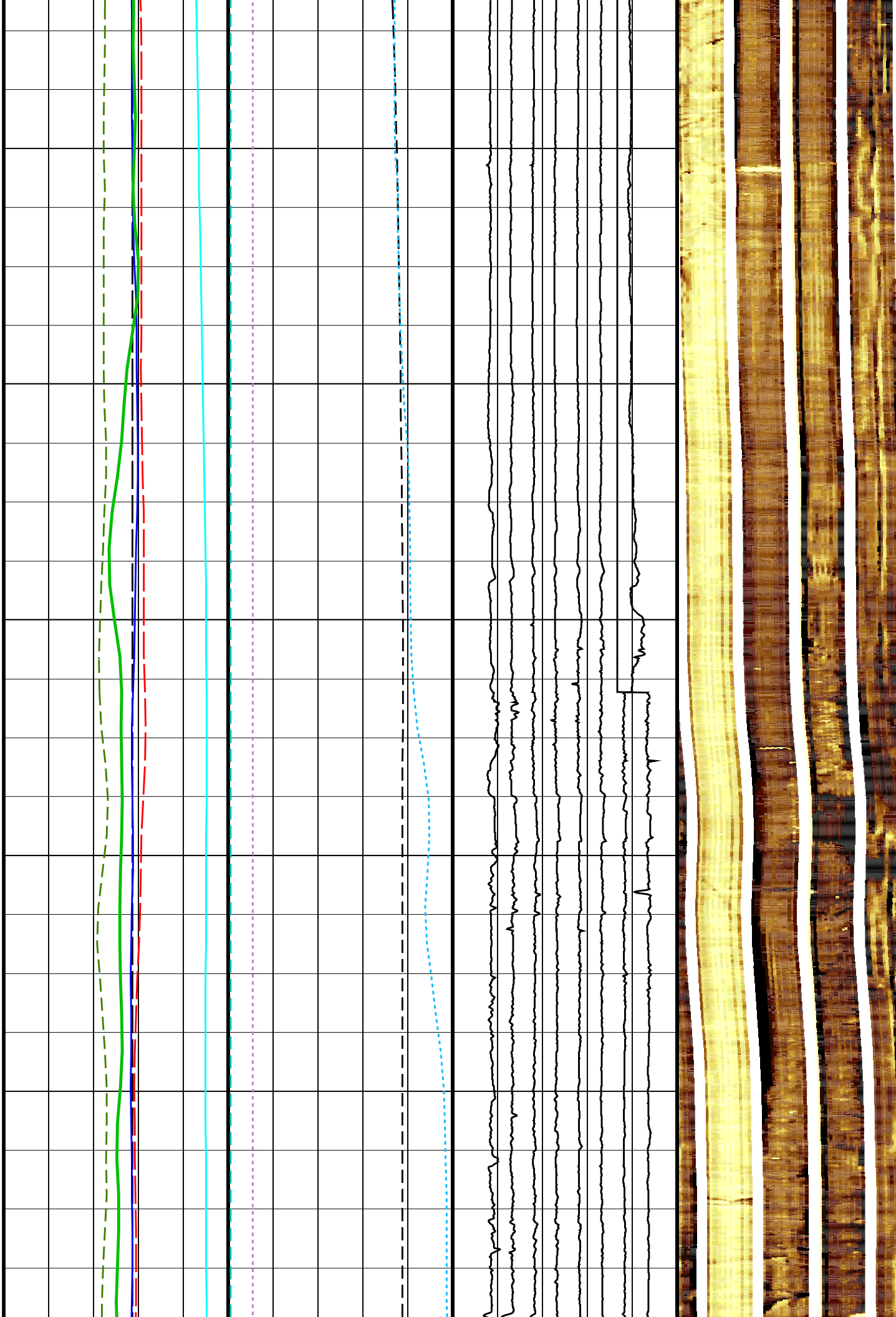
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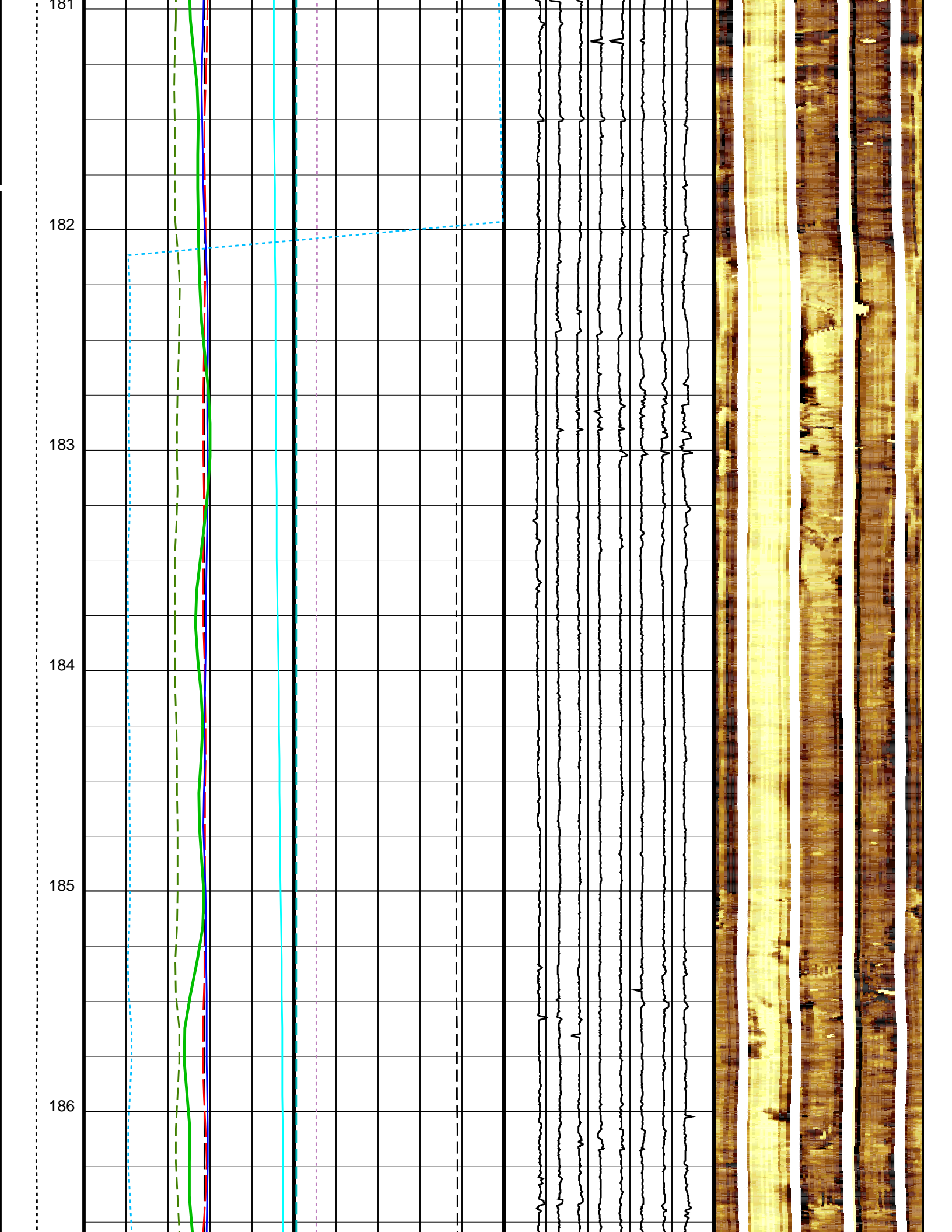
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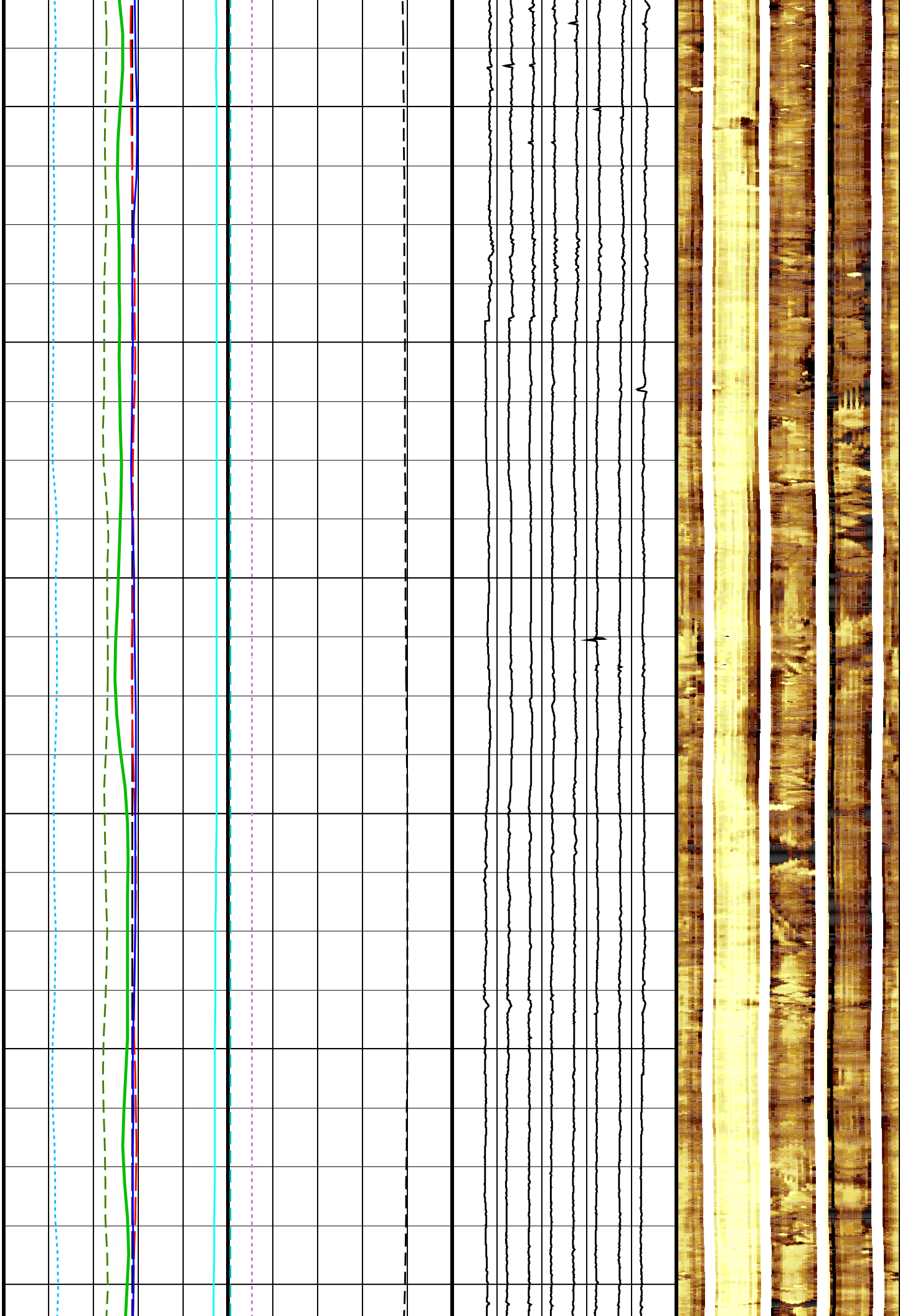
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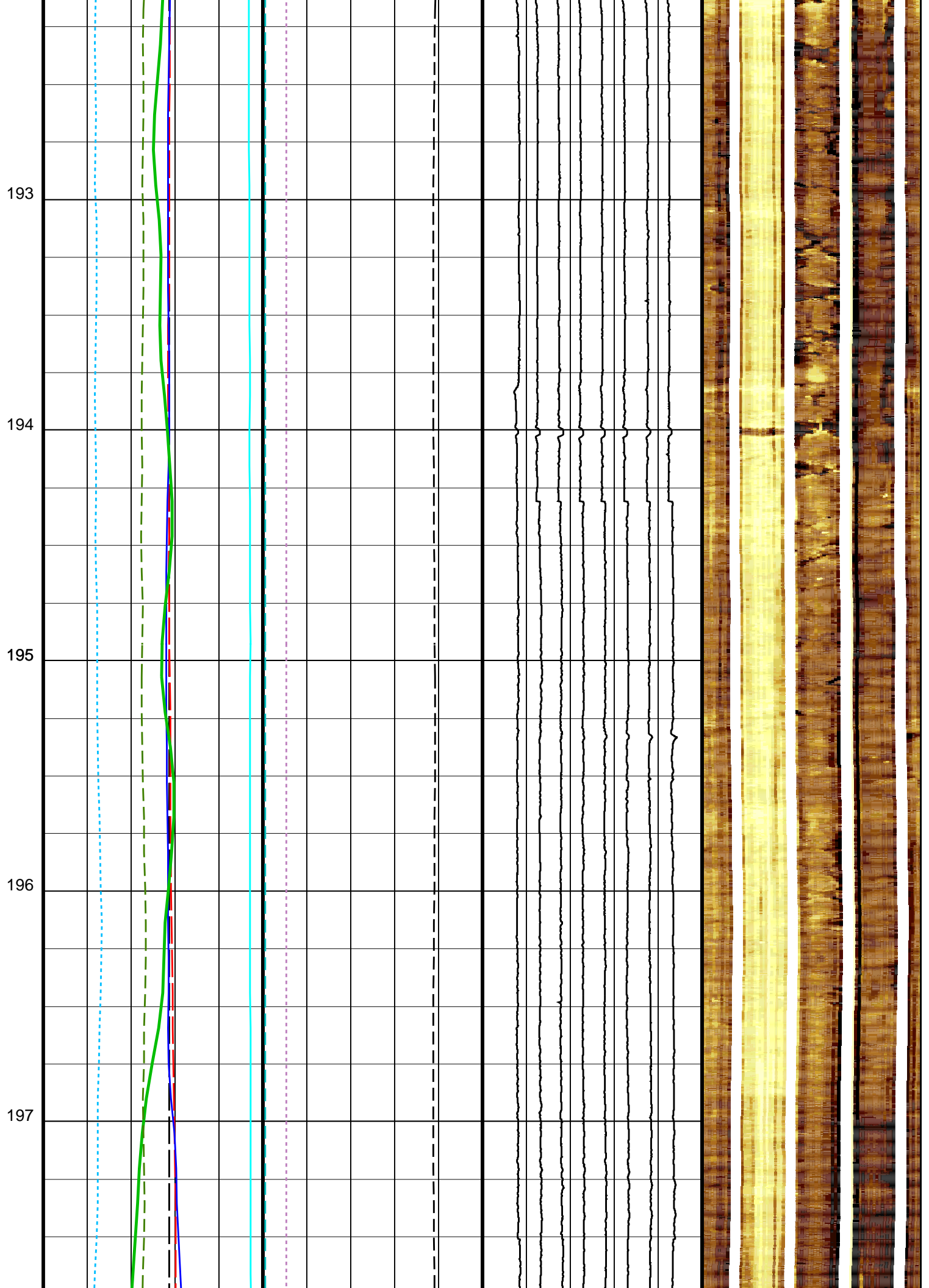
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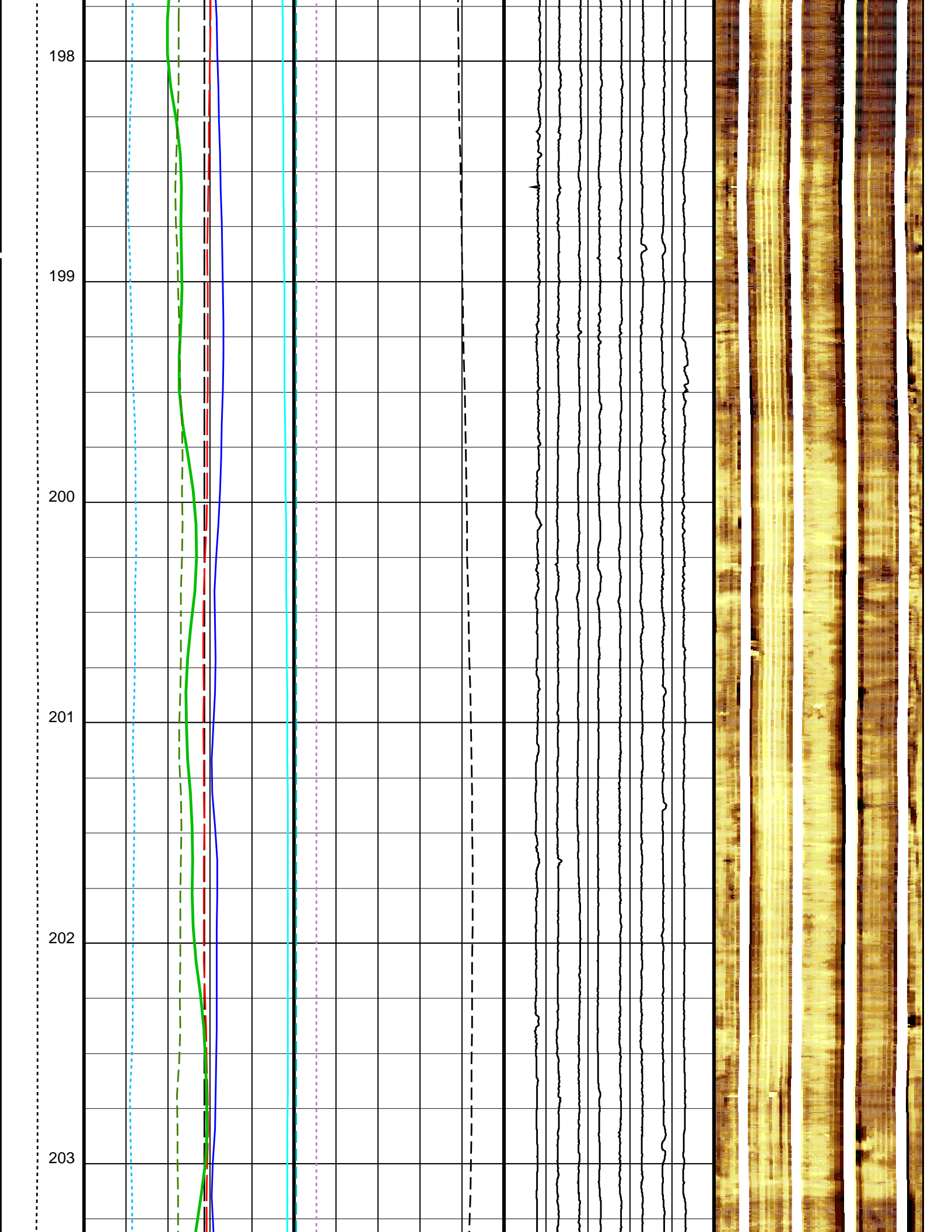
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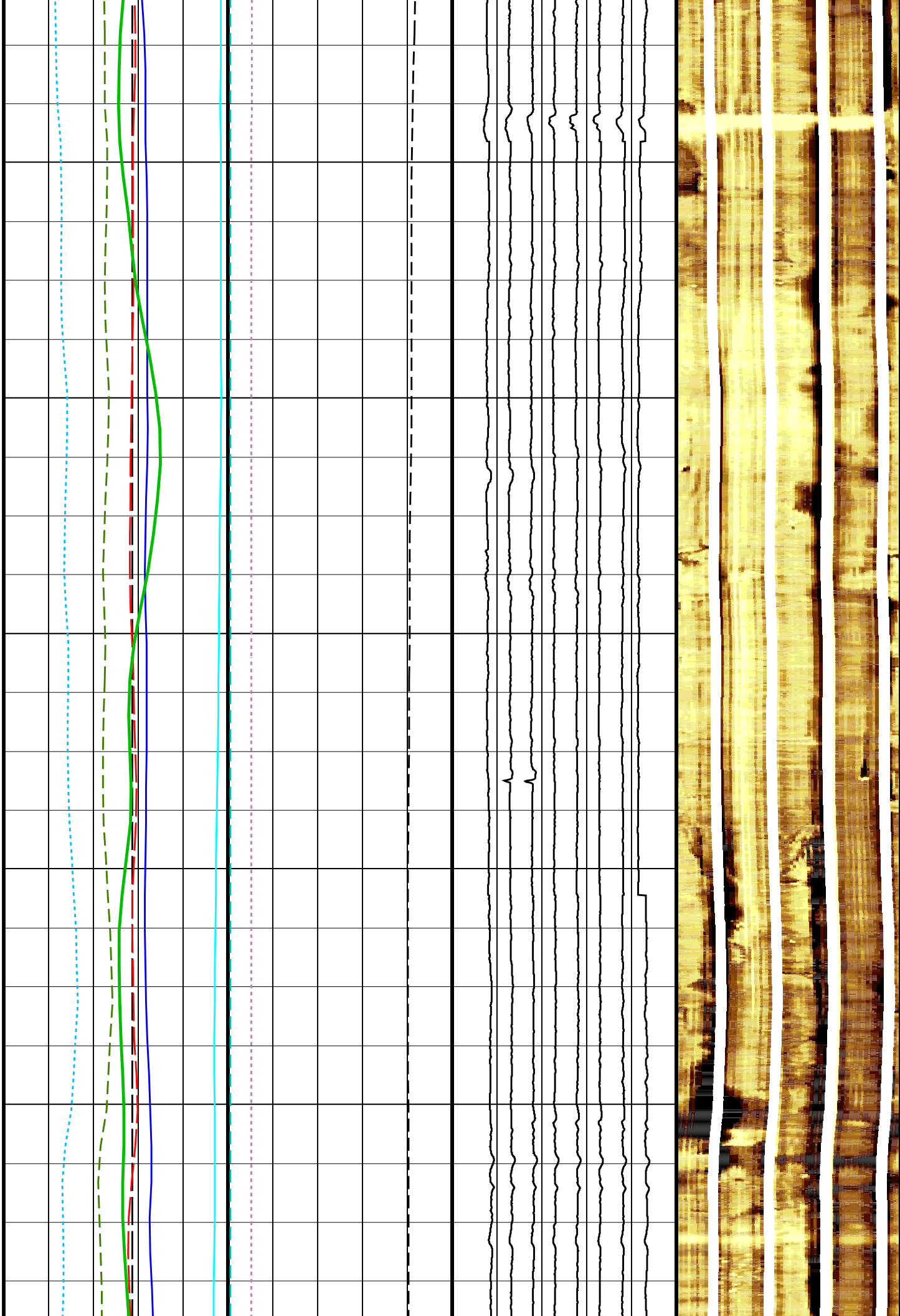
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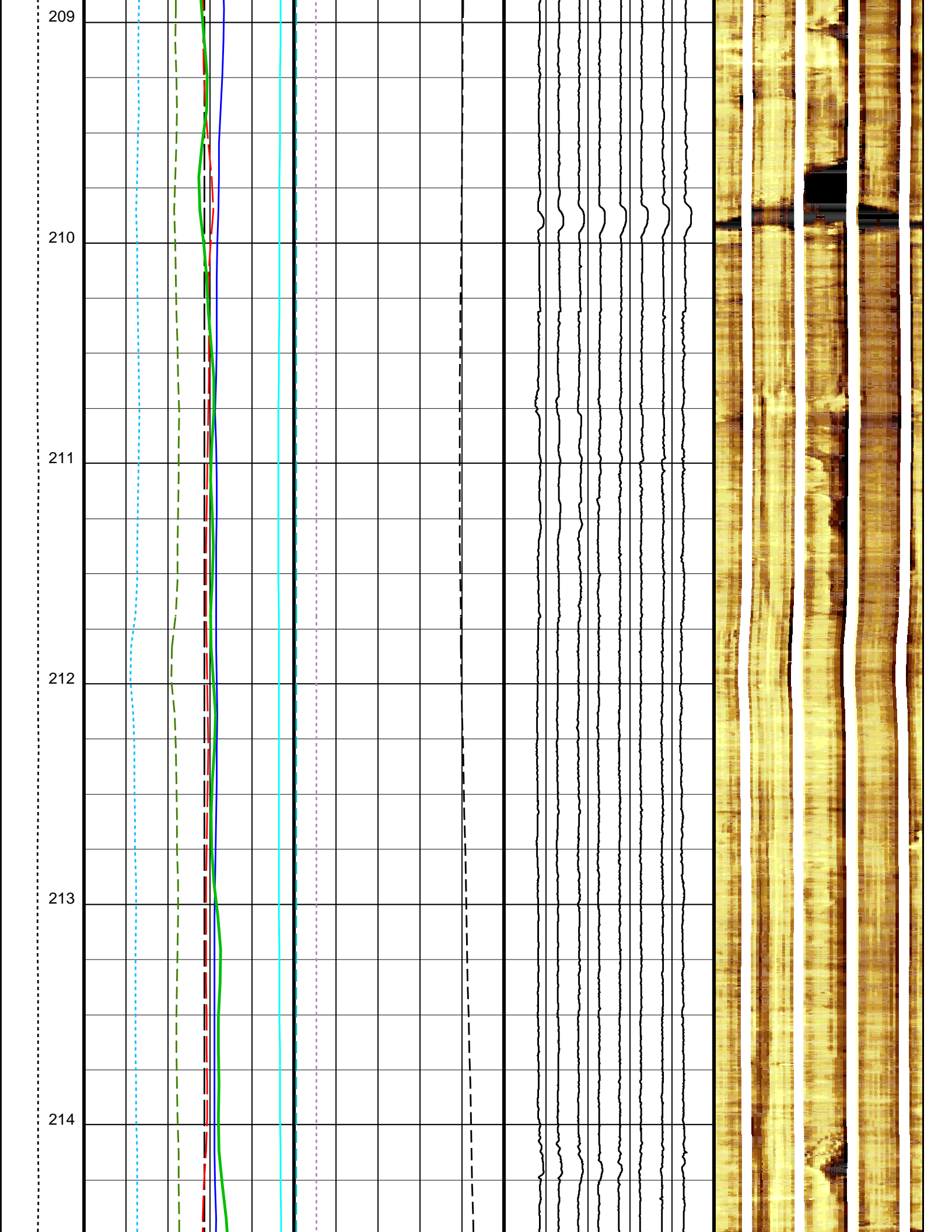
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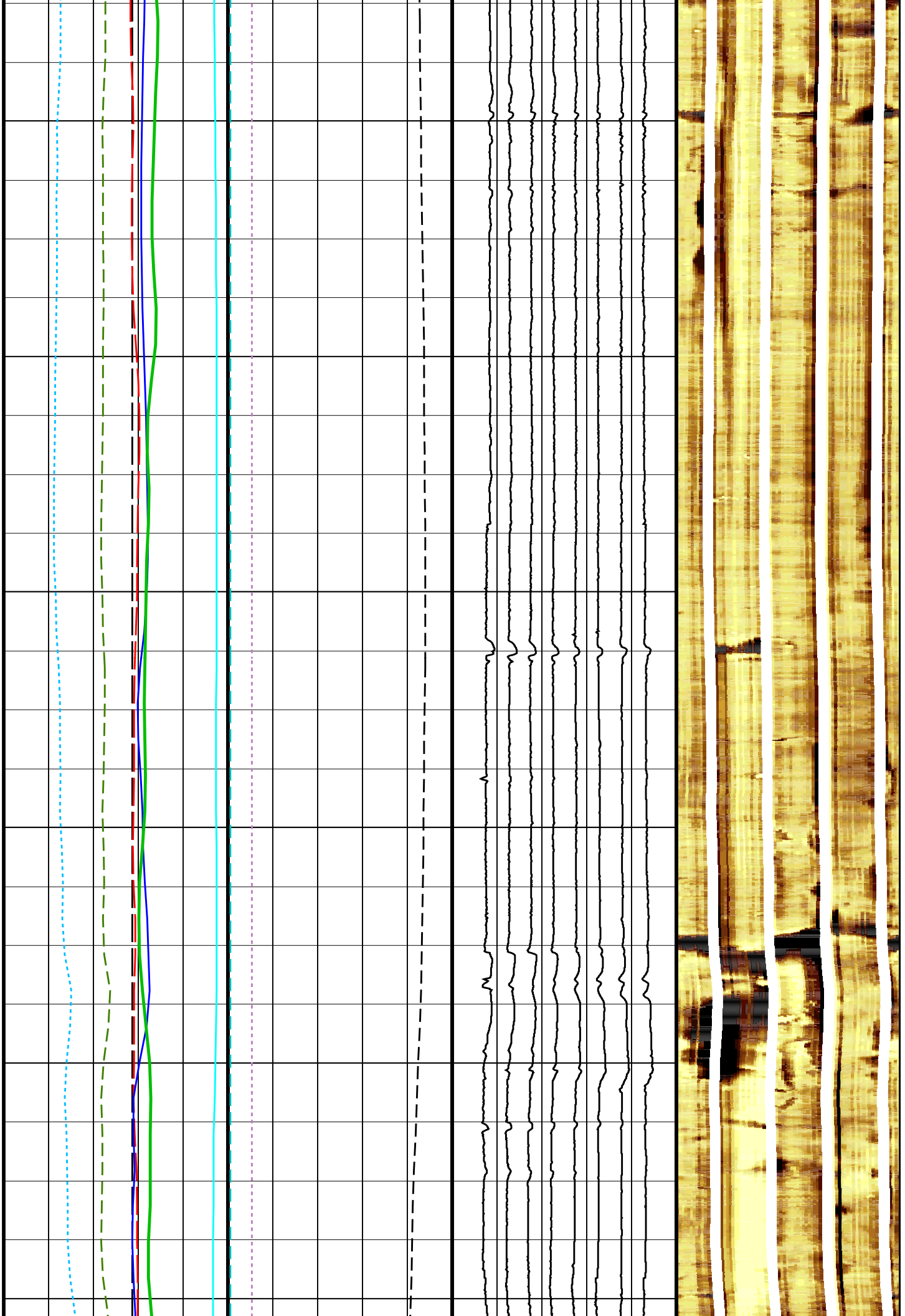
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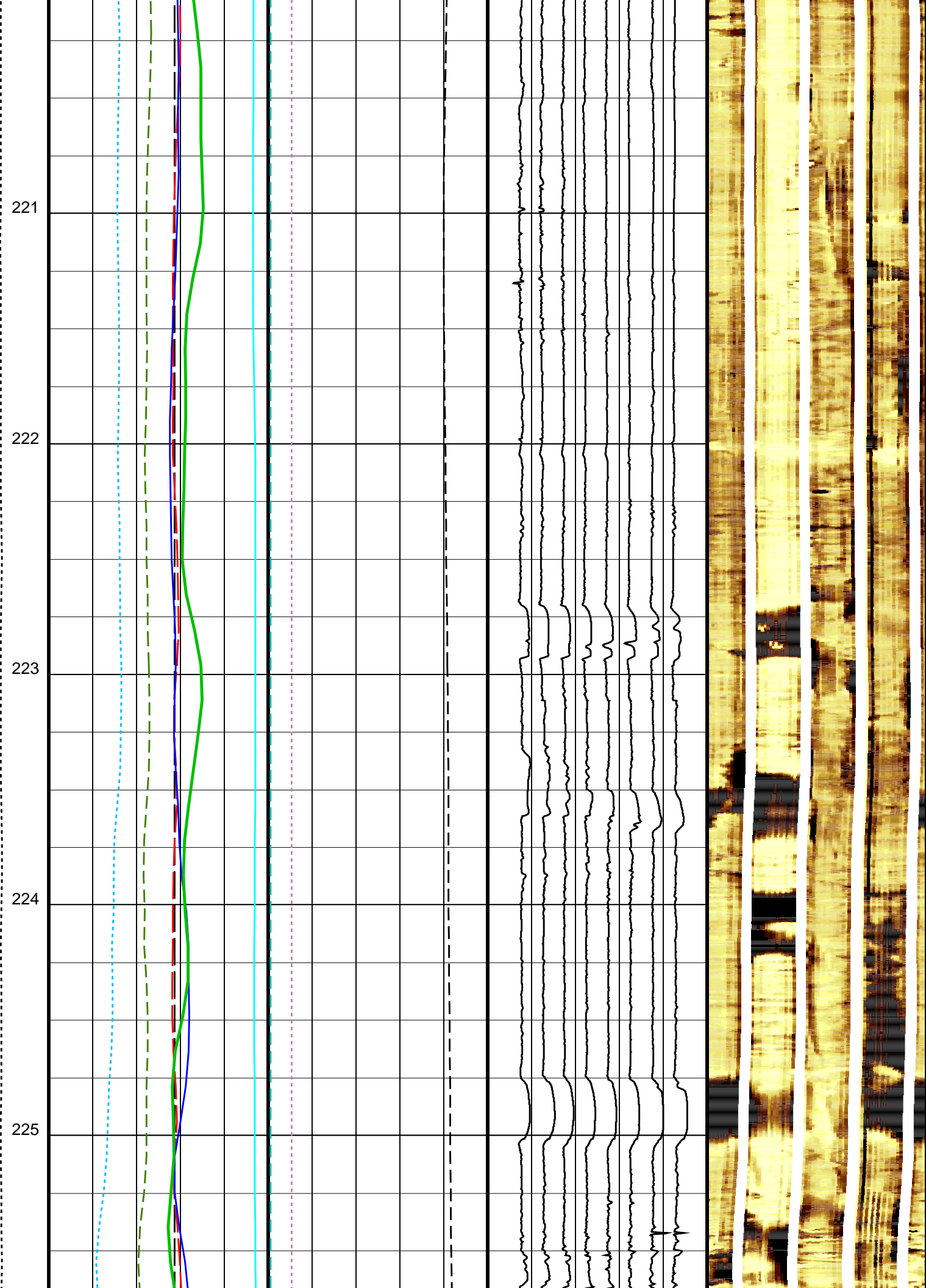
