

DISCLAIMER

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OTHER SERVICES1

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


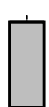
REMARKS: RUN NUMBER 1

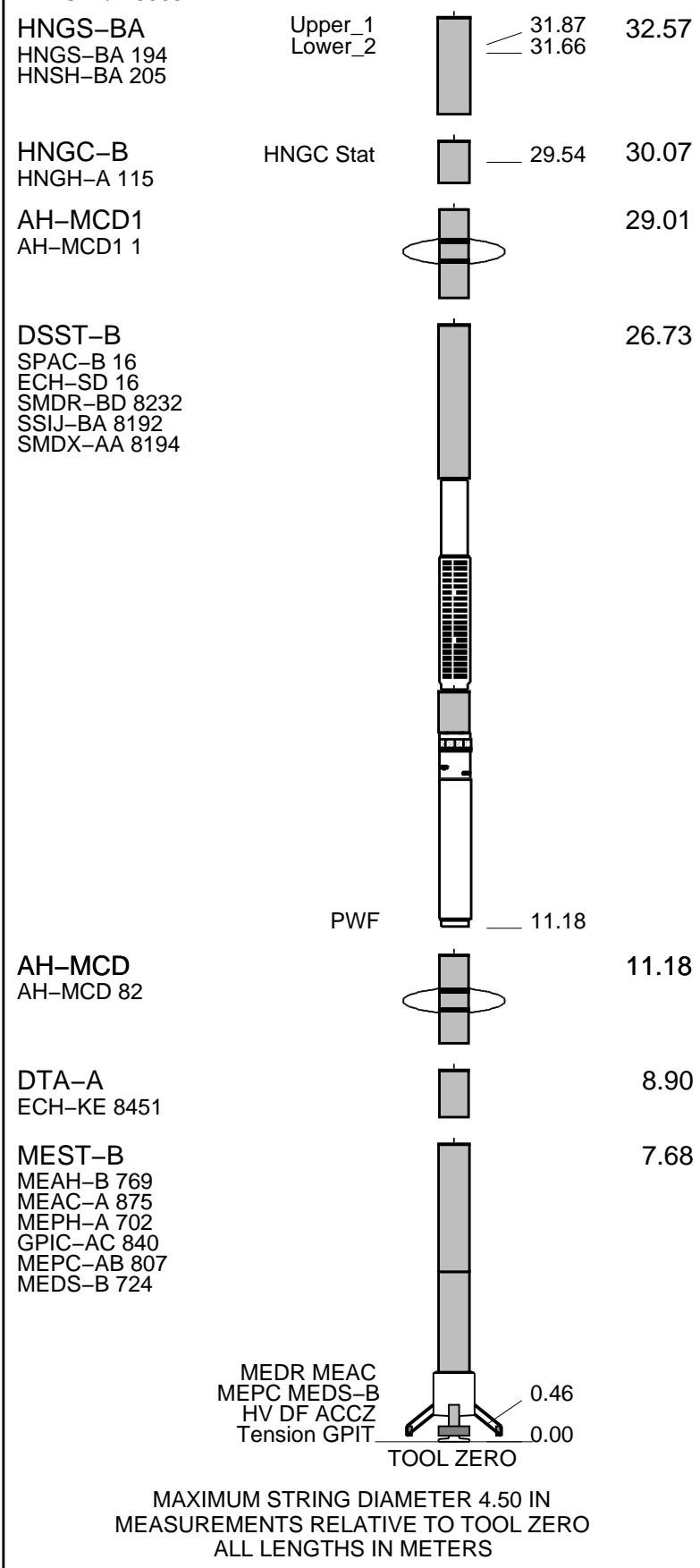
Hole drilled and cored using APC/XCB coring system.
 Modified MCD devices run above and below HRLA for centralization.
 HLDS and MSS eccentralized by caliper and bowspring with knuckled to decouple from HRLA.
 LFV Actuator (Go-Devil) run attached to bottom of MSS for LFV locking open / closed.
 Logs recorded from drill floor (1919.1m above permanent datum) then shifted to zero at sea floor.
 Active Heave Compensator (AHC) switched off at 120mbsf to facilitate pipe entry.
 Caliper closed at 99mbsf to facilitate pipe entry.
 Run 1 Main pass used as depth reference for logging job; all other runs/passes correlated to that main pass.
 AHC not used for downlog, but engaged prior to opening calipers for repeat section and used for both up passes.
 Unable to descend below 398.6mbsf on this run; logs recorded from that depth.

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION: 19C0-187			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1	RUN 2
SURFACE EQUIPMENT	
GSR-U 616008 WITM (EDTS)-A	

RUN 1	RUN 2
DOWNHOLE EQUIPMENT	
LEH-MT 101 LEH-MT 101 101 EDTC-B EDTH-B 8303 EDTC-B 8317 EDTG-A/B 8305	MDSB_EDTC Mud Tempe CTEM Gamma Ray EFTB DIAG TelStatus EDTCB Ele
	34.55 33.49 32.92
	35.51 34.55 32.57



Production String	(in)	(m)	Well Schematic	(m)	(in)	Casing String
	OP	ID		MD	MD	

Kelly Bushing Elevation

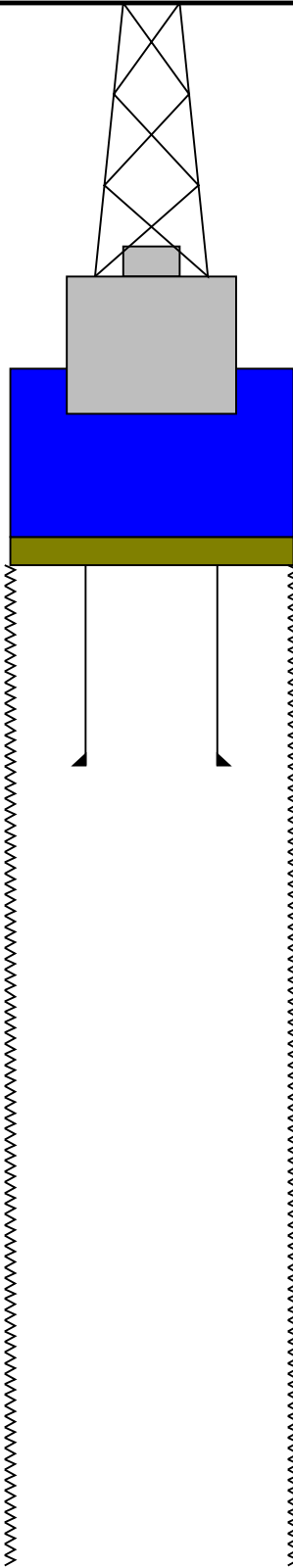
Derrick Floor Elevation

Mean Sea Level

-1919.1

-1919.1

-1908.1



0.0

Sea Bed

81.9

5.500

4.000

Bit

407.3

11.750

Total Depth - Driller

Schlumberger

First Pass

MAXIS Field Log

Company: Lamont Doherty Earth Observatory

Well: Expedition 346, Site U1425B

Input DLIS Files

DEFAULT	FMS_DSI_NGS_020LUP	FN:19	PRODUCER	30-Aug-2013 13:10	2313.4 M	2006.2 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_036PUP	FN:38	PRODUCER	31-Aug-2013 13:43	397.3 M	124.1 M
CLIENT	FMS_DSI_NGS_036PUC	FN:39	CUSTOMER	31-Aug-2013 13:43	397.3 M	124.1 M

Indexed to Speed Corrected Depth in this Playback

OP System Version: 19C0-187

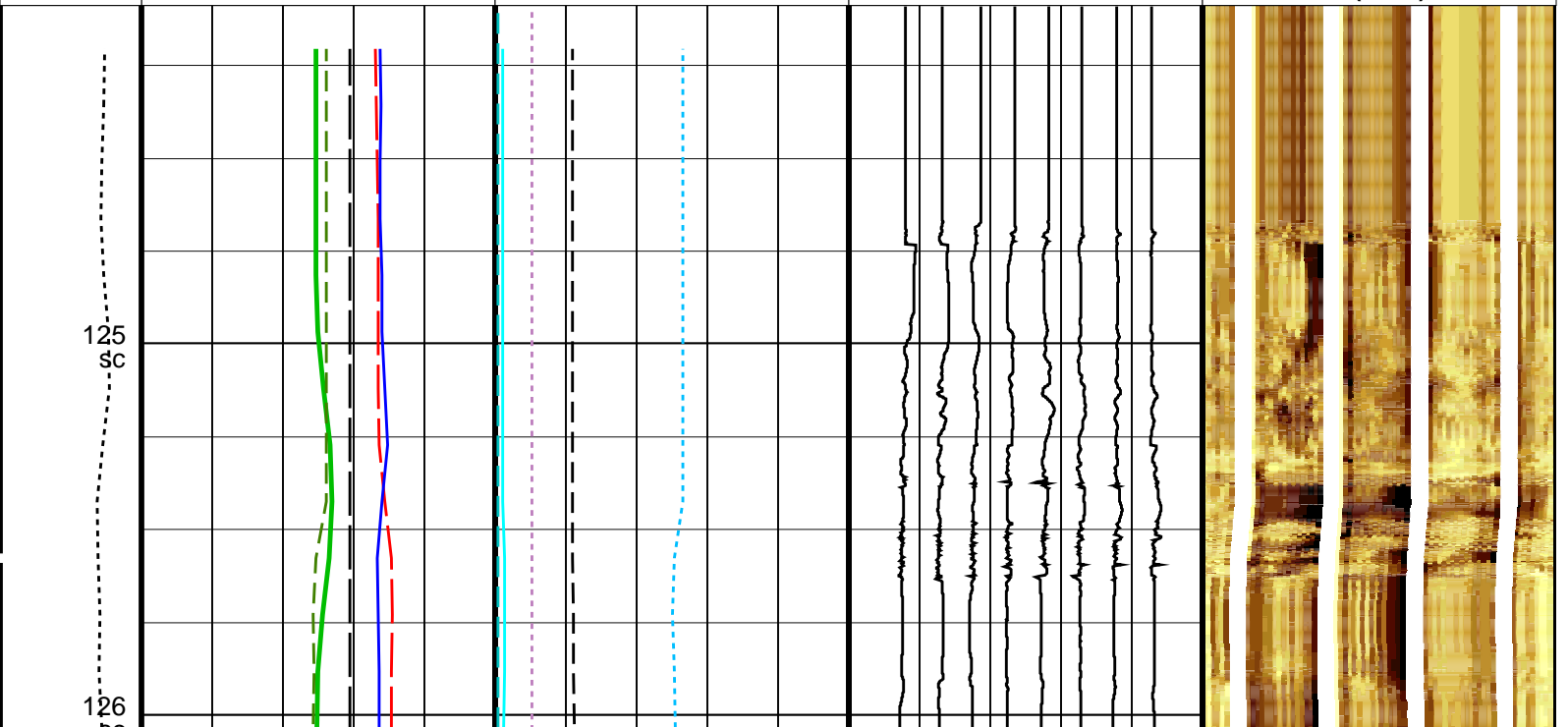
MEST-B 19C0-187
DSST-B 19C0-187

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

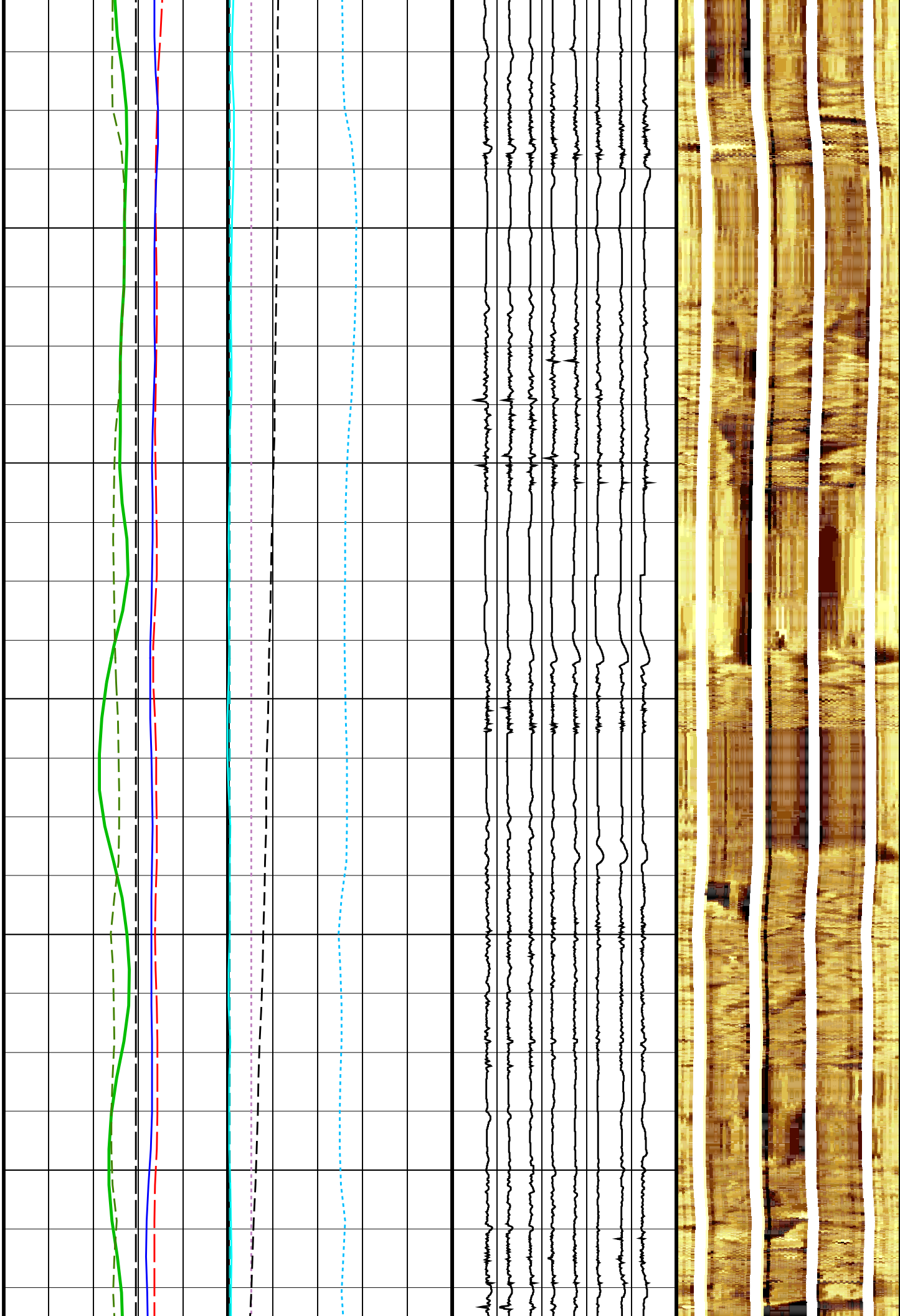
PIP SUMMARY

Time Mark Every 60 S

<p>HNGS Spectroscopy Gamma Ray (HSGR) 0 (GAPI) 100</p>	<p>Data Button 8 - Varies with RBS (U-MEST_RB8) -80 (----) 20</p>	
<p>Relative Bearing (RB_MEST) -40 (DEG) 360</p>	<p>Data Button 7 - Varies with RBS (U-MEST_RB7) -70 (----) 30</p>	
<p>Pad One Azimuth (P1AZ_MEST) -40 (DEG) 360</p>	<p>Data Button 6 - Varies with RBS (U-MEST_RB6) -60 (----) 40</p>	
<p>Hole Azimuth (HAZIM) -40 (DEG) 360</p>	<p>Data Button 5 - Varies with RBS (U-MEST_RB5) -50 (----) 50</p>	
<p>Deviation (DEVIM) 0 (DEG) 10</p>	<p>Data Button 4 - Varies with RBS (U-MEST_RB4) -40 (----) 60</p>	<p>3.6969 4.2330 4.5547 4.8764 4.9836 5.1981 5.4125 5.6270 5.8414 5.9486 6.1631 6.4848 6.6992 7.0209 7.4498 8.0932</p> <p>MEST_PADD (U-MEST_RESISTIVITY_PADD_DS) (----)</p>
<p>Caliper 2 (C2) 0 (IN) 20</p>	<p>Data Button 3 - Varies with RBS (U-MEST_RB3) -30 (----) 70</p>	<p>3.6969 4.2330 4.5547 4.8764 4.9836 5.1981 5.4125 5.6270 5.8414 5.9486 6.1631 6.4848 6.6992 7.0209 7.4498 8.0932</p> <p>MEST_PADC (U-MEST_RESISTIVITY_PADC_DS) (----)</p>
<p>Caliper 1 (C1) 0 (IN) 20 EMEX Intensity (EI) 0 (AMPS) 10</p>	<p>Data Button 2 - Varies with RBS (U-MEST_RB2) -20 (----) 80</p>	<p>3.6969 4.2330 4.5547 4.8764 4.9836 5.1981 5.4125 5.6270 5.8414 5.9486 6.1631 6.4848 6.6992 7.0209 7.4498 8.0932</p> <p>MEST_PADB (U-MEST_RESISTIVITY_PADB_DS) (----)</p>
<p>Tension (TENS) (LBF) 0 5000 Bit Size (BS) 0 (IN) 20 EMEX Voltage (EV) 0 (V) 50</p>	<p>Data Button 1 - Varies with RBS (U-MEST_RB1) -10 (----) 90</p>	<p>3.6969 4.2330 4.5547 4.8764 4.9836 5.1981 5.4125 5.6270 5.8414 5.9486 6.1631 6.4848 6.6992 7.0209 7.4498 8.0932</p> <p>MEST_PADA (U-MEST_RESISTIVITY_PADA_DS) (----)</p>



