Schlumberger

Company: **International Ocean Discovery Program**

Well: **Expedition 390, Site U1556B**
Field: **South Atlantic Transect 1**
Rig: **JOIDES Resolution** Country: **South Africa**

Rig: JOIDES Resolution
Field: South Atlantic Transect 1
Location: Latitude: S 30.94207 Deg
Well: Expedition 390, Site U1556B
Company: International Ocean Discovery Pr

Dipole Shear Sonic Imager (DSI)
Formation Microresistivity (FMS)

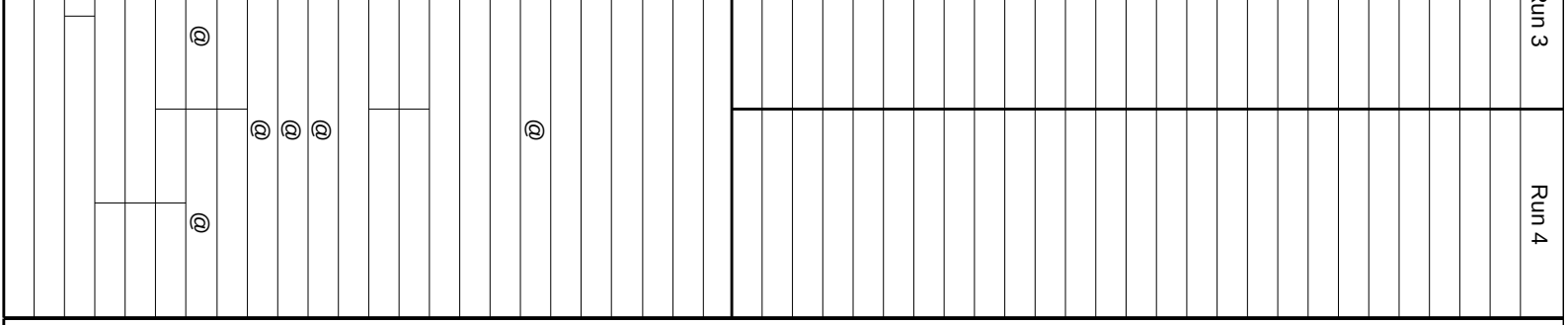
LOCATION

Latitude: S 30.94207 Deg Longitude: W 26.69912 Deg		Elev.: K.B.	0.00 m
		G.L.	−5013.10 m
		D.F.	0.00 m
Permanent Datum:	Sea Floor	Elev.:	−5013.10 m
Log Measured From:	Rig Floor	5013.10 m above Perm. Datum	
Drilling Measured From:	Rig Floor		

Ocean:	Max. Well Deviation	Longitude	Latitude
Atlantic	0 deg	−26.69912	−30.94207

	Run 1	Run 2	Run 3
Logging Date	3−May−2022		
Run Number	2		
Depth Driller	5645.5 m		
Schlumberger Depth	5647.9 m		
Bottom Log Interval	5647.9 m		
Top Log Interval	5016 m		
Casing Driller Size @ Depth	10.750 in @ 5297 m	@	
Casing Schlumberger	5302 m		
Bit Size	9.875 in		
Type Fluid In Hole	Seawater		
MUD Density / Viscosity	1.03 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	0.301 @ 11 / @ 11	@ / @	
Maximum Recorded Temperatures	11 degC		
Circulation Stopped Time	3−May−2022 9:00		
Logger On Bottom Time	6−May−2022 12:55		
Unit Number / Location	627314 Larose, LA	/	
Recorded By	C. Furman		
Witnessed By	A. Slagle		

	Run 1	Run 2	Run 3
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			



DISCLAIMER

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OTHER SERVICES1

OS1: HRLA
OS2: UBI
OS3: HLDS
OS4: HNGS

REMARKS: RUN NUMBER 1

Hole drilled with RCB BHA at 9 7/8" BS

Casing Shoe at 5297 mbrf

Drill pipe set at 5054.0 mbrf.

Depth recorded from drill floor; logs presented as−logged without depth corrections or shifts, as per client instructions.

All logs presented in wireline measured depth below rig floor (MDBRF).

Caliper opened during upward passes; closed inside pipe and while logging down.

Hole size corrections made using caliper measurements for upward passes bit size

used for downlog corrections.

AHC used from TD then switched off to facilitate pipe entry.

Caliper closed prior to shutting off compensator and entering pipe or casing.

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

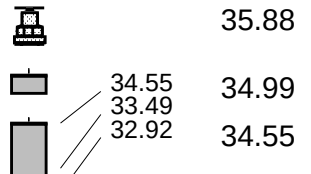
EQUIPMENT DESCRIPTION

RUN 1

SURFACE EQUIPMENT

GSR−U 6098
WITM (EDTS)−A

DOWNHOLE EQUIPMENT



LEH−QT
LEH−QT 301
AH−369
EDTC−B
EDTH−B 8528

RUN 2

EDTC−B 8529
EDTG−A/B 77693

TelStatus
EDTCB Ele — 32.57

HNGS−BA
HNGS−BA 177
HNSH−BA 174

Upper_1 — 31.87
Lower_2 — 31.66

32.57

HNGC−B
HNGH−A 115

HNGC Stat — 29.54

30.07

AH−MCD
AH−MCD 82

29.01

DSST−B
SPAC−B 8194
ECH−SD 8183
SMDR−BD 8232
SSIJ−BA 8204
SMDX−AA 8194

26.73

PWF — 11.18

AH−MCD1
AH−MCD1 1

11.18

DTA−A
ECH−KE

8.90

MEST−B
MEAH−B 769
MEAC−A 804
MEPH−A 701
GPIC−AC 840
MEPC−AB 806
MEDS−B 724

7.68

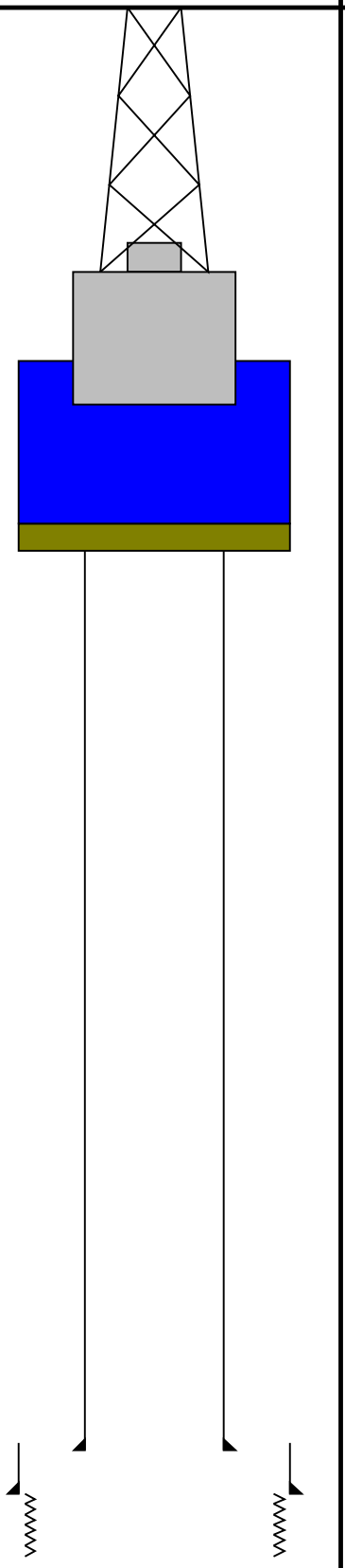
MEDR MEAC
MEPC MEDS−B — 0.46
HV DF ACCZ
Tension GPIT — 0.00

TOOL ZERO

MAXIMUM STRING DIAMETER 3.75 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	
0.0	5.500	4.125	Mean Sea Level
5054.0	5.500	4.125	Bit
5013.0	10.750	9.900	Sea Bed
5297.0	10.750	9.900	Casing Shoe
5297.0	9.875		Open Hole
5645.3	9.875		TD – Driller

Schlumberger

Downlog

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_065LUP		PRODUCER	06−May−2022 03:06	5612.0 M	4969.8 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_067PUP	FN:77	PRODUCER	06−May−2022 03:08	5612.0 M	4969.8 M
RTB	FMS_DSI_NGS_067PUP	FN:78	PRODUCER	06−May−2022 03:08	5612.0 M	4969.8 M

OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)
0 (GAPI) 100

Area1
From HCGR to HSGR

HNGS Computed Gamma Ray (HCGR)
0 (GAPI) 100

HNGS Borehole Potassium (HBHK)
−0.05 (−−−−) 0.05

Caliper 2 (C2)
6 (IN) 16

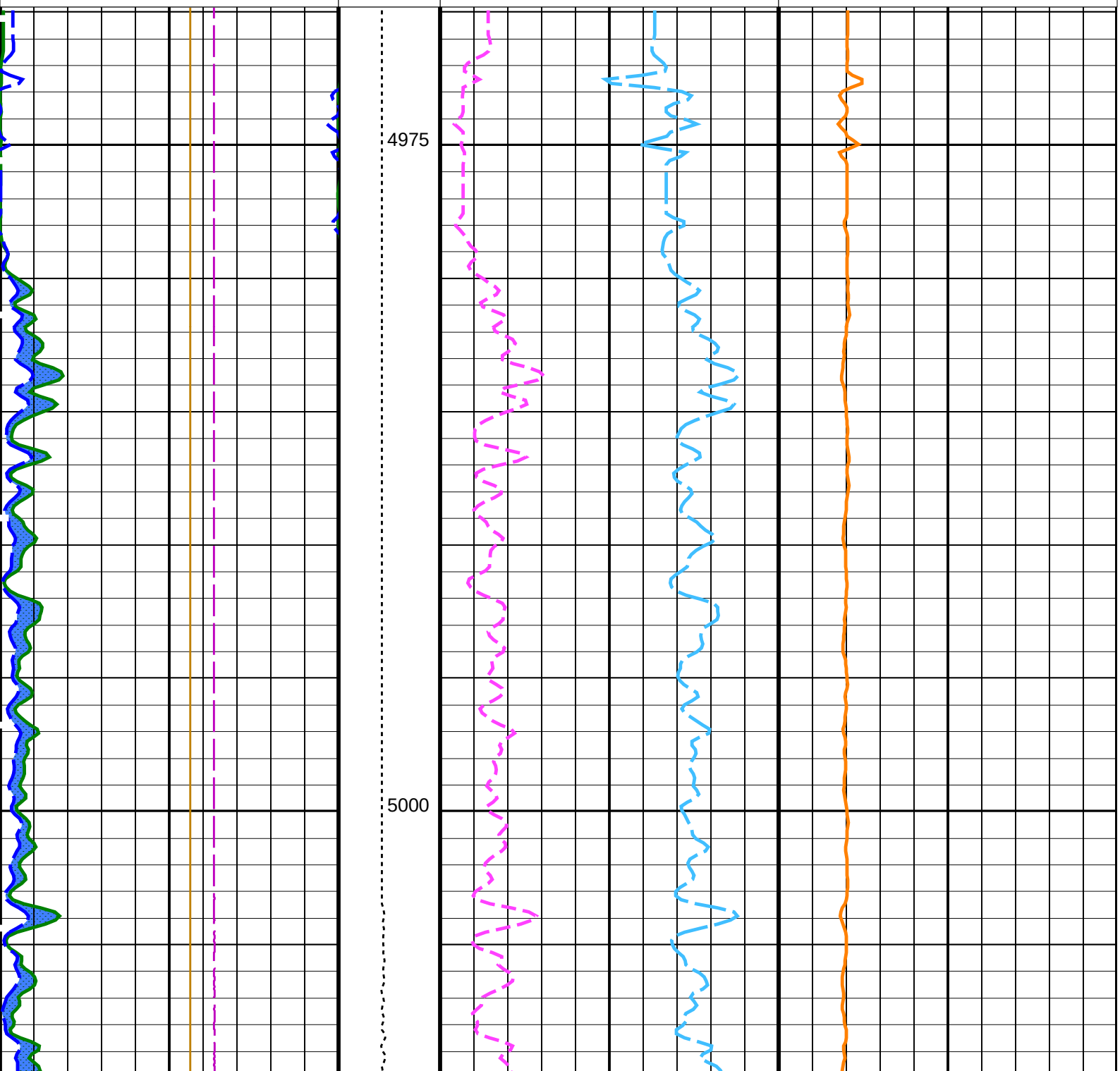
HNGS Uranium (HURA)
−5 (PPM) 10

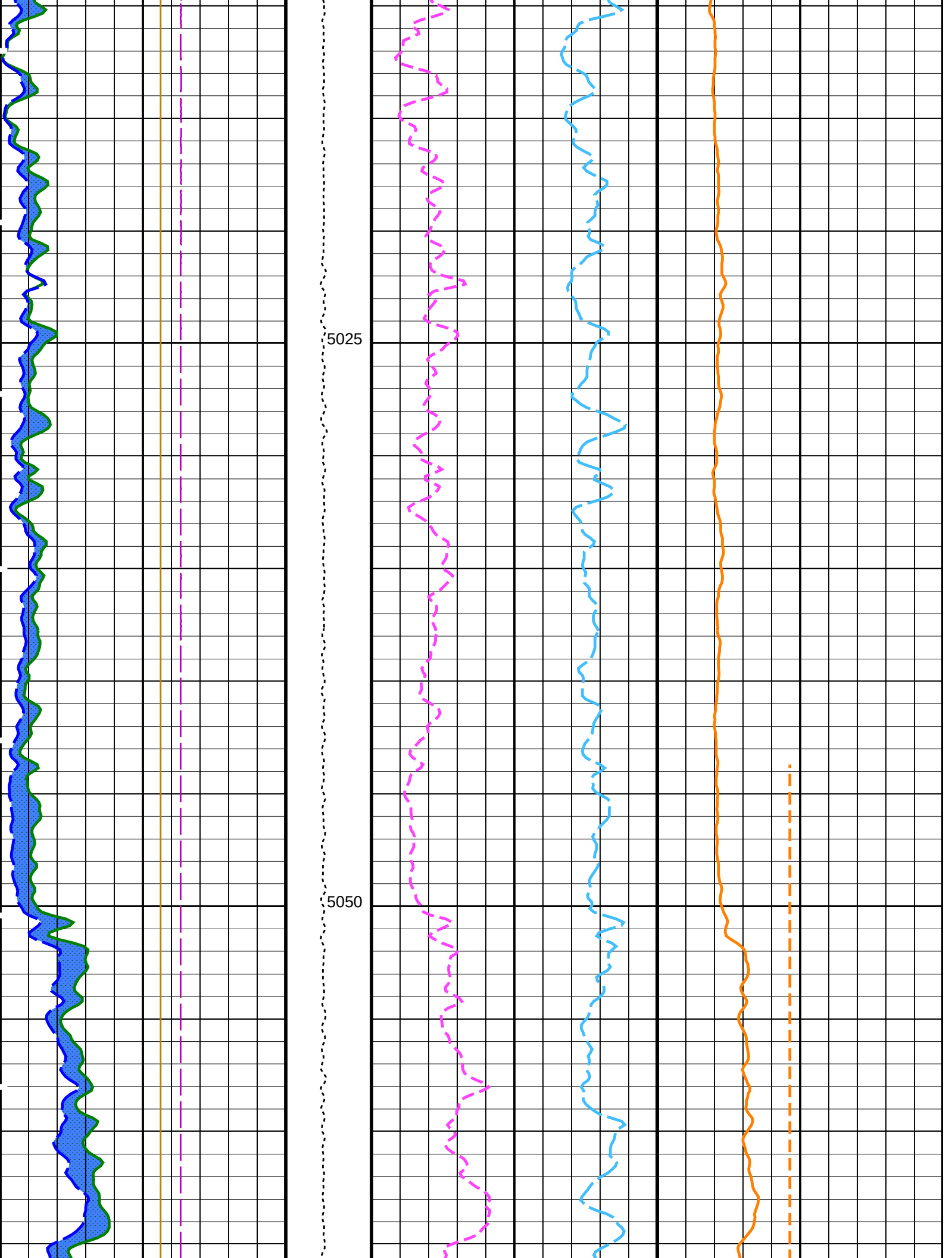
Caliper 1 (C1)
6 (IN) 16

Tension (TENS) (LBF)
10000 0

HNGS Thorium (HTHO)
−1 (PPM) 14

HNGS Potassium (HFK)
−0.01 (−−−−) 0.04

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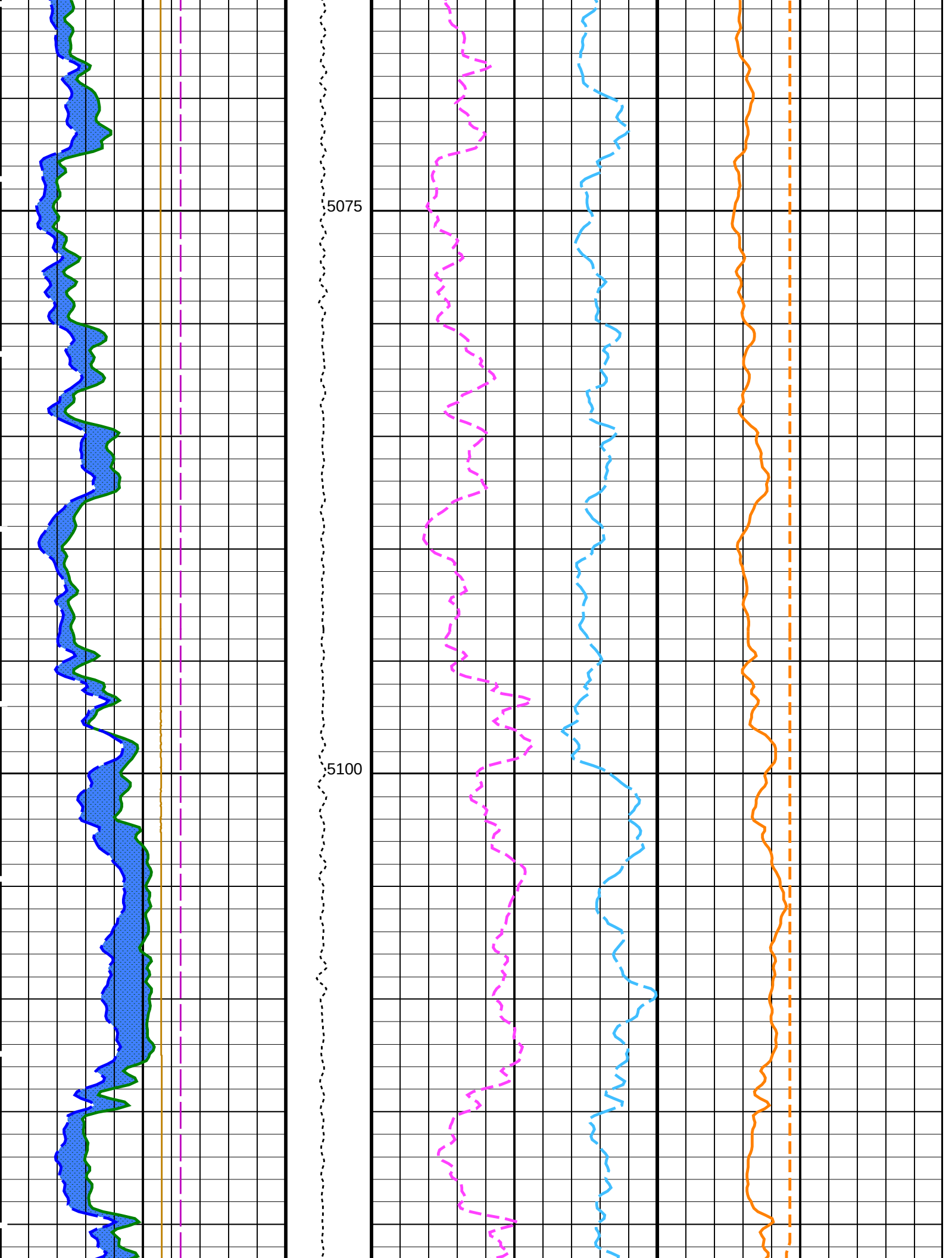
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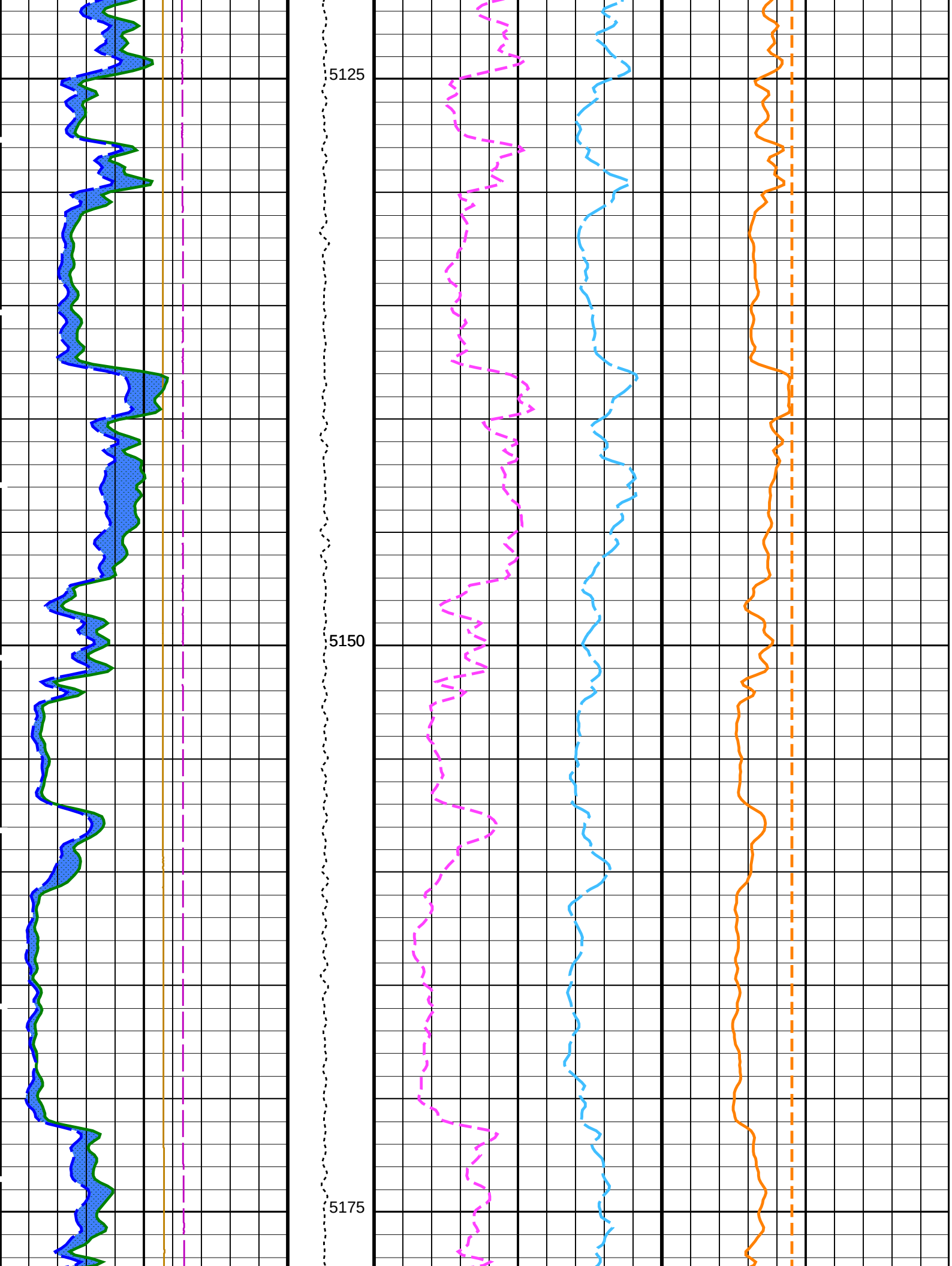
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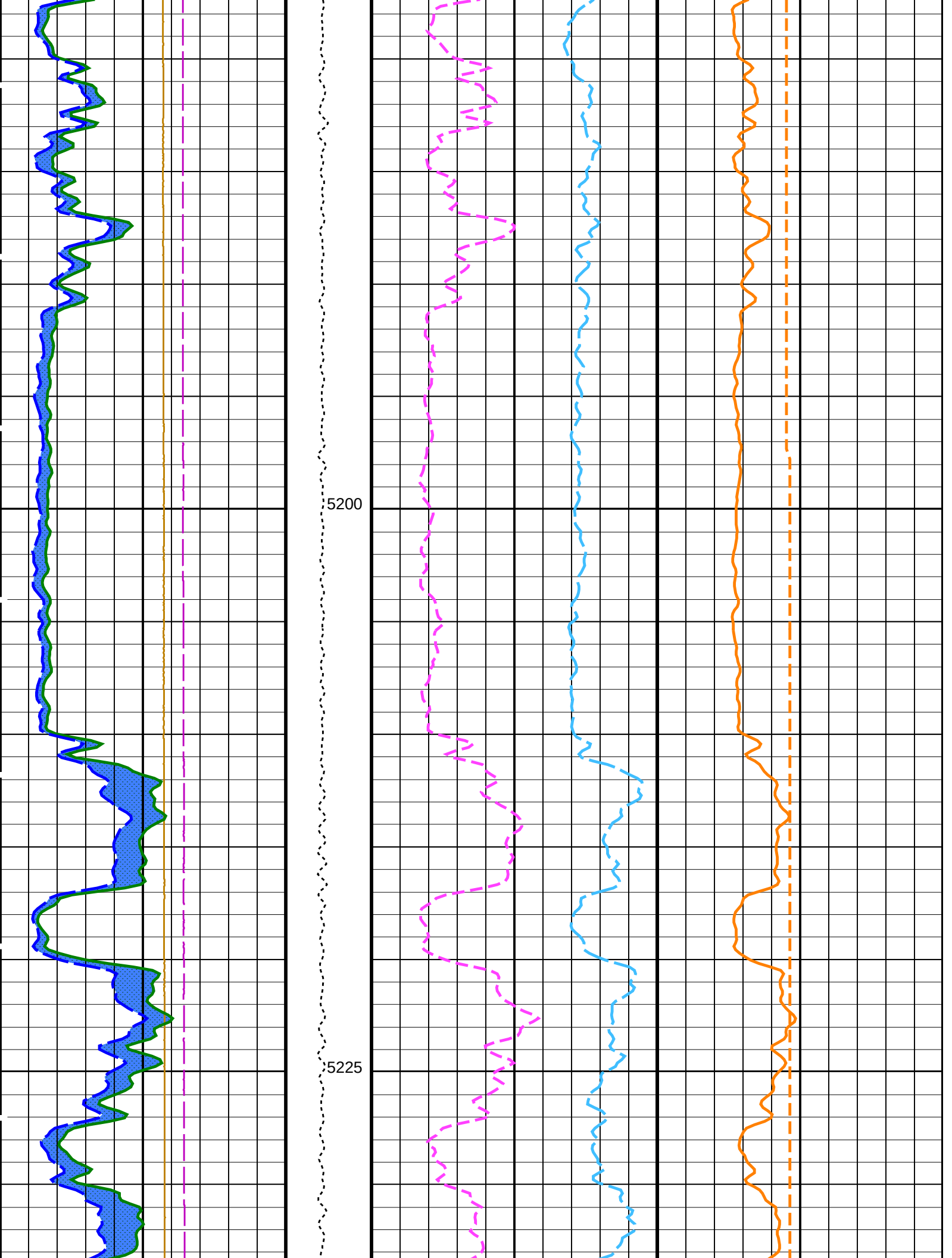
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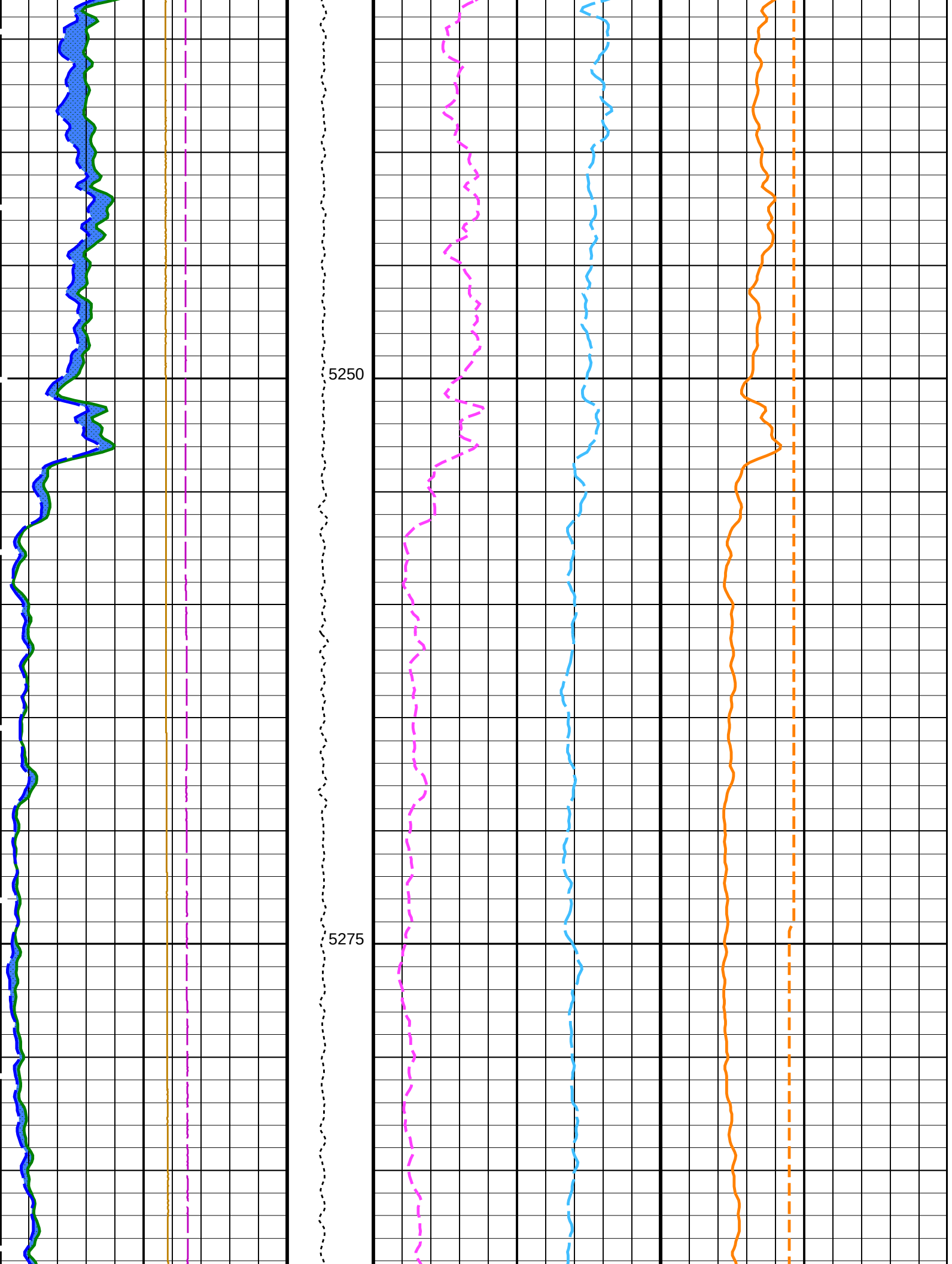
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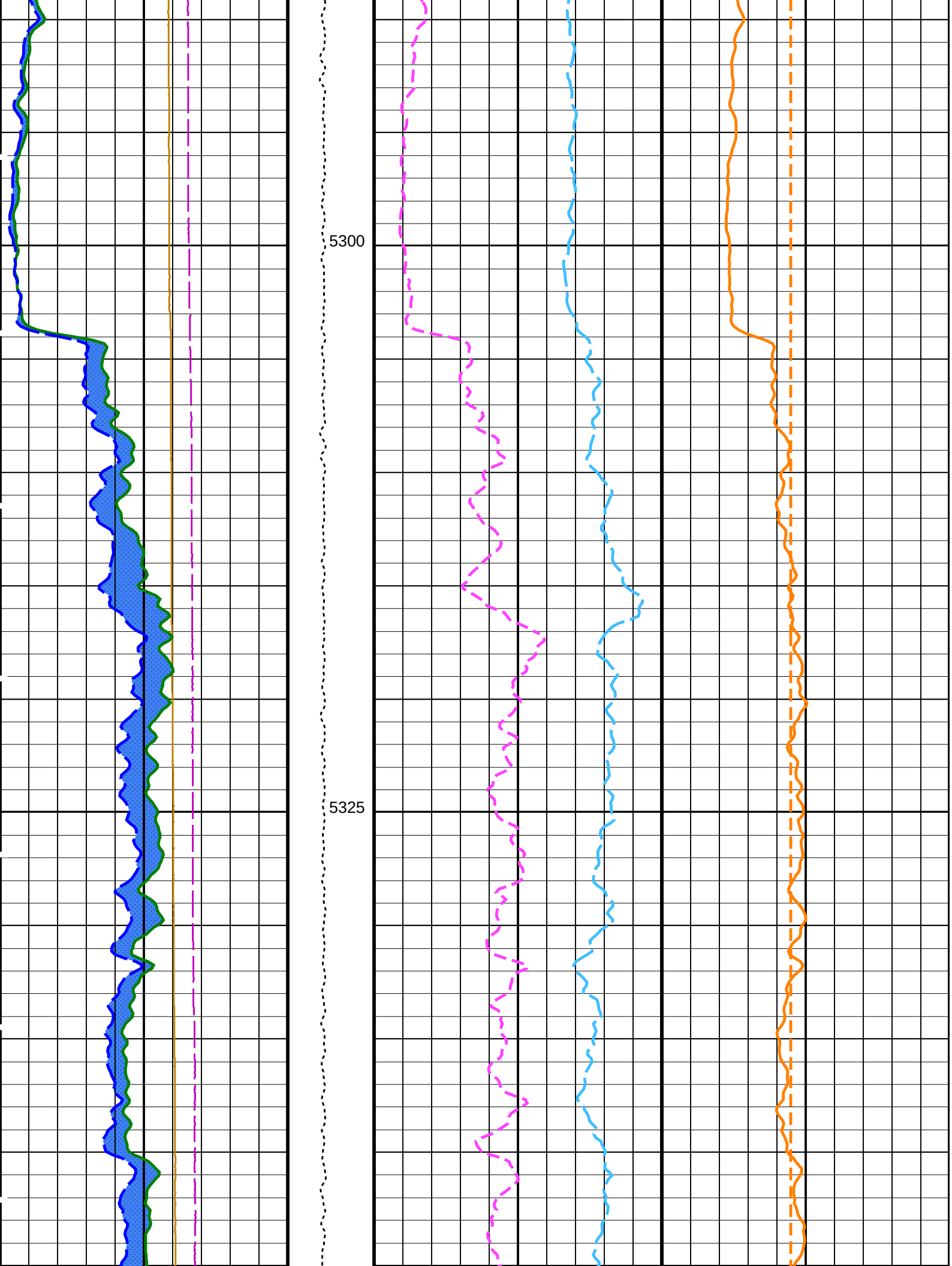
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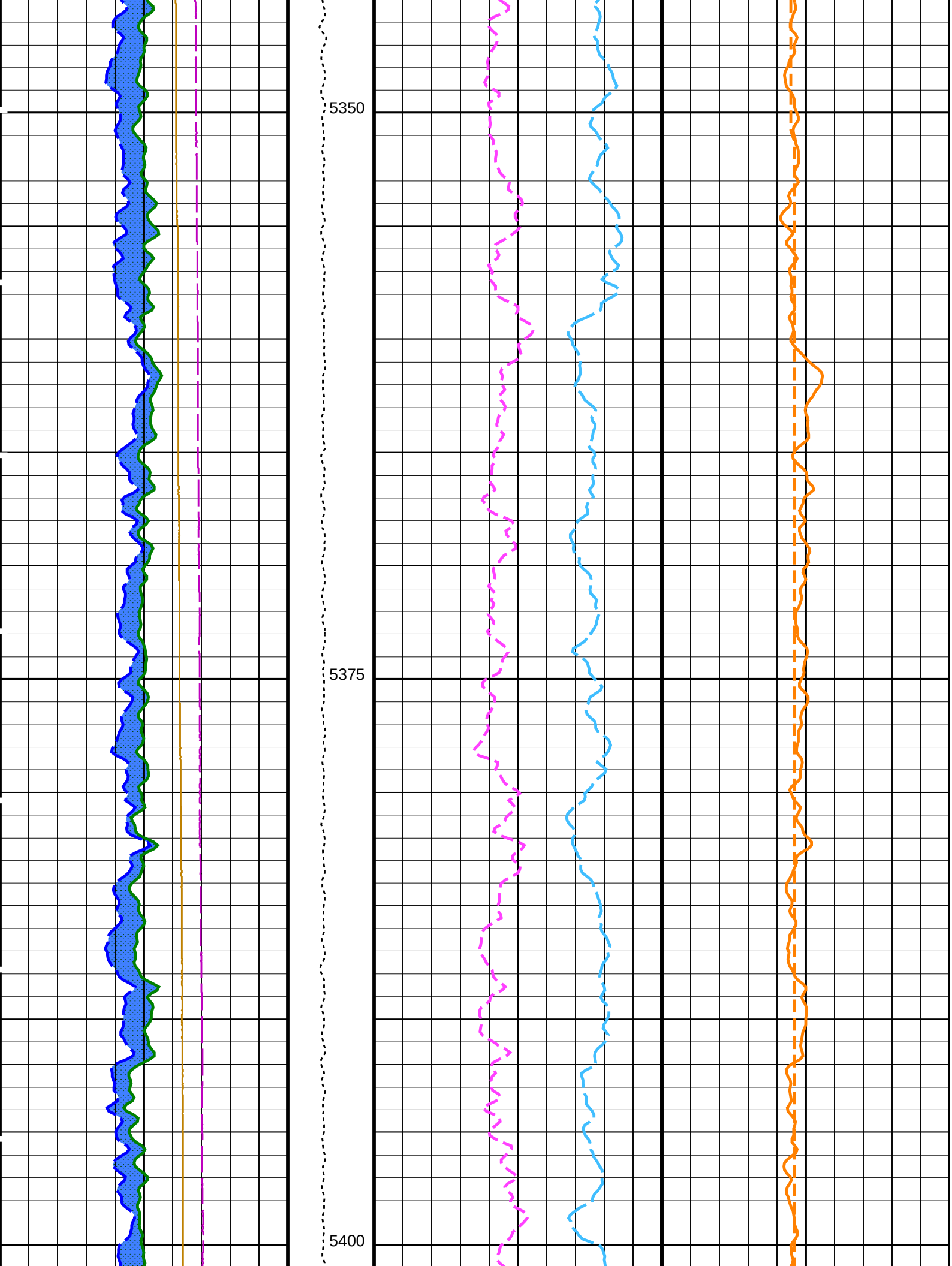
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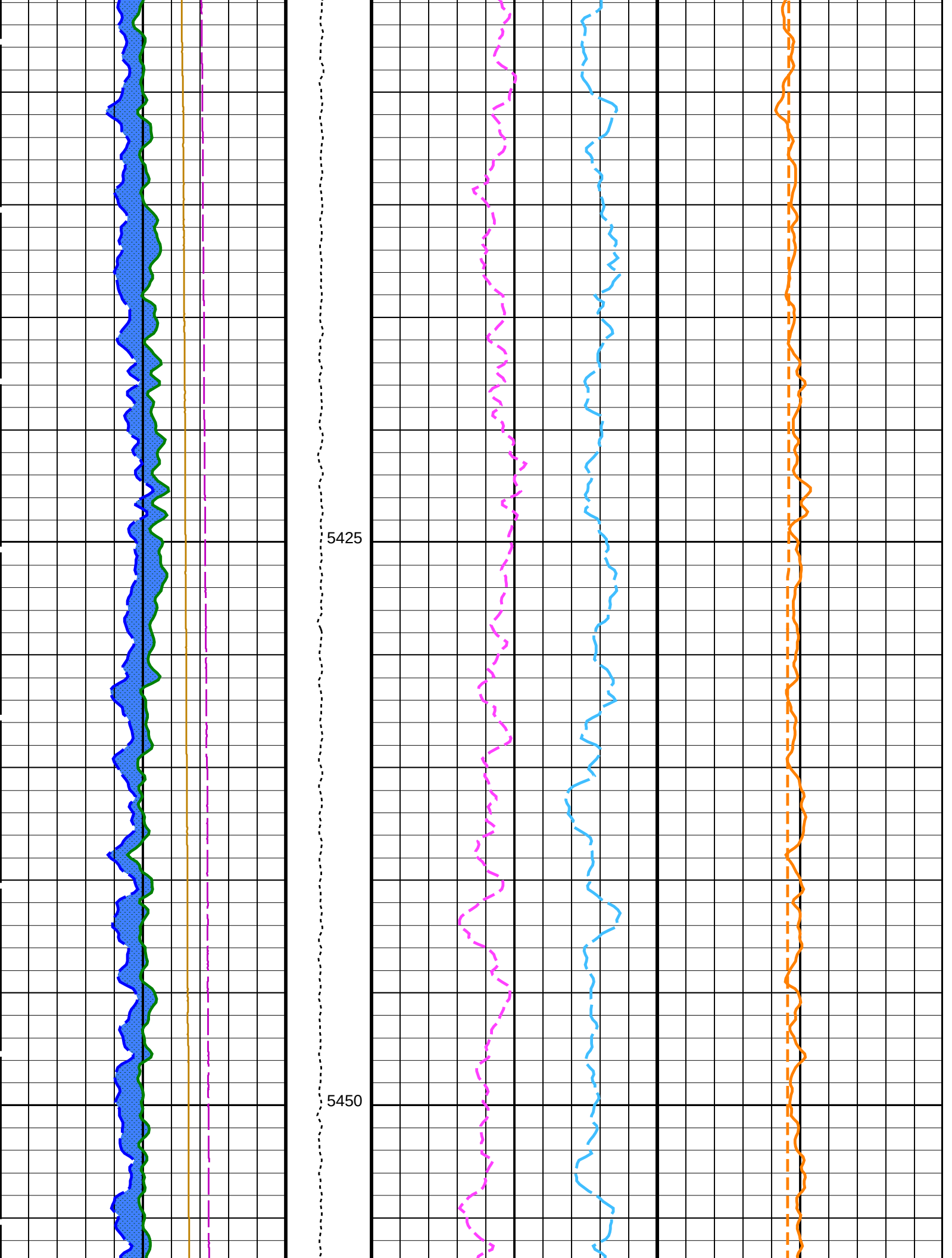
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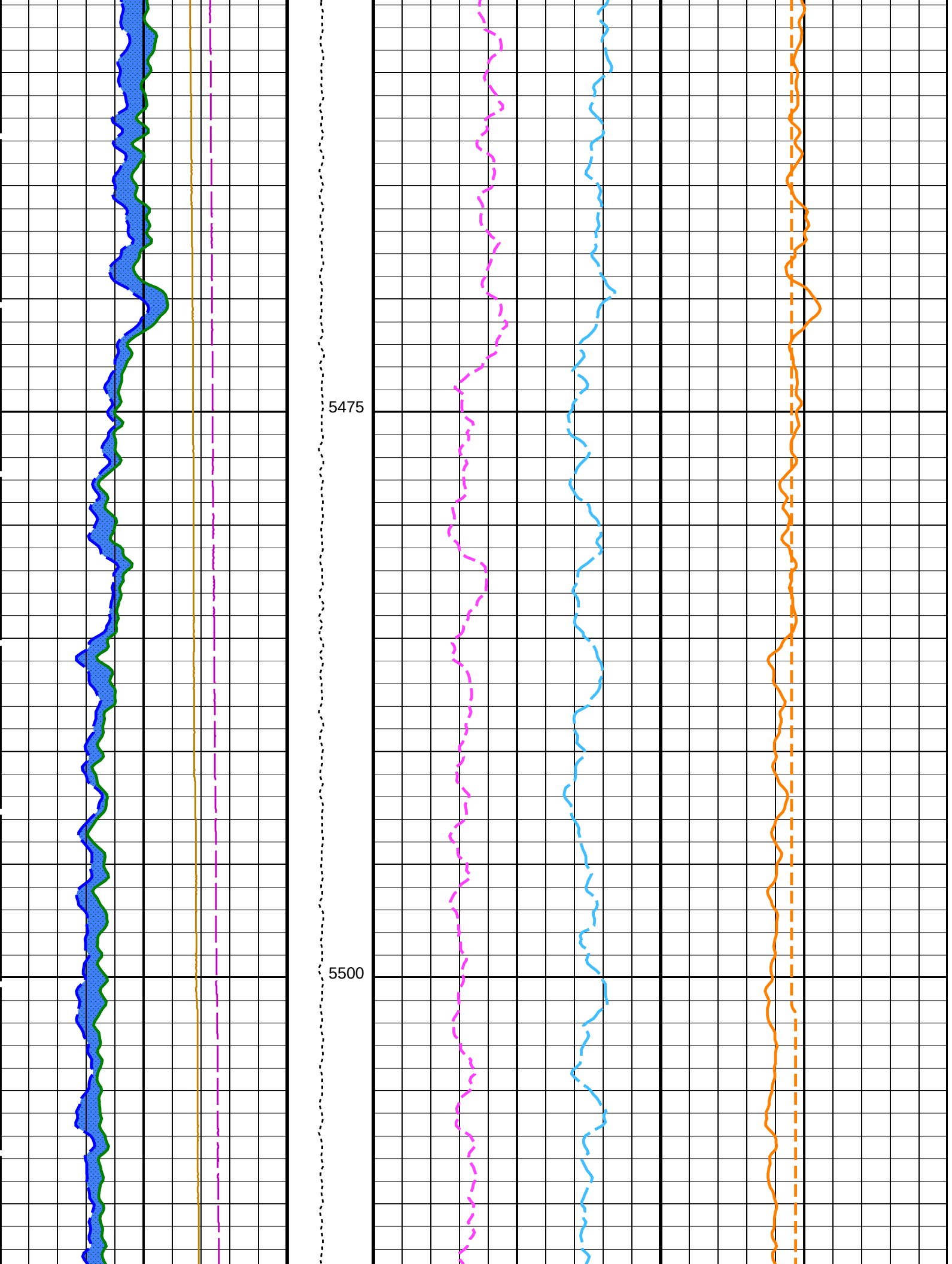
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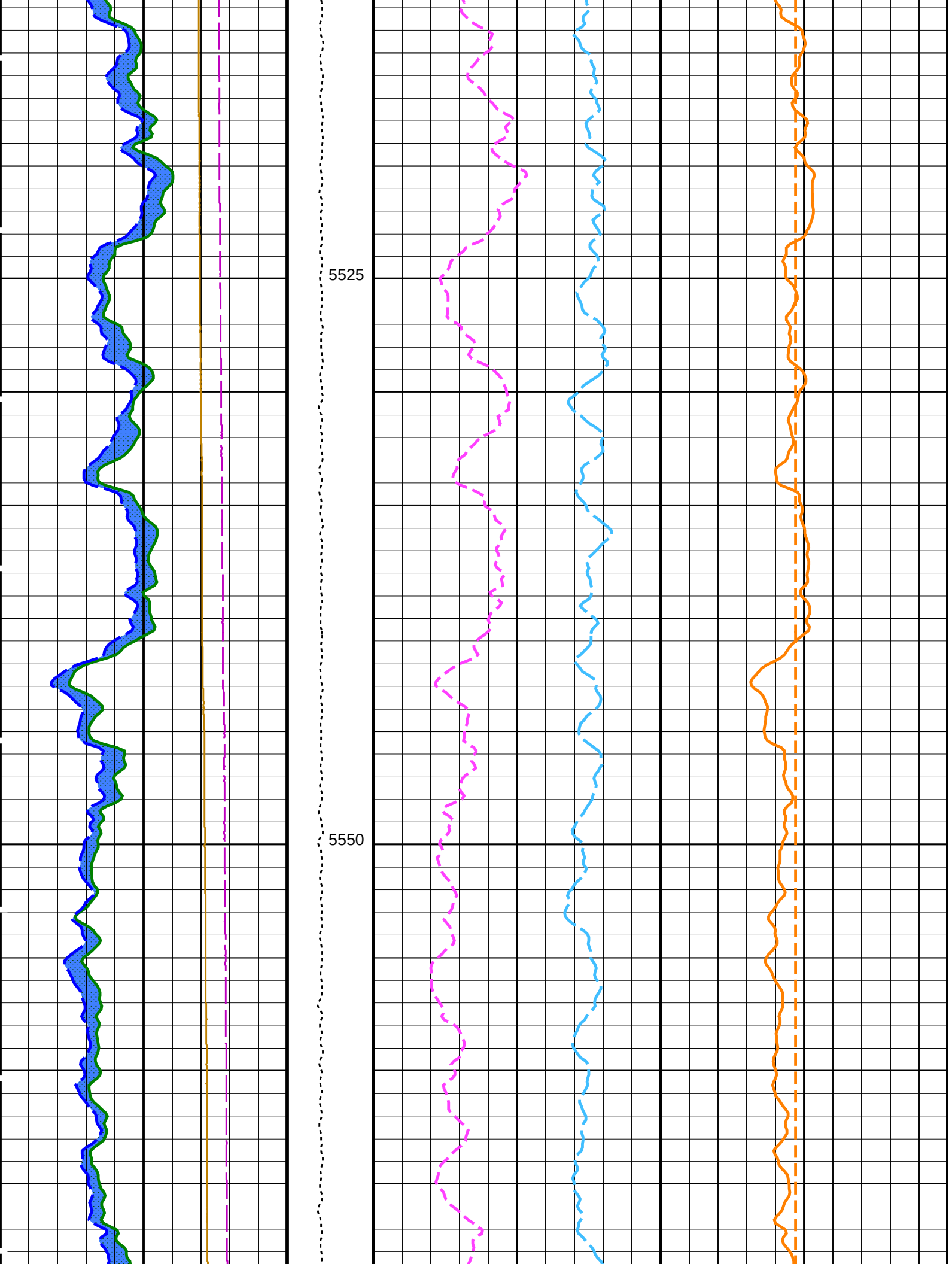
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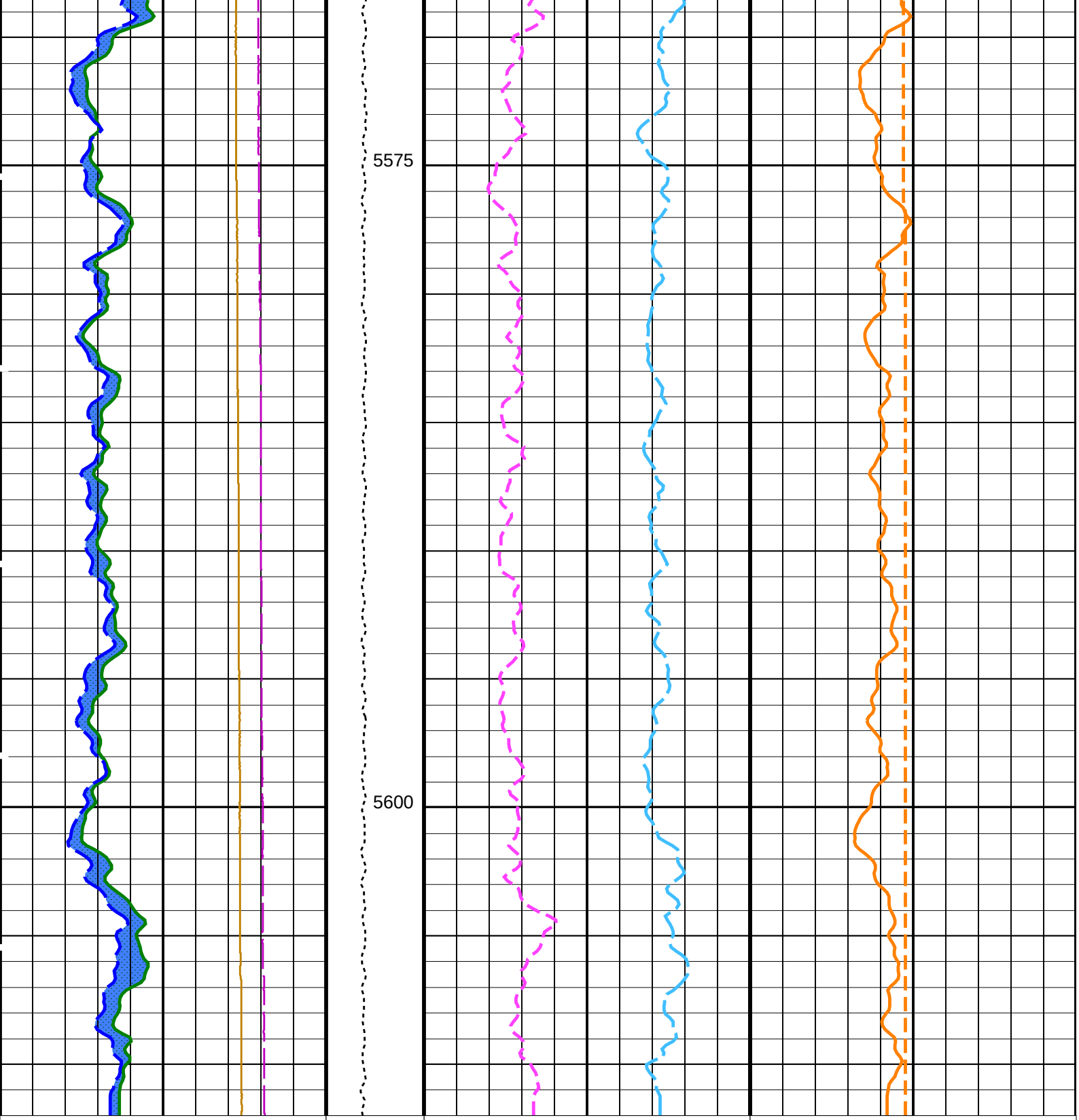


Caliper 1 (C1)
6 (IN) 16

Caliper 2 (C2)
6 (IN) 16

HNGS Computed Gamma Ray (HCGR)
0 (GAPI) 100

Area1
From HCGR to HSGR

HNGS Spectroscopy Gamma Ray (HSGR)

Tension (TENS) (LBF)
10000 0

HNGS Thorium (HTHO)
−1 (PPM) 14

HNGS Uranium (HURA)
−5 (PPM) 10

HNGS Potassium (HFK)
−0.01 (−−−−) 0.04

HNGS Borehole Potassium (HBHK)
−0.05 (−−−−) 0.05

	(HSGR)	
0	(GAPI)	100

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	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	−0.00902081	
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	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma−Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.03874	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.01132	
	EDTC−B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: HNGSYields **Vertical Scale: 1:200** **Graphics File Created: 06−May−2022 03:08**

OP System Version: 19C0−187

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

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_065LUP	PRODUCER	06−May−2022 03:06	5612.0 M	4969.8 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_067PUP	FN:77	PRODUCER	06−May−2022 03:08		
RTB	FMS_DSI_NGS_067PUP	FN:78	PRODUCER	06−May−2022 03:08		

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_065LUP	PRODUCER	06−May−2022 03:06	5612.0 M	4969.8 M

Output DLIS Files

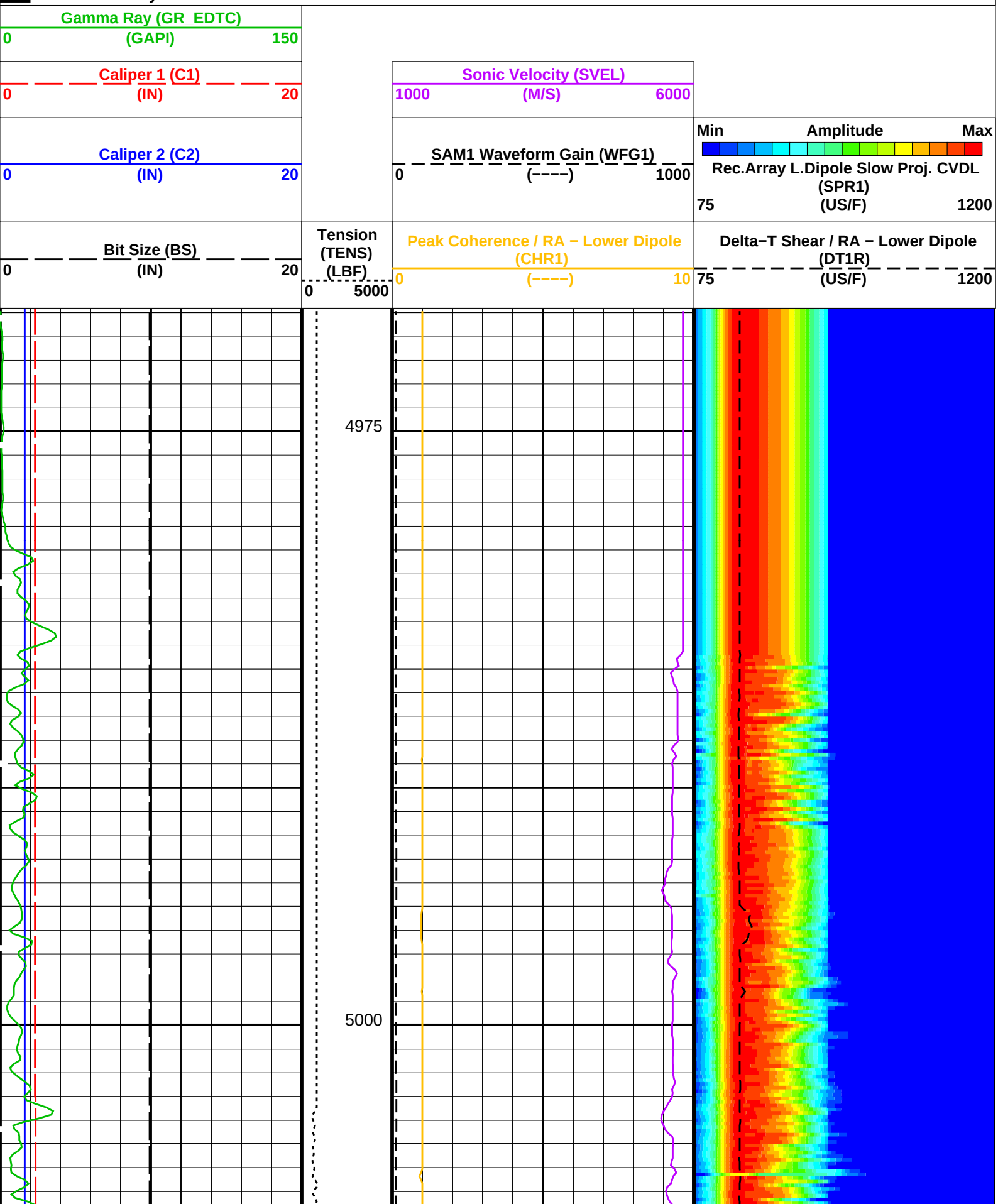
DEFAULT	FMS_DSI_NGS_067PUP	FN:77	PRODUCER	06−May−2022 03:08	5612.0 M	4969.8 M
RTB	FMS_DSI_NGS_067PUP	FN:78	PRODUCER	06−May−2022 03:08	5612.0 M	4969.8 M

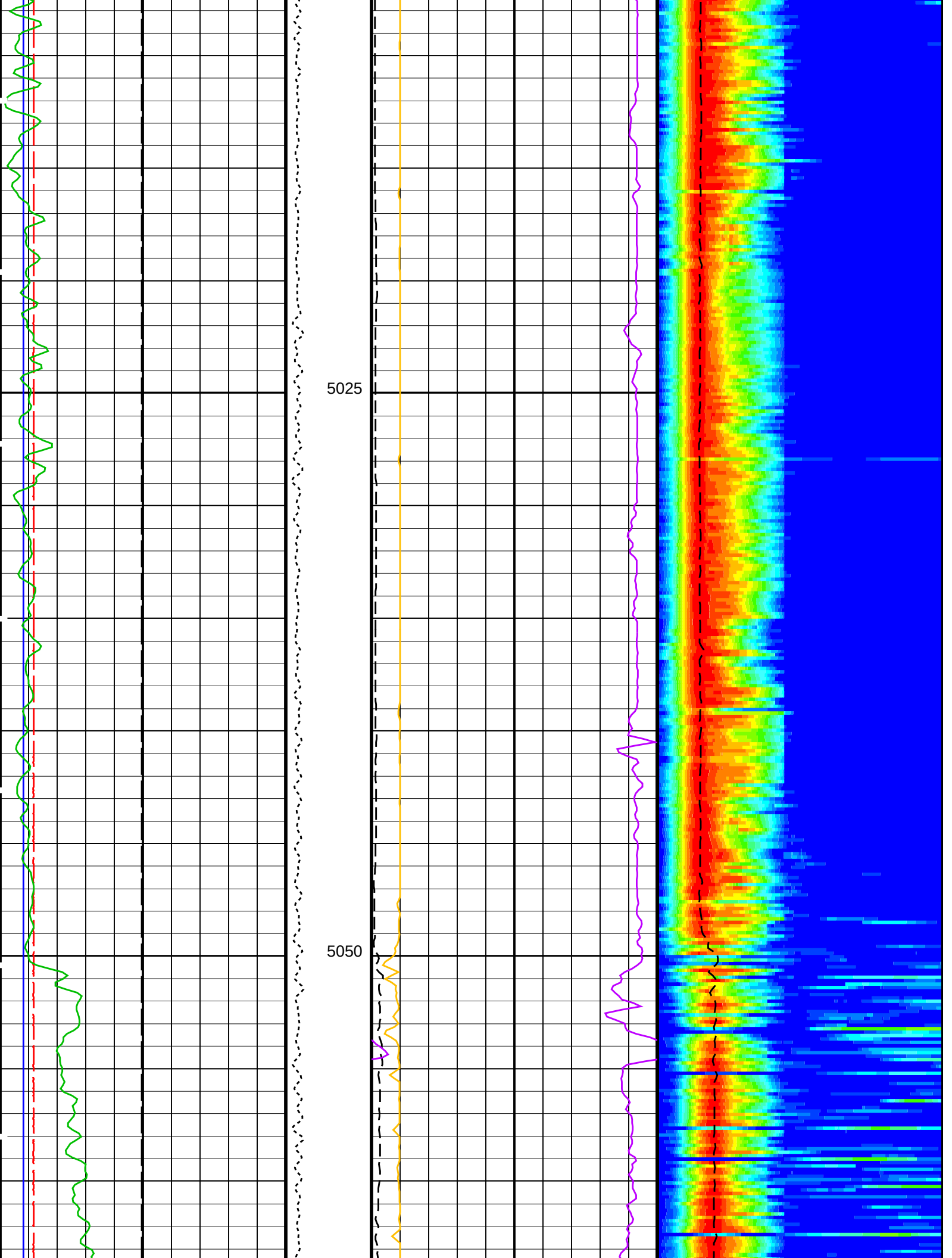
OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