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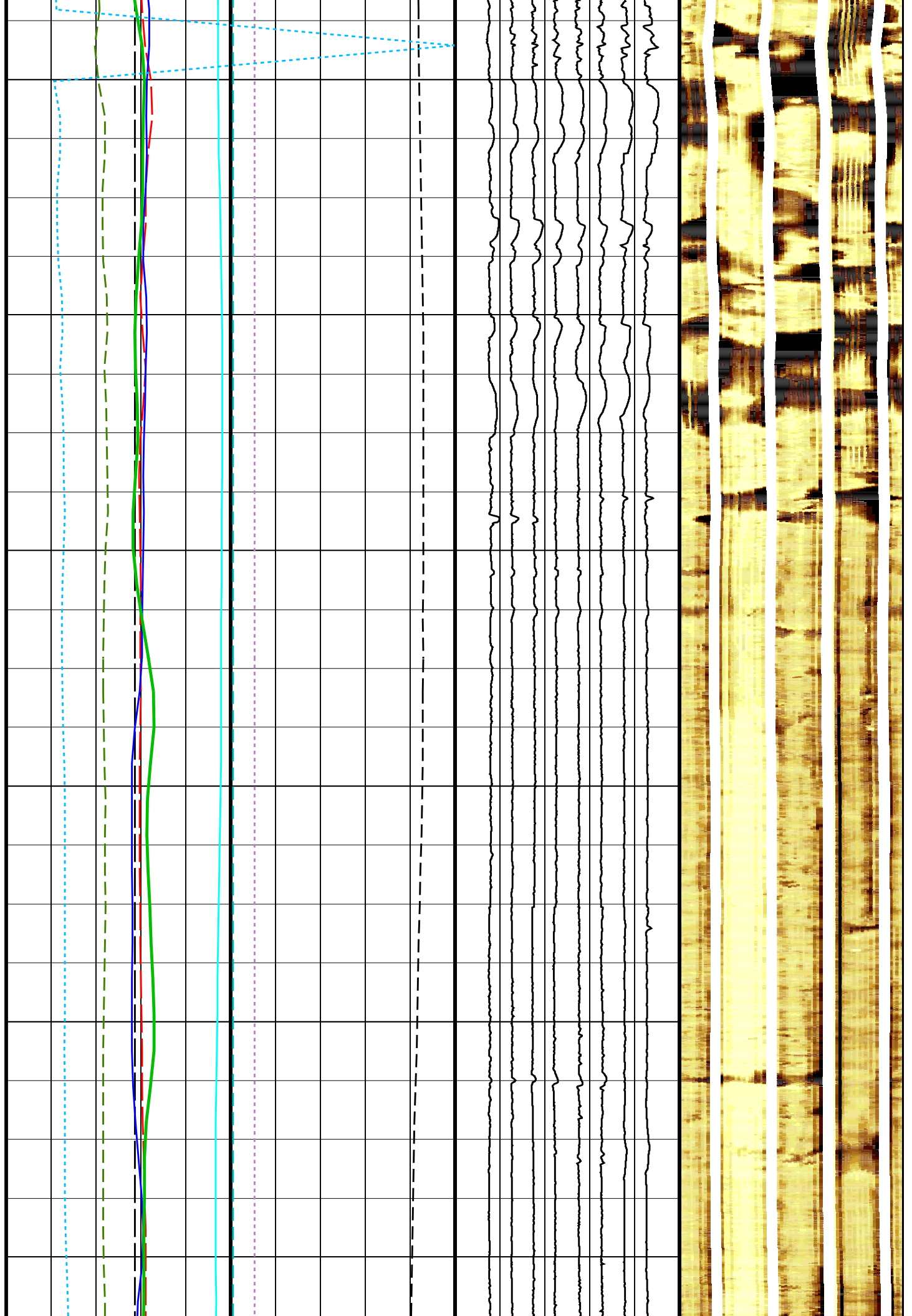
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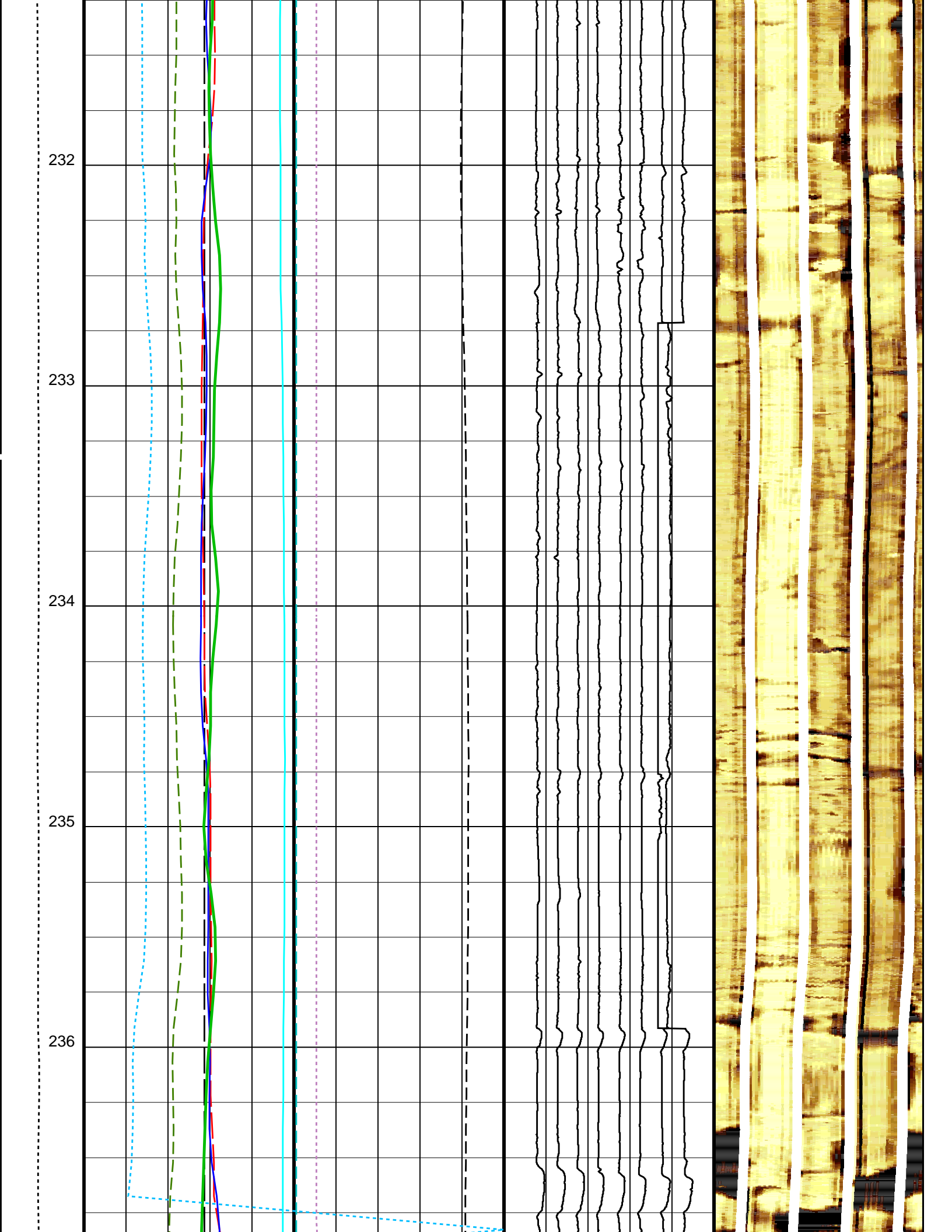
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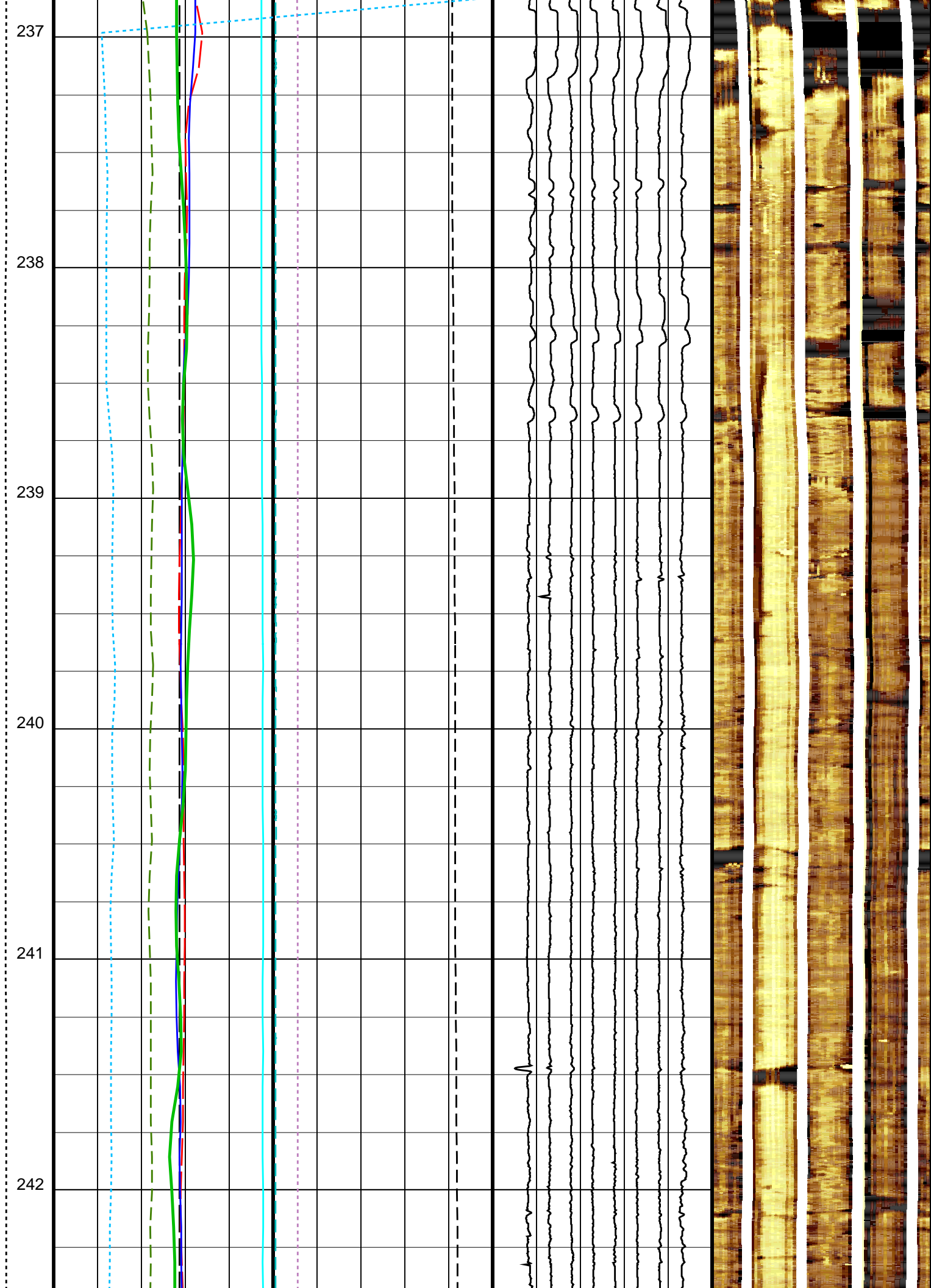
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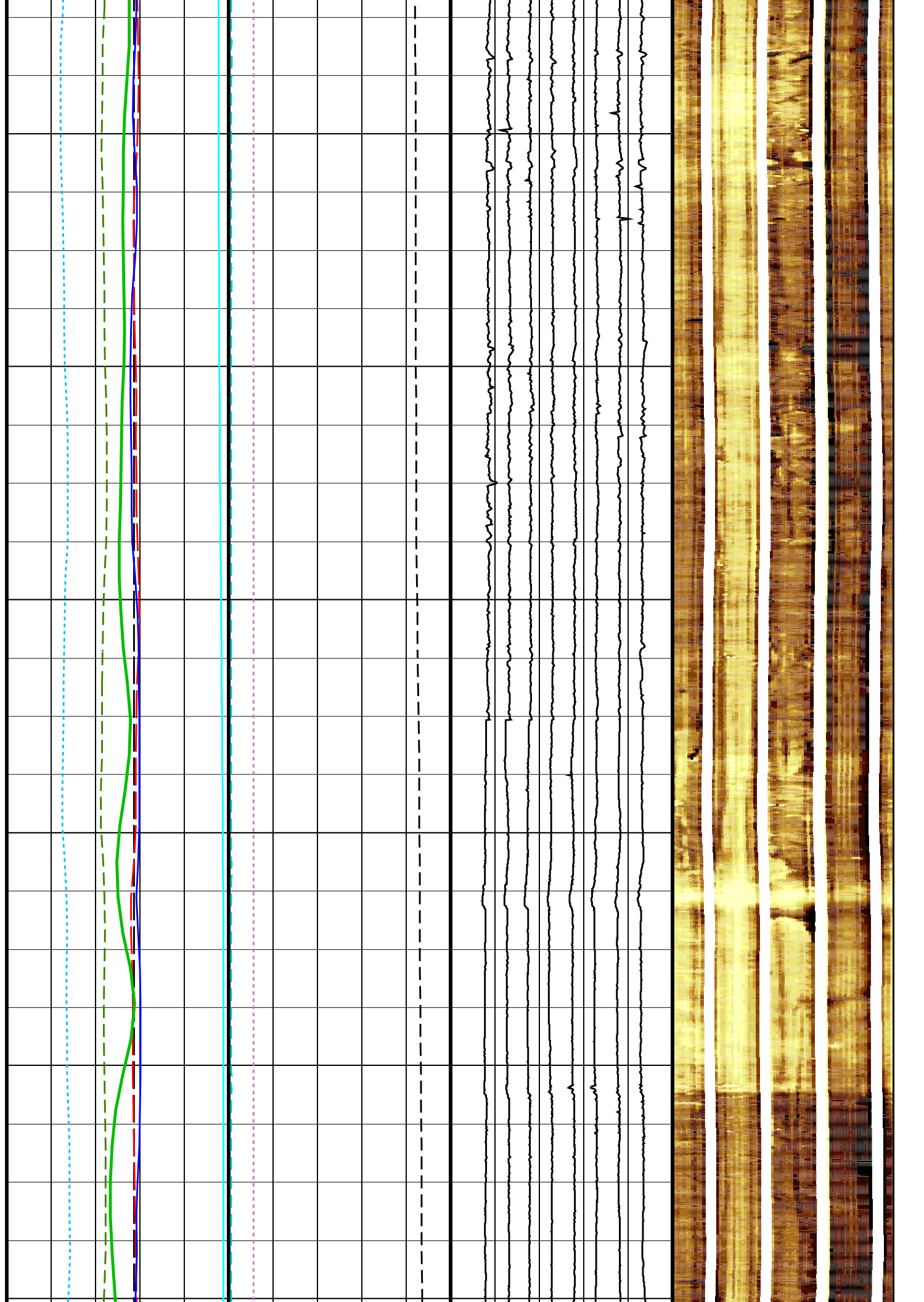
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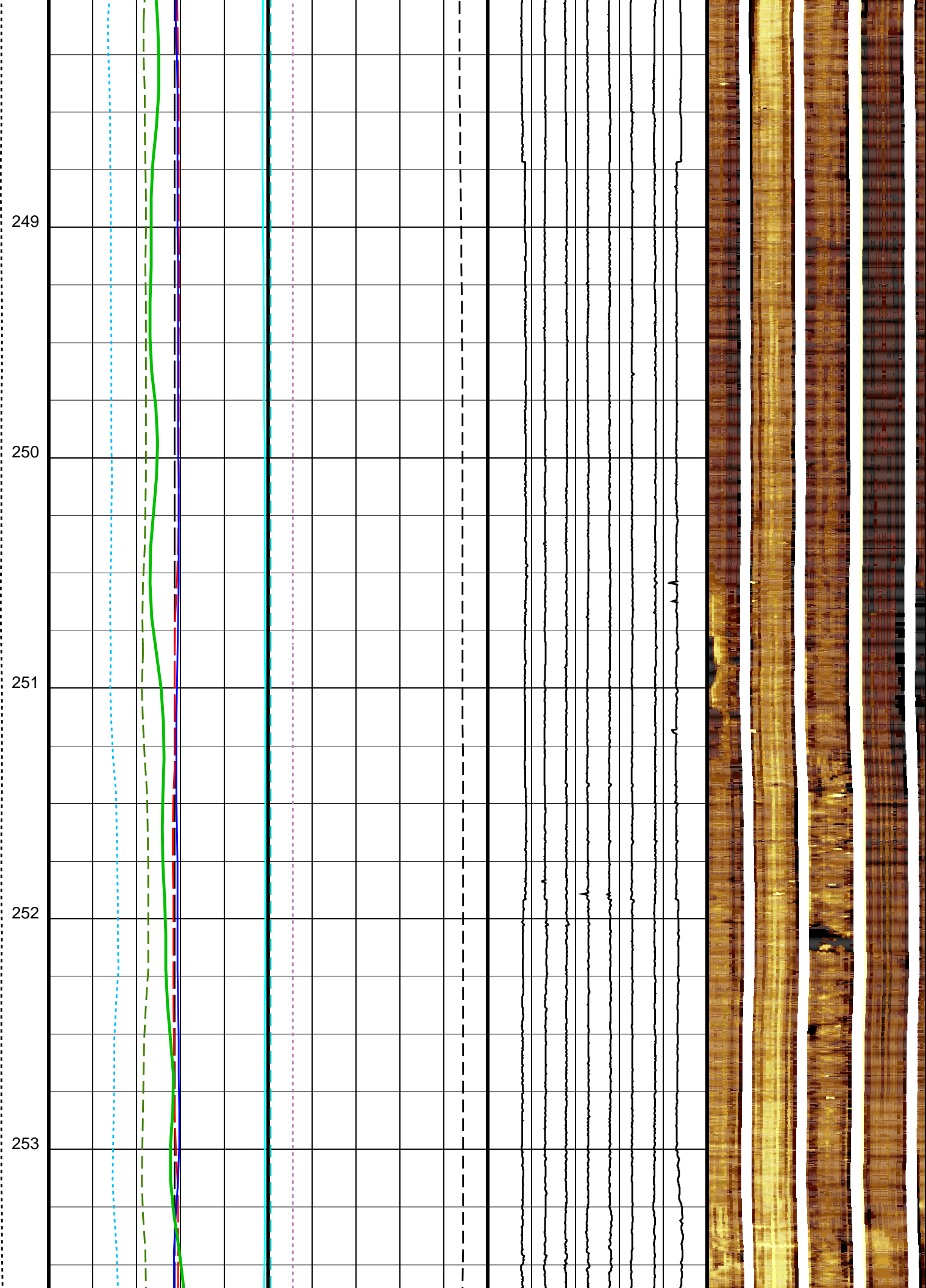
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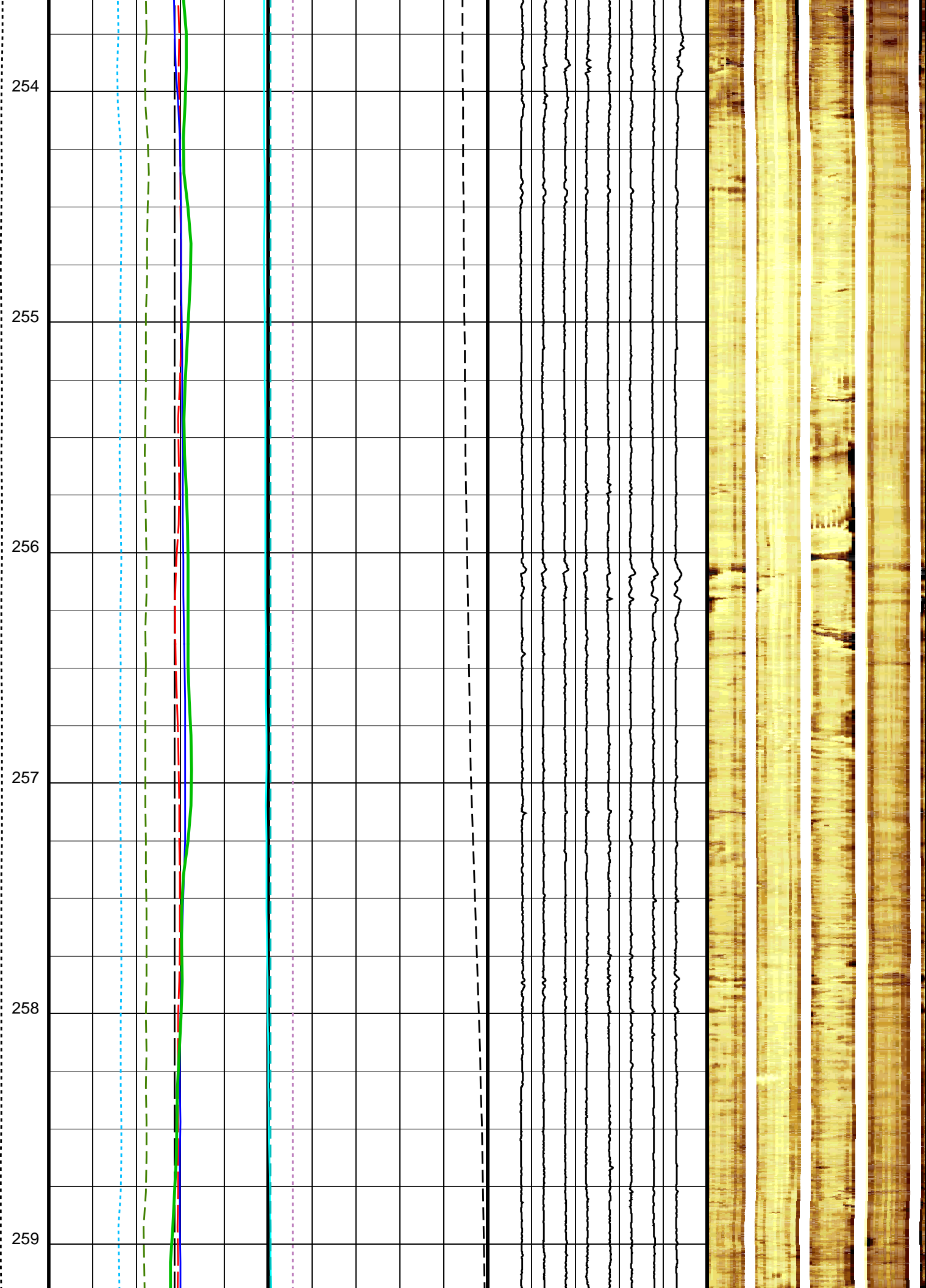
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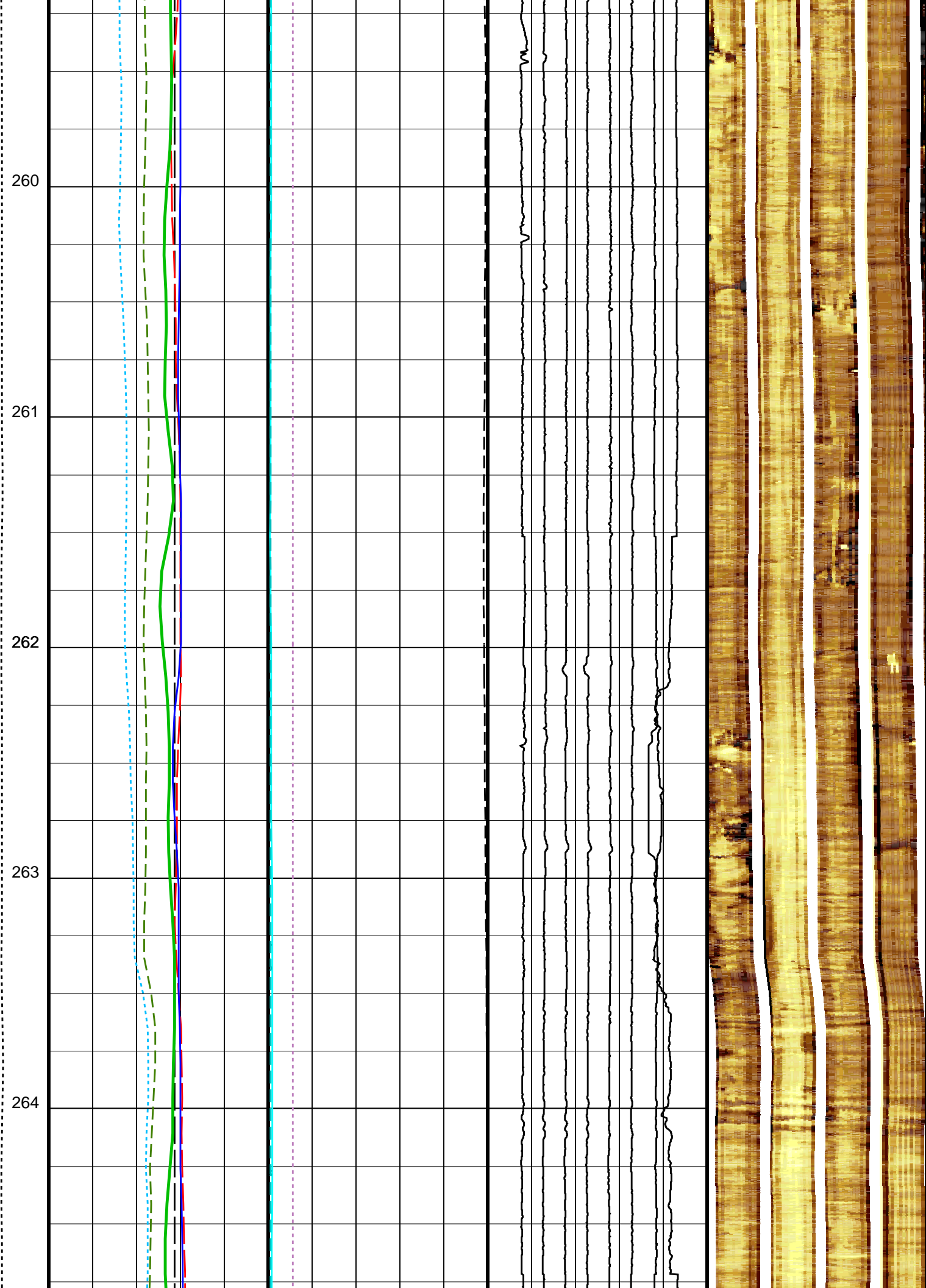
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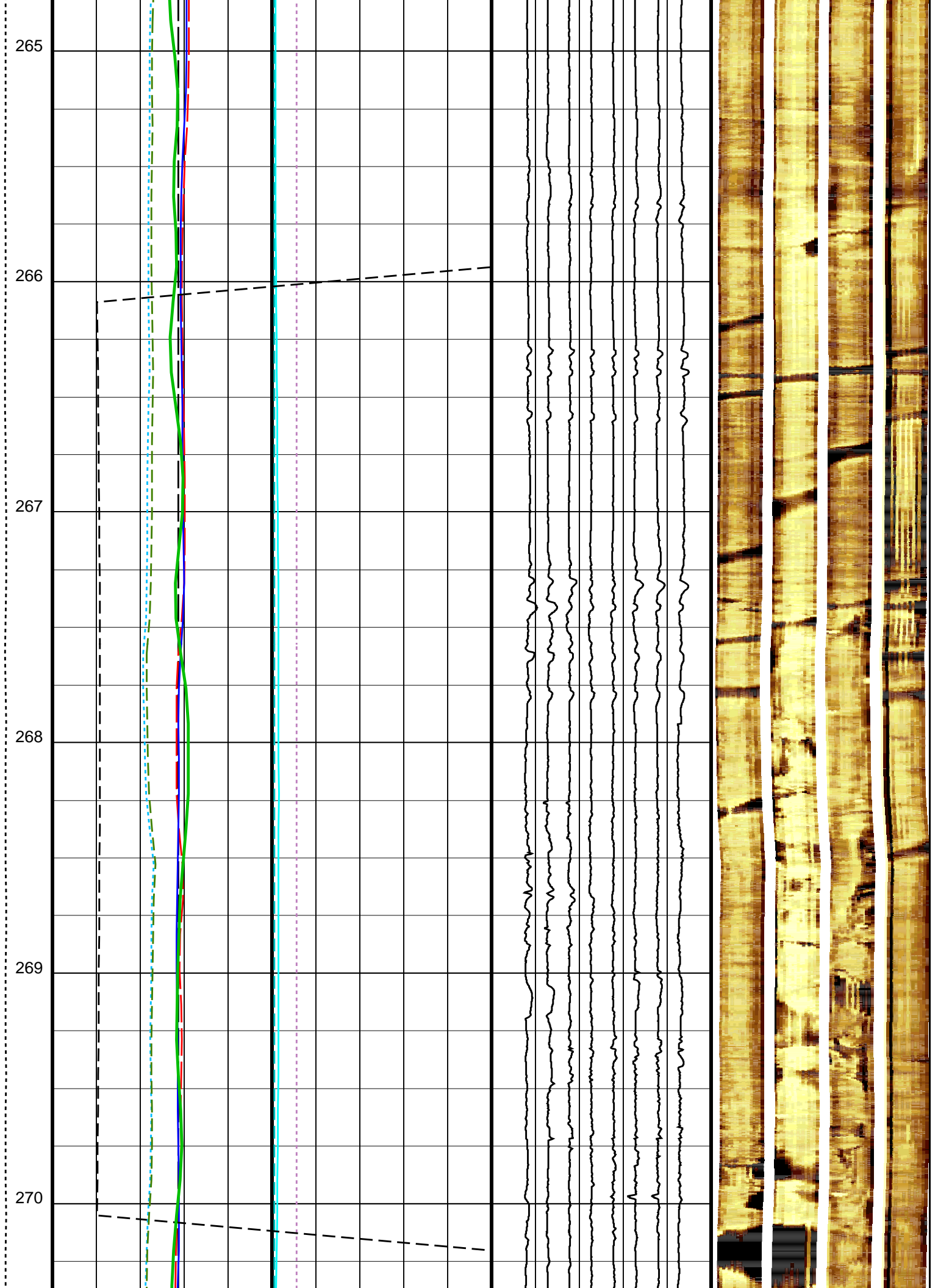