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132
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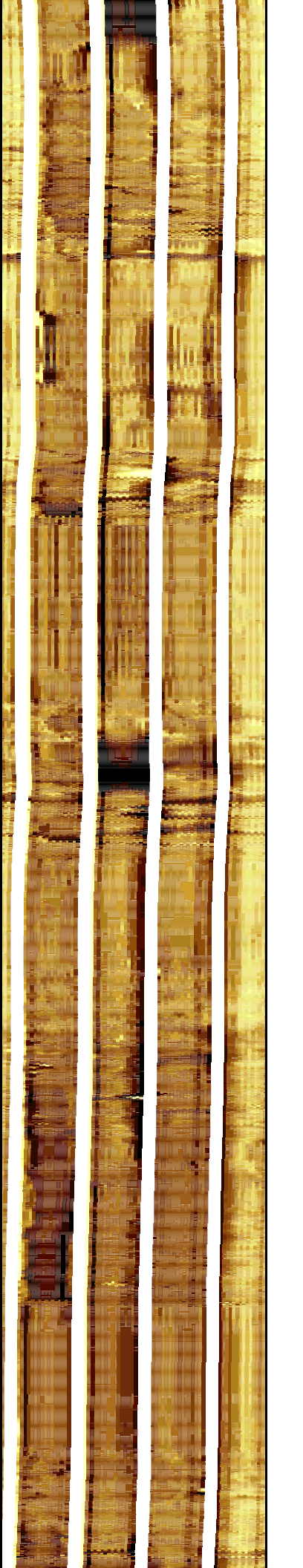
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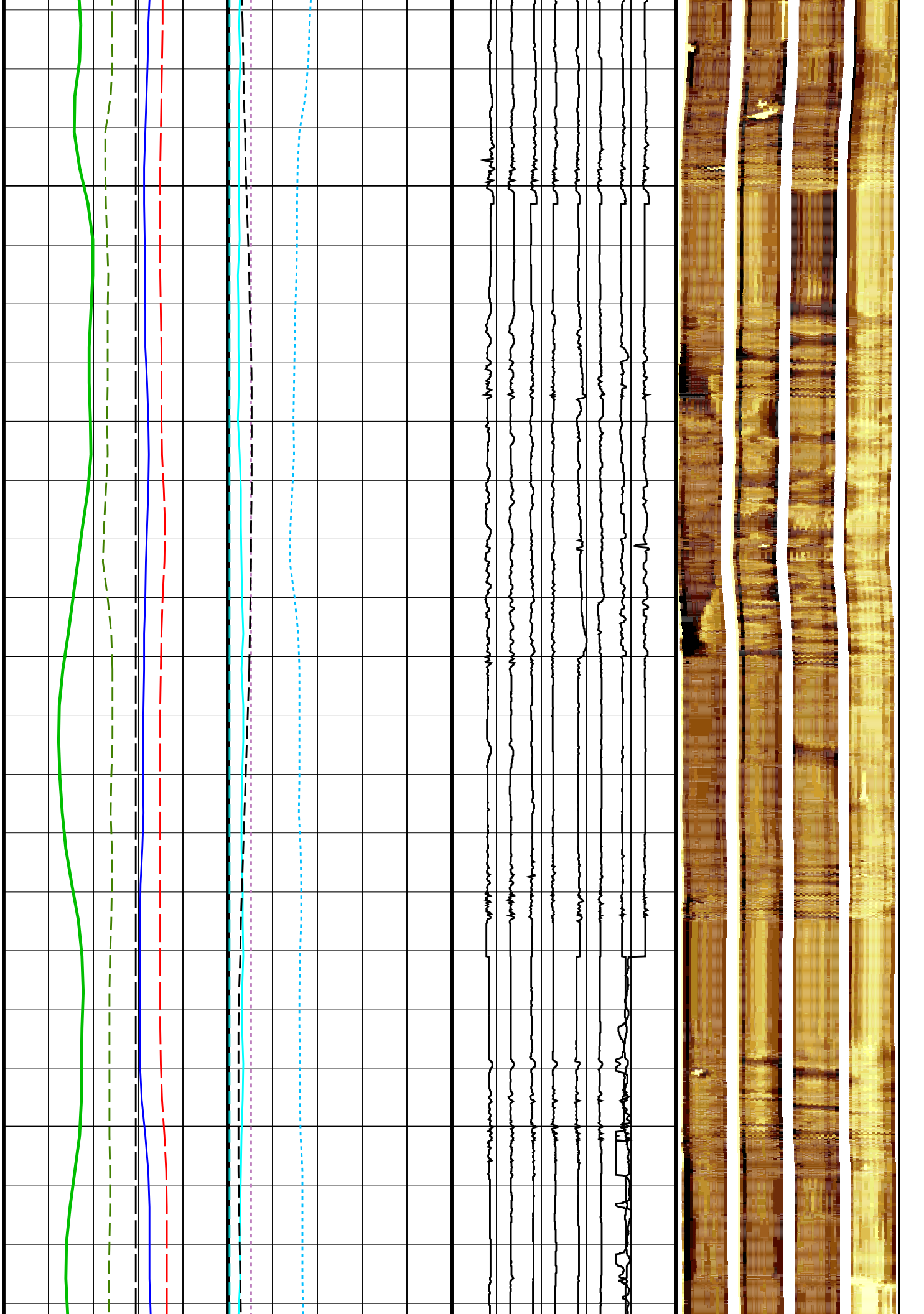
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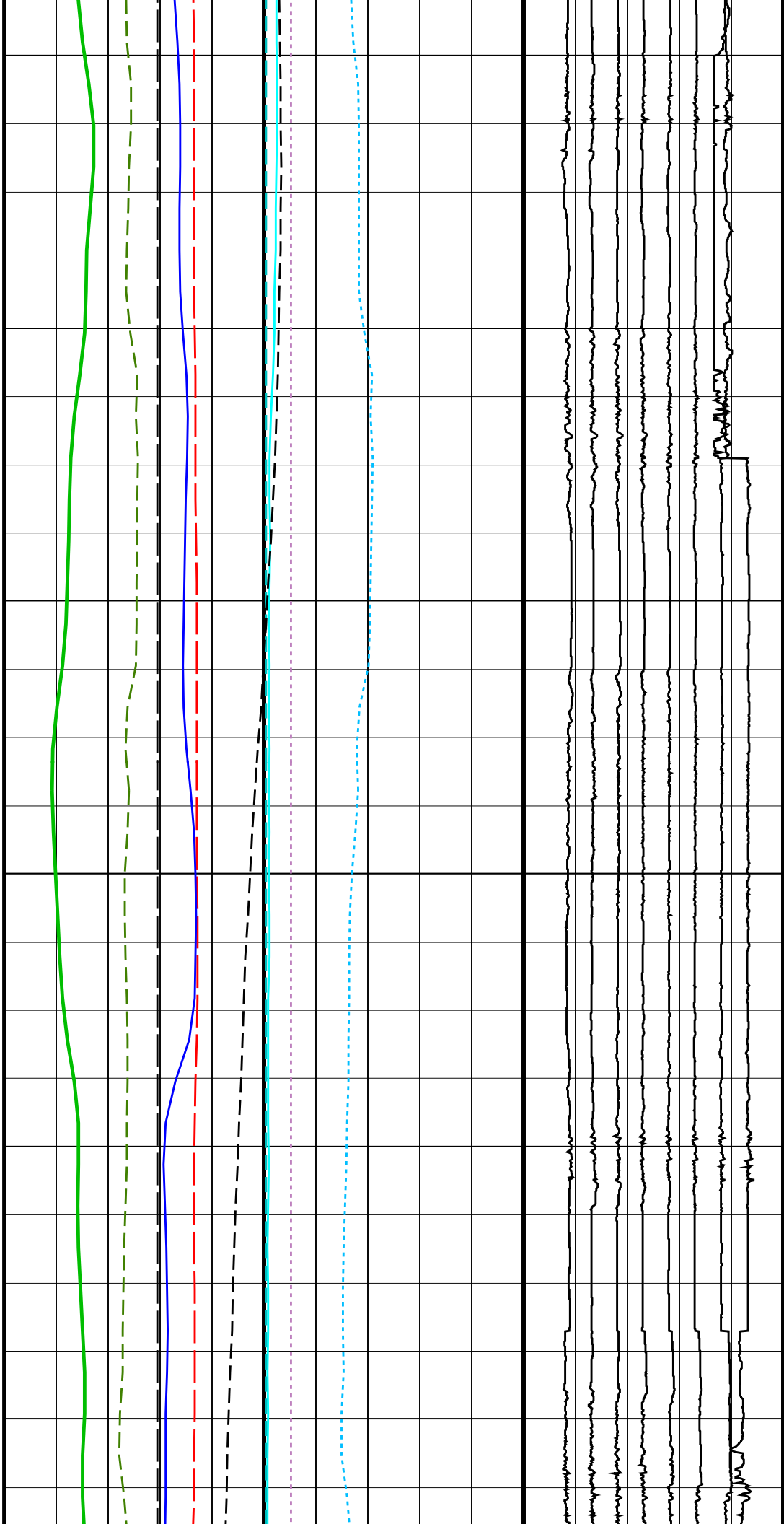
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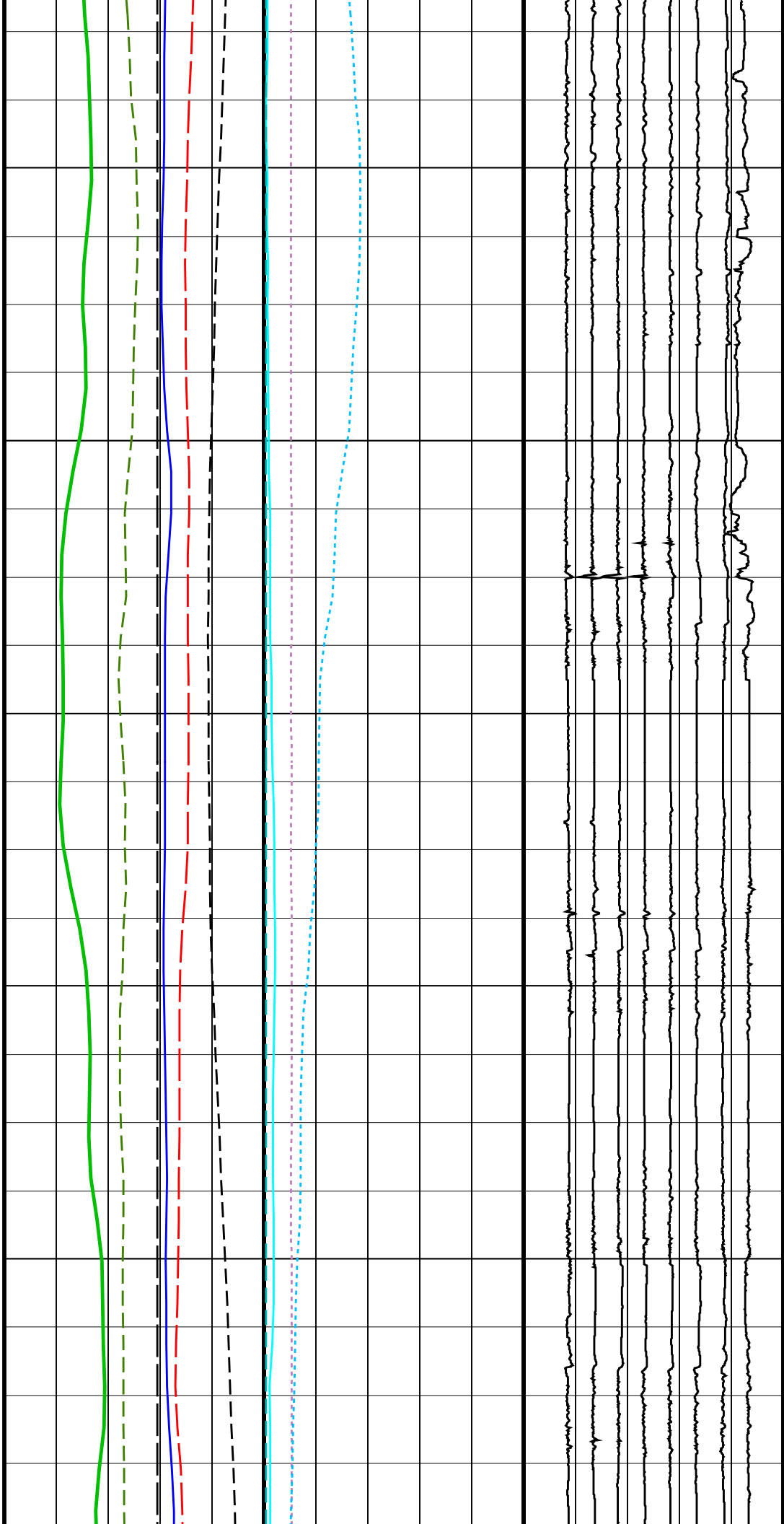
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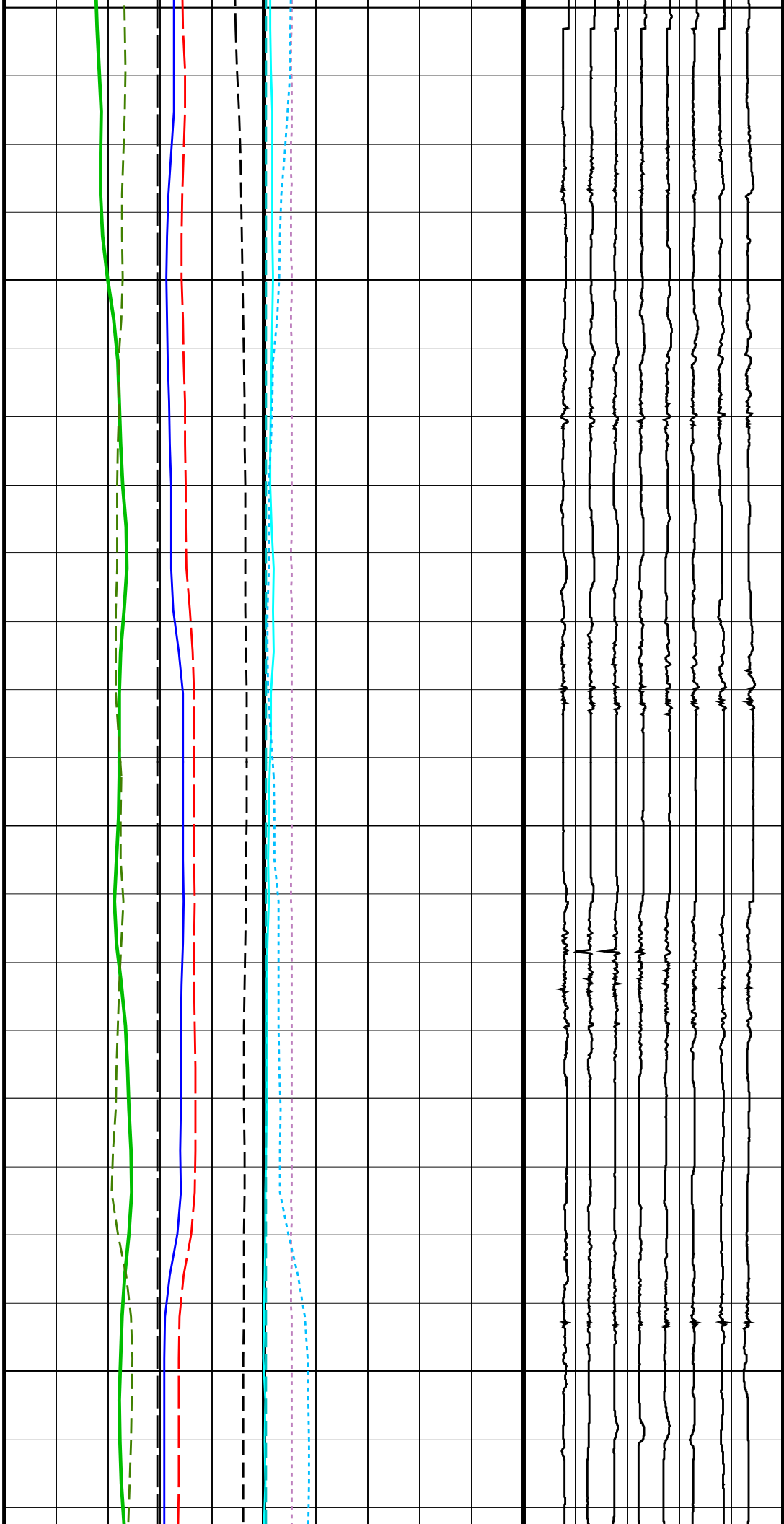
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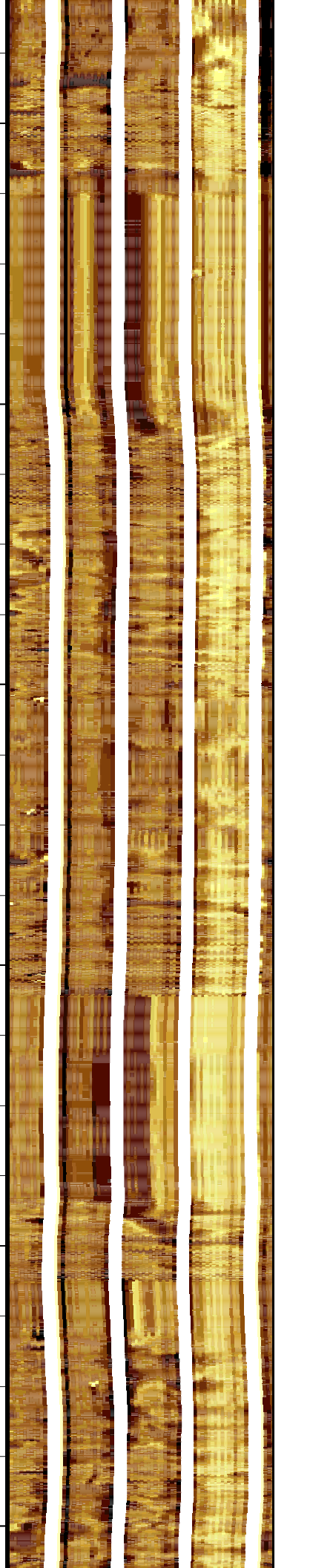
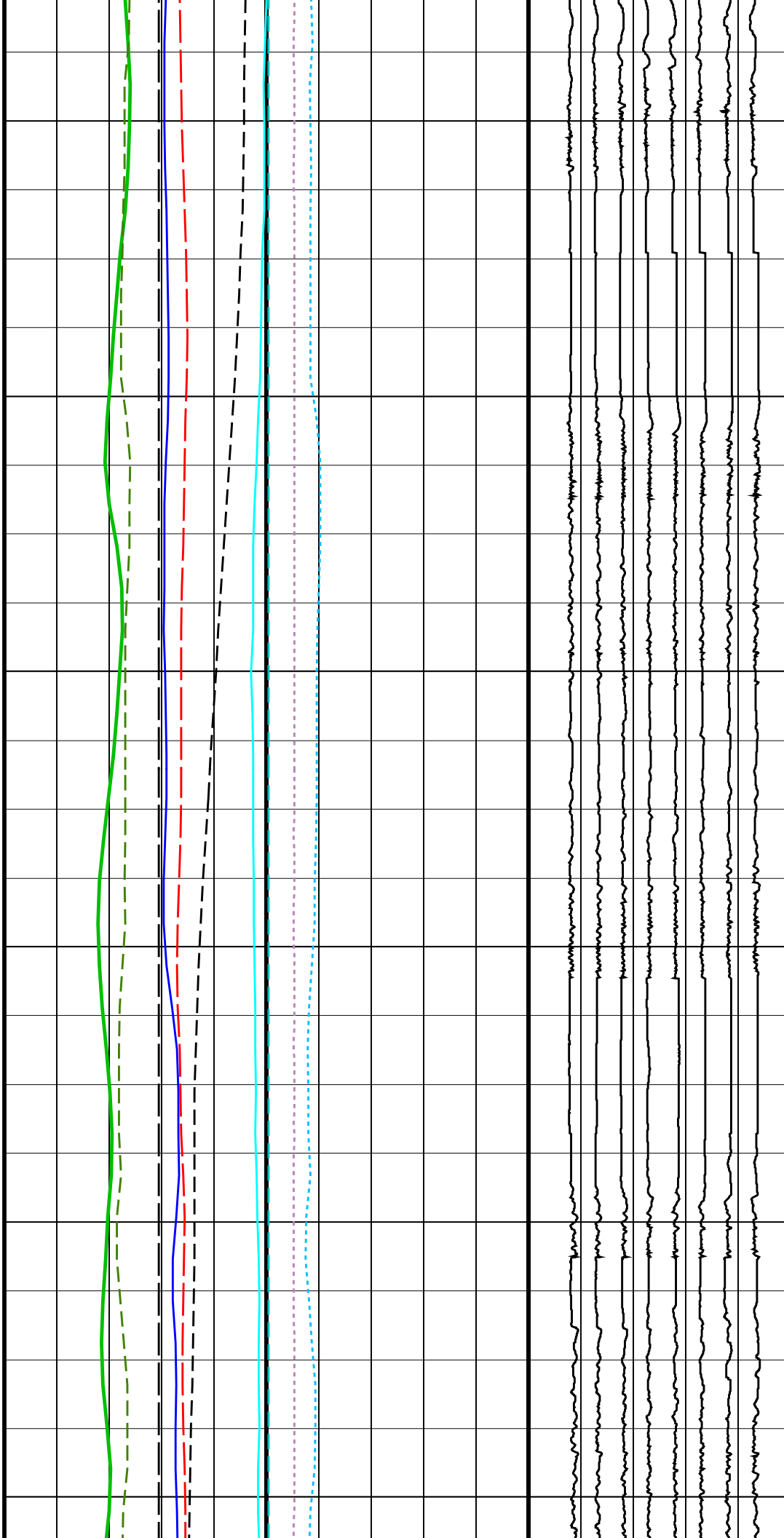
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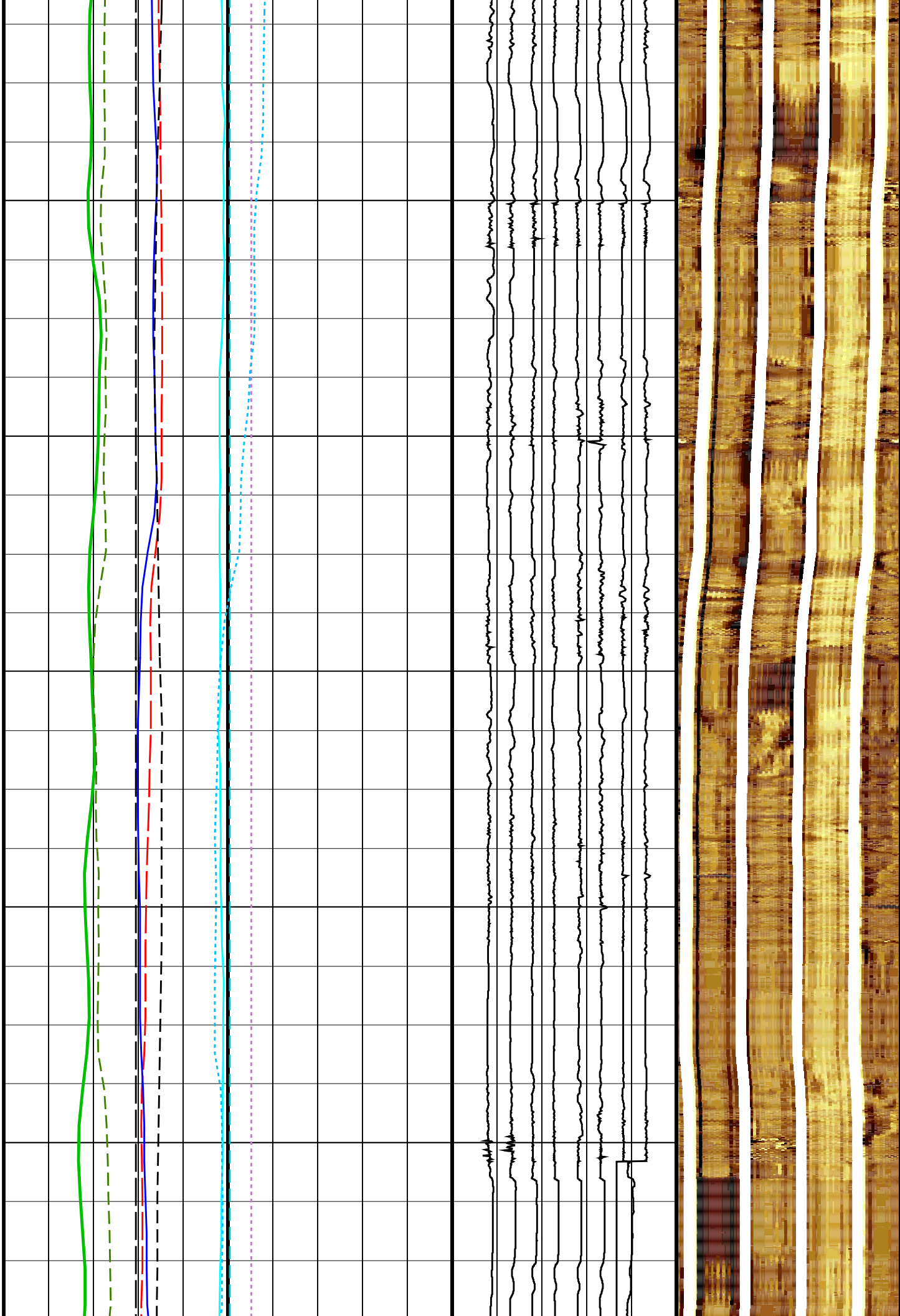
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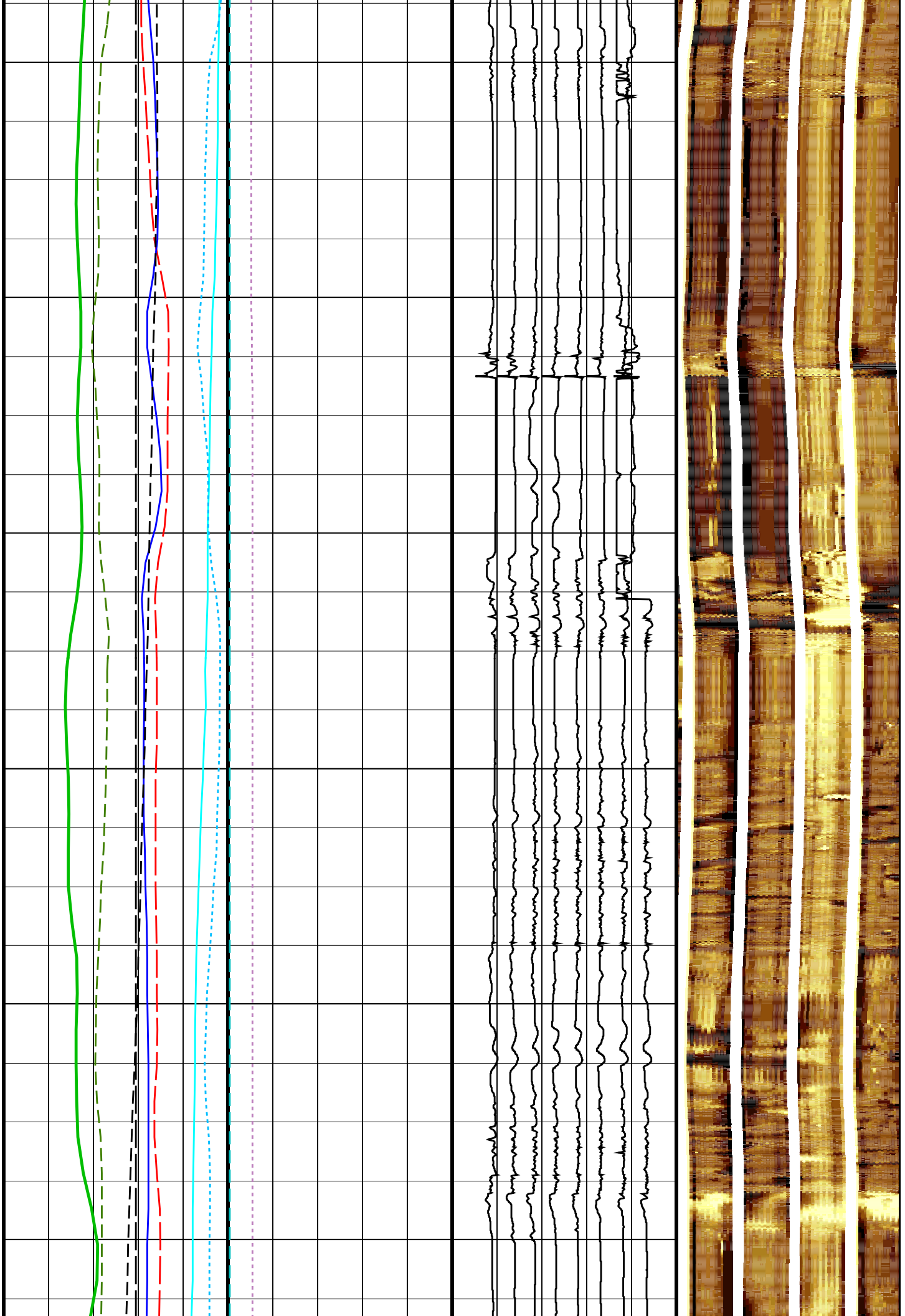
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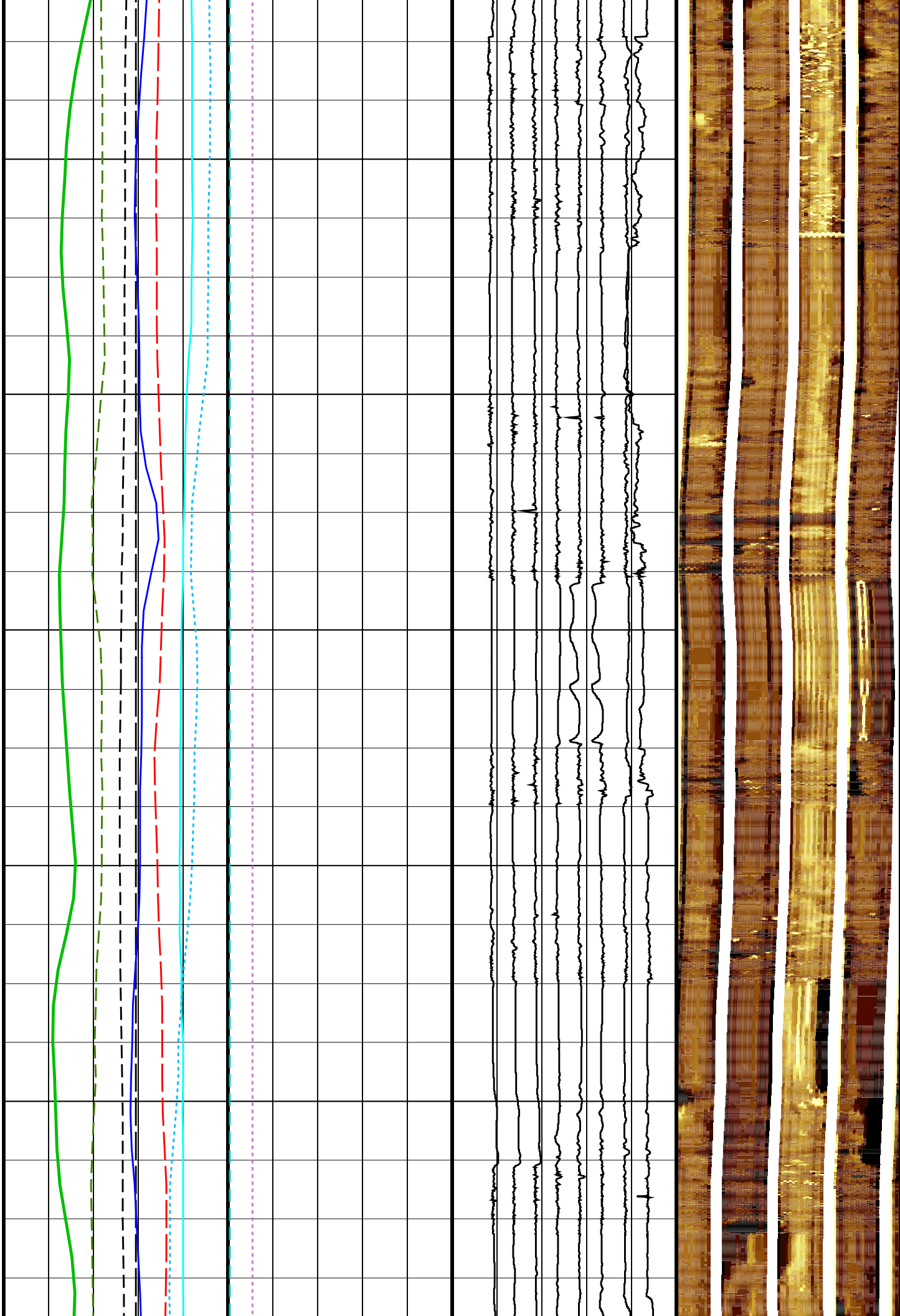
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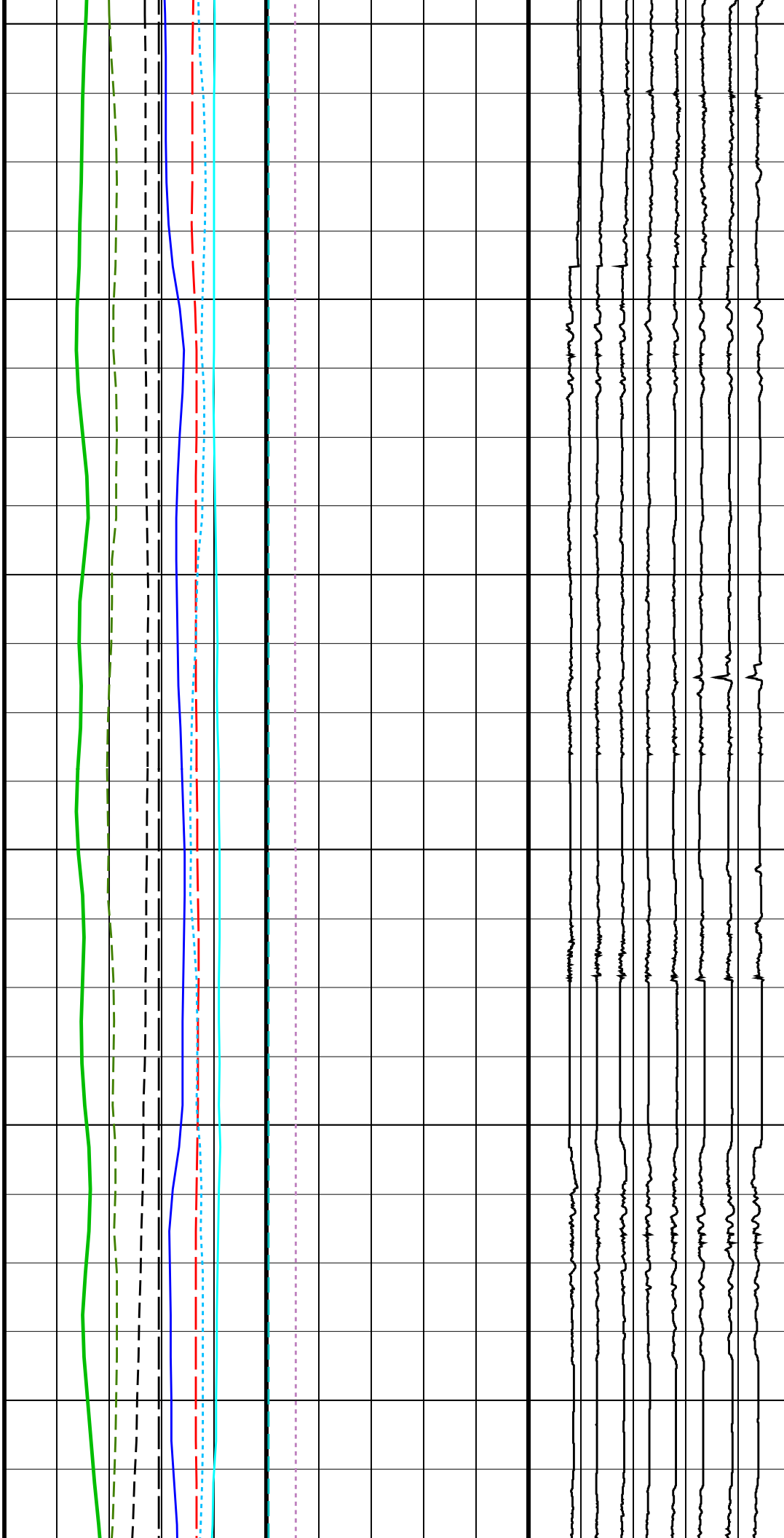
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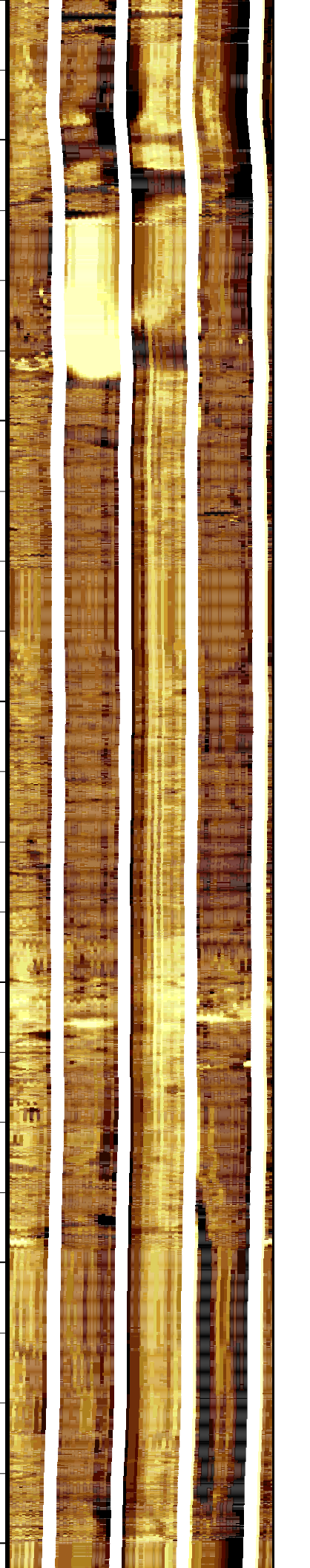
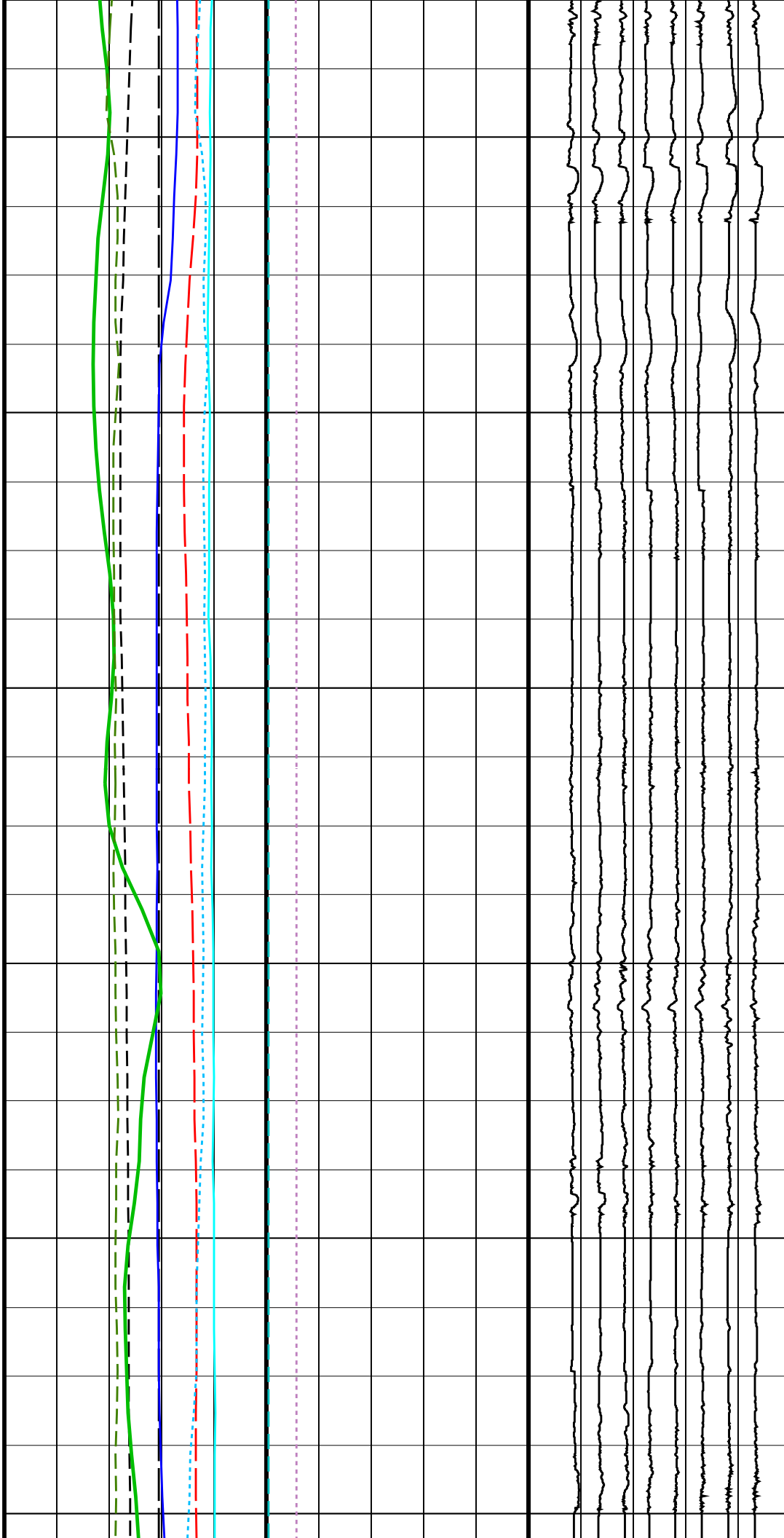
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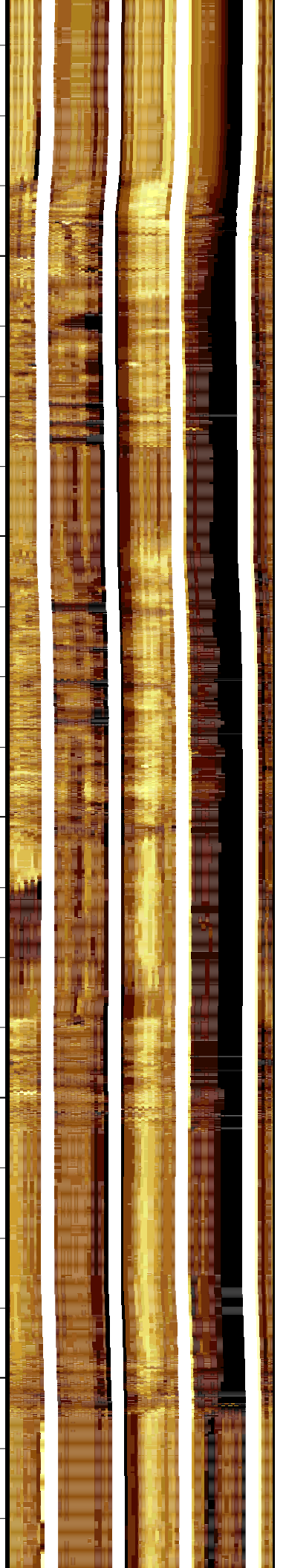
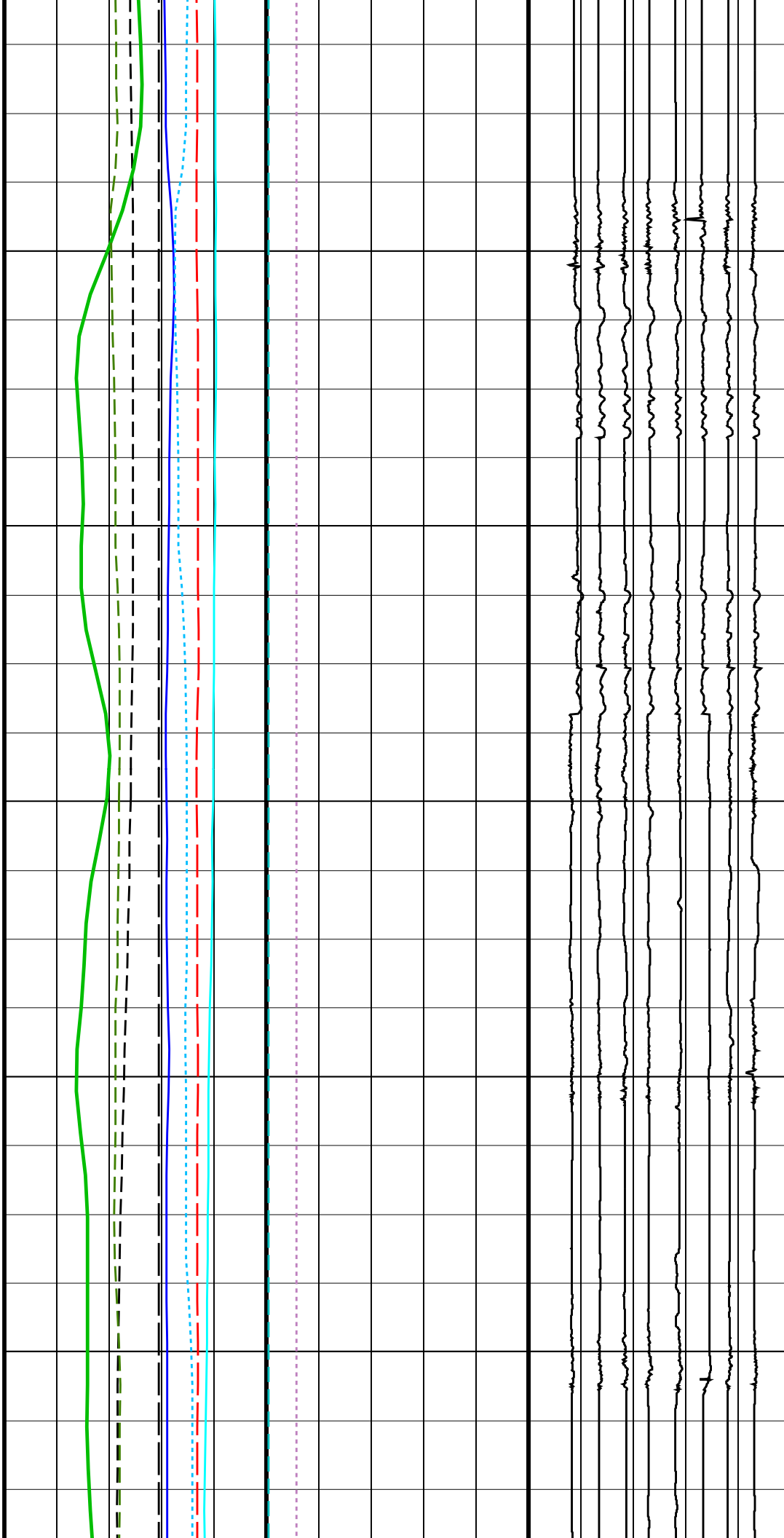
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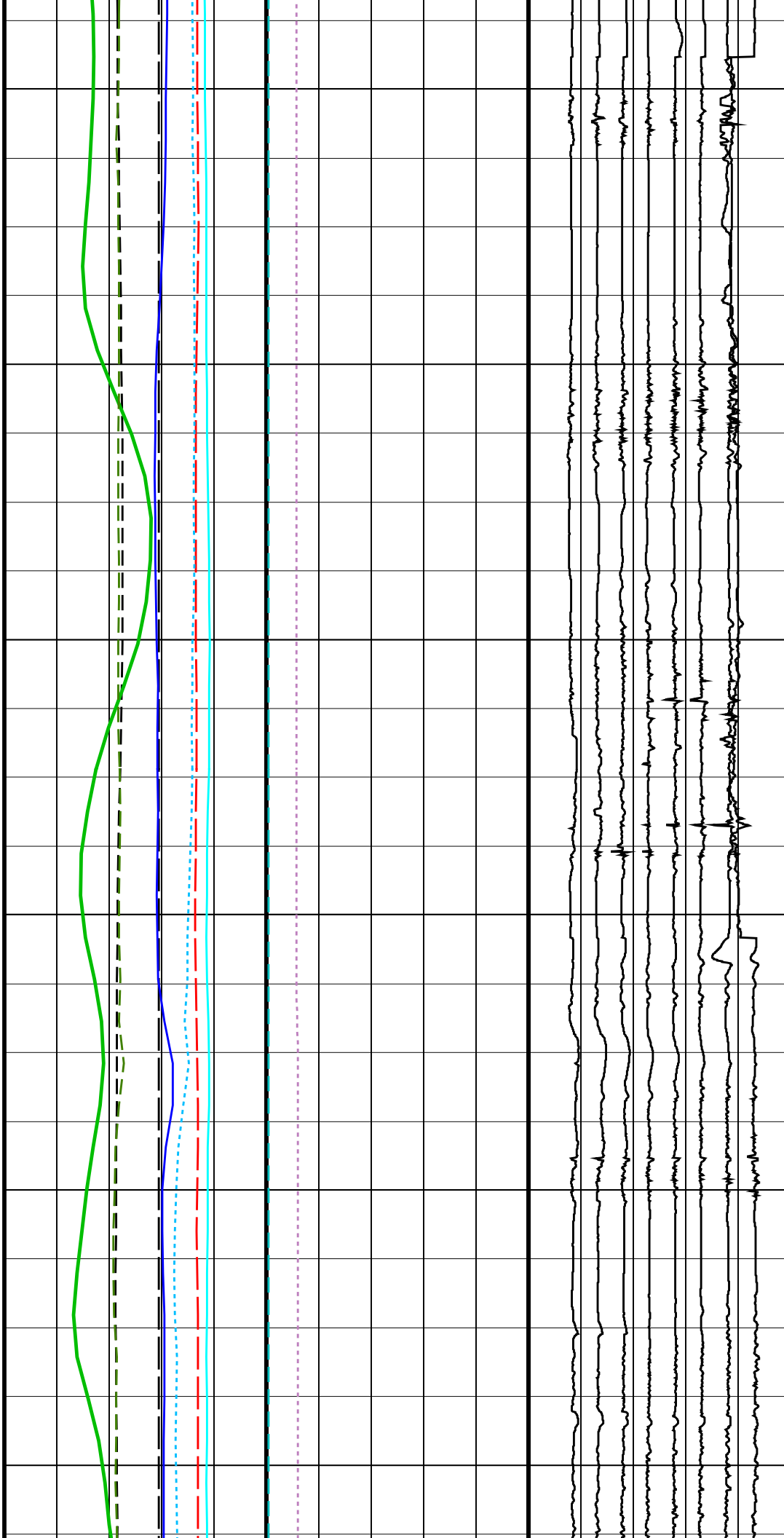
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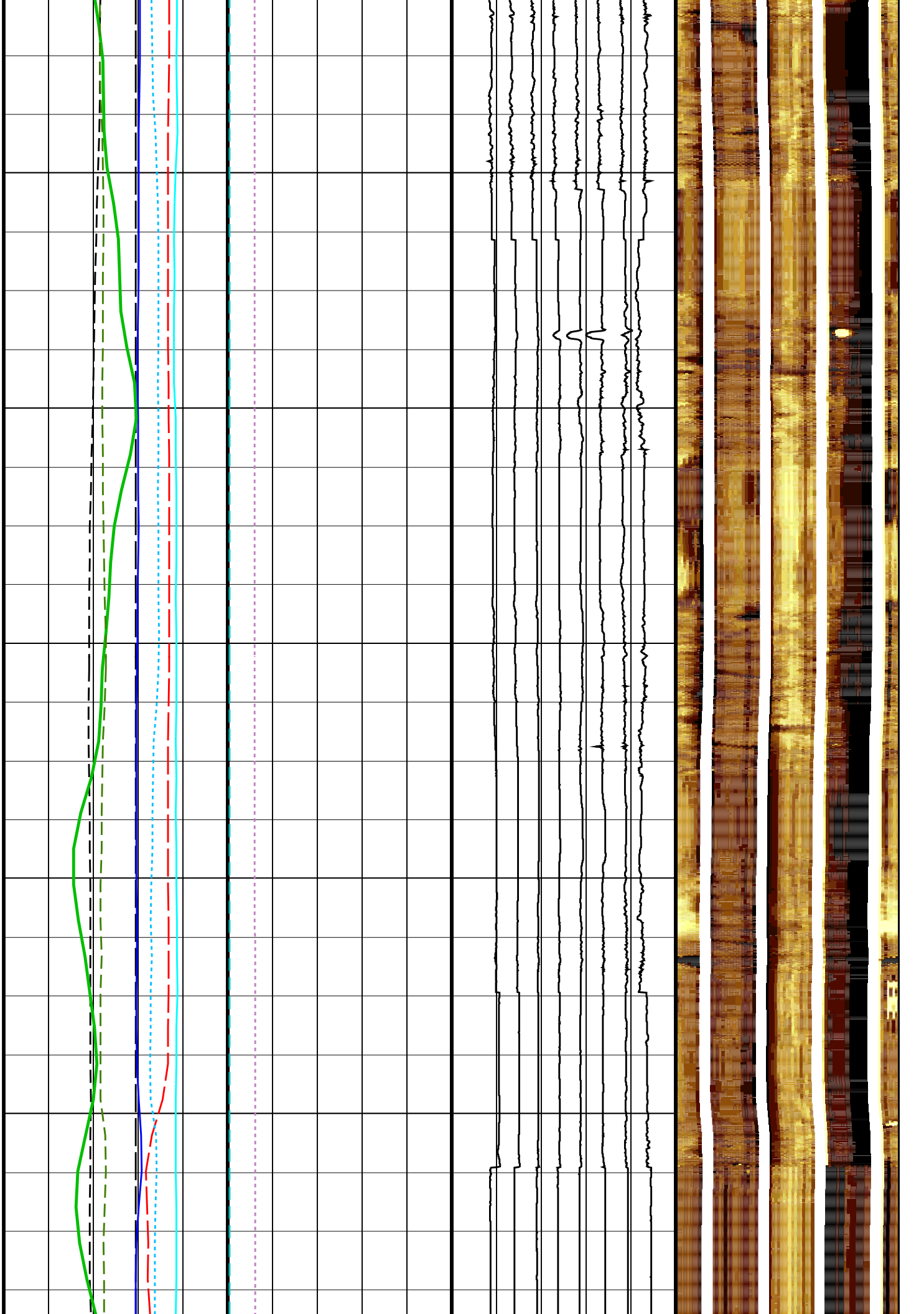
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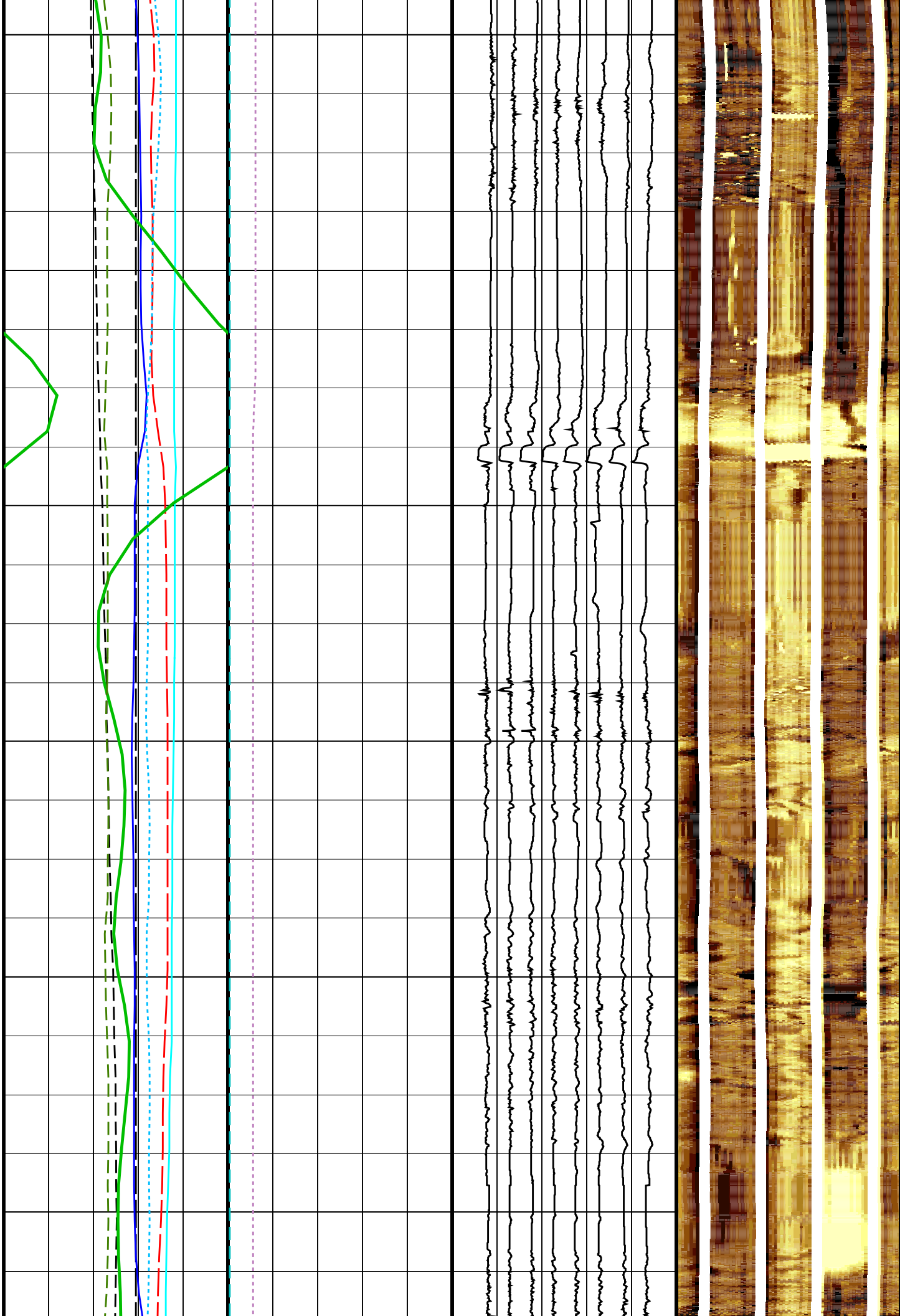
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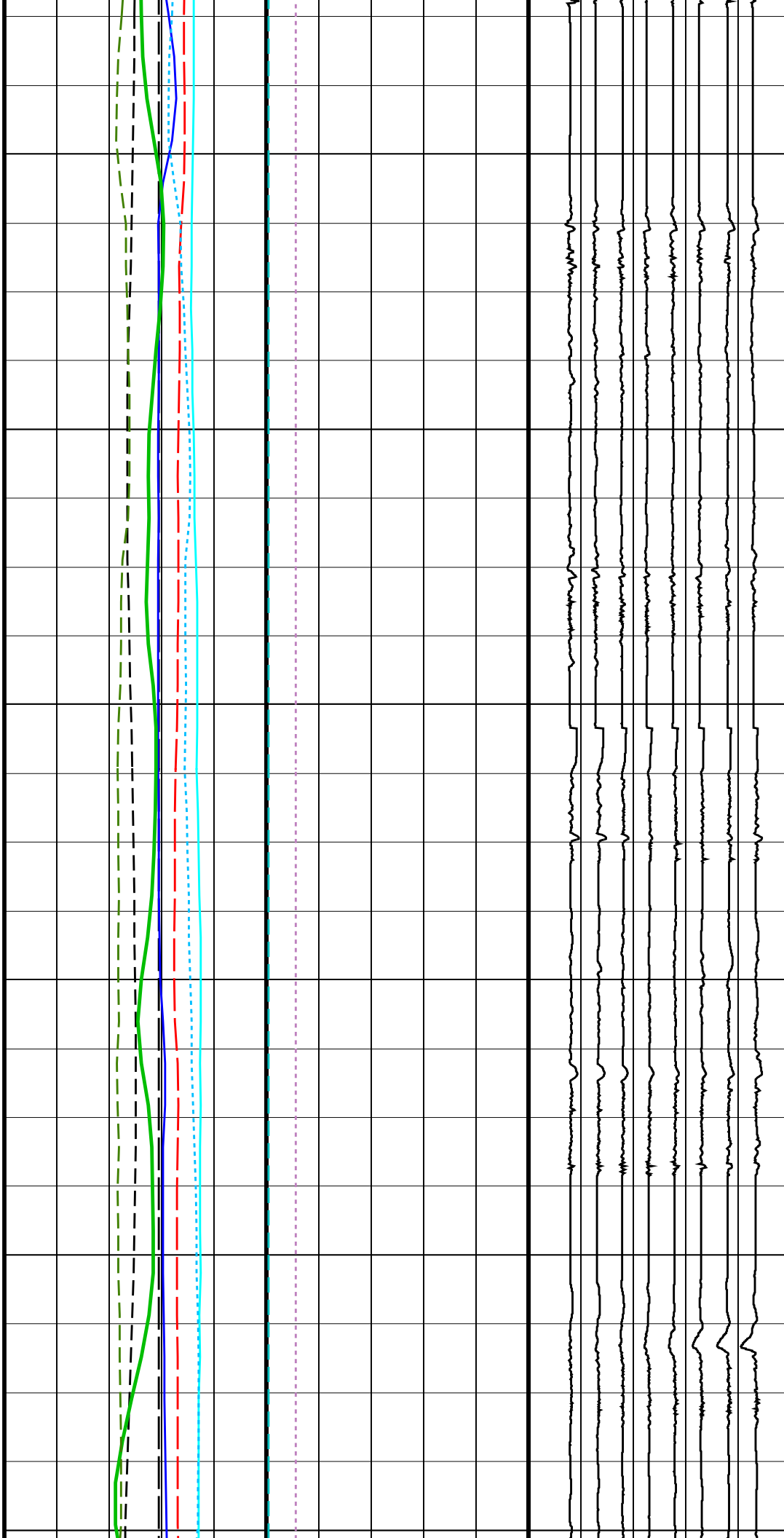
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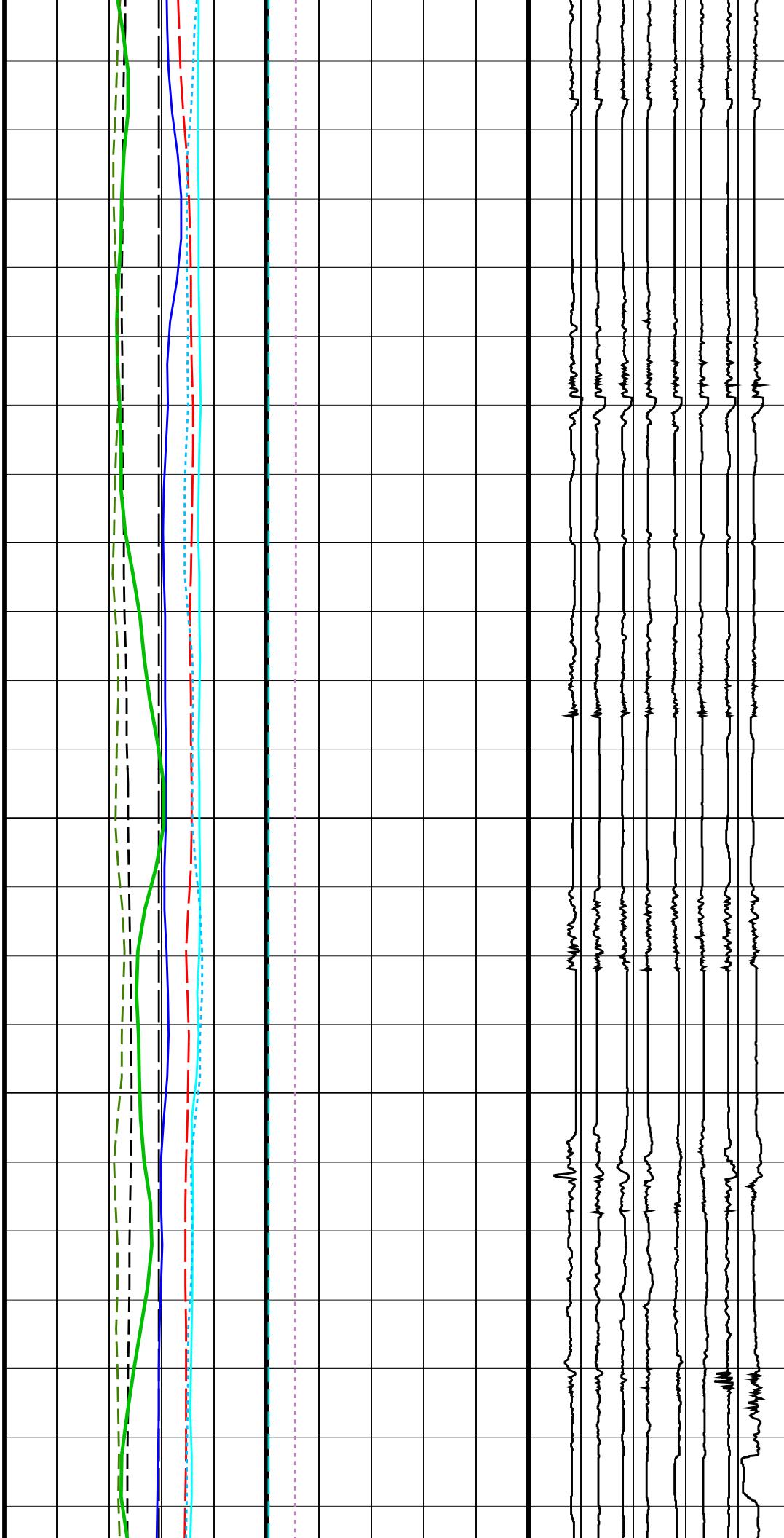
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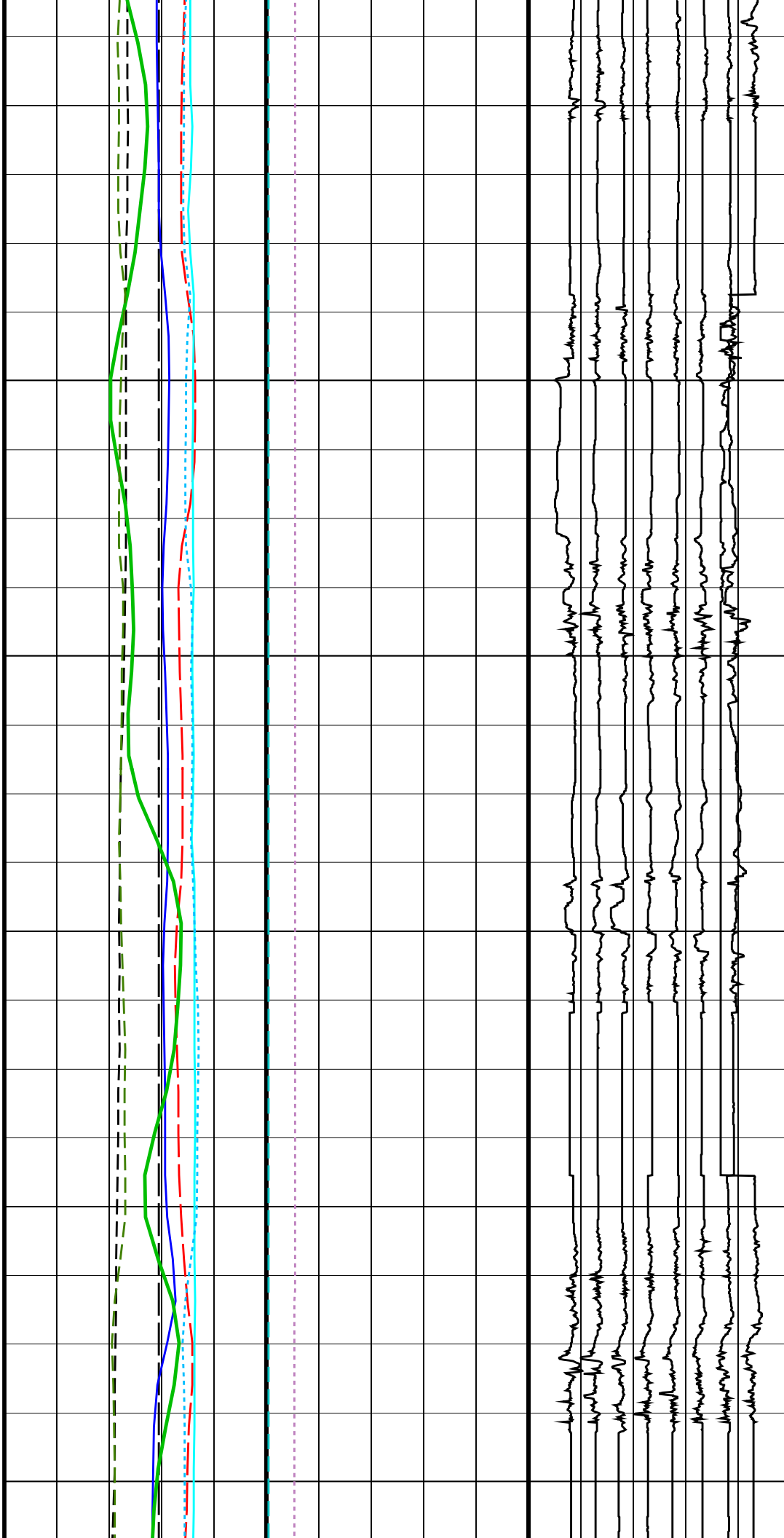
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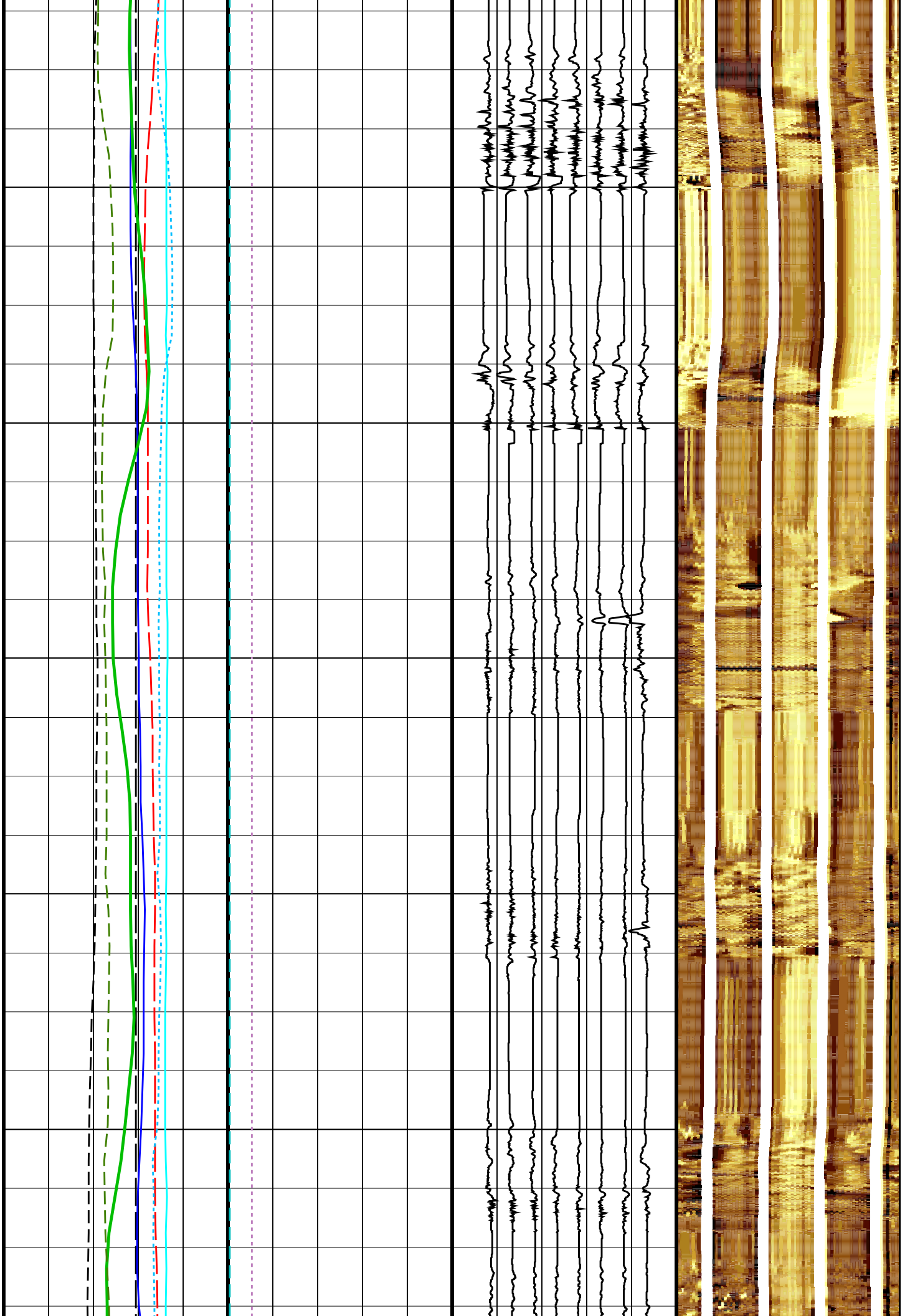
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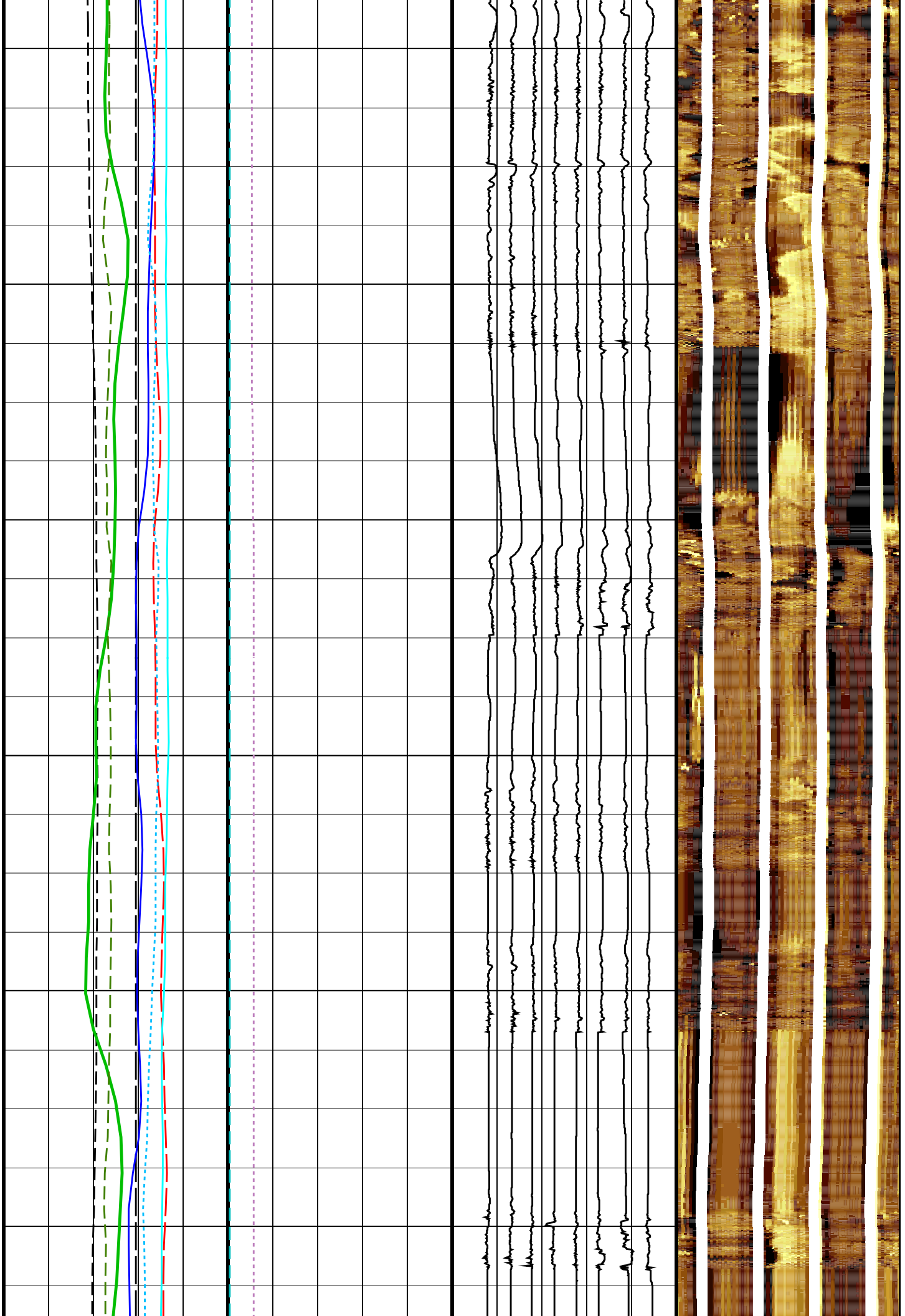
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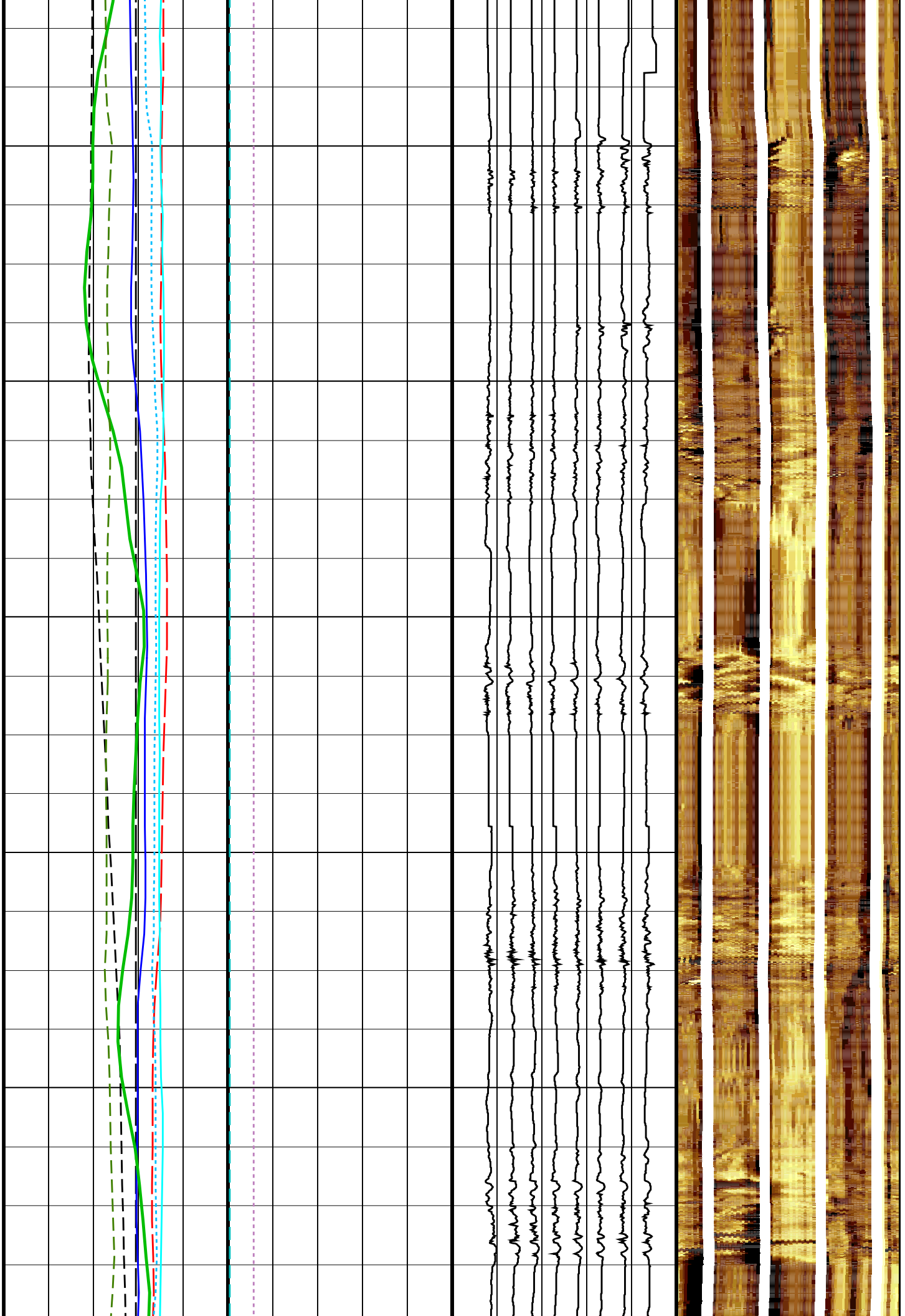
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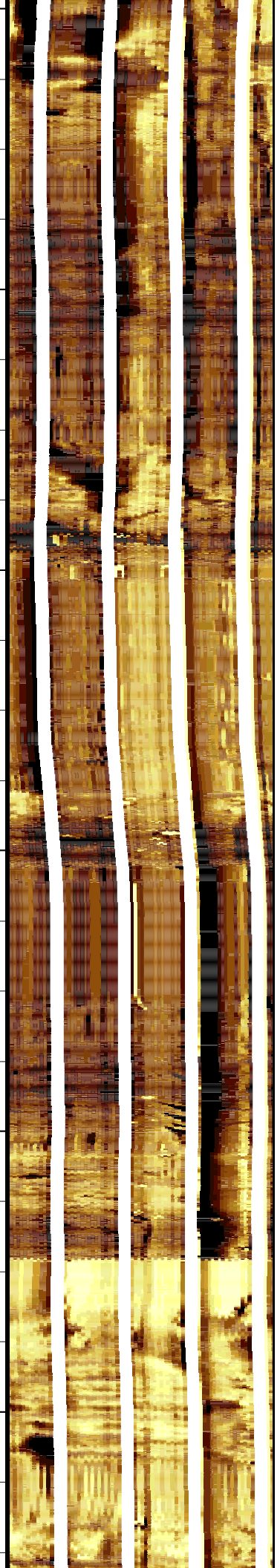
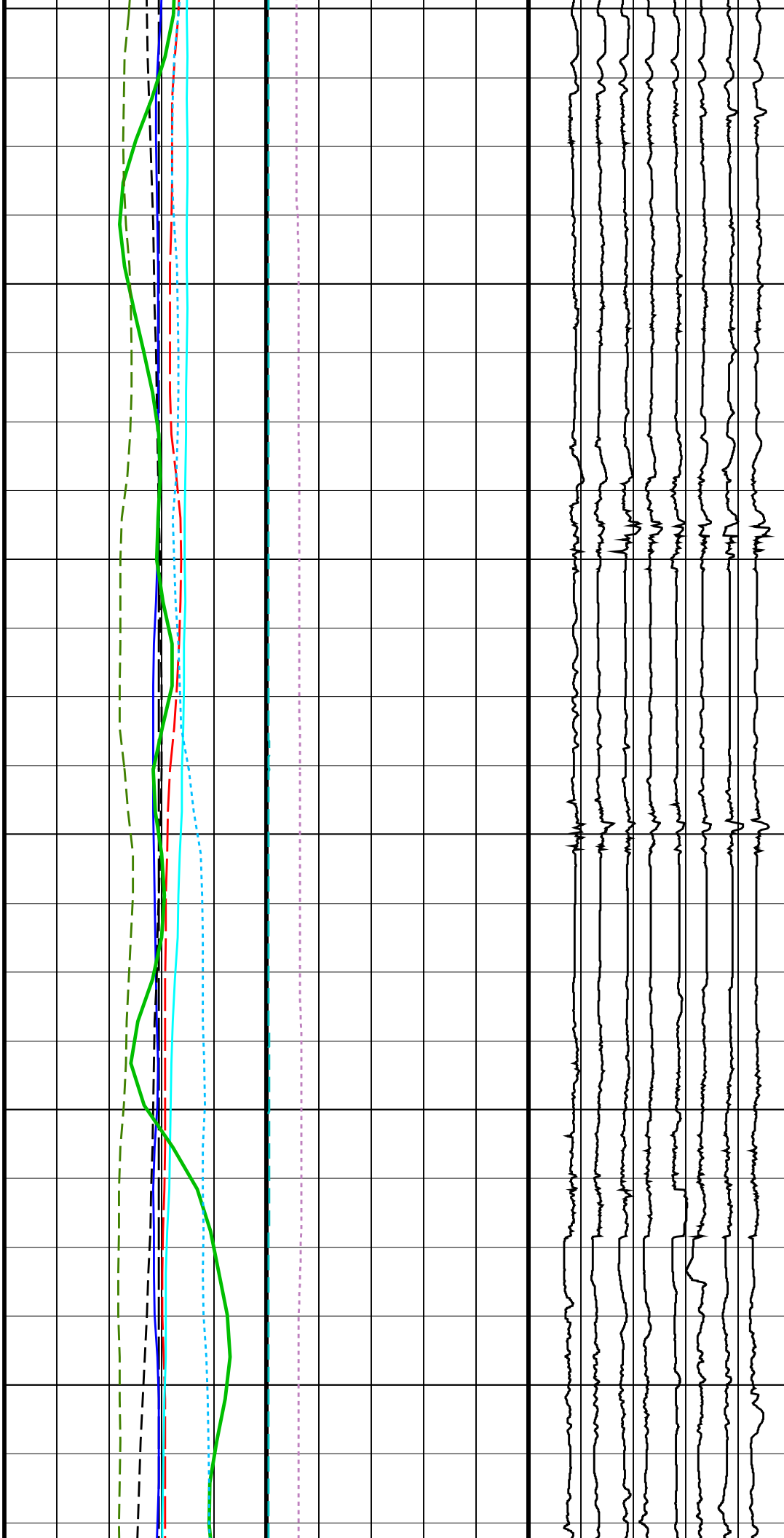
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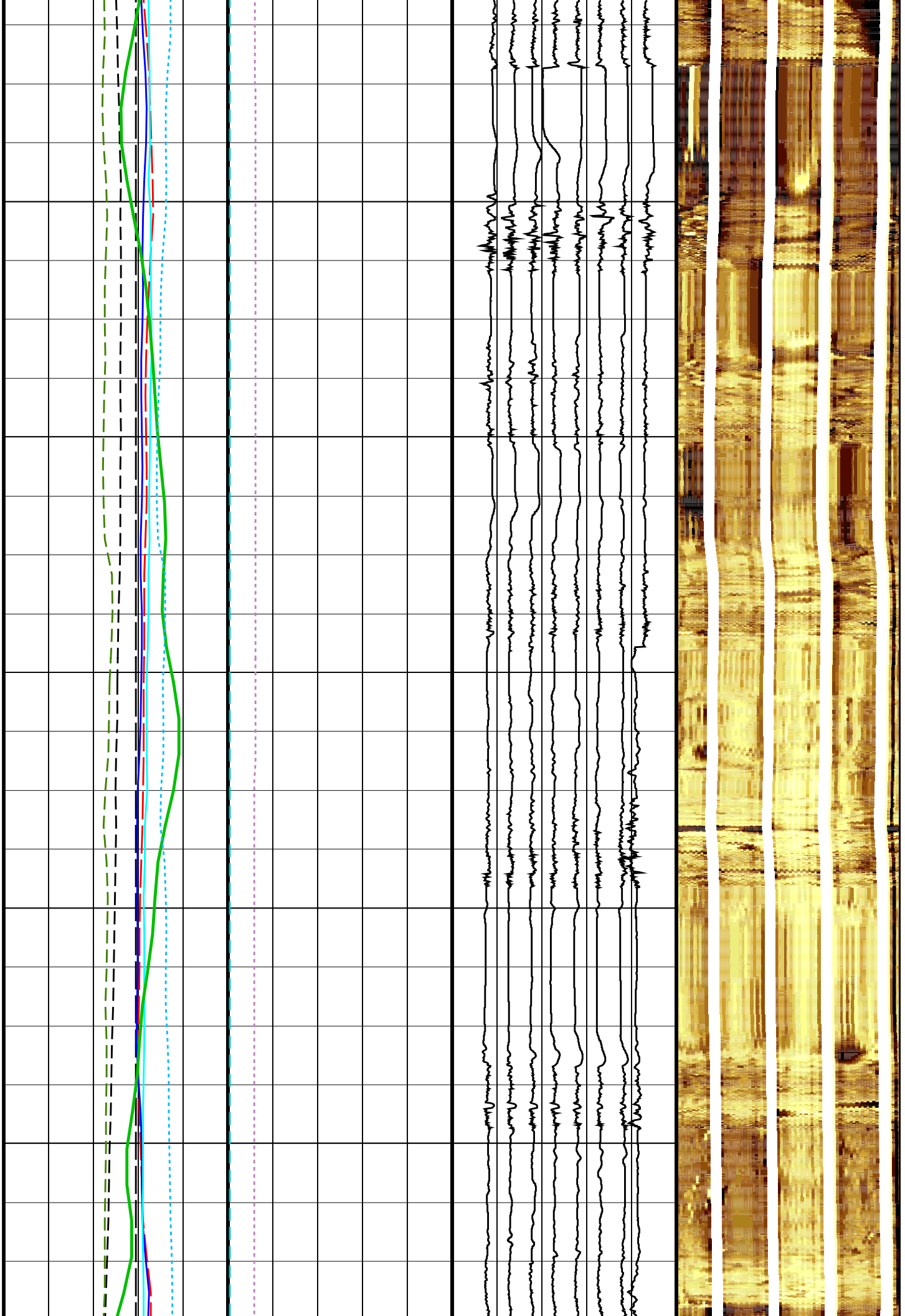