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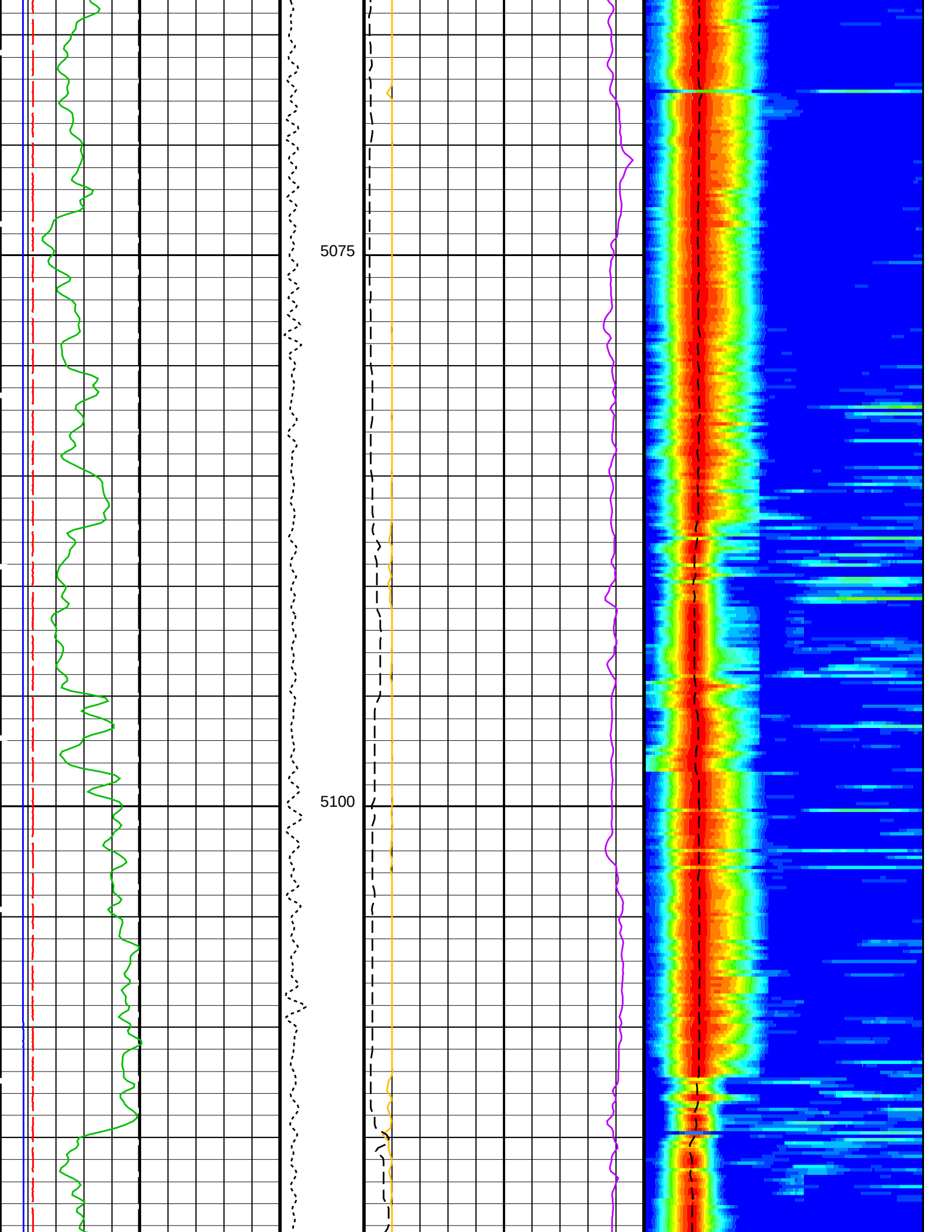
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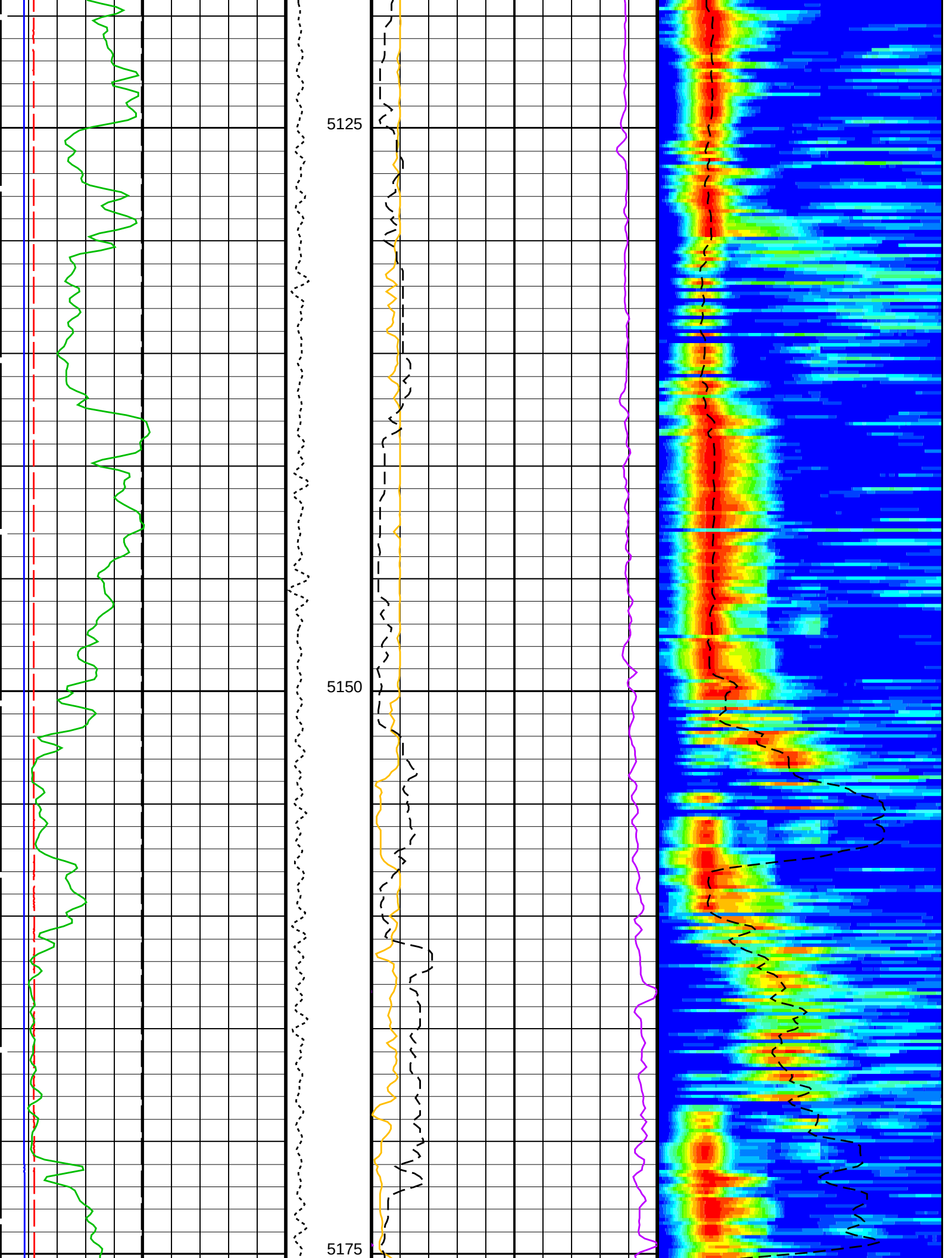
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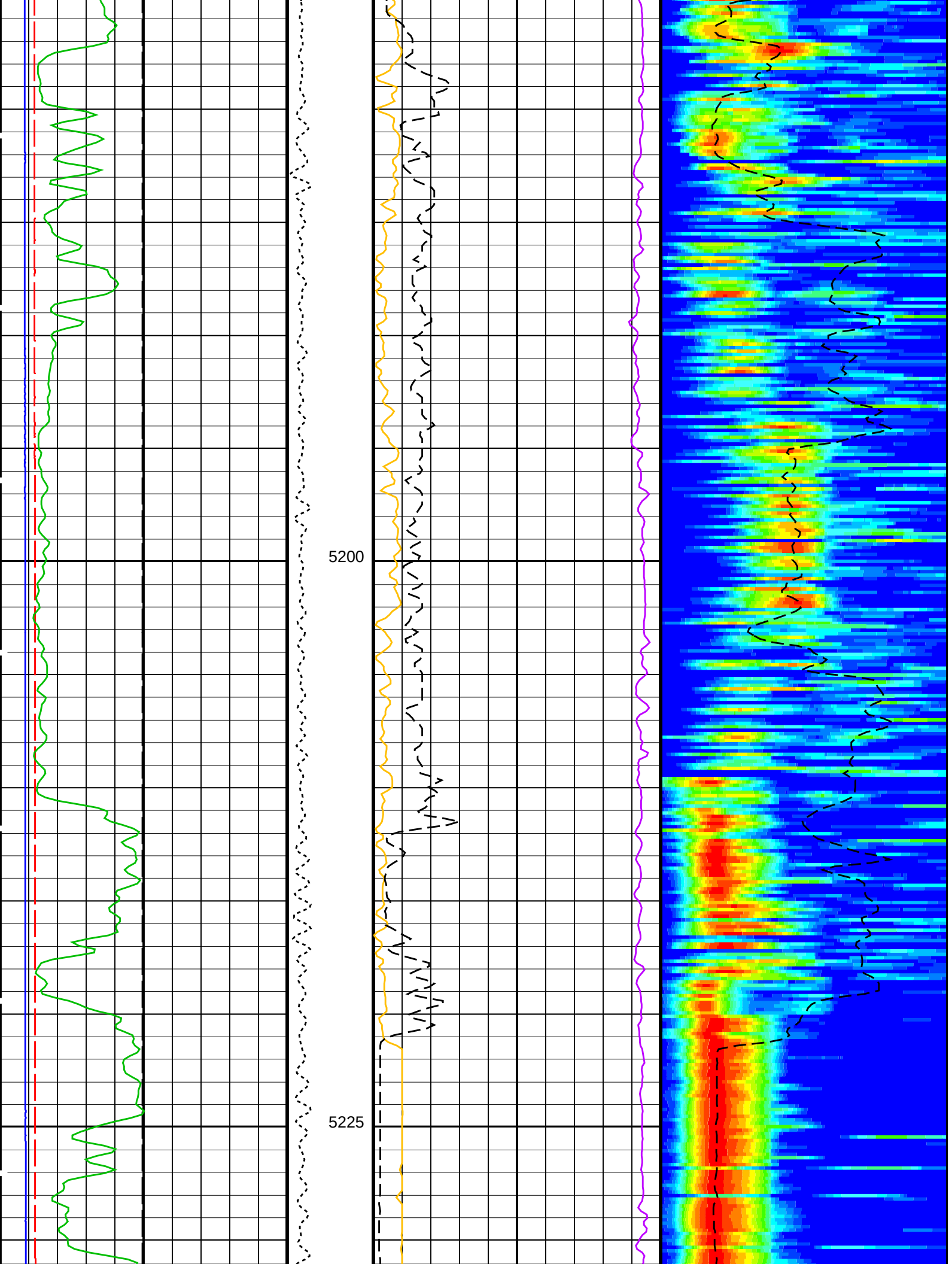
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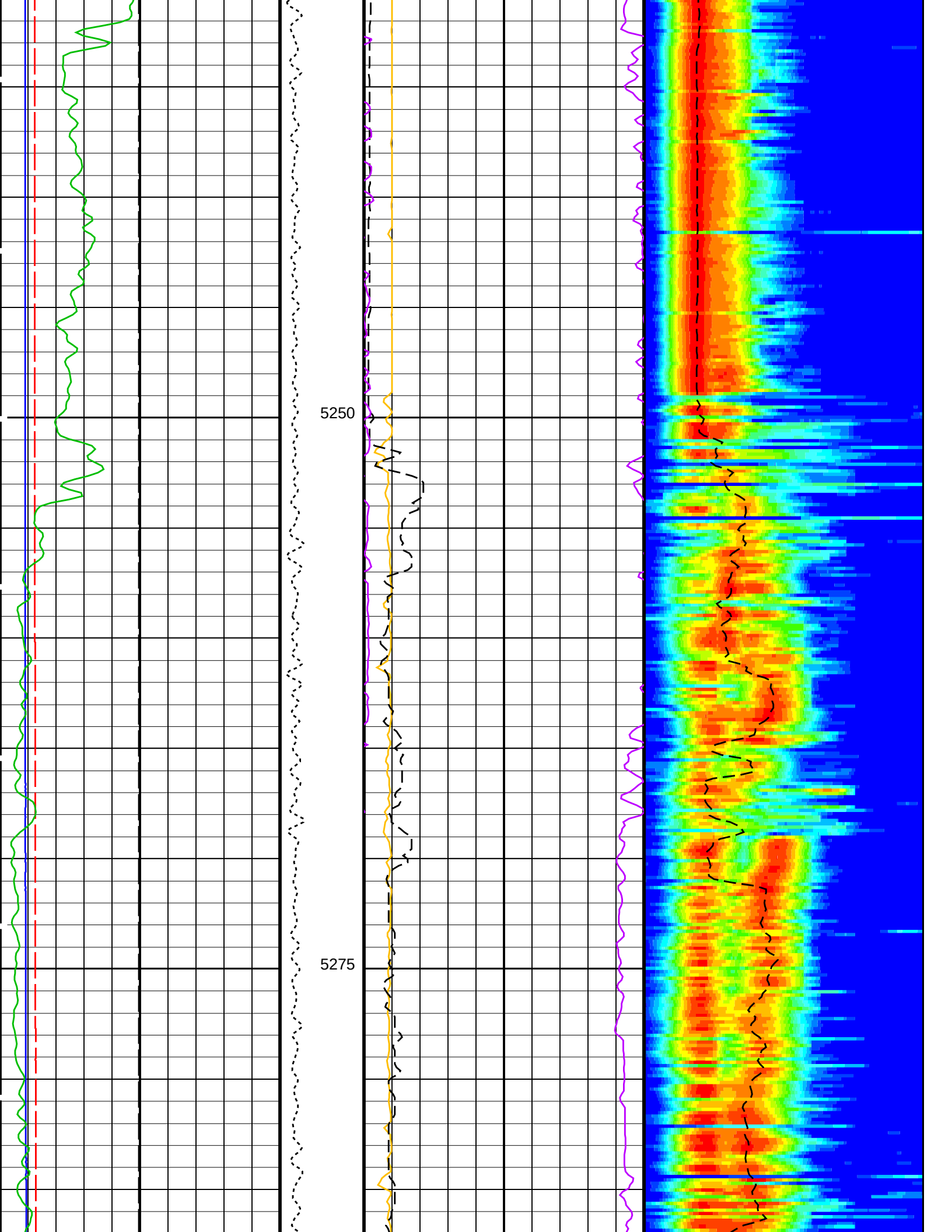
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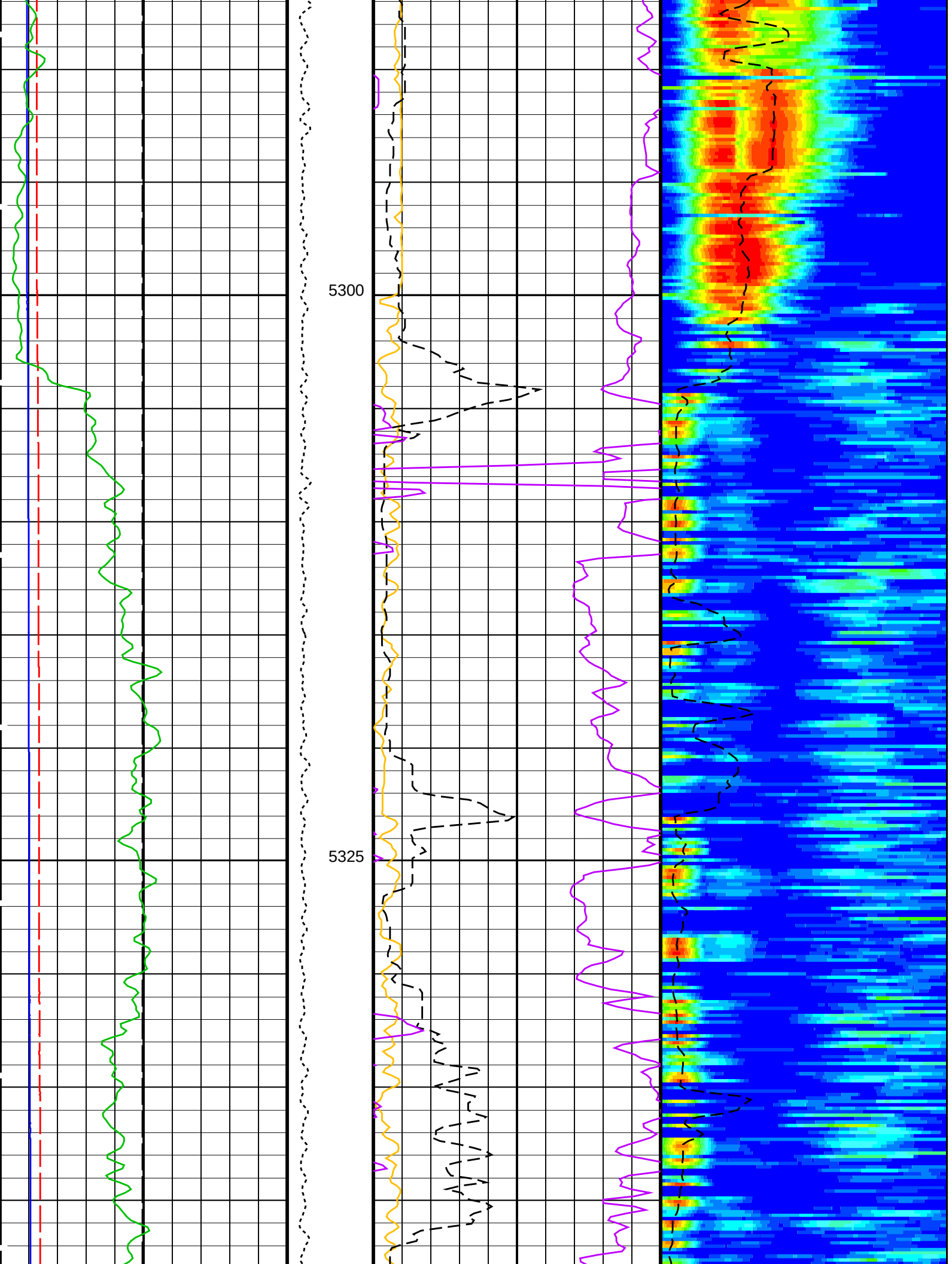
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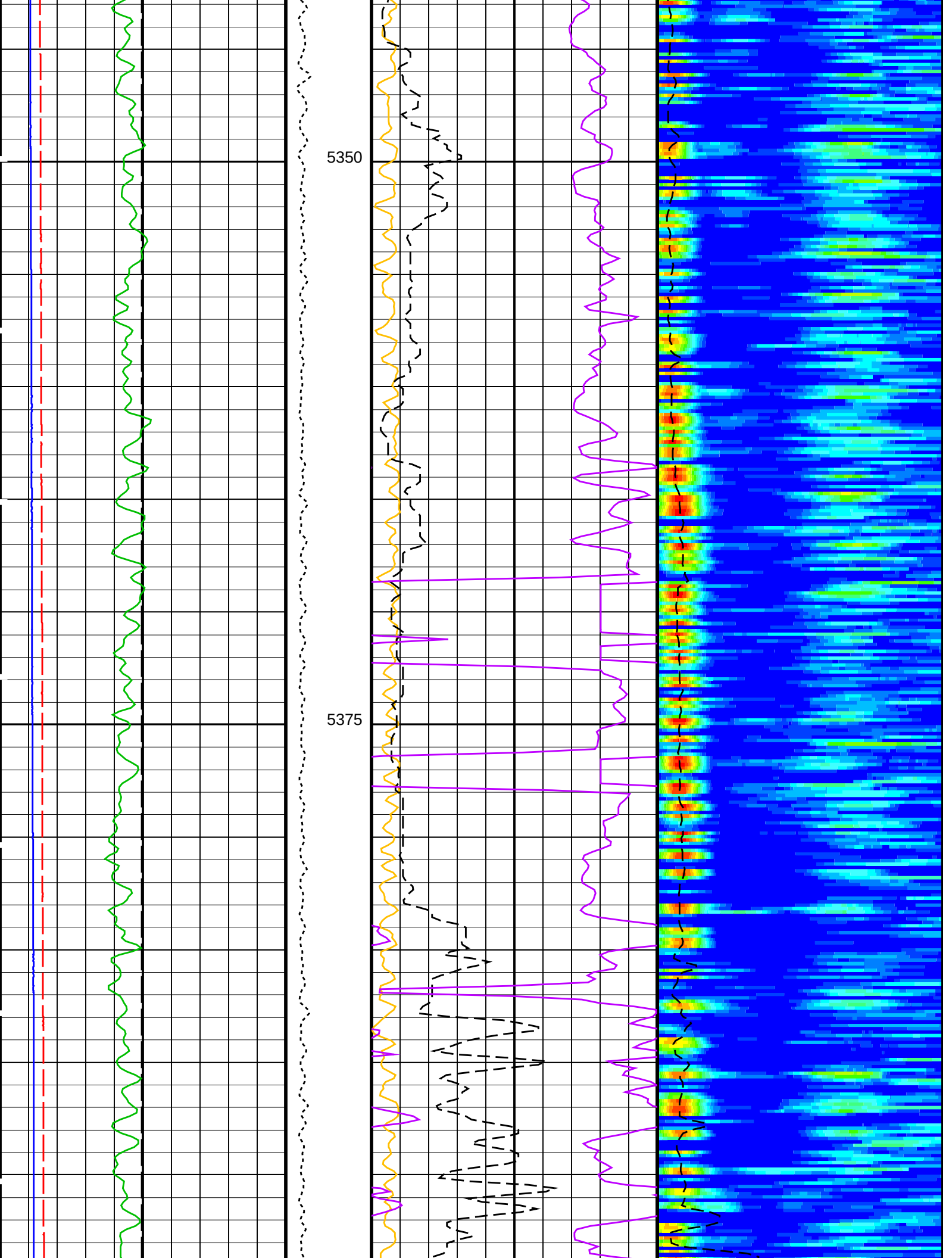
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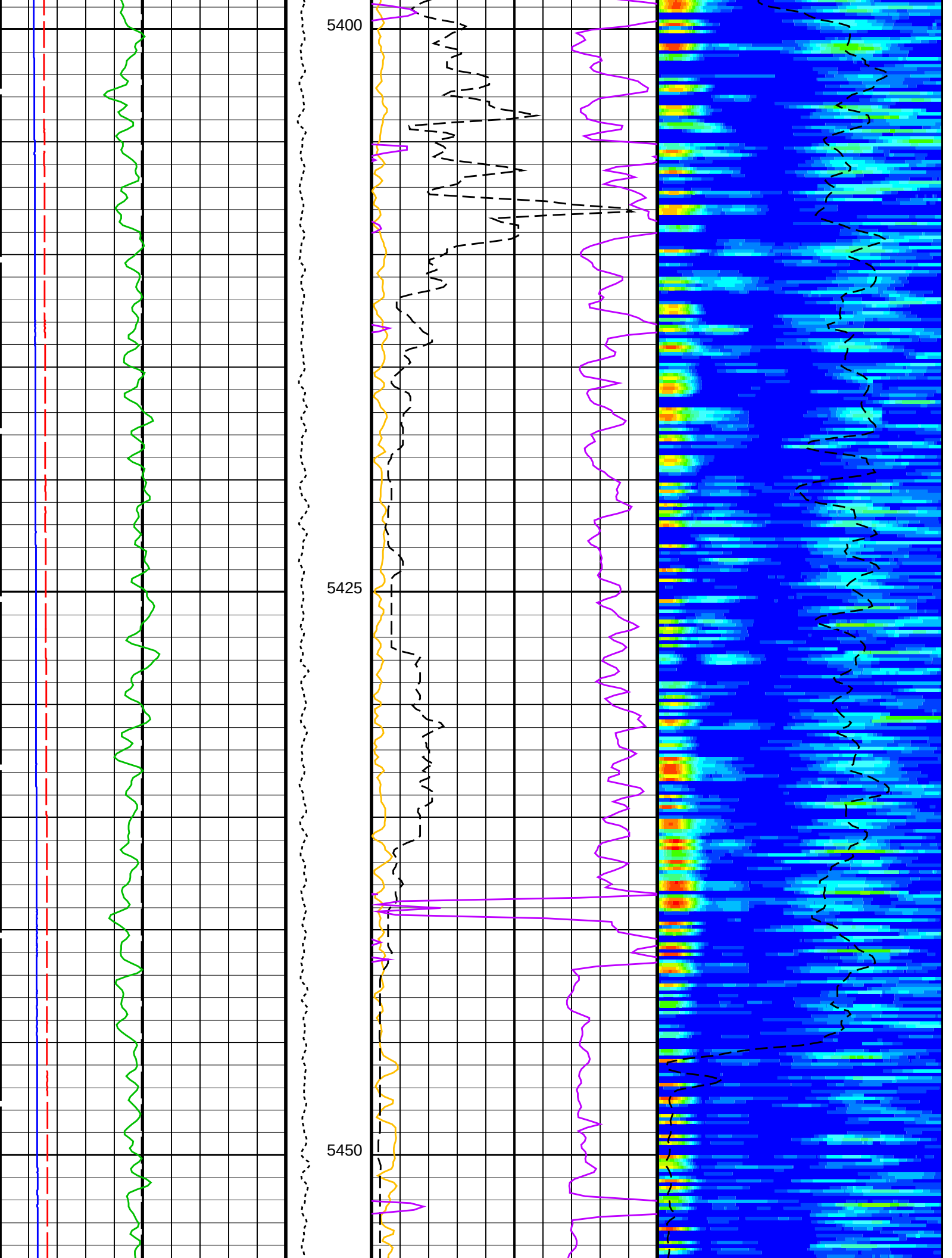
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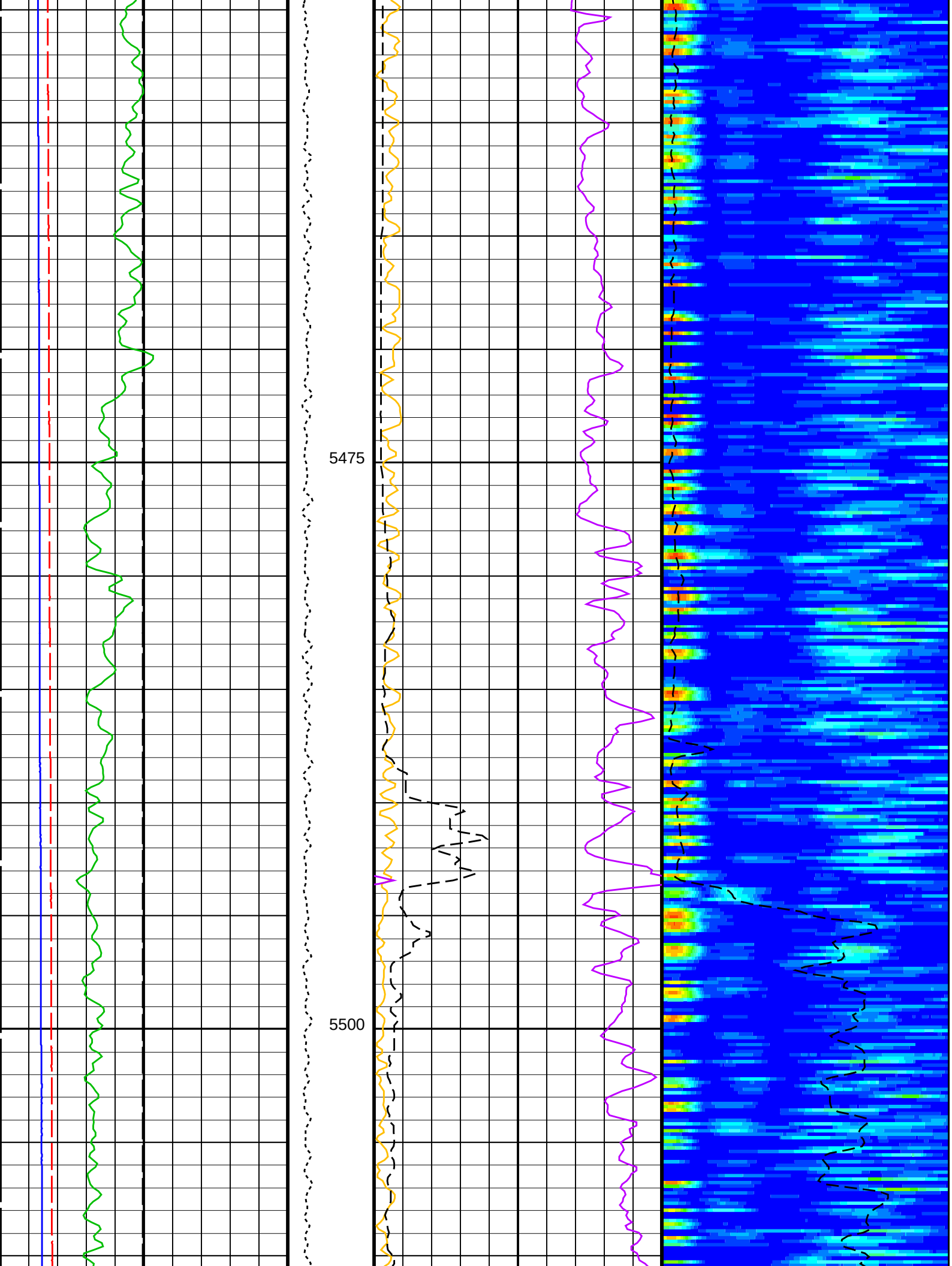
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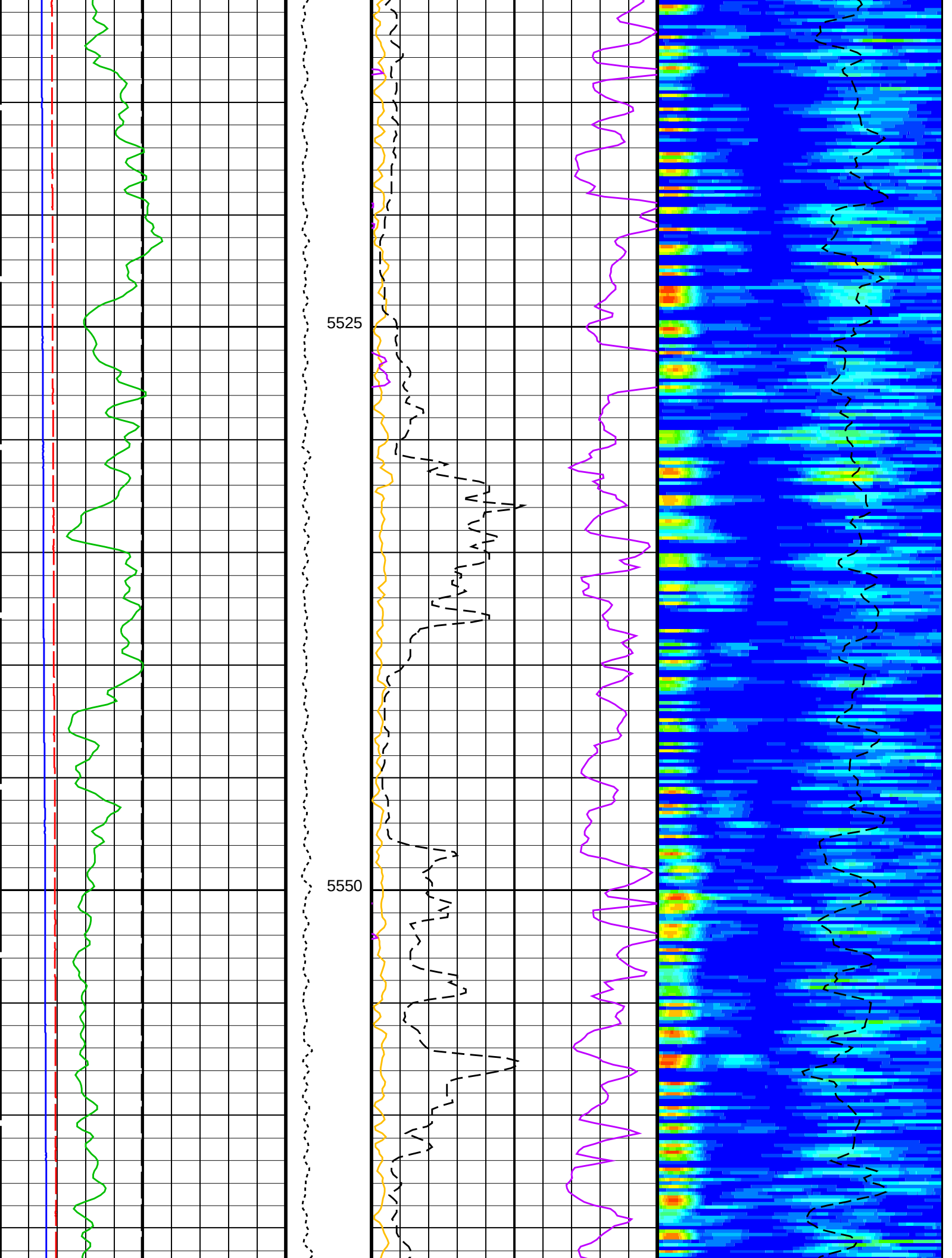
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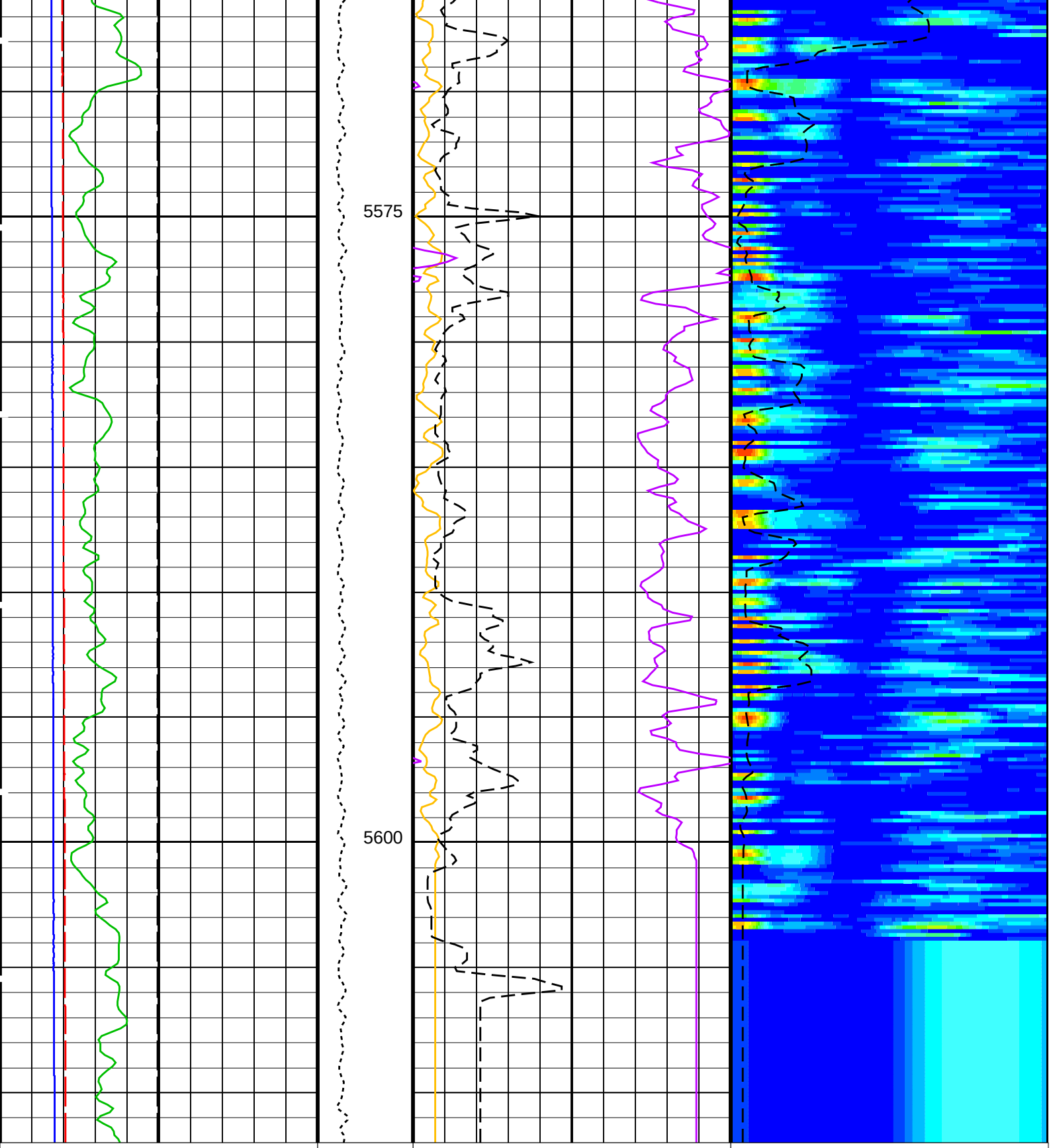


Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − Lower Dipole (CHR1)	Delta−T Shear / RA − Lower Dipole (DT1R)
0 (IN) 20	0 (LBF) 5000	0 (−−−−) 10	75 (US/F) 1200
Caliper 2 (C2)		SAM1 Waveform Gain (WFG1)	Min Amplitude Max Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
0 (IN) 20		0 (−−−−) 1000	75 (US/F) 1200
Caliper 1 (C1)		Sonic Velocity (SVEL)	
0 (IN) 20		1000 (M/S) 6000	

Gamma Ray (GR_EDTC)		
0	(GAPI)	150

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	50	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1000	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	40	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	1400	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	NORMAL	

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06−May−2022 03:08

OP System Version: 19C0−187

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

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_065LUP	PRODUCER	06−May−2022 03:06	5612.0 M	4969.8 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_067PUP	FN:77	PRODUCER	06−May−2022 03:08
RTB	FMS_DSI_NGS_067PUP	FN:78	PRODUCER	06−May−2022 03:08

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_065LUP		PRODUCER	06−May−2022 03:06	5612.0 M	4969.8 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_067PUP	FN:77	PRODUCER	06−May−2022 03:08	5612.0 M	4969.8 M
RTB	FMS_DSI_NGS_067PUP	FN:78	PRODUCER	06−May−2022 03:08	5612.0 M	4969.8 M

OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

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

Gamma Ray (GR_EDTC)
0 (GAPI) 150

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

Caliper 2 (C2)
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

Caliper 1 (C1)
0 (IN) 20

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

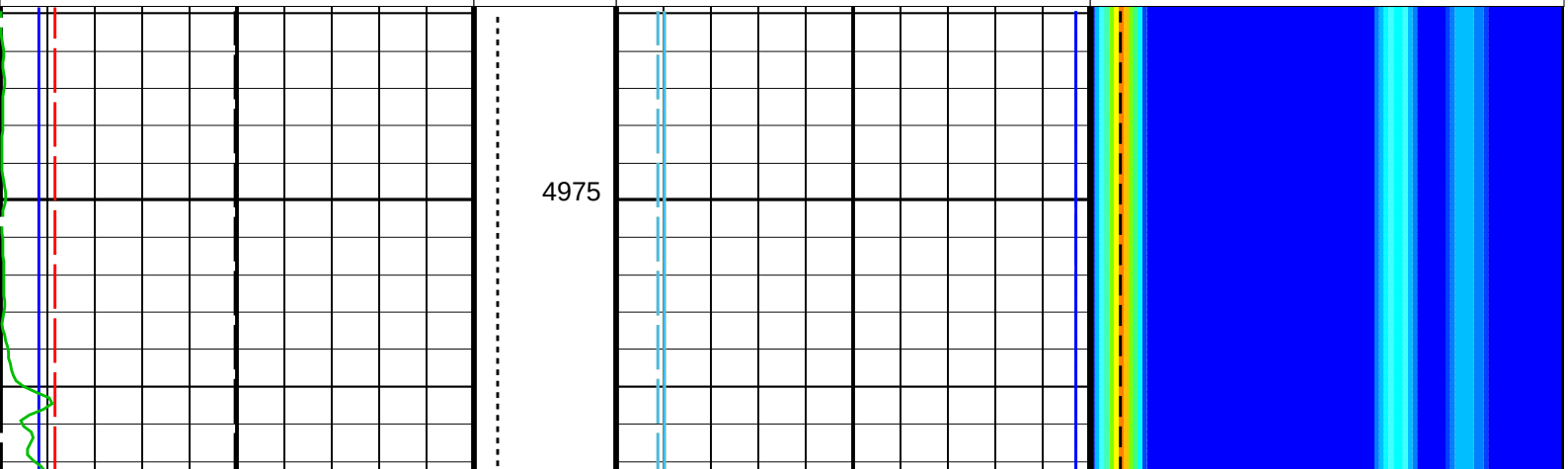
Delta−T Shear / RA − P & S (DTRS)
40 (US/F) 240

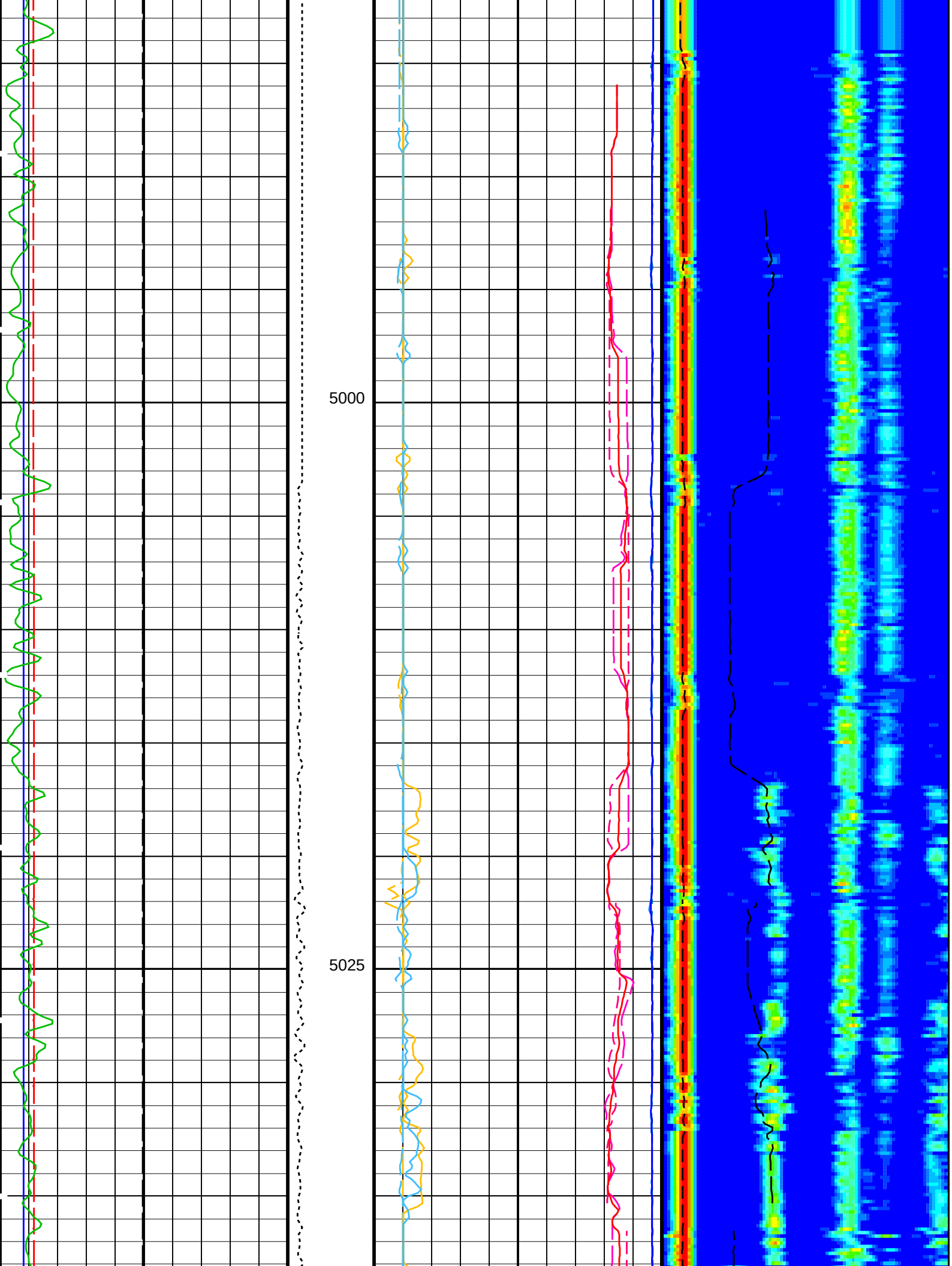
Bit Size (BS)
0 (IN) 20

Tension (TENS) (LBF)
0 5000

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

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

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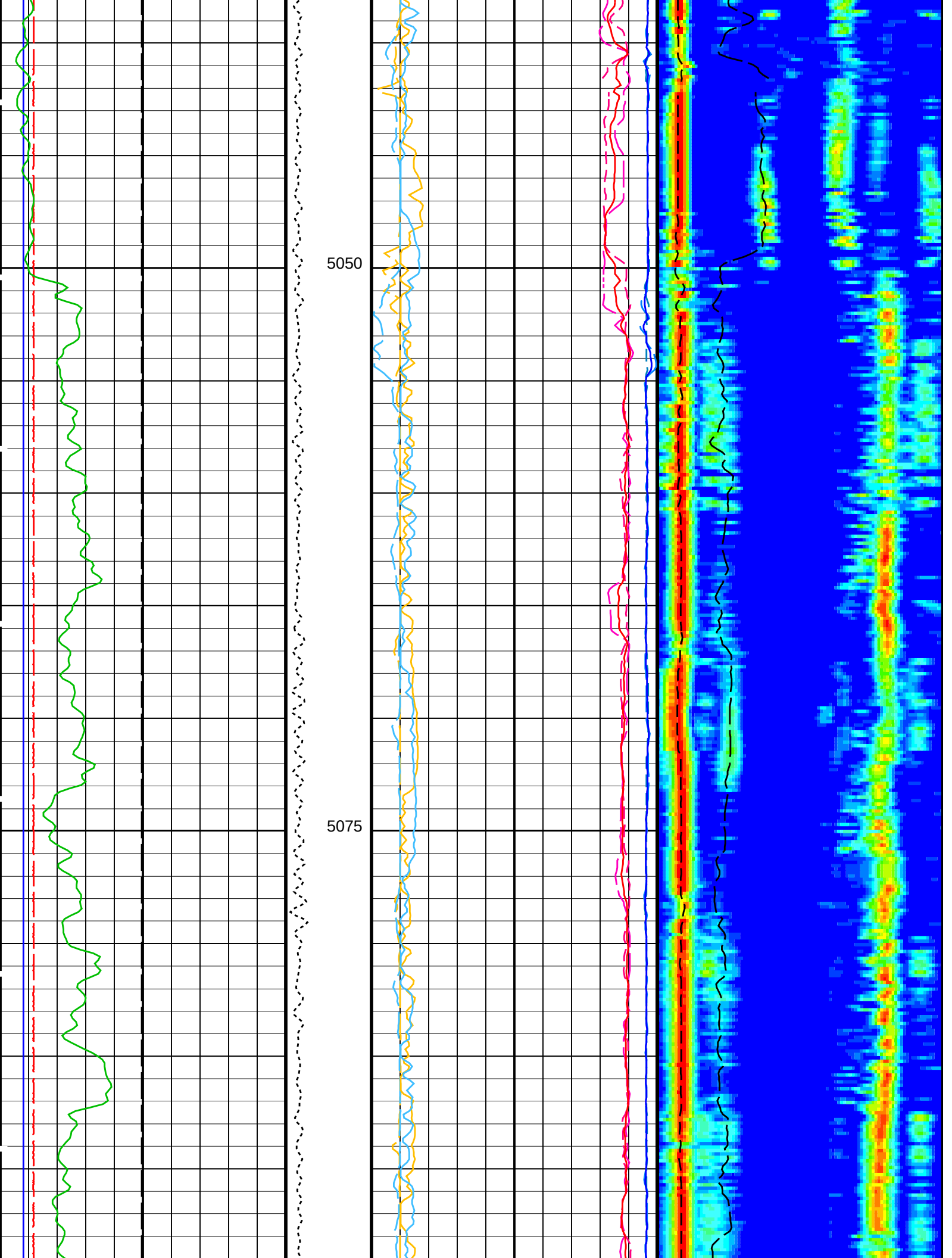
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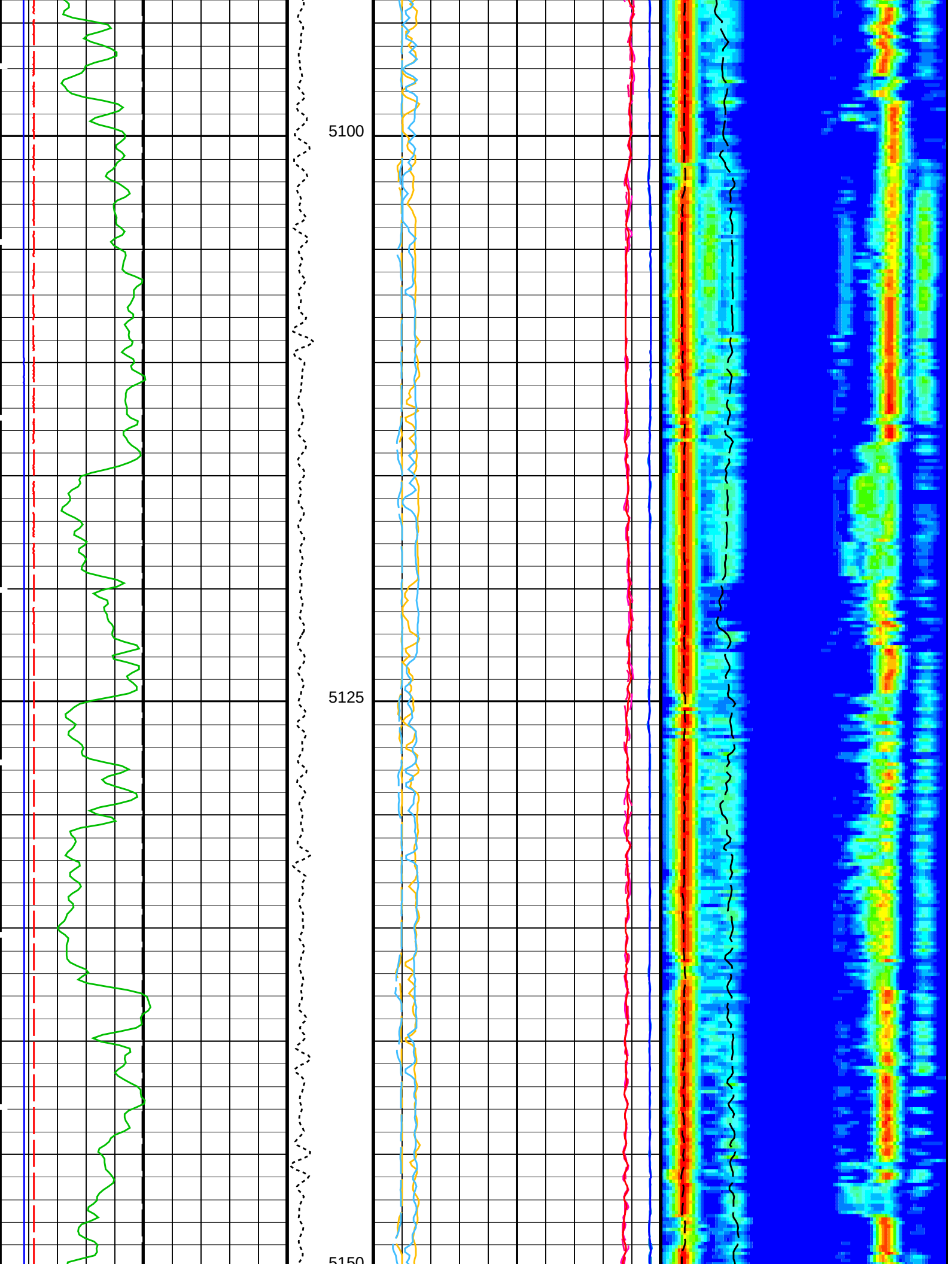
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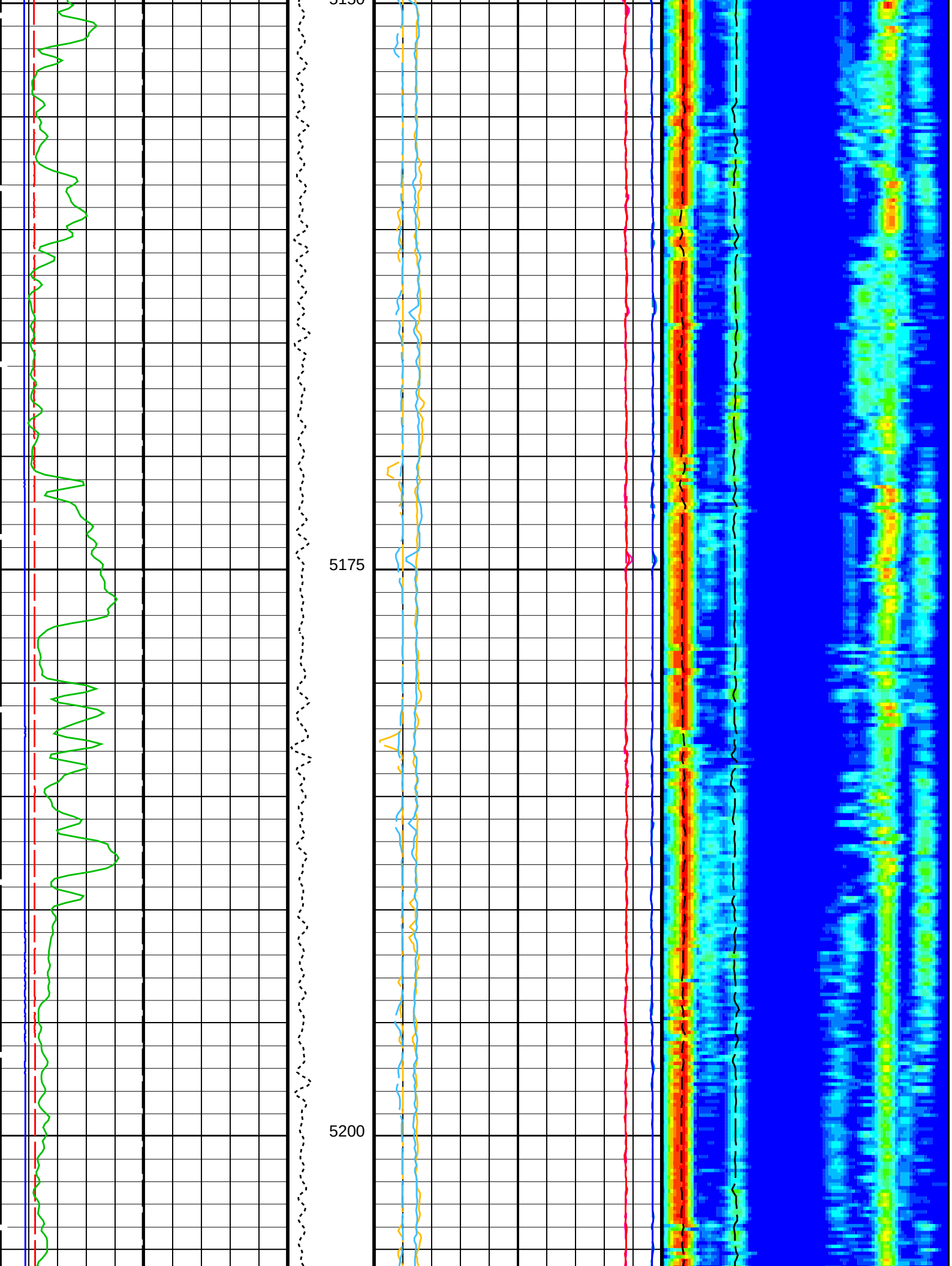
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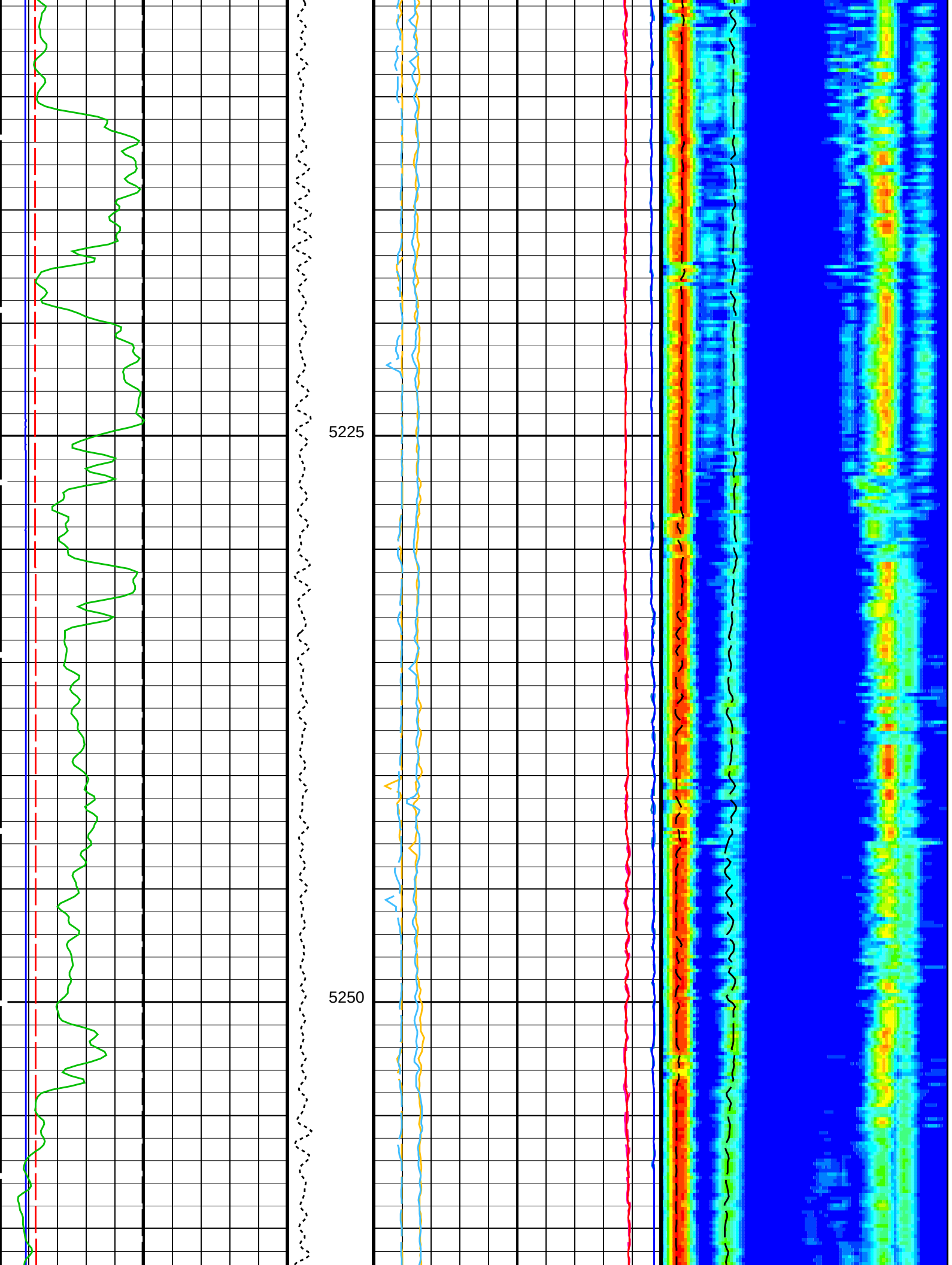
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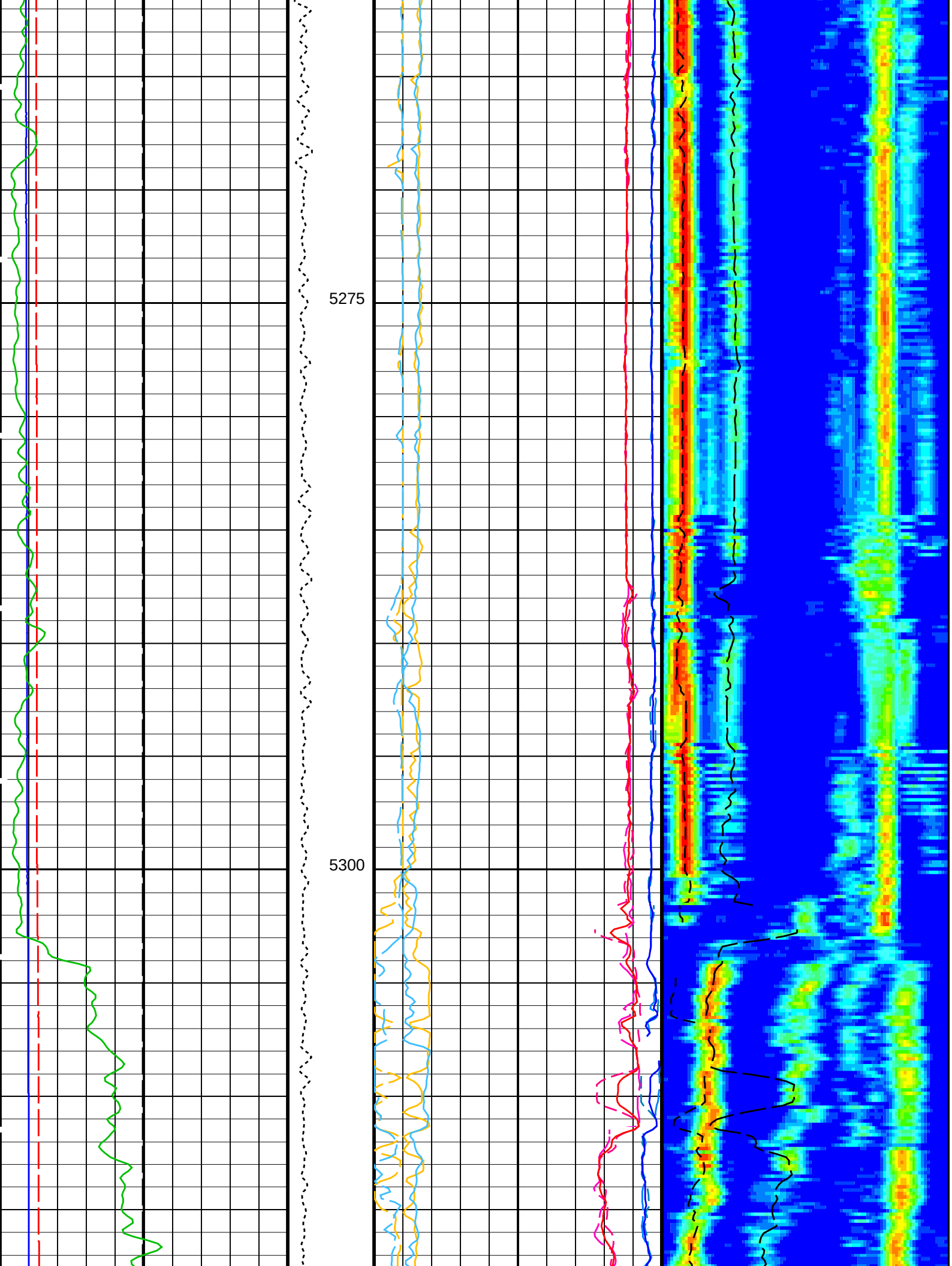
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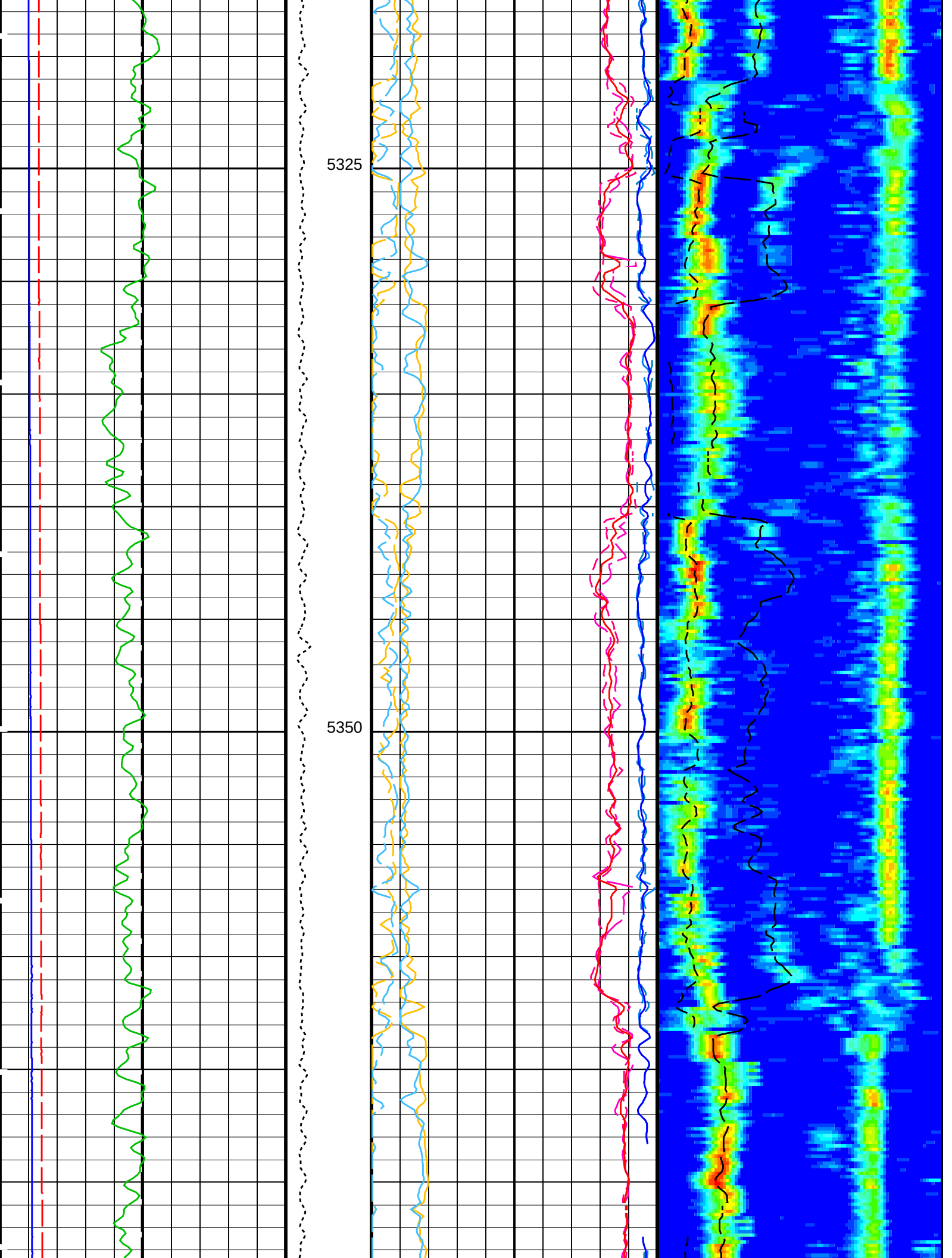
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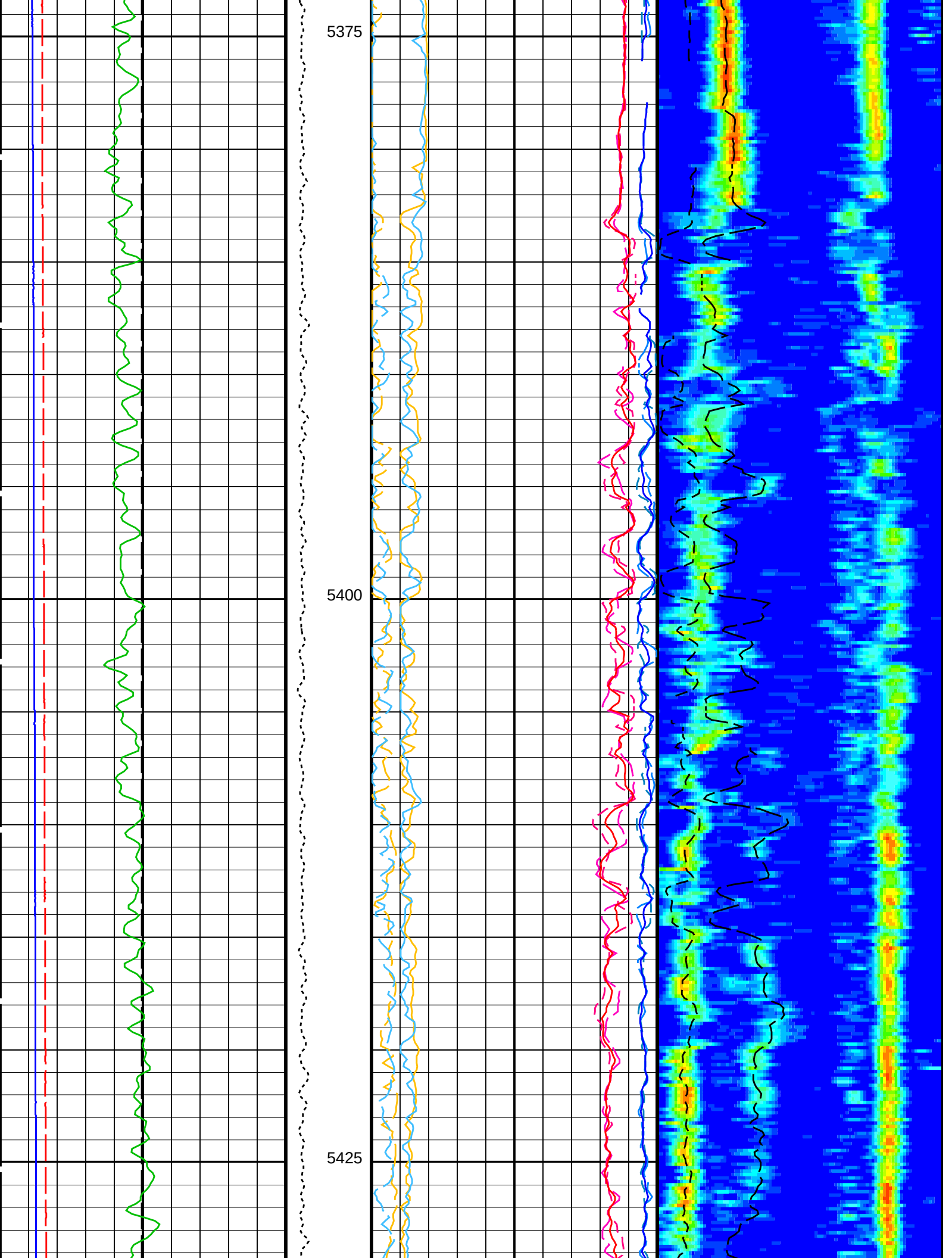
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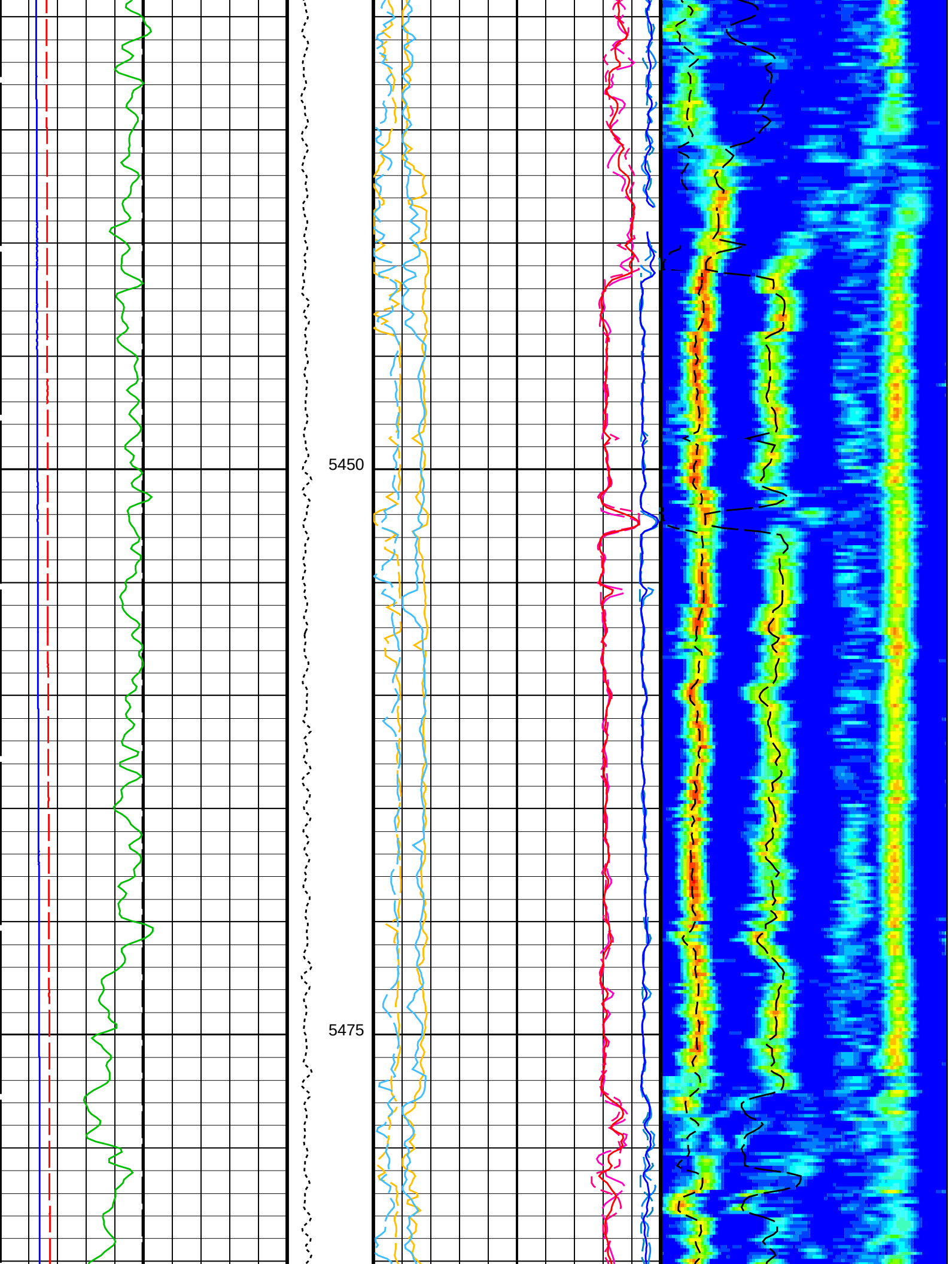
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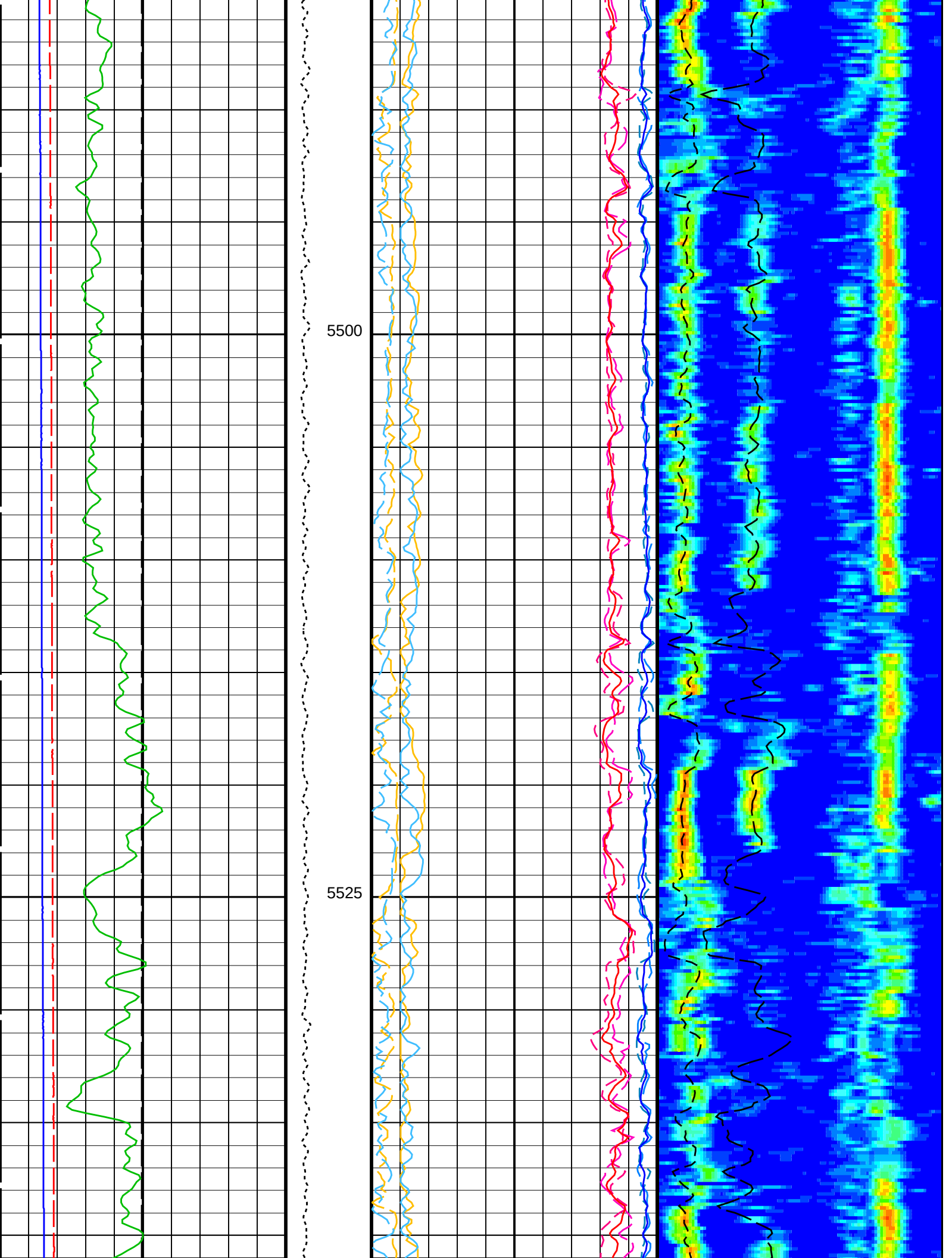
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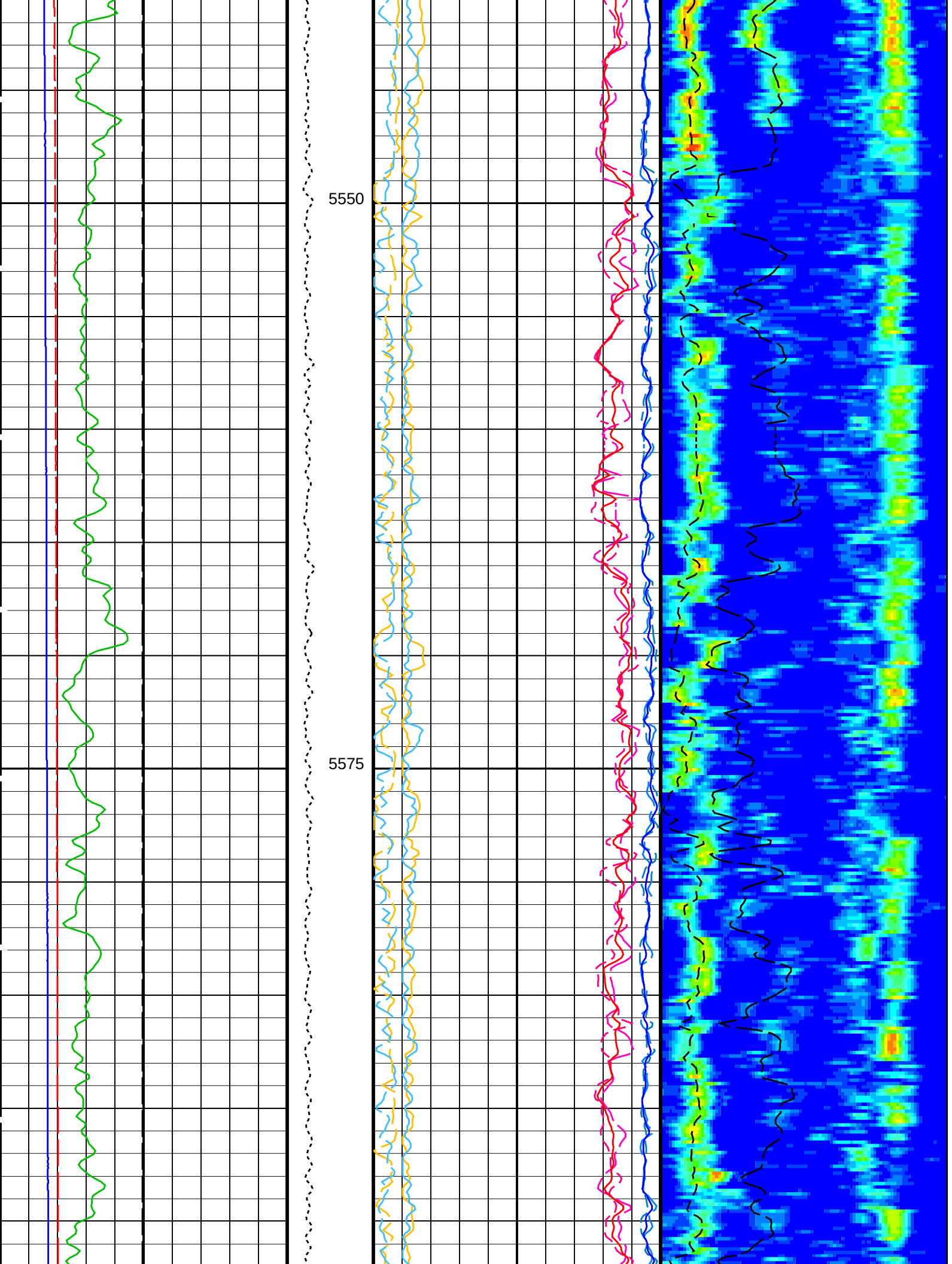
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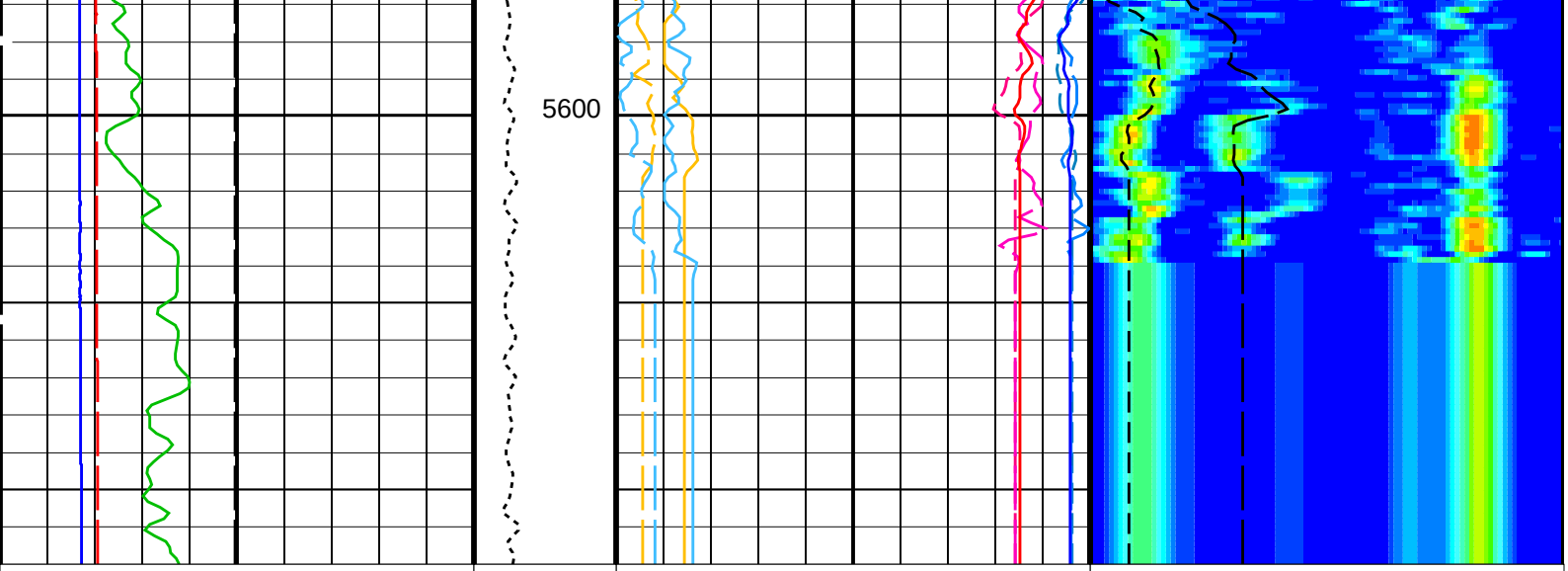