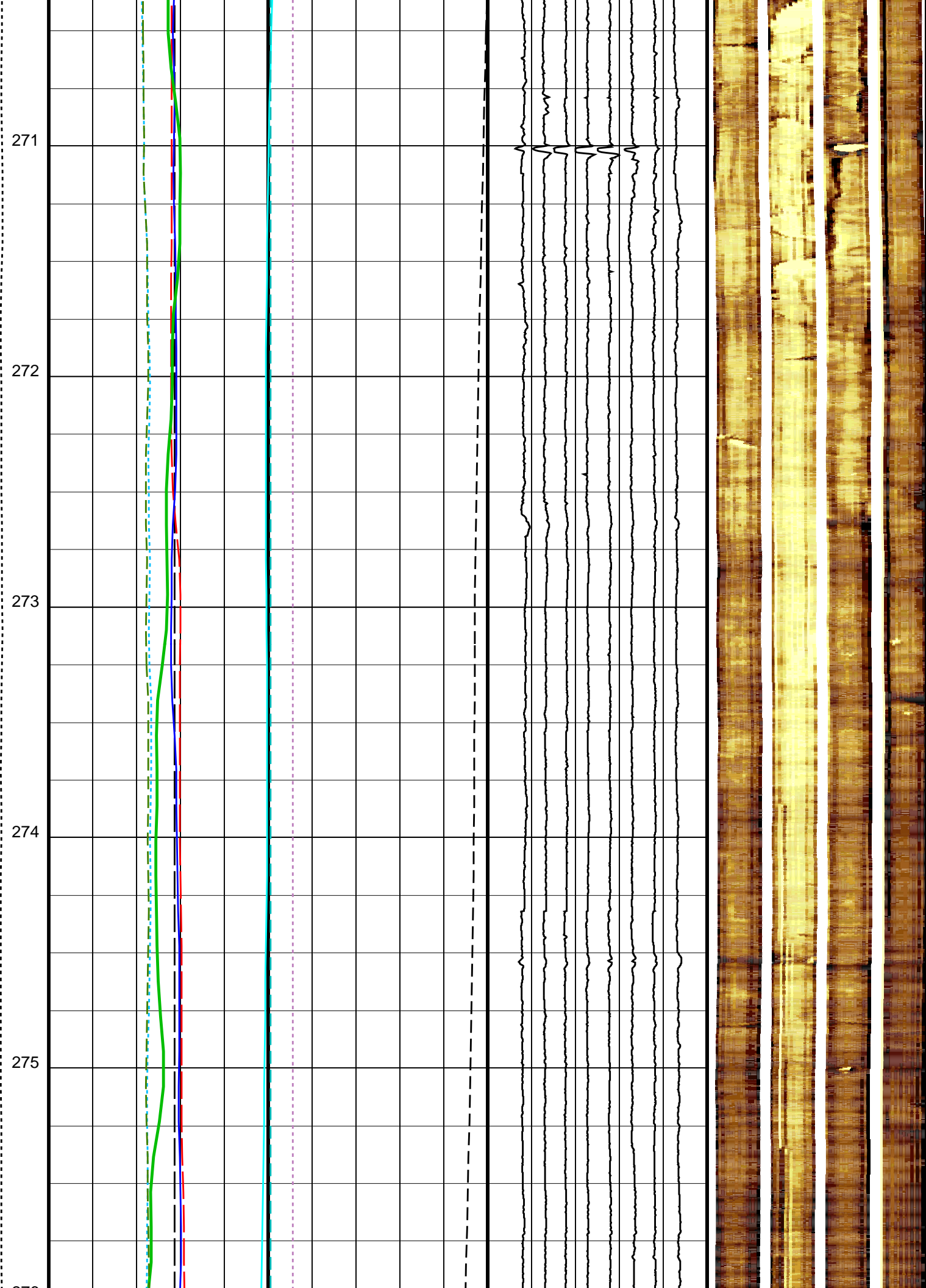




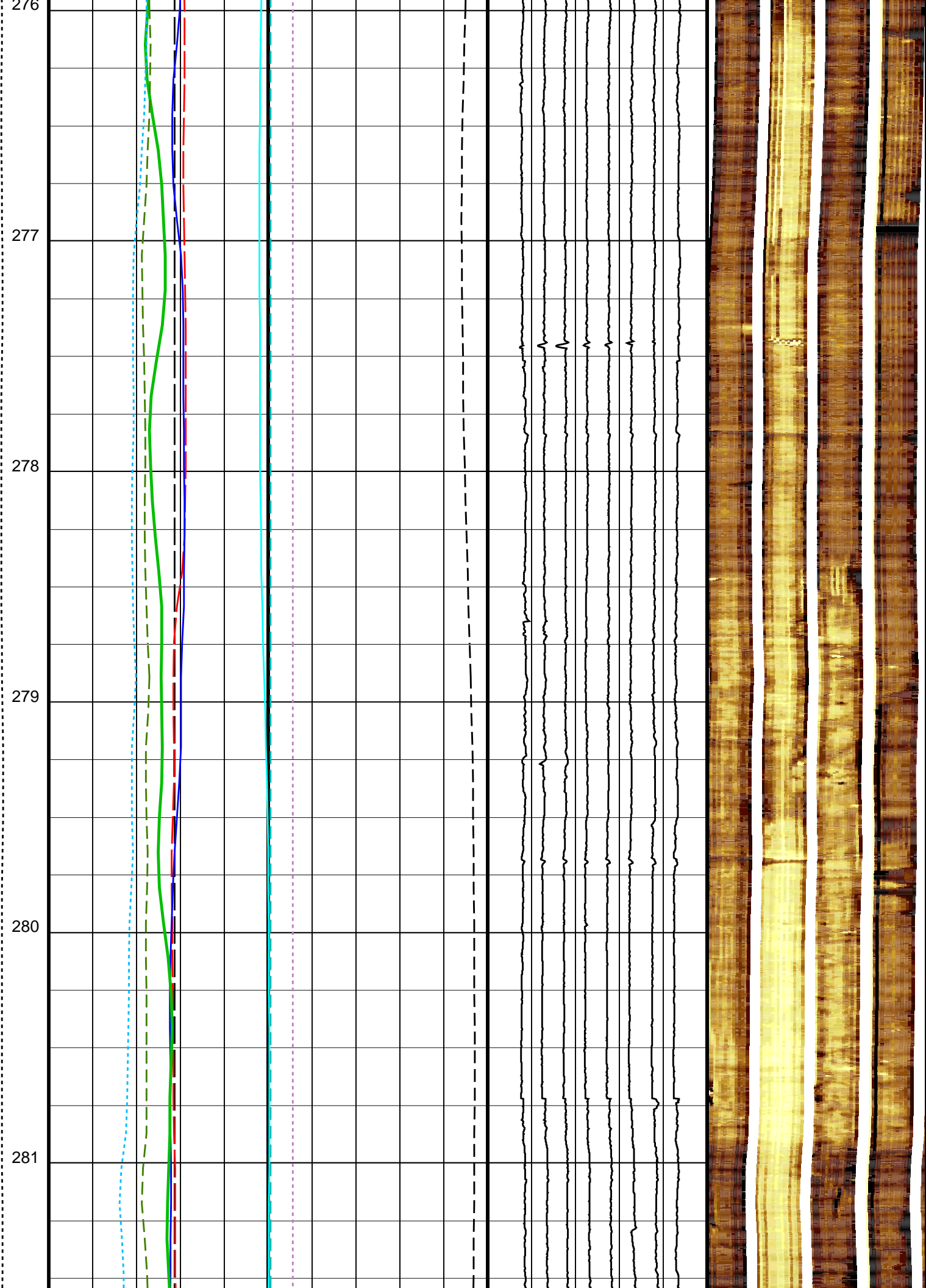


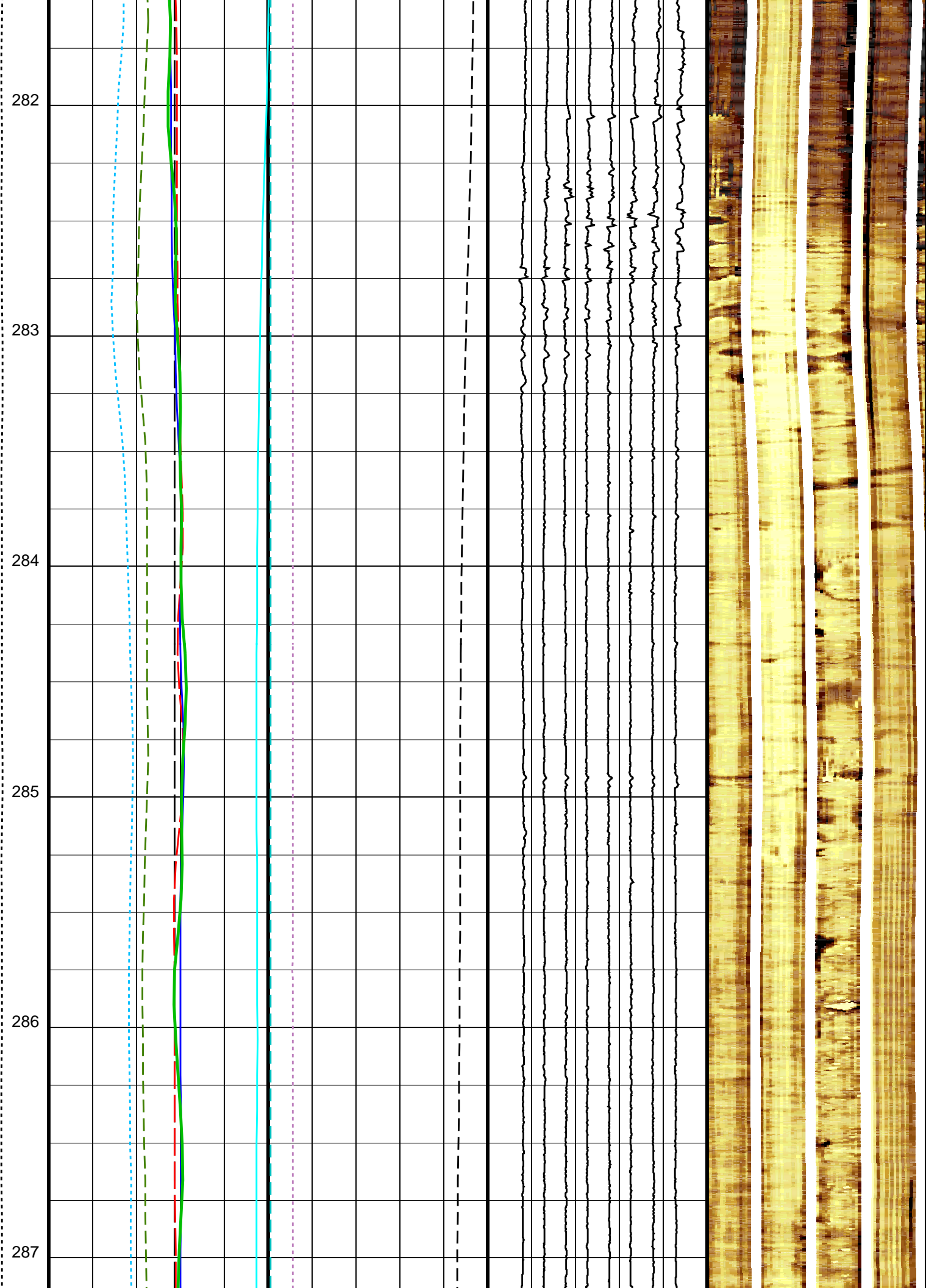


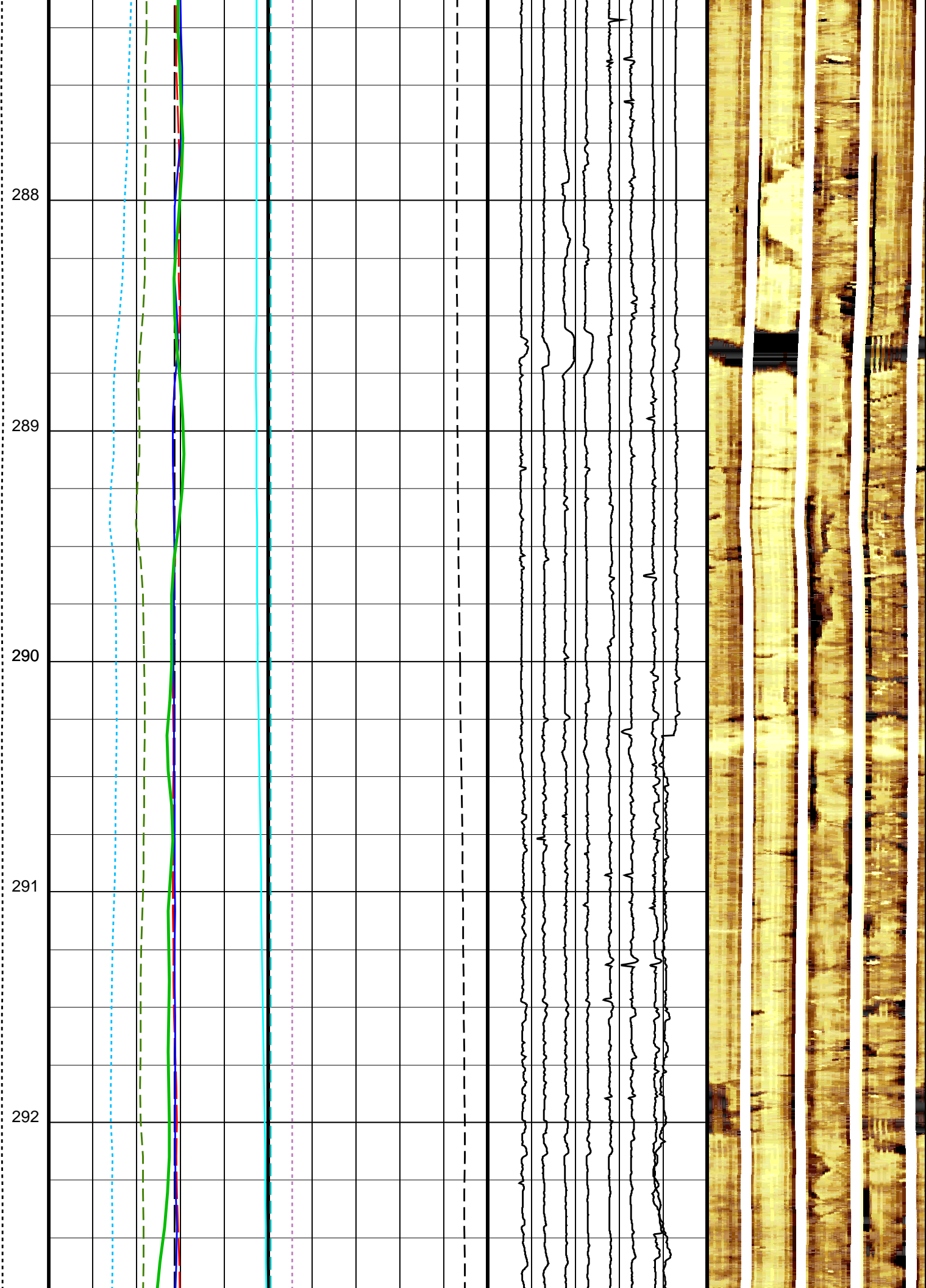












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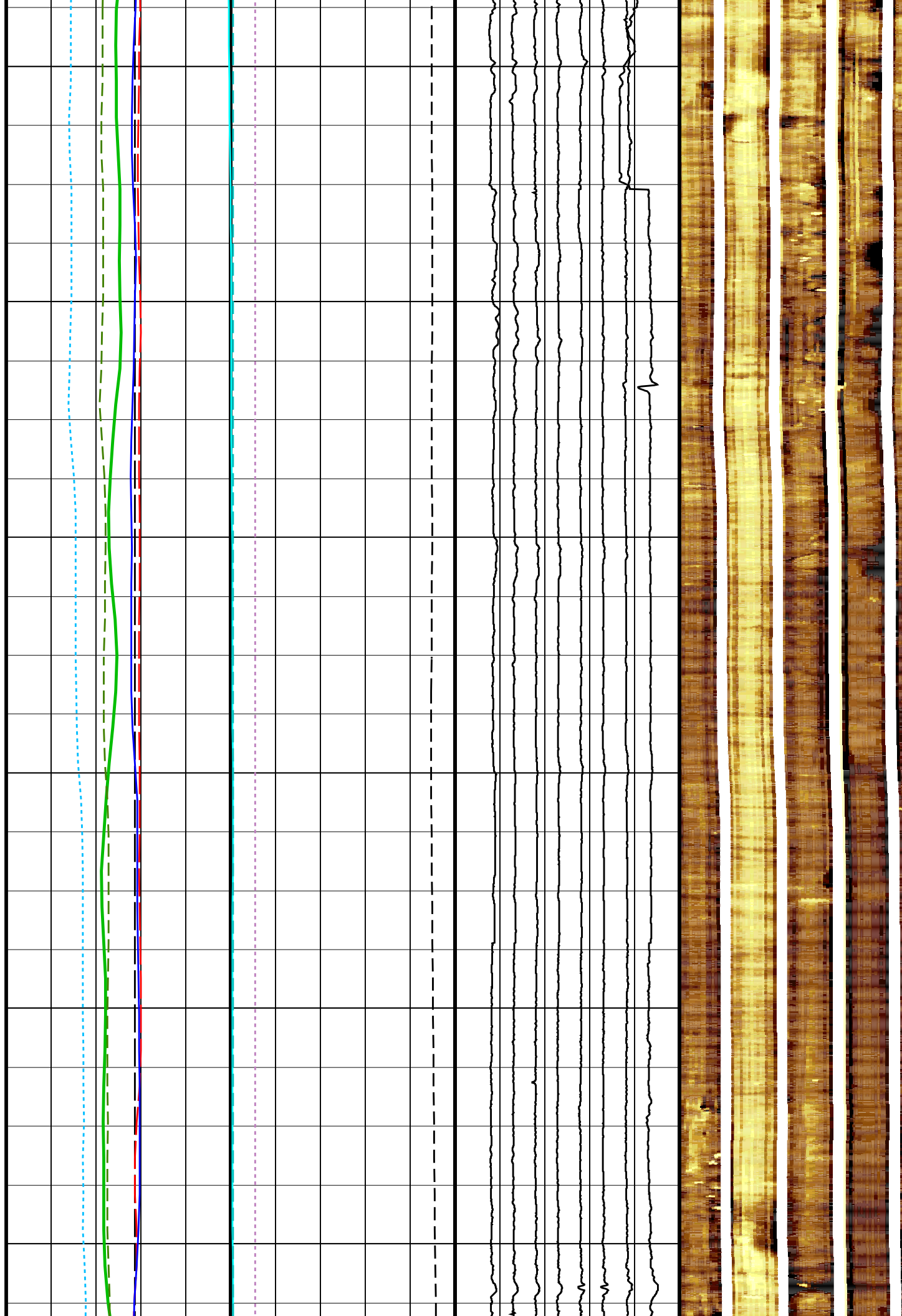
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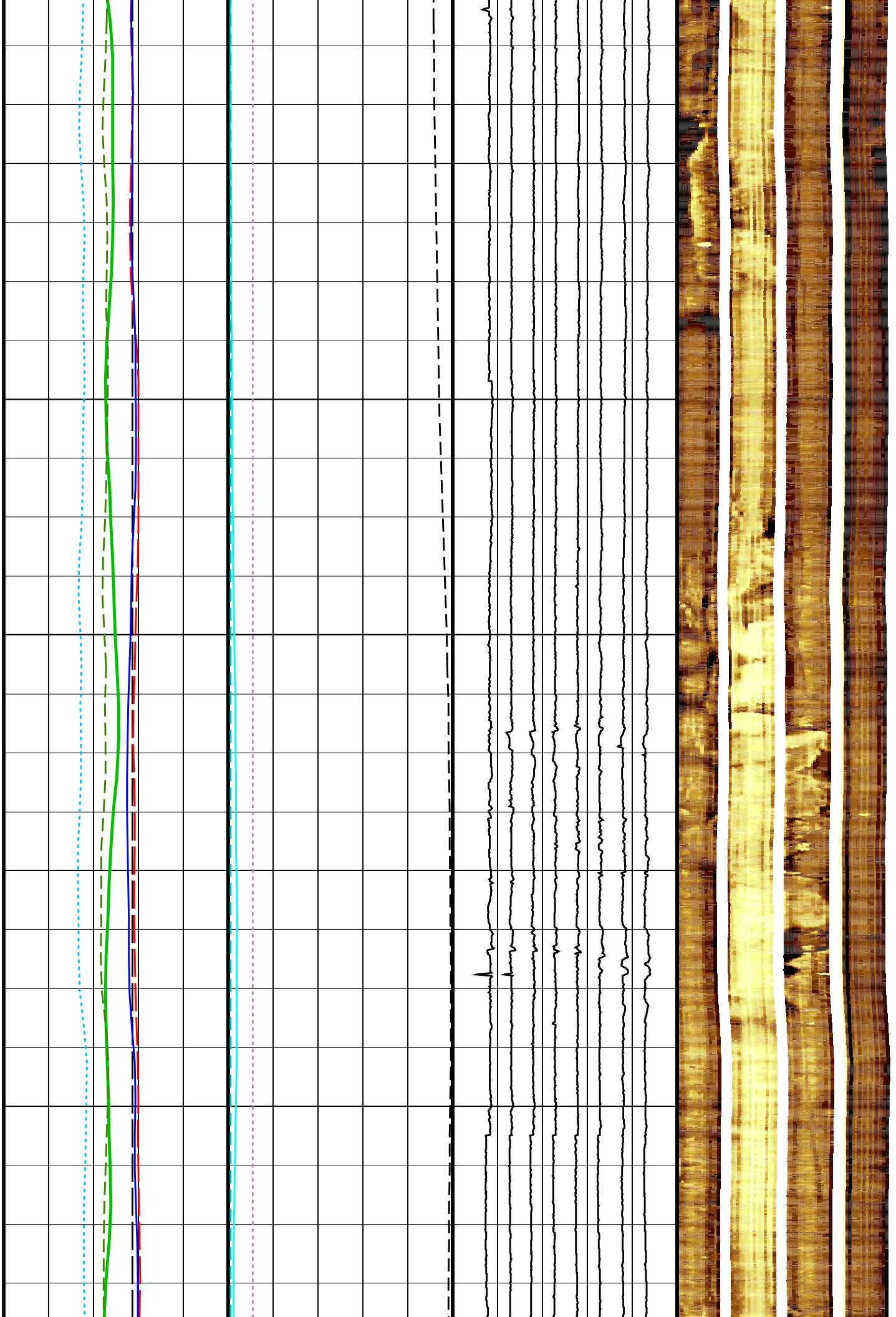
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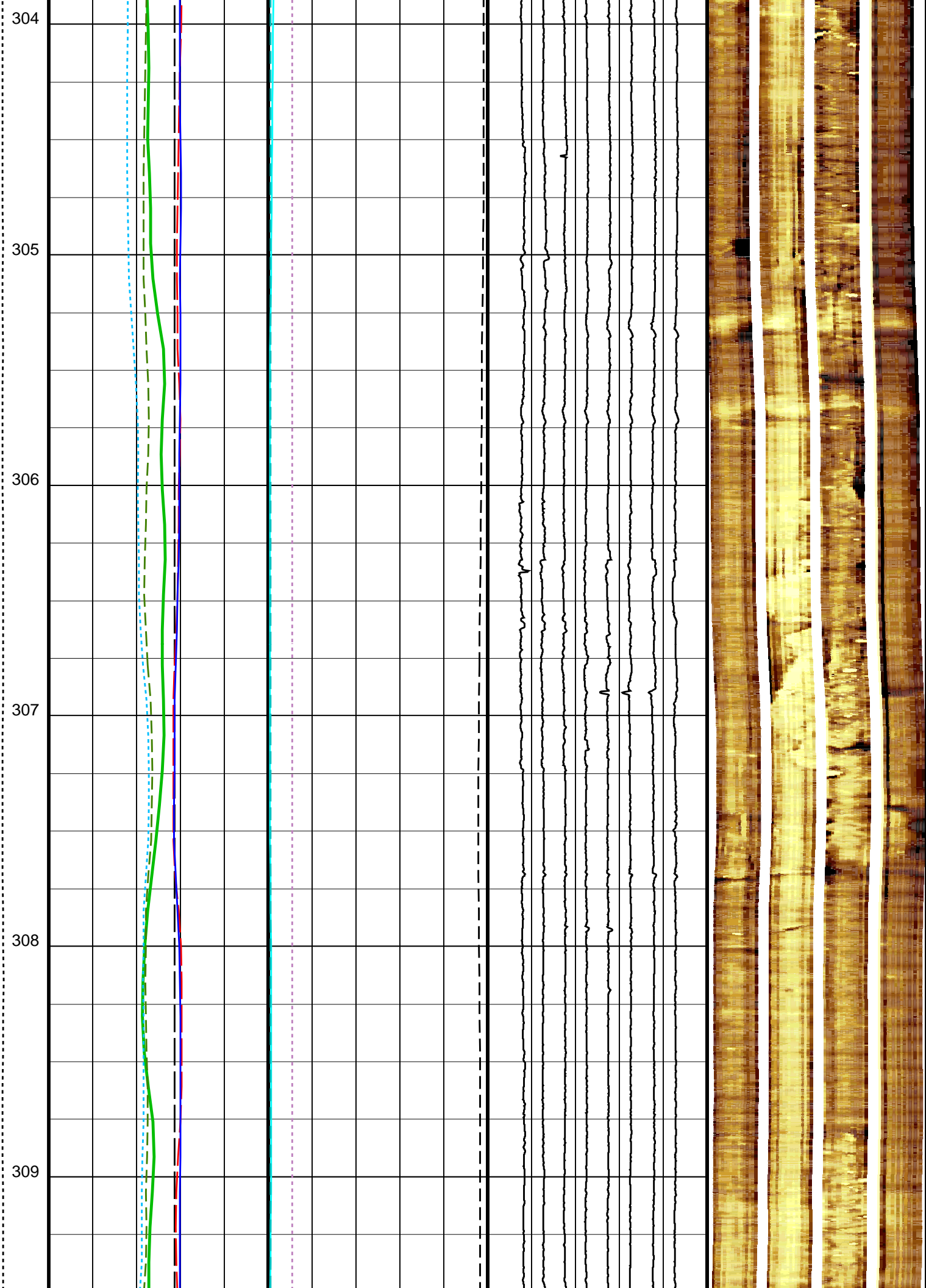
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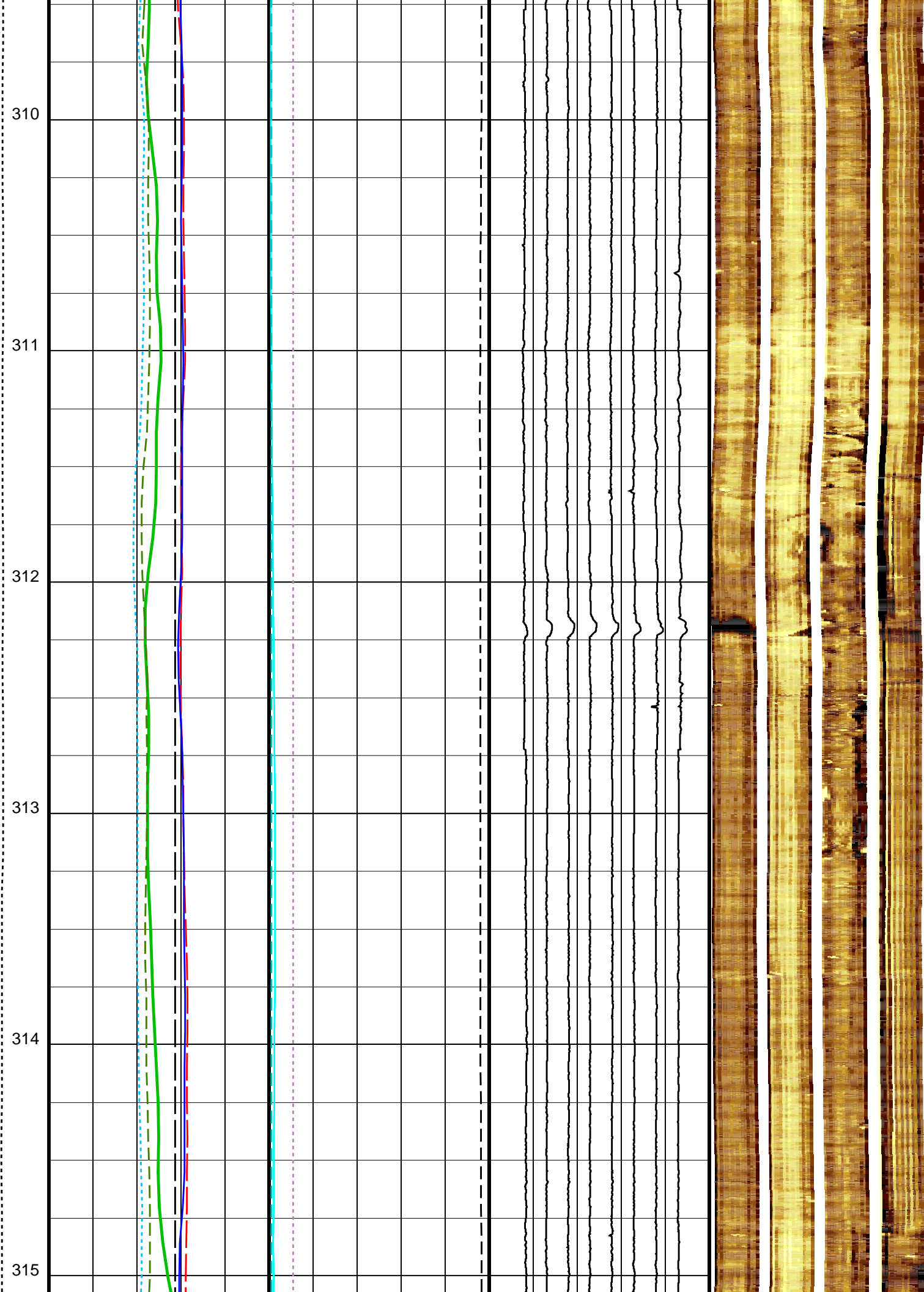
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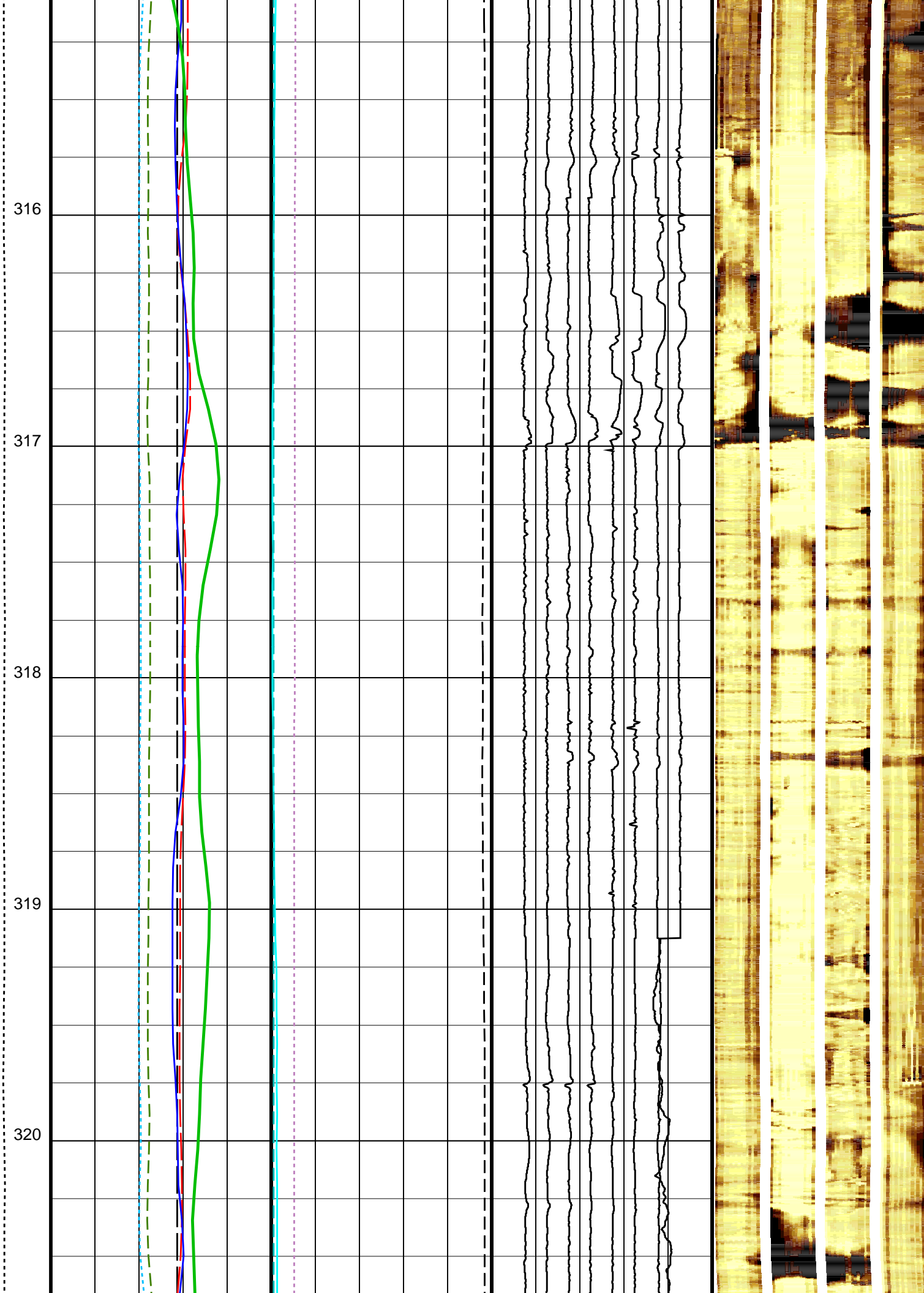
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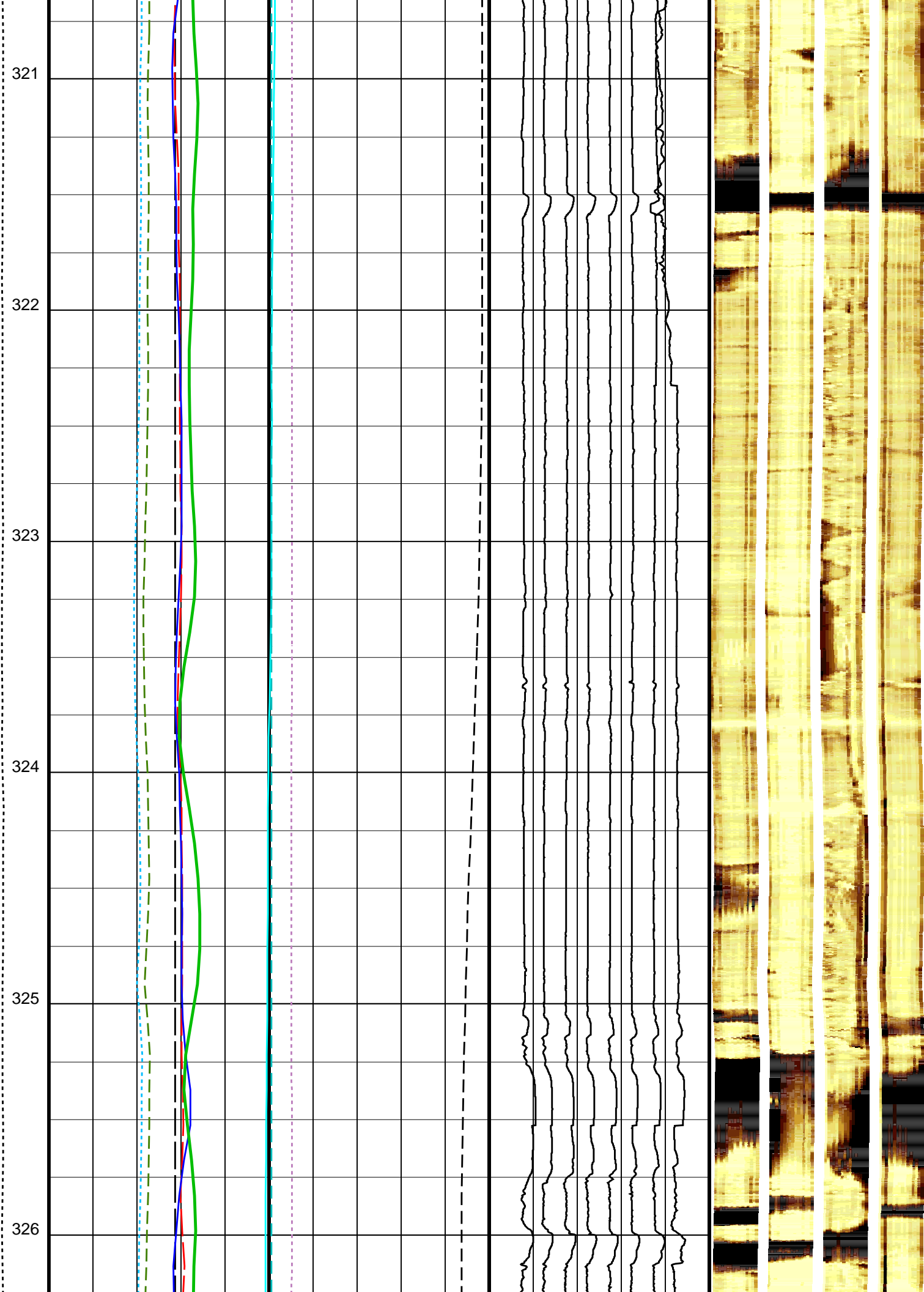