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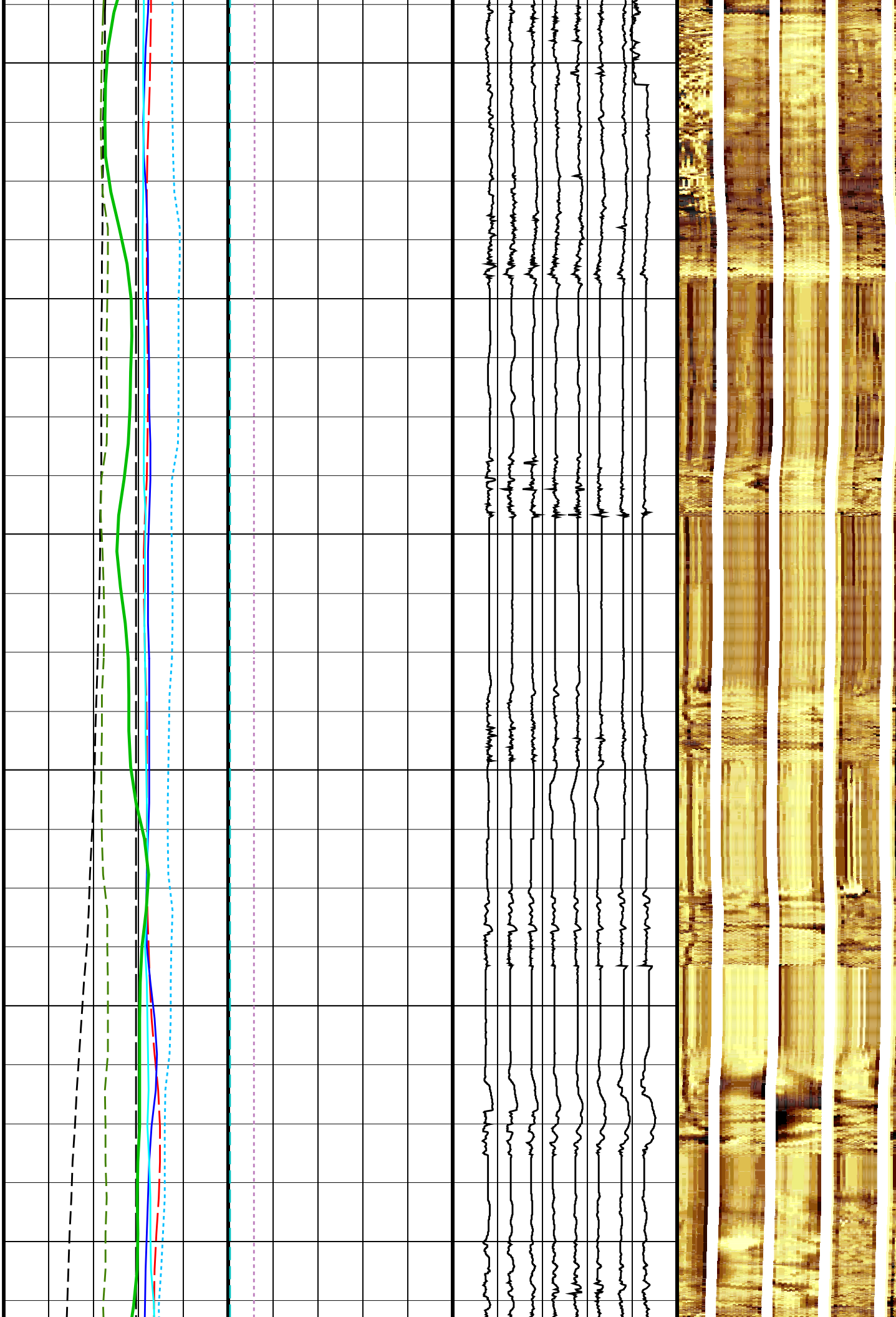
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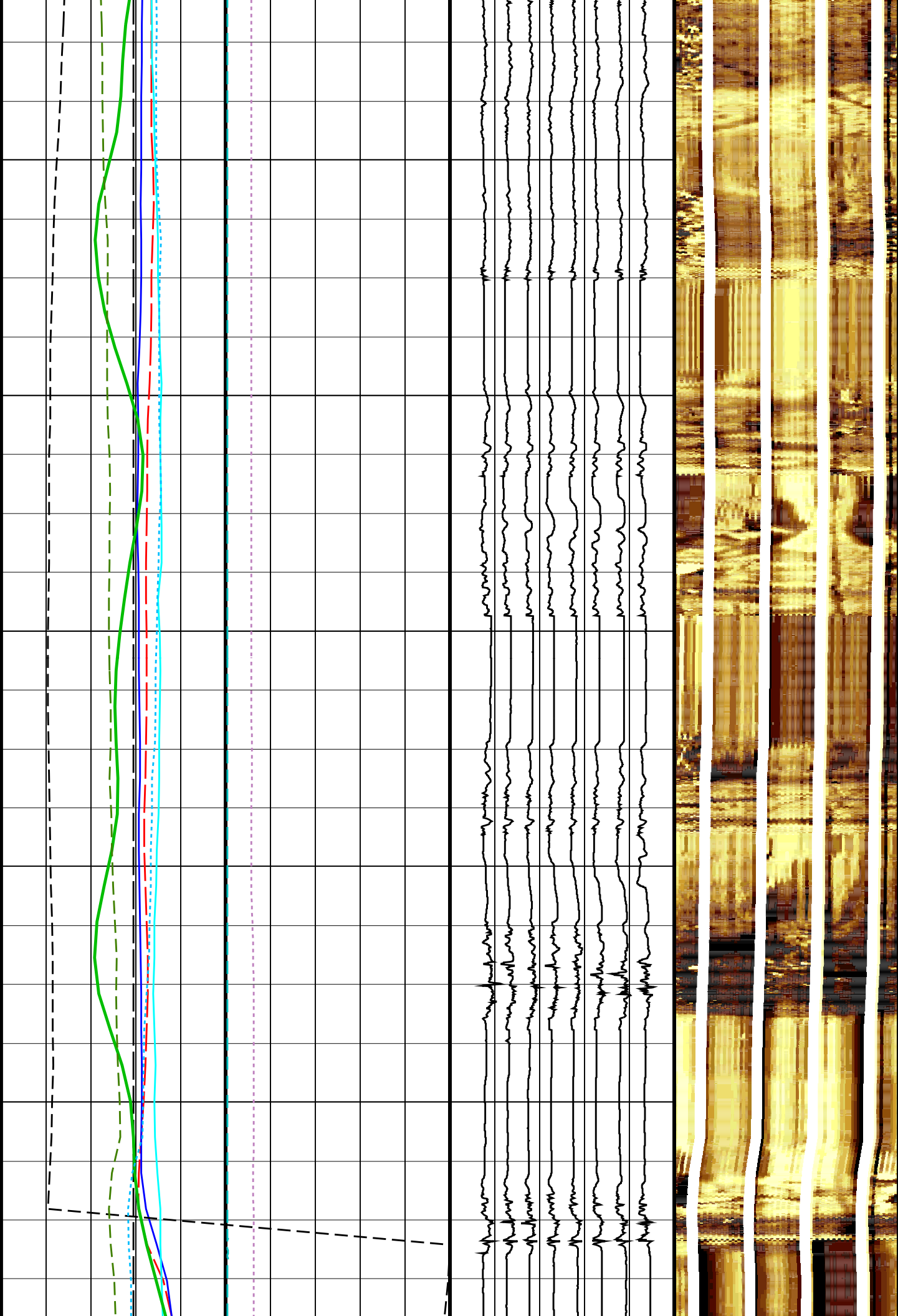
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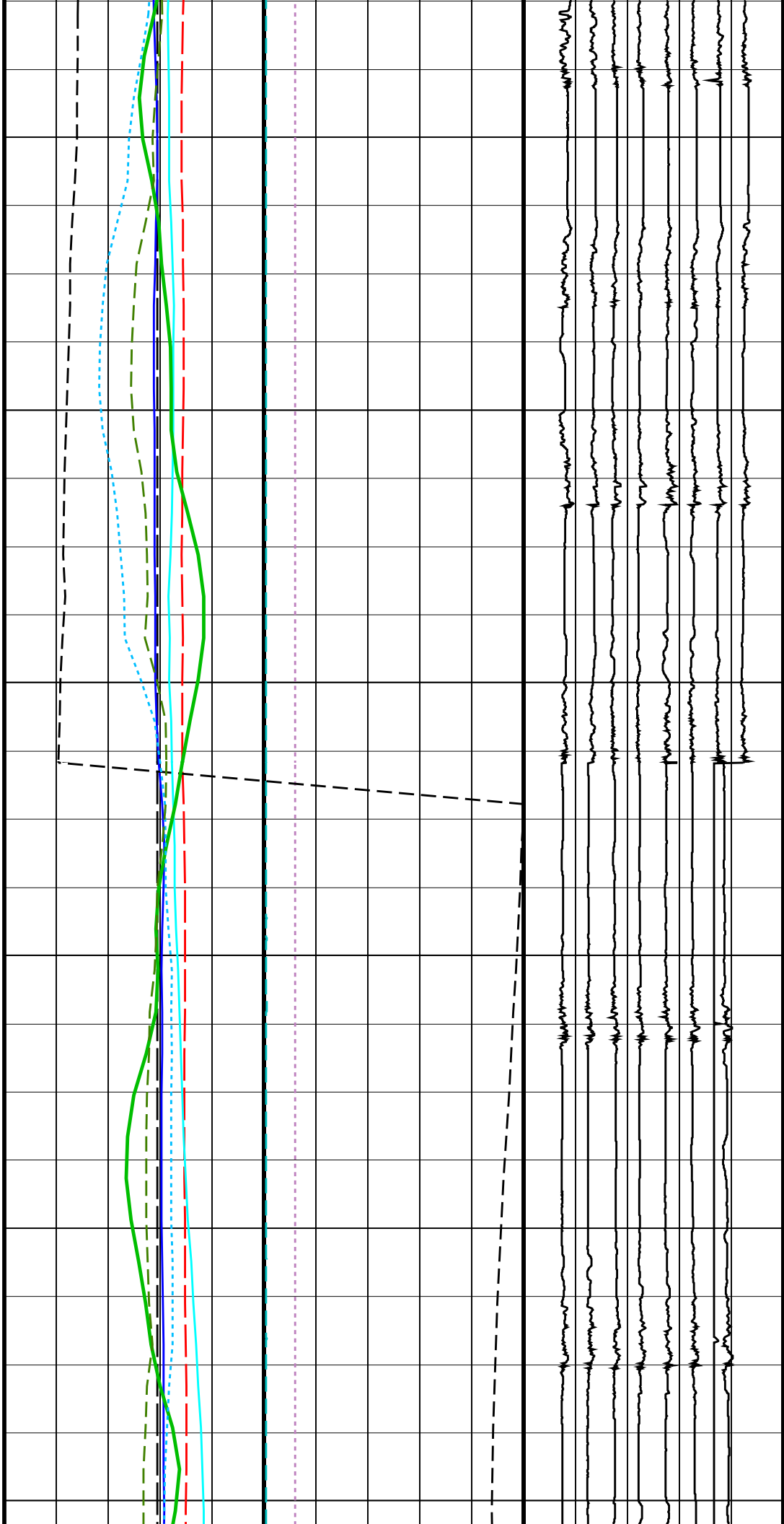
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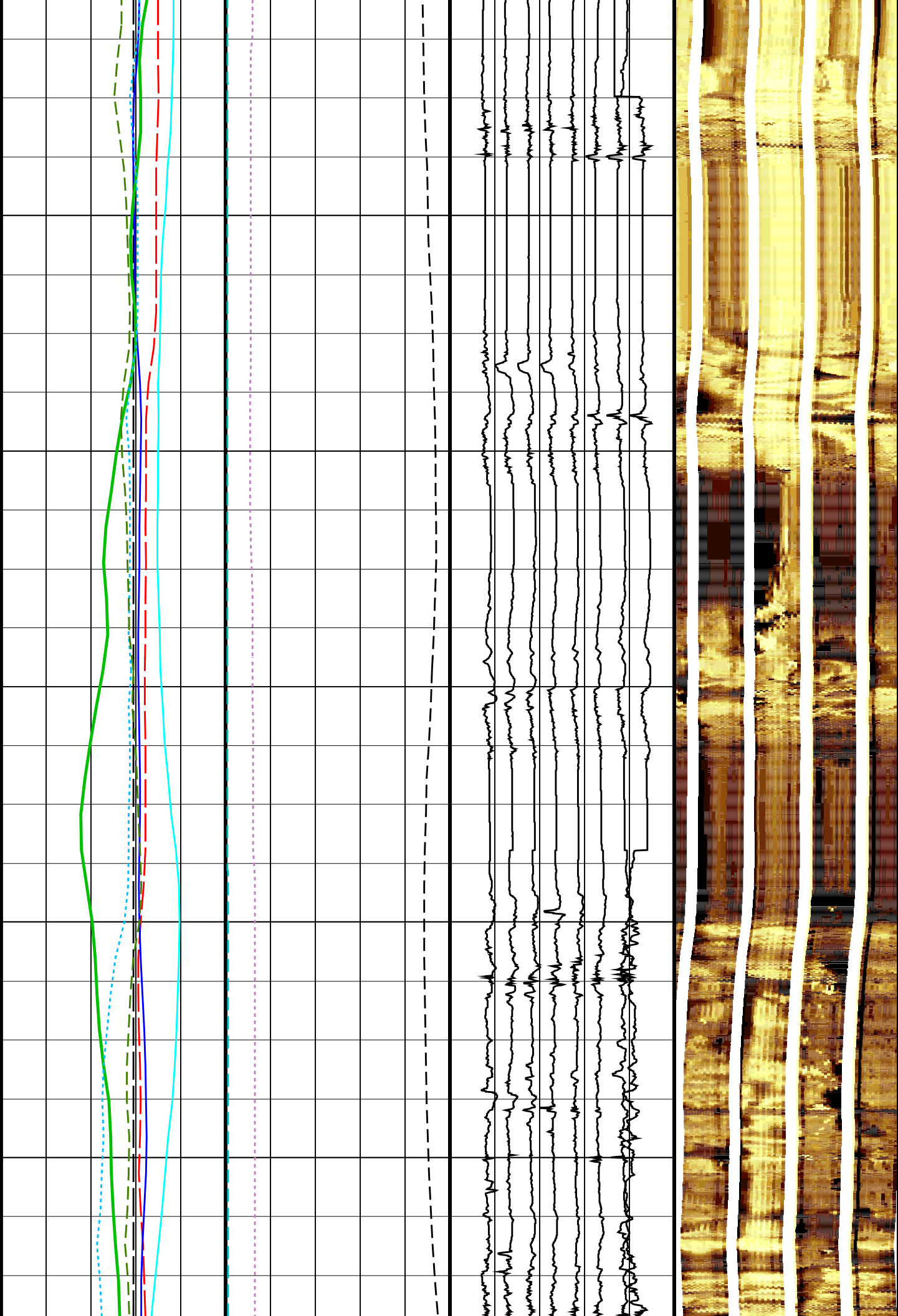
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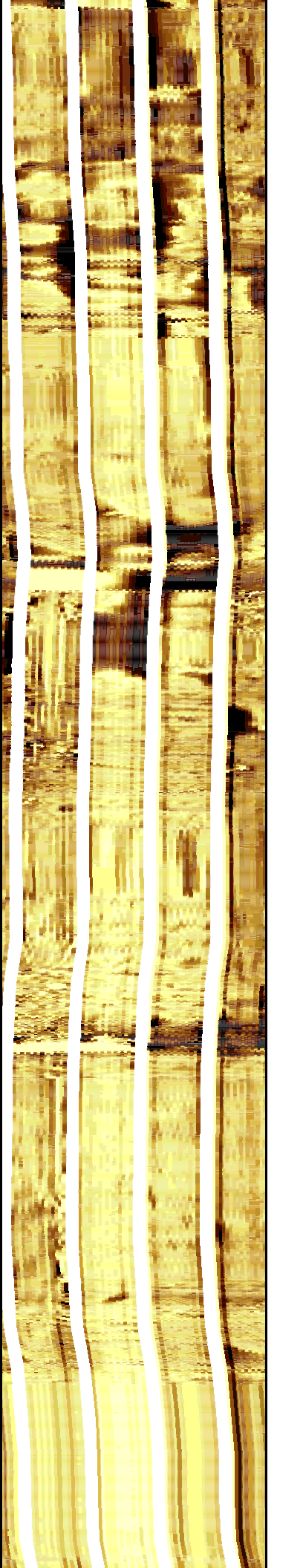
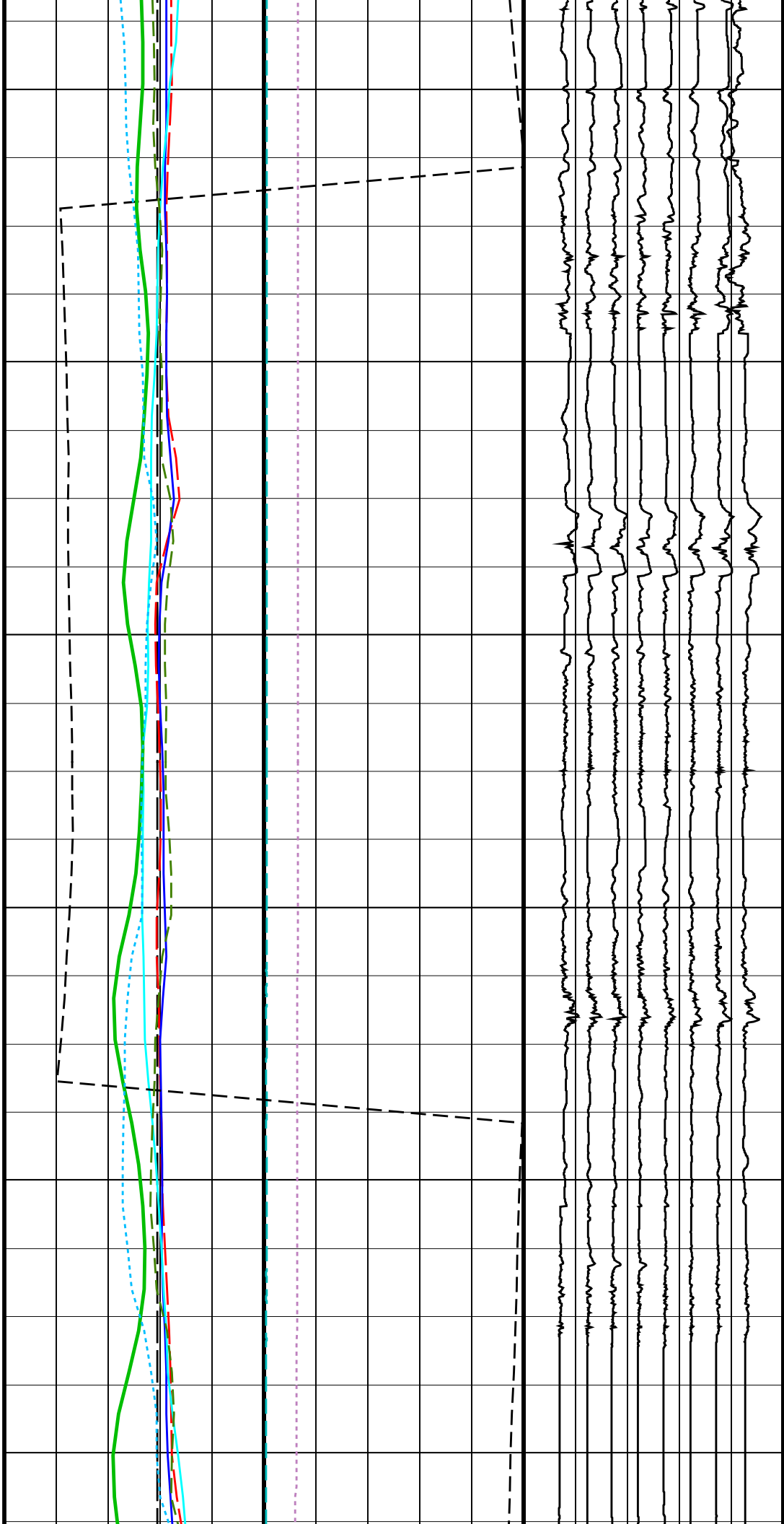
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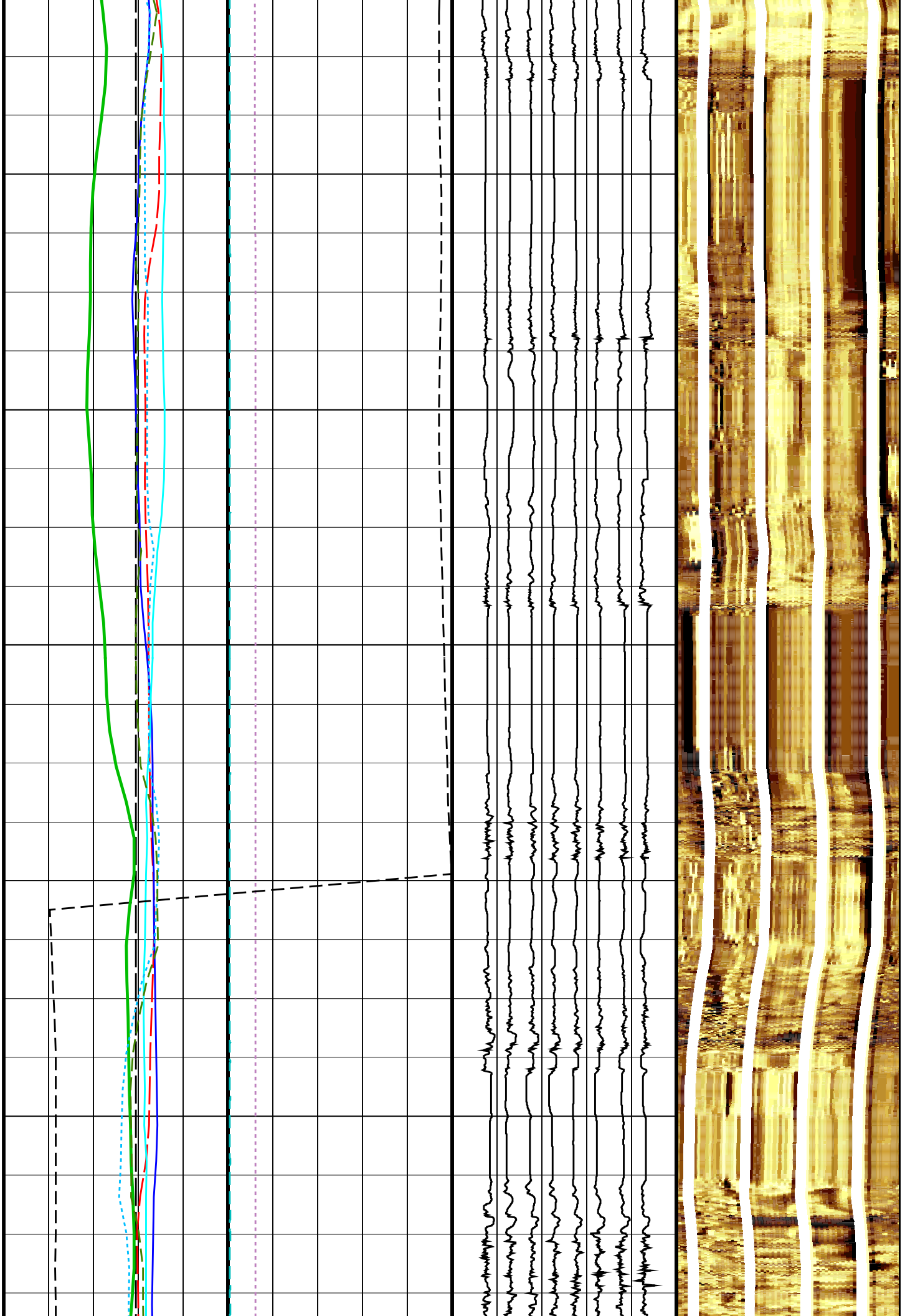
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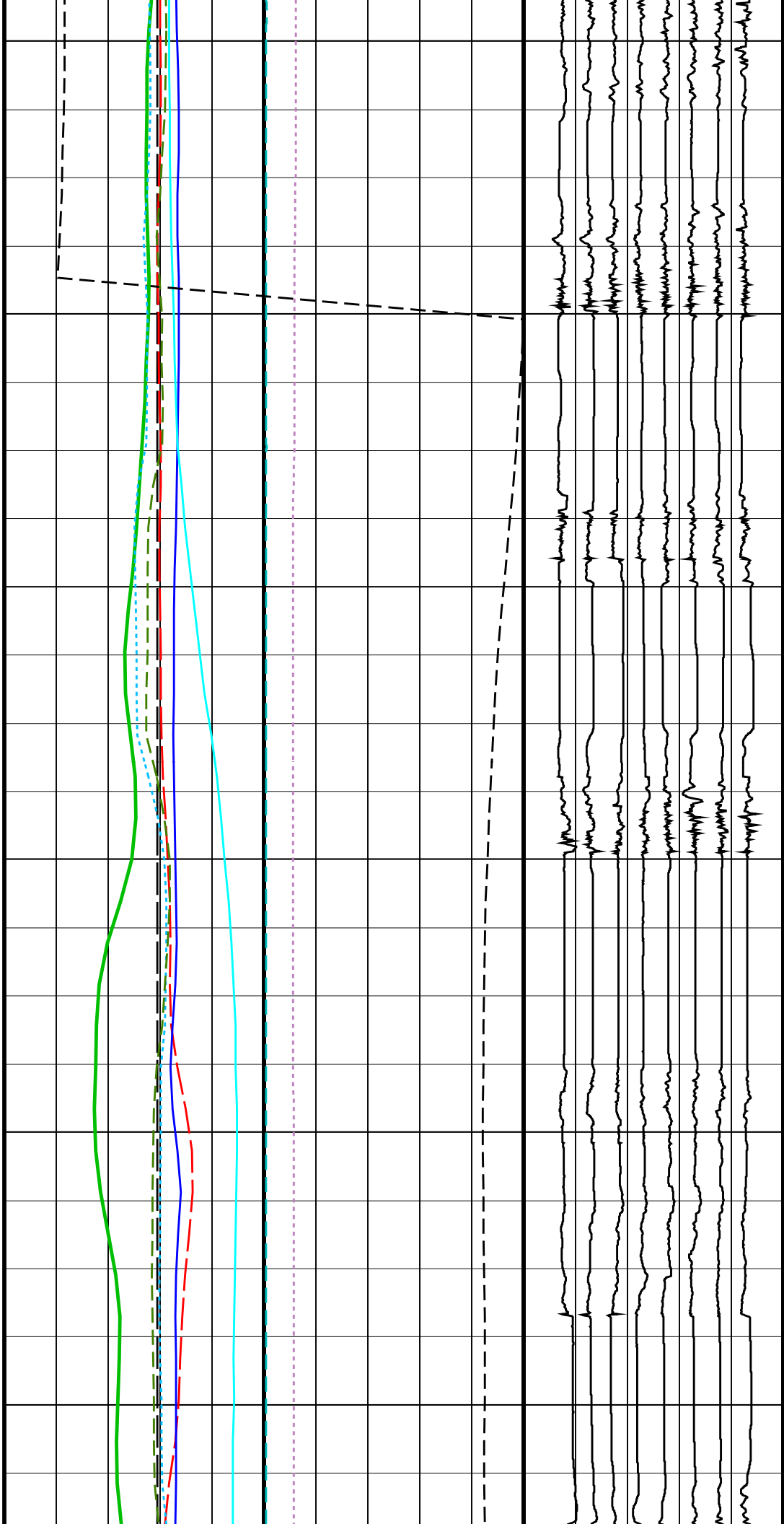
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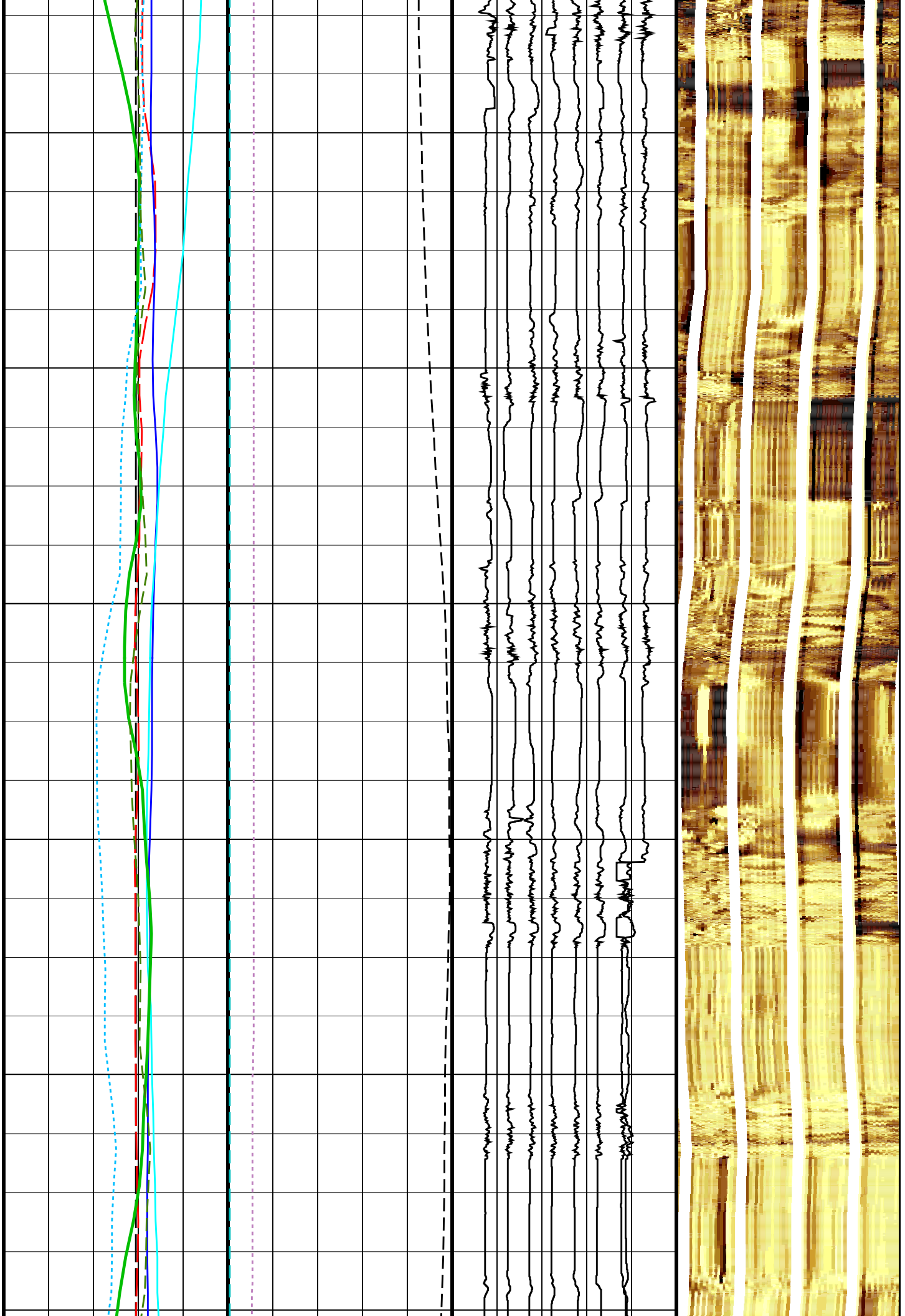
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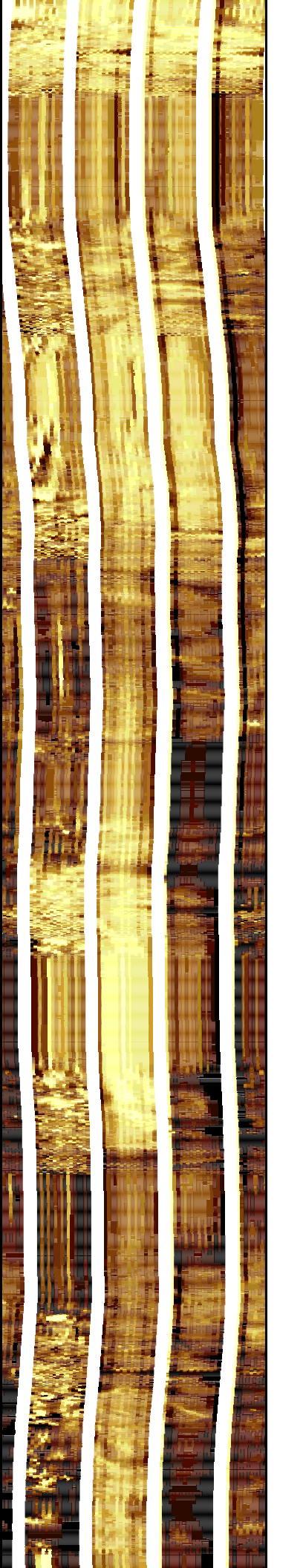
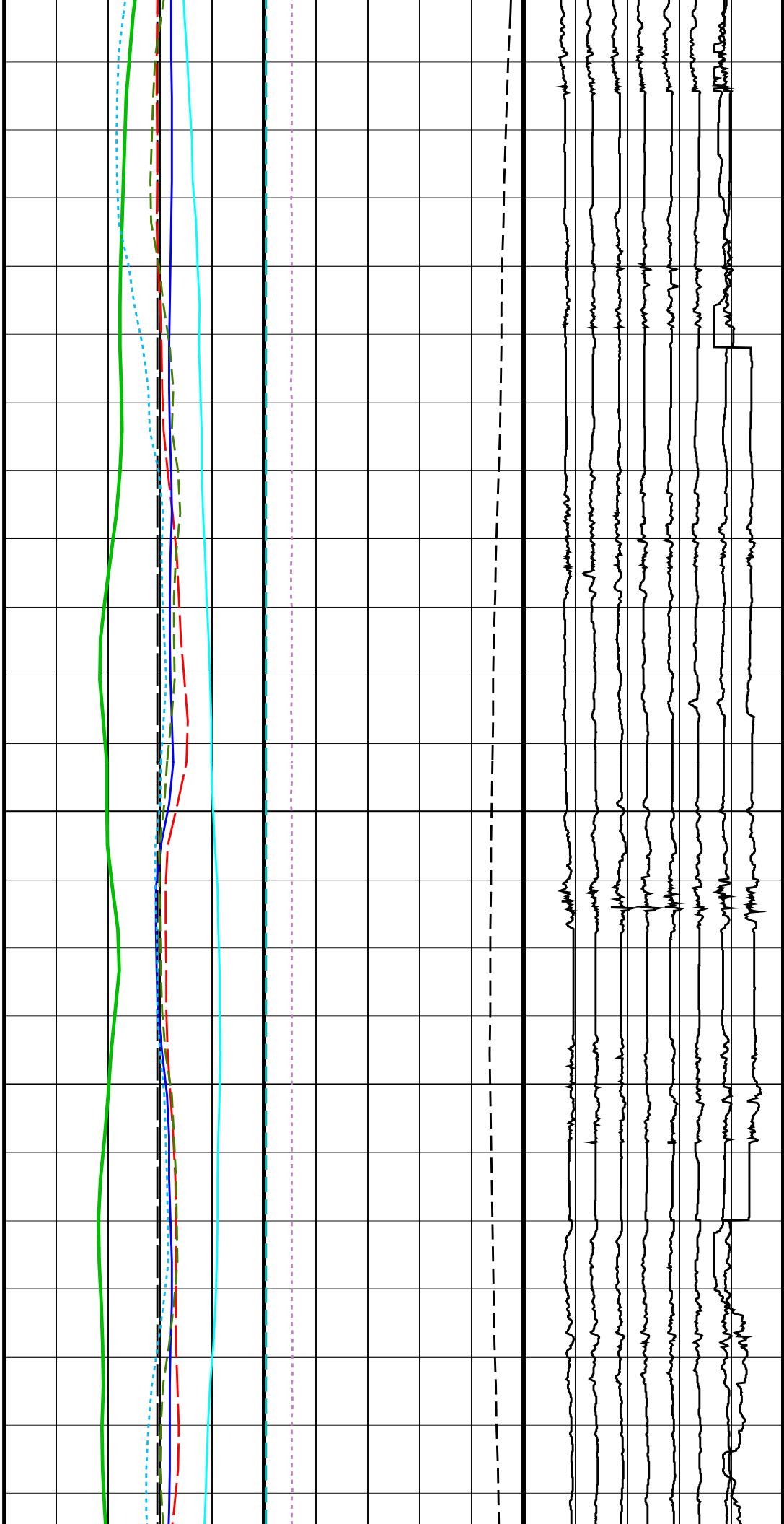
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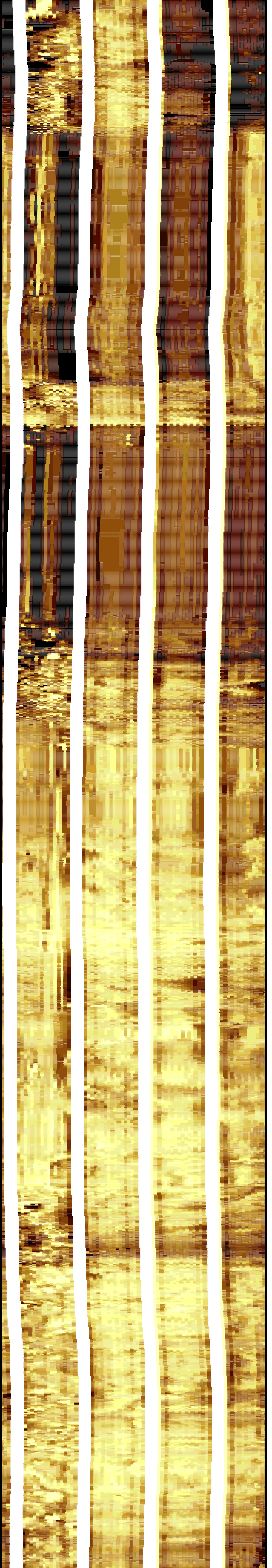
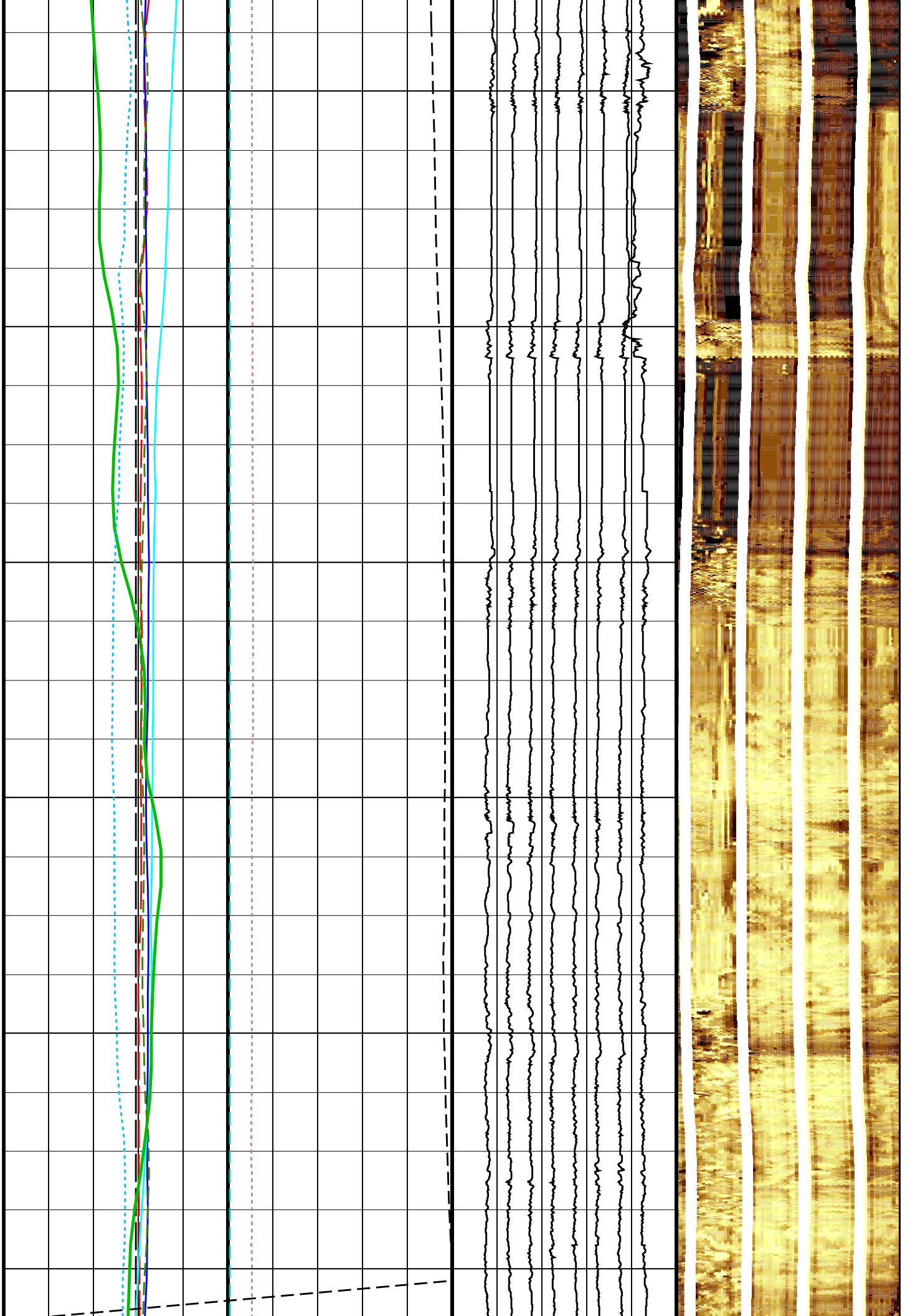
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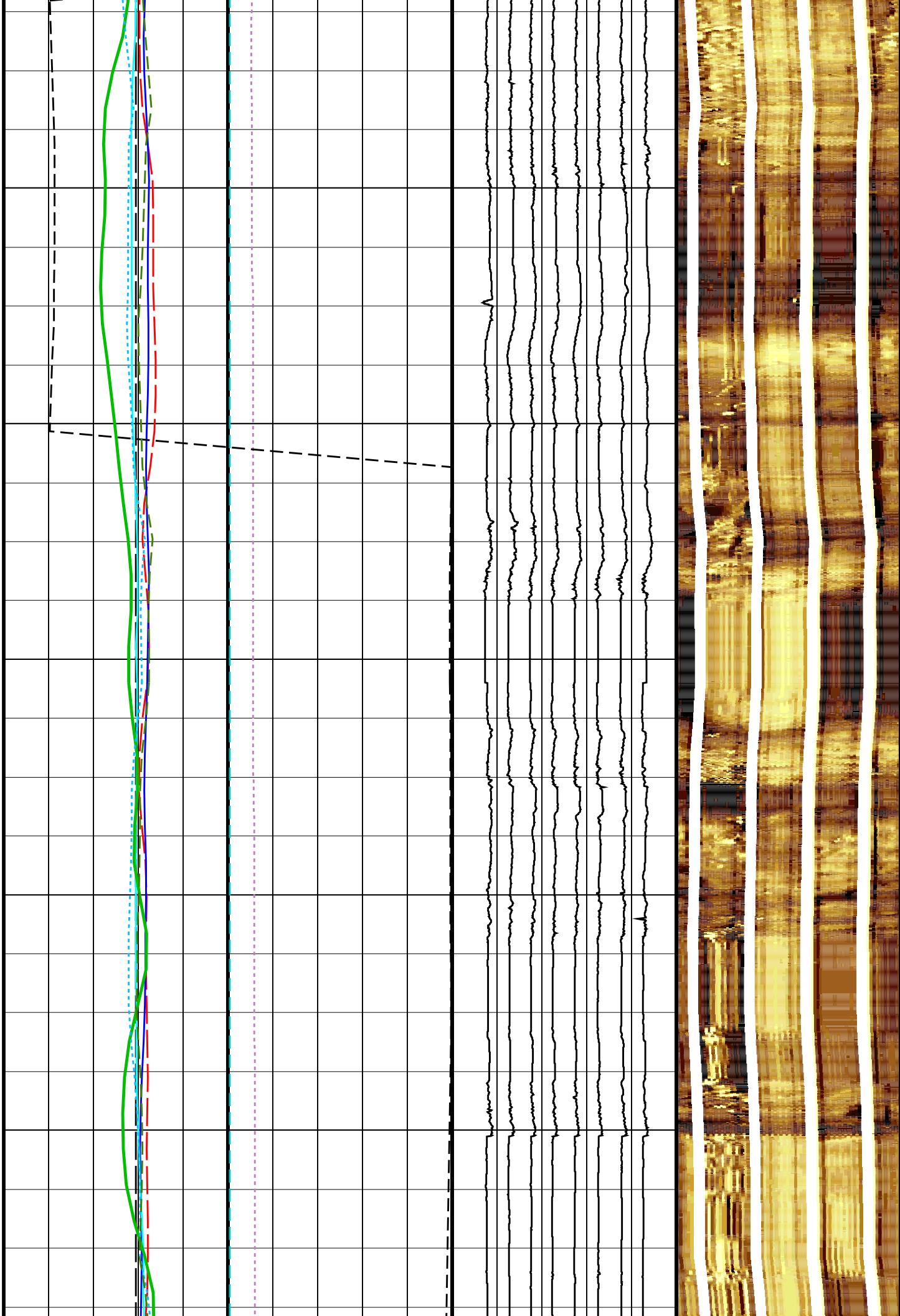
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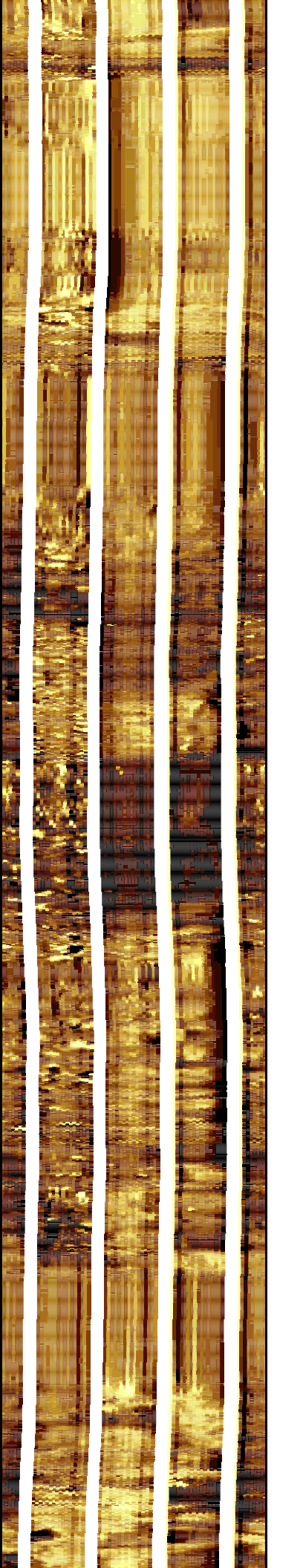
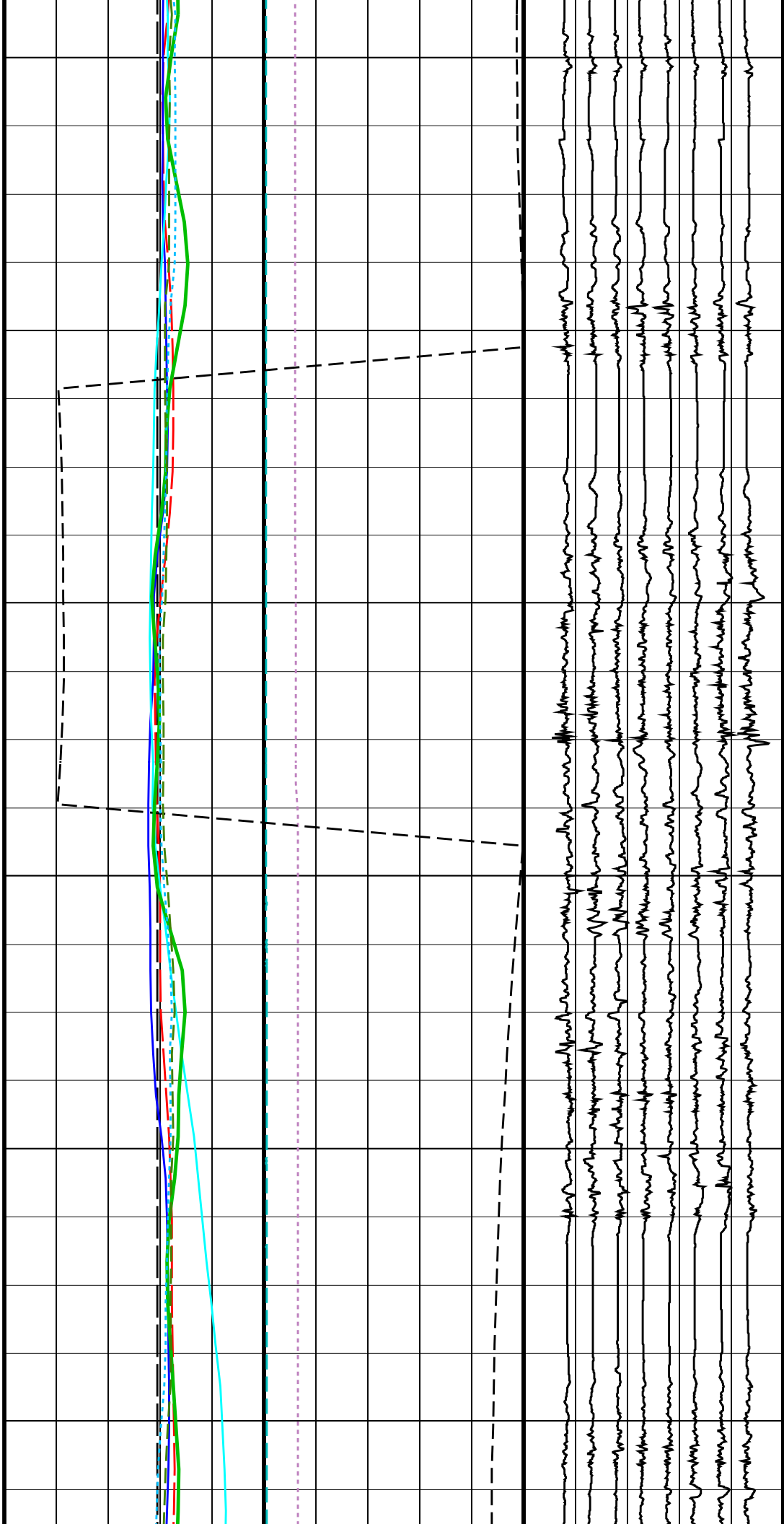
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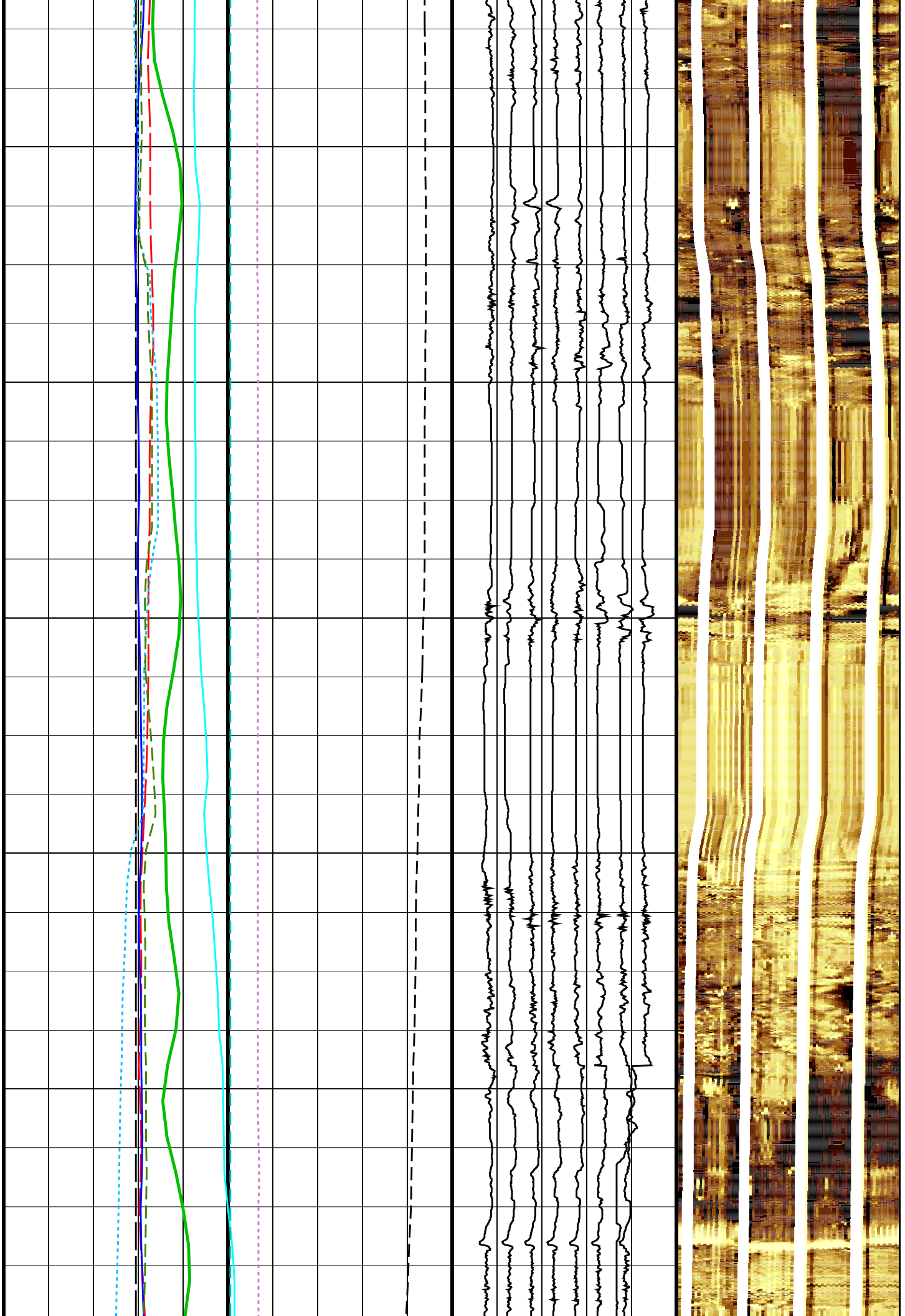
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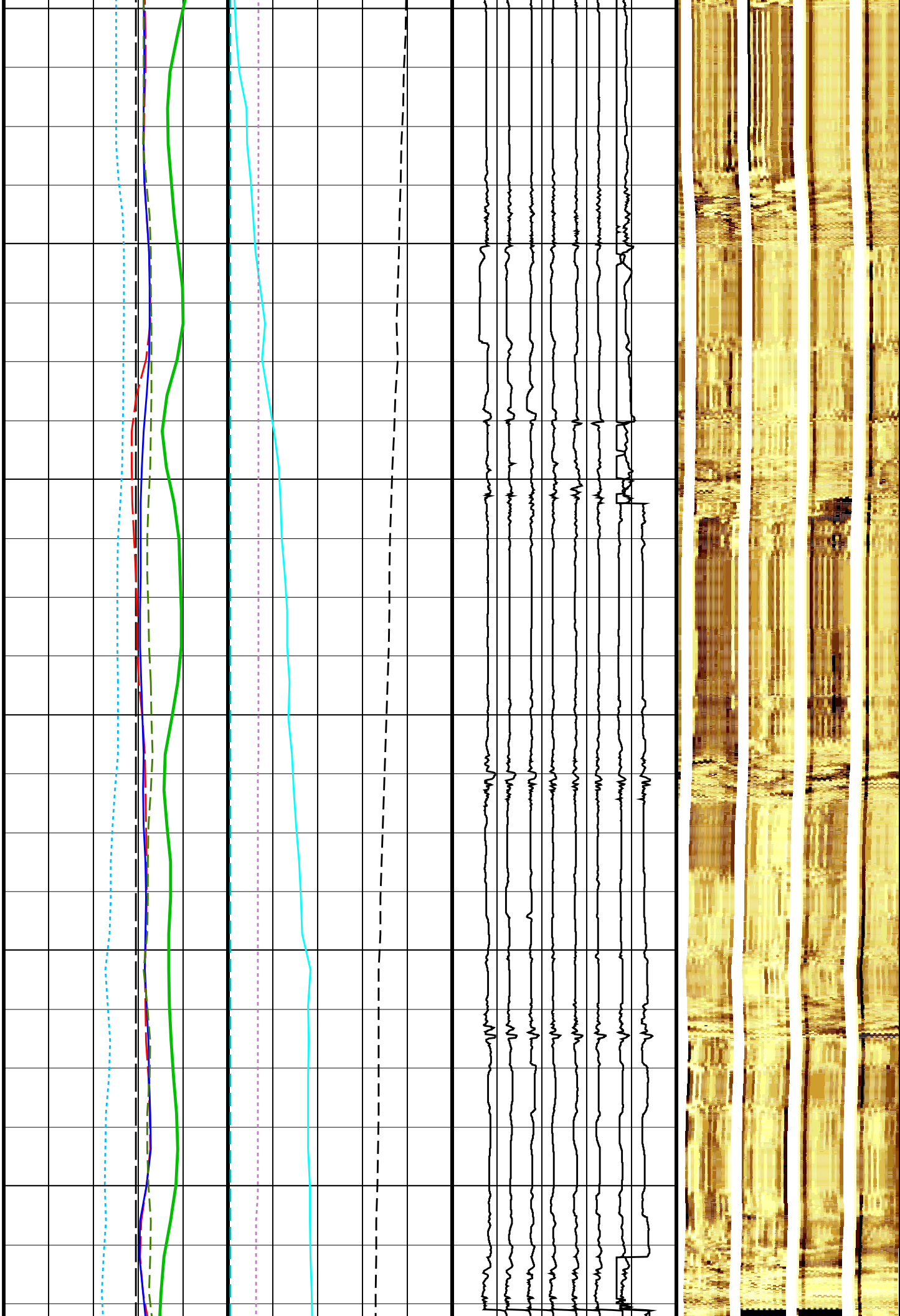
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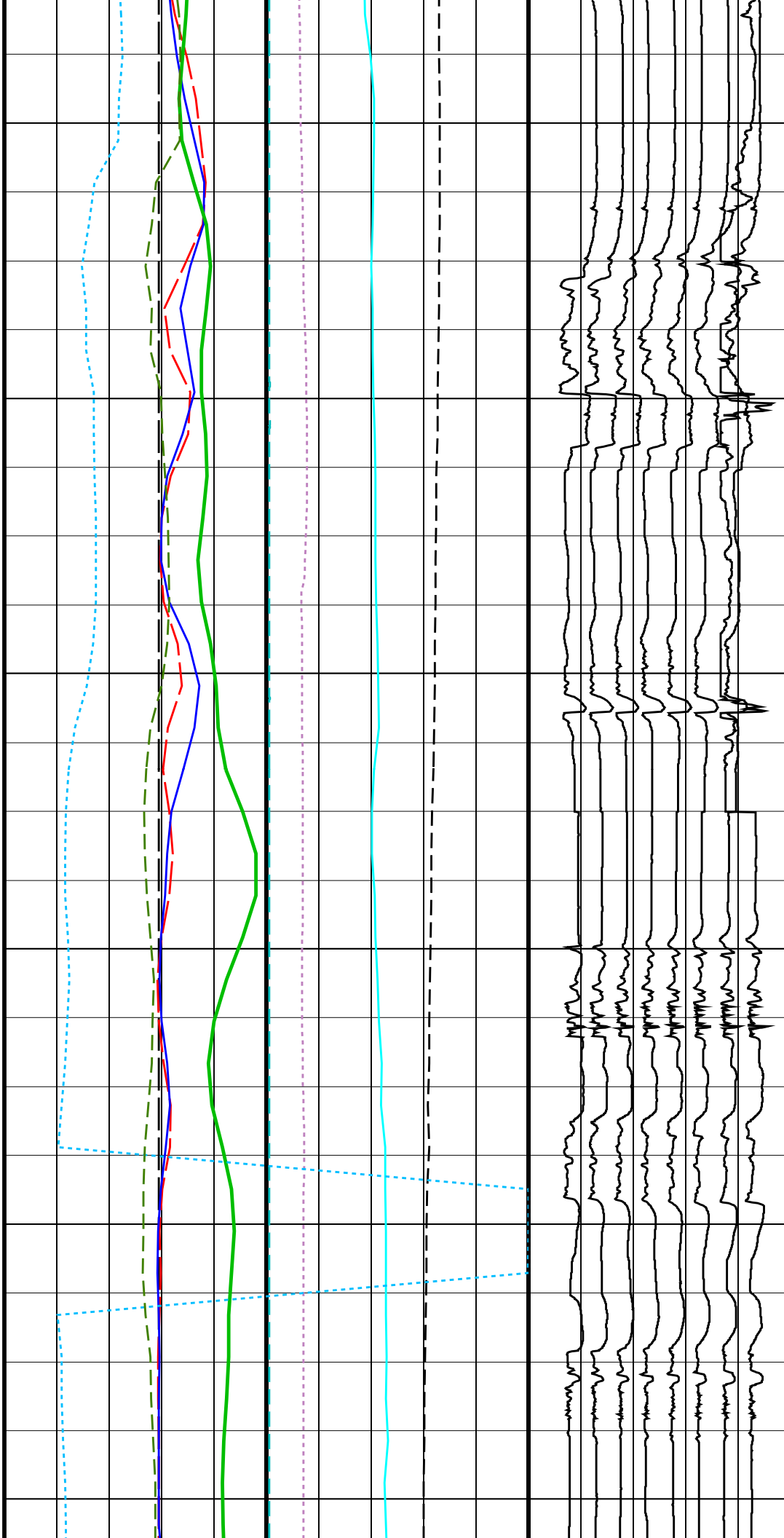
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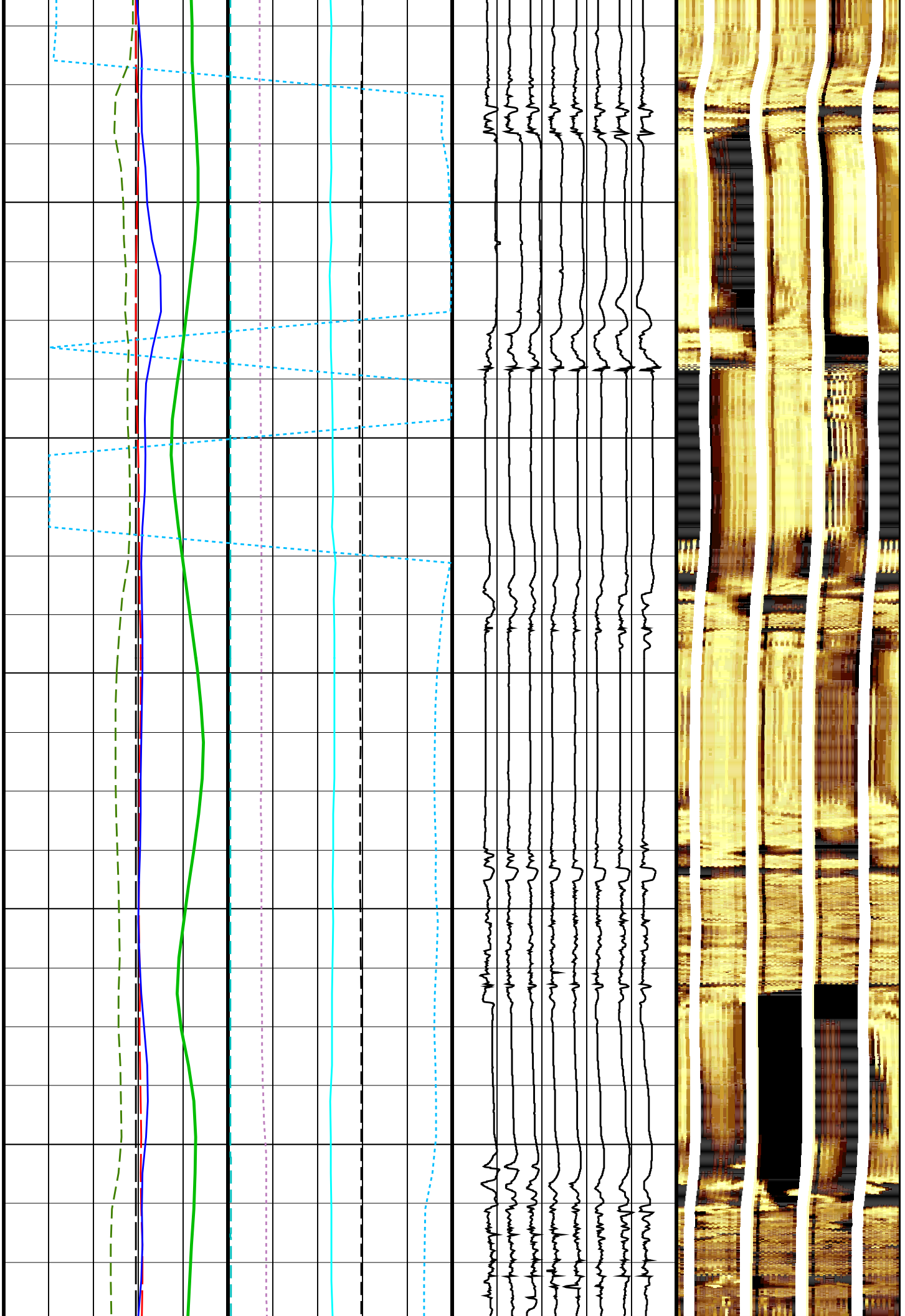
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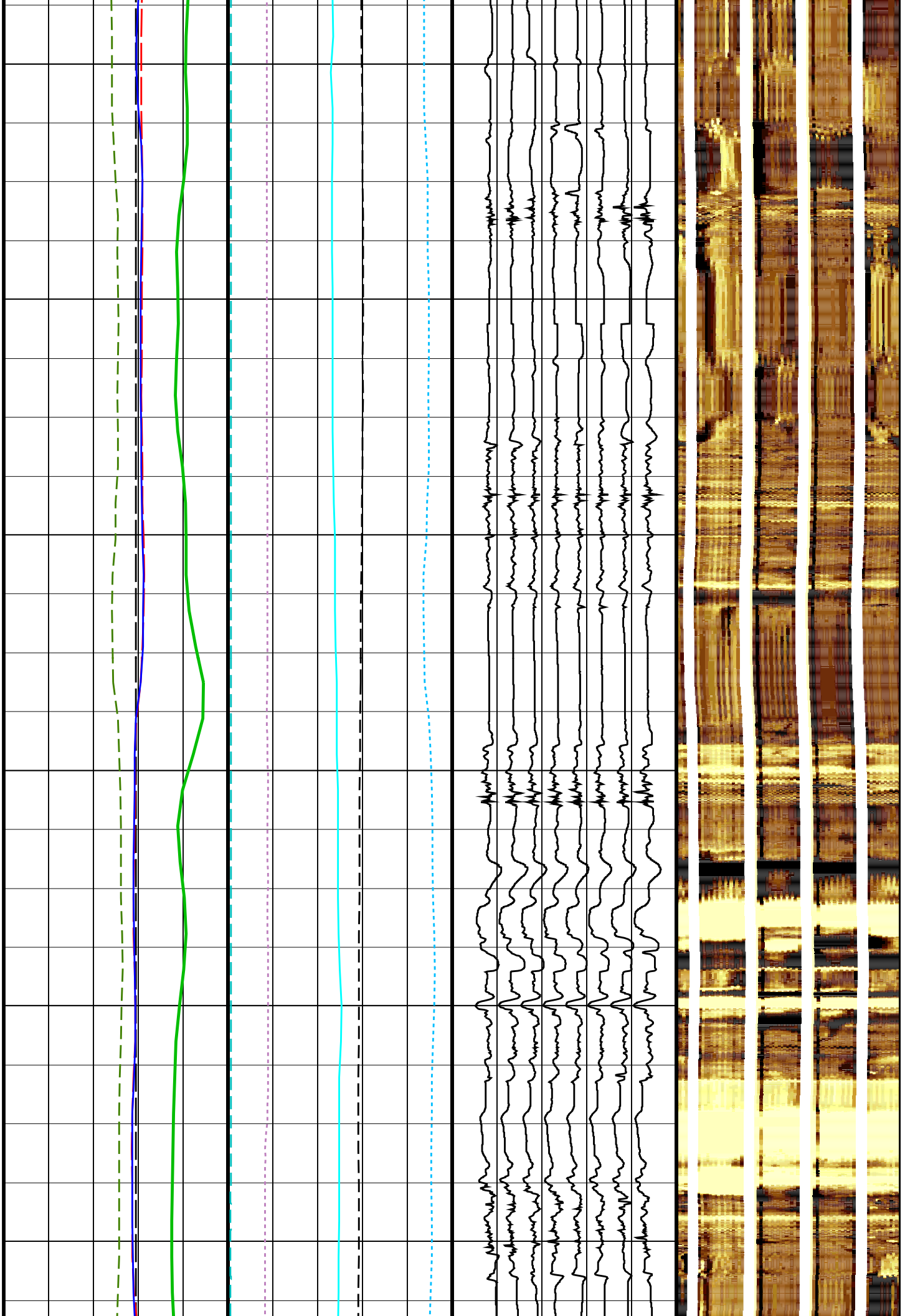
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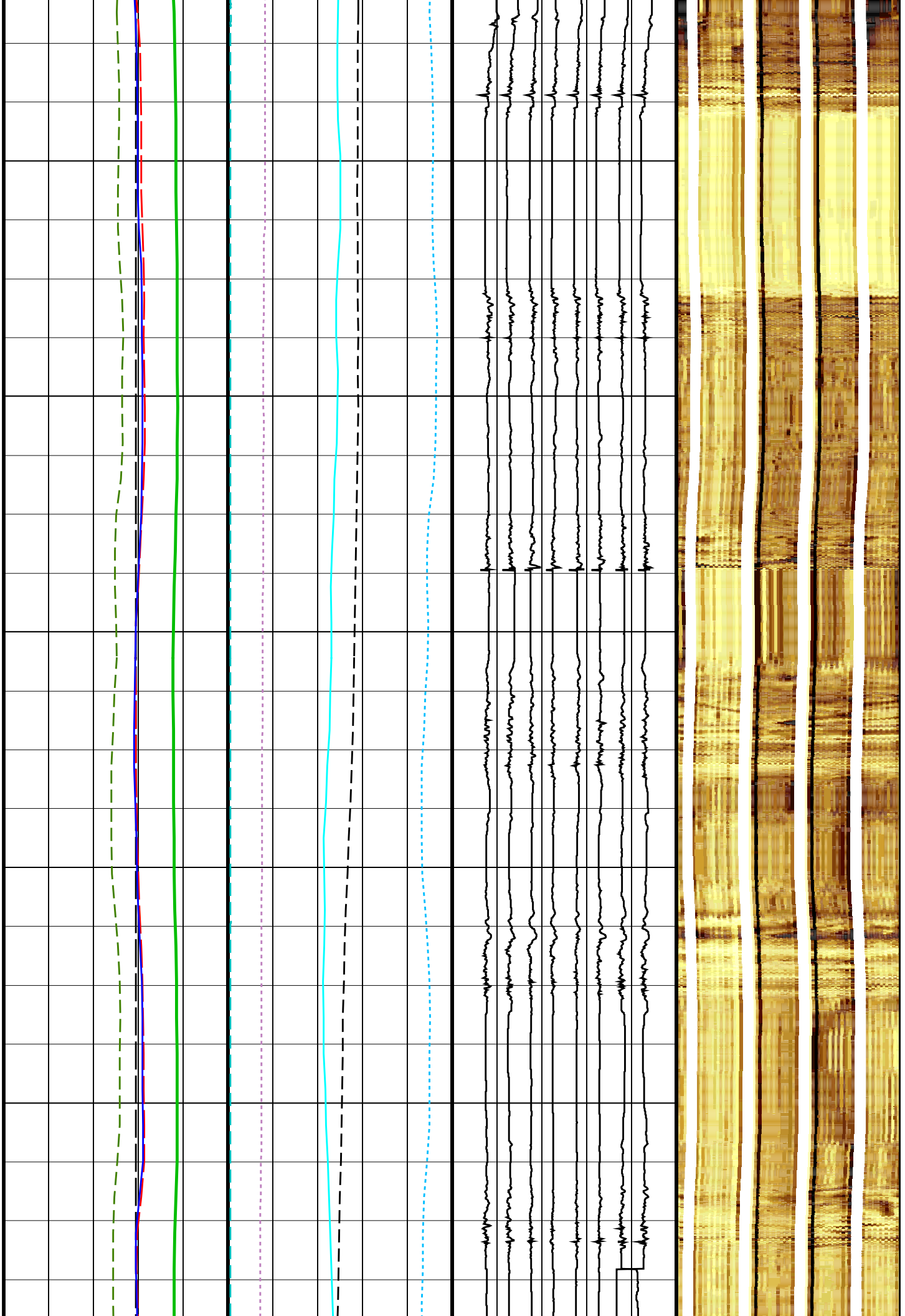
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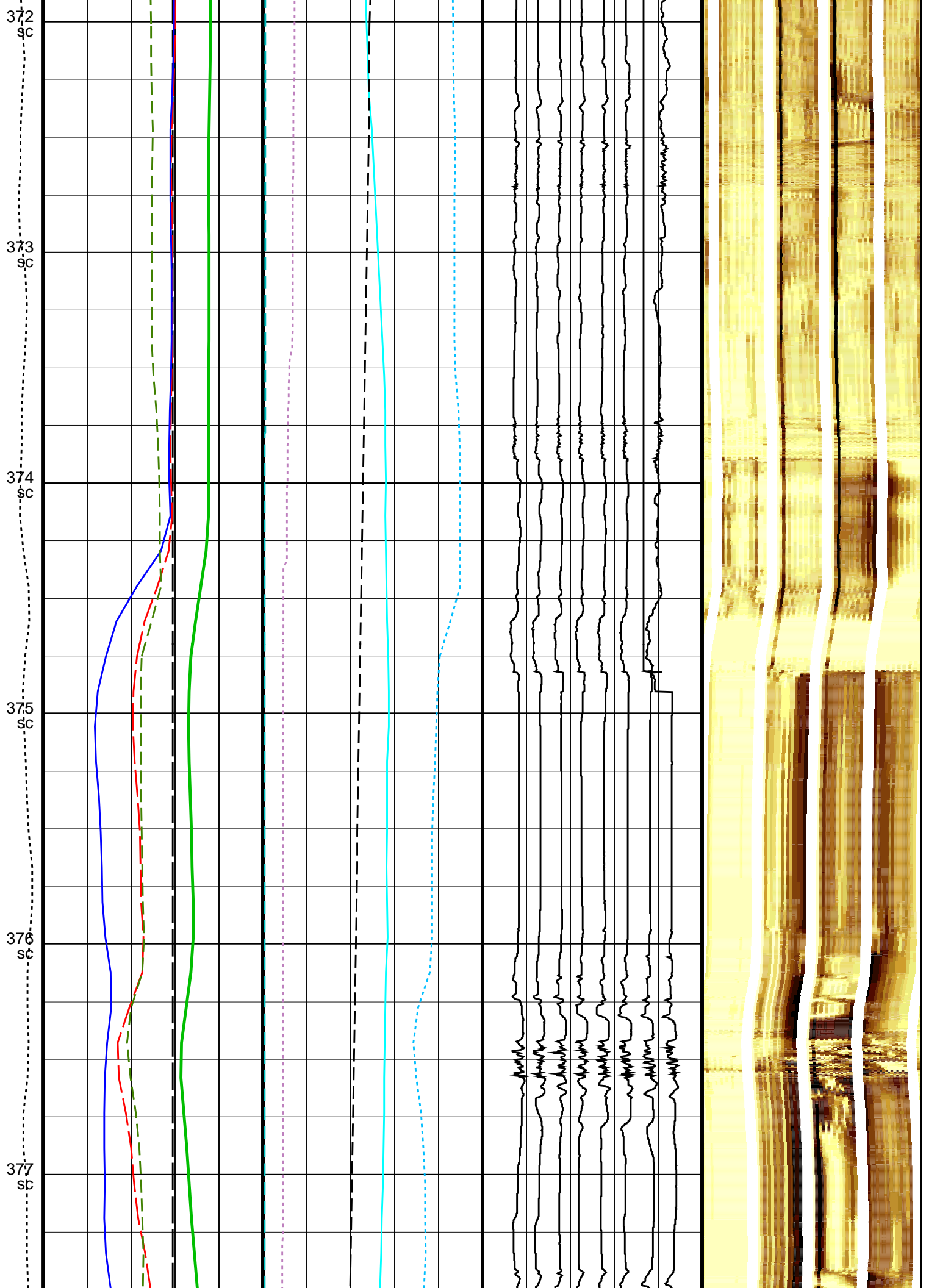
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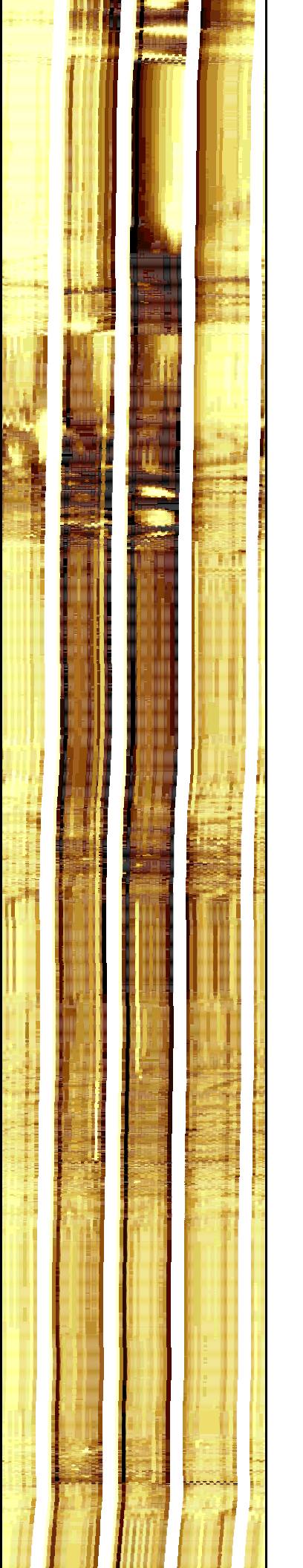
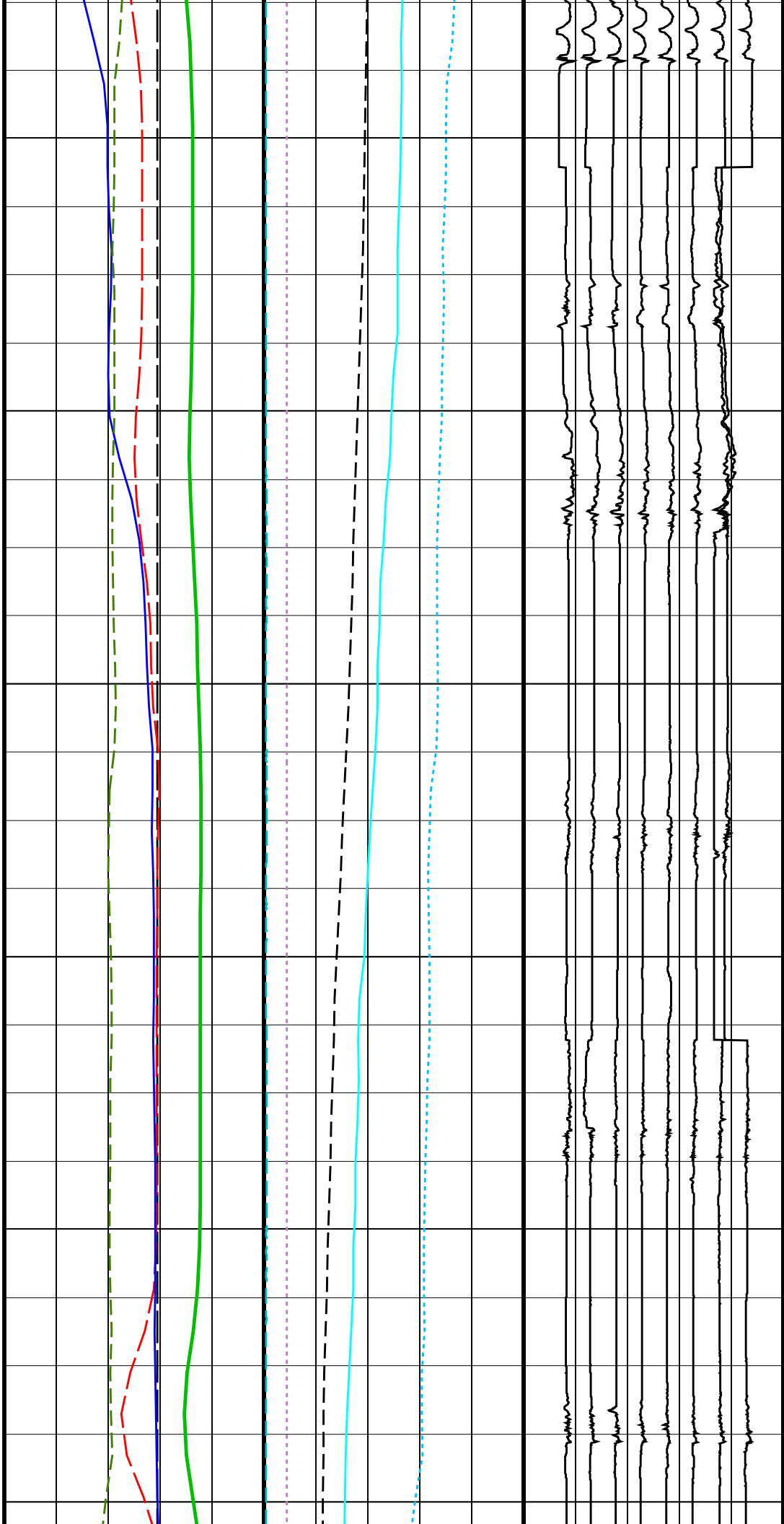
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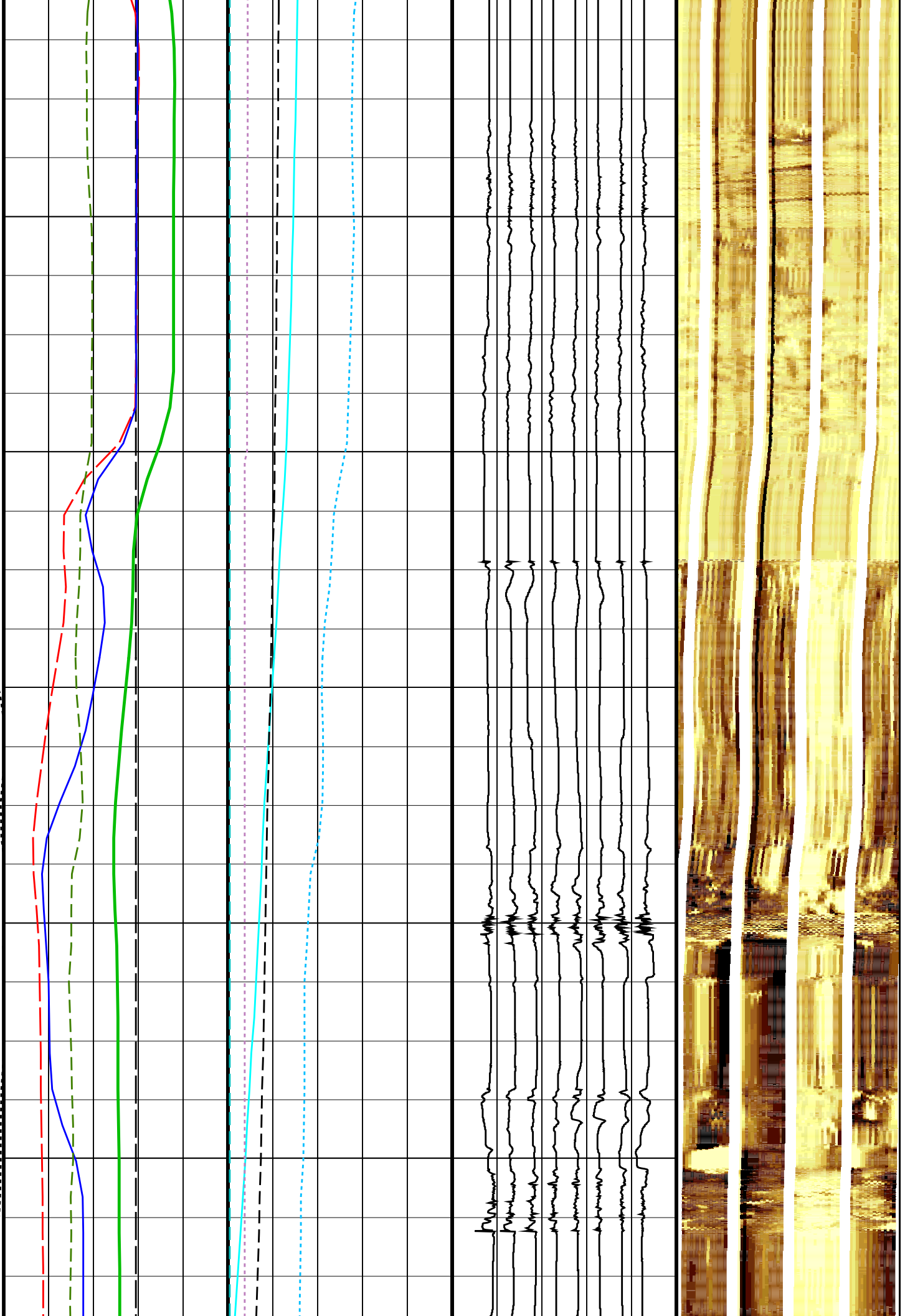
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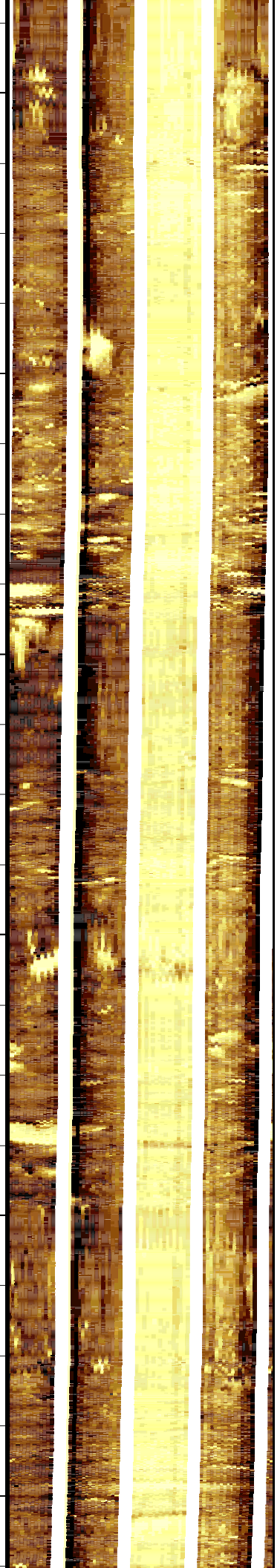
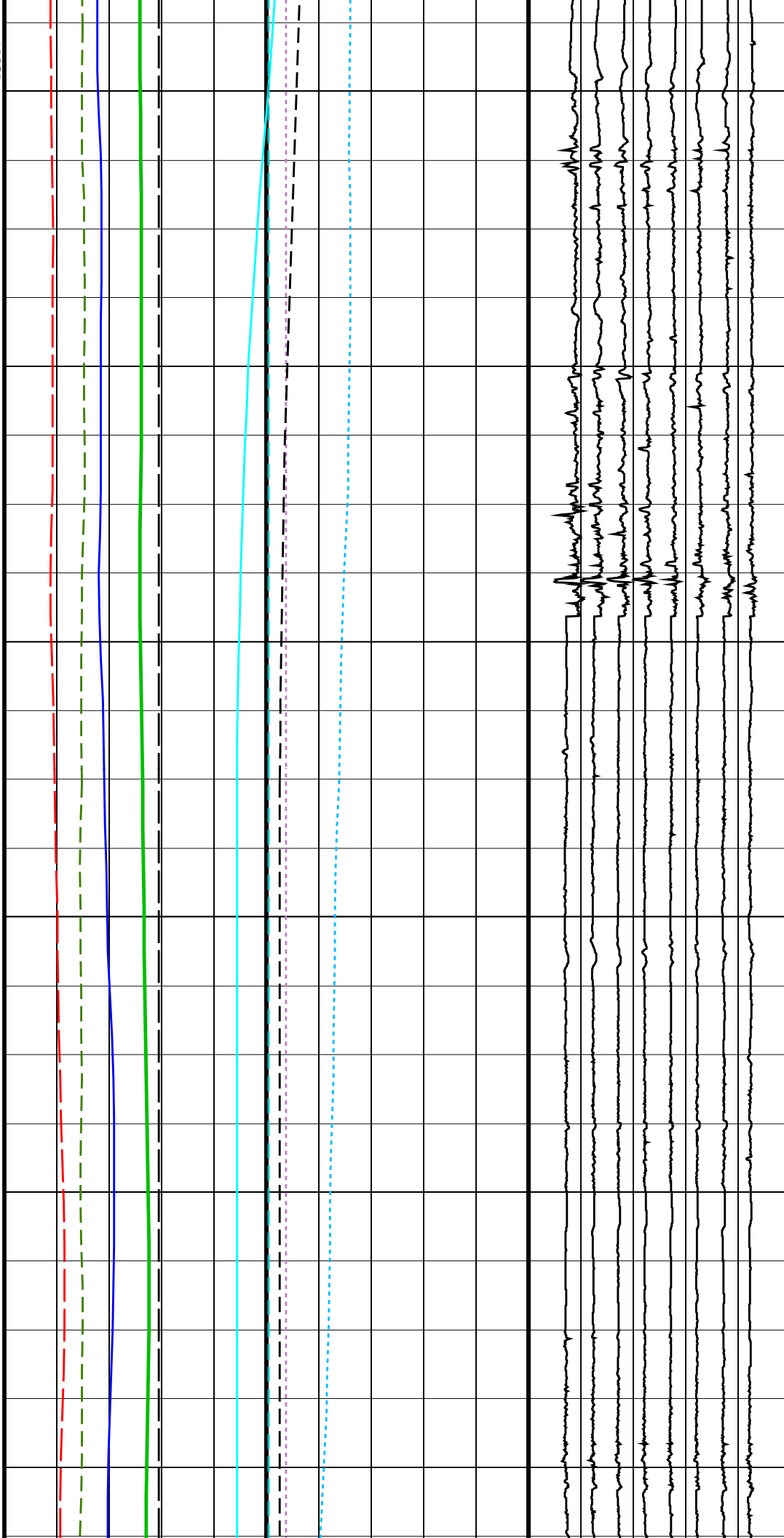
390
SC