Bit Size (BS)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

Caliper 2 (C2)
0 (IN) 20

Gamma Ray (GR_EDTC)
0 (GAPI) 150

Tension (TENS) (LBF)
0 5000

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

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

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

Peak Coherence / TA − P & S Shear (CHTS)
−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 Shear / TA − P & S (DTTS)
440 (US/F) 40

Delta−T Shear − P & S (DT4S)
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	40	US/F
COUL	Label Slowness Upper Limit − Monopole P&S Compressional	70	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	212	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	70	US/F
SHUL	Label Slowness Upper Limit − Monopole P&S Shear	140	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	180	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	780	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	
	HNGS−BA: Hostile Natural Gamma Ray Sonde		
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	NORMAL	

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06−May−2022 03:08

OP System Version: 19C0−187

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

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_065LUP	PRODUCER	06−May−2022 03:06	5612.0 M	4969.8 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_067PUP	FN:77	PRODUCER	06−May−2022 03:08	
RTB	FMS_DSI_NGS_067PUP	FN:78	PRODUCER	06−May−2022 03:08	

Company: International Ocean Discovery Program Well: Expedition 390, Site U1556B

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_065LUP	PRODUCER	06−May−2022 03:06	5612.0 M	4969.8 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_067PUP	FN:77	PRODUCER	06−May−2022 03:08	5612.0 M	4969.8 M

RTB	FMS_DSI_NGS_067PUP	FN:78	PRODUCER	06−May−2022 03:08	5612.0 M	4969.8 M

OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

Gamma Ray (GR_EDTC)
0 (GAPI) 150

Caliper 2 (C2)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

Bit Size (BS)
0 (IN) 20

Tension (TENS)
(LBF)
0 5000

Delta−T Stoneley (DTST)
440 (US/F) 40

Delta−T Stoneley / TA (DT3T)
440 (US/F) 40

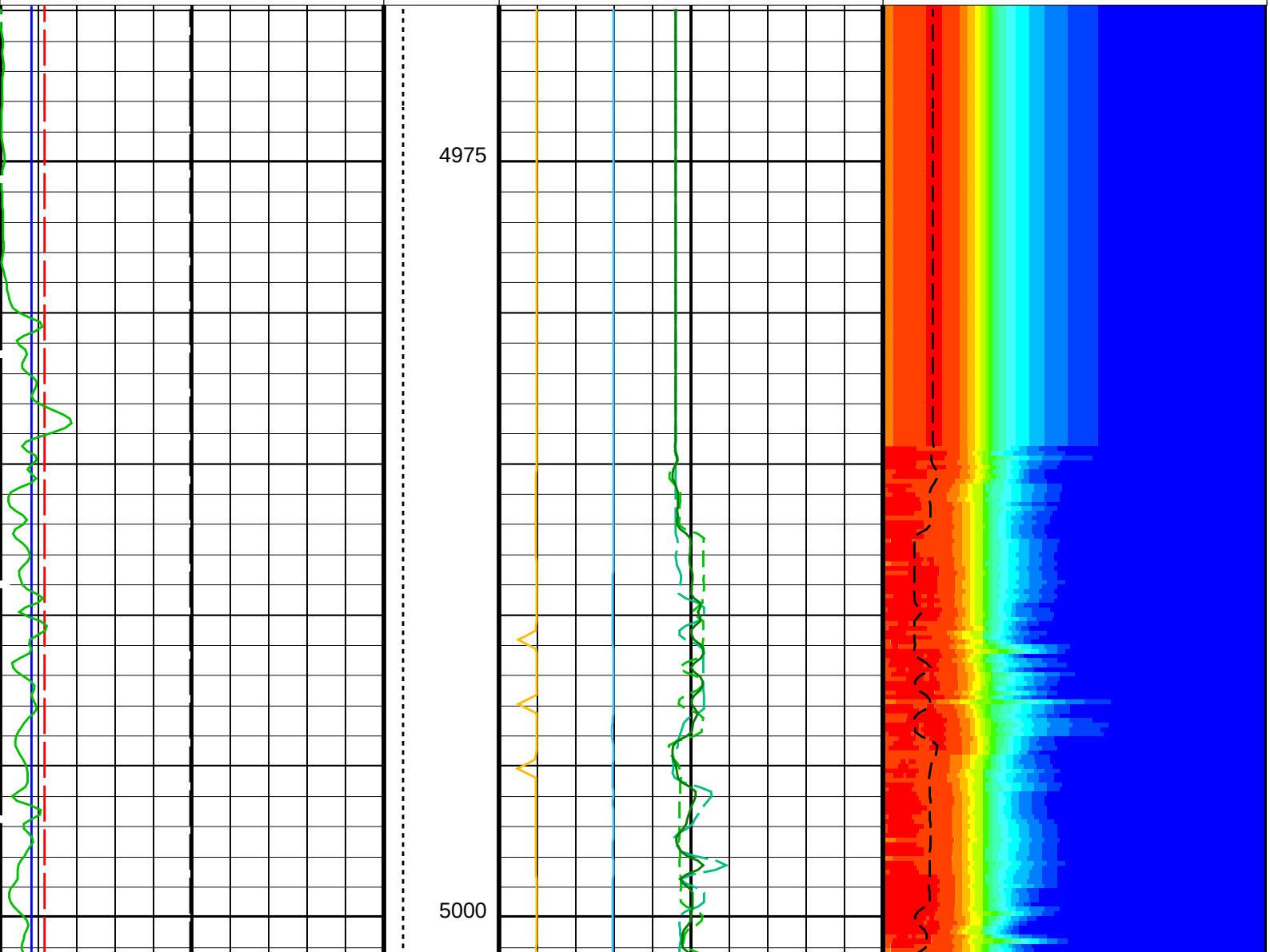
Delta−T Stoneley / RA (DT3R)
440 (US/F) 40

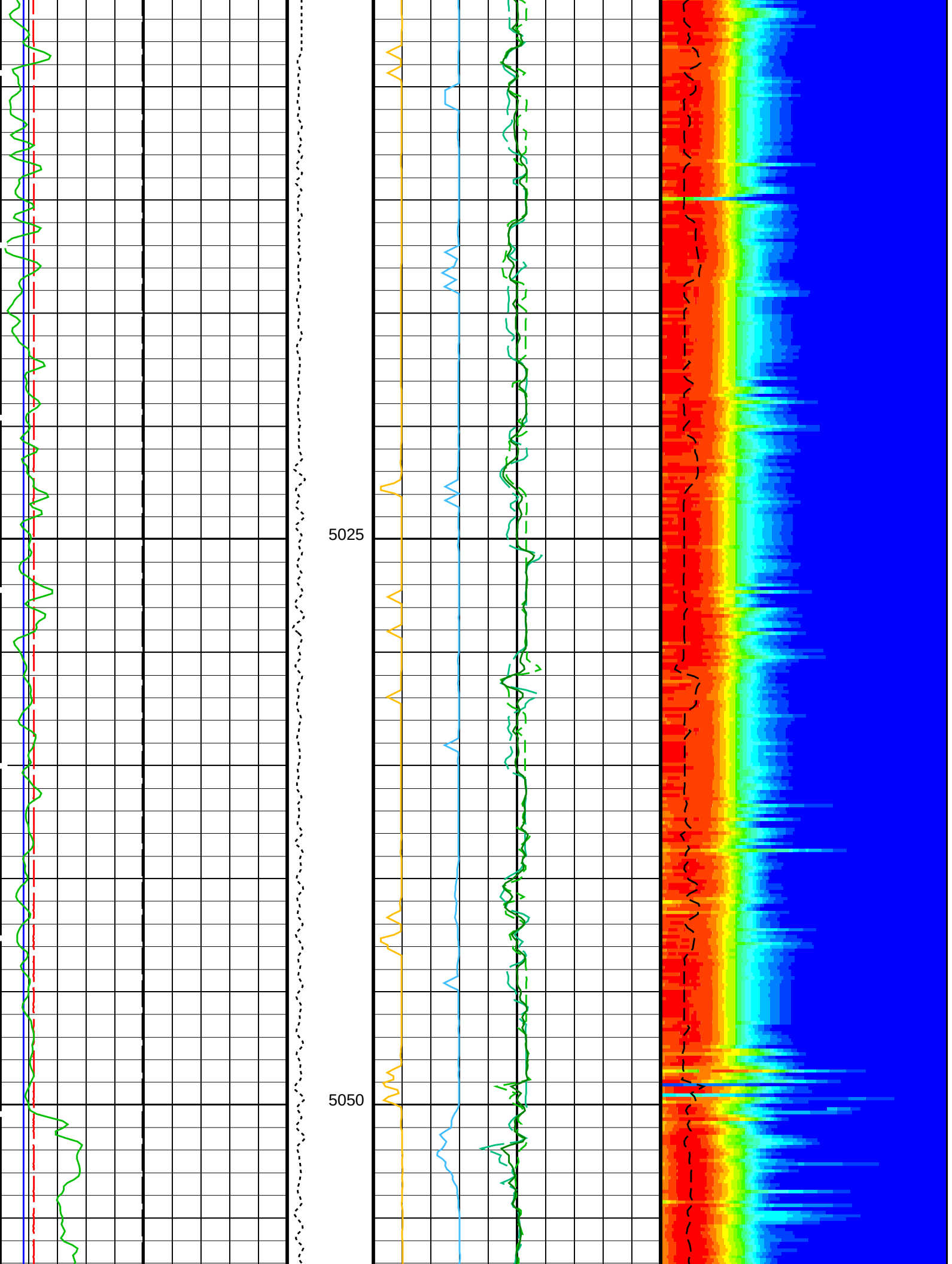
Peak Coherence / TA − Stoneley (CHT3)
−2 (−−−−) 8

Peak Coherence / RA − Stoneley (CHR3)
0 (−−−−) 10

Min Amplitude Max
Rec.Array Stoneley Slow Proj. CVDL (SPR3)
180 (US/F) 780

Delta−T Stoneley / RA (DT3R)
180 (US/F) 780

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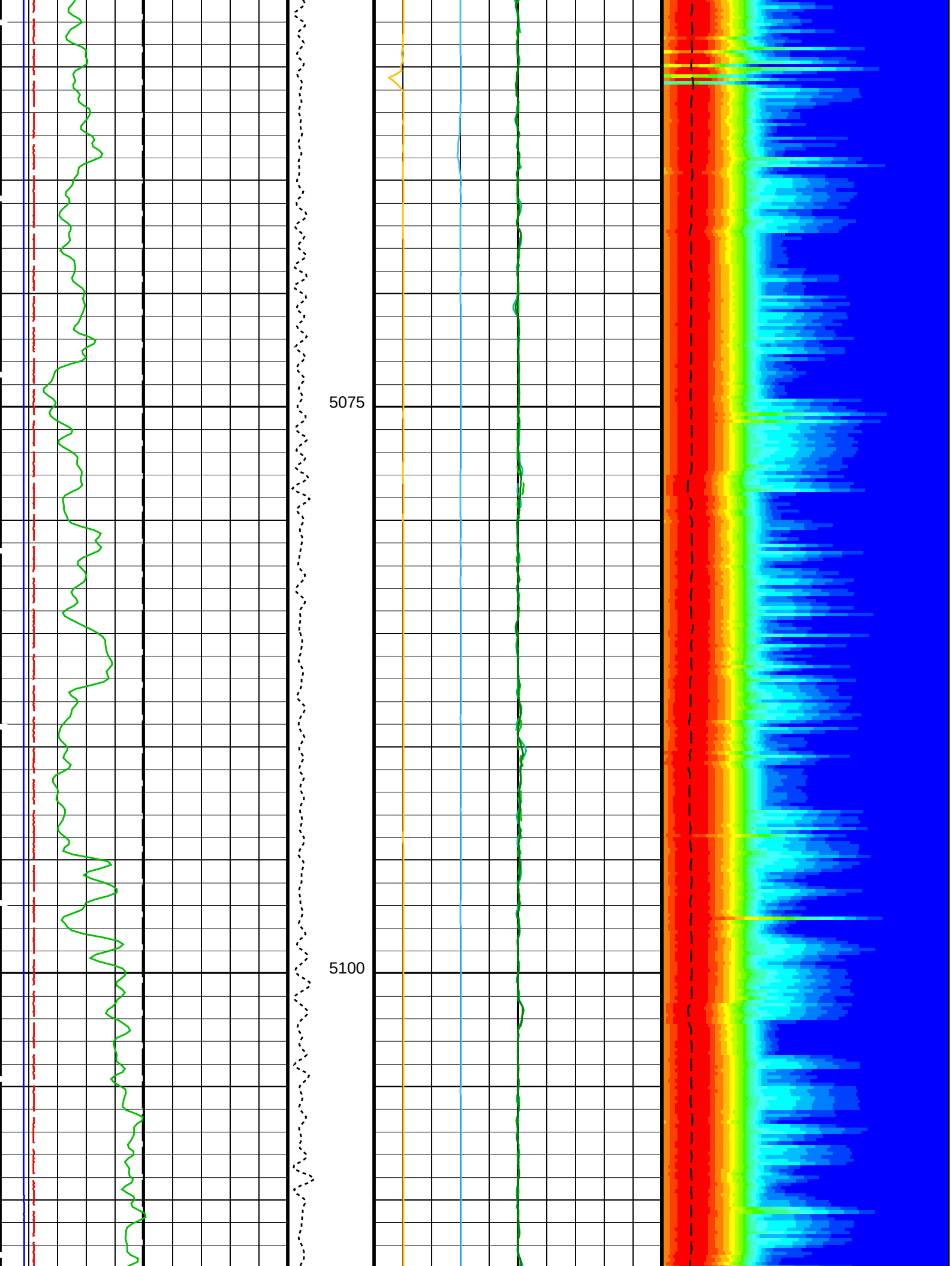
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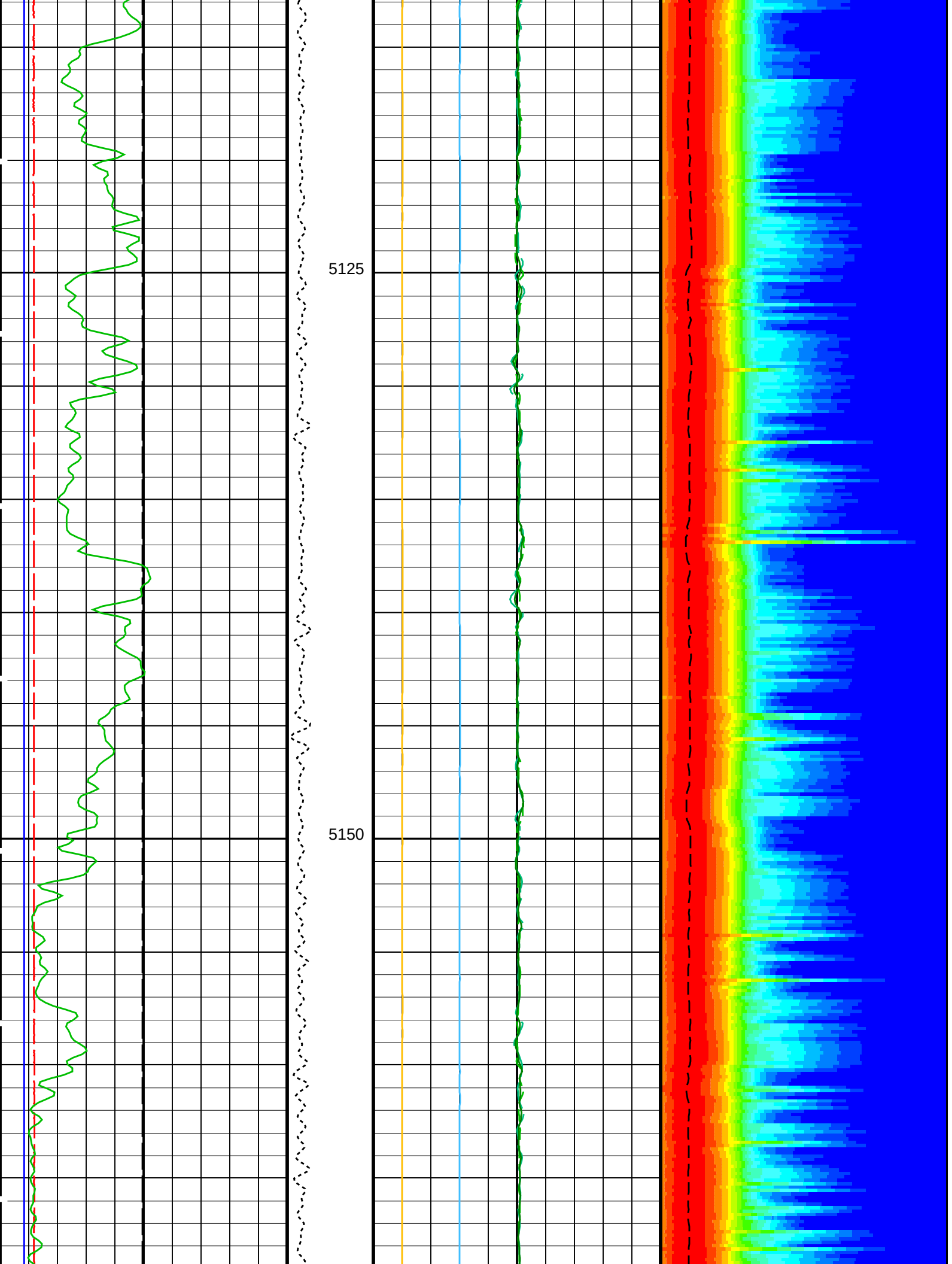
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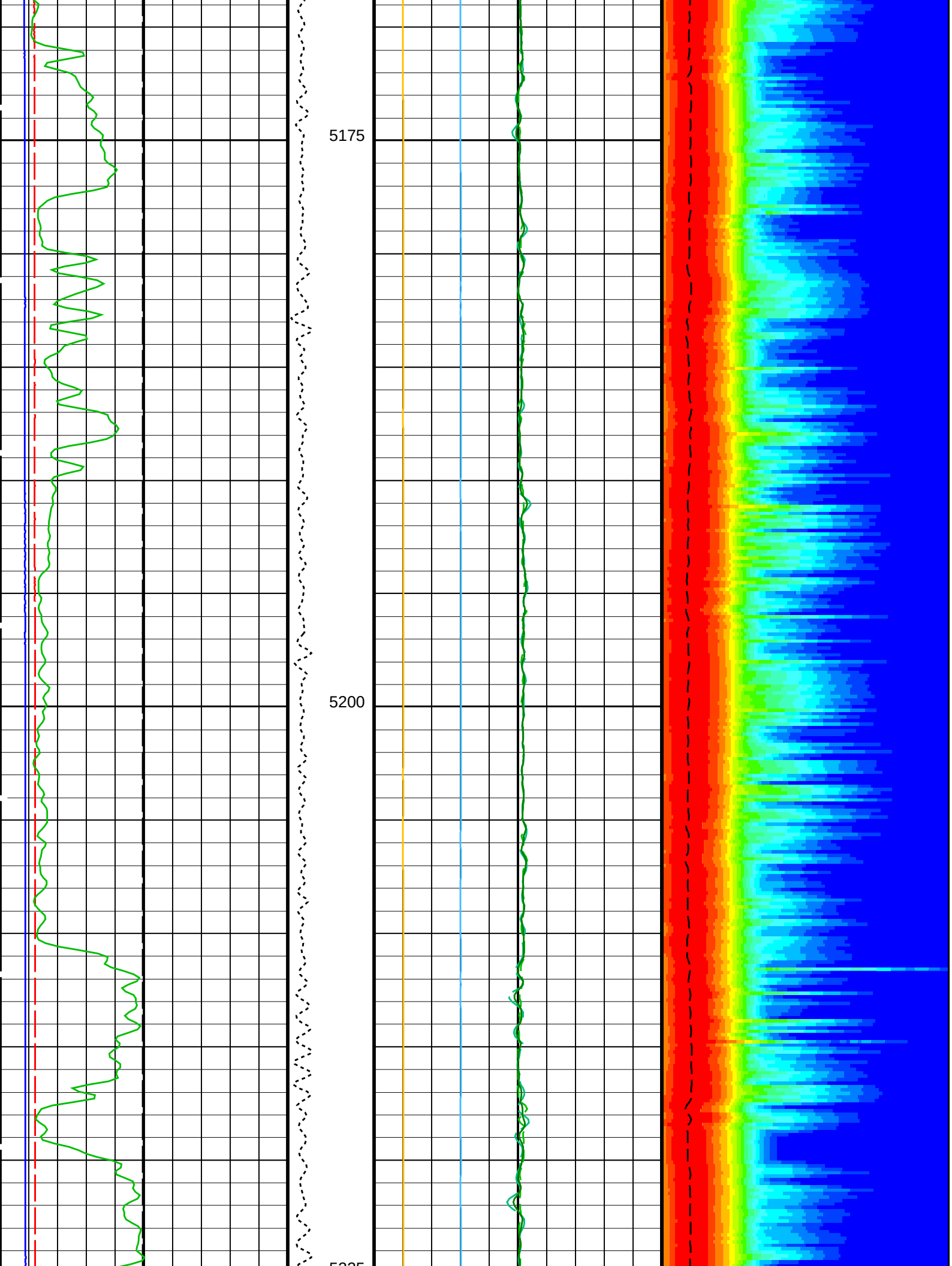
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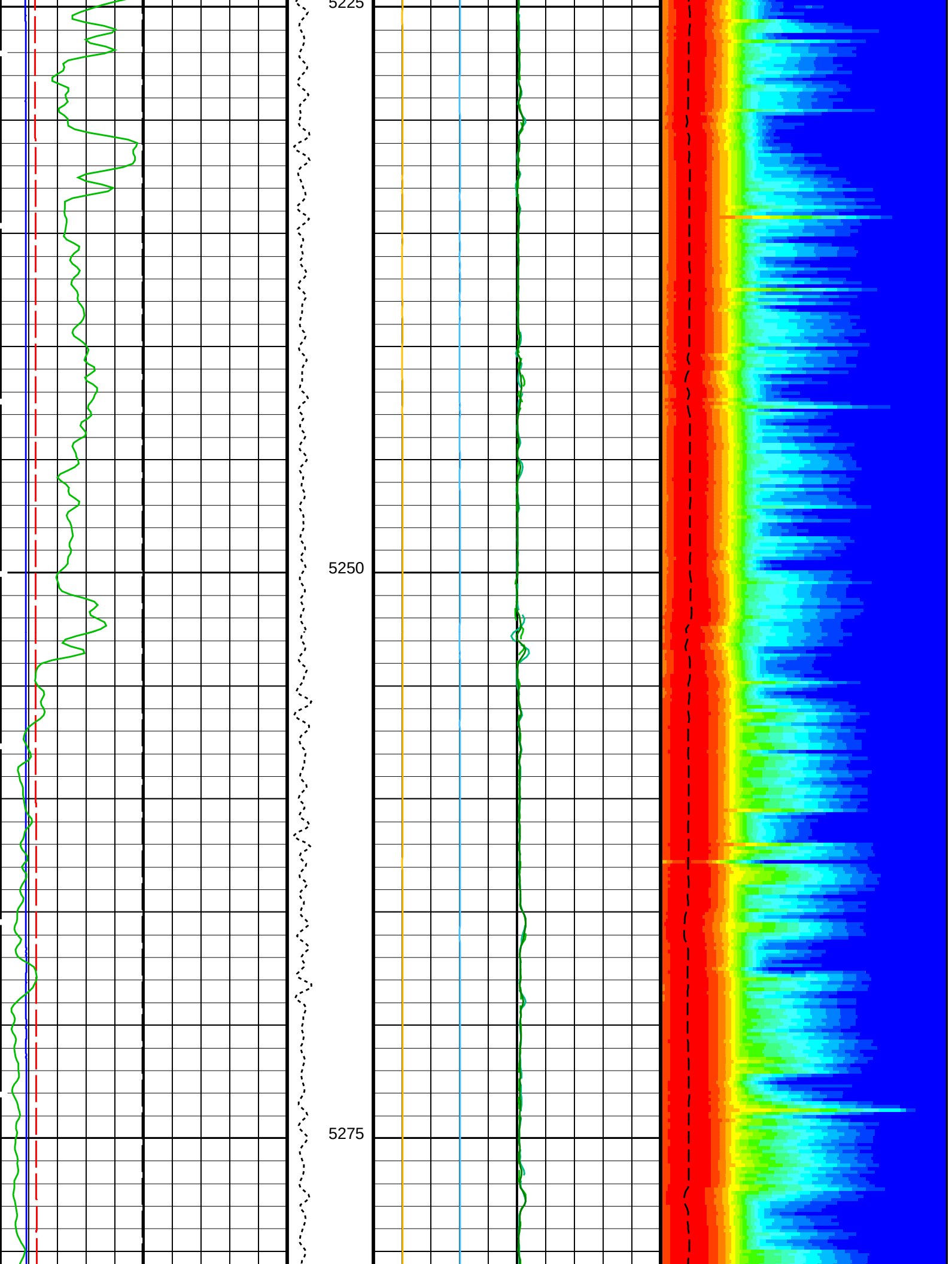
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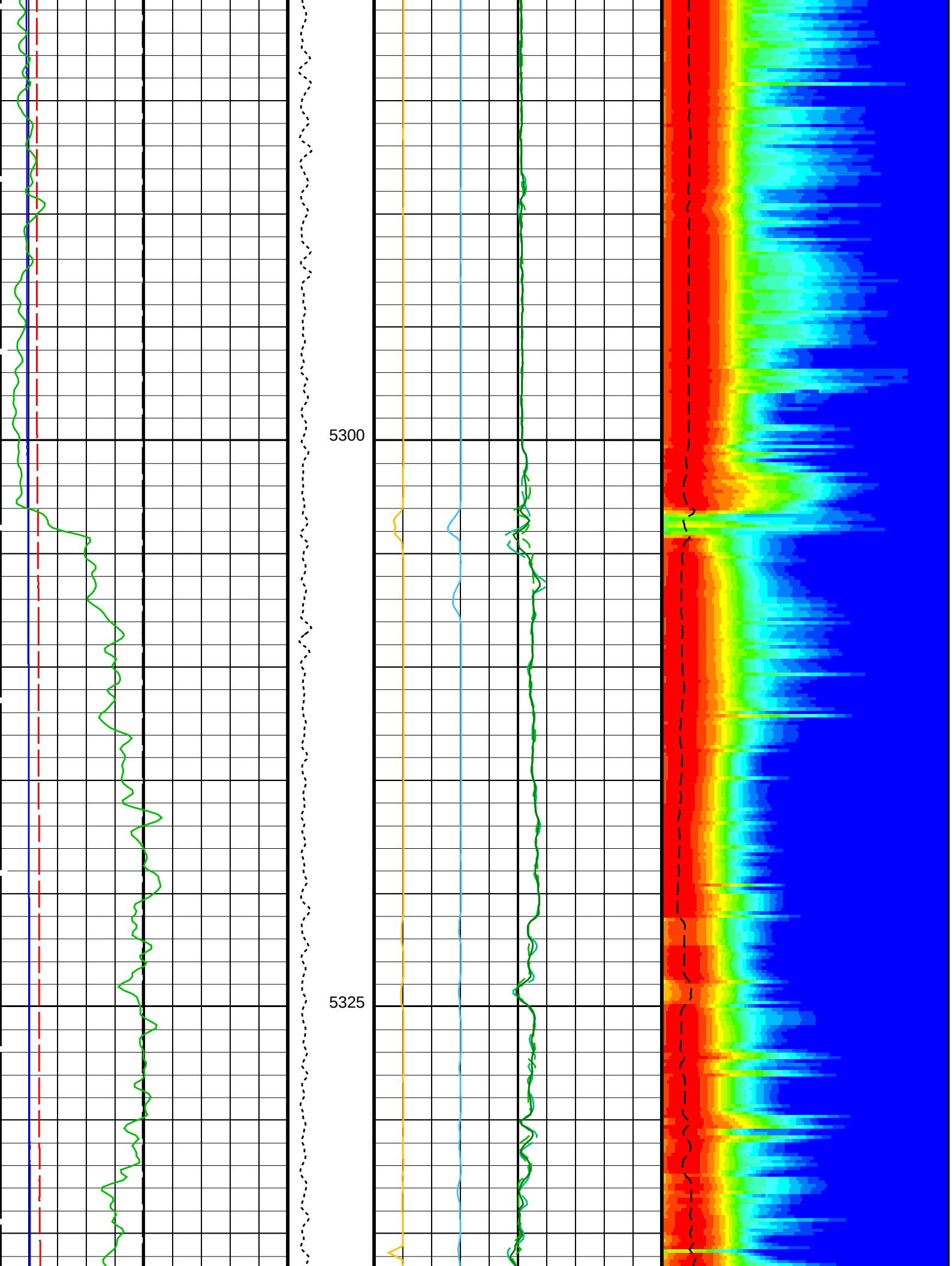
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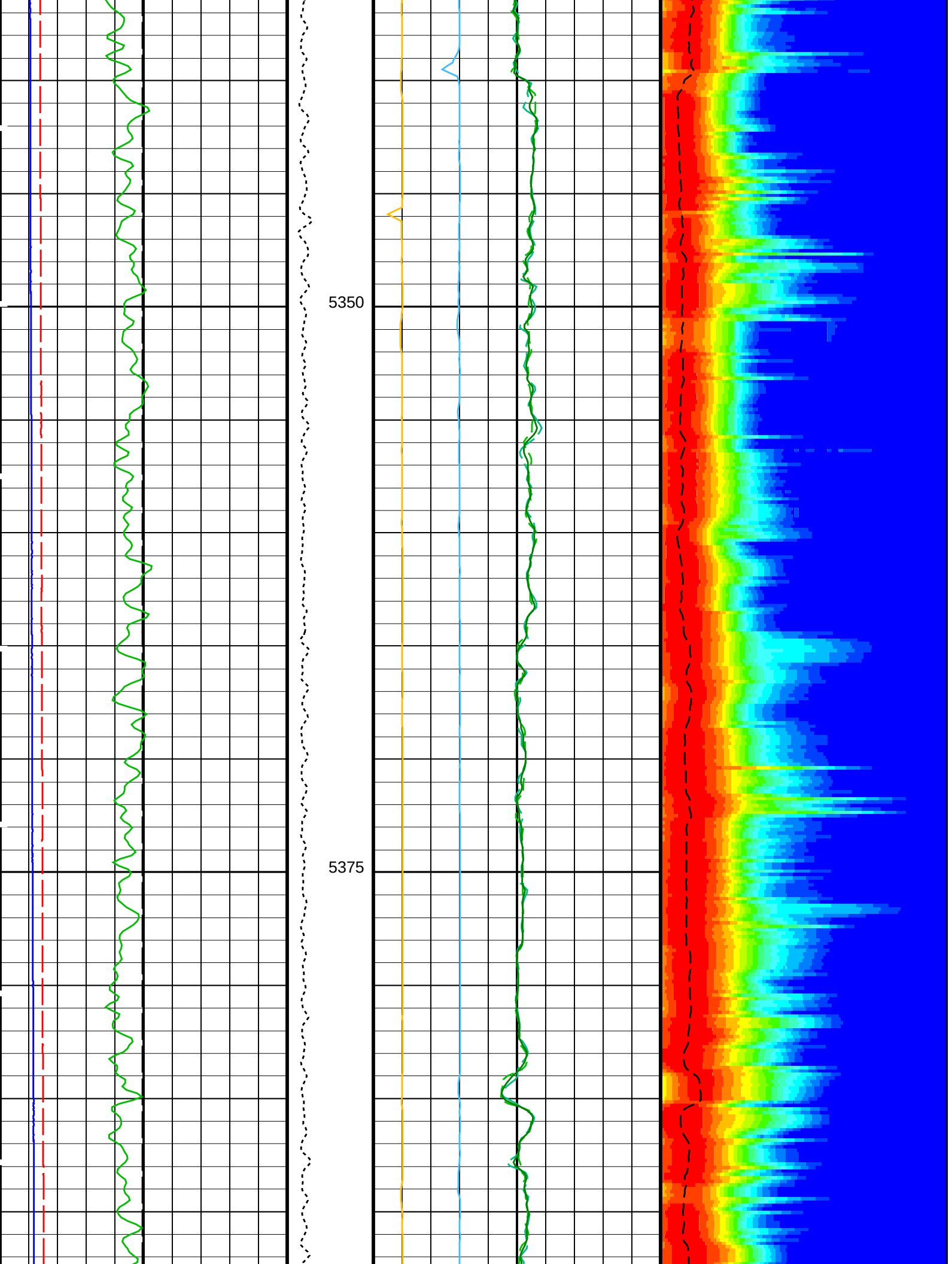
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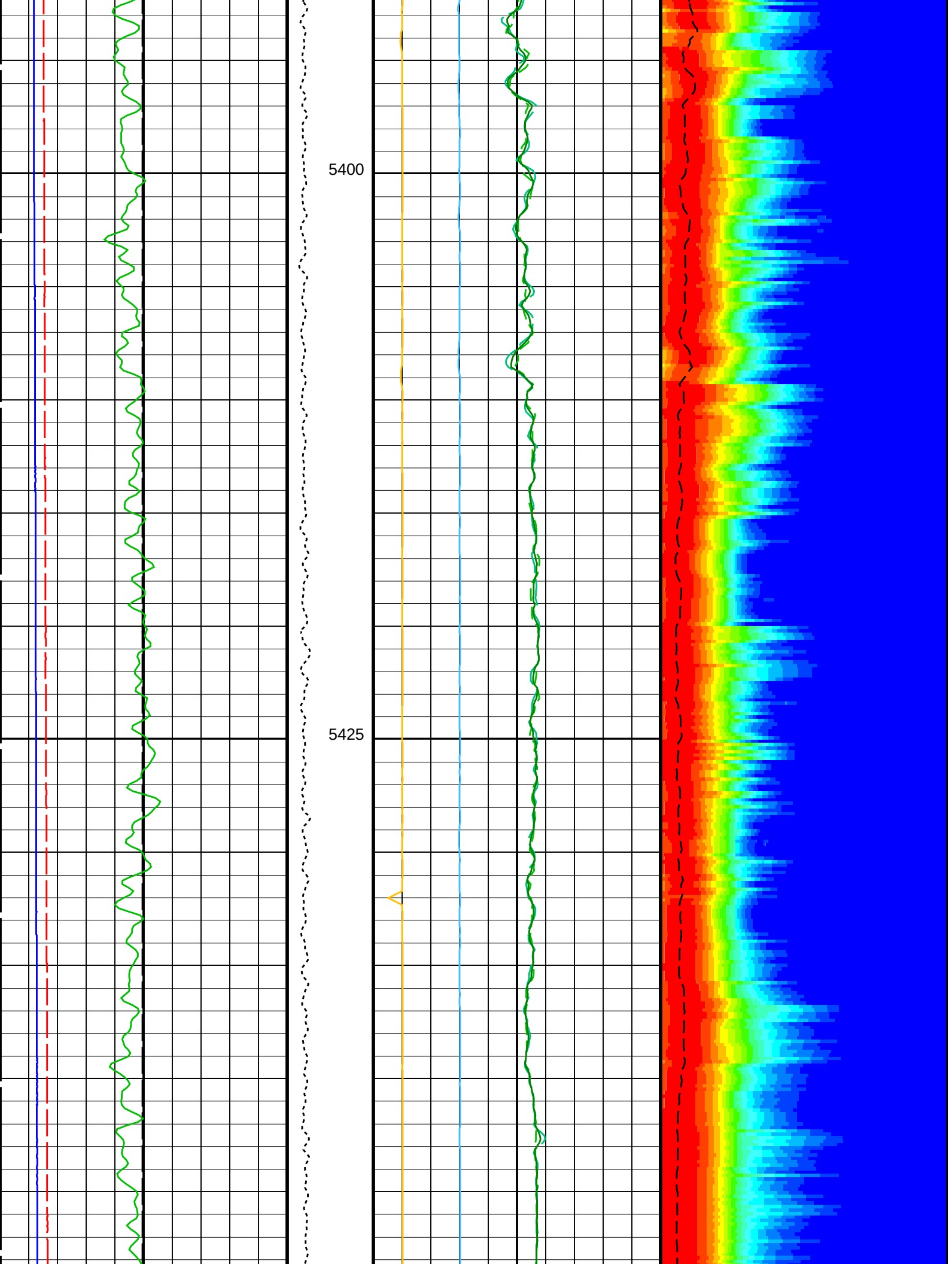
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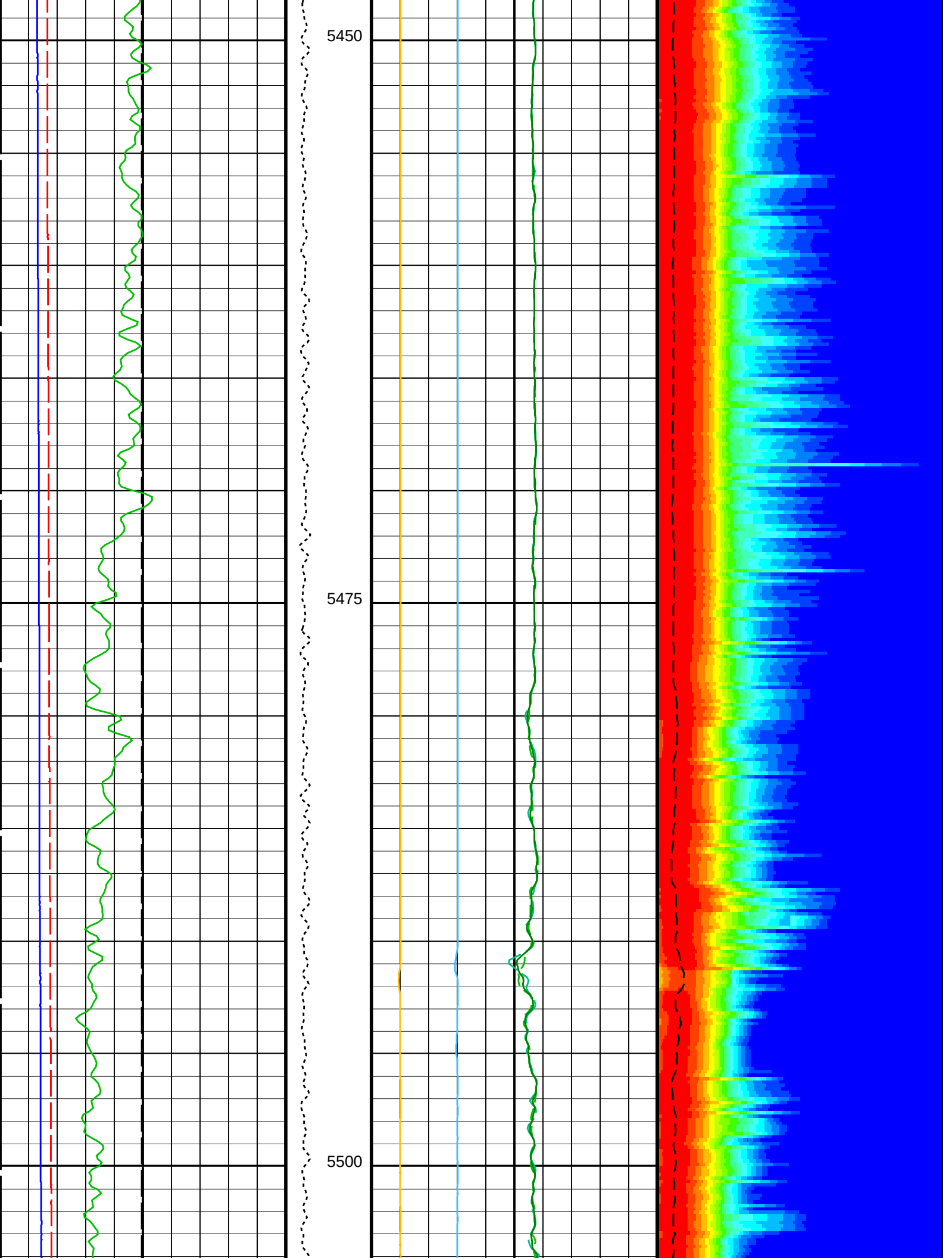
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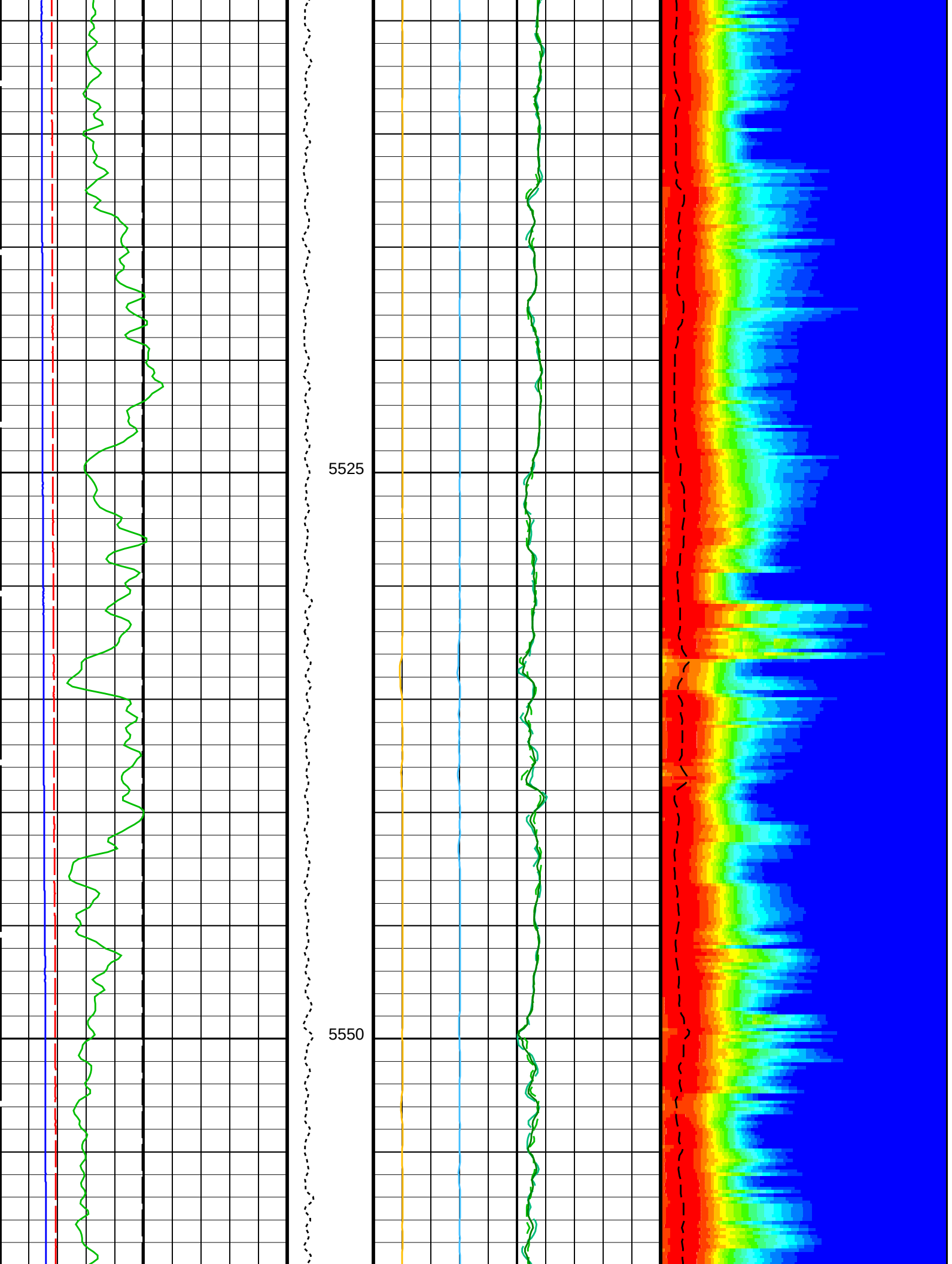
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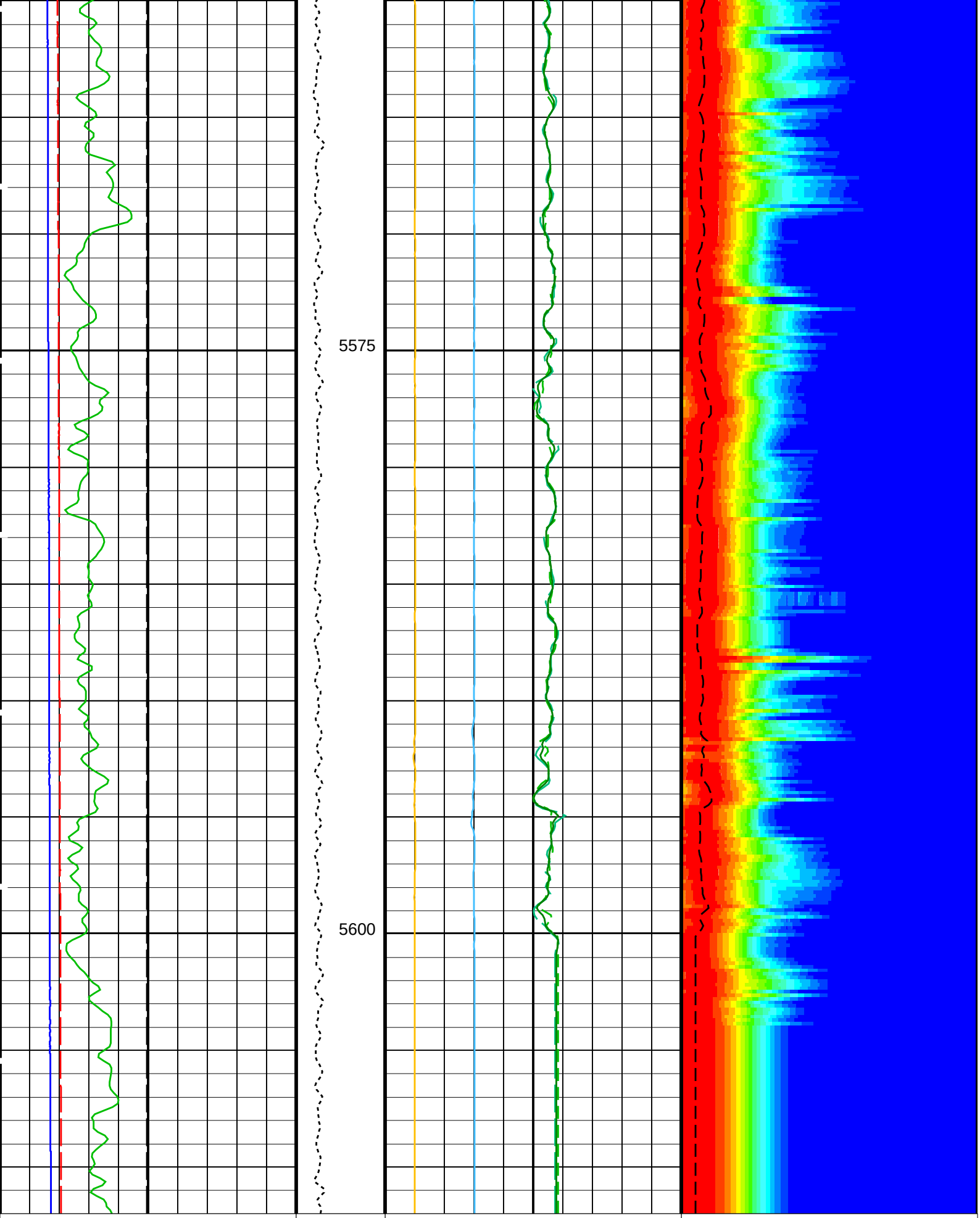
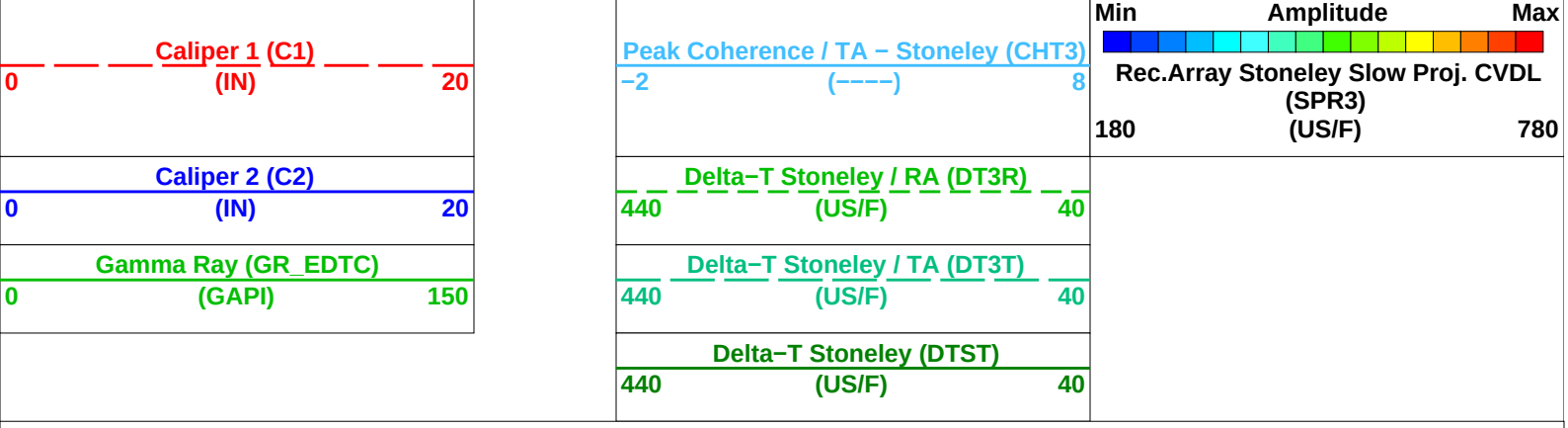


Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − Stoneley (CHR3)	Delta−T Stoneley / RA (DT3R)
0 (IN) 20	(LBF) 0 5000	0 (−−−−) 10	180 (US/F) 780



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	180	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	780	US/F
SUL3	STC Slowness Upper Limit − Monopole Stoneley	780	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	12020	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	NORMAL	

Format: DSST_STONELEY_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06−May−2022 03:08

OP System Version: 19C0−187

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

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_065LUP		PRODUCER	06−May−2022 03:06	5612.0 M	4969.8 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_067PUP	FN:77	PRODUCER	06−May−2022 03:08	
RTB	FMS_DSI_NGS_067PUP	FN:78	PRODUCER	06−May−2022 03:08	

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_065LUP		PRODUCER	06−May−2022 03:06	5612.0 M	4969.8 M

Output DLIS Files

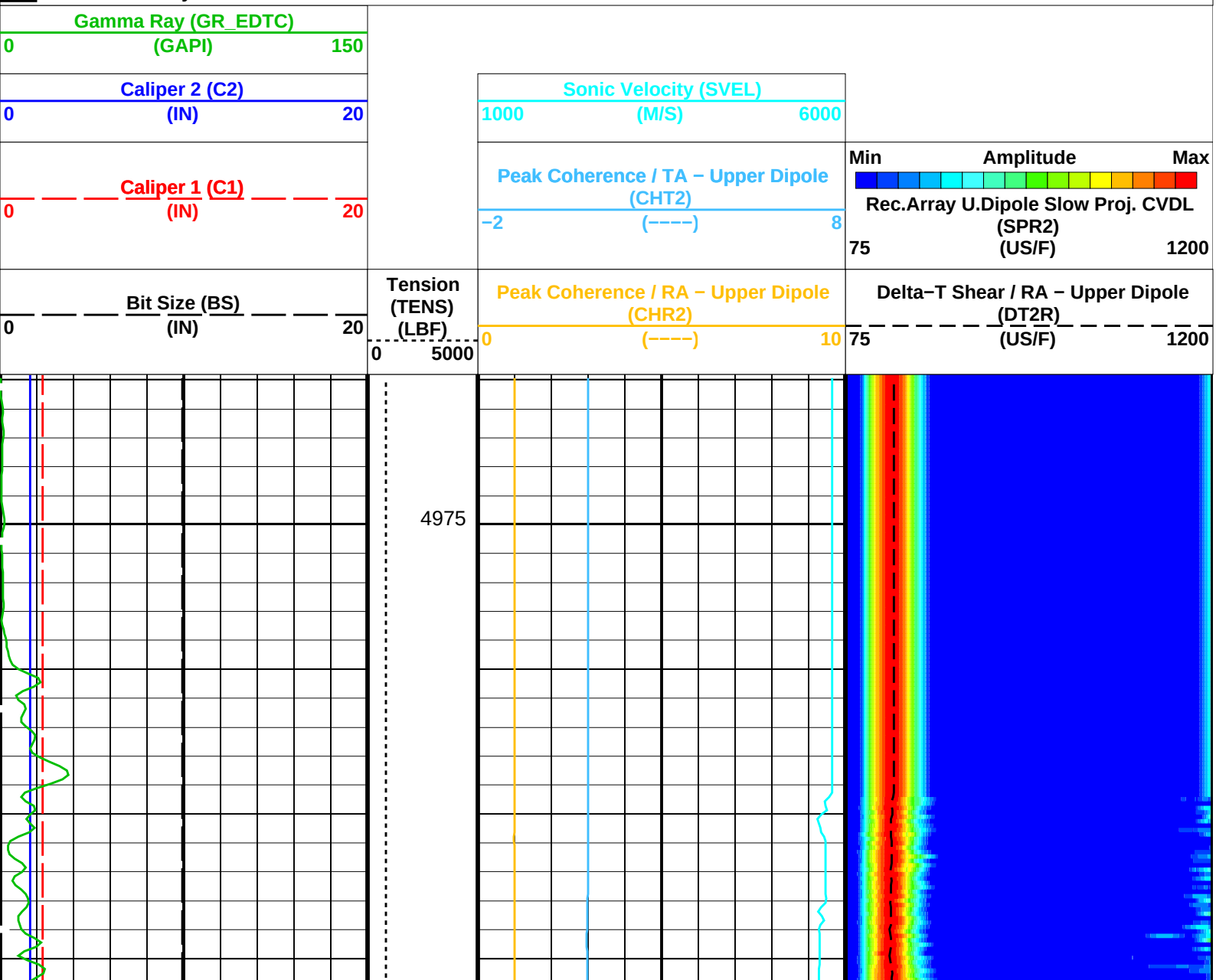
DEFAULT	FMS_DSI_NGS_067PUP	FN:77	PRODUCER	06−May−2022 03:08	5612.0 M	4969.8 M
RTB	FMS_DSI_NGS_067PUP	FN:78	PRODUCER	06−May−2022 03:08	5612.0 M	4969.8 M

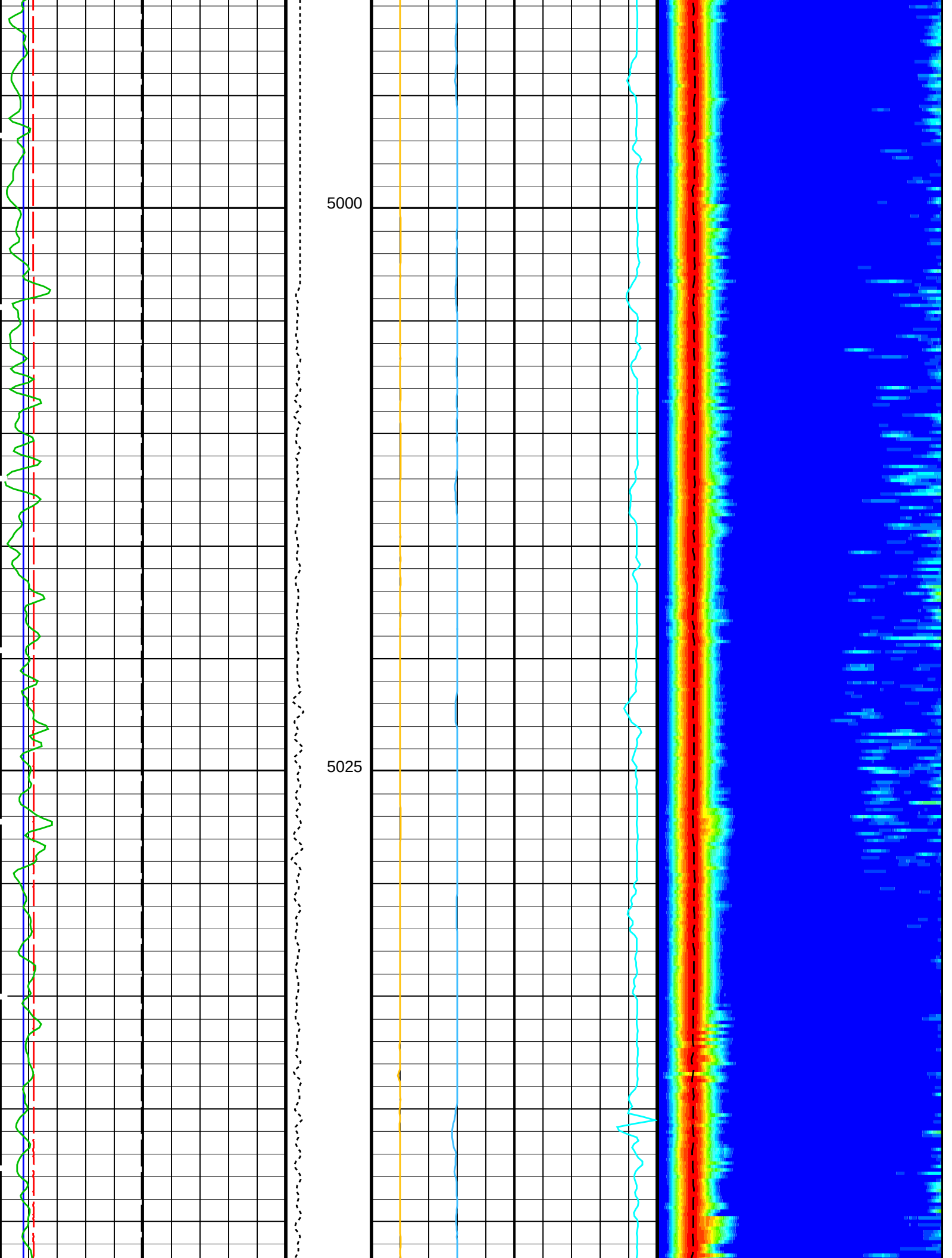
OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