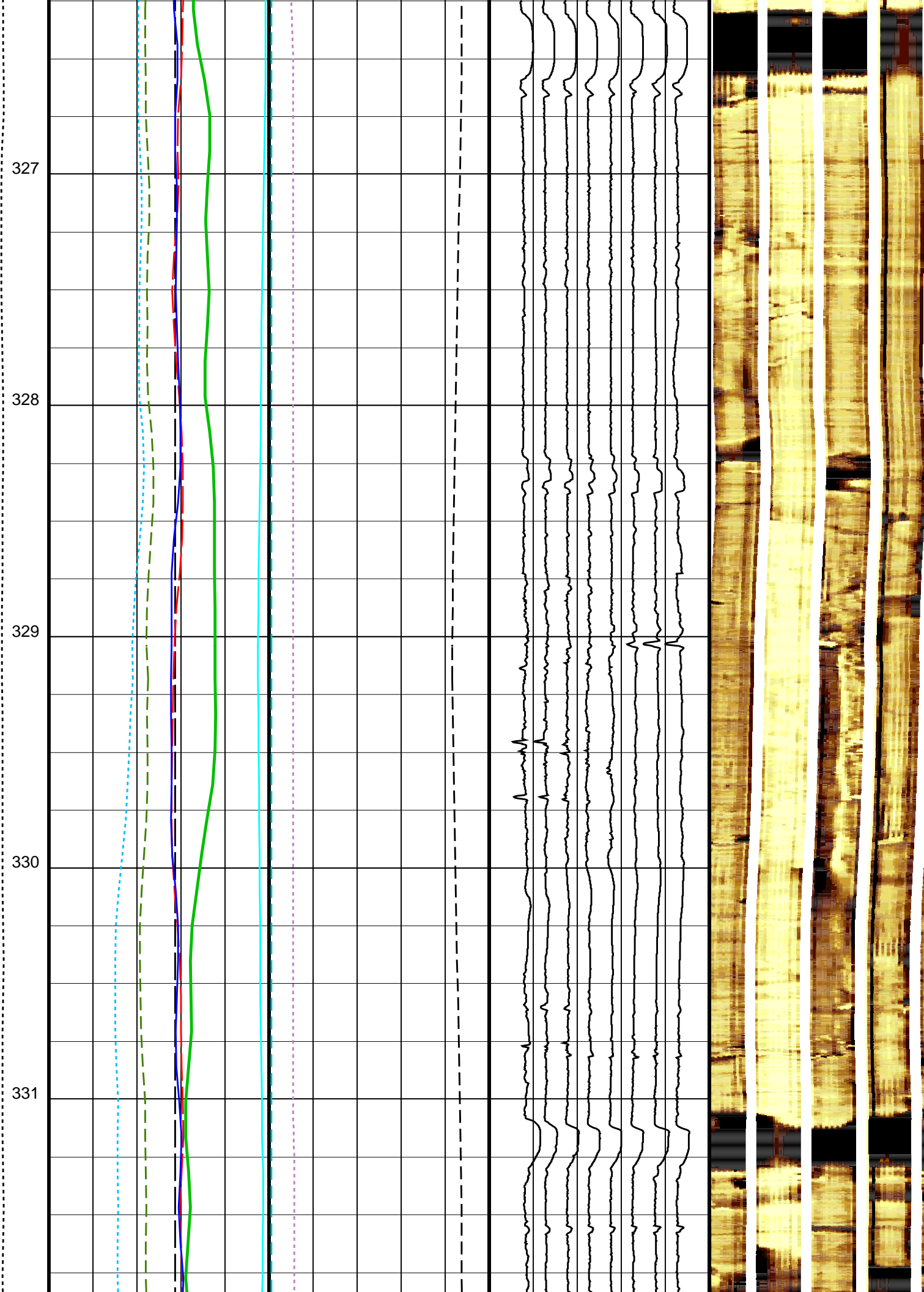






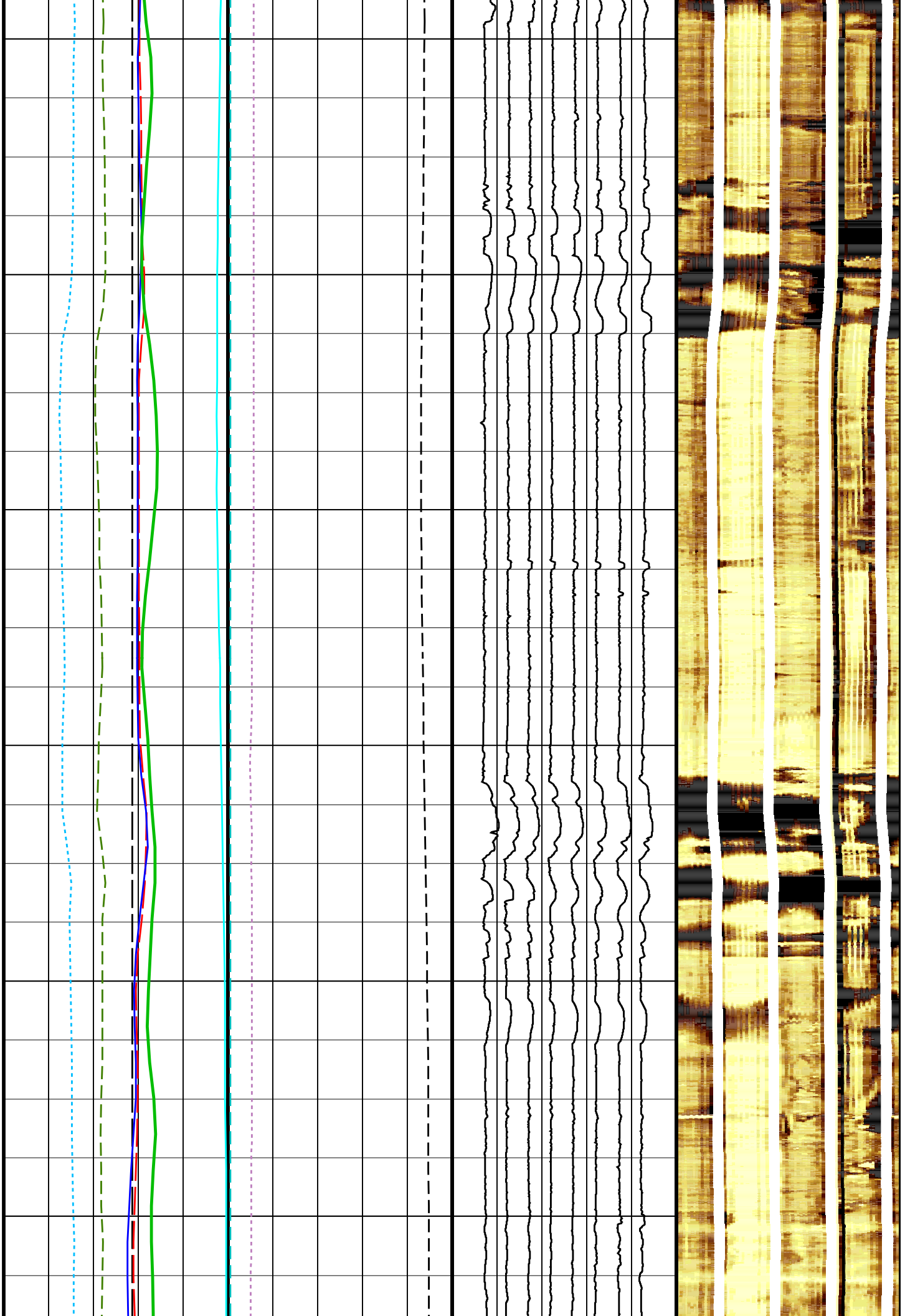


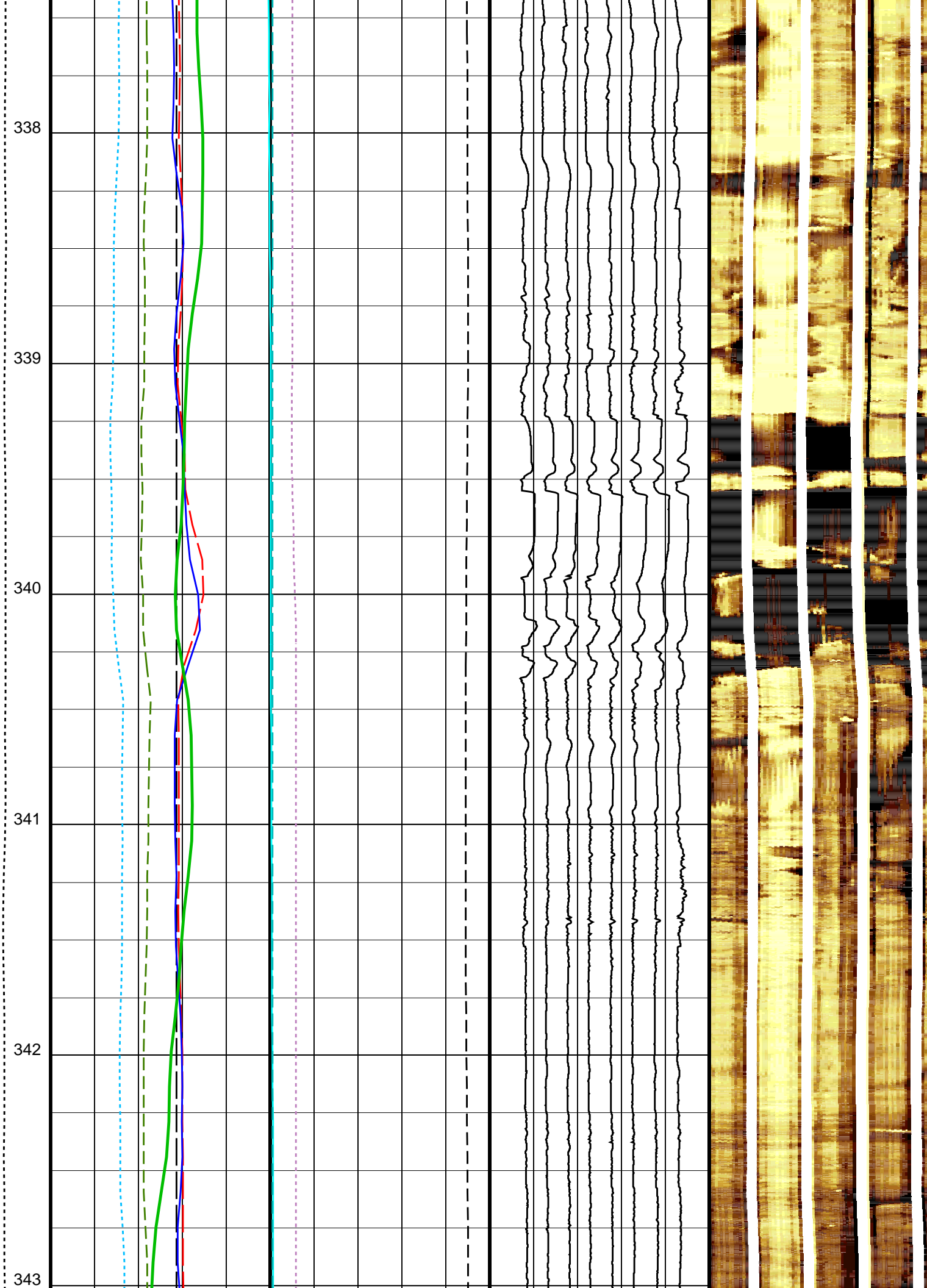






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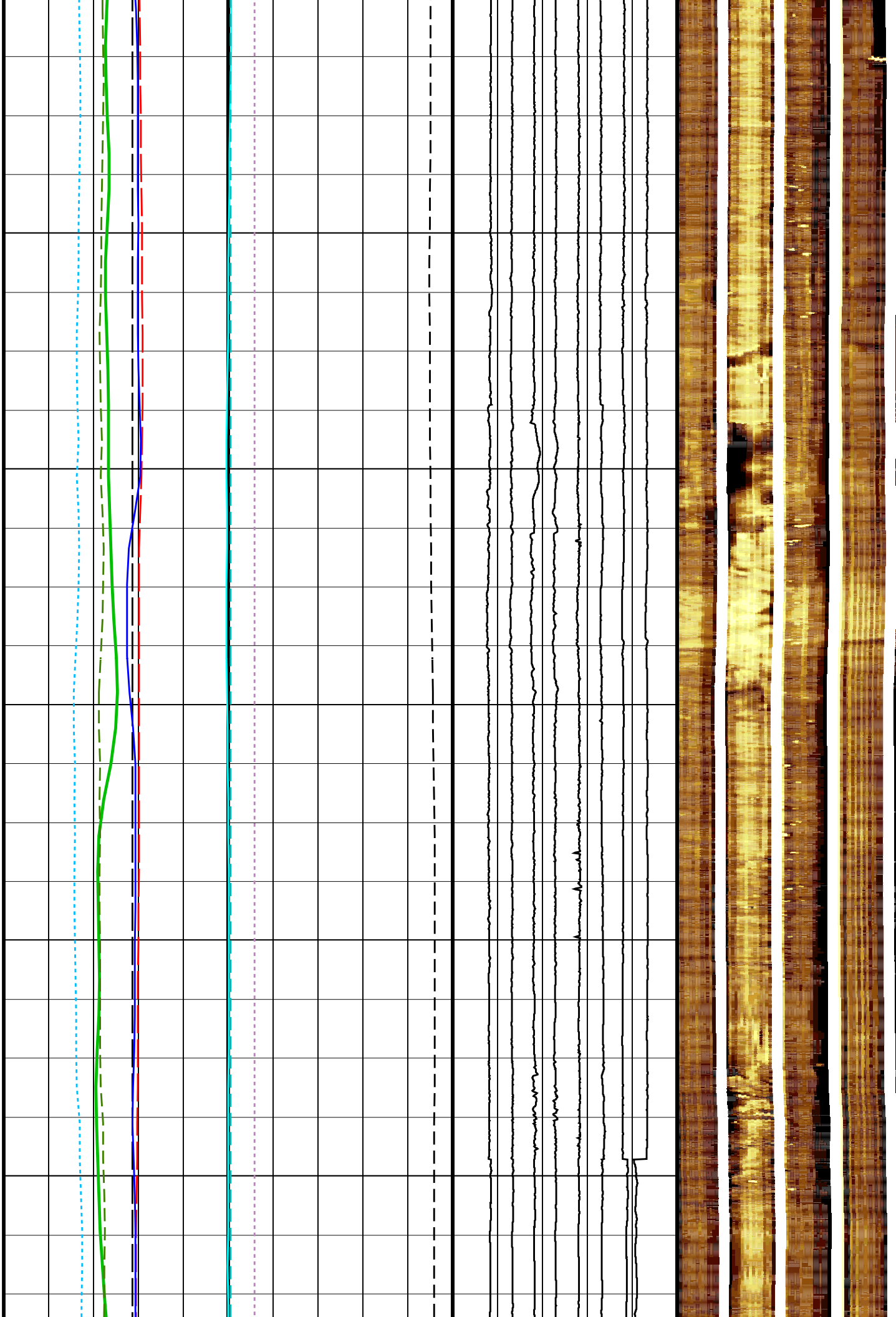
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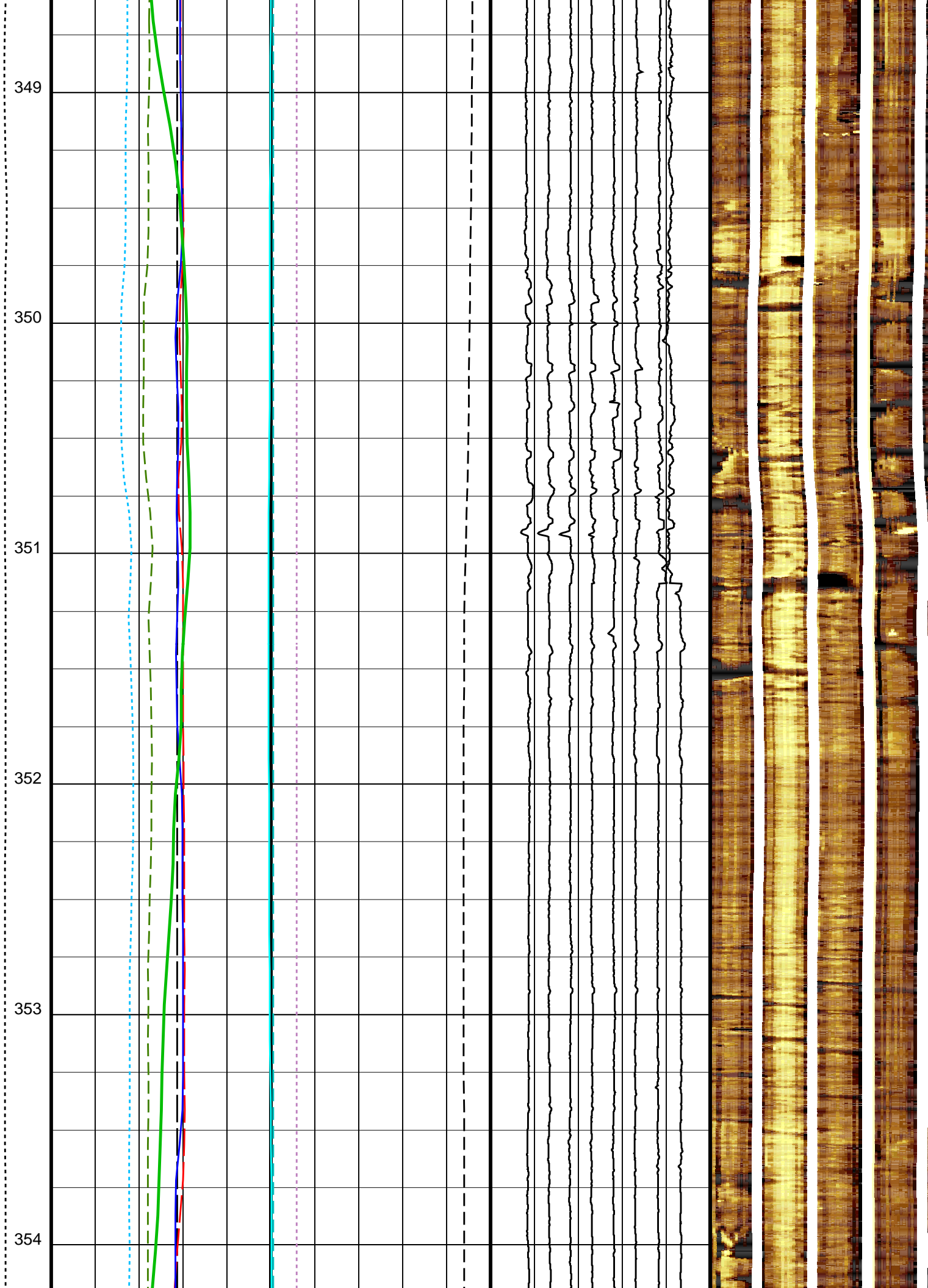
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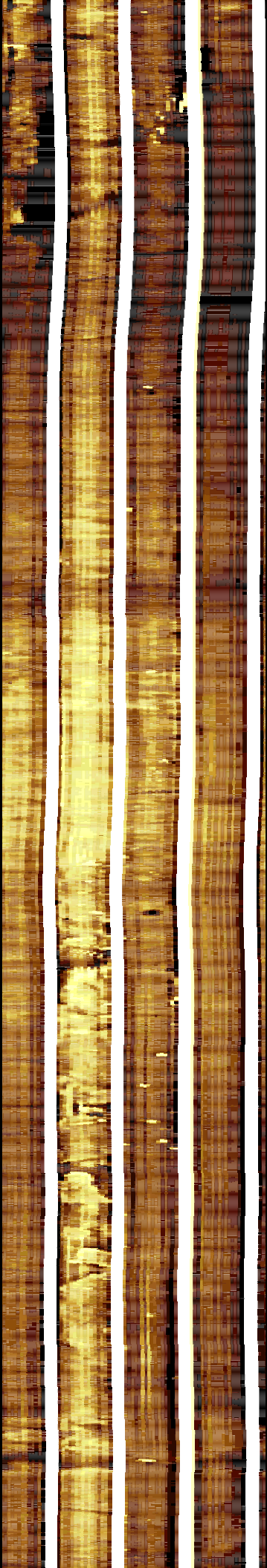
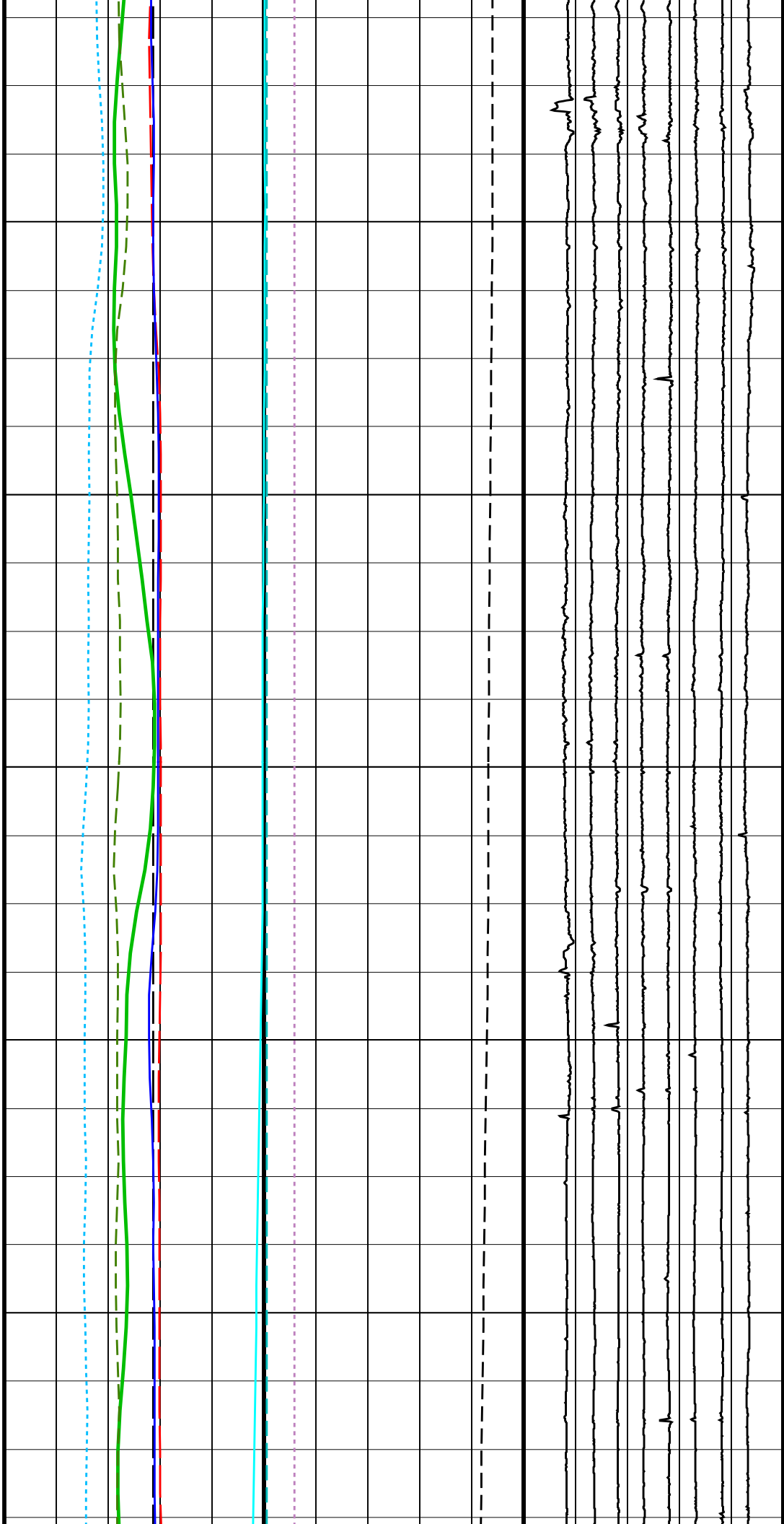
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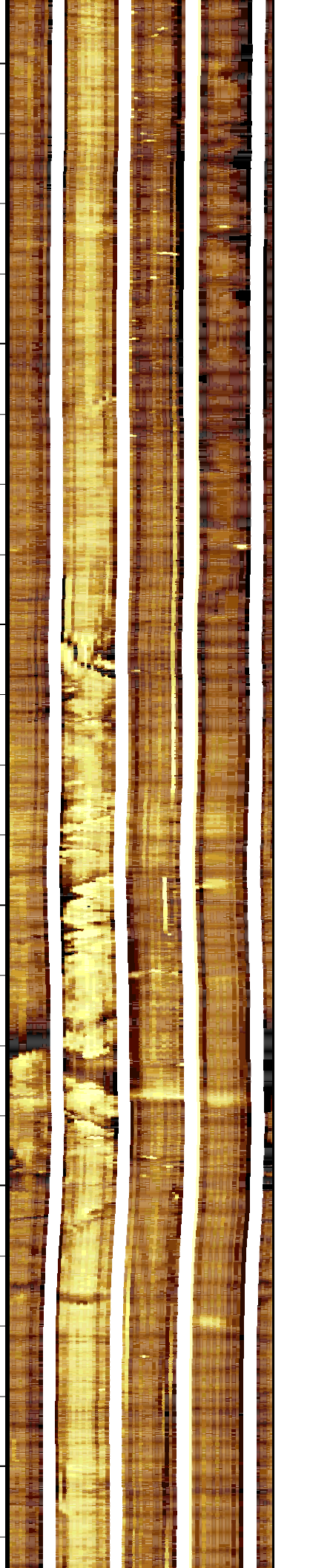
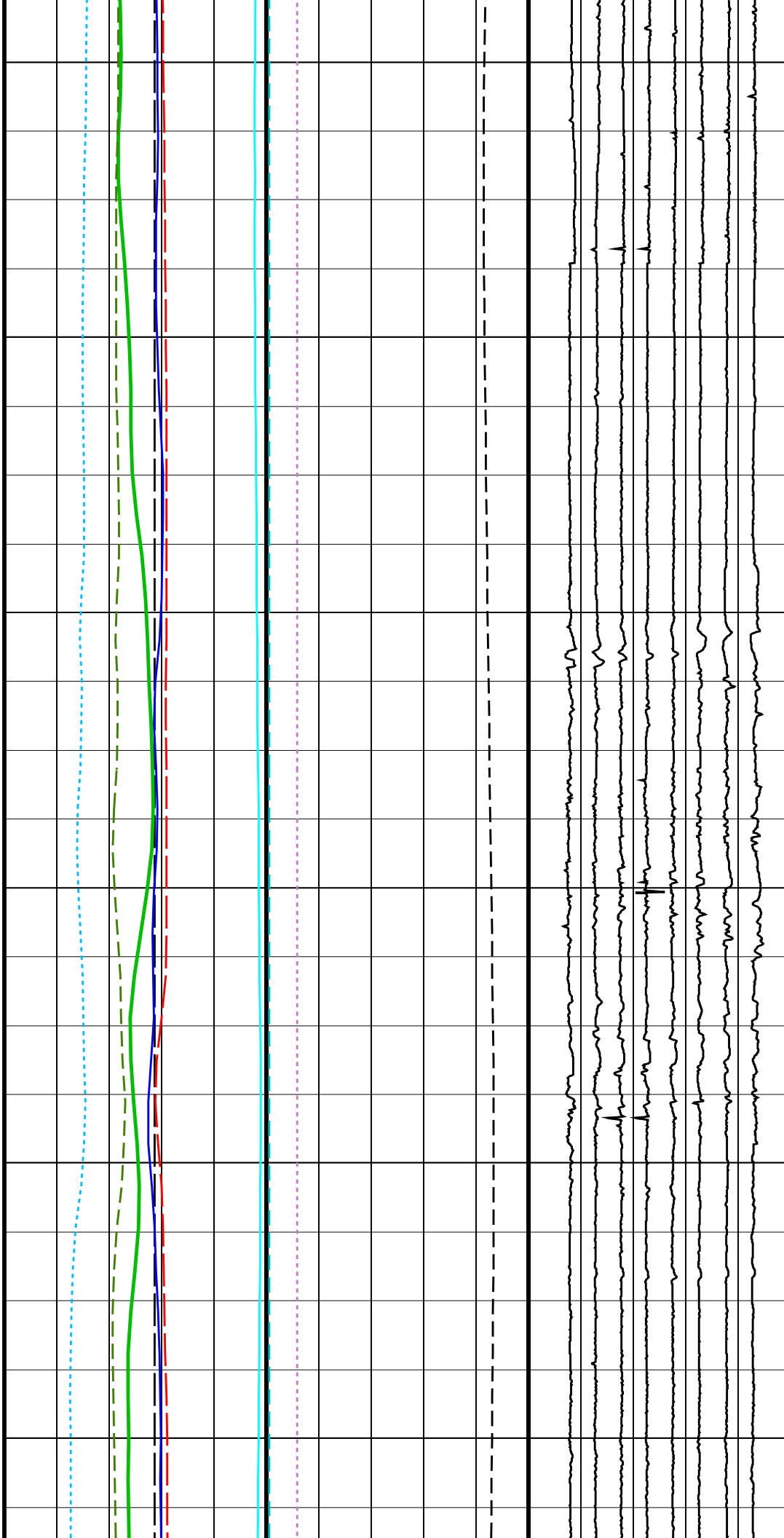
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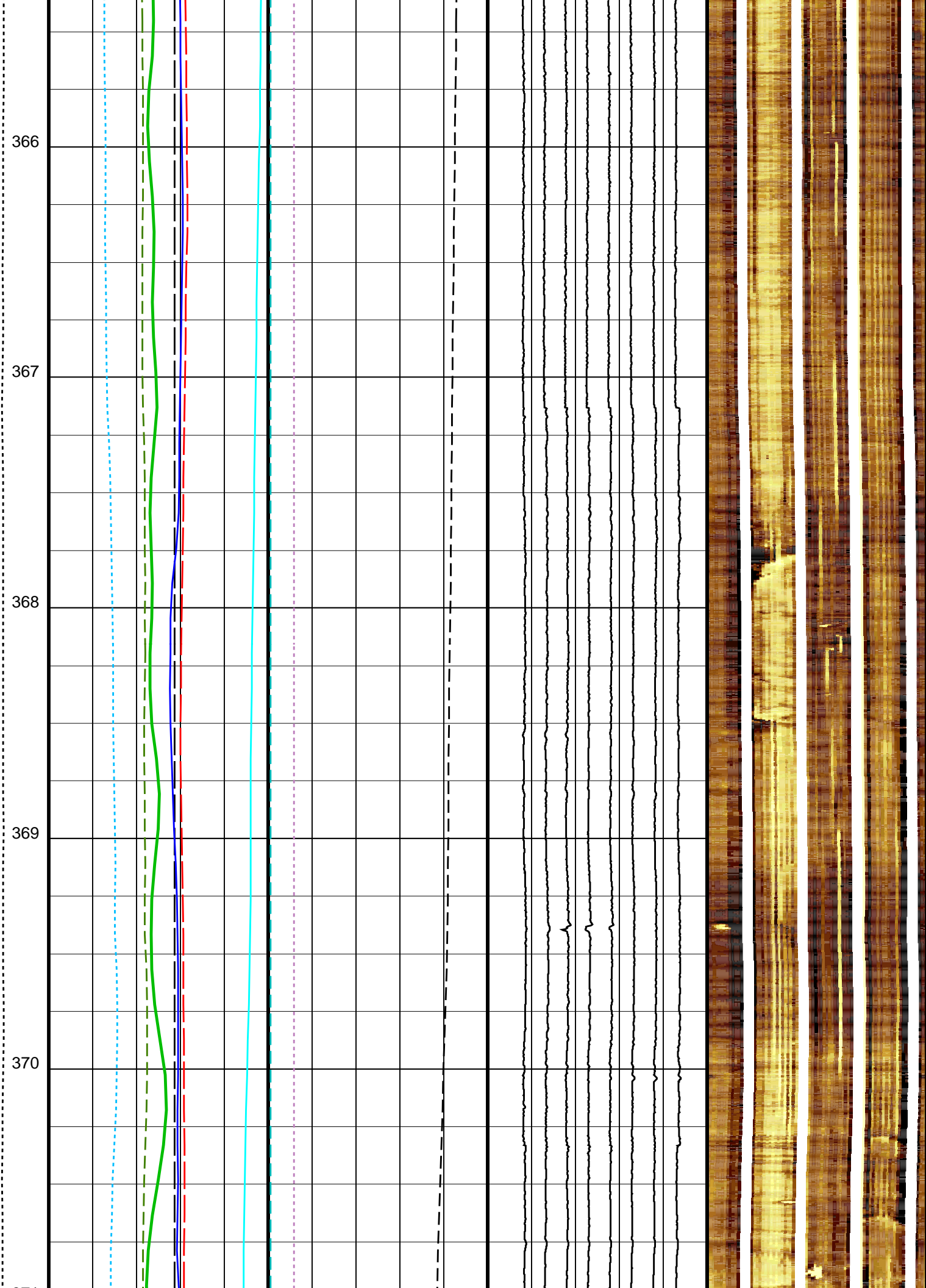
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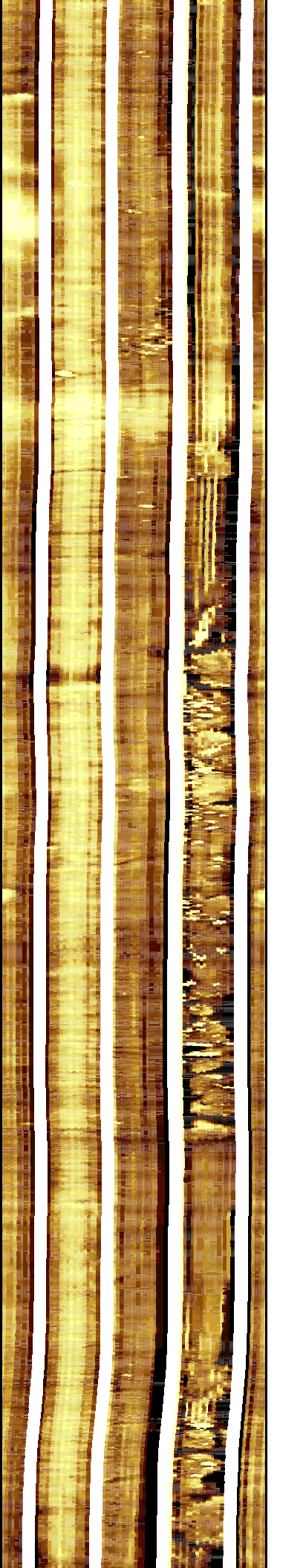
