Schlumberger

Company: **International Ocean Discovery Program**

Well: **Expedition 375, Site U1520C**
Field: **Hikurangi Subduction Margin**
Rig: **JOIDES Resolution** Country:

Rig: JOIDES Resolution
Field: Hikurangi Subduction Margin
Location: Latitude: S 38* 58.1532
Well: Expedition 375, Site U1520C
Company: International Ocean Discovery Pr

DSI−HRLA−HLDS−EDTC
No Nuclear Sources
(Sonic, Resistivity, Caliper, GR)

LOCATION

Latitude: S 38* 58.1532
Longitude: E 179* 07.9112'

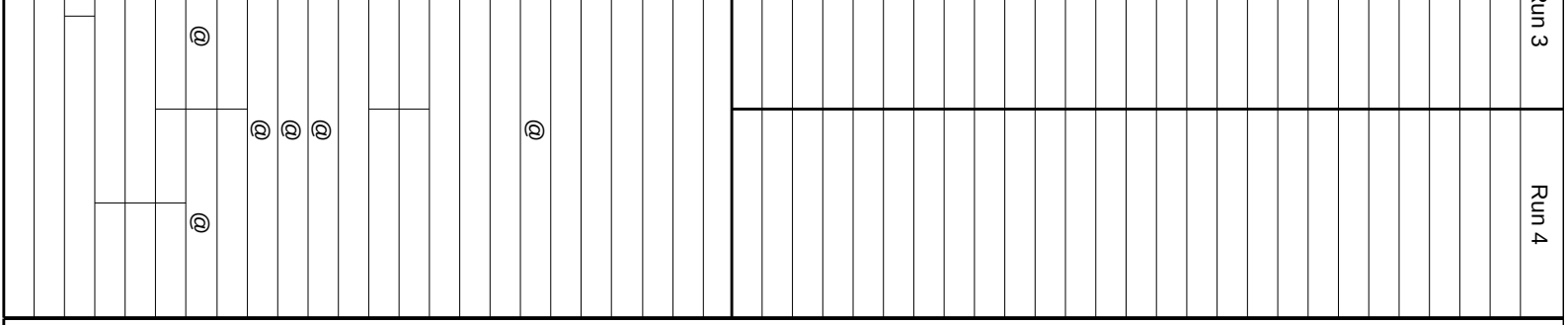
Elev.: K.B. 0.00 m
G.L. 3533.00 m
D.F. 0.00 m

Permanent Datum: Sea Floor — Elev.: 3533.00 m
Log Measured From: Rig Floor — −3533.00 m above Perm. Datum
Drilling Measured From: Rig Floor

Ocean: Pacific	Max. Well Deviation 0 deg	Longitude E 179.1318533	Latitude S 38.96922

	Run 1	Run 2	Run 3
Logging Date	9−Apr−2018		
Run Number	1		
Depth Driller	4585 m		
Schlumberger Depth	4585 m		
Bottom Log Interval	4585 m		
Top Log Interval	4173 m		
Casing Driller Size @ Depth	10.750 in @ 4173 m	@	@
Casing Schlumberger	4173 m		
Bit Size	9.875 in		
Type Fluid In Hole	Seapeolite Gel w/ Barite		
MUD Density / Viscosity	1.26 g/cm3 /		
MUD Fluid Loss / PH	/ 8.07		
MUD Source Of Sample	Mudpit		
RM @ Measured Temperature	0.220 ohm.m @ 23 degC	@	@
RMF @ Measured Temperature	@	@	@
RMC @ Measured Temperature	@	@	@
Source RMF / RMC	N/A / N/A		
RM @ MRT / RMF @ MRT	0.078 @ 104 / @ 104	@ / @	@ / @
Maximum Recorded Temperatures	104 degC		
Circulation Stopped / Time	8−Apr−2018 / 23:30		
Logger On Bottom / Time	9−Apr−2018 / 6:00		
Unit Number / Location	627314 / Houma, LA		
Recorded By	C. Furman		
Witnessed By	K. Griger		

	Run 4	Run 5	Run 6
Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth	@		
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
MUD Density / Viscosity	/		
MUD Fluid Loss / PH	/		
MUD Source Of Sample			
RM @ Measured Temperature	@		
RMF @ Measured Temperature	@		
RMC @ Measured Temperature	@		
Source RMF / RMC	/		
RM @ MRT / RMF @ MRT	@ / @		
Maximum Recorded Temperatures			
Circulation Stopped / Time			
Logger On Bottom / Time			
Unit Number / Location	/		
Recorded By			
Witnessed By			



REMARKS: RUN NUMBER 1

Hole drilled with RCB bottom hole assembly (BHA) at 9−7/8" BS

Pipe positioned at bottom of hole, approximately 100m below sea floor.

Sea Floor: 3531 mbrf Casing Shoe: 4173 mbrf Bit: 4130 mbrf

Entire string centralized using two modified MCD 3−arm spring centralizers as per toolsketch.

HLDS Run without nuclear source, as per client request (caliper only)

DSI run with the following modes:

P&S: Standard Frequency

Lower Dipole: Low Frequency

Upper Dipole: Standard Frequency

Stoneley: Standard Frequency

Active Heave Compensation used throughout data acquisition as sea state was variable up to a maximum of 3m p−p heave.

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

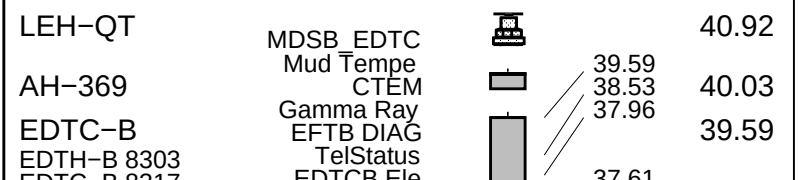
EQUIPMENT DESCRIPTION

RUN 1

SURFACE EQUIPMENT

WITM (EDTS)−A

DOWNHOLE EQUIPMENT



RUN 2

EDTC−B 8317

LDSC−B
LDSH−A 319

LDSC Stat — 37.08 — 37.61

HLDS
HLDV−D 45
HLDS−D 45
HEH−H 47
HLDP−C 45

36.55

Caliper
SS LS Status — 32.49

AH−184 — 31.73

AH−ECH−MRA
AH−ECH−MRA 5714

31.12

AH−184 — 28.23

AH−MCD
AH−MCD 82

27.62

HRLT−B
HRUH−B 768
HRUC−B 764
HRLS−B 768
HRLH−B 968
HRLC−B 974
AH−270 1708

25.34

High Res. — 21.75

DSST−B
SPAC−B 8194
ECH−SD 8183
SMDR−BD 8232
SSIJ−BA 8192
SMDX−AA 8131

17.96

PWF — 2.42

AH−MCD1
AH−MCD1 1

2.42

DF ACCZ
Tension HV — 0.00

BNS−CCS

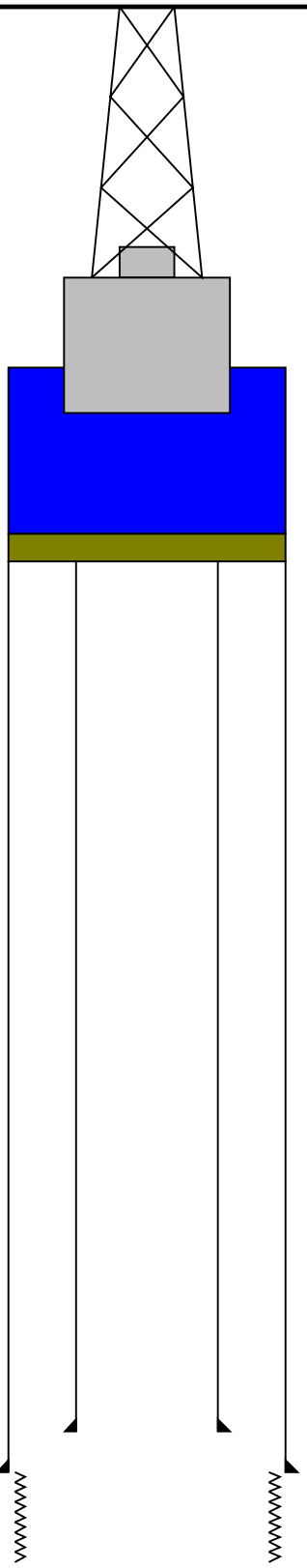
0.14

TOOL ZERO

MAXIMUM STRING DIAMETER 4.50 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

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

	OD	ID	MD
Kelly Bushing Elevation			0.0
Derrick Floor Elevation			0.0
Mean Sea Level			11.0



MD	OD	ID	
3531.0	10.750	10.200	Sea Floor
4130.0	5.500	4.125	Bit
4173.0	10.750	10.200	Casing Shoe
4585.0	9.875		Total Depth – Driller

Schlumberger

Main Pass
1:200 Scale

MAXIS Field Log

Company: International Ocean Discovery Program **Well: Expedition 375, Site U1520C**

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_014LUP	FN:19	PRODUCER	09−Apr−2018 09:38	4477.5 M	3520.6 M

Output DLIS Files

DEFAULT	DSI_HRLA_LDL_021PUP	FN:30	PRODUCER	09−Apr−2018 11:54	4477.5 M	3520.6 M
RTB	DSI_HRLA_LDL_021PUP	FN:31	PRODUCER	09−Apr−2018 11:54	4477.5 M	3520.6 M

OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

PIP SUMMARY

Time Mark Every 60 S

Peak Coherence / TA − P & S Shear (CHTS)
−1 (−−−−) 9

Delta−T Shear − P & S (DT4S)
440 (US/F) 40

Delta−T Shear / TA − P & S (DTTS)
440 (US/F) 40

Delta−T Shear / RA − P & S (DTRS)
440 (US/F) 40

Delta−T Comp − P & S (DT4P)
440 (US/F) 40

Delta−T Comp / TA − P & S (DTTP)
440 (US/F) 40

Delta−T Comp / RA − P & S (DTRP)
440 (US/F) 40

HLDS Caliper (LCAL)
0 (IN) 20

Peak Coherence / RA − P & S Shear (CHRS)
−1 (−−−−) 9

Min Amplitude Max

Rec.Array P&S Slow Proj. CVDL (SPR4)
40 (US/F) 240

Gamma Ray (GR_EDTC)
0 (GAPI) 150

Peak Coherence / TA − P & S Comp (CHTP)
0 (−−−−) 10

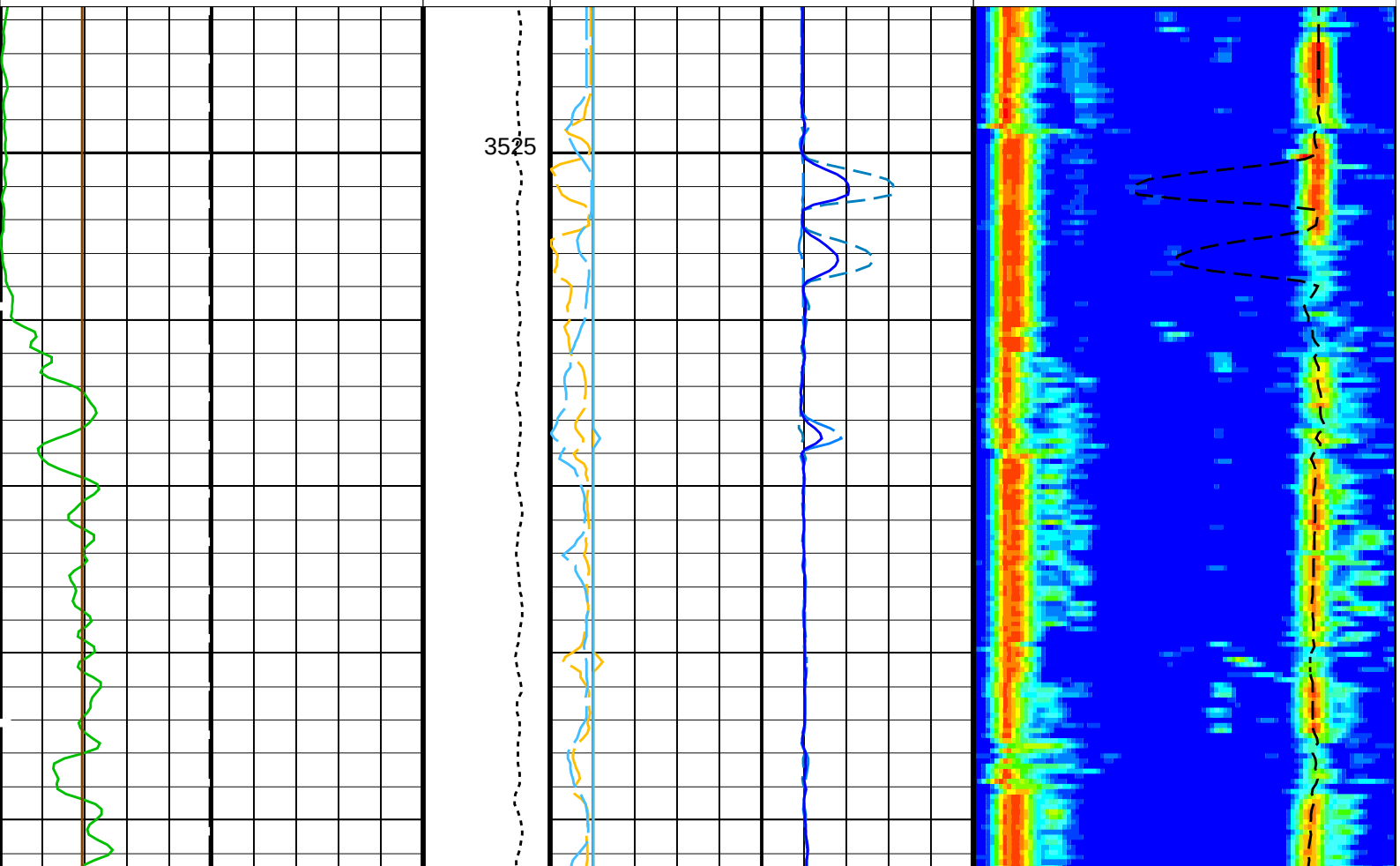
Delta−T Shear / RA − P & S (DTRS)
40 (US/F) 240

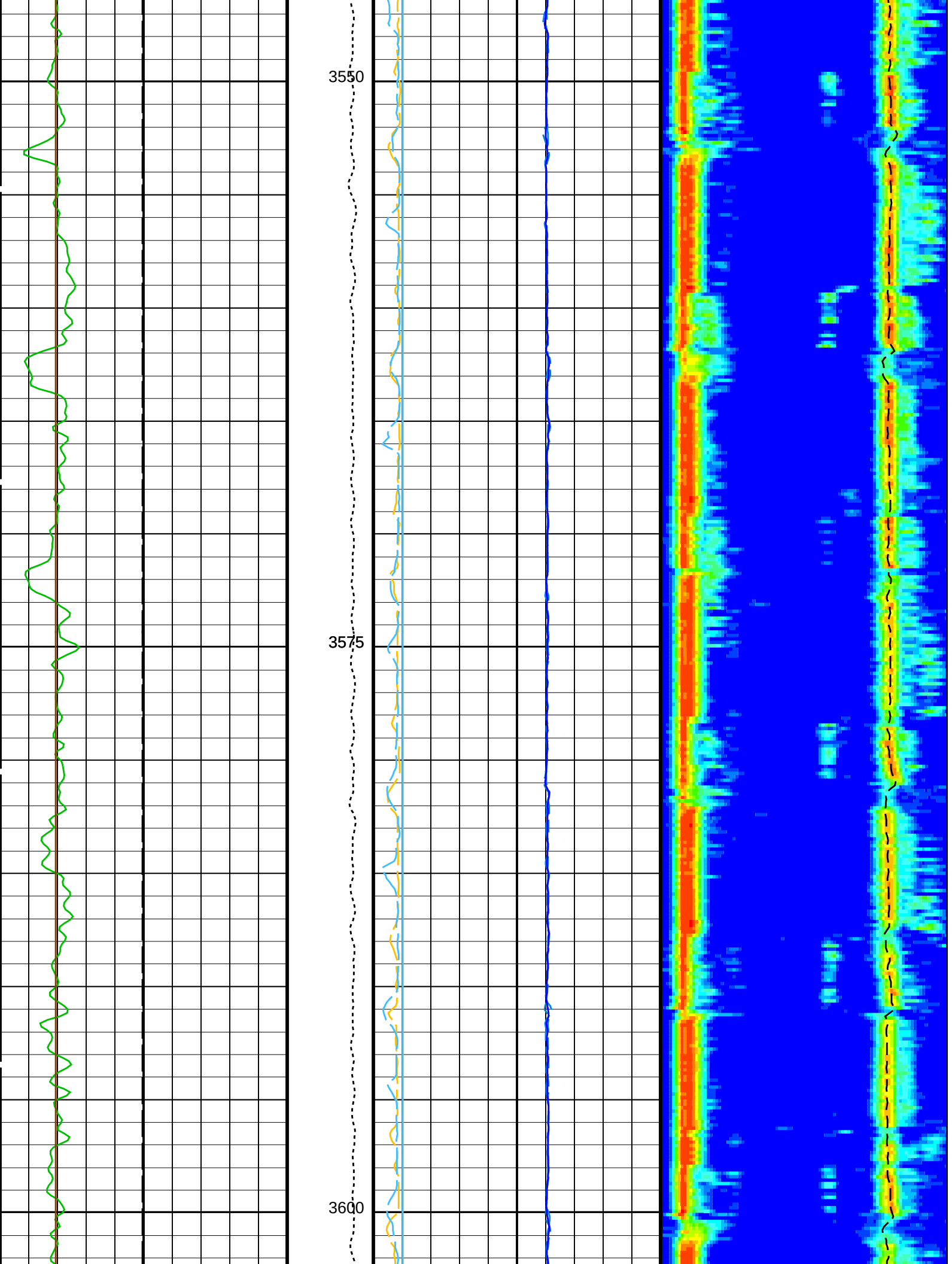
Bit Size (BS)
0 (IN) 20

Tension (TENS) (LBF)
0 7500

Peak Coherence / RA − P & S Comp (CHRP)
0 (−−−−) 10

Delta−T Comp / RA − P & S (DTRP)
40 (US/F) 240

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3575
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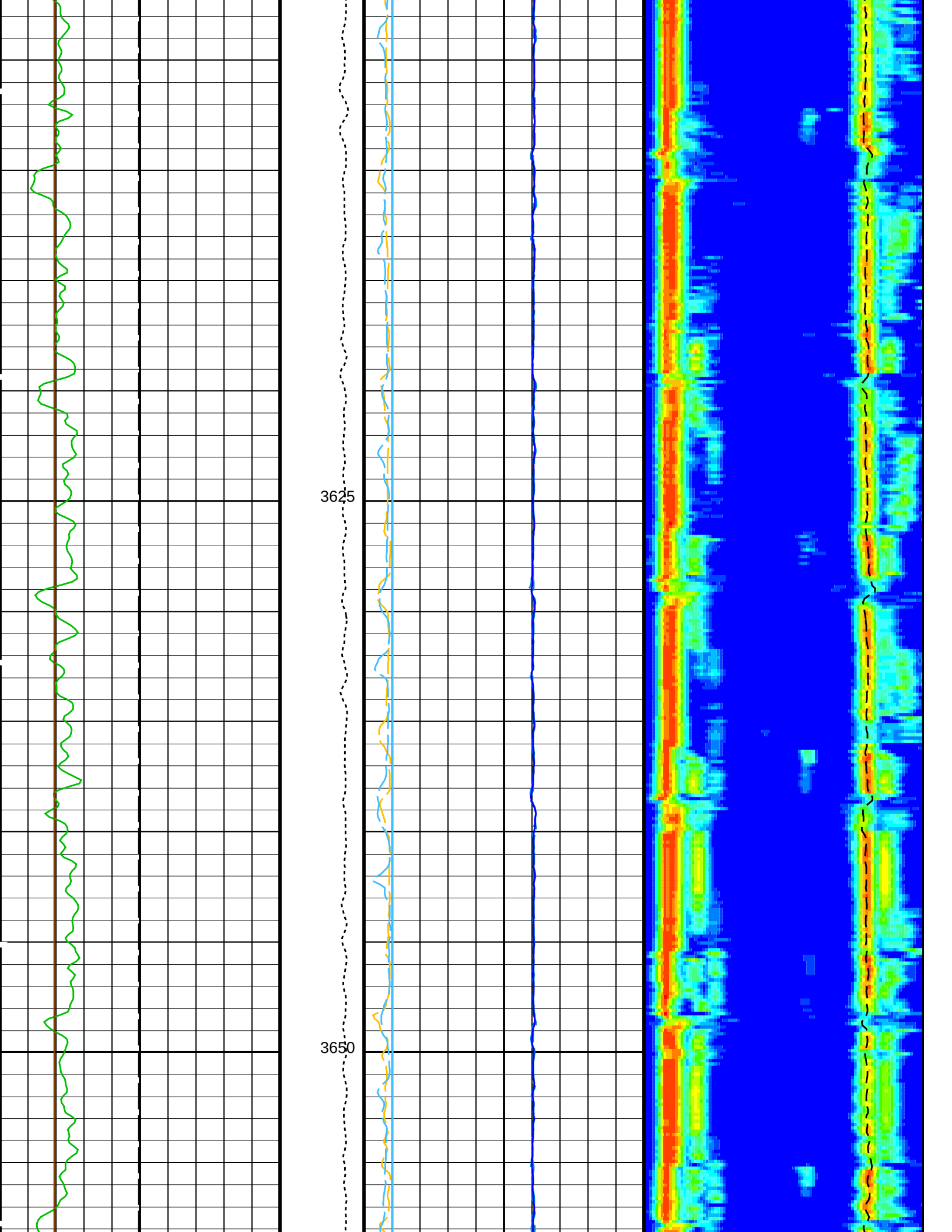
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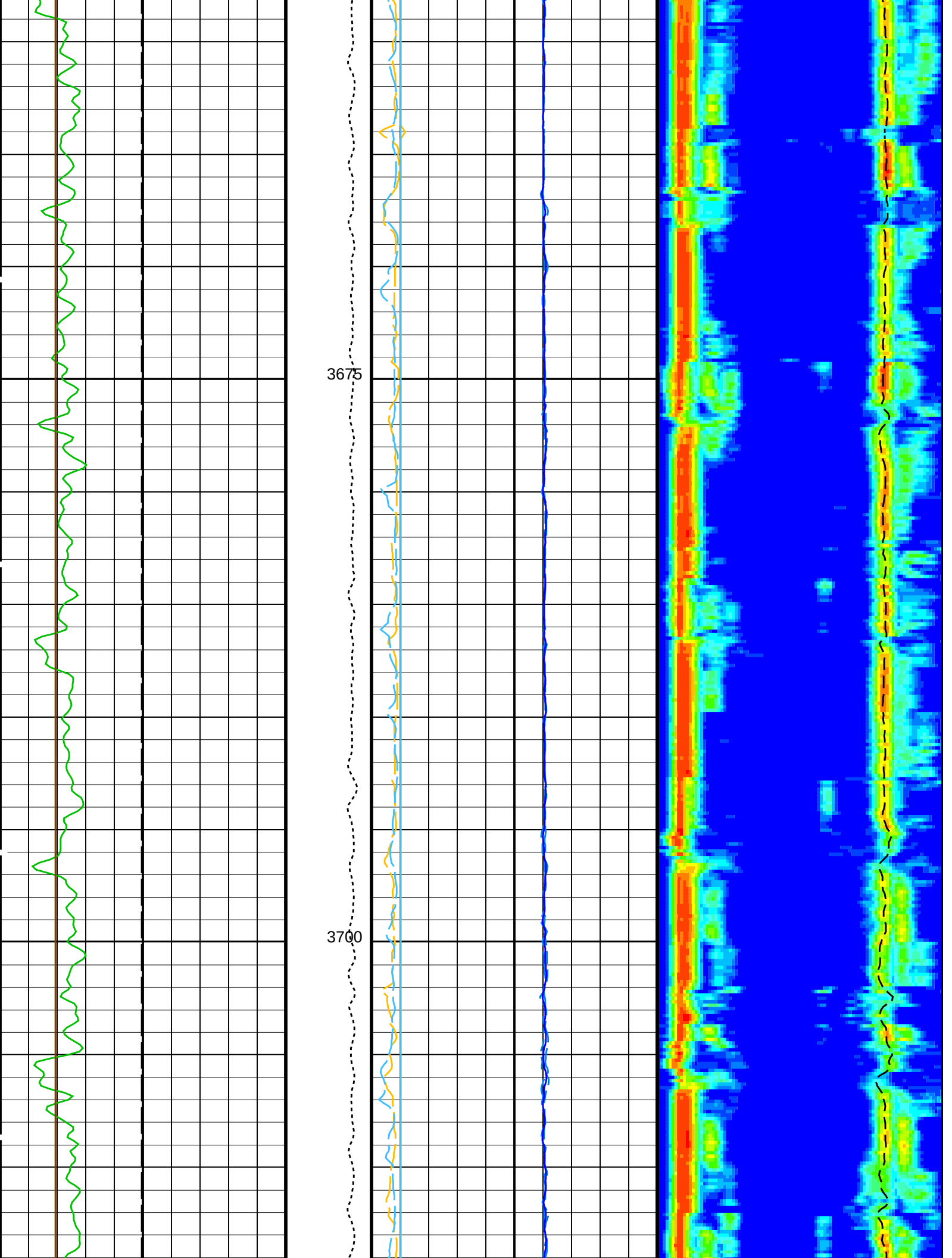
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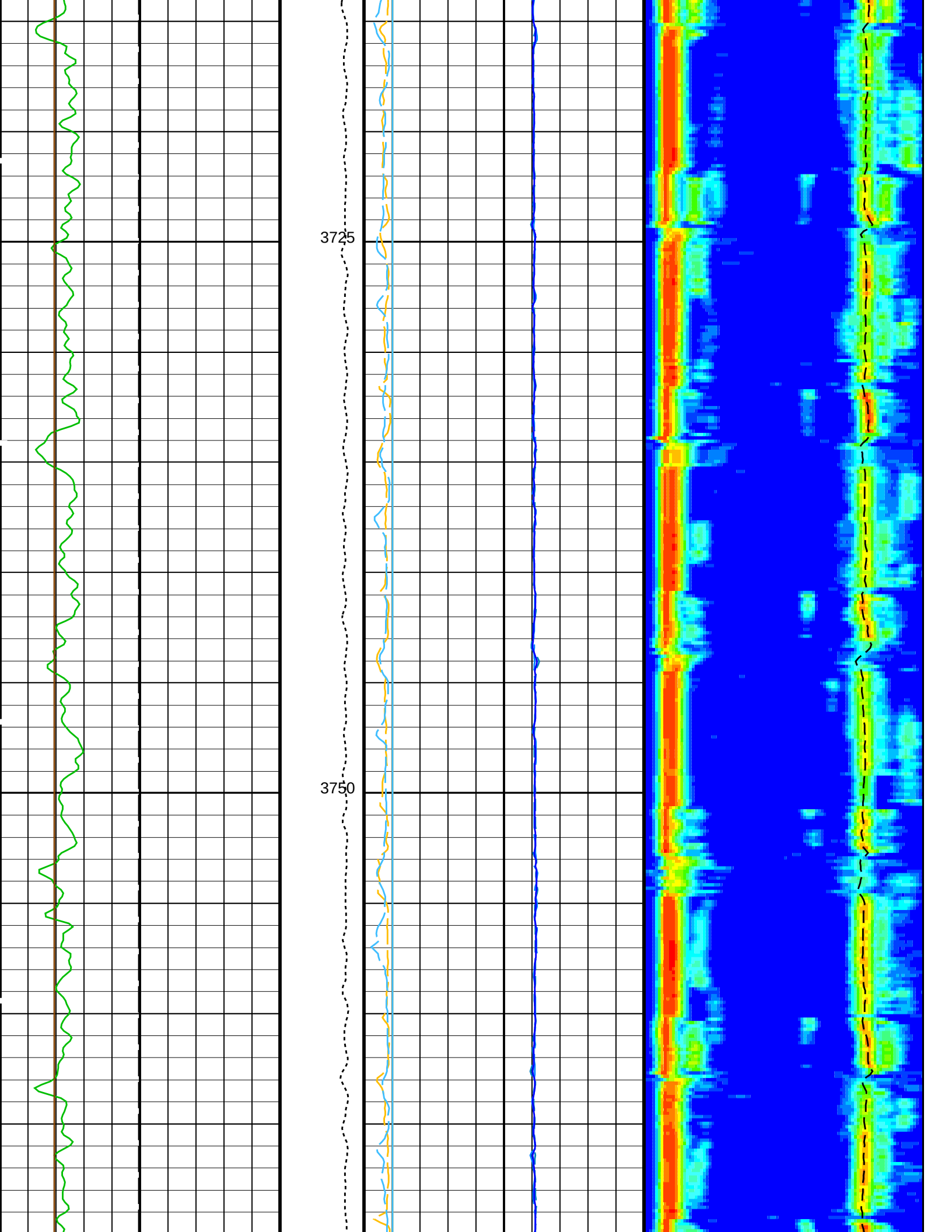
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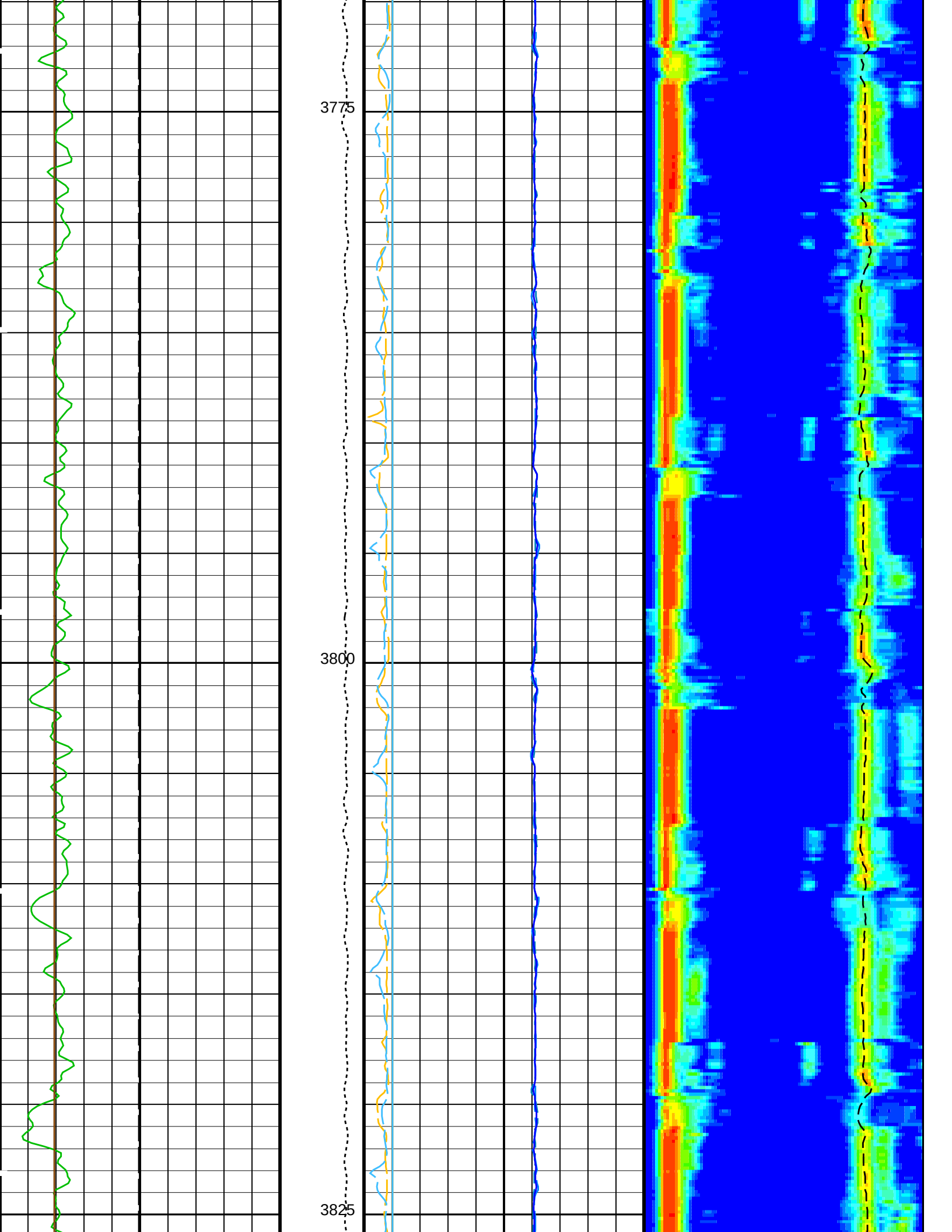
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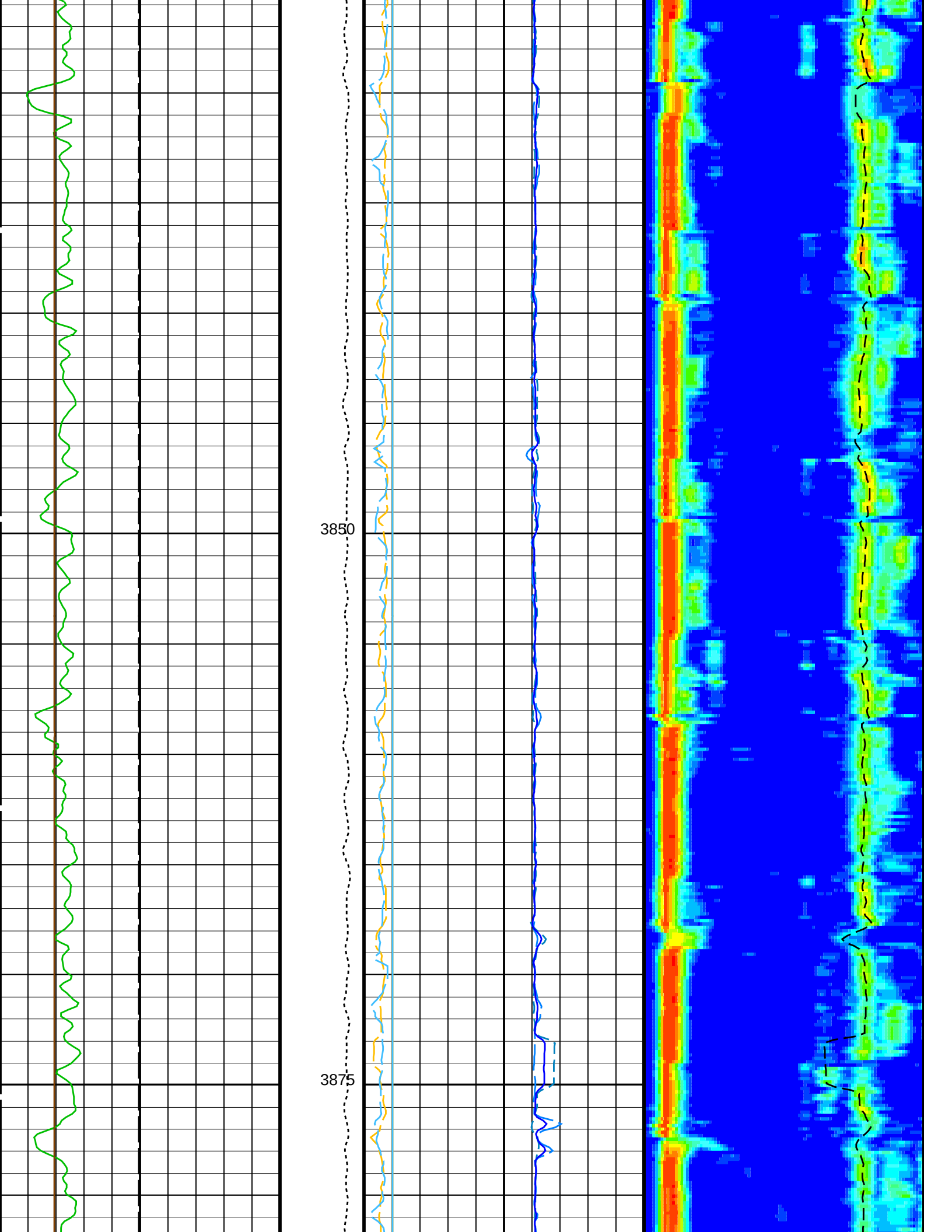
3800
3825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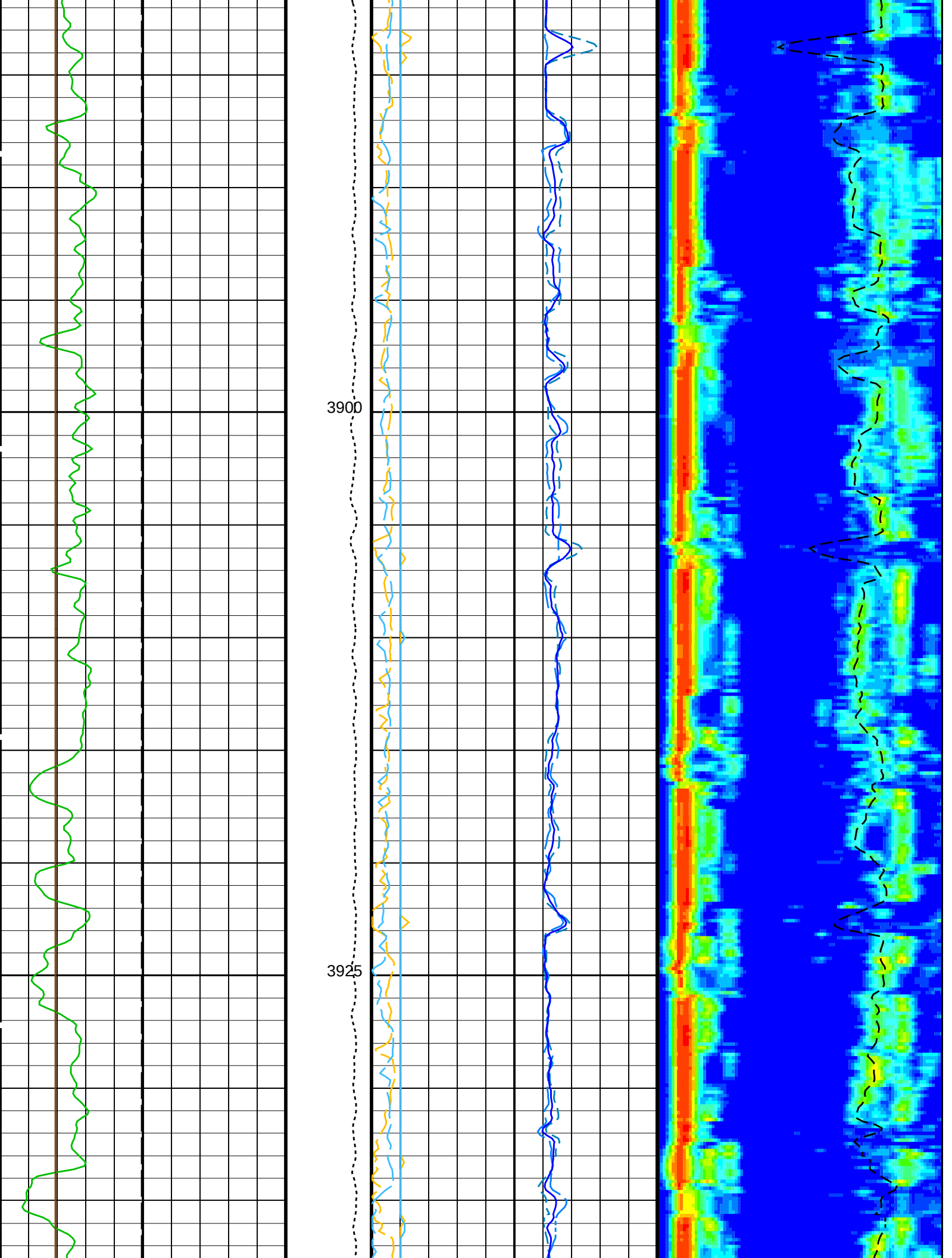
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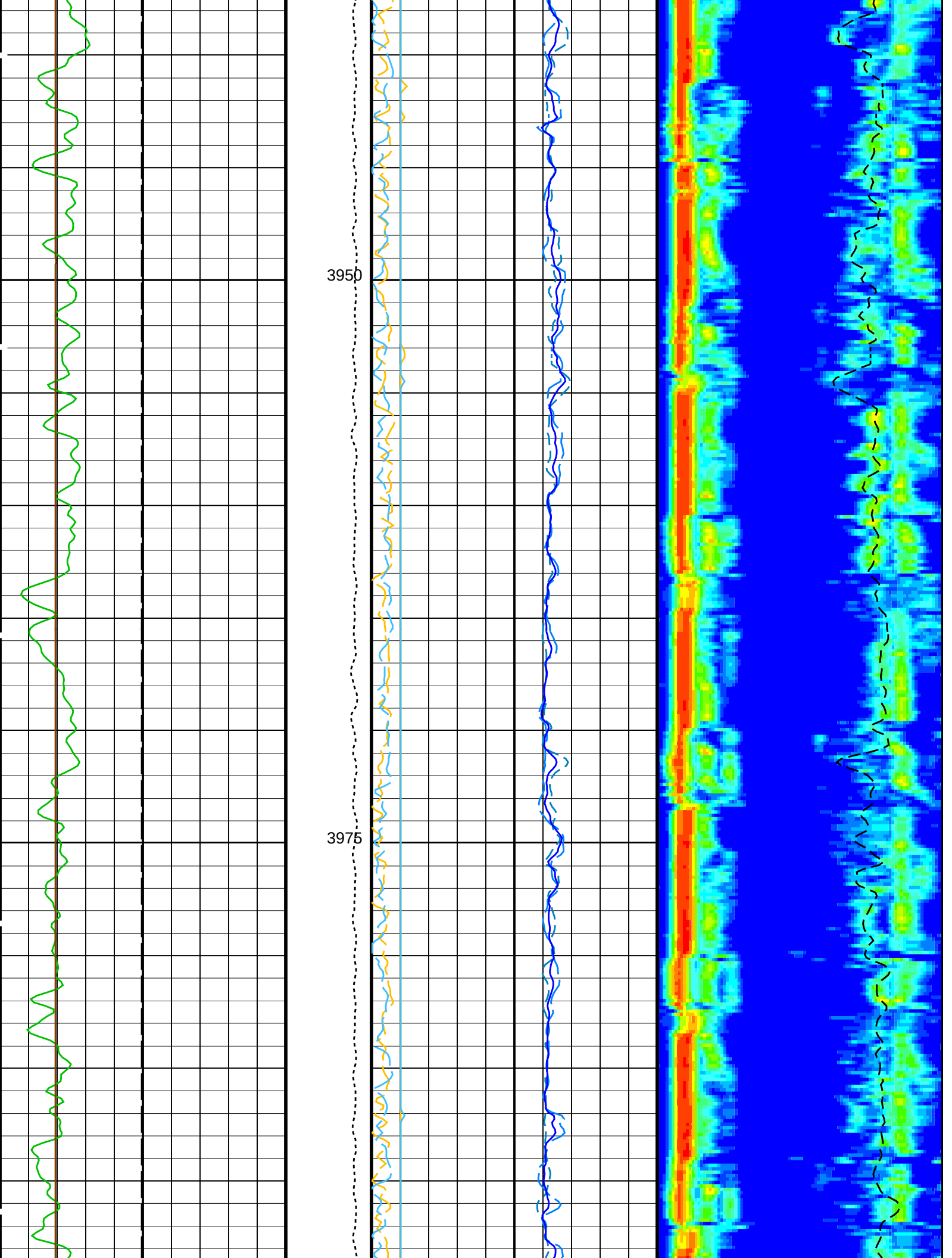
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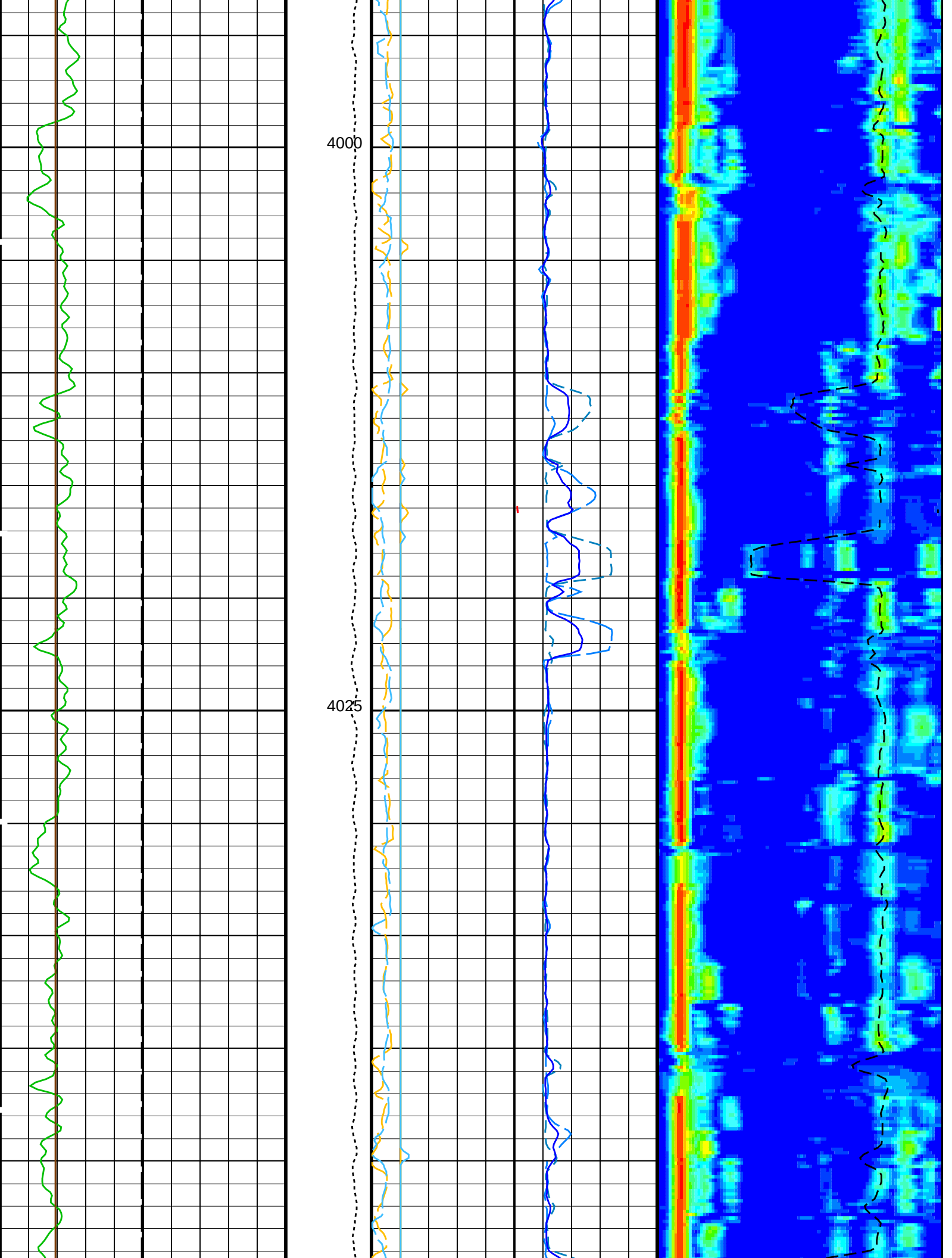
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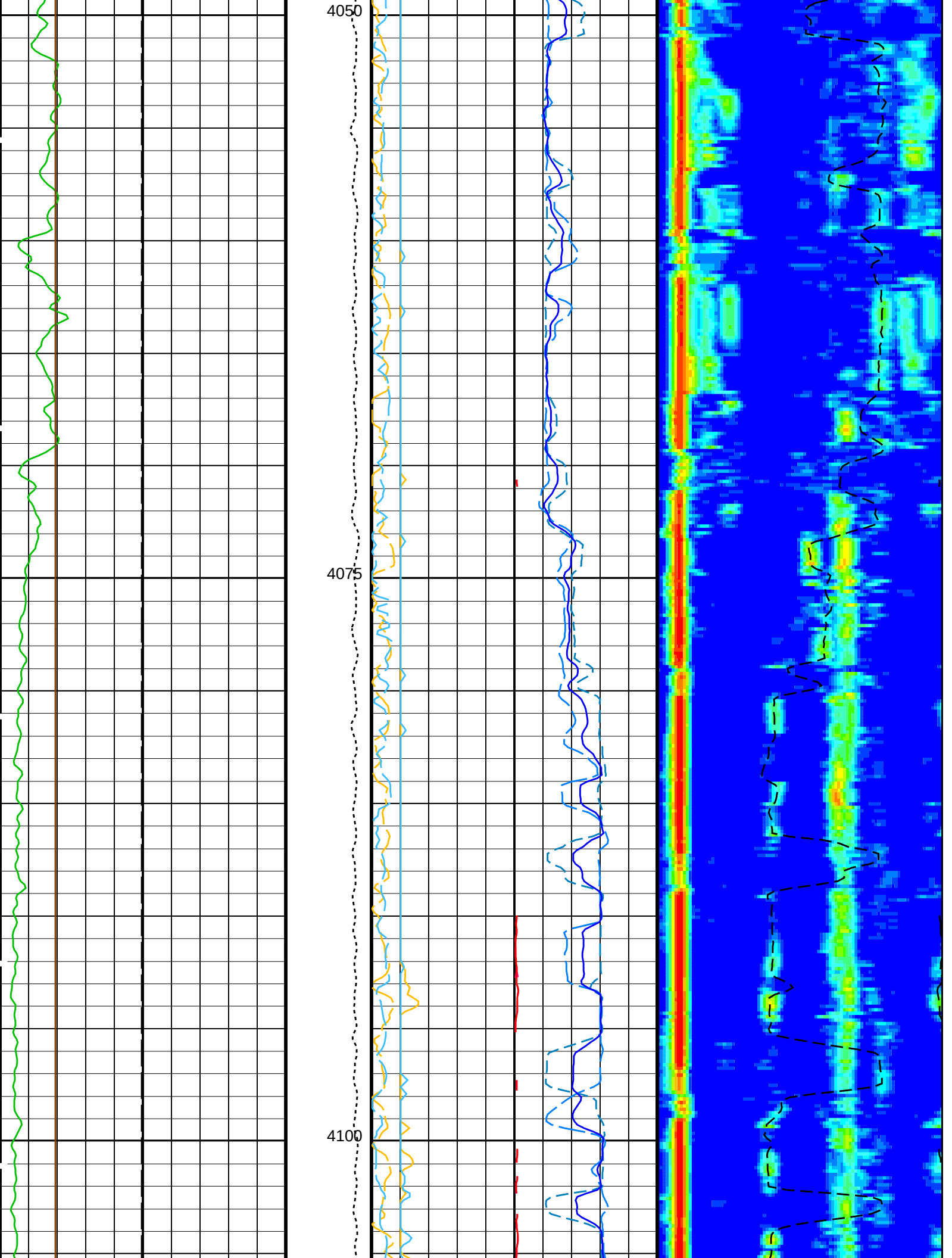
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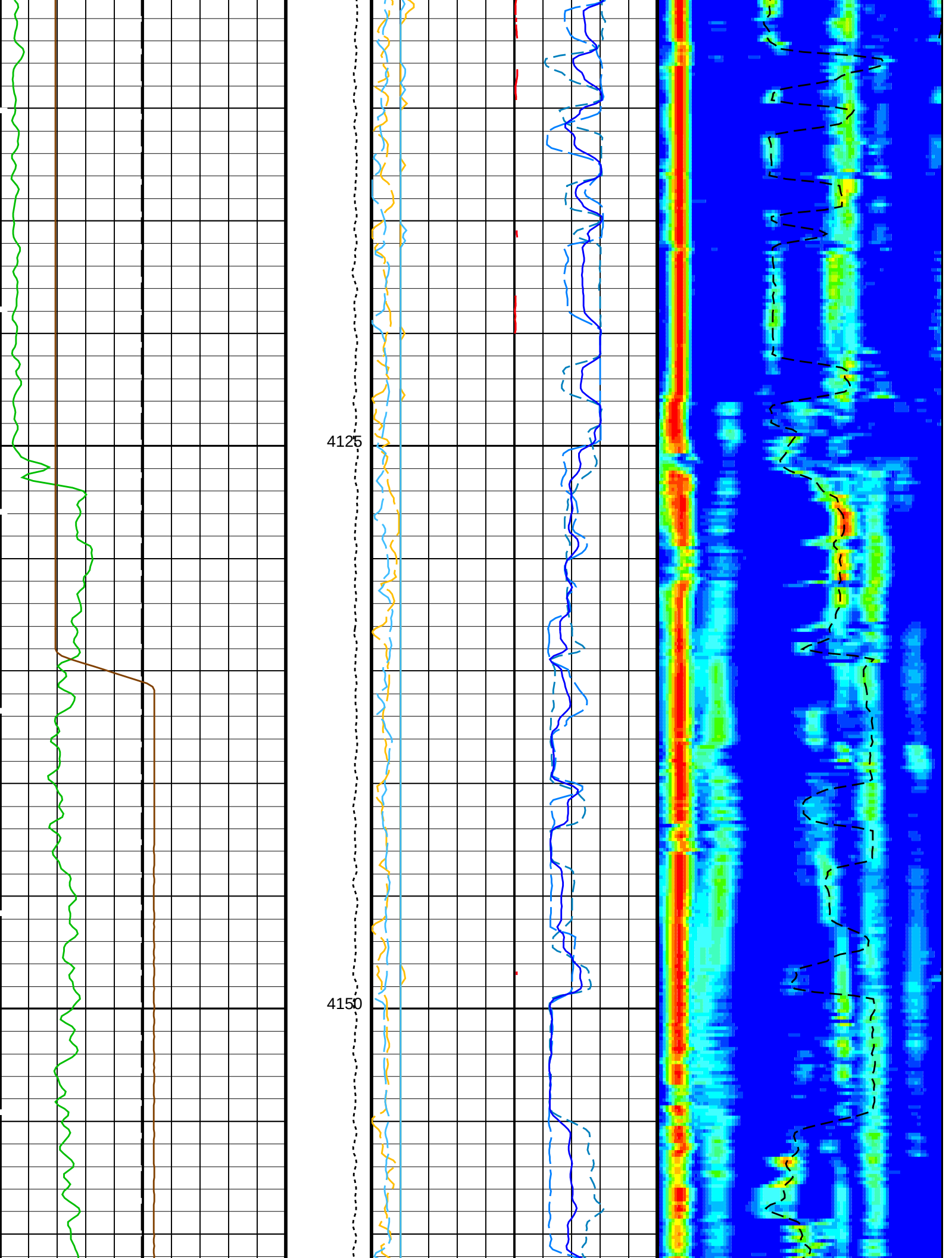
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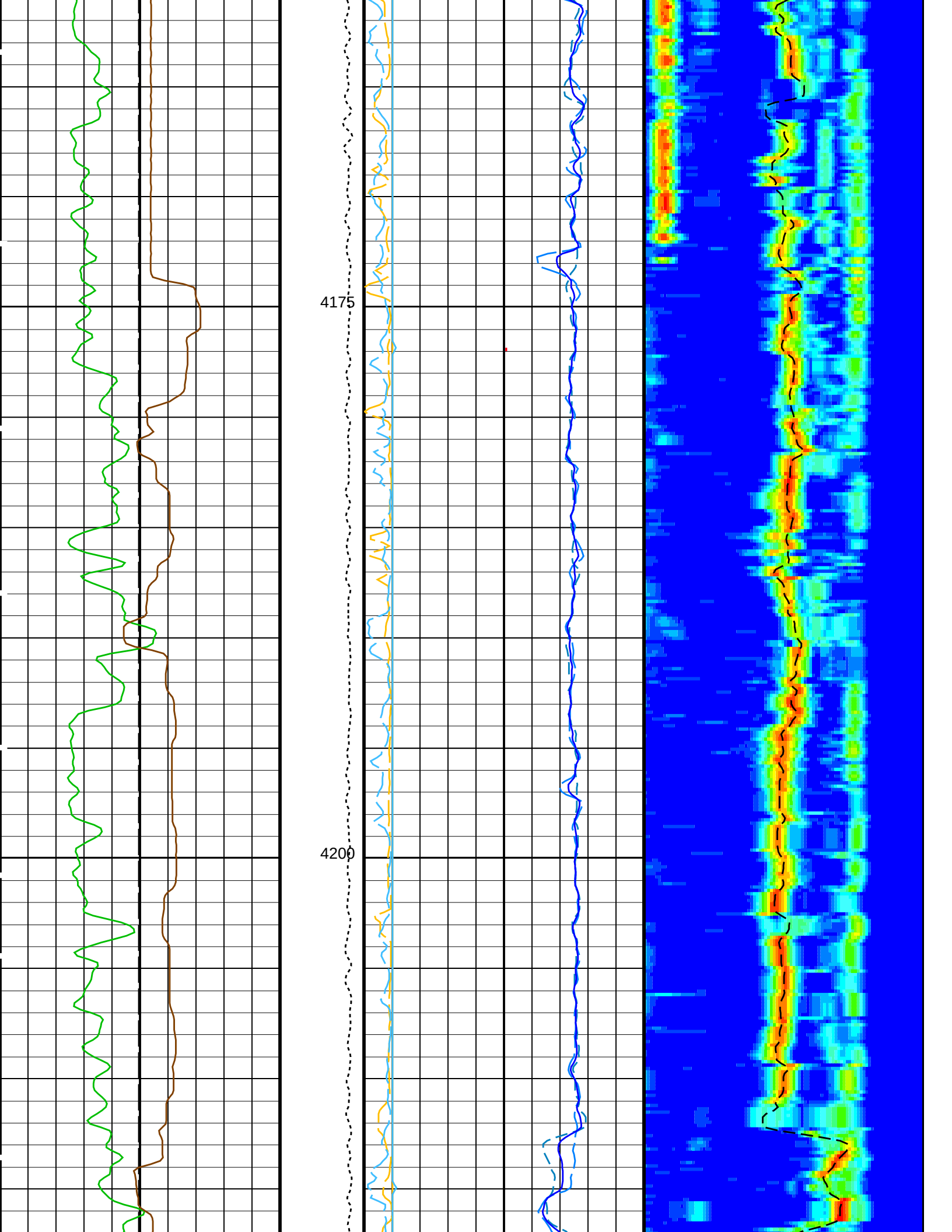
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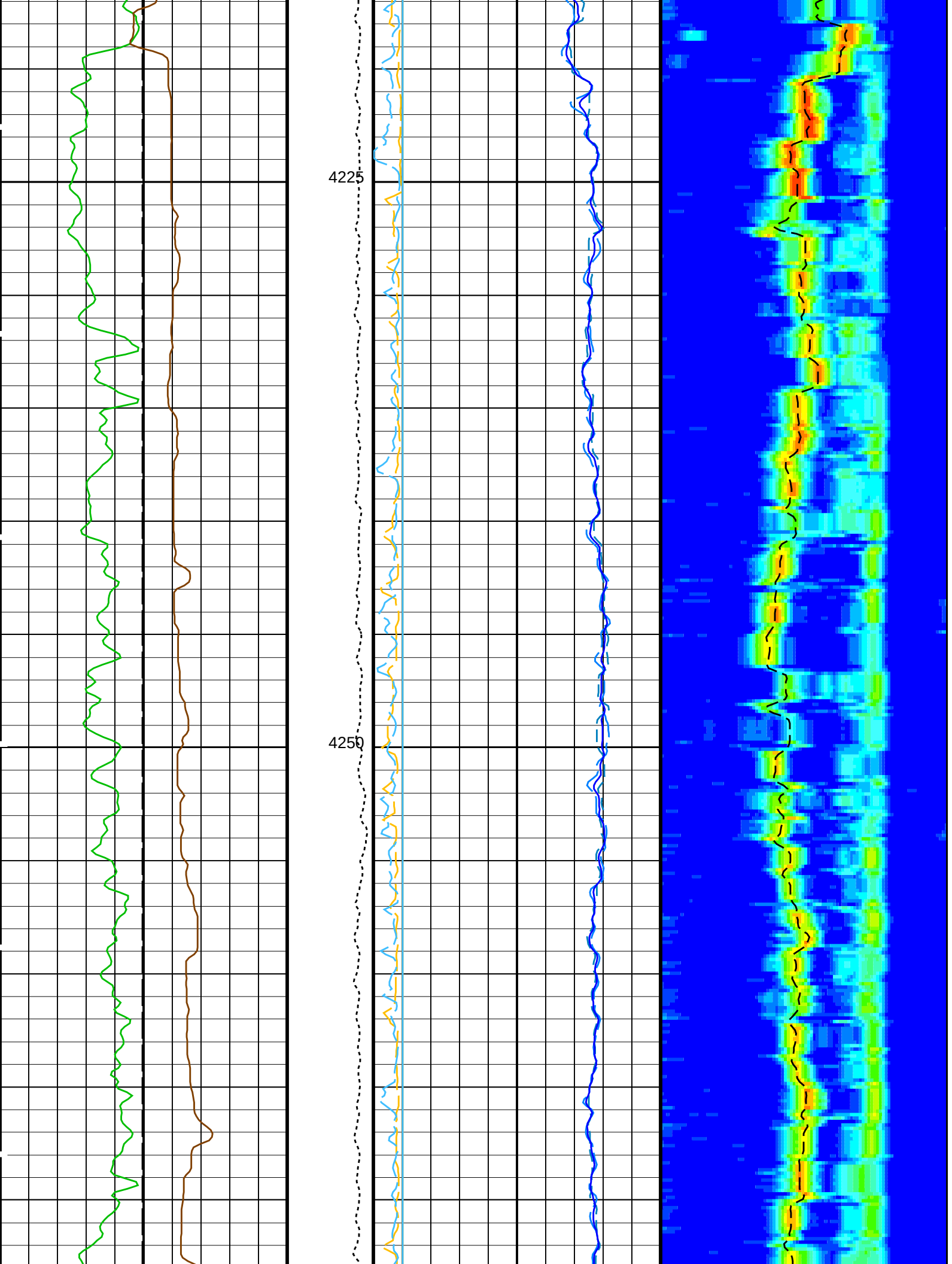
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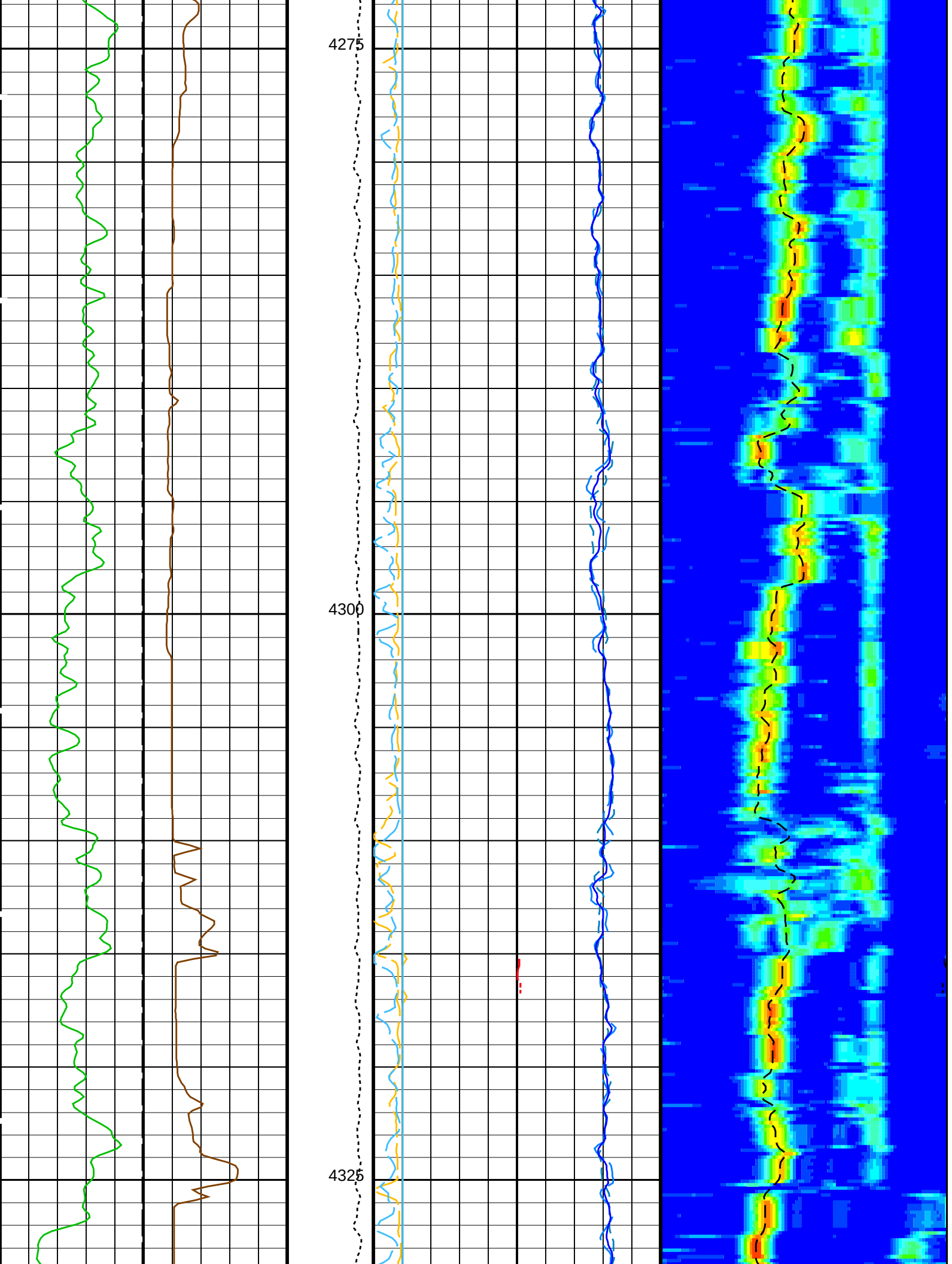
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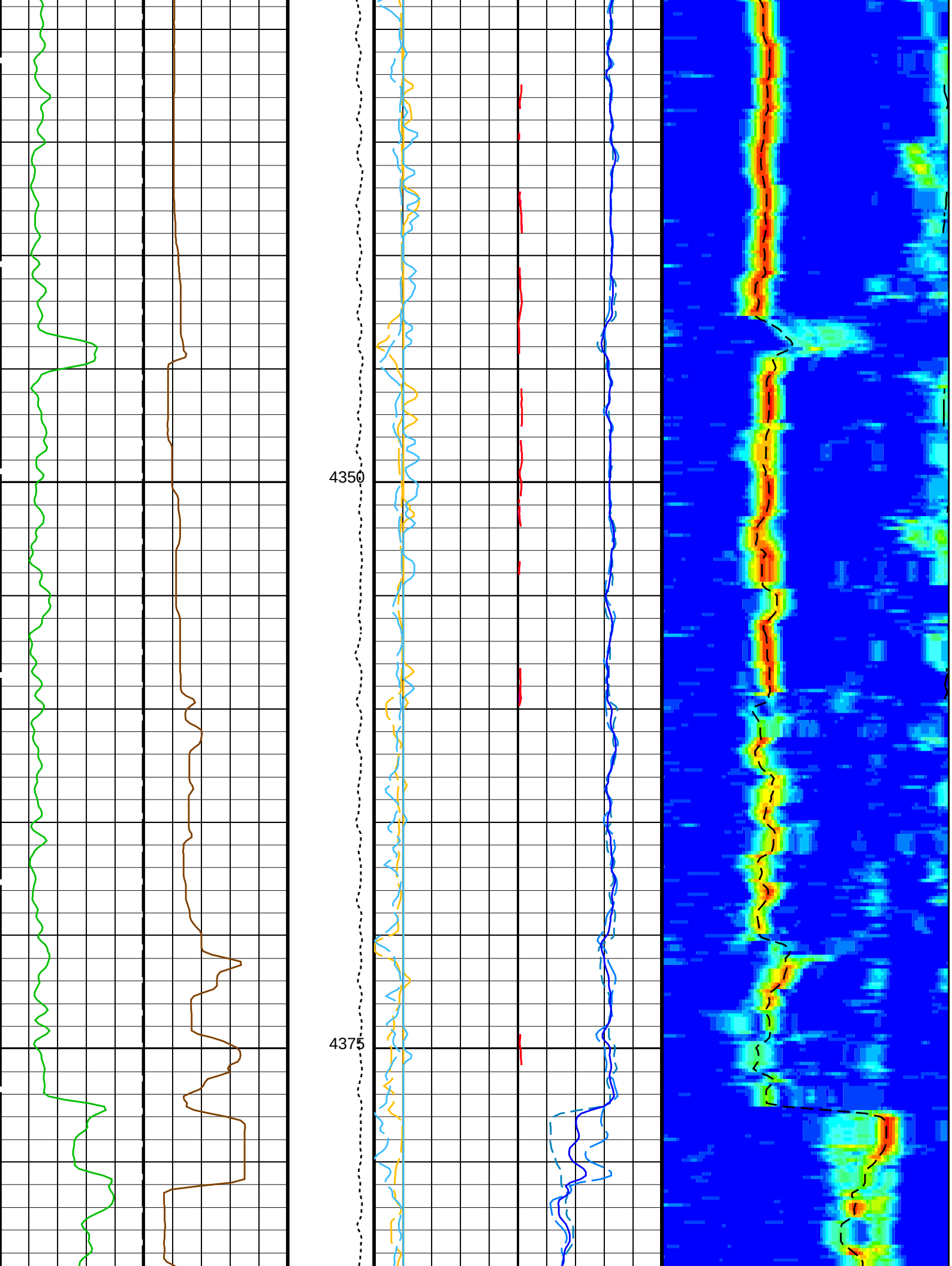
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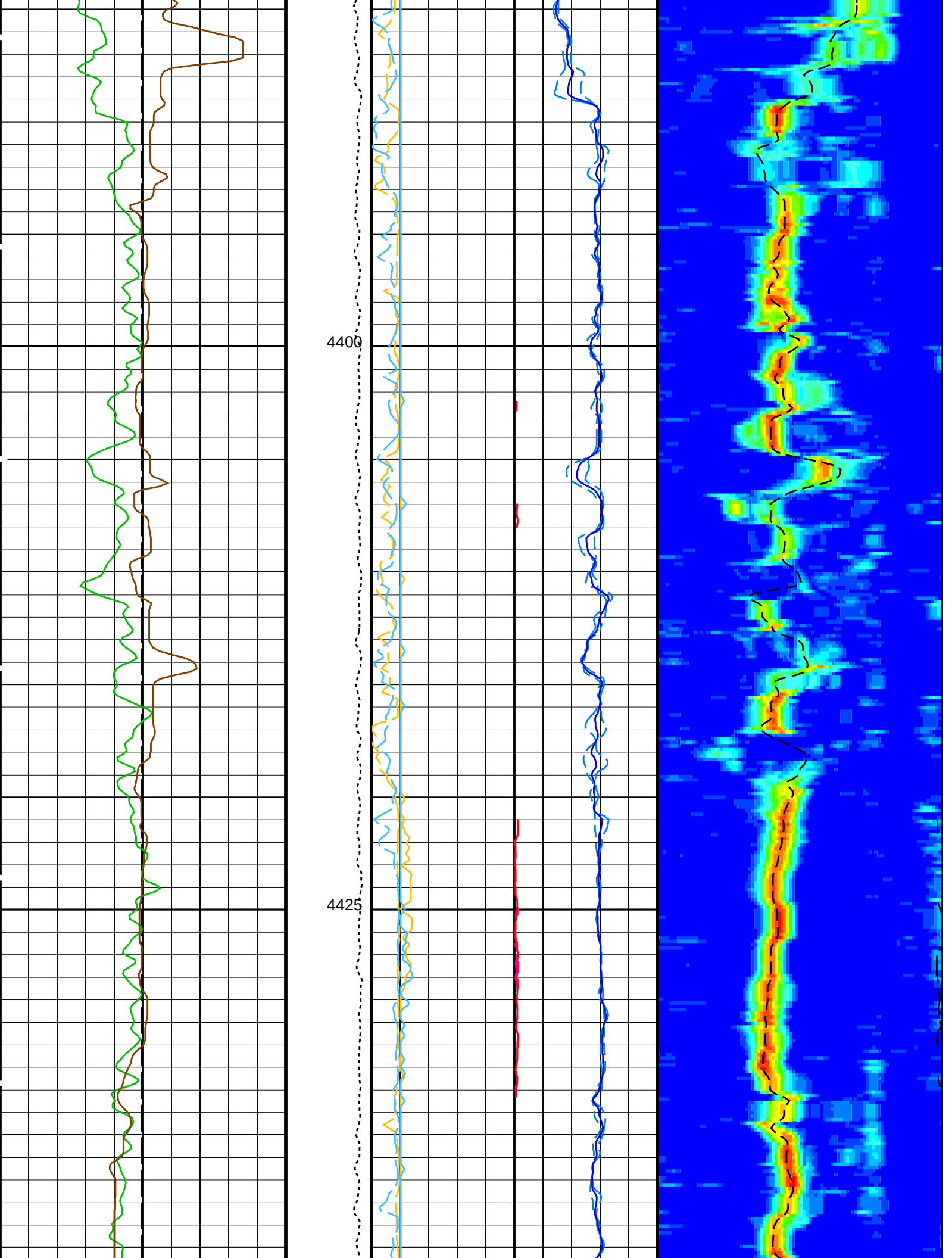
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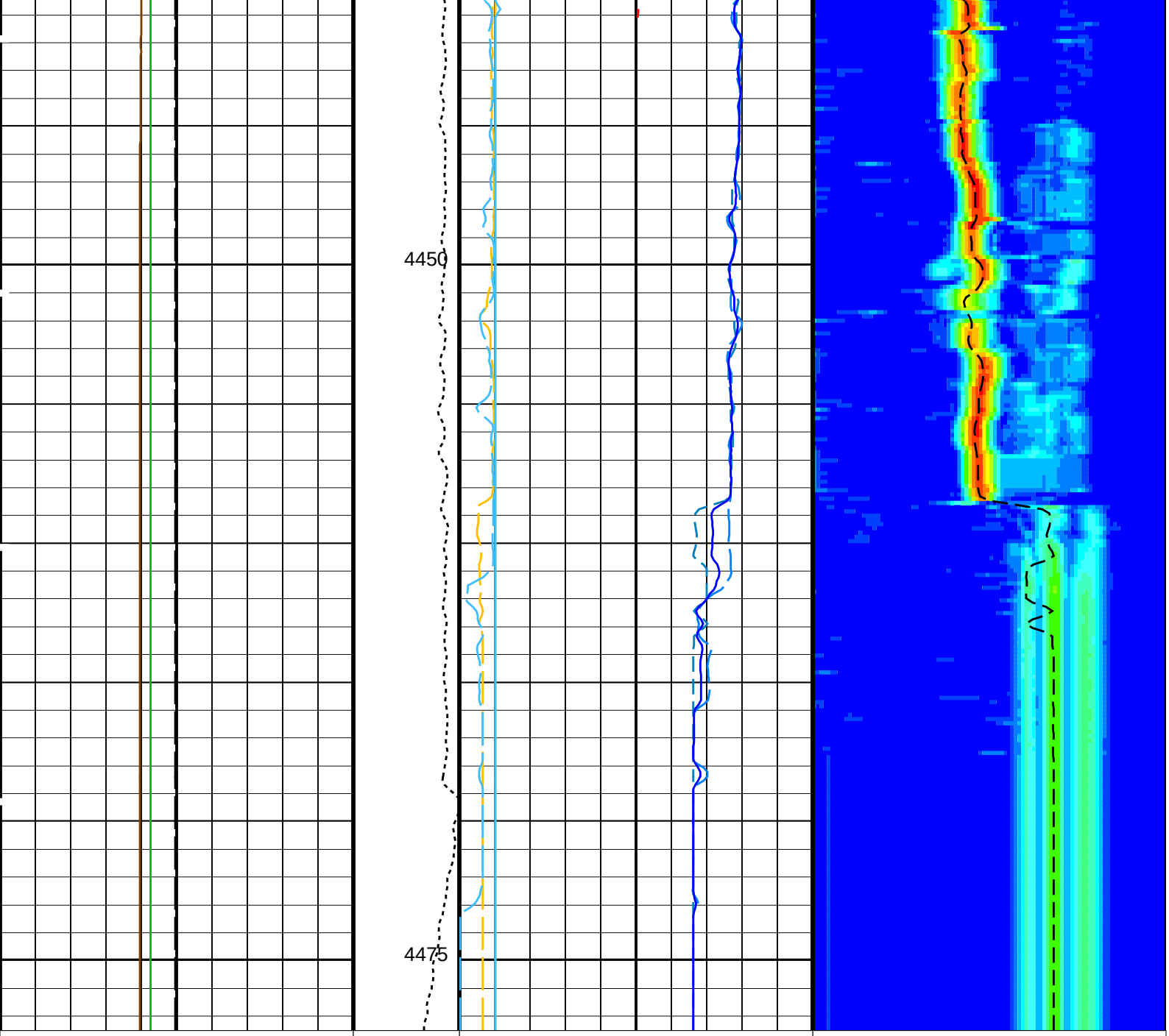
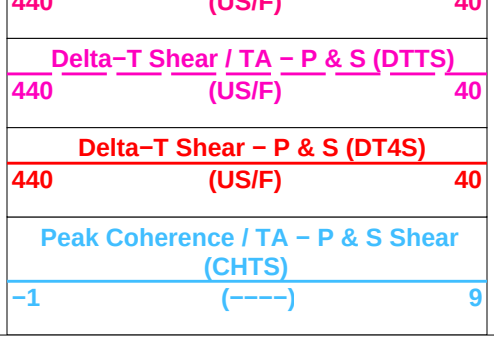