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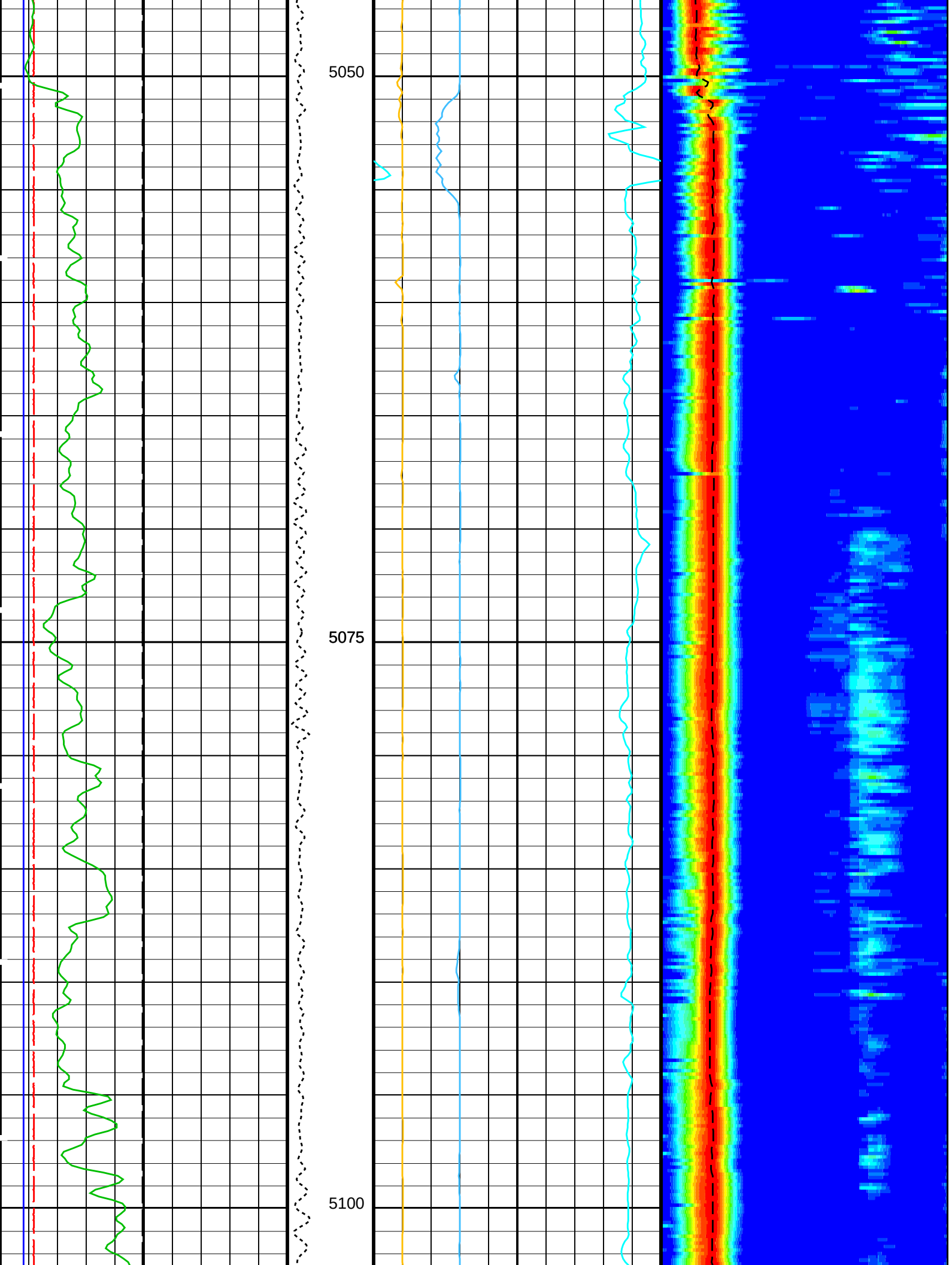
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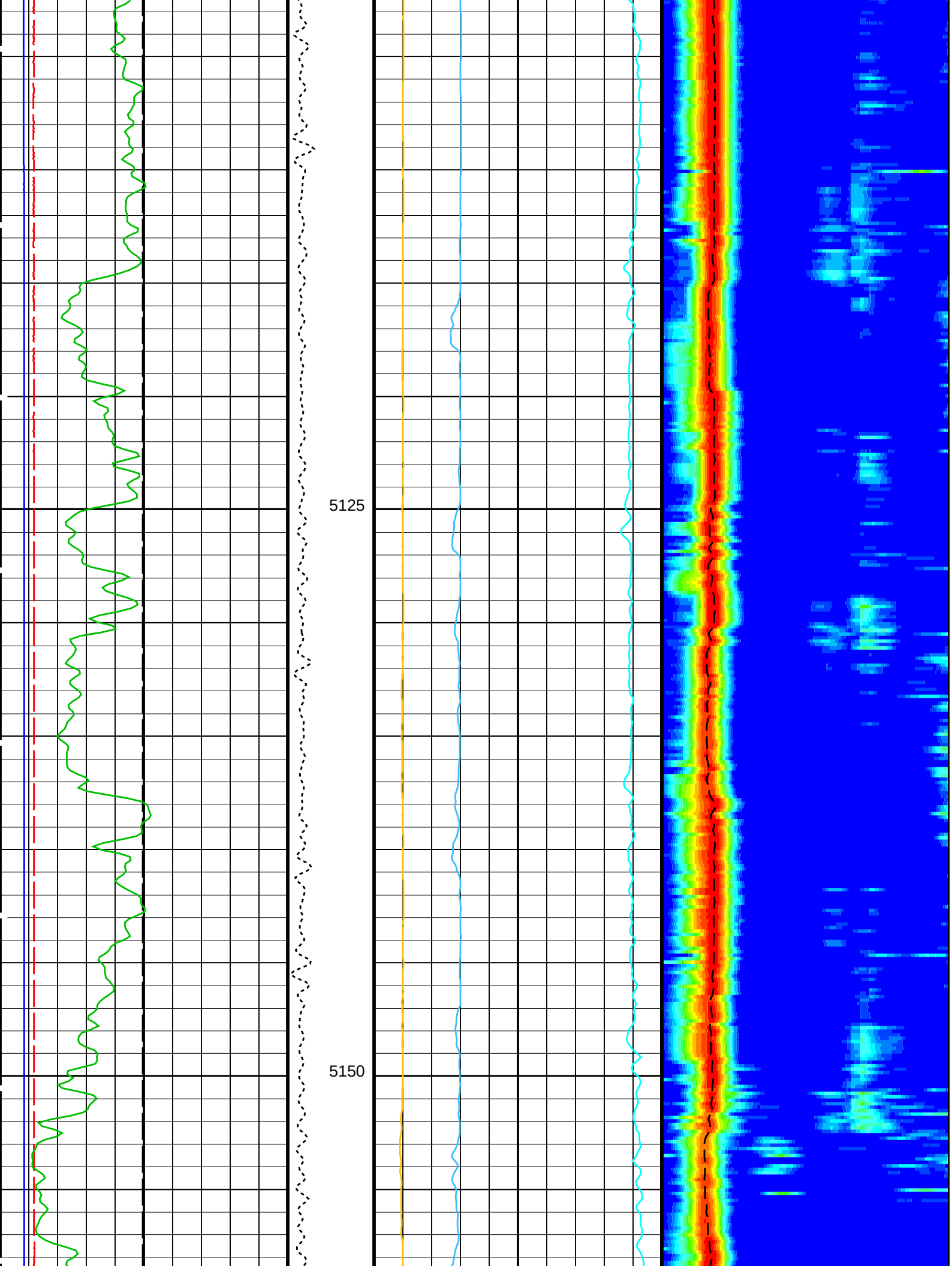
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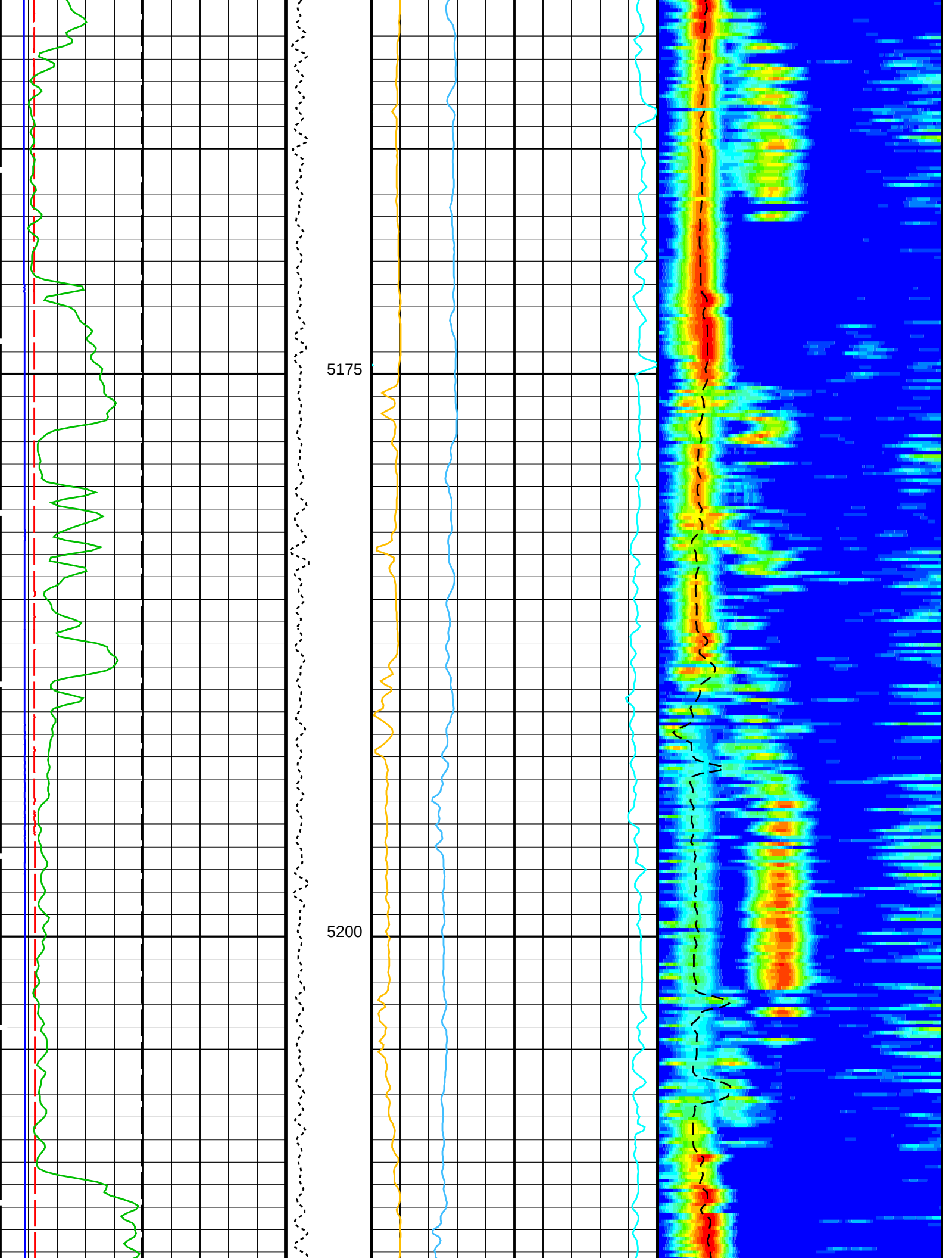
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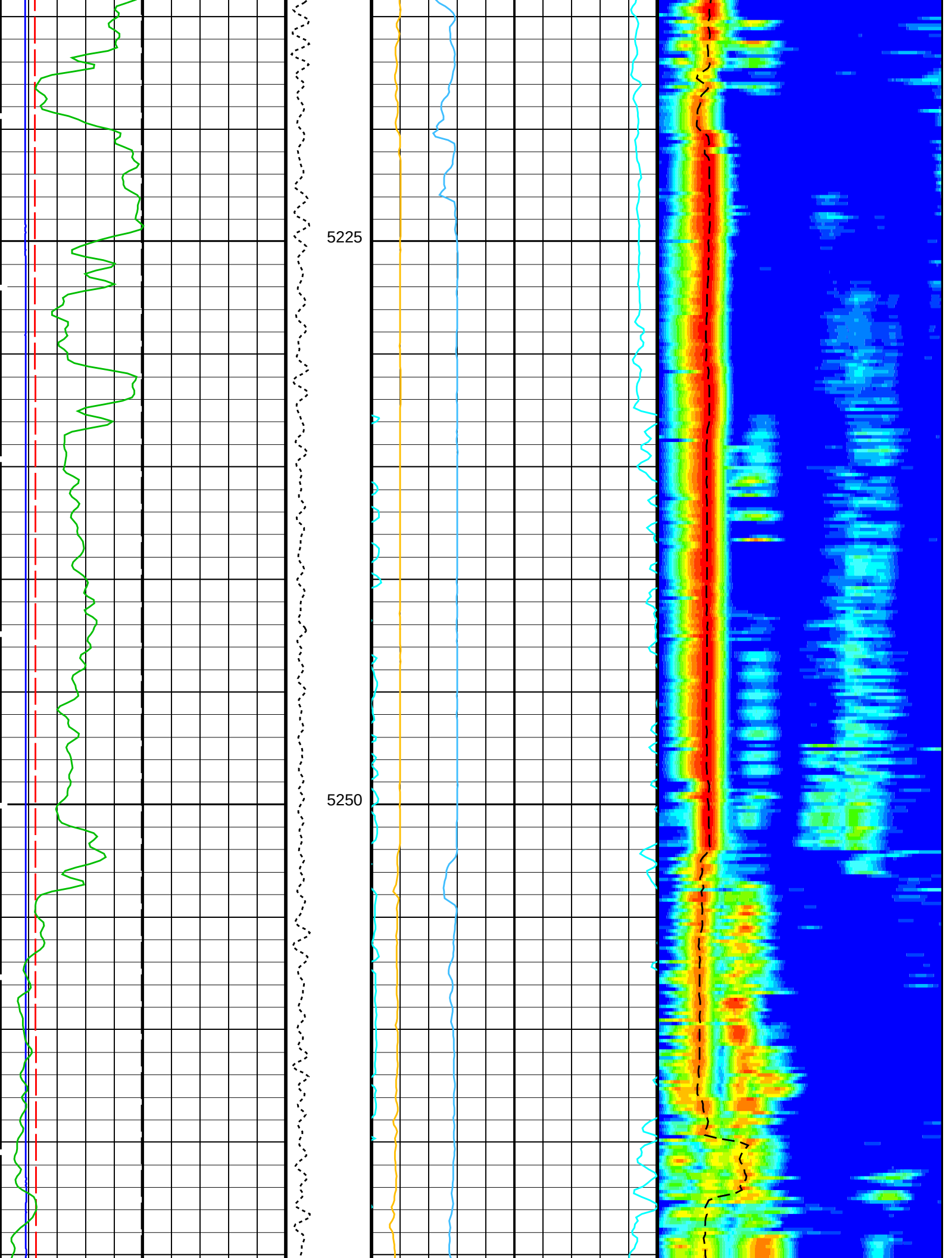
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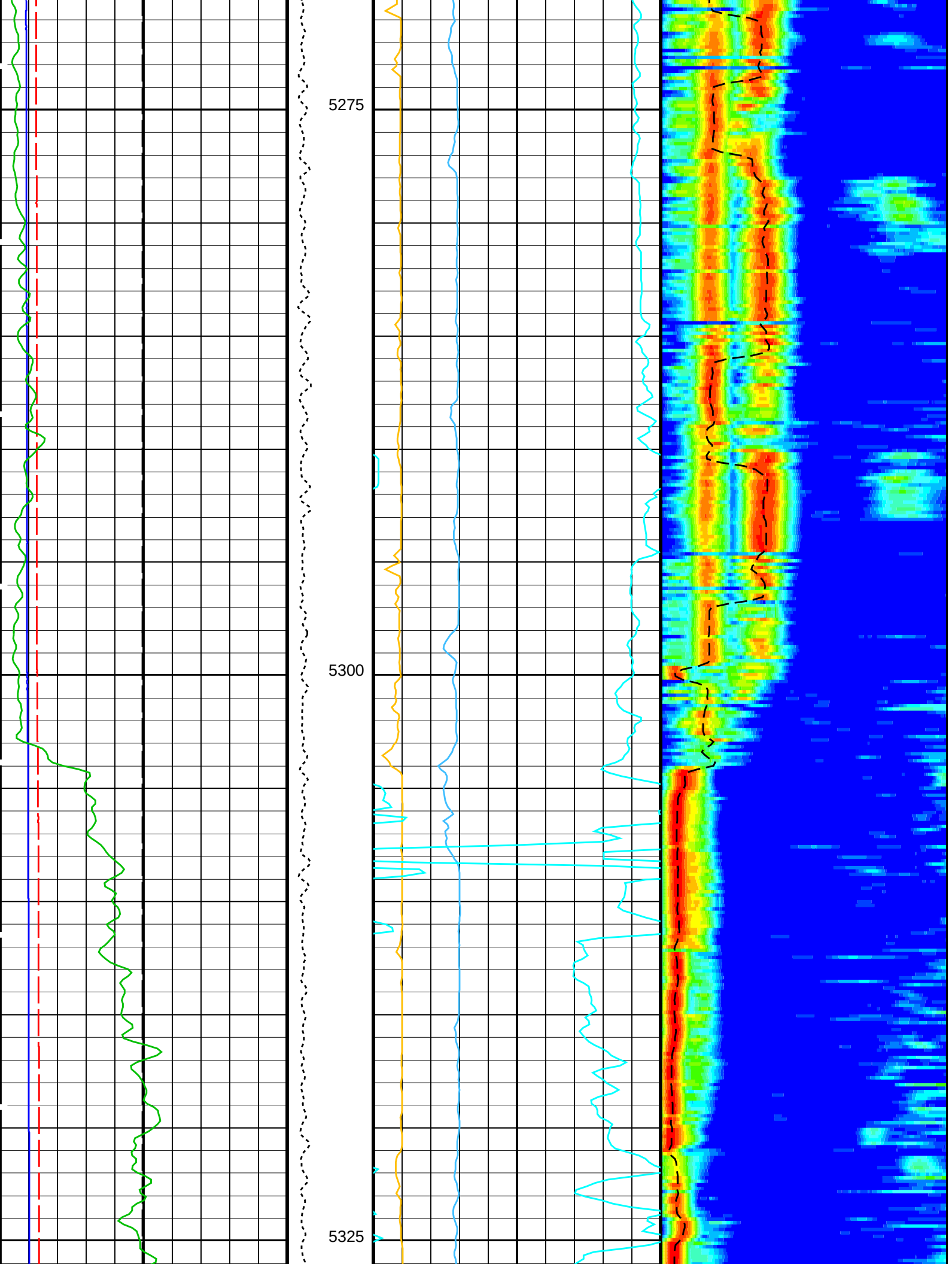
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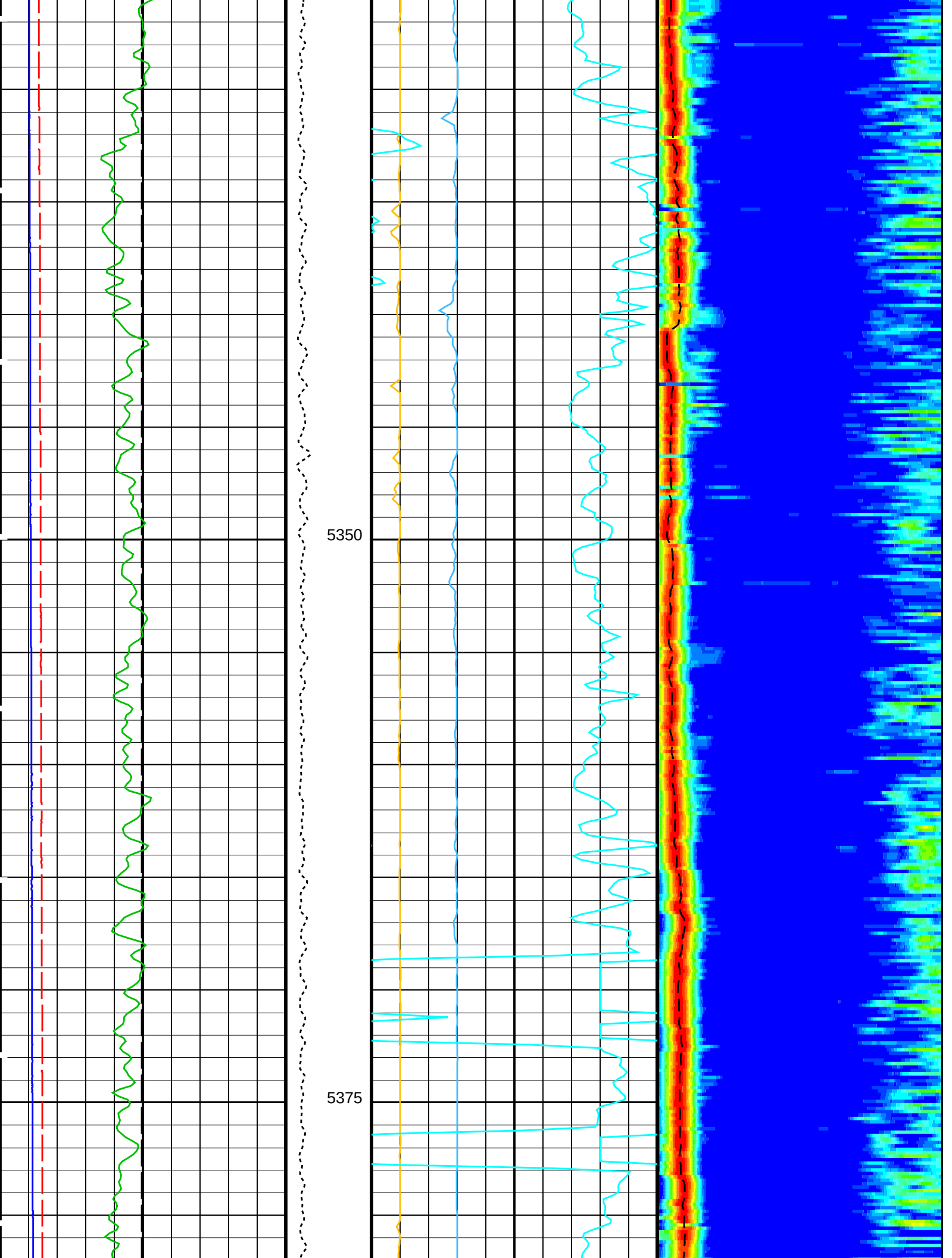
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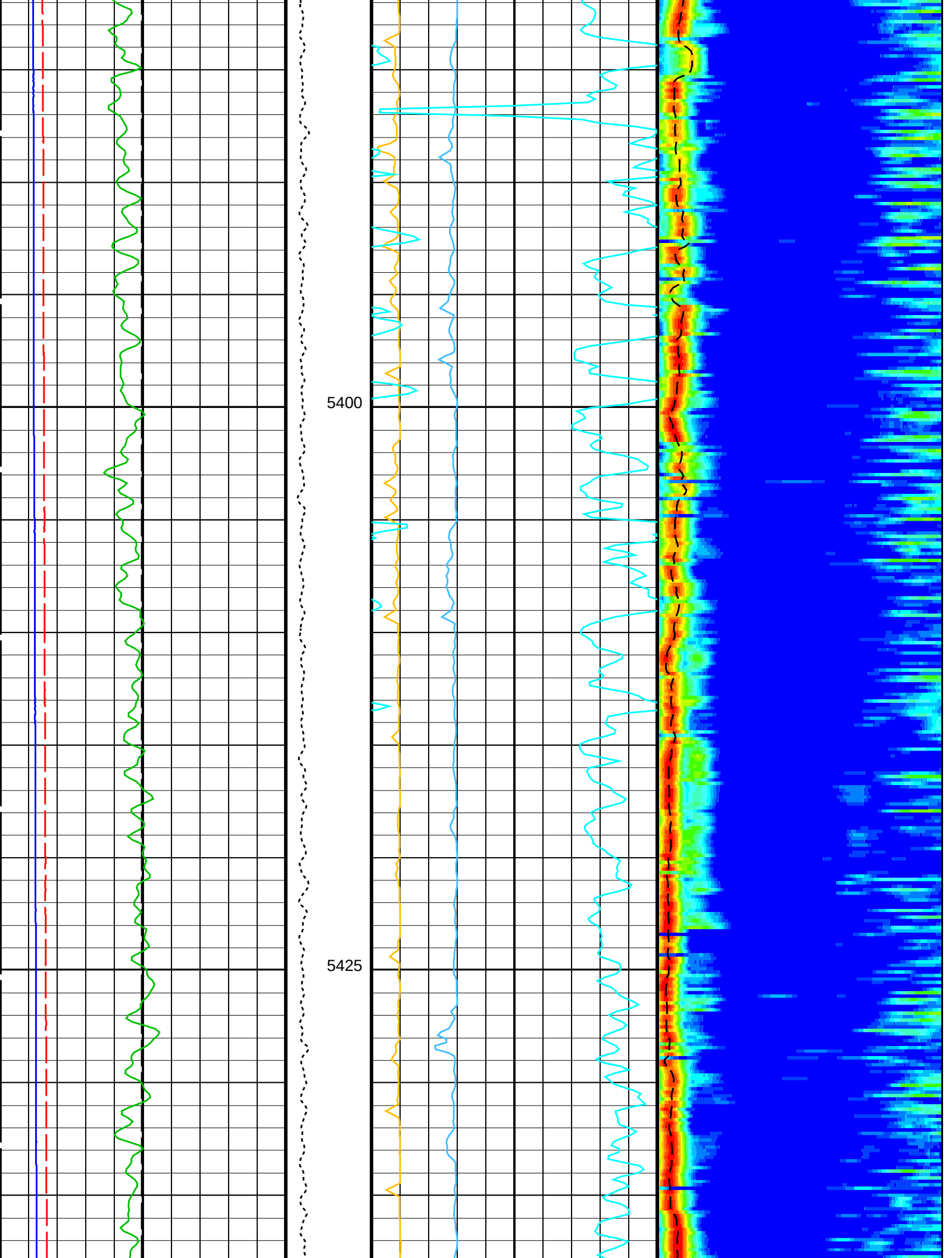
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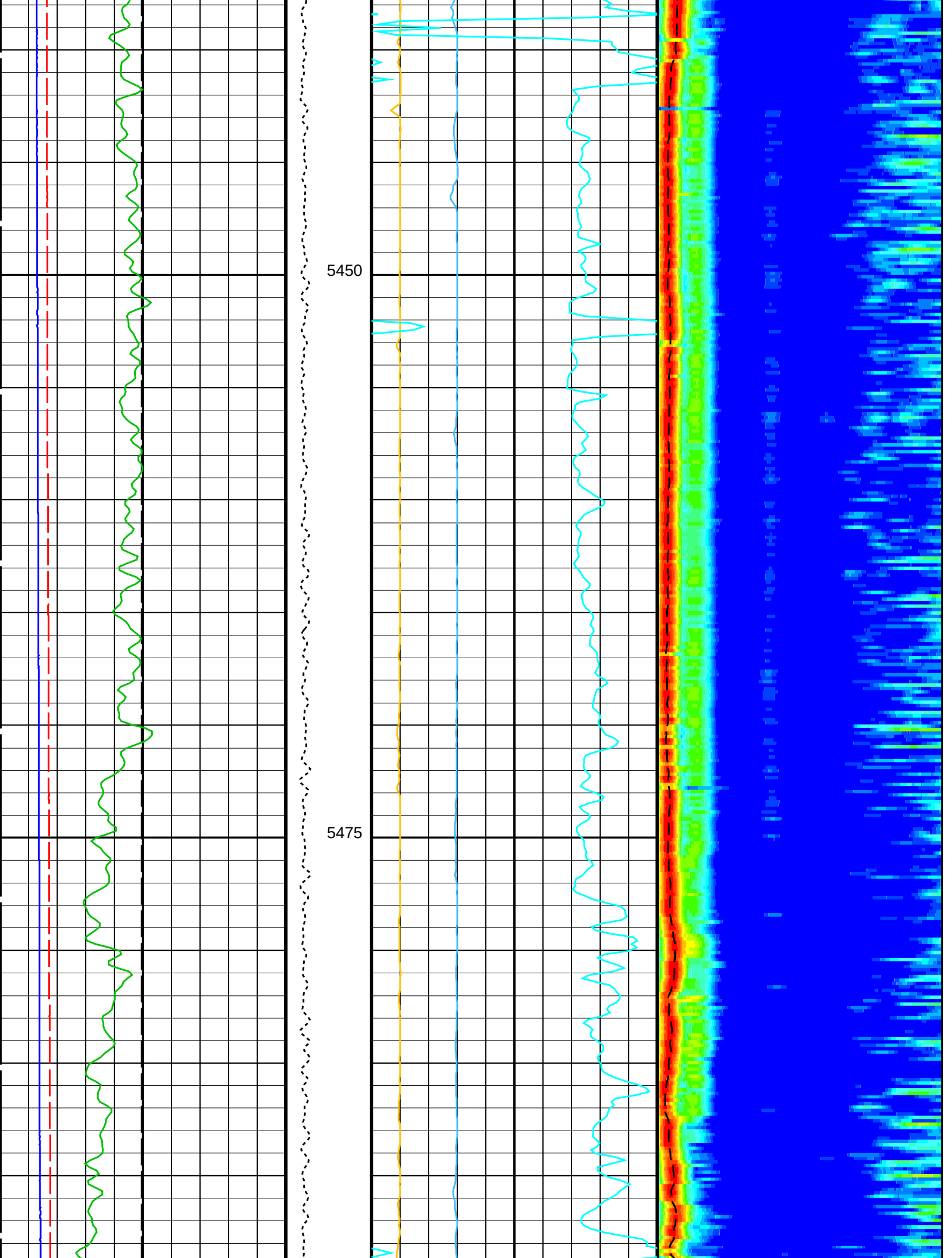
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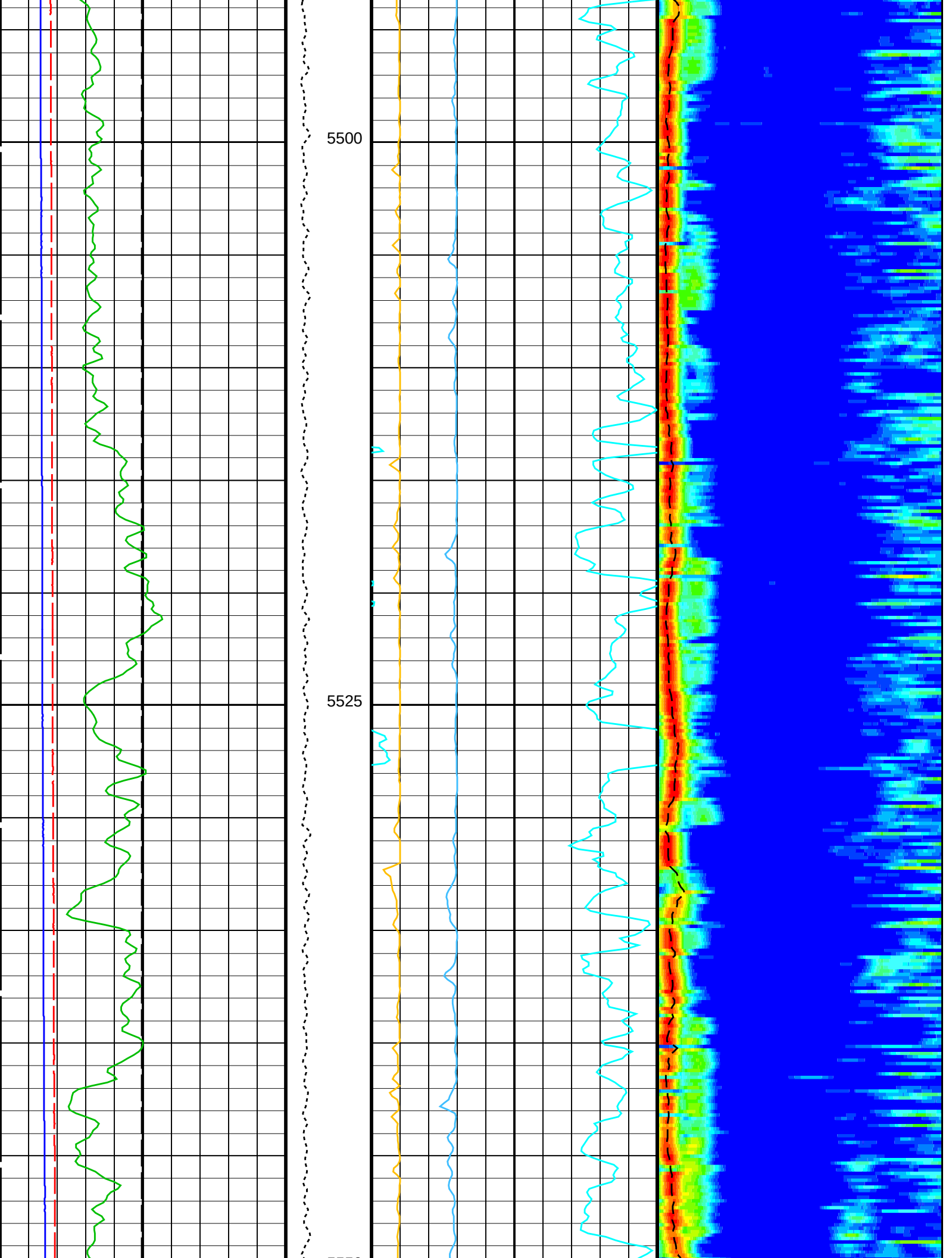
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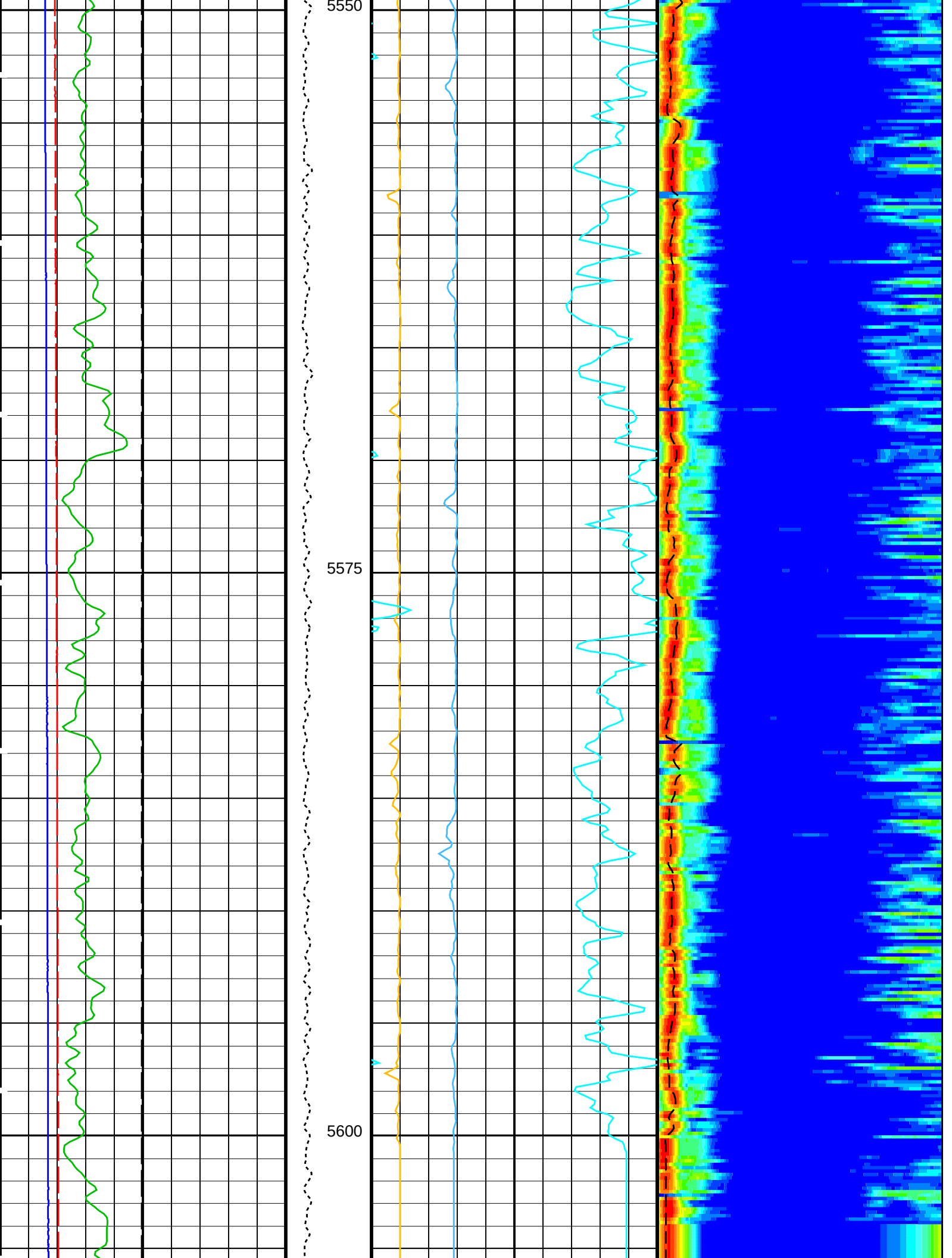
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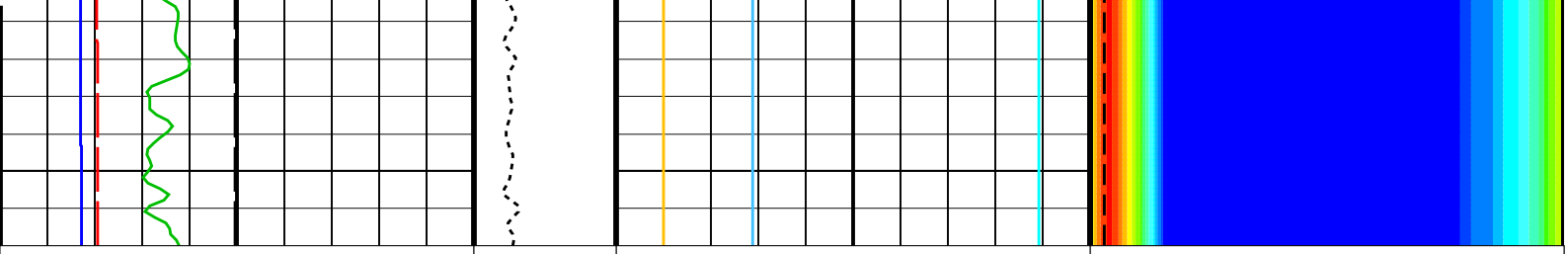


Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − Upper Dipole (CHR2)	Delta−T Shear / RA − Upper Dipole (DT2R)
0 (IN) 20	(LBF) 0 5000	0 (−−−−) 10	75 (US/F) 1200

Caliper 1 (C1)		Peak Coherence / TA − Upper Dipole (CHT2)	Min Amplitude Max Rec.Array U.Dipole Slow Proj. CVDL (SPR2)
0 (IN) 20		−2 (−−−−) 8	75 (US/F) 1200

Caliper 2 (C2)		Sonic Velocity (SVEL)	
0 (IN) 20		1000 (M/S) 6000	

Gamma Ray (GR_EDTC)			
0 (GAPI) 150			

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	50	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1000	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	40	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	1400	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	20440	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	NORMAL	

OP System Version: 19C0−187

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

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_065LUP	PRODUCER	06−May−2022 03:06	5612.0 M	4969.8 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_067PUP	FN:77	PRODUCER	06−May−2022 03:08	
RTB	FMS_DSI_NGS_067PUP	FN:78	PRODUCER	06−May−2022 03:08	

Company: International Ocean Discovery Program Well: Expedition 390, Site U1556B

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_065LUP	PRODUCER	06−May−2022 03:06	5612.0 M	4969.8 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_067PUP	FN:77	PRODUCER	06−May−2022 03:08	5612.0 M	4969.8 M
RTB	FMS_DSI_NGS_067PUP	FN:78	PRODUCER	06−May−2022 03:08	5612.0 M	4969.8 M

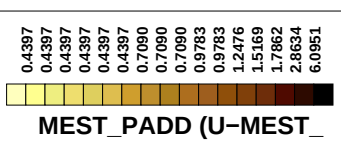
OP System Version: 19C0−187

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

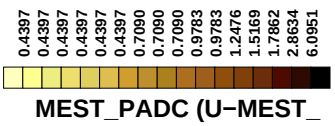
PIP SUMMARY

Time Mark Every 60 S

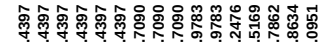
Relative Bearing (RB_MEST) −40 (DEG) 360		Data Button 8 − Varies with RBS (U−MEST_RB8) −80 (−−−−) 20
Pad One Azimuth (P1AZ_MEST) −40 (DEG) 360		Data Button 7 − Varies with RBS (U−MEST_RB7) −70 (−−−−) 30
Hole Azimuth (HAZIM) −40 (DEG) 360		Data Button 6 − Varies with RBS (U−MEST_RB6) −60 (−−−−) 40
Gamma Ray (GR_EDTC) 0 (GAPI) 150		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
Caliper 2 (C2) 0 (IN) 20		Data Button 3 − Varies with RBS (U−MEST_RB3) −30 (−−−−) 70
		Data Button 2 − Varies with RBS (U−MEST_RB2) −20 (−−−−) 80

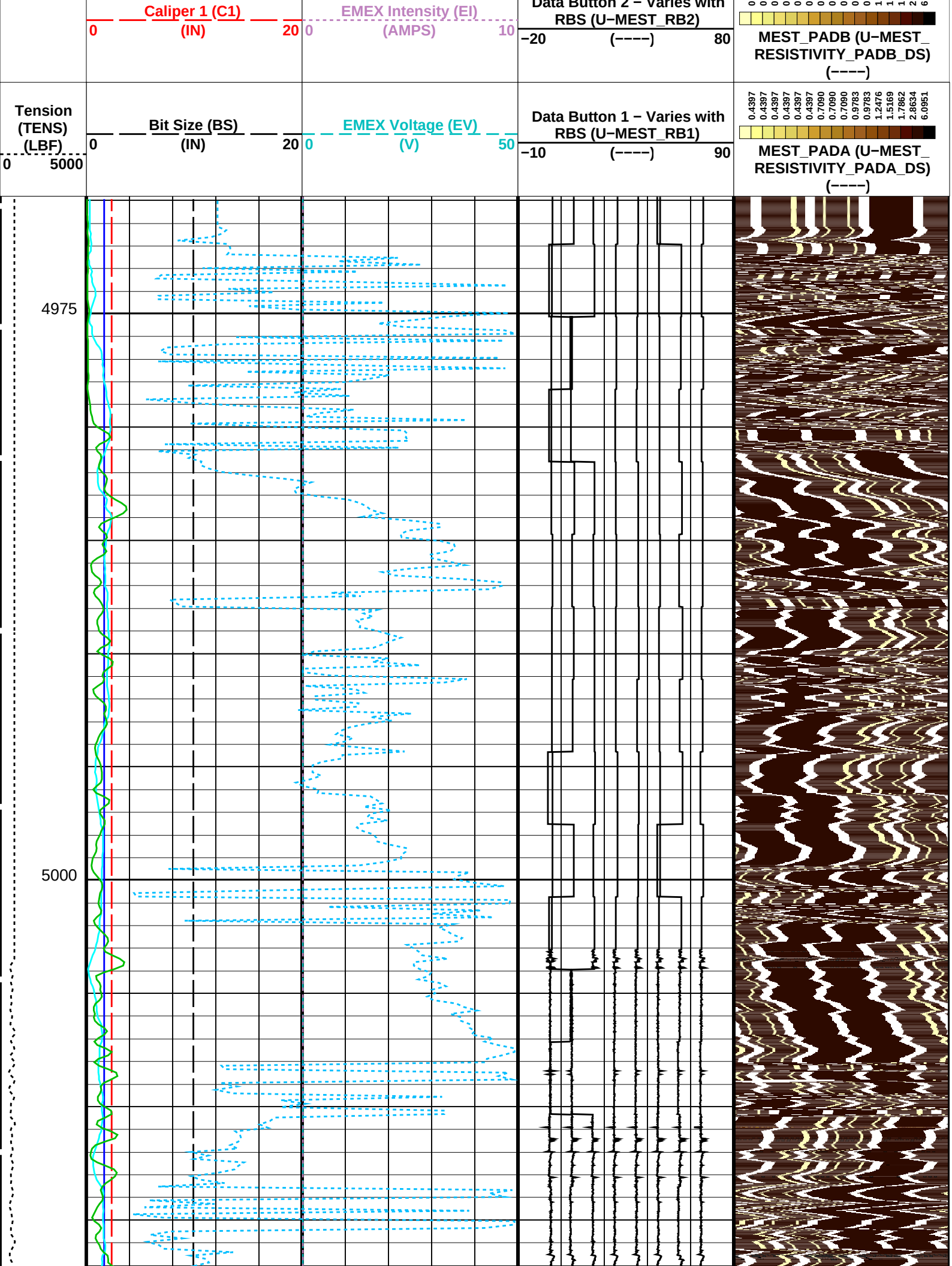


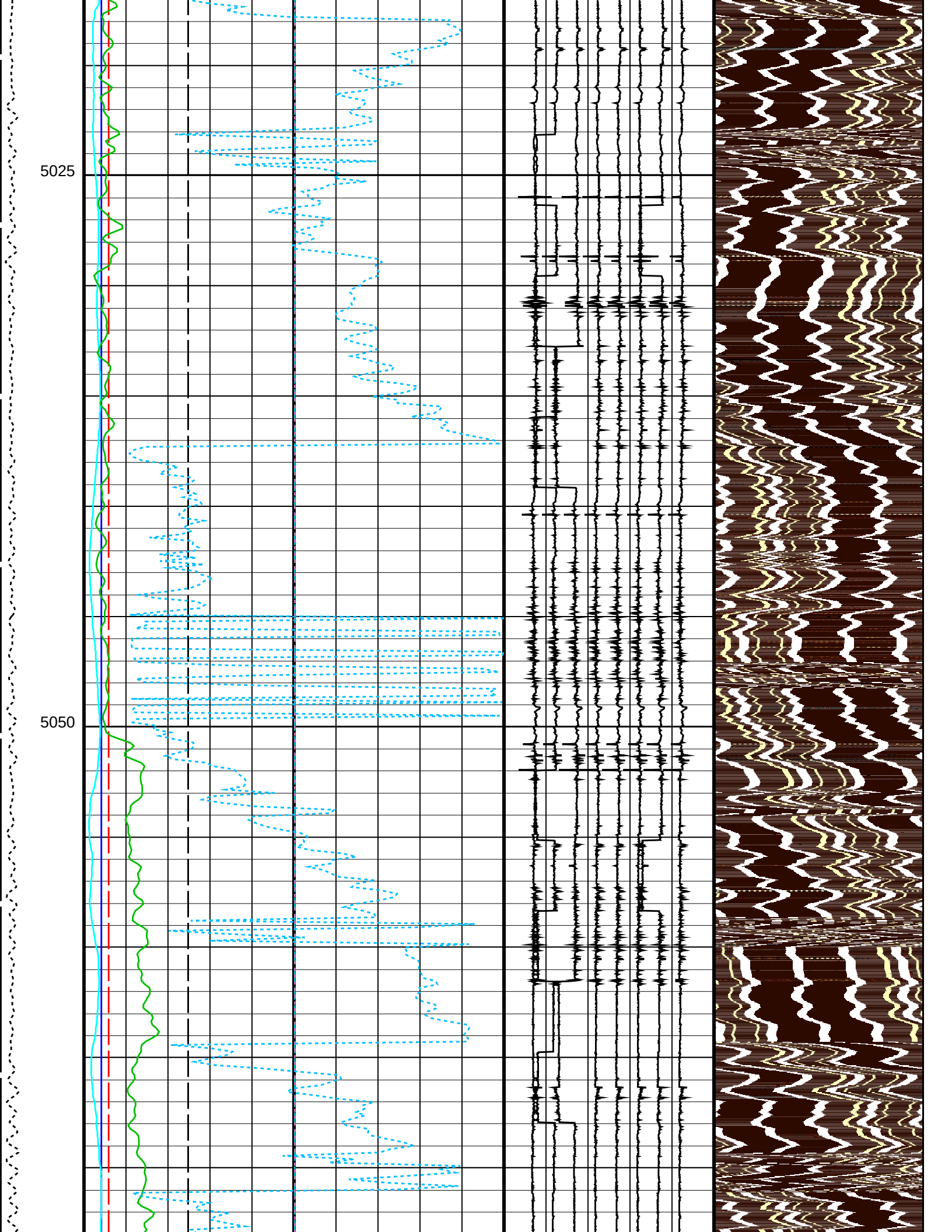
MEST_PADD (U−MEST_RESISTIVITY_PADD_DS) (−−−−)



MEST_PADC (U−MEST_RESISTIVITY_PADC_DS) (−−−−)




Caliper 1 (C1)
0
(IN)
20
EMEX Intensity (EI)
0
(AMPS)
10
Data Button 2 − Varies with RBS (U−MEST_RB2)
−20
(−−−−)
80
MEST_PADB (U−MEST_RESISTIVITY_PADB_DS)
(−−−−)
0.4397
0.4397
0.4397
0.4397
0.4397
0.4397
0.7090
0.7090
0.9783
0.9783
1.2476
1.5169
1.7862
2.8634
6.0951
Tension (TENS) (LBF)
0
5000
Bit Size (BS)
0
(IN)
20
EMEX Voltage (EV)
0
(V)
50
Data Button 1 − Varies with RBS (U−MEST_RB1)
−10
(−−−−)
90
MEST_PADA (U−MEST_RESISTIVITY_PADA_DS)
(−−−−)
4975
5000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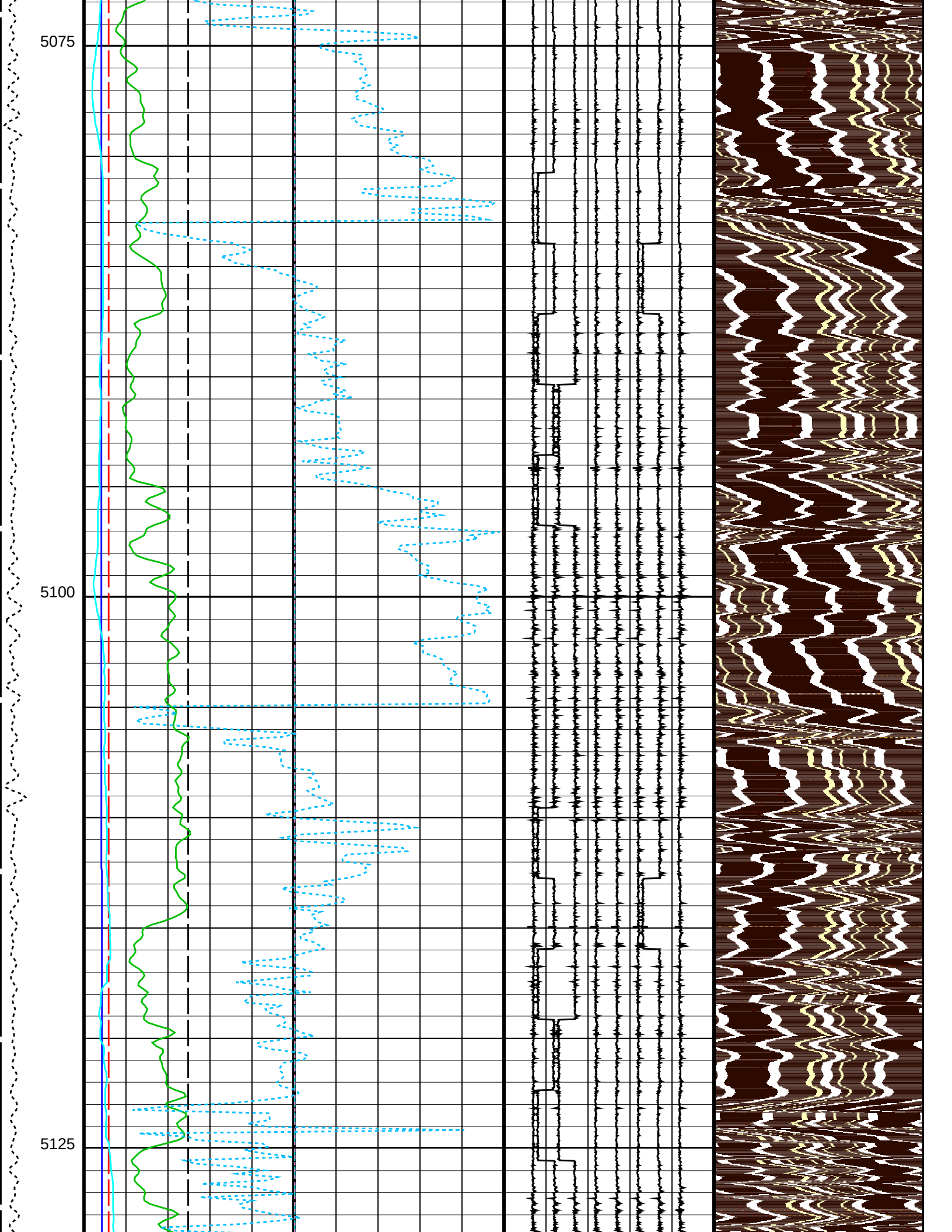
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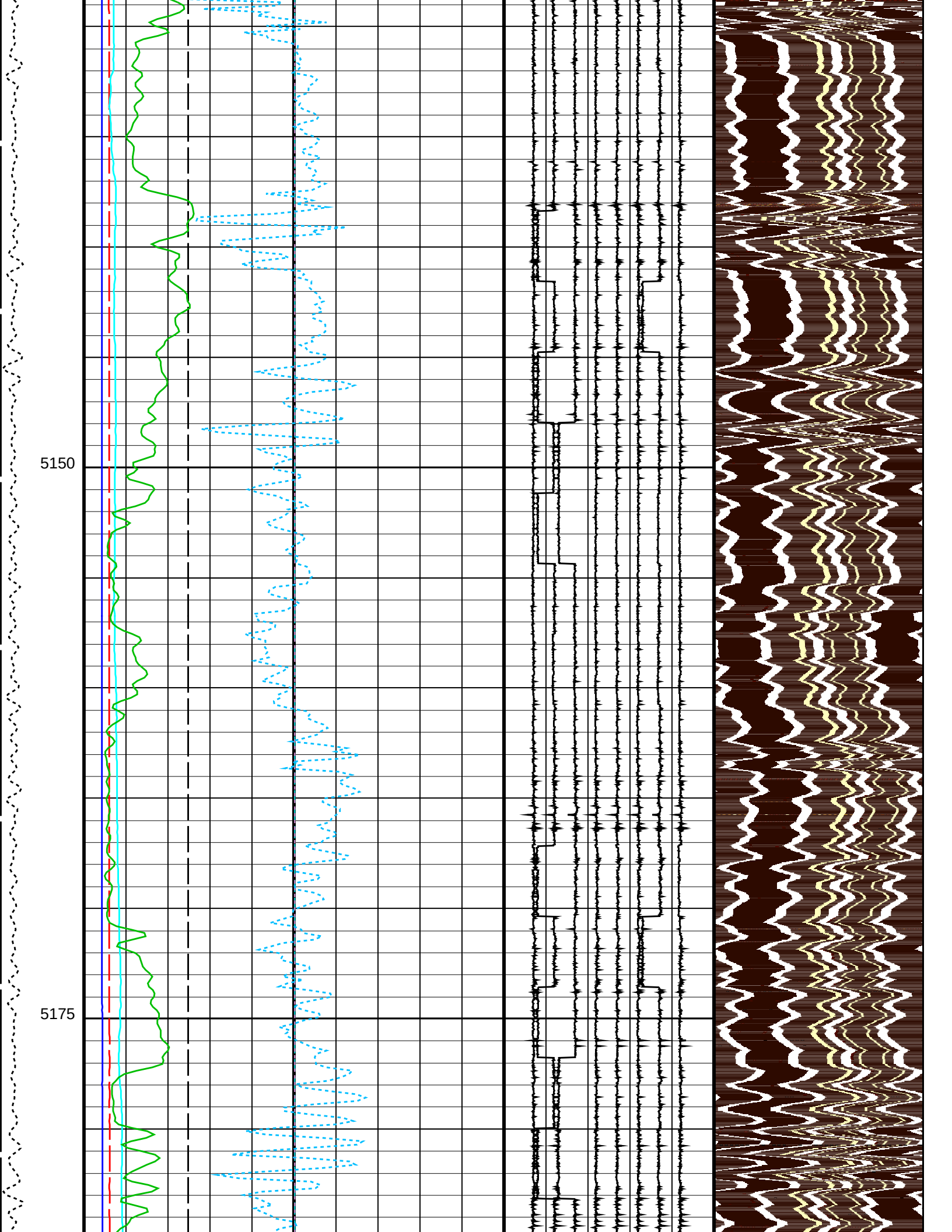
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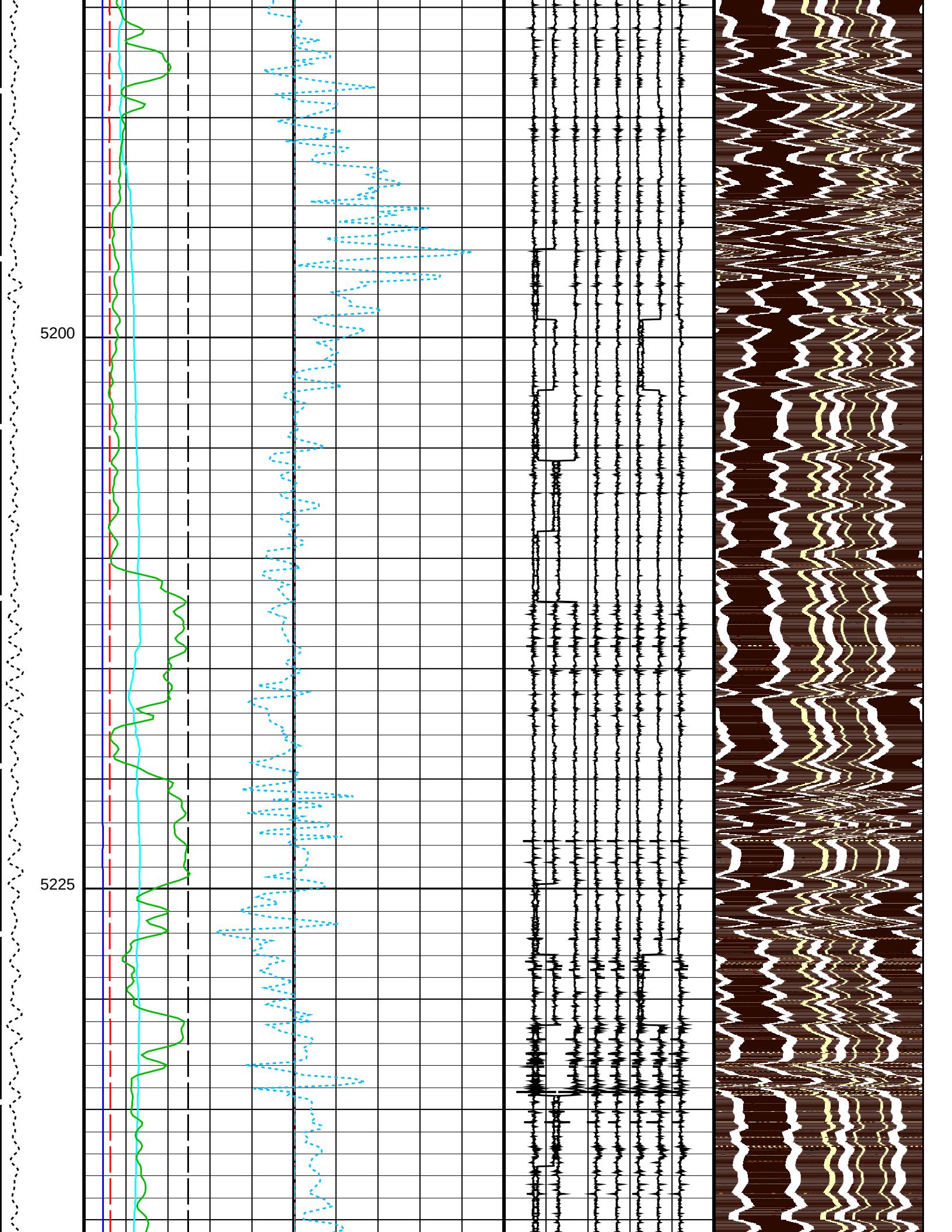
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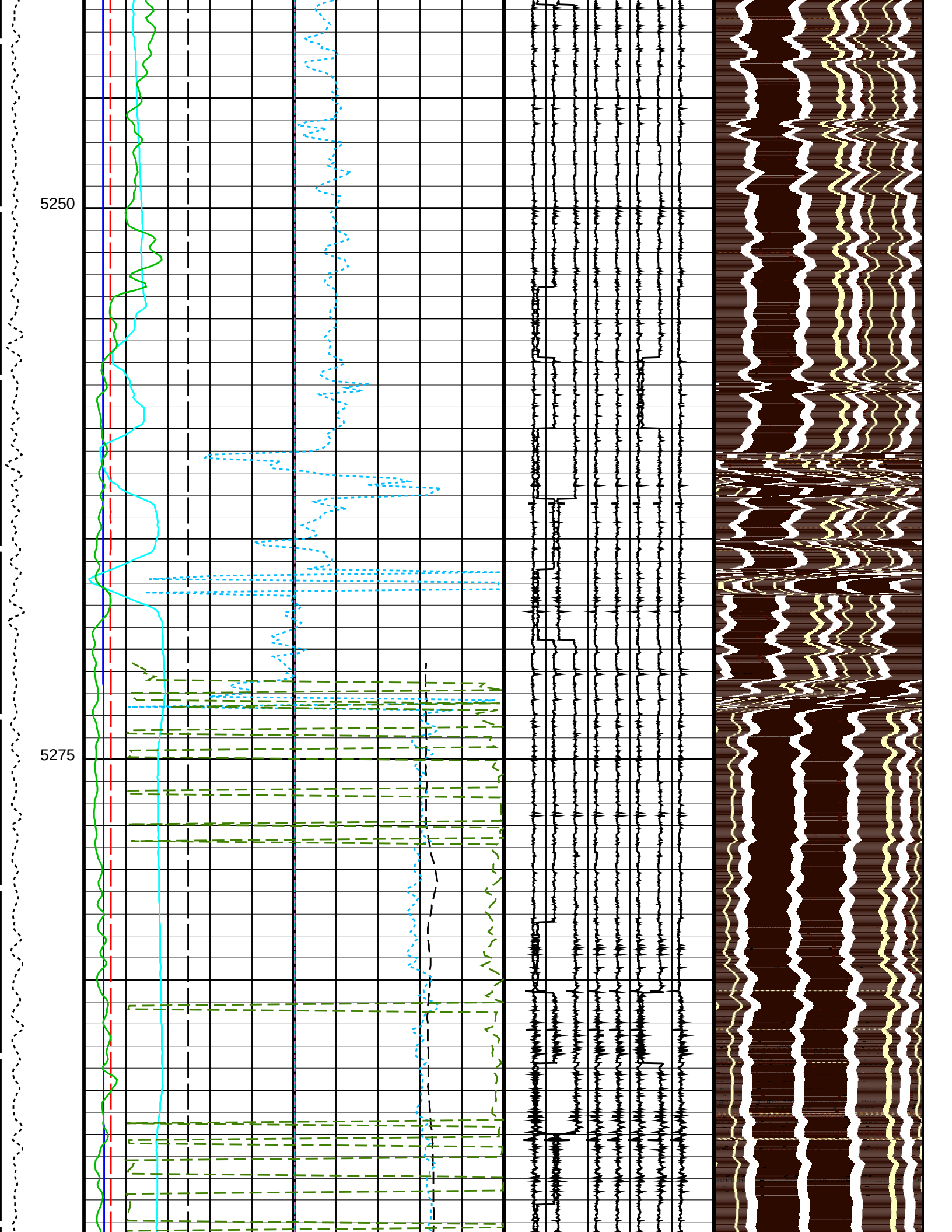
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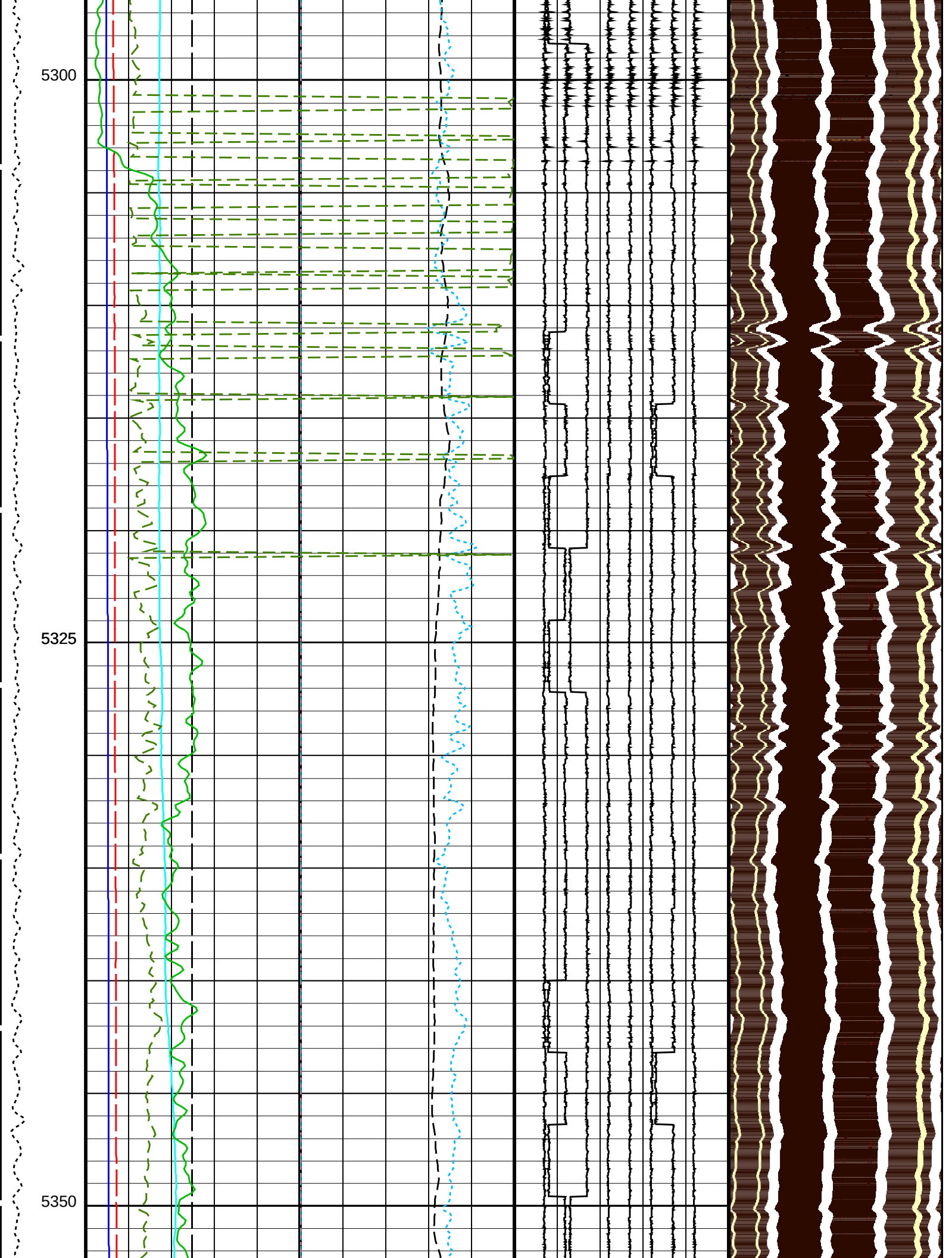
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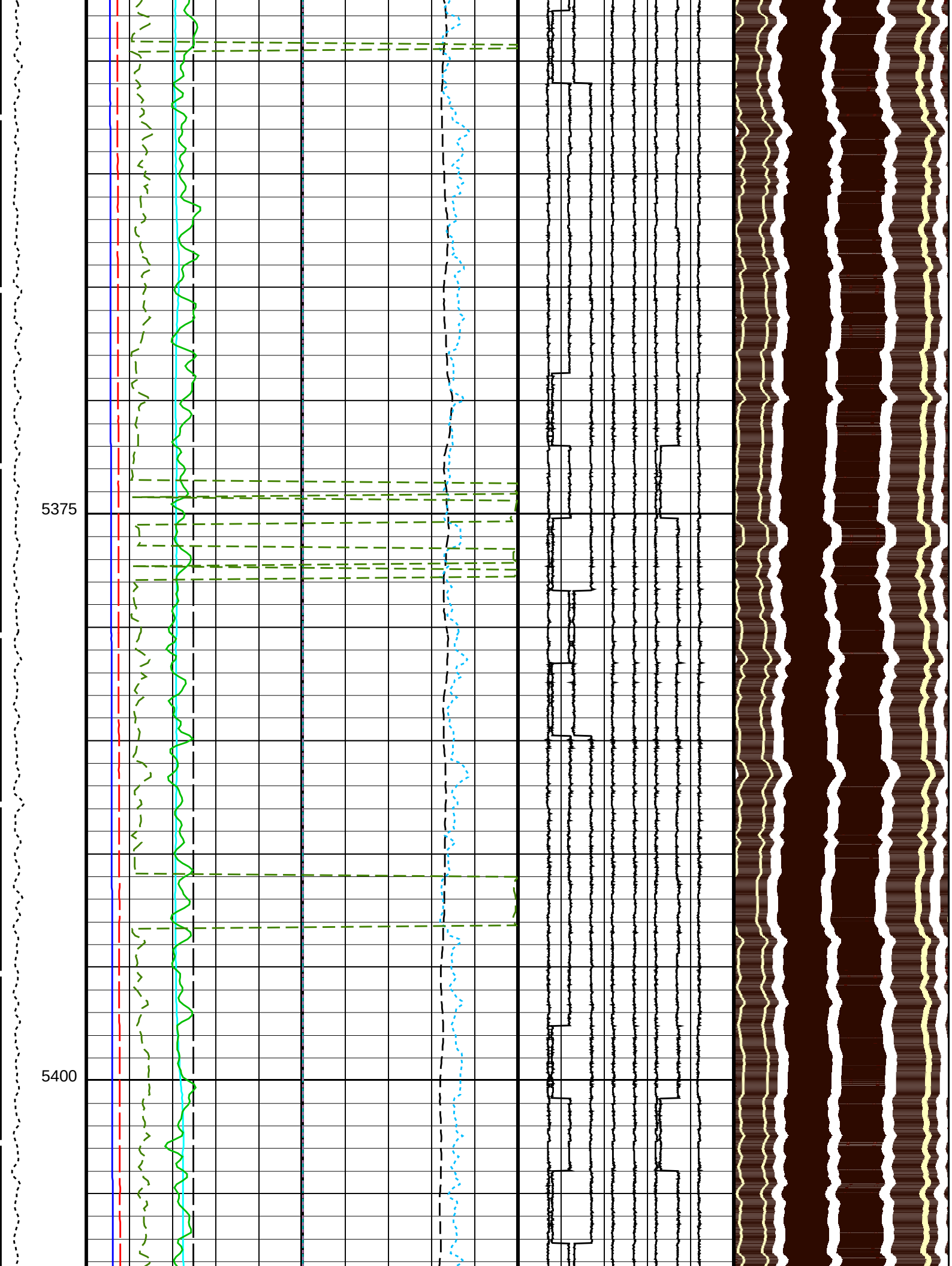
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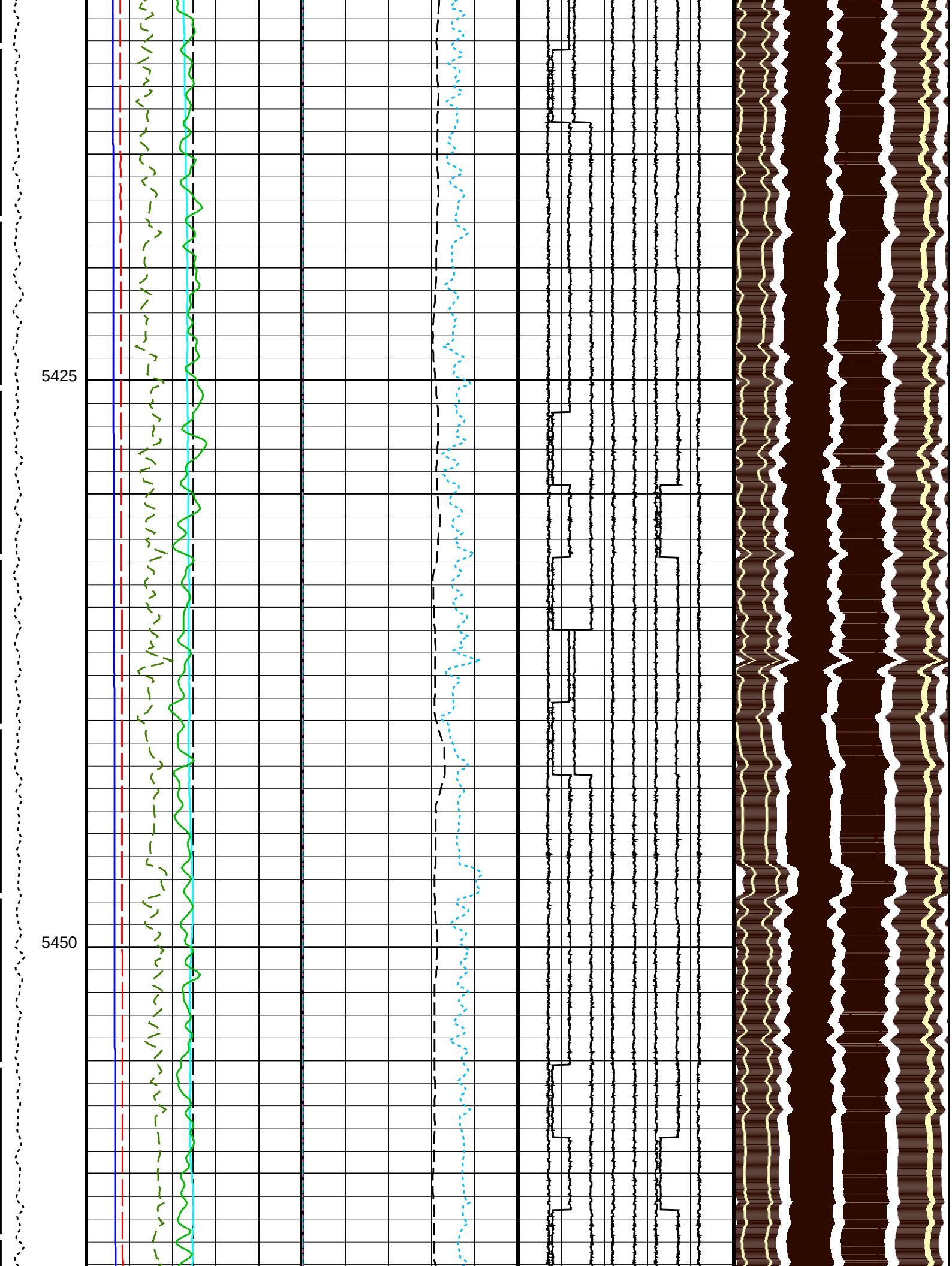
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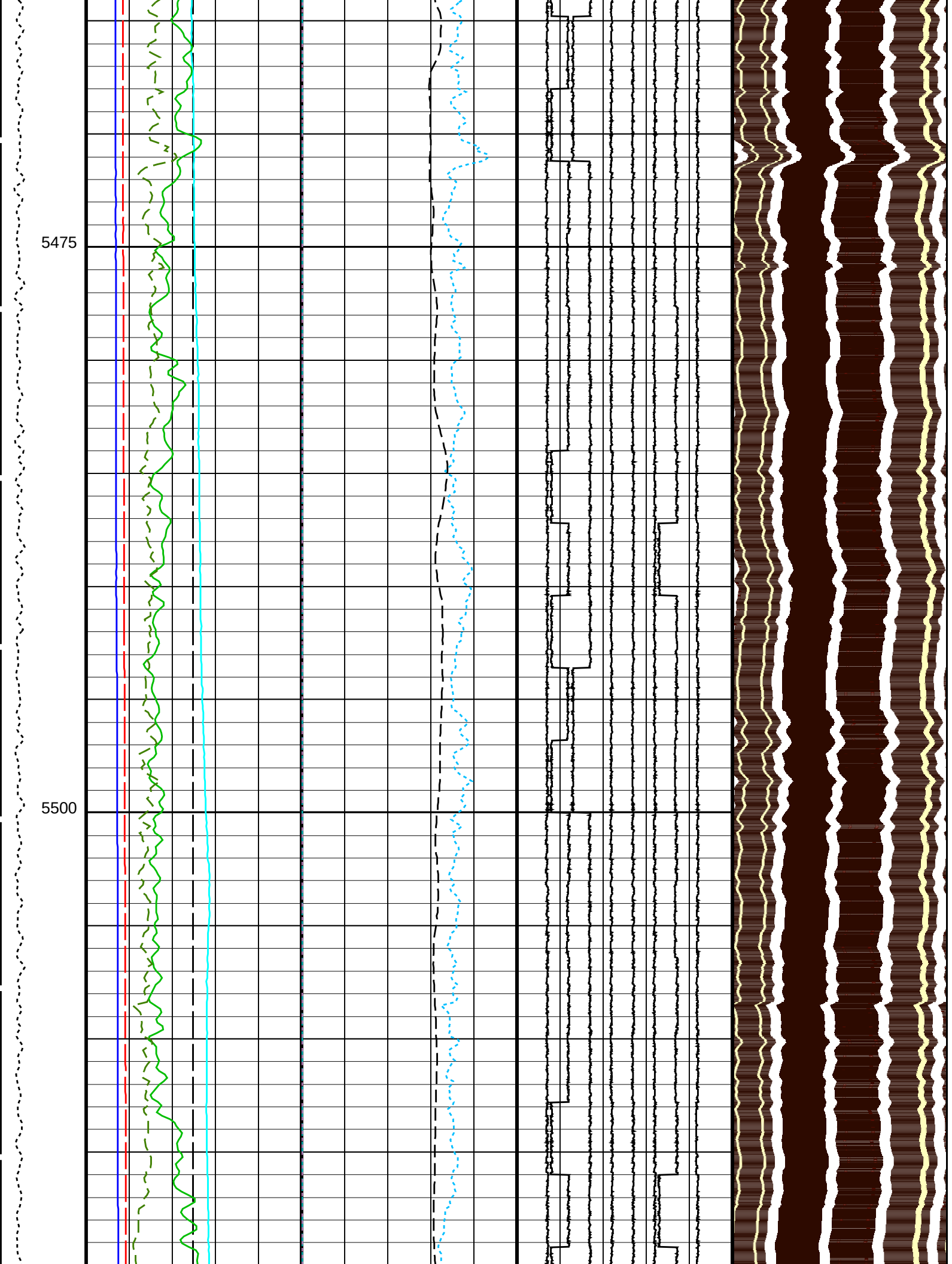
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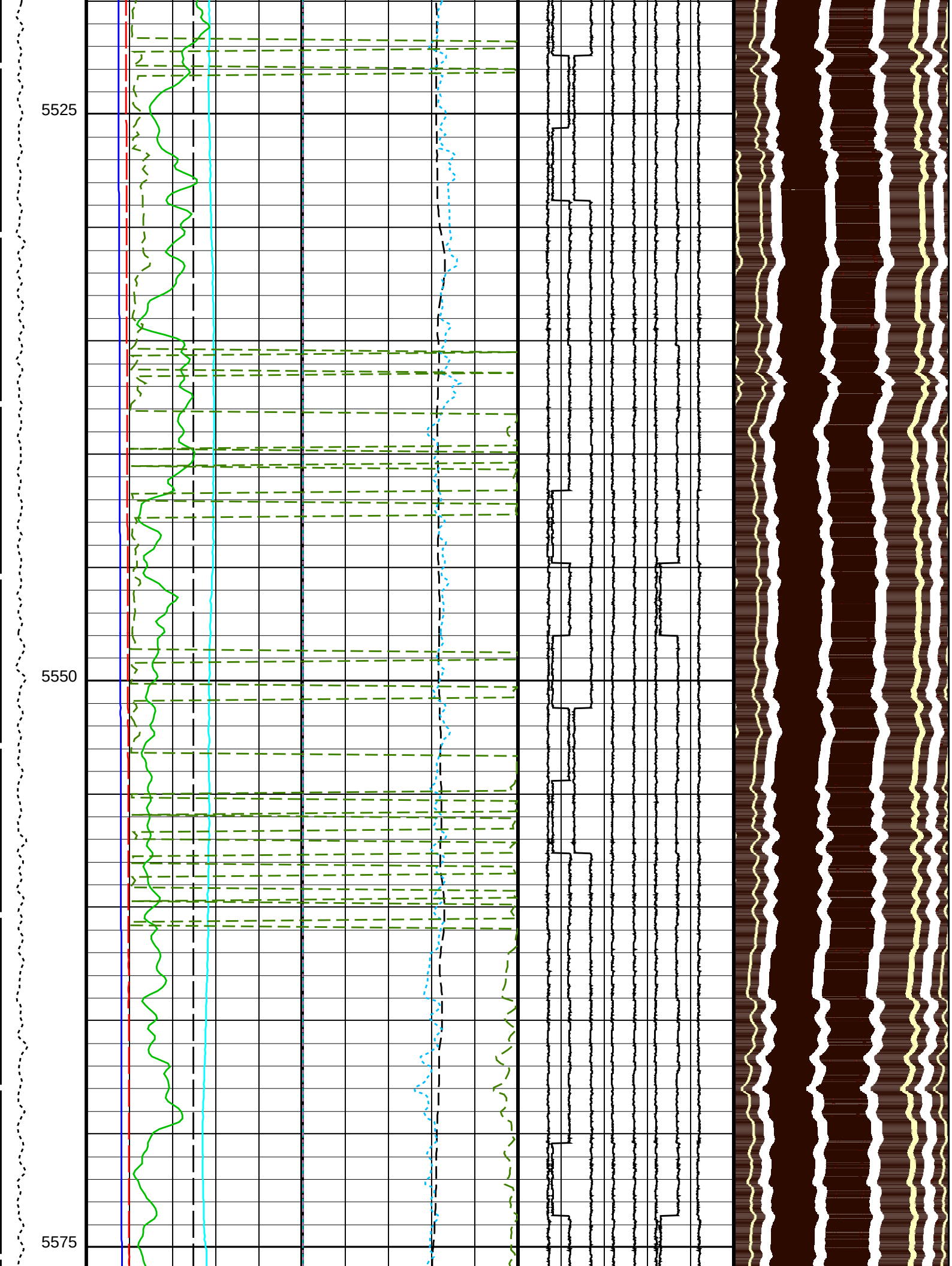
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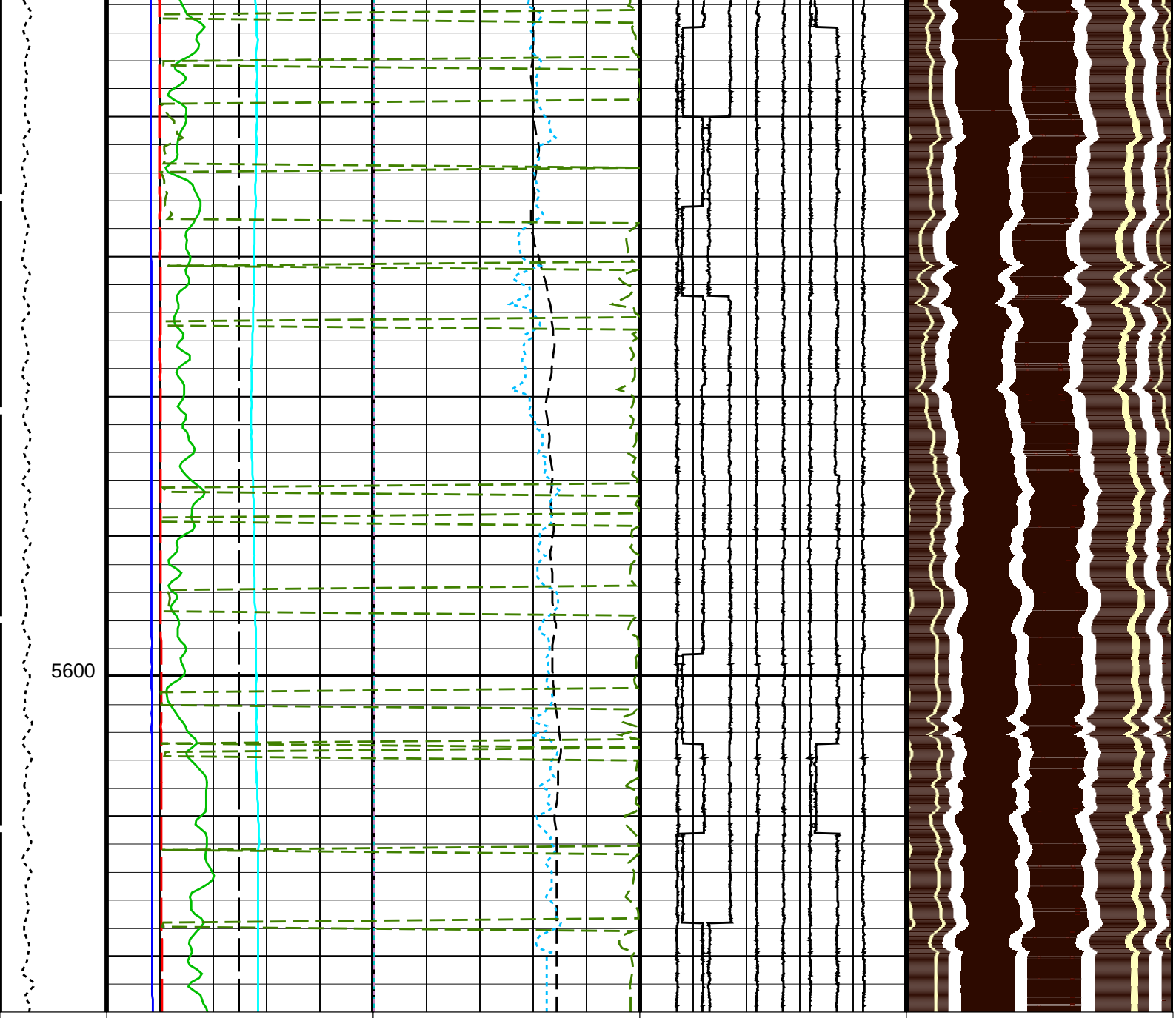