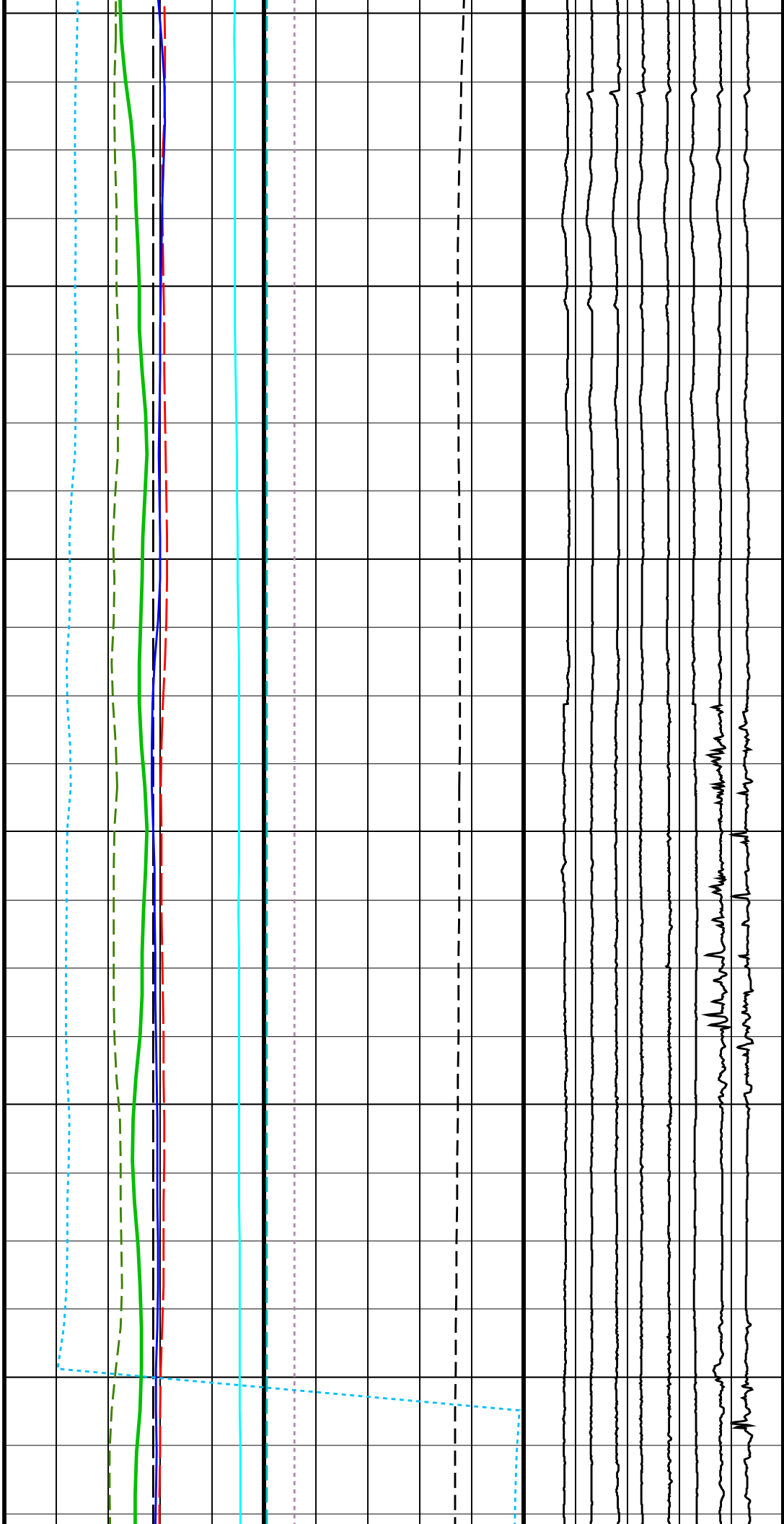
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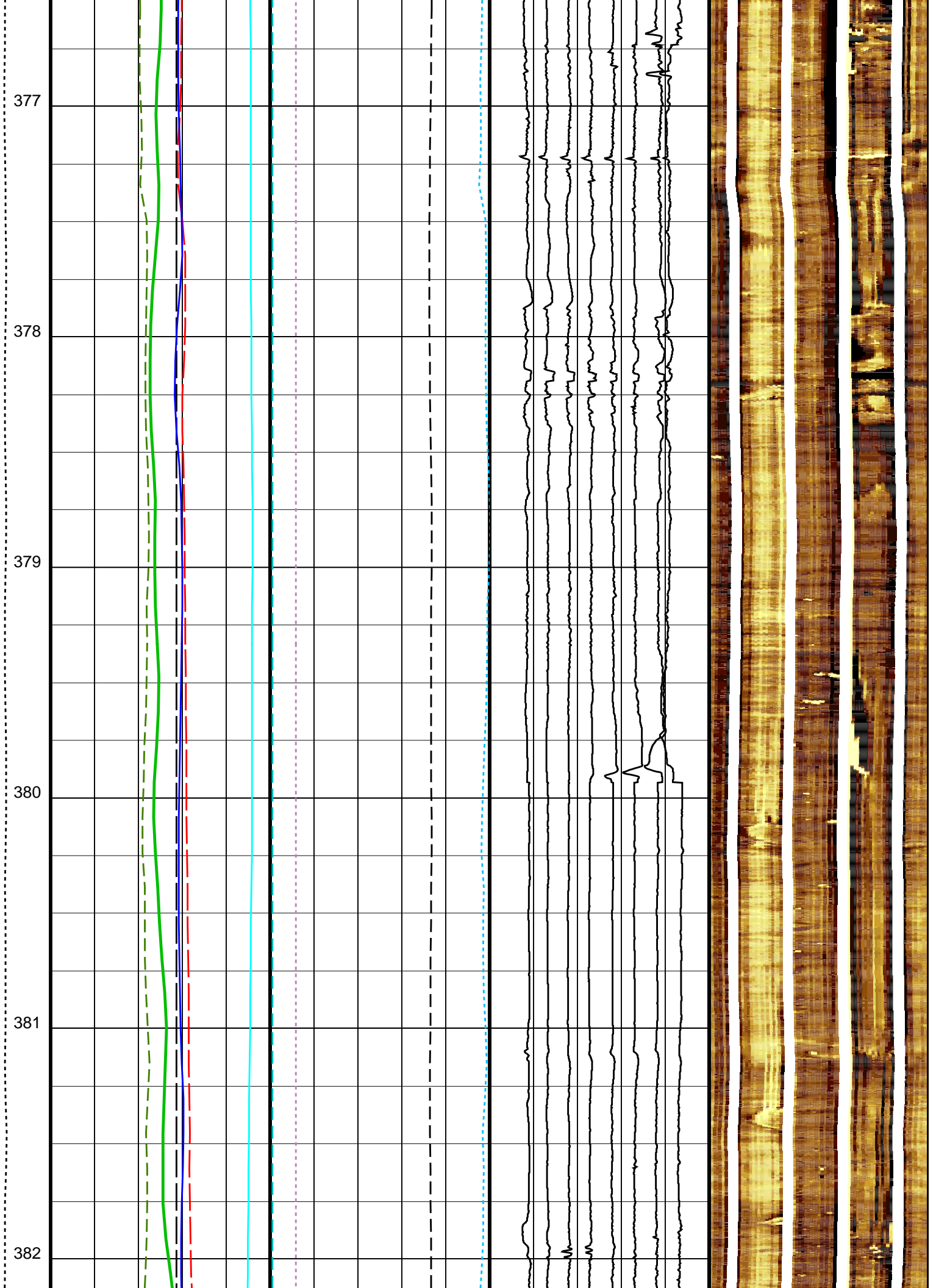
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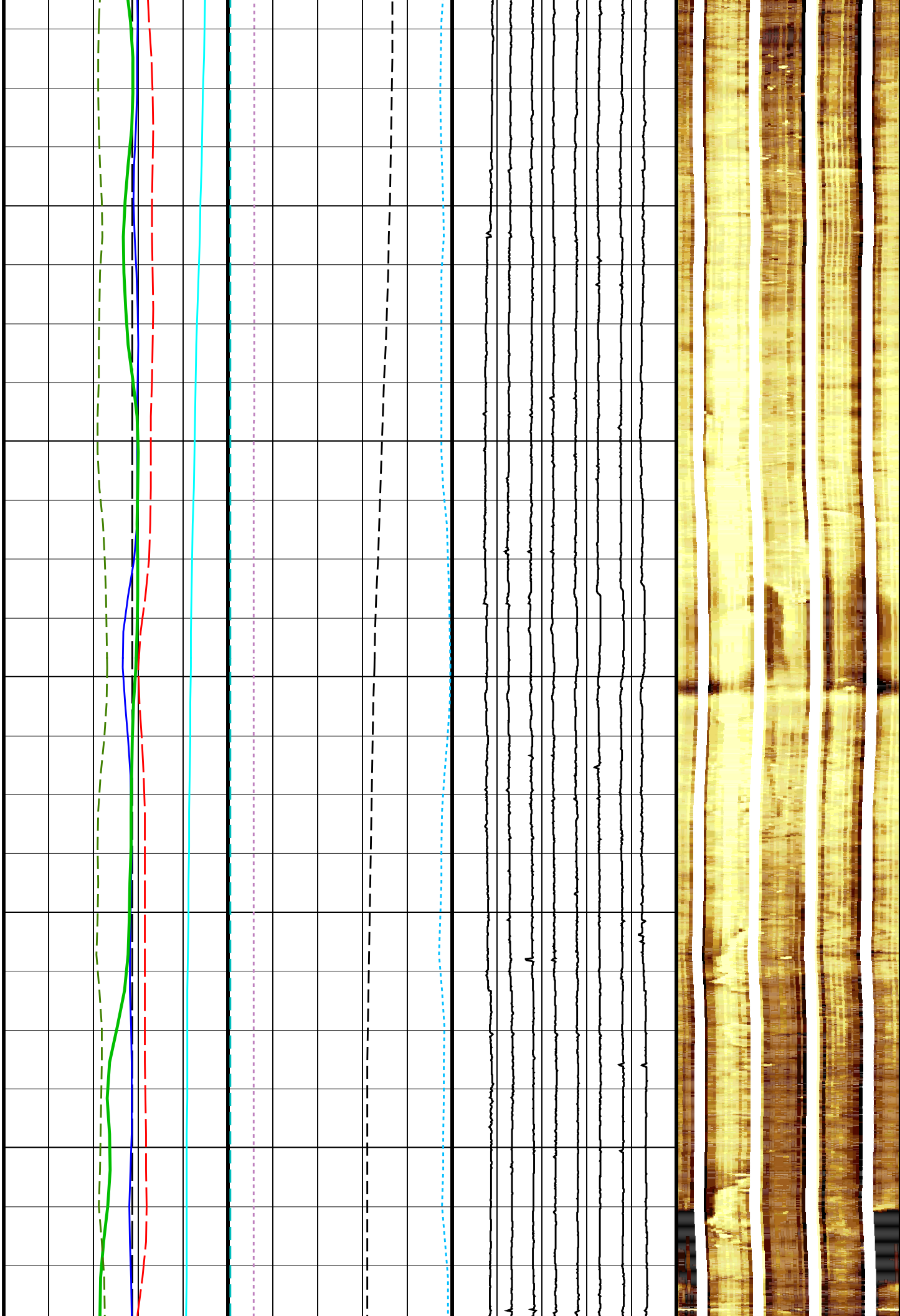
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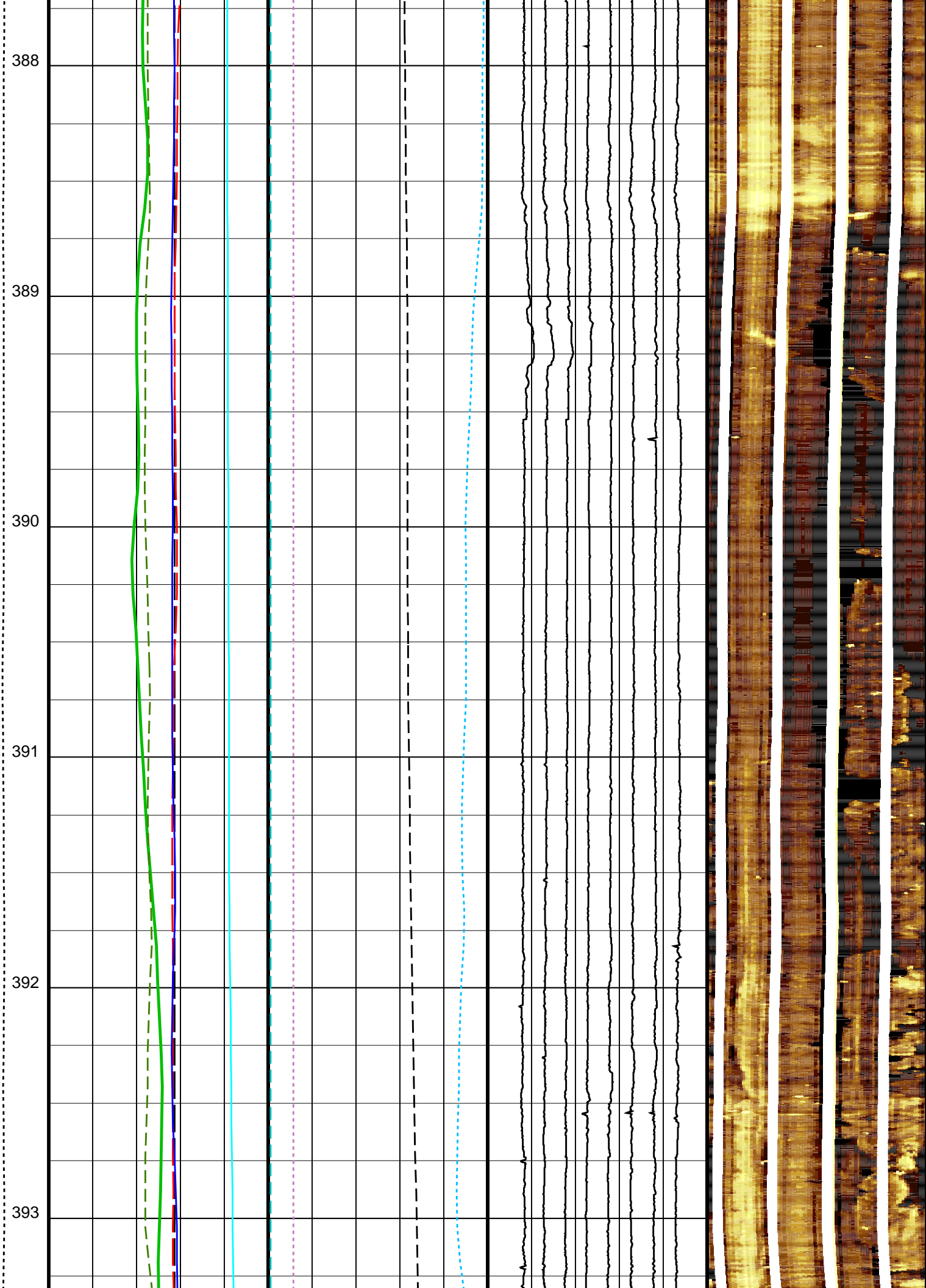
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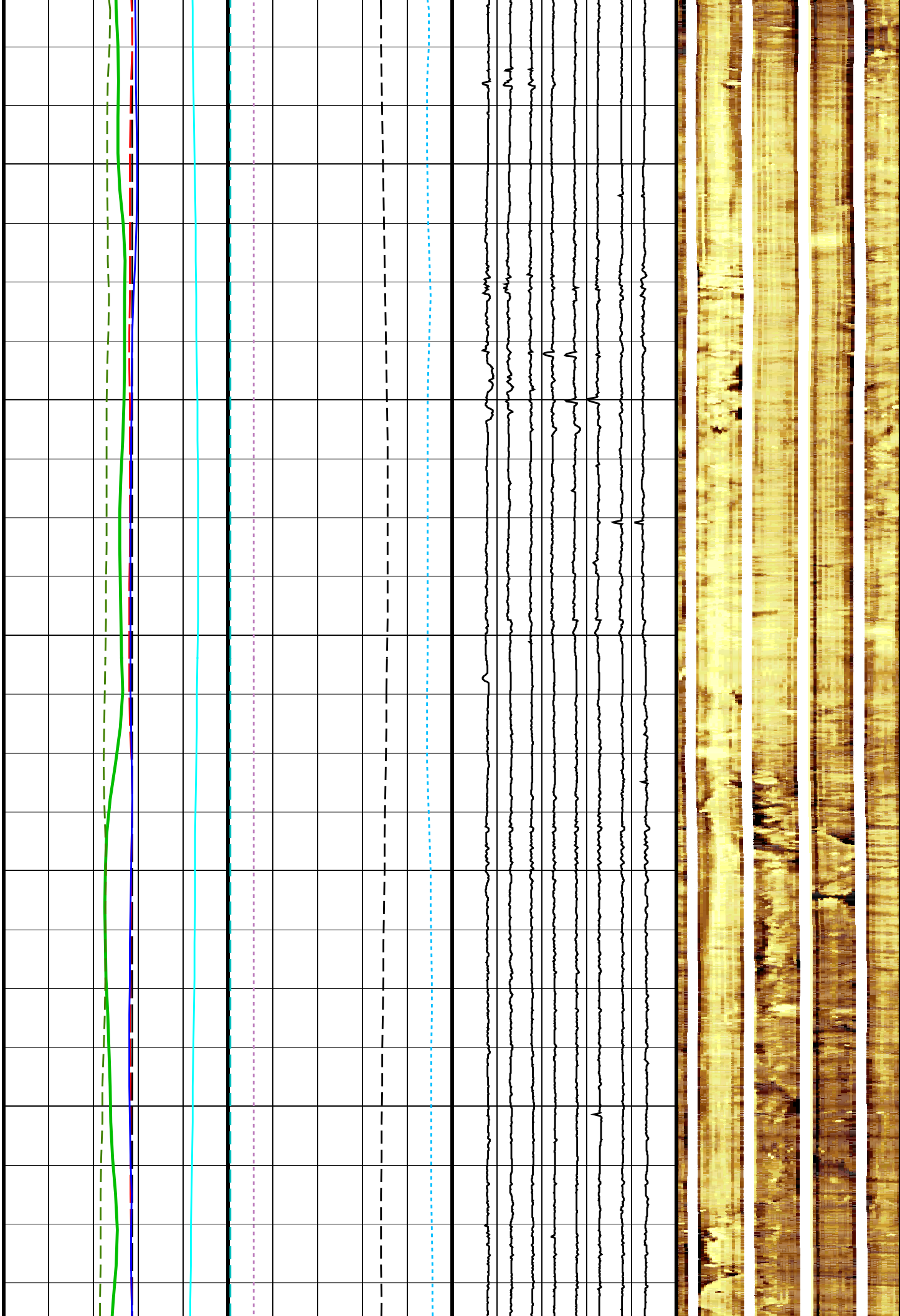
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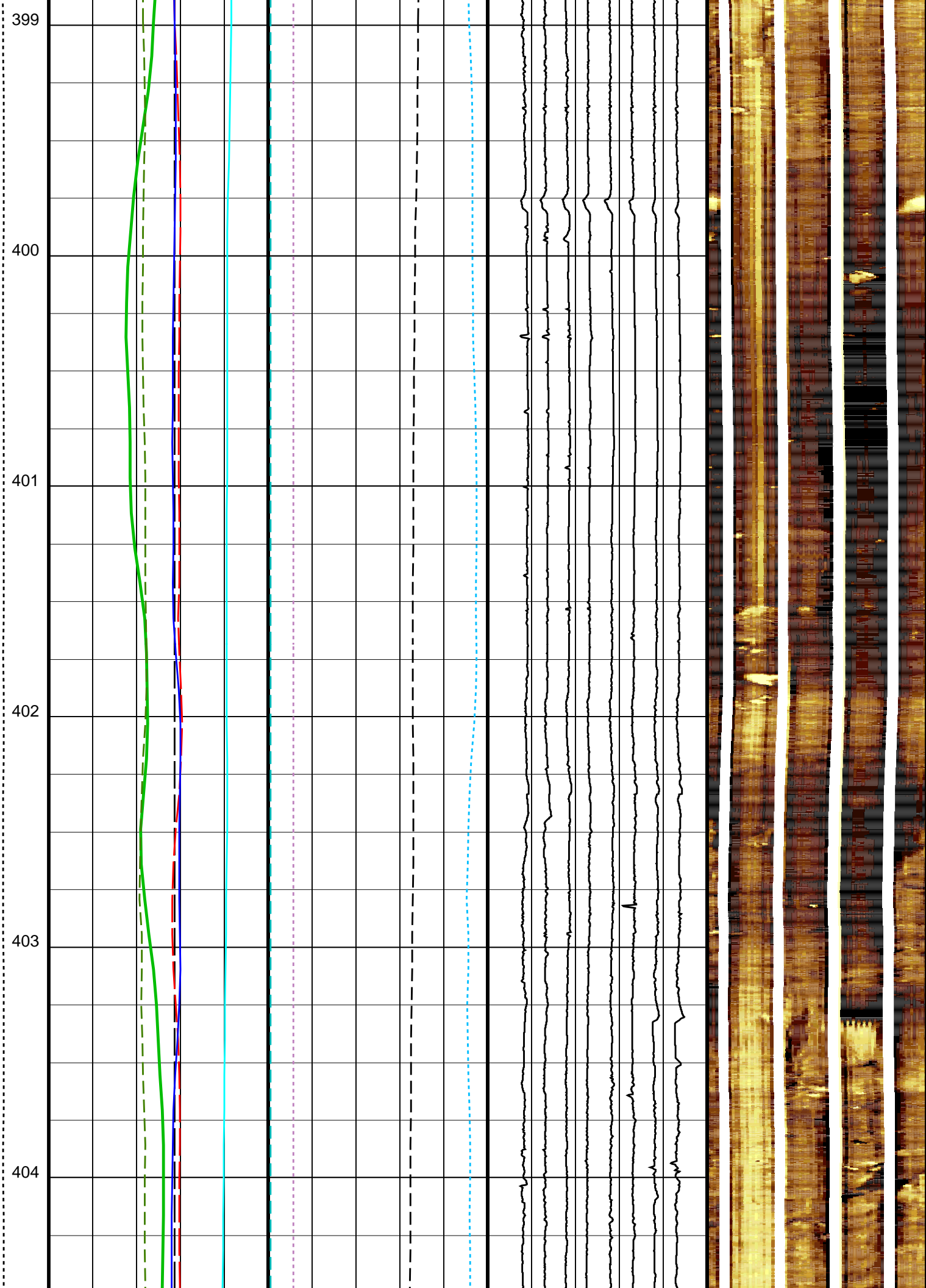
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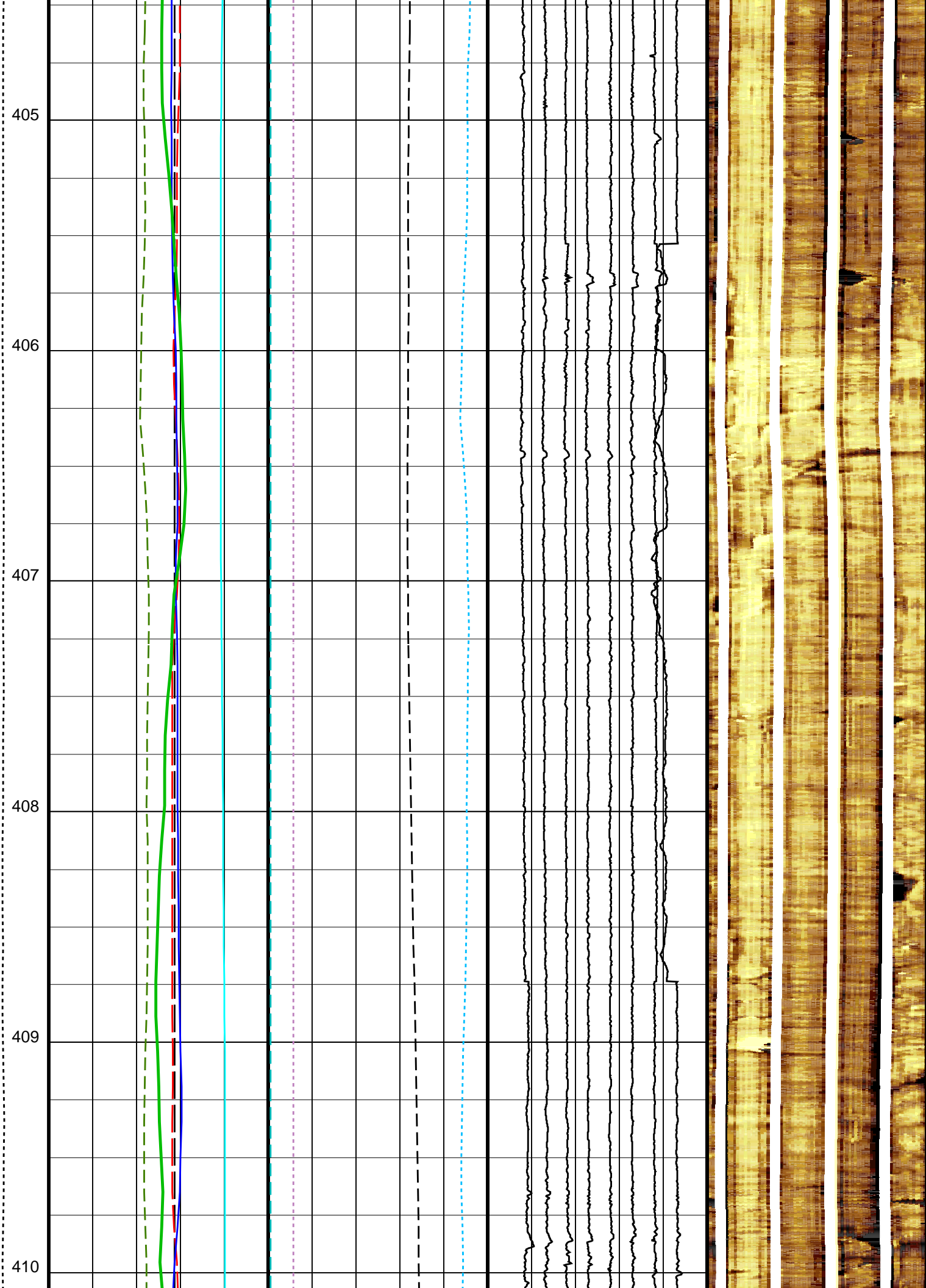
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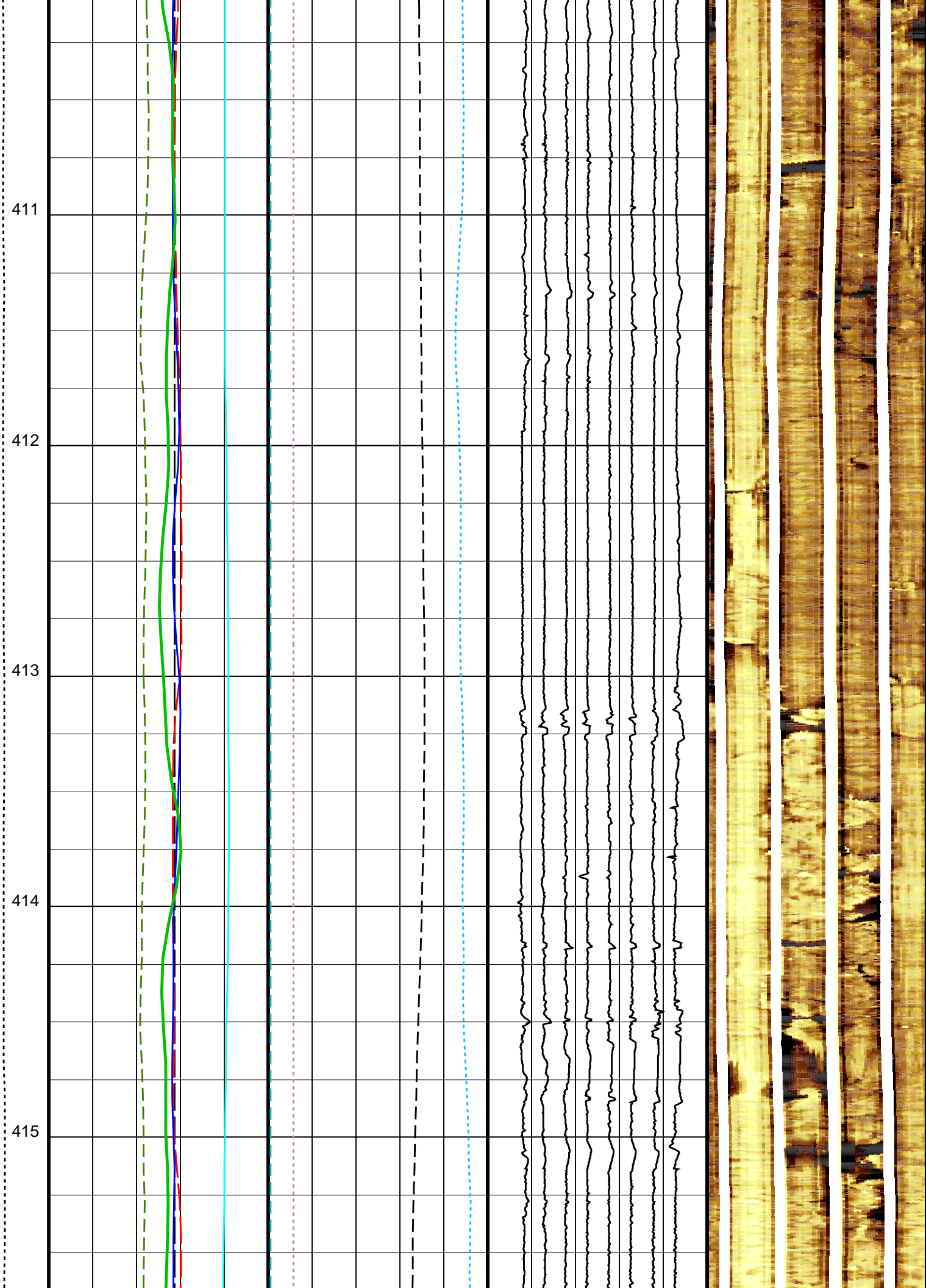
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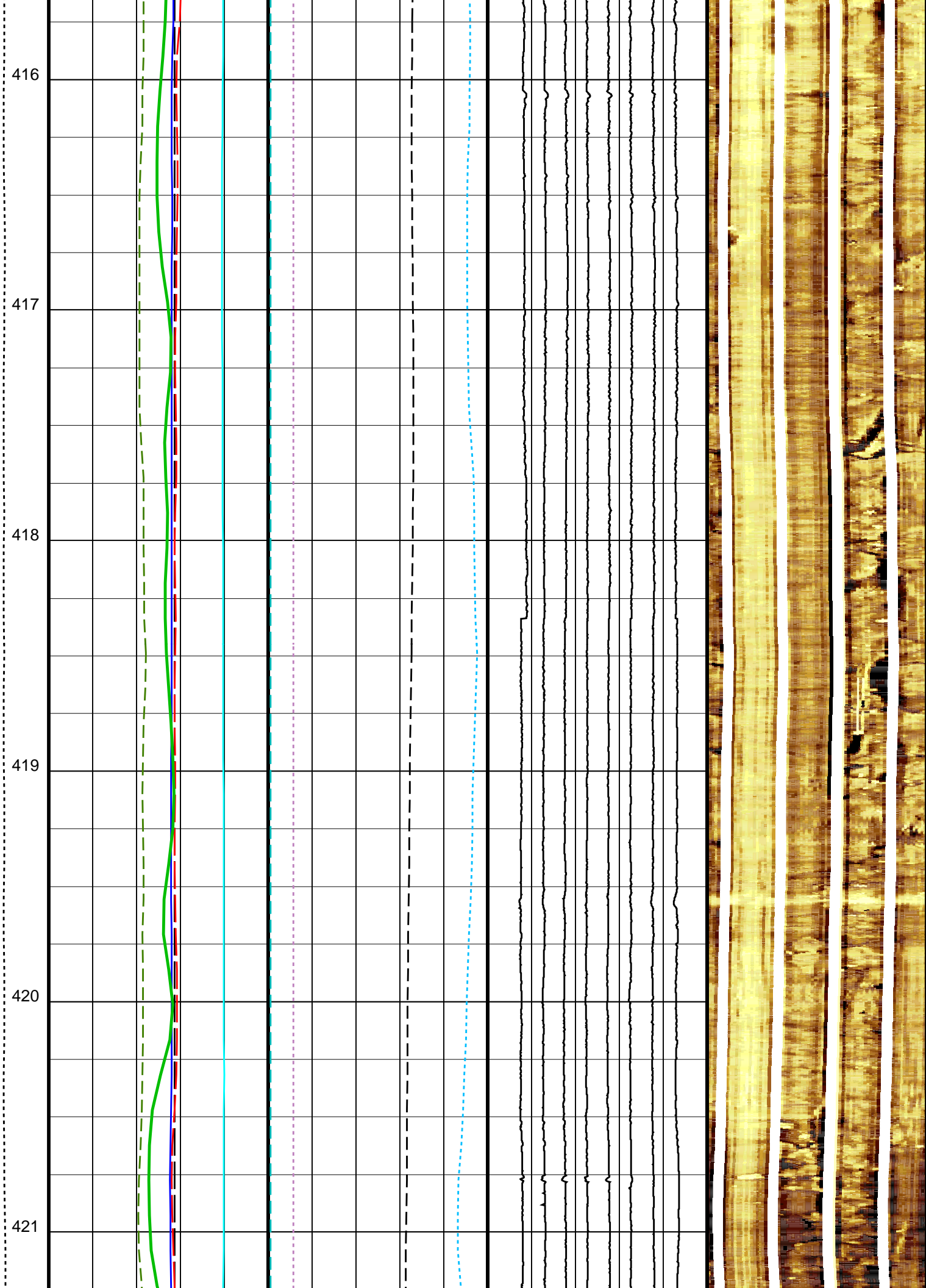