Bit Size (BS) 0 (IN) 20	Tension (TENS) (LBF) 0 7500	Peak Coherence / RA − P & S Comp (CHRP) 0 (−−−−) 10
Gamma Ray (GR_EDTC) 0 (GAPI) 150		Peak Coherence / TA − P & S Comp (CHTP) 0 (−−−−) 10
HLDS Caliper (LCAL) 0 (IN) 20		Peak Coherence / RA − P & S Shear (CHRS) −1 (−−−−) 9
		Delta−T Comp / RA − P & S (DTRP) 440 (US/F) 40
		Delta−T Comp / TA − P & S (DTTP) 440 (US/F) 40
		Delta−T Comp − P & S (DT4P) 440 (US/F) 40
		Delta−T Shear / RA − P & S (DTRS) 440 (US/F) 40

Delta−T Comp / RA − P & S (DTRP) 40 (US/F) 240
Delta−T Shear / RA − P & S (DTRS) 40 (US/F) 240
Min Amplitude Max Rec.Array P&S Slow Proj. CVDL (SPR4) 40 (US/F) 240



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
BHS	Borehole Status	OPEN	
CASF	Label Casing Function − Monopole P&S	50	
COLL	Label Slowness Lower Limit − Monopole P&S Compressional	100	US/F
COUL	Label Slowness Upper Limit − Monopole P&S Compressional	209	US/F
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTF	Delta−T Fluid	210	US/F
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control − Monopole P&S	COMP	
LFC	Label Formation Character − Monopole P&S	COMP_FIRST	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI4	Number Waveform Items 4	8	
NWIX	Number Waveform Items X	0	
RSMN	Label Shear/Compressional Minimum Ratio − Monopole P&S	1.4	
RSMX	Label Shear/Compressional Maximum Ratio − Monopole P&S	2.12	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM4	DSST Sonic Acquisition Mode 4 − Monopole Mode for P&S	ODD	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS4	STC Sonic Array Status − Monopole P&S	255	
SBO4	STC Search Band Offset − Monopole P&S	500	US
SBR4	STC Baseline Removal − Monopole P&S	ON	
SBW4	STC Search Bandwidth − Monopole P&S	2000	US
SFC4	STC Formation Character − Monopole P&S	SELECTABLE	
SFM4	STC Filter − Monopole P&S	B3−20K	
SHLL	Label Slowness Lower Limit − Monopole P&S Shear	235	US/F
SHUL	Label Slowness Upper Limit − Monopole P&S Shear	240	US/F
SLL4	STC Slowness Lower Limit − Monopole P&S	40	US/F
SST4	STC Slowness Step − Monopole P&S	2	US/F
SSW4	STC Source Waveform − Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit − Monopole Stoneley	300	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	1200	US/F
SUL4	STC Slowness Upper Limit − Monopole P&S	240	US/F
SWD4	STC Slowness Width − Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill − Monopole P&S	300	US
TLL4	STC Time Lower Limit − Monopole P&S	150	US
TST4	STC Time Step − Monopole P&S	50	US
TUL4	STC Time Upper Limit − Monopole P&S	3660	US
TWD4	STC Time Width − Monopole P&S	1000	US
TWI4	STC Integration Time Window − Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
	HRLT−B: High Resolution Laterolog Array − B		
BHS	Borehole Status	OPEN	
	EDTC−B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_014LUP	FN:19	PRODUCER	09−Apr−2018 09:38	4477.5 M	3520.6 M

Output DLIS Files

DEFAULT	DSI_HRLA_LDL_021PUP	FN:30	PRODUCER	09−Apr−2018 11:54		
RTB	DSI_HRLA_LDL_021PUP	FN:31	PRODUCER	09−Apr−2018 11:54		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_014LUP	FN:19	PRODUCER	09−Apr−2018 09:38	4477.5 M	3520.6 M

Output DLIS Files

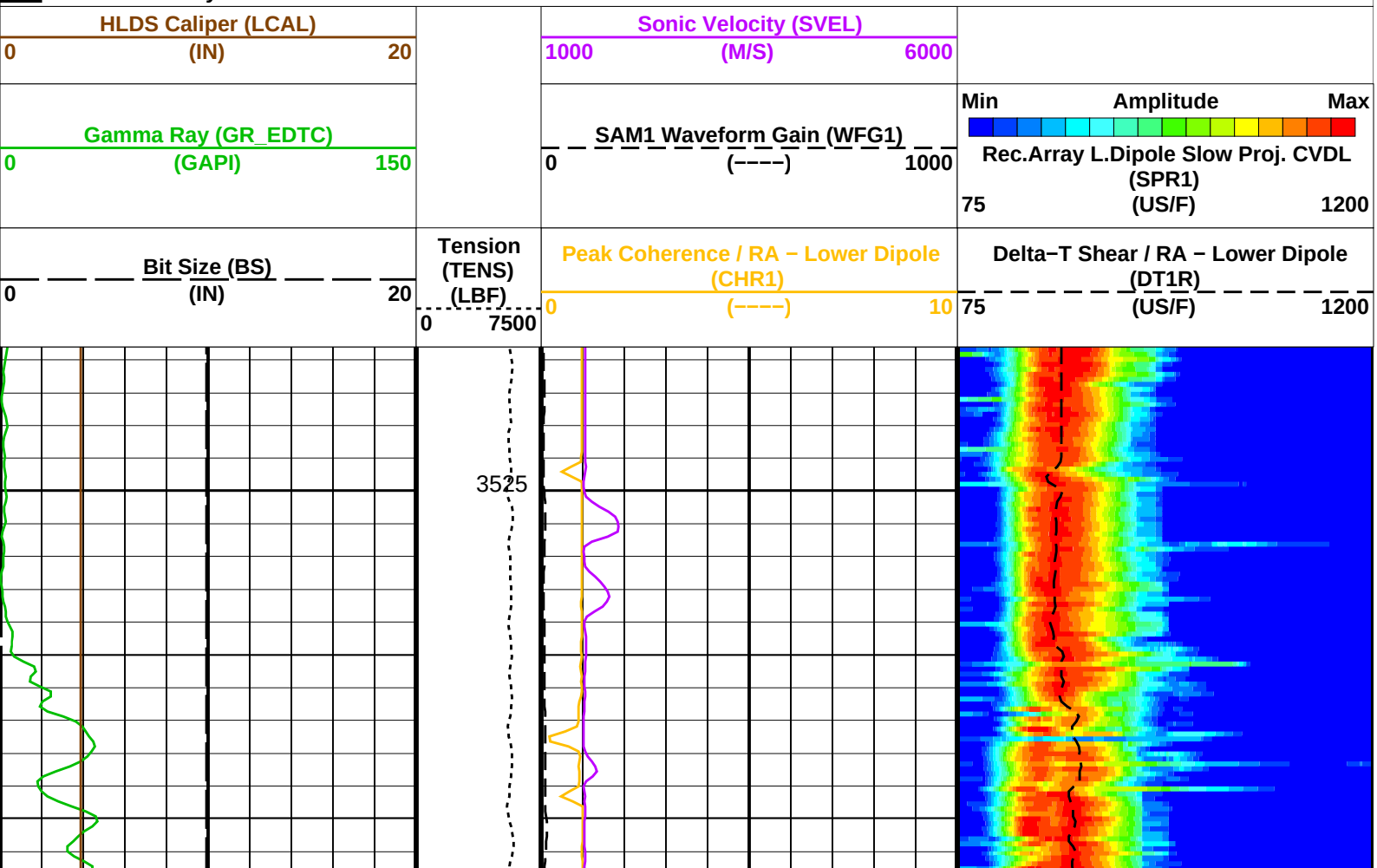
DEFAULT	DSI_HRLA_LDL_021PUP	FN:30	PRODUCER	09−Apr−2018 11:54	4477.5 M	3520.6 M
RTB	DSI_HRLA_LDL_021PUP	FN:31	PRODUCER	09−Apr−2018 11:54	4477.5 M	3520.6 M

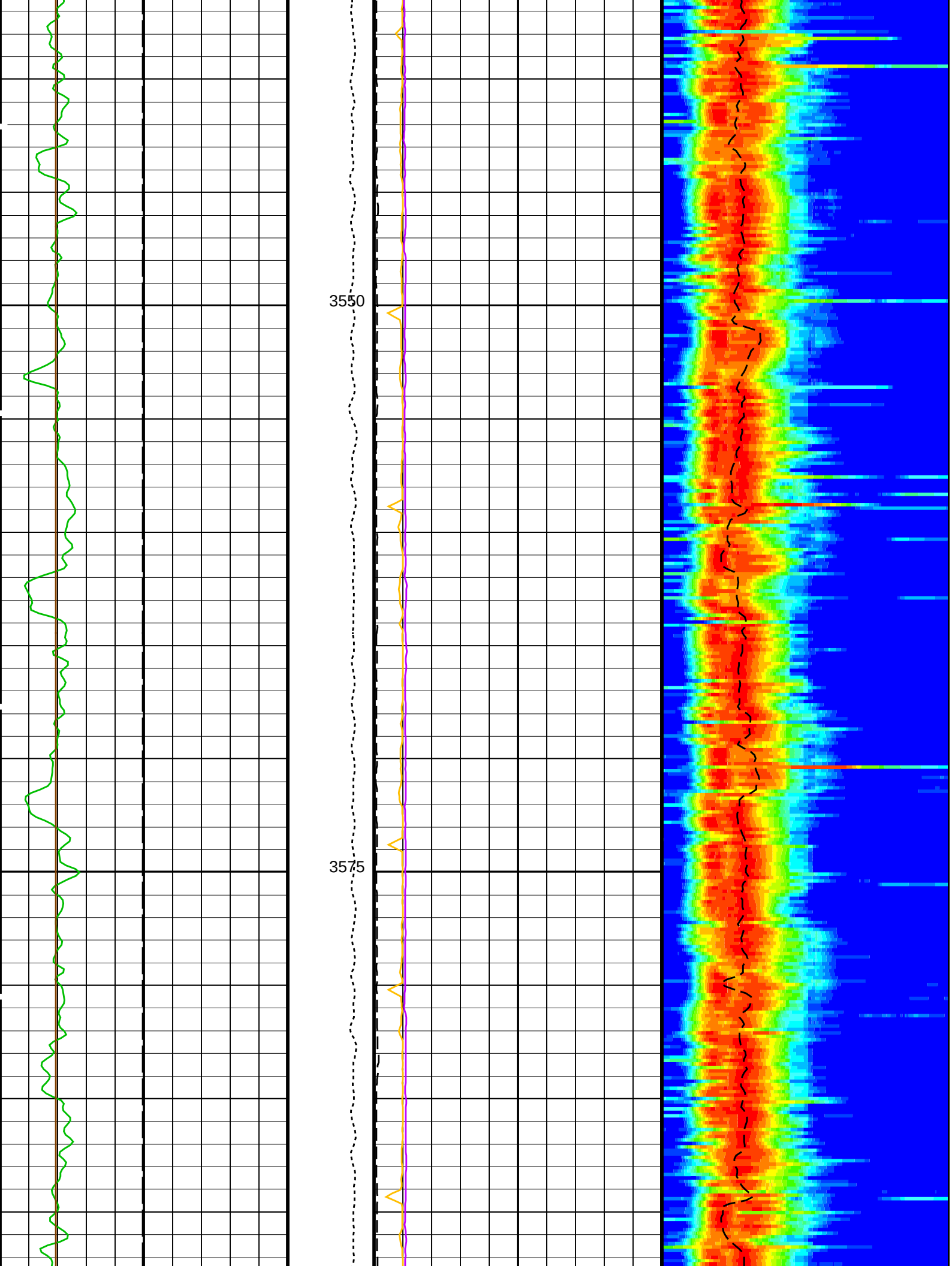
OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