Tension (TENS) (LBF) 0 5000	Bit Size (BS) 0 (IN) 20	EMEX Voltage (EV) 0 (V) 50	Data Button 1 − Varies with RBS (U−MEST_RB1) −10 (−−−−) 90	0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951 MEST_PADA (U−MEST_ RESISTIVITY_PADA_DS) (−−−−)
	Caliper 1 (C1) 0 (IN) 20	EMEX Intensity (EI) 0 (AMPS) 10	Data Button 2 − Varies with RBS (U−MEST_RB2) −20 (−−−−) 80	0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951 MEST_PADB (U−MEST_ RESISTIVITY_PADB_DS) (−−−−)
	Caliper 2 (C2) 0 (IN) 20		Data Button 3 − Varies with RBS (U−MEST_RB3) −30 (−−−−) 70	0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951 MEST_PADC (U−MEST_ RESISTIVITY_PADC_DS) (−−−−)
	Deviation (DEVIM) 0 (DEG) 10		Data Button 4 − Varies with RBS (U−MEST_RB4) −40 (−−−−) 60	0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951 MEST_PADD (U−MEST_ RESISTIVITY_PADD_DS) (−−−−)

Gamma Ray (GR_EDTC) 0 (GAPI) 150		Data Button 5 − Varies with RBS (U−MEST_RB5) −50 (−−−−) 50
Hole Azimuth (HAZIM) −40 (DEG) 360		Data Button 6 − Varies with RBS (U−MEST_RB6) −60 (−−−−) 40
Pad One Azimuth (P1AZ_MEST) −40 (DEG) 360		Data Button 7 − Varies with RBS (U−MEST_RB7) −70 (−−−−) 30
Relative Bearing (RB_MEST) −40 (DEG) 360		Data Button 8 − Varies with RBS (U−MEST_RB8) −80 (−−−−) 20

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	−23.9726	DEG
MLM	MEST Logging Mode	SCAN1800	
RBS	Resistivity Button Selection	AUTO	
XGAI	Gain	GAIN_2	
XOFF	Offset	OFFSET_0	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: MEST_C_WRAP_BY_P1AZ Vertical Scale: 1:200 Graphics File Created: 06−May−2022 03:08

OP System Version: 19C0−187

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

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_065LUP	PRODUCER	06−May−2022 03:06	5612.0 M	4969.8 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_067PUP	FN:77	PRODUCER	06−May−2022 03:08
RTB	FMS_DSI_NGS_067PUP	FN:78	PRODUCER	06−May−2022 03:08

Schlumberger

First Up Pass

MAXIS Field Log

Output DLIS Files

DEFAULT	FMS_DSI_NGS_058LUP	FN:64	PRODUCER	05−May−2022 23:30	5646.4 M	5287.5 M

RTB FMS_DSI_NGS_058LUP FN:65 PRODUCER 05−May−2022 23:30 5646.4 M 5287.5 M

OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)
0 (GAPI) 100

Area1
From HCGR to HSGR

HNGS Computed Gamma Ray (HCGR)
0 (GAPI) 100

HNGS Borehole Potassium (HBHK)
−0.05 (−−−−) 0.05

Caliper 2 (C2)
6 (IN) 16

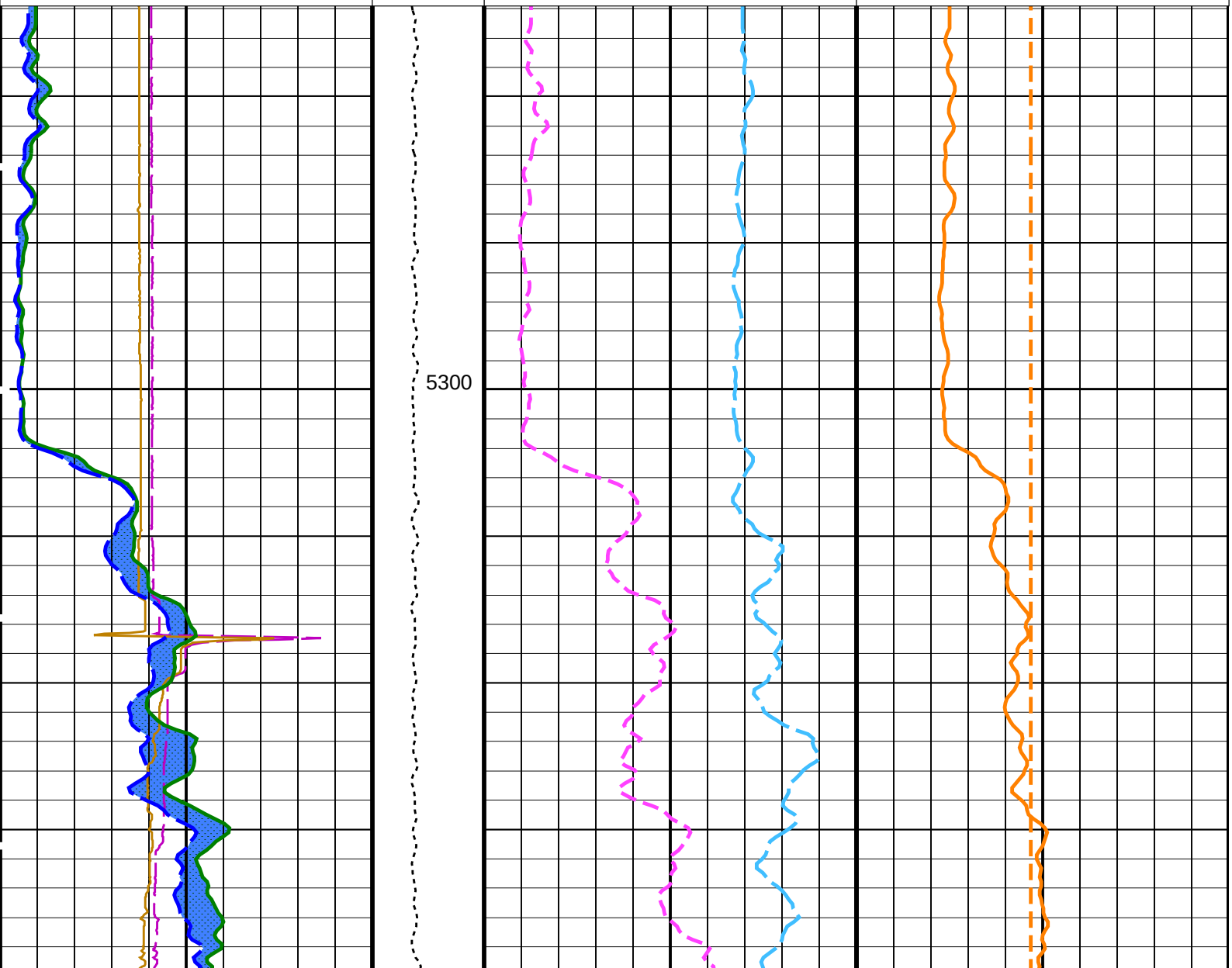
HNGS Uranium (HURA)
−5 (PPM) 10

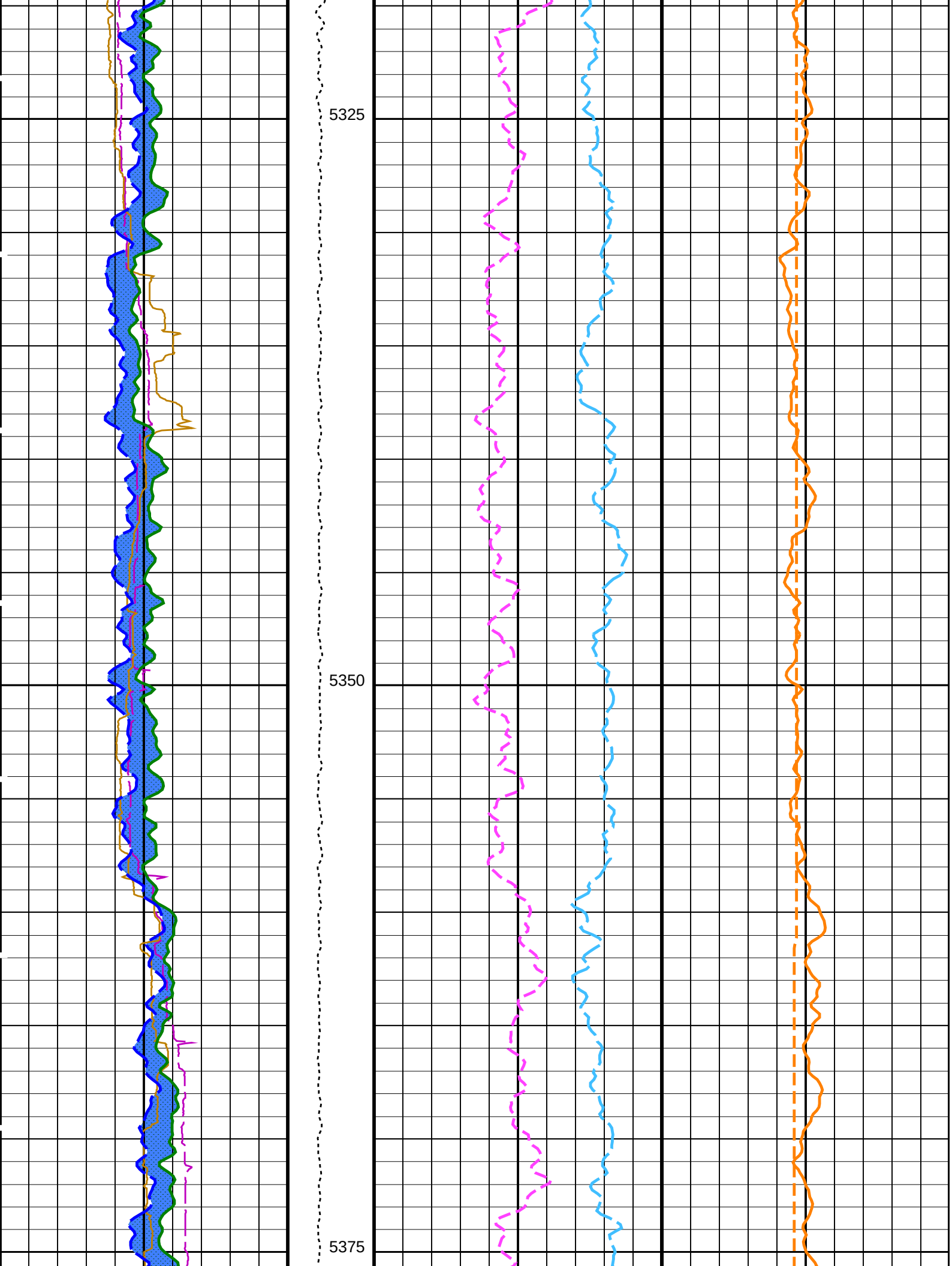
Caliper 1 (C1)
6 (IN) 16

Tension (TENS) (LBF)
10000 0

HNGS Thorium (HTHO)
−1 (PPM) 14

HNGS Potassium (HFK)
−0.01 (−−−−) 0.04

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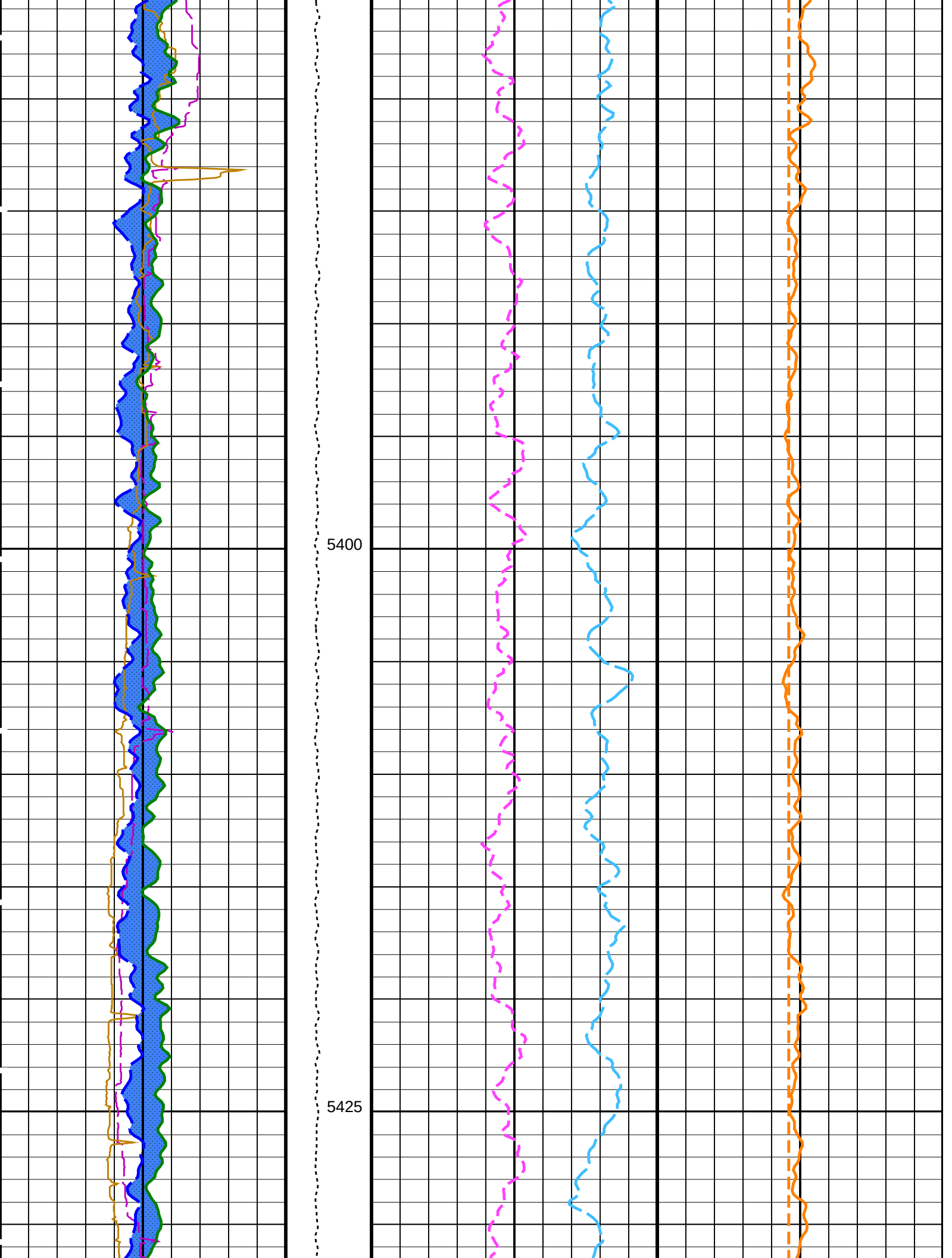
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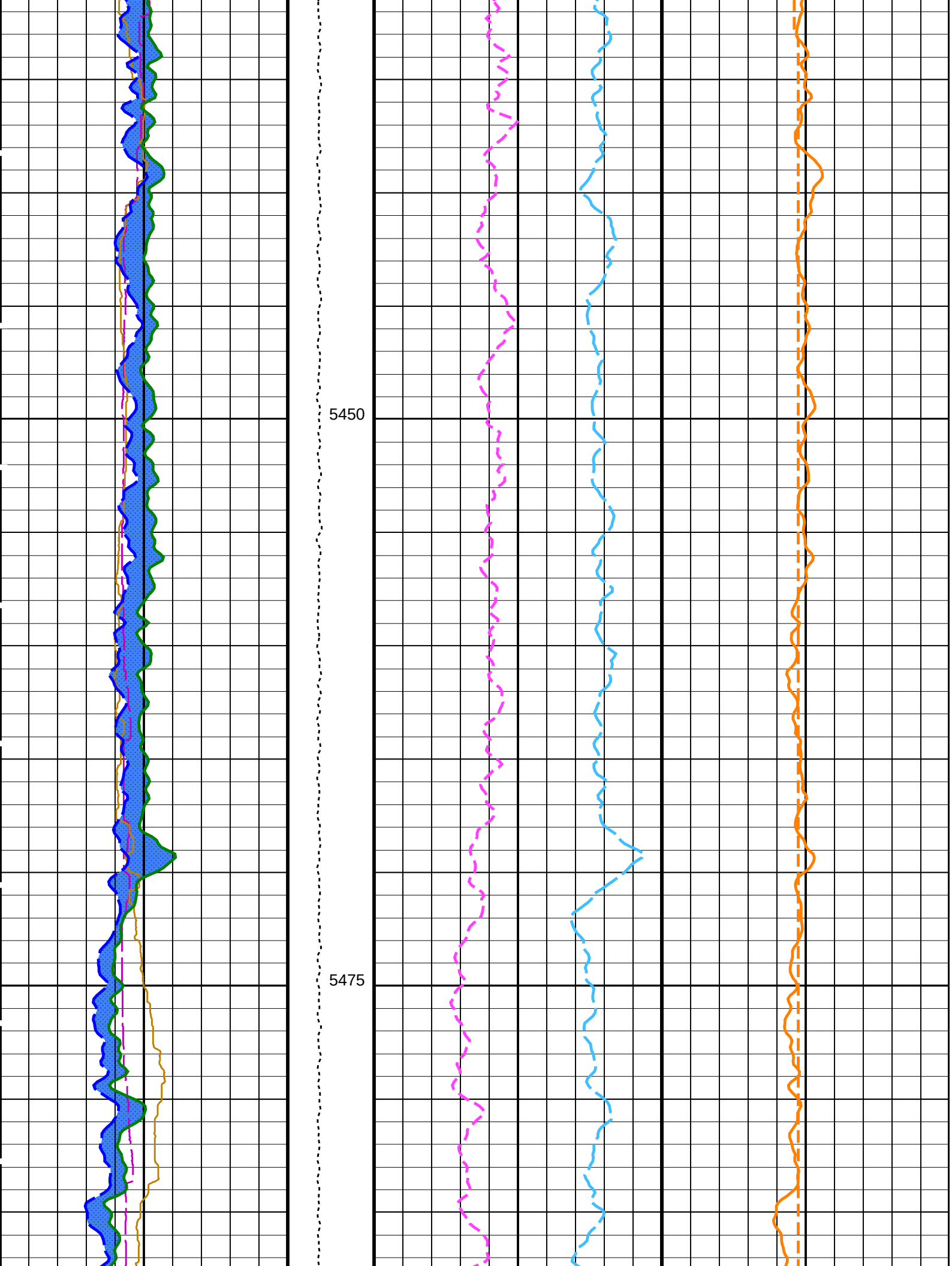
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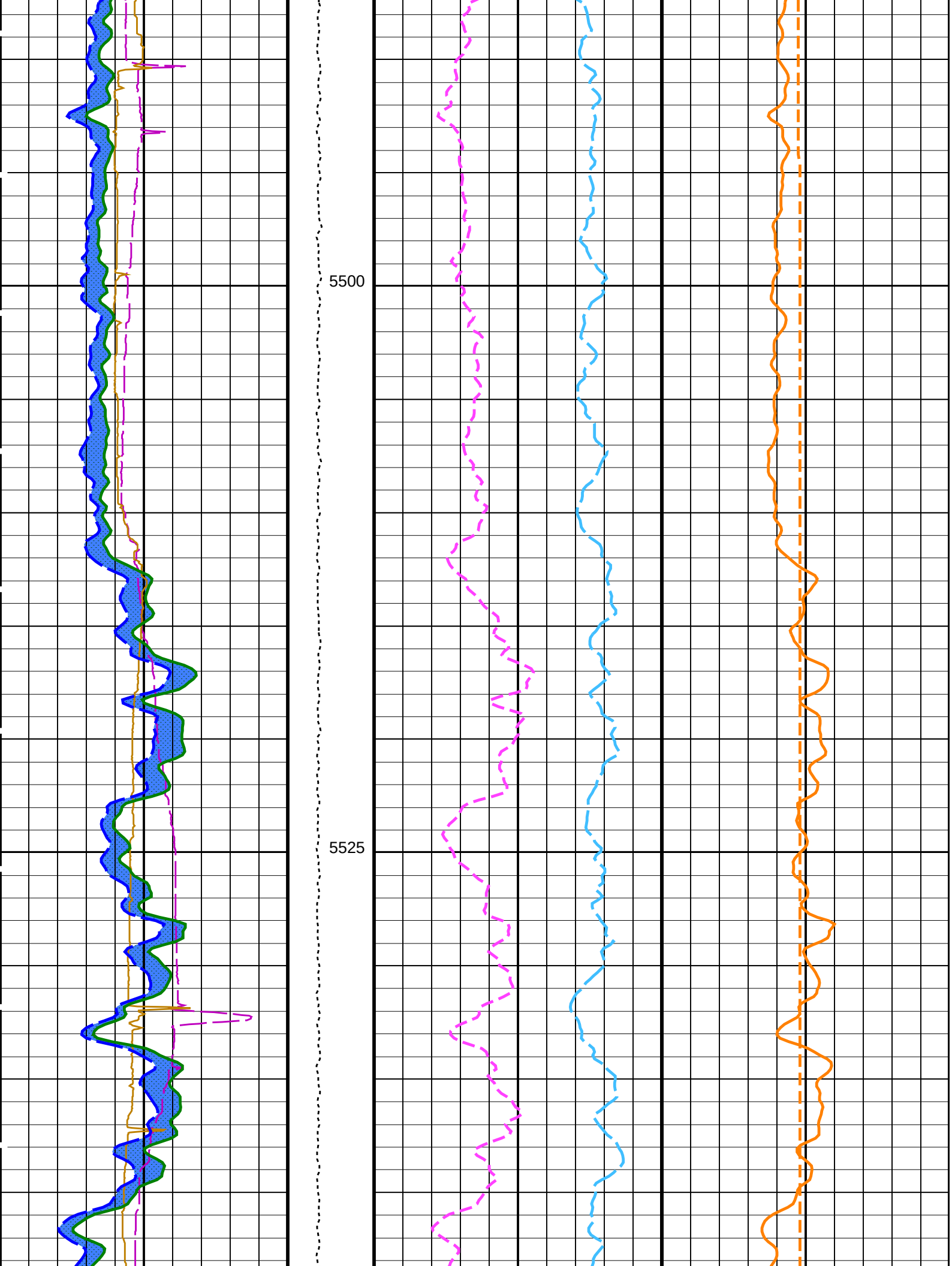
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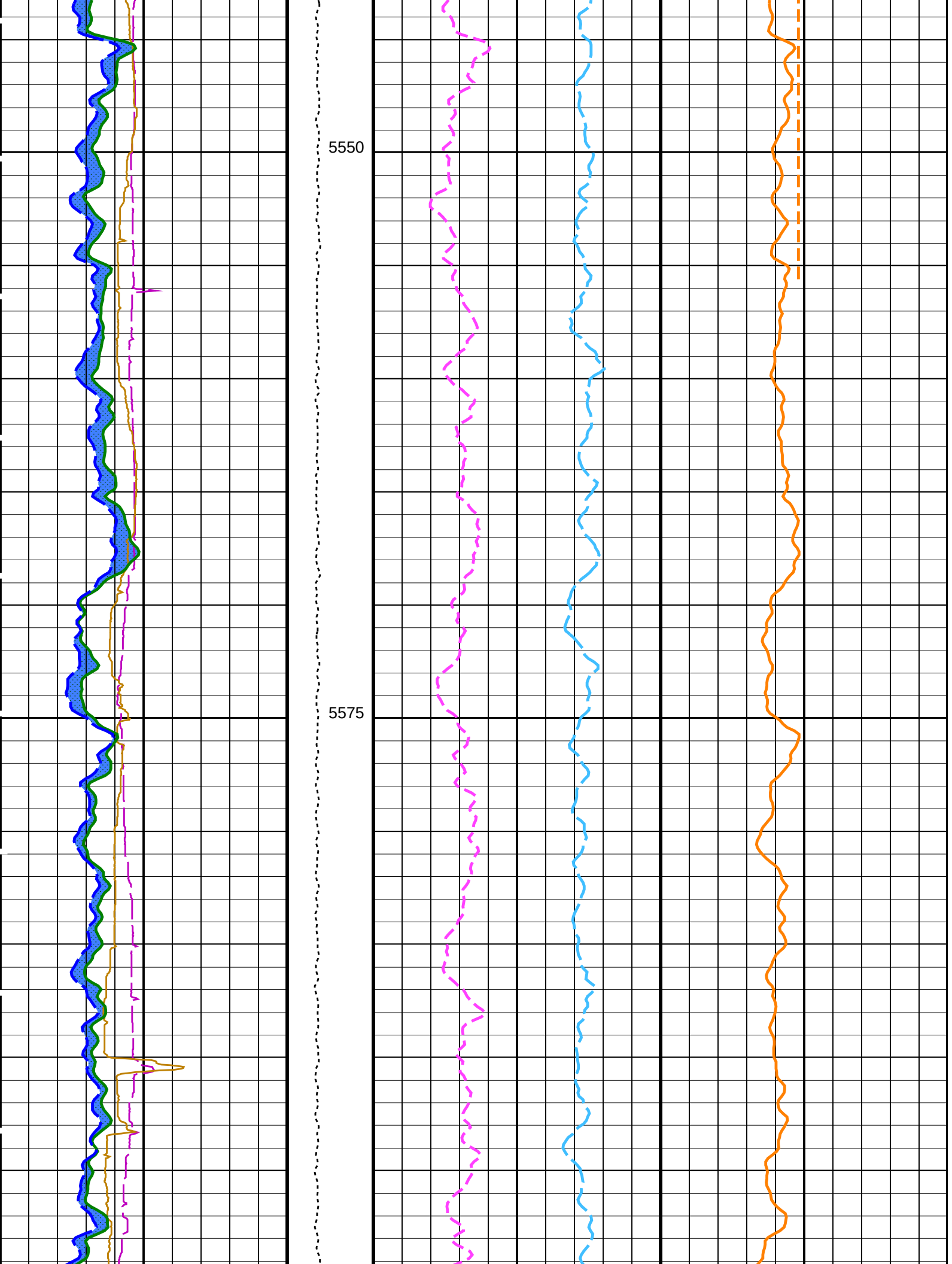
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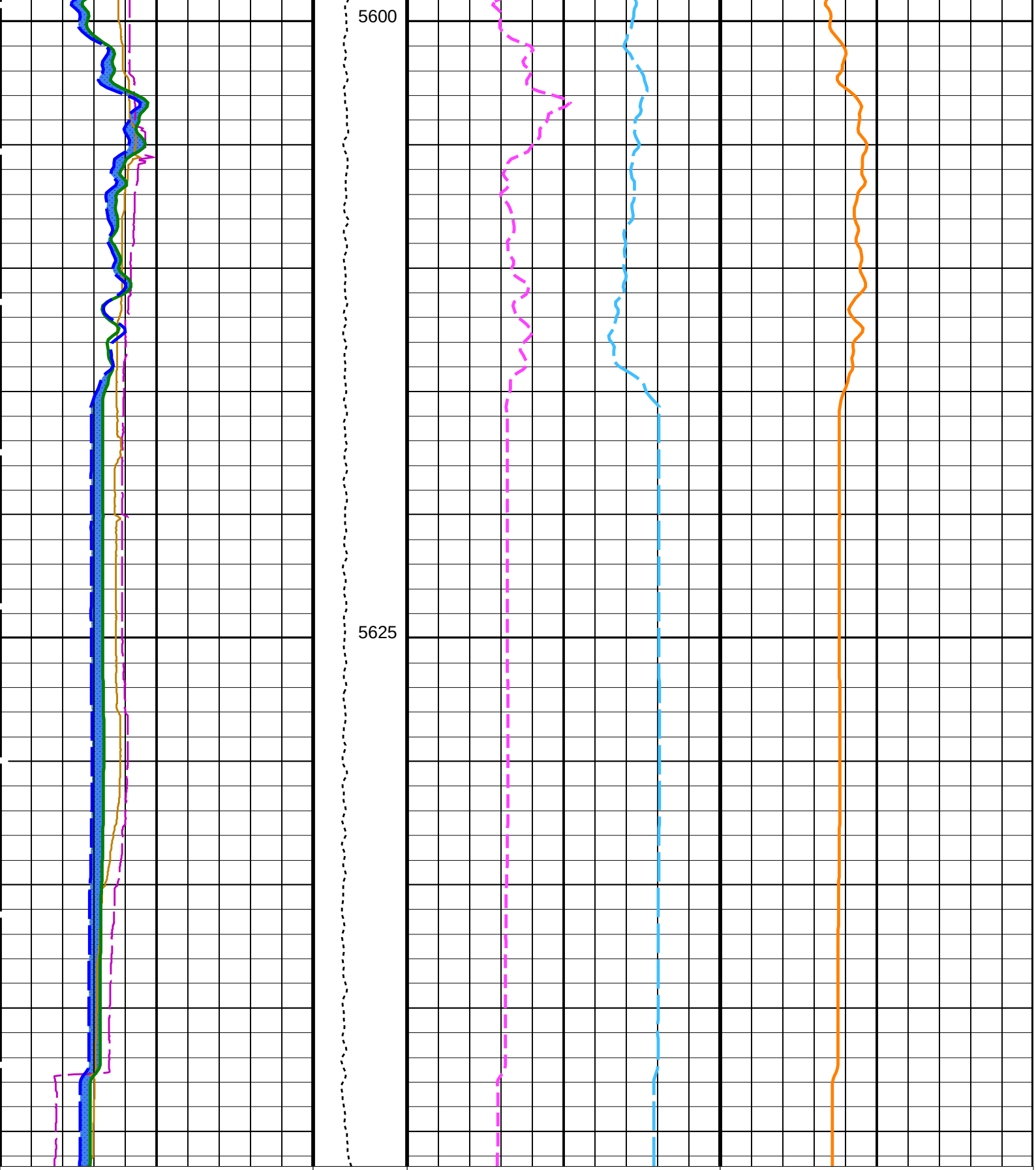


Caliper 1 (C1)
6 (IN) 16

Caliper 2 (C2)
6 (IN) 16

HNGS Computed Gamma Ray (HCGR)
0 (GAPI) 100

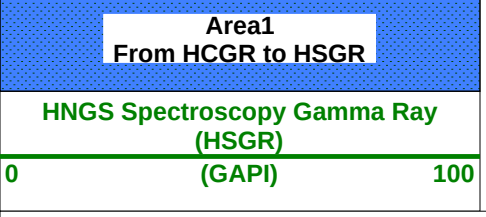
Tension (TENS) (LBF)
10000 0

HNGS Thorium (HTHO)
−1 (PPM) 14

HNGS Uranium (HURA)
−5 (PPM) 10

HNGS Potassium (HFK)
−0.01 (−−−−) 0.04

HNGS Borehole Potassium (HBHK)
−0.05 (−−−−) 0.05



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	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	−0.00407815	
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	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma−Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.998782	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.991494	
	EDTC−B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 05−May−2022 23:30

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_058LUP	FN:64	PRODUCER	05−May−2022 23:30		
RTB	FMS_DSI_NGS_058LUP	FN:65	PRODUCER	05−May−2022 23:30		

Output DLIS Files

DEFAULT	FMS_DSI_NGS_058LUP	FN:64	PRODUCER	05−May−2022 23:30	5646.4 M	5287.5 M
RTB	FMS_DSI_NGS_058LUP	FN:65	PRODUCER	05−May−2022 23:30	5646.4 M	5287.5 M

OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

Gamma Ray (GR_EDTC)
0 (GAPI) 150

Caliper 1 (C1)
0 (IN) 20

Caliper 2 (C2)
0 (IN) 20

Bit Size (BS)
0 (IN) 20

Tension (TENS) (LBF)
0 5000

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

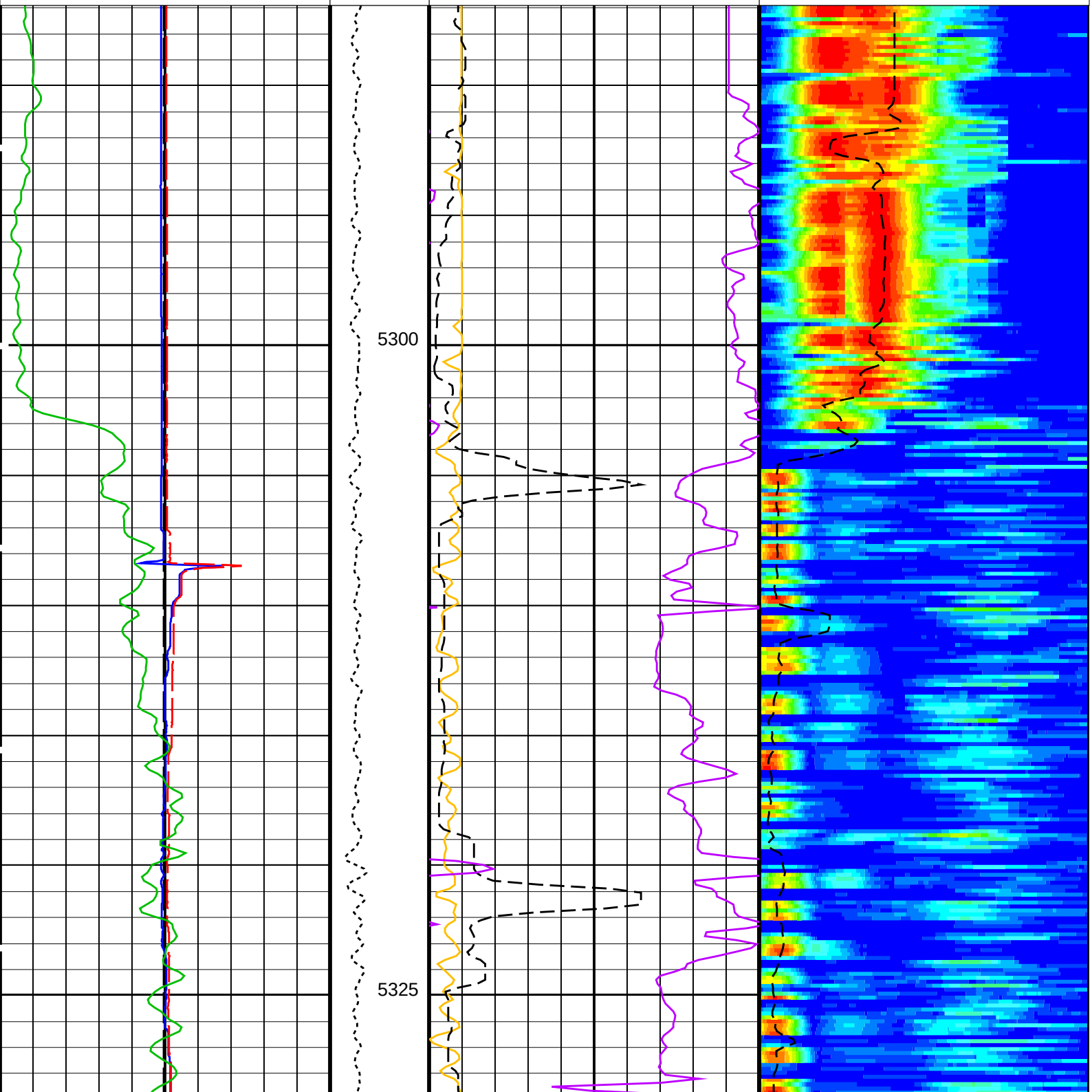
SAM1 Waveform Gain (WFG1)
0 (----) 1000

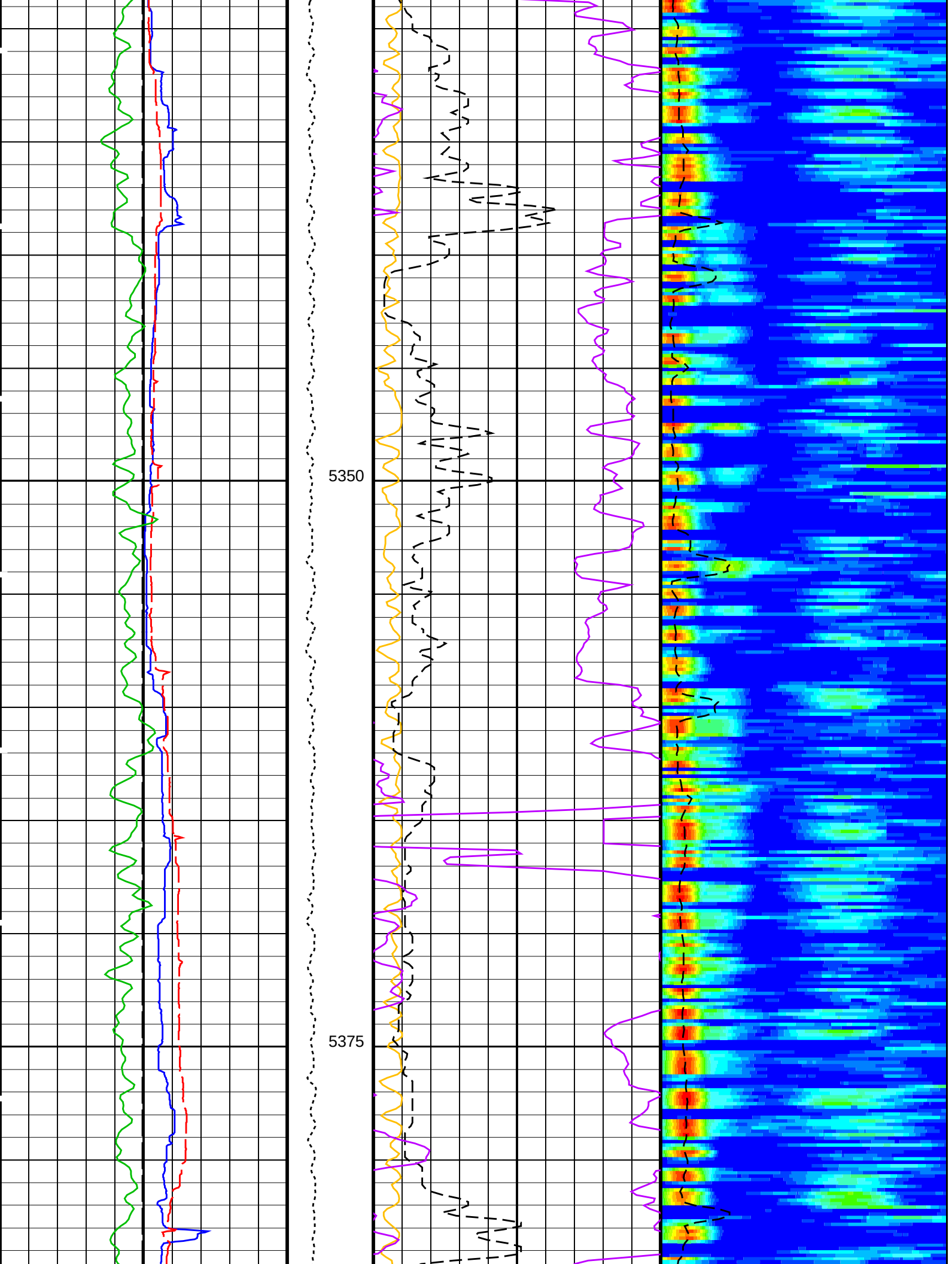
Peak Coherence / RA − Lower Dipole (CHR1)
0 (----) 10

Min Amplitude Max

Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
75 (US/F) 1200

Delta−T Shear / RA − Lower Dipole (DT1R)
75 (US/F) 1200

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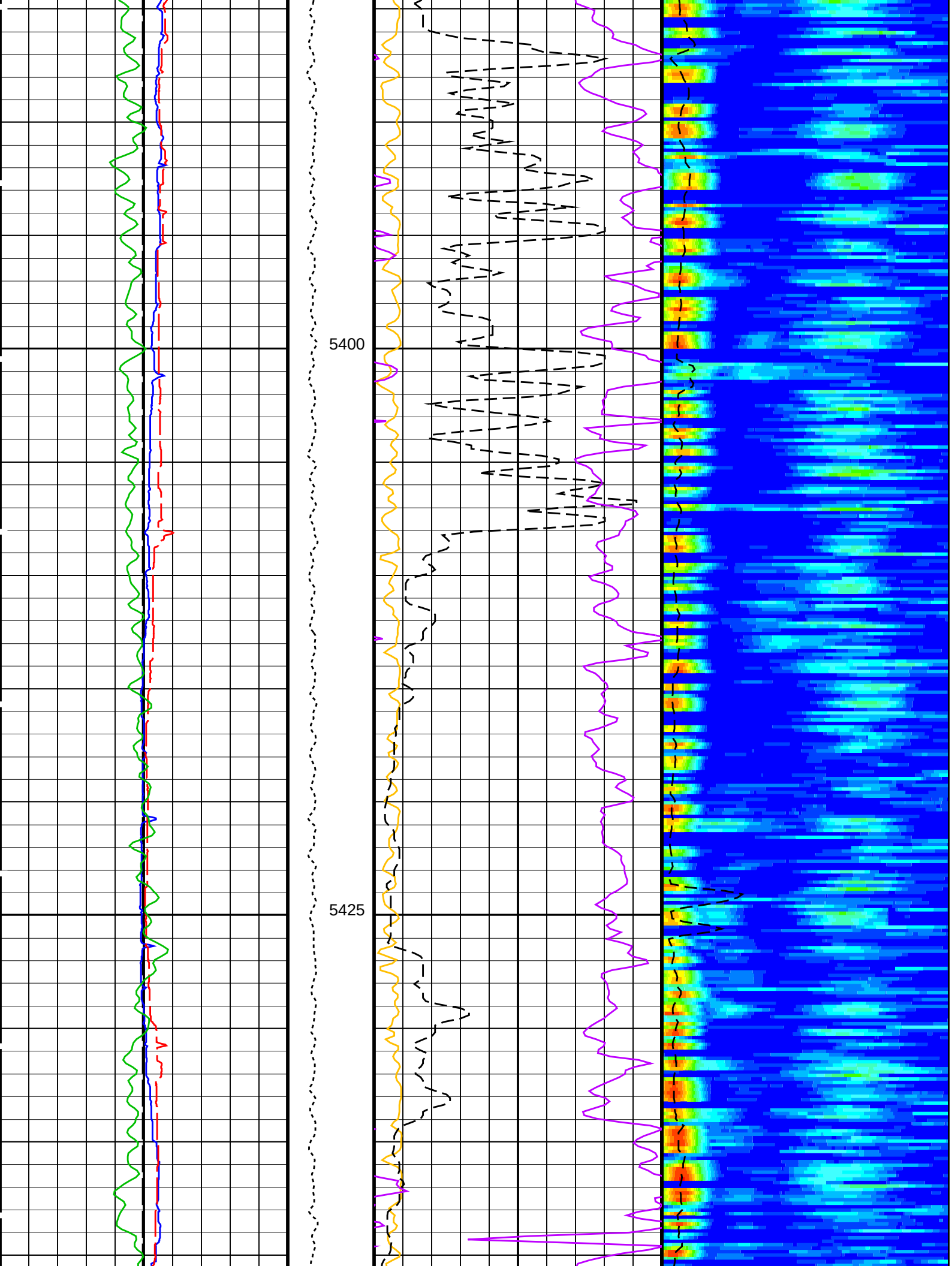
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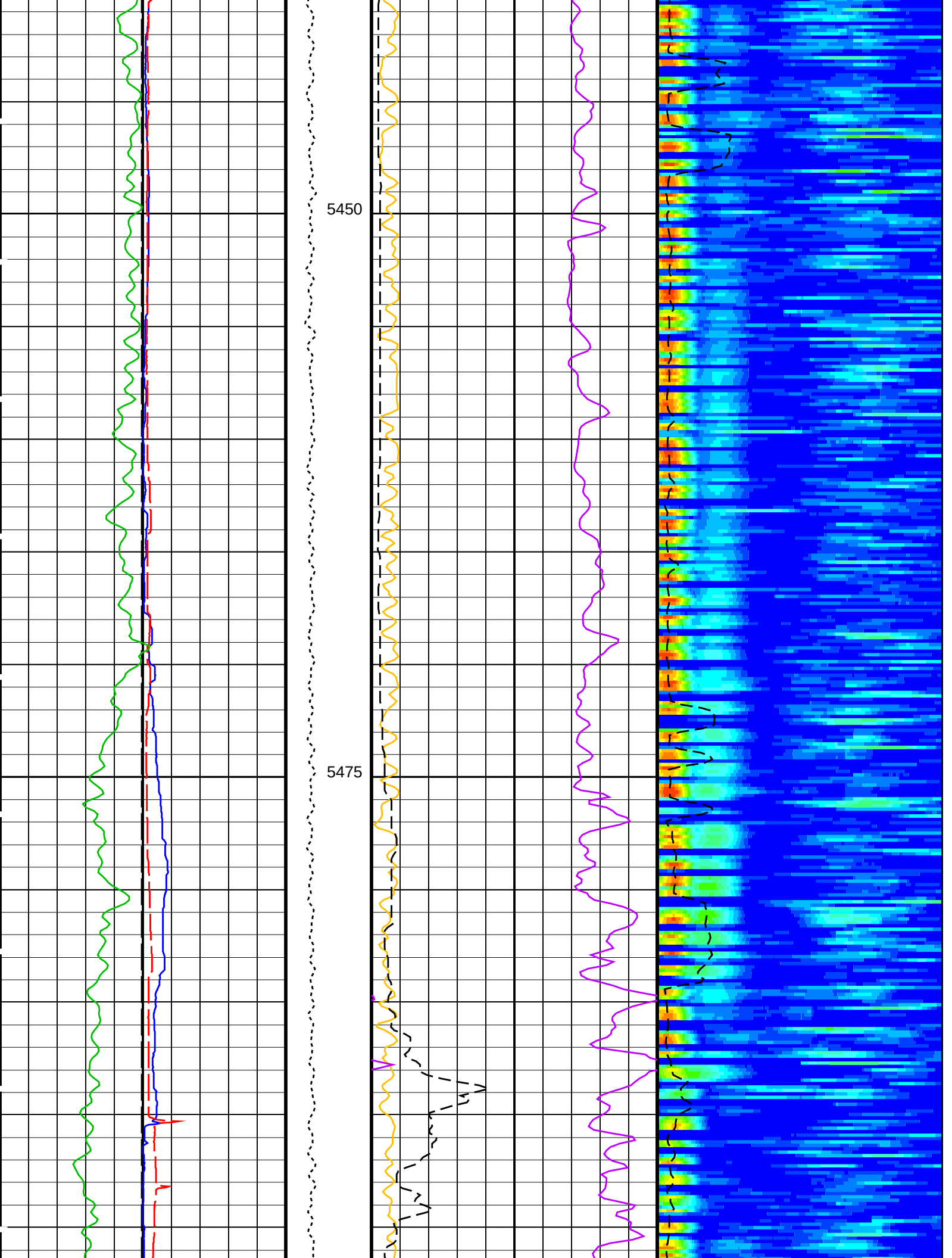
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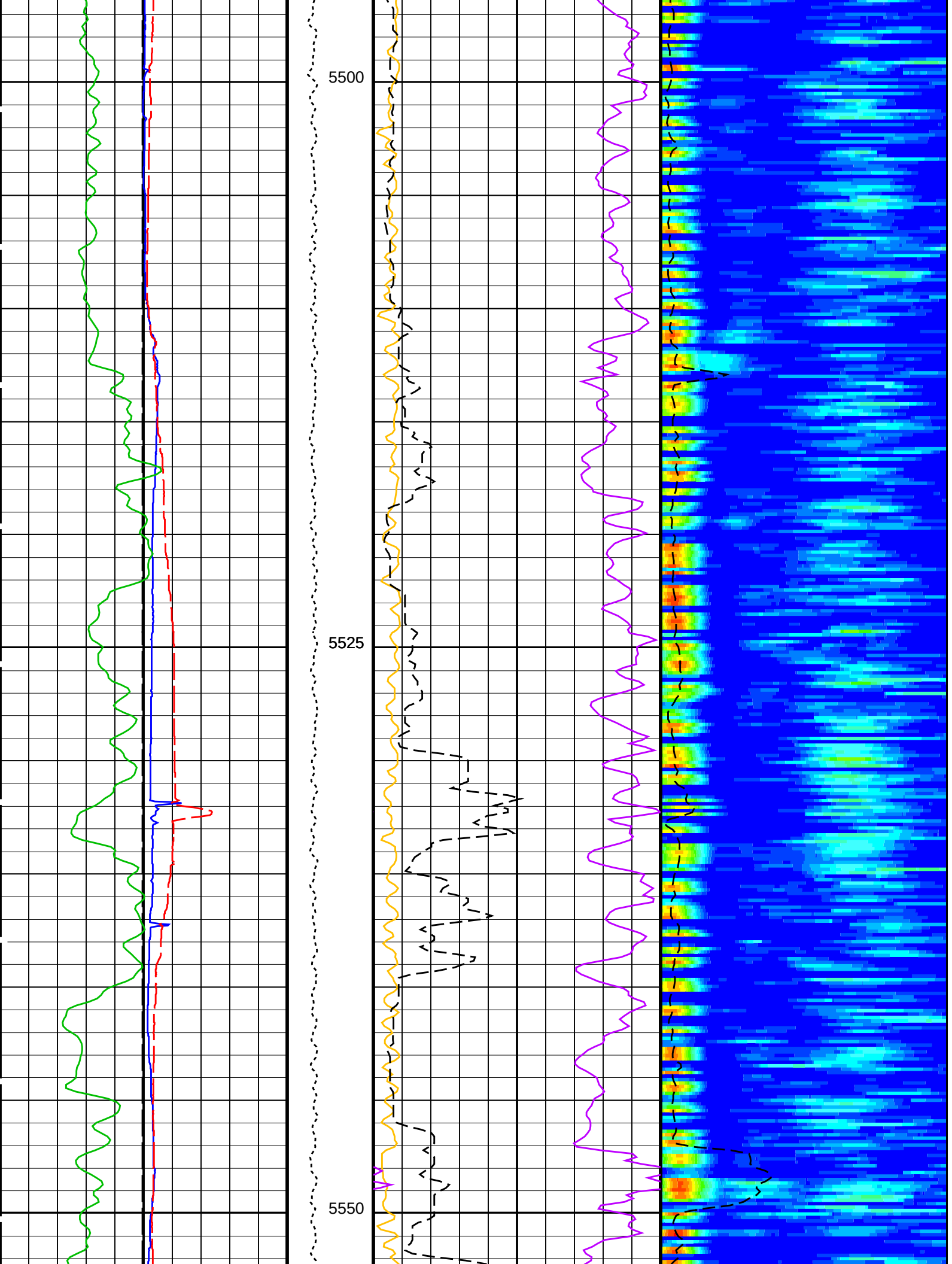
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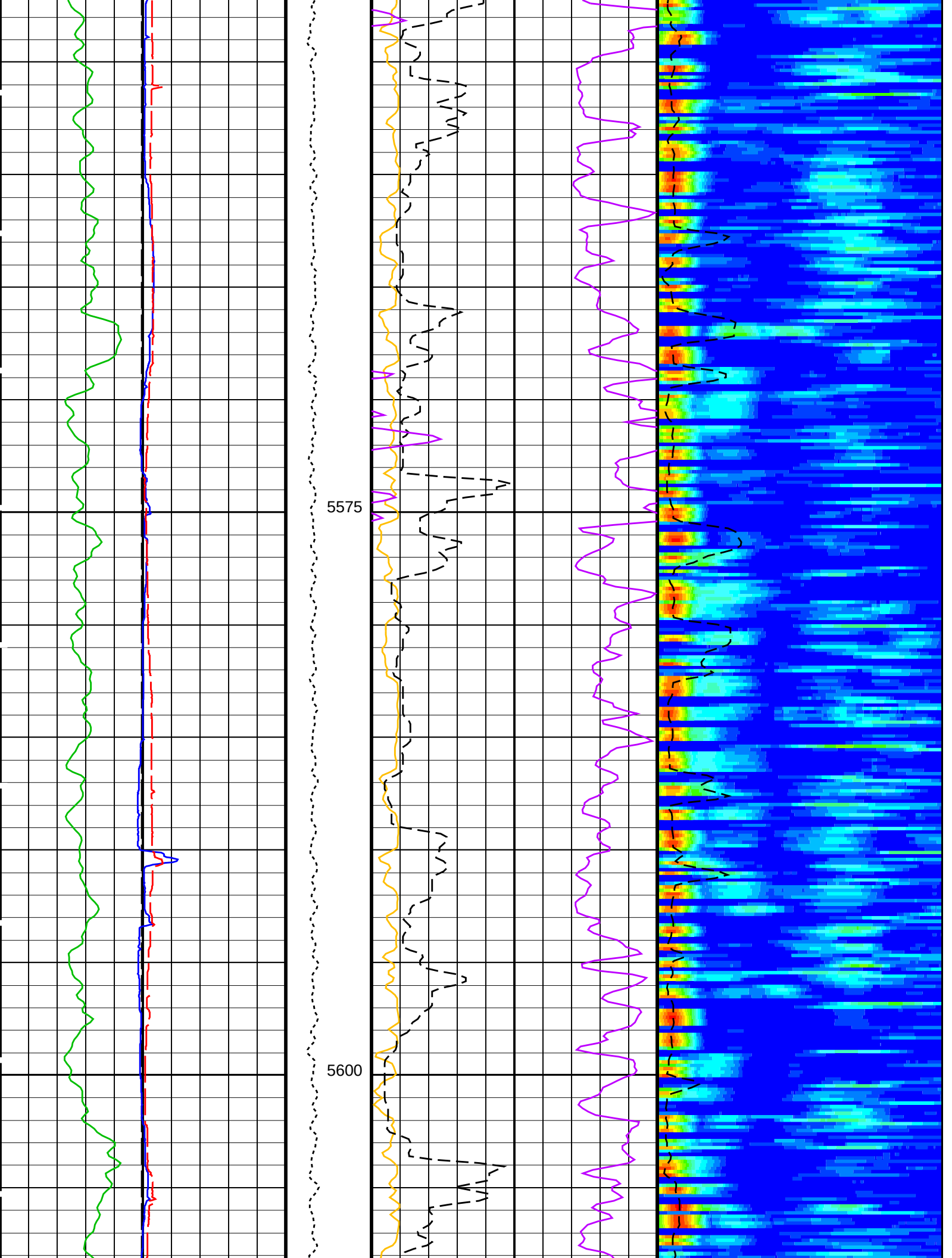
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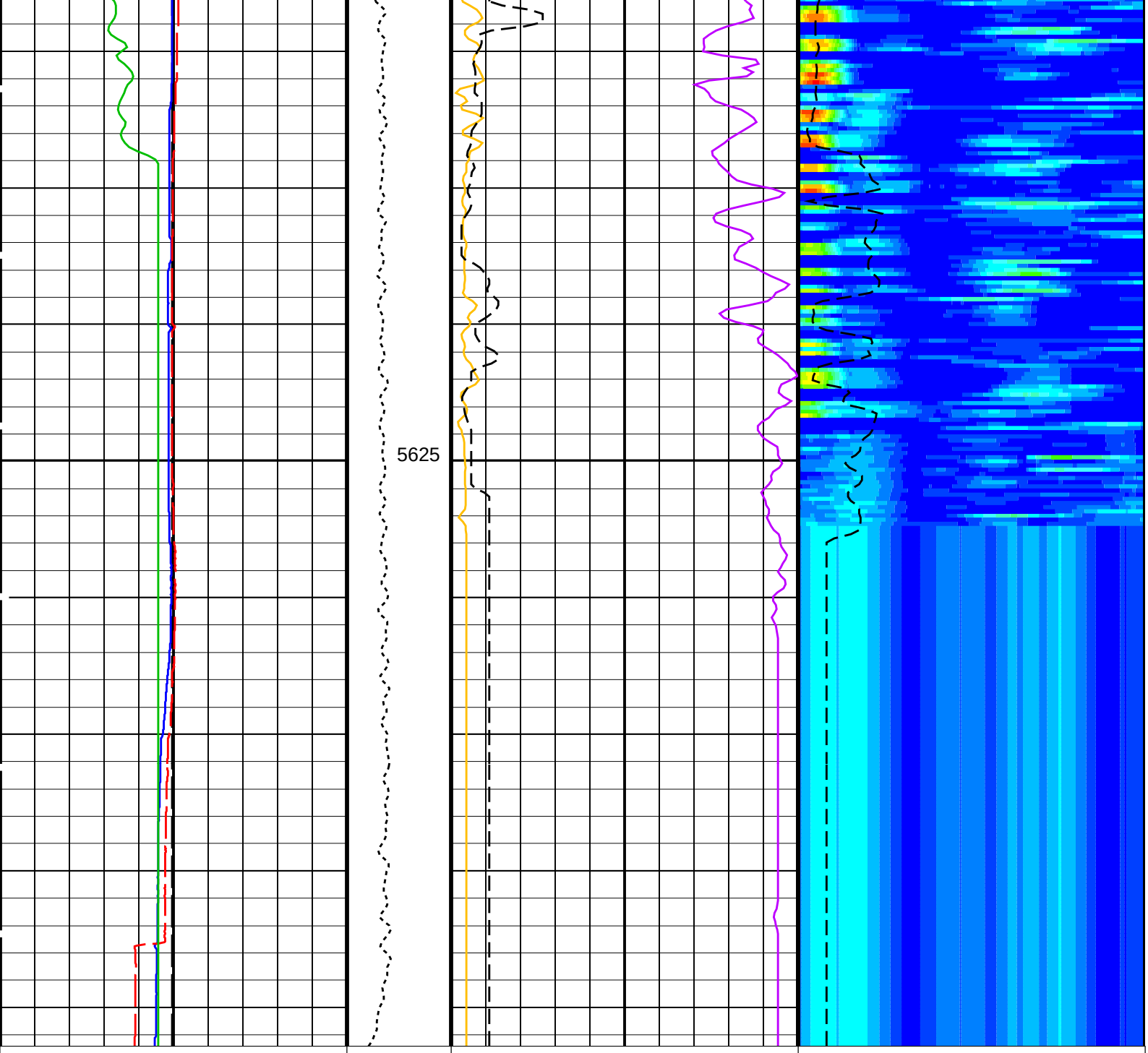


Bit Size (BS)
0 (IN) 20

Caliper 2 (C2)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

Gamma Ray (GR_EDTC)
0 (GAPI) 150

Tension (TENS) (LBF)
0 5000

Peak Coherence / RA − Lower Dipole (CHR1)
0 (−−−−) 10

SAM1 Waveform Gain (WFG1)
0 (−−−−) 1000

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

Delta−T Shear / RA − Lower Dipole (DT1R)
75 (US/F) 1200

Min Amplitude Max

Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
75 (US/F) 1200

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value

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	50	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1000	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	40	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	1400	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

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 05−May−2022 23:30

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_058LUP	FN:64	PRODUCER	05−May−2022 23:30	
RTB	FMS_DSI_NGS_058LUP	FN:65	PRODUCER	05−May−2022 23:30	

Company: International Ocean Discovery Program Well: Expedition 390, Site U1556B

Output DLIS Files

DEFAULT	FMS_DSI_NGS_058LUP	FN:64	PRODUCER	05−May−2022 23:30	5646.4 M	5287.5 M
RTB	FMS_DSI_NGS_058LUP	FN:65	PRODUCER	05−May−2022 23:30	5646.4 M	5287.5 M

OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

Time Mark Every 60 S

Gamma Ray (GR_EDTC)
0 (GAPI) 150

Caliper 2 (C2)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

Bit Size (BS)
0 (IN) 20

Tension (TENS) (LBF)
0 5000

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

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

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

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

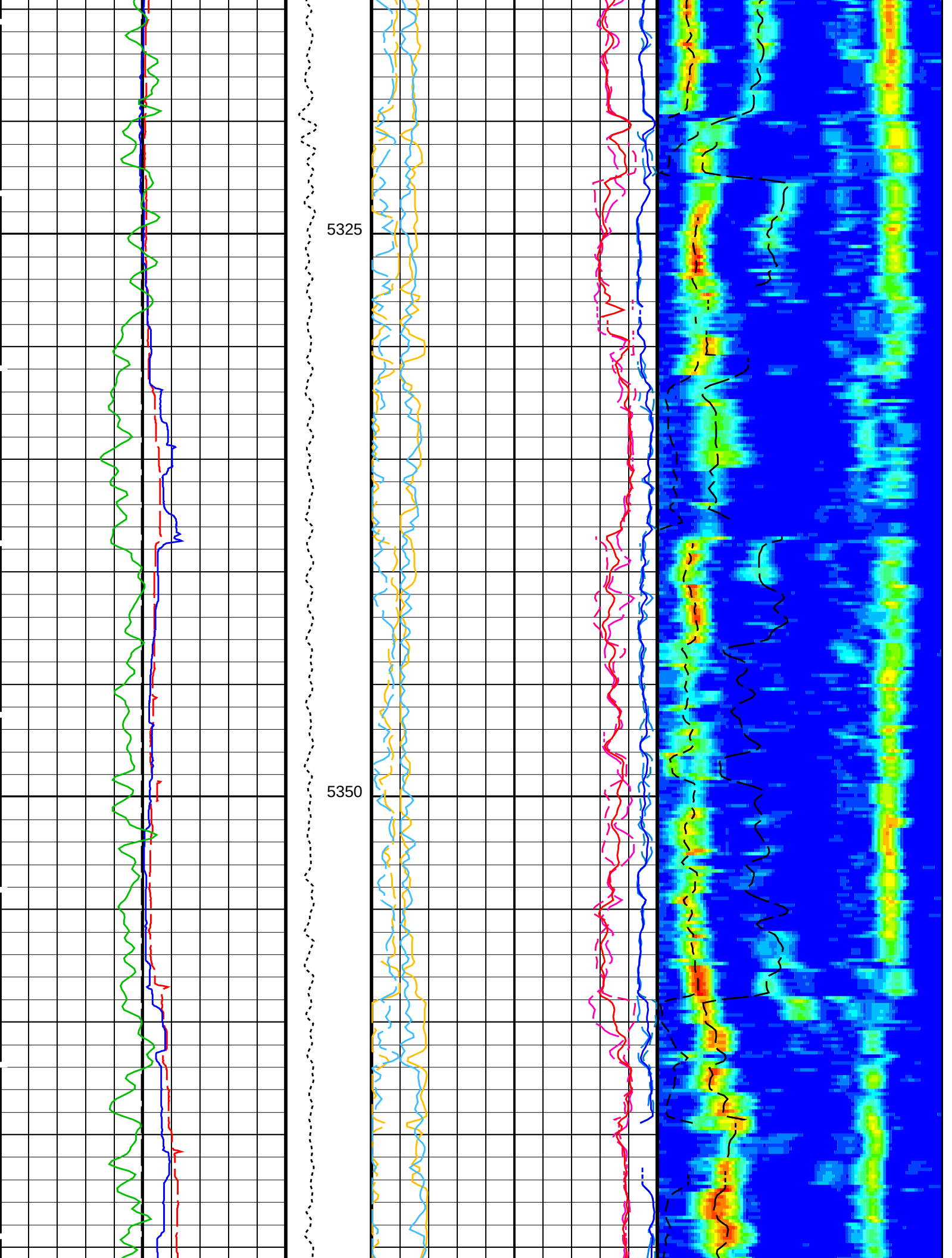
Peak Coherence / RA − P & S Comp (CHRP)
0 (−−−−) 10