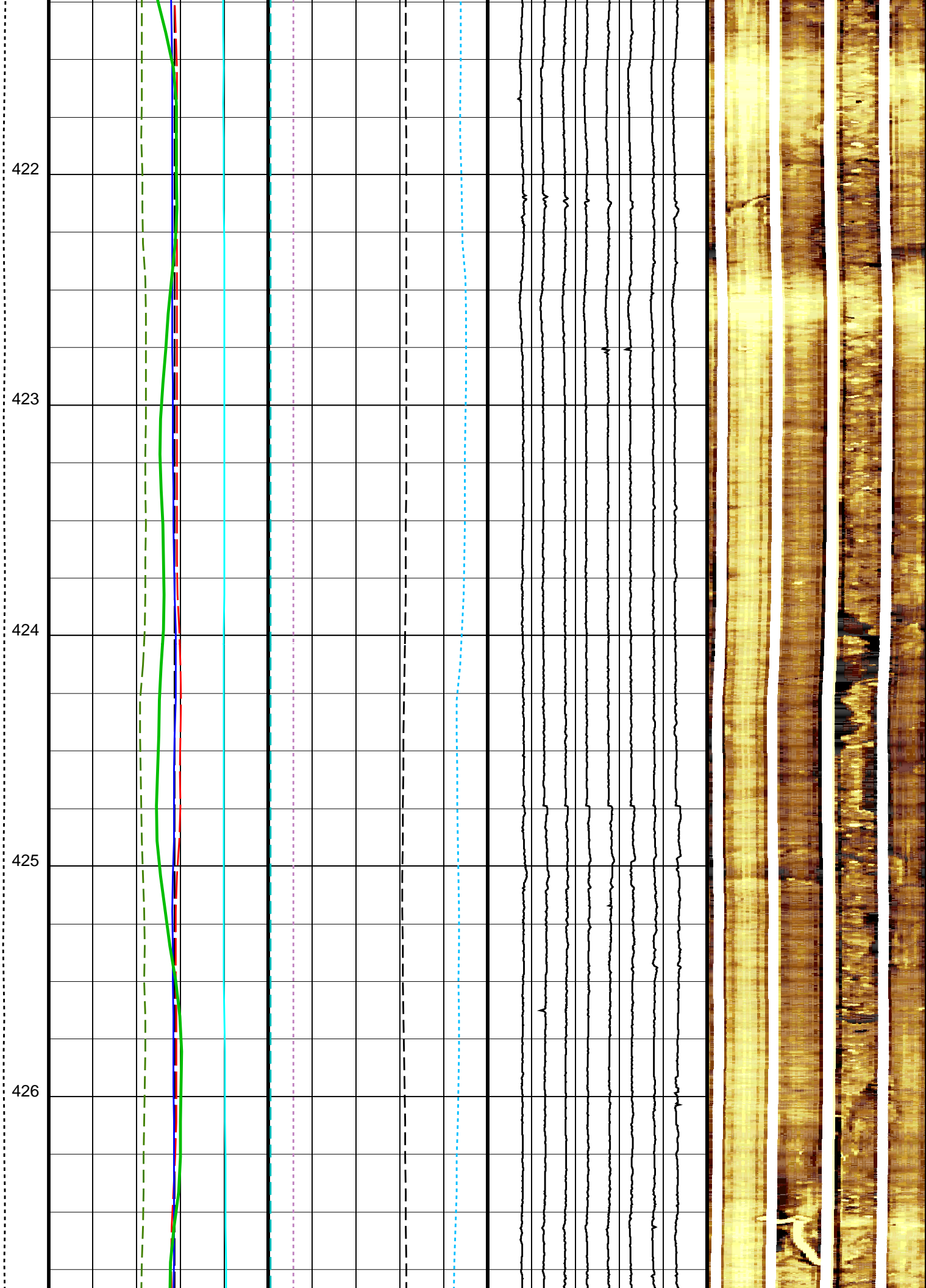












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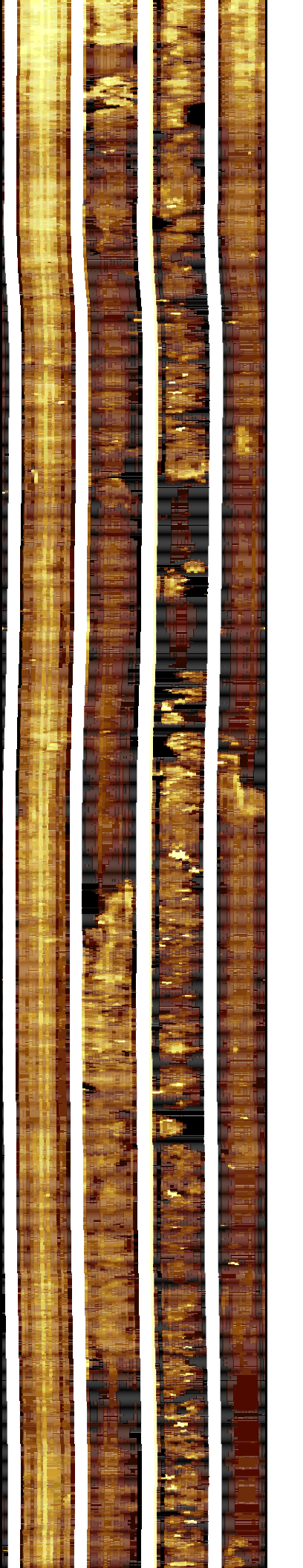
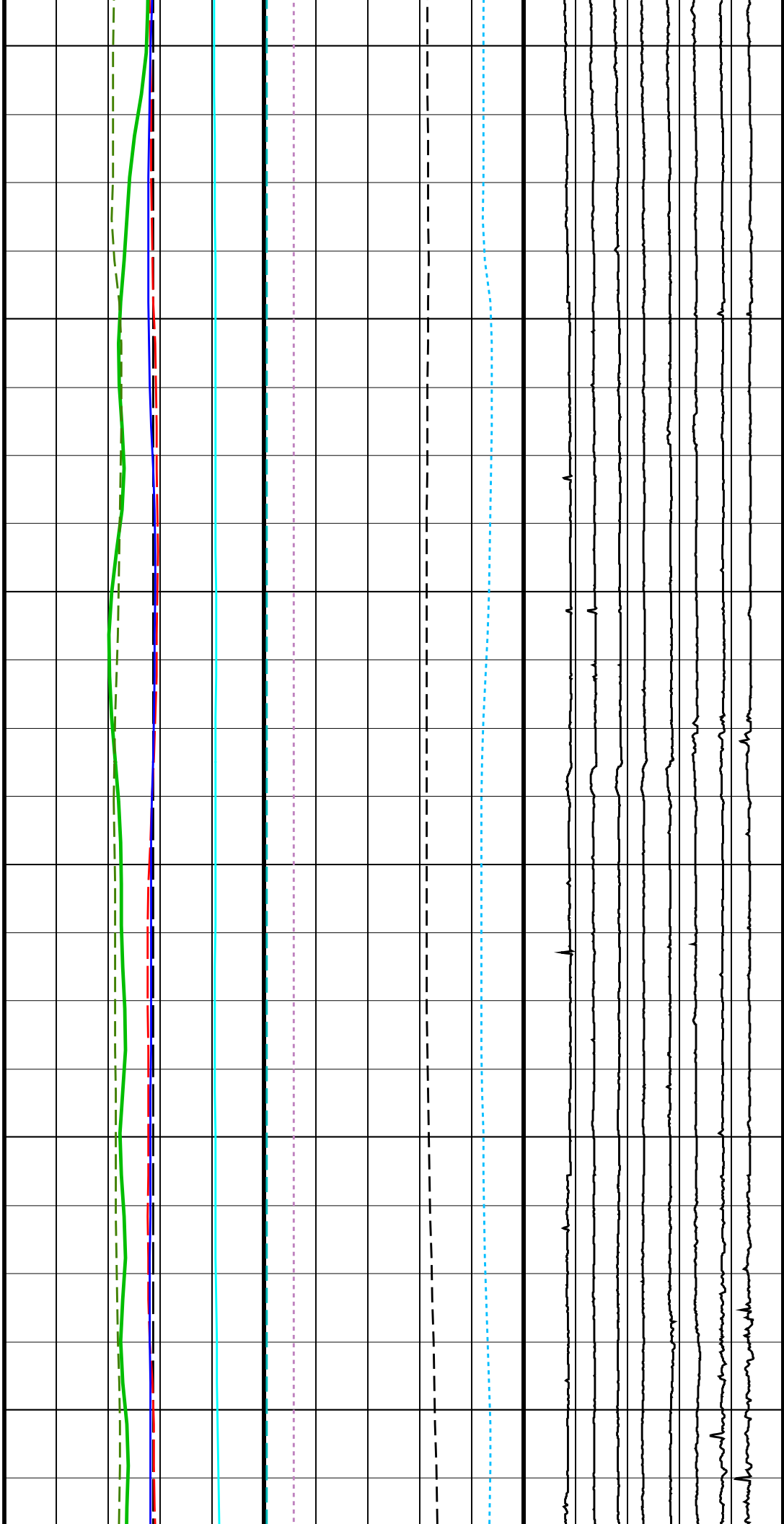
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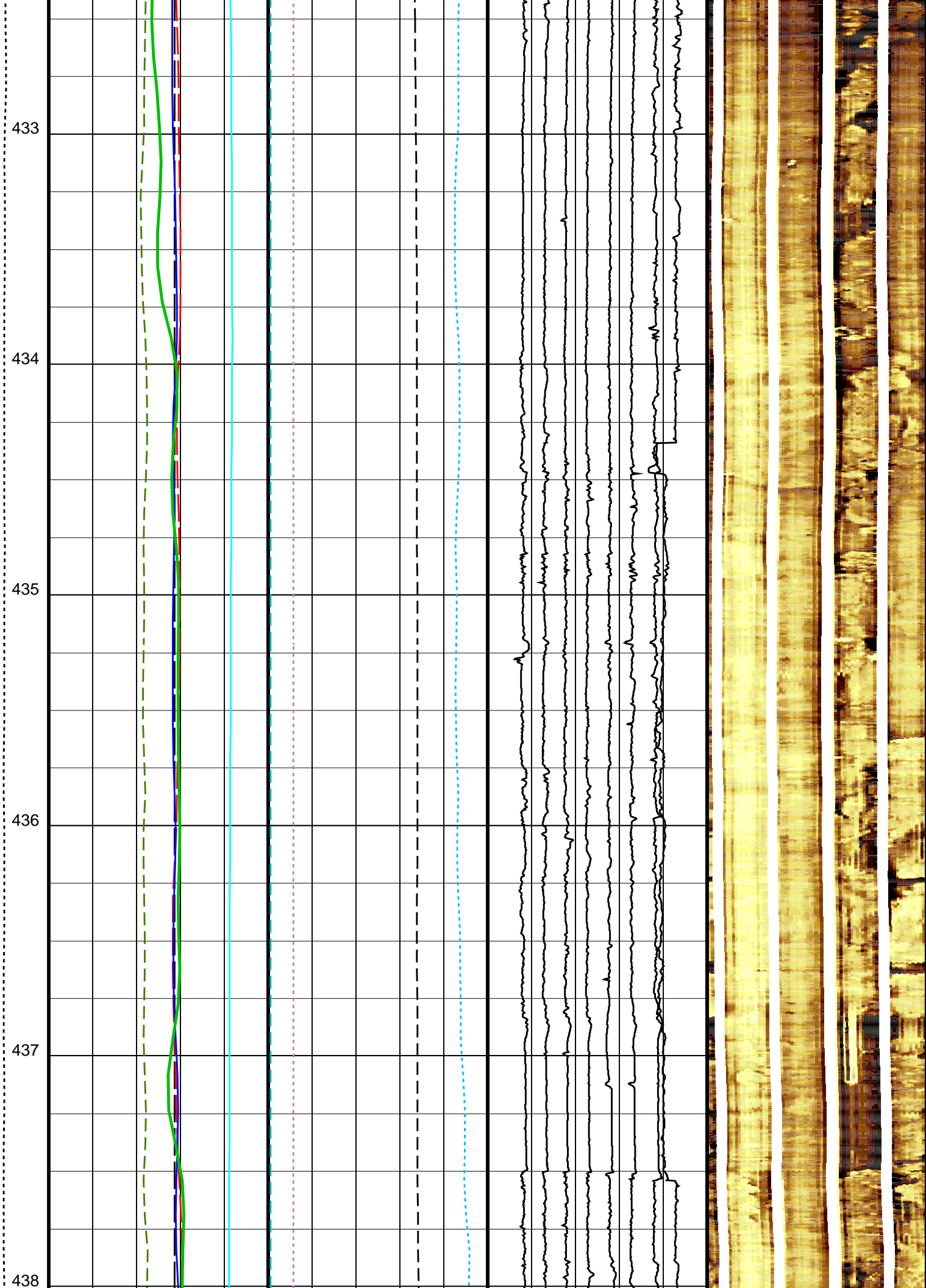
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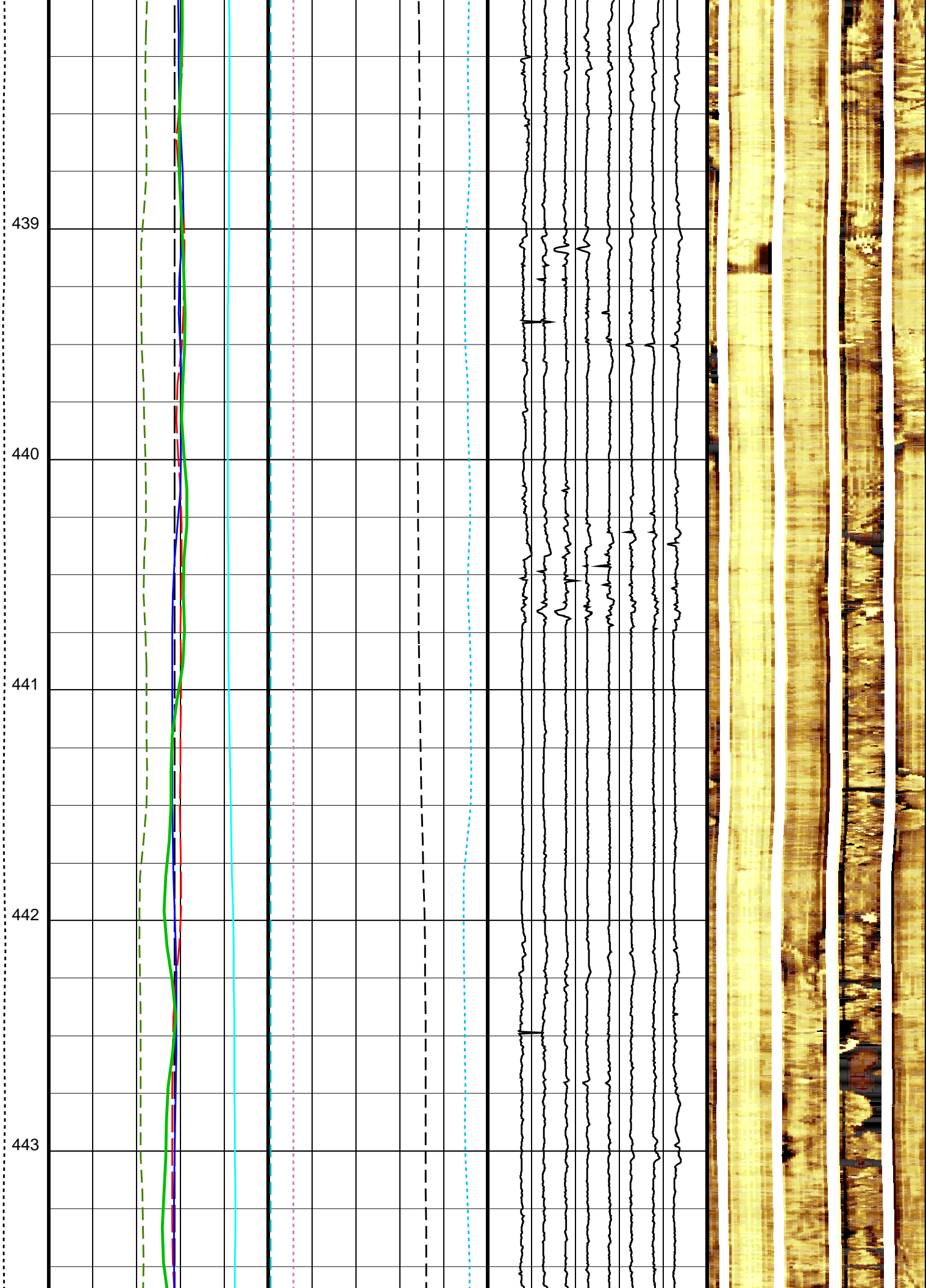
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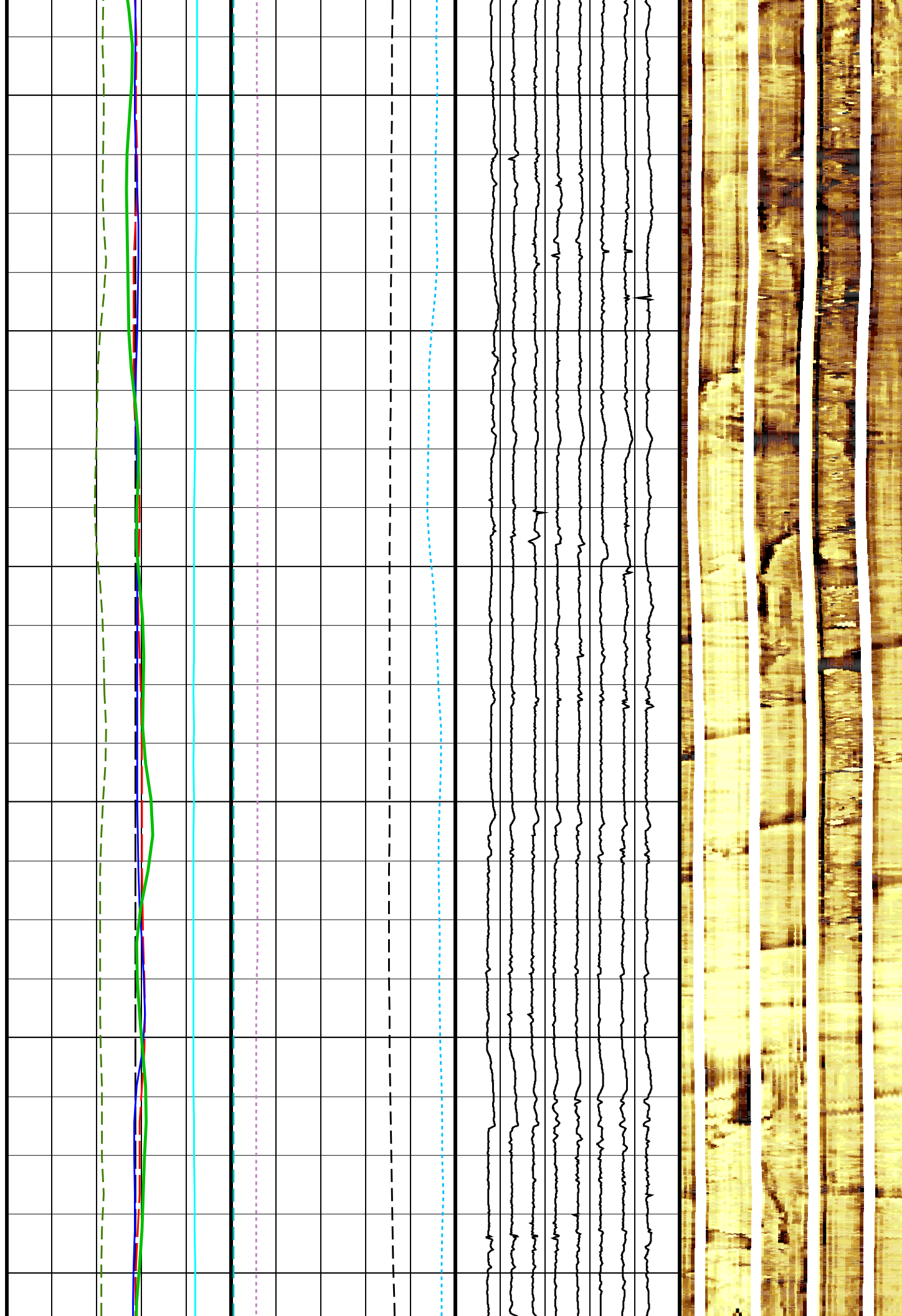
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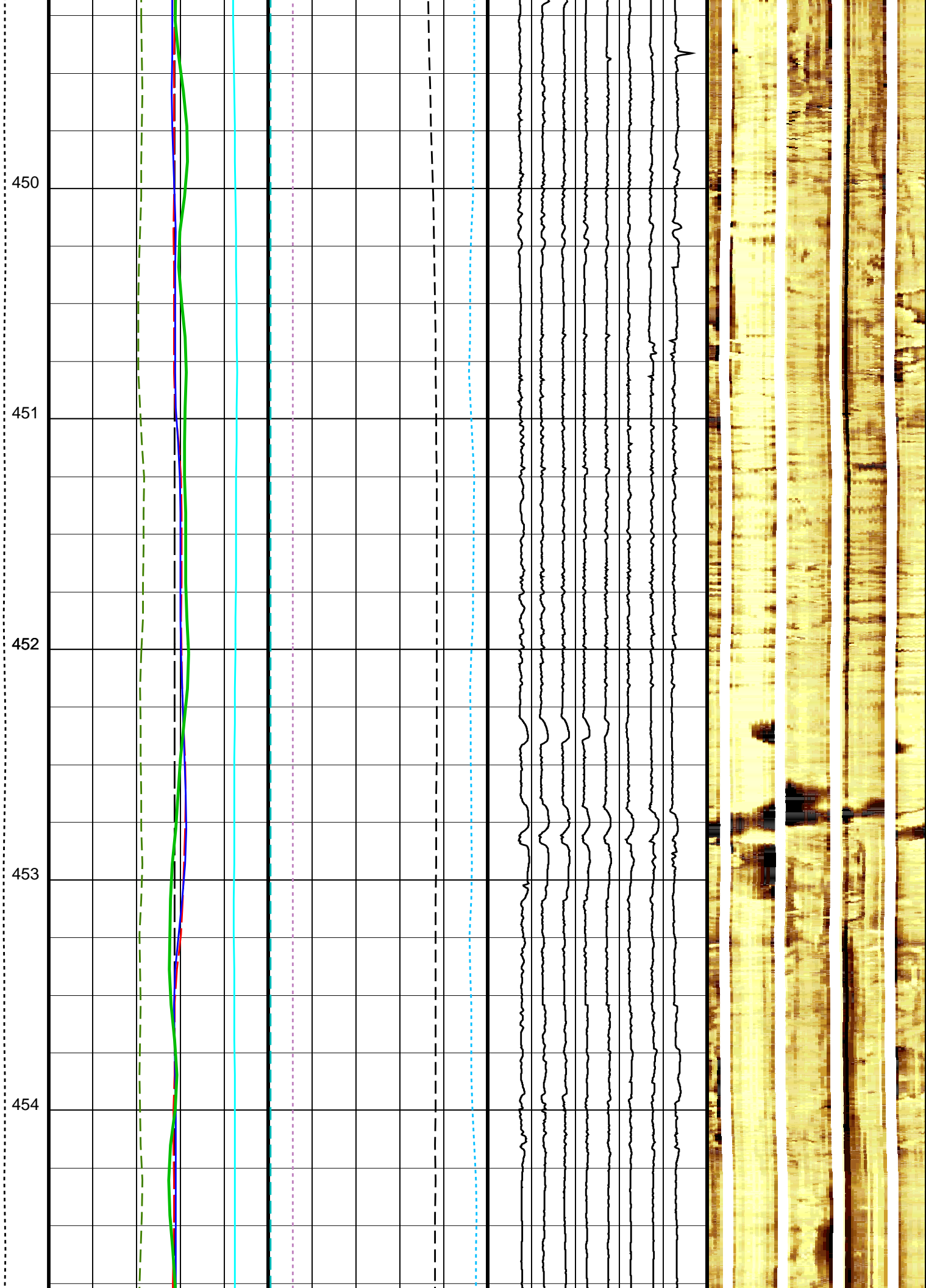
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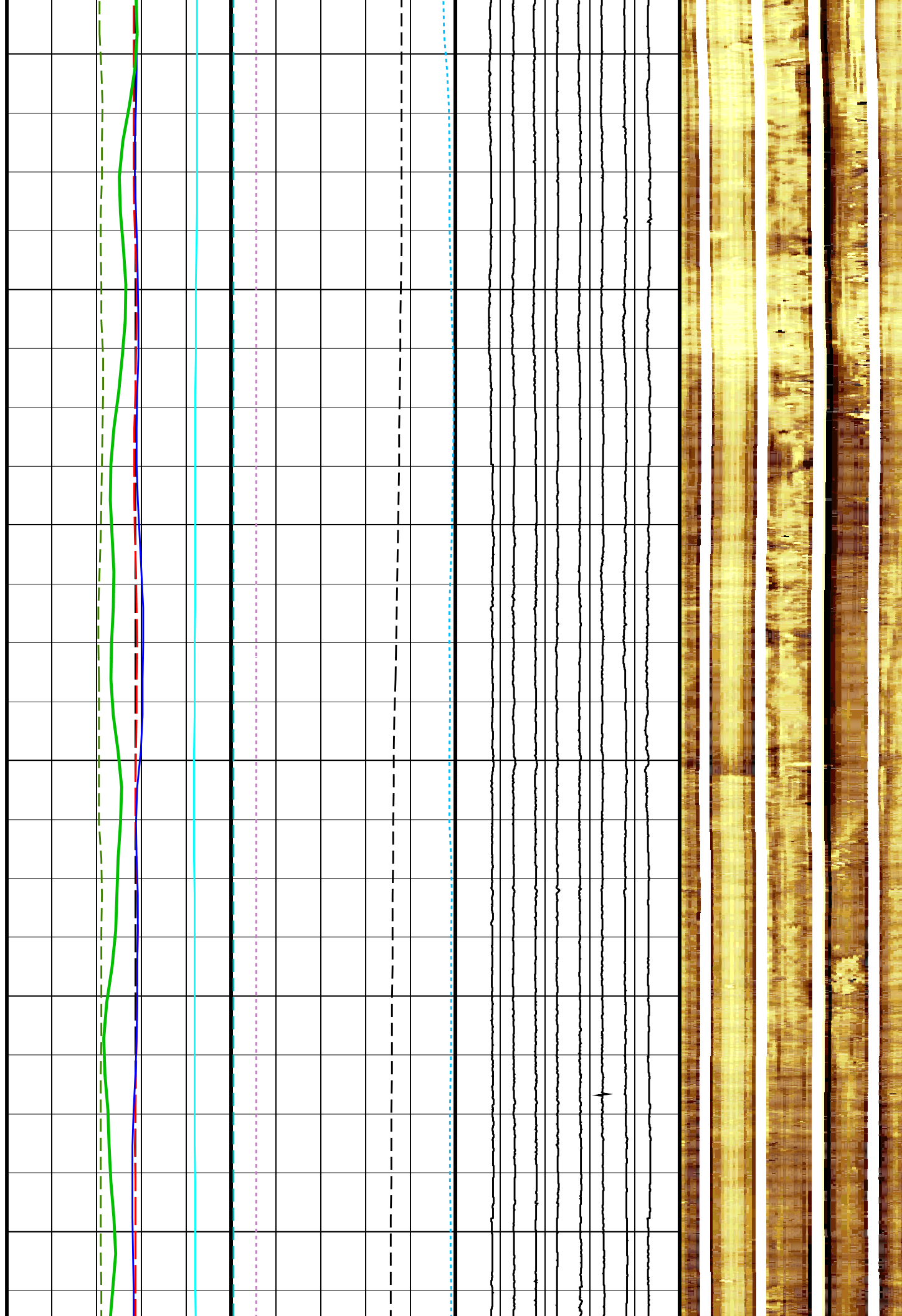
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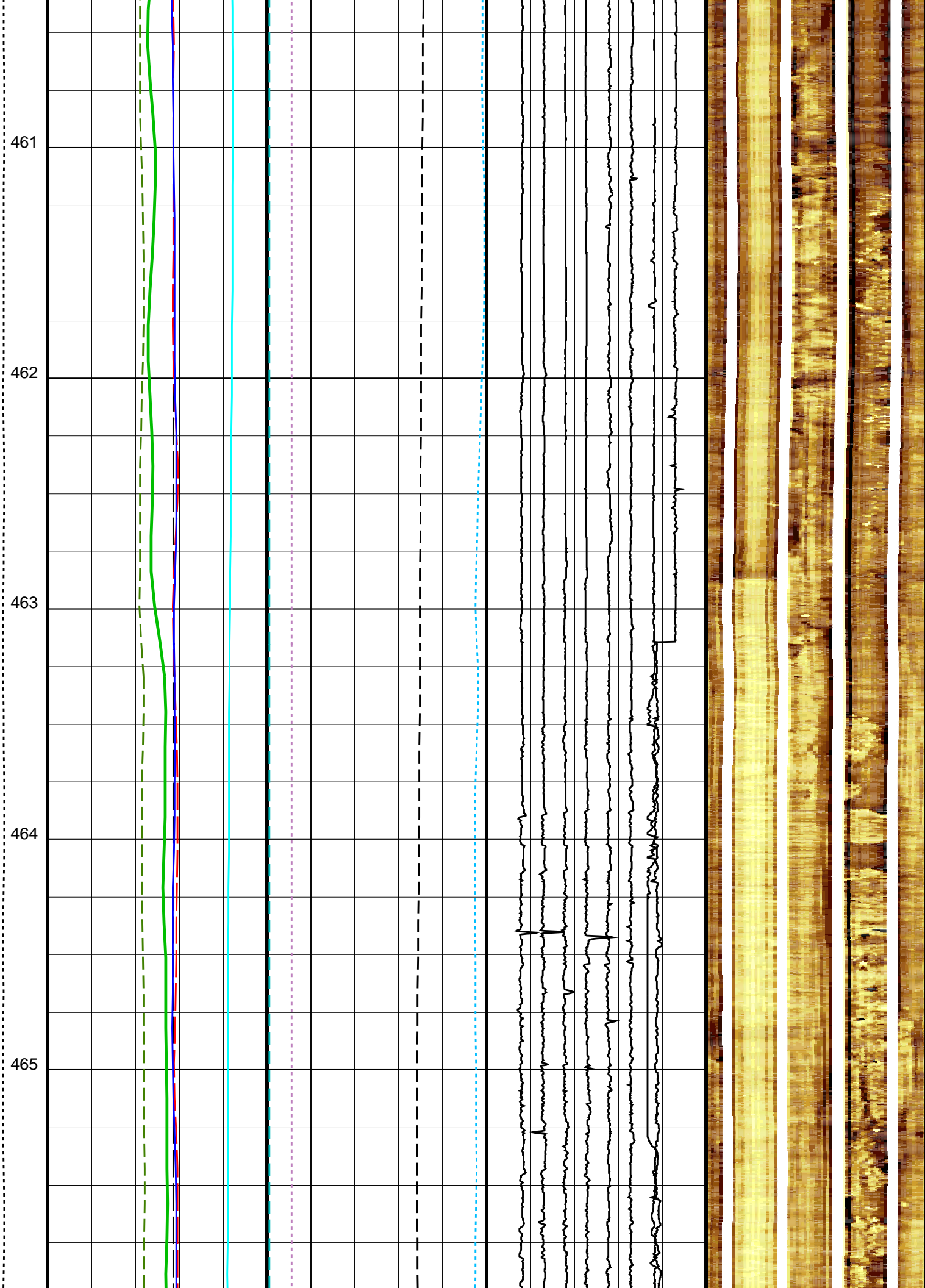
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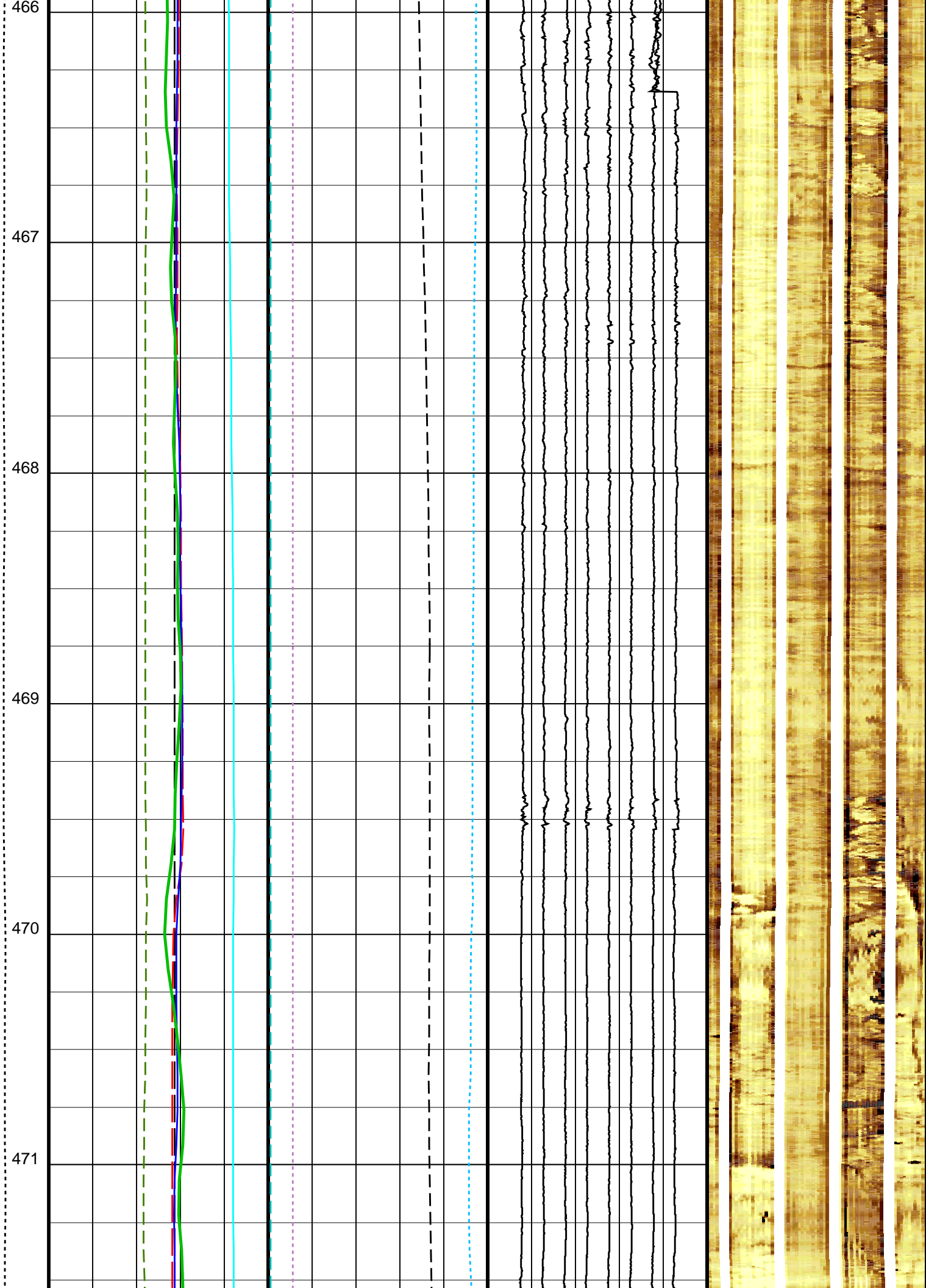
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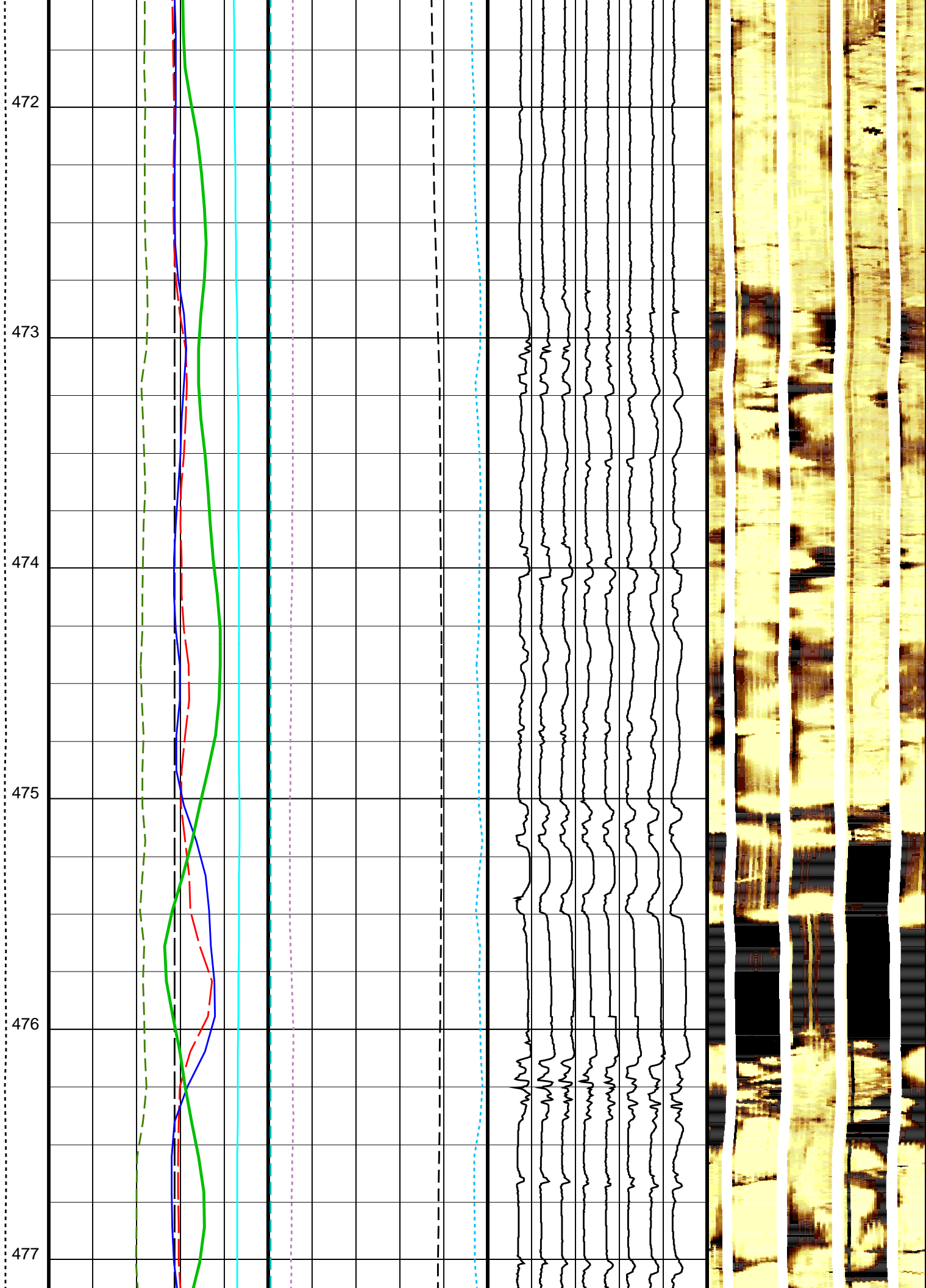