PIP SUMMARY

Time Mark Every 60 S




3550
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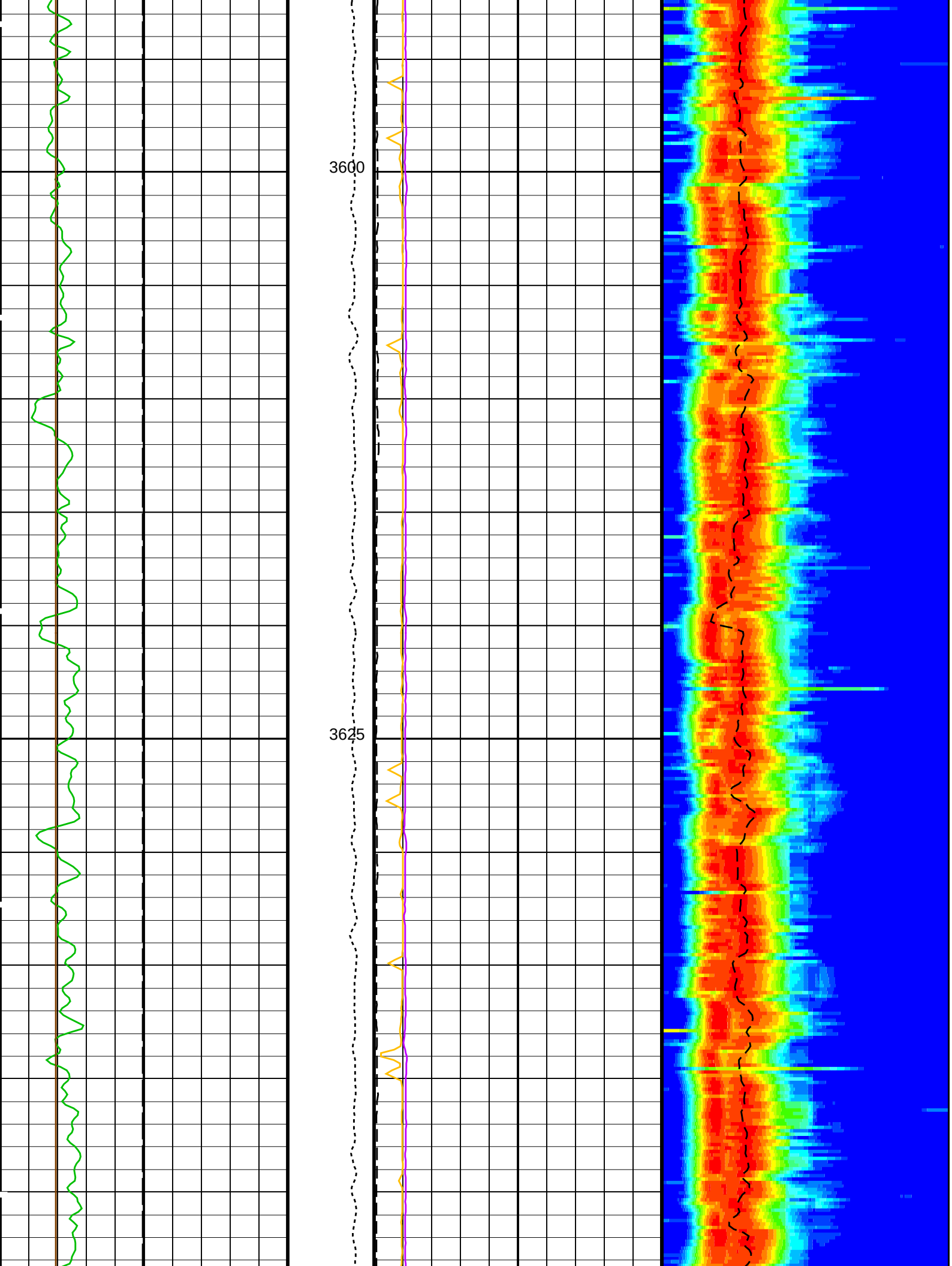
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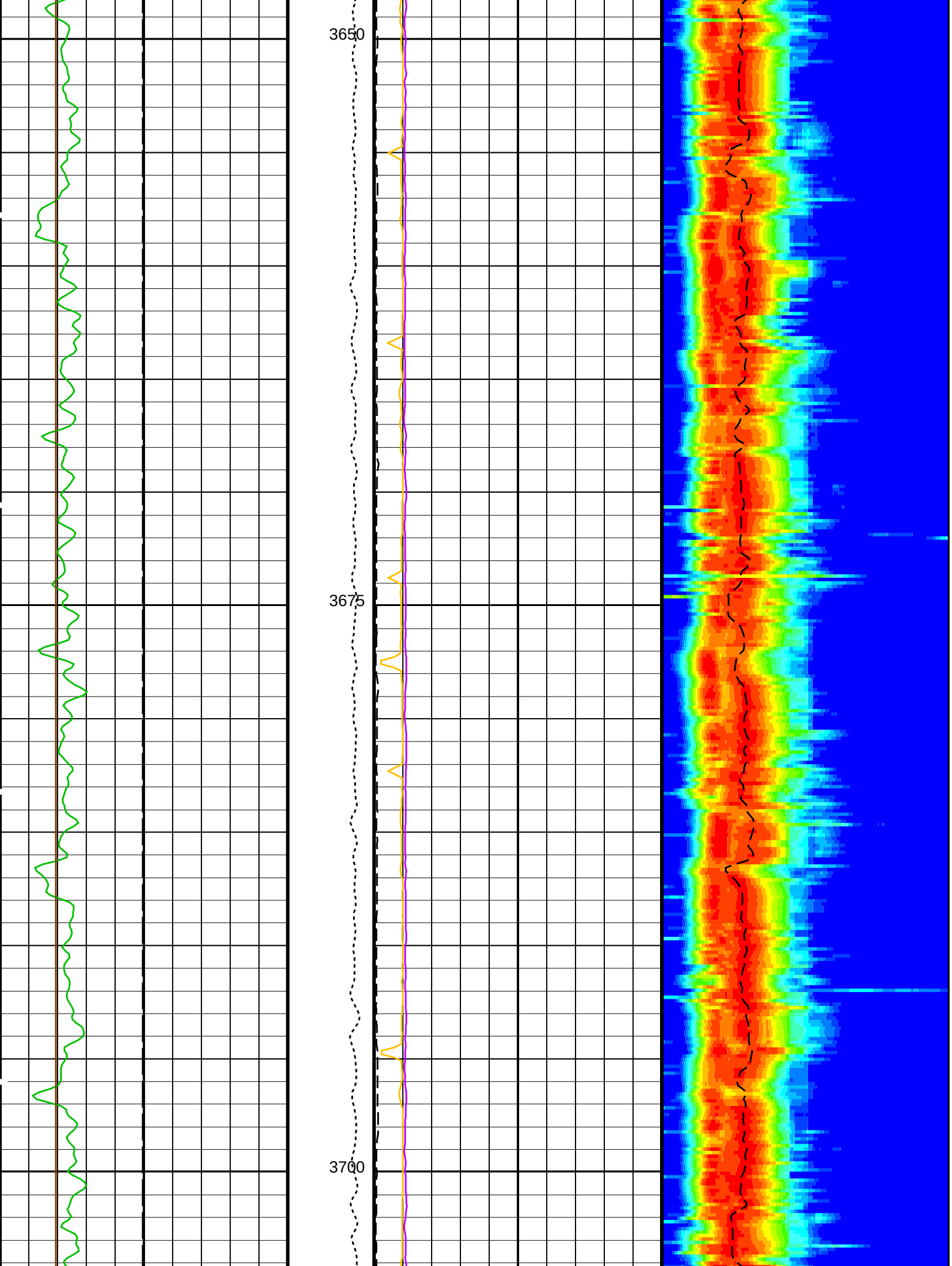
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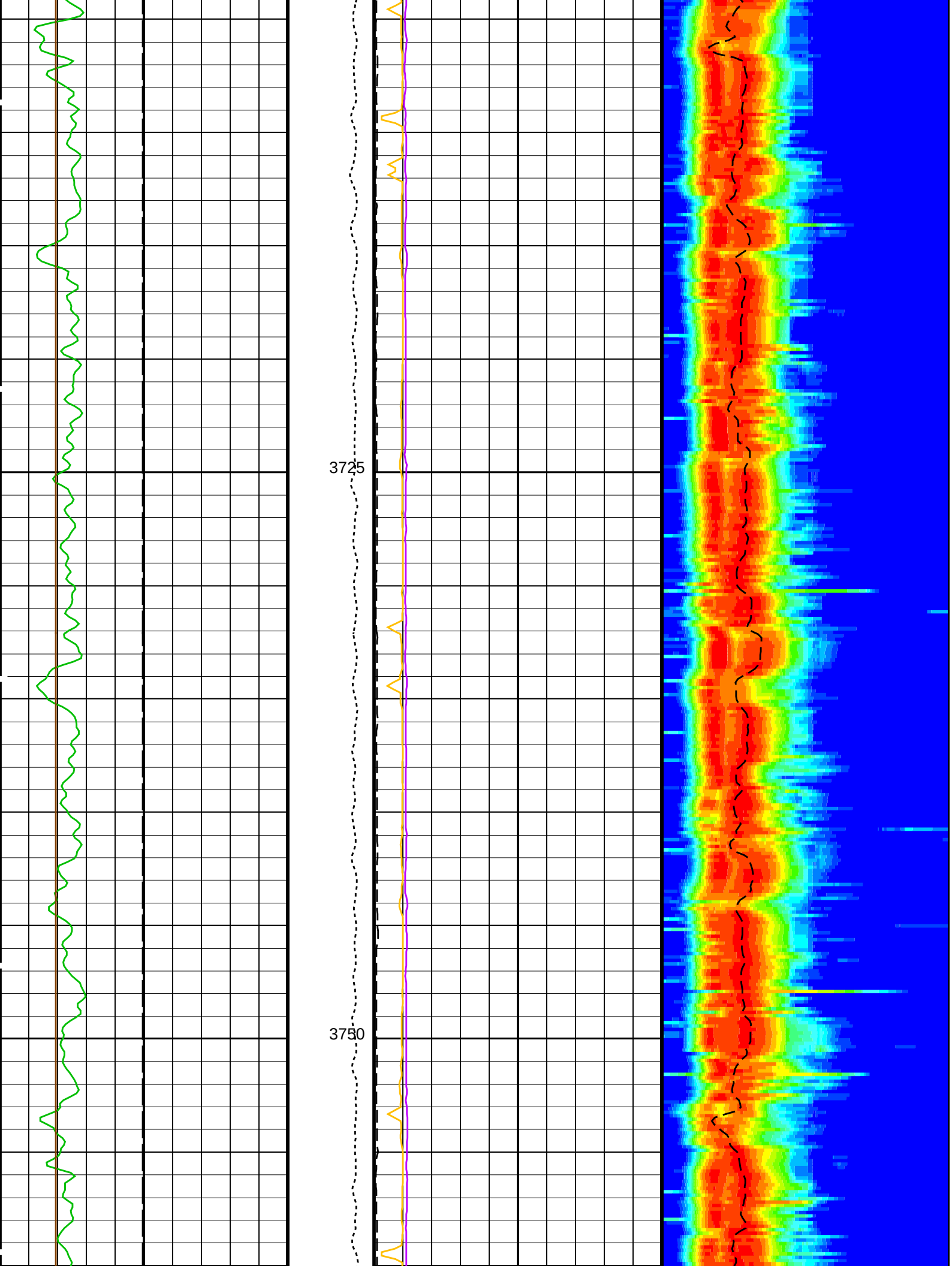
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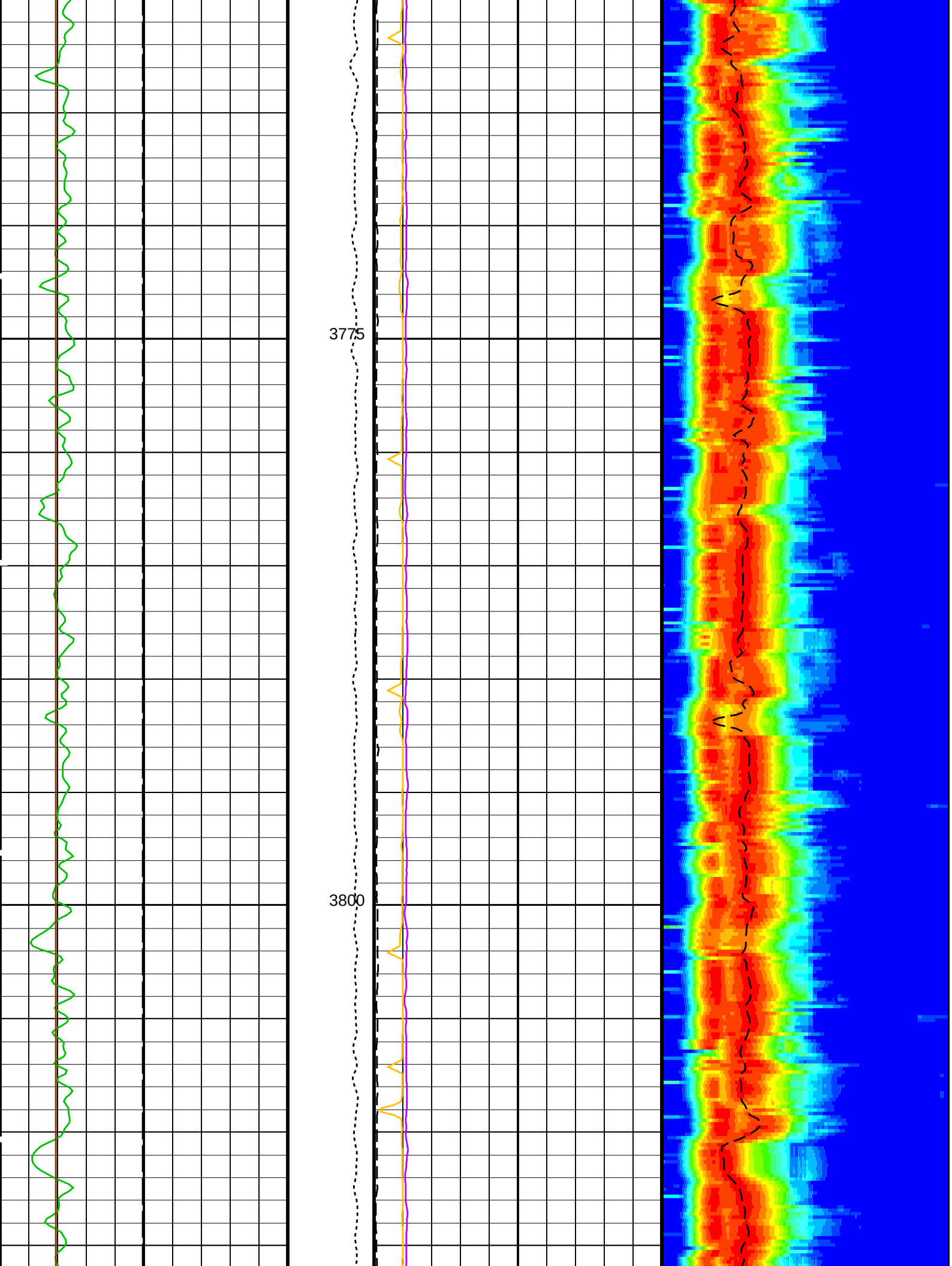
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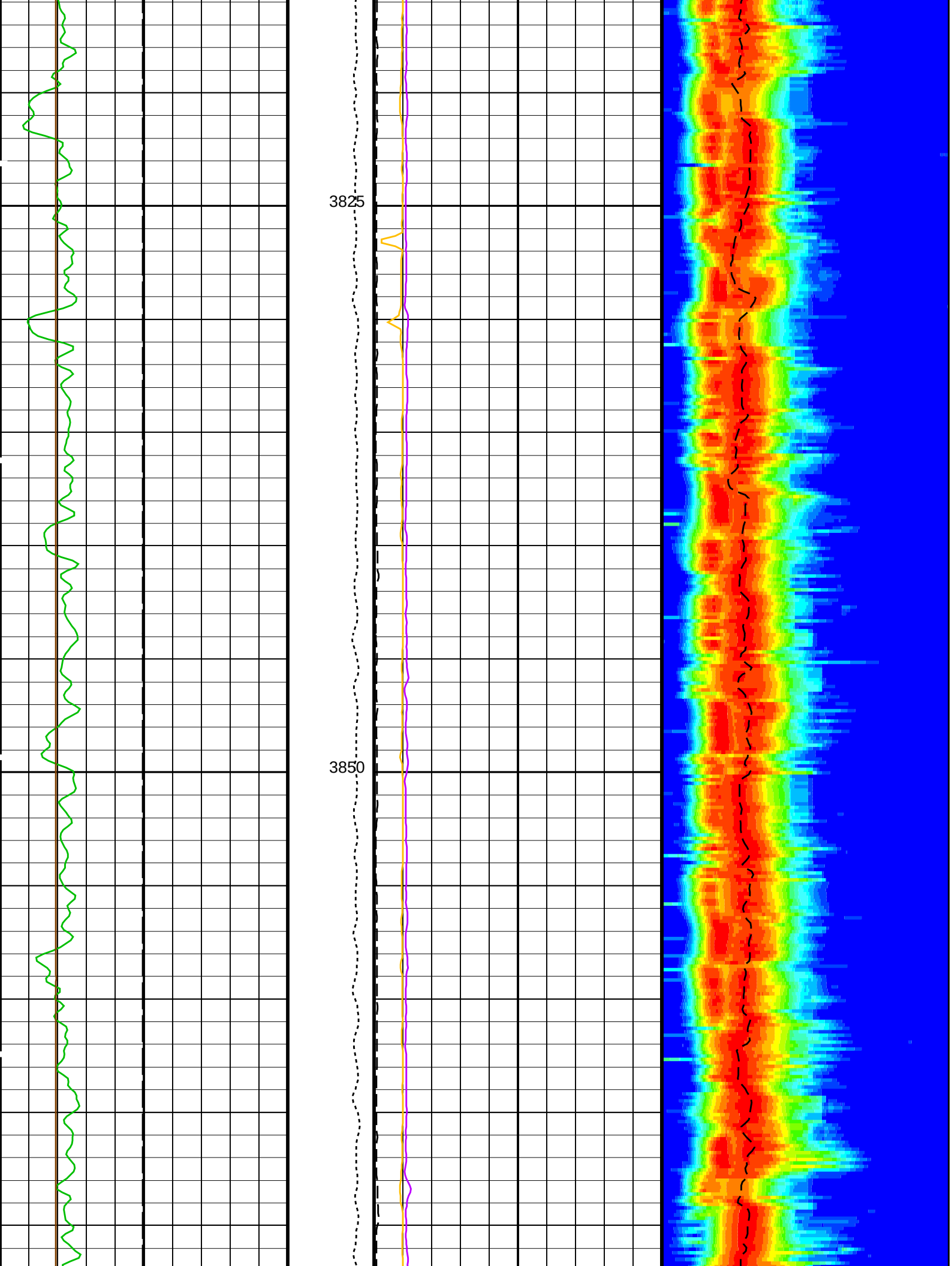
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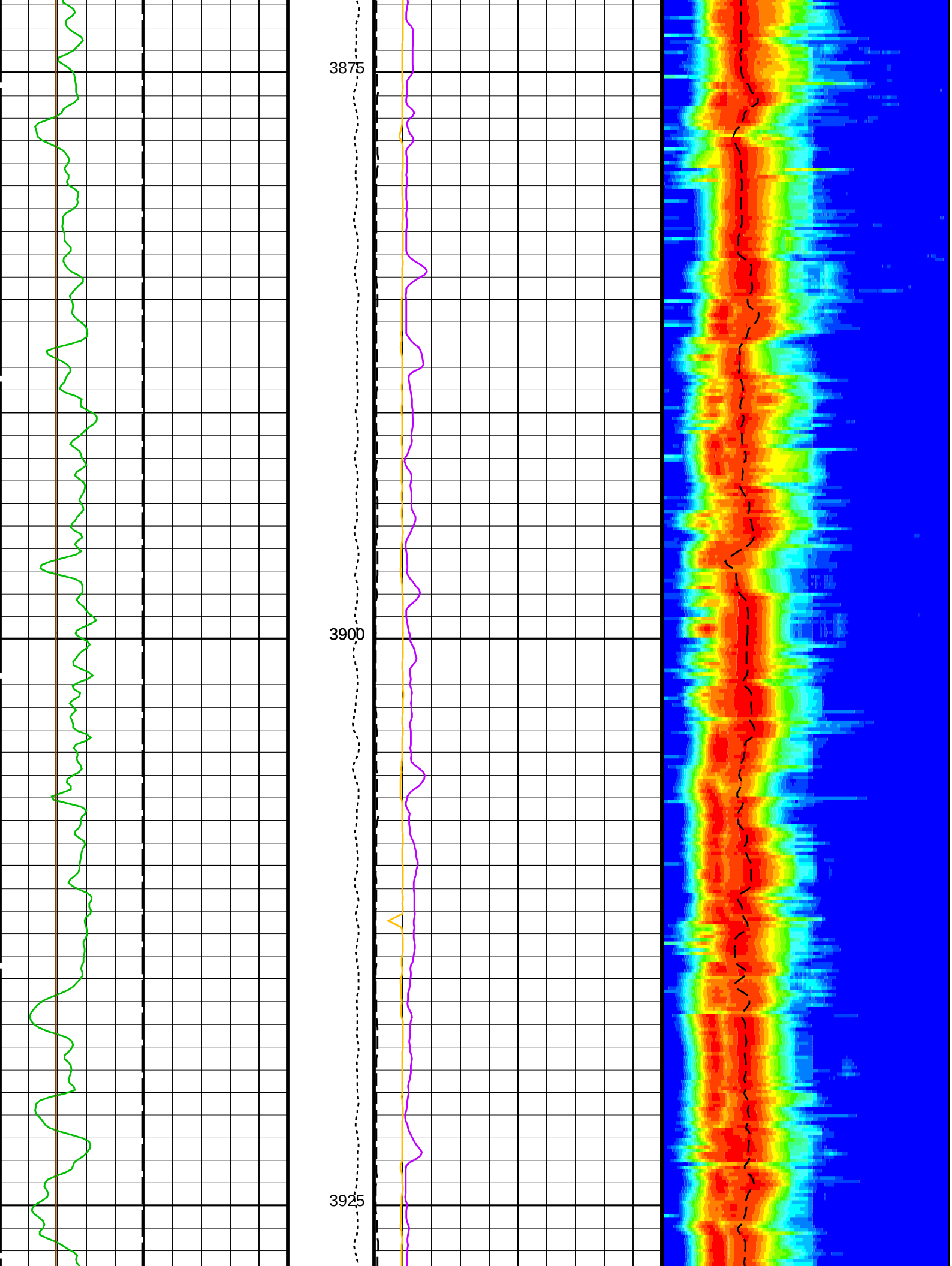
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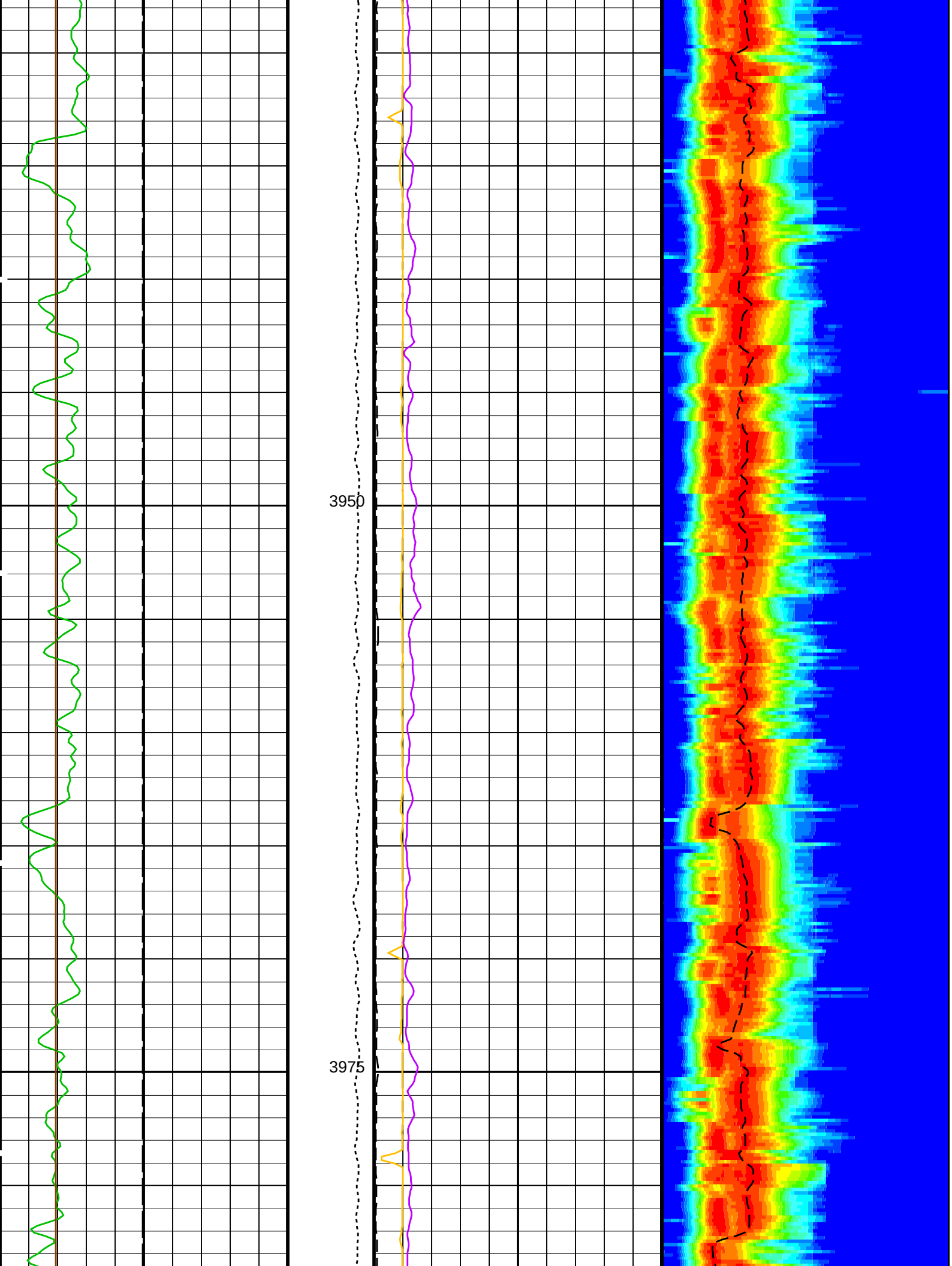
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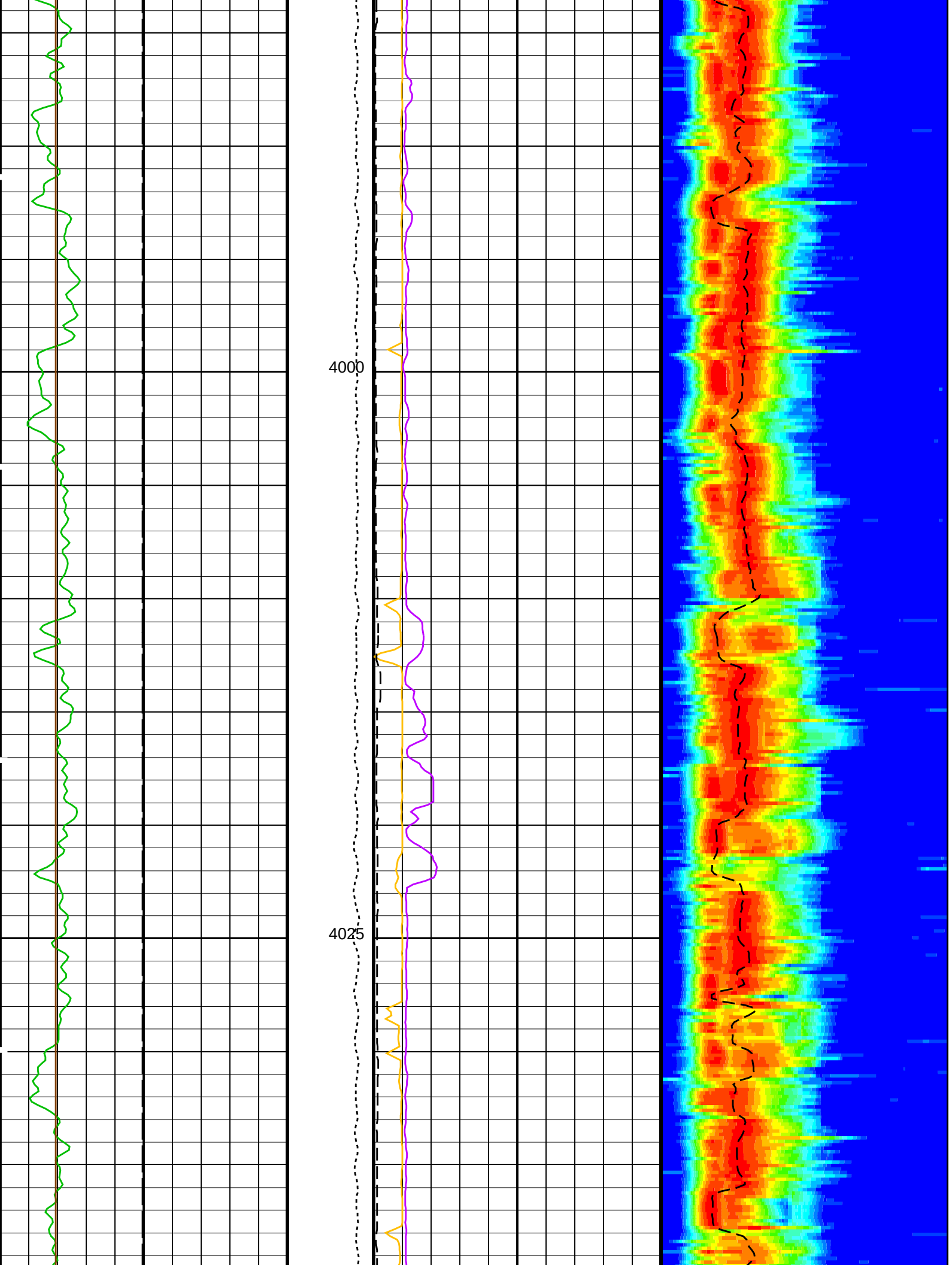
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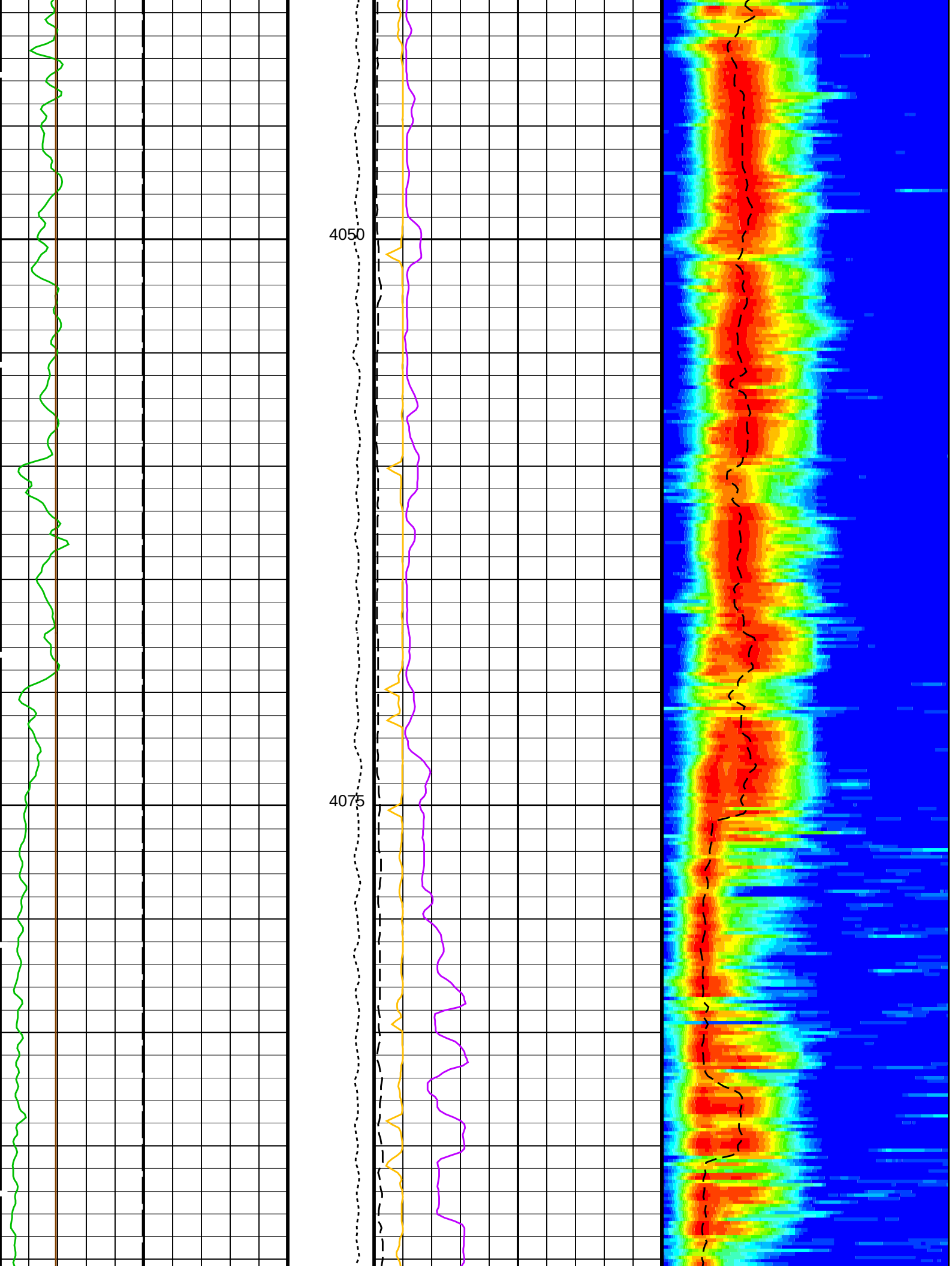
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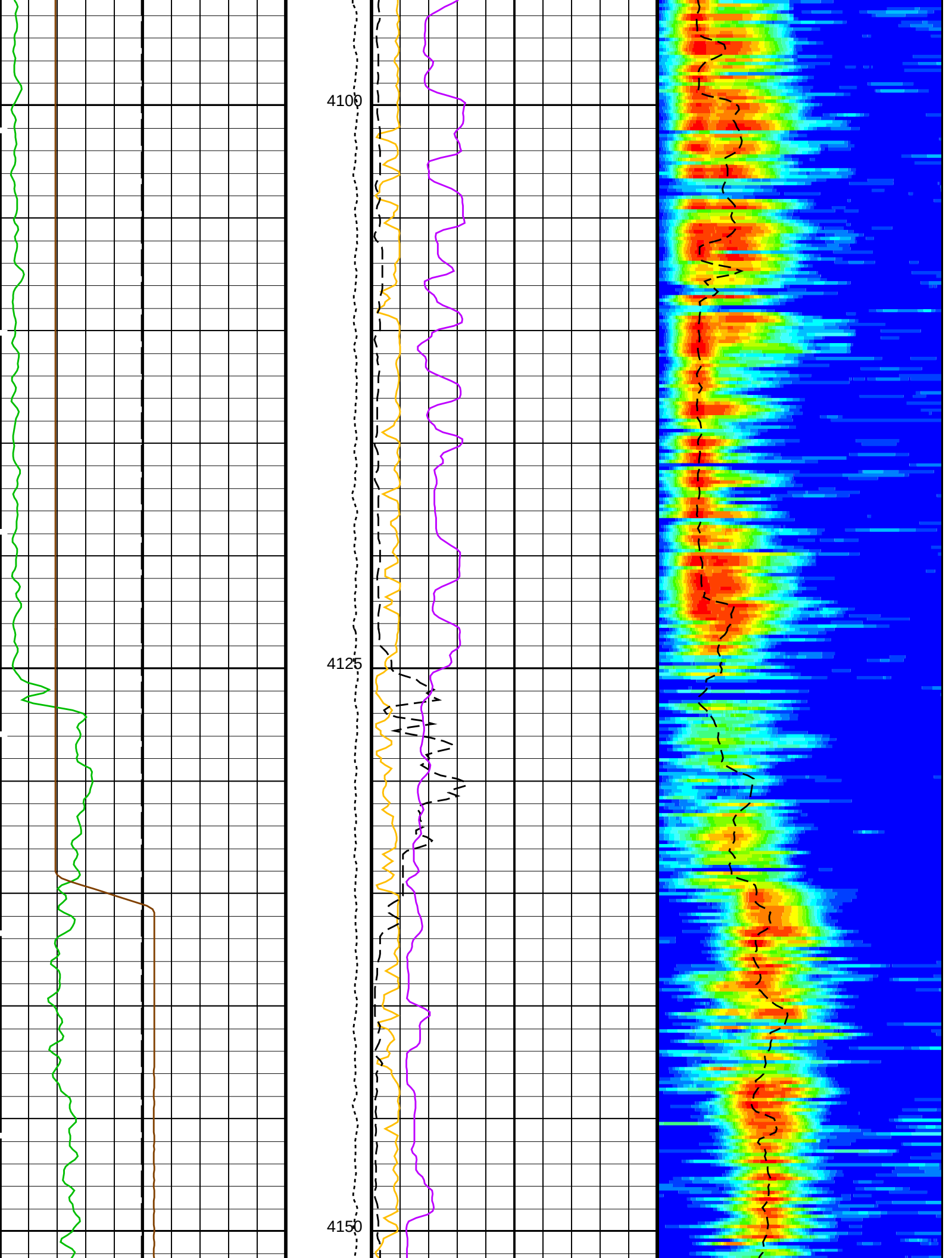
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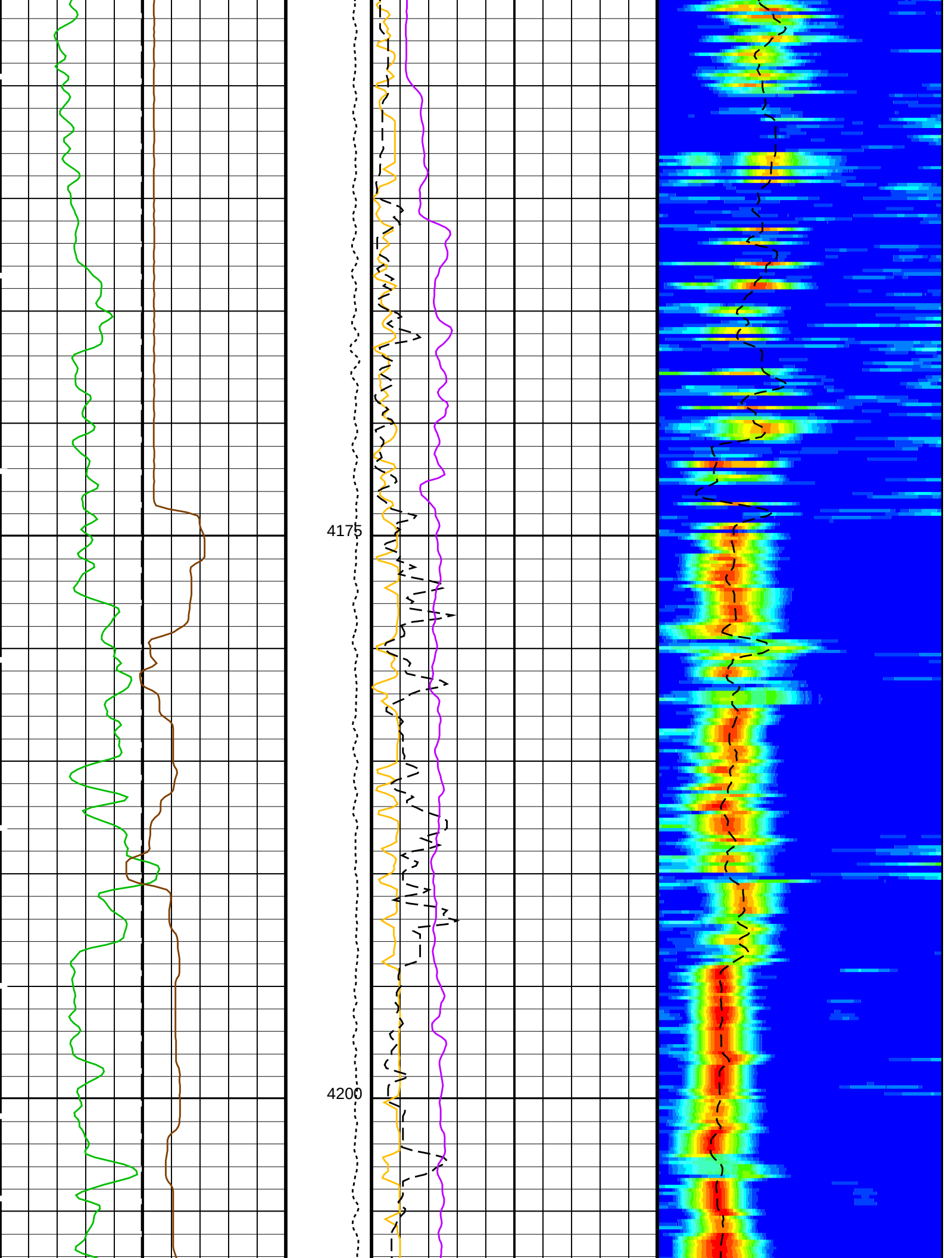
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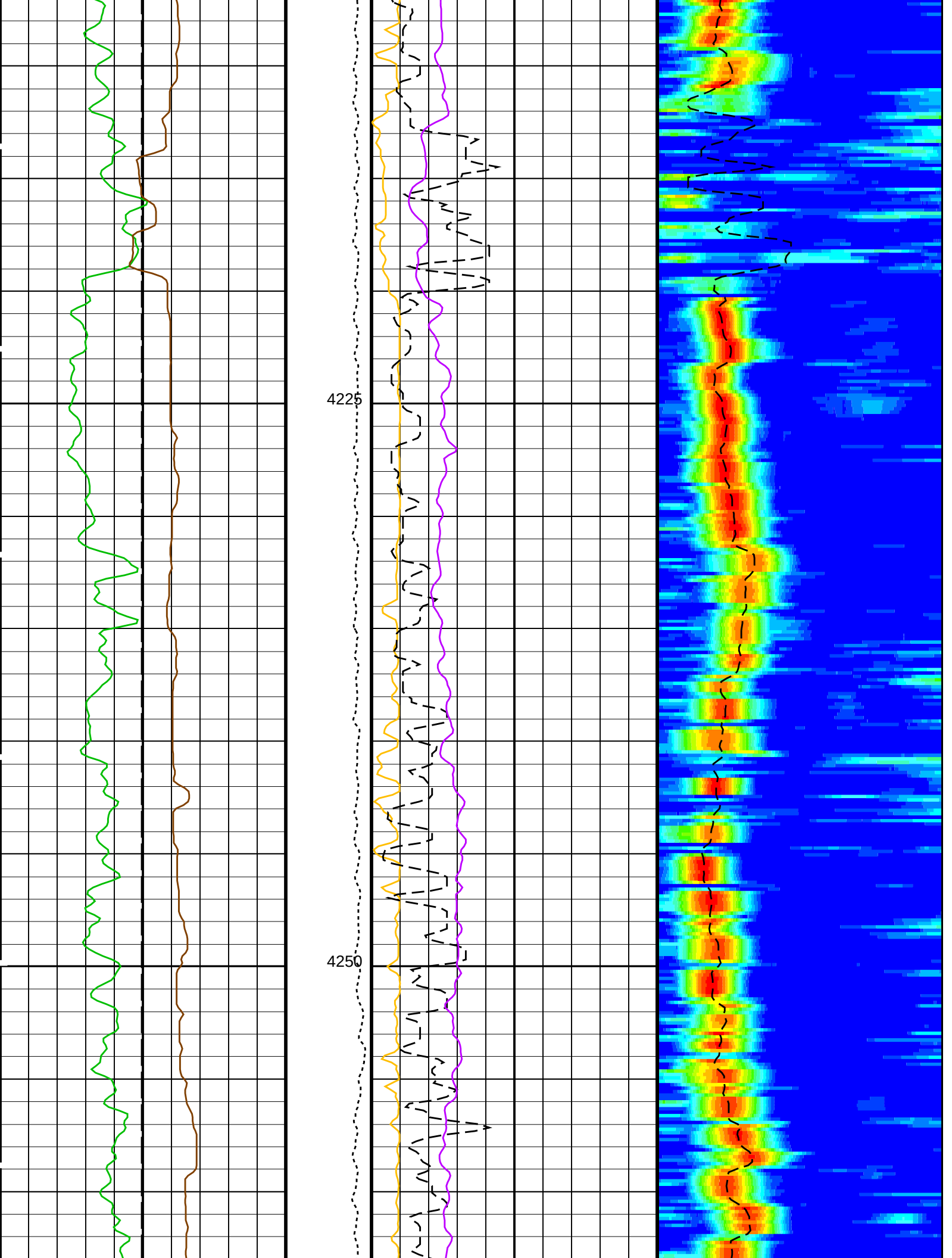
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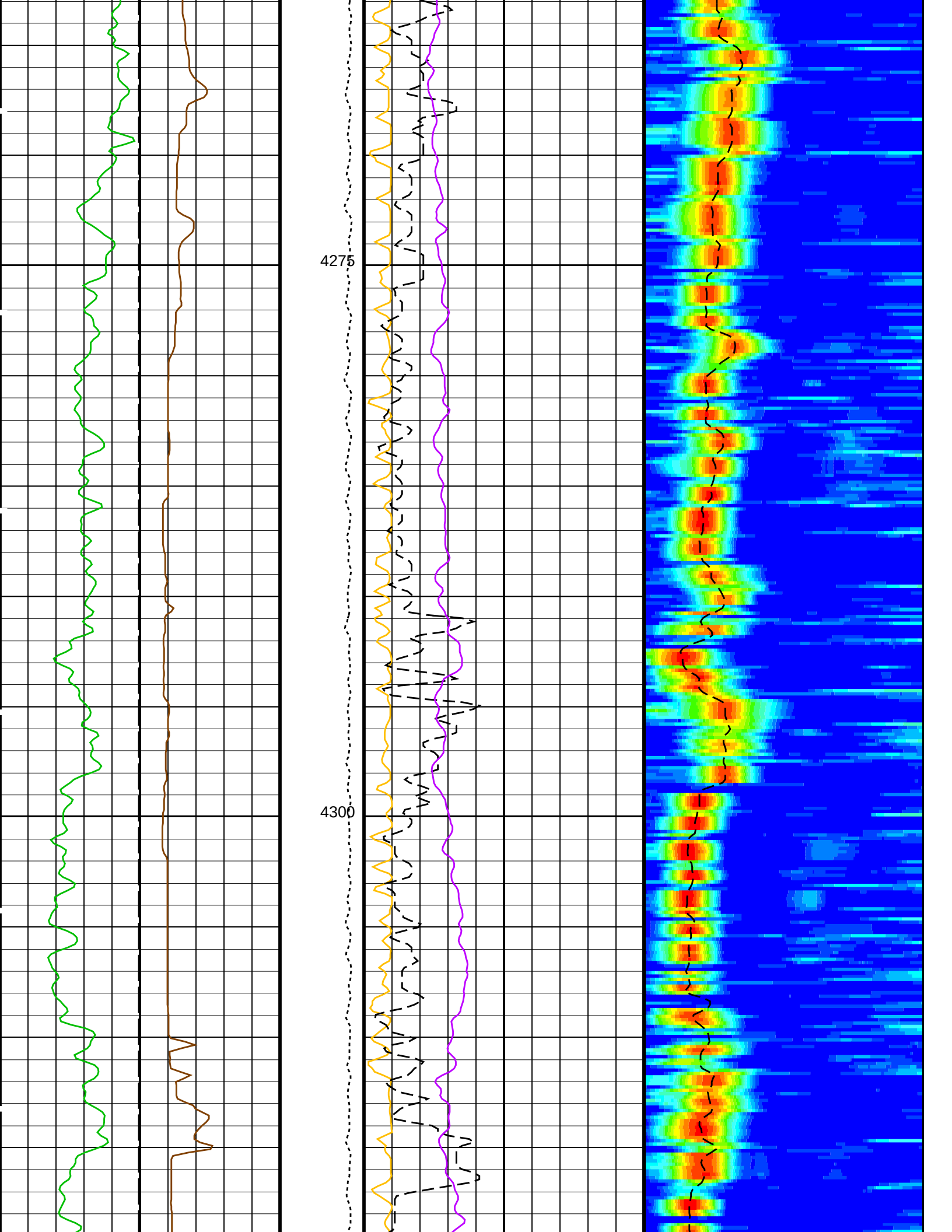
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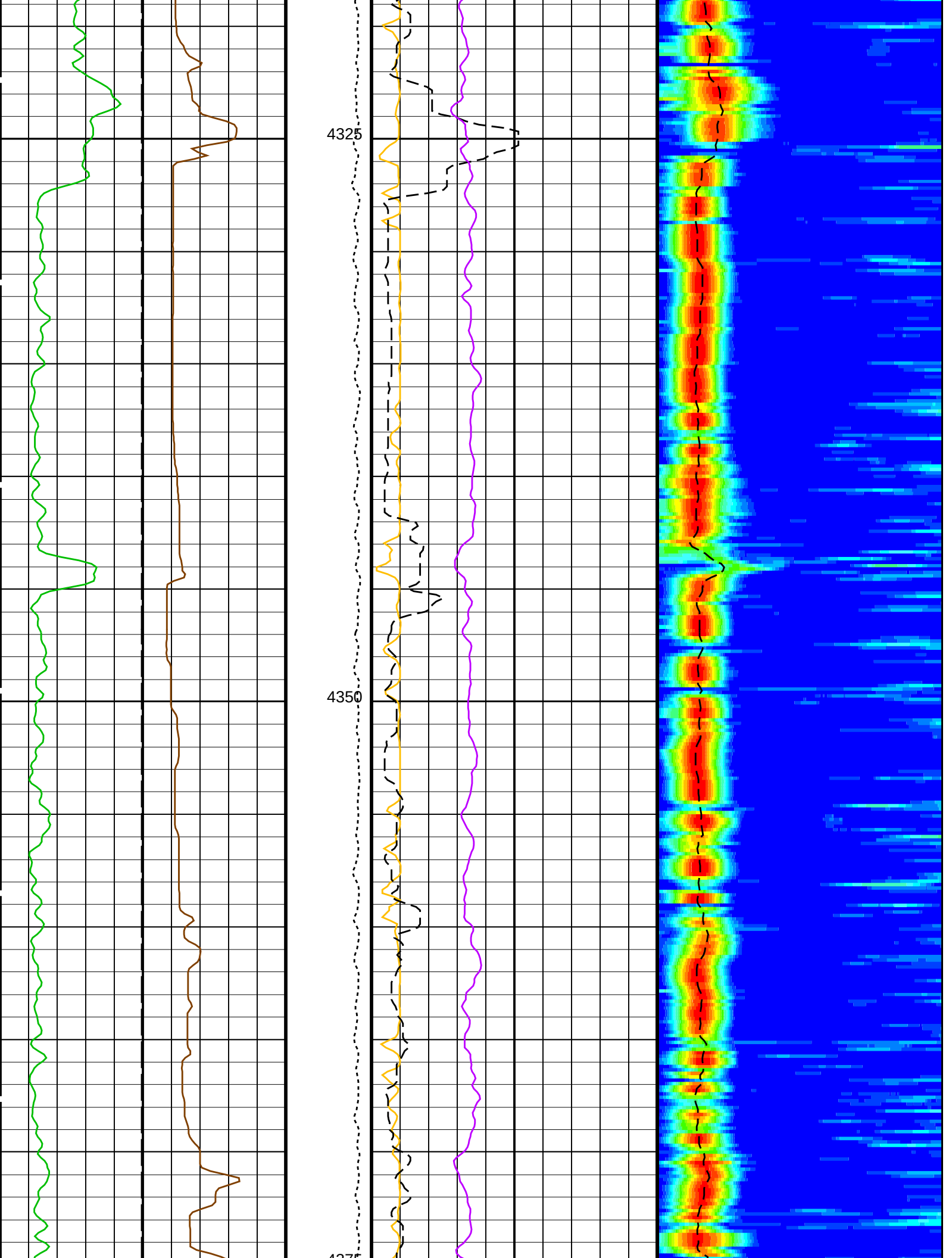
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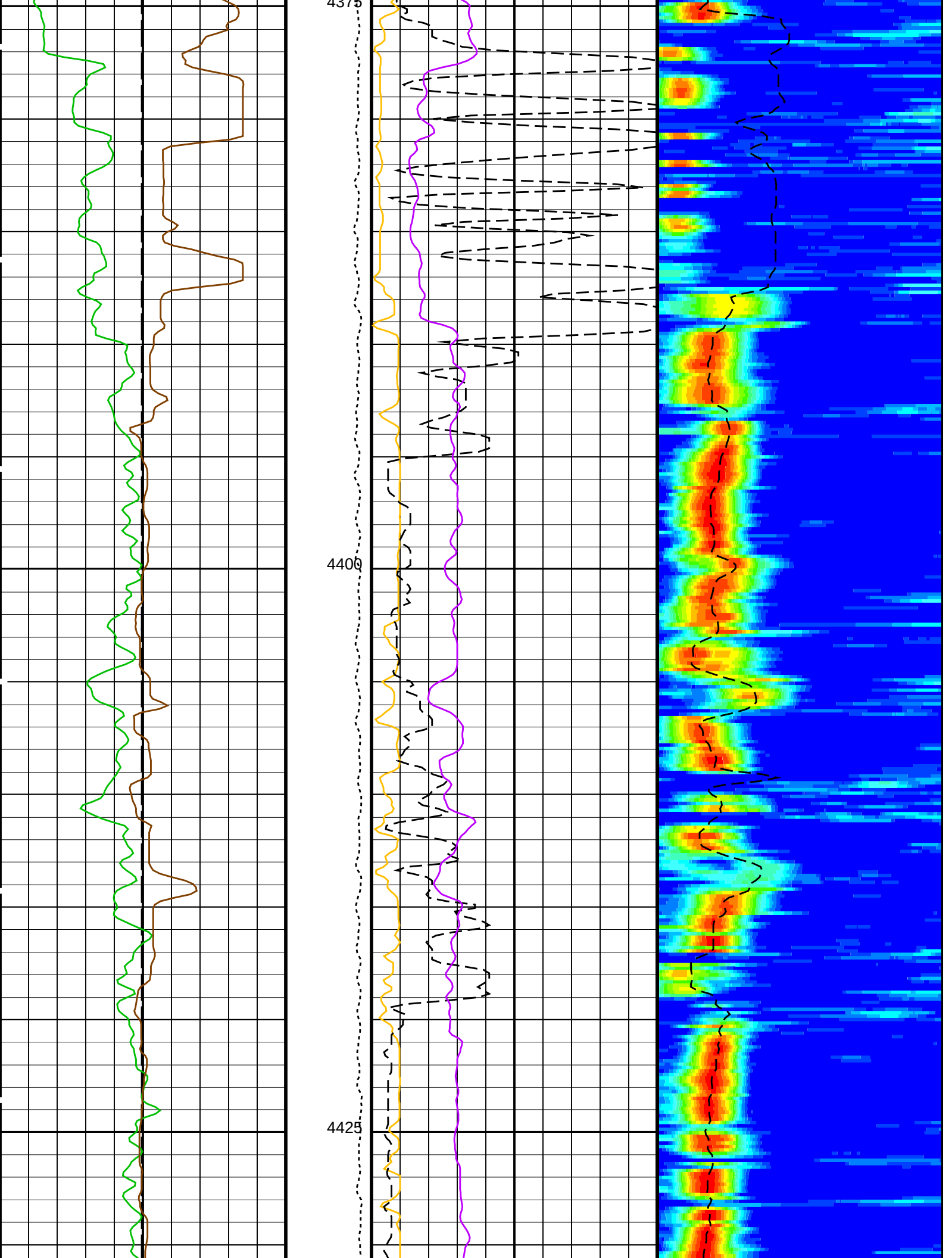
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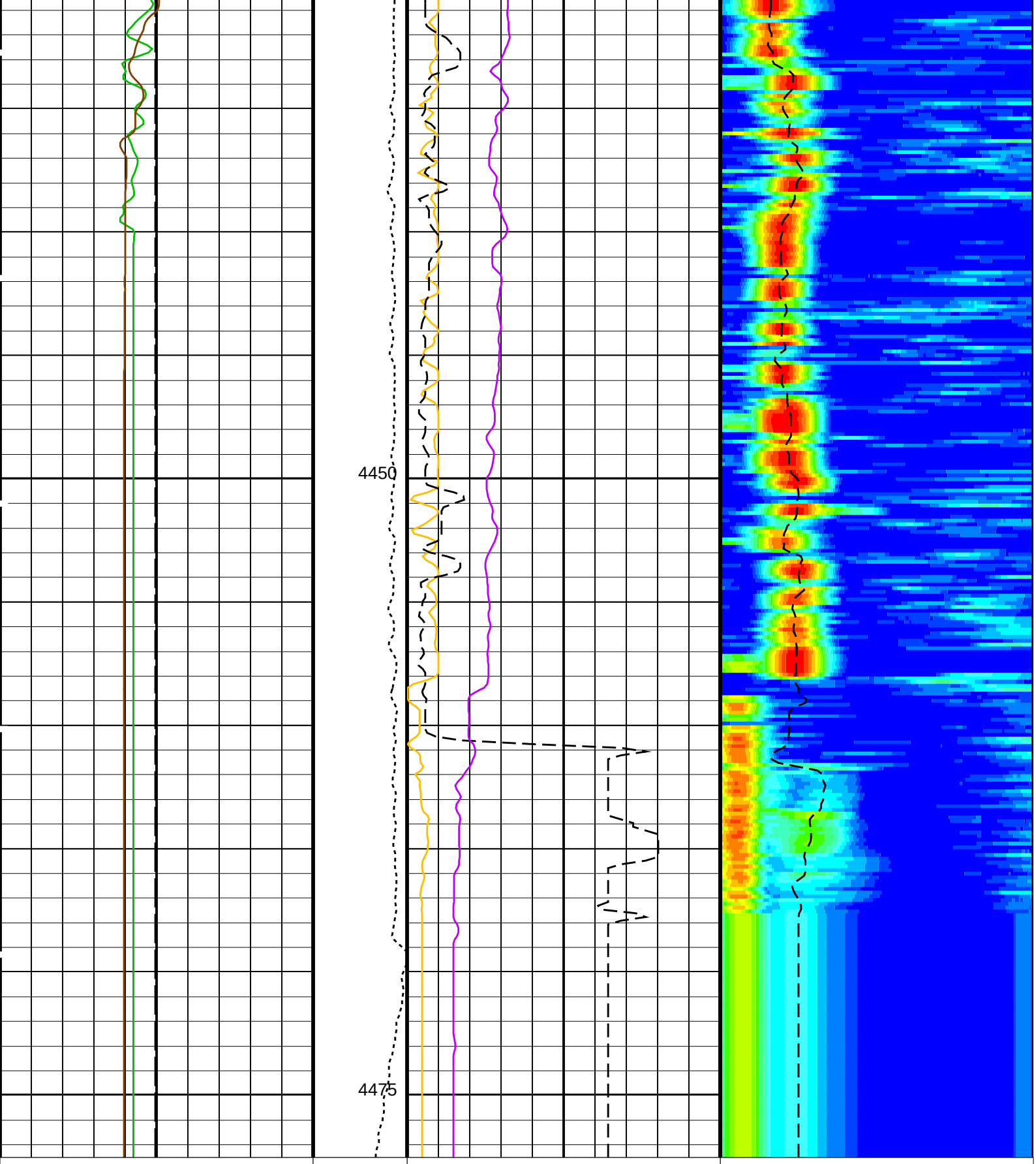


Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − Lower Dipole (CHR1)	Delta−T Shear / RA − Lower Dipole (DT1R)
0 (IN) 20	0 7500	0 (−−−−) 10	75 (US/F) 1200
Gamma Ray (GR_EDTC)		SAM1 Waveform Gain (WFG1)	Min Amplitude Max Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
0 (GAPI) 150		0 (−−−−) 1000	75 (US/F) 1200
HLDS Caliper (LCAL)		Sonic Velocity (SVEL)	

0	(IN)	20	1000	(M/S)	6000

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
DDE1	Digitizing Delay 1	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source − Dipole Shear	USE	
DSHL	Label Slowness Lower Limit − Dipole Shear	180	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	600	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 − Lower Dipole Mode	LFD_EVEN	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status − Lower Dipole	255	
SBO1	STC Search Band Offset − Lower Dipole	3000	US
SBW1	STC Search Bandwidth − Lower Dipole	8000	US
SFC1	STC Formation Character − Lower Dipole	SELECTABLE	
SFM1	STC Filter − Lower Dipole	B.3−1.5K	
SLL1	STC Slowness Lower Limit − Lower Dipole	75	US/F
SST1	STC Slowness Step − Lower Dipole	4	US/F
SSW1	STC Source Waveform − Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit − Lower Dipole	1200	US/F
SWD1	STC Slowness Width − Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill − Lower Dipole	0	US
TLL1	STC Time Lower Limit − Lower Dipole	600	US
TST1	STC Time Step − Lower Dipole	200	US
TUL1	STC Time Upper Limit − Lower Dipole	20440	US
TWD1	STC Time Width − Lower Dipole	2000	US
TWI1	STC Integration Time Window − Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 09−Apr−2018 11:54

OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_014LUP	FN:19	PRODUCER	09−Apr−2018 09:38	4477.5 M	3520.6 M

Output DLIS Files

DEFAULT	DSI_HRLA_LDL_021PUP	FN:30	PRODUCER	09−Apr−2018 11:54
RTB	DSI_HRLA_LDL_021PUP	FN:31	PRODUCER	09−Apr−2018 11:54

Input DLIS Files

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_014LUP	FN:19	PRODUCER	09−Apr−2018 09:38	4477.5 M	3520.6 M

Output DLIS Files

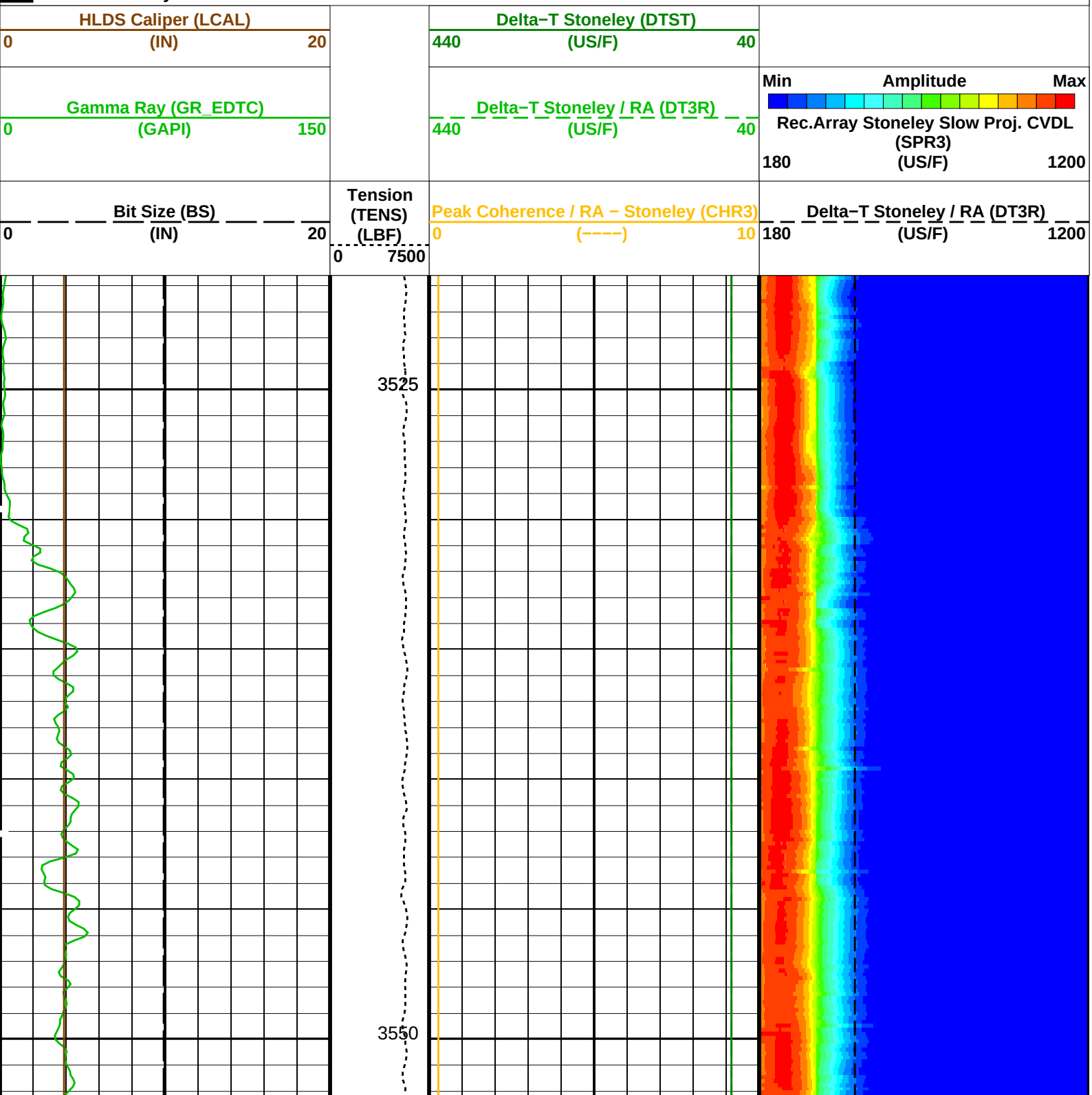
DEFAULT	DSI_HRLA_LDL_021PUP	FN:30	PRODUCER	09−Apr−2018 11:54	4477.5 M	3520.6 M
RTB	DSI_HRLA_LDL_021PUP	FN:31	PRODUCER	09−Apr−2018 11:54	4477.5 M	3520.6 M

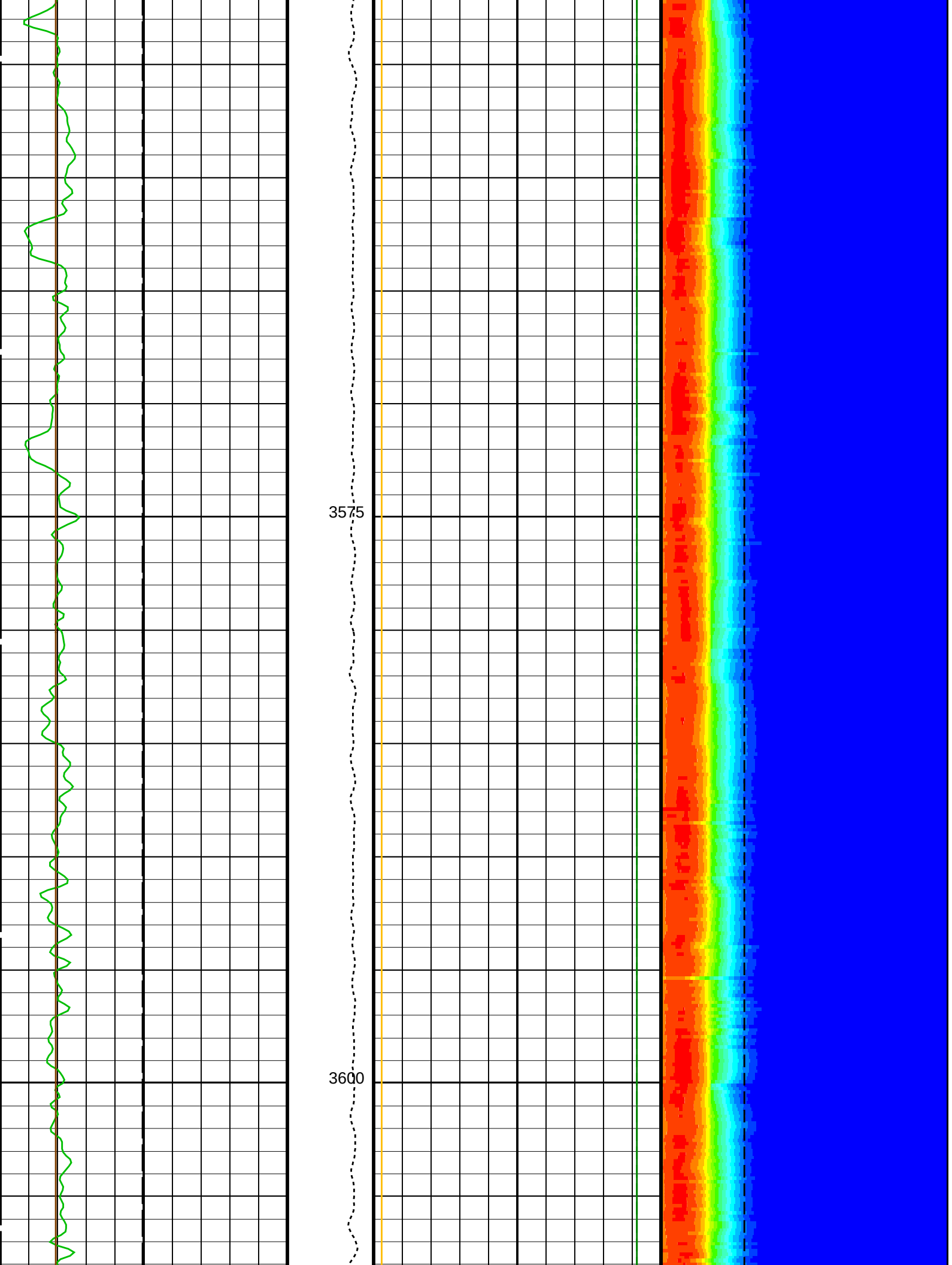
OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