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

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

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

5300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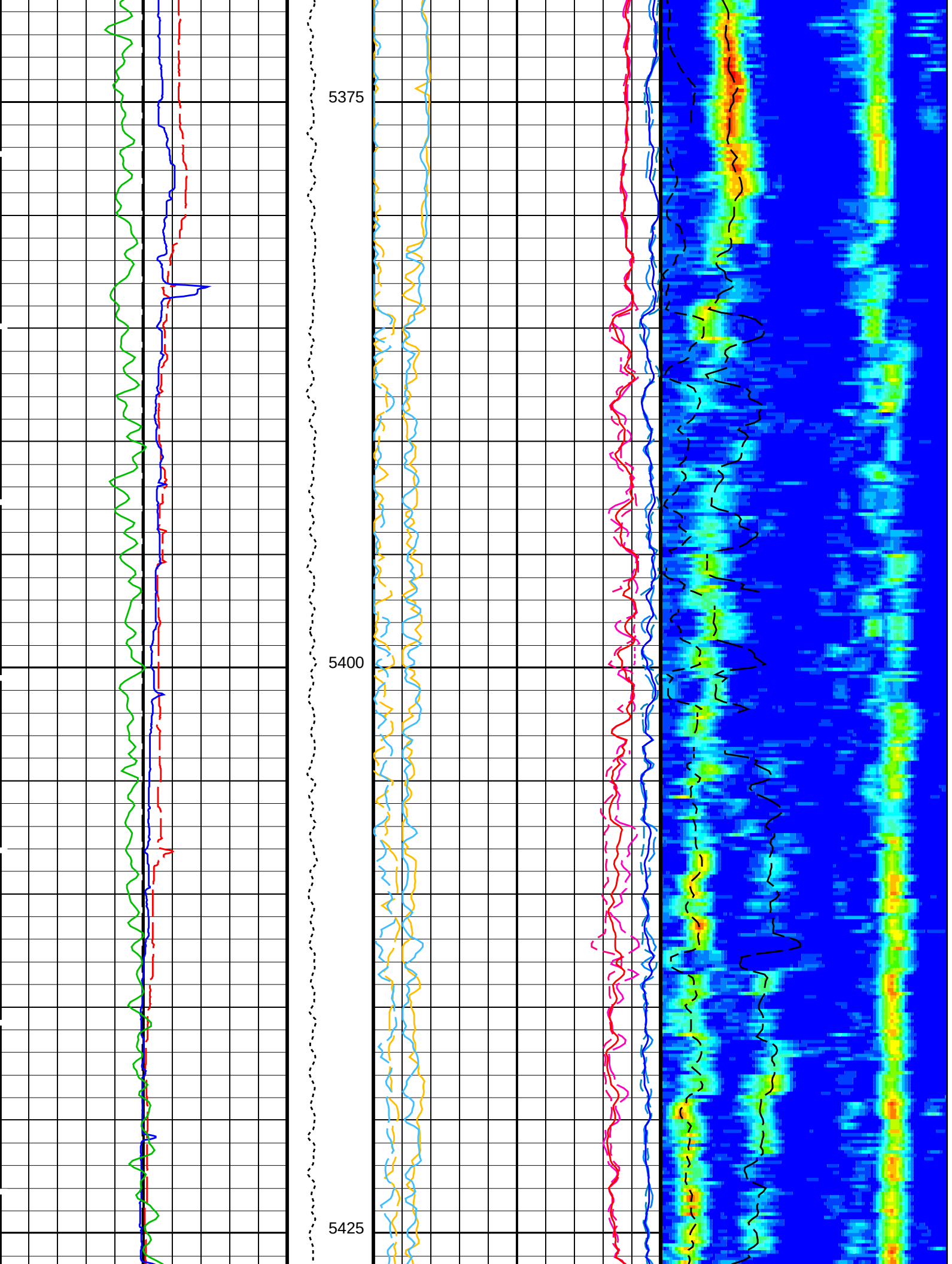
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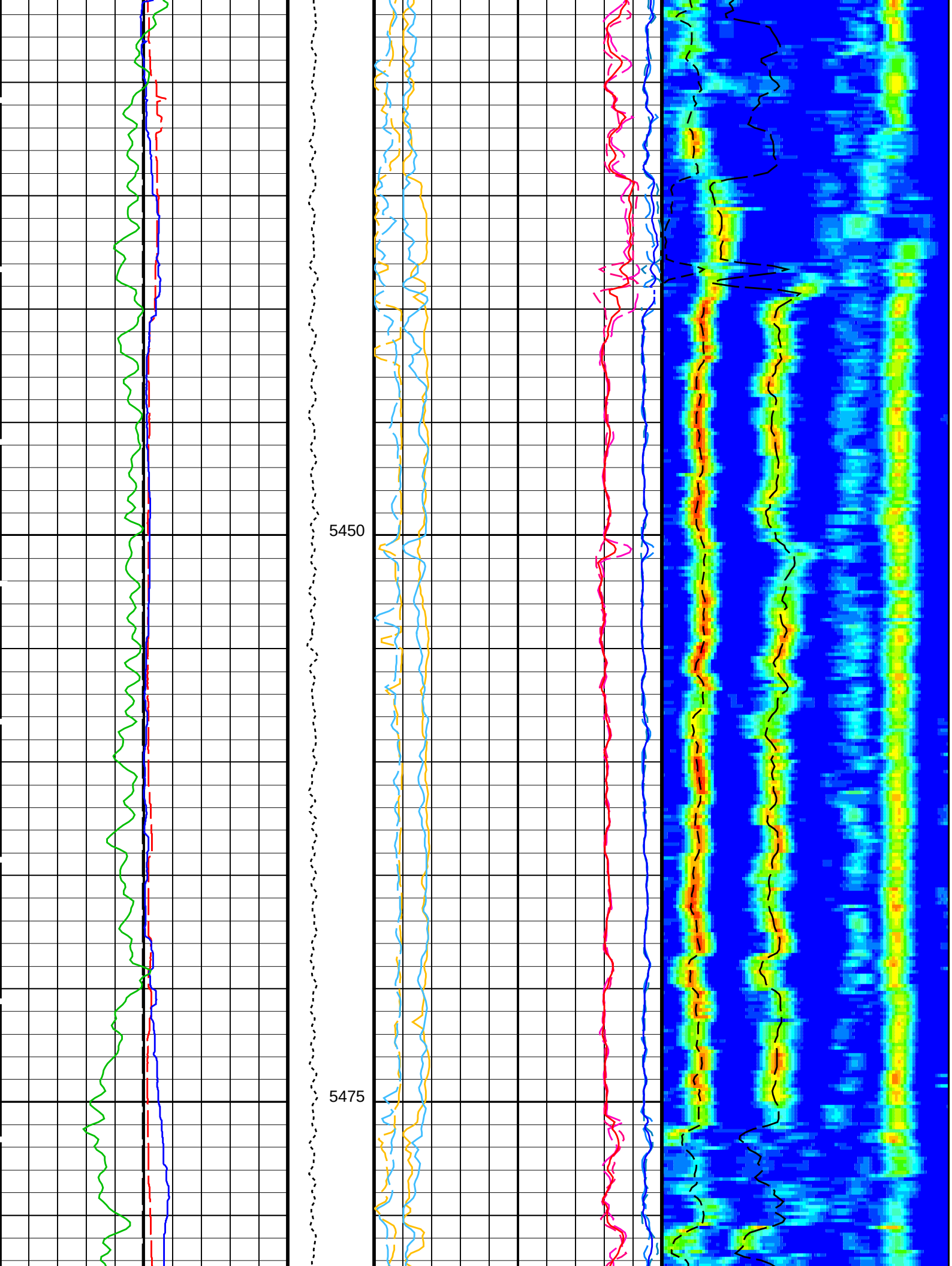
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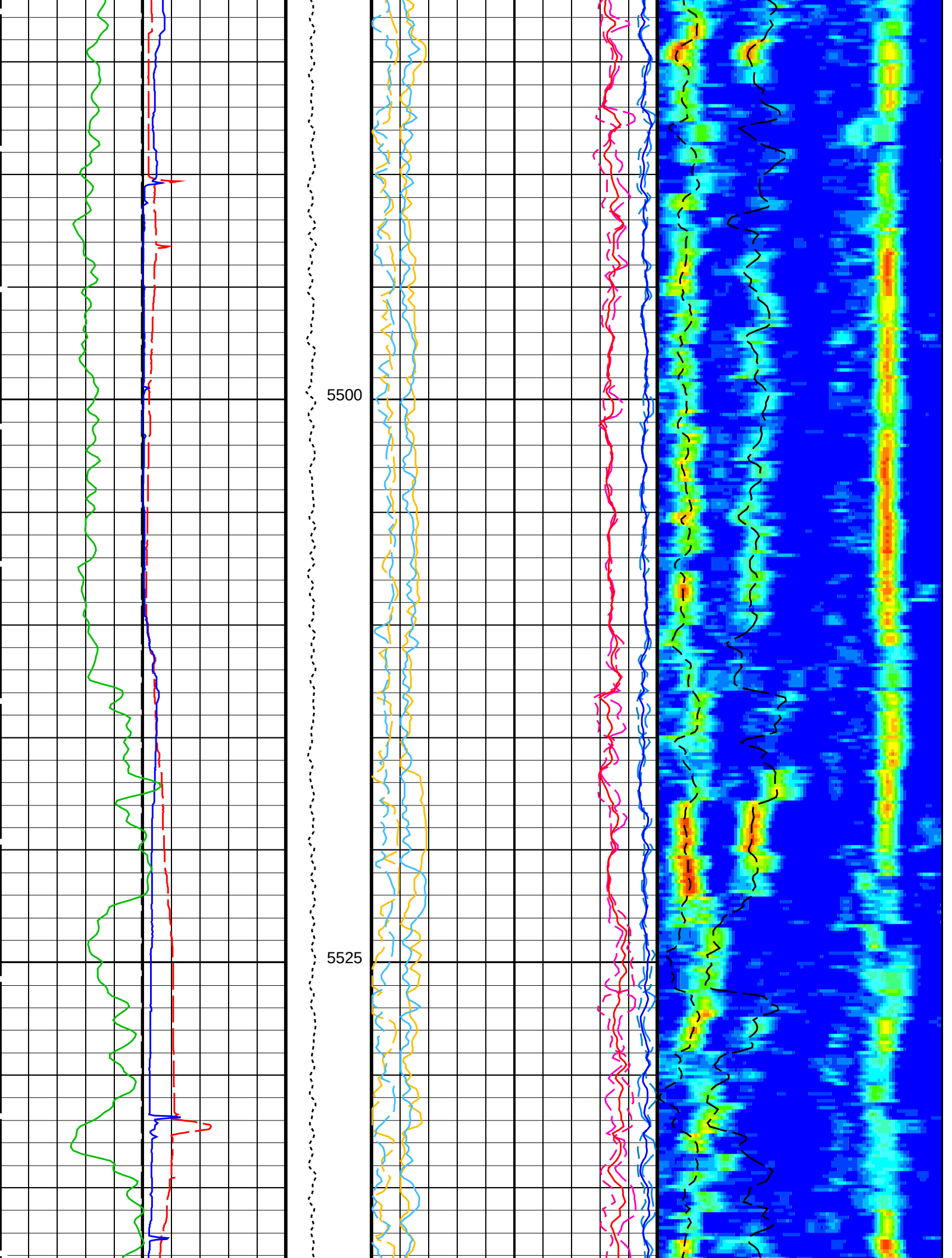
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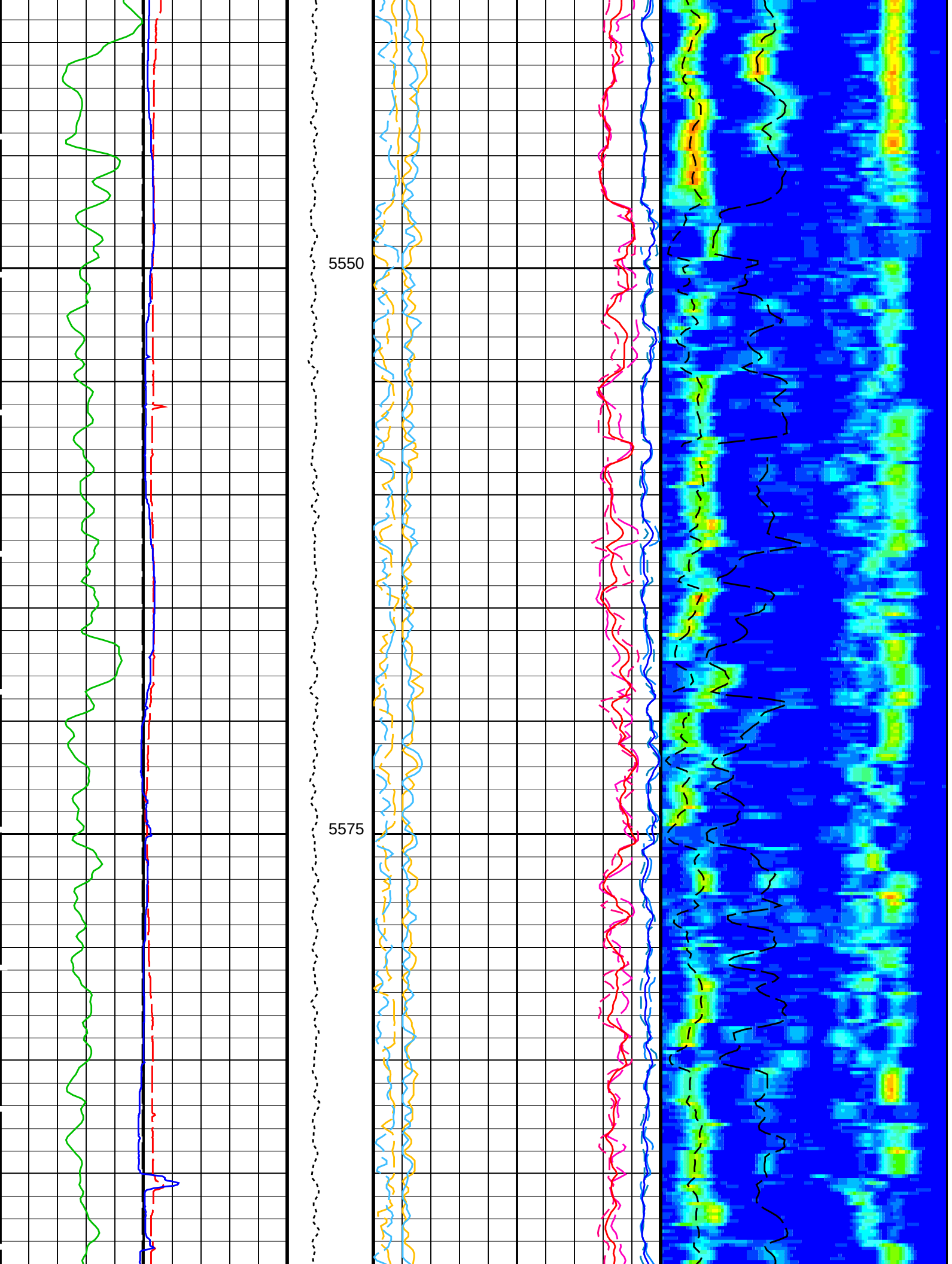
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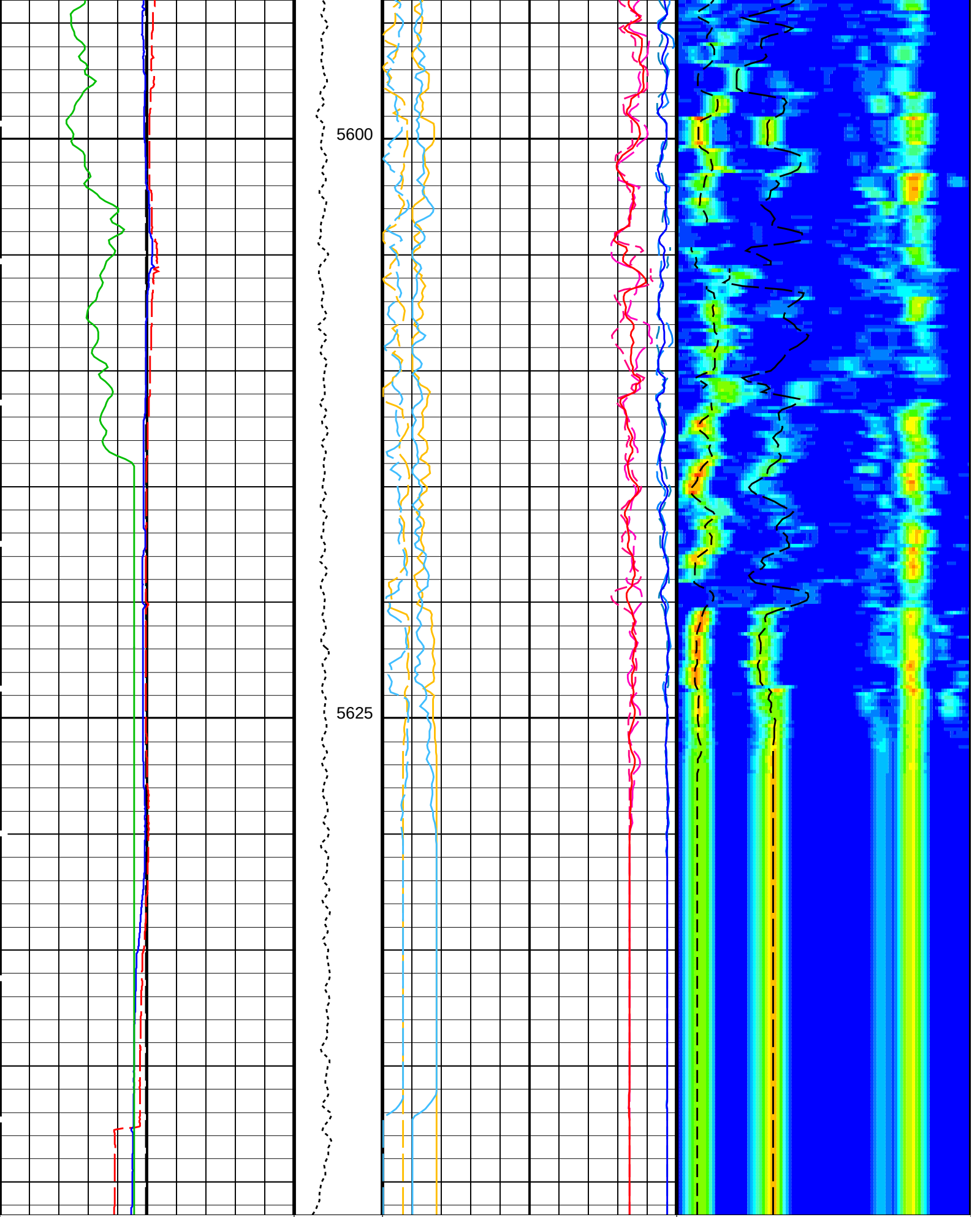
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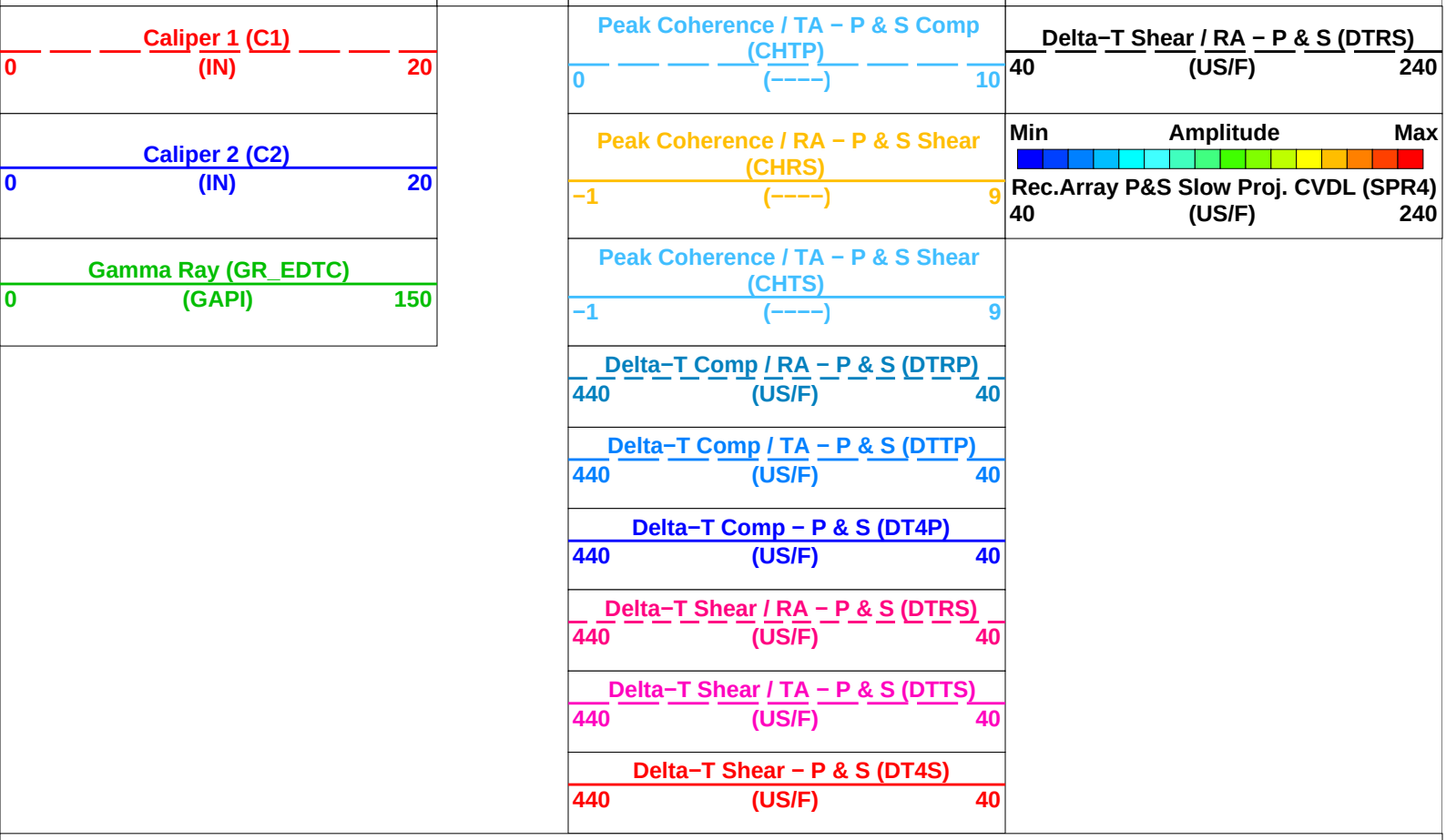
Bit Size (BS)
0
(IN)
20
Tension
(TENS)
(LBF)
0
5000
Peak Coherence / RA − P & S Comp
(CHRP)
0
(----)
10
Delta−T Comp / RA − P & S (DTRP)
40
(US/F)
240



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	40	US/F
COUL	Label Slowness Upper Limit − Monopole P&S Compressional	70	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	212	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	70	US/F
SHUL	Label Slowness Upper Limit − Monopole P&S Shear	140	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	180	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	780	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	
	HNGS−BA: Hostile Natural Gamma Ray Sonde		
BHS	Borehole Status	OPEN	
	EDTC−B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 05−May−2022 23:30

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_058LUP	FN:64	PRODUCER	05−May−2022 23:30	
RTB	FMS_DSI_NGS_058LUP	FN:65	PRODUCER	05−May−2022 23:30	

Company: International Ocean Discovery Program Well: Expedition 390, Site U1556B

Output DLIS Files

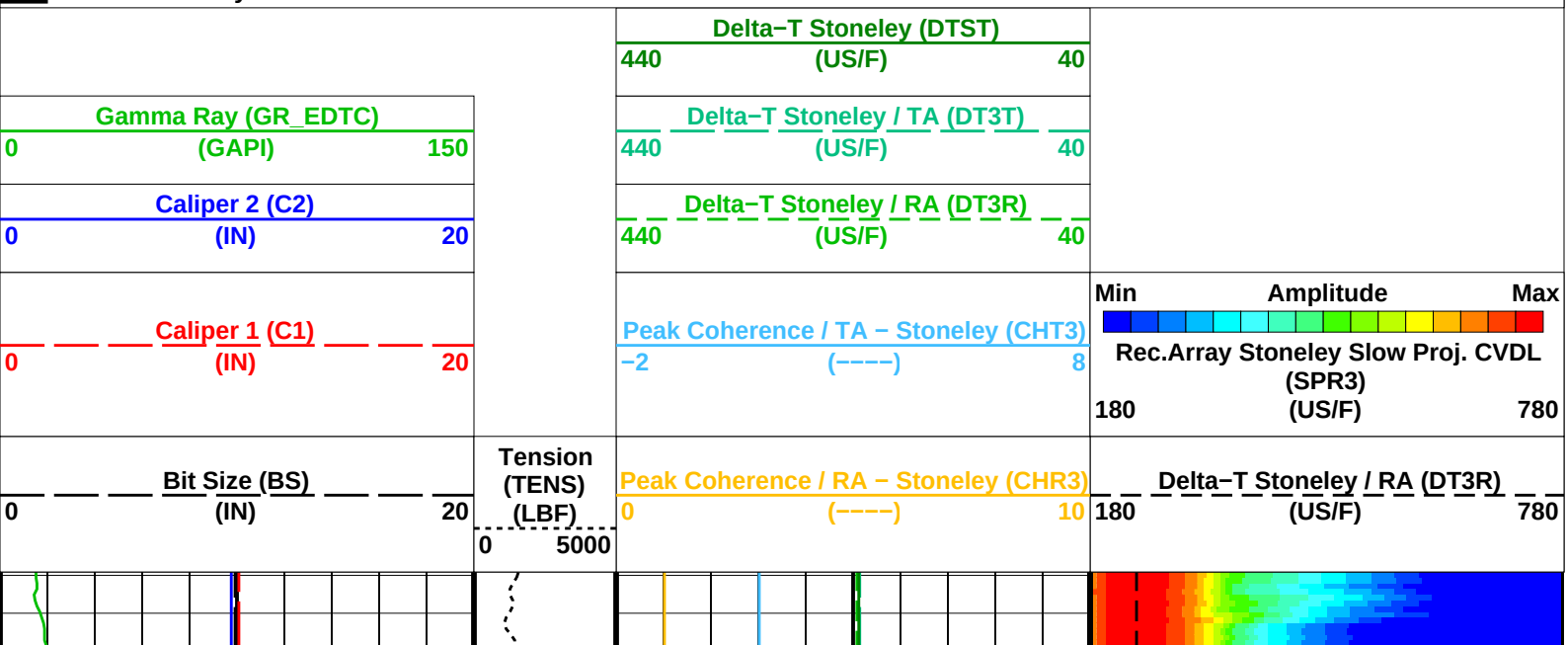
DEFAULT	FMS_DSI_NGS_058LUP	FN:64	PRODUCER	05−May−2022 23:30	5646.4 M	5287.5 M
RTB	FMS_DSI_NGS_058LUP	FN:65	PRODUCER	05−May−2022 23:30	5646.4 M	5287.5 M

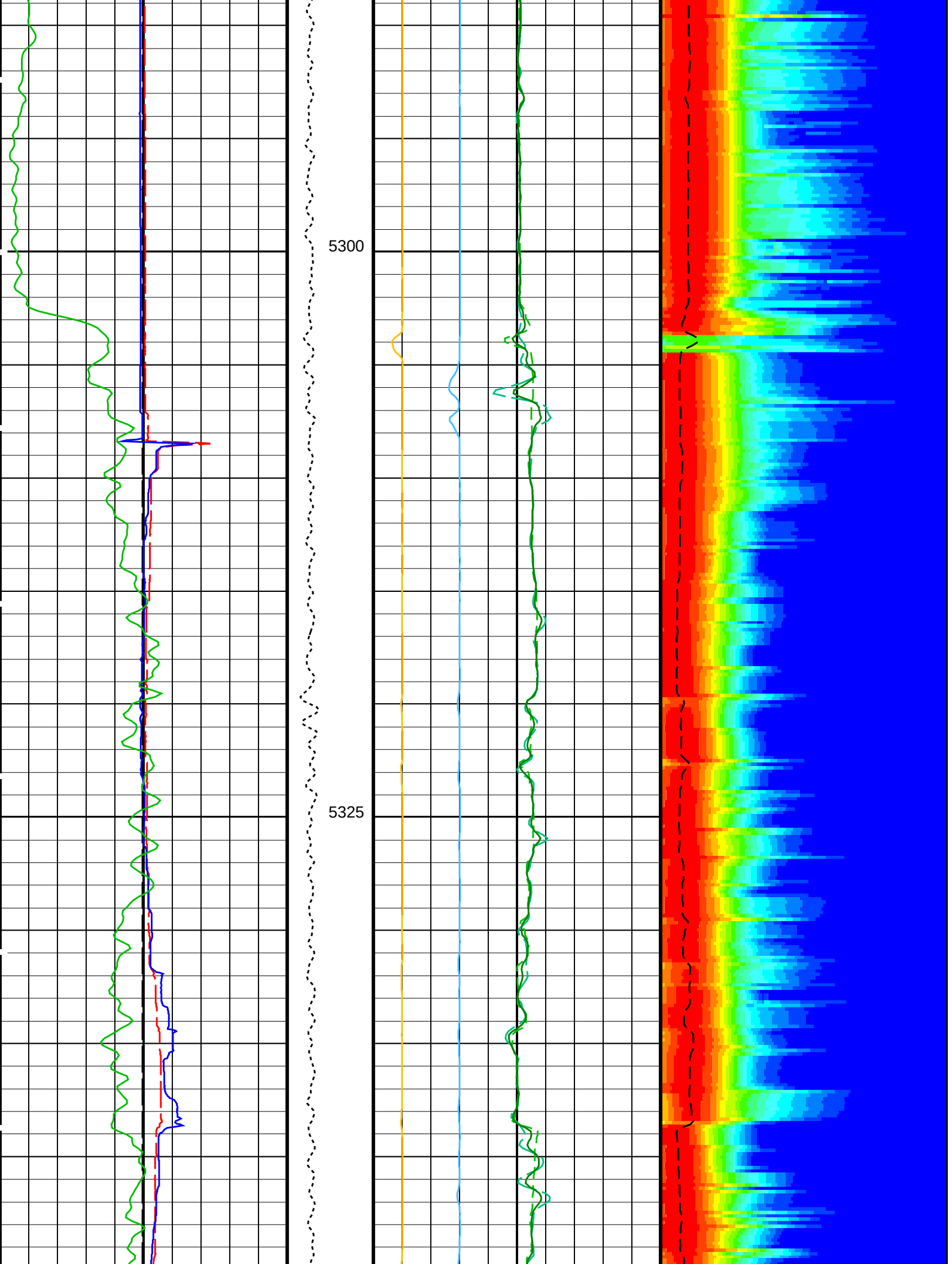
OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

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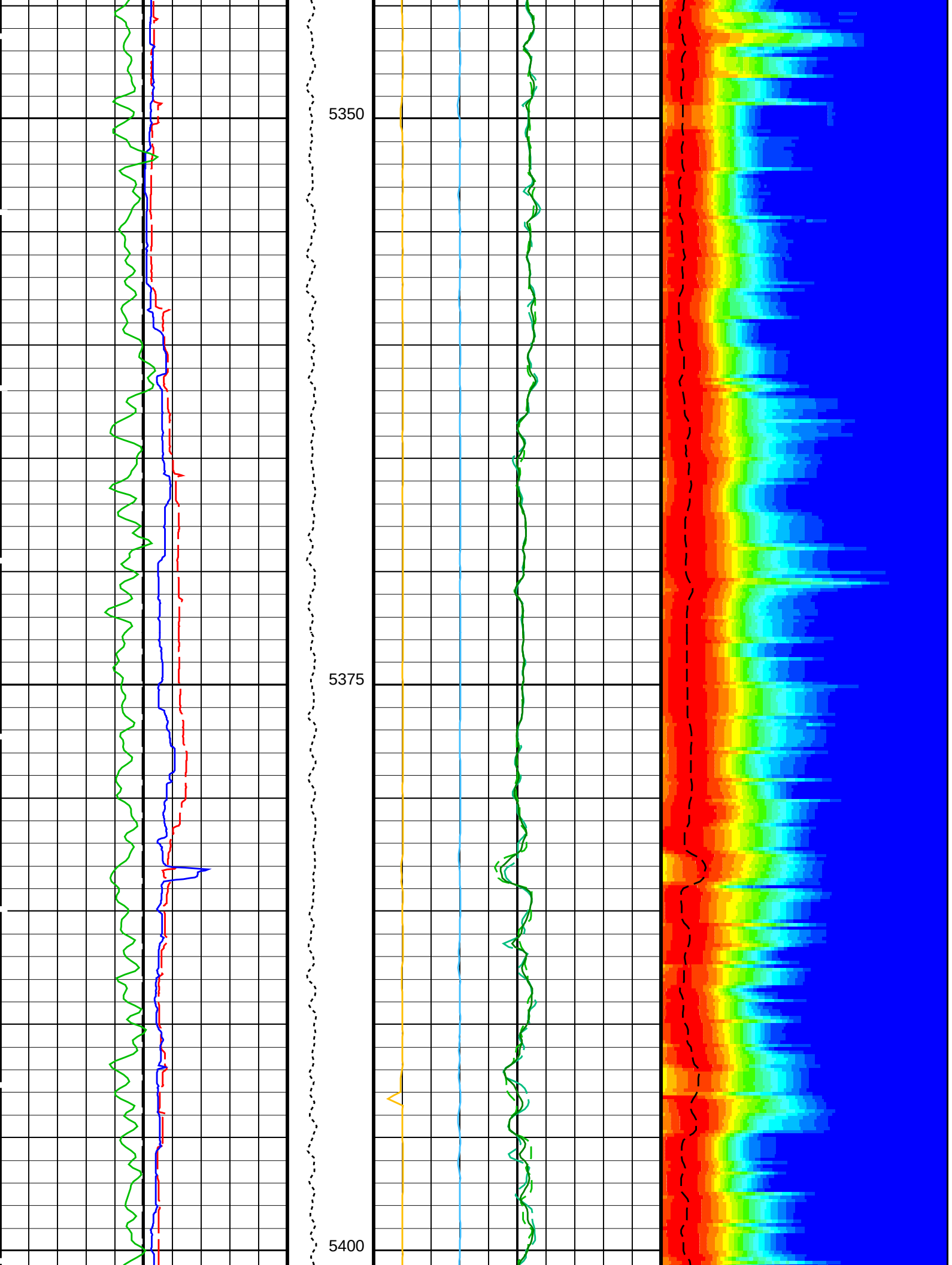
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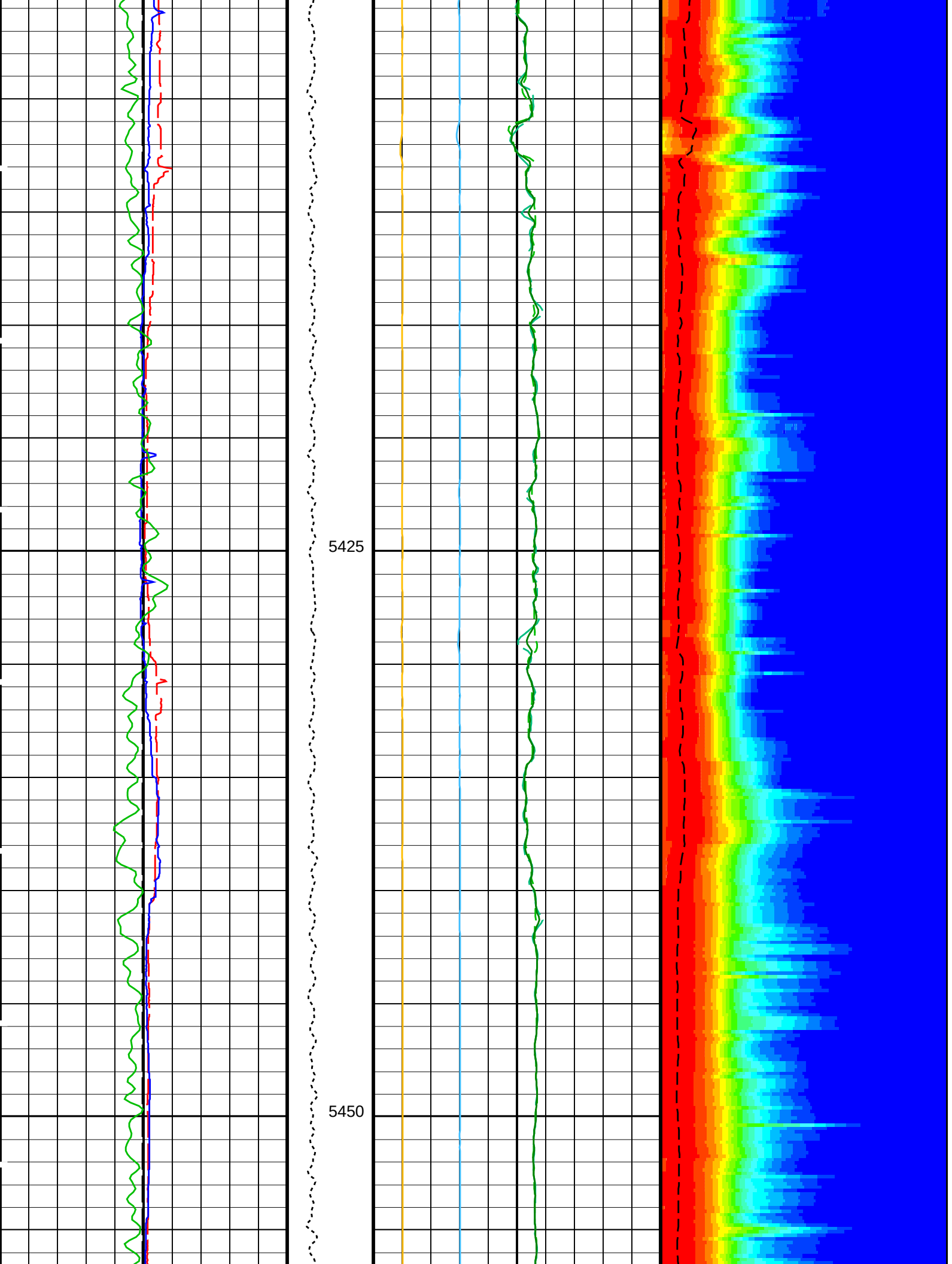
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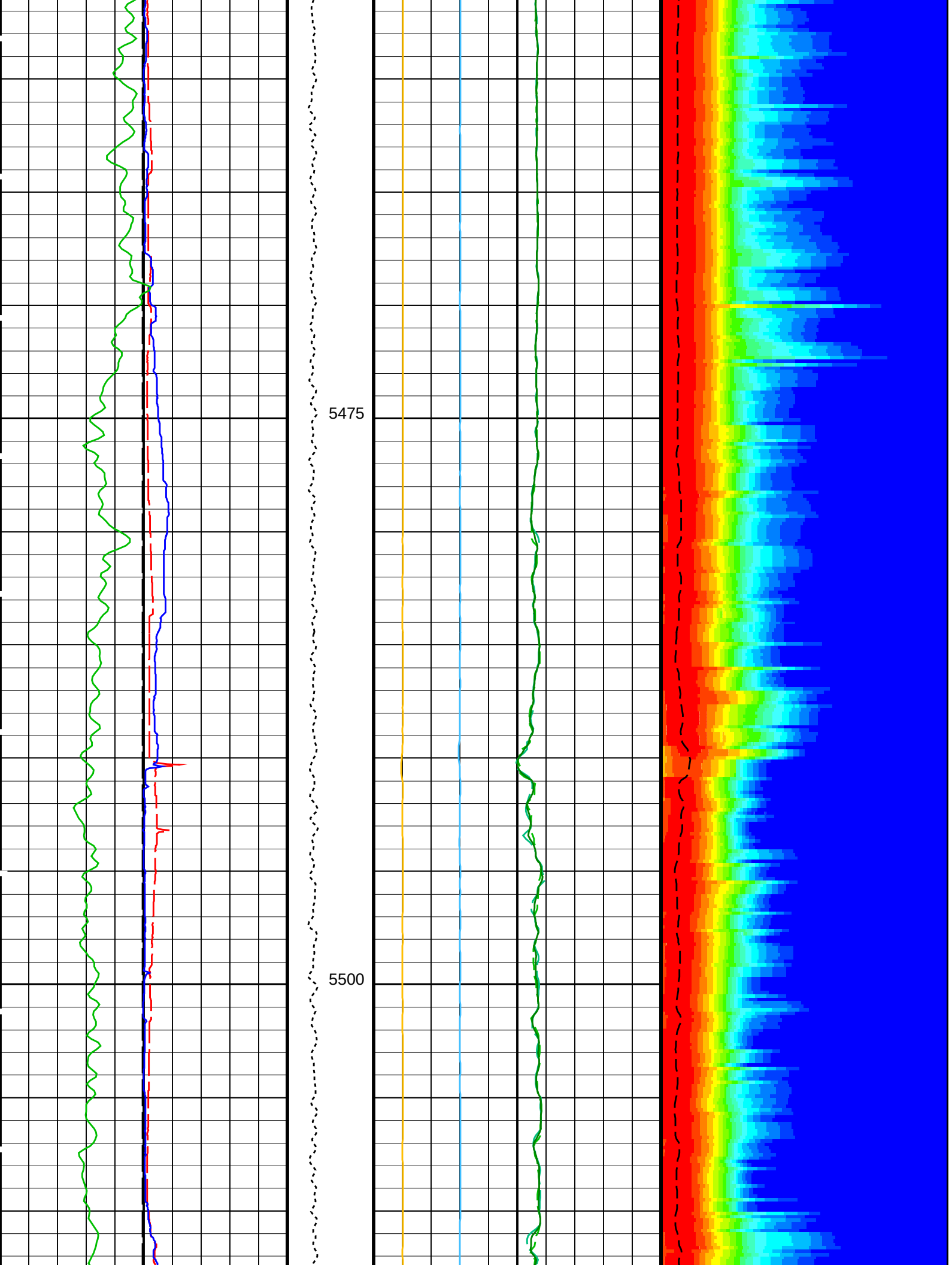
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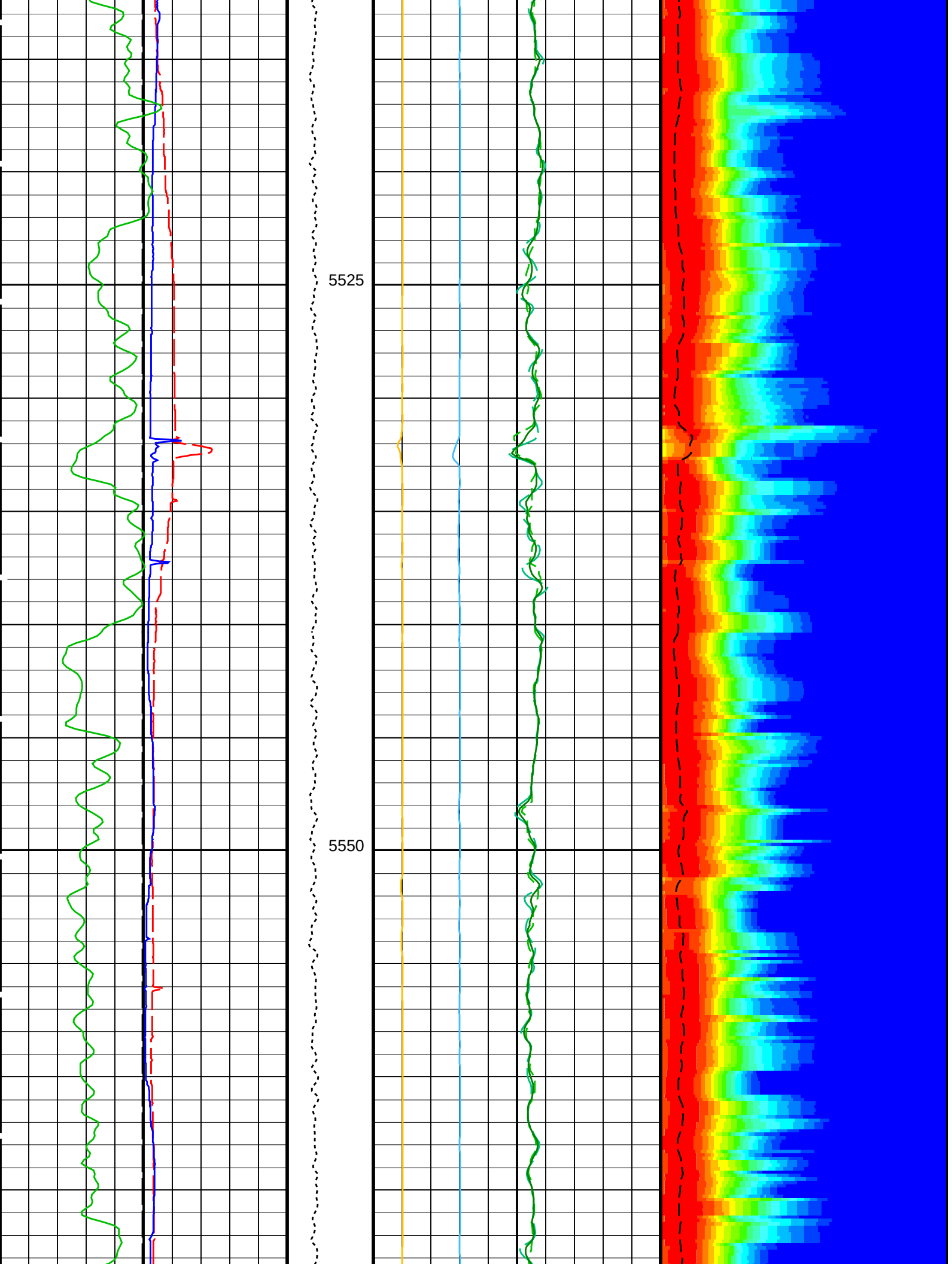
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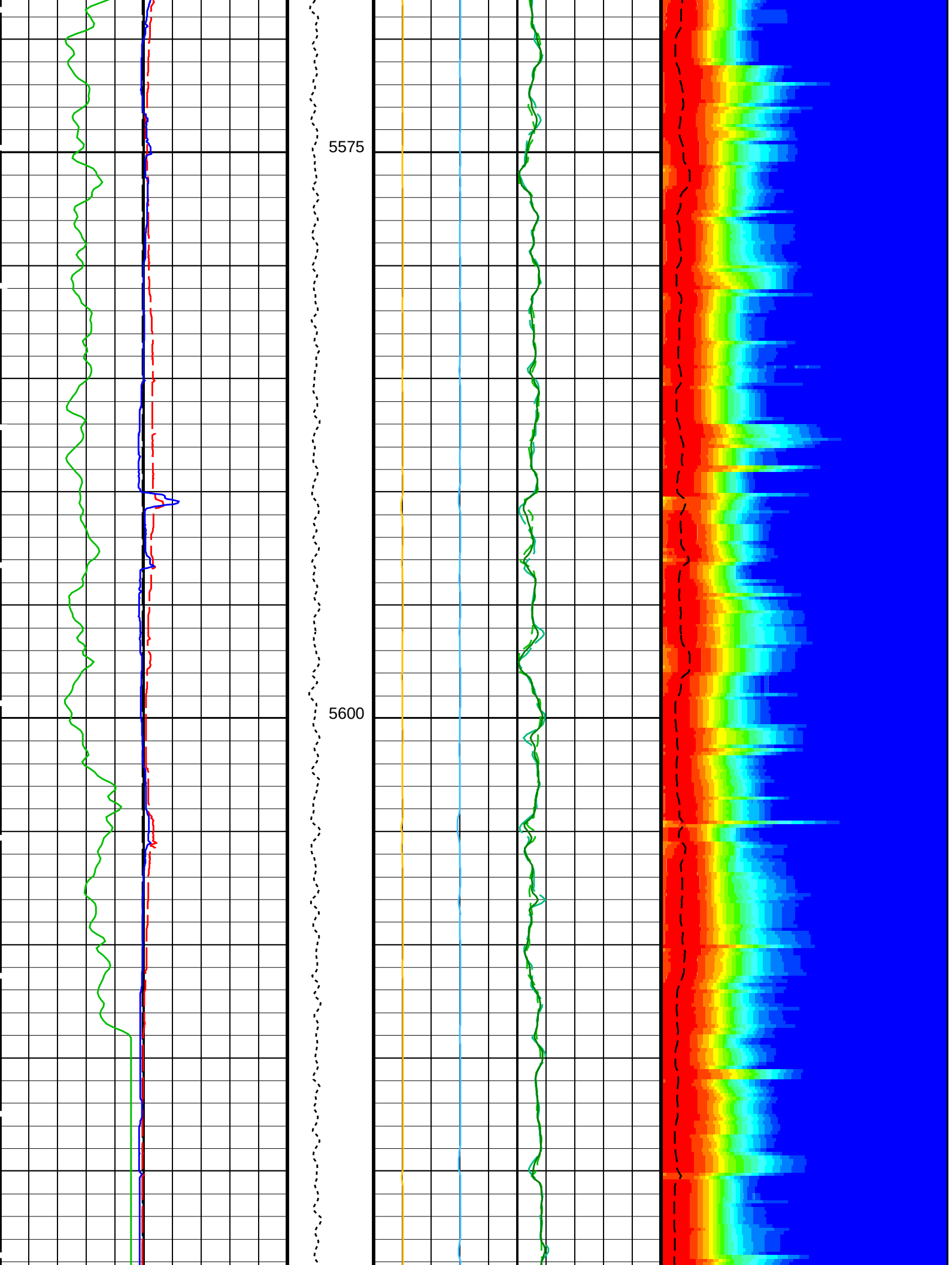
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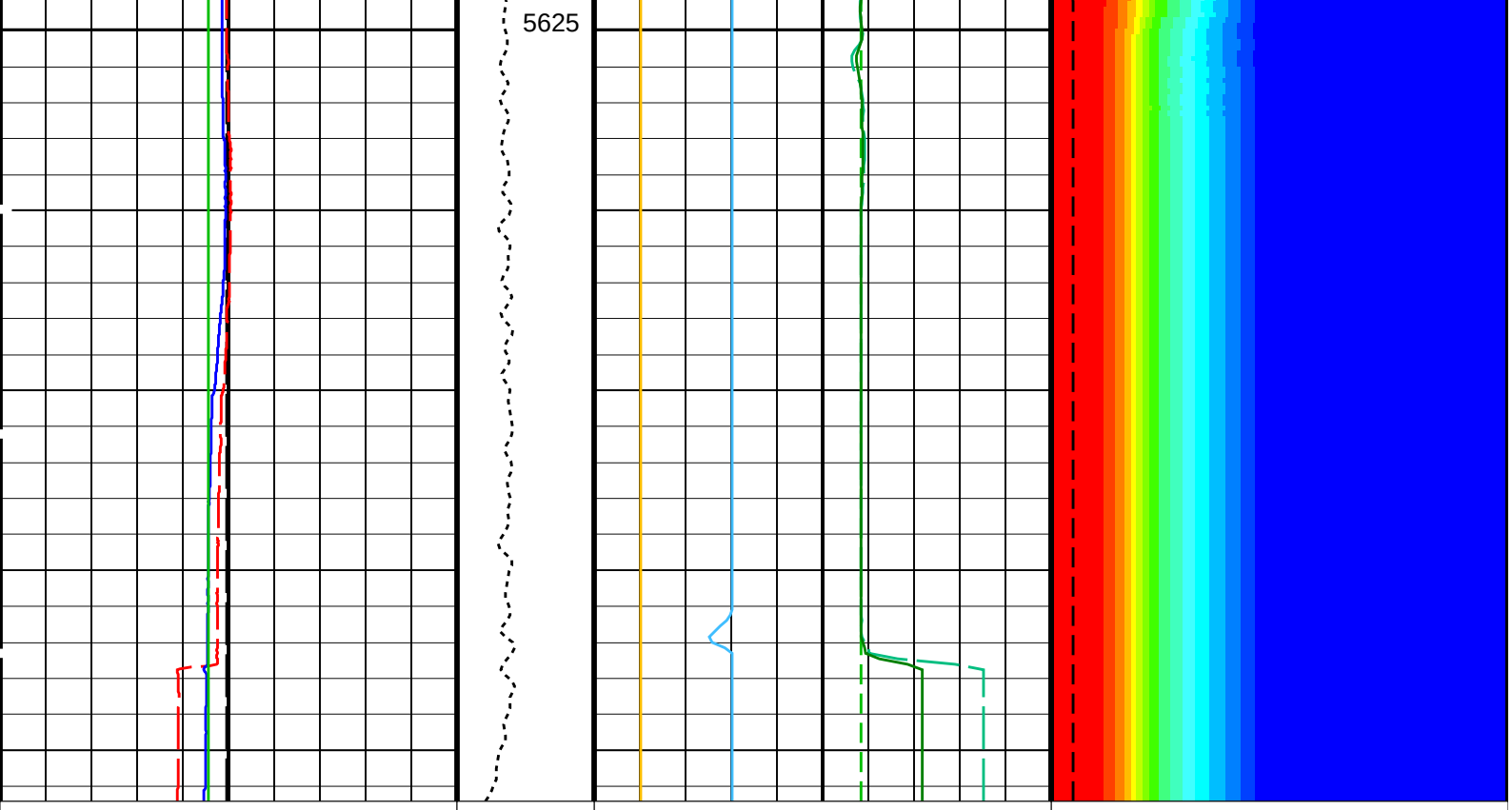


Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
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	180	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	780	US/F
SUL3	STC Slowness Upper Limit − Monopole Stoneley	780	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	12020	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

Format: DSST_STONELEY_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 05−May−2022 23:30

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_058LUP	FN:64	PRODUCER	05−May−2022 23:30	
RTB	FMS_DSI_NGS_058LUP	FN:65	PRODUCER	05−May−2022 23:30	

Output DLIS Files

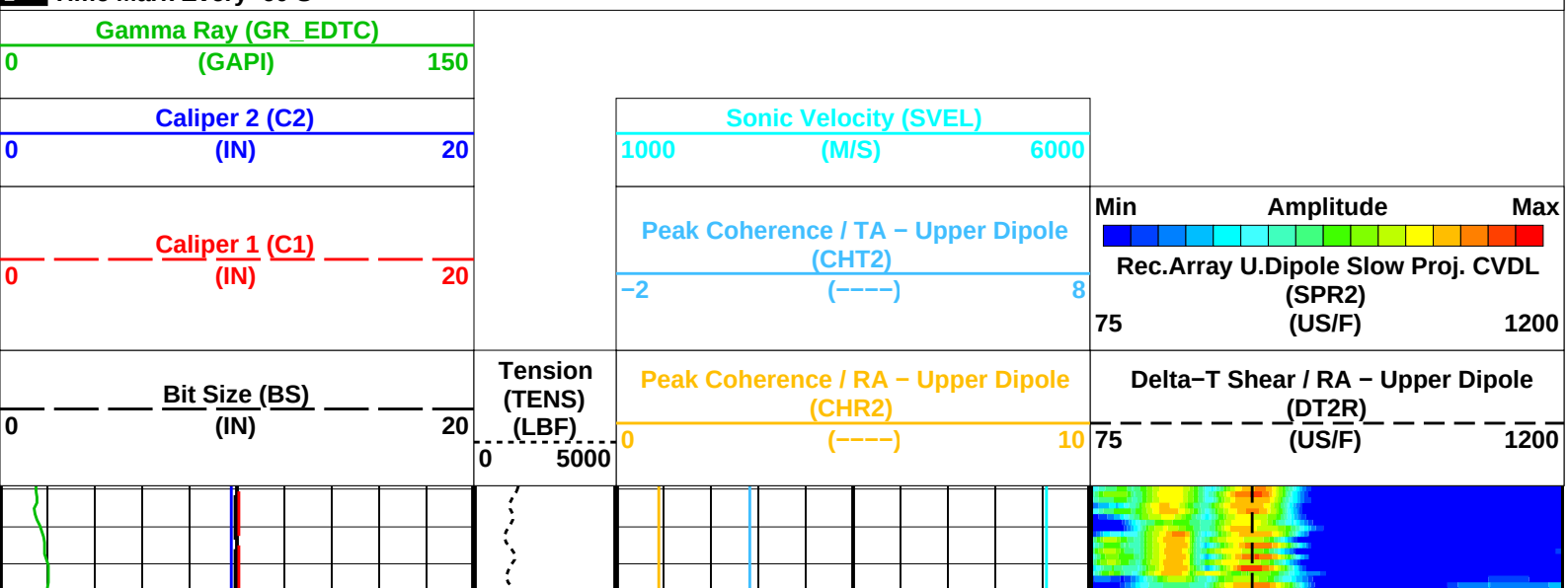
DEFAULT	FMS_DSI_NGS_058LUP	FN:64	PRODUCER	05−May−2022 23:30	5646.4 M	5287.5 M
RTB	FMS_DSI_NGS_058LUP	FN:65	PRODUCER	05−May−2022 23:30	5646.4 M	5287.5 M

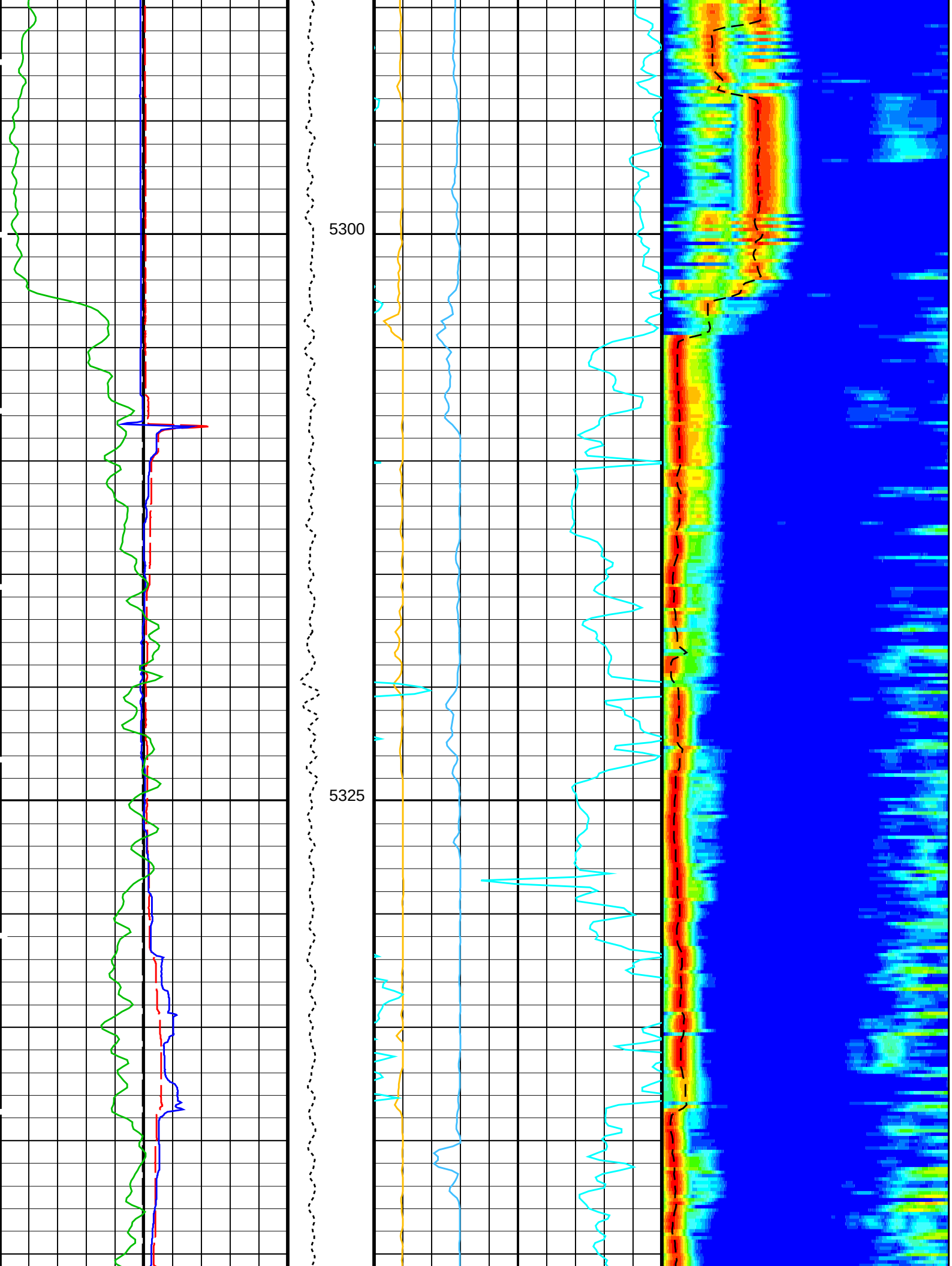
OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

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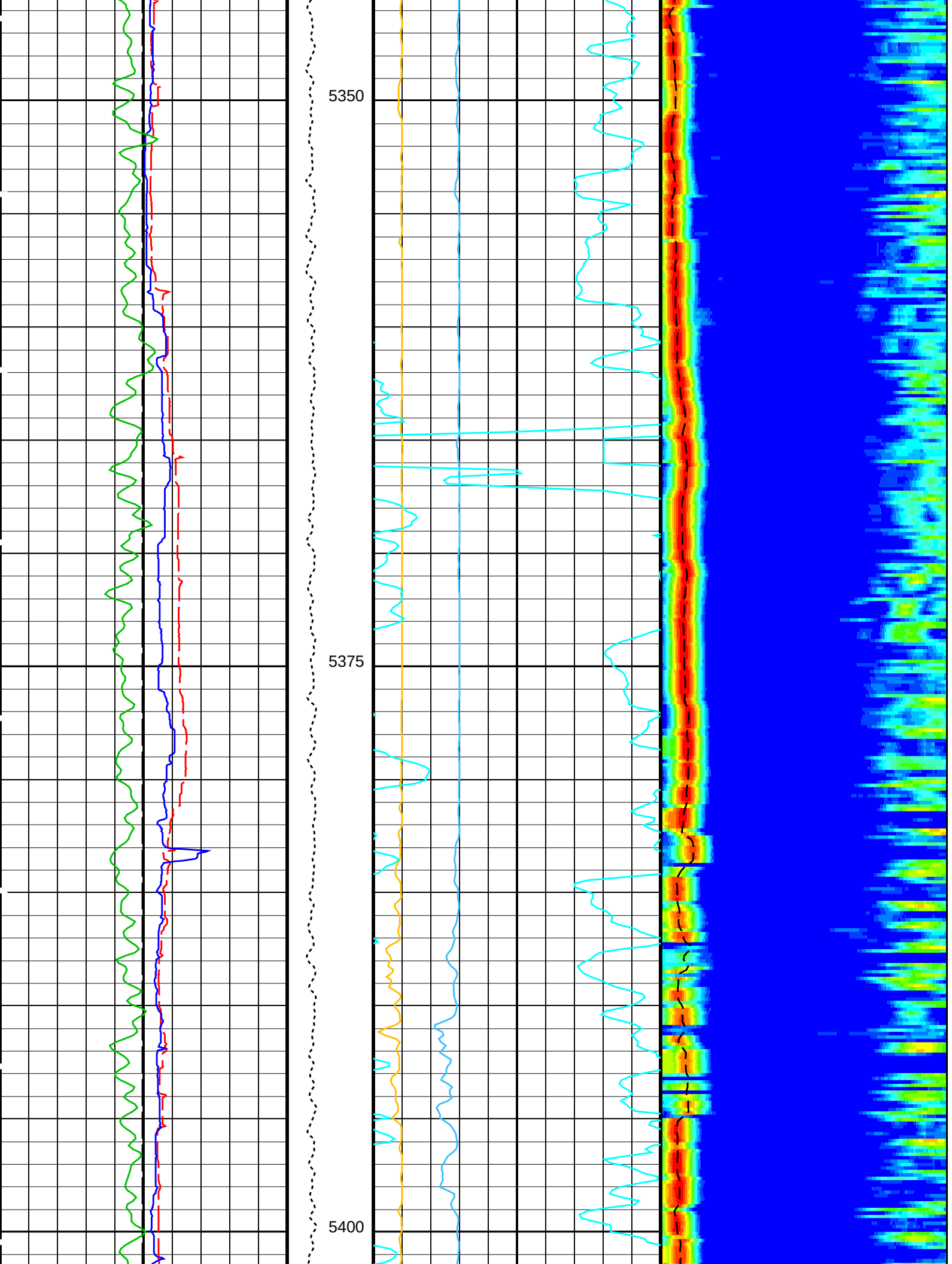
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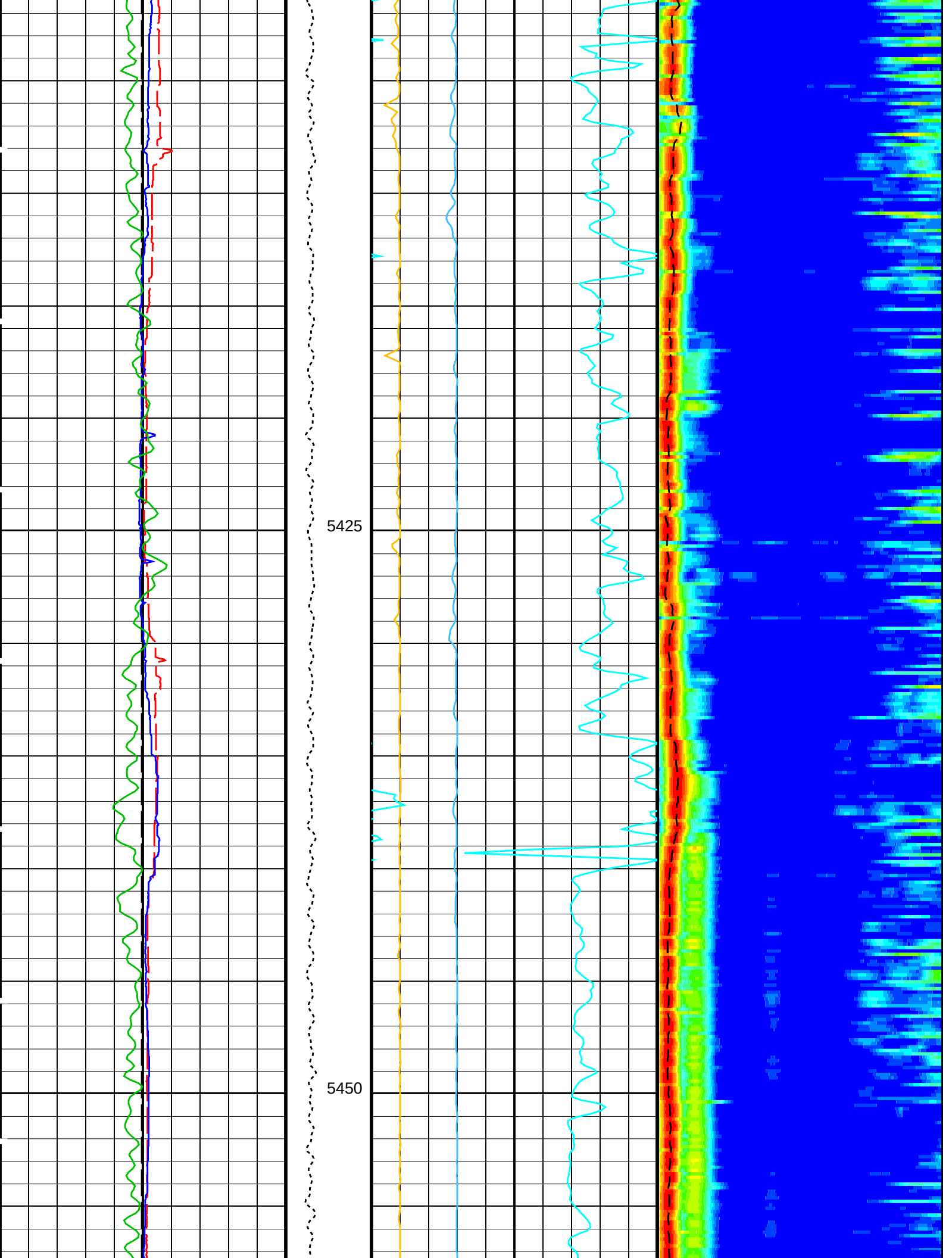
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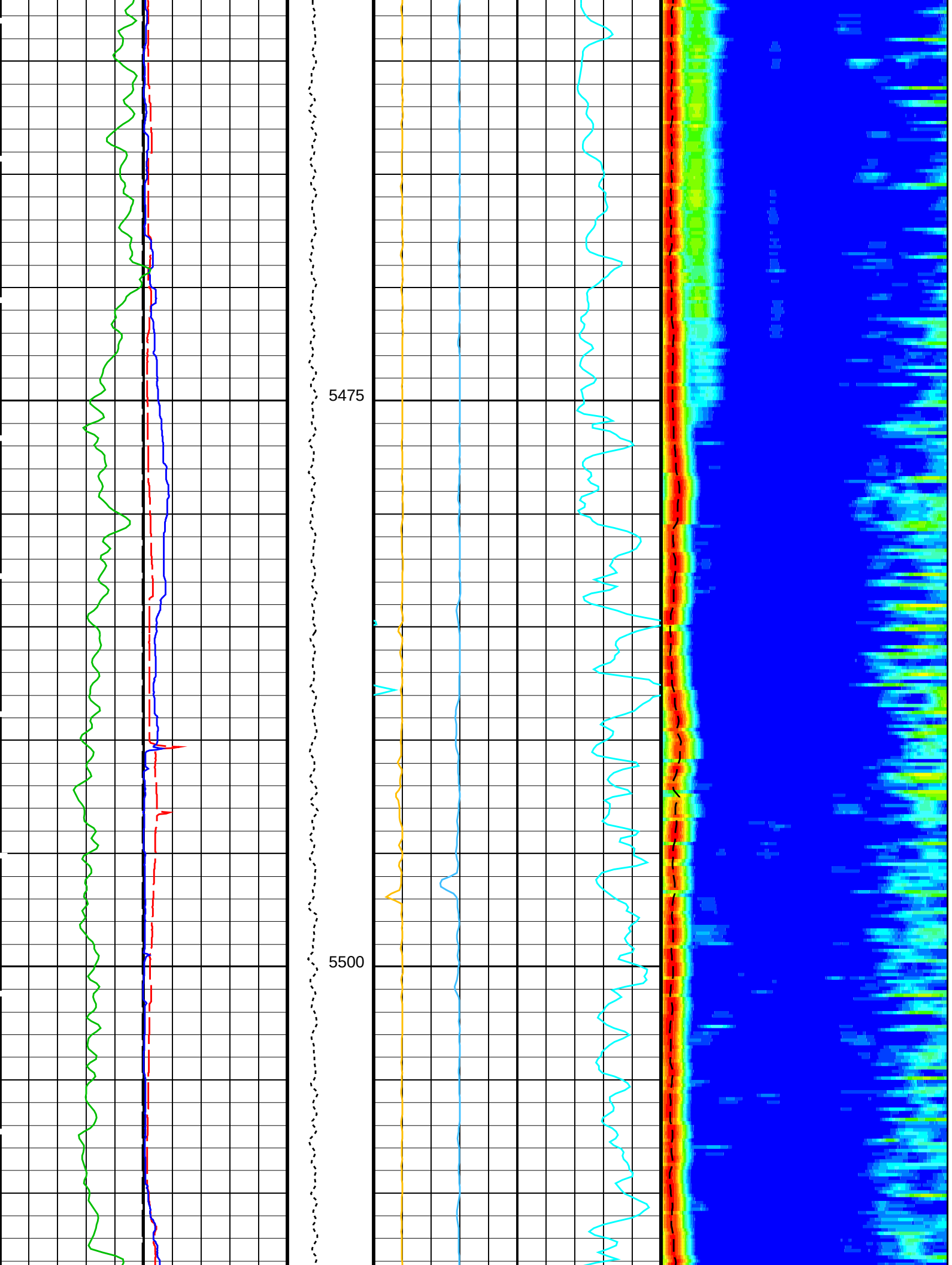
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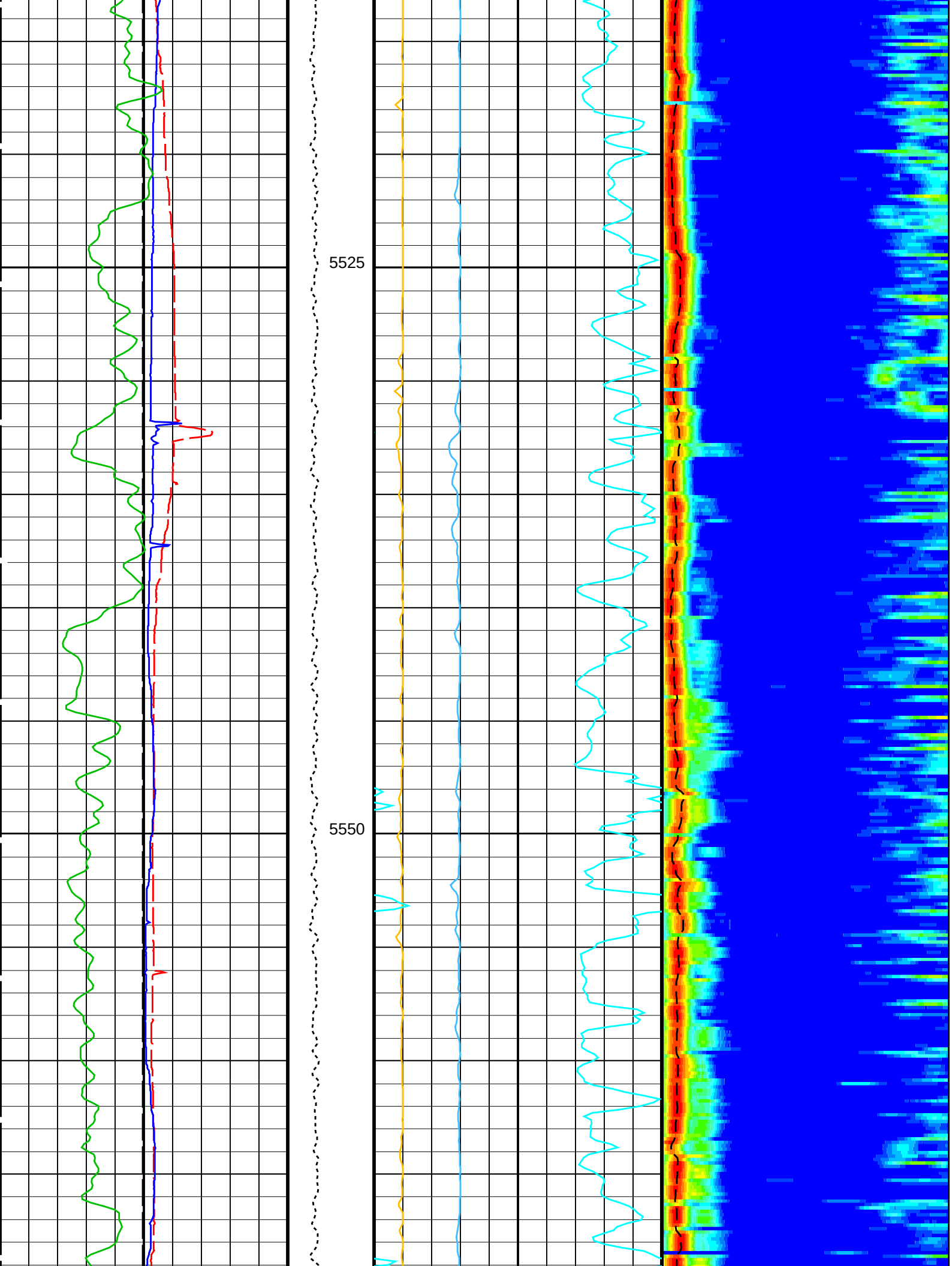
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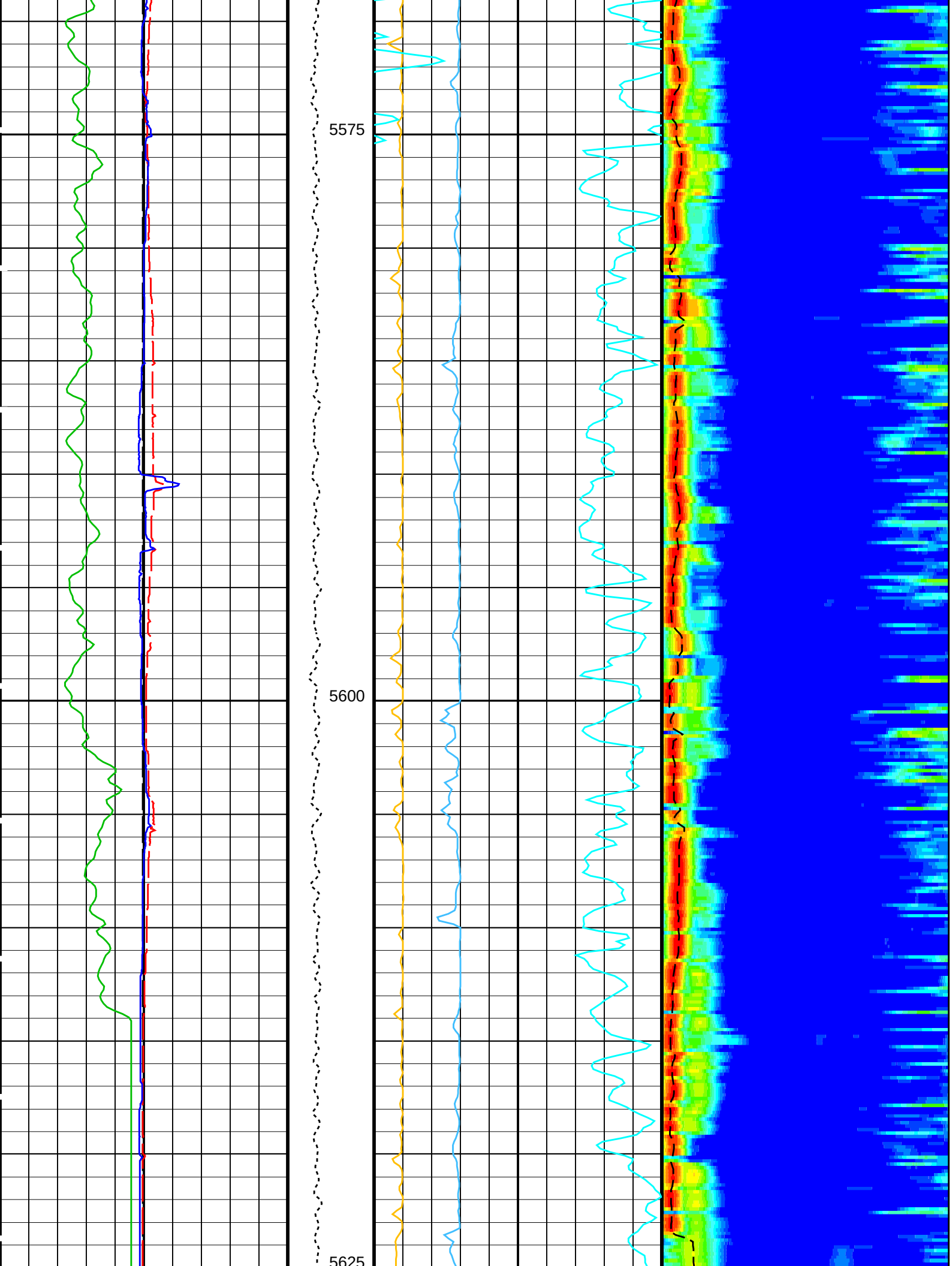
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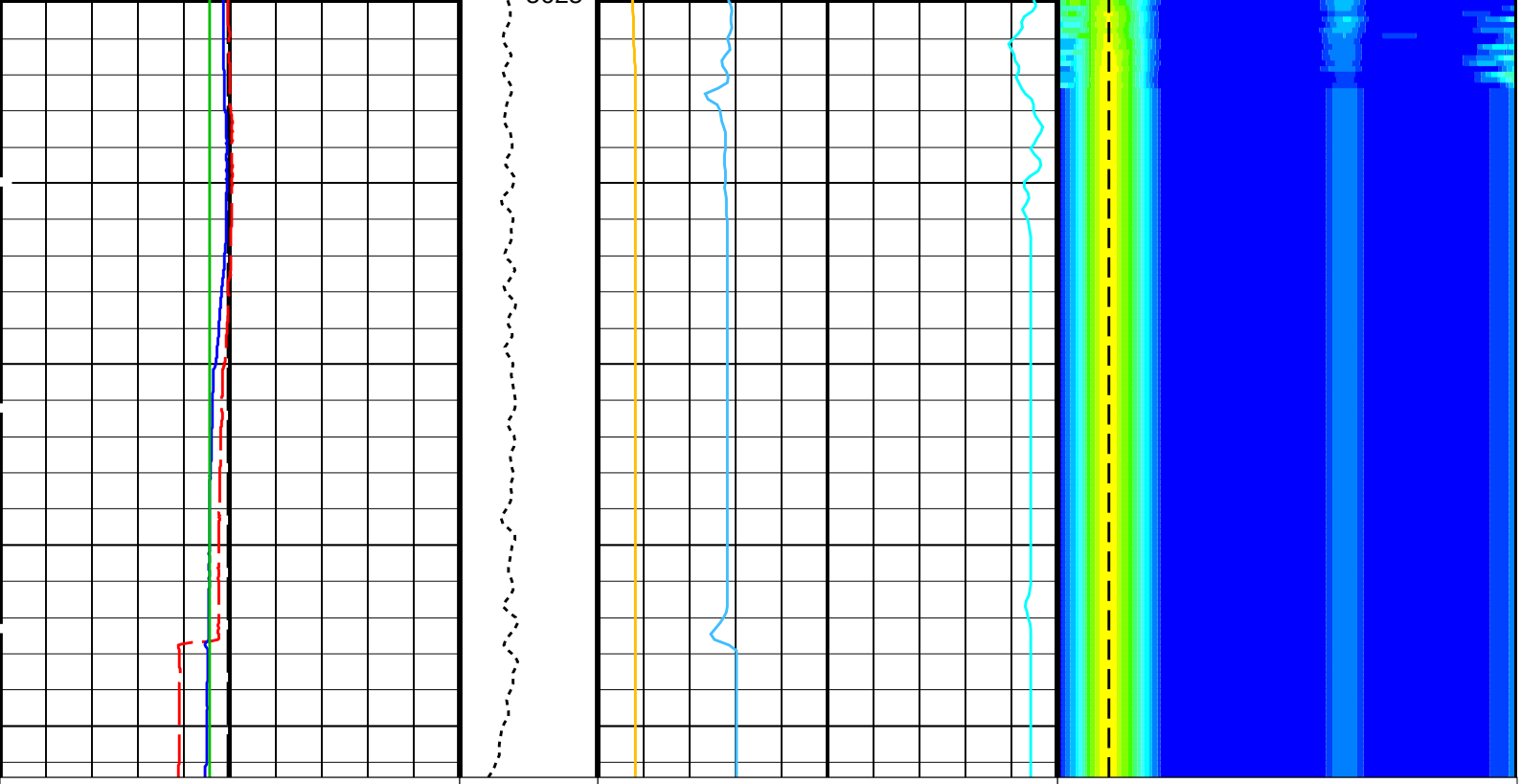