391
SC

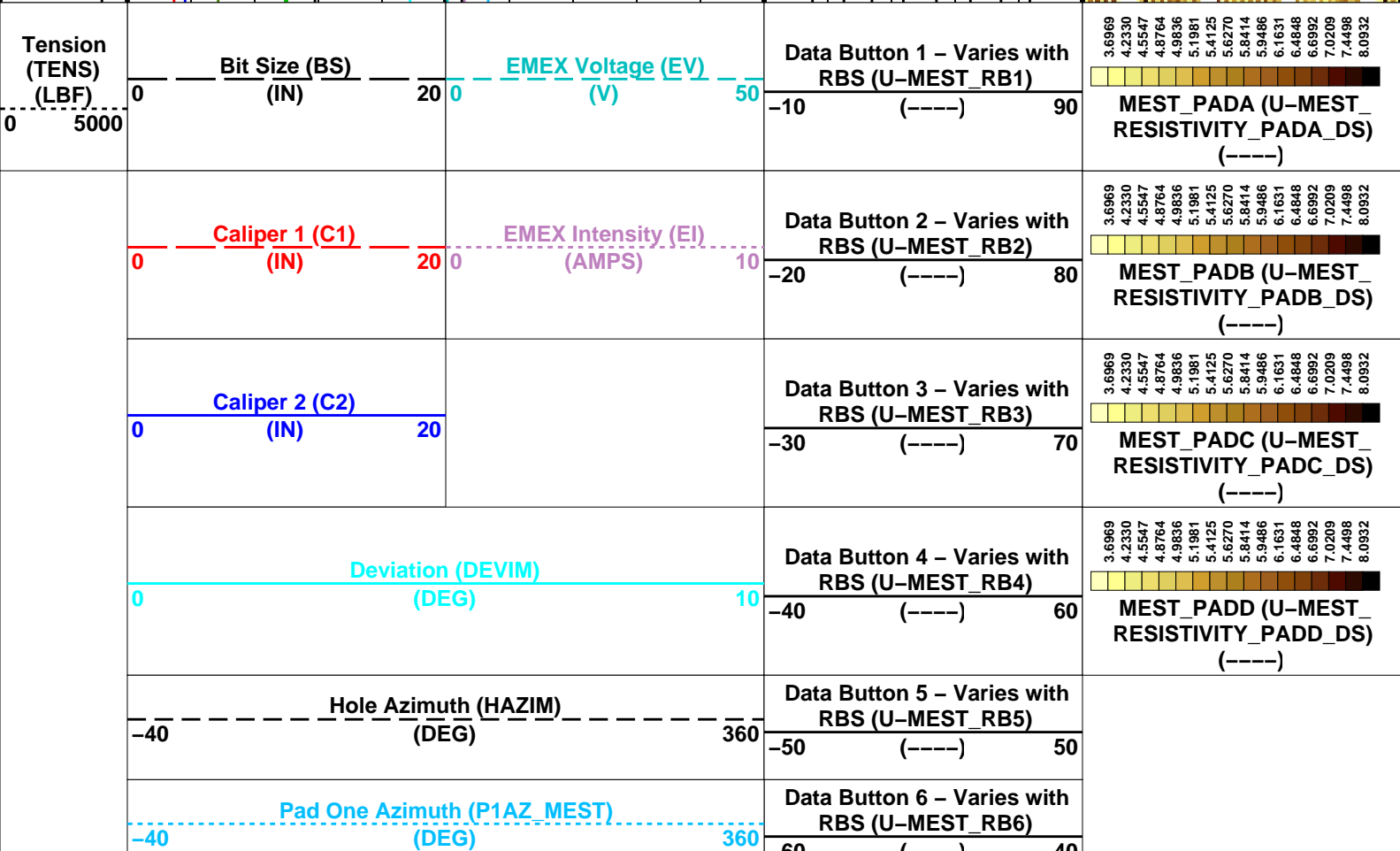
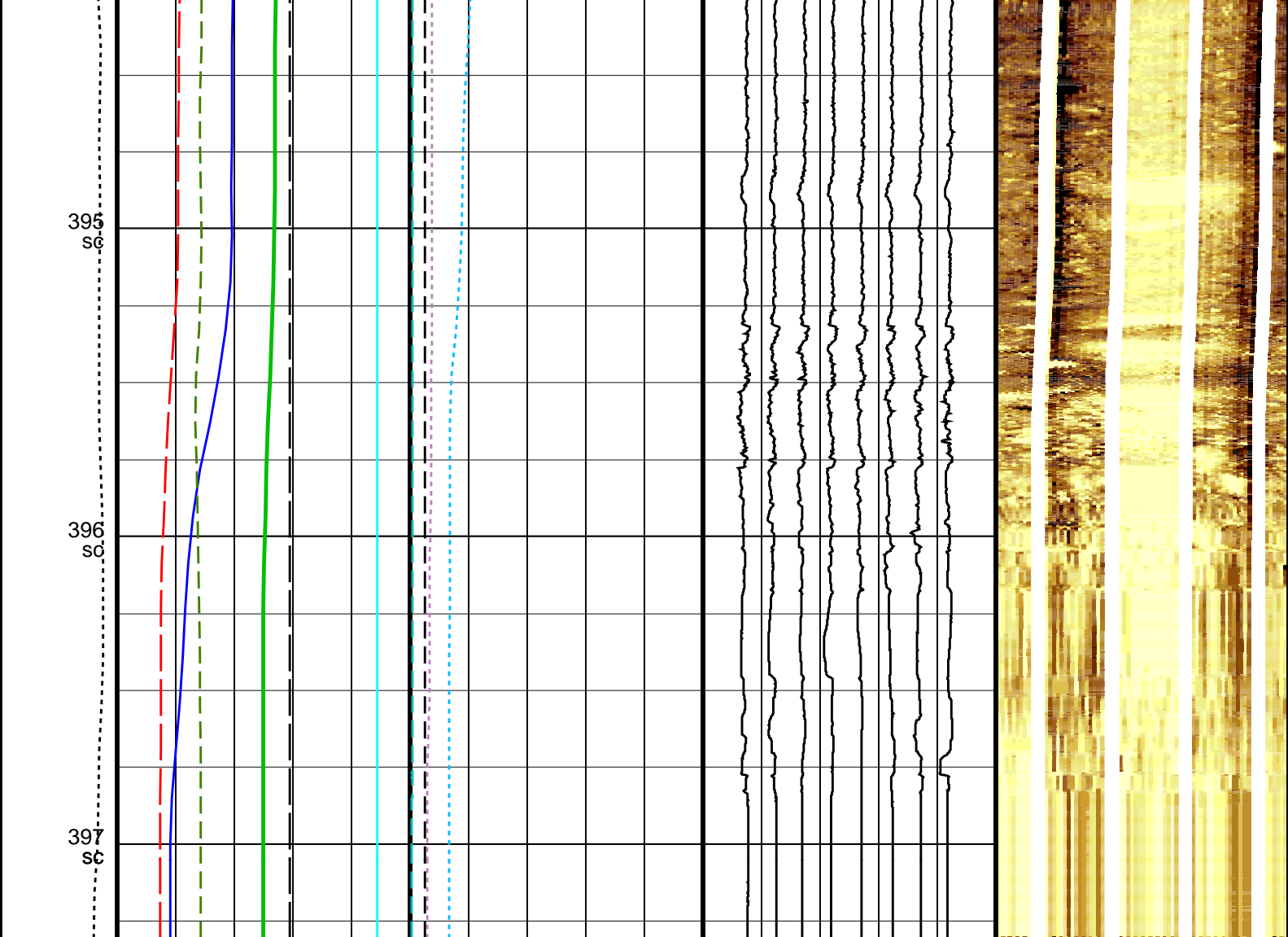
392
SC

393
SC

394
SC



395 SC
396 SC
397 SC



Output DLIS Files

DEFAULT FMS_DSI_NGS_036PUP FN:38 PRODUCER 31-Aug-2013 13:43
 CLIENT FMS_DSI_NGS_036PUC FN:39 CUSTOMER 31-Aug-2013 13:43



Main Pass

MAXIS Field Log

Company: Lamont Doherty Earth Observatory

Well: Expedition 346, Site U1425B

Input DLIS Files

DEFAULT FMS_DSI_NGS_021LUP FN:20 PRODUCER 30-Aug-2013 14:01 2313.4 M 1867.2 M

Output DLIS Files

DEFAULT FMS_DSI_NGS_038PUP FN:42 PRODUCER 31-Aug-2013 13:50 397.3 M 97.1 M
 CLIENT FMS_DSI_NGS_038PUC FN:43 CUSTOMER 31-Aug-2013 13:50 397.3 M 97.1 M



Indexed to Speed Corrected Depth in this Playback

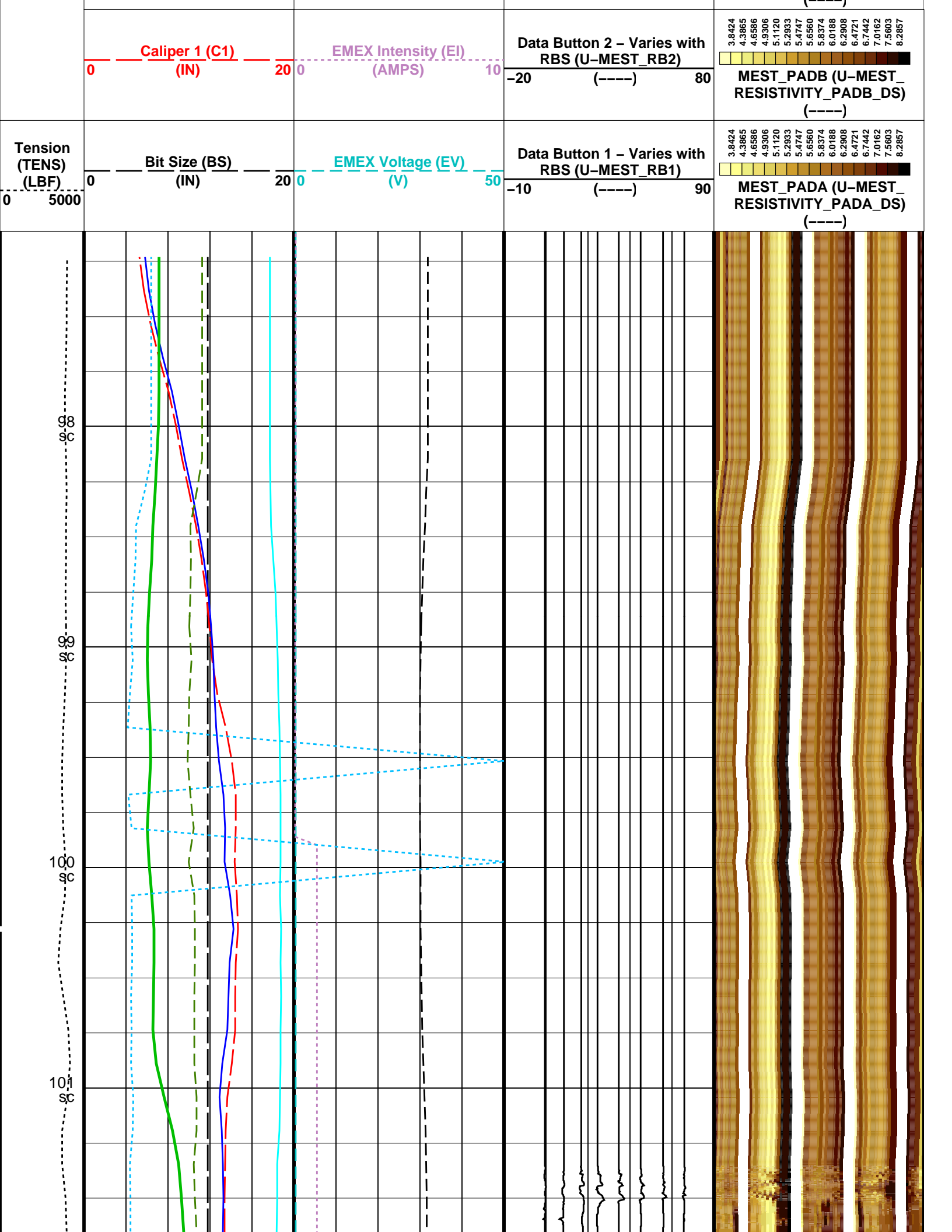
OP System Version: 19C0-187

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

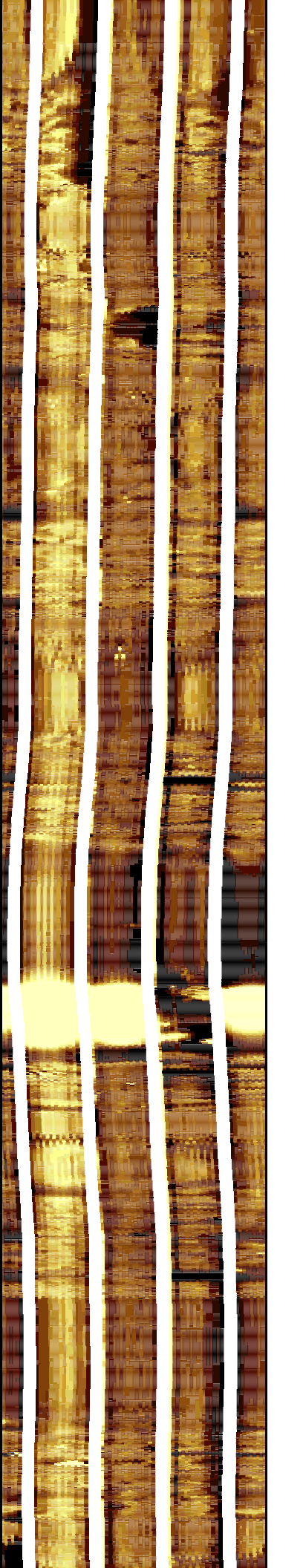
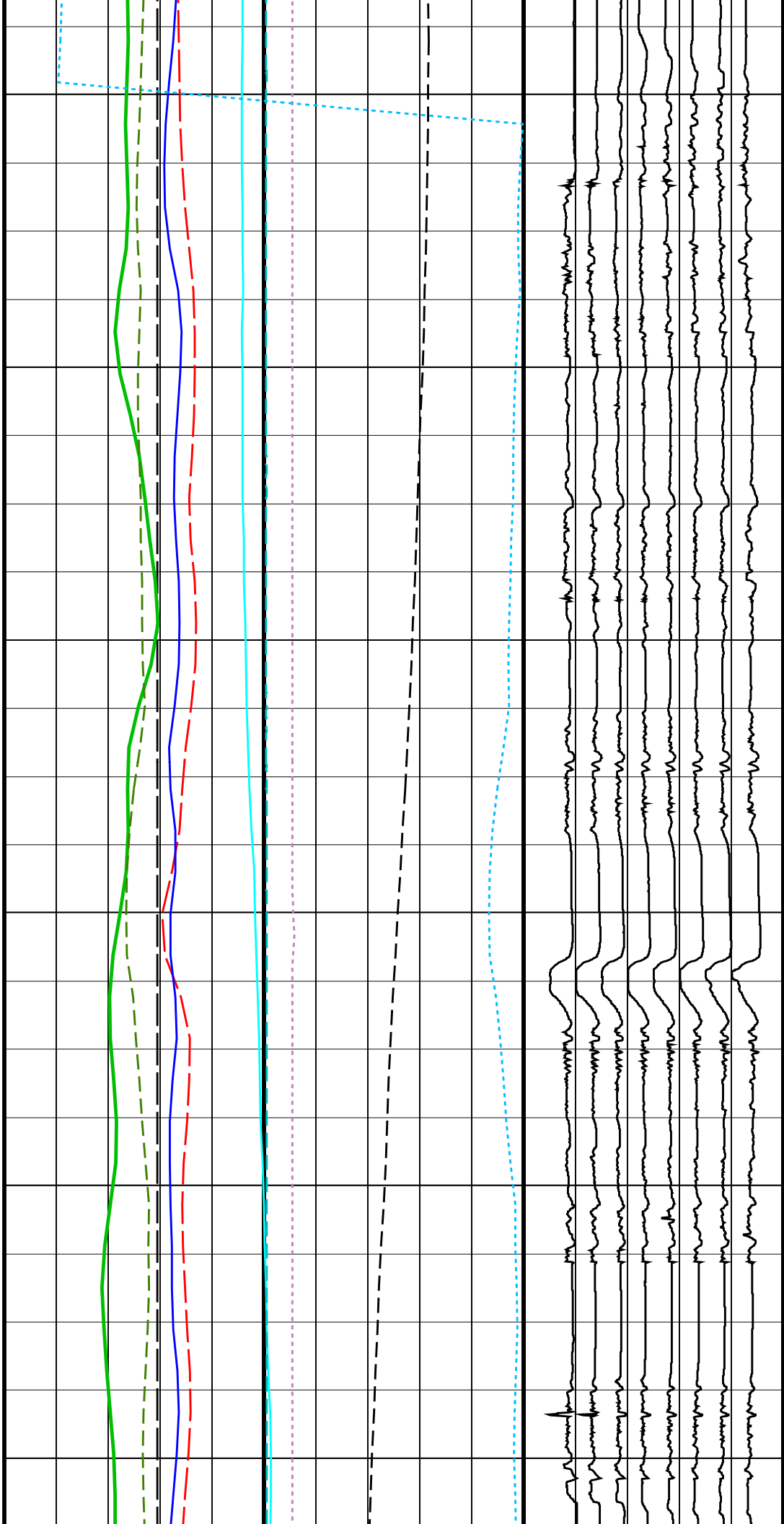
PIP SUMMARY

Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR) 0 (GAPI) 100		Data Button 8 - Varies with RBS (U-MEST_RB8) -80 (----) 20	
Relative Bearing (RB_MEST) -40 (DEG) 360		Data Button 7 - Varies with RBS (U-MEST_RB7) -70 (----) 30	
Pad One Azimuth (P1AZ_MEST) -40 (DEG) 360		Data Button 6 - Varies with RBS (U-MEST_RB6) -60 (----) 40	
Hole Azimuth (HAZIM) -40 (DEG) 360		Data Button 5 - Varies with RBS (U-MEST_RB5) -50 (----) 50	
Deviation (DEVIM) 0 (DEG) 10		Data Button 4 - Varies with RBS (U-MEST_RB4) -40 (----) 60	3.8424 4.3865 4.6586 4.9306 5.1120 5.2933 5.4747 5.6560 5.8374 6.0188 6.2908 6.4721 6.7442 7.0162 7.5603 8.2857  MEST_PADD (U-MEST_RESISTIVITY_PADD_DS) (----)
Caliper 2 (C2) 0 (IN) 20		Data Button 3 - Varies with RBS (U-MEST_RB3) -30 (----) 70	3.8424 4.3865 4.6586 4.9306 5.1120 5.2933 5.4747 5.6560 5.8374 6.0188 6.2908 6.4721 6.7442 7.0162 7.5603 8.2857  MEST_PADC (U-MEST_RESISTIVITY_PADC_DS) (----)