PIP SUMMARY

Time Mark Every 60 S

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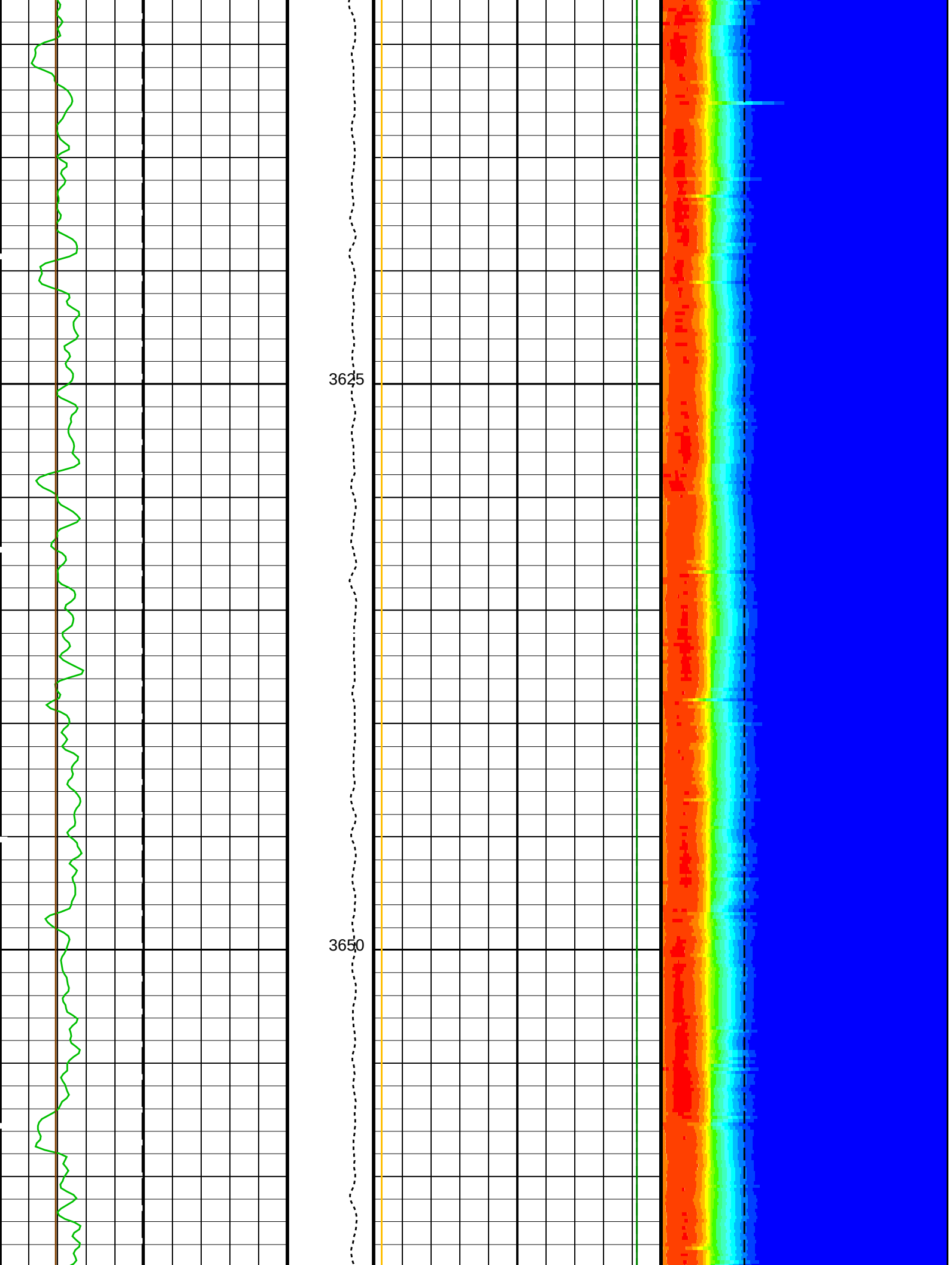
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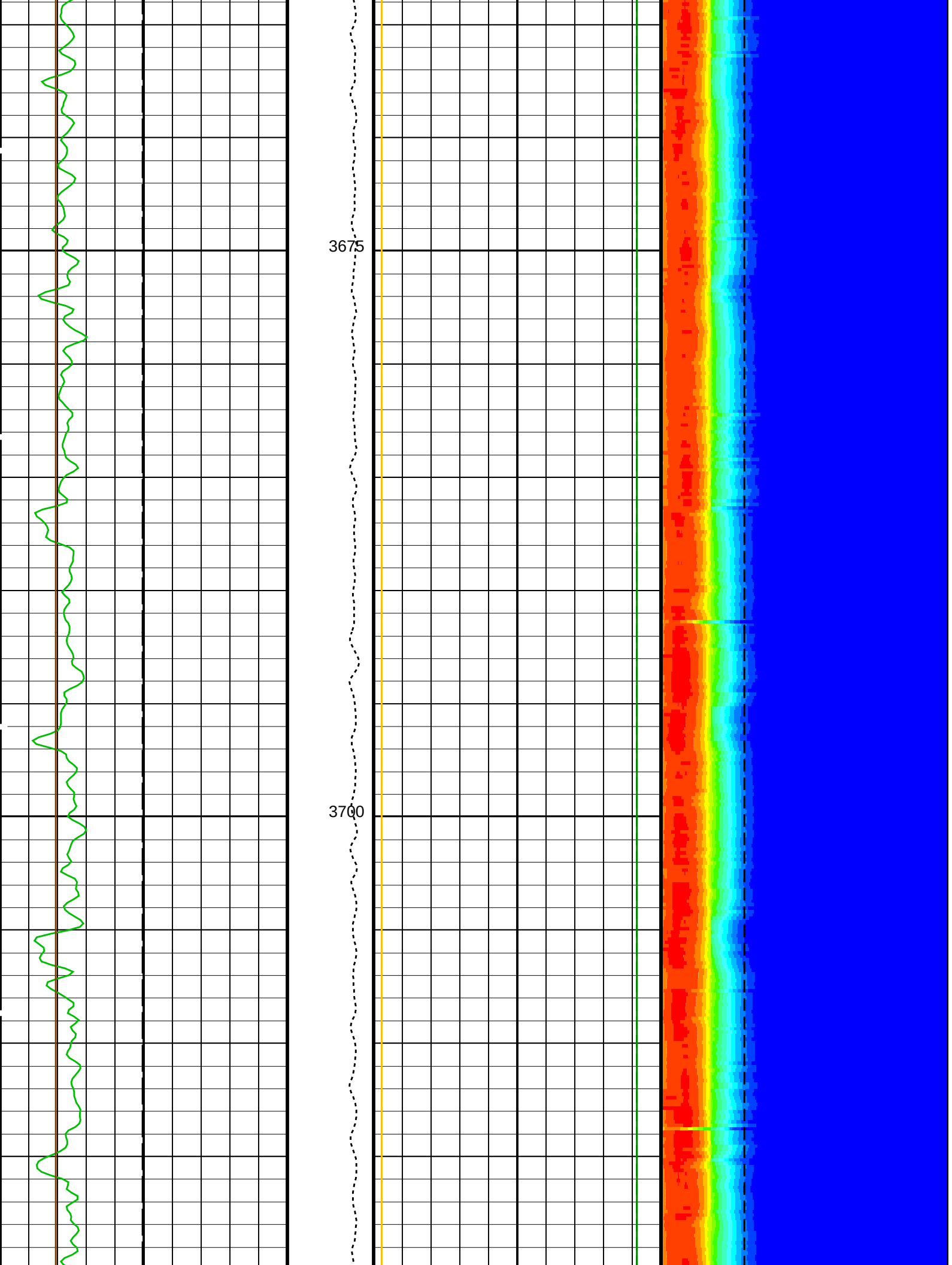
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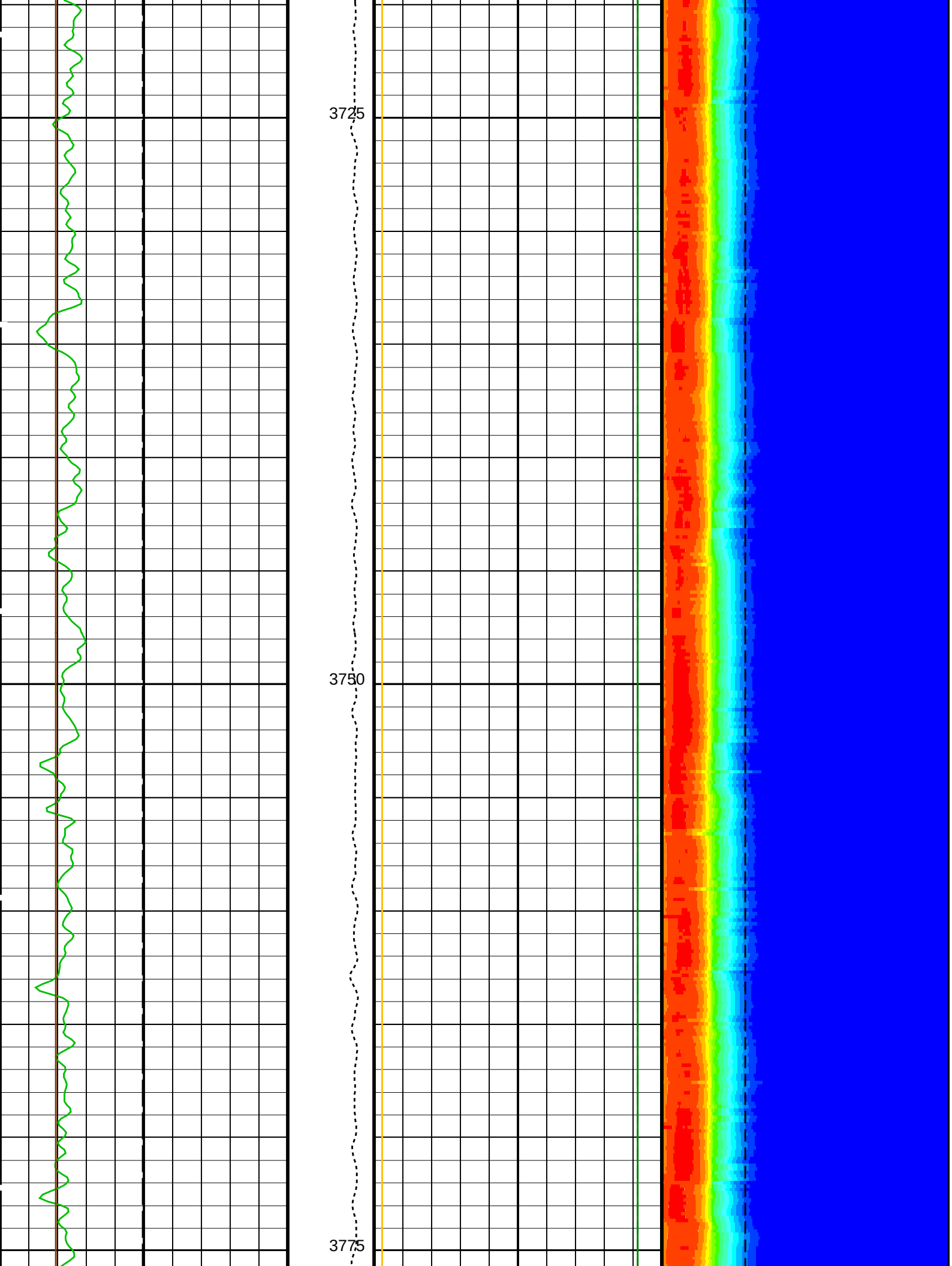
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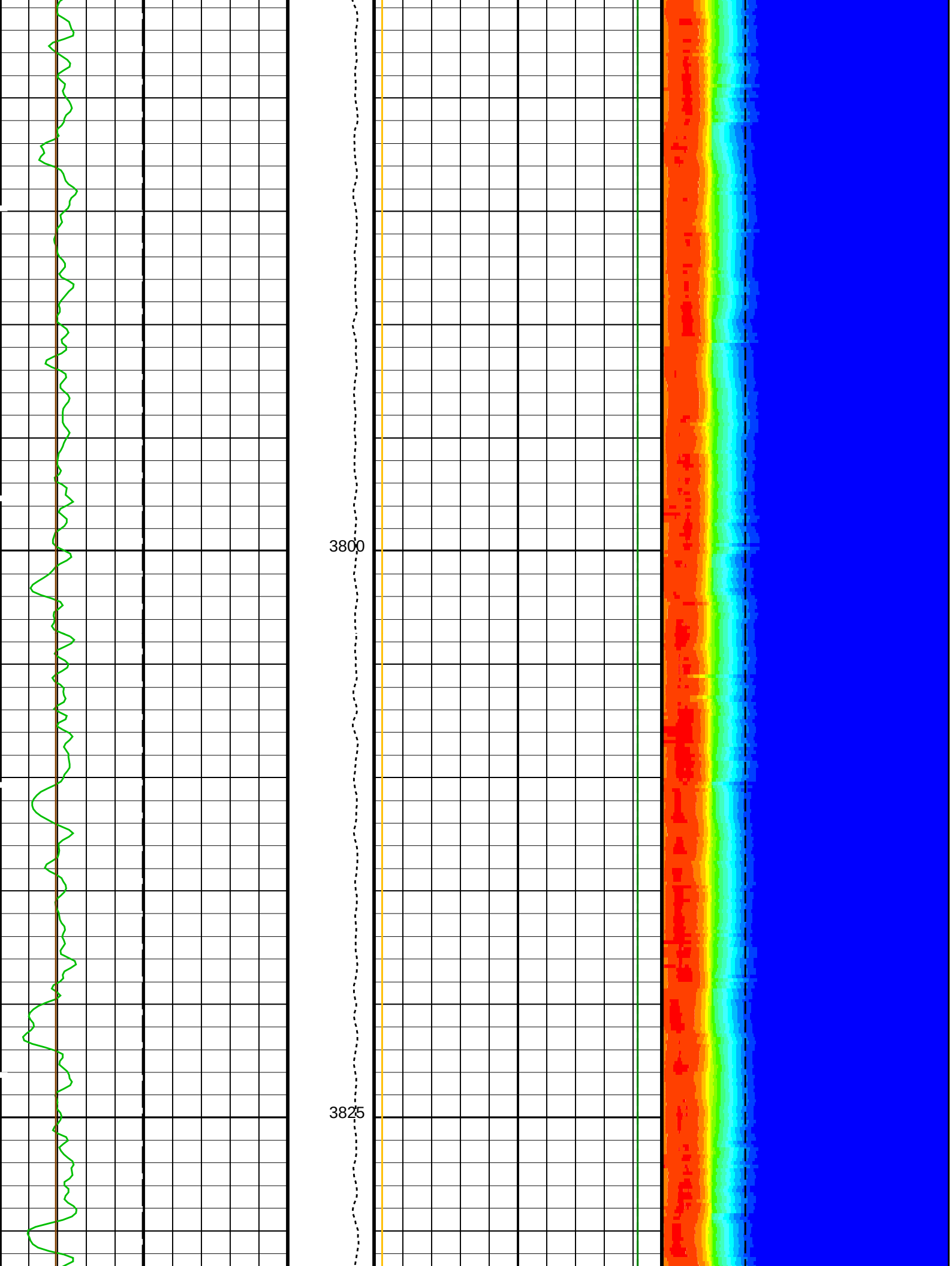
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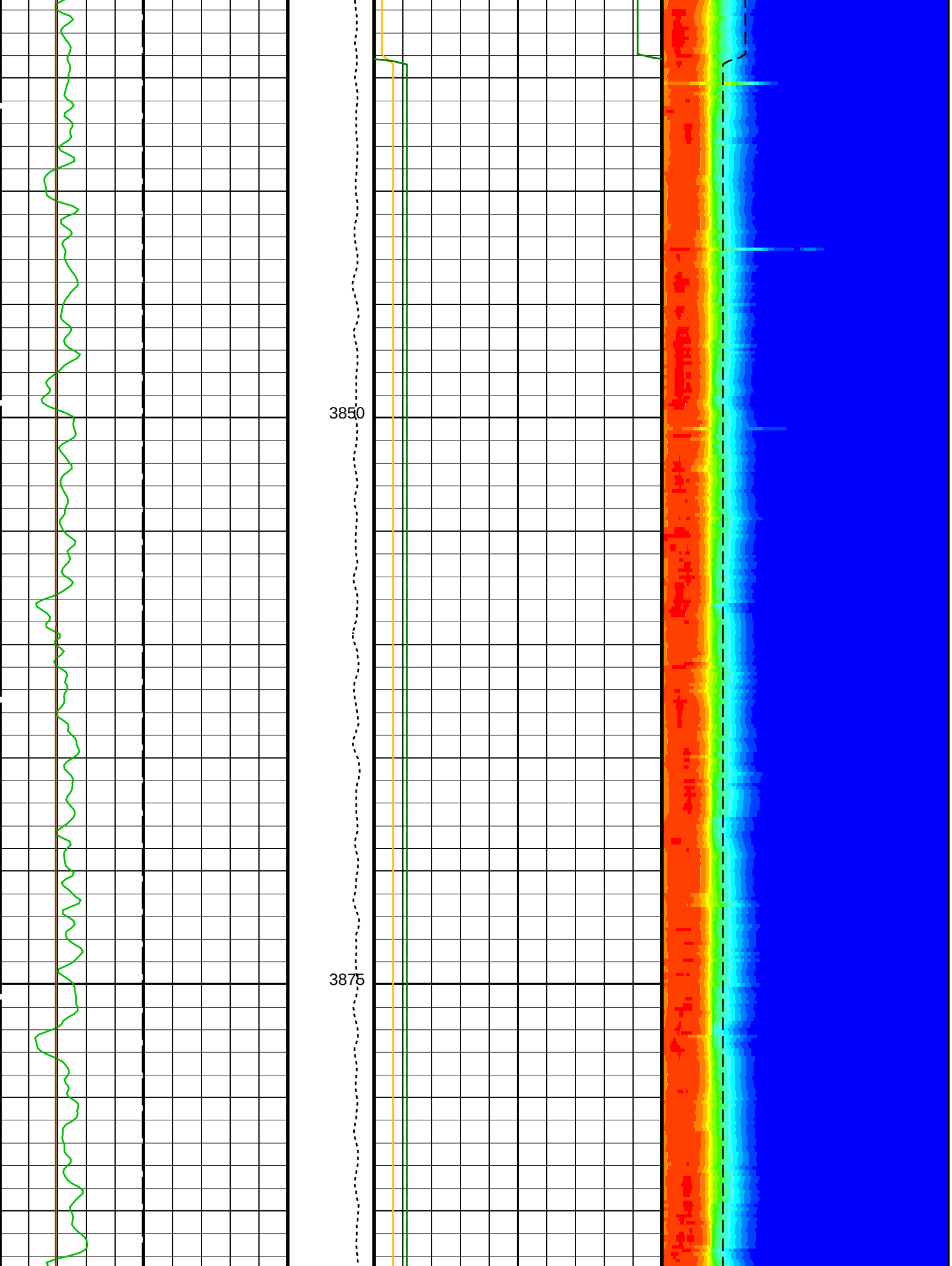
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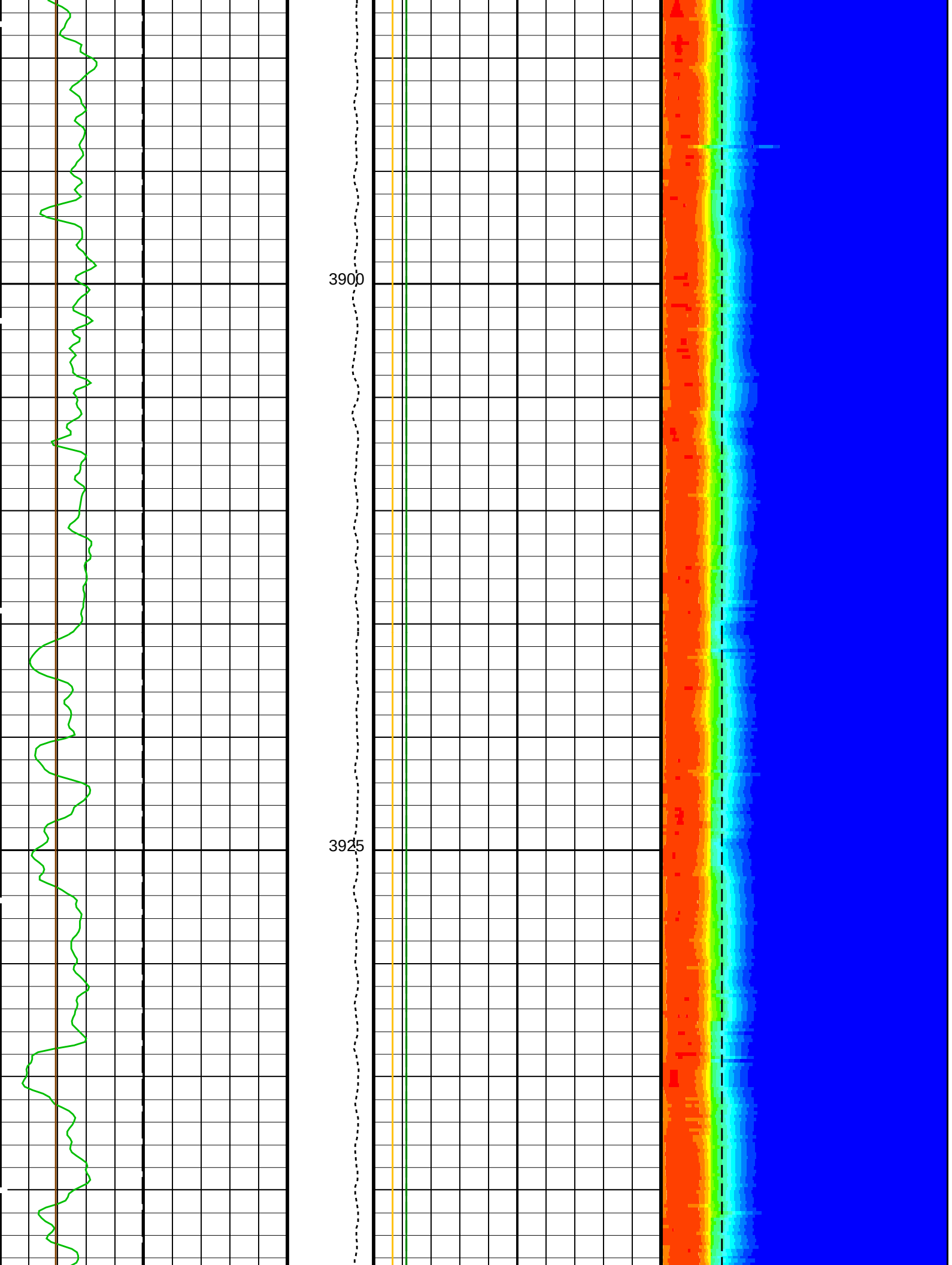
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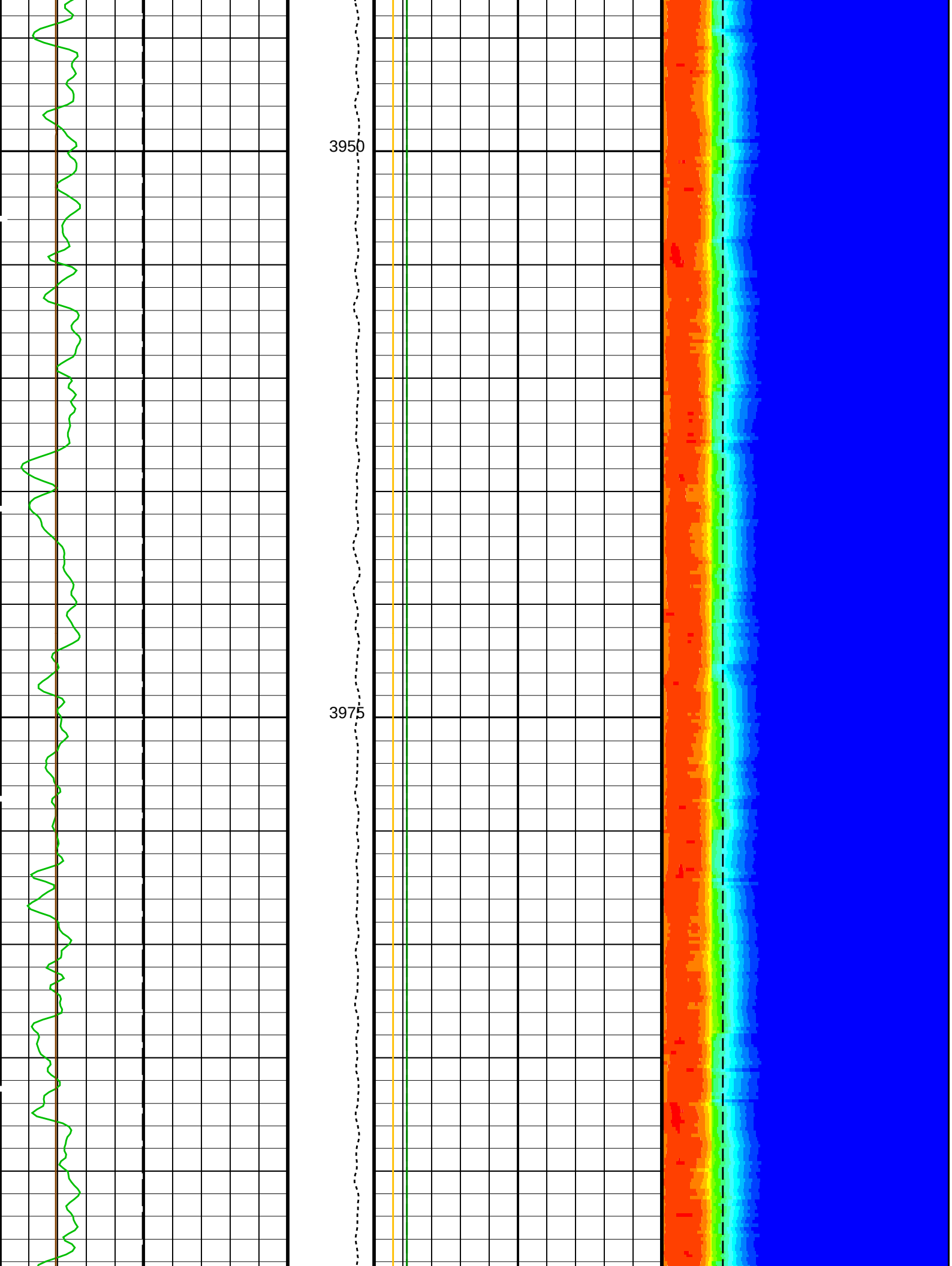
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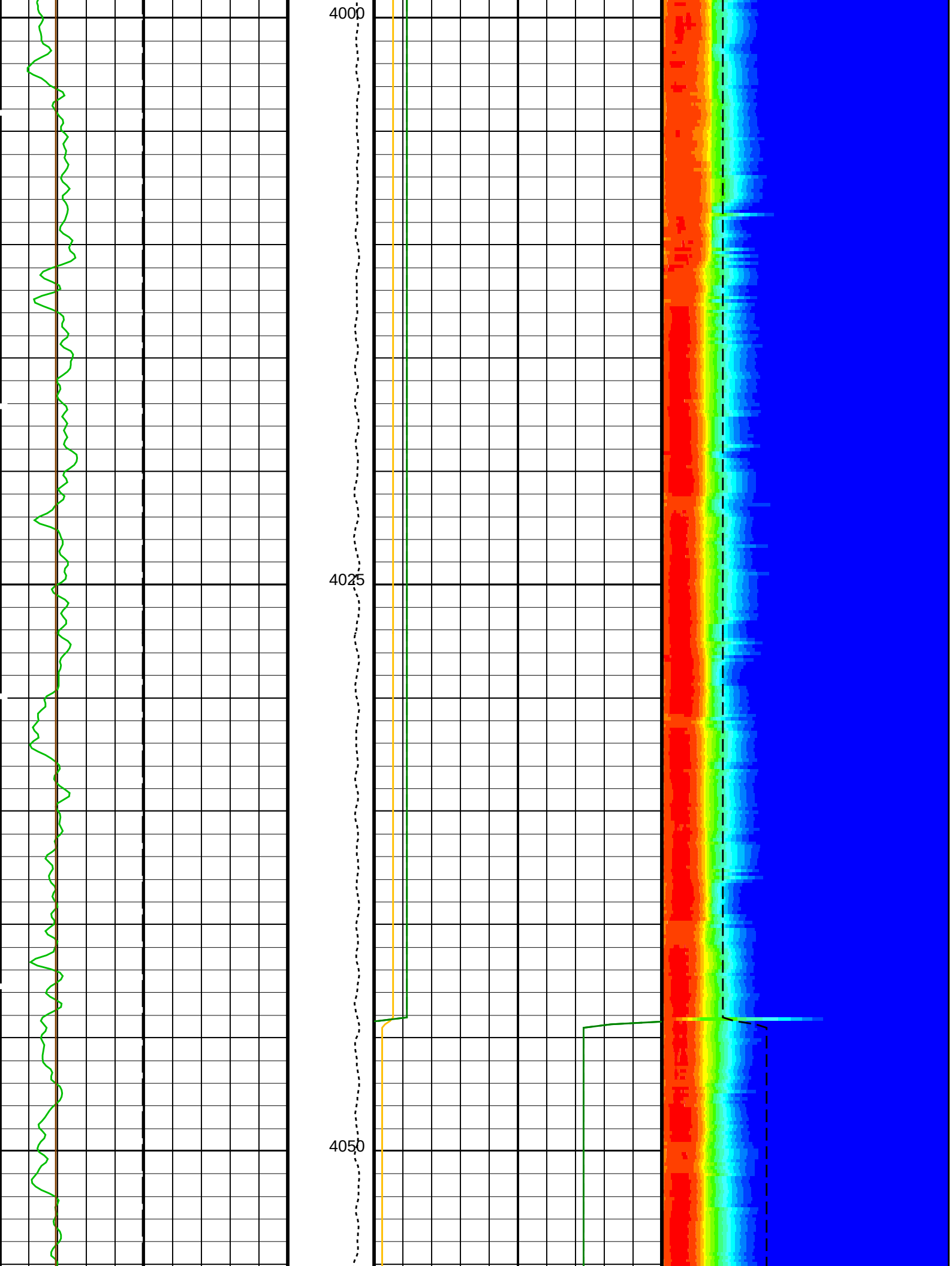
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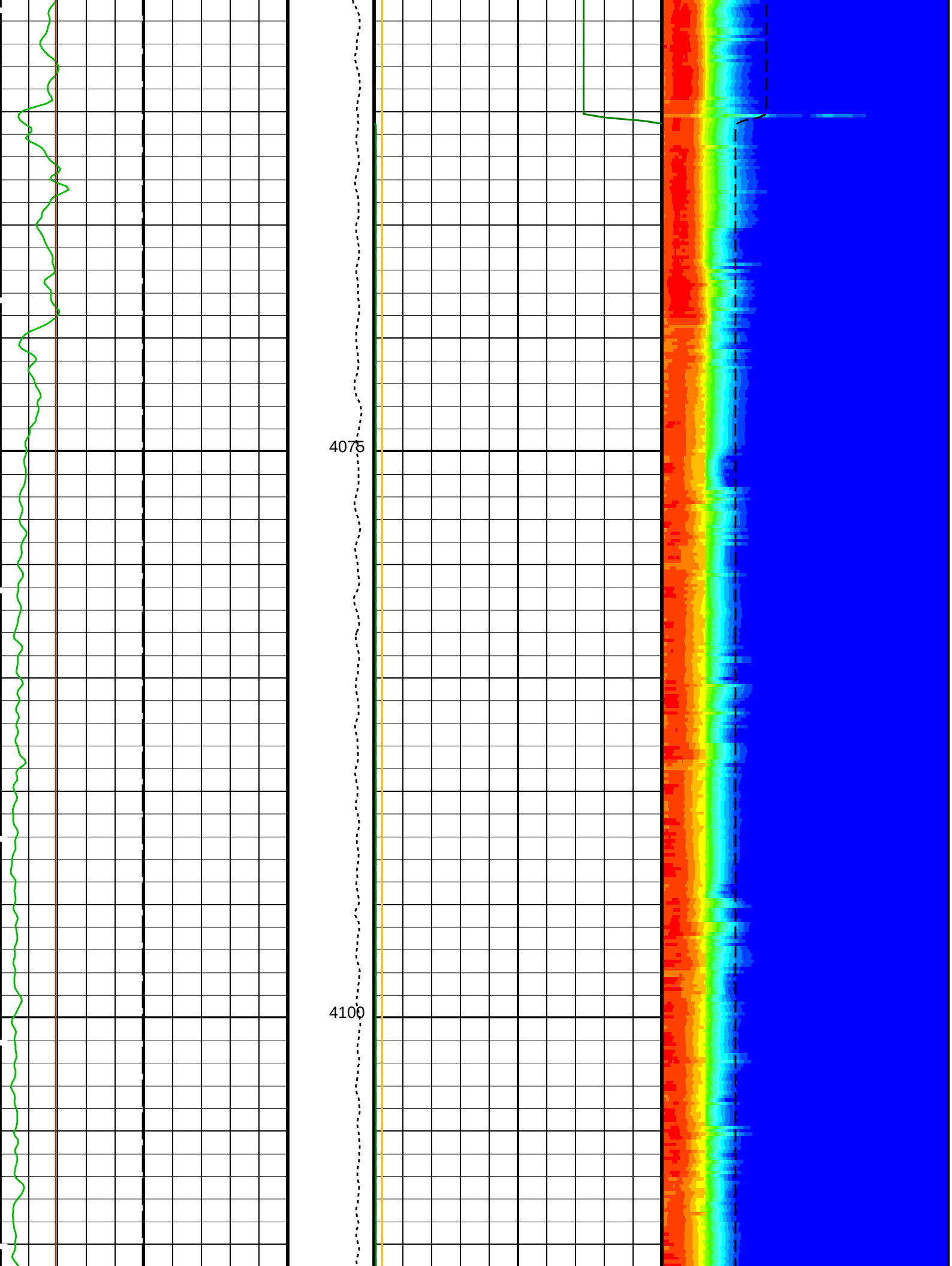
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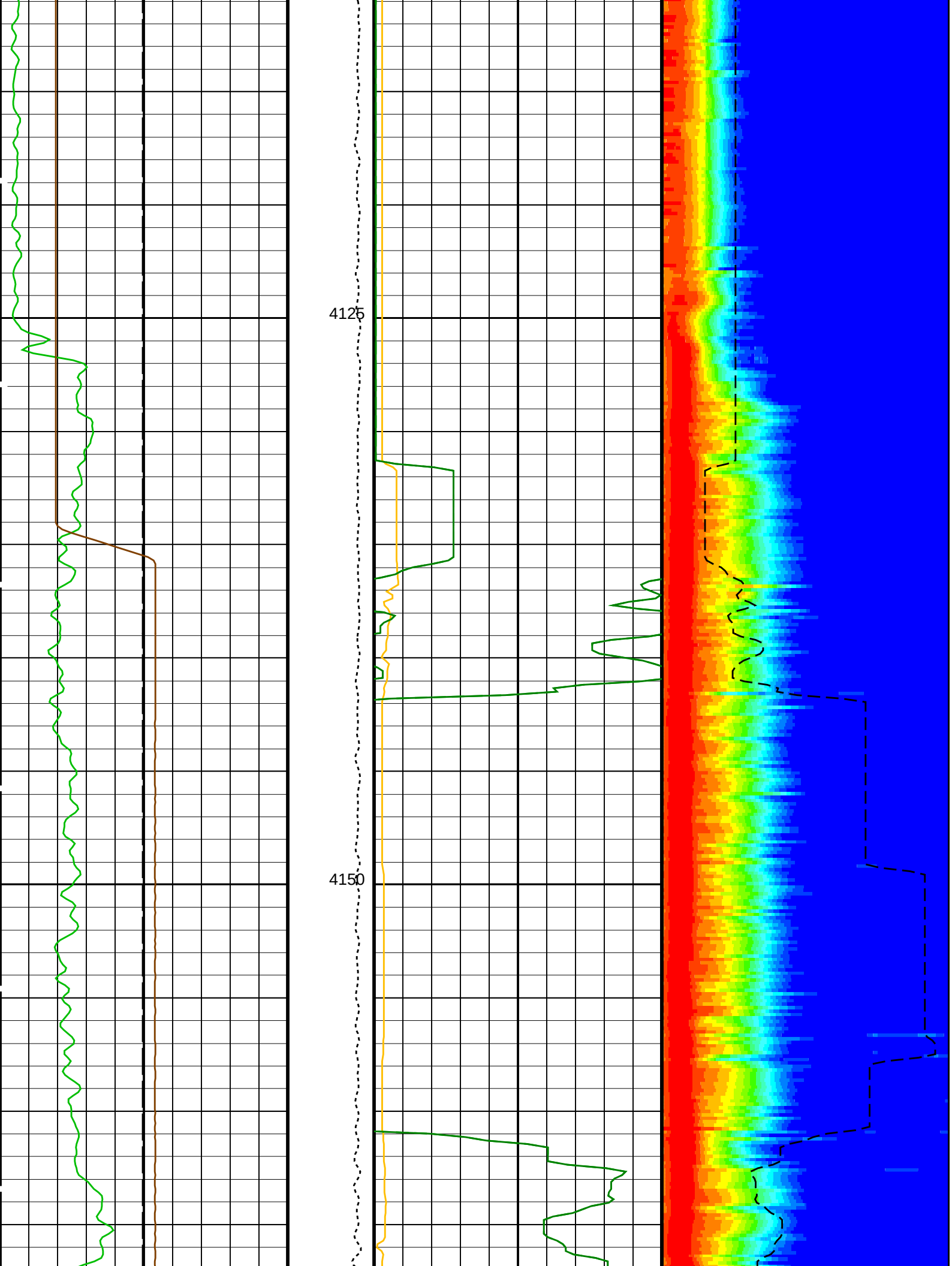
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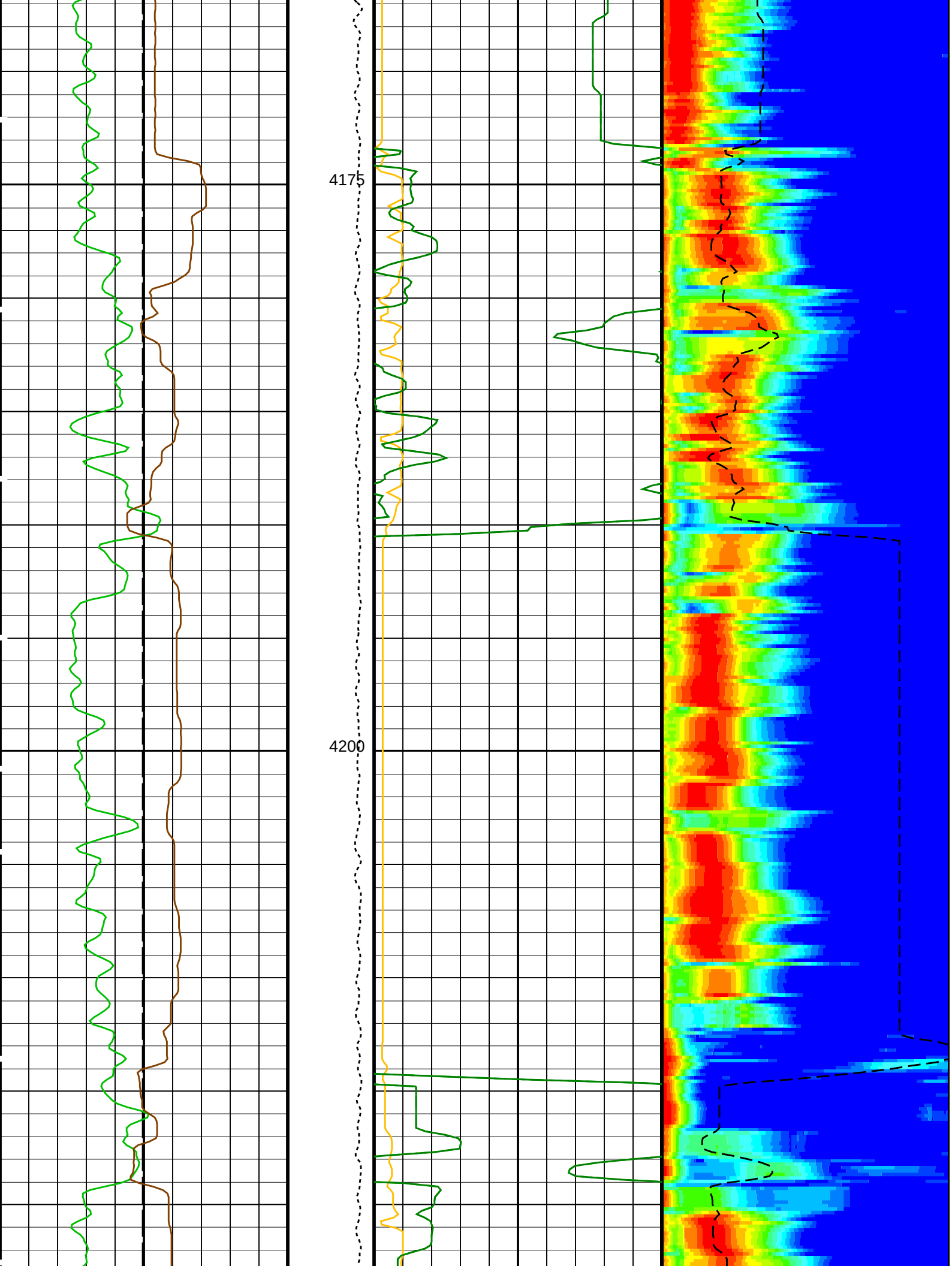
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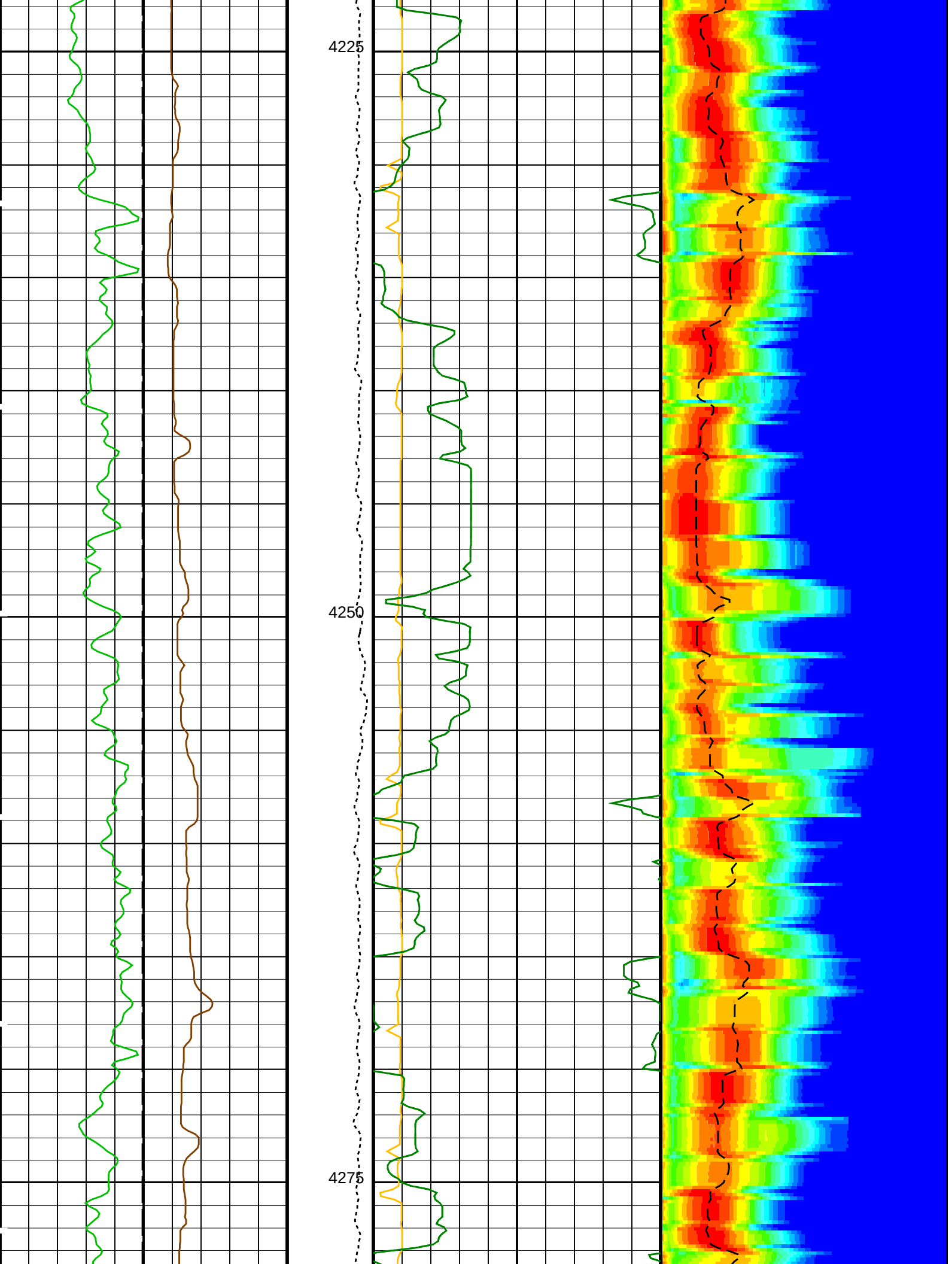
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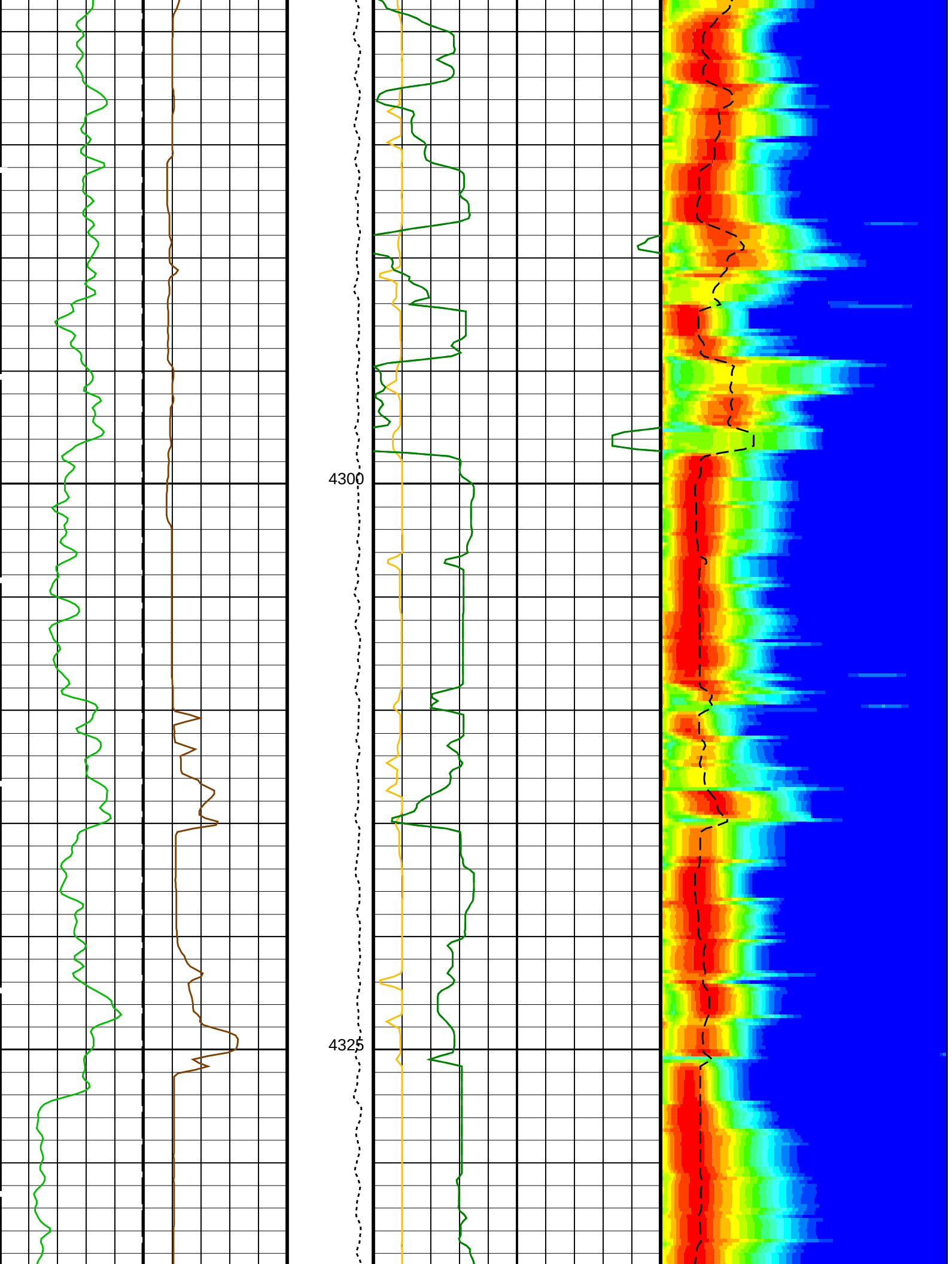
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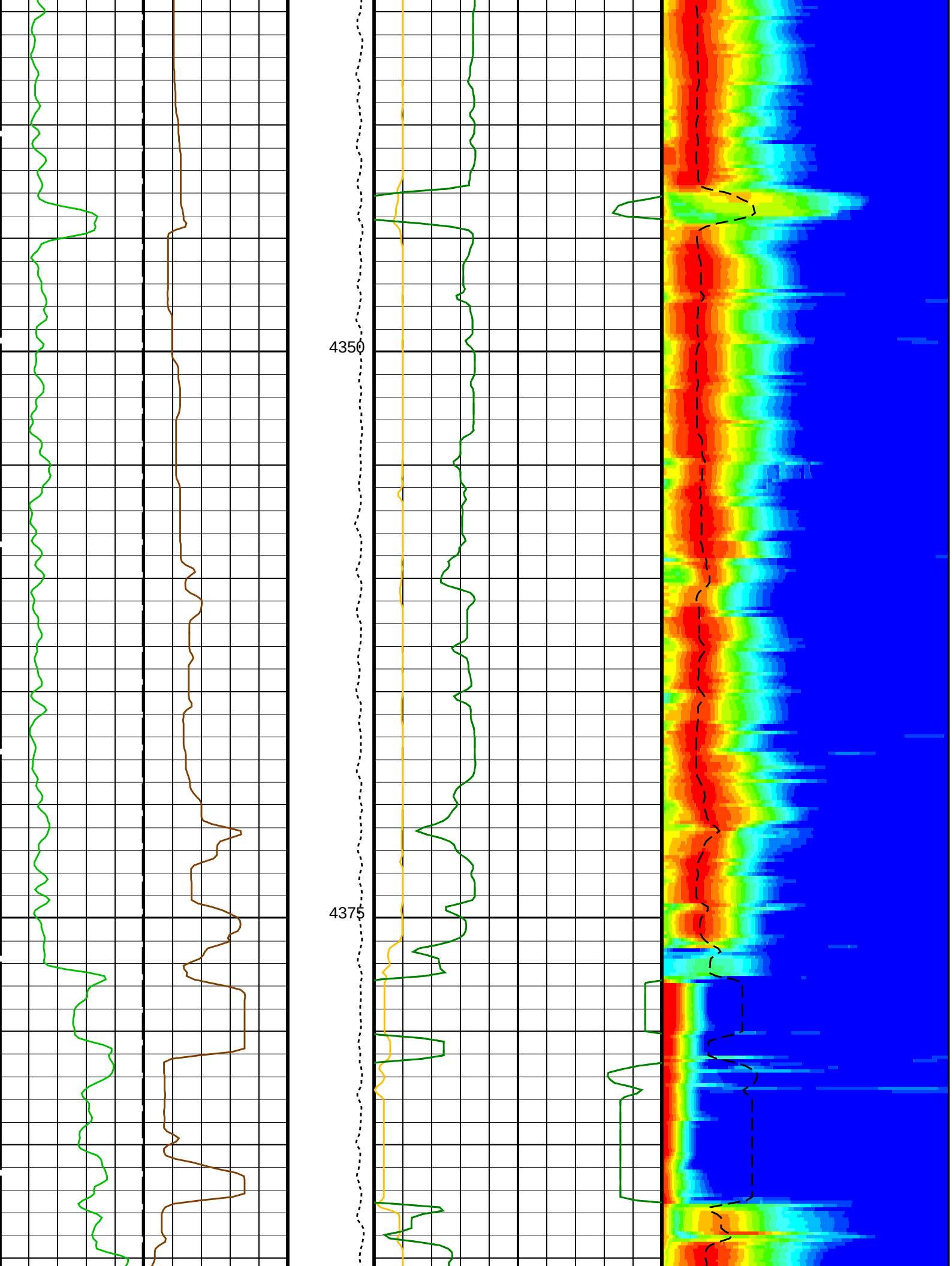
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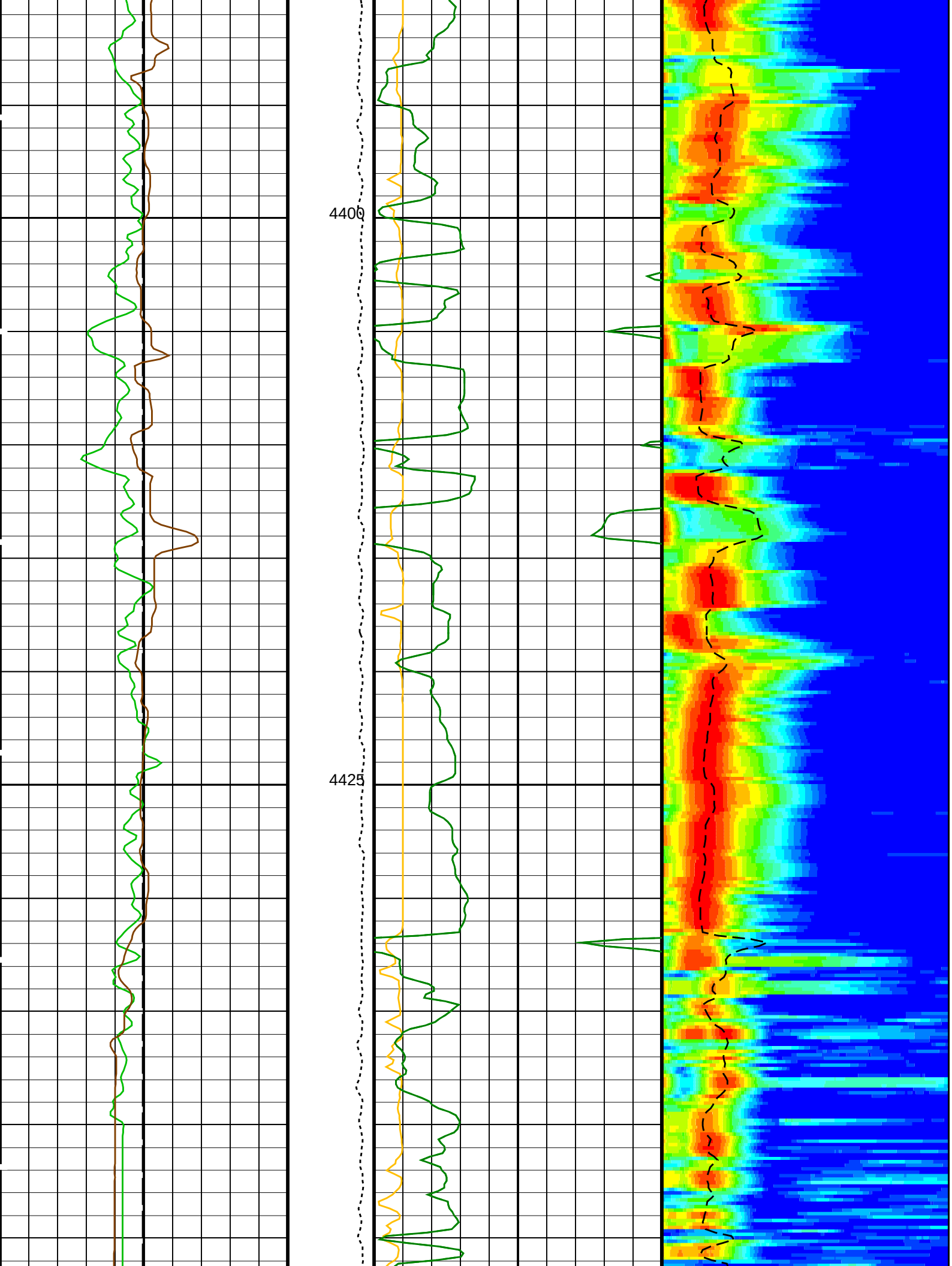
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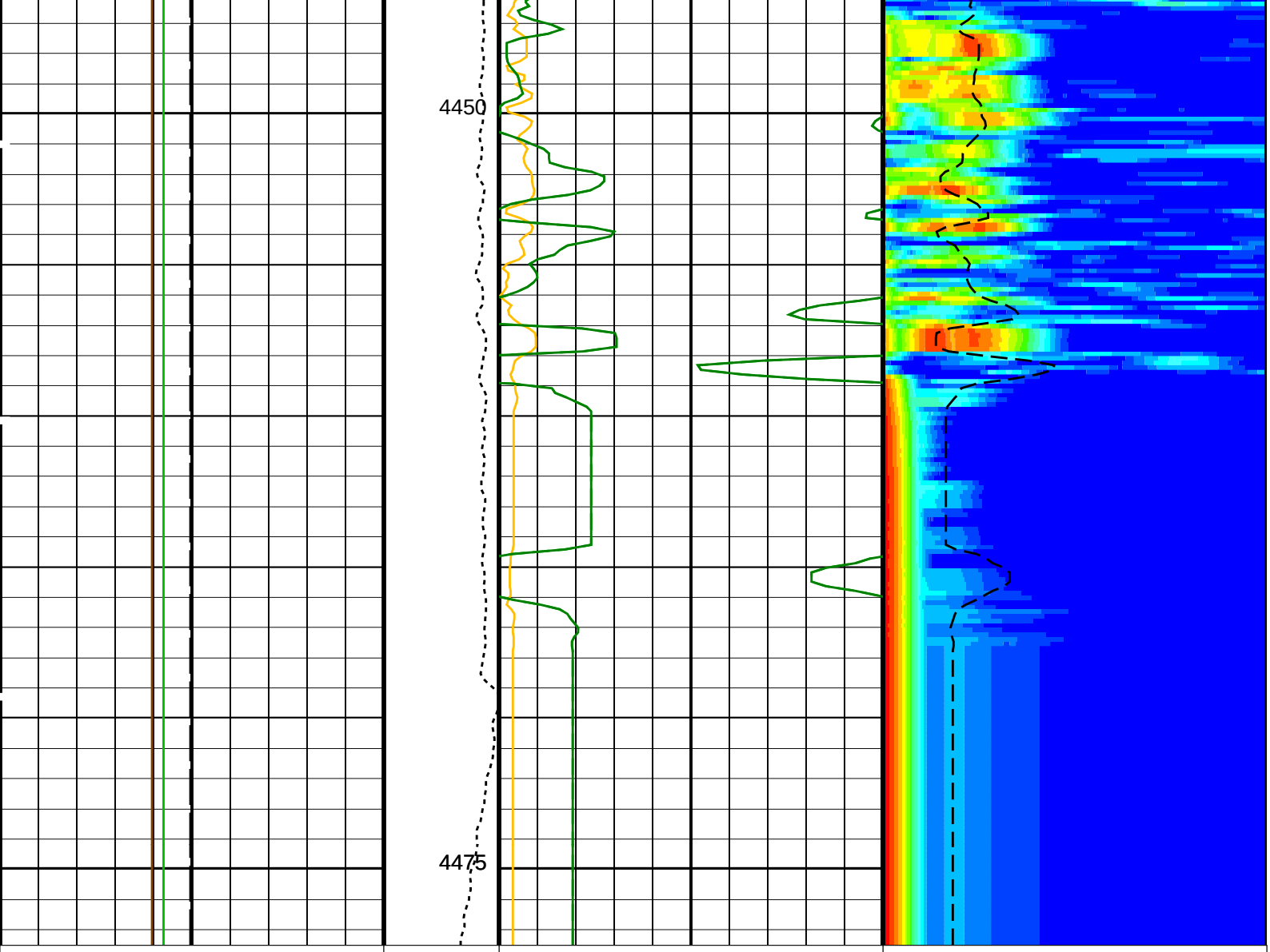


Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − Stoneley (CHR3)	Delta−T Stoneley / RA (DT3R)
0 (IN) 20	0 (LBF) 7500	0 (−−−−) 10	180 (US/F) 1200

Gamma Ray (GR_EDTC)		Delta−T Stoneley / RA (DT3R)	Min Amplitude Max Rec.Array Stoneley Slow Proj. CVDL (SPR3)
0 (GAPI) 150		440 (US/F) 40	180 (US/F) 1200
HLDS Caliper (LCAL)		**Delta−T Stoneley (DTST)**	
0 (IN) 20		440 (US/F) 40	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
DDE3	Digitizing Delay 3	0	US
DDEX	Digitizing Delay X	0	US
DSI3	Digitizer Sample Interval 3	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC3	Digitizer Word Count 3	512	
DWCX	Digitizer Word Count X	512	
MTXG	Monopole Transmitter Geometry	186	IN
NWI3	Number Waveform Items 3	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN

RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM3	DSST Sonic Acquisition Mode 3 − Monopole Mode for Stoneley	EVEN	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS3	STC Sonic Array Status − Monopole Stoneley	255	
SBO3	STC Search Band Offset − Monopole Stoneley	2000	US
SBW3	STC Search Bandwidth − Monopole Stoneley	6000	US
SFC3	STC Formation Character − Monopole Stoneley	SELECTABLE	
SFM3	STC Filter − Monopole Stoneley	B.5−1.5K	
SLL3	STC Slowness Lower Limit − Monopole Stoneley	180	US/F
SST3	STC Slowness Step − Monopole Stoneley	4	US/F
SSW3	STC Source Waveform − Monopole Stoneley	WF_SAM3	
STLL	Label Slowness Lower Limit − Monopole Stoneley	300	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	1200	US/F
SUL3	STC Slowness Upper Limit − Monopole Stoneley	1200	US/F
SWD3	STC Slowness Width − Monopole Stoneley	40	US/F
TBF3	STC Time for Baseline Fill − Monopole Stoneley	0	US
TLL3	STC Time Lower Limit − Monopole Stoneley	620	US
TST3	STC Time Step − Monopole Stoneley	200	US
TUL3	STC Time Upper Limit − Monopole Stoneley	15800	US
TWD3	STC Time Width − Monopole Stoneley	2000	US
TWI3	STC Integration Time Window − Monopole Stoneley	1600	US
TWSX	Transmitter Waveform Select X	0	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_STONELEY_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 09−Apr−2018 11:54

OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_014LUP	FN:19	PRODUCER	09−Apr−2018 09:38	4477.5 M	3520.6 M