Parameters

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	50	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1000	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	40	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	1400	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	20440	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

Format: DSST_UPPER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 05−May−2022 23:30

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_058LUP	FN:64	PRODUCER	05−May−2022 23:30	
RTB	FMS_DSI_NGS_058LUP	FN:65	PRODUCER	05−May−2022 23:30	

Company: International Ocean Discovery Program Well: Expedition 390, Site U1556B

Output DLIS Files

DEFAULT	FMS_DSI_NGS_058LUP	FN:64	PRODUCER	05−May−2022 23:30	5646.4 M	5287.5 M
RTB	FMS_DSI_NGS_058LUP	FN:65	PRODUCER	05−May−2022 23:30	5646.4 M	5287.5 M

OP System Version: 19C0−187

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

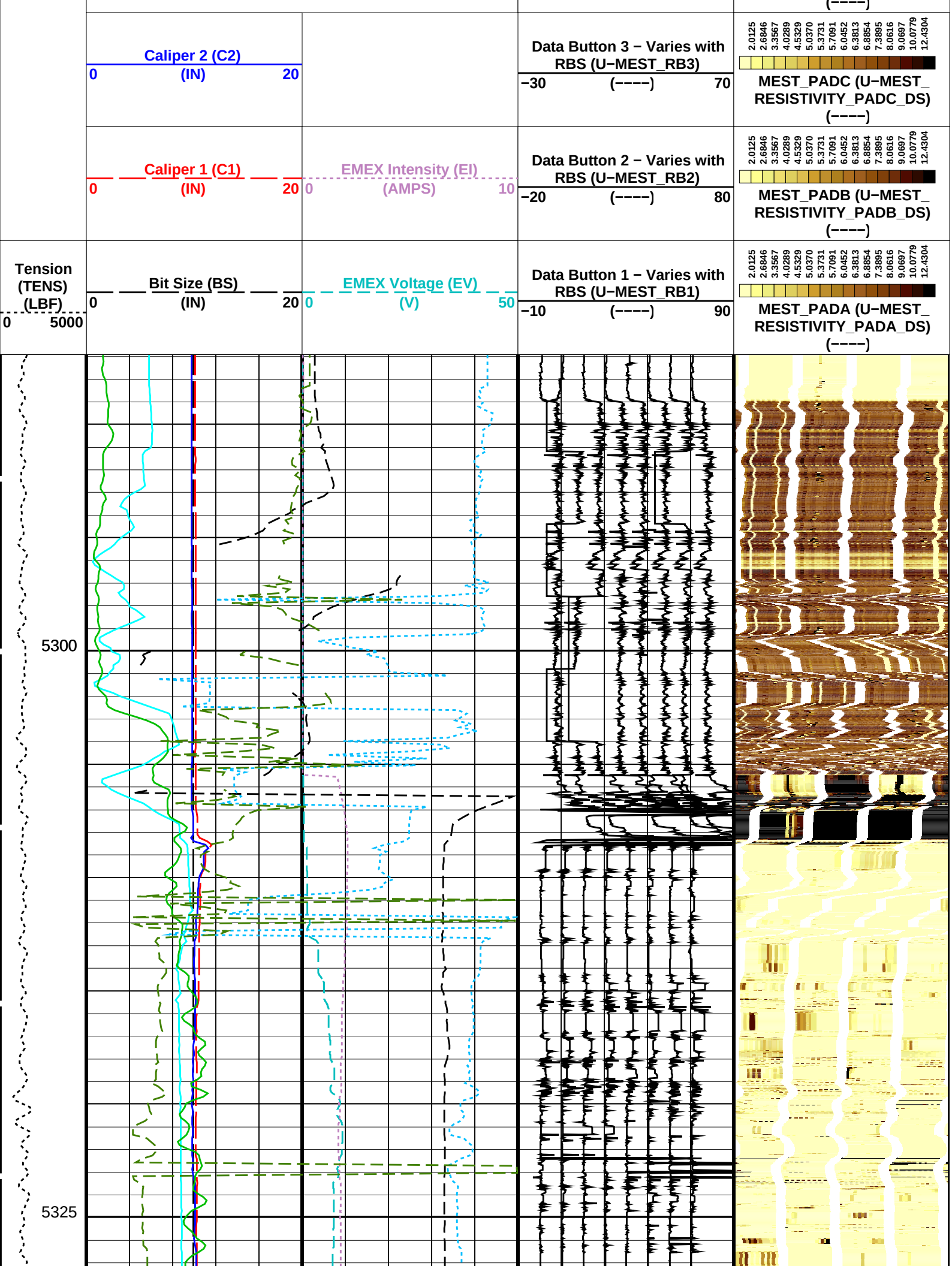
PIP SUMMARY

Time Mark Every 60 S

Relative Bearing (RB_MEST) −40 (DEG) 360		Data Button 8 − Varies with RBS (U−MEST_RB8) −80 (−−−−) 20
Pad One Azimuth (P1AZ_MEST) −40 (DEG) 360		Data Button 7 − Varies with RBS (U−MEST_RB7) −70 (−−−−) 30
Hole Azimuth (HAZIM) −40 (DEG) 360		Data Button 6 − Varies with RBS (U−MEST_RB6) −60 (−−−−) 40
Gamma Ray (GR_EDTC) 0 (GAPI) 150		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

2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304

MEST_PADD (U−MEST_RESISTIVITY_PADD_DS)


Caliper 2 (C2)
0 (IN) 20
Caliper 1 (C1)
0 (IN) 20
Tension (TENS) (LBF)
0 5000
Bit Size (BS)
0 (IN) 20
EMEX Intensity (EI)
0 (AMPS) 10
EMEX Voltage (EV)
0 (V) 50
Data Button 3 − Varies with RBS (U−MEST_RB3)
−30 (−−−−) 70
Data Button 2 − Varies with RBS (U−MEST_RB2)
−20 (−−−−) 80
Data Button 1 − Varies with RBS (U−MEST_RB1)
−10 (−−−−) 90
2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304
MEST_PADC (U−MEST_RESISTIVITY_PADC_DS) (−−−−)
MEST_PADB (U−MEST_RESISTIVITY_PADB_DS) (−−−−)
MEST_PADA (U−MEST_RESISTIVITY_PADA_DS) (−−−−)
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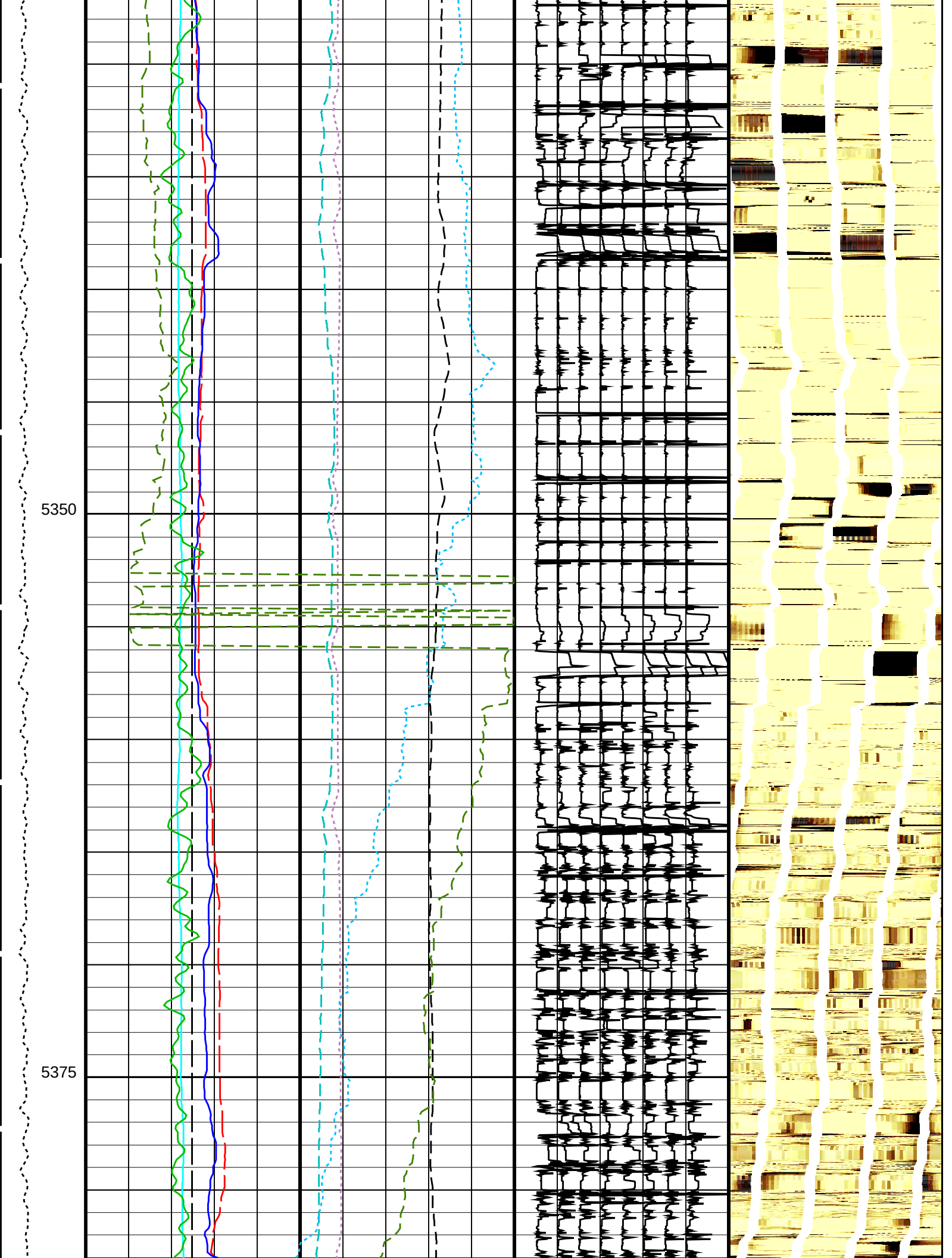
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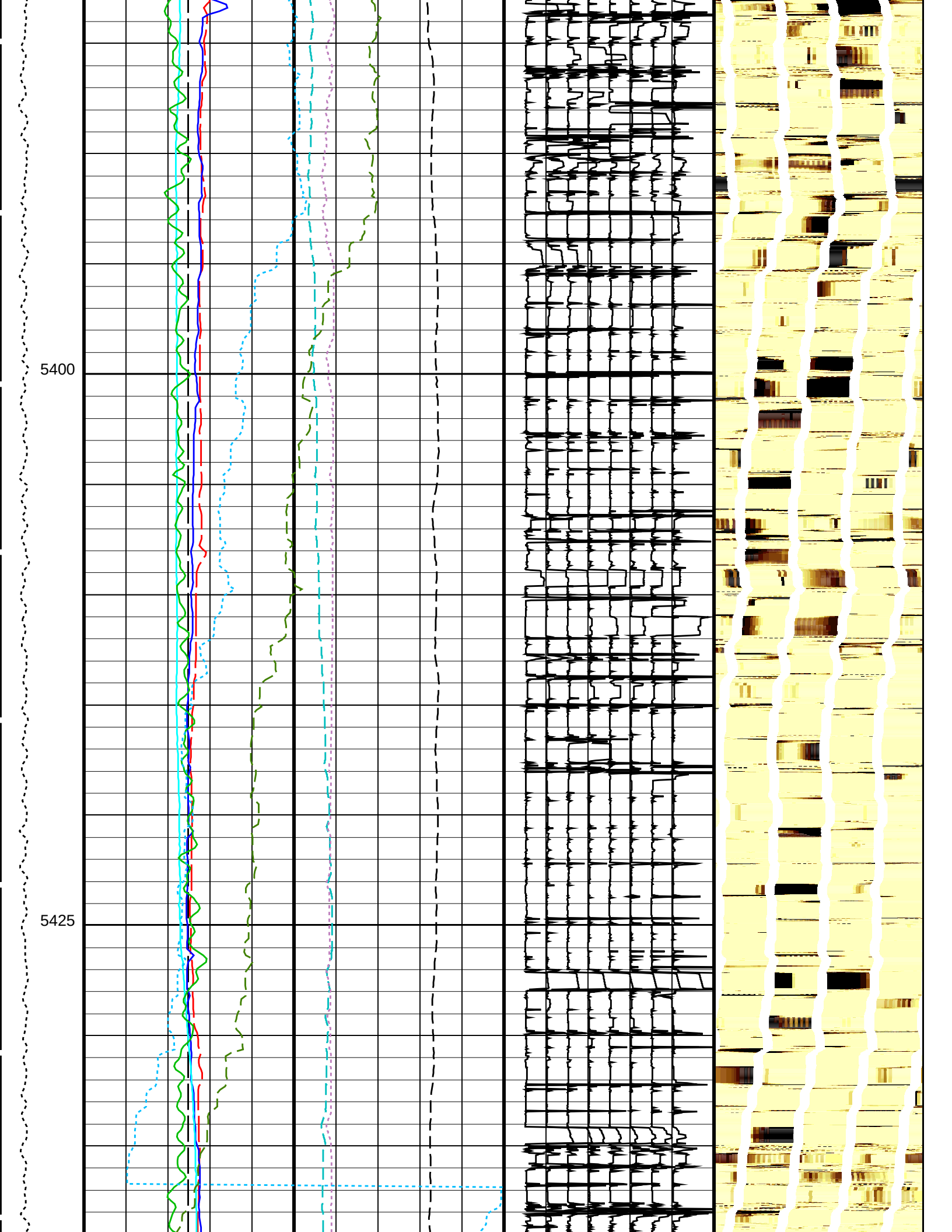
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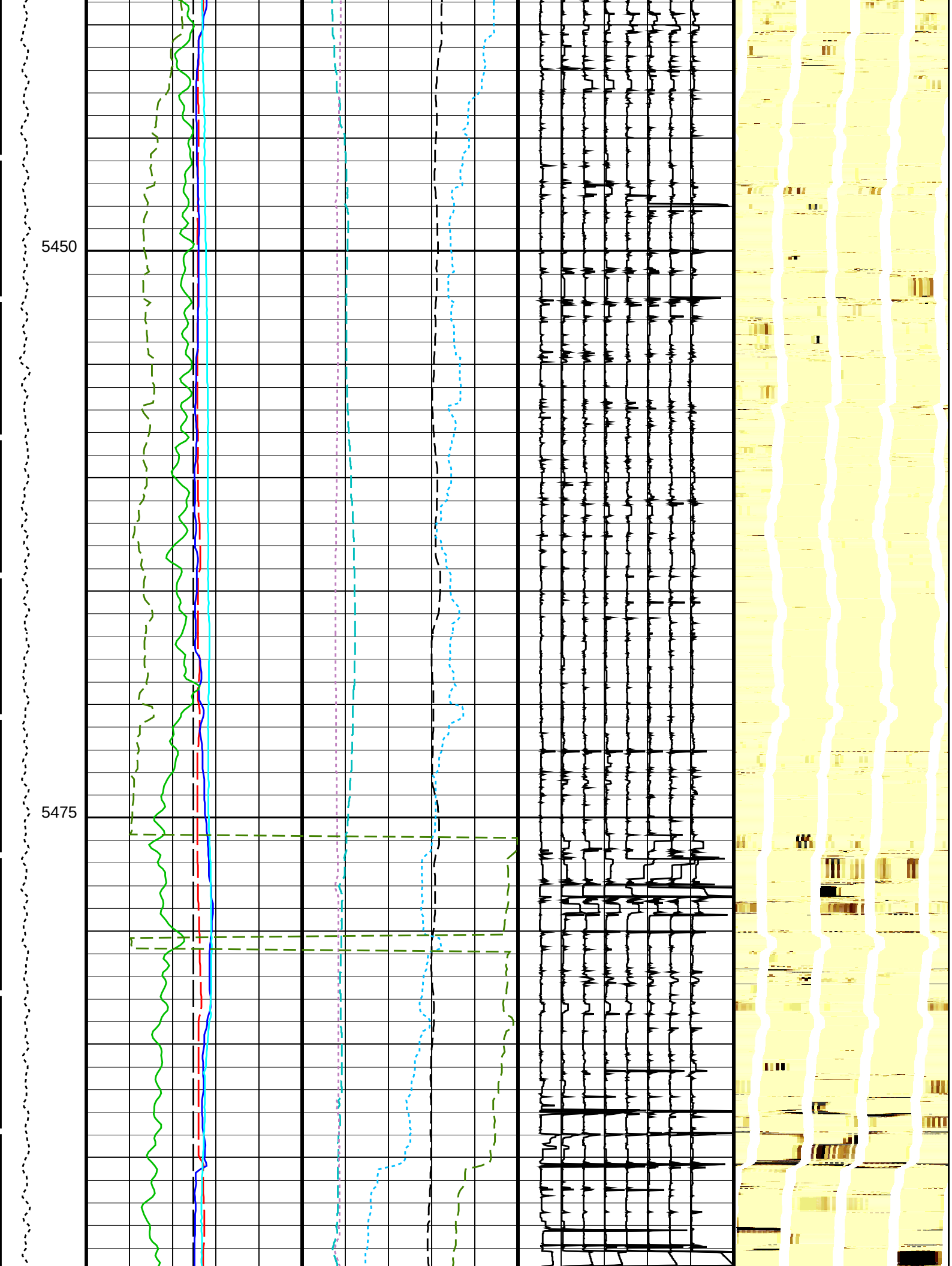
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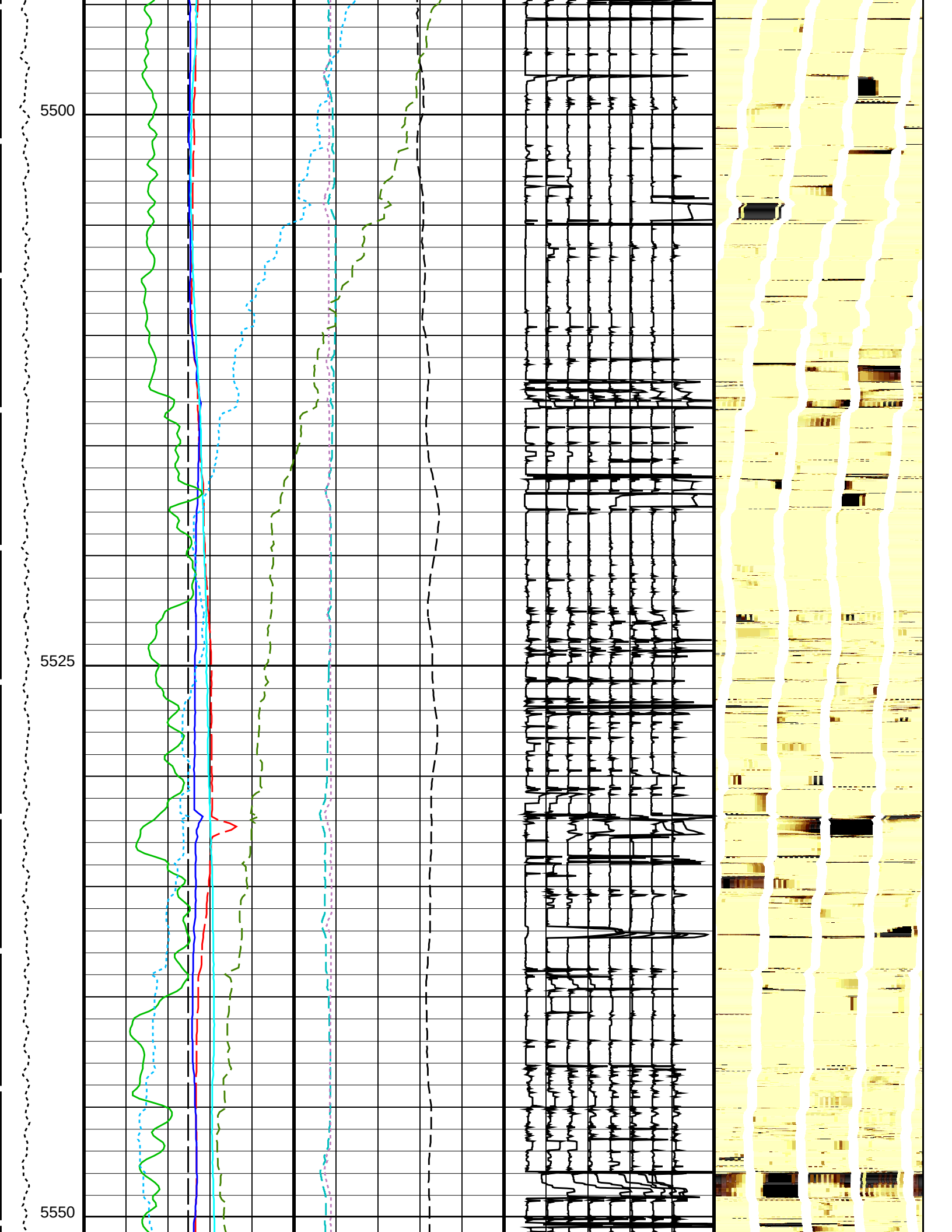
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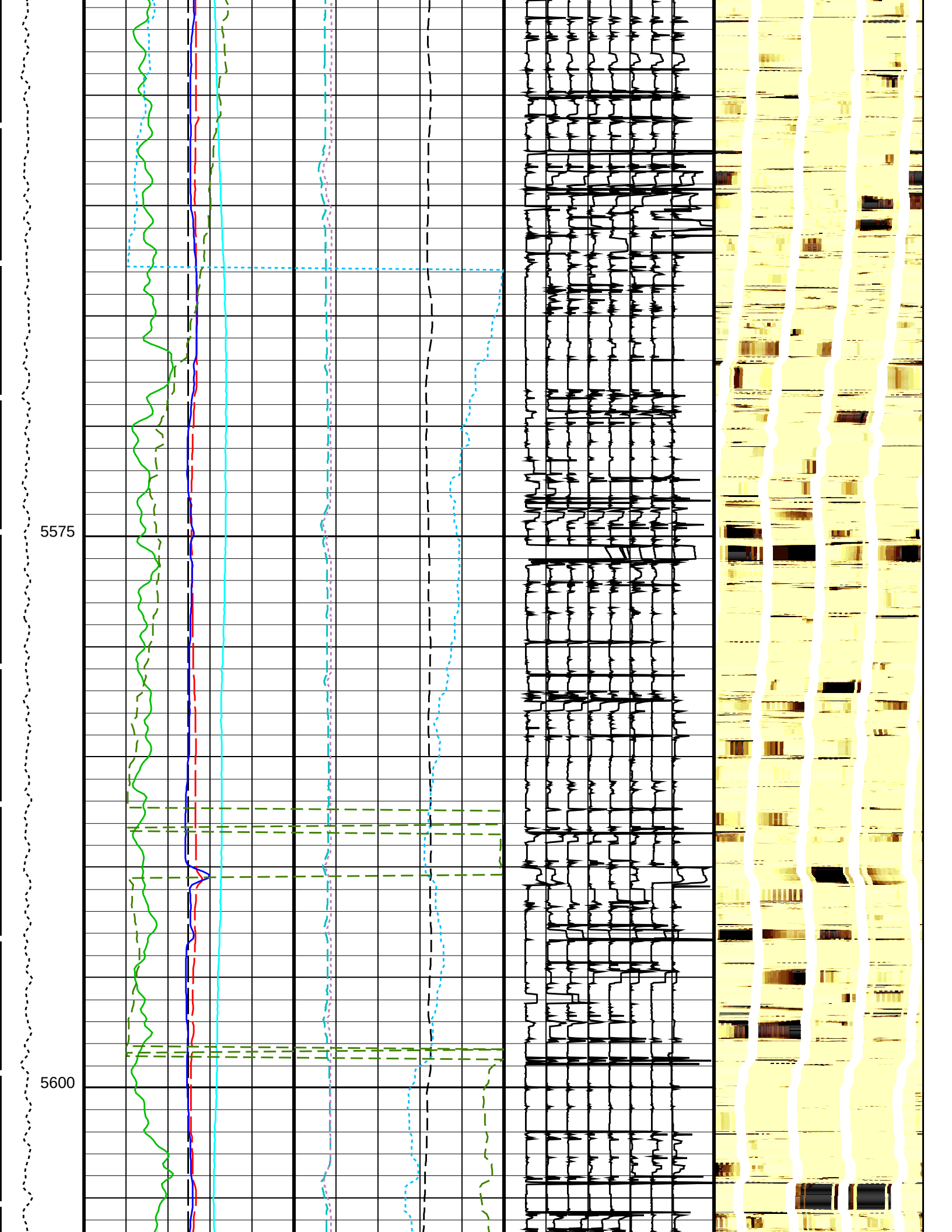
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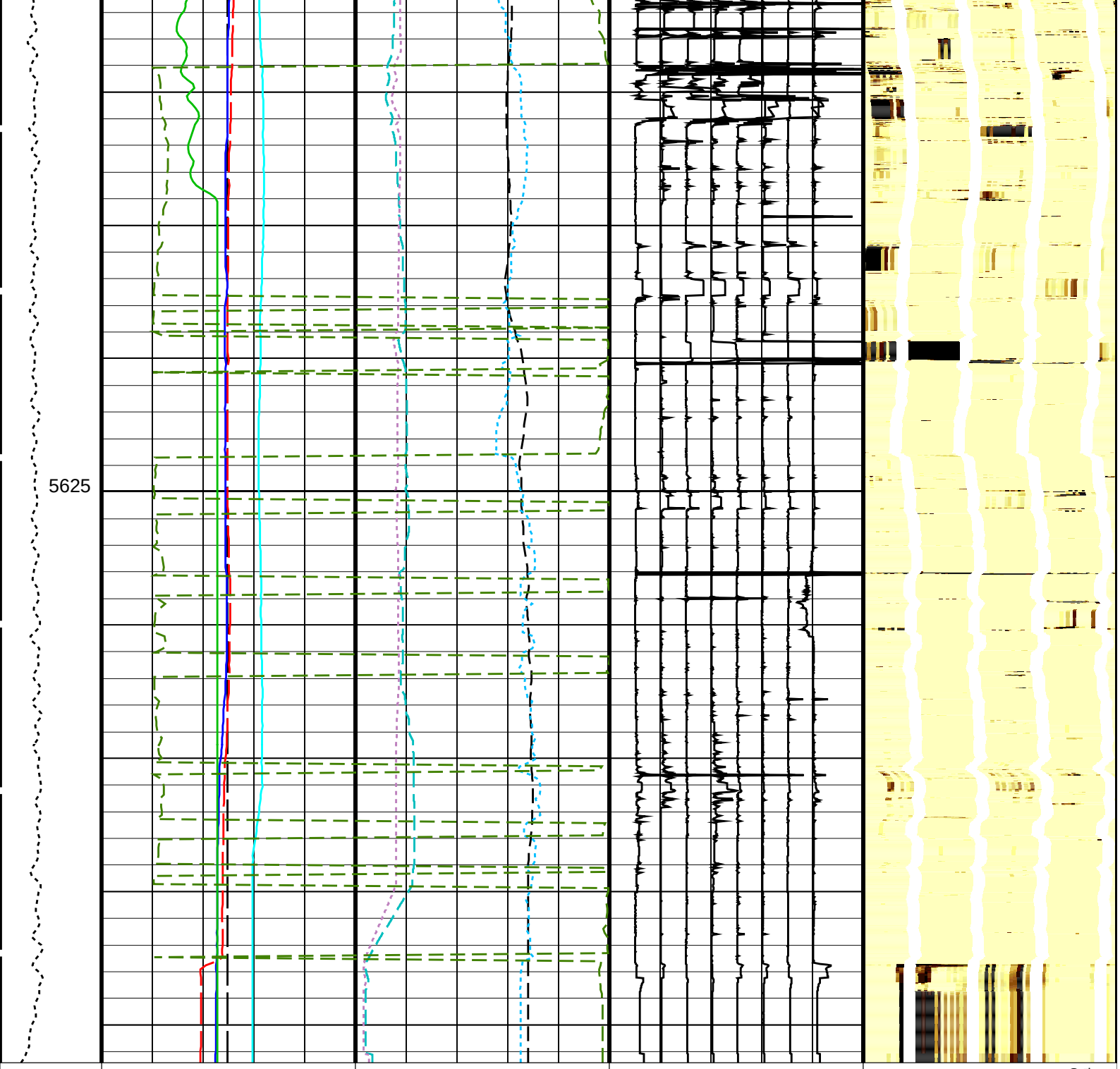


Tension (TENS) (LBF) 0 5000	Bit Size (BS) 0 (IN) 20	EMEX Voltage (EV) 0 (V) 50	Data Button 1 − Varies with RBS (U−MEST_RB1) −10 (−−−−) 90	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 MEST_PADA (U−MEST_RESISTIVITY_PADA_DS) (−−−−)
	Caliper 1 (C1) 0 (IN) 20	EMEX Intensity (EI) 0 (AMPS) 10	Data Button 2 − Varies with RBS (U−MEST_RB2) −20 (−−−−) 80	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 MEST_PADB (U−MEST_RESISTIVITY_PADB_DS) (−−−−)
	Caliper 2 (C2) 0 (IN) 20		Data Button 3 − Varies with RBS (U−MEST_RB3) −30 (−−−−) 70	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 MEST_PADC (U−MEST_RESISTIVITY_PADC_DS) (−−−−)

Deviation (DEVIM) 0 (DEG) 10	Data Button 4 − Varies with RBS (U−MEST_RB4) −40 (−−−−) 60	MEST_PADD (U−MEST_RESISTIVITY_PADD_DS) (−−−−)
Gamma Ray (GR_EDTC) 0 (GAPI) 150	Data Button 5 − Varies with RBS (U−MEST_RB5) −50 (−−−−) 50	
Hole Azimuth (HAZIM) −40 (DEG) 360	Data Button 6 − Varies with RBS (U−MEST_RB6) −60 (−−−−) 40	
Pad One Azimuth (P1AZ_MEST) −40 (DEG) 360	Data Button 7 − Varies with RBS (U−MEST_RB7) −70 (−−−−) 30	
Relative Bearing (RB_MEST) −40 (DEG) 360	Data Button 8 − Varies with RBS (U−MEST_RB8) −80 (−−−−) 20	

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	−23.9726	DEG
MLM	MEST Logging Mode	SCAN1800	
RBS	Resistivity Button Selection	AUTO	
XGAI	Gain	GAIN_2	
XOFF	Offset	OFFSET_0	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: MEST_C_WRAP_BY_P1AZ Vertical Scale: 1:200 Graphics File Created: 05−May−2022 23:30

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_058LUP	FN:64	PRODUCER	05−May−2022 23:30	
RTB	FMS_DSI_NGS_058LUP	FN:65	PRODUCER	05−May−2022 23:30	

Schlumberger

Second Up Pass

MAXIS Field Log

Output DLIS Files

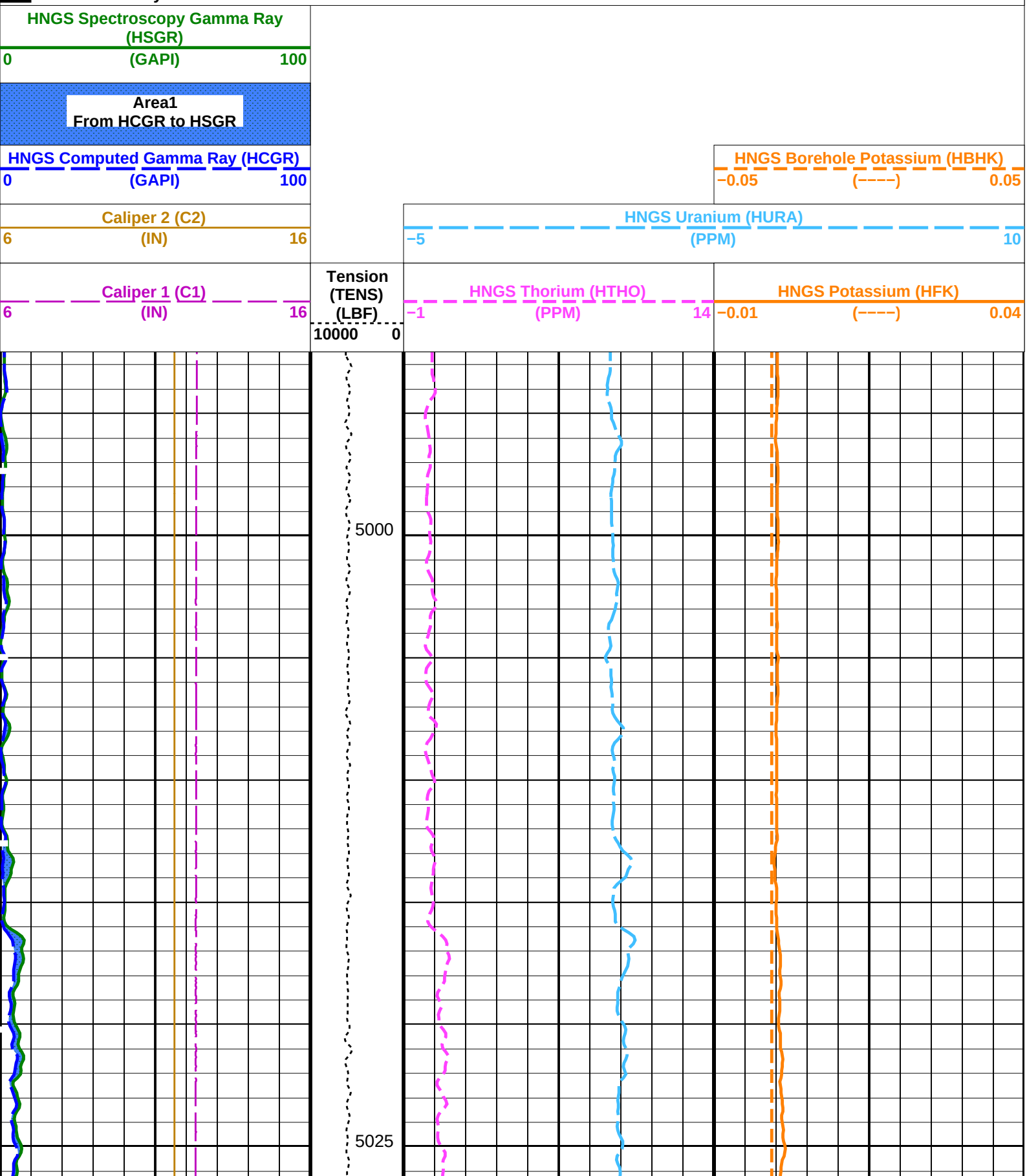
DEFAULT	FMS_DSI_NGS_061LUP	FN:70	PRODUCER	06−May−2022 00:52	5646.4 M	4992.5 M
RTB	FMS_DSI_NGS_061LUP	FN:71	PRODUCER	06−May−2022 00:52	5646.4 M	4992.5 M

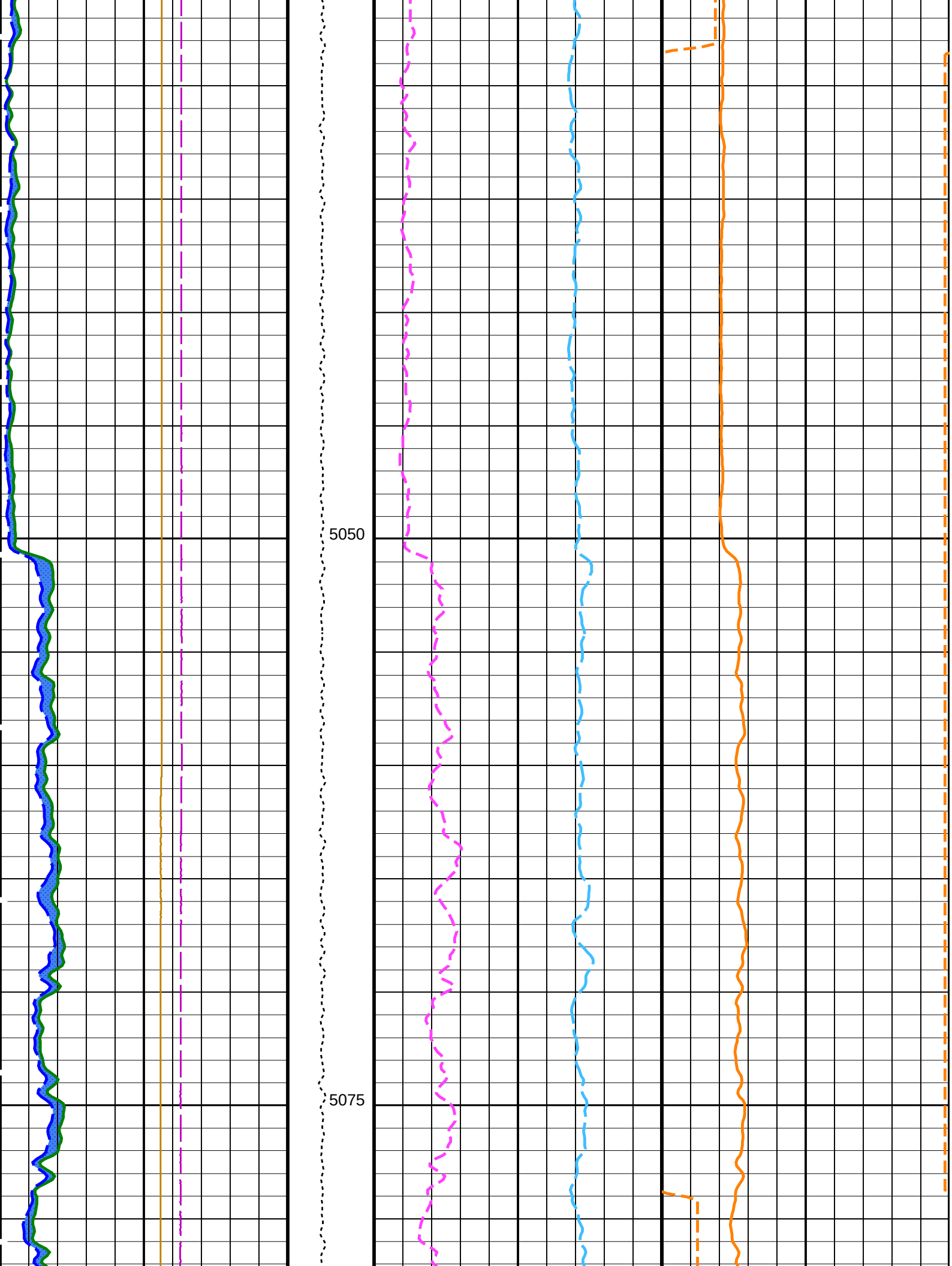
OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

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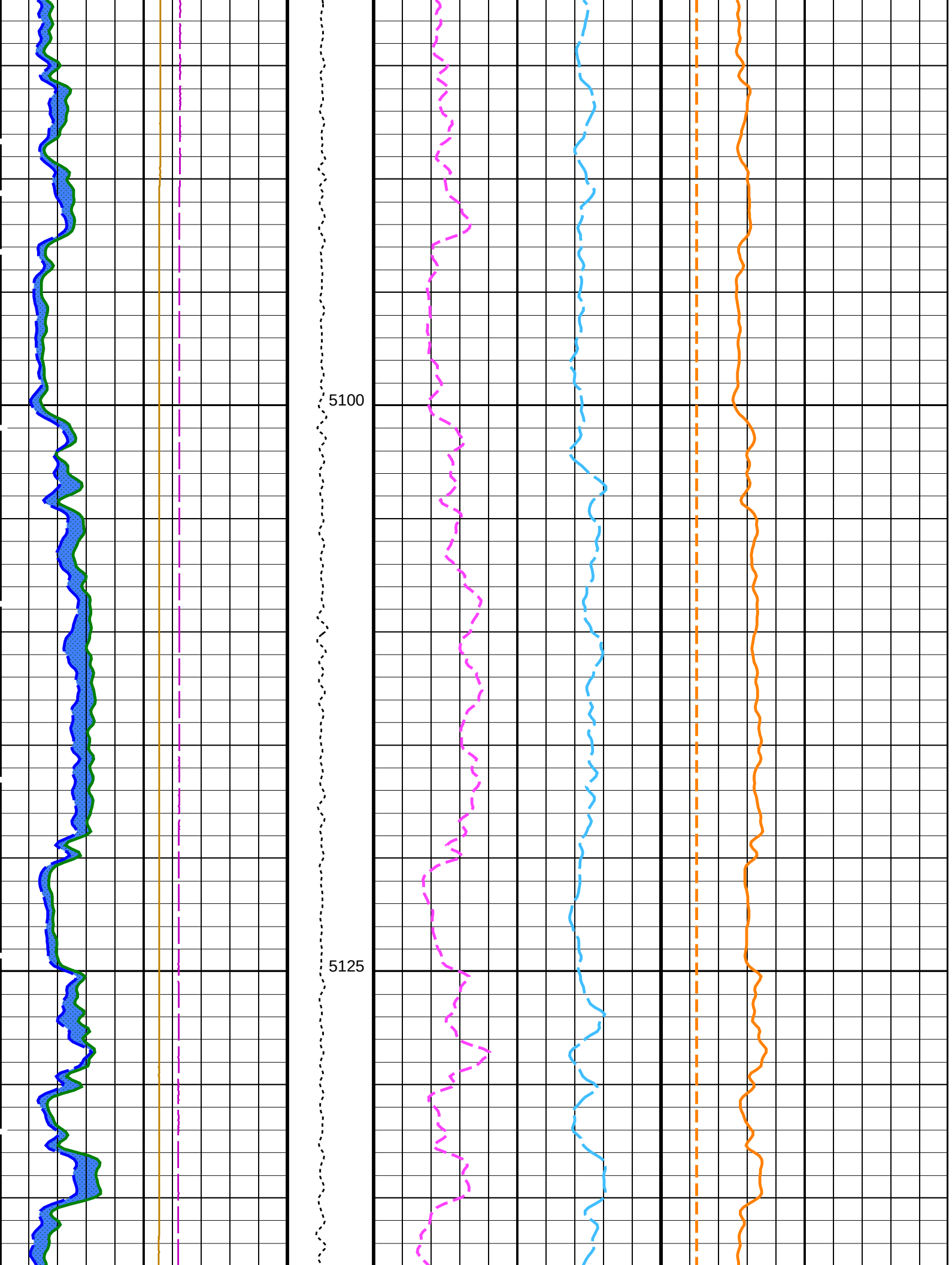
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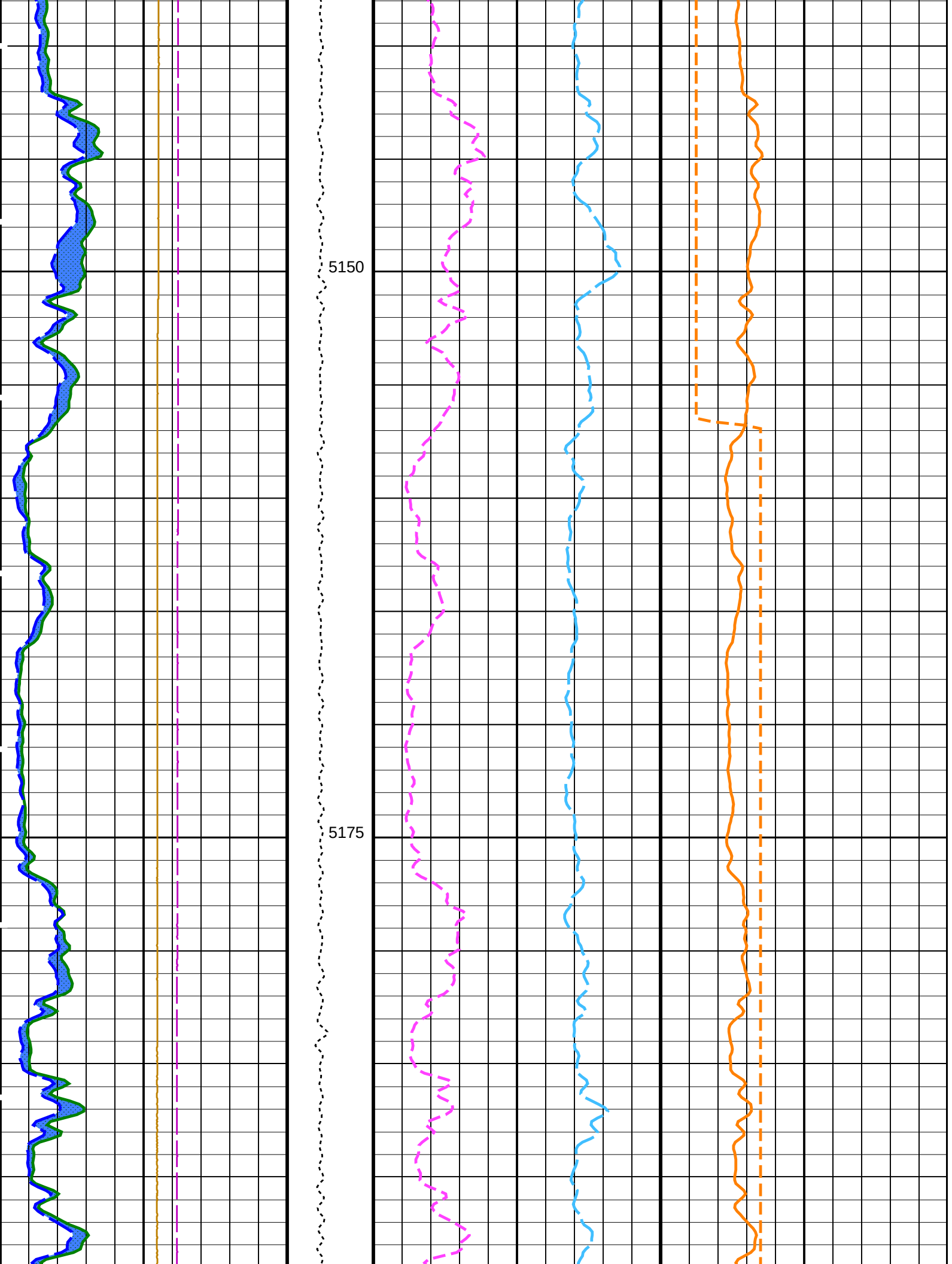
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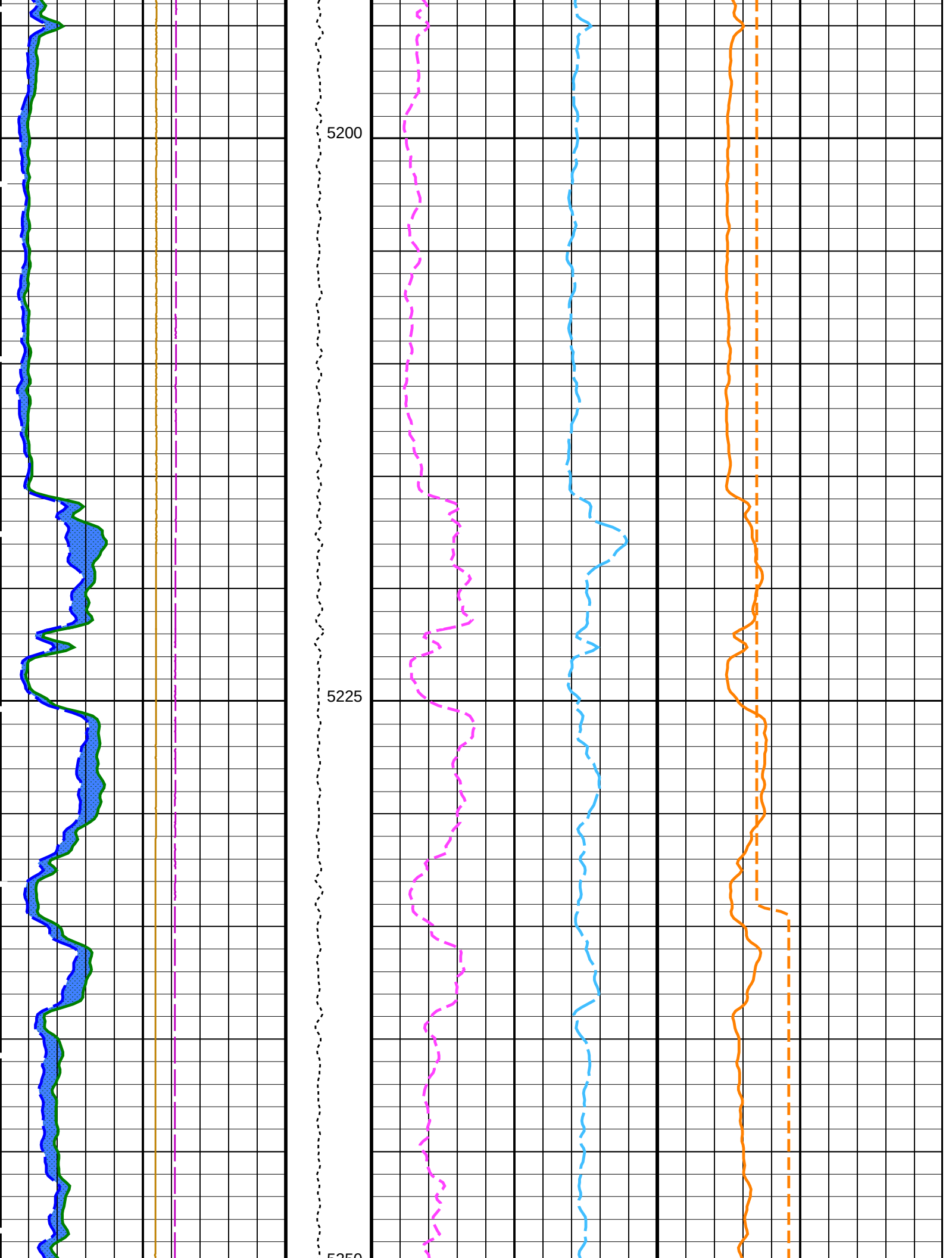
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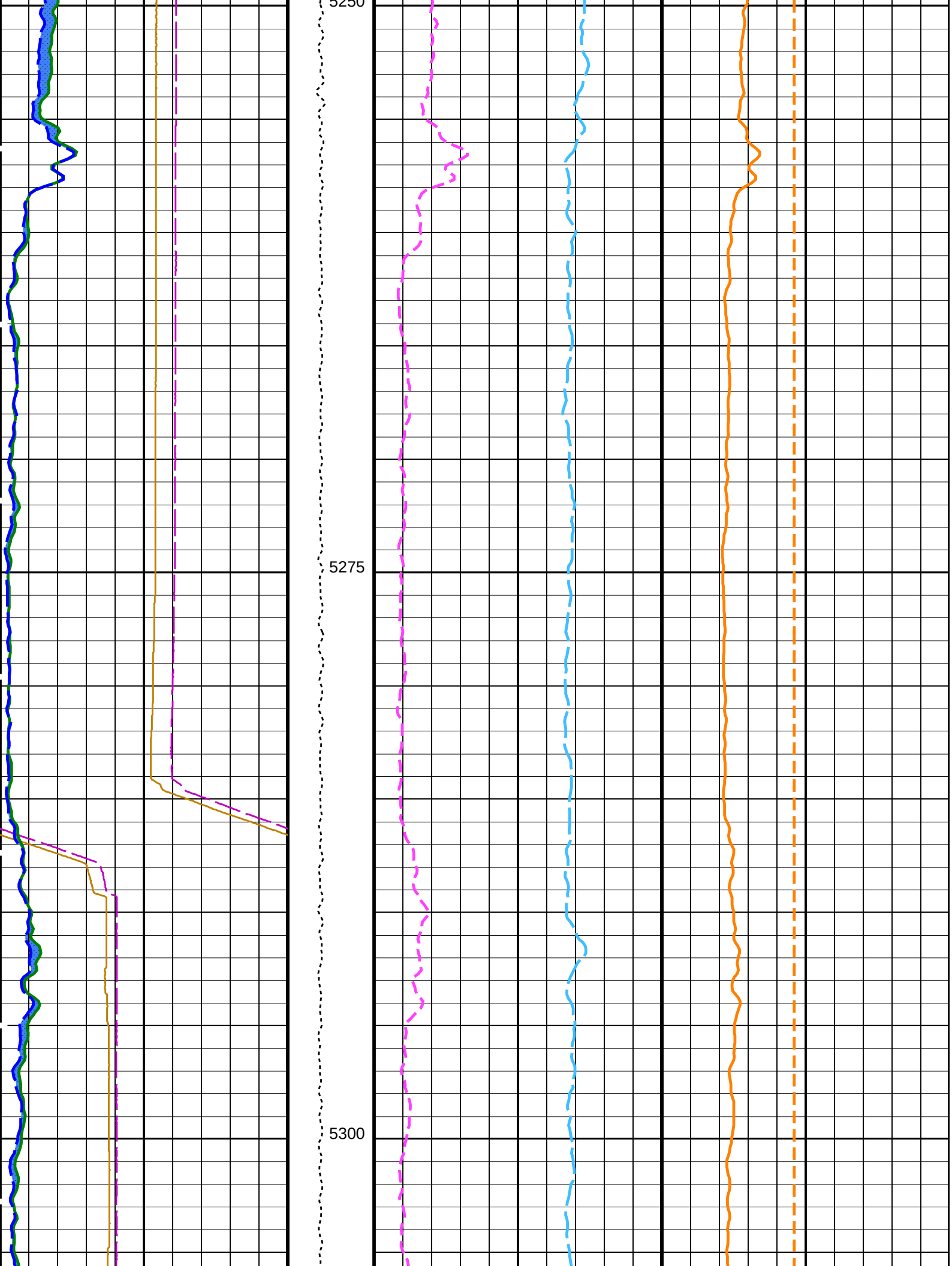
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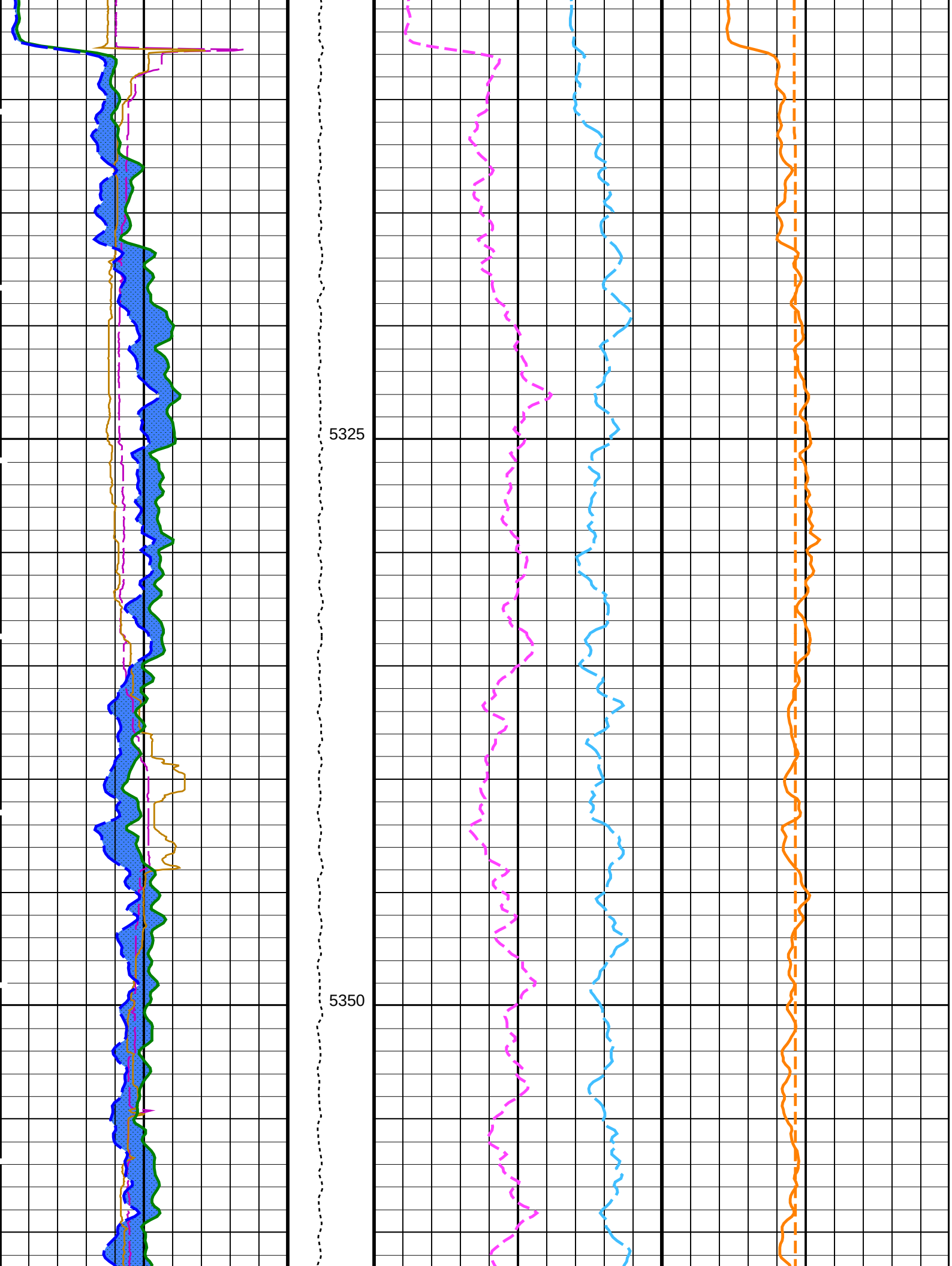
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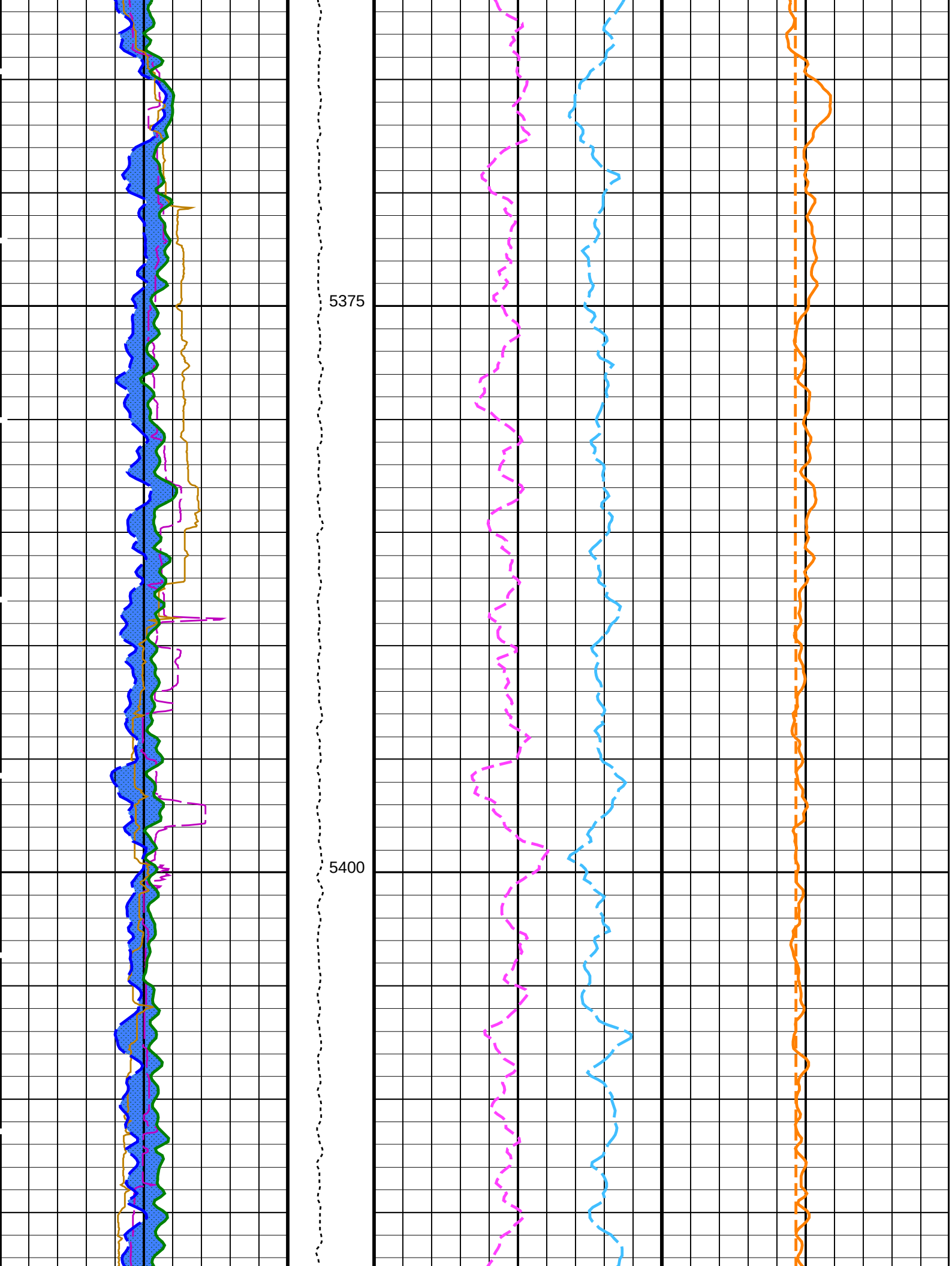
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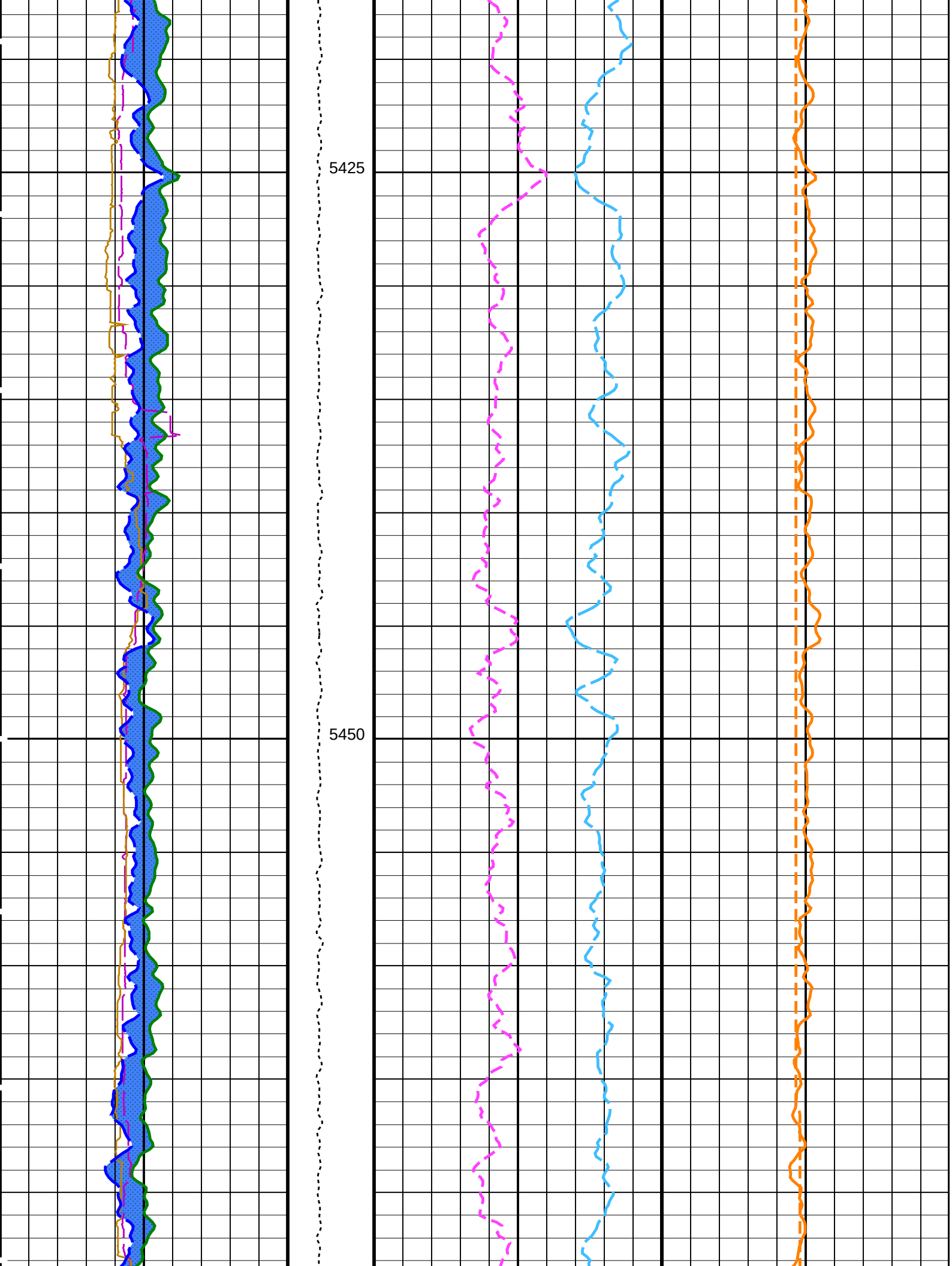
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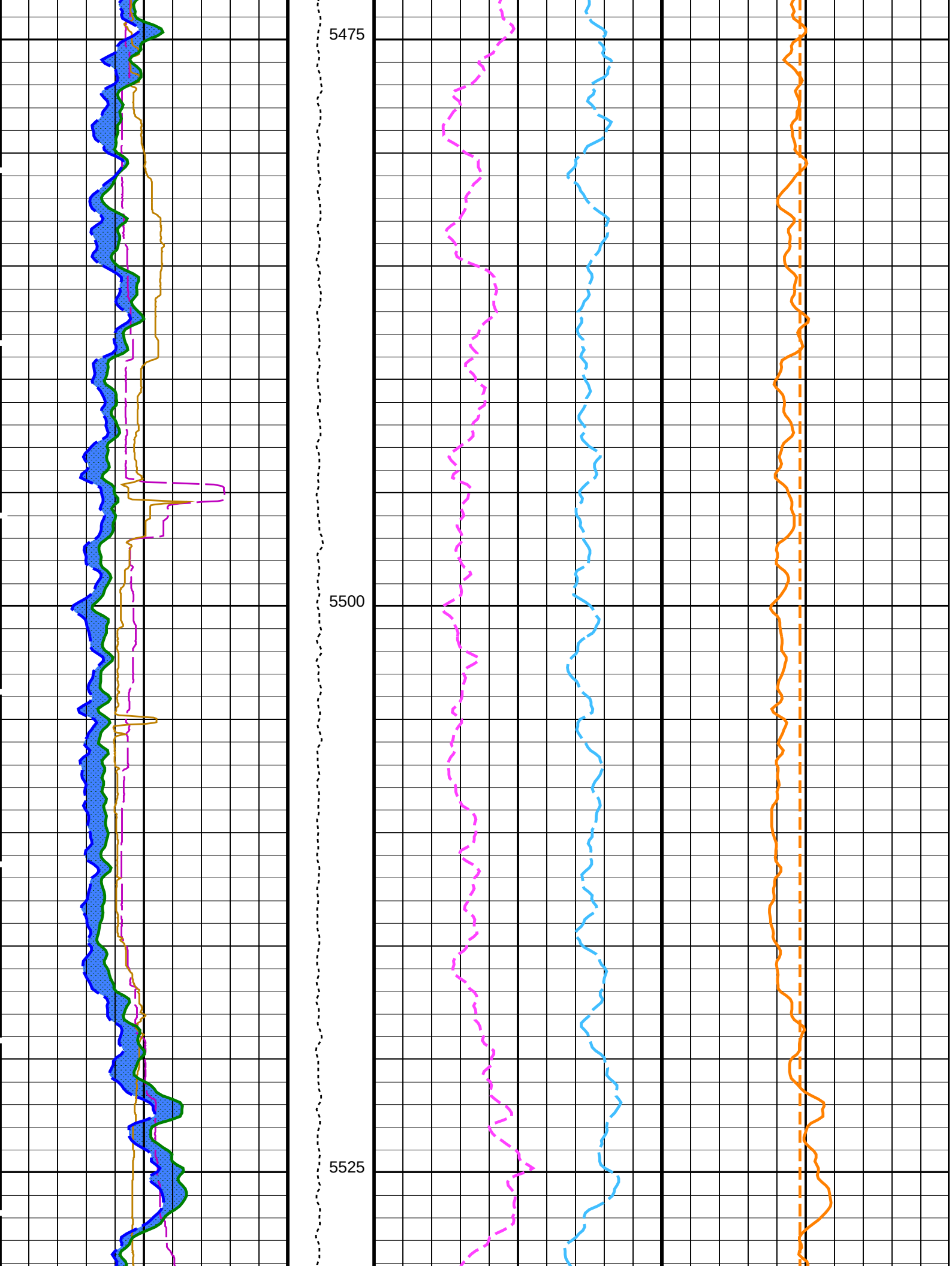
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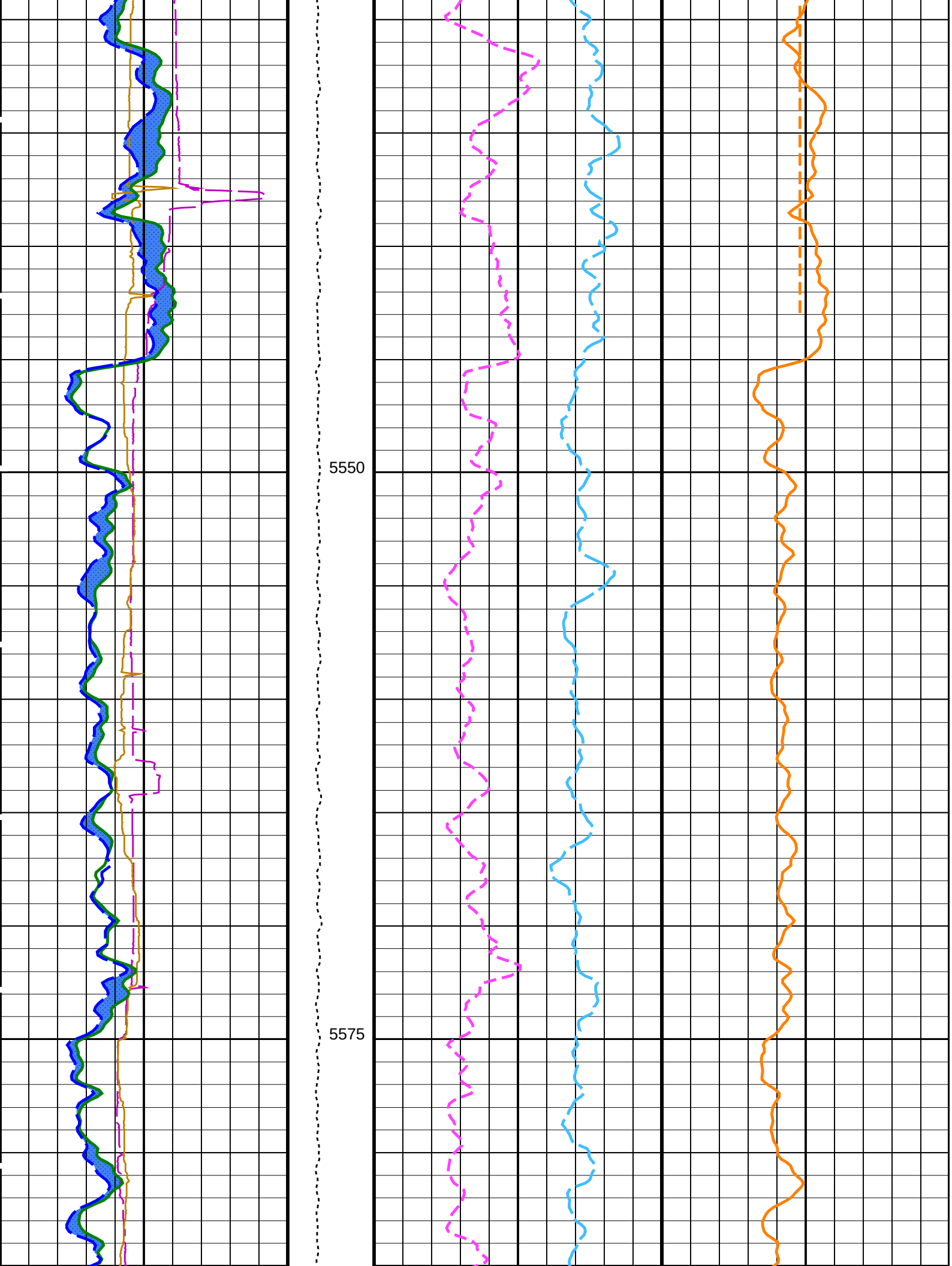
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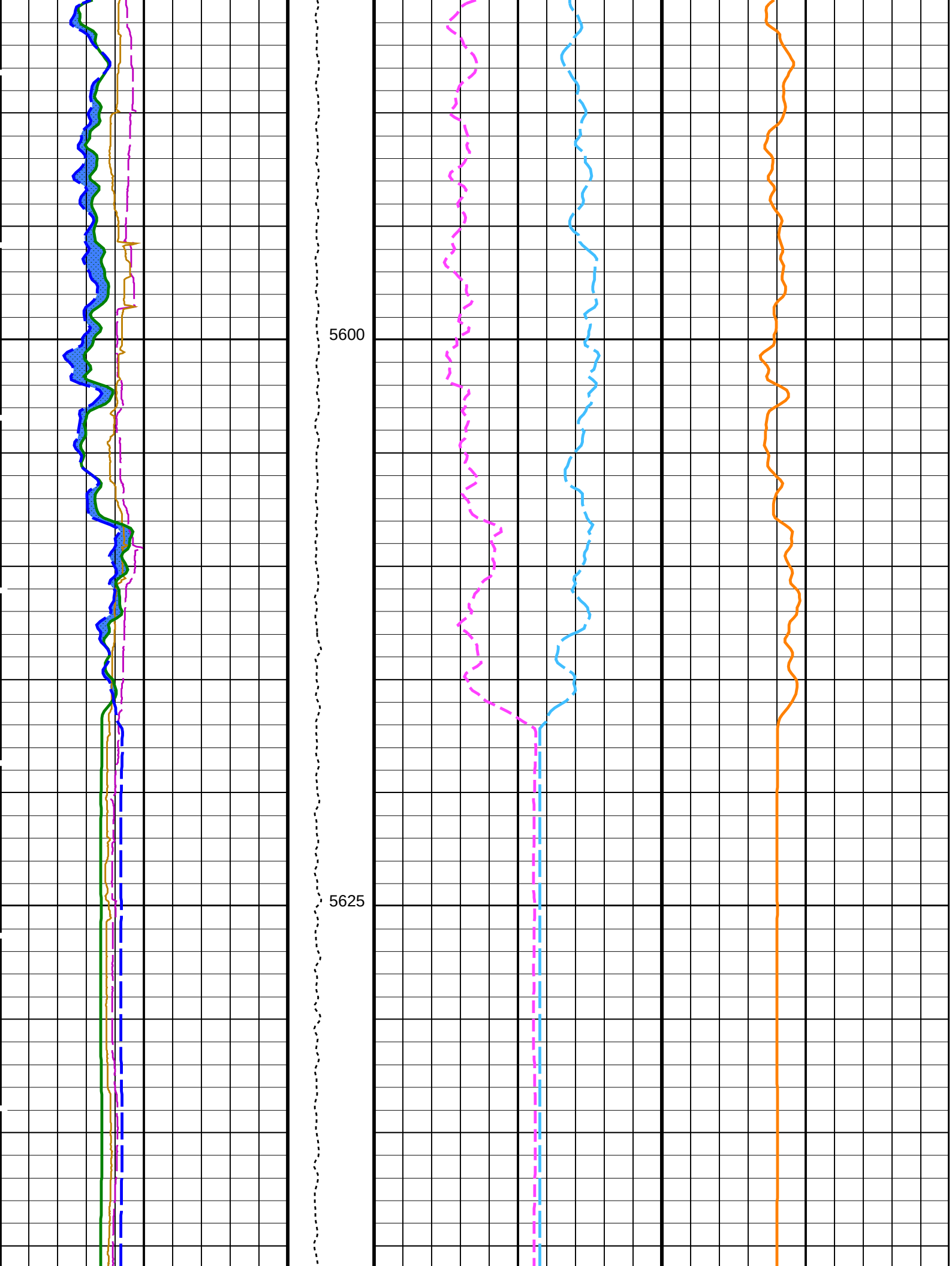
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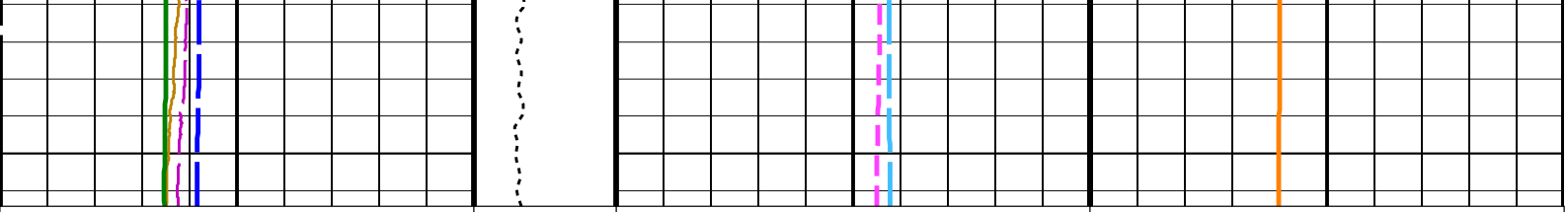