102 sc
103 sc
104 sc
105 sc
106 sc
107 sc



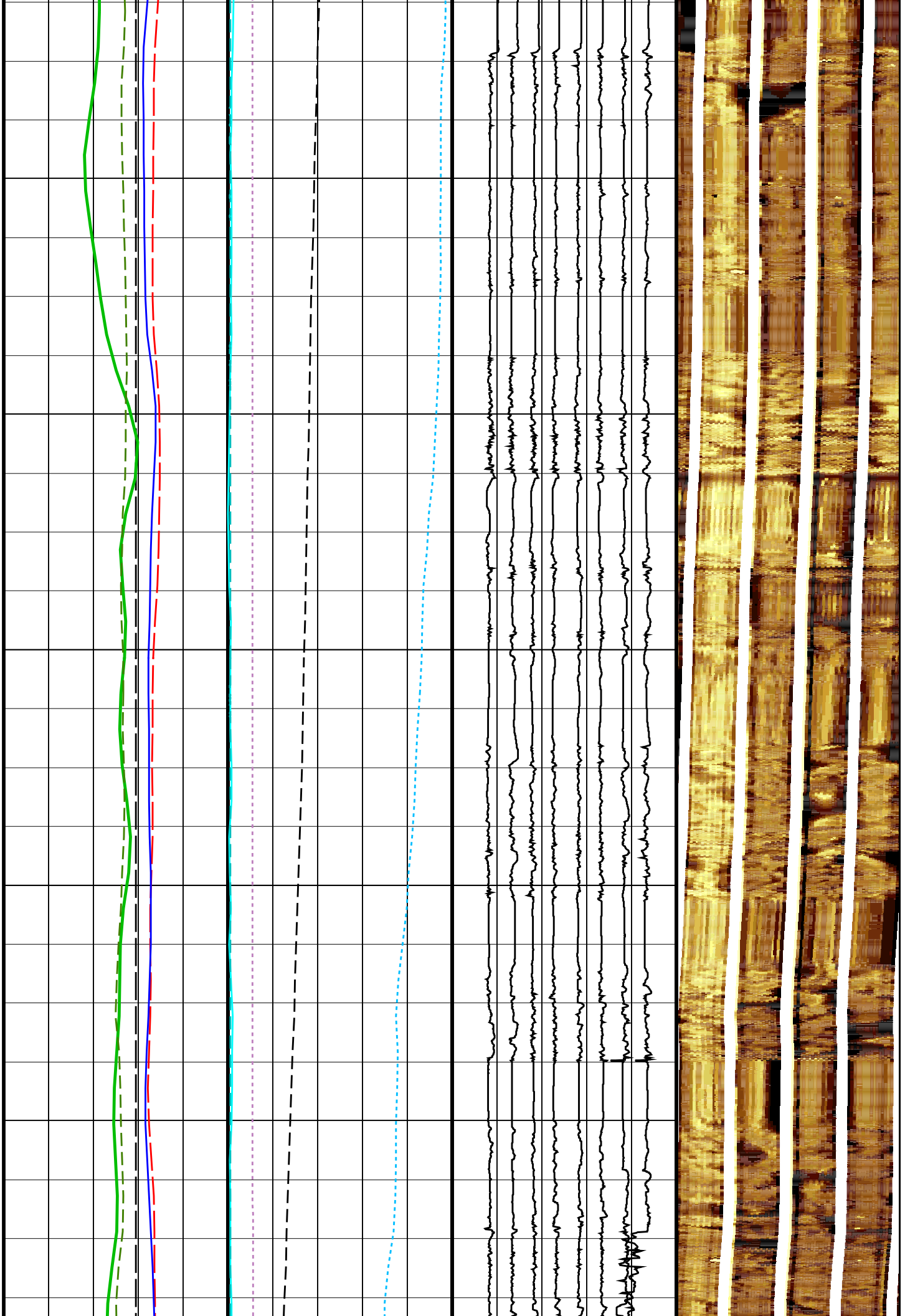
108
SC

109
SC

110
SC

111
SC

112
SC



113
SC

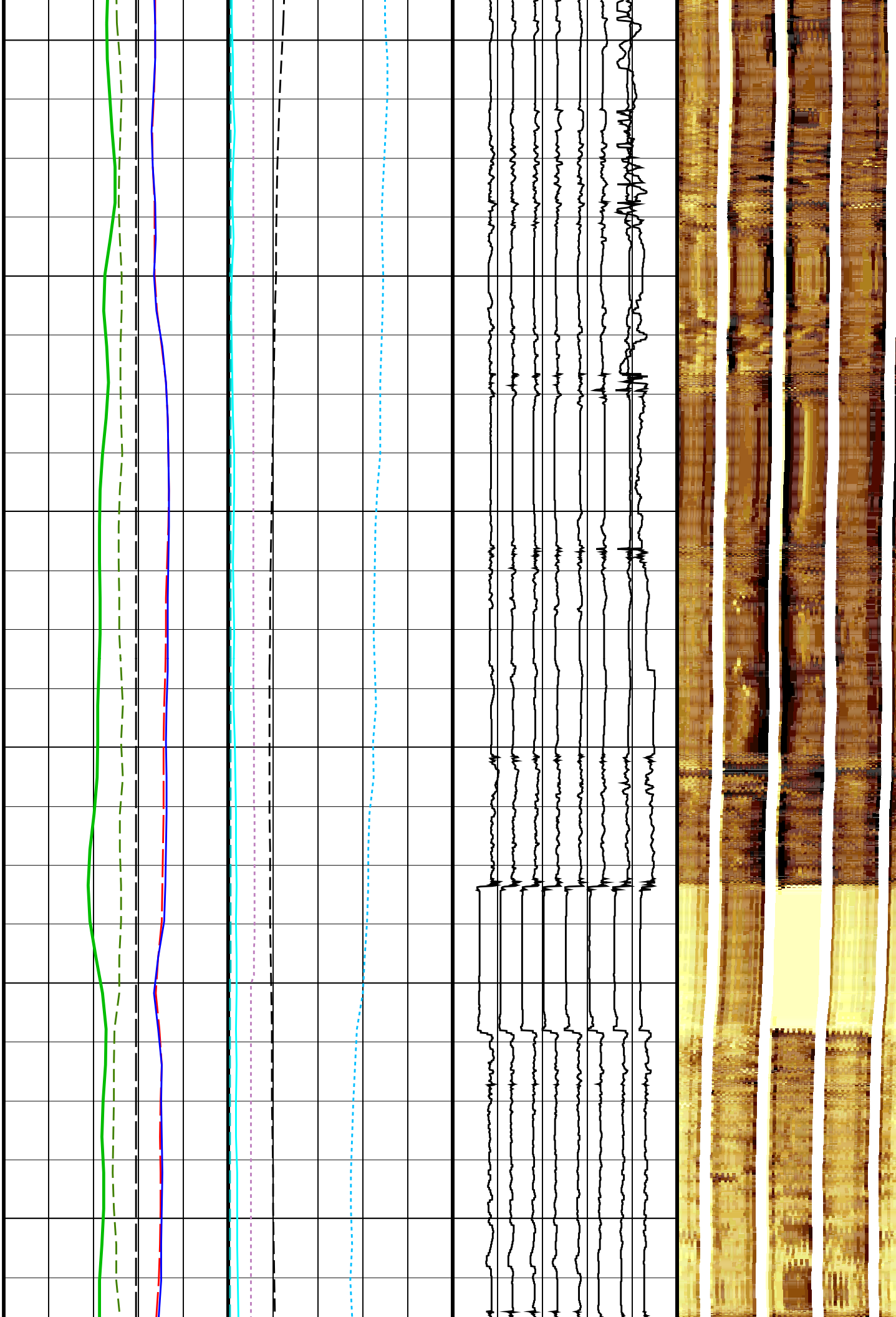
114
SC

115
SC

116
SC

117
SC

118
SC



119
SC

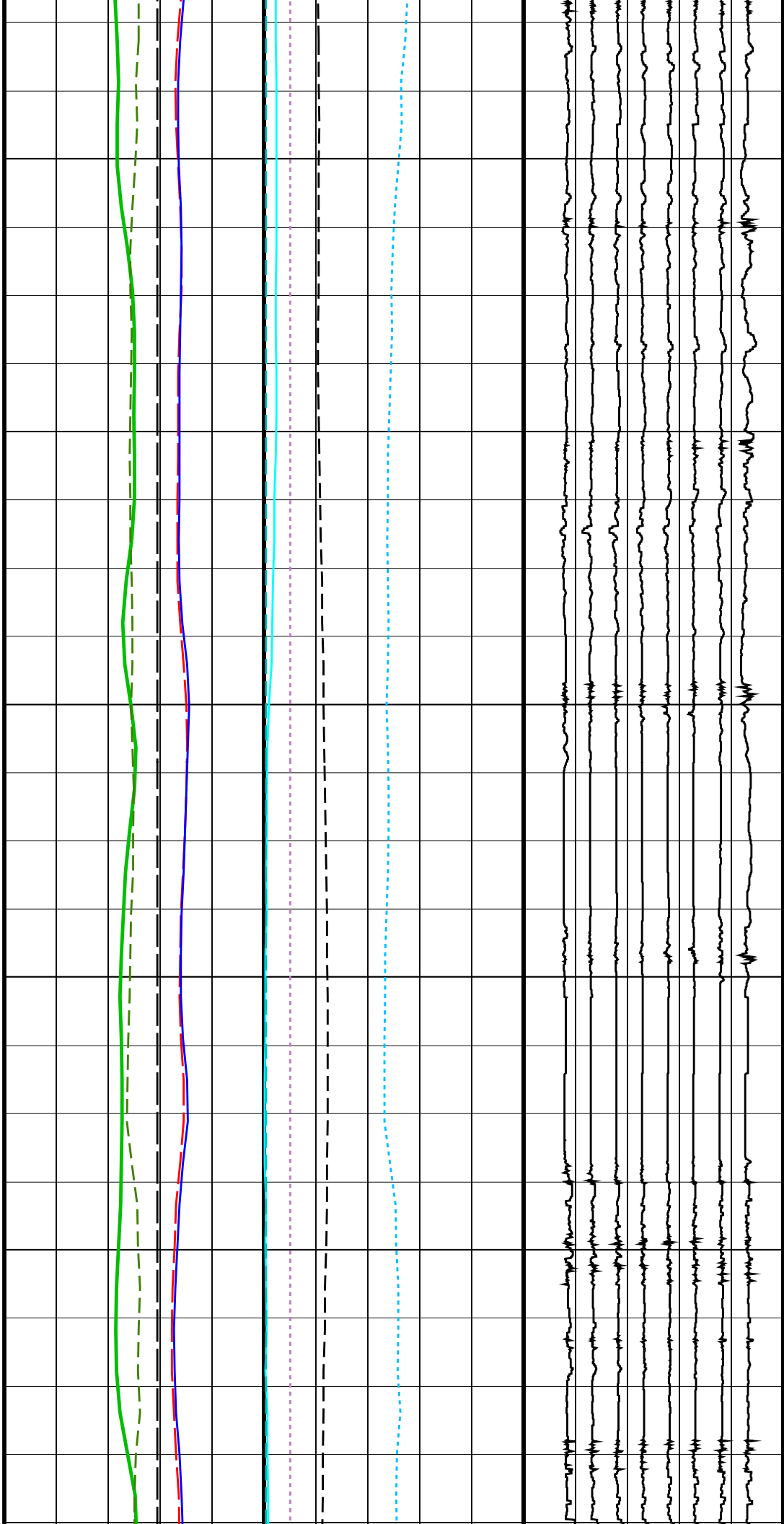
120
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121
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122
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123
SC

124



SC

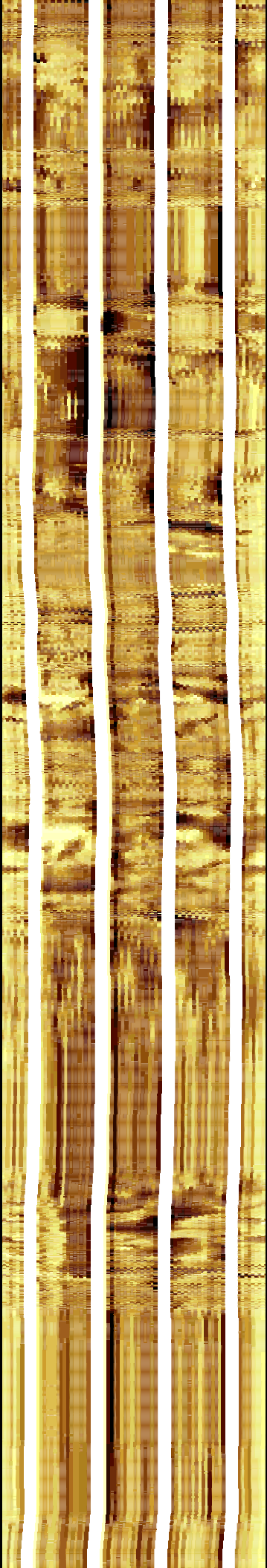
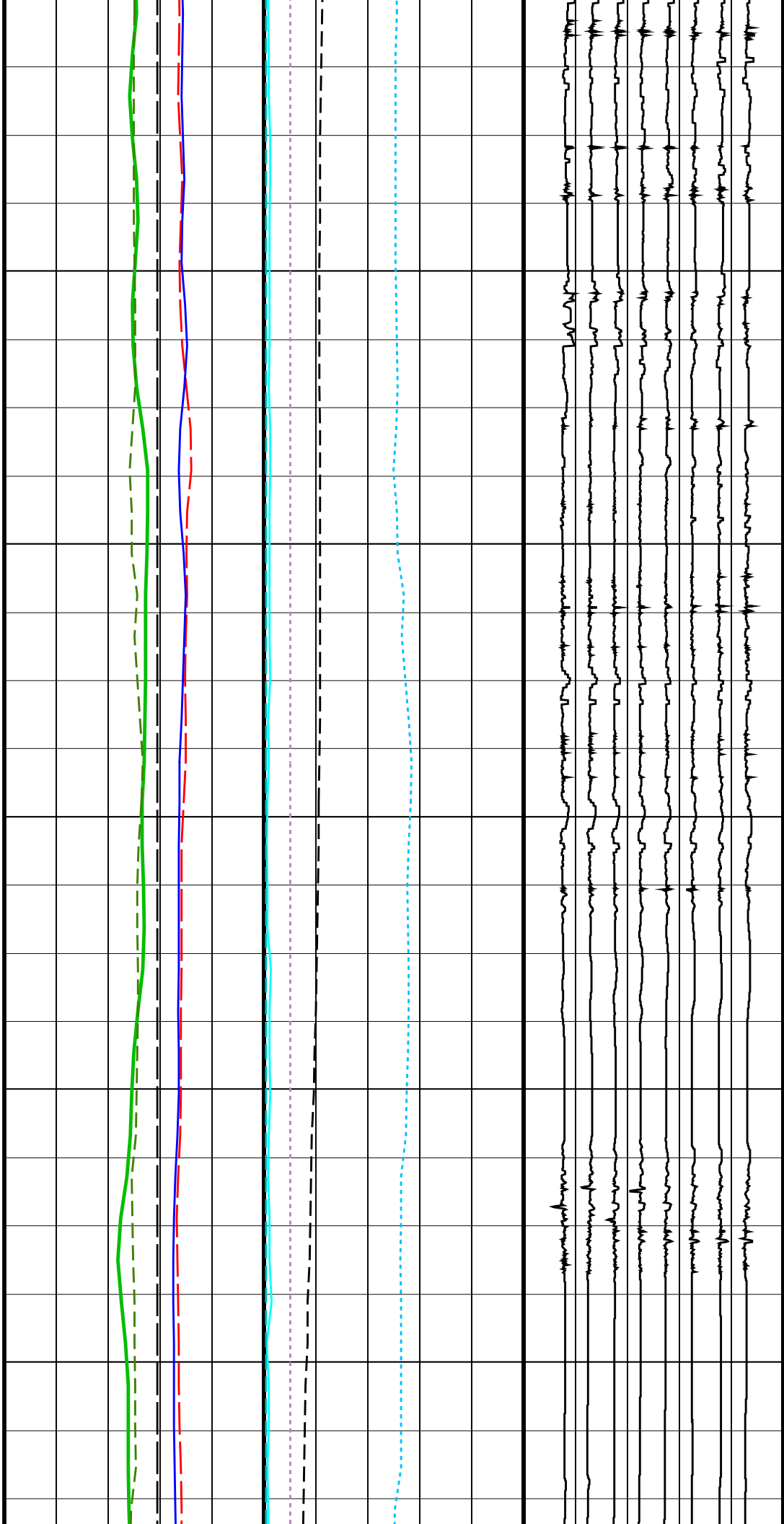
125 SC

126 SC

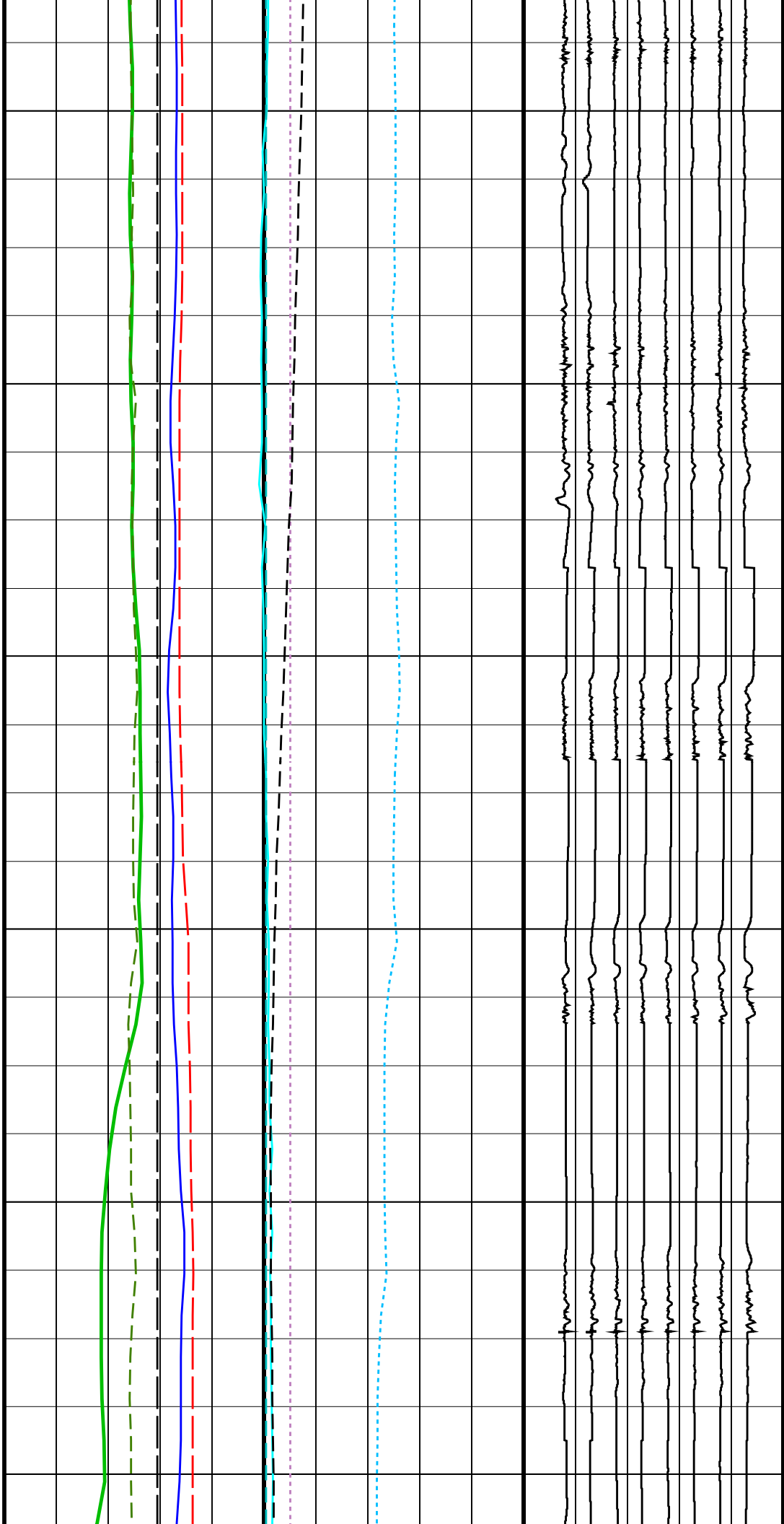
127 SC

128 SC

129 SC



130 SC
131 SC
132 SC
133 SC
134 SC
135 SC



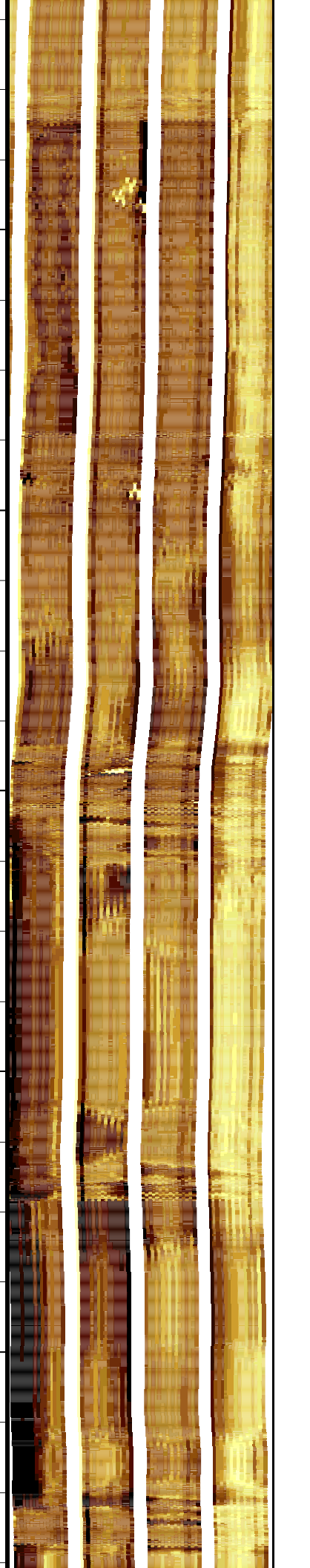
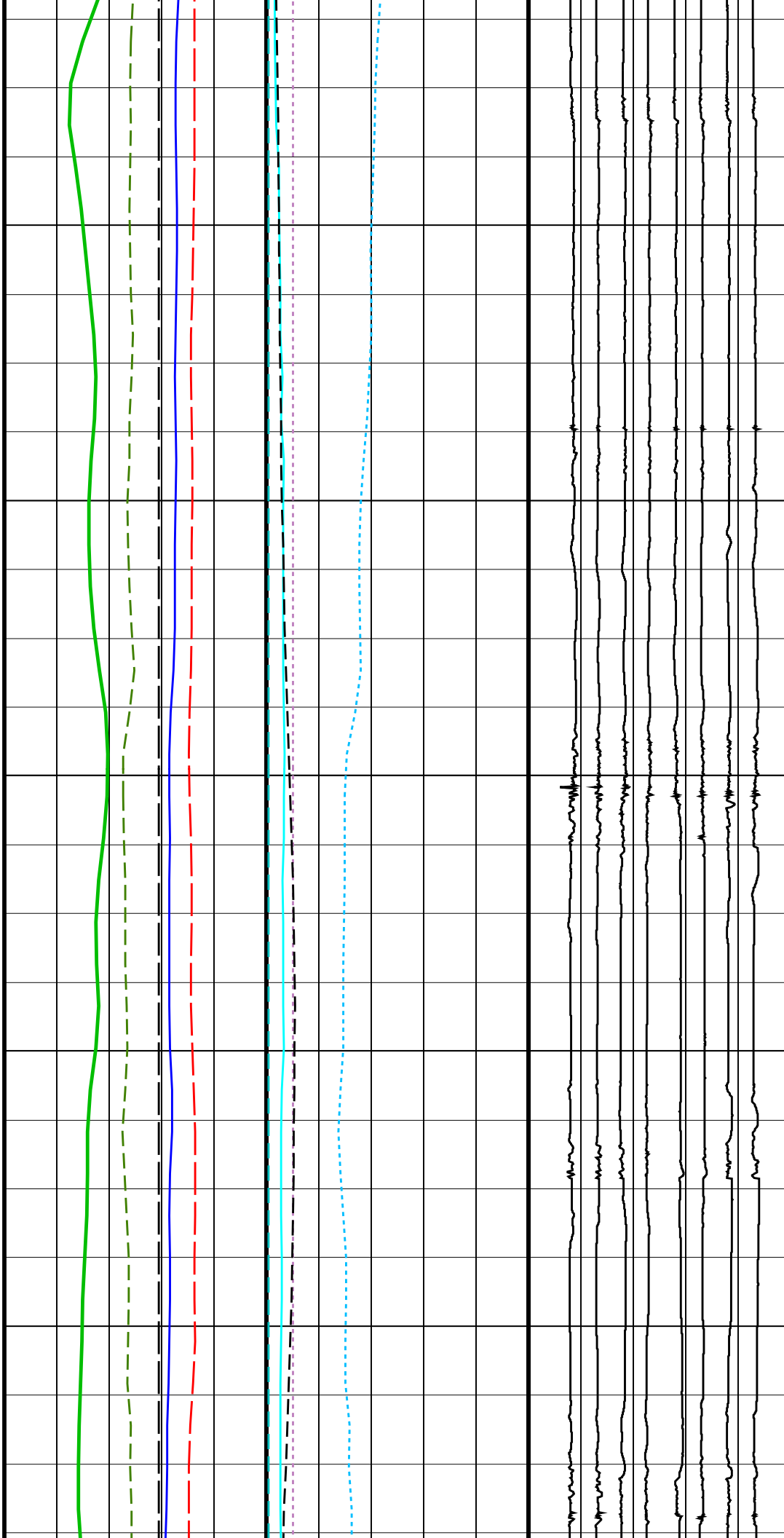
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SC

137
SC

138
SC

139
SC

140
SC



141
SC

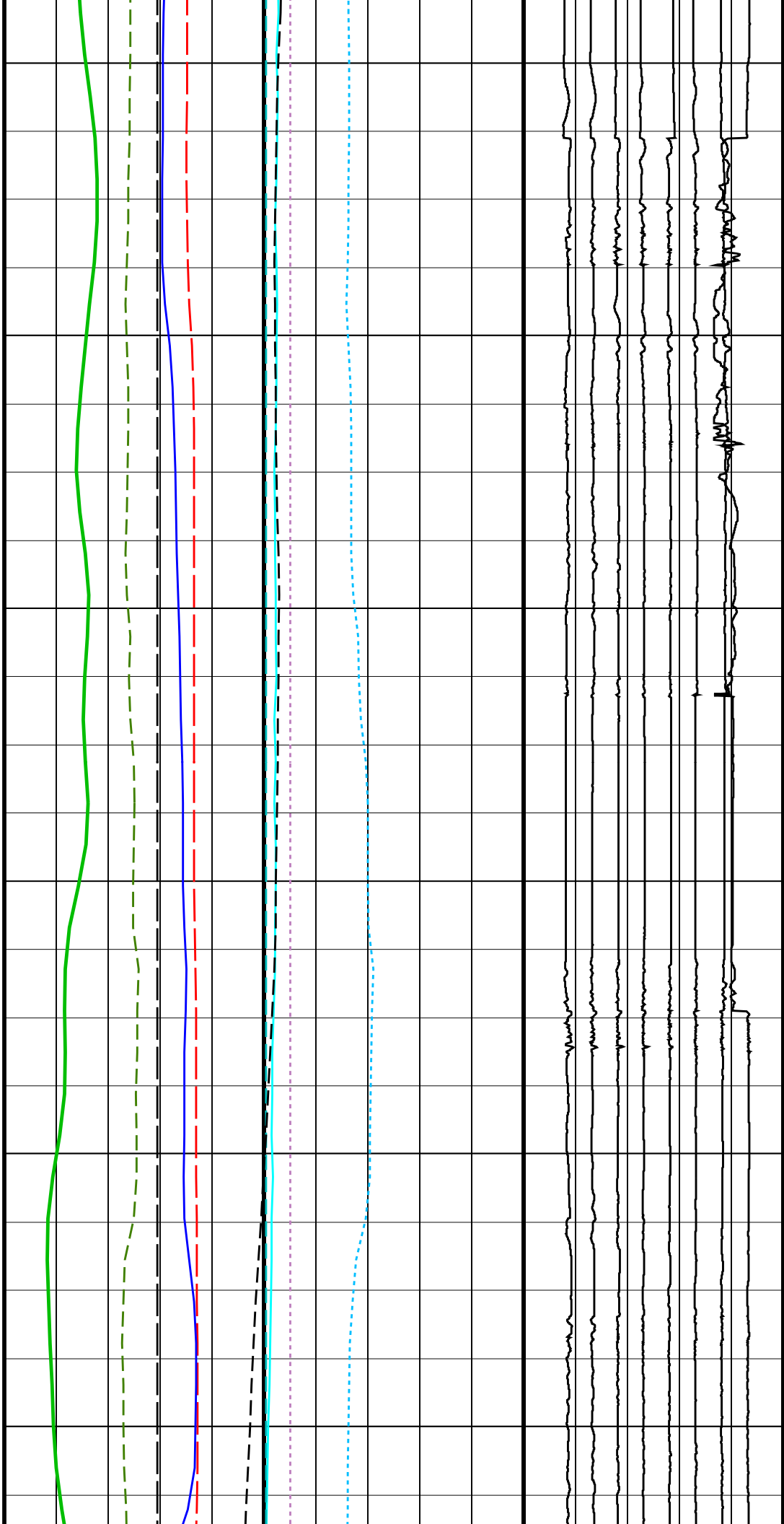
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143
SC

144
SC

145
SC

146
SC



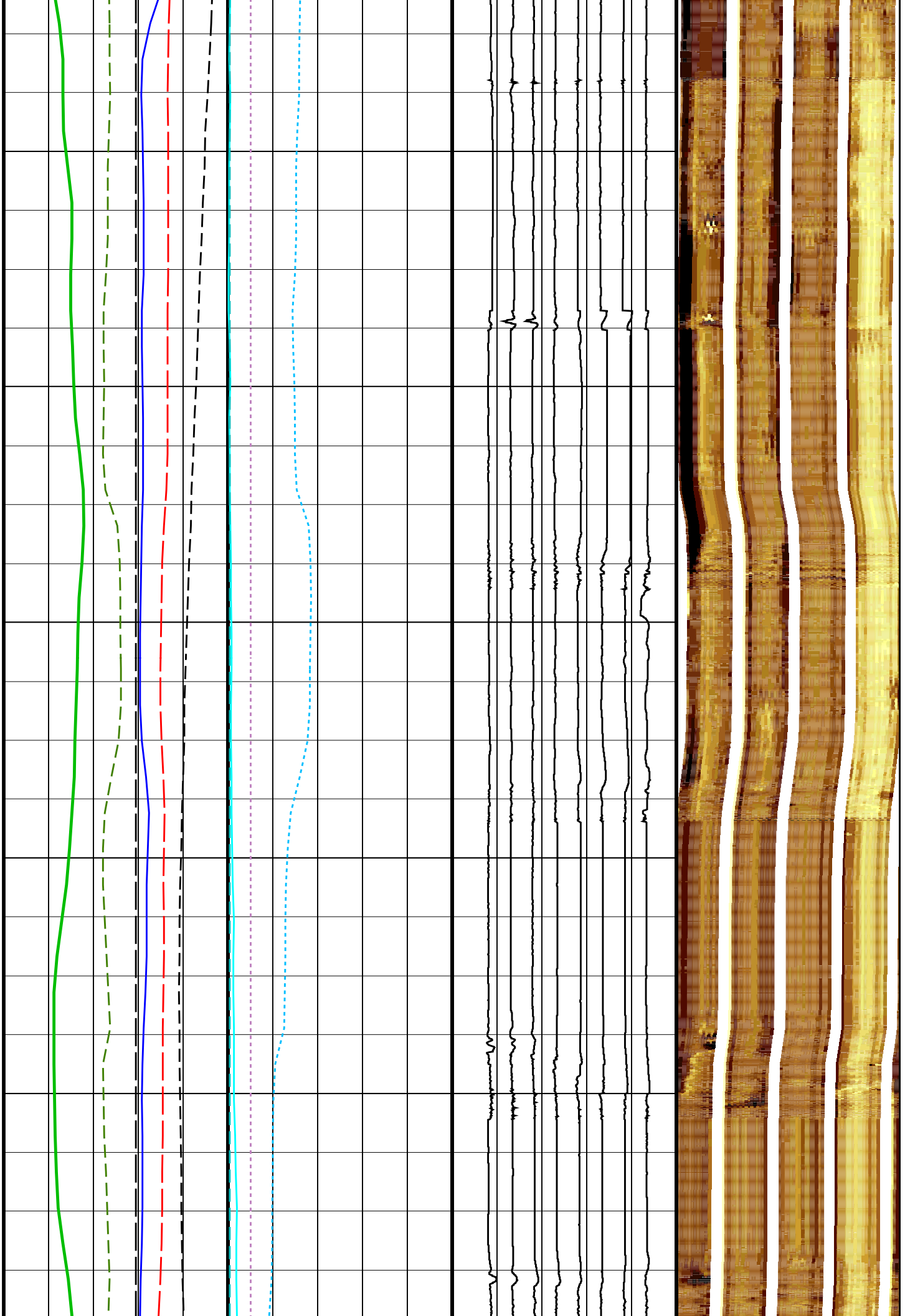
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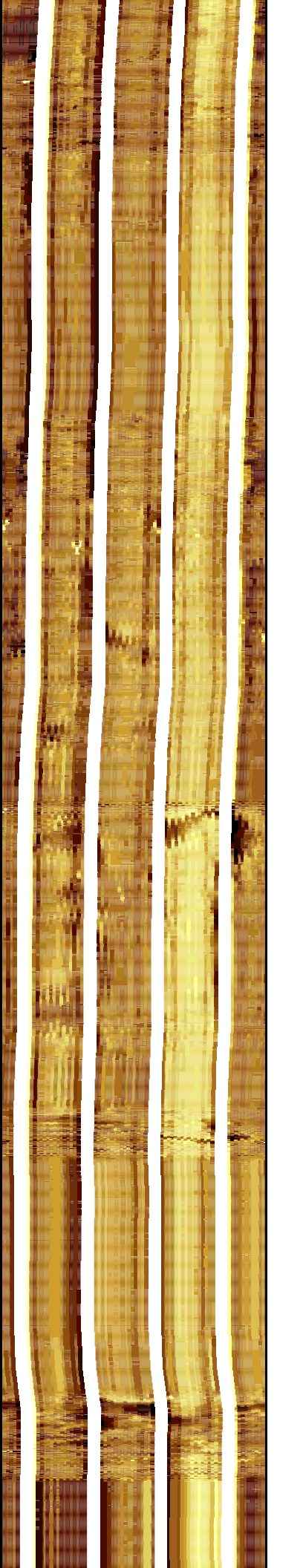
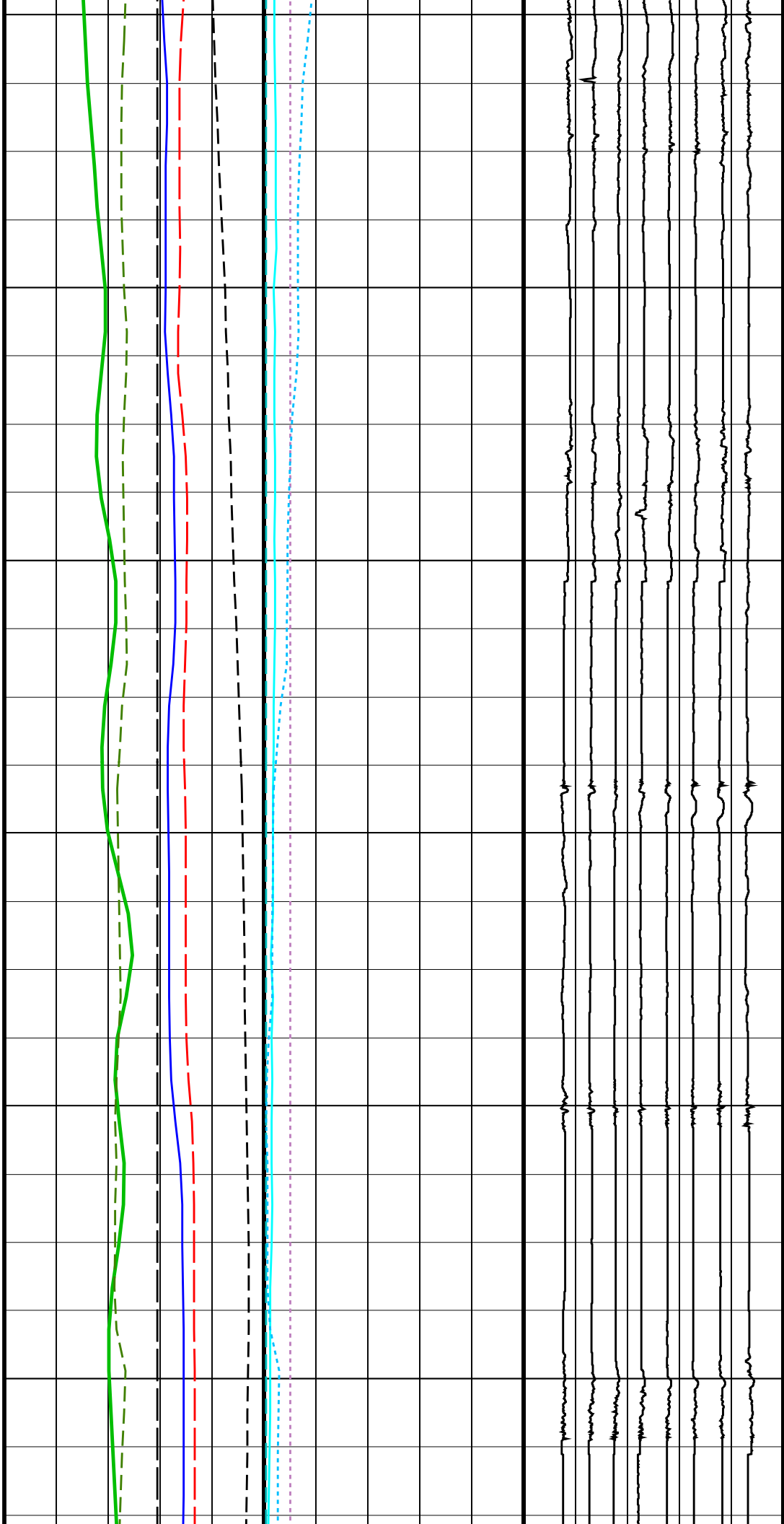
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151
SC



152 SC
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154 SC
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157 SC



158
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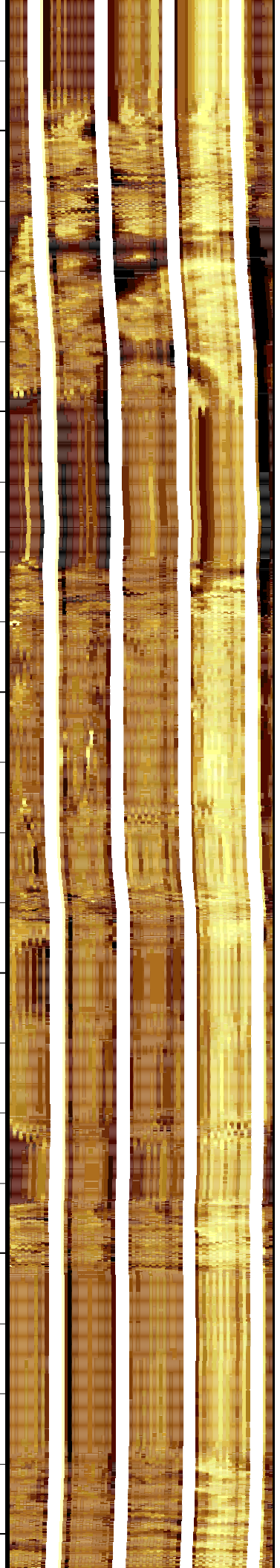
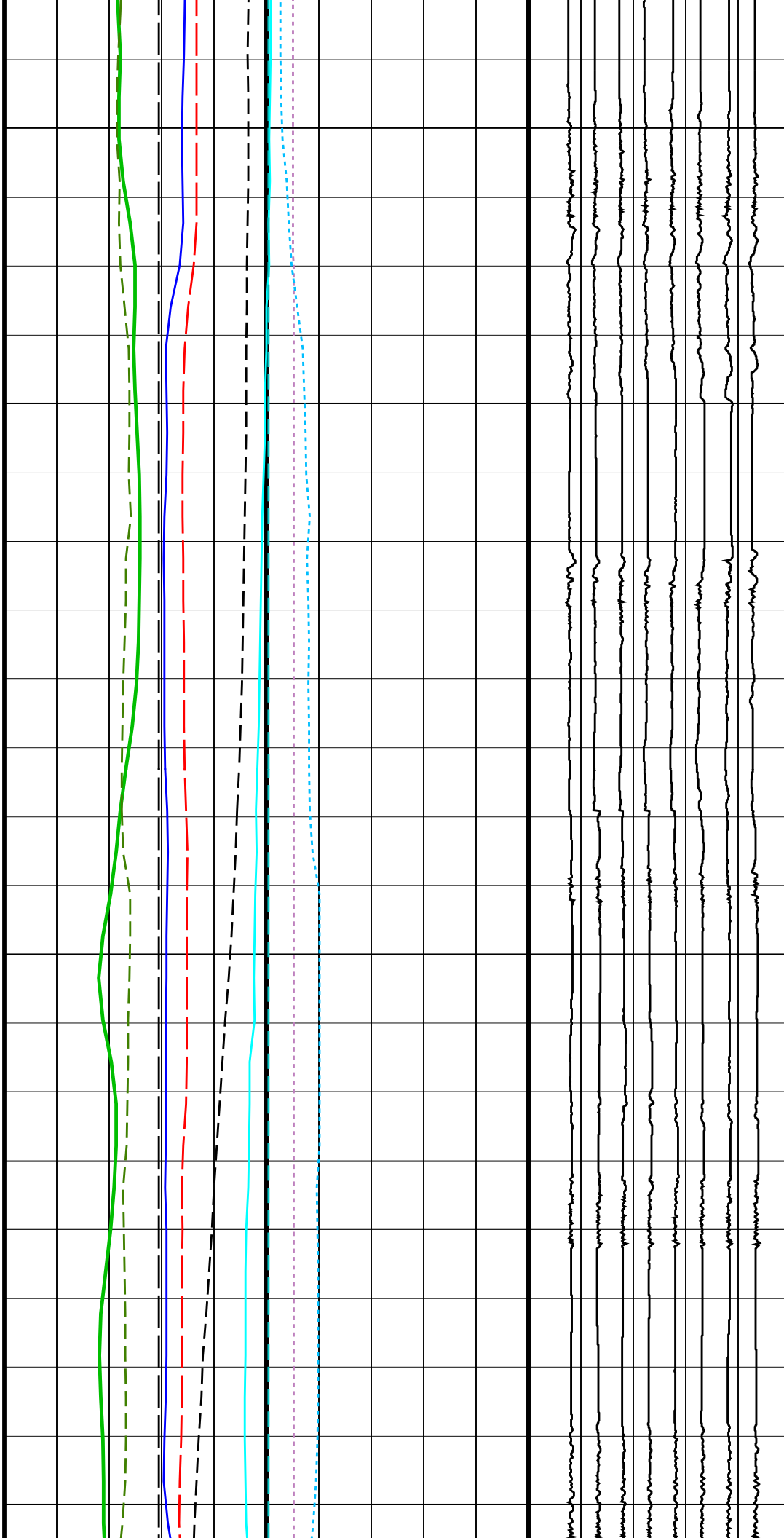
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162
SC

163
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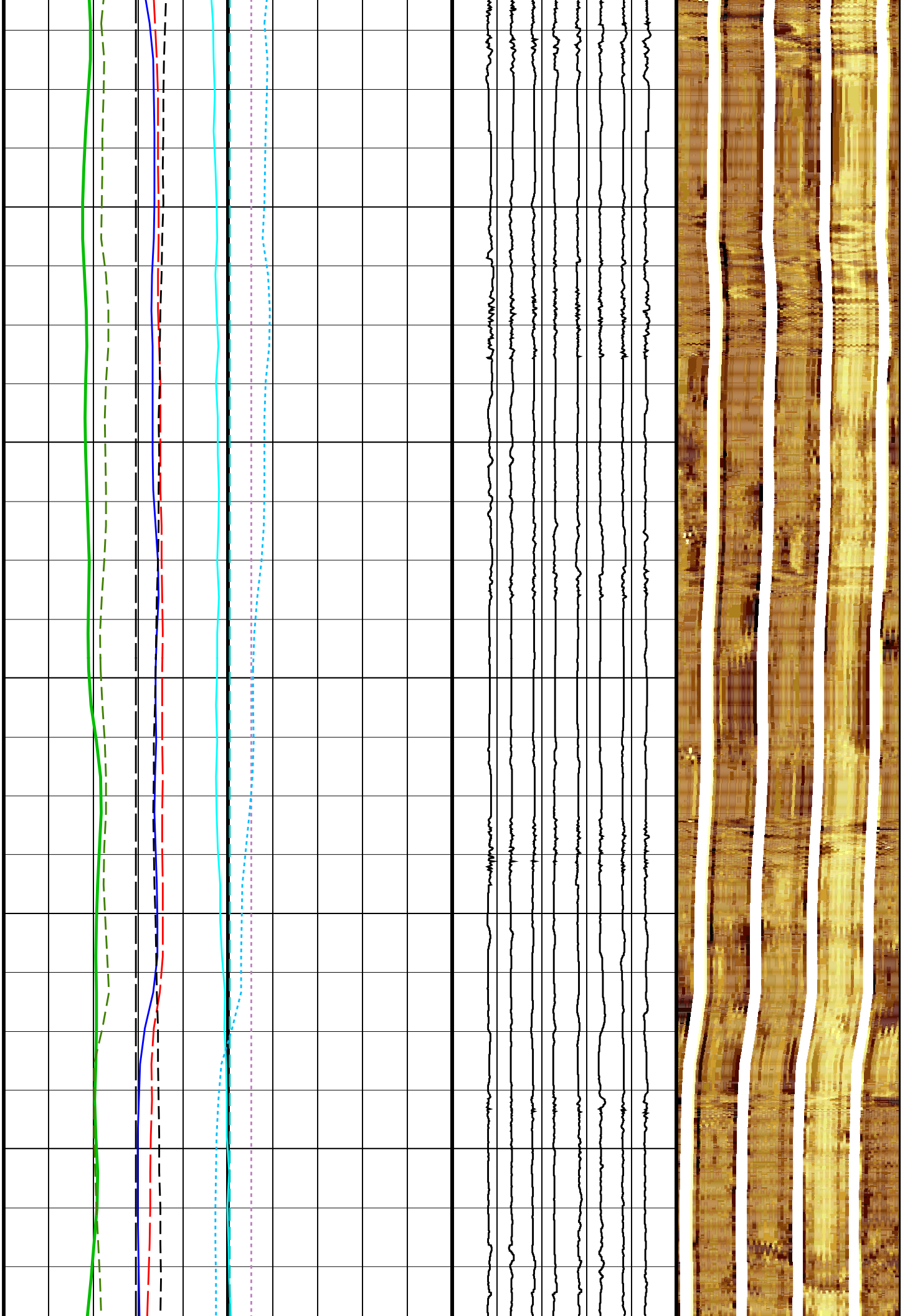
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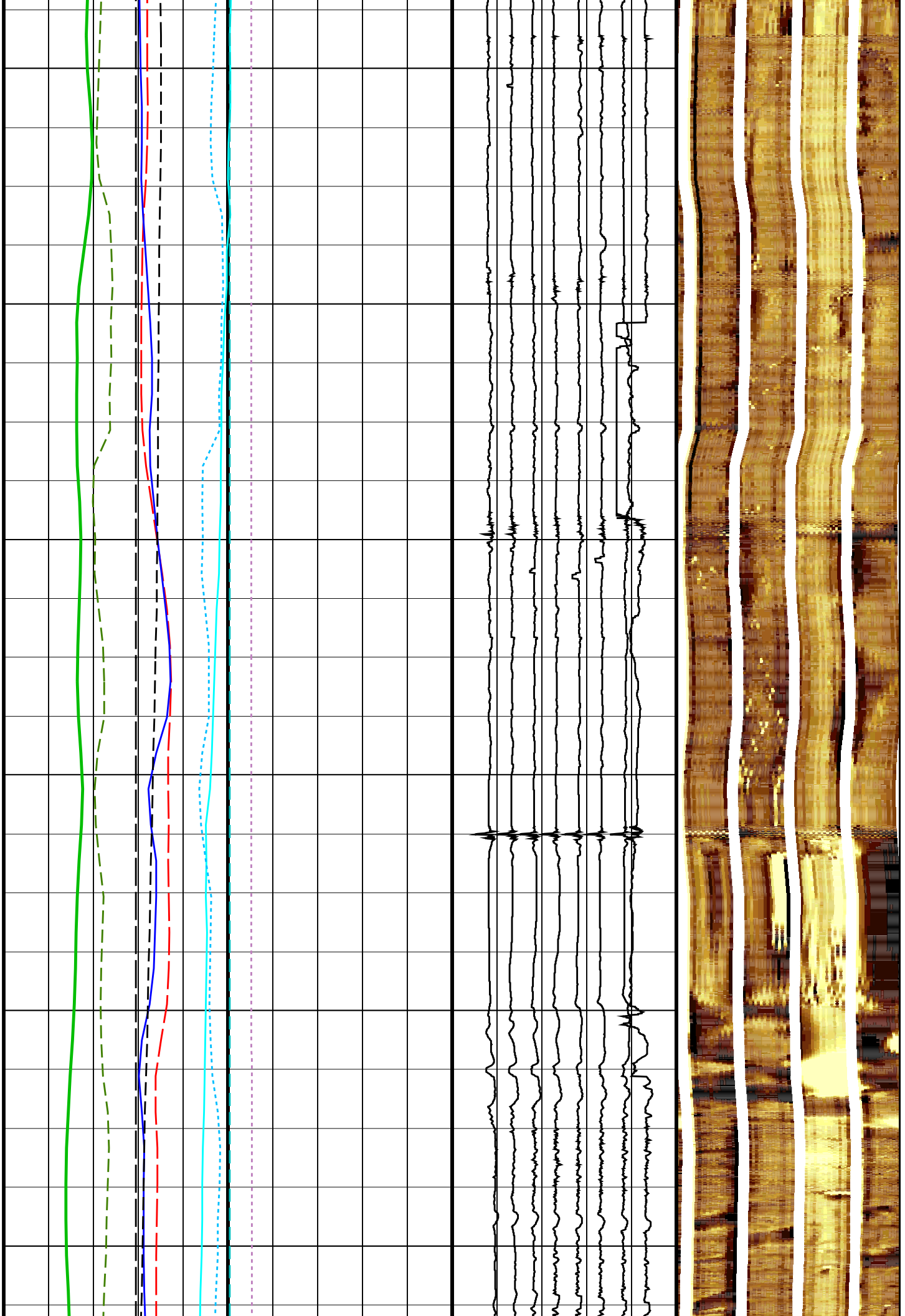
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SC