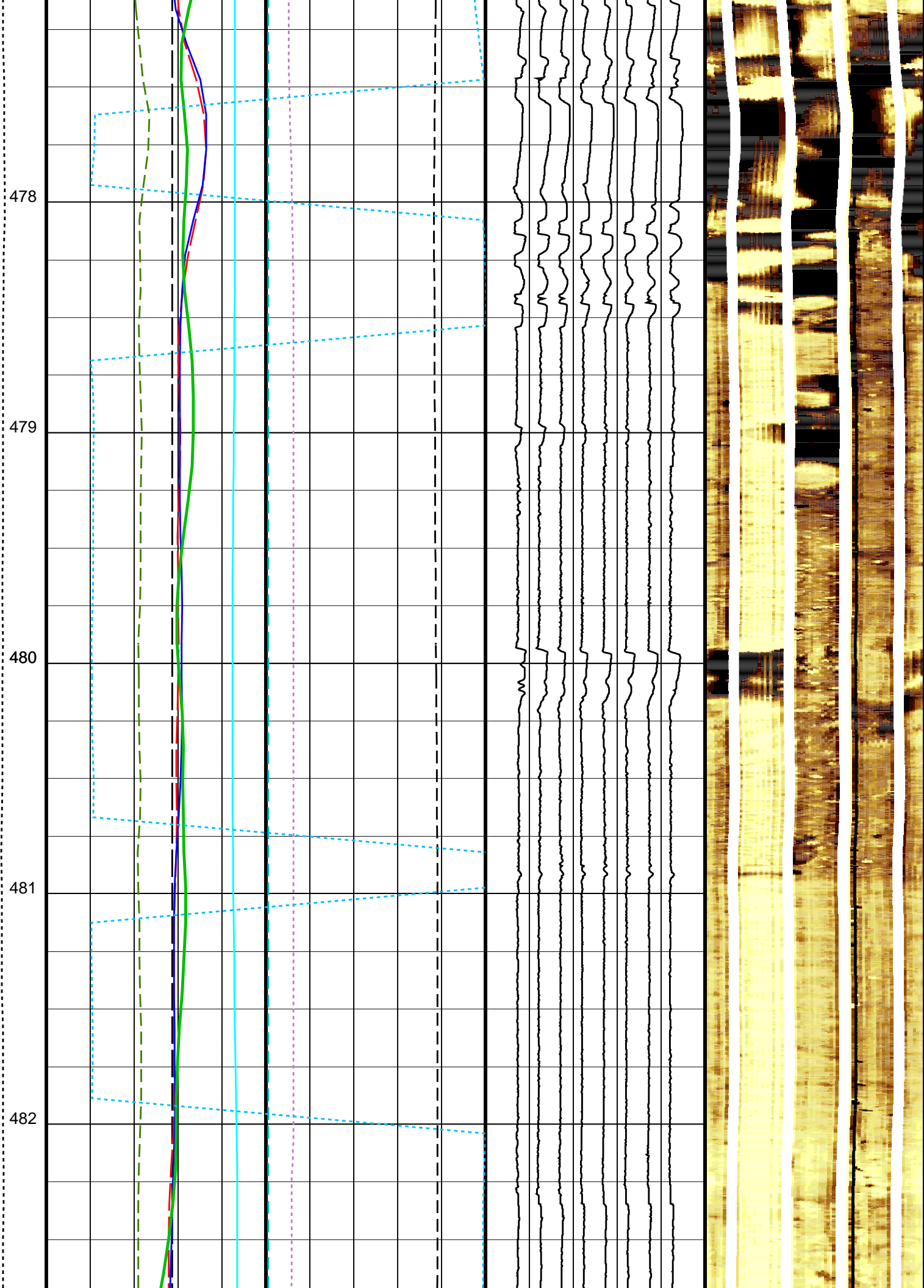












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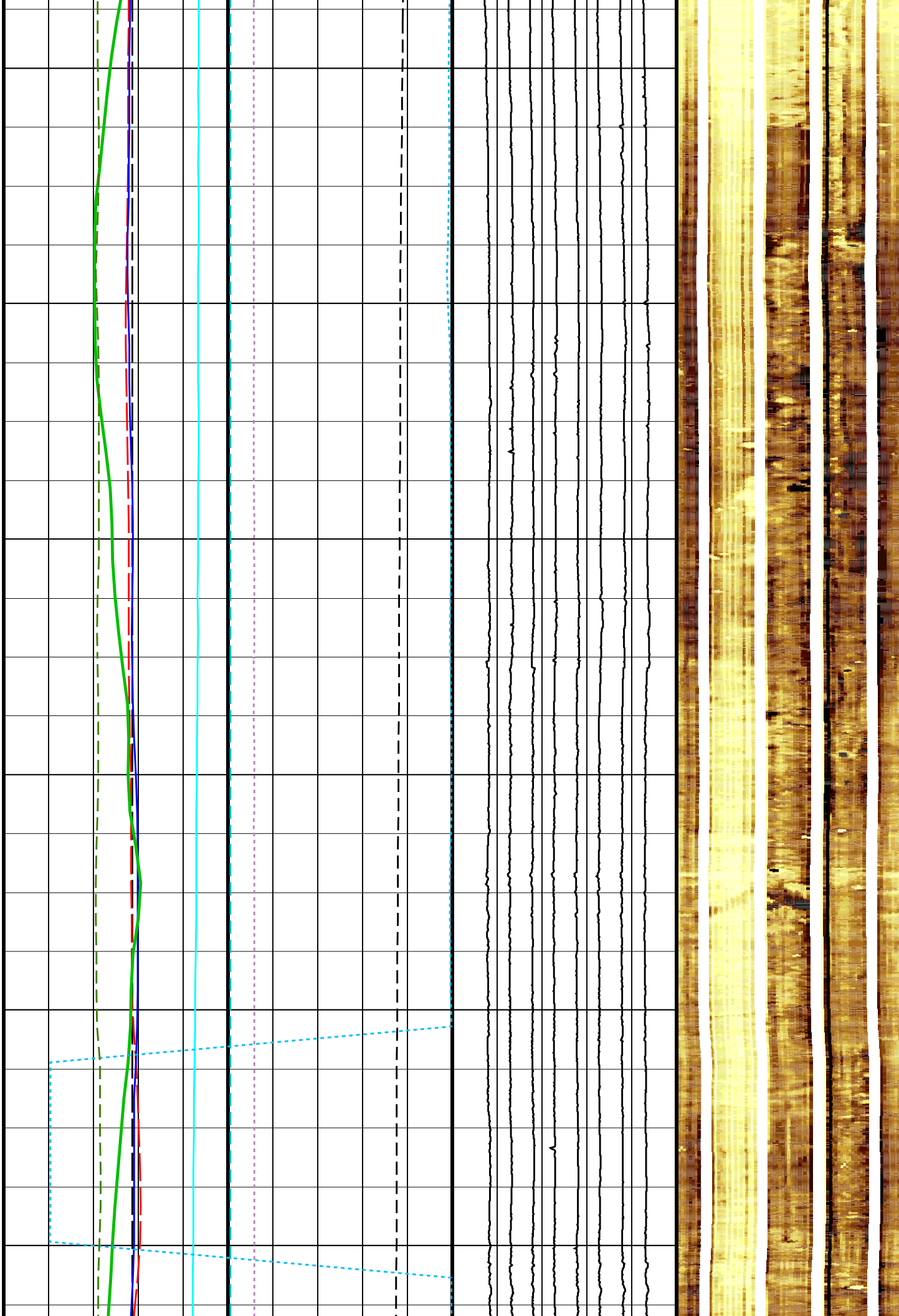
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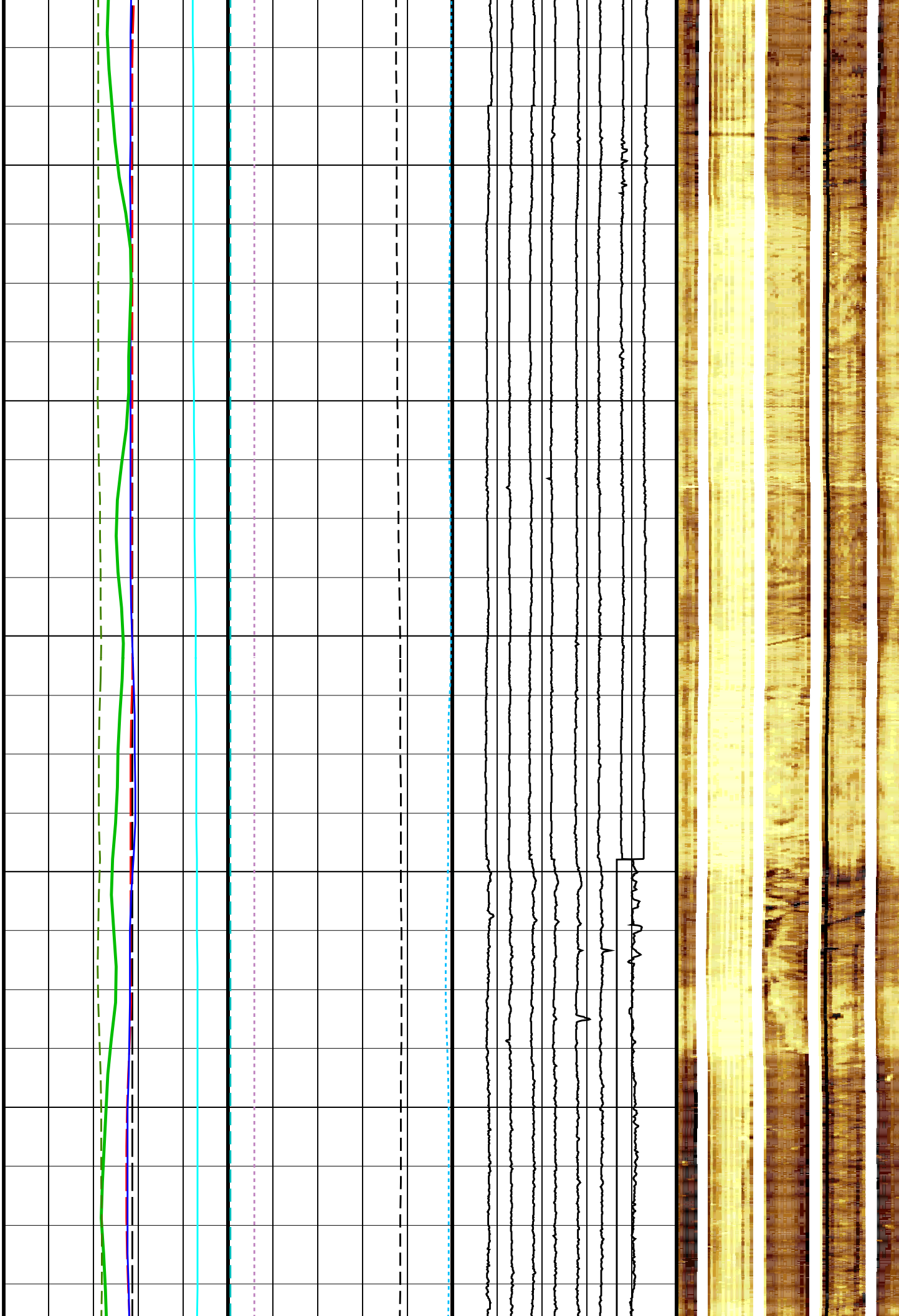
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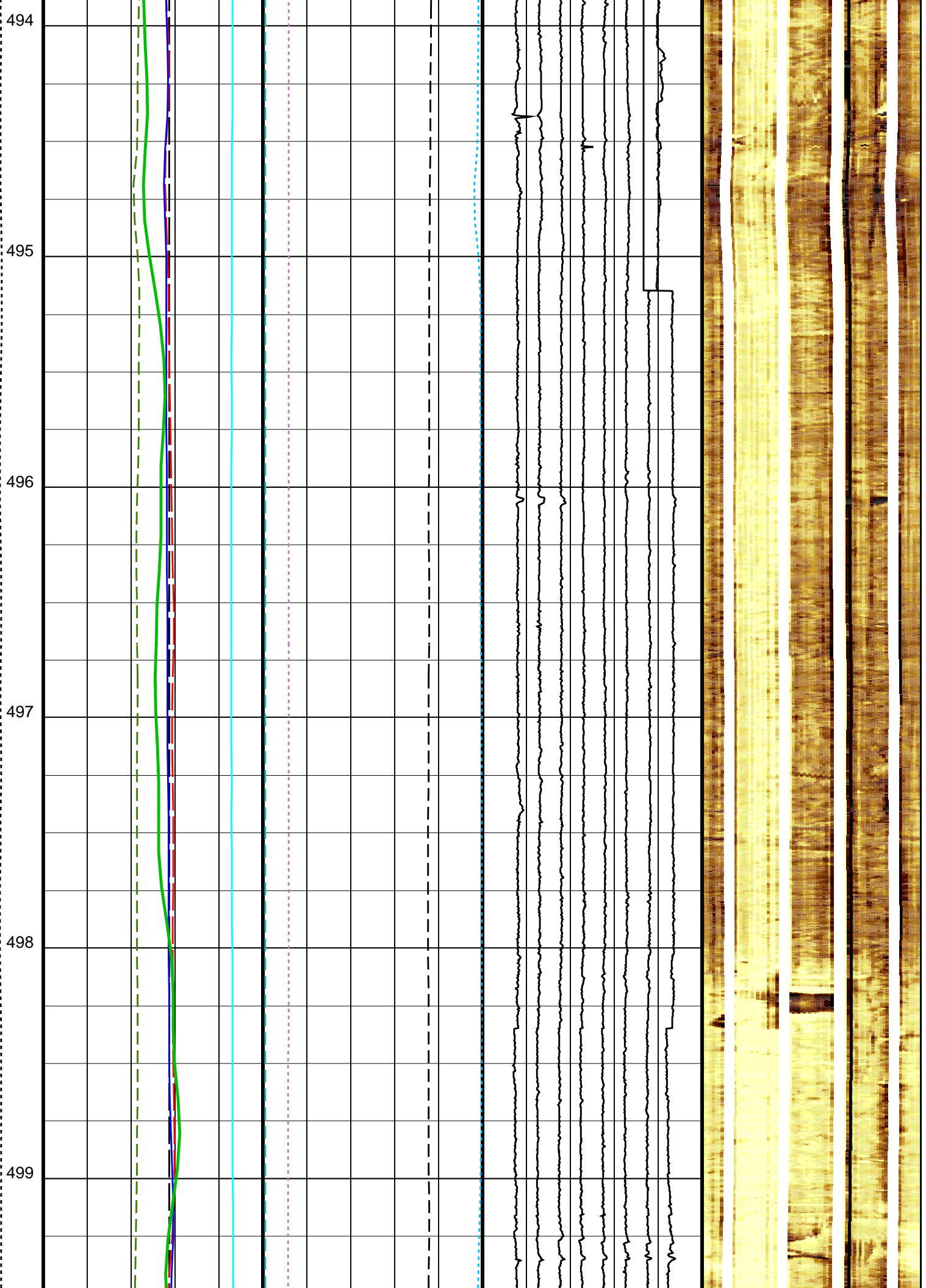
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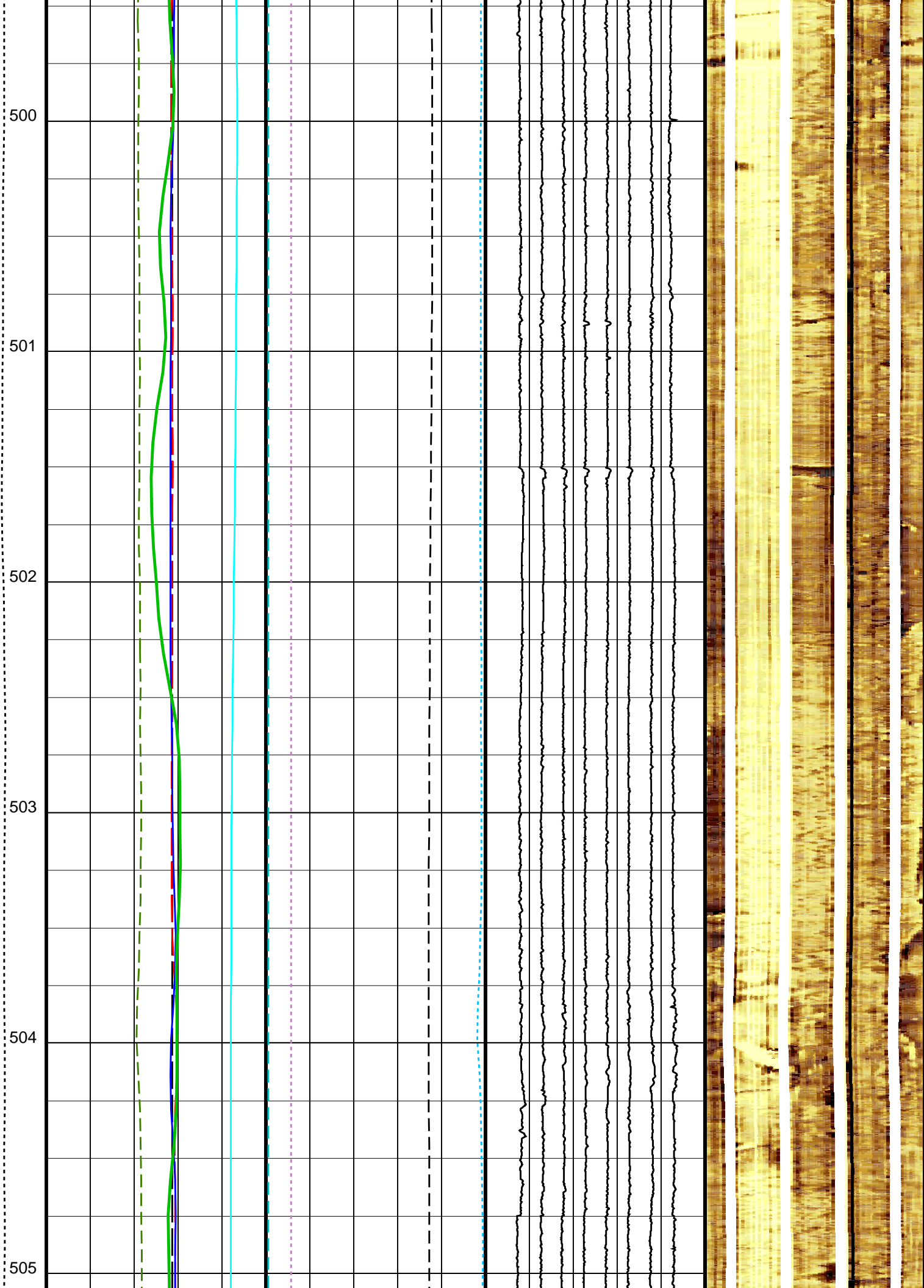
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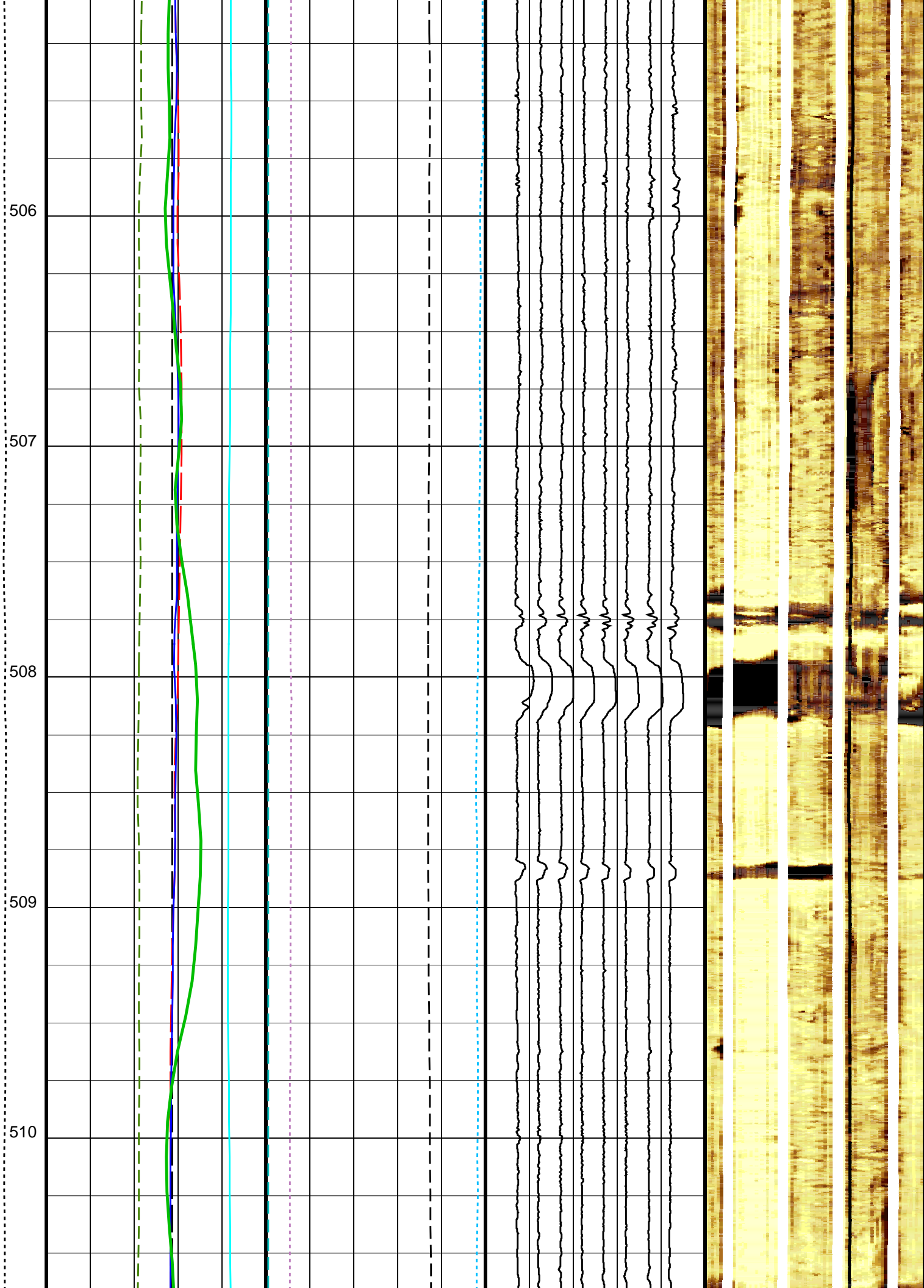
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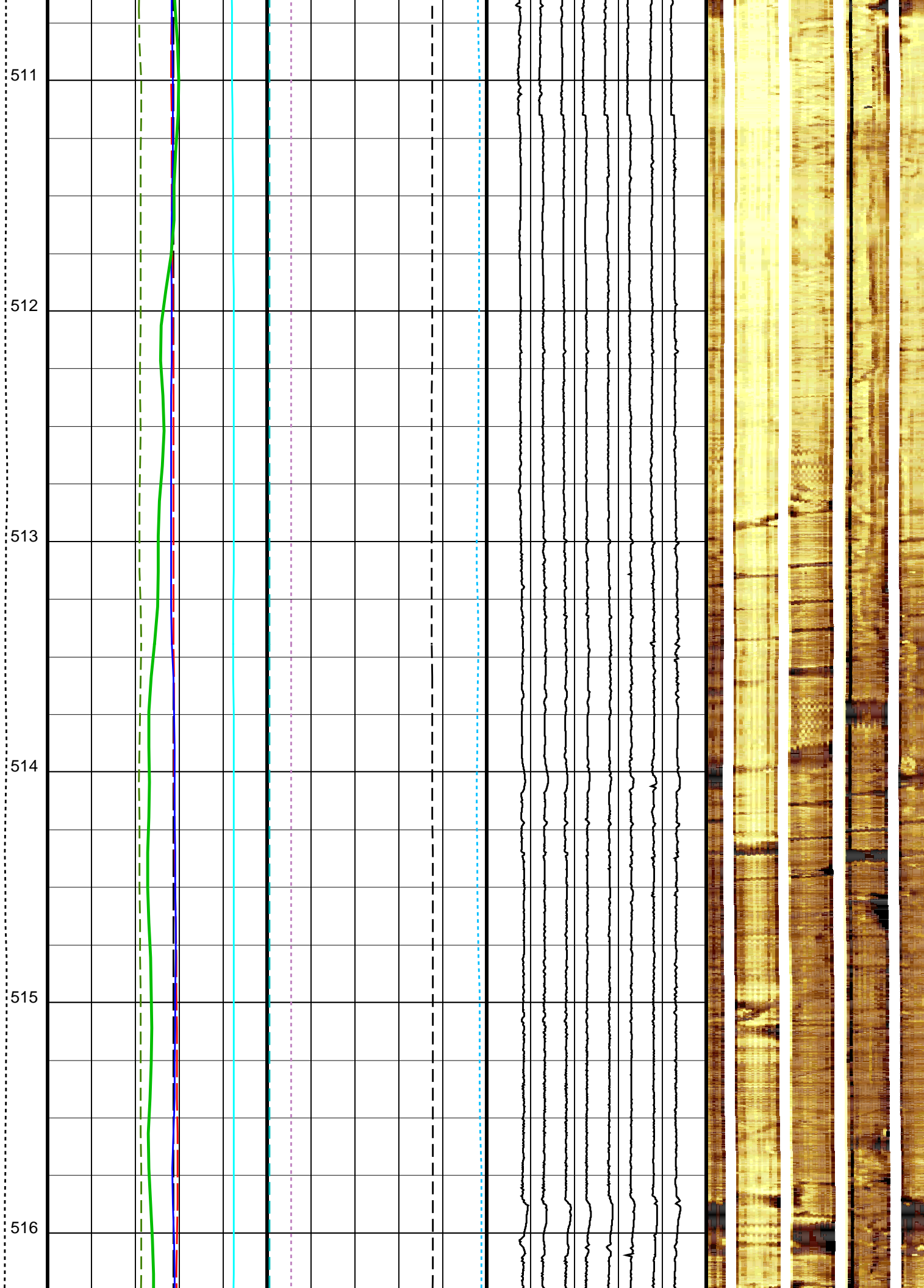