Output DLIS Files

DEFAULT	DSI_HRLA_LDL_021PUP	FN:30	PRODUCER	09−Apr−2018 11:54		
RTB	DSI_HRLA_LDL_021PUP	FN:31	PRODUCER	09−Apr−2018 11:54		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_014LUP	FN:19	PRODUCER	09−Apr−2018 09:38	4477.5 M	3520.6 M

Output DLIS Files

DEFAULT	DSI_HRLA_LDL_021PUP	FN:30	PRODUCER	09−Apr−2018 11:54	4477.5 M	3520.6 M
RTB	DSI_HRLA_LDL_021PUP	FN:31	PRODUCER	09−Apr−2018 11:54	4477.5 M	3520.6 M

OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

PIP SUMMARY

Time Mark Every 60 S

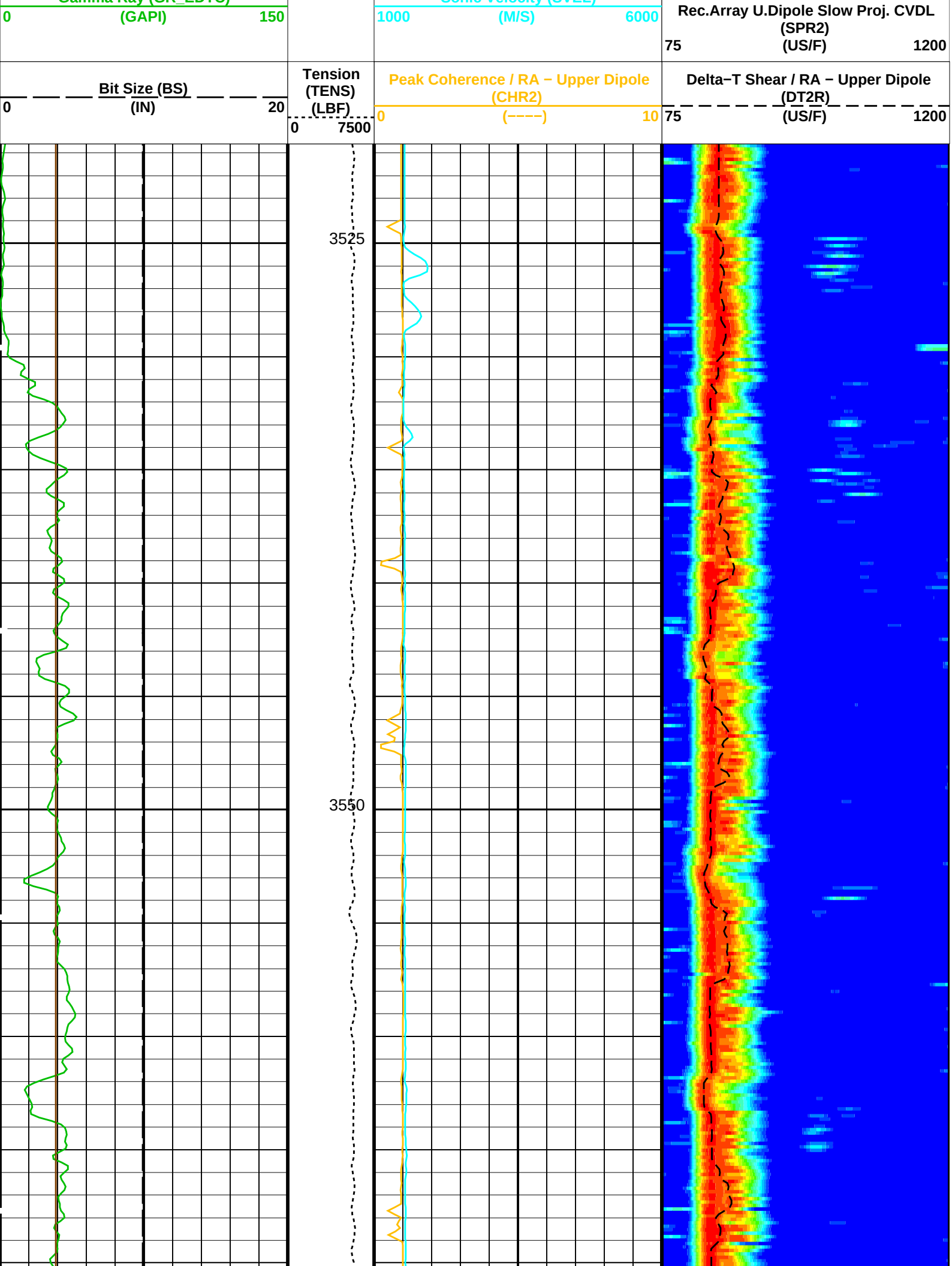
HLDS Caliper (LCAL)

0 (IN) 20

Gamma Ray (GR_EDTC)

Sonic Velocity (SVEL)

Min Amplitude Max


Gamma Ray (GR_EDTC)
0
(GAPI)
150
Sonic Velocity (SVEL)
1000
(M/S)
6000
Rec.Array U.Dipole Slow Proj. CVDL (SPR2)
75
(US/F)
1200
Bit Size (BS)
0
(IN)
20
Tension (TENS)
(LBF)
0
7500
Peak Coherence / RA − Upper Dipole (CHR2)
0
(----)
10
Delta−T Shear / RA − Upper Dipole (DT2R)
75
(US/F)
1200
3525
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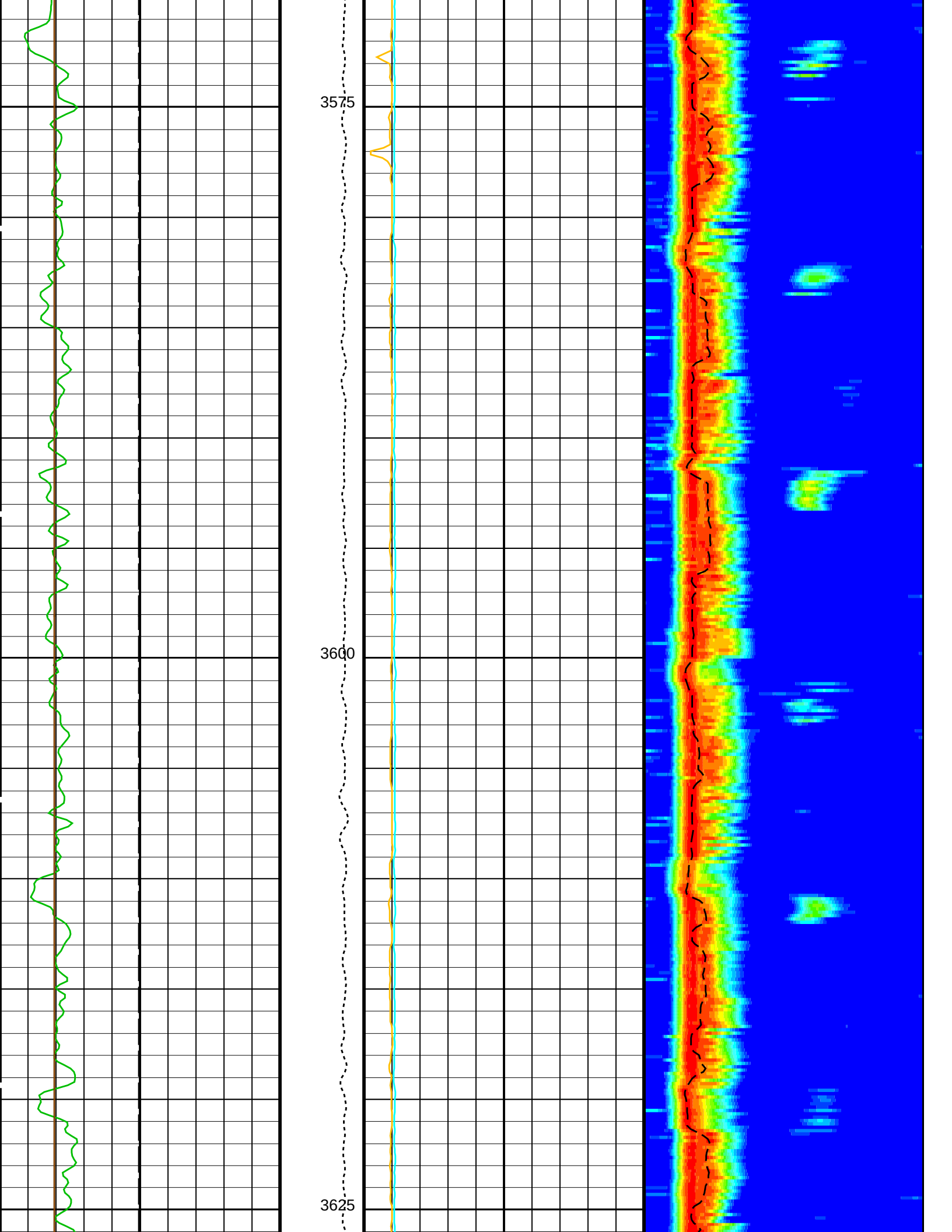
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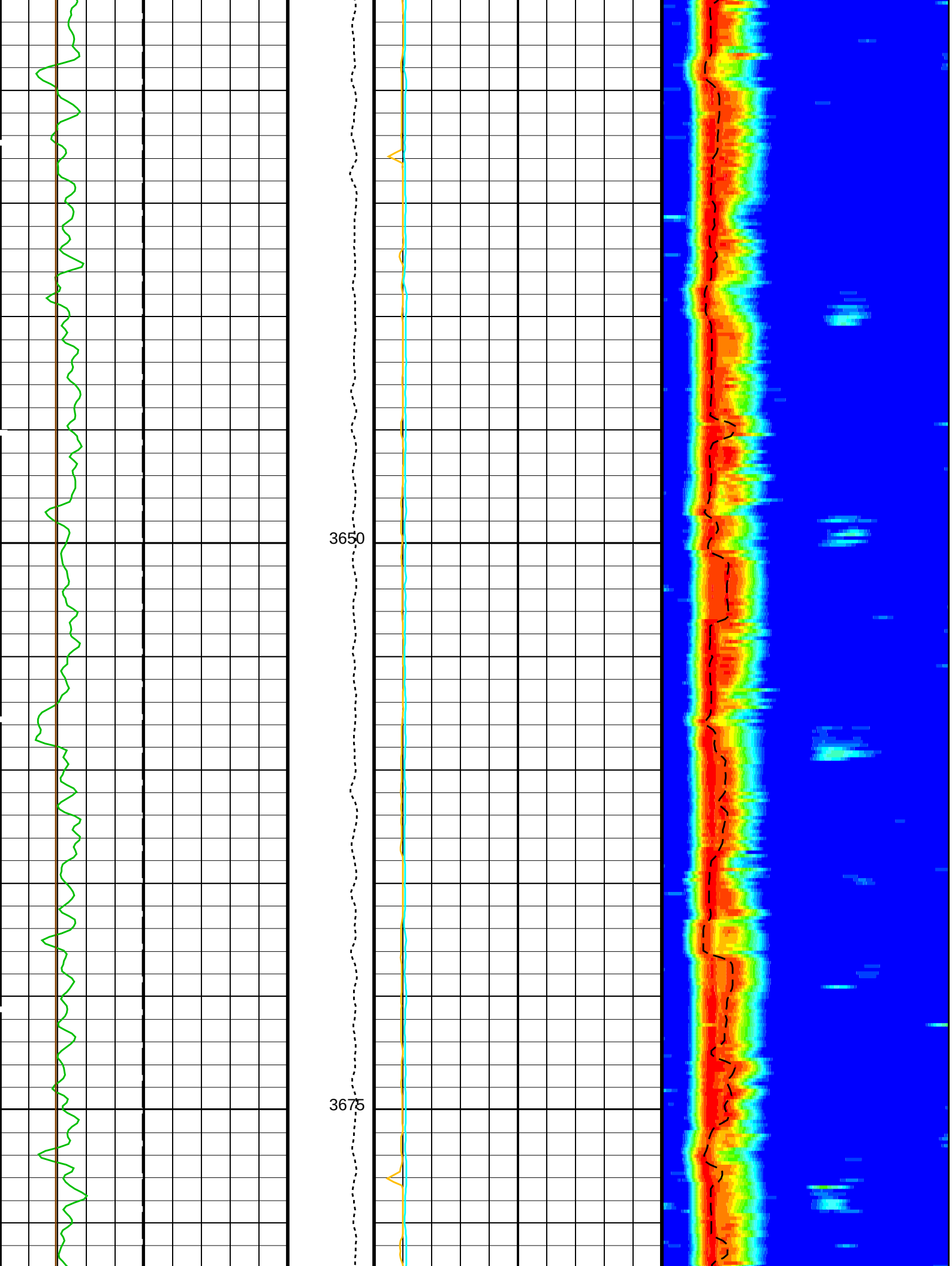
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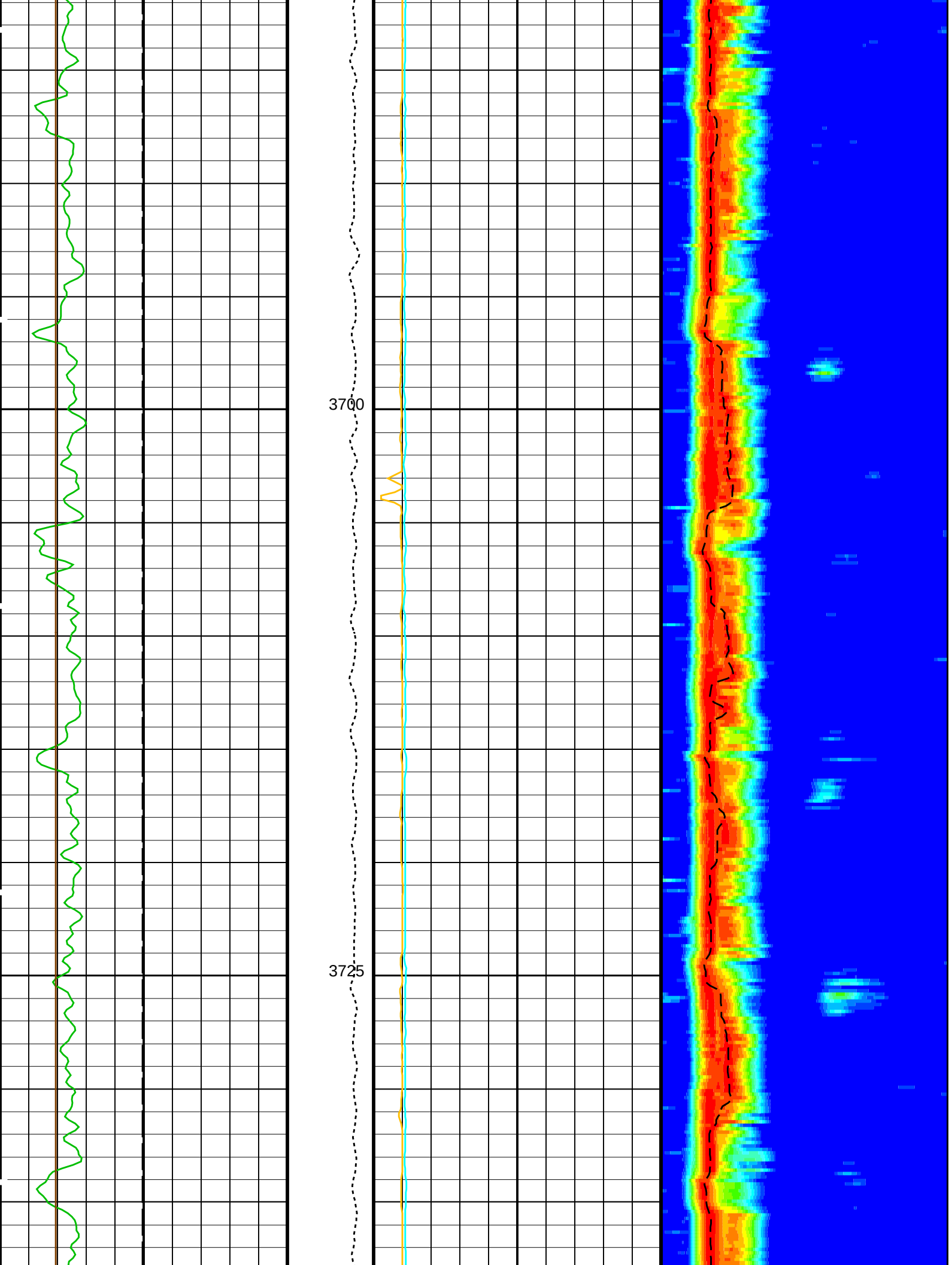
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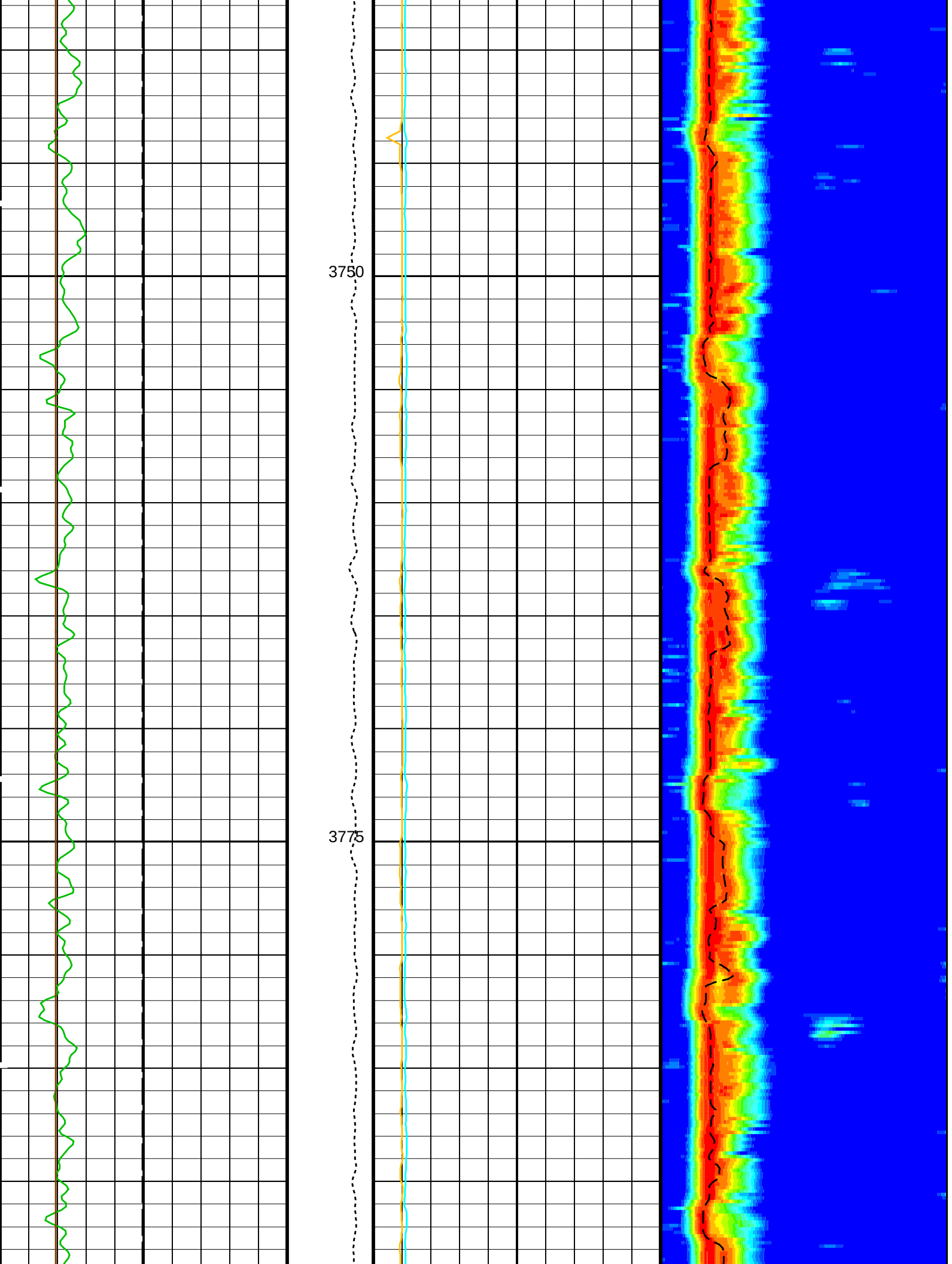
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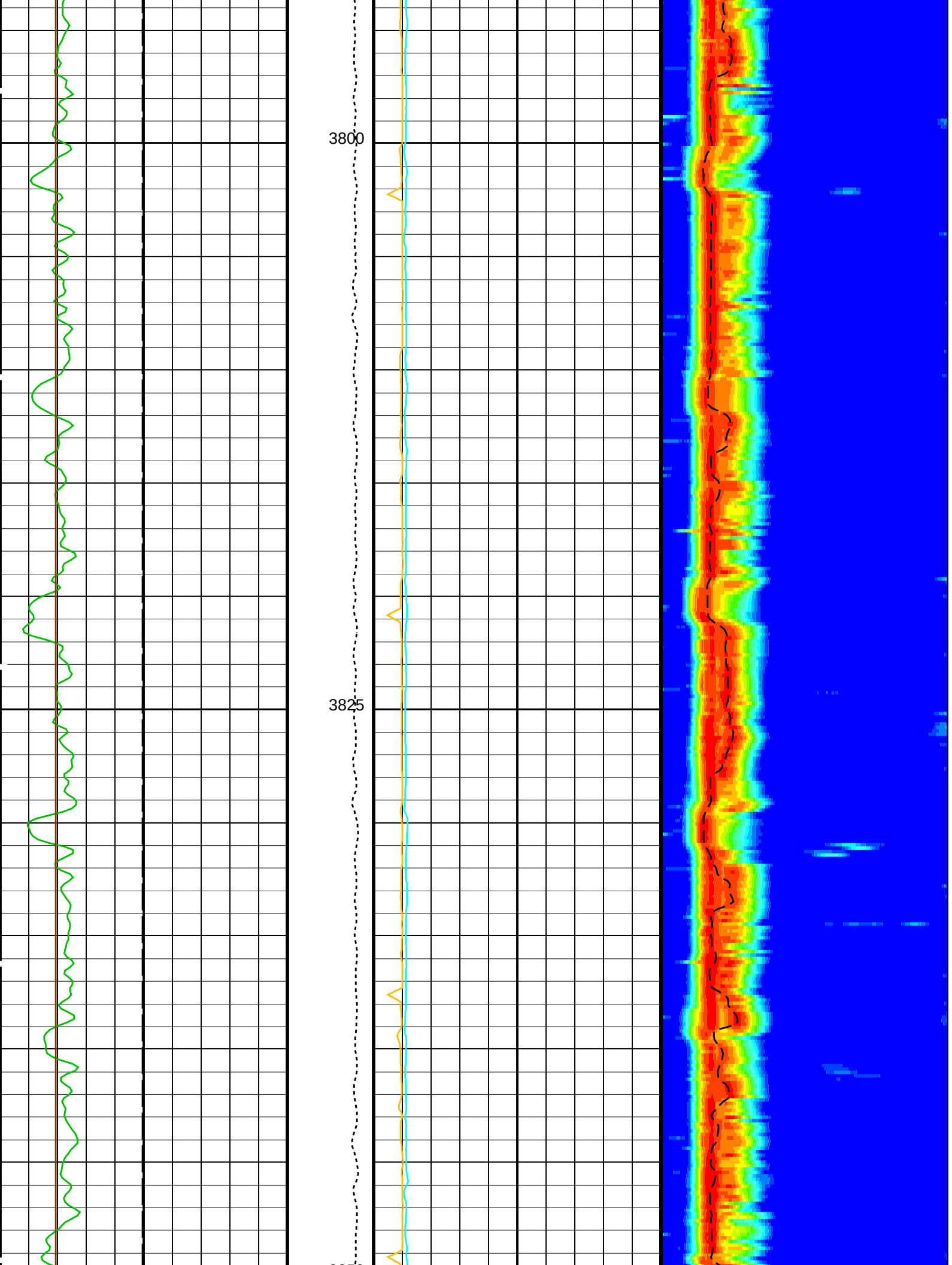
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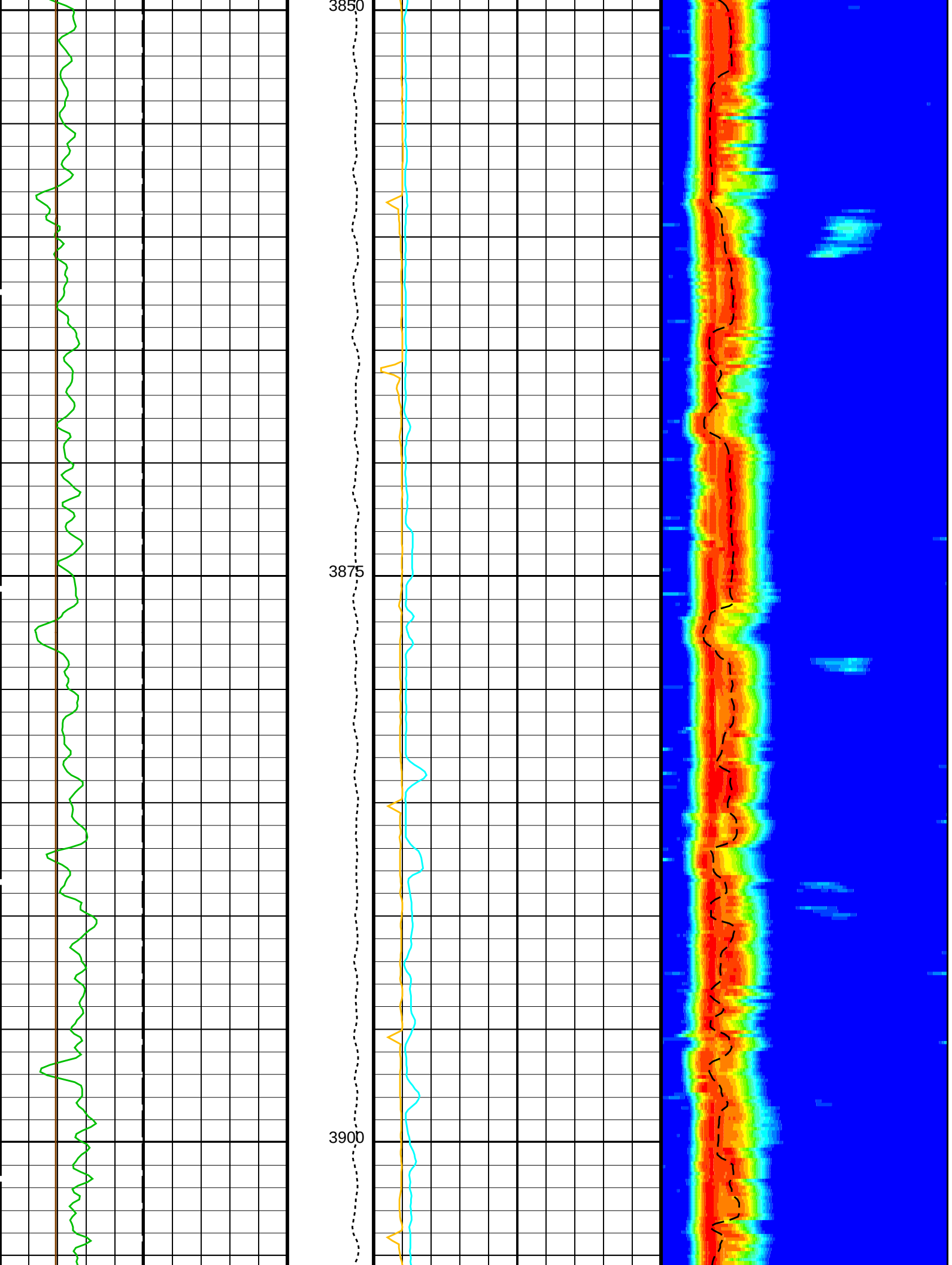
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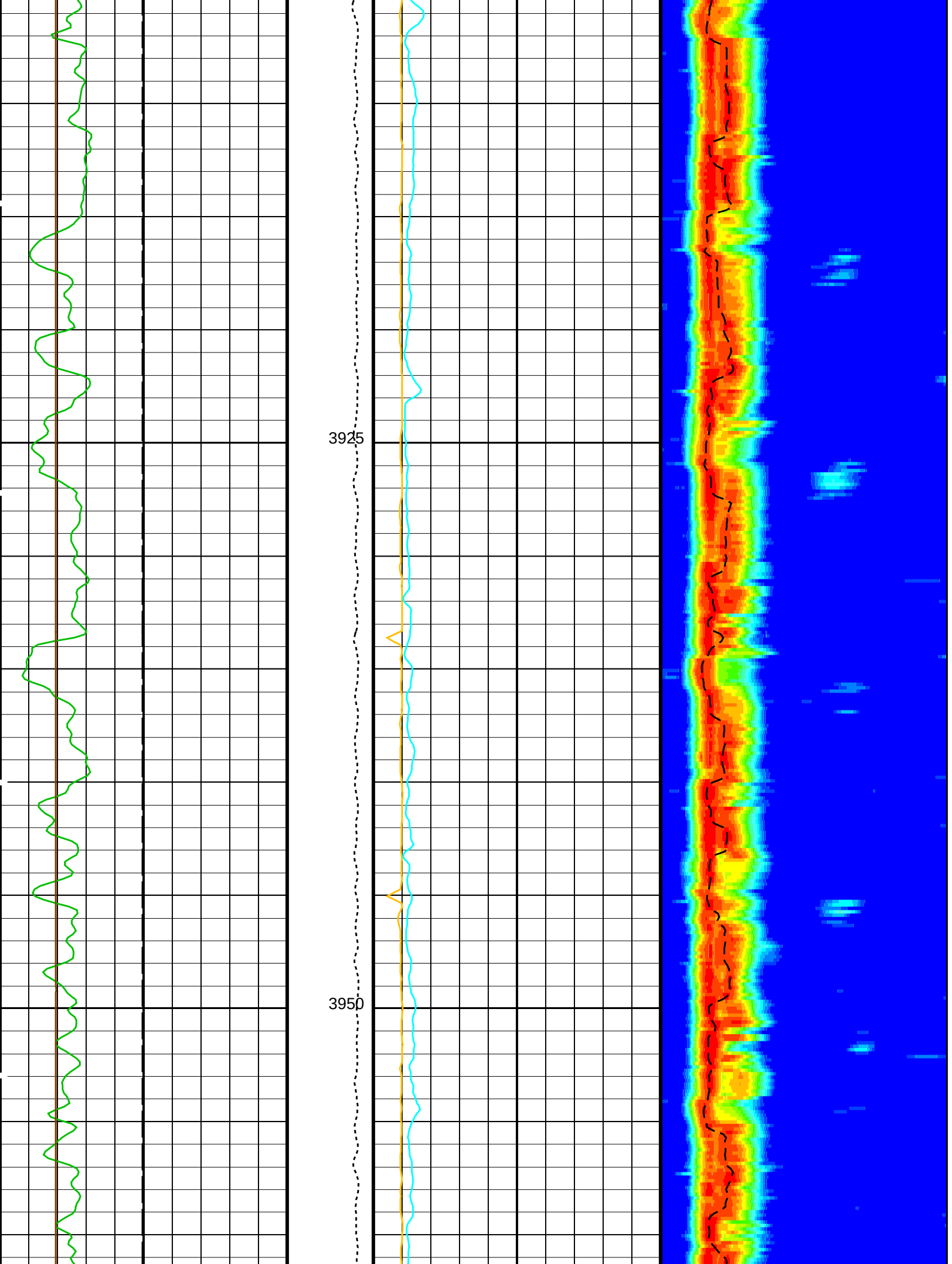
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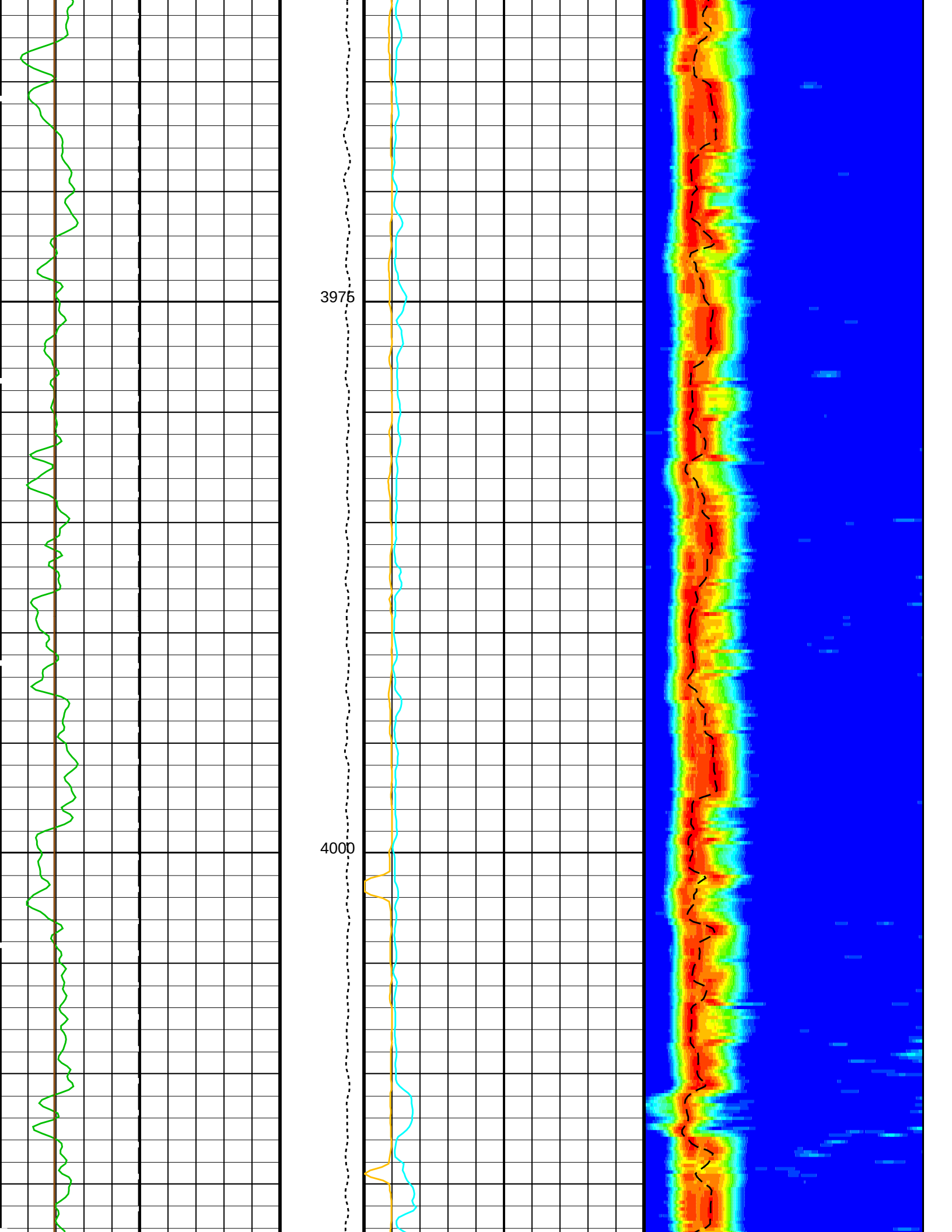
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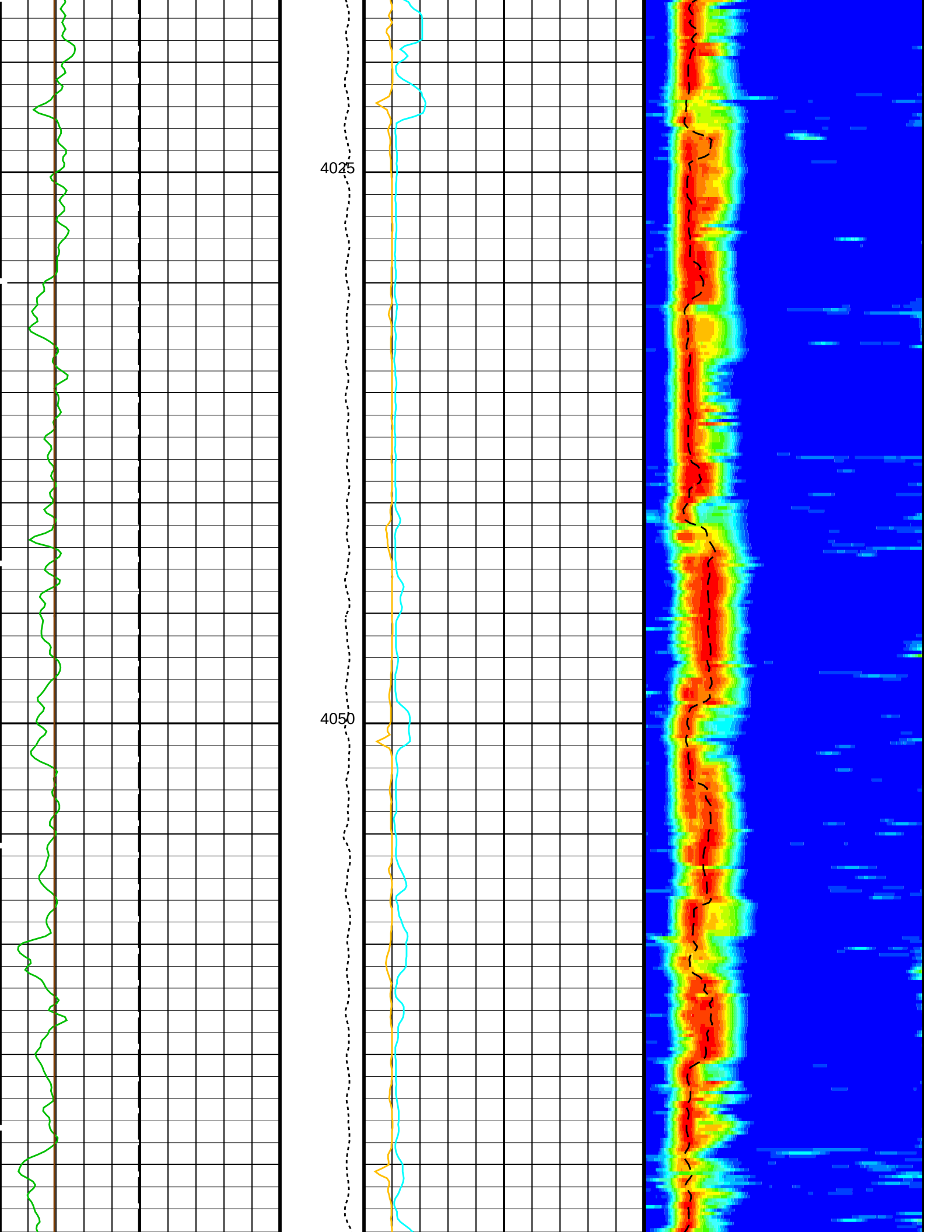
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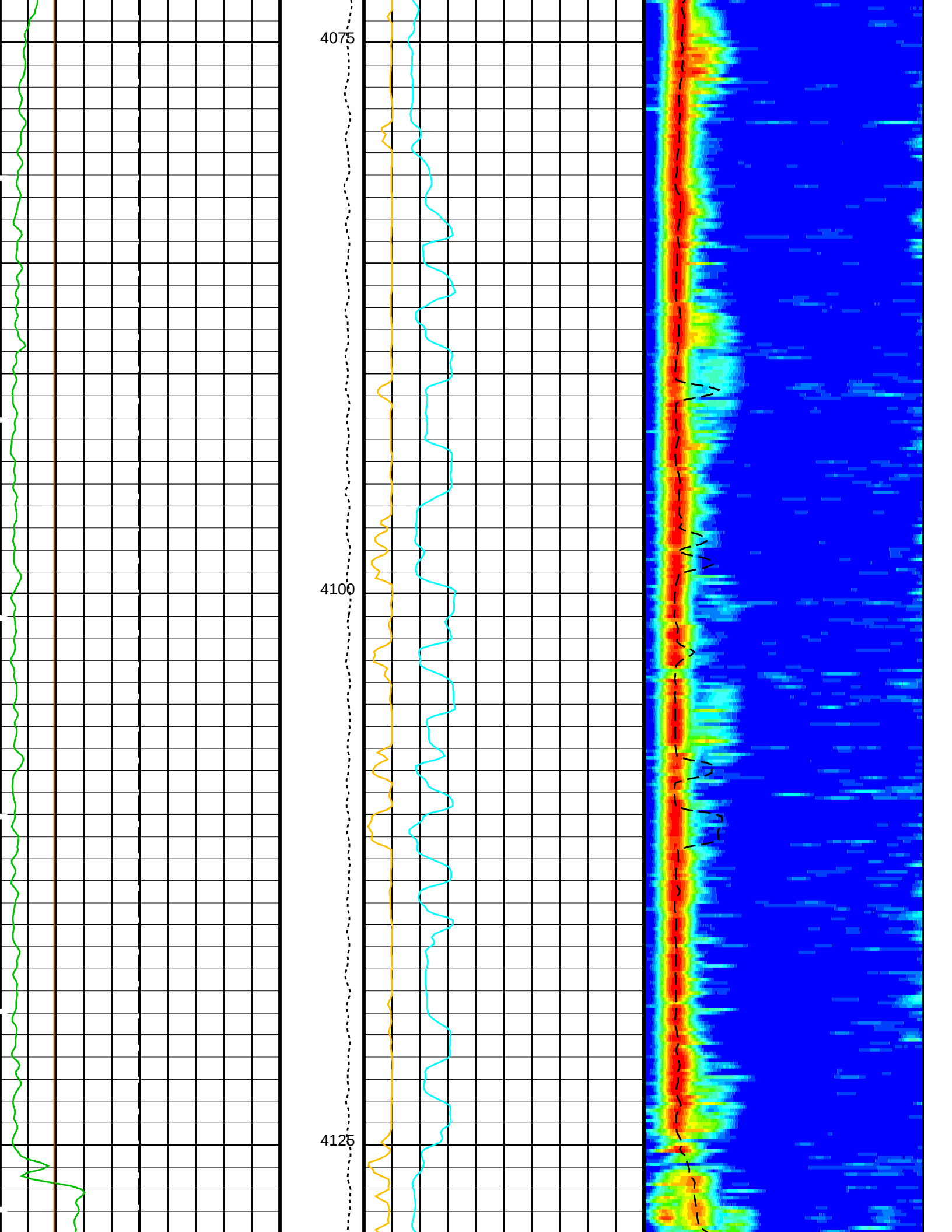
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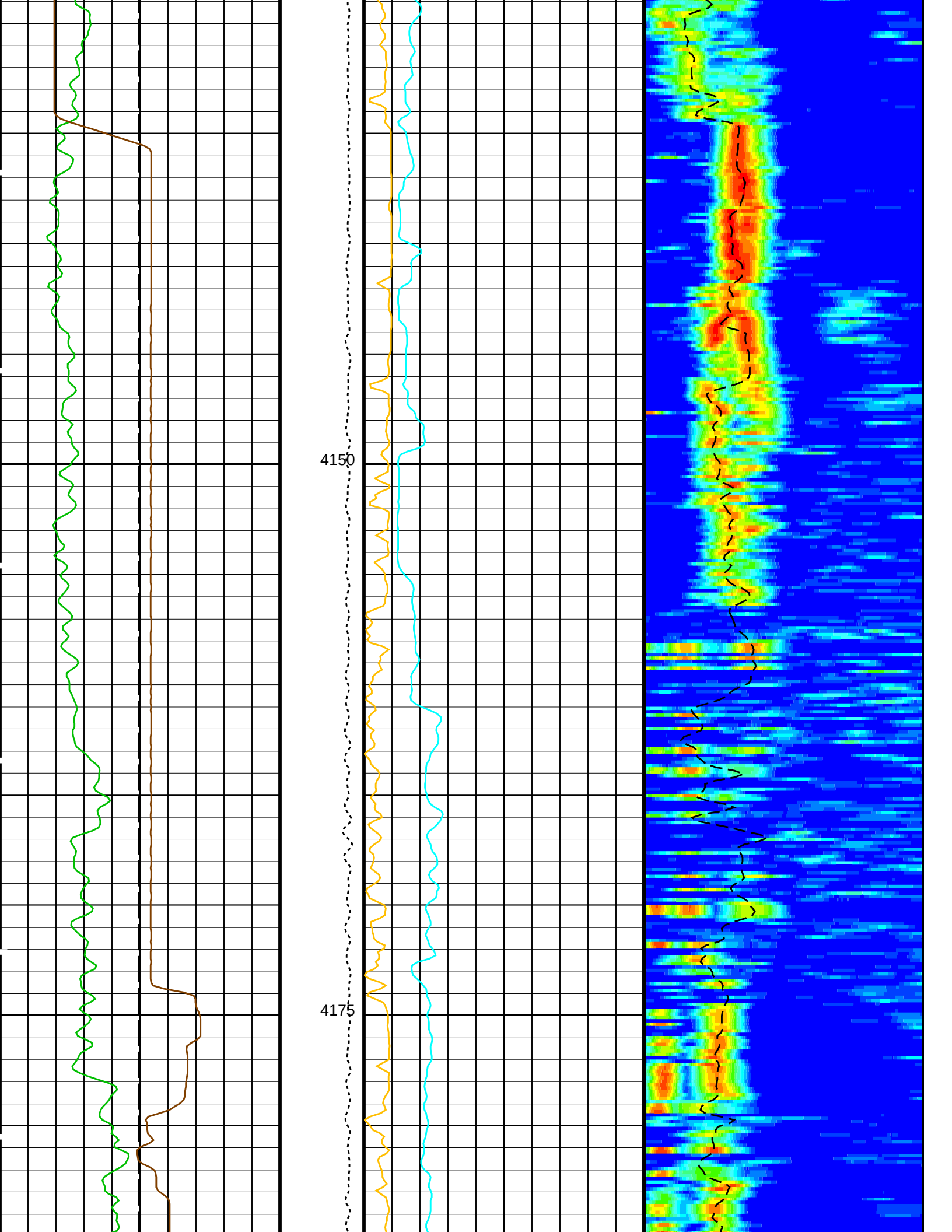
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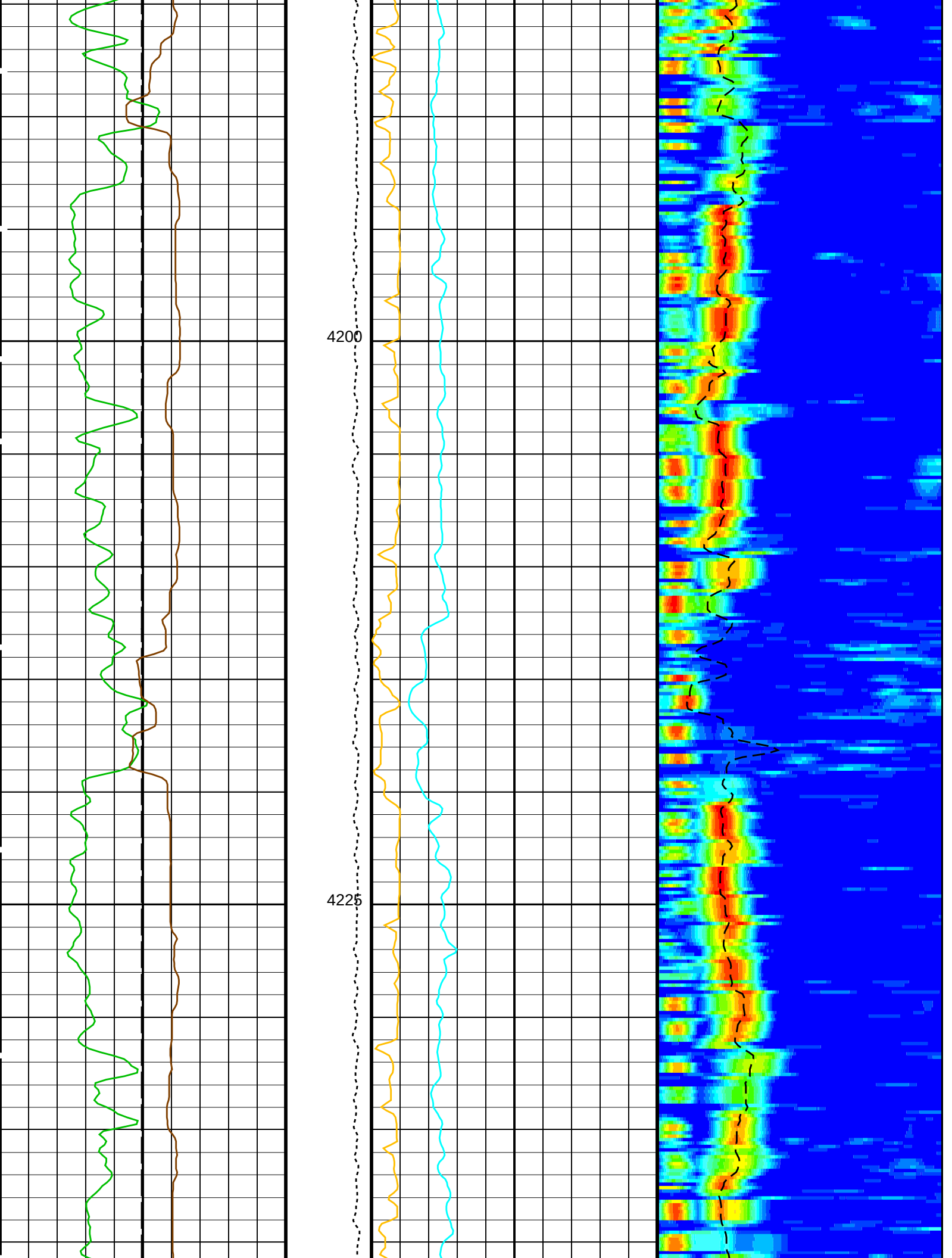
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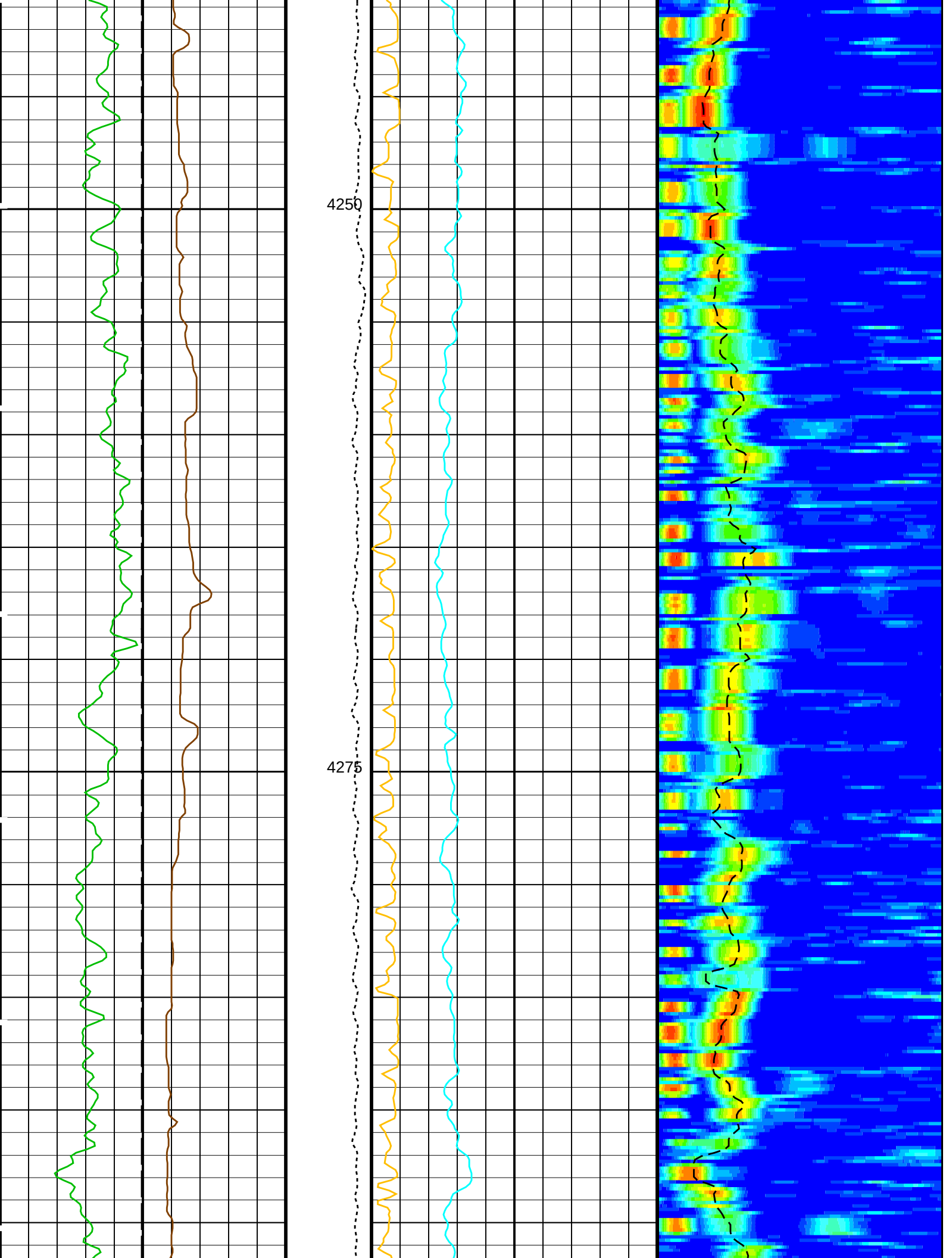
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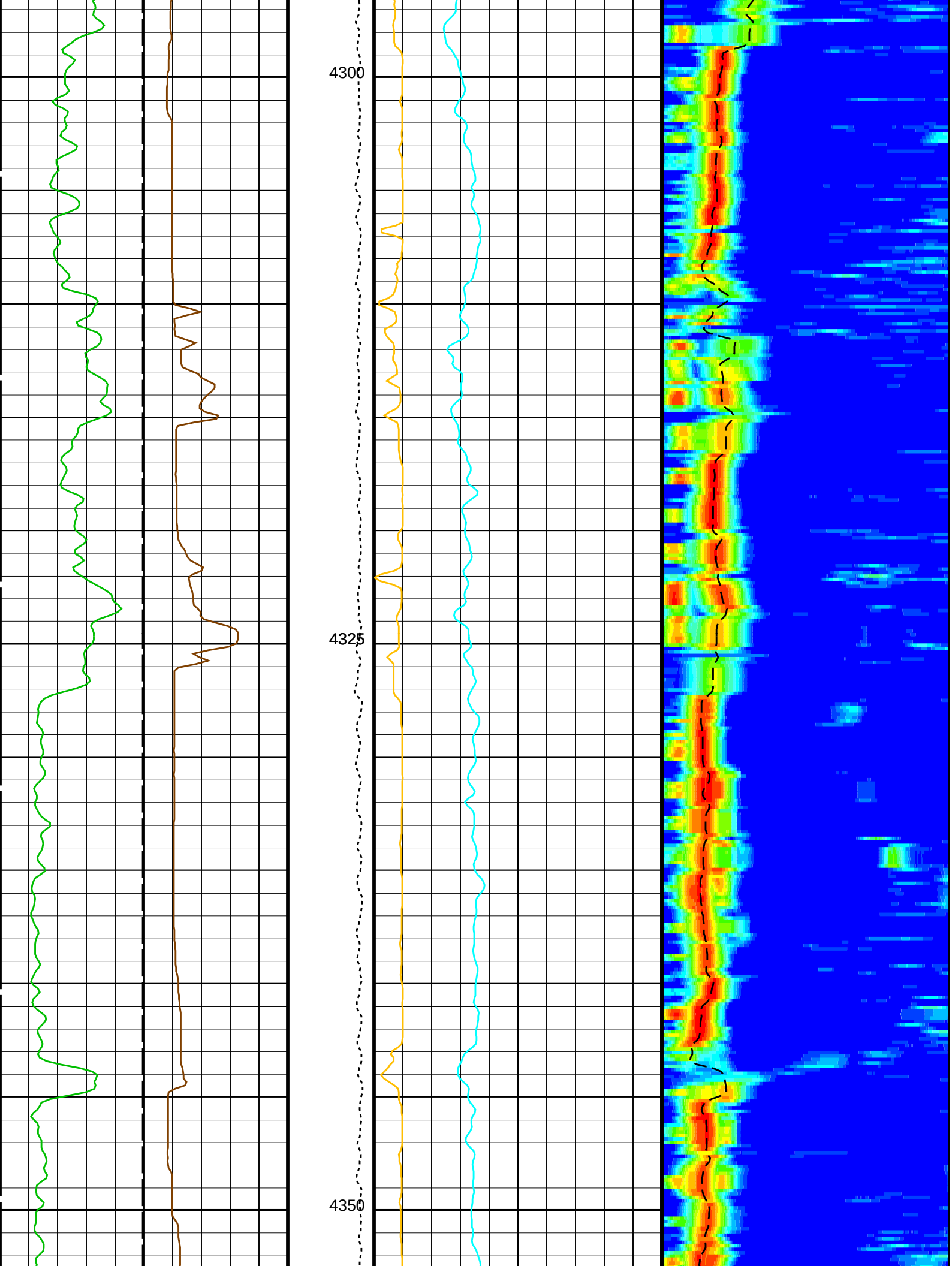
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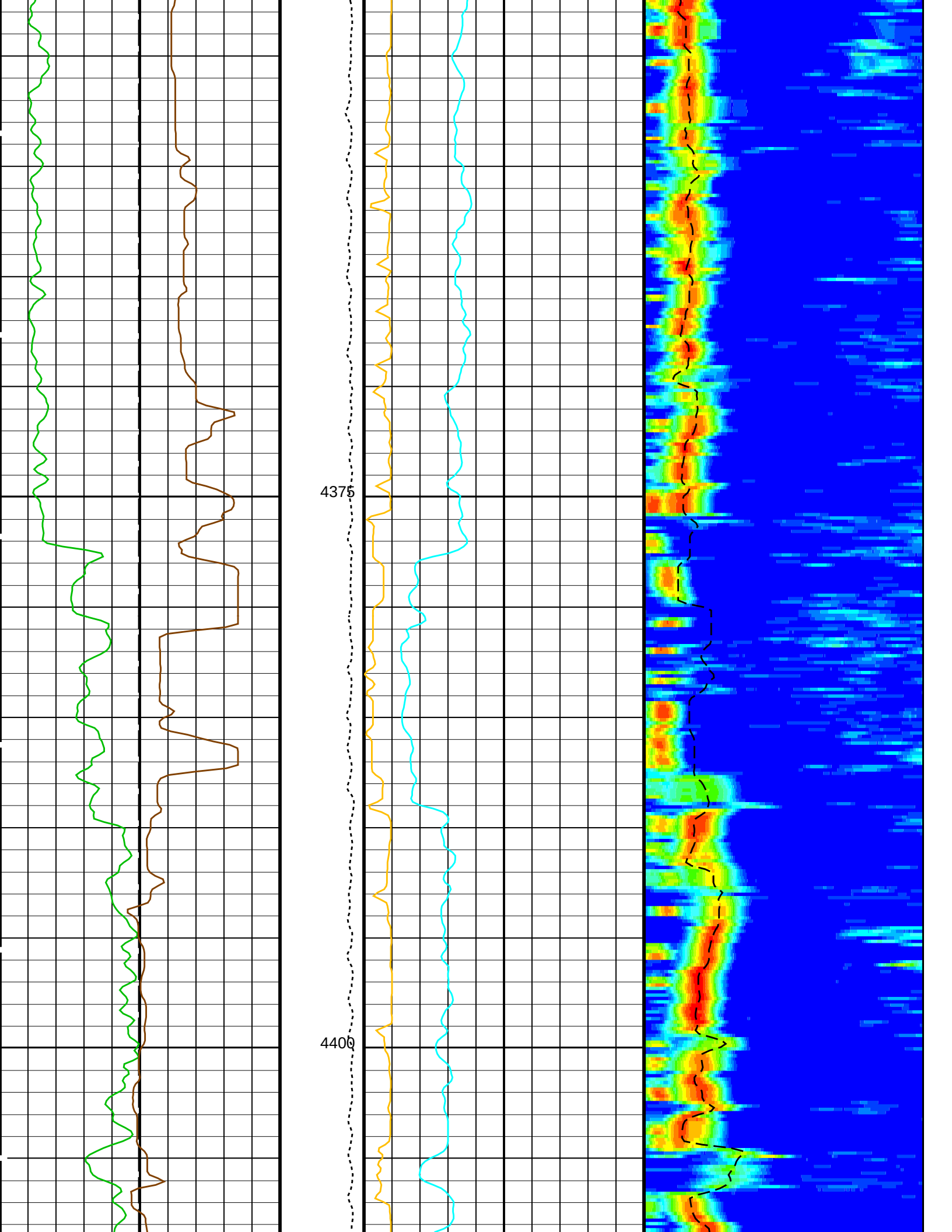
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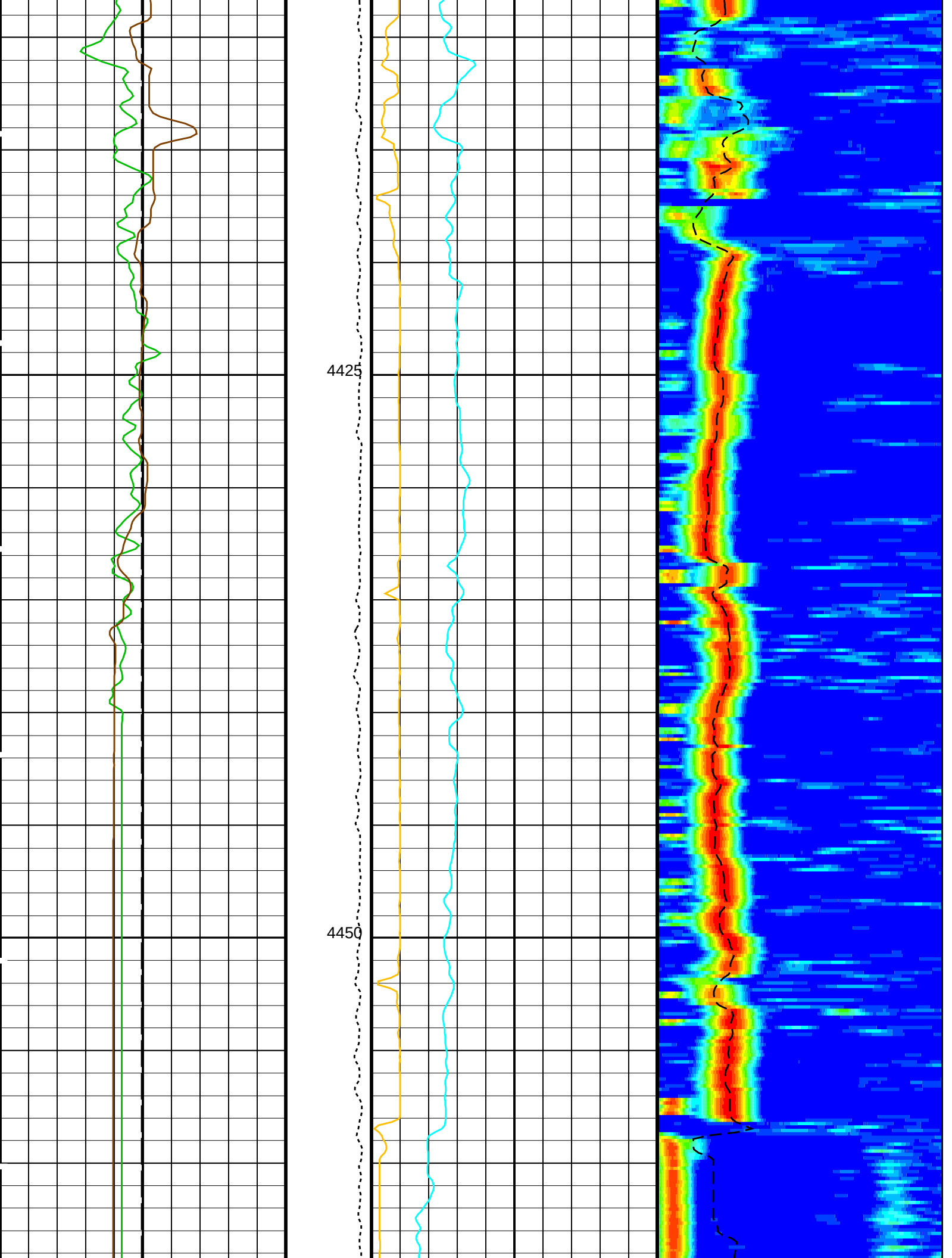
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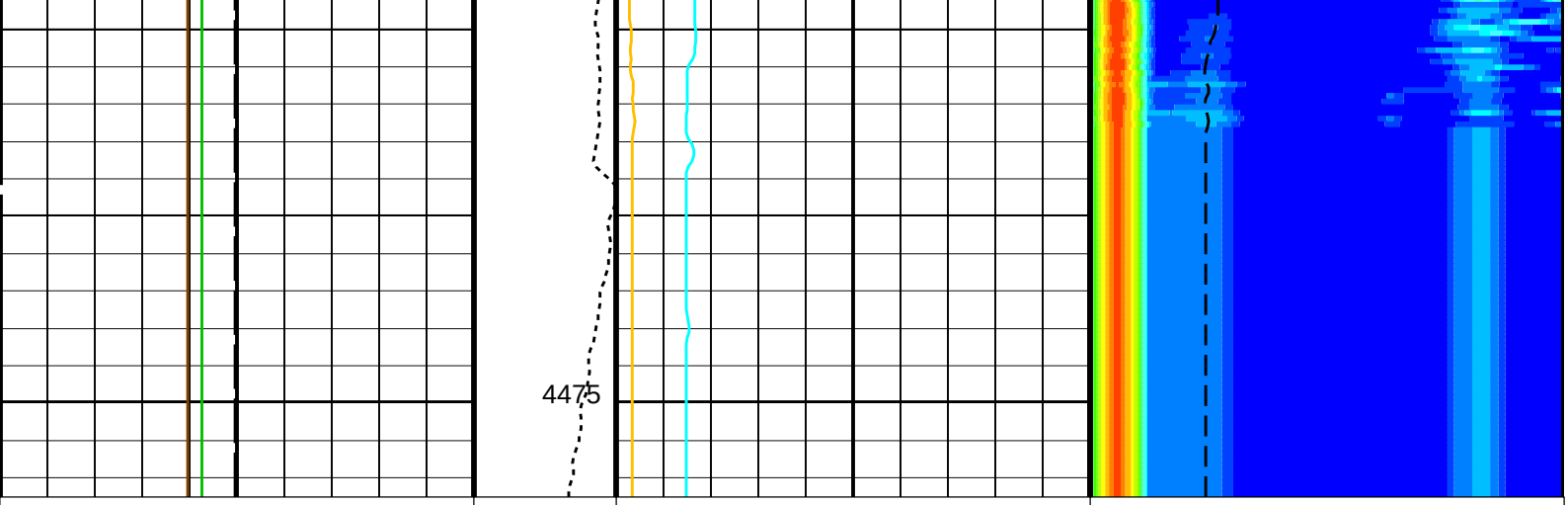


Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
DDE2	Digitizing Delay 2	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source − Dipole Shear	USE	
DSHL	Label Slowness Lower Limit − Dipole Shear	180	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	600	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
NWI2	Number Waveform Items 2	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM2	DSST Sonic Acquisition Mode 2 − Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status − Upper Dipole	255	
SBO2	STC Search Band Offset − Upper Dipole	3000	US
SBW2	STC Search Bandwidth − Upper Dipole	8000	US
SFC2	STC Formation Character − Upper Dipole	SELECTABLE	
SFM2	STC Filter − Upper Dipole	B1−2K	
SLL2	STC Slowness Lower Limit − Upper Dipole	75	US/F
SST2	STC Slowness Step − Upper Dipole	4	US/F
SSW2	STC Source Waveform − Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit − Upper Dipole	1200	US/F
SWD2	STC Slowness Width − Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill − Upper Dipole	0	US
TLL2	STC Time Lower Limit − Upper Dipole	600	US
TST2	STC Time Step − Upper Dipole	200	US
TUL2	STC Time Upper Limit − Upper Dipole	20200	US
TWD2	STC Time Width − Upper Dipole	2000	US
TWI2	STC Integration Time Window − Upper Dipole	1600	US

TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_UPPER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 09−Apr−2018 11:54

OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_014LUP	FN:19	PRODUCER	09−Apr−2018 09:38	4477.5 M	3520.6 M

Output DLIS Files

DEFAULT	DSI_HRLA_LDL_021PUP	FN:30	PRODUCER	09−Apr−2018 11:54		
RTB	DSI_HRLA_LDL_021PUP	FN:31	PRODUCER	09−Apr−2018 11:54		

Company: International Ocean Discovery Program Well: Expedition 375, Site U1520C

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_014LUP	FN:19	PRODUCER	09−Apr−2018 09:38	4477.5 M	3520.6 M

Output DLIS Files

DEFAULT	DSI_HRLA_LDL_021PUP	FN:30	PRODUCER	09−Apr−2018 11:54	4477.5 M	3520.6 M
RTB	DSI_HRLA_LDL_021PUP	FN:31	PRODUCER	09−Apr−2018 11:54	4477.5 M	3520.6 M

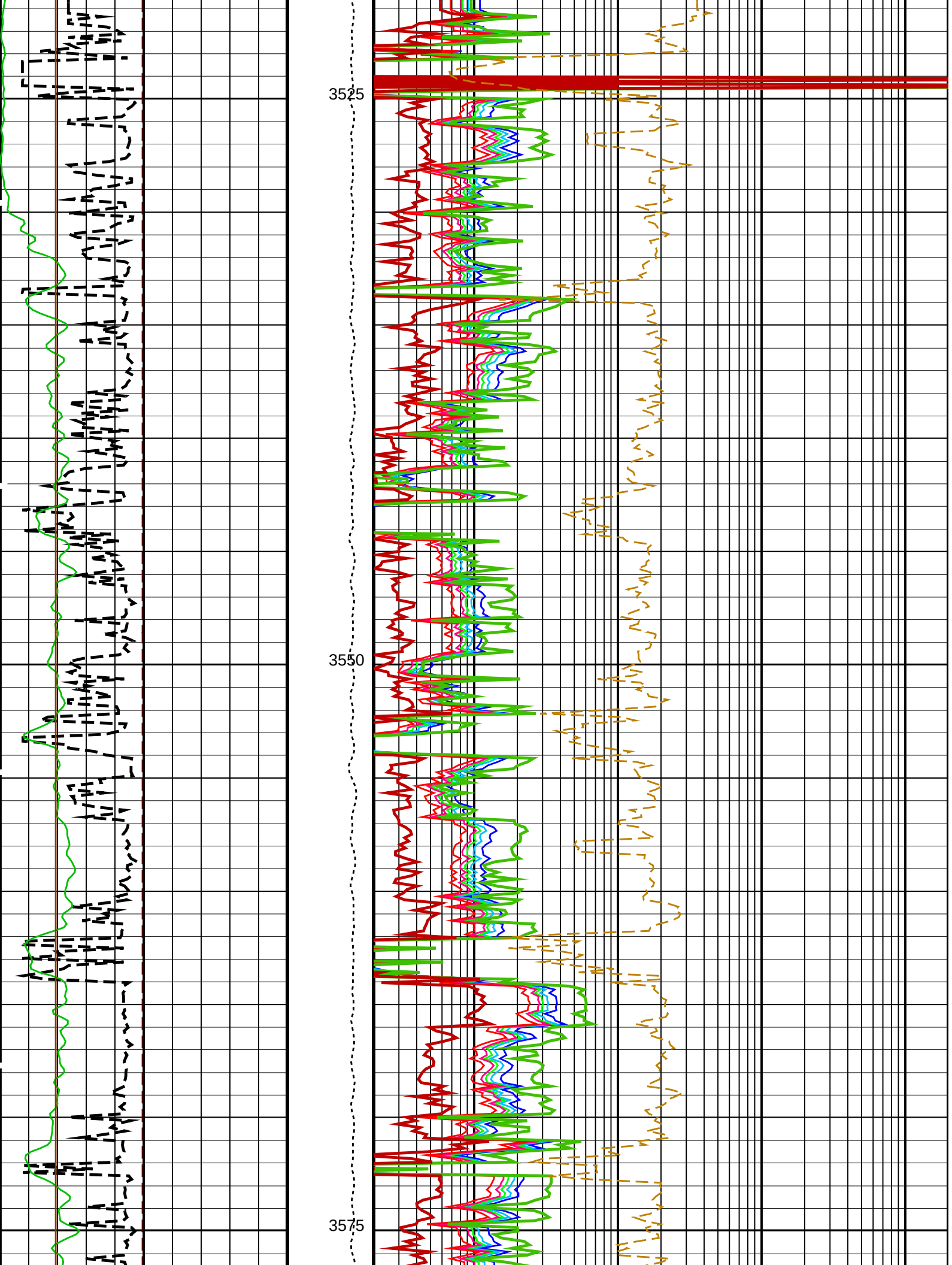
OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

PIP SUMMARY

Time Mark Every 60 S

Invasion Diameter (DI_HRLT) 0 (IN) 50		HRLT True Resistivity (RT_HRLT) 0.2 (OHMM) 2000
		Invaded Zone Resistivity (RXO_HRLT) 0.2 (OHMM) 2000
		HRLT Mud Resistivity (RM_HRLT) 0.02 (OHMM) 200
		HRLT Resistivity 5 (RLA5) 0.2 (OHMM) 2000
		HRLT Resistivity 4 (RLA4) 0.2 (OHMM) 2000
HLDS Caliper (LCAL) 0 (IN) 20		HRLT Resistivity 3 (RLA3) 0.2 (OHMM) 2000
Gamma Ray (GR_EDTC) 0 (GAPI) 150		HRLT Resistivity 2 (RLA2) 0.2 (OHMM) 2000
Bit Size (BS) 0 (IN) 20	Tension (TENS) (LBF) 0 7500	HRLT Resistivity 1 (RLA1) 0.2 (OHMM) 2000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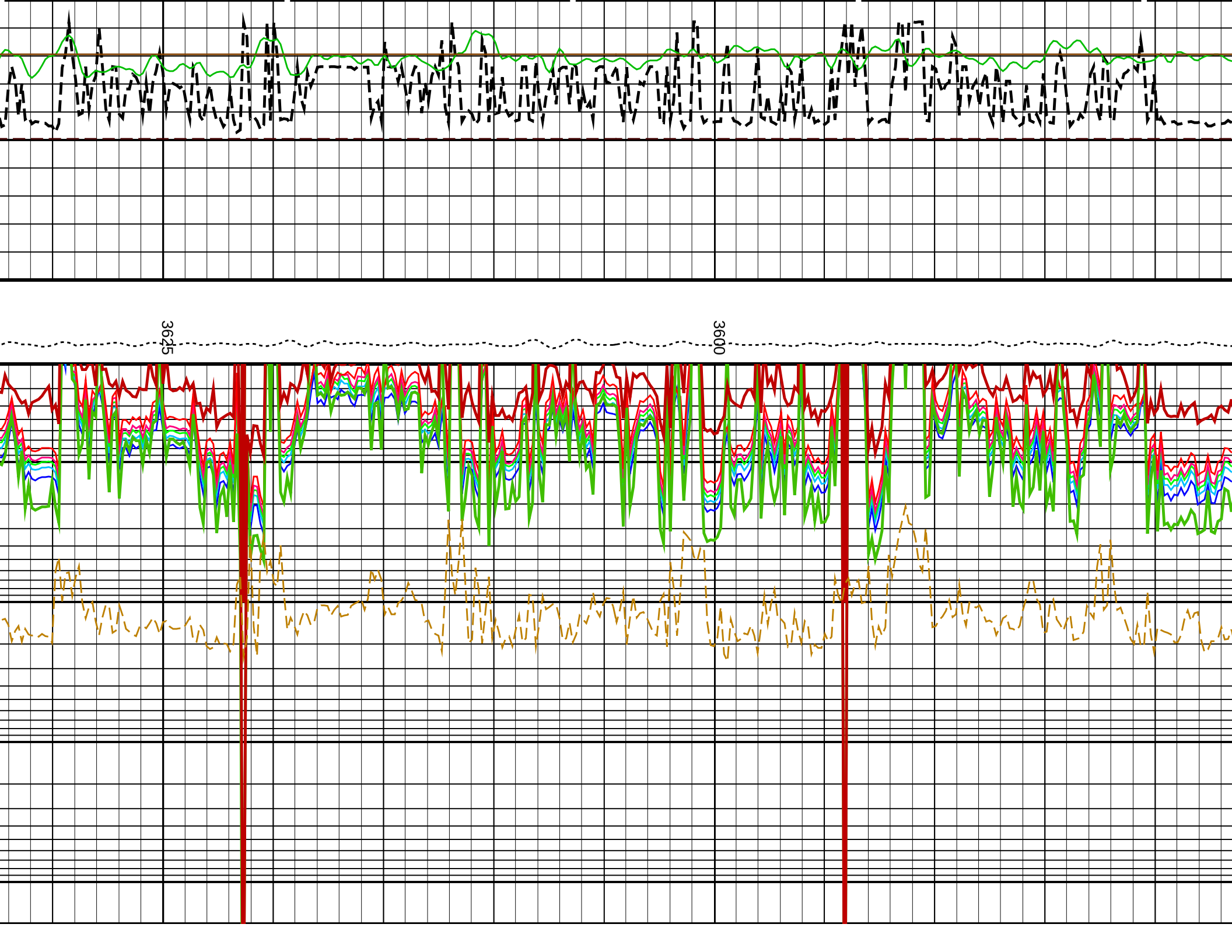
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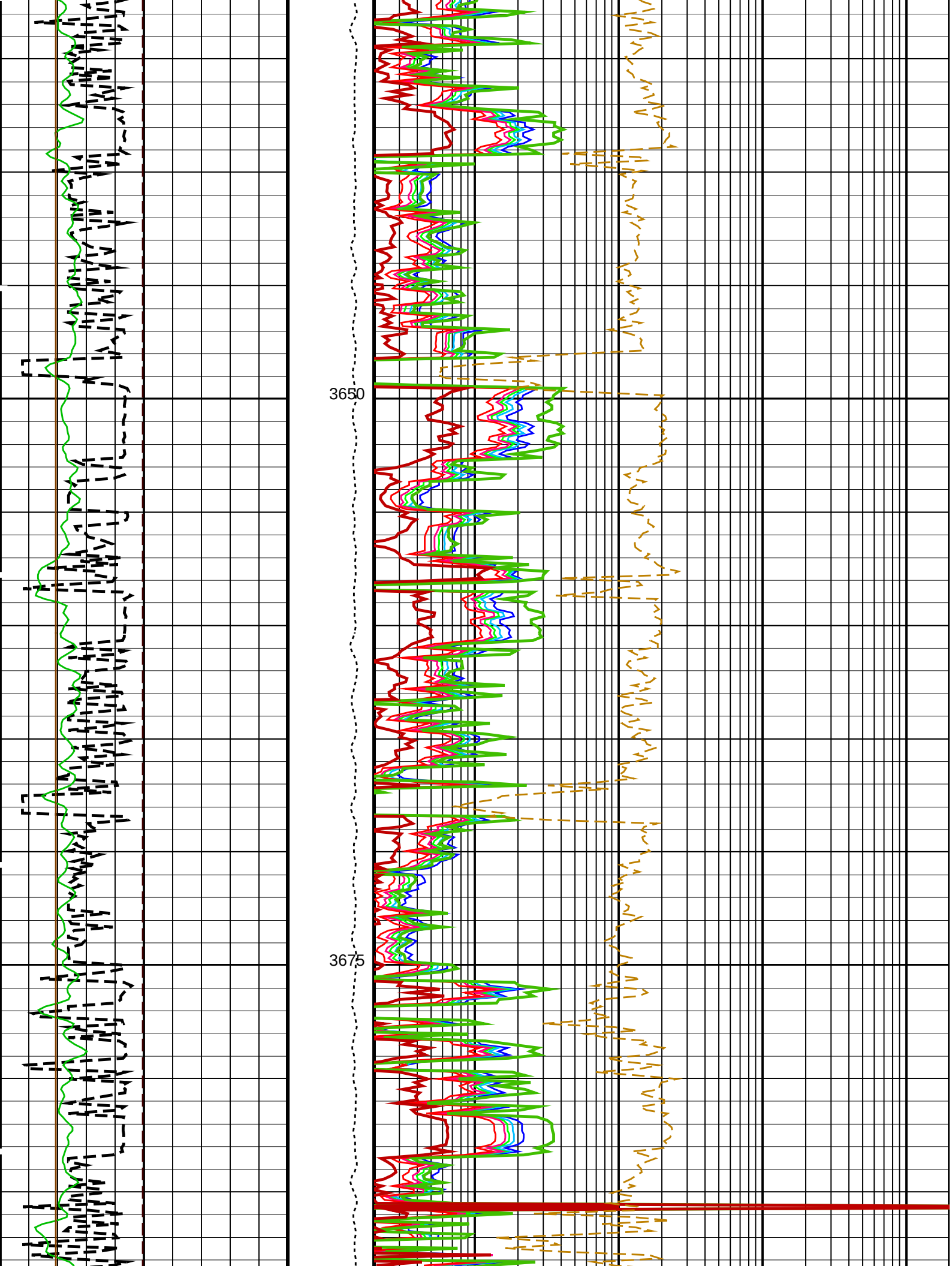
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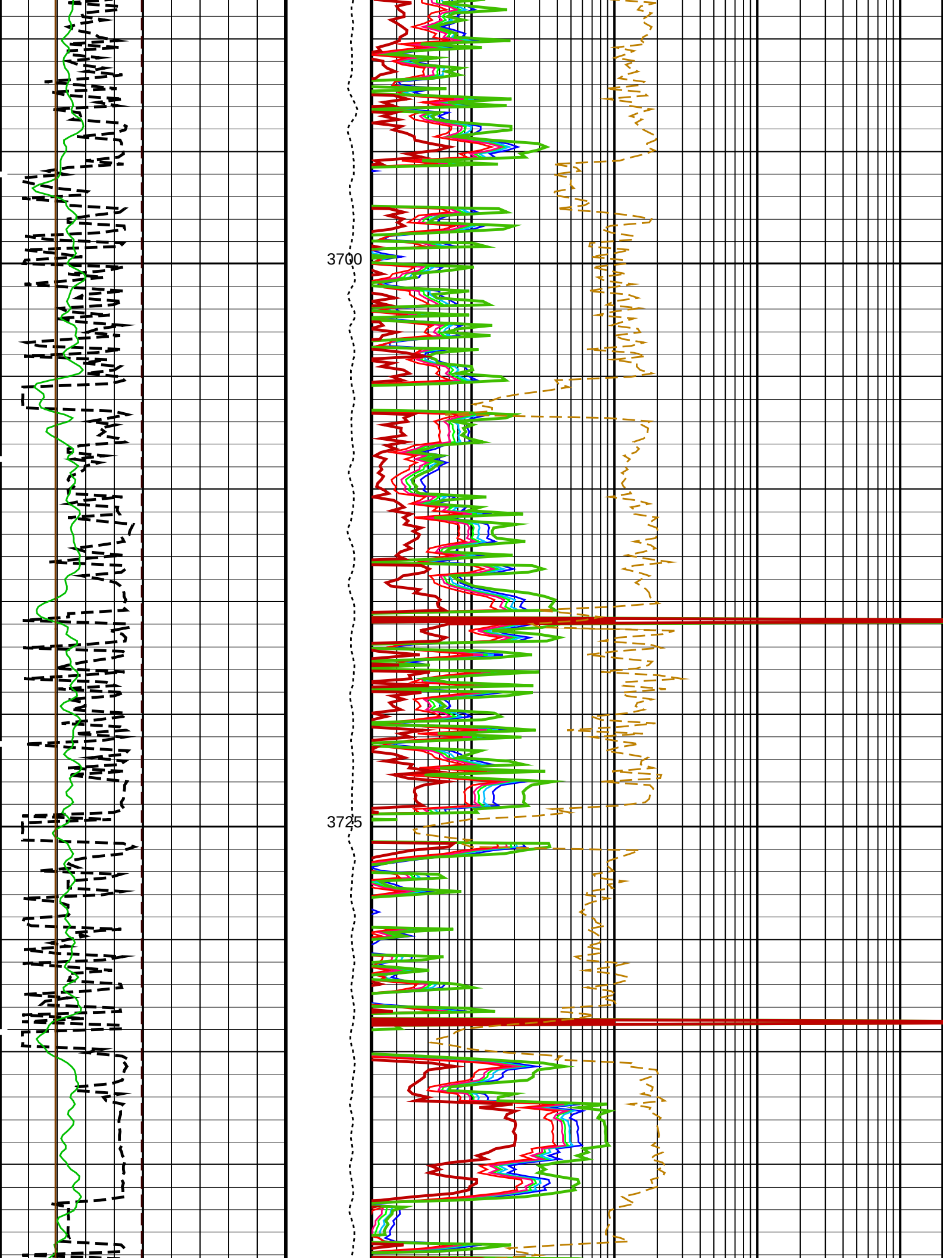
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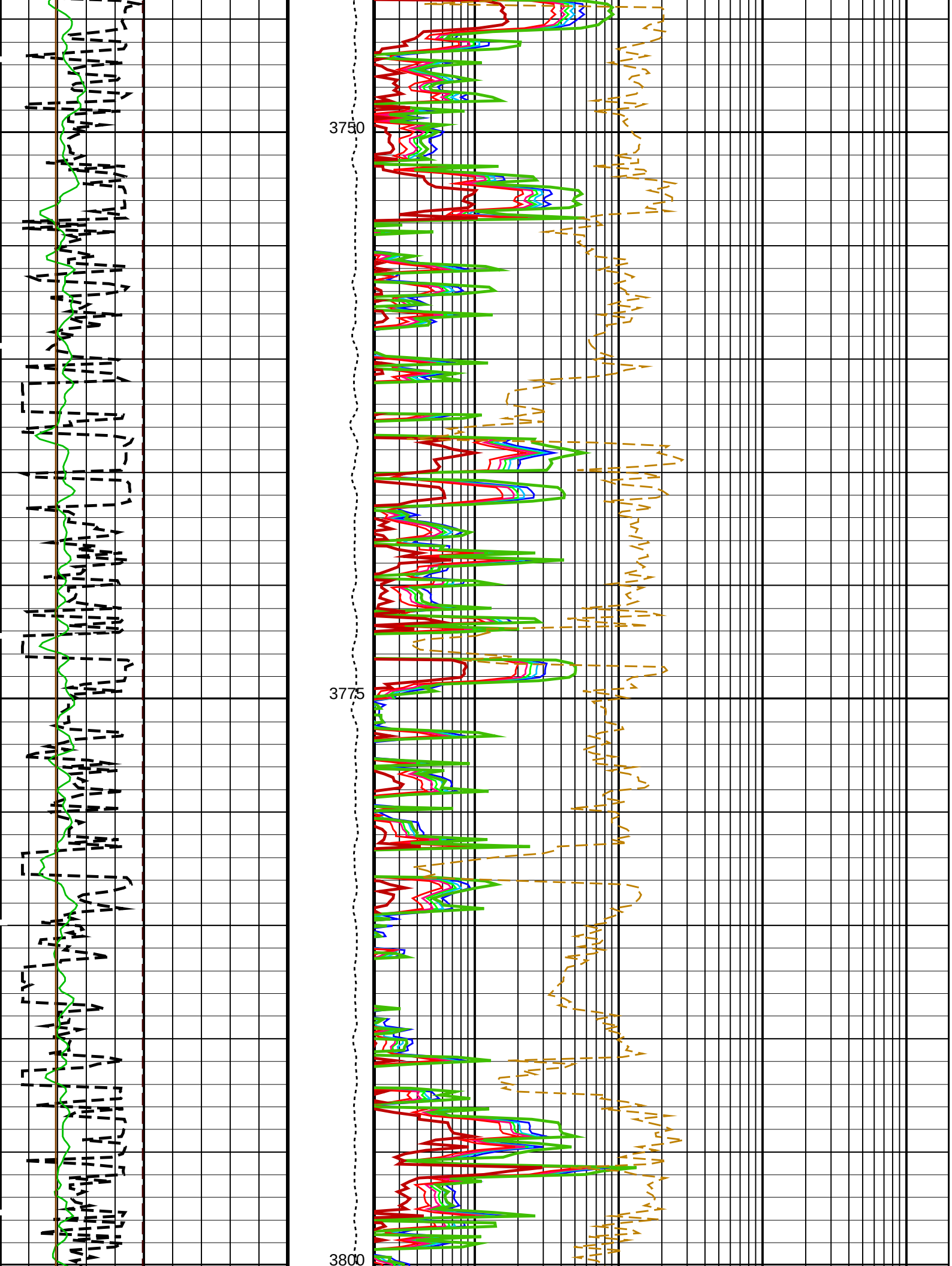
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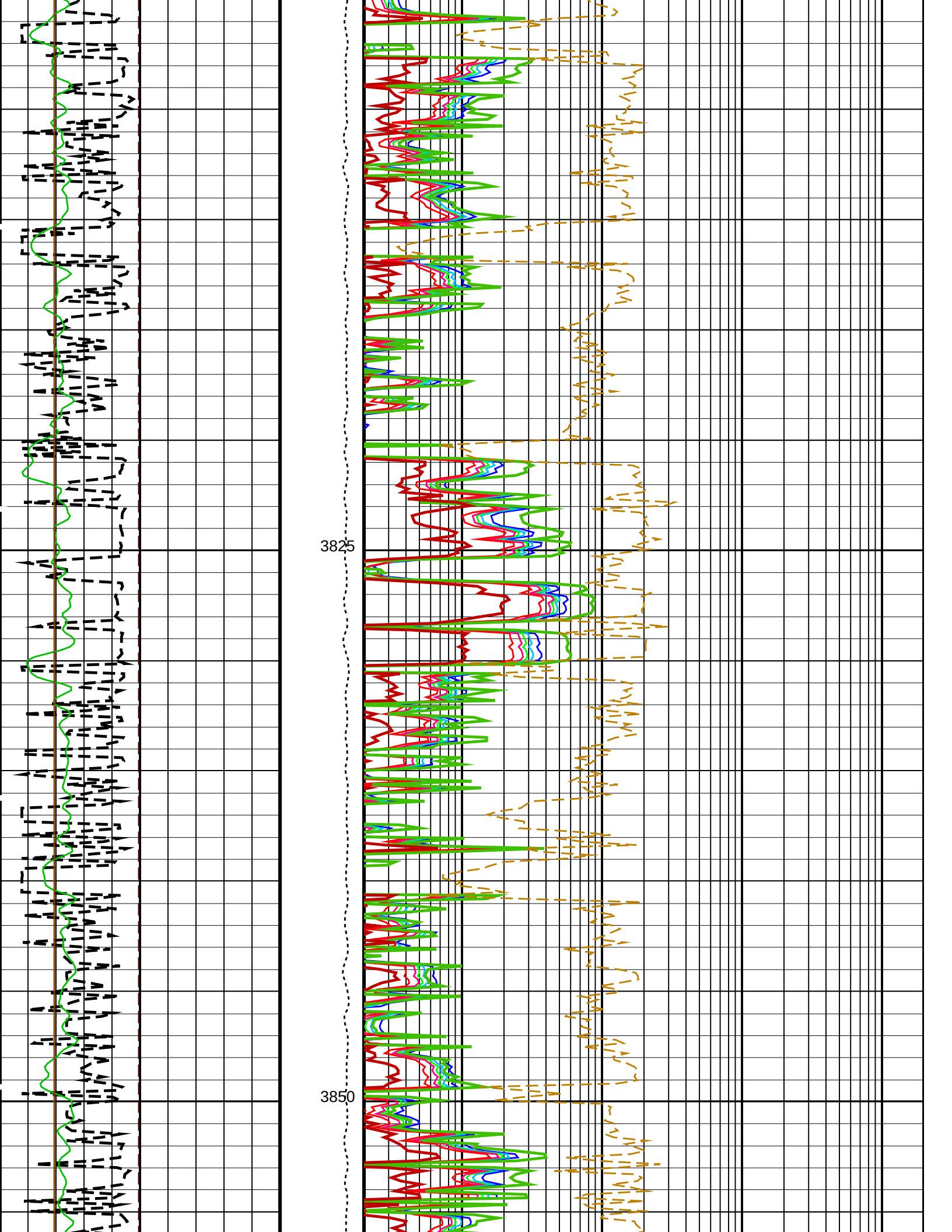
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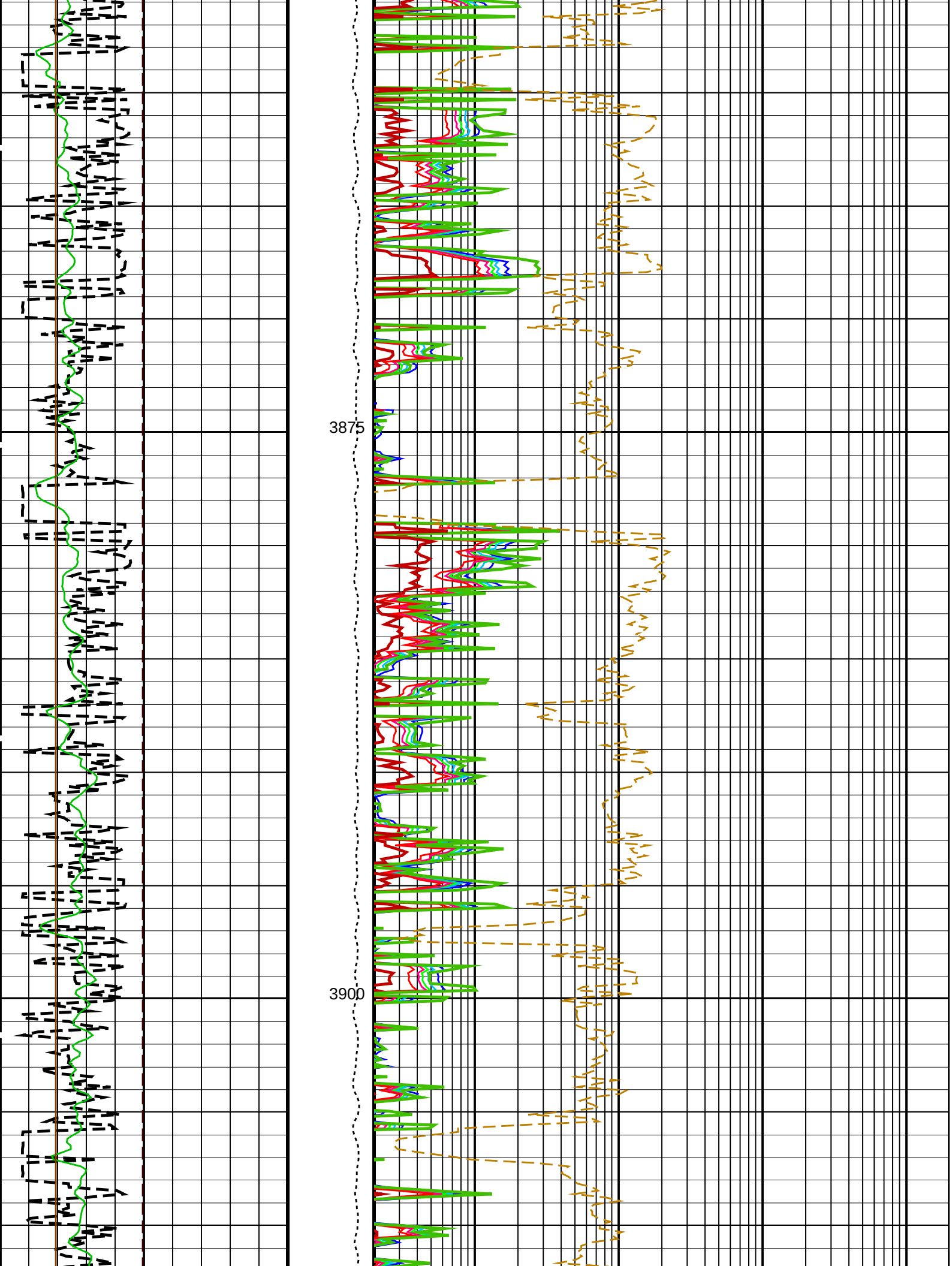
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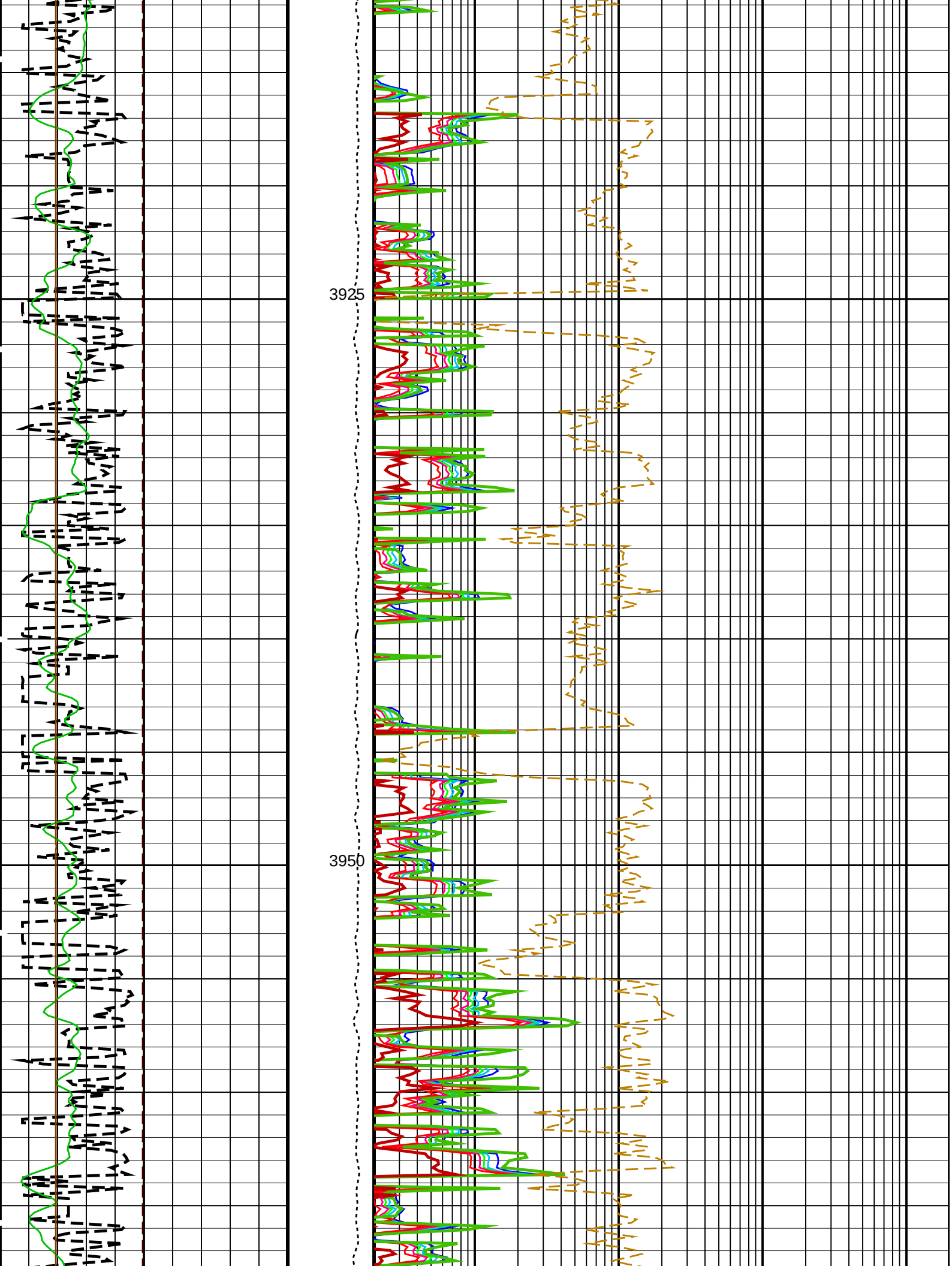
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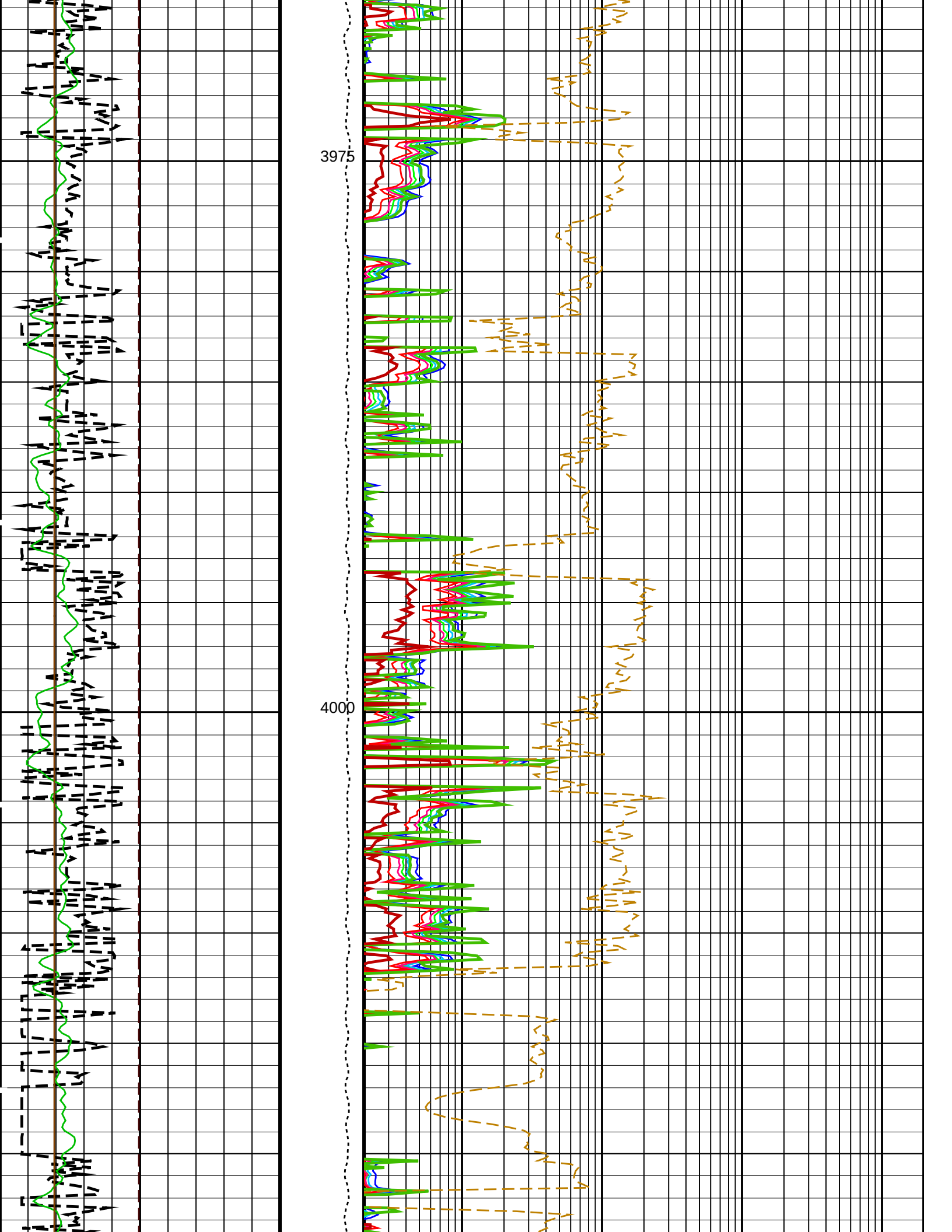
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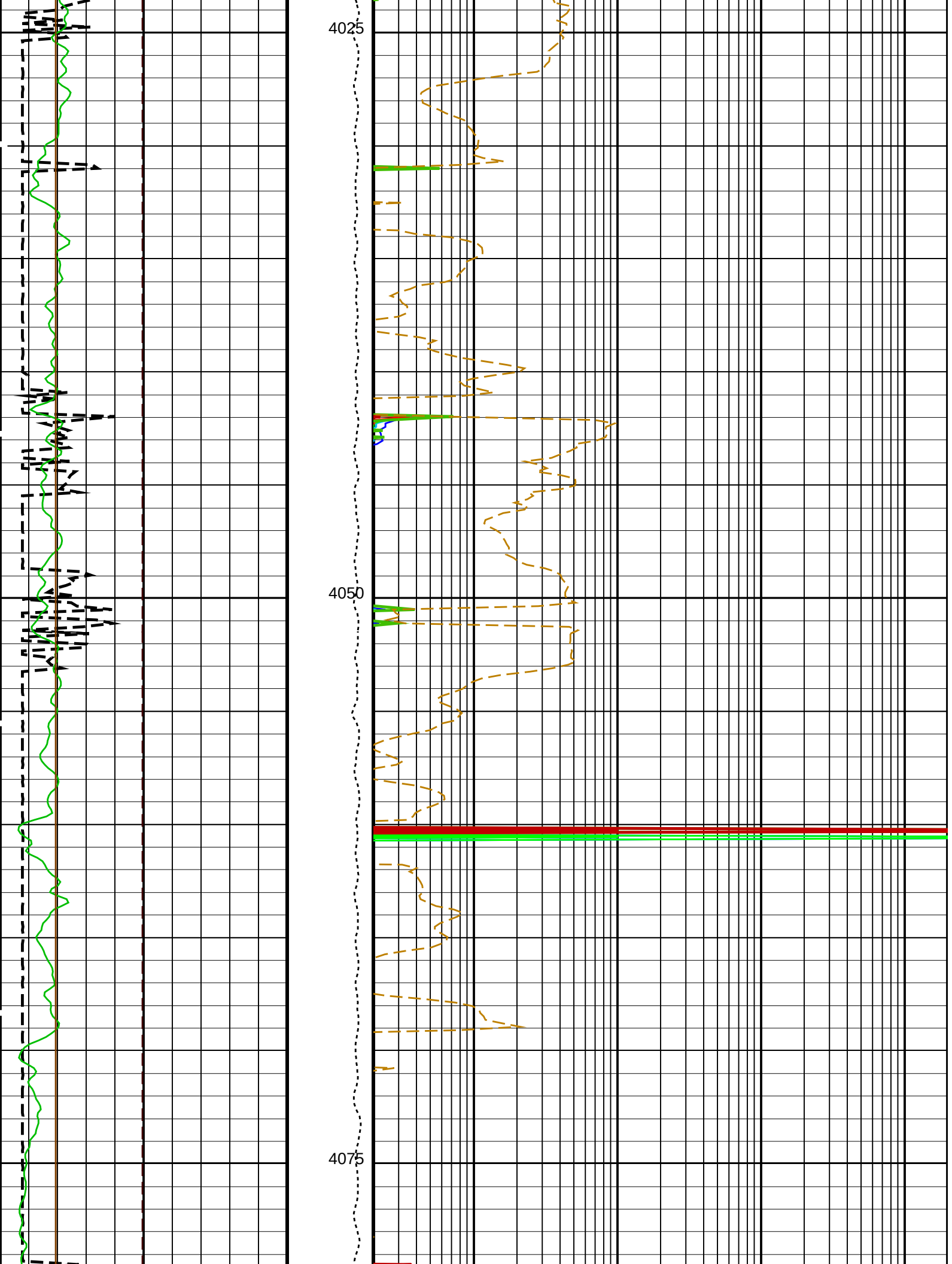
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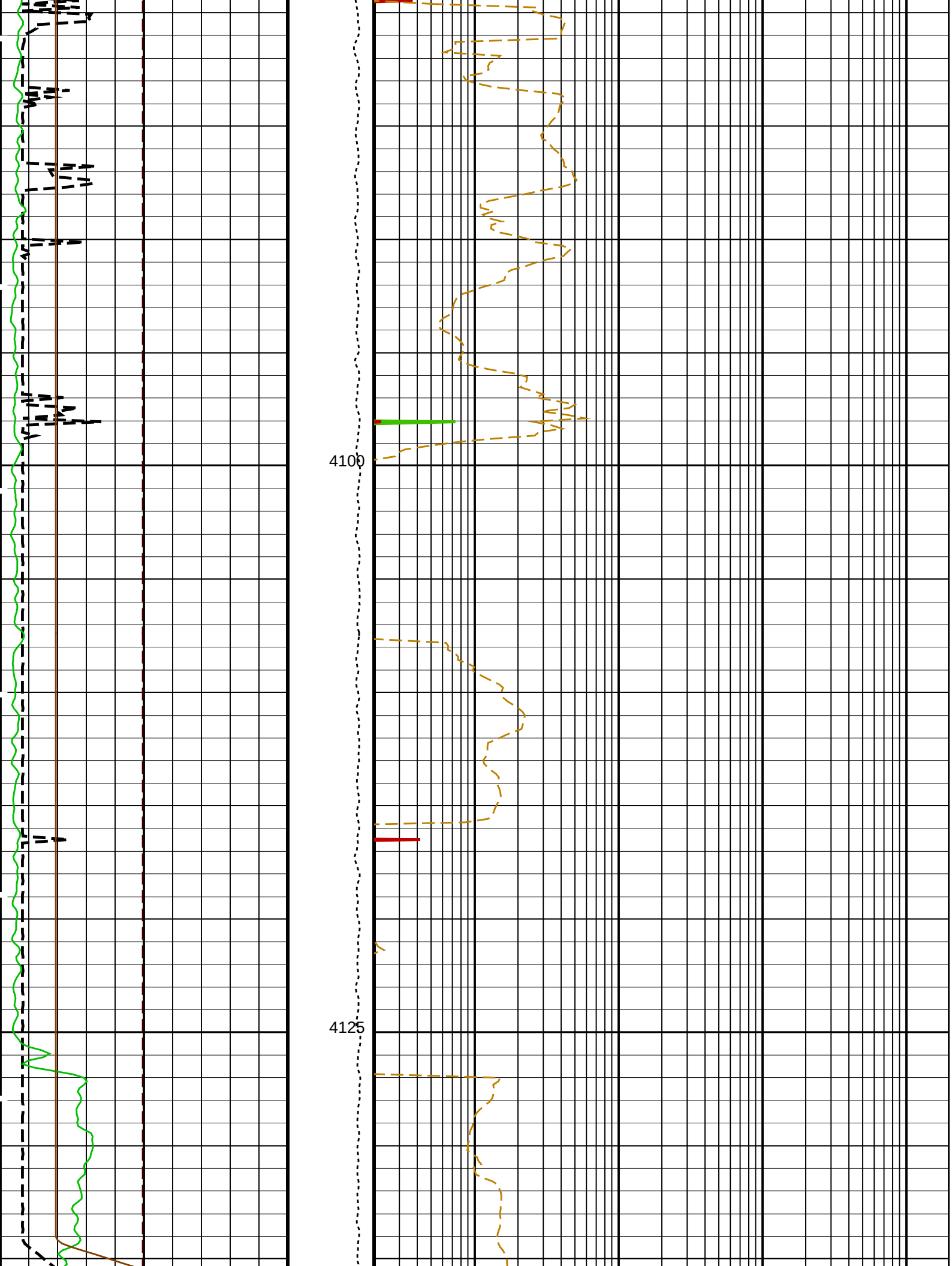
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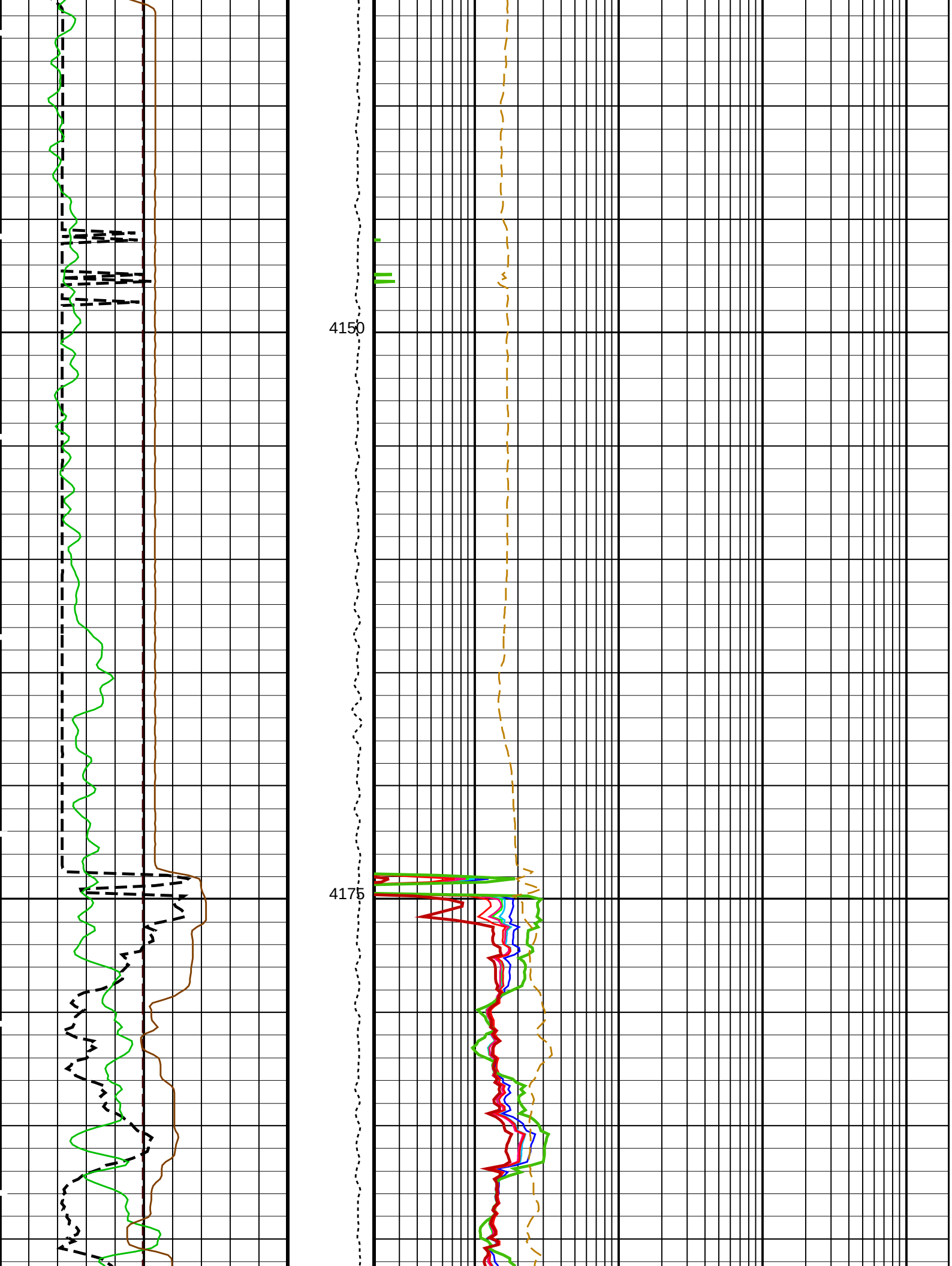
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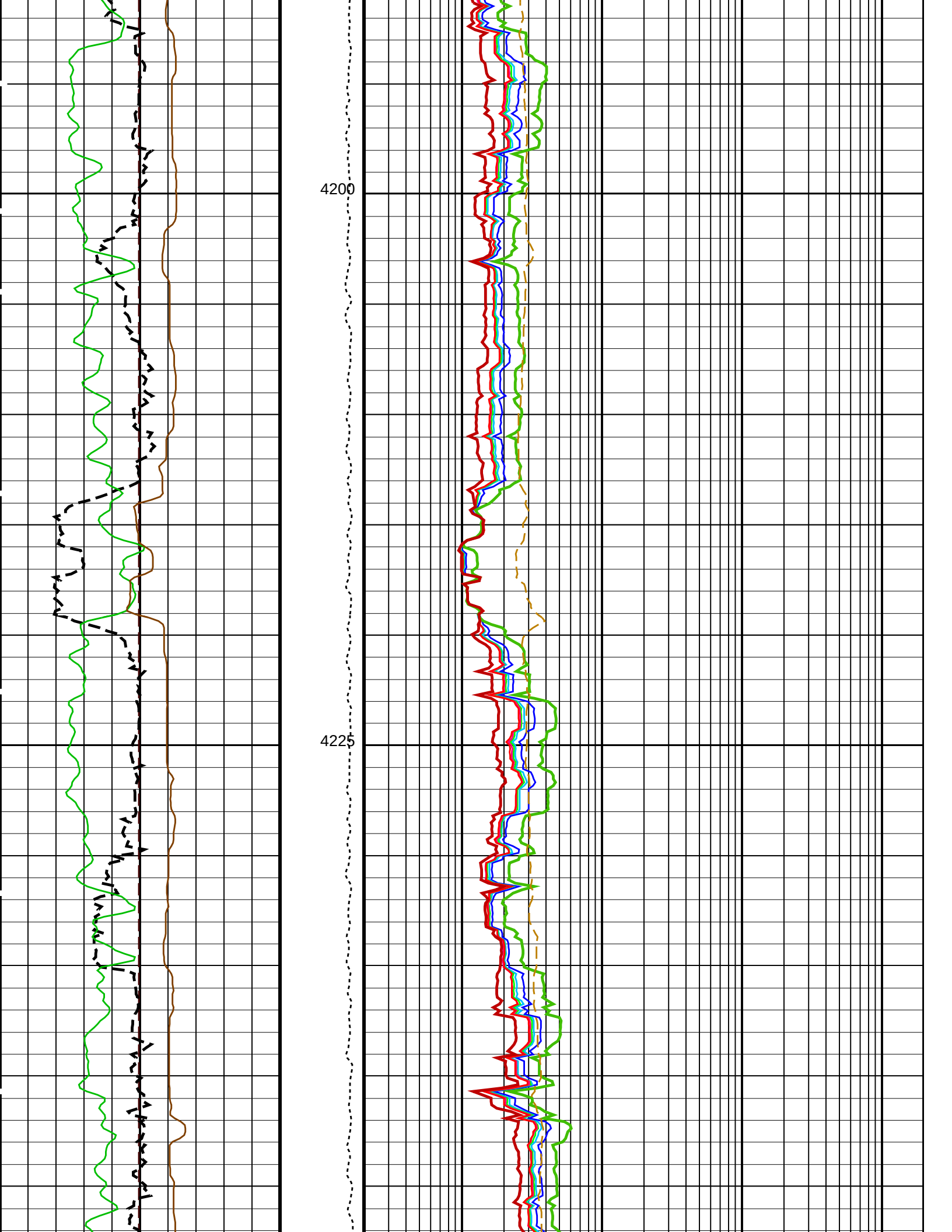
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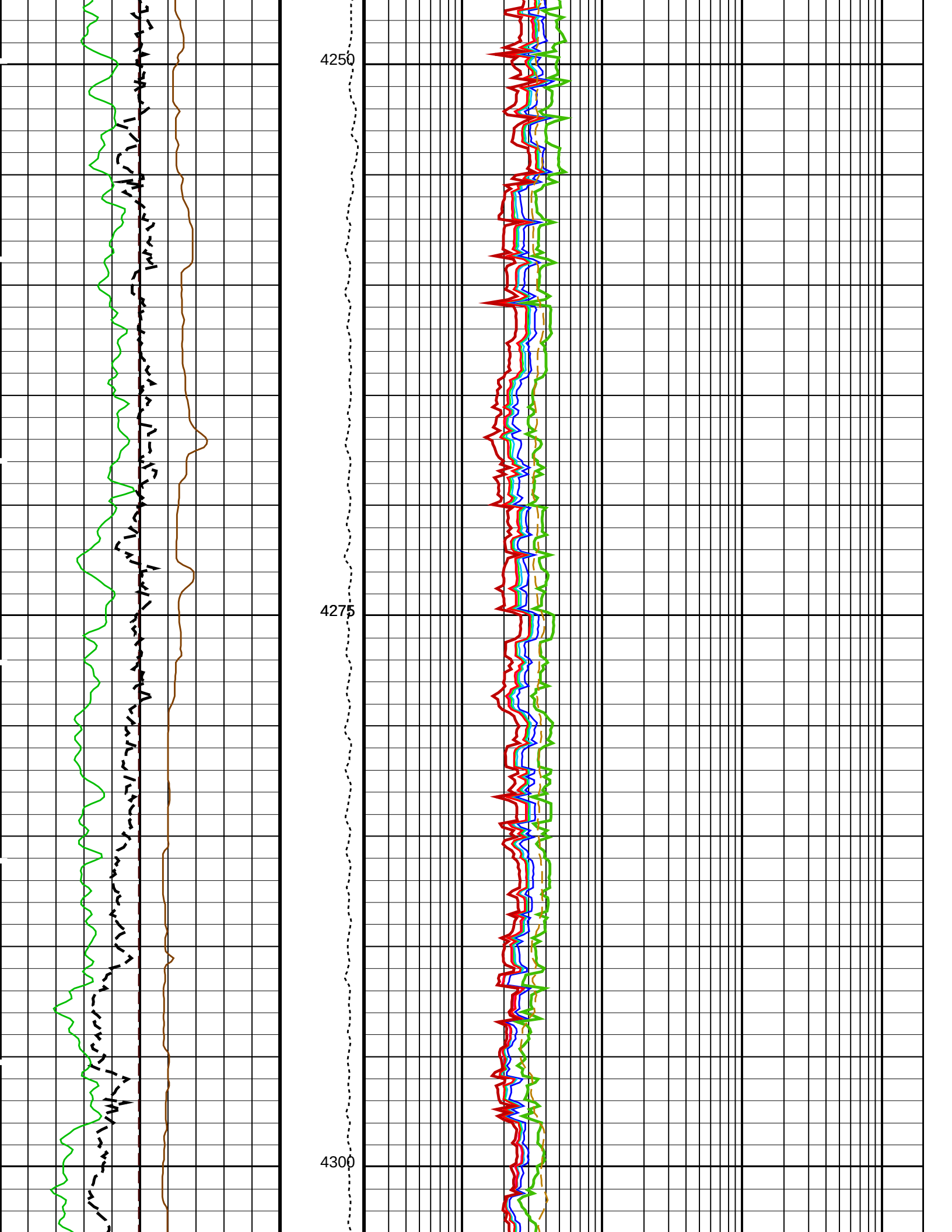
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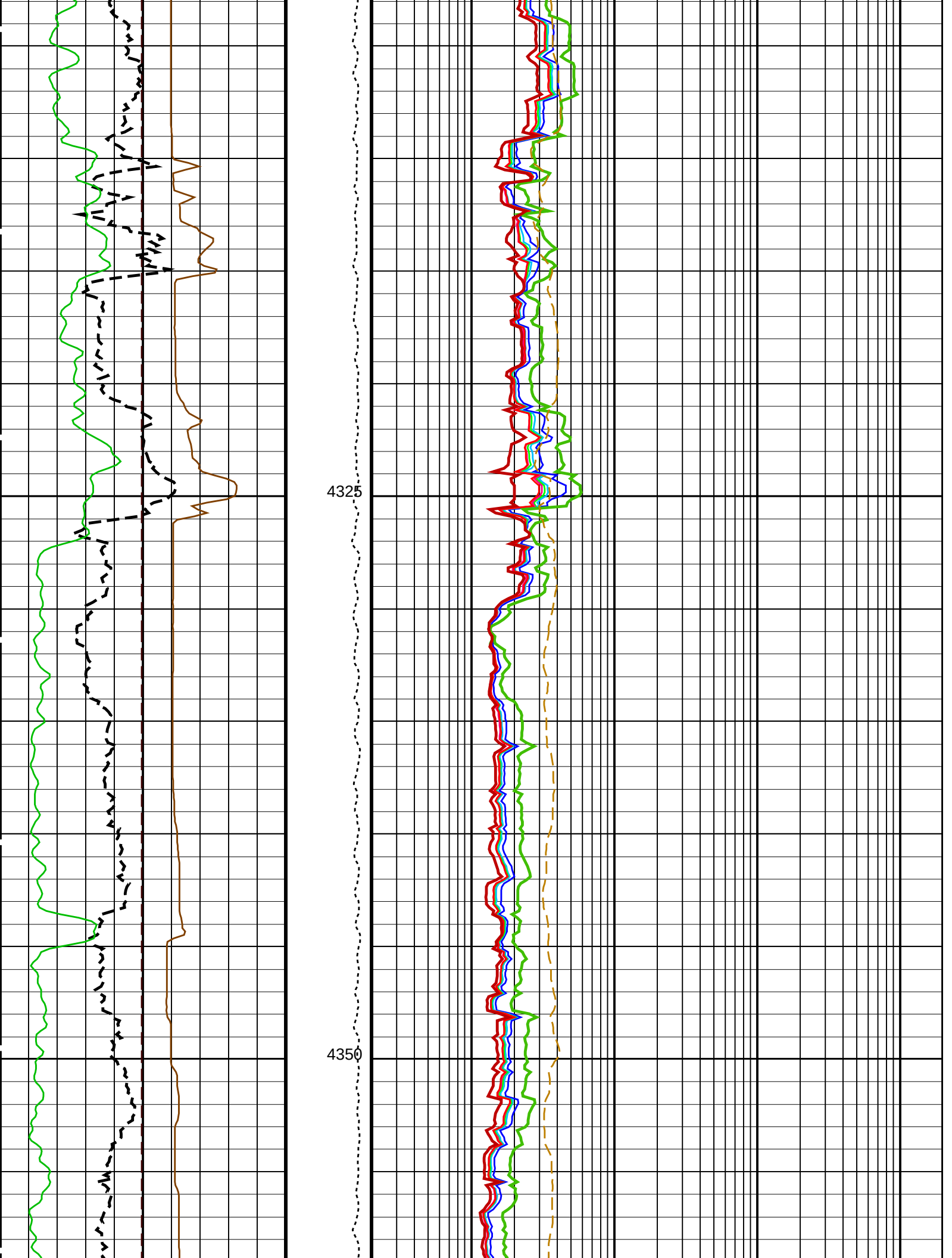
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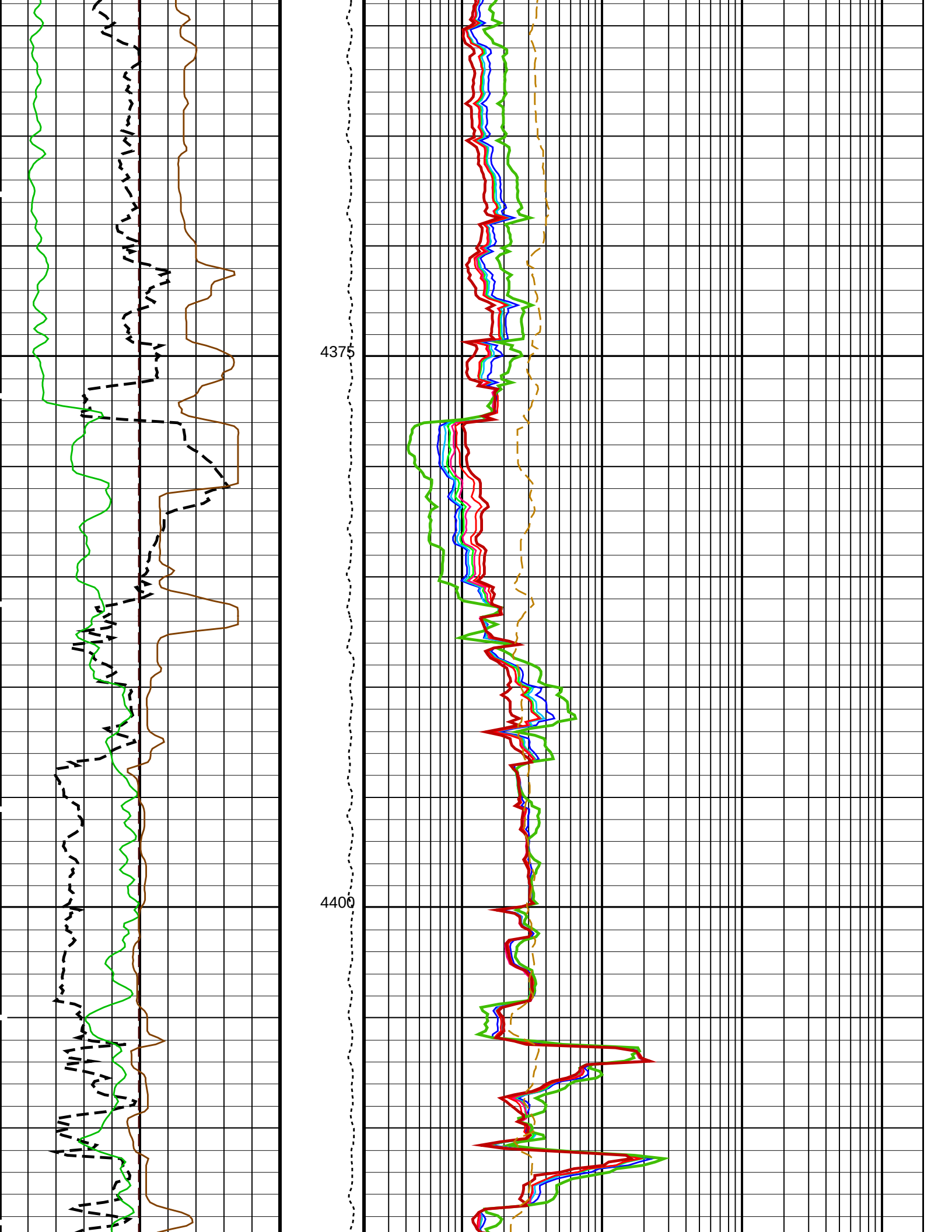
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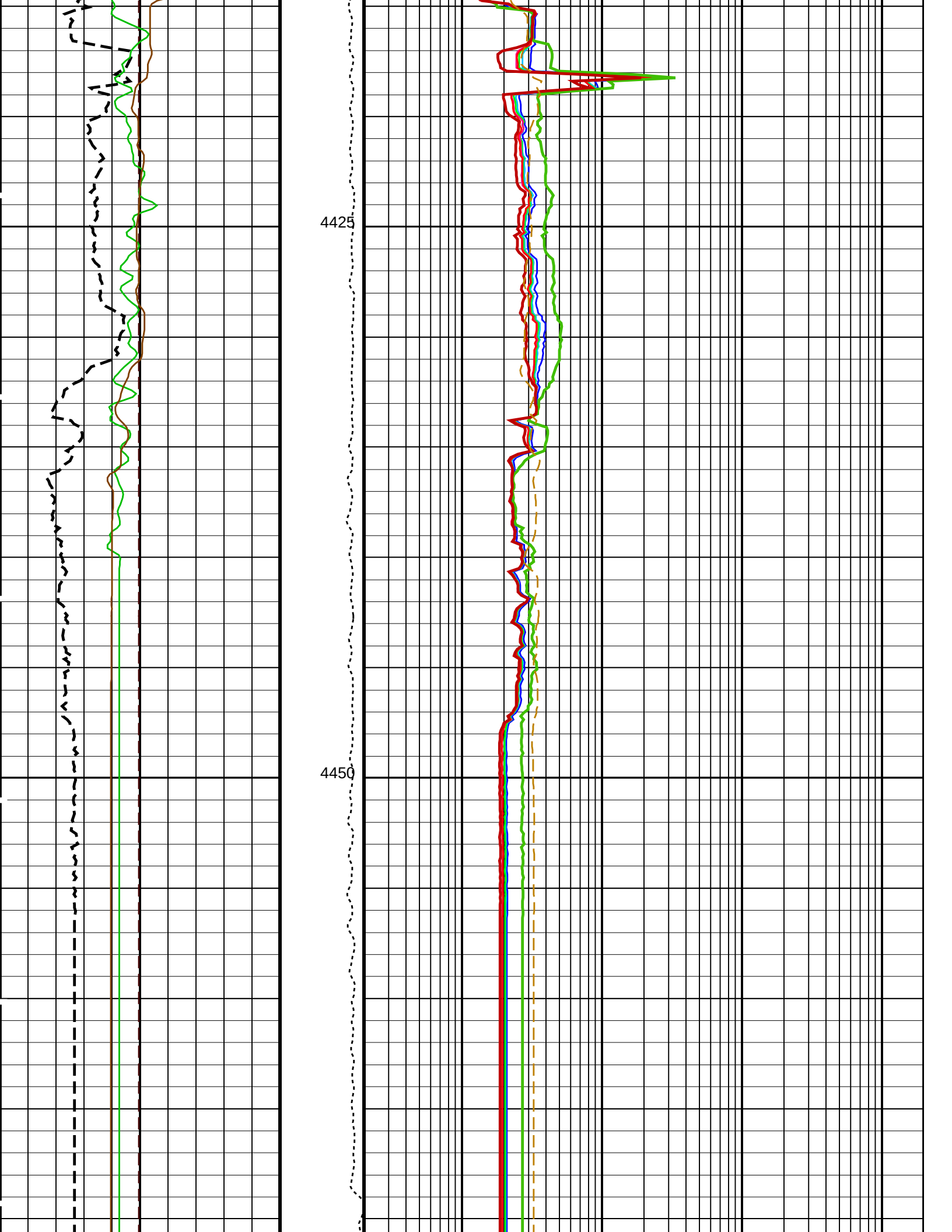
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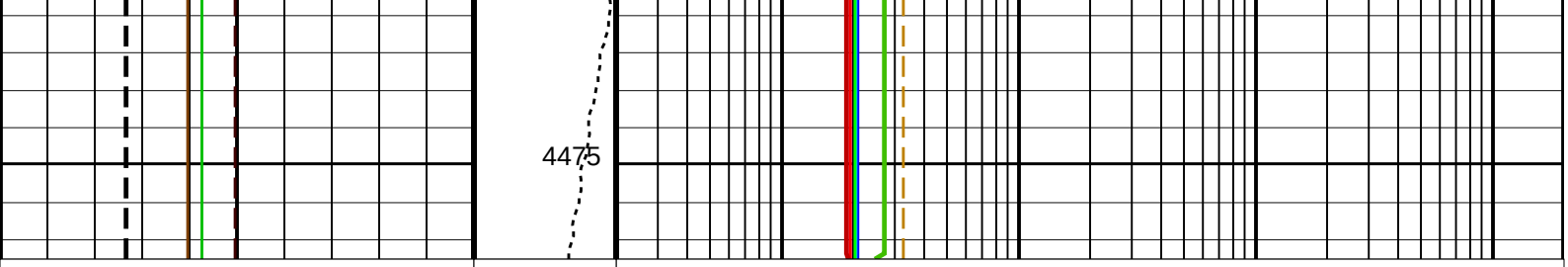