168
SC



169 SC
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172 SC
173 SC
174 SC



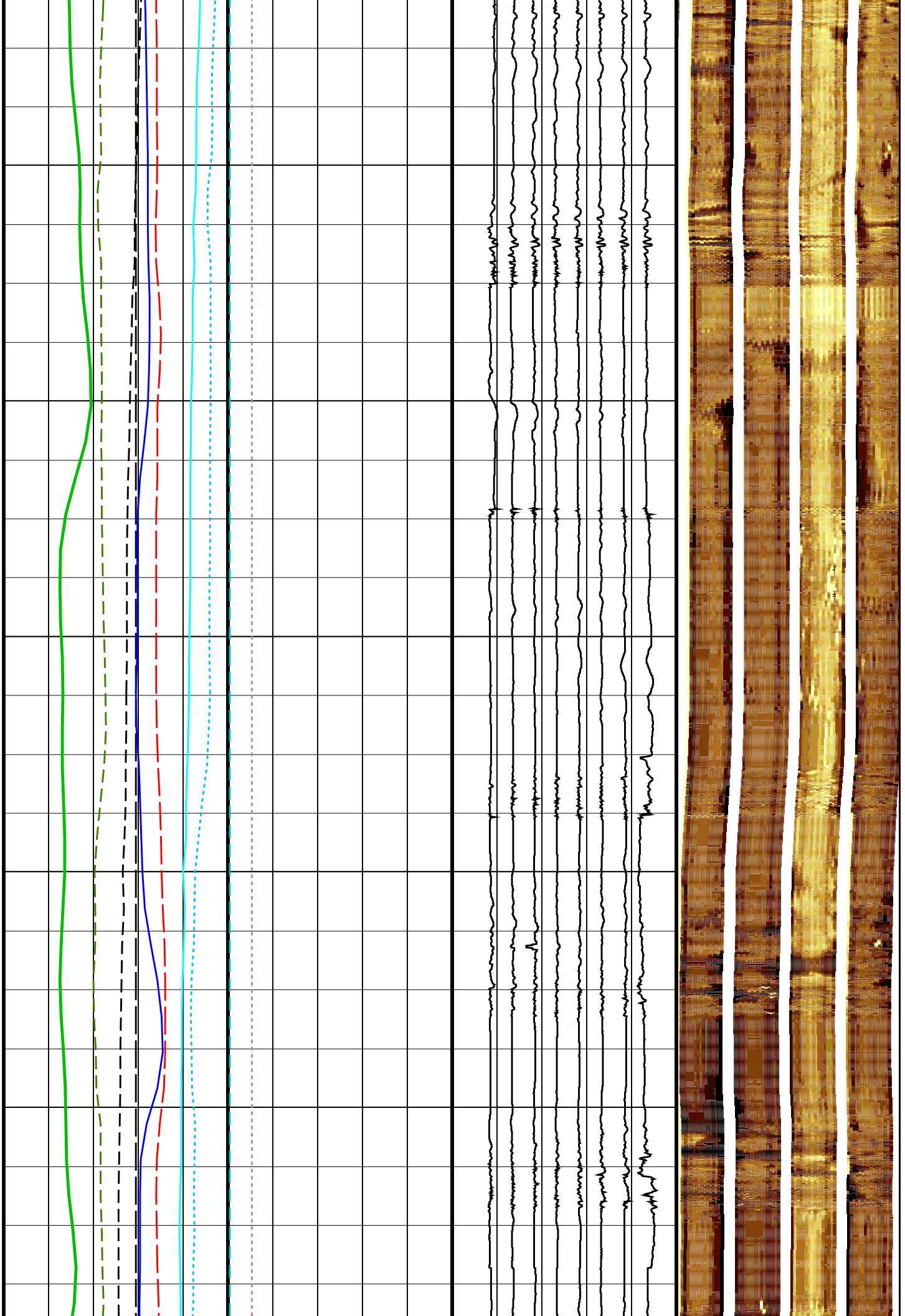
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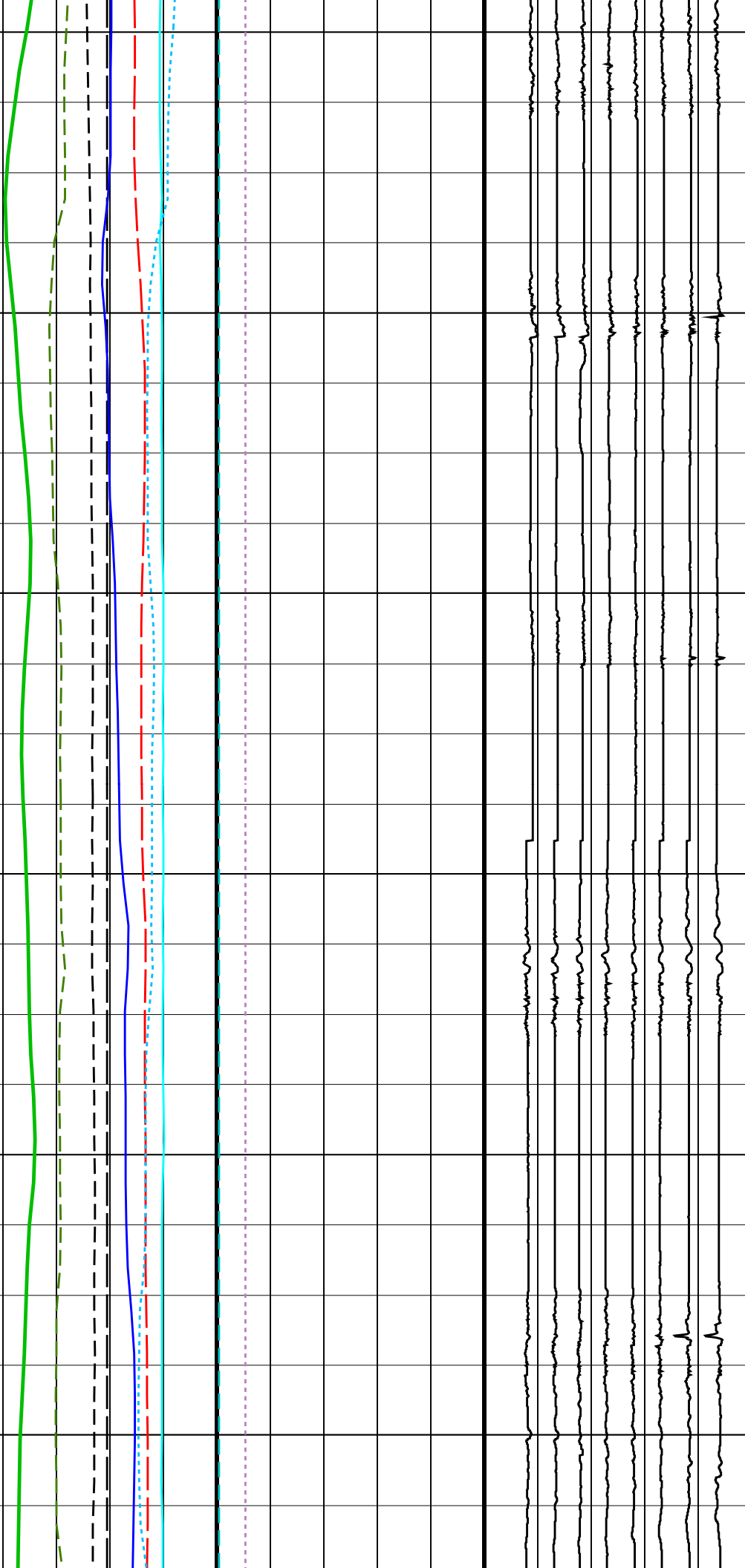
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SC

179
SC



180 SC
181 SC
182 SC
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184 SC
185 SC



186
SC

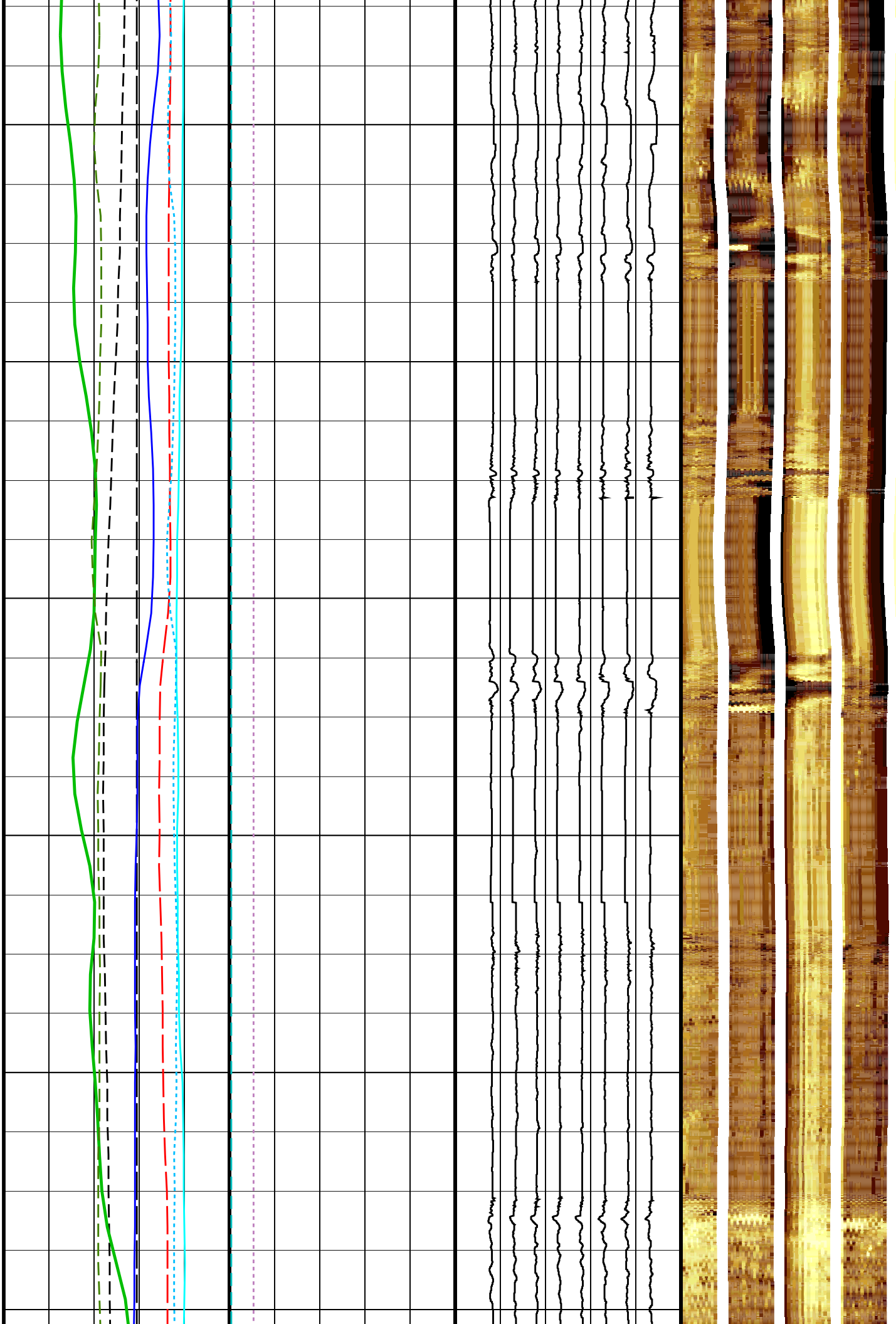
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190
SC

191
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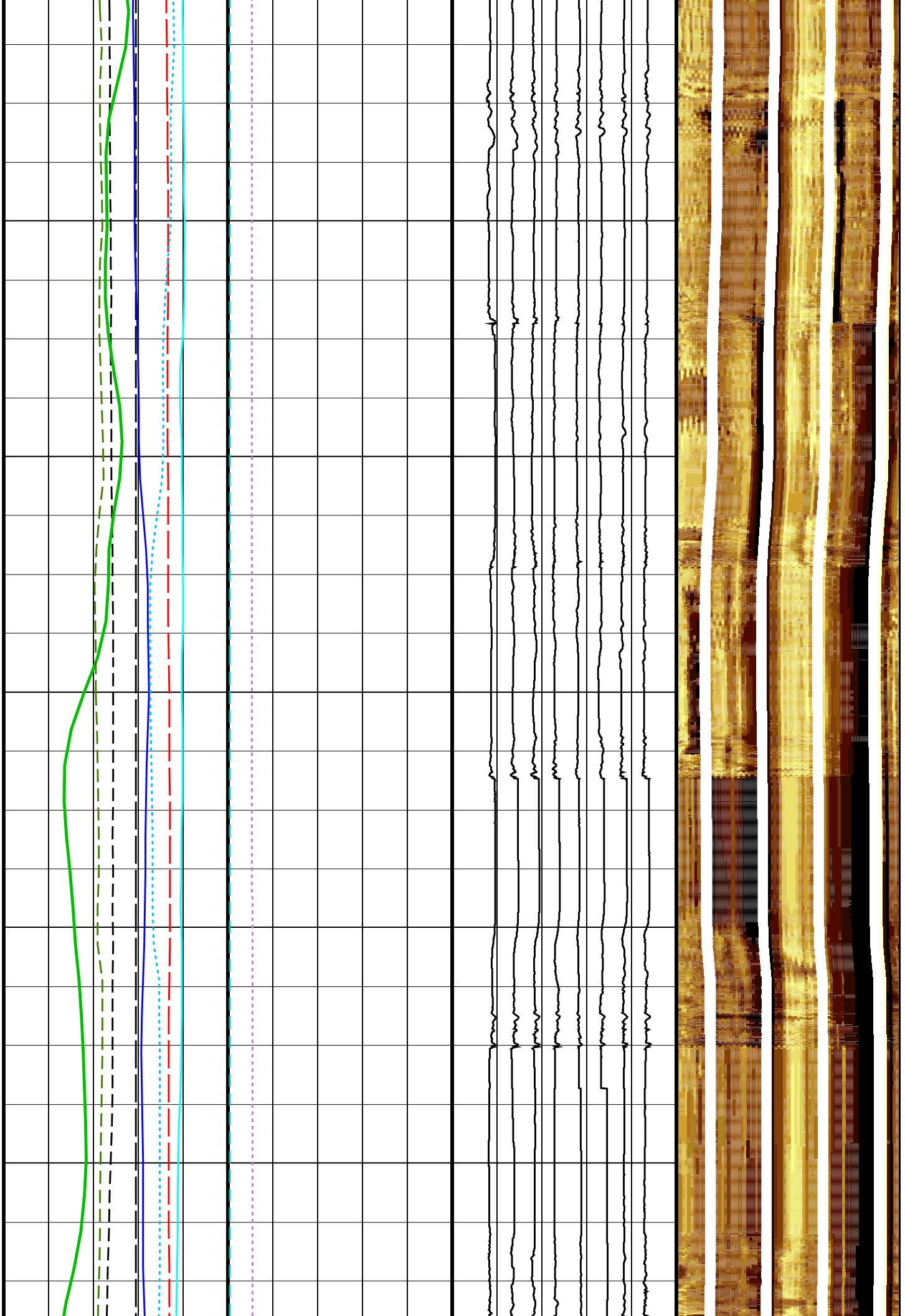
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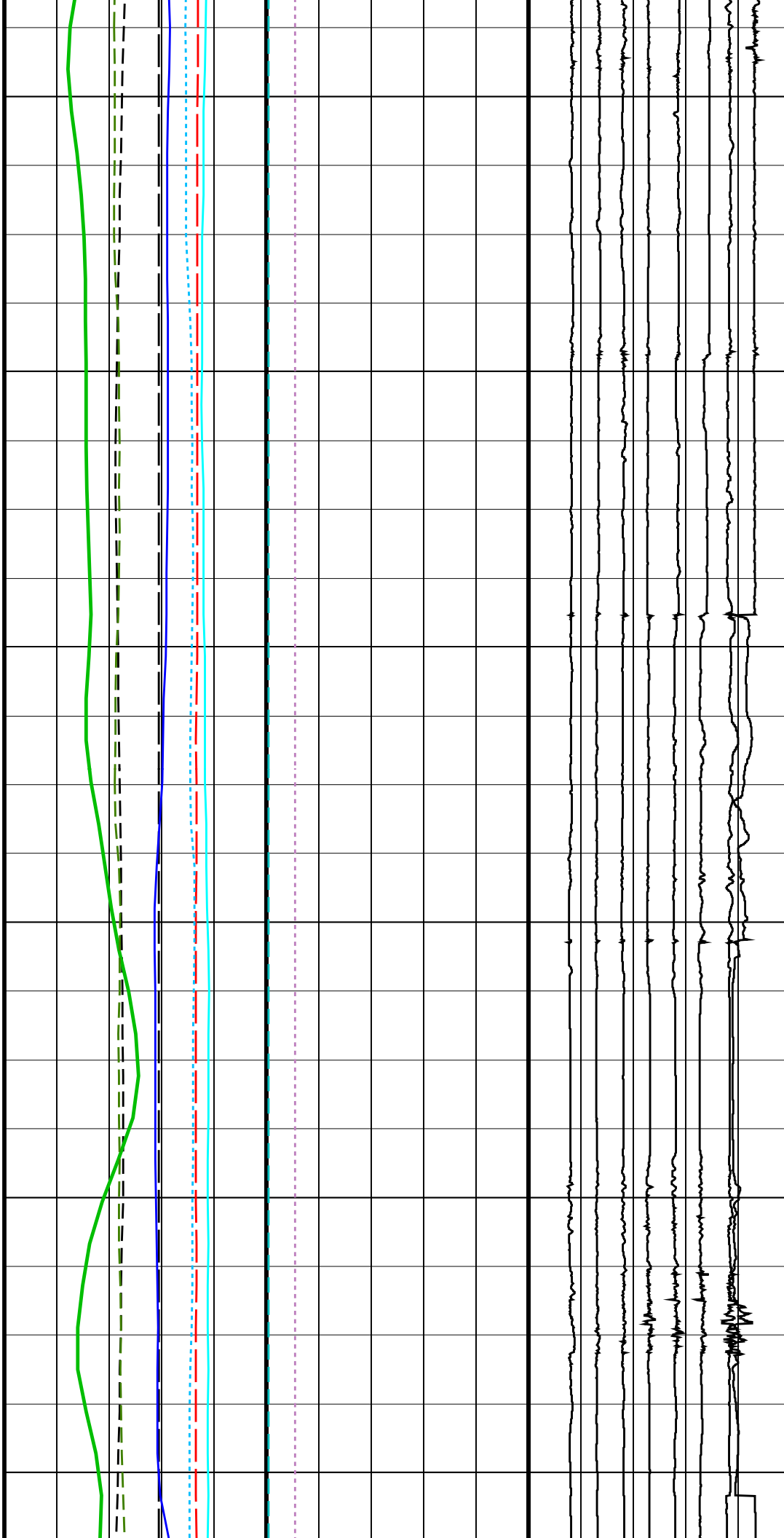
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SC

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SC



197 SC
198 SC
199 SC
200 SC
201 SC
202 SC



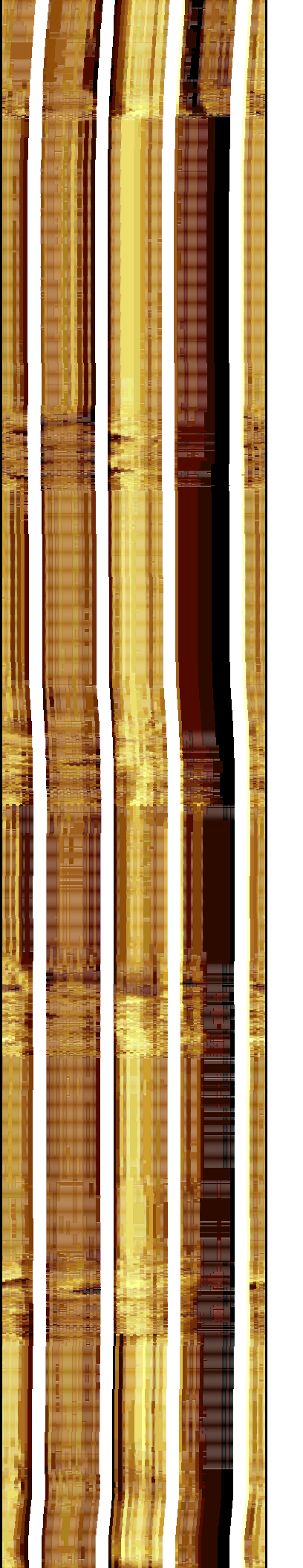
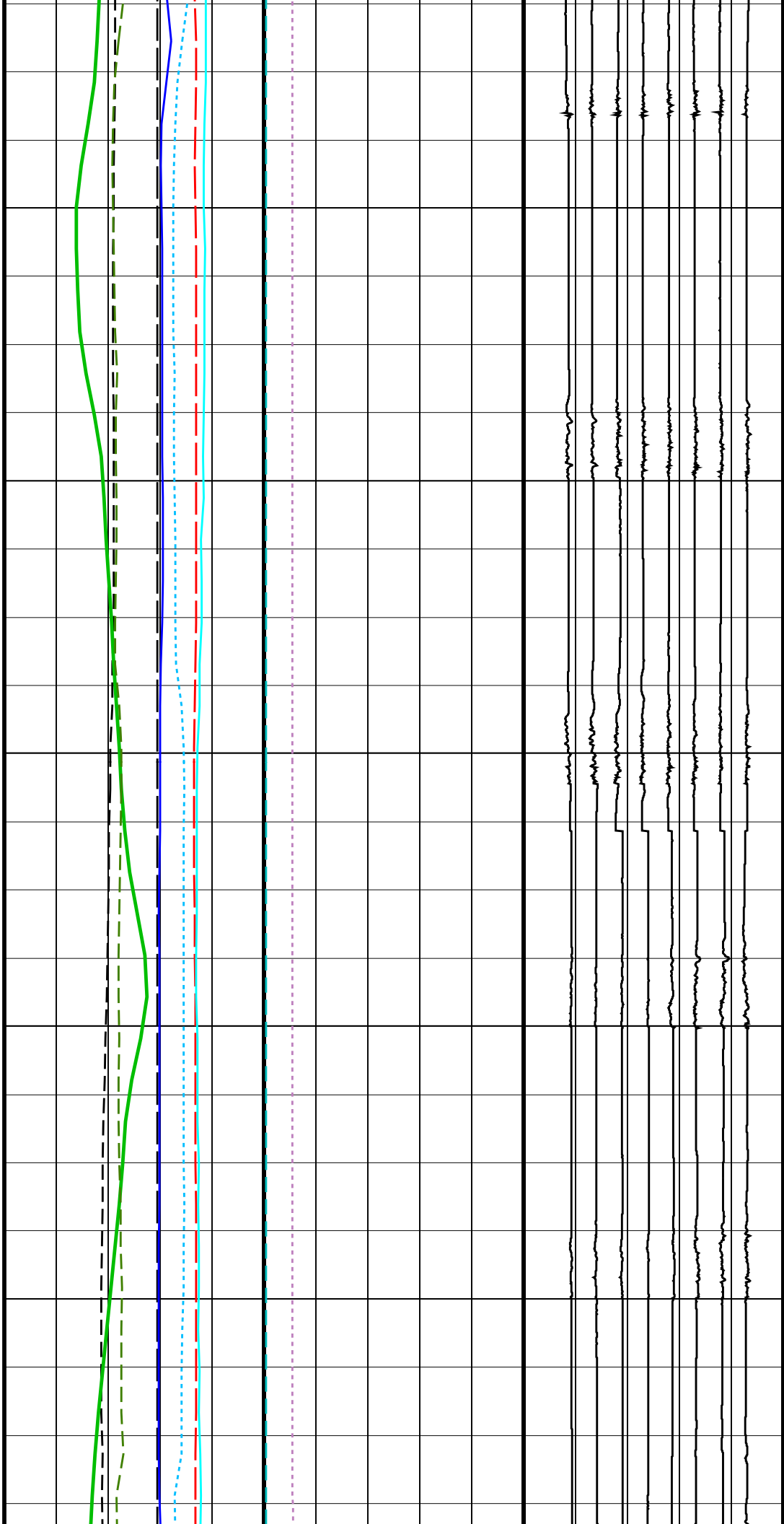
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208
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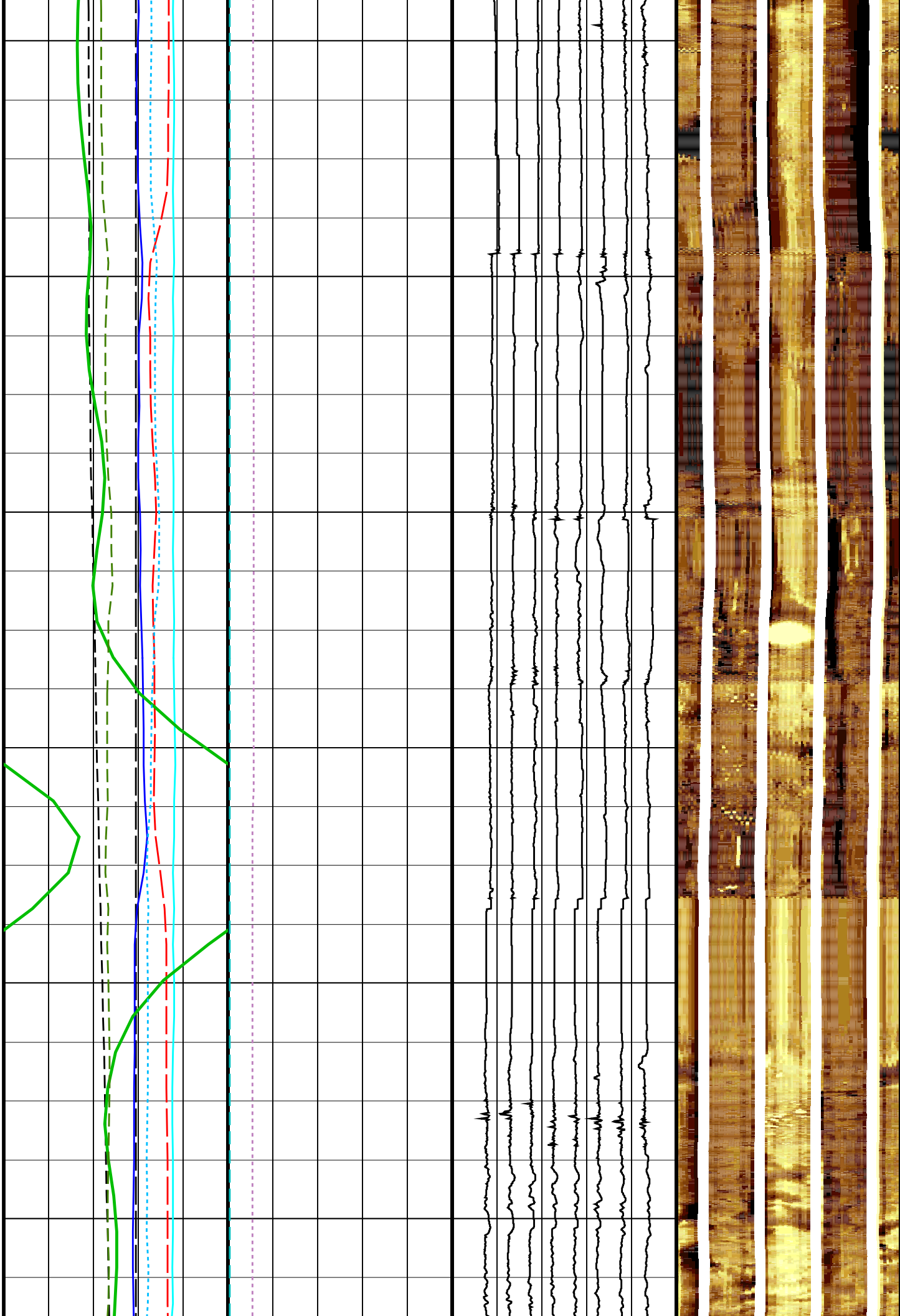
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214
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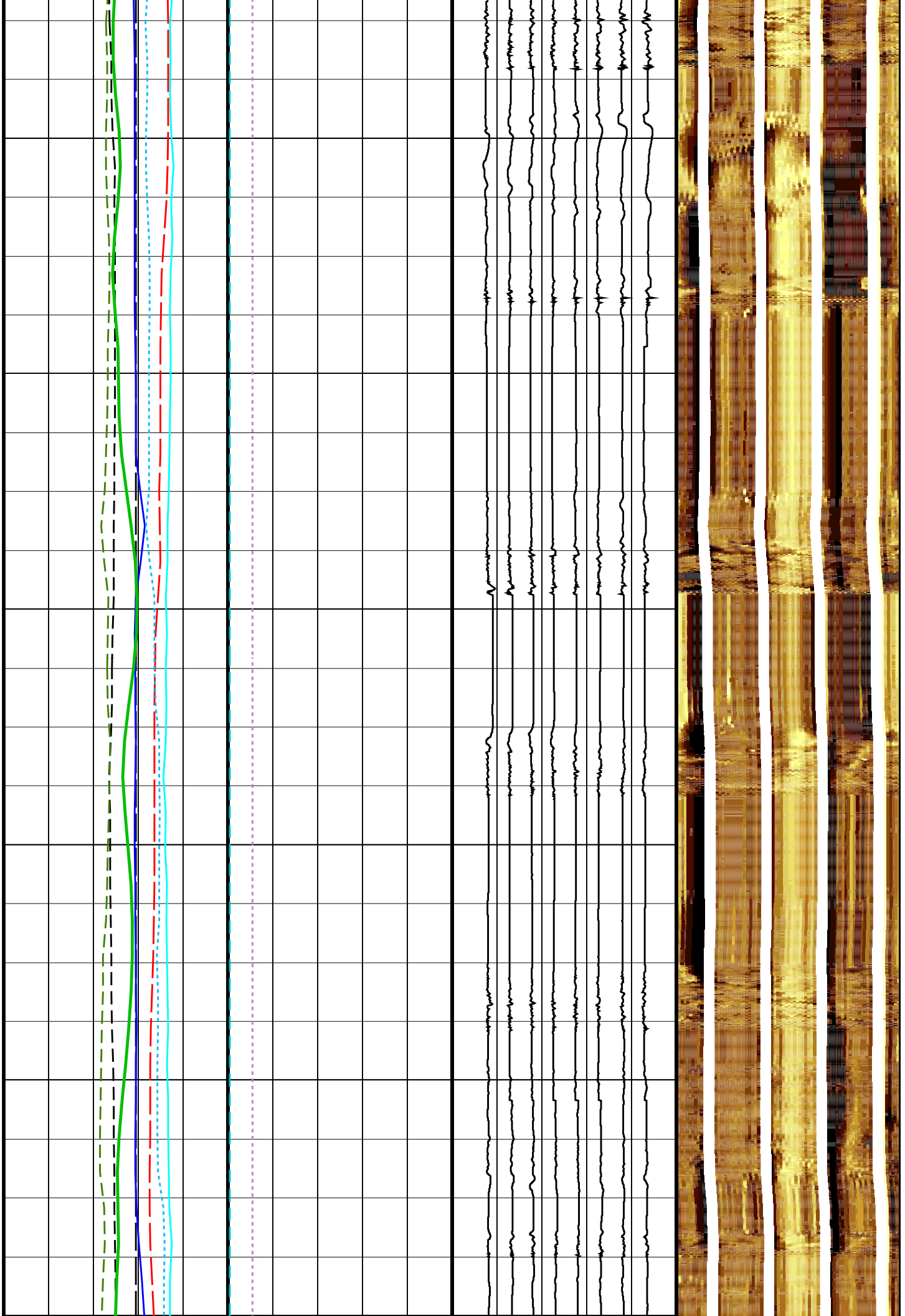
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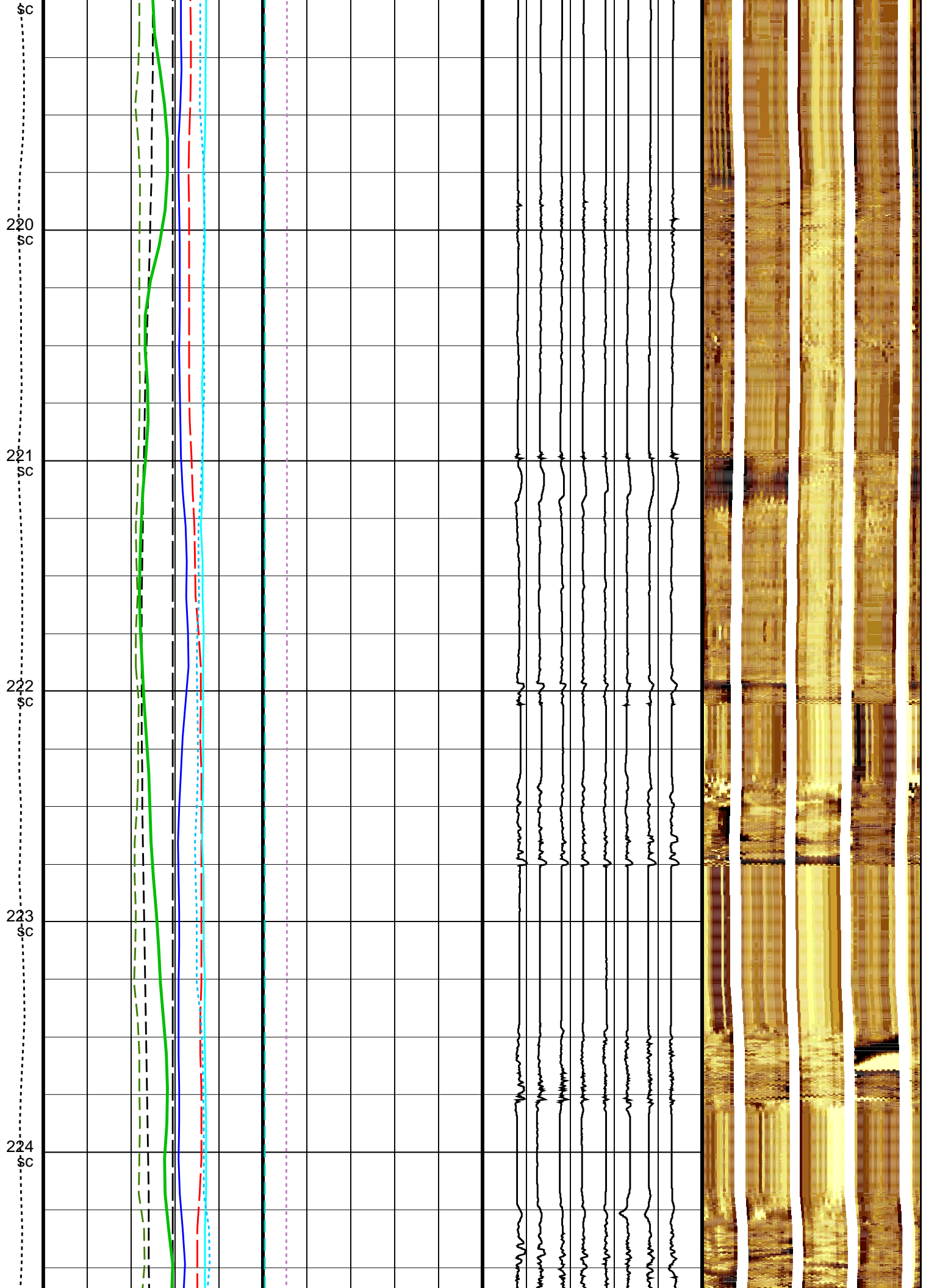
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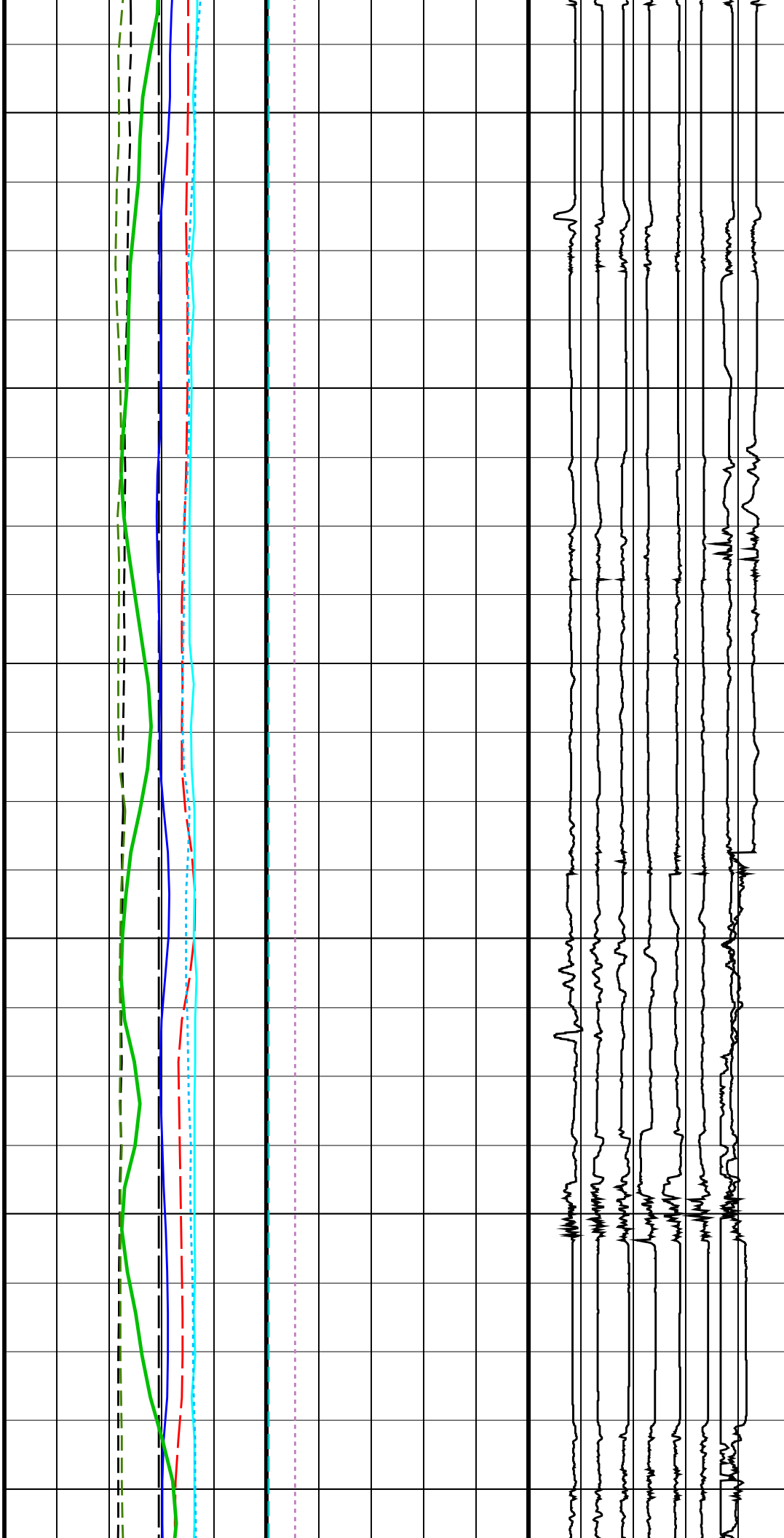
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219





225 SC
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228 SC
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230 SC



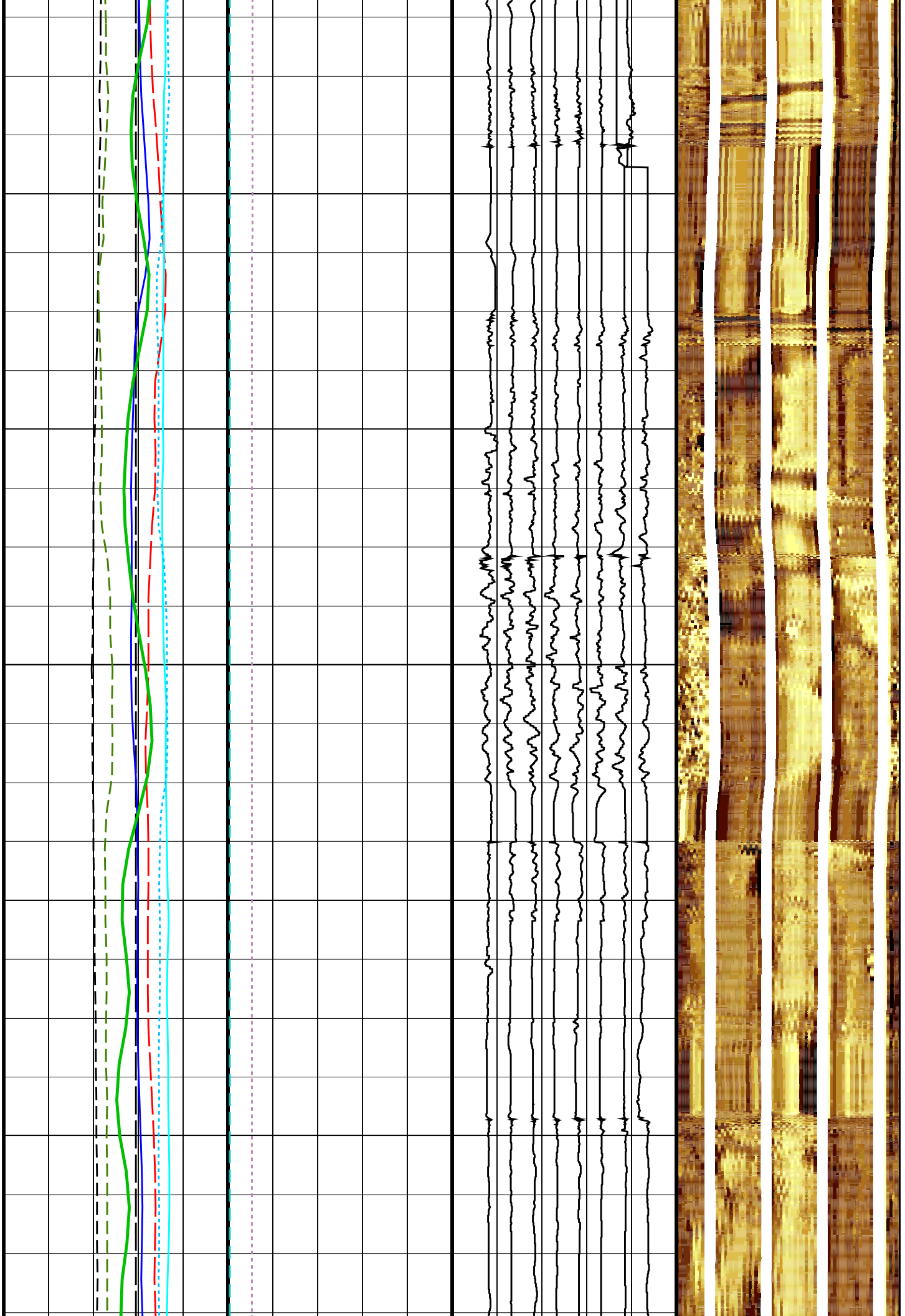
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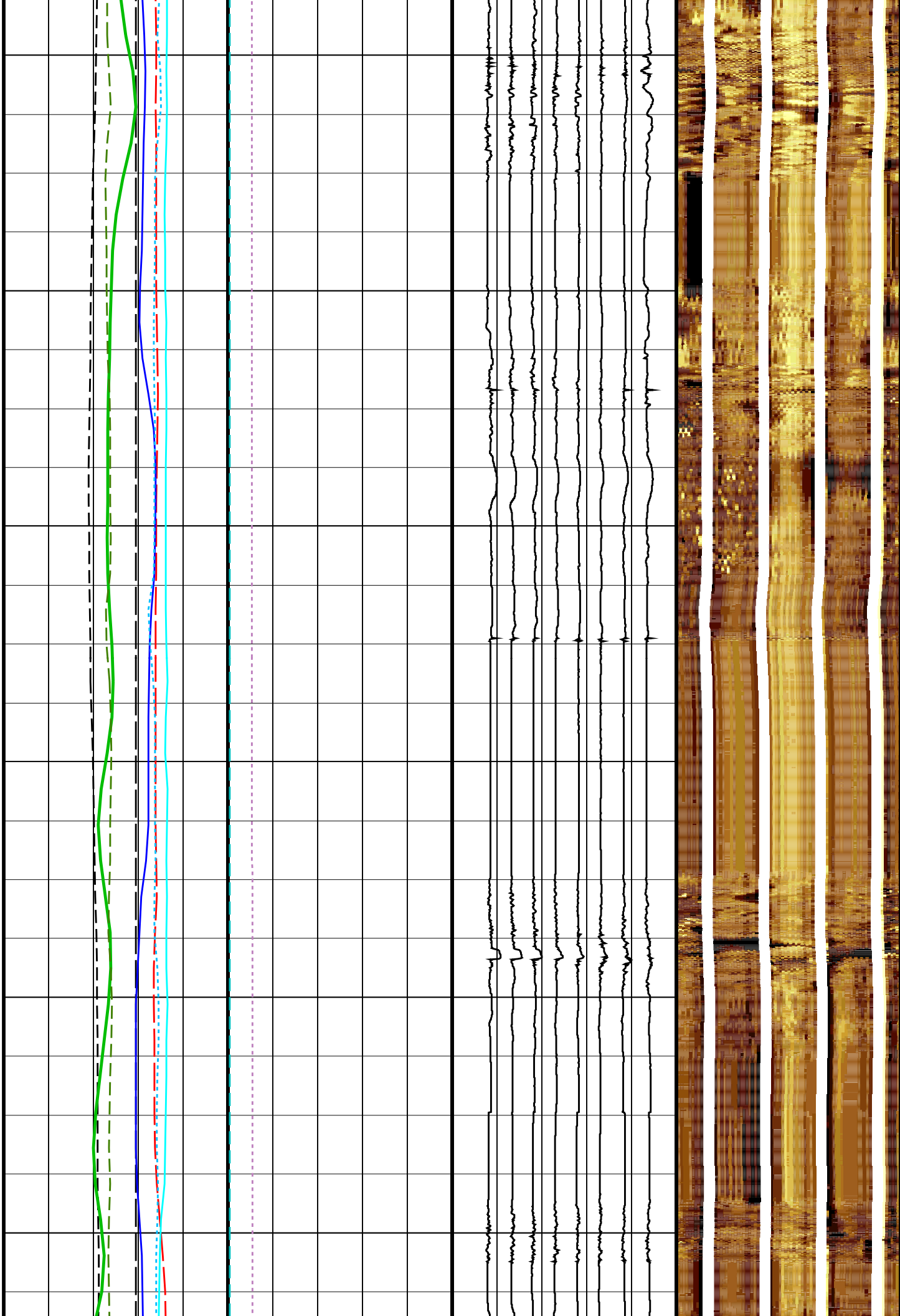
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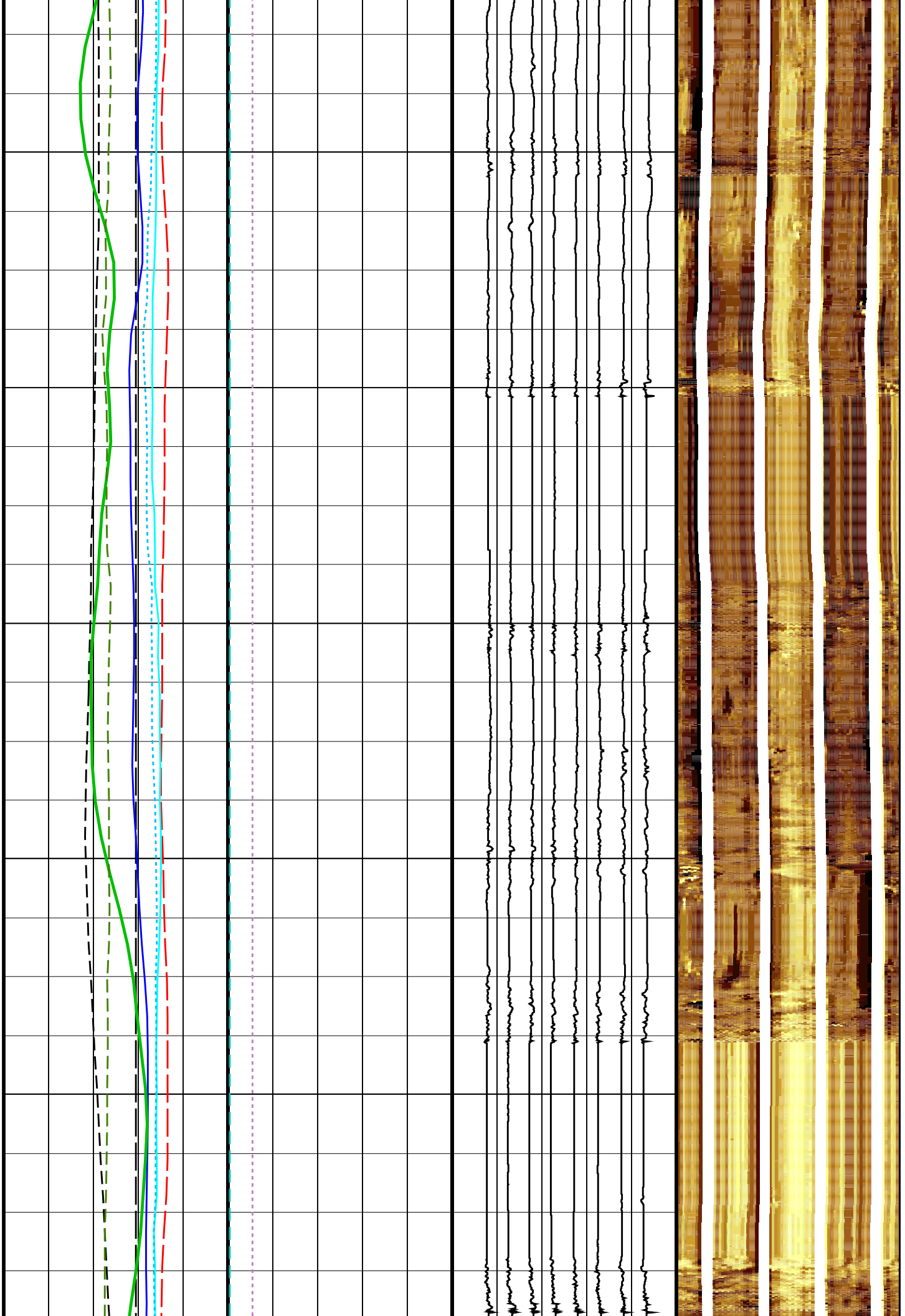
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SC



247
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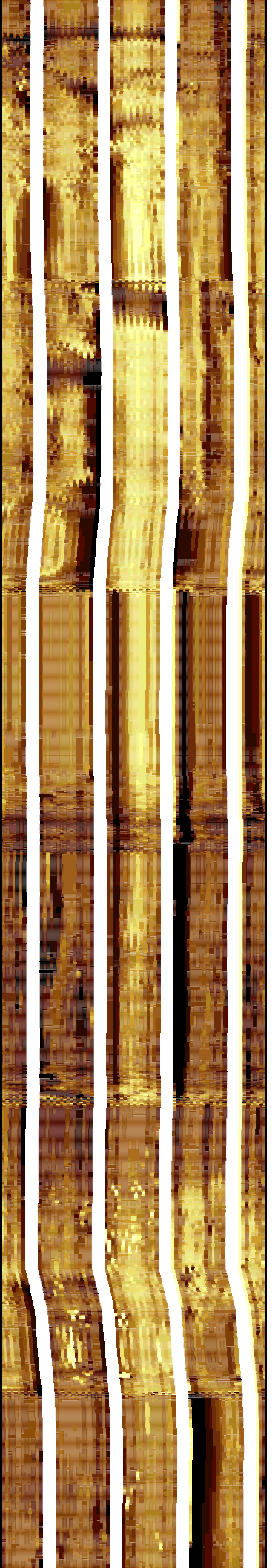
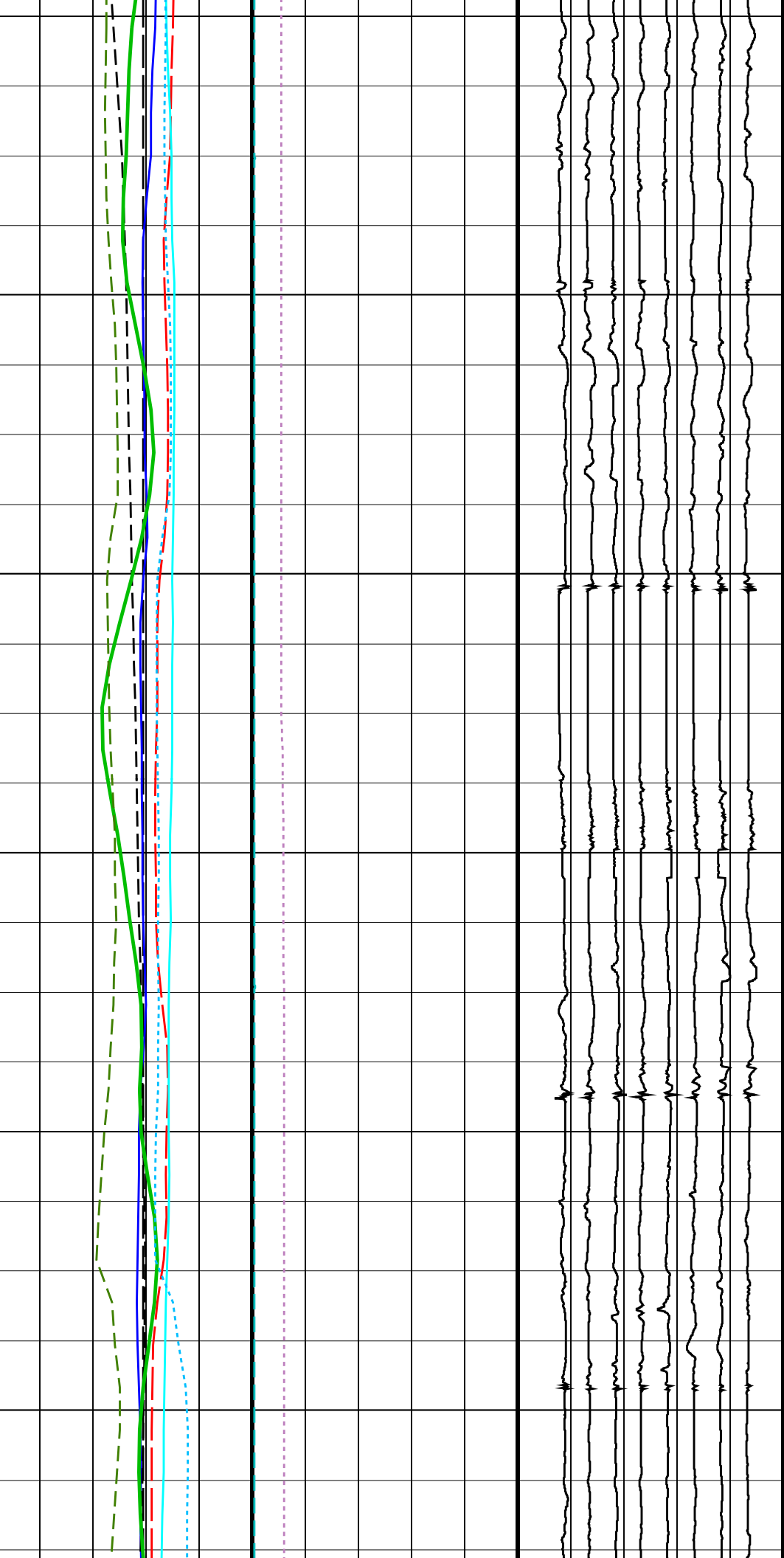
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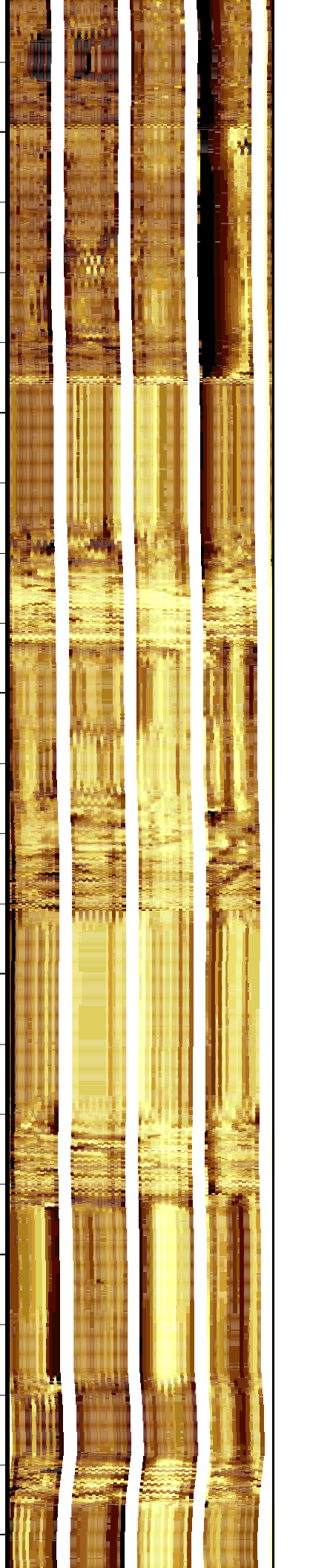
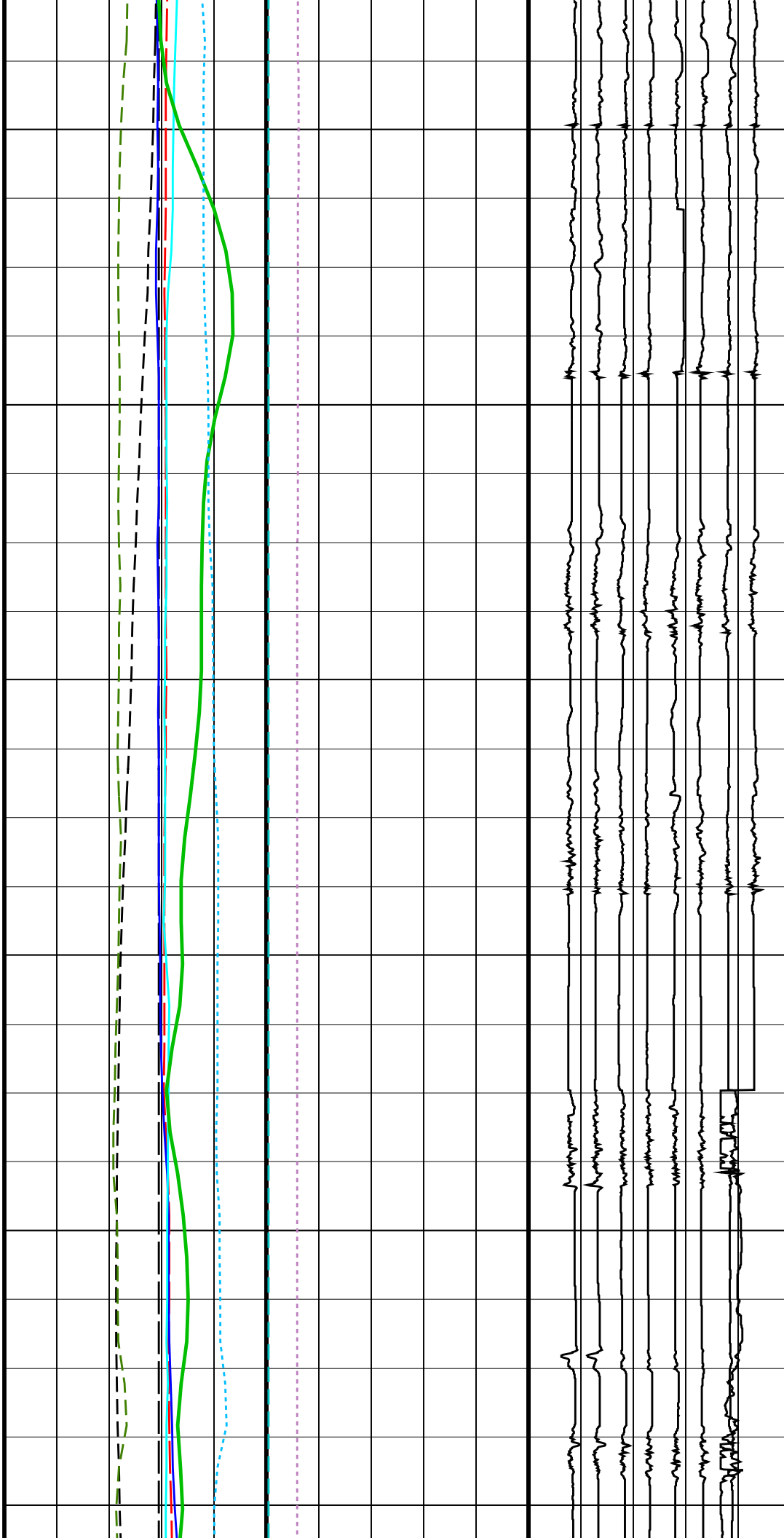
250
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251
SC