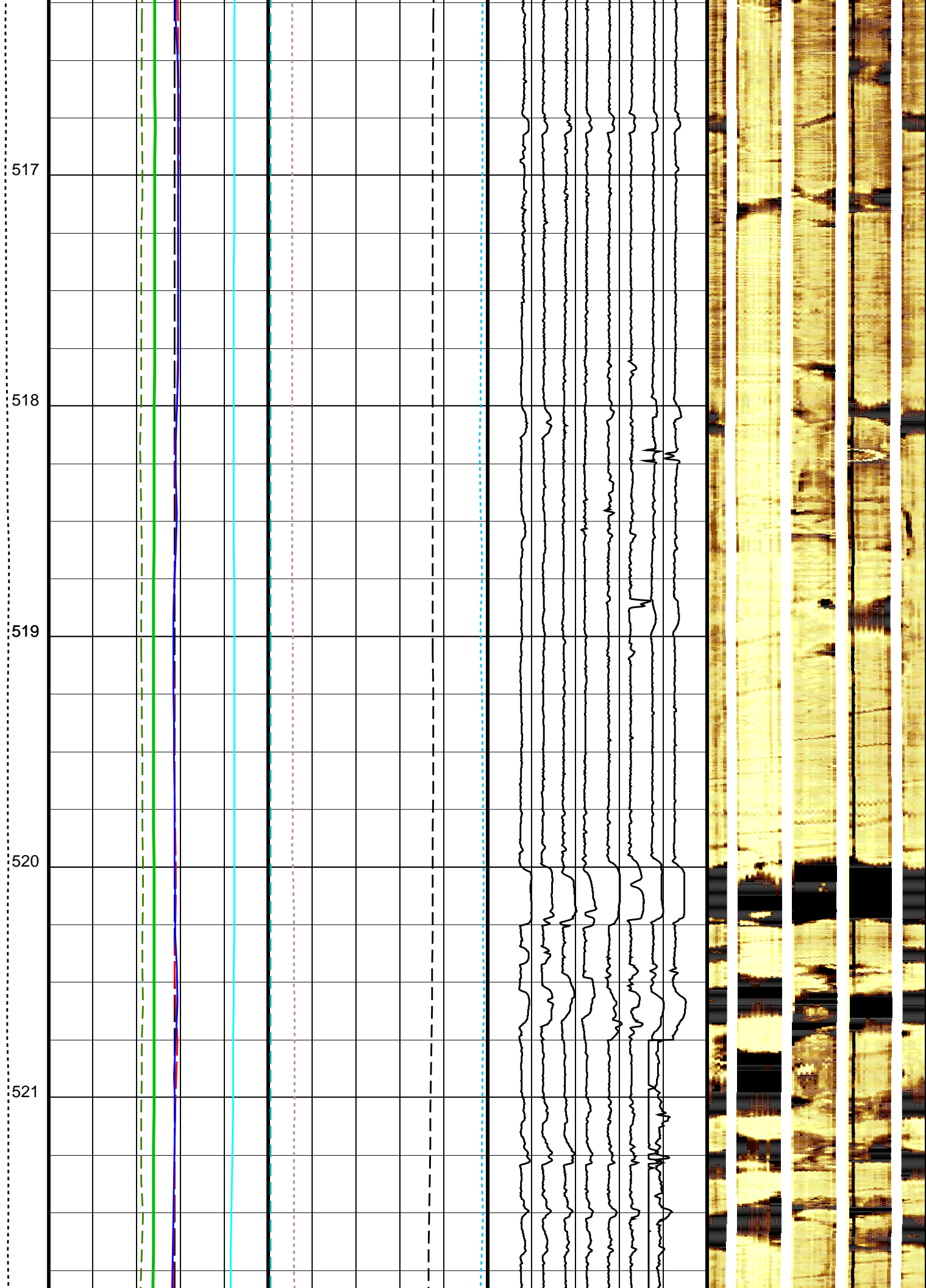












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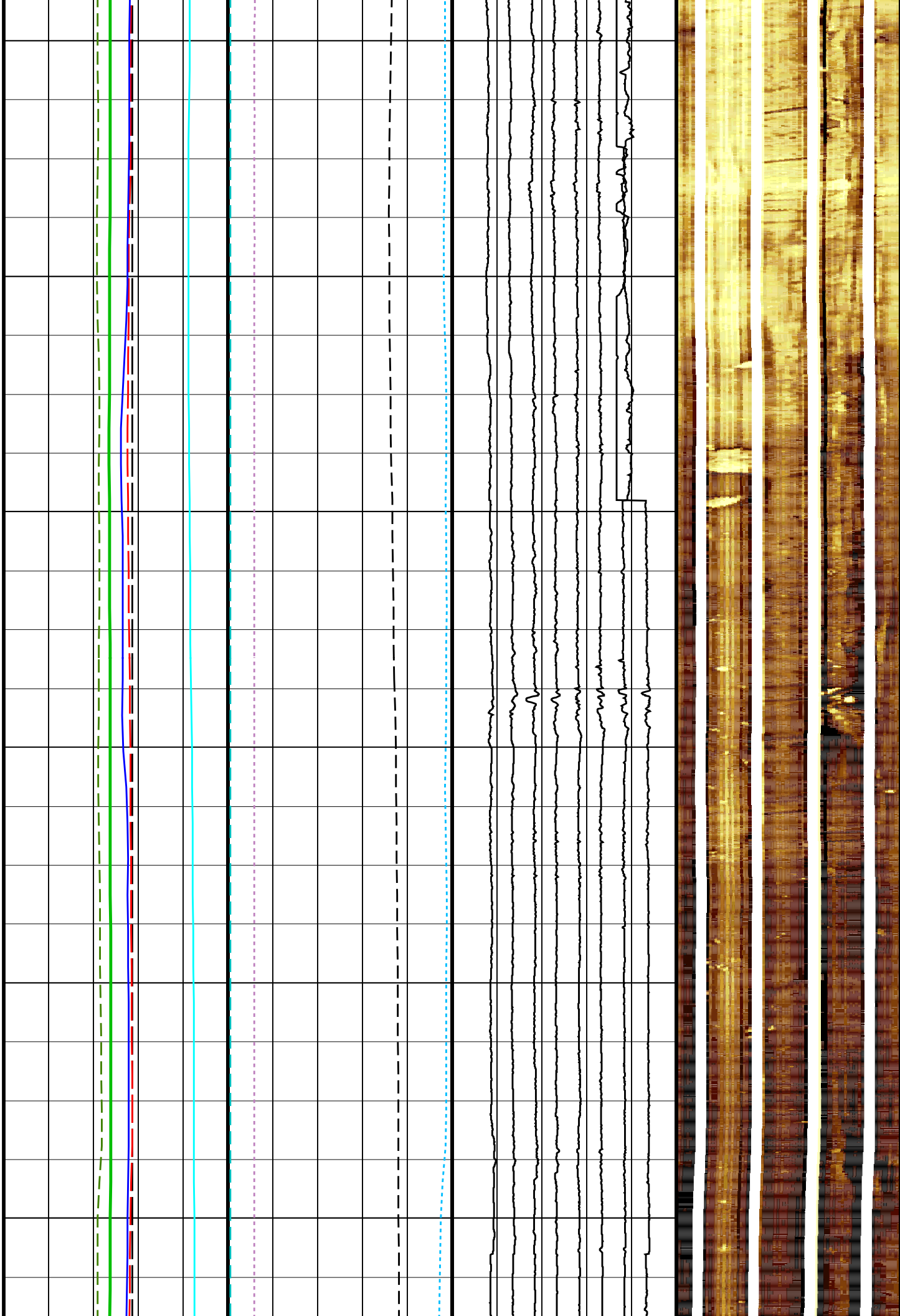
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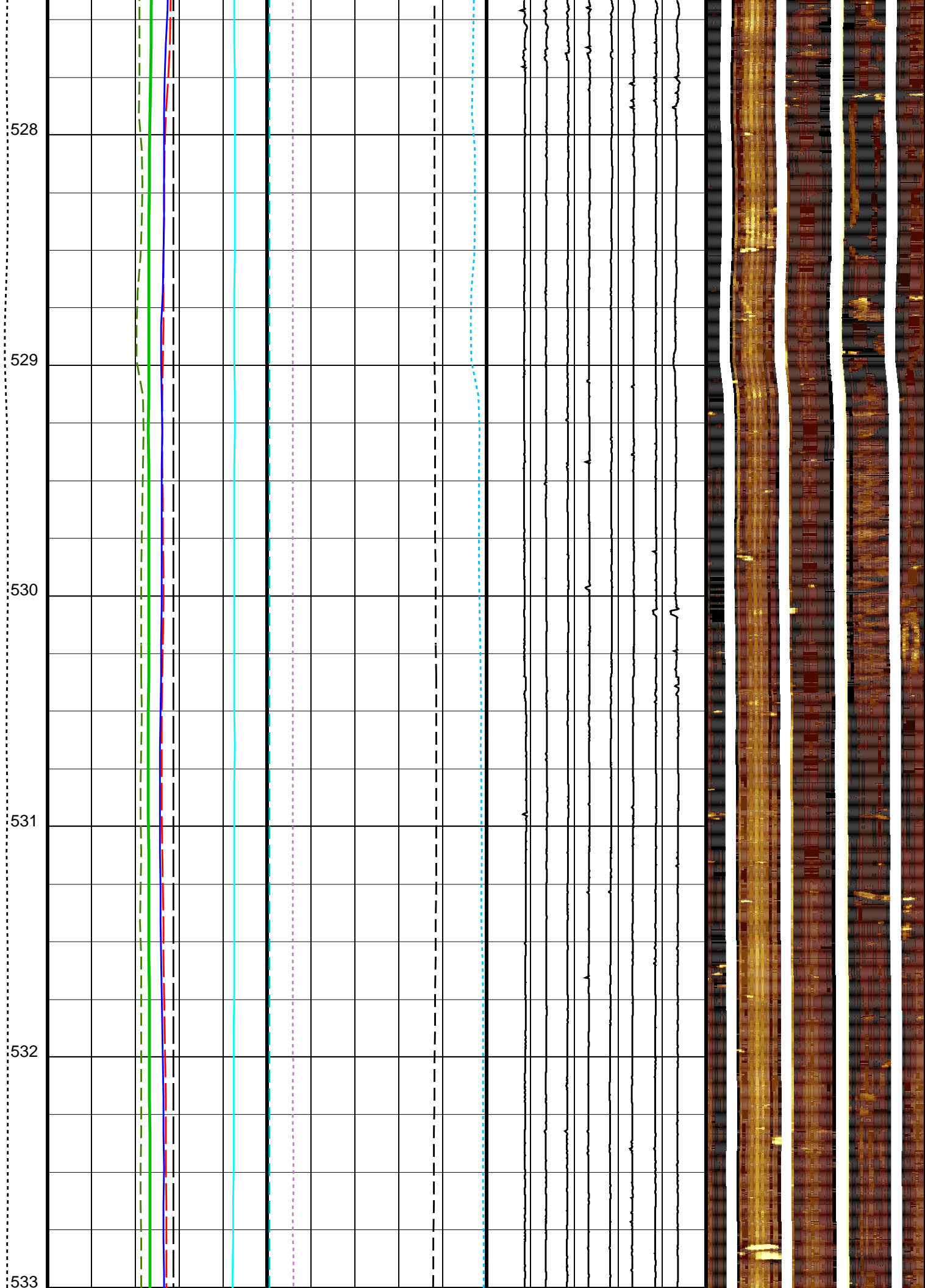
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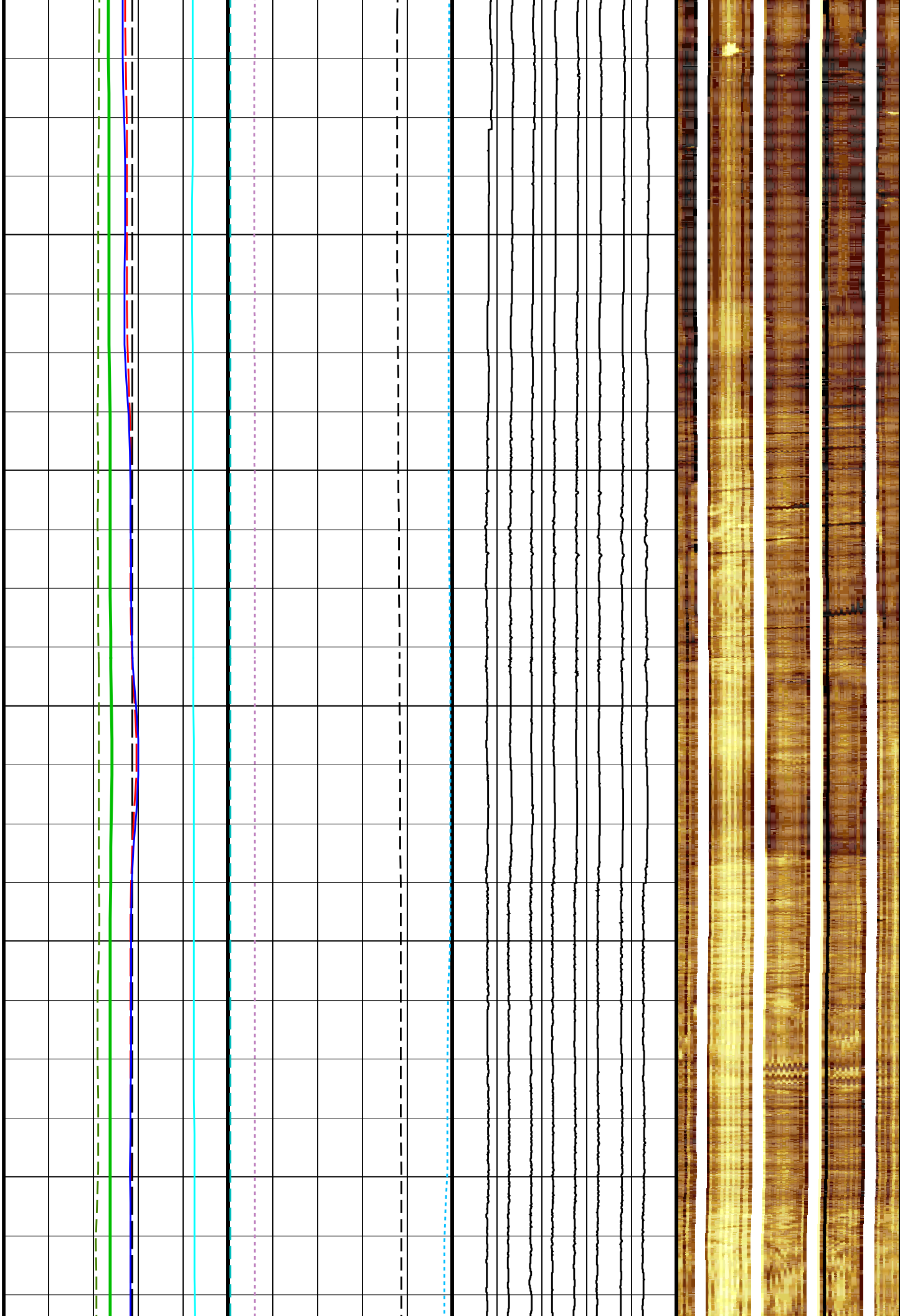
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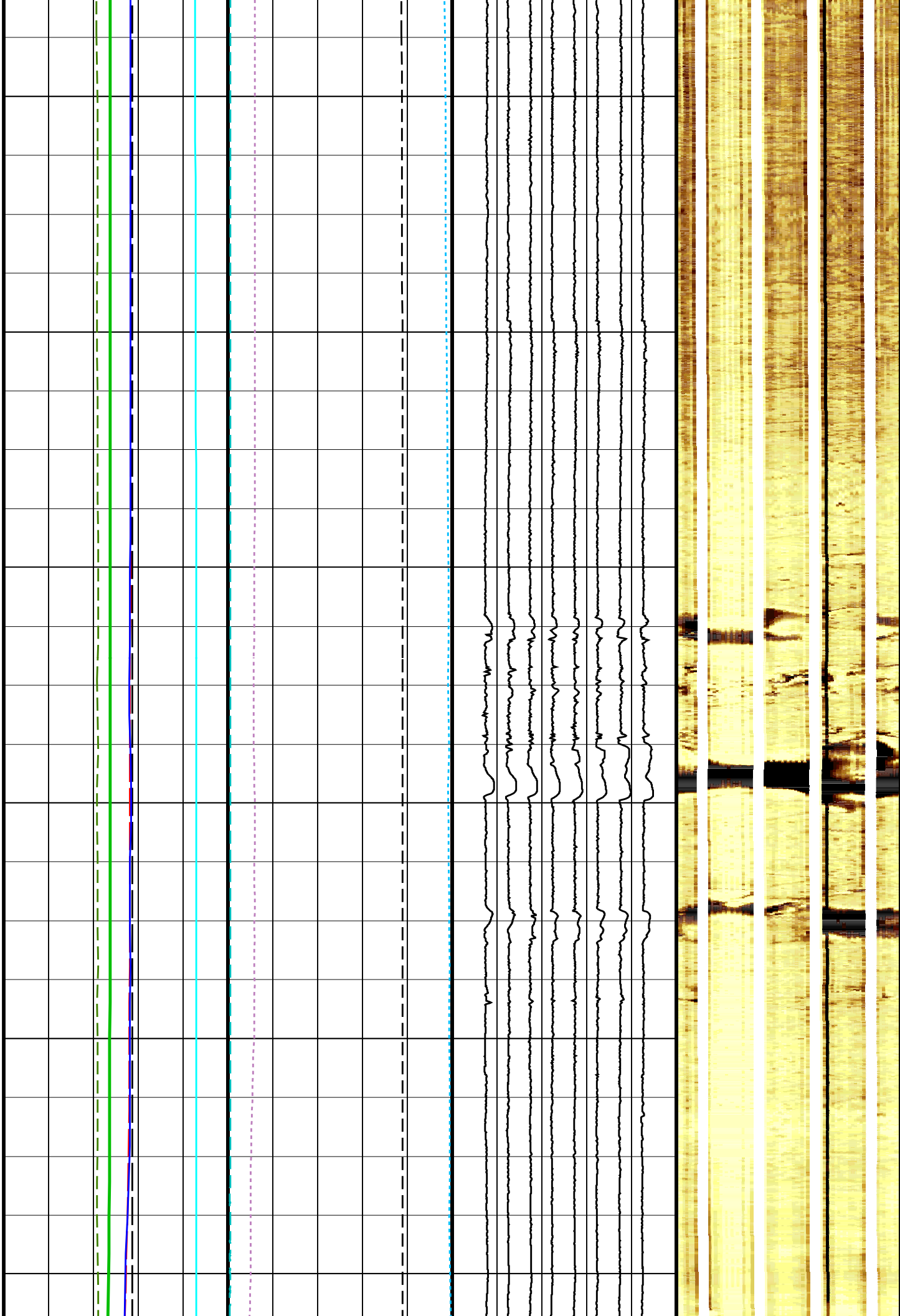
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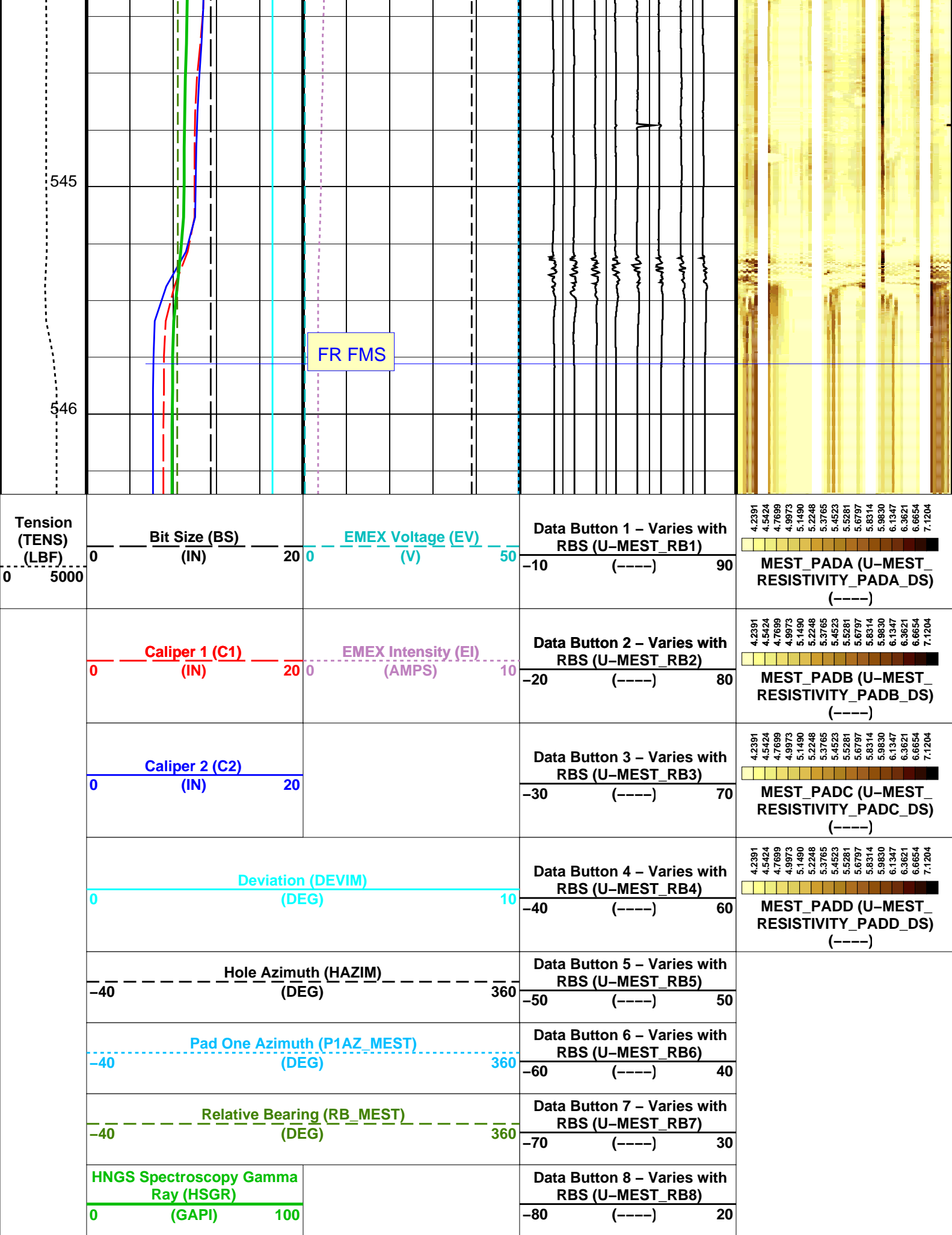
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## Parameters

DLIS Name	Description	Value
MEST-B: Micro Electrical Scanner – B (Slim)		
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION
MDEC	Magnetic Field Declination	15.1665 DEG
MLM	MEST Logging Mode	SCAN1800
RBS	Resistivity Button Selection	AUTO
XGAI	Gain	GAIN_2
XOFF	Offset	OFFSET_0
DSST-B: Dipole Shear Imager – B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	C1
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
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	C1
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	-0.014383
HALF	HNGS Alpha Filter Length	60 IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE
HMWM	Mud Weighting Material	BARI
HNPE	HNGS Processing Enable	YES
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	-999.25 CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	-999.25 CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES
TPOS	Tool Position	ECCE
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.99861
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.00455
EDTC-B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	C1
System and Miscellaneous		
BS	Bit Size	11.438 IN
DFD	Drilling Fluid Density	1.26 G/C3
DO	Depth Offset for Playback	-338.9 M
PP	Playback Processing	RECOMPUTE

Format: MEST\_C\_WRAP\_BY\_P1AZ Vertical Scale: 1:20

Graphics File Created: 09-Sep-2013 13:23

## OP System Version: 19C0-187

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

## Input DLIS Files

DEFAULT	FMS_DSI_NGS_014LUP	FN:13	PRODUCER	08-Sep-2013 05:44	884.7 M	292.3 M
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## Output DLIS Files

DEFAULT	FMS_DSI_NGS_034PUP	FN:39	PRODUCER	09-Sep-2013 13:23
CLIENT	FMS_DSI_NGS_034PUC	FN:40	CUSTOMER	09-Sep-2013 13:23

Schlumberger

Calibrations

### Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
<b>Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check</b>							
Master: 29-Jul-2013 20:46	Before: 30-Aug-2013 3:43	After: 30-Aug-2013 9:52					
Na 511 Peak Loc	40.00	39.74	39.66	39.66	-0.001842	1.000	
Na 511 Peak Res	15.50	15.31	14.99	15.59	0.6071	2.000	%
High Voltage	1150	1168	1175	1177	1.875	N/A	V
Na 1785 Peak Loc	142.6	142.6	141.1	143.1	1.995	7.000	
Na 1785 Peak Res	8.500	9.002	8.739	8.350	-0.3891	2.000	%
Temperature	15.50	21.46	30.66	29.21	-1.452	N/A	DEGC
Na Count Rate	45.00	15.10	12.22	12.96	0.7358	8.000	CPS
<b>Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check</b>							
Master: 29-Jul-2013 20:46	Before: 30-Aug-2013 3:43	After: 30-Aug-2013 9:52					
Na 511 Peak Loc	40.00	39.58	39.50	39.79	0.2864	1.000	
Na 511 Peak Res	15.50	16.04	16.51	15.30	-1.204	2.000	%
High Voltage	1150	1093	1109	1110	1.251	N/A	V
Na 1785 Peak Loc	142.6	141.7	143.1	142.4	-0.7710	7.000	
Na 1785 Peak Res	8.500	9.499	8.731	9.377	0.6464	2.000	%
Temperature	15.50	21.65	30.81	30.84	0.03577	N/A	DEGC
Na Count Rate	45.00	14.93	12.29	12.87	0.5788	8.000	CPS
<b>Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2</b>							
Master: 29-Jul-2013 20:46	Before: 30-Aug-2013 3:43	After: 30-Aug-2013 9:52					
Coincidence Count Rate Ratio	1.000	1.015	0.9928	1.007	0.01398	0.05000	
<b>Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration</b>							
Before: 30-Aug-2013 3:44							
EDTC Z-Axis Acceleration	9.810	N/A	9.794	N/A	N/A	N/A	M/S2
<b>Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration</b>							
Before: 30-Aug-2013 3:38							
Gamma Ray (Jig – Bkg)	204.1	N/A	204.1	N/A	N/A	18.55	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI

### Litho-Density Spectroscopy Cartridge – B / Equipment Identification

Primary Equipment:		
LDSC Cartridge	LDSC – B	326
Auxiliary Equipment:		
LDSC Housing	LDSH – A	303

### 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	HNSH – BA	205
Gamma Source Radioactive	GSR – U	616008




Hostile Natural Gamma Ray Sonde Wellsite Calibration

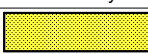


Detector 1 Check														
Phase	Na 511 Peak Loc		Value	Phase	Na 511 Peak Res %		Value	Phase	High Voltage V		Value			
Master			39.74	Master			15.31	Master			1168			
Before			39.66	Before			14.99	Before			1175			
After			39.66	After			15.59	After			1177			
37.50 (Minimum)			40.00 (Nominal)	43.50 (Maximum)			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			142.6	Master			9.002	Master			21.46			
Before			141.1	Before			8.739	Before			30.66			
After			143.1	After			8.350	After			29.21			
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			15.10											
Before			12.22											
After			12.96											
10.00 (Minimum)			45.00 (Nominal)									100.0 (Maximum)		
Master: 29-Jul-2013 20:46				Before: 30-Aug-2013 3:43				After: 30-Aug-2013 9:52						

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			39.58	Master			16.04	Master			1093			
Before			39.50	Before			16.51	Before			1109			
After			39.79	After			15.30	After			1110			
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			141.7	Master			9.499	Master			21.65			
Before			143.1	Before			8.731	Before			30.81			
After			142.4	After			9.377	After			30.84			
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			14.93											
Before			12.29											
After			12.87											
10.00 (Minimum)			45.00 (Nominal)									100.0 (Maximum)		
Master: 29-Jul-2013 20:46				Before: 30-Aug-2013 3:43				After: 30-Aug-2013 9:52						

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		1.015
Before		0.9928
After		1.007
0.9500 (Minimum)		1.000 (Nominal)
		1.050 (Maximum)
Master: 29-Jul-2013 20:46		
Before: 30-Aug-2013 3:43		
After: 30-Aug-2013 9:52		

Primary Equipment:		
EDTC Gamma Ray Detector	EDTG – A/B	8305
Enhanced DTS Cartridge	EDTC – B	8317
Auxiliary Equipment:		
EDTC Housing	EDTH – B	8303

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.794
	9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)	
Before: 30-Aug-2013 3:44		

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					1.864	Before					204.1	Before					165.0
	0	30.00	120.0			185.5	204.1	222.7			150.0	165.0	180.0				
Before: 30-Aug-2013 3:38																	

Company: **Lamont Doherty Earth Observatory**

**Schlumberger**

Well: **Expedition 346, Site U1427A**

Field: **Asian Monsoon**

Rig: **JOIDES Resolution**

Country: **USA**

FMS Microresistivity