Bit Size (BS)	Tension (TENS)	HRLT Resistivity 1 (RLA1)
0 (IN) 20	(LBF) 0 7500	0.2 (OHMM) 2000
Gamma Ray (GR_EDTC)		**HRLT Resistivity 2 (RLA2)**
0 (GAPI) 150		0.2 (OHMM) 2000
HLDS Caliper (LCAL)		**HRLT Resistivity 3 (RLA3)**
0 (IN) 20		0.2 (OHMM) 2000
Invasion Diameter (DI_HRLT)		**HRLT Resistivity 4 (RLA4)**
0 (IN) 50		0.2 (OHMM) 2000
		HRLT Resistivity 5 (RLA5)
		0.2 (OHMM) 2000
		HRLT Mud Resistivity (RM_HRLT)
		0.02 (OHMM) 200
		Invaded Zone Resistivity (RXO_HRLT)
		0.2 (OHMM) 2000
		HRLT True Resistivity (RT_HRLT)
		0.2 (OHMM) 2000

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
BHT	Bottom Hole Temperature (used in calculations)	60	DEGC
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	20	DEGC
	HRLT−B: High Resolution Laterolog Array − B		
BHT	Bottom Hole Temperature (used in calculations)	60	DEGC
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
KFAC_HRLT	HRLT K Factor Option	SONDE	
PROCINV	Inversion Selection	ON	
PROCMFL	Inversion Micro−Resistivity Selection	NO_EXTERNAL_RXO	
PROCMSO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	Sonde Position	Eccentered	
SHT	Surface Hole Temperature	20	DEGC
	EDTC−B: Enhanced DTS Cartridge		
BHT	Bottom Hole Temperature (used in calculations)	60	DEGC
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	20	DEGC
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	4590	M

Format: HRLT **Vertical Scale: 1:200** **Graphics File Created: 09−Apr−2018 11:54**

OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_014LUP	FN:19	PRODUCER	09−Apr−2018 09:38	4477.5 M	3520.6 M

Output DLIS Files

DEFAULT	DSI_HRLA_LDL_021PUP	FN:30	PRODUCER	09−Apr−2018 11:54		
RTB	DSI_HRLA_LDL_021PUP	FN:31	PRODUCER	09−Apr−2018 11:54		

Schlumberger

Repeat Pass
1:200 Scale

MAXIS Field Log

Company: International Ocean Discovery Program **Well: Expedition 375, Site U1520C**

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_012LUP	FN:16	PRODUCER	09−Apr−2018 09:15	4476.0 M	4381.8 M

Output DLIS Files

DEFAULT	DSI_HRLA_LDL_022PUP	FN:32	PRODUCER	09−Apr−2018 11:57	4476.0 M	4381.8 M
RTB	DSI_HRLA_LDL_022PUP	FN:33	PRODUCER	09−Apr−2018 11:57	4476.0 M	4381.8 M

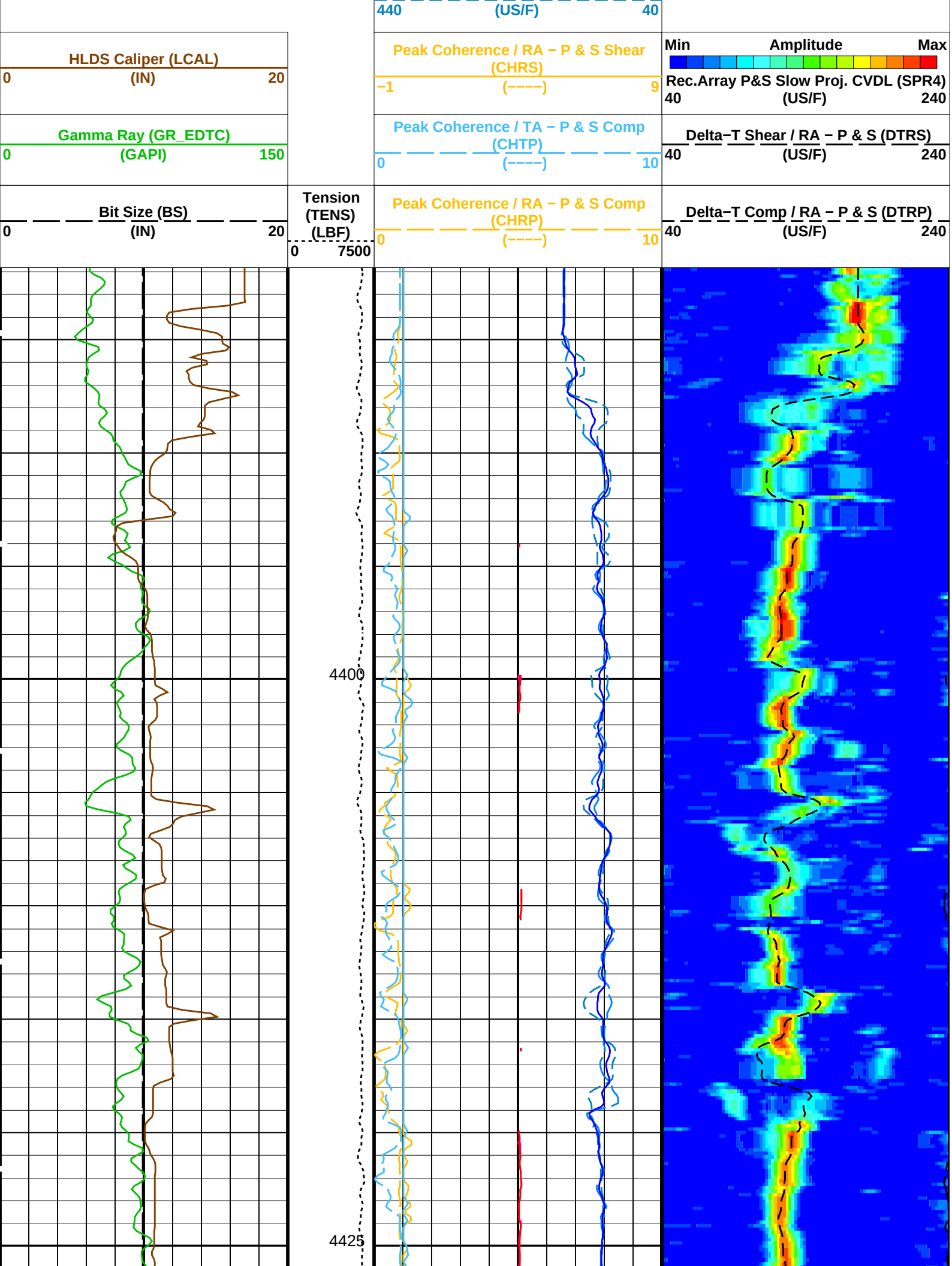
OP System Version: 19C0−187

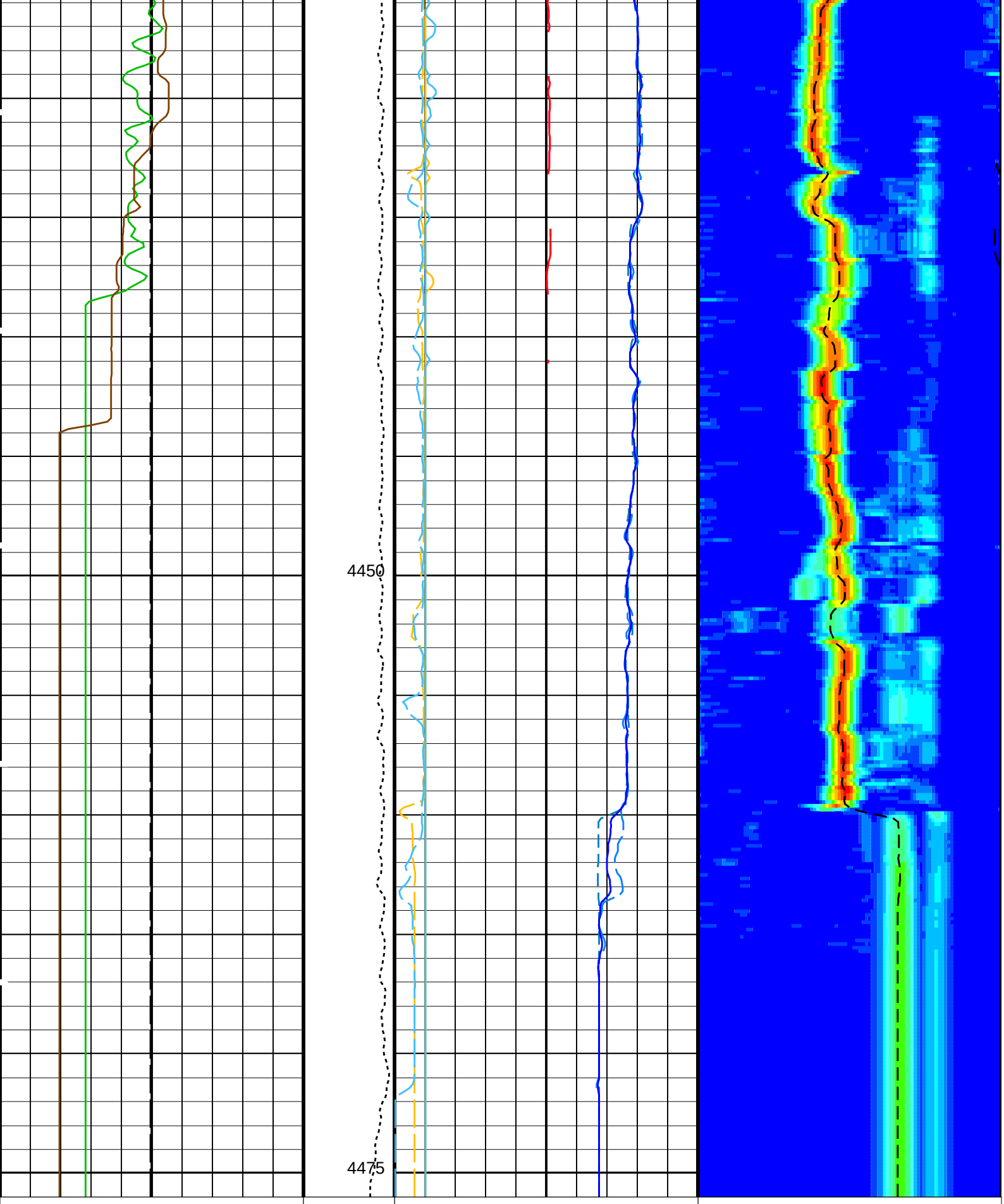
DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

PIP SUMMARY

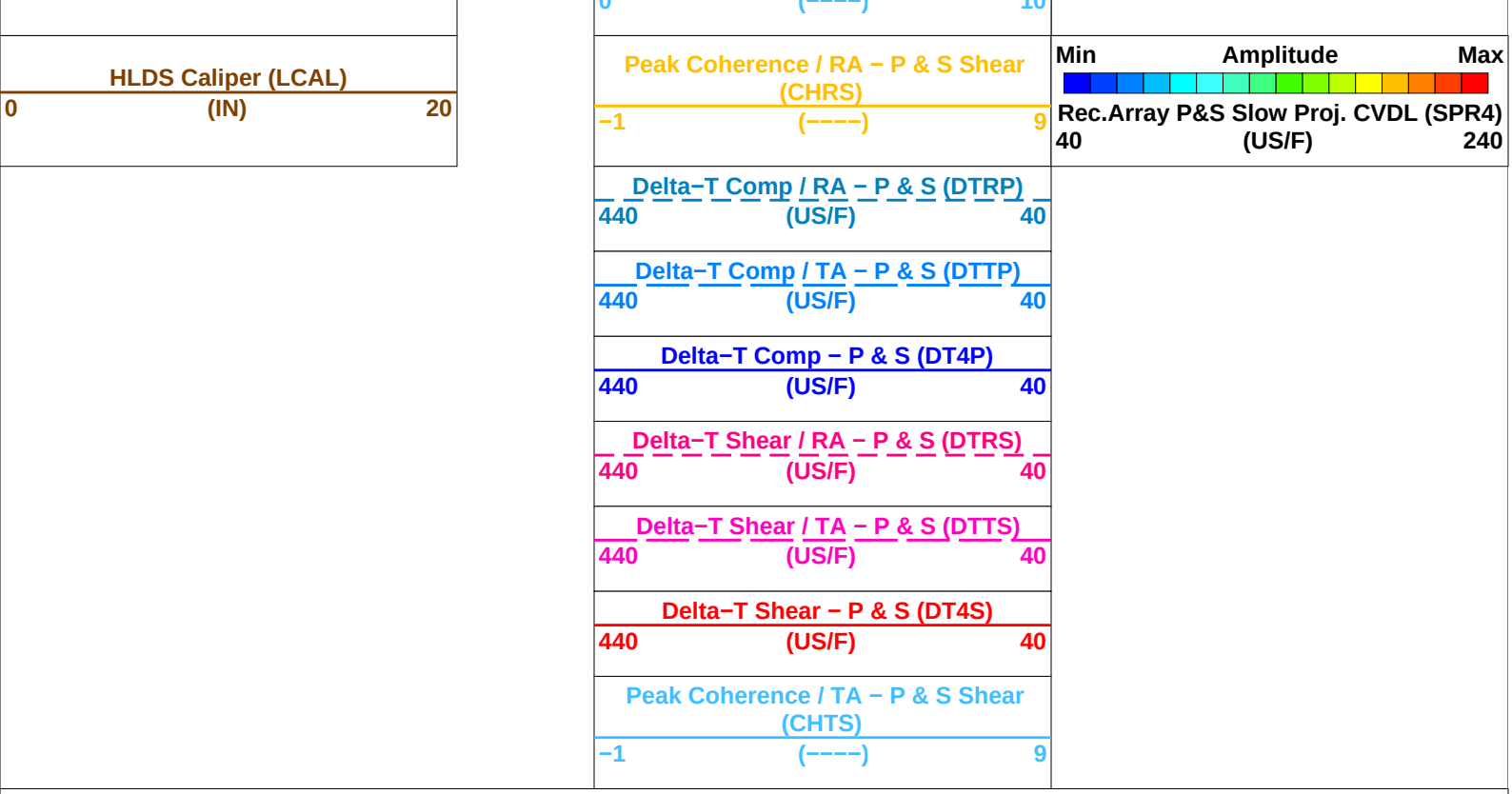
Time Mark Every 60 S

Peak Coherence / TA − P & S Shear (CHTS)		
−1	(−−−−)	9
Delta−T Shear − P & S (DT4S)		
440	(US/F)	40
Delta−T Shear / TA − P & S (DTTS)		
440	(US/F)	40
Delta−T Shear / RA − P & S (DTRS)		
440	(US/F)	40
Delta−T Comp − P & S (DT4P)		
440	(US/F)	40
Delta−T Comp / TA − P & S (DTTP)		
440	(US/F)	40
Delta−T Comp / RA − P & S (DTRP)		


440 (US/F) 40
HLDS Caliper (LCAL)
0 (IN) 20
Peak Coherence / RA − P & S Shear (CHRS)
−1 (----) 9
Min Amplitude Max
Rec.Array P&S Slow Proj. CVDL (SPR4)
40 (US/F) 240
Gamma Ray (GR_EDTC)
0 (GAPI) 150
Peak Coherence / TA − P & S Comp (CHTP)
0 (----) 10
Delta−T Shear / RA − P & S (DTRS)
40 (US/F) 240
Bit Size (BS)
0 (IN) 20
Tension (TENS) (LBF)
0 7500
Peak Coherence / RA − P & S Comp (CHRP)
0 (----) 10
Delta−T Comp / RA − P & S (DTRP)
40 (US/F) 240
4400
4425



Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − P & S Comp (CHRP)	Delta−T Comp / RA − P & S (DTRP)
0 (IN) 20	0 (LBF) 7500	0 (----) 10	40 (US/F) 240
Gamma Ray (GR_EDTC)		Peak Coherence / TA − P & S Comp (CHTP)	Delta−T Shear / RA − P & S (DTRS)
0 (GAPI) 150		0 (----) 10	40 (US/F) 240



Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
BHS	Borehole Status	OPEN	
CASF	Label Casing Function − Monopole P&S	50	
COLL	Label Slowness Lower Limit − Monopole P&S Compressional	100	US/F
COUL	Label Slowness Upper Limit − Monopole P&S Compressional	209	US/F
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTF	Delta−T Fluid	210	US/F
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control − Monopole P&S	COMP	
LFC	Label Formation Character − Monopole P&S	COMP_FIRST	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI4	Number Waveform Items 4	8	
NWIX	Number Waveform Items X	0	
RSMN	Label Shear/Compressional Minimum Ratio − Monopole P&S	1.4	
RSMX	Label Shear/Compressional Maximum Ratio − Monopole P&S	2.12	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM4	DSST Sonic Acquisition Mode 4 − Monopole Mode for P&S	ODD	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS4	STC Sonic Array Status − Monopole P&S	255	
SBO4	STC Search Band Offset − Monopole P&S	500	US
SBR4	STC Baseline Removal − Monopole P&S	ON	
SBW4	STC Search Bandwidth − Monopole P&S	2000	US
SFC4	STC Formation Character − Monopole P&S	SELECTABLE	
SFM4	STC Filter − Monopole P&S	B3−20K	
SHLL	Label Slowness Lower Limit − Monopole P&S Shear	235	US/F
SHUL	Label Slowness Upper Limit − Monopole P&S Shear	240	US/F
SLL4	STC Slowness Lower Limit − Monopole P&S	40	US/F
SST4	STC Slowness Step − Monopole P&S	2	US/F
SSW4	STC Source Waveform − Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit − Monopole Stoneley	300	US/F

STUL	Label Slowness Upper Limit − Monopole Stoneley	1200	US/F
SUL4	STC Slowness Upper Limit − Monopole P&S	240	US/F
SWD4	STC Slowness Width − Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill − Monopole P&S	300	US
TLL4	STC Time Lower Limit − Monopole P&S	150	US
TST4	STC Time Step − Monopole P&S	50	US
TUL4	STC Time Upper Limit − Monopole P&S	3660	US
TWD4	STC Time Width − Monopole P&S	1000	US
TWI4	STC Integration Time Window − Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
	HRLT−B: High Resolution Laterolog Array − B		
BHS	Borehole Status	OPEN	
	EDTC−B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 09−Apr−2018 11:57

OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_012LUP	FN:16	PRODUCER	09−Apr−2018 09:15	4476.0 M	4381.8 M

Output DLIS Files

DEFAULT	DSI_HRLA_LDL_022PUP	FN:32	PRODUCER	09−Apr−2018 11:57		
RTB	DSI_HRLA_LDL_022PUP	FN:33	PRODUCER	09−Apr−2018 11:57		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_012LUP	FN:16	PRODUCER	09−Apr−2018 09:15	4476.0 M	4381.8 M

Output DLIS Files

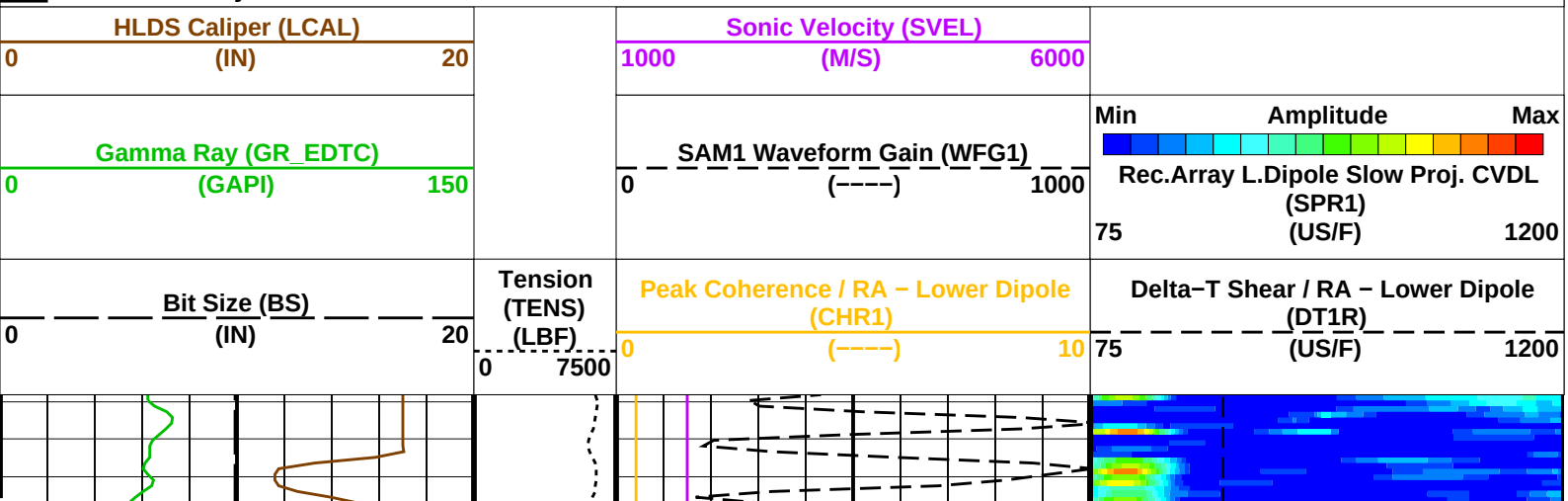
DEFAULT	DSI_HRLA_LDL_022PUP	FN:32	PRODUCER	09−Apr−2018 11:57	4476.0 M	4381.8 M
RTB	DSI_HRLA_LDL_022PUP	FN:33	PRODUCER	09−Apr−2018 11:57	4476.0 M	4381.8 M

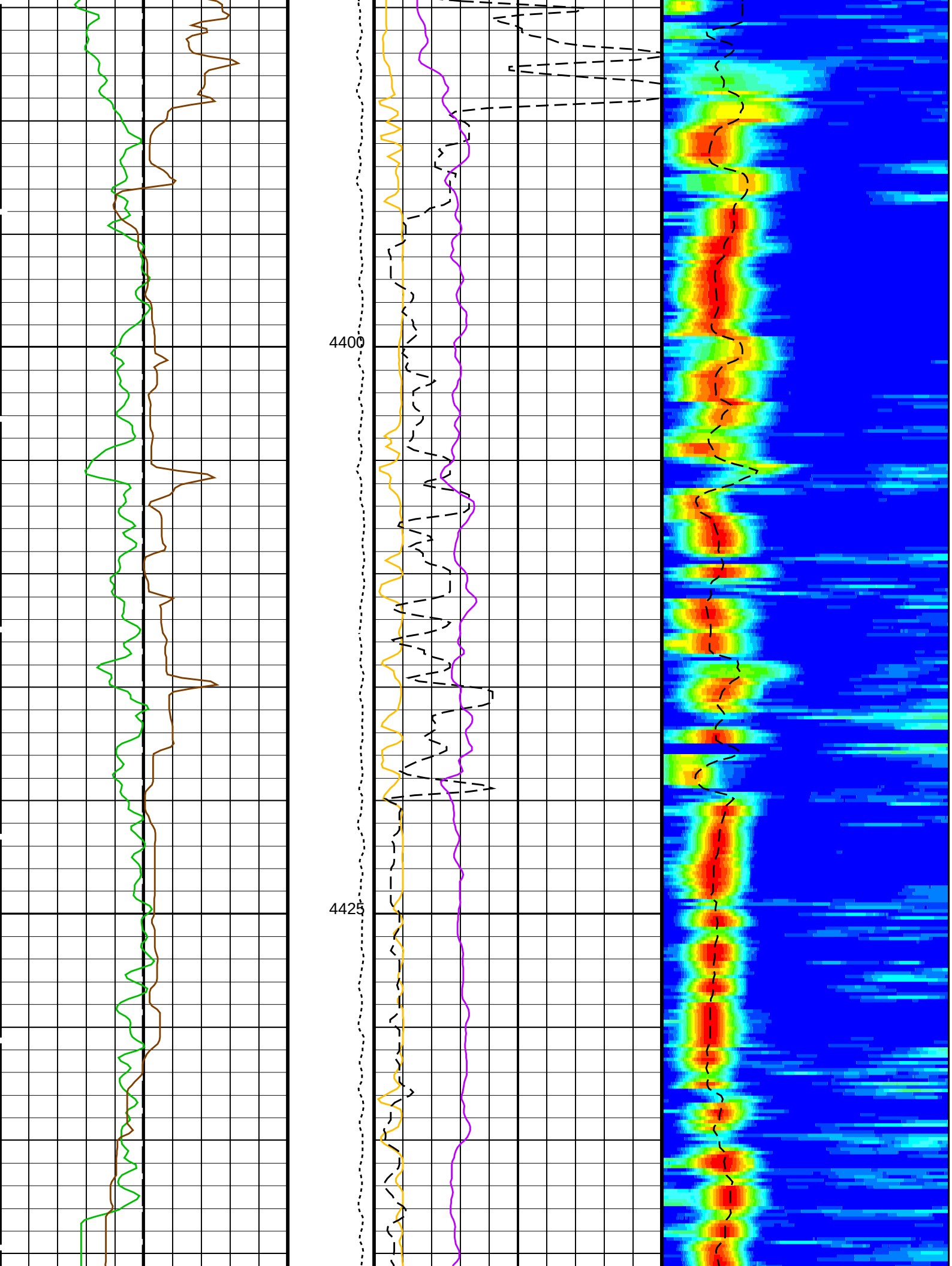
OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

PIP SUMMARY

Time Mark Every 60 S

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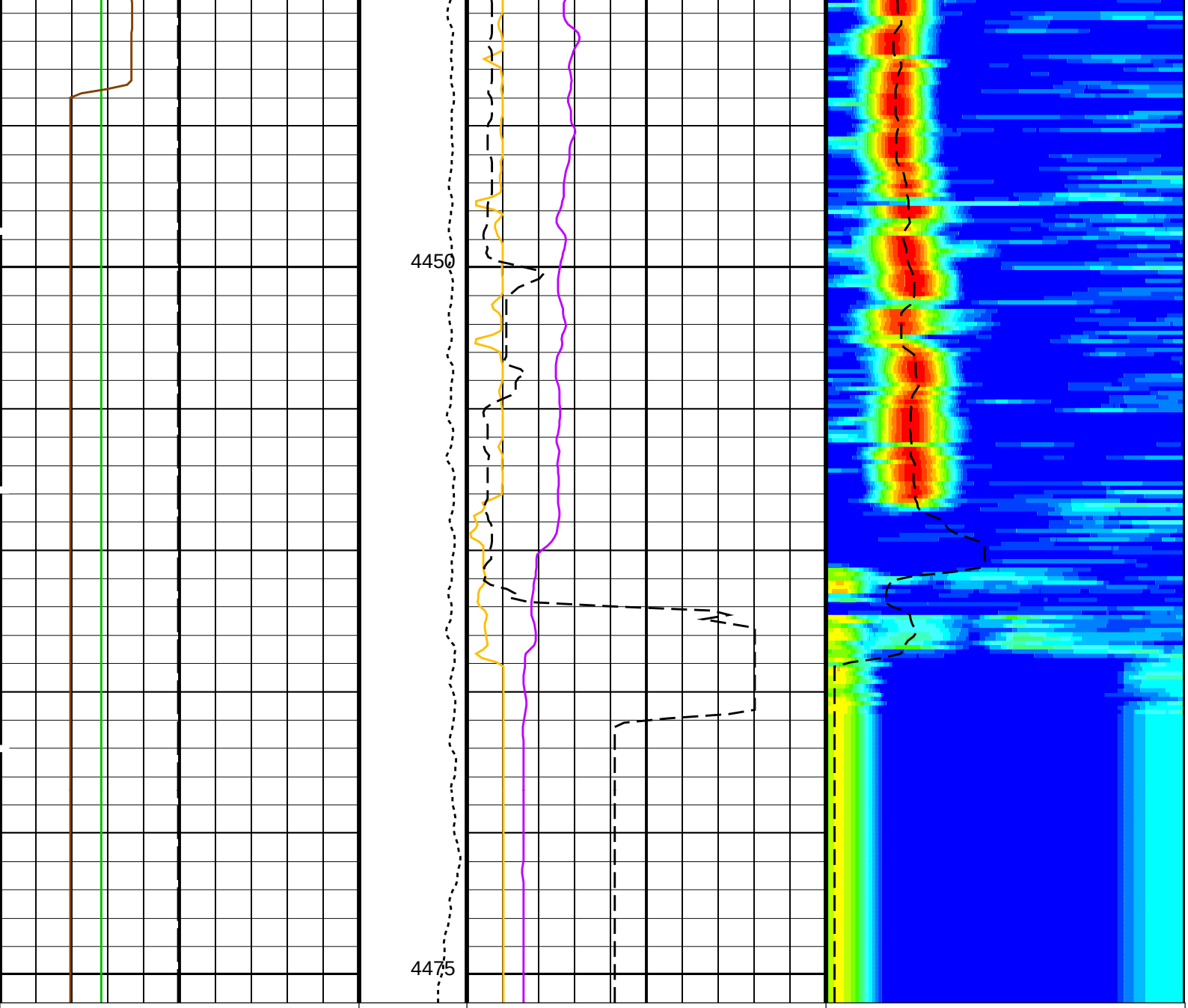


Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − Lower Dipole (CHR1)	Delta−T Shear / RA − Lower Dipole (DT1R)
0 (IN) 20	0 (LBF) 7500	0 (−−−−) 10	75 (US/F) 1200
Gamma Ray (GR_EDTC)		SAM1 Waveform Gain (WFG1)	Min Amplitude Max Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
0 (GAPI) 150		0 (−−−−) 1000	75 (US/F) 1200
HLDS Caliper (LCAL)		Sonic Velocity (SVEL)	
0 (IN) 20		1000 (M/S) 6000	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
DDE1	Digitizing Delay 1	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source − Dipole Shear	USE	
DSHL	Label Slowness Lower Limit − Dipole Shear	180	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	600	US/F
DSI1	Digitizer Sample Interval 1	40	US

DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 − Lower Dipole Mode	LFD_EVEN	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status − Lower Dipole	255	
SBO1	STC Search Band Offset − Lower Dipole	3000	US
SBW1	STC Search Bandwidth − Lower Dipole	8000	US
SFC1	STC Formation Character − Lower Dipole	SELECTABLE	
SFM1	STC Filter − Lower Dipole	B.3−1.5K	
SLL1	STC Slowness Lower Limit − Lower Dipole	75	US/F
SST1	STC Slowness Step − Lower Dipole	4	US/F
SSW1	STC Source Waveform − Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit − Lower Dipole	1200	US/F
SWD1	STC Slowness Width − Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill − Lower Dipole	0	US
TLL1	STC Time Lower Limit − Lower Dipole	600	US
TST1	STC Time Step − Lower Dipole	200	US
TUL1	STC Time Upper Limit − Lower Dipole	20440	US
TWD1	STC Time Width − Lower Dipole	2000	US
TWI1	STC Integration Time Window − Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 09−Apr−2018 11:57

OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_012LUP	FN:16	PRODUCER	09−Apr−2018 09:15	4476.0 M	4381.8 M

Output DLIS Files

DEFAULT	DSI_HRLA_LDL_022PUP	FN:32	PRODUCER	09−Apr−2018 11:57		
RTB	DSI_HRLA_LDL_022PUP	FN:33	PRODUCER	09−Apr−2018 11:57		

Company: International Ocean Discovery Program Well: Expedition 375, Site U1520C

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_012LUP	FN:16	PRODUCER	09−Apr−2018 09:15	4476.0 M	4381.8 M

Output DLIS Files

DEFAULT	DSI_HRLA_LDL_022PUP	FN:32	PRODUCER	09−Apr−2018 11:57	4476.0 M	4381.8 M
RTB	DSI_HRLA_LDL_022PUP	FN:33	PRODUCER	09−Apr−2018 11:57	4476.0 M	4381.8 M

OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

PIP SUMMARY

Time Mark Every 60 S

HLDS Caliper (LCAL) 0 (IN) 20		Delta−T Stoneley (DTST) 440 (US/F) 40
Gamma Ray (GR_EDTC) 0 (GAPI) 150		Delta−T Stoneley / RA (DT3R) 440 (US/F) 40
Bit Size (BS) 0 (IN) 20	Tension (TENS) (LBF) 0 7500	Peak Coherence / RA − Stoneley (CHR3) 0 (----) 10