252
SC



253 SC
254 SC
255 SC
256 SC
257 SC
258 SC



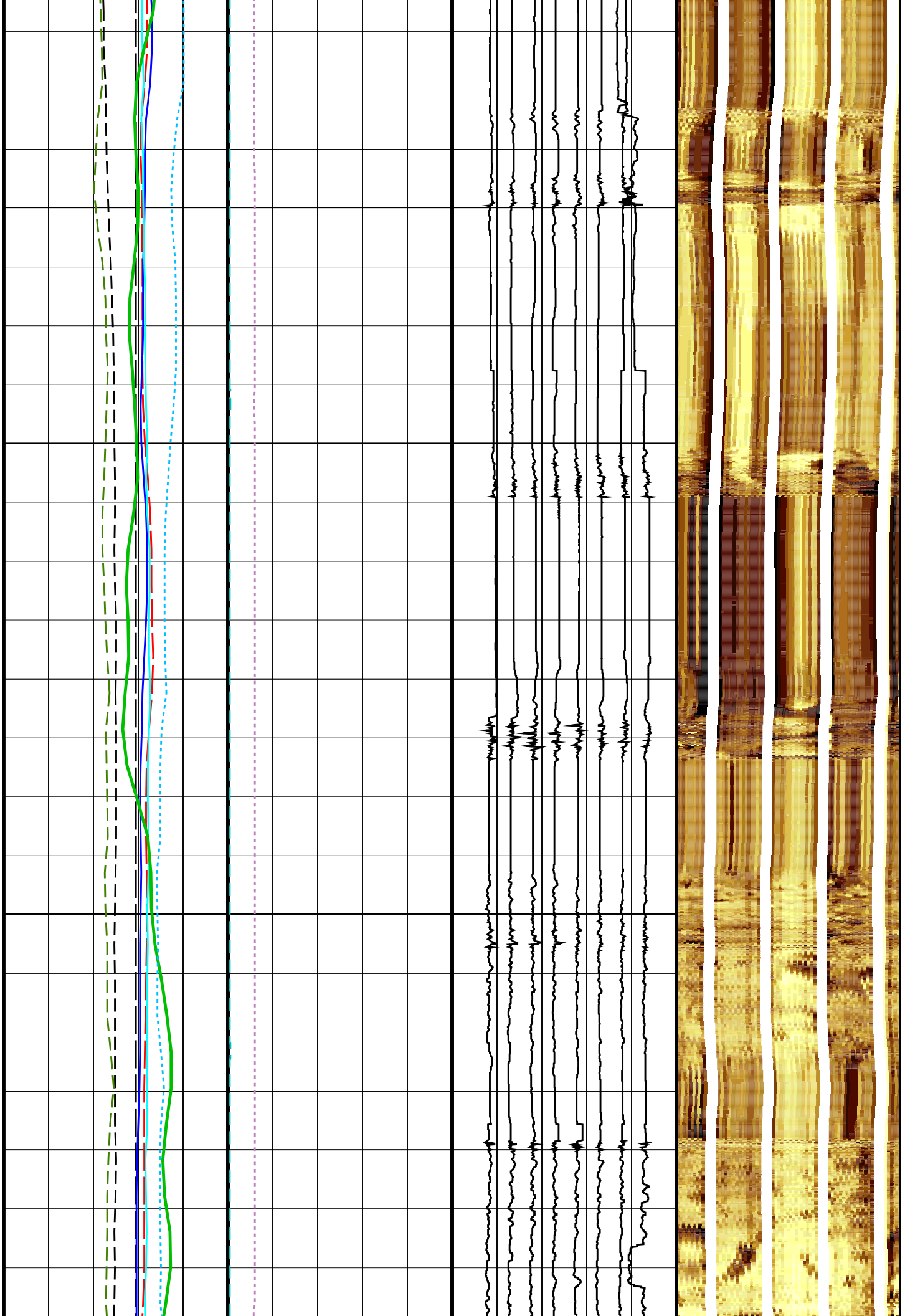
259
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261
SC

262
SC

263
SC



264
SC

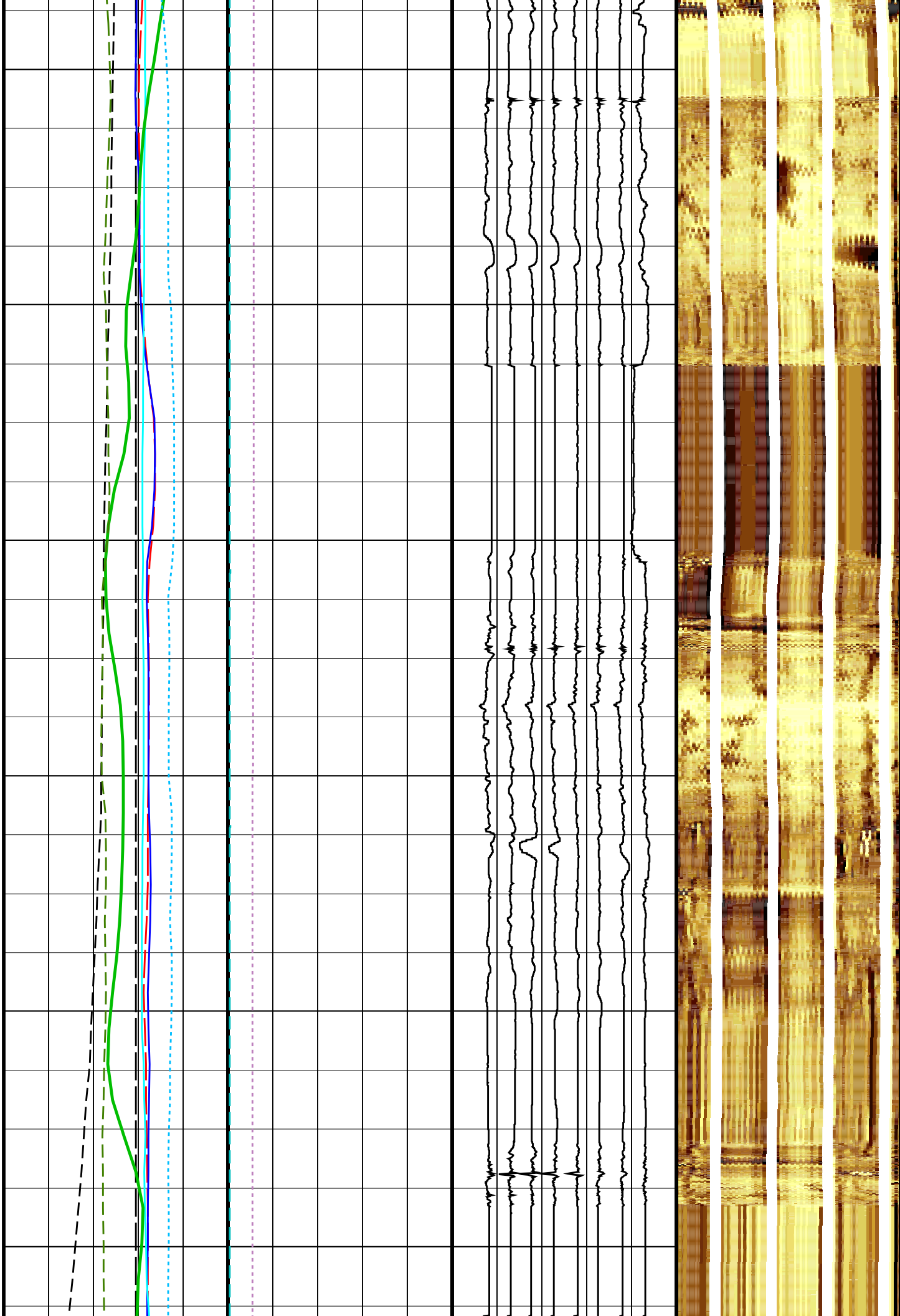
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SC

268
SC

269
SC



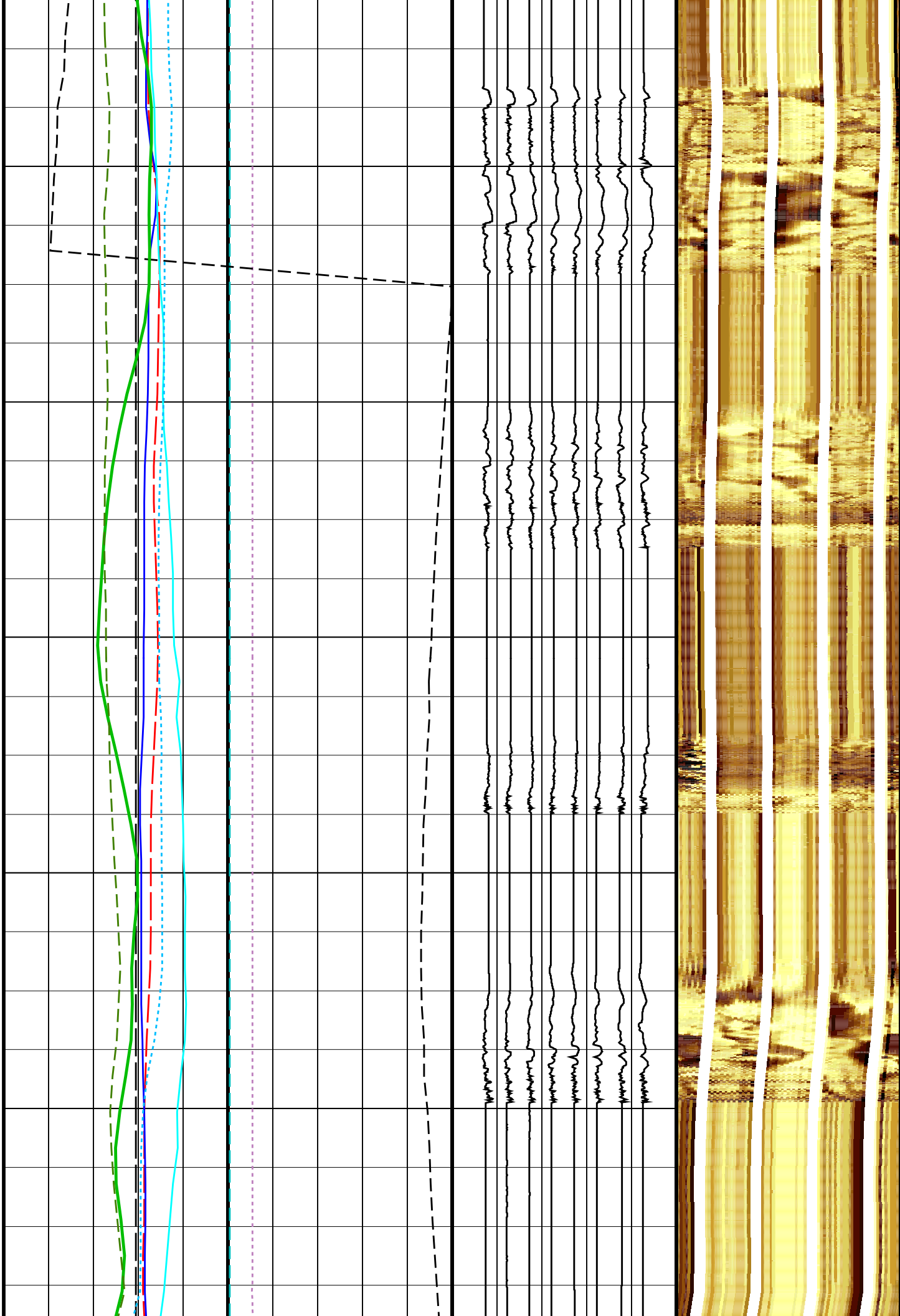
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271
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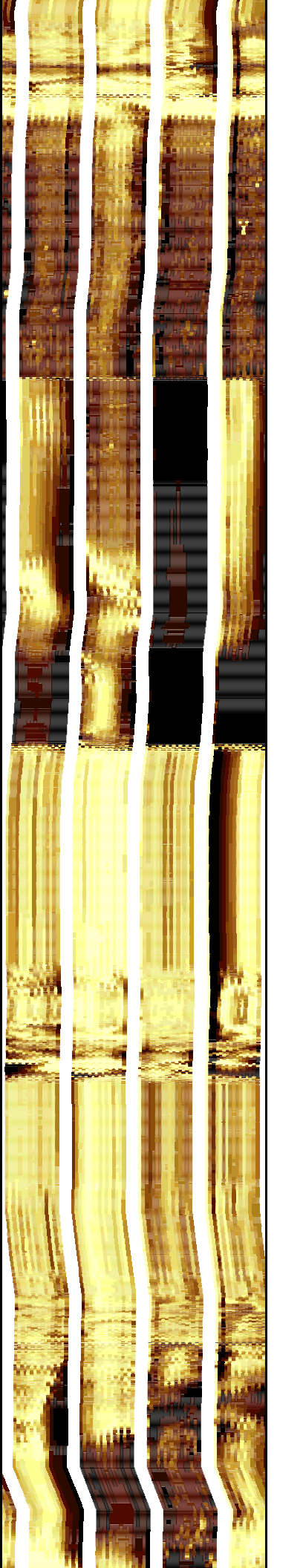
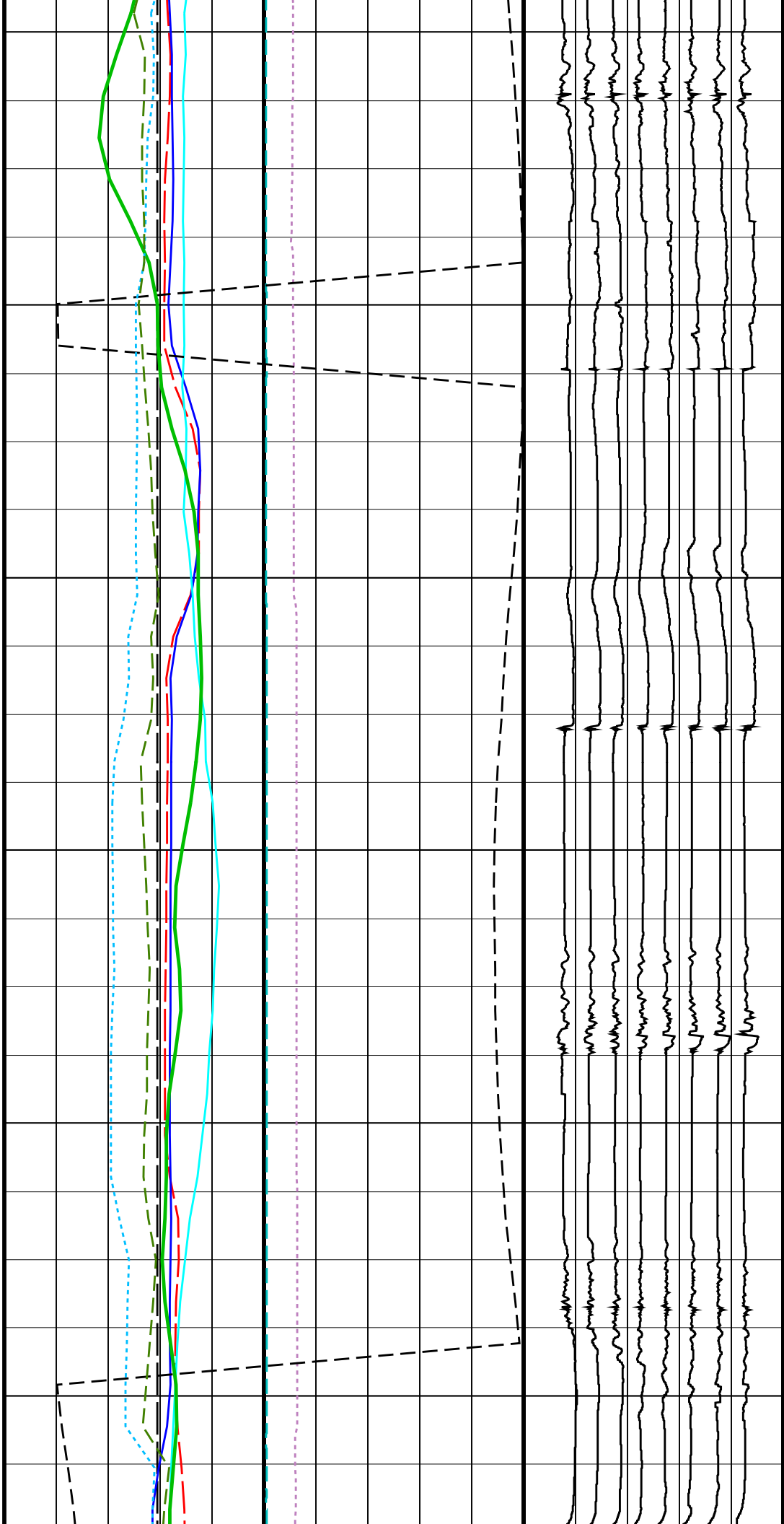
272
SC

273
SC

274
SC



275 sc
276 sc
277 sc
278 sc
279 sc
280 sc



281
SC

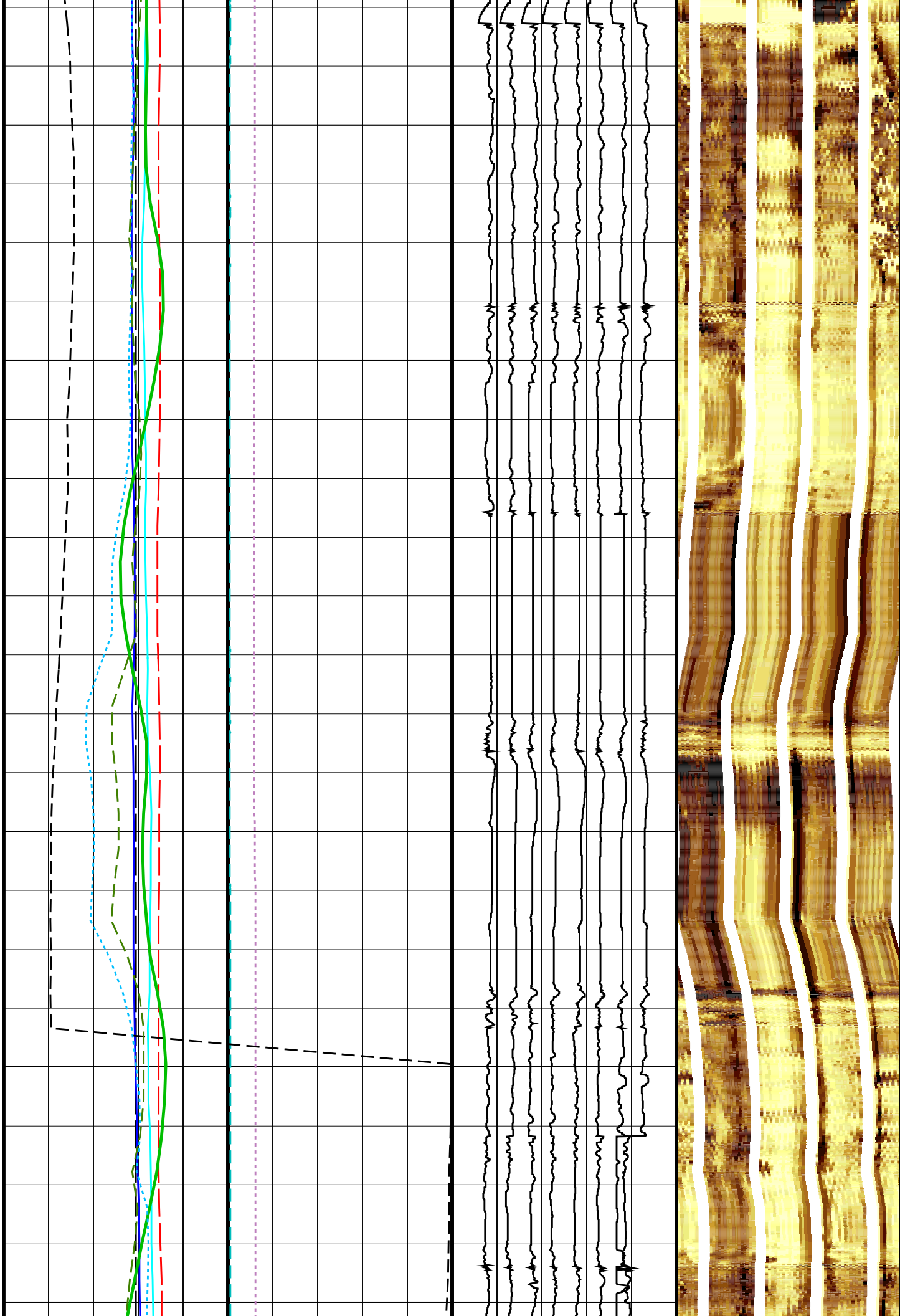
282
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283
SC

284
SC

285
SC

286
SC



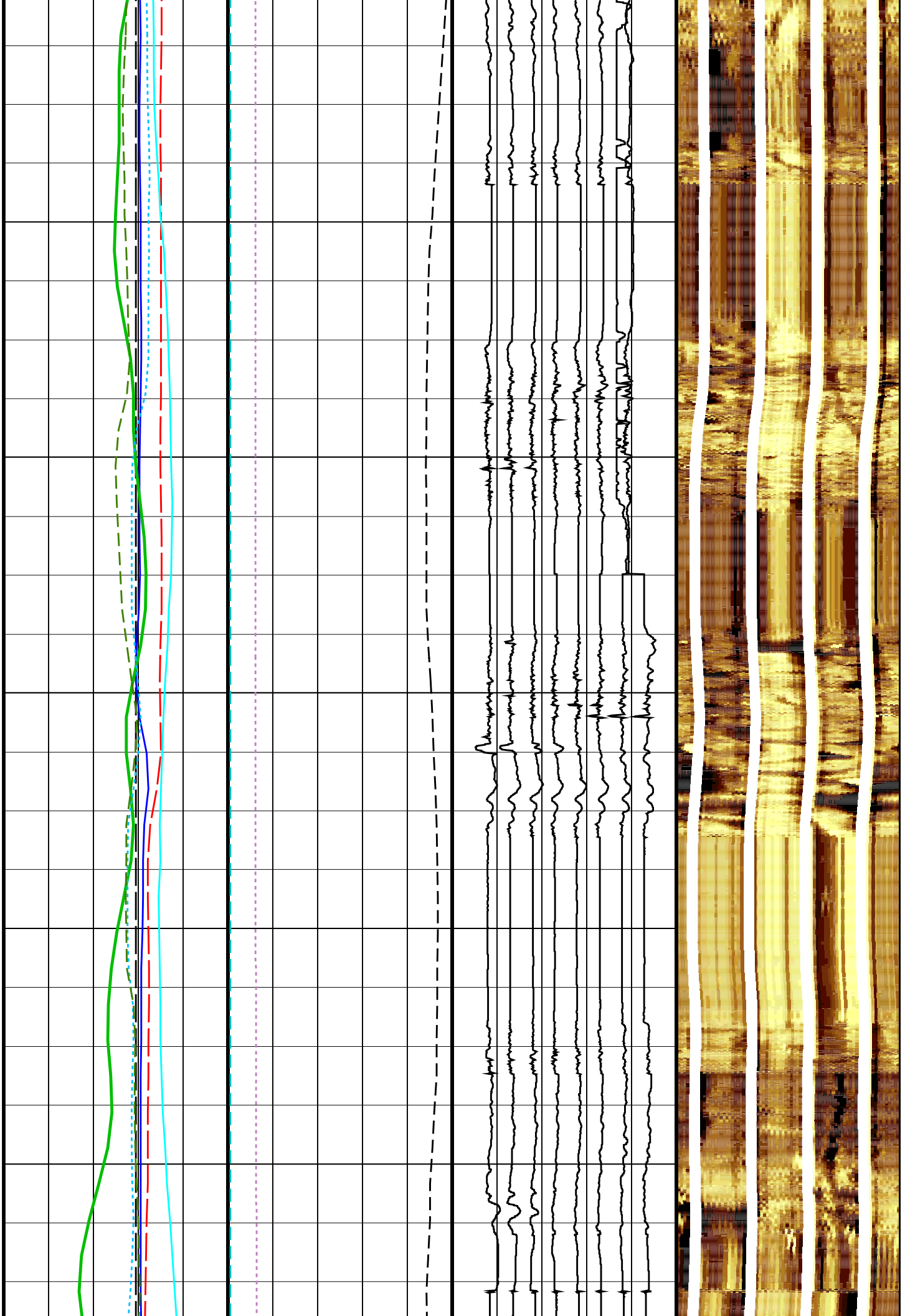
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SC

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SC

291
SC



292
SC

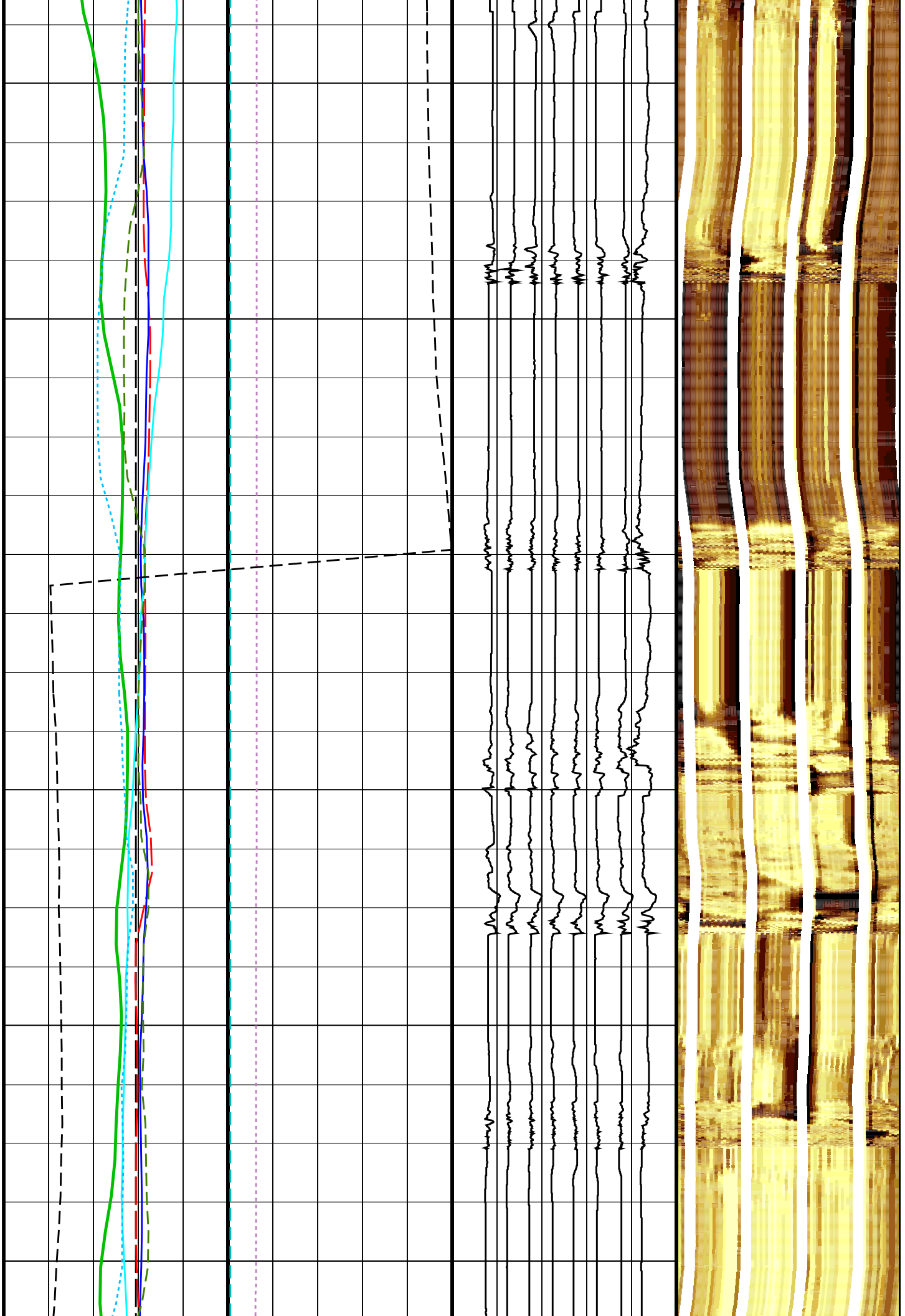
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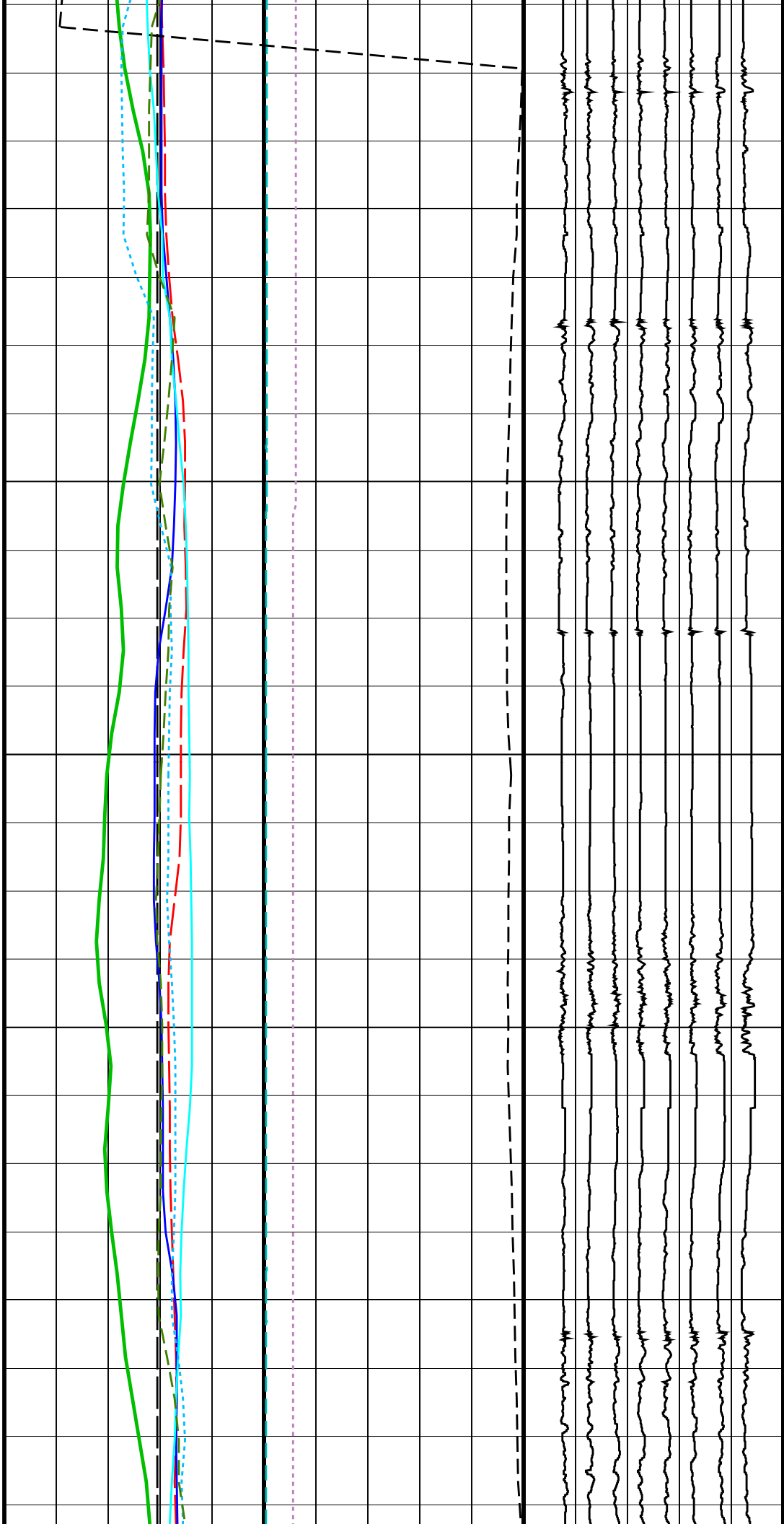
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302
SC



303
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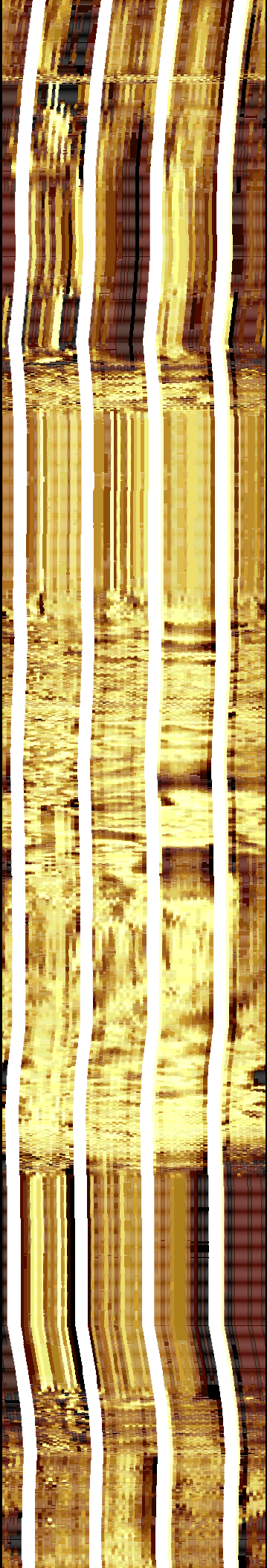
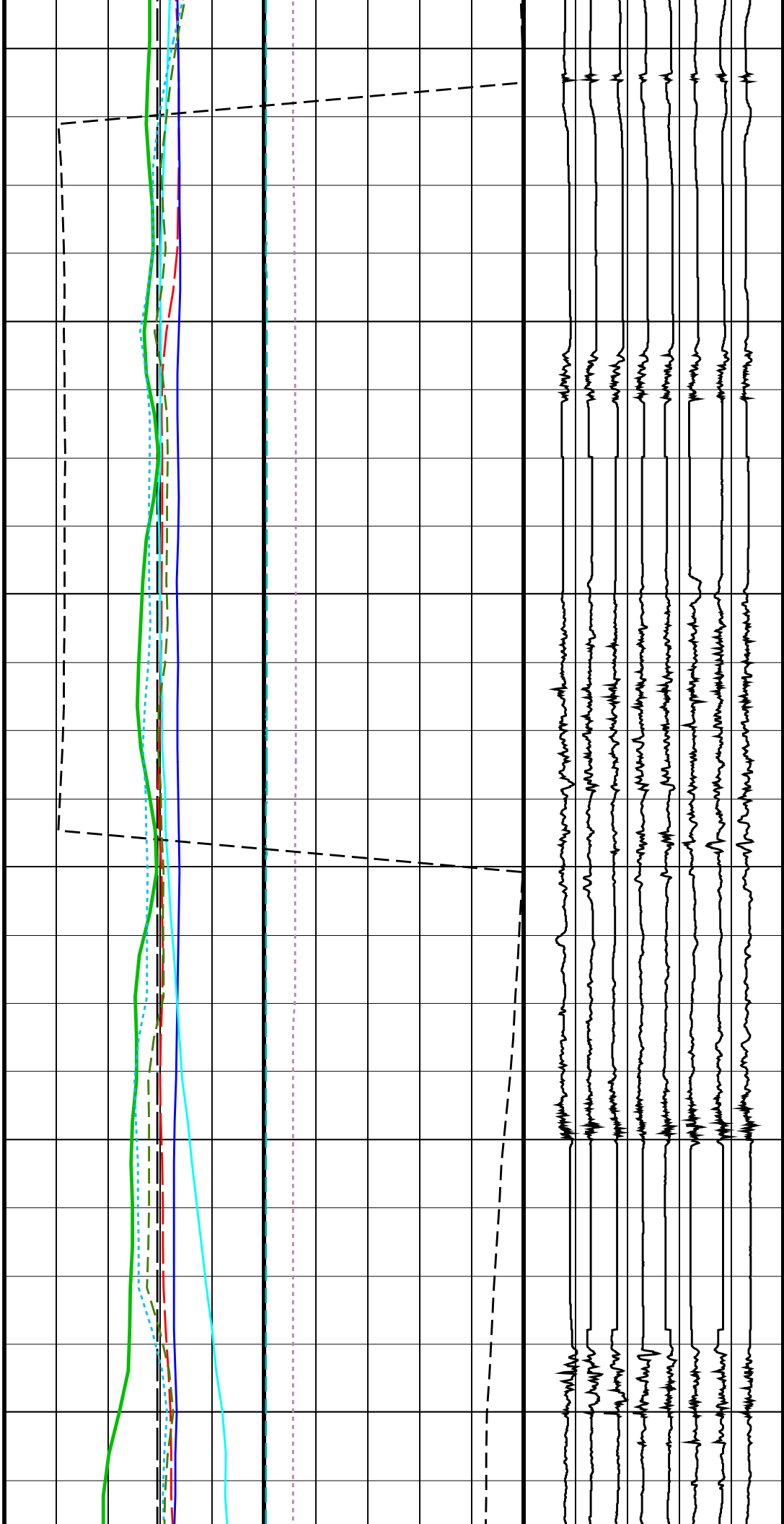
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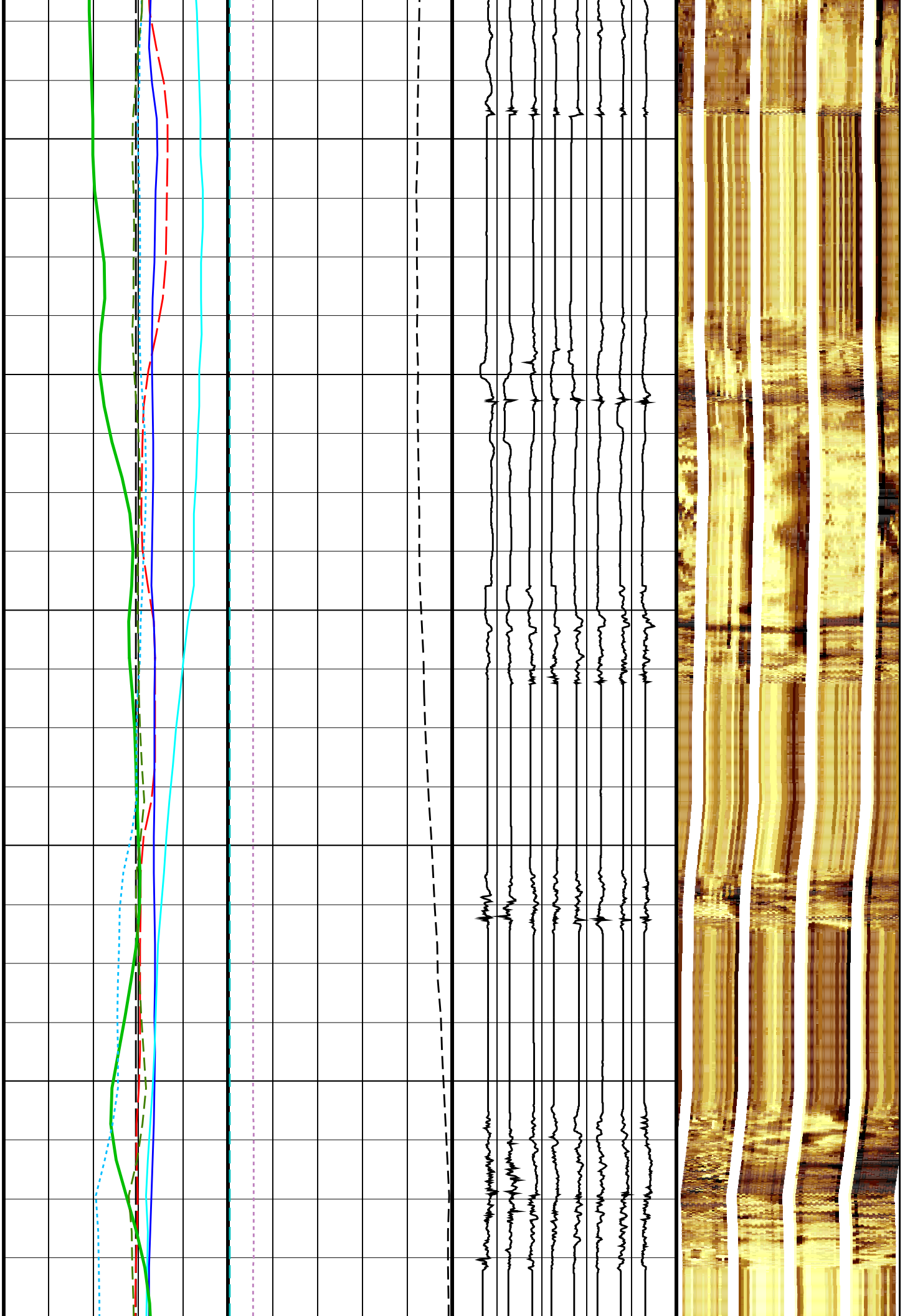
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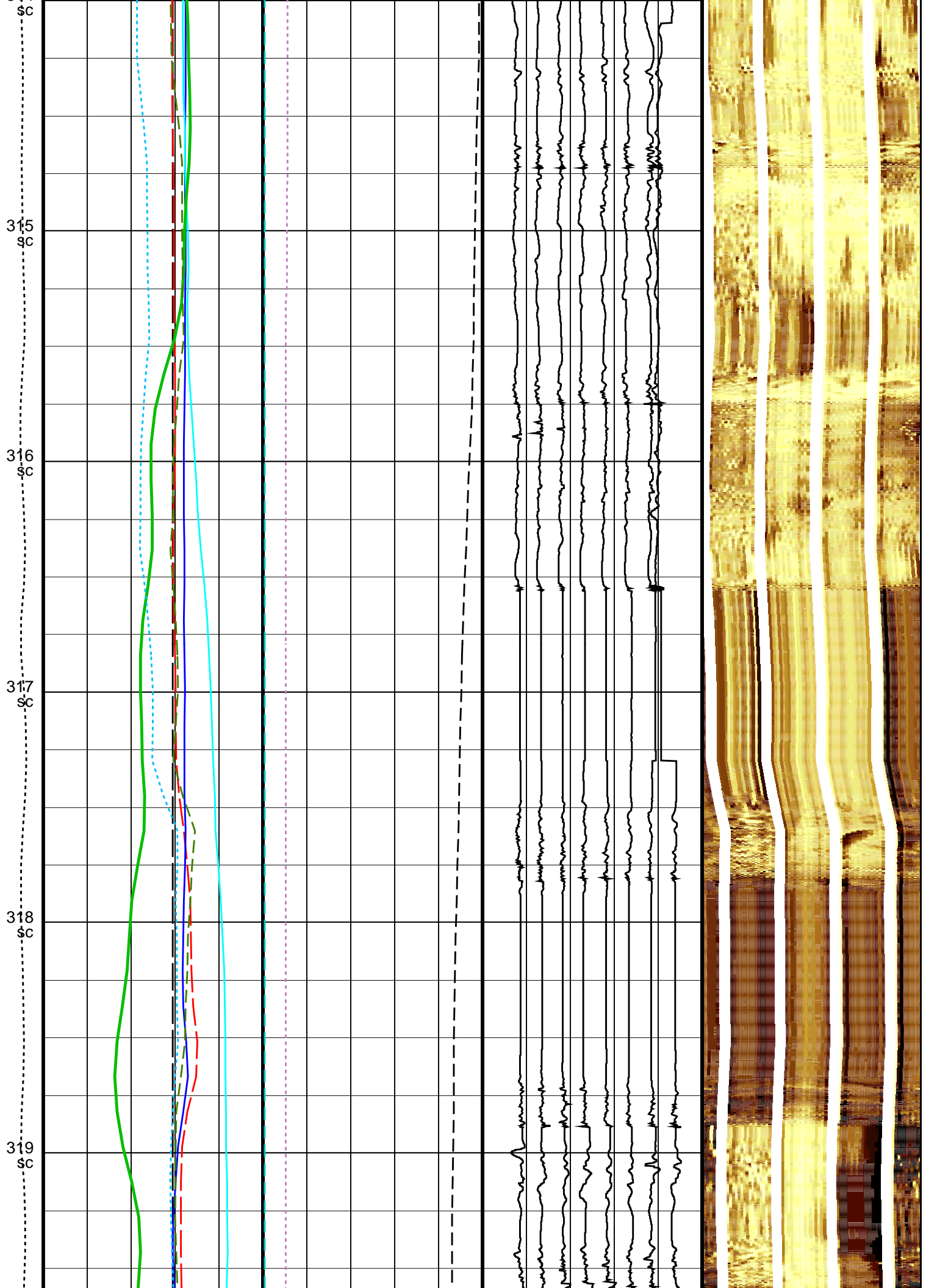
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SC

314





320
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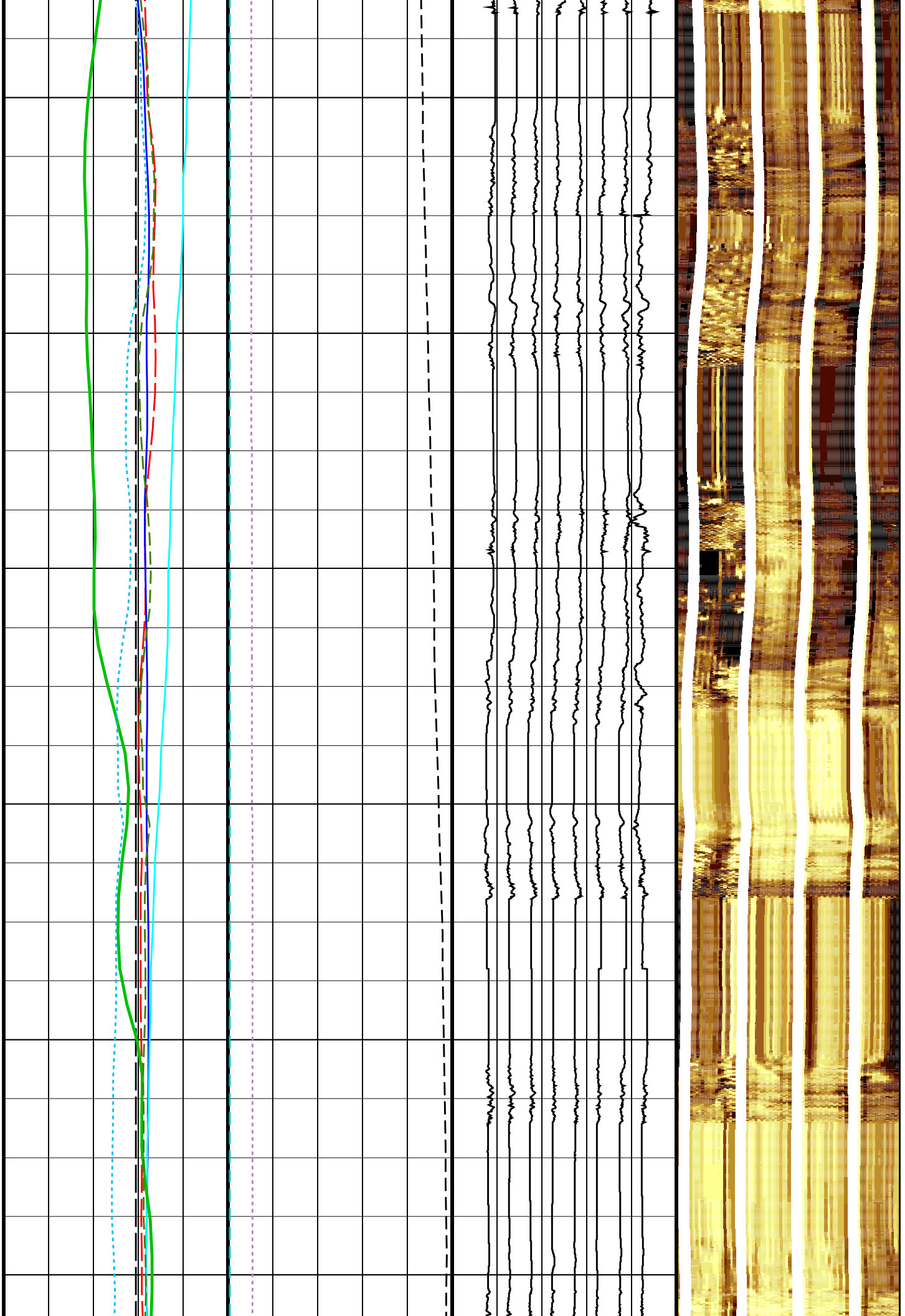
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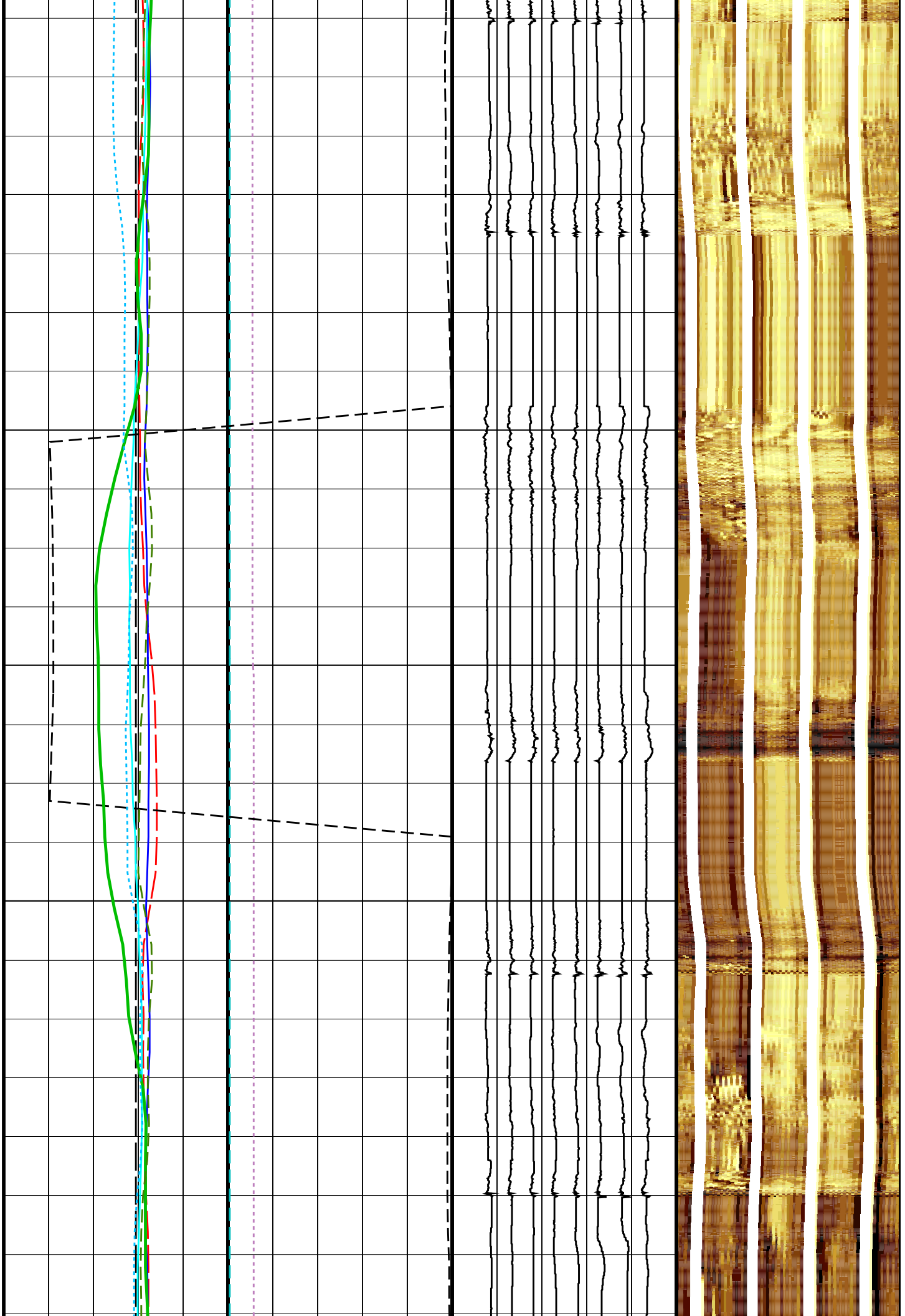
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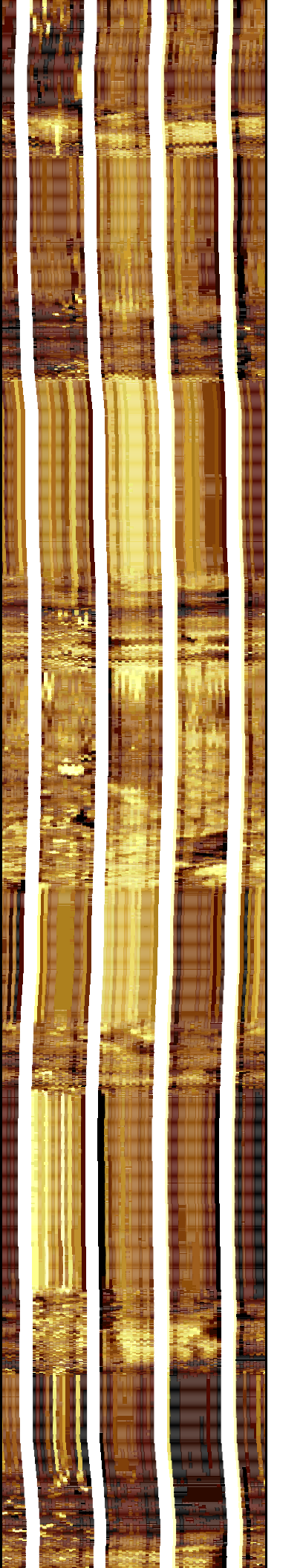
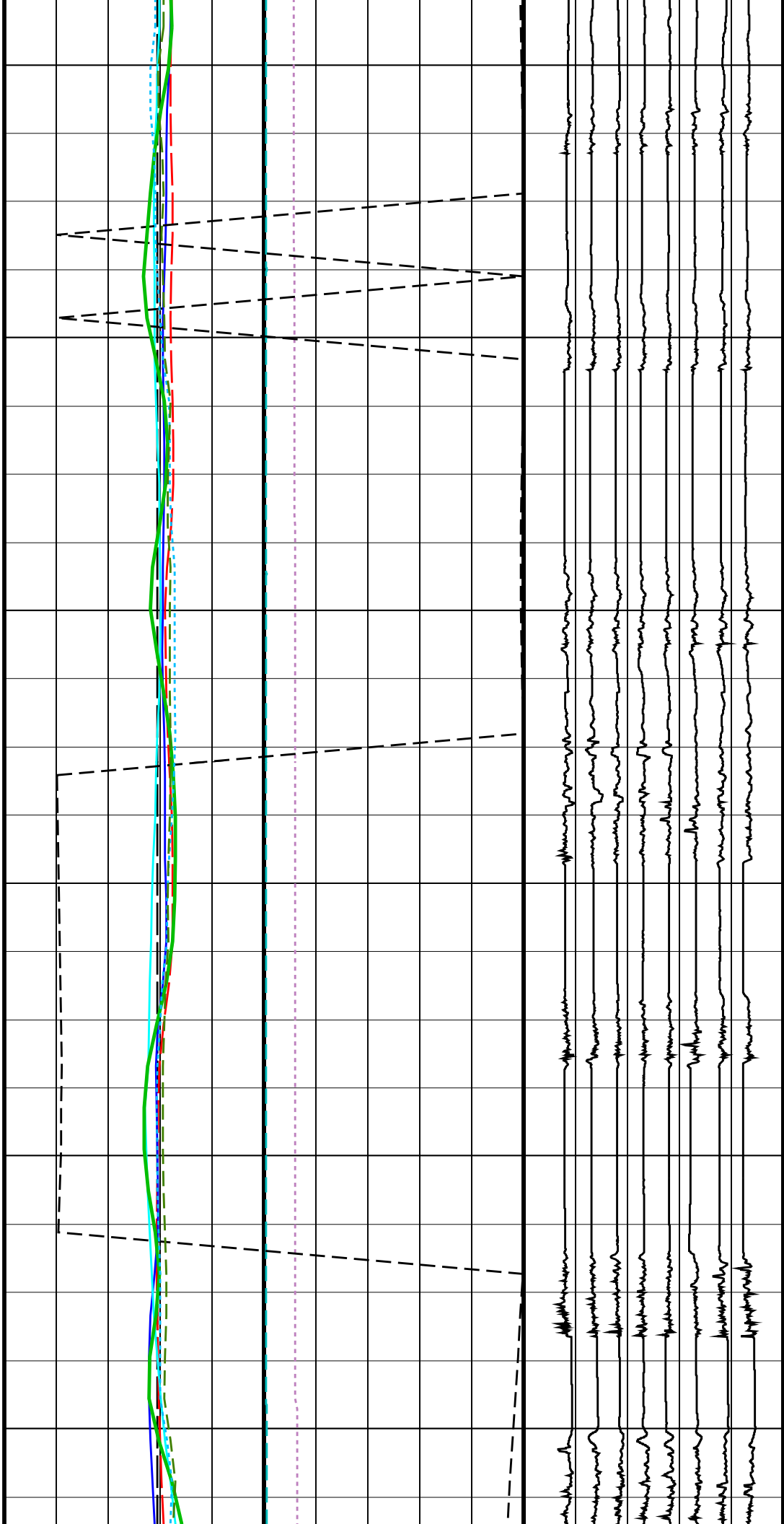
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329
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330
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331 SC
332 SC
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336 SC



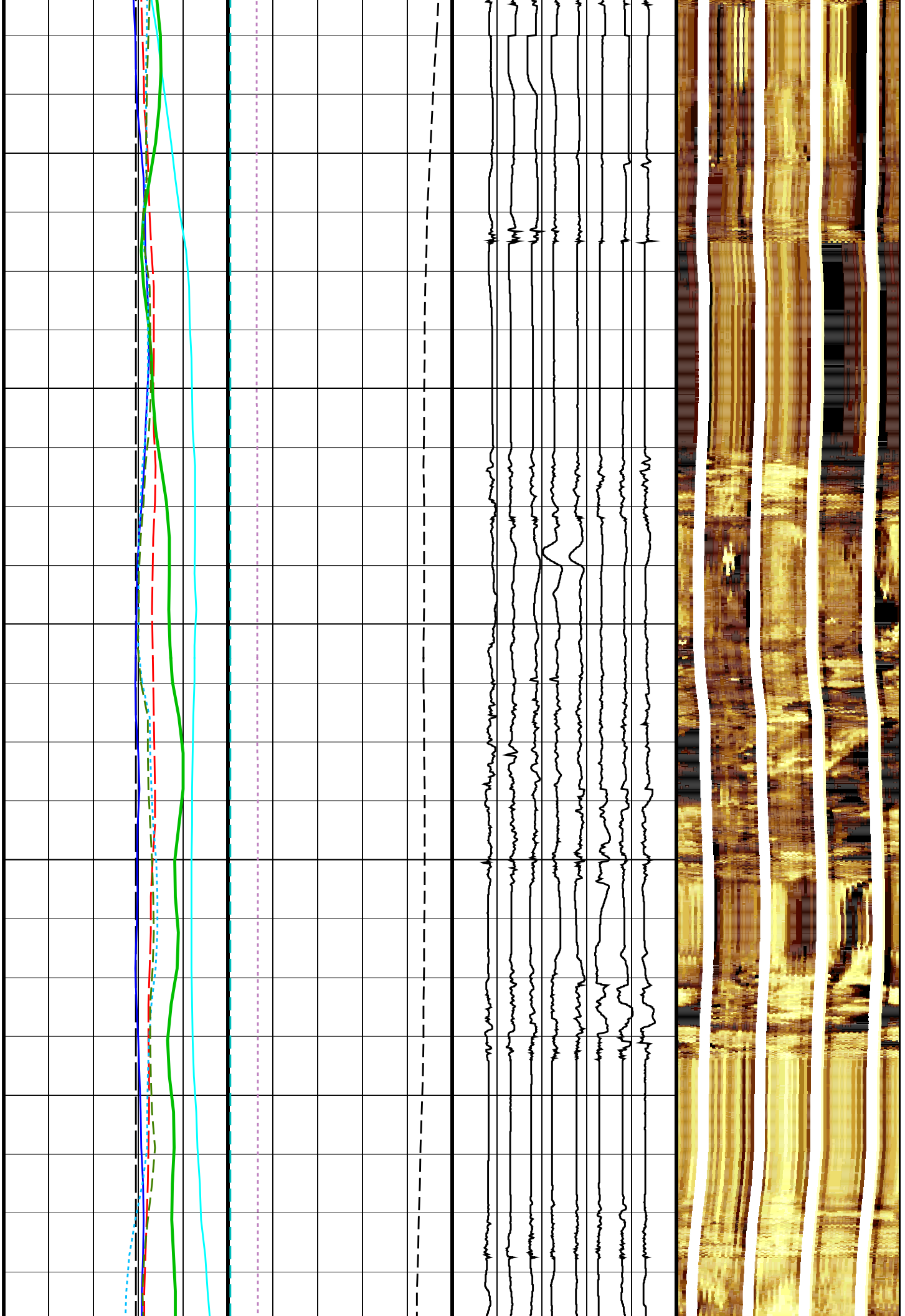
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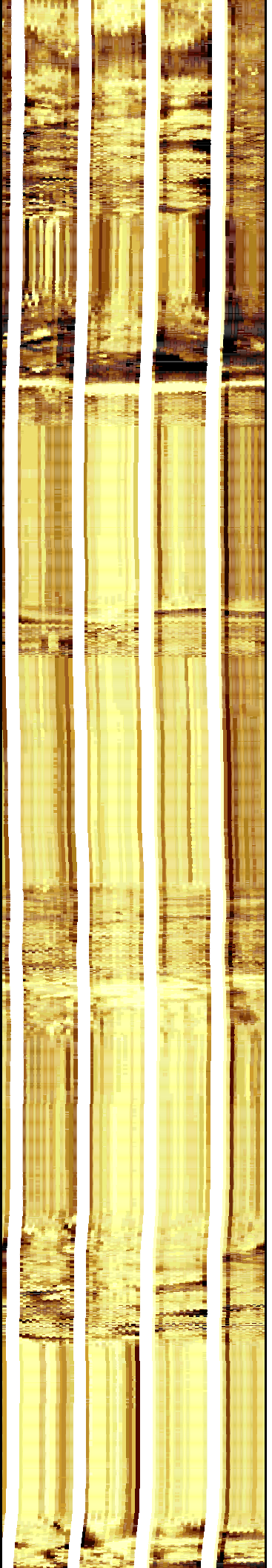
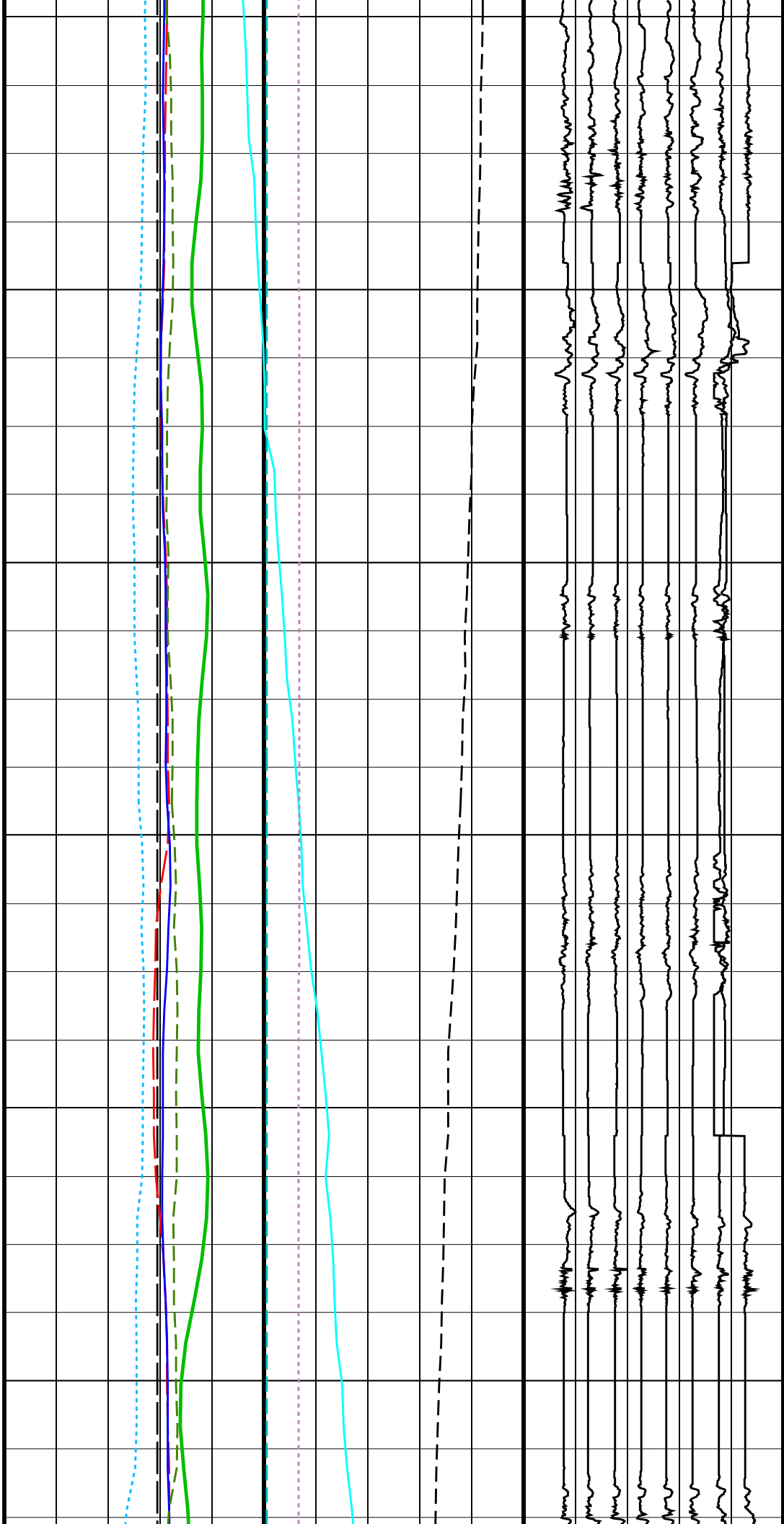
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sc

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sc



342 sc
343 sc
344 sc
345 sc
346 sc
347 sc



348
sc

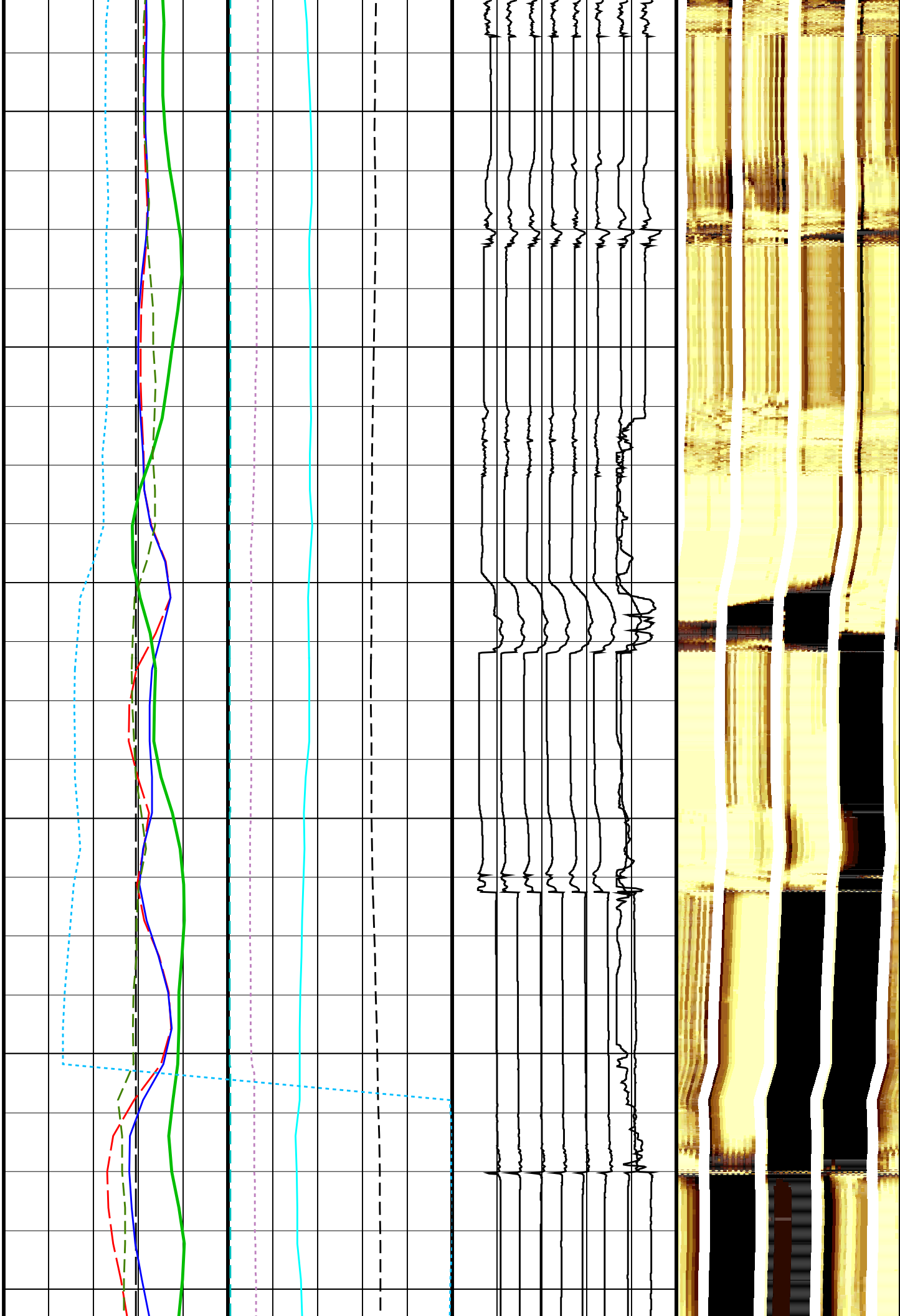
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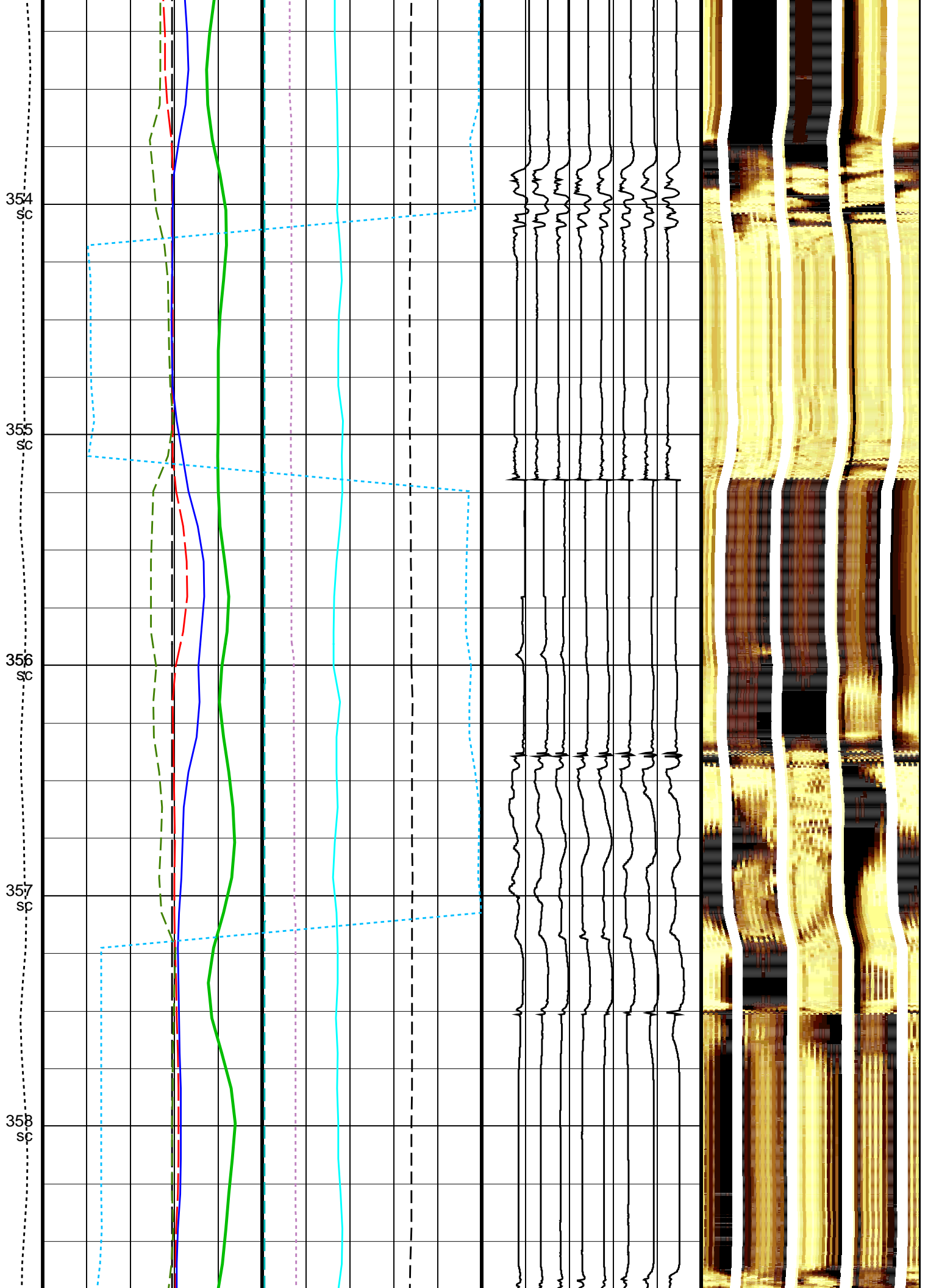
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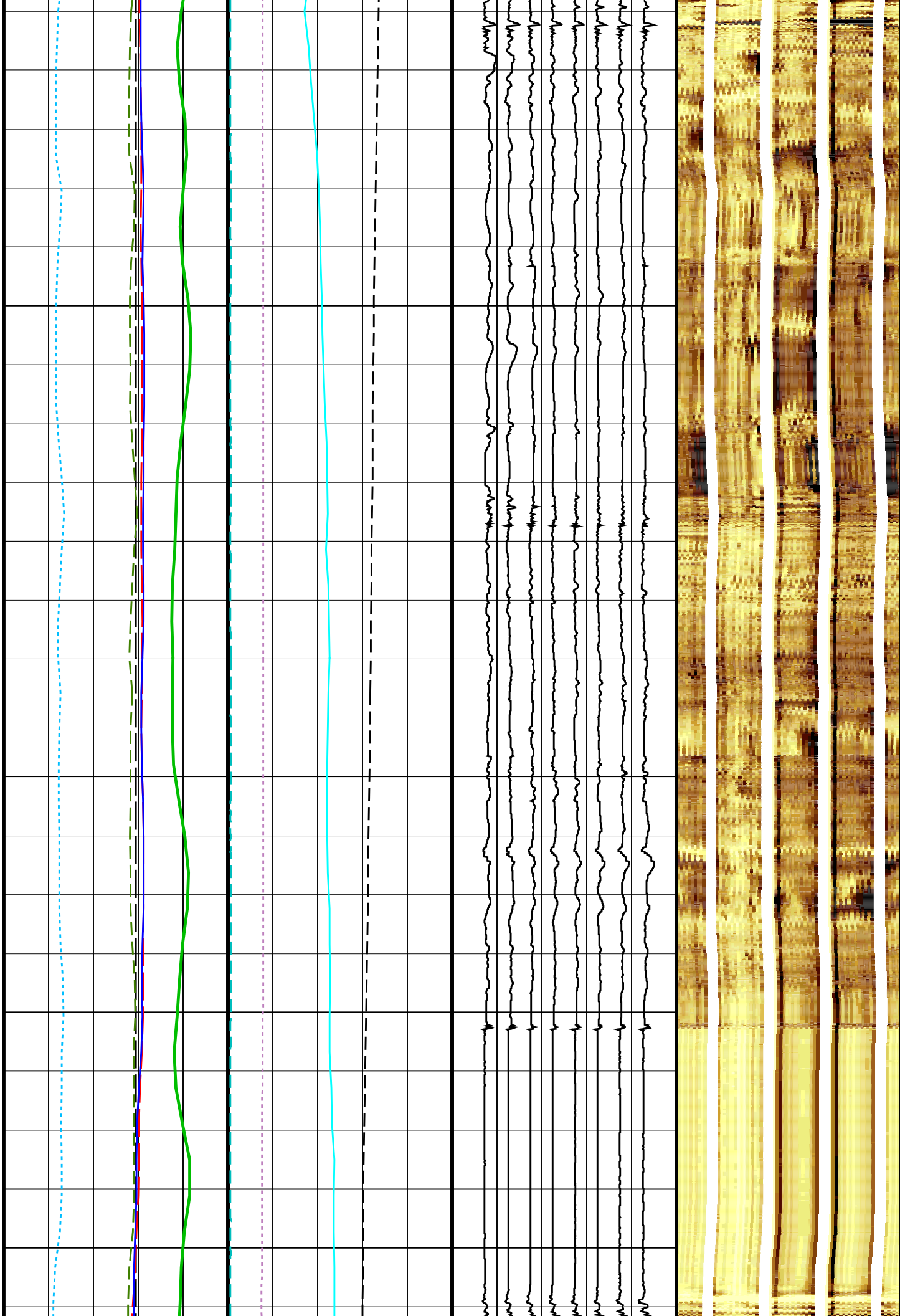
352
sc

353
sc





359 SC
360 SC
361 SC
362 SC
363 SC
364 SC



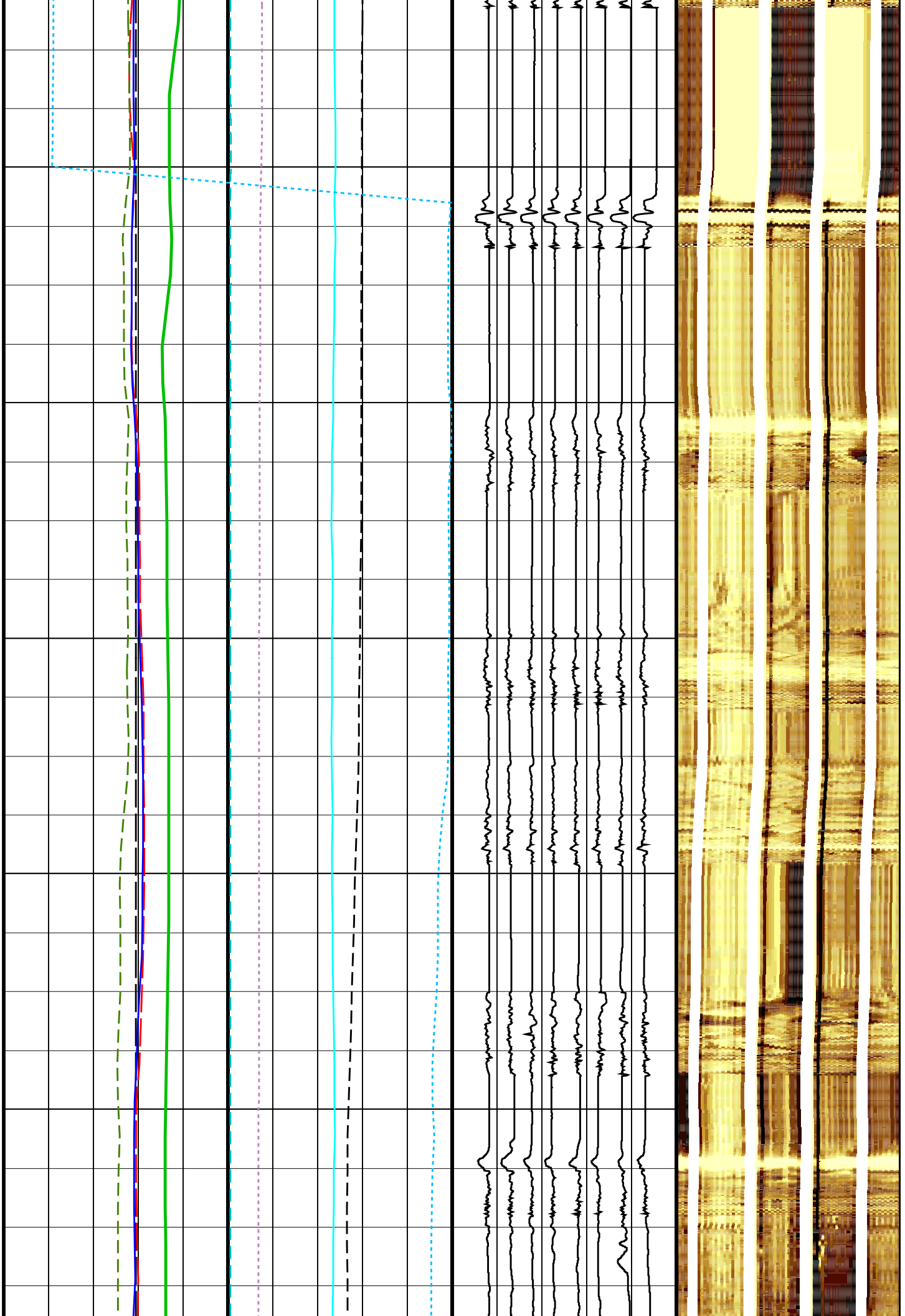
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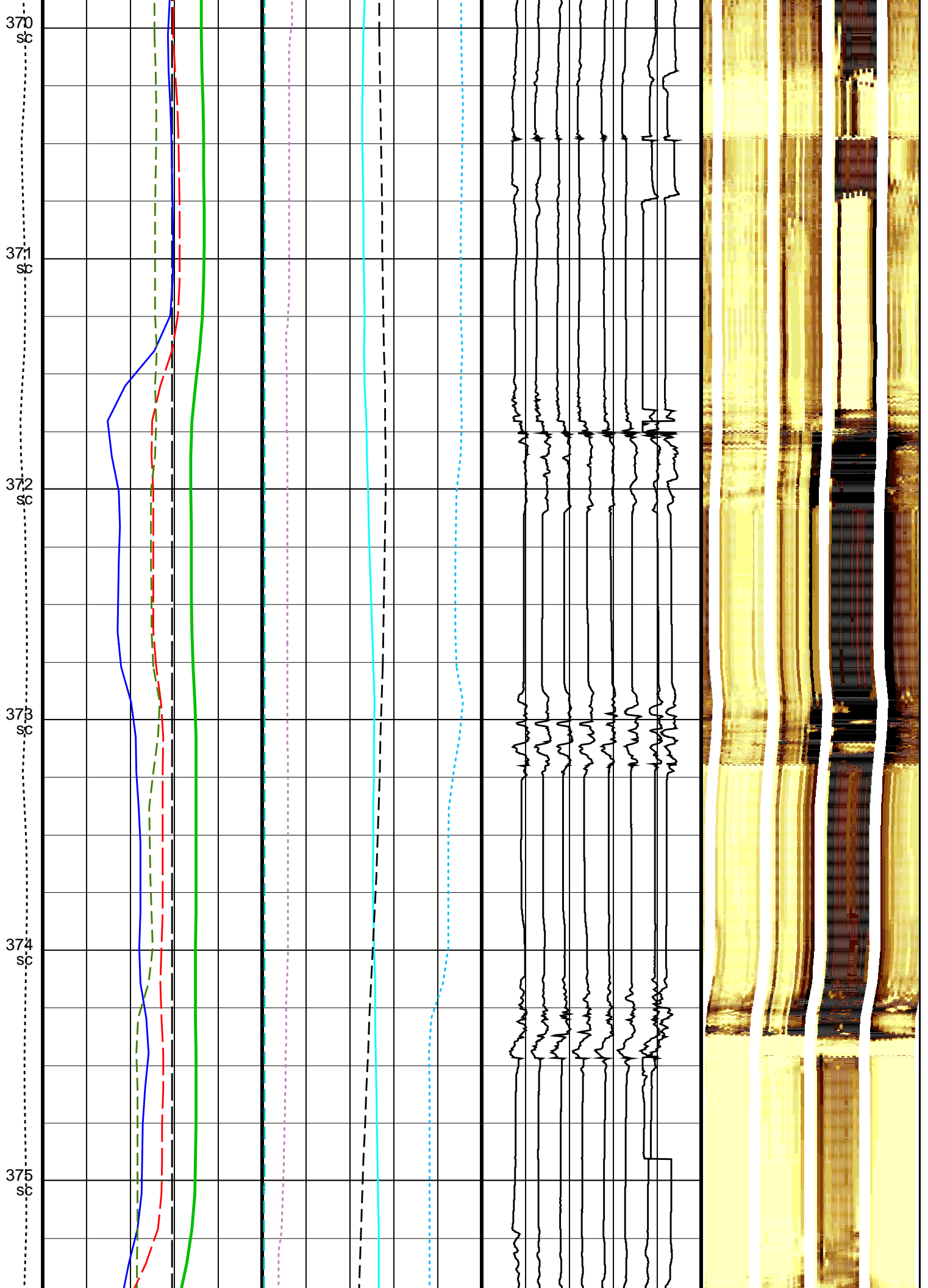
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368
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369
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376
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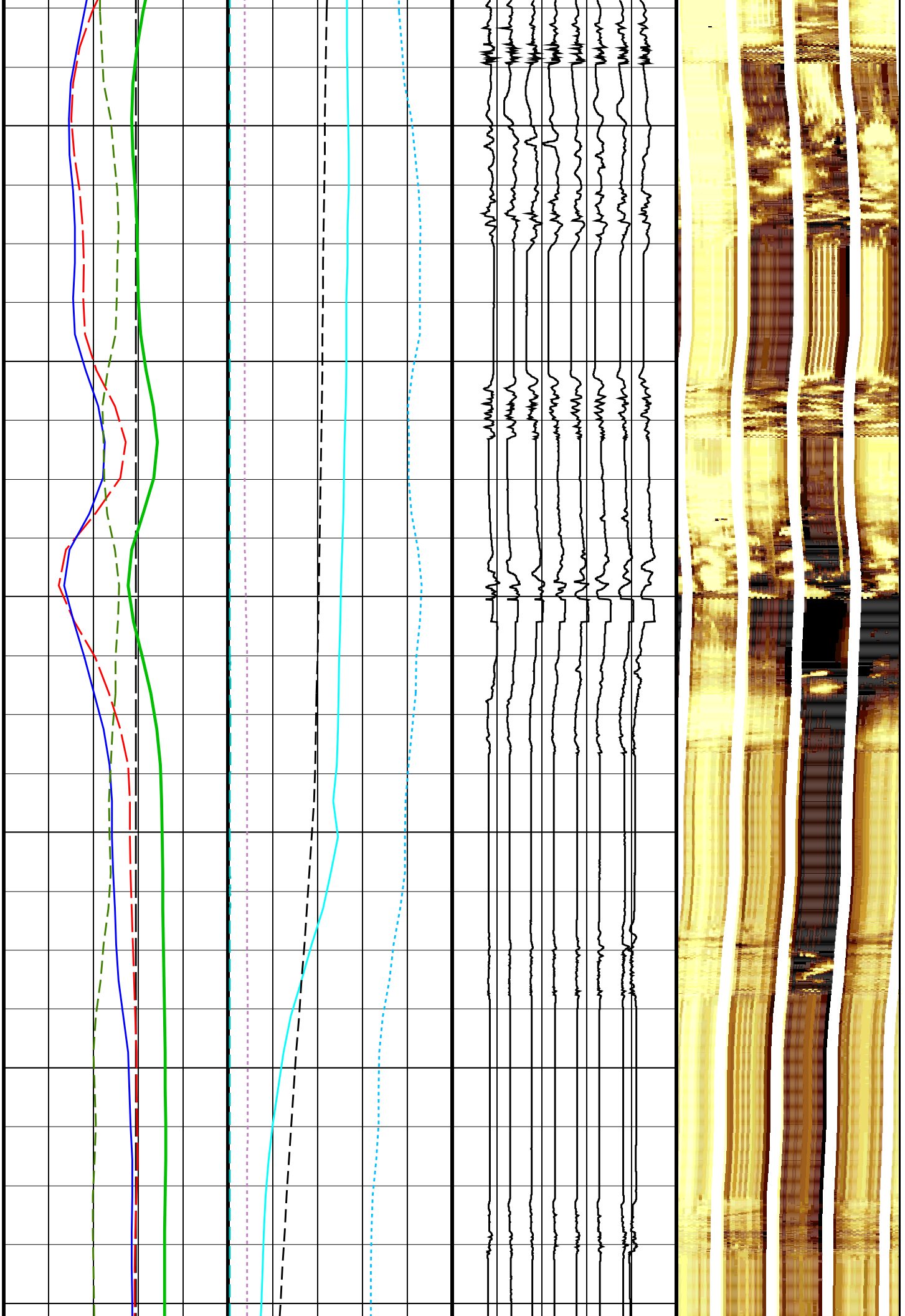
377
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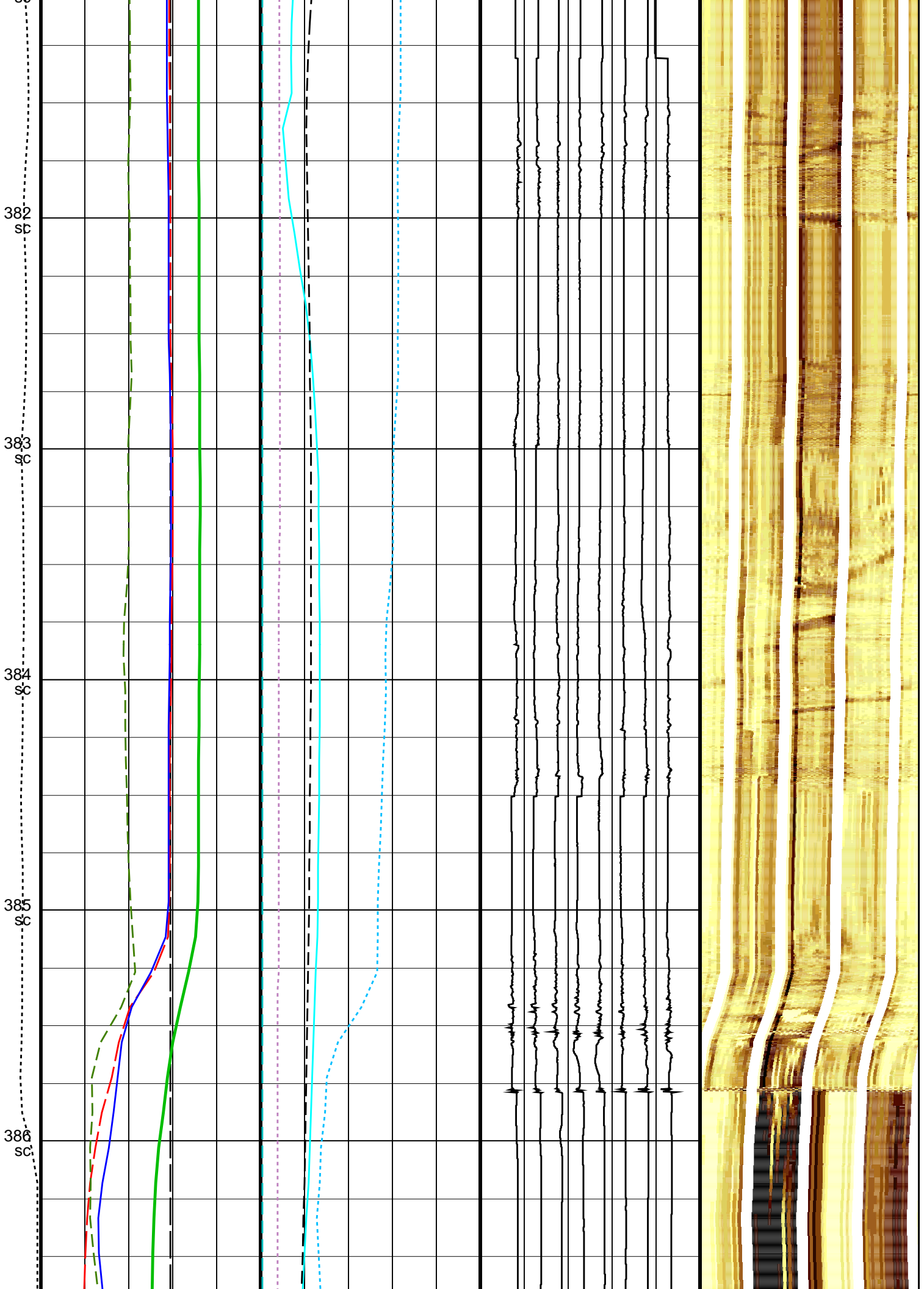
378
sc

379
sc

380
sc

381
sc





387
SC

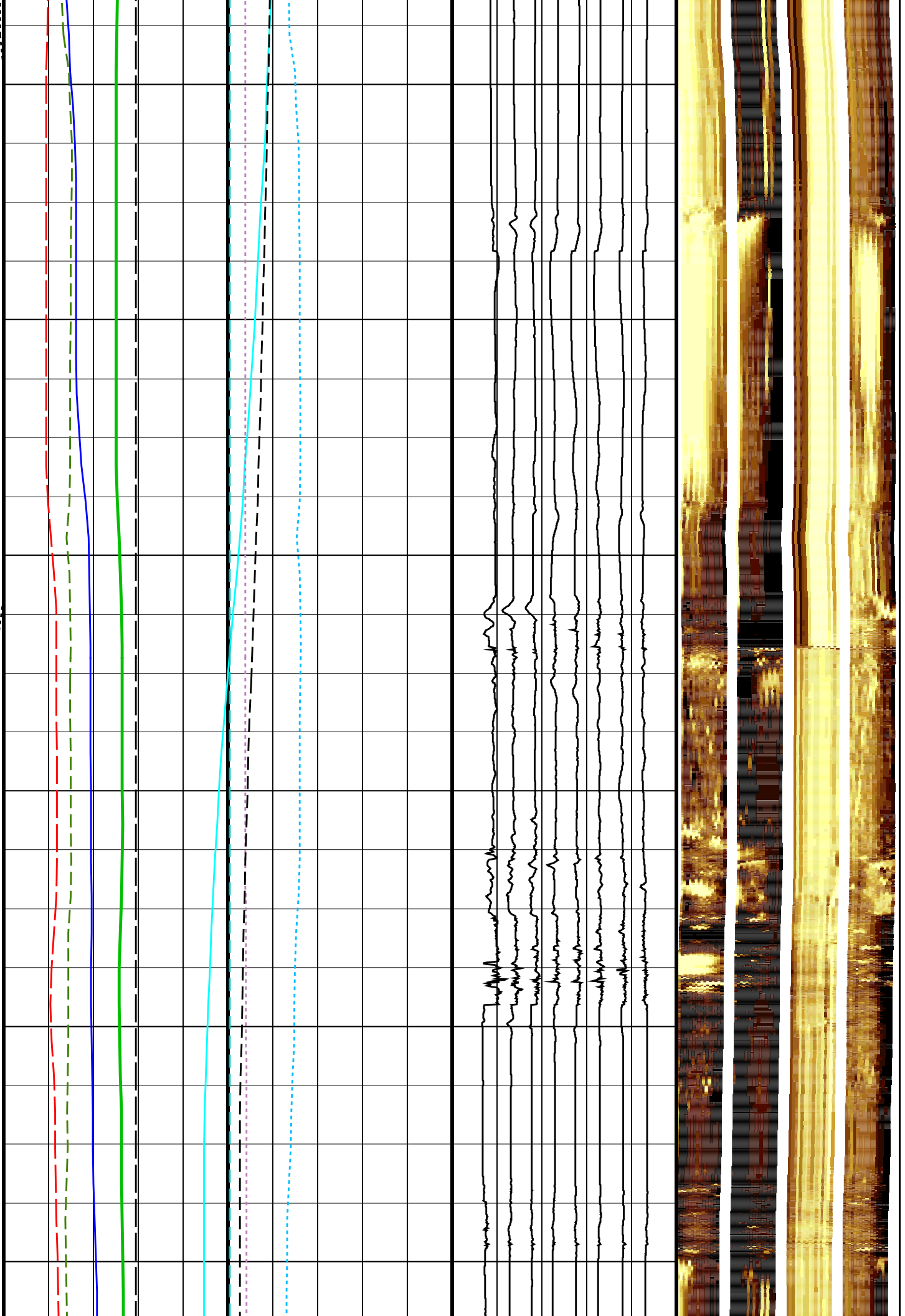
388
SC

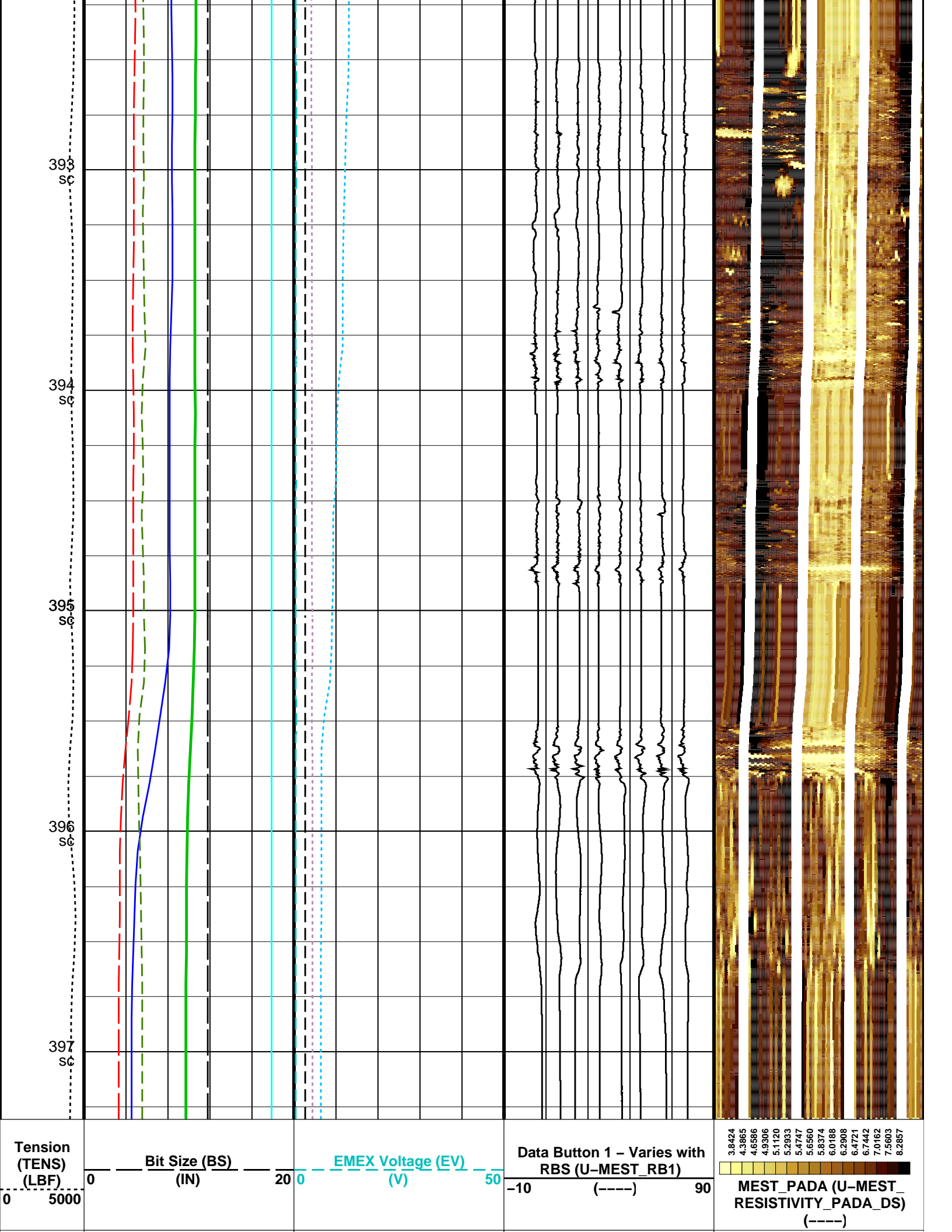
389
SC




390
SC

391
SC

392
SC





<p style="text-align: center;">Caliper 1 (C1) (IN)</p> <p>0 ————— 20</p>	<p style="text-align: center;">EMEX Intensity (EI) (AMPS)</p> <p>0 ————— 10</p>	<p style="text-align: center;">Data Button 2 – Varies with RBS (U-MEST_RB2)</p> <p>-20 (----) 80</p>	<p>3.8424 4.3865 4.6586 4.9306 5.1120 5.2933 5.4747 5.6560 5.8374 6.0188 6.2908 6.4721 6.7442 7.0162 7.5603 8.2857</p>  <p style="text-align: center;">MEST_PADB (U-MEST_RESISTIVITY_PADB_DS) (----)</p>
<p style="text-align: center;">Caliper 2 (C2) (IN)</p> <p>0 ————— 20</p>		<p style="text-align: center;">Data Button 3 – Varies with RBS (U-MEST_RB3)</p> <p>-30 (----) 70</p>	<p>3.8424 4.3865 4.6586 4.9306 5.1120 5.2933 5.4747 5.6560 5.8374 6.0188 6.2908 6.4721 6.7442 7.0162 7.5603 8.2857</p>  <p style="text-align: center;">MEST_PADC (U-MEST_RESISTIVITY_PADC_DS) (----)</p>
	<p style="text-align: center;">Deviation (DEVIM) (DEG)</p> <p>0 ————— 10</p>	<p style="text-align: center;">Data Button 4 – Varies with RBS (U-MEST_RB4)</p> <p>-40 (----) 60</p>	<p>3.8424 4.3865 4.6586 4.9306 5.1120 5.2933 5.4747 5.6560 5.8374 6.0188 6.2908 6.4721 6.7442 7.0162 7.5603 8.2857</p>  <p style="text-align: center;">MEST_PADD (U-MEST_RESISTIVITY_PADD_DS) (----)</p>
	<p style="text-align: center;">Hole Azimuth (HAZIM) (DEG)</p> <p>-40 - - - - - 360</p>	<p style="text-align: center;">Data Button 5 – Varies with RBS (U-MEST_RB5)</p> <p>-50 (----) 50</p>	
	<p style="text-align: center;">Pad One Azimuth (P1AZ_MEST) (DEG)</p> <p>-40 - - - - - 360</p>	<p style="text-align: center;">Data Button 6 – Varies with RBS (U-MEST_RB6)</p> <p>-60 (----) 40</p>	
	<p style="text-align: center;">Relative Bearing (RB_MEST) (DEG)</p> <p>-40 - - - - - 360</p>	<p style="text-align: center;">Data Button 7 – Varies with RBS (U-MEST_RB7)</p> <p>-70 (----) 30</p>	
<p style="text-align: center;">HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)</p> <p>0 ————— 100</p>		<p style="text-align: center;">Data Button 8 – Varies with RBS (U-MEST_RB8)</p> <p>-80 (----) 20</p>	

PIP SUMMARY

Time Mark Every 60 S

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	-0.00291345
HALF	HNGS Alpha Filter Length	60 IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE
HMWM	Mud Weighting Material	NATU
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	1.00485

VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.00829	
BHS	EDTC-B: Enhanced DTS Cartridge		
GCSE	Borehole Status	OPEN	
	Generalized Caliper Selection	C1	
	System and Miscellaneous		
ALTDPCCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	11.750	IN
DFD	Drilling Fluid Density	1.03	G/C3
DO	Depth Offset for Playback	-1916.2	M
PBVSADP	Use alternate depth channel for playback	YES	
PP	Playback Processing	RECOMPUTE	

Format: MEST_C_WRAP_BY_P1AZ Vertical Scale: 1:20 Graphics File Created: 31-Aug-2013 13:50

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

Speed Corrected Depth Log

Indexed to Speed Corrected Depth in this Playback

Input DLIS Files

DEFAULT	FMS_DSI_NGS_021LUP	FN:20	PRODUCER	30-Aug-2013 14:01	2313.4 M	1867.2 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_038PUP	FN:42	PRODUCER	31-Aug-2013 13:50		
CLIENT	FMS_DSI_NGS_038PUC	FN:43	CUSTOMER	31-Aug-2013 13:50		



Calibrations

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check							
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
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check							
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

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Ratio Of Detector 1 To Detector 2

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
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	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 30-Aug-2013 3:44							
EDTC Z-Axis Acceleration	9.810	N/A	9.794	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
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								

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		

Enhanced DTS Cartridge / Equipment Identification		
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 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			185.5 (Minimum) 204.1 (Nominal) 222.7 (Maximum)			150.0 (Minimum) 165.0 (Nominal) 180.0 (Maximum)	
Before: 30-Aug-2013 3:38								

Company: **Lamont Doherty Earth Observatory**

Schlumberger

Well: **Expedition 346, Site U1425B**

Field: **Asian Monsoon**

Rig: **JOIDES Resolution**

Country: **USA**

FMS Microresistivity