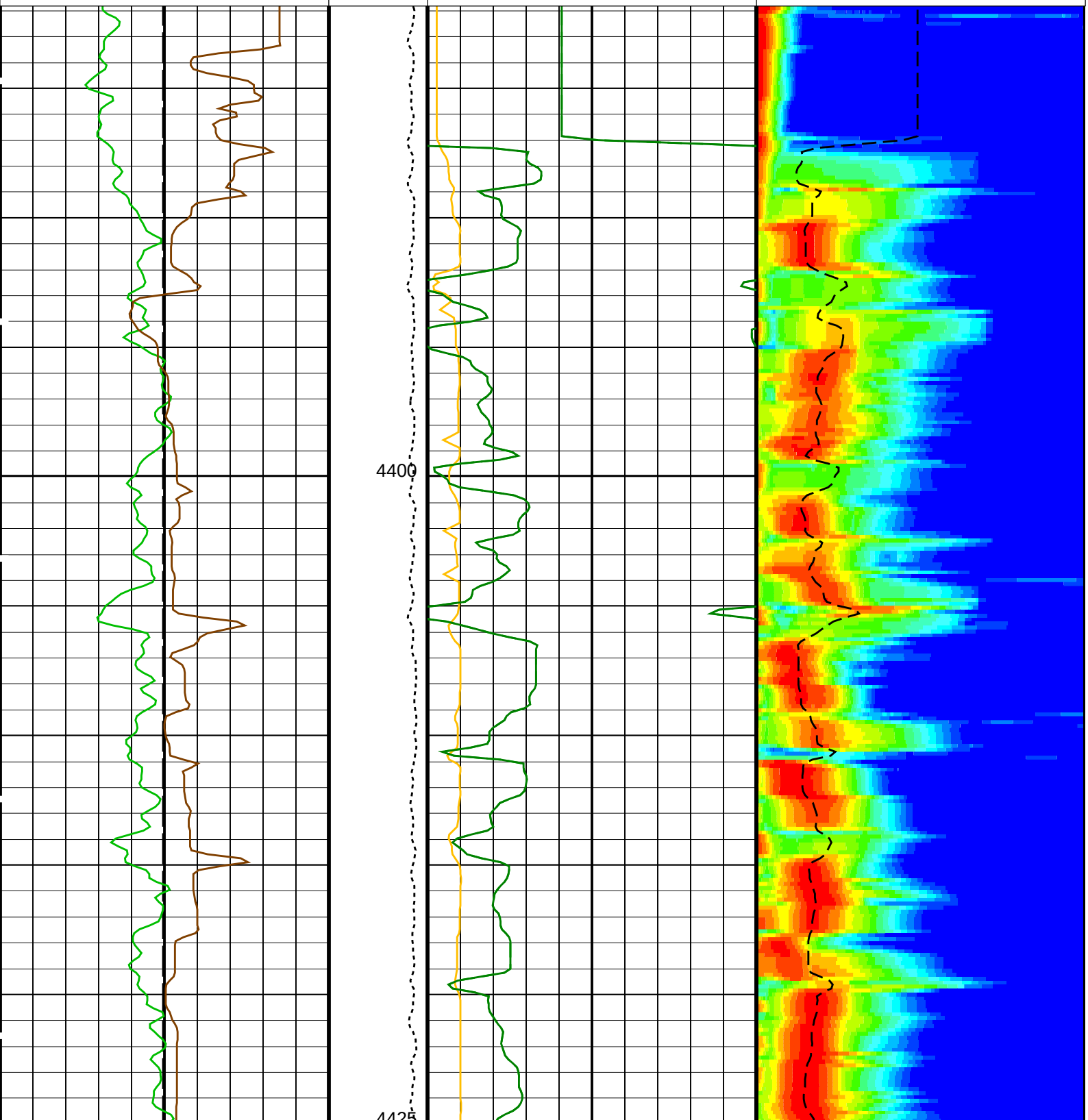
Min Amplitude Max

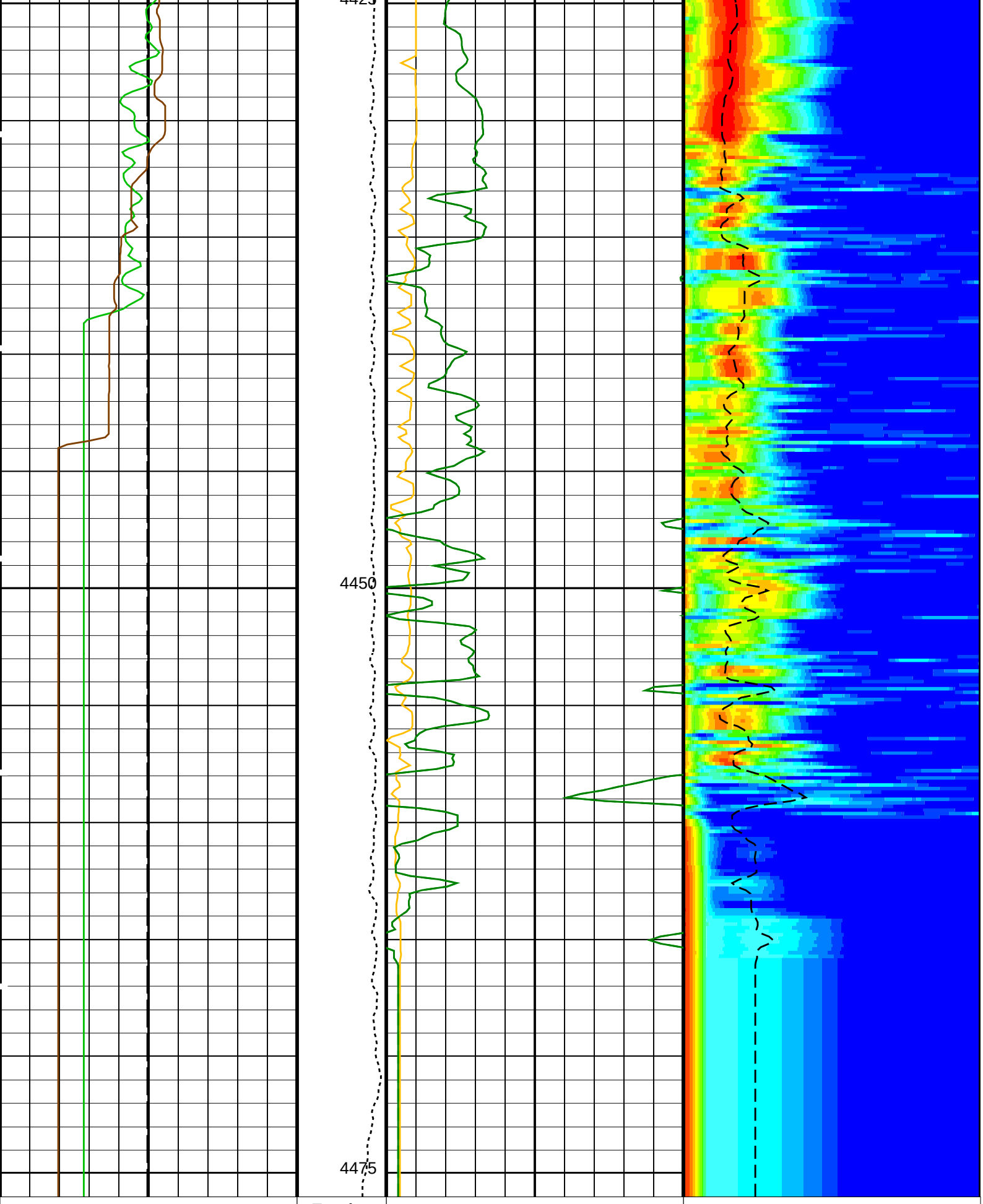
Rec.Array Stoneley Slow Proj. CVDL (SPR3)

180 (US/F) 1200

Delta−T Stoneley / RA (DT3R)

180 (US/F) 1200





Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − Stoneley (CHR3)	Delta−T Stoneley / RA (DT3R)
0 (IN) 20	0 (LBF) 7500	0 (−−−−) 10	180 (US/F) 1200
			Min Amplitude Max

Gamma Ray (GR_EDTC)		
0	(GAPI)	150

Delta−T Stoneley / RA (DT3R)		
440	(US/F)	40

Rec.Array Stoneley Slow Proj. CVDL (SPR3)		
180	(US/F)	1200

HLDS Caliper (LCAL)		
0	(IN)	20

Delta−T Stoneley (DTST)		
440	(US/F)	40

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
DDE3	Digitizing Delay 3	0	US
DDEX	Digitizing Delay X	0	US
DSI3	Digitizer Sample Interval 3	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC3	Digitizer Word Count 3	512	
DWCX	Digitizer Word Count X	512	
MTXG	Monopole Transmitter Geometry	186	IN
NWI3	Number Waveform Items 3	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM3	DSST Sonic Acquisition Mode 3 − Monopole Mode for Stoneley	EVEN	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS3	STC Sonic Array Status − Monopole Stoneley	255	
SBO3	STC Search Band Offset − Monopole Stoneley	2000	US
SBW3	STC Search Bandwidth − Monopole Stoneley	6000	US
SFC3	STC Formation Character − Monopole Stoneley	SELECTABLE	
SFM3	STC Filter − Monopole Stoneley	B.5−1.5K	
SLL3	STC Slowness Lower Limit − Monopole Stoneley	180	US/F
SST3	STC Slowness Step − Monopole Stoneley	4	US/F
SSW3	STC Source Waveform − Monopole Stoneley	WF_SAM3	
STLL	Label Slowness Lower Limit − Monopole Stoneley	300	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	1200	US/F
SUL3	STC Slowness Upper Limit − Monopole Stoneley	1200	US/F
SWD3	STC Slowness Width − Monopole Stoneley	40	US/F
TBF3	STC Time for Baseline Fill − Monopole Stoneley	0	US
TLL3	STC Time Lower Limit − Monopole Stoneley	620	US
TST3	STC Time Step − Monopole Stoneley	200	US
TUL3	STC Time Upper Limit − Monopole Stoneley	15800	US
TWD3	STC Time Width − Monopole Stoneley	2000	US
TWI3	STC Integration Time Window − Monopole Stoneley	1600	US
TWSX	Transmitter Waveform Select X	0	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_STONELEY_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 09−Apr−2018 11:57

OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_012LUP	FN:16	PRODUCER	09−Apr−2018 09:15	4476.0 M	4381.8 M

Output DLIS Files

DEFAULT	DSI_HRLA_LDL_022PUP	FN:32	PRODUCER	09−Apr−2018 11:57
RTB	DSI_HRLA_LDL_022PUP	FN:33	PRODUCER	09−Apr−2018 11:57

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_012LUP	FN:16	PRODUCER	09−Apr−2018 09:15	4476.0 M	4381.8 M

Output DLIS Files

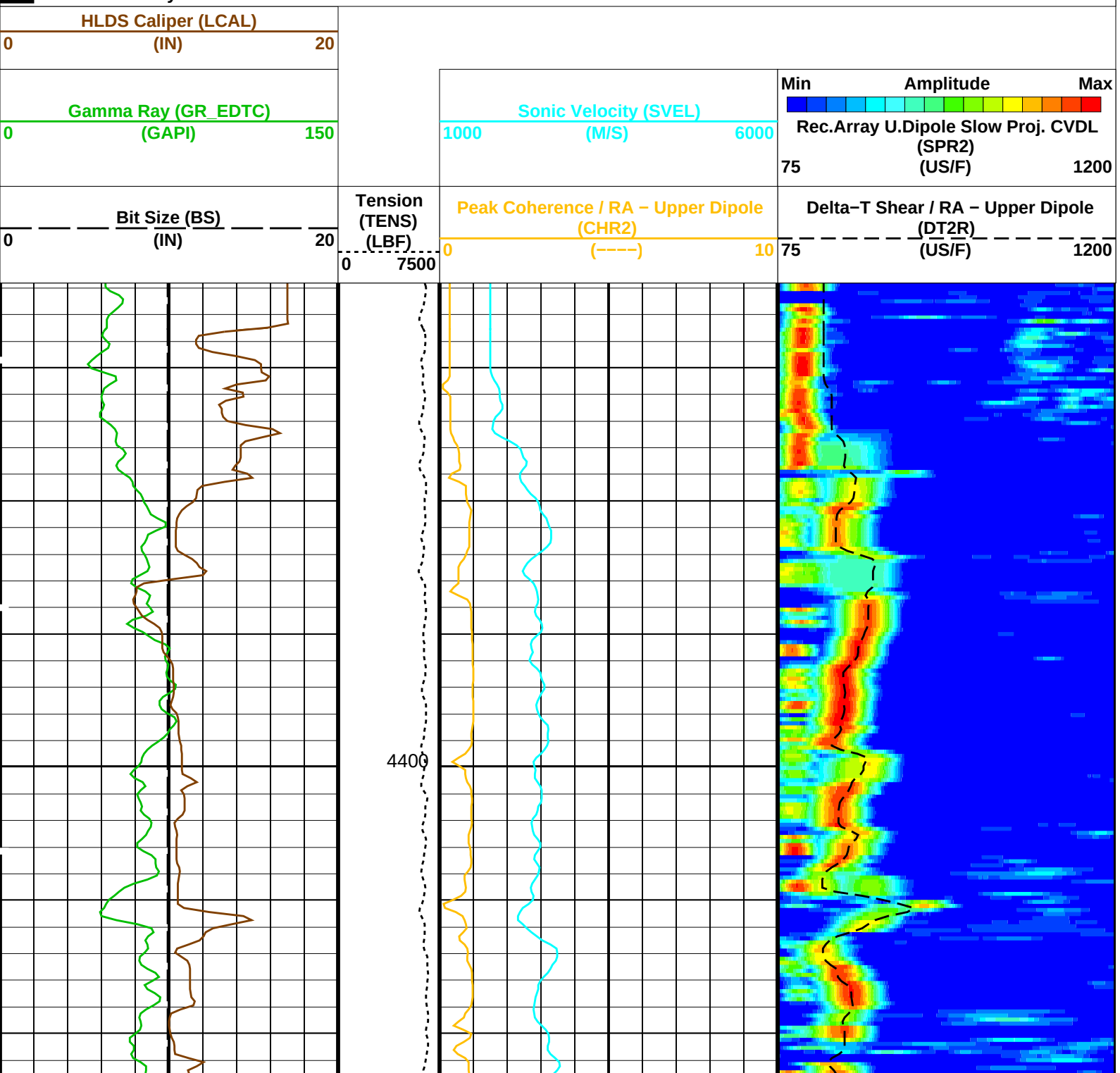
DEFAULT	DSI_HRLA_LDL_022PUP	FN:32	PRODUCER	09−Apr−2018 11:57	4476.0 M	4381.8 M
RTB	DSI_HRLA_LDL_022PUP	FN:33	PRODUCER	09−Apr−2018 11:57	4476.0 M	4381.8 M

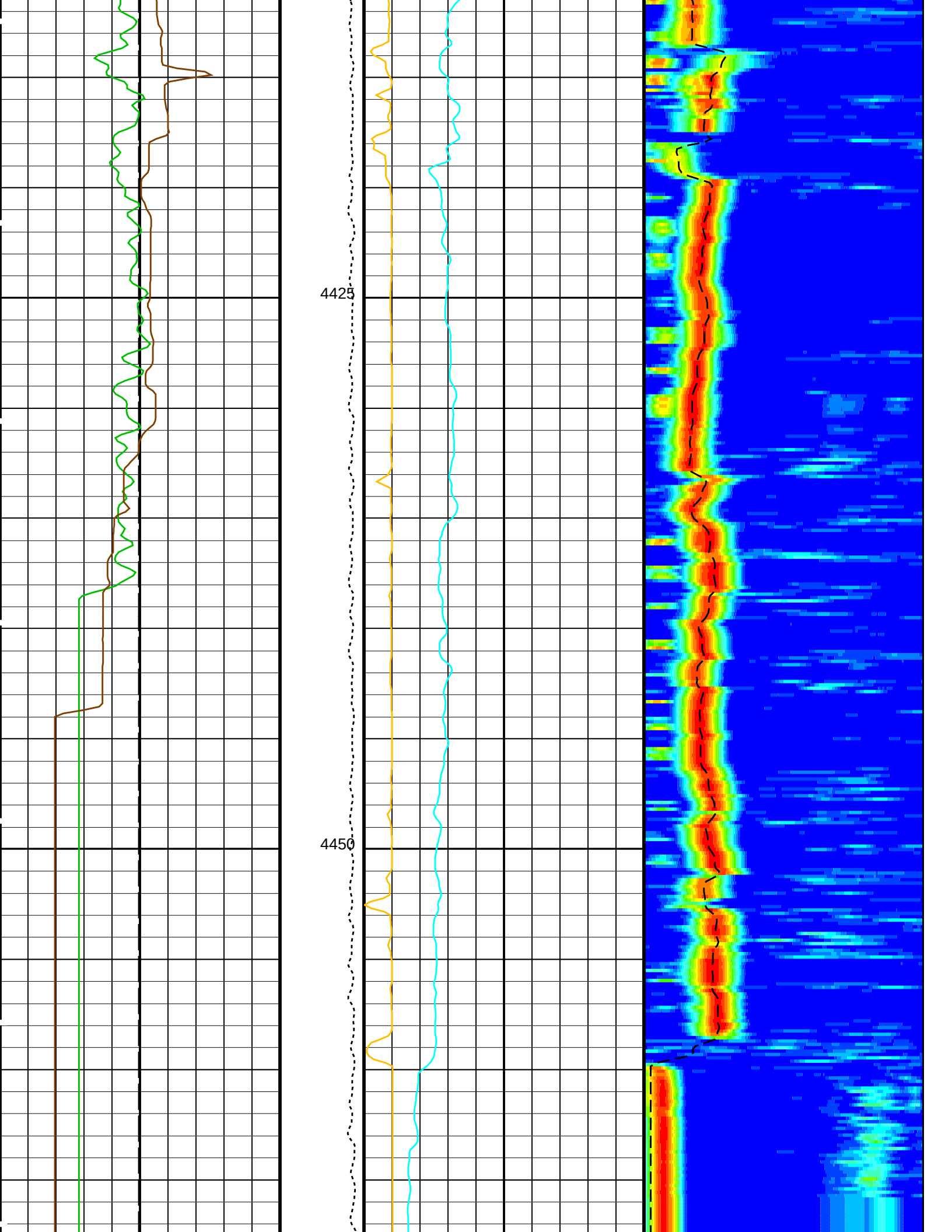
OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

PIP SUMMARY

Time Mark Every 60 S

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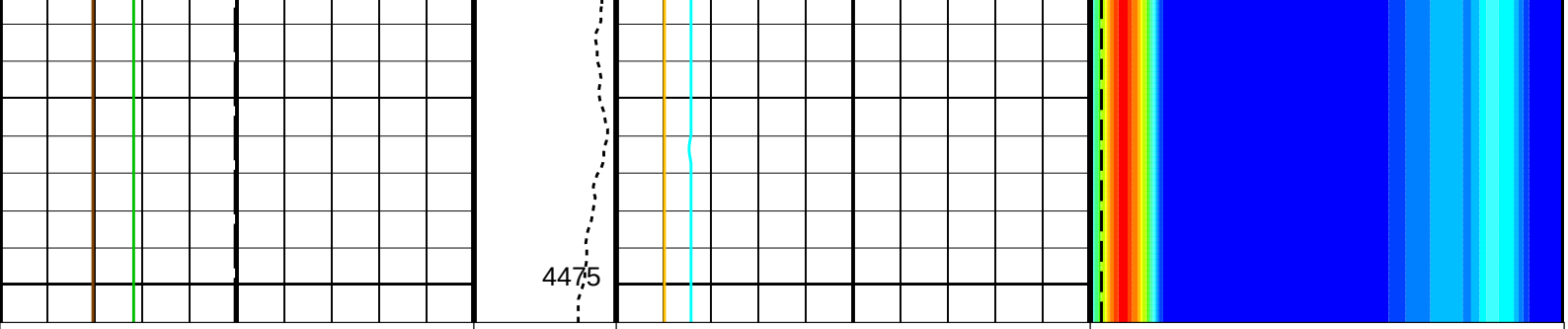


Bit Size (BS)
0 (IN) 20

Tension (TENS) (LBF)
0 7500

Peak Coherence / RA − Upper Dipole (CHR2)
0 (−−−−) 10

Delta−T Shear / RA − Upper Dipole (DT2R)
75 (US/F) 1200

Gamma Ray (GR_EDTC)
0 (GAPI) 150

Sonic Velocity (SVEL)
1000 (M/S) 6000

Min Amplitude Max

Rec.Array U.Dipole Slow Proj. CVDL (SPR2)
75 (US/F) 1200

HLDS Caliper (LCAL)
0 (IN) 20

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
DDE2	Digitizing Delay 2	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source − Dipole Shear	USE	
DSHL	Label Slowness Lower Limit − Dipole Shear	180	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	600	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
NWI2	Number Waveform Items 2	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM2	DSST Sonic Acquisition Mode 2 − Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status − Upper Dipole	255	
SBO2	STC Search Band Offset − Upper Dipole	3000	US
SBW2	STC Search Bandwidth − Upper Dipole	8000	US
SFC2	STC Formation Character − Upper Dipole	SELECTABLE	
SFM2	STC Filter − Upper Dipole	B1−2K	
SLL2	STC Slowness Lower Limit − Upper Dipole	75	US/F
SST2	STC Slowness Step − Upper Dipole	4	US/F
SSW2	STC Source Waveform − Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit − Upper Dipole	1200	US/F
SWD2	STC Slowness Width − Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill − Upper Dipole	0	US
TLL2	STC Time Lower Limit − Upper Dipole	600	US
TST2	STC Time Step − Upper Dipole	200	US
TUL2	STC Time Upper Limit − Upper Dipole	20200	US
TWD2	STC Time Width − Upper Dipole	2000	US
TWI2	STC Integration Time Window − Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_UPPER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 09-Apr-2018 11:57

OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_012LUP	FN:16	PRODUCER	09−Apr−2018 09:15	4476.0 M	4381.8 M

Output DLIS Files

DEFAULT	DSI_HRLA_LDL_022PUP	FN:32	PRODUCER	09−Apr−2018 11:57		
RTB	DSI_HRLA_LDL_022PUP	FN:33	PRODUCER	09−Apr−2018 11:57		

Company: International Ocean Discovery Program Well: Expedition 375, Site U1520C

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_012LUP	FN:16	PRODUCER	09−Apr−2018 09:15	4476.0 M	4381.8 M

Output DLIS Files

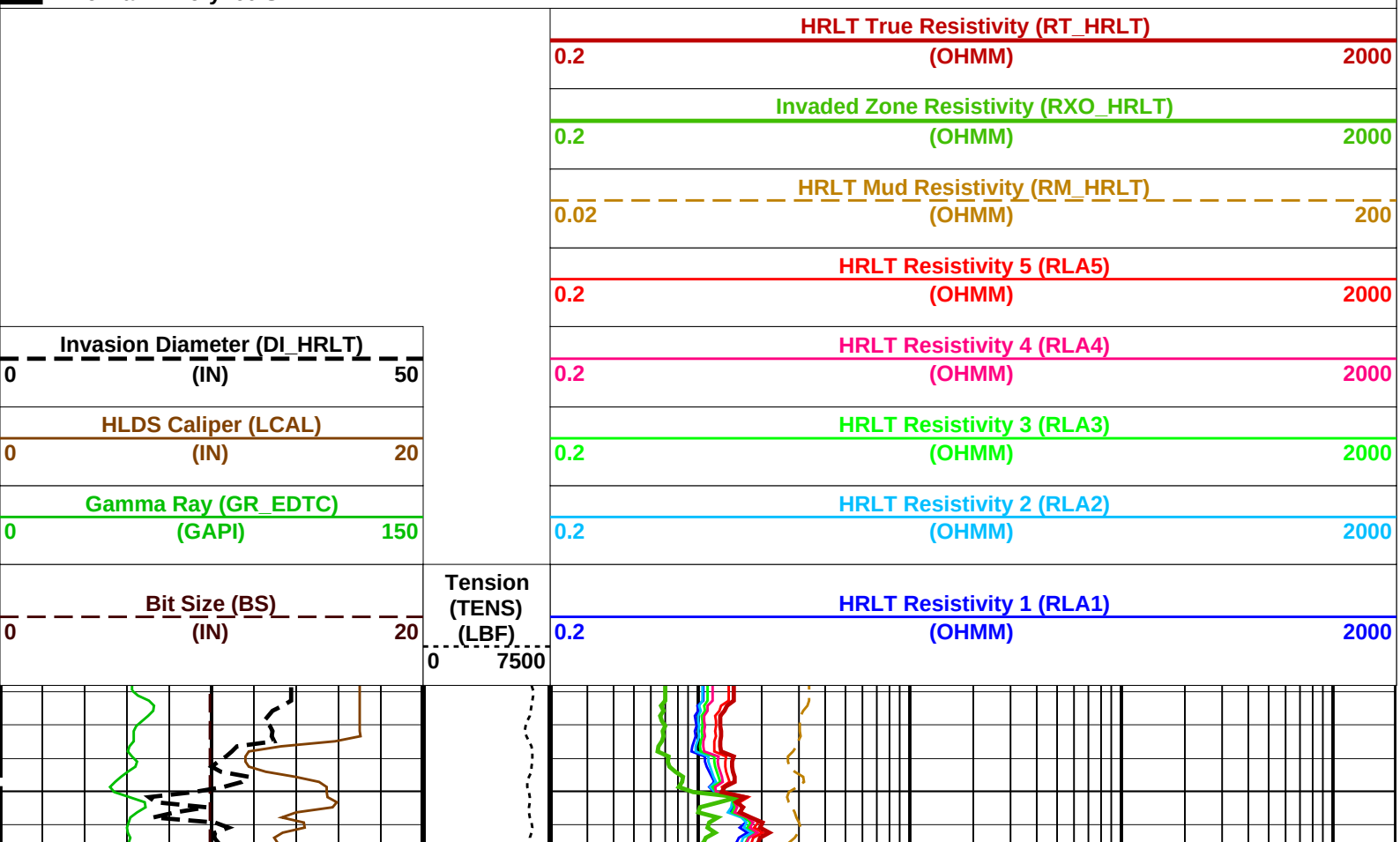
DEFAULT	DSI_HRLA_LDL_022PUP	FN:32	PRODUCER	09−Apr−2018 11:57	4476.0 M	4381.8 M
RTB	DSI_HRLA_LDL_022PUP	FN:33	PRODUCER	09−Apr−2018 11:57	4476.0 M	4381.8 M

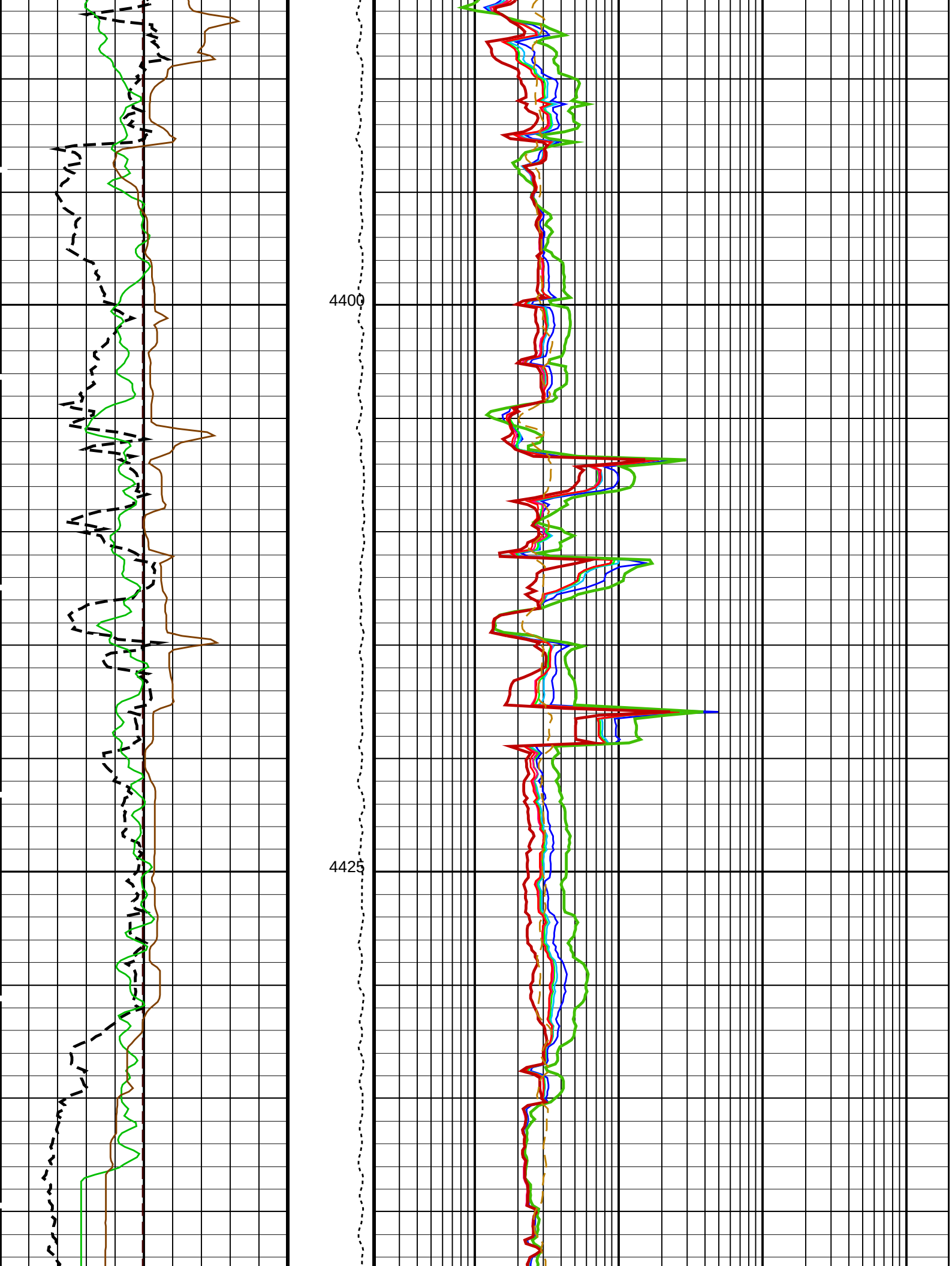
OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

PIP SUMMARY

Time Mark Every 60 S

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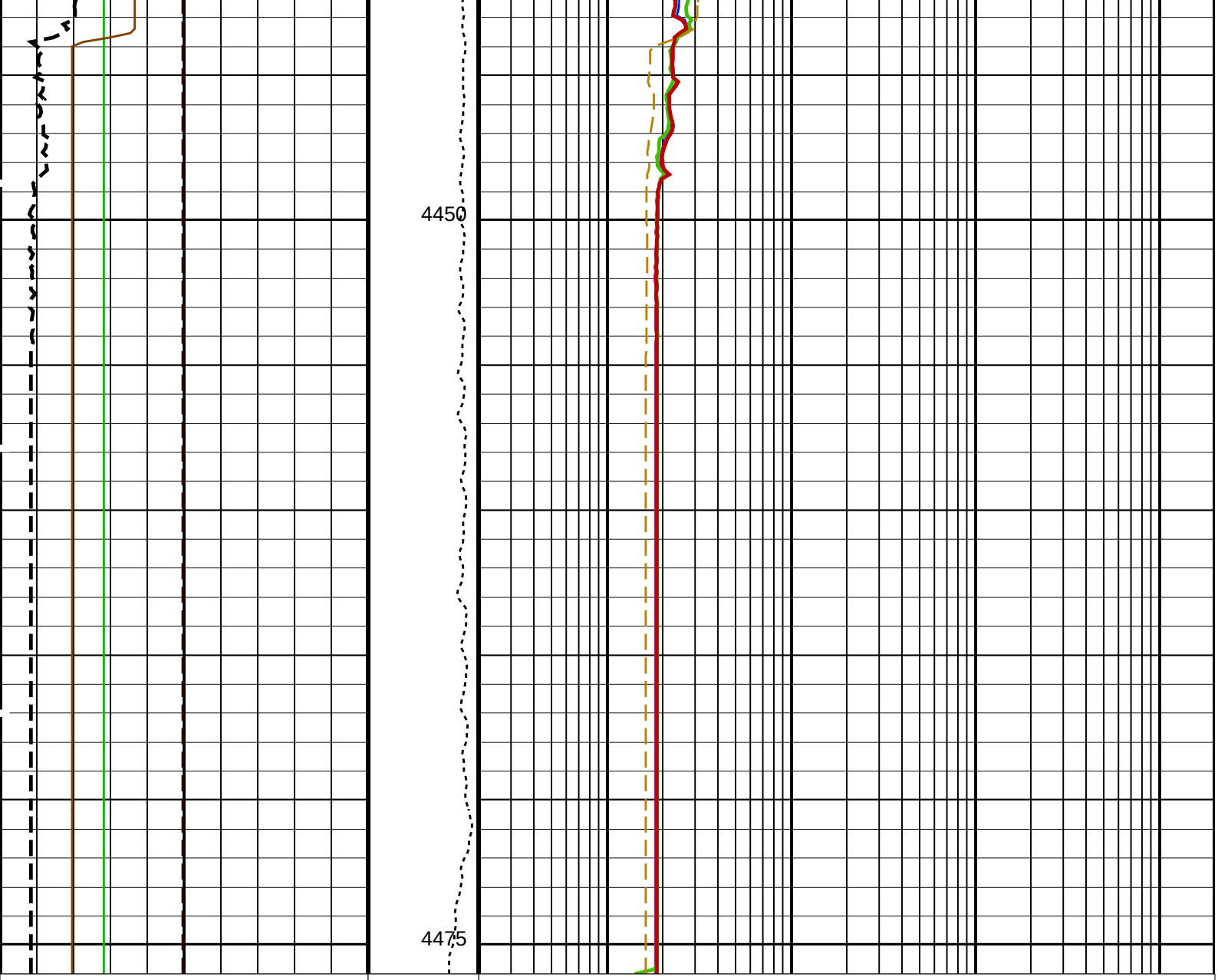


Bit Size (BS) 0 (IN) 20	**Tension (TENS) (LBF)** 0 7500	**HRLT Resistivity 1 (RLA1)** 0.2 (OHMM) 2000
Gamma Ray (GR_EDTC) 0 (GAPI) 150		**HRLT Resistivity 2 (RLA2)** 0.2 (OHMM) 2000
HLDS Caliper (LCAL) 0 (IN) 20		**HRLT Resistivity 3 (RLA3)** 0.2 (OHMM) 2000
Invasion Diameter (DI_HRLT) 0 (IN) 50		**HRLT Resistivity 4 (RLA4)** 0.2 (OHMM) 2000
		HRLT Resistivity 5 (RLA5) 0.2 (OHMM) 2000
		HRLT Mud Resistivity (RM_HRLT) 0.02 (OHMM) 200
		Invaded Zone Resistivity (RXO_HRLT) 0.2 (OHMM) 2000
		HRLT True Resistivity (RT_HRLT) 0.2 (OHMM) 2000

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
BHT	Bottom Hole Temperature (used in calculations)	60	DEGC
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	20	DEGC
	HRLT−B: High Resolution Laterolog Array − B		
BHT	Bottom Hole Temperature (used in calculations)	60	DEGC
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
KFAC_HRLT	HRLT K Factor Option	SONDE	
PROCINV	Inversion Selection	ON	
PROCMFL	Inversion Micro−Resistivity Selection	NO_EXTERNAL_RXO	
PROCMSO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	Sonde Position	Eccentered	
SHT	Surface Hole Temperature	20	DEGC
	EDTC−B: Enhanced DTS Cartridge		
BHT	Bottom Hole Temperature (used in calculations)	60	DEGC
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	20	DEGC
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	4590	M

Format: HRLT **Vertical Scale: 1:200** **Graphics File Created: 09−Apr−2018 11:57**

OP System Version: 19C0−187

DSST−B	19C0−187	HRLT−B	19C0−187
HLDS	19C0−187	LDSC−B	19C0−187
EDTC−B	SKK−5169−EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_012LUP	FN:16	PRODUCER	09−Apr−2018 09:15	4476.0 M	4381.8 M

Output DLIS Files

DEFAULT	DSI_HRLA_LDL_022PUP	FN:32	PRODUCER	09−Apr−2018 11:57
RTB	DSI_HRLA_LDL_022PUP	FN:33	PRODUCER	09−Apr−2018 11:57

Schlumberger

Calibrations

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units

High Resolution Laterolog Array − B Wellsite Calibration − HRLT M01
Before: 9−Apr−2018 5:17 After: 9−Apr−2018 12:18

HRLT M0−M1 Voltage Plus −	0	0	N/A	−318.4	−318.2	0.1876	9.681	UV
HRLT M0−M1 Voltage Plus −	1	0	N/A	−330.1	−328.9	1.262	9.681	UV
HRLT M0−M1 Voltage Plus −	2	0	N/A	−337.6	−336.5	1.148	9.681	UV
HRLT M0−M1 Voltage Plus −	3	0	N/A	−328.6	−327.5	1.081	9.681	UV
HRLT M0−M1 Voltage Plus −	4	0	N/A	−319.6	−319.5	0.1557	9.681	UV
HRLT M0−M1 Voltage Plus −	5	0	N/A	−321.5	−321.2	0.3155	9.681	UV
HRLT M0−M1 Voltage Plus −	6	0	N/A	319.3	318.3	−1.061	9.681	UV
HRLT M0−M1 Voltage Plus −	7	0	N/A	−322.7	−322.7	0	9.681	UV

High Resolution Laterolog Array − B Wellsite Calibration − HRLT M12
Before: 9−Apr−2018 5:17 After: 9−Apr−2018 12:18

HRLT M1−M2 Voltage Plus −	0	0	N/A	1739	1736	−2.968	53.42	UV
HRLT M1−M2 Voltage Plus −	1	0	N/A	1810	1801	−9.732	53.42	UV
HRLT M1−M2 Voltage Plus −	2	0	N/A	1844	1835	−8.734	53.42	UV
HRLT M1−M2 Voltage Plus −	3	0	N/A	1793	1785	−8.054	53.42	UV
HRLT M1−M2 Voltage Plus −	4	0	N/A	1743	1740	−3.135	53.42	UV
HRLT M1−M2 Voltage Plus −	5	0	N/A	1754	1750	−4.144	53.42	UV
HRLT M1−M2 Voltage Plus −	6	0	N/A	−1759	−1750	8.559	53.42	UV
HRLT M1−M2 Voltage Plus −	7	0	N/A	1781	1781	0	53.42	UV

High Resolution Laterolog Array − B Wellsite Calibration − HRLT M23
Before: 9−Apr−2018 5:17 After: 9−Apr−2018 12:18

HRLT M2−M3 Voltage Plus −	0	0	N/A	1732	1728	−3.435	53.42	UV
HRLT M2−M3 Voltage Plus −	1	0	N/A	1813	1802	−11.37	53.42	UV
HRLT M2−M3 Voltage Plus −	2	0	N/A	1848	1839	−9.732	53.42	UV
HRLT M2−M3 Voltage Plus −	3	0	N/A	1801	1793	−8.009	53.42	UV
HRLT M2−M3 Voltage Plus −	4	0	N/A	1745	1742	−3.465	53.42	UV
HRLT M2−M3 Voltage Plus −	5	0	N/A	1758	1753	−4.525	53.42	UV
HRLT M2−M3 Voltage Plus −	6	0	N/A	−1751	−1741	9.657	53.42	UV
HRLT M2−M3 Voltage Plus −	7	0	N/A	1781	1781	0	53.42	UV

High Resolution Laterolog Array − B Wellsite Calibration − HRLT V34
Before: 9−Apr−2018 5:17 After: 9−Apr−2018 12:18

HRLT A3−A4 Voltage Plus −	0	0	N/A	68600	68510	−87.19	2100	UV
HRLT A3−A4 Voltage Plus −	1	0	N/A	71680	71320	−362.1	2100	UV
HRLT A3−A4 Voltage Plus −	2	0	N/A	73360	73040	−322.1	2100	UV
HRLT A3−A4 Voltage Plus −	3	0	N/A	71730	71440	−286.9	2100	UV
HRLT A3−A4 Voltage Plus −	4	0	N/A	69480	69380	−102.9	2100	UV
HRLT A3−A4 Voltage Plus −	5	0	N/A	69960	69850	−109.4	2100	UV
HRLT A3−A4 Voltage Plus −	6	0	N/A	−68210	−67920	295.6	2100	UV
HRLT A3−A4 Voltage Plus −	7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array − B Wellsite Calibration − HRLT V45
Before: 9−Apr−2018 5:17 After: 9−Apr−2018 12:18

HRLT A4−A5 Voltage Plus −	0	0	N/A	68680	68600	−80.92	2100	UV
HRLT A4−A5 Voltage Plus −	1	0	N/A	71880	71530	−354.8	2100	UV
HRLT A4−A5 Voltage Plus −	2	0	N/A	73540	73230	−313.0	2100	UV
HRLT A4−A5 Voltage Plus −	3	0	N/A	71890	71610	−283.1	2100	UV
HRLT A4−A5 Voltage Plus −	4	0	N/A	69590	69490	−98.27	2100	UV
HRLT A4−A5 Voltage Plus −	5	0	N/A	70050	69940	−109.4	2100	UV
HRLT A4−A5 Voltage Plus −	6	0	N/A	−68420	−68130	291.2	2100	UV
HRLT A4−A5 Voltage Plus −	7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array − B Wellsite Calibration − HRLT V56
Before: 9−Apr−2018 5:17 After: 9−Apr−2018 12:18

HRLT A5−A6 Voltage Plus −	0	0	N/A	68520	68450	−75.91	2100	UV
HRLT A5−A6 Voltage Plus −	1	0	N/A	71710	71370	−345.6	2100	UV
HRLT A5−A6 Voltage Plus −	2	0	N/A	73390	73080	−314.7	2100	UV
HRLT A5−A6 Voltage Plus −	3	0	N/A	71740	71440	−298.3	2100	UV
HRLT A5−A6 Voltage Plus −	4	0	N/A	69440	69350	−93.59	2100	UV
HRLT A5−A6 Voltage Plus −	5	0	N/A	69940	69810	−134.0	2100	UV
HRLT A5−A6 Voltage Plus −	6	0	N/A	−68260	−67970	296.4	2100	UV
HRLT A5−A6 Voltage Plus −	7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array − B Wellsite Calibration − HRLT VTP
Before: 9−Apr−2018 5:17 After: 9−Apr−2018 12:18

HRLT Torpedo−M0 Voltage −	0	0	N/A	−68060	−67990	68.29	2100	UV
HRLT Torpedo−M0 Voltage −	1	0	N/A	−71520	−71180	348.6	2100	UV
HRLT Torpedo−M0 Voltage −	2	0	N/A	−73230	−72920	310.5	2100	UV
HRLT Torpedo−M0 Voltage −	3	0	N/A	−71650	−71380	274.1	2100	UV
HRLT Torpedo−M0 Voltage −	4	0	N/A	−69400	−69320	80.43	2100	UV
HRLT Torpedo−M0 Voltage −	5	0	N/A	−69880	−69770	107.6	2100	UV
HRLT Torpedo−M0 Voltage −	6	0	N/A	68020	67730	−290.3	2100	UV
HRLT Torpedo−M0 Voltage −	7	0	N/A	−70000	−70000	0	2100	UV

High Resolution Laterolog Array − B Wellsite Calibration − HRLT VBD
Before: 9−Apr−2018 5:17 After: 9−Apr−2018 12:18

HRLT Bridle#9−M0 Voltage −	0	0	N/A	−68090	−68030	59.91	2100	UV
HRLT Bridle#9−M0 Voltage −	1	0	N/A	−71610	−71270	344.2	2100	UV

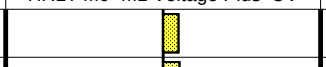
HRLT Bridle#9−M0 Voltage − 2	0	N/A	−73320	−73010	311.3	2100	UV
HRLT Bridle#9−M0 Voltage − 3	0	N/A	−71720	−71440	278.5	2100	UV
HRLT Bridle#9−M0 Voltage − 4	0	N/A	−69450	−69370	74.04	2100	UV
HRLT Bridle#9−M0 Voltage − 5	0	N/A	−69920	−69810	103.9	2100	UV
HRLT Bridle#9−M0 Voltage − 6	0	N/A	68110	67820	−282.8	2100	UV
HRLT Bridle#9−M0 Voltage − 7	0	N/A	−70000	−70000	0	2100	UV
High Resolution Laterolog Array − B Wellsite Calibration − HRLT ISO							
Before: 9−Apr−2018 5:17 After: 9−Apr−2018 12:18							
HRLT Source Current Plus − 0	0	N/A	284.1	283.8	−0.2389	8.520	UA
HRLT Source Current Plus − 1	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus − 2	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus − 3	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus − 4	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus − 5	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus − 6	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus − 7	0	N/A	281.1	281.1	0	8.520	UA
High Resolution Laterolog Array − B Wellsite Calibration − HRLT MV							
Before: 9−Apr−2018 5:17 After: 9−Apr−2018 12:18							
HRLT Vertical Voltage Pl − 0	0	N/A	−320.4	−319.9	0.4514	9.681	UV
HRLT Vertical Voltage Pl − 1	0	N/A	−325.1	−323.4	1.722	9.681	UV
HRLT Vertical Voltage Pl − 2	0	N/A	−331.3	−329.7	1.536	9.681	UV
HRLT Vertical Voltage Pl − 3	0	N/A	−320.6	−319.2	1.385	9.681	UV
HRLT Vertical Voltage Pl − 4	0	N/A	−308.9	−308.4	0.5088	9.681	UV
HRLT Vertical Voltage Pl − 5	0	N/A	−325.7	−325.0	0.6252	9.681	UV
HRLT Vertical Voltage Pl − 6	0	N/A	327.2	325.6	−1.564	9.681	UV
HRLT Vertical Voltage Pl − 7	0	N/A	−322.7	−322.7	0	9.681	UV
Enhanced DTS Cartridge Wellsite Calibration − EDTC Accelerometer Calibration							
Before: 9−Apr−2018 5:23							
EDTC Z−Axis Acceleration	9.810	N/A	9.746	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration − Detector Calibration							
Before: 9−Apr−2018 5:18 After: 9−Apr−2018 12:19							
Gamma Ray (Jig − Bkg)	145.2	N/A	145.2	141.6	−3.576	13.20	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	160.9	−4.065	15.00	GAPI

High Resolution Laterolog Array − B / Equipment Identification

Primary Equipment:		
HRLT Sonde	HRLS − B	768
Auxiliary Equipment:		
HRLT lower Housing	HRLH − B	968
HRLT Lower Cartridge	HRLC − B	974
HRLT upper Housing	HRUH − B	768
HRLT Upper Cartridge	HRUC − B	764

High Resolution Laterolog Array − B Wellsite Calibration

HRLT M01

Idx	Phase	HRLT M0−M1 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		−318.4	−322.7	−280.7	−379.7
	After		−318.2			
1	Before		−330.1	−322.7	−280.7	−379.7
	After		−328.9			
2	Before		−337.6	−322.7	−280.7	−379.7
	After		−336.5			
3	Before		−328.6	−322.7	−280.7	−379.7
	After		−327.5			
4	Before		−319.6	−322.7	−280.7	−379.7
	After		−319.5			
5	Before		−321.5	−322.7	−280.7	−379.7
	After		−321.2			
6	Before		319.3	322.7	379.7	280.7

	After		318.3			
7	Before		−322.7	−322.7	−280.7	−379.7
	After		−322.7			
	(Minimum)	(Nominal) (Maximum)				

Before: 9−Apr−2018 5:17

After: 9−Apr−2018 12:18

High Resolution Laterolog Array − B Wellsite Calibration

HRLT M12

Idx	Phase	HRLT M1−M2 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1739	1781	2095	1549
	After		1736			
1	Before		1810	1781	2095	1549
	After		1801			
2	Before		1844	1781	2095	1549
	After		1835			
3	Before		1793	1781	2095	1549
	After		1785			
4	Before		1743	1781	2095	1549
	After		1740			
5	Before		1754	1781	2095	1549
	After		1750			
6	Before		−1759	−1781	−1549	−2095
	After		−1750			
7	Before		1781	1781	2095	1549
	After		1781			
	(Minimum)	(Nominal) (Maximum)				

Before: 9−Apr−2018 5:17

After: 9−Apr−2018 12:18

High Resolution Laterolog Array − B Wellsite Calibration

HRLT M23

Idx	Phase	HRLT M2−M3 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1732	1781	2095	1549
	After		1728			
1	Before		1813	1781	2095	1549
	After		1802			
2	Before		1848	1781	2095	1549
	After		1839			
3	Before		1801	1781	2095	1549
	After		1793			
4	Before		1745	1781	2095	1549
	After		1742			
5	Before		1758	1781	2095	1549
	After		1753			
6	Before		−1751	−1781	−1549	−2095
	After		−1741			
7	Before		1781	1781	2095	1549

7	After		1781	1781	2095	1549
		(Minimum) (Nominal) (Maximum)				

Before: 9−Apr−2018 5:17
After: 9−Apr−2018 12:18

High Resolution Laterolog Array − B Wellsite Calibration

HRLT V34

Idx	Phase	HRLT A3−A4 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68600	70000	82360	60900
	After		68510			
1	Before		71680	70000	82360	60900
	After		71320			
2	Before		73360	70000	82360	60900
	After		73040			
3	Before		71730	70000	82360	60900
	After		71440			
4	Before		69480	70000	82360	60900
	After		69380			
5	Before		69960	70000	82360	60900
	After		69850			
6	Before		−68210	−70000	−60900	−82360
	After		−67920			
7	Before		70000	70000	82360	60900
	After		70000			
		(Minimum) (Nominal) (Maximum)				

Before: 9−Apr−2018 5:17
After: 9−Apr−2018 12:18

High Resolution Laterolog Array − B Wellsite Calibration

HRLT V45

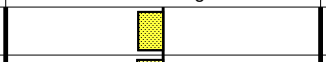
Idx	Phase	HRLT A4−A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68680	70000	82360	60900
	After		68600			
1	Before		71880	70000	82360	60900
	After		71530			
2	Before		73540	70000	82360	60900
	After		73230			
3	Before		71890	70000	82360	60900
	After		71610			
4	Before		69590	70000	82360	60900
	After		69490			
5	Before		70050	70000	82360	60900
	After		69940			
6	Before		−68420	−70000	−60900	−82360
	After		−68130			
7	Before		70000	70000	82360	60900
	After		70000			
		(Minimum) (Nominal) (Maximum)				

Before: 9−Apr−2018 5:17

After: 9−Apr−2018 12:18

High Resolution Laterolog Array − B Wellsite Calibration

HRLT V56

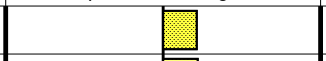
Idx	Phase	HRLT A5−A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68520	70000	82360	60900
	After		68450			
1	Before		71710	70000	82360	60900
	After		71370			
2	Before		73390	70000	82360	60900
	After		73080			
3	Before		71740	70000	82360	60900
	After		71440			
4	Before		69440	70000	82360	60900
	After		69350			
5	Before		69940	70000	82360	60900
	After		69810			
6	Before		−68260	−70000	−60900	−82360
	After		−67970			
7	Before		70000	70000	82360	60900
	After		70000			
		(Minimum) (Nominal) (Maximum)				

Before: 9−Apr−2018 5:17

After: 9−Apr−2018 12:18

High Resolution Laterolog Array − B Wellsite Calibration

HRLT VTP

Idx	Phase	HRLT Torpedo−M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		−68060	−70000	−60900	−82360
	After		−67990			
1	Before		−71520	−70000	−60900	−82360
	After		−71180			
2	Before		−73230	−70000	−60900	−82360
	After		−72920			
3	Before		−71650	−70000	−60900	−82360
	After		−71380			
4	Before		−69400	−70000	−60900	−82360
	After		−69320			
5	Before		−69880	−70000	−60900	−82360
	After		−69770			
6	Before		68020	70000	82360	60900
	After		67730			
7	Before		−70000	−70000	−60900	−82360
	After		−70000			
		(Minimum) (Nominal) (Maximum)				

Before: 9−Apr−2018 5:17

After: 9−Apr−2018 12:18

High Resolution Laterolog Array − B Wellsite Calibration

HRLT_VBD

Idx	Phase	HRLT Bridle#9−M0 Voltage Plus_UV	Value	Nominal	Maximum	Minimum
0	Before		−68090	−70000	−60900	−82360
	After		−68030			
1	Before		−71610	−70000	−60900	−82360
	After		−71270			
2	Before		−73320	−70000	−60900	−82360
	After		−73010			
3	Before		−71720	−70000	−60900	−82360
	After		−71440			
4	Before		−69450	−70000	−60900	−82360
	After		−69370			
5	Before		−69920	−70000	−60900	−82360
	After		−69810			
6	Before		68110	70000	82360	60900
	After		67820			
7	Before		−70000	−70000	−60900	−82360
	After		−70000			
		(Minimum) (Nominal) (Maximum)				

Before: 9−Apr−2018 5:17

After: 9−Apr−2018 12:18

High Resolution Laterolog Array − B Wellsite Calibration

HRLT_ISO

Idx	Phase	HRLT Source Current Plus_UA	Value	Nominal	Maximum	Minimum
0	Before		284.1	284.0	334.1	247.0
	After		283.8			
1	Before		281.1	281.1	330.7	244.4
	After		281.1			
2	Before		281.1	281.1	330.7	244.4
	After		281.1			
3	Before		281.1	281.1	330.7	244.4
	After		281.1			
4	Before		281.1	281.1	330.7	244.4
	After		281.1			
5	Before		281.1	281.1	330.7	244.4
	After		281.1			
6	Before		281.1	281.1	330.7	244.4
	After		281.1			
7	Before		281.1	281.1	330.7	244.4
	After		281.1			
		(Minimum) (Nominal) (Maximum)				

Before: 9−Apr−2018 5:17

After: 9−Apr−2018 12:18

High Resolution Laterolog Array − B Wellsite Calibration

HRLT_MV

Idx	Phase	HRLT Vertical Voltage Plus_UV	Value	Nominal	Maximum	Minimum

0	Before	−320.4	−322.7	−280.7	−379.7
	After	−319.9			
1	Before	−325.1	−322.7	−280.7	−379.7
	After	−323.4			
2	Before	−331.3	−322.7	−280.7	−379.7
	After	−329.7			
3	Before	−320.6	−322.7	−280.7	−379.7
	After	−319.2			
4	Before	−308.9	−322.7	−280.7	−379.7
	After	−308.4			
5	Before	−325.7	−322.7	−280.7	−379.7
	After	−325.0			
6	Before	327.2	322.7	379.7	280.7
	After	325.6			
7	Before	−322.7	−322.7	−280.7	−379.7
	After	−322.7			
	(Minimum) (Nominal) (Maximum)				

Before: 9−Apr−2018 5:17

After: 9−Apr−2018 12:18

Litho−Density Spectroscopy Cartridge − B / Equipment Identification

Primary Equipment:		
LDSC Cartridge	LDSC − B	521
Auxiliary Equipment:		
LDSC Housing	LDSH − A	319

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		9.746
	9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)	

Before: 9−Apr−2018 5:23

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		1.245	Before		145.2	Before		165.0
After		0.8095	After		141.6	After		160.9
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			132.0 (Minimum) 145.2 (Nominal) 158.4 (Maximum)			150.0 (Minimum) 165.0 (Nominal) 180.0 (Maximum)	

Before: 9−Apr−2018 5:18 After: 9−Apr−2018 12:19

Company:	**International Ocean Discovery Program**
Well:	**Expedition 375, Site U1520C**
Field:	**Hikurangi Subduction Margin**
Rig:	**JOIDES Resolution**
Country:	

Schlumberger

DSI−HRLA−HLDS−EDTC
No Nuclear Sources
(Sonic, Resistivity, Caliper, GR)