Caliper 1 (C1)
6 (IN) 16

Tension (TENS) (LBF)
10000 0

HNGS Thorium (HTHO)
−1 (PPM) 14

HNGS Potassium (HFK)
−0.01 (−−−−) 0.04

Caliper 2 (C2)
6 (IN) 16

HNGS Uranium (HURA)
−5 (PPM) 10

HNGS Computed Gamma Ray (HCGR)
0 (GAPI) 100

HNGS Borehole Potassium (HBHK)
−0.05 (−−−−) 0.05

Area1
From HCGR to HSGR

HNGS Spectroscopy Gamma Ray (HSGR)
0 (GAPI) 100

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	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	−0.00317149	
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	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma−Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.01573	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.02034	
	EDTC−B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 06−May−2022 00:52

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_061LUP	FN:70	PRODUCER	06−May−2022 00:52	
RTB	FMS_DSI_NGS_061LUP	FN:71	PRODUCER	06−May−2022 00:52	

Output DLIS Files

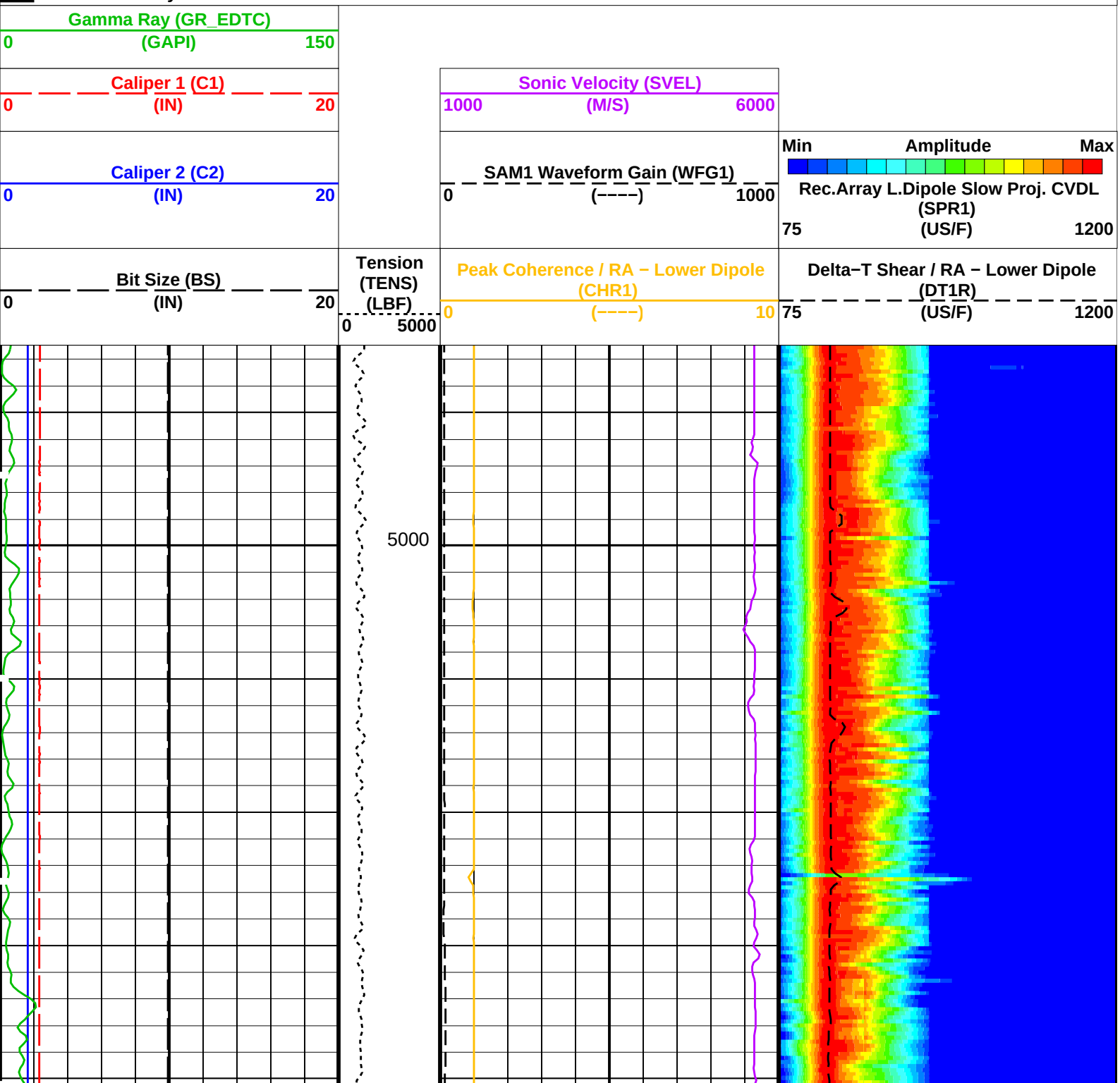
DEFAULT	FMS_DSI_NGS_061LUP	FN:70	PRODUCER	06−May−2022 00:52	5646.4 M	4992.5 M
RTB	FMS_DSI_NGS_061LUP	FN:71	PRODUCER	06−May−2022 00:52	5646.4 M	4992.5 M

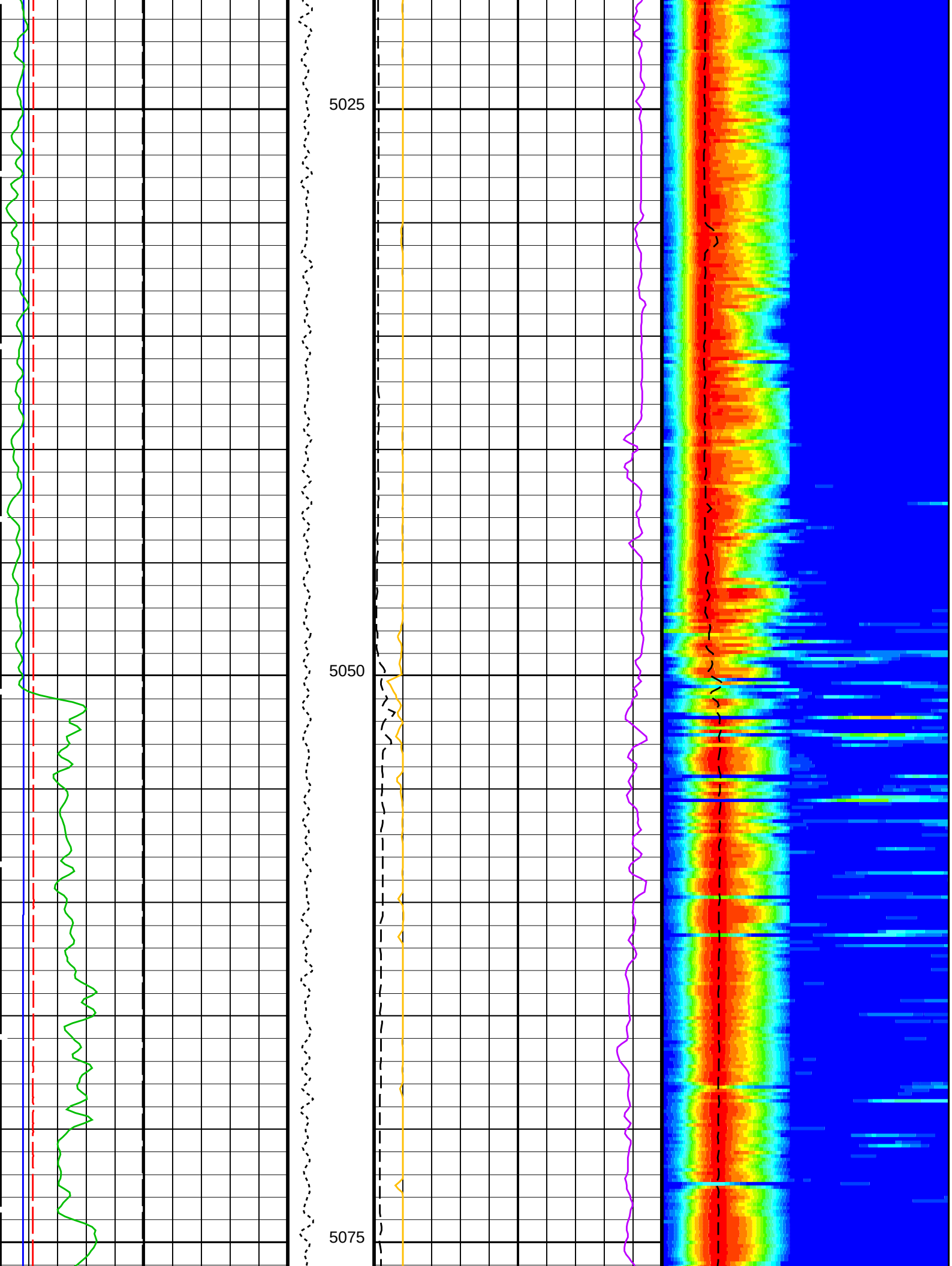
OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

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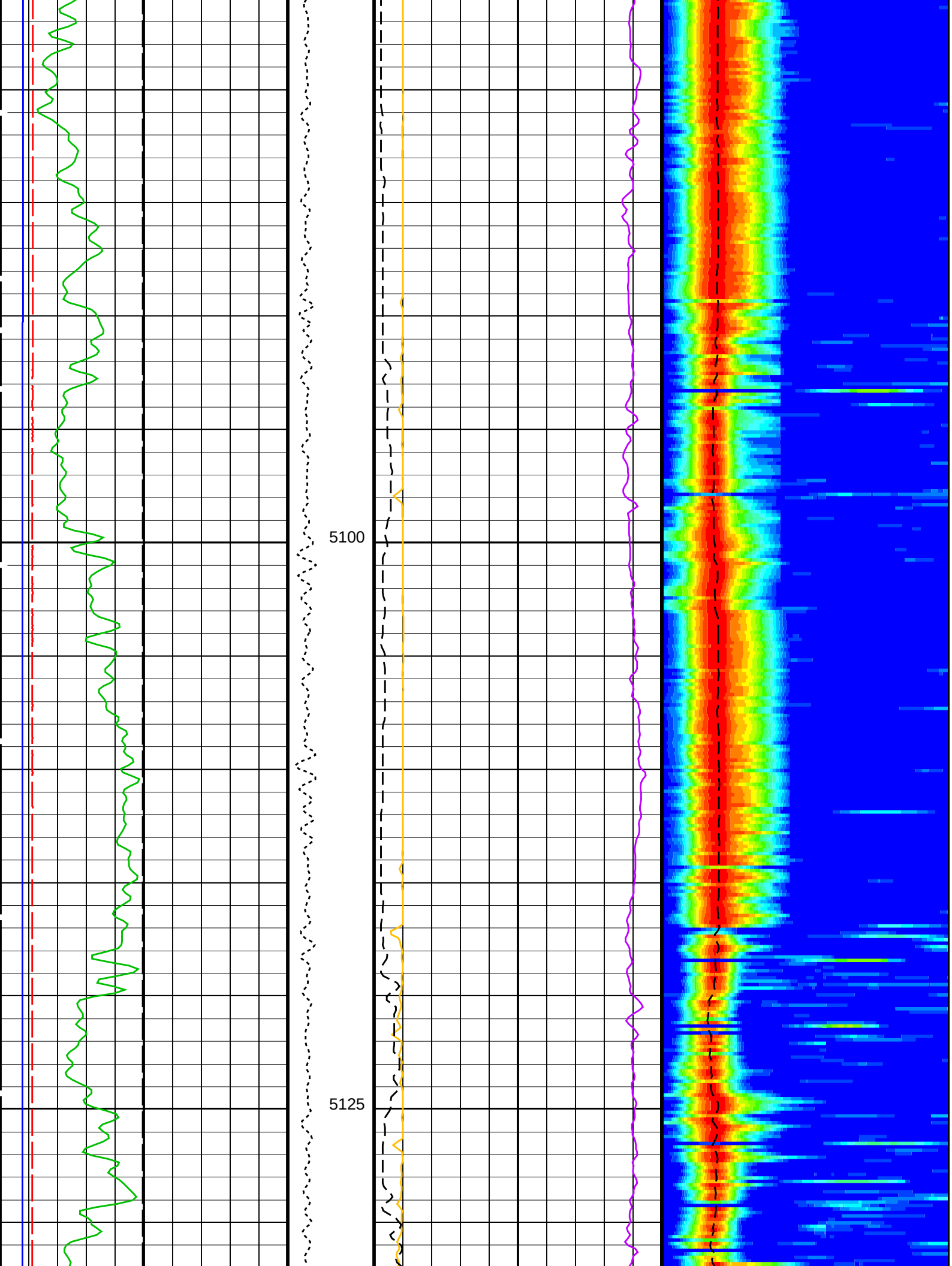
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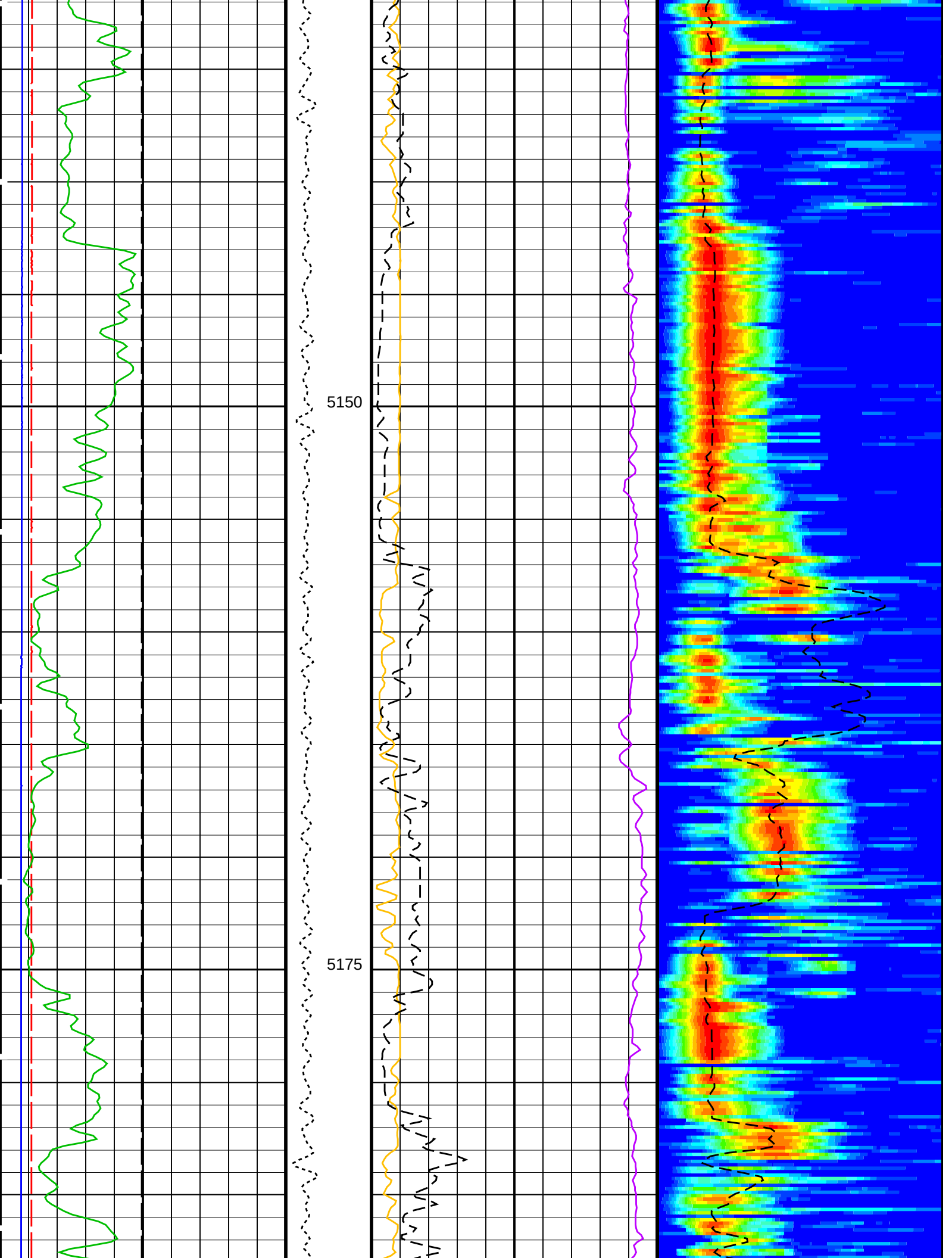
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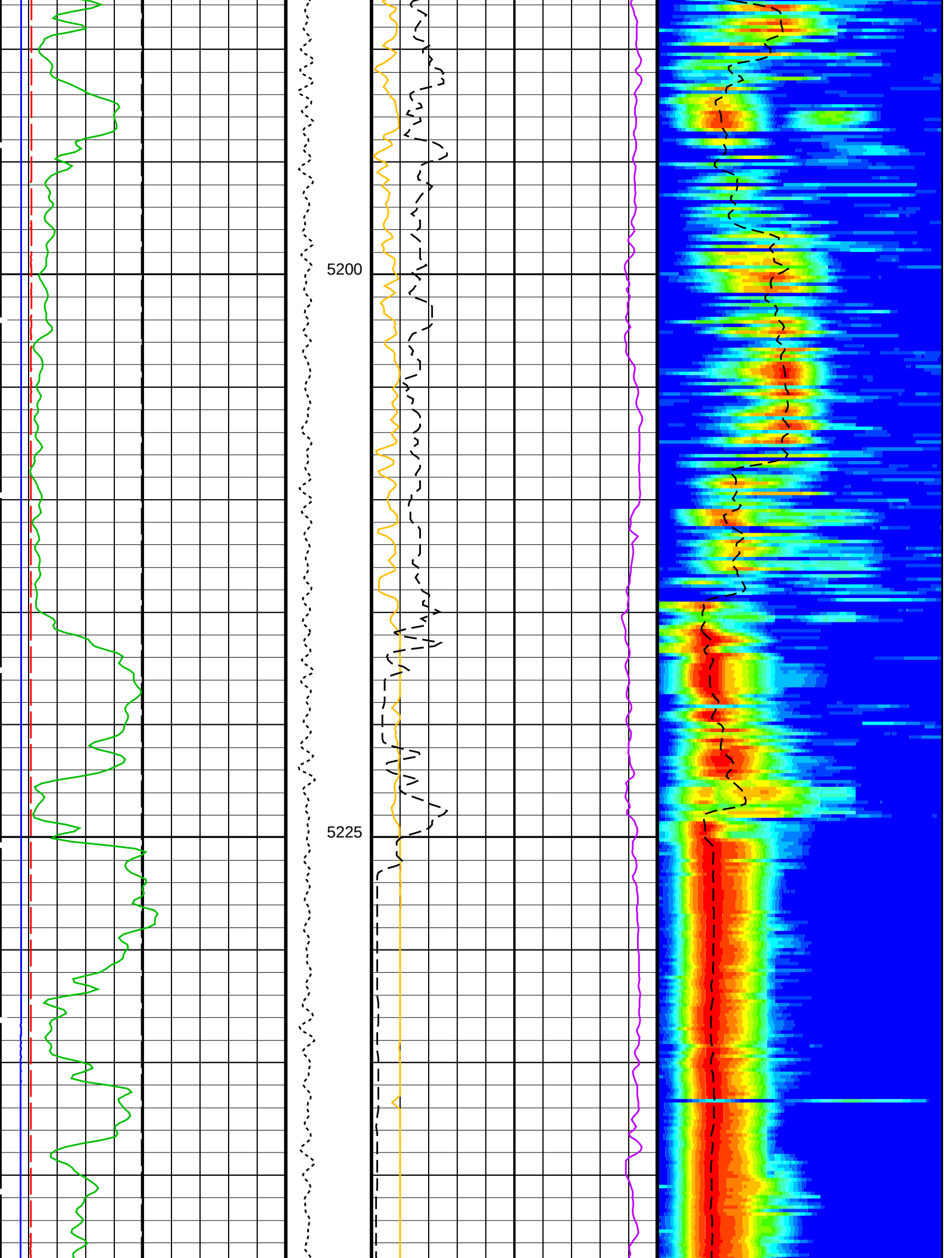
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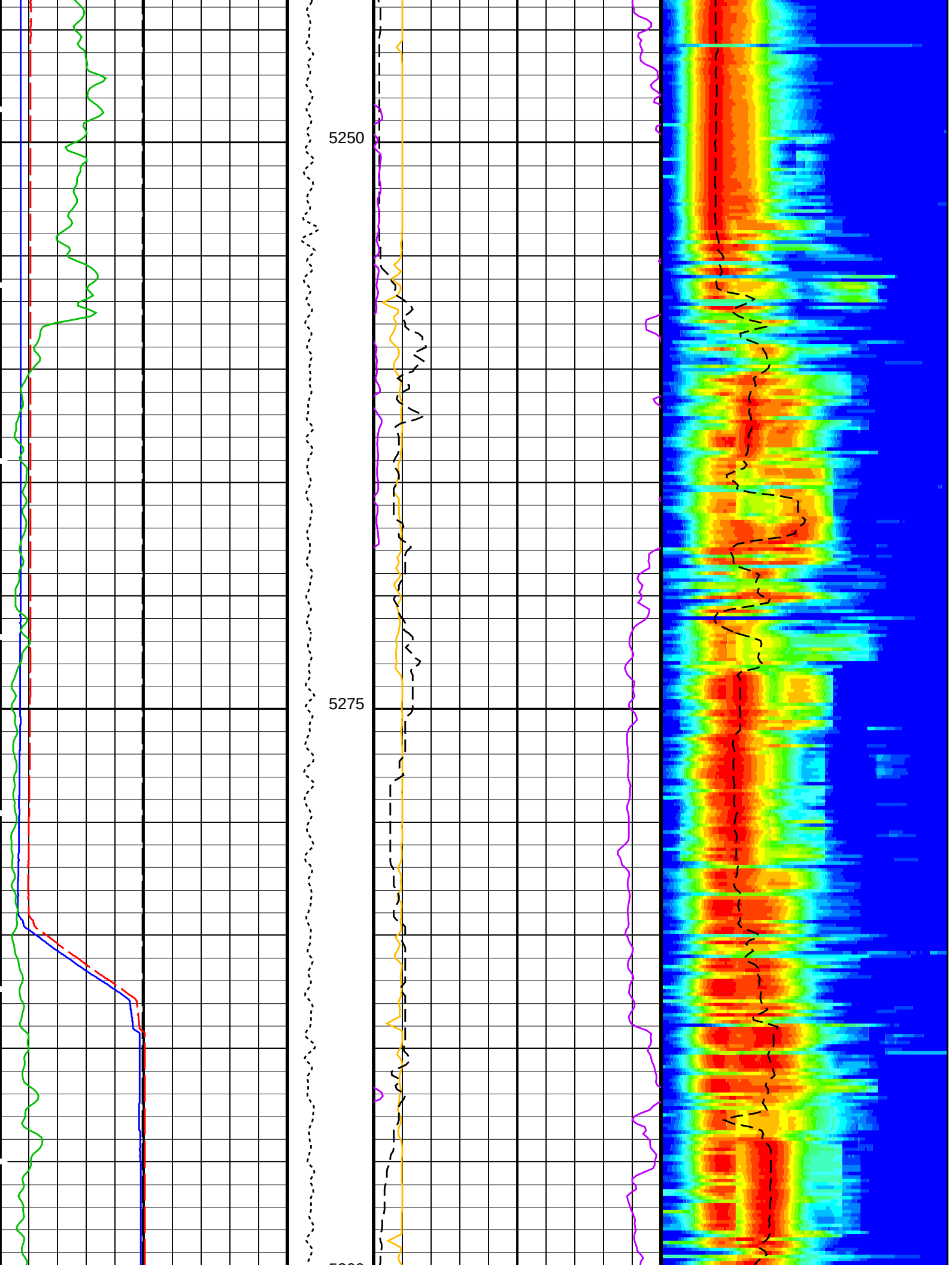
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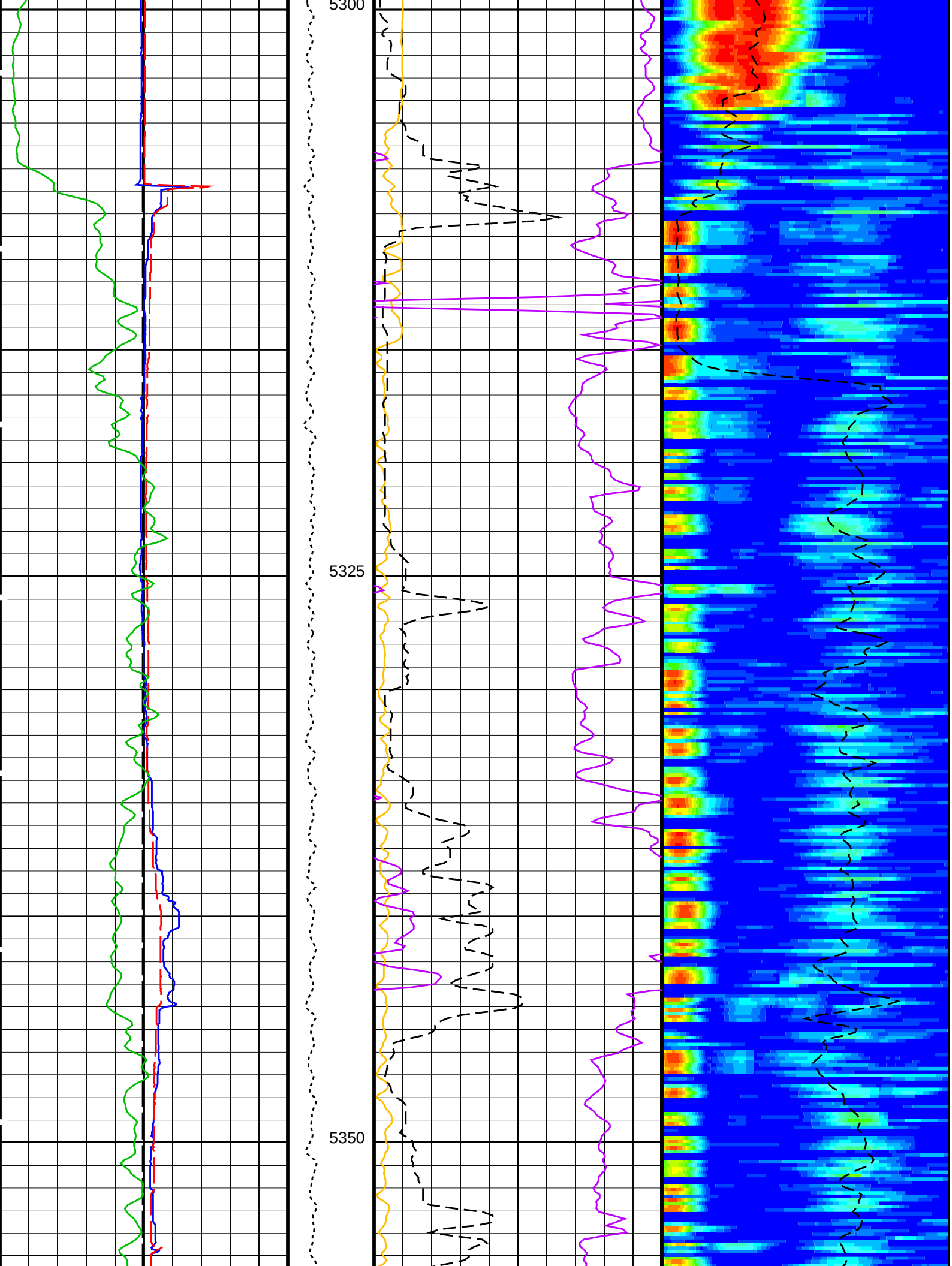
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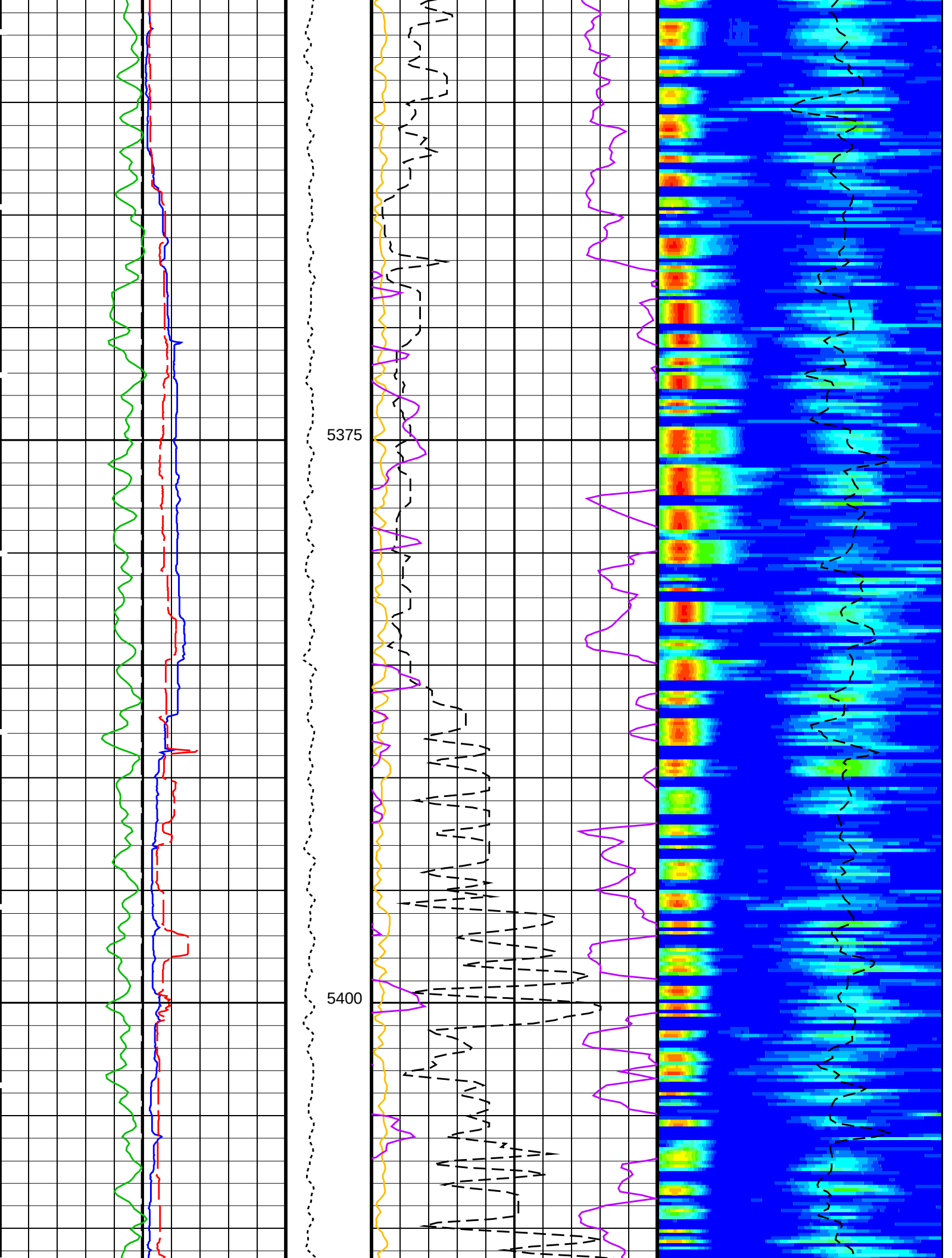
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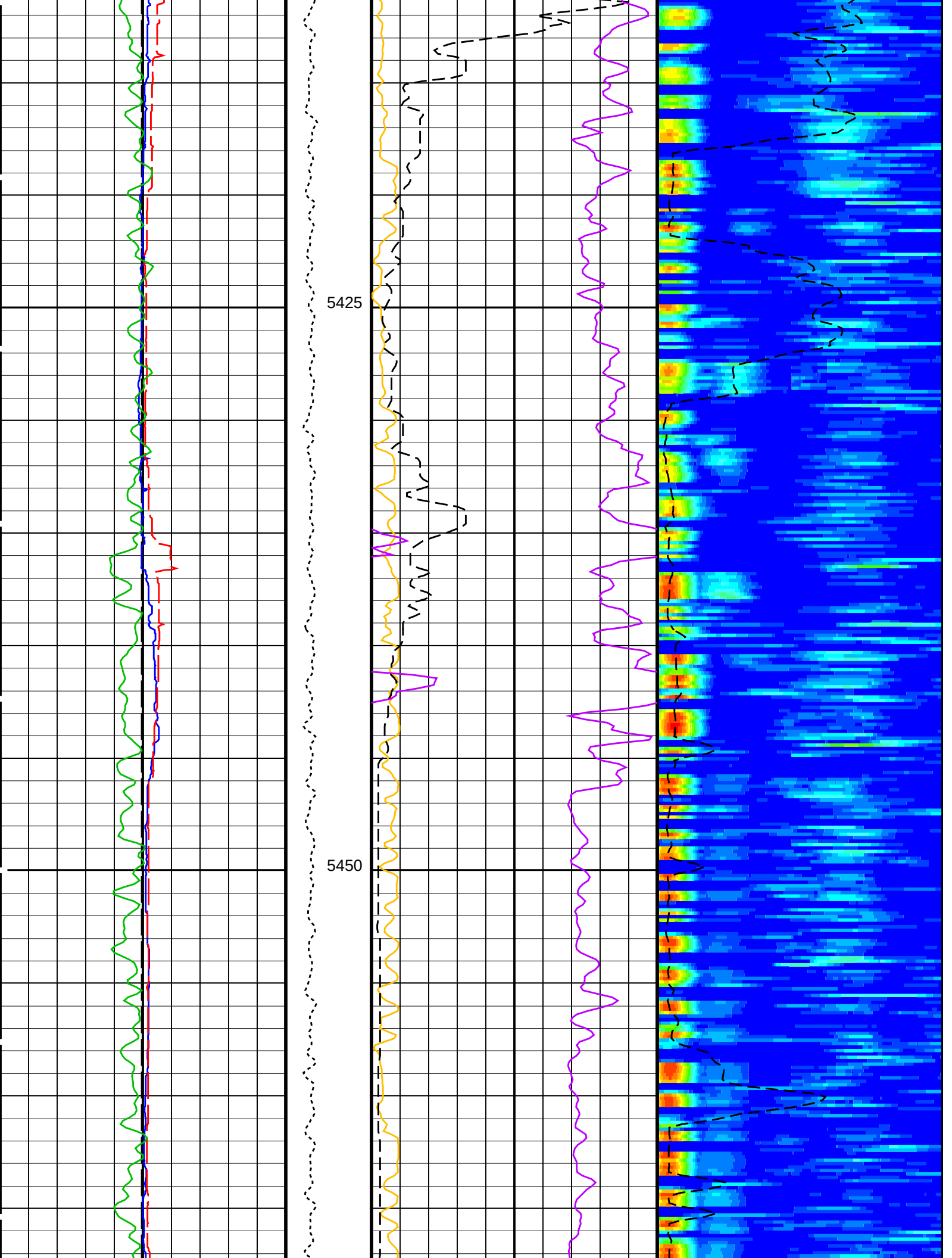
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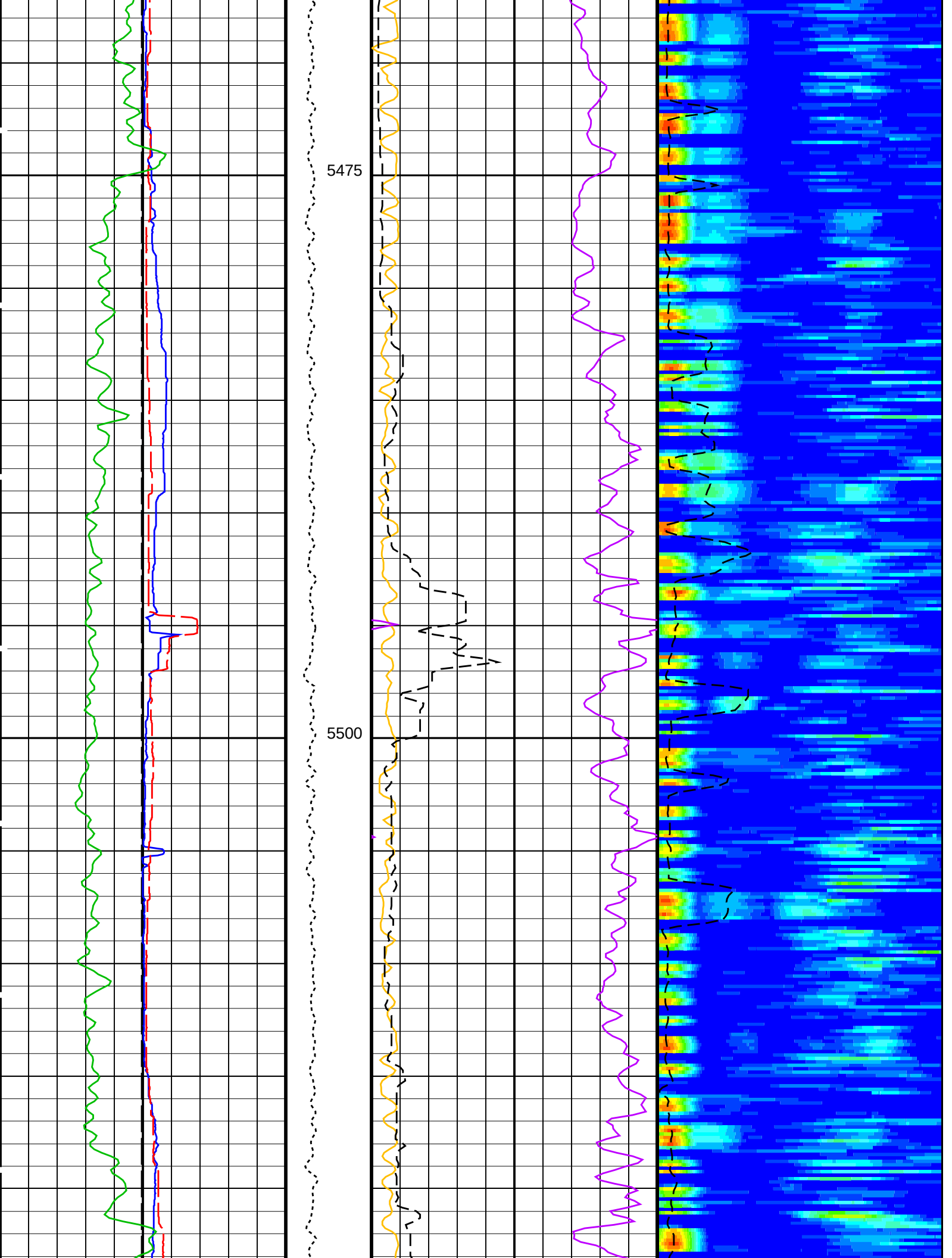
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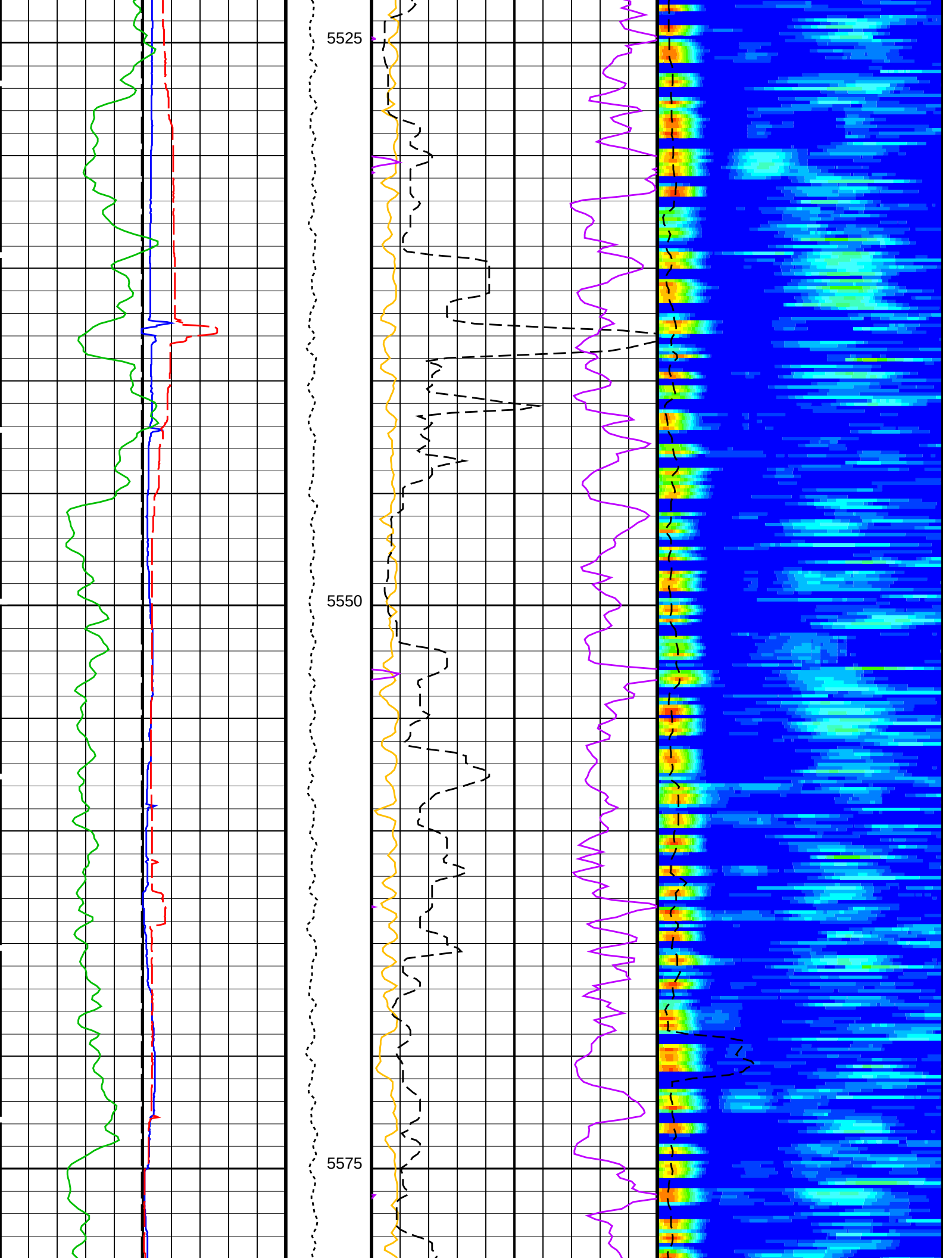
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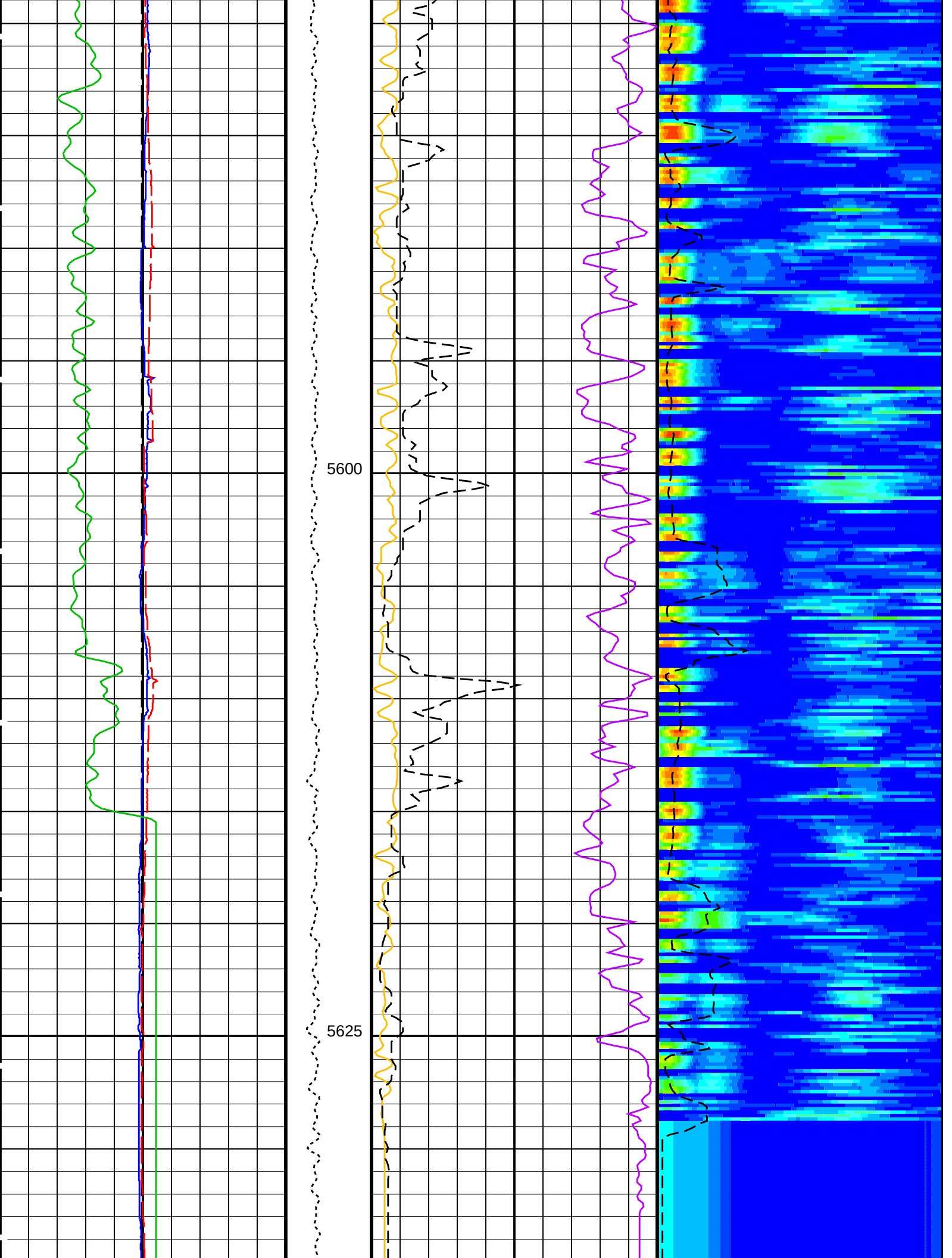
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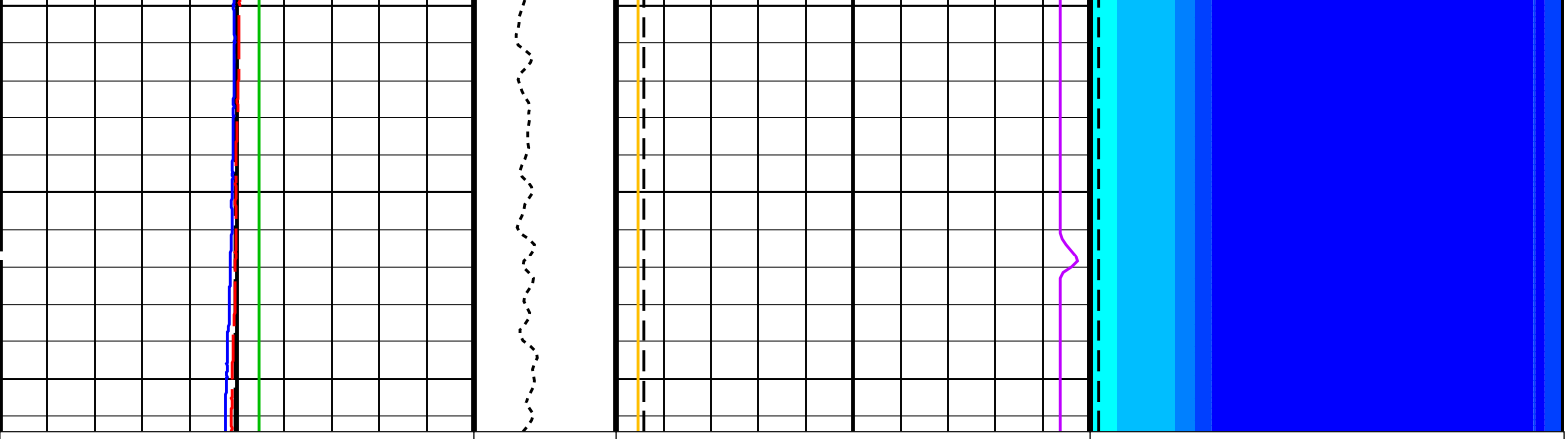


Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
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	50	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1000	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	40	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	1400	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

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06−May−2022 00:52

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_061LUP	FN:70	PRODUCER	06−May−2022 00:52	
RTB	FMS_DSI_NGS_061LUP	FN:71	PRODUCER	06−May−2022 00:52	

Company: International Ocean Discovery Program Well: Expedition 390, Site U1556B

Output DLIS Files

DEFAULT	FMS_DSI_NGS_061LUP	FN:70	PRODUCER	06−May−2022 00:52	5646.4 M	4992.5 M
RTB	FMS_DSI_NGS_061LUP	FN:71	PRODUCER	06−May−2022 00:52	5646.4 M	4992.5 M

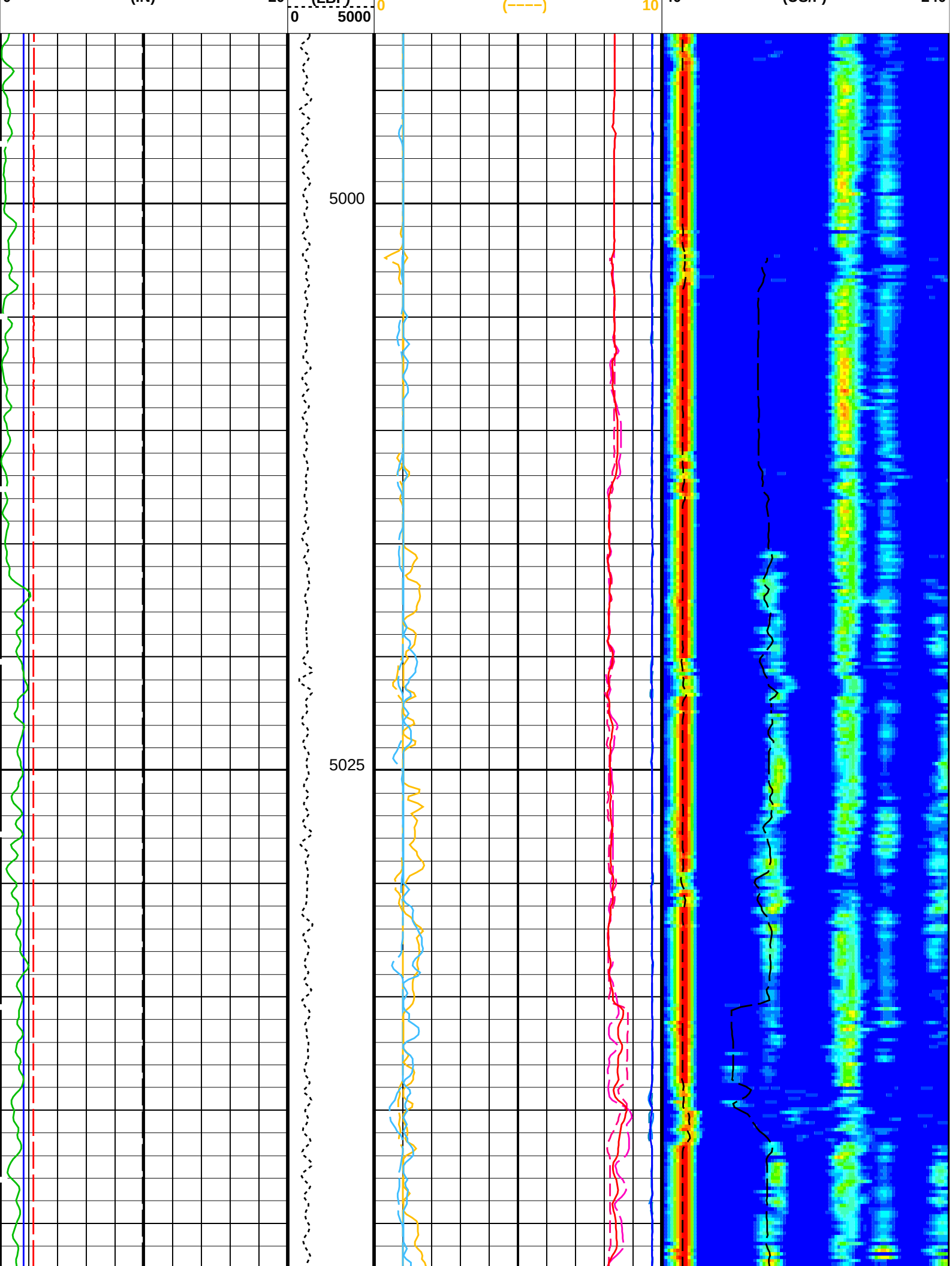
OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

		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		
Gamma Ray (GR_EDTC) 0 (GAPI) 150		Peak Coherence / TA − P & S Shear (CHTS) −1 (−−−−) 9		
Caliper 2 (C2) 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	
Caliper 1 (C1) 0 (IN) 20		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)	Peak Coherence / RA − P & S Comp (CHRP)	Delta−T Comp / RA − P & S (DTRP) 40 (US/F) 240	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(EDF)
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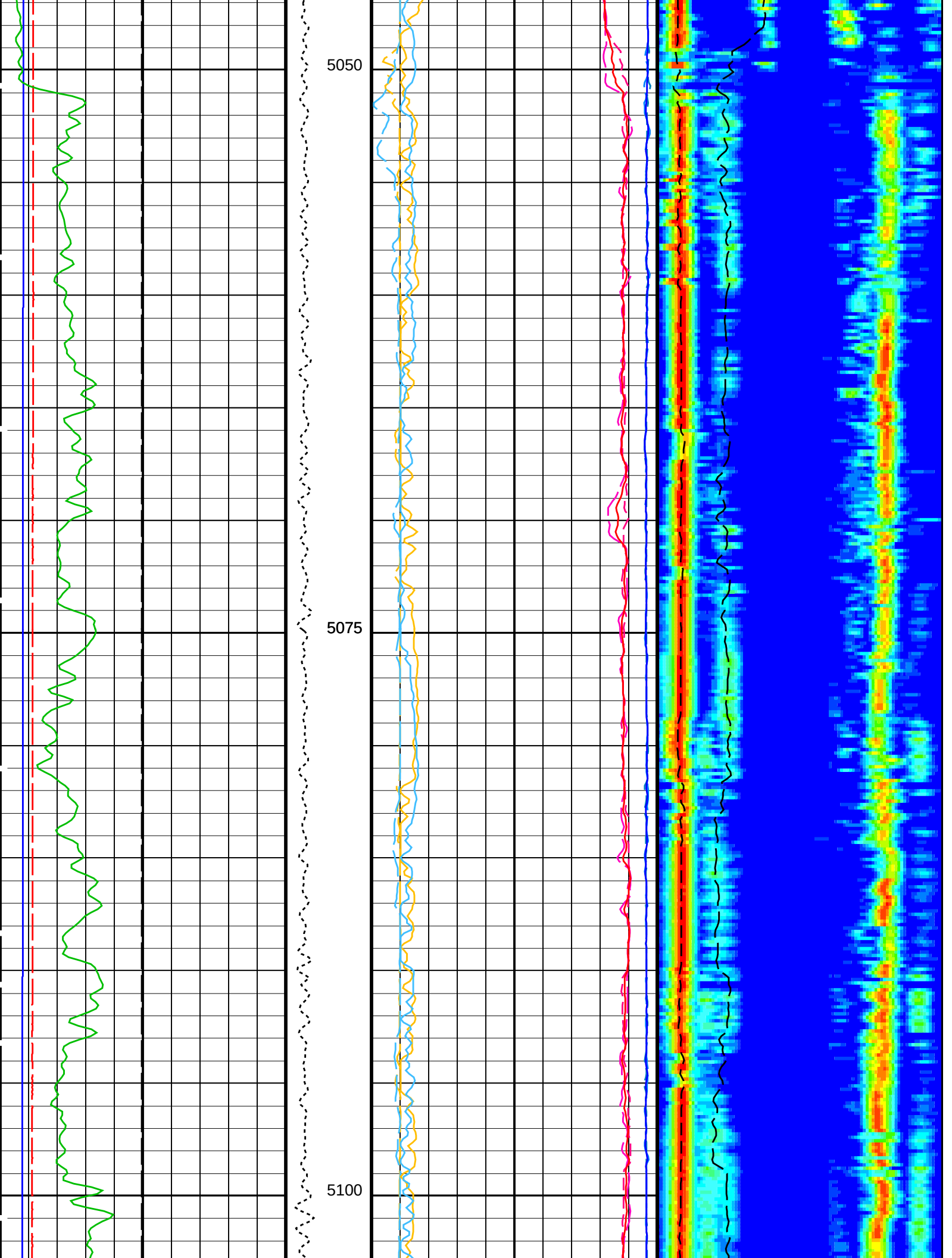
0
(----)
10
(GAPI)
5000
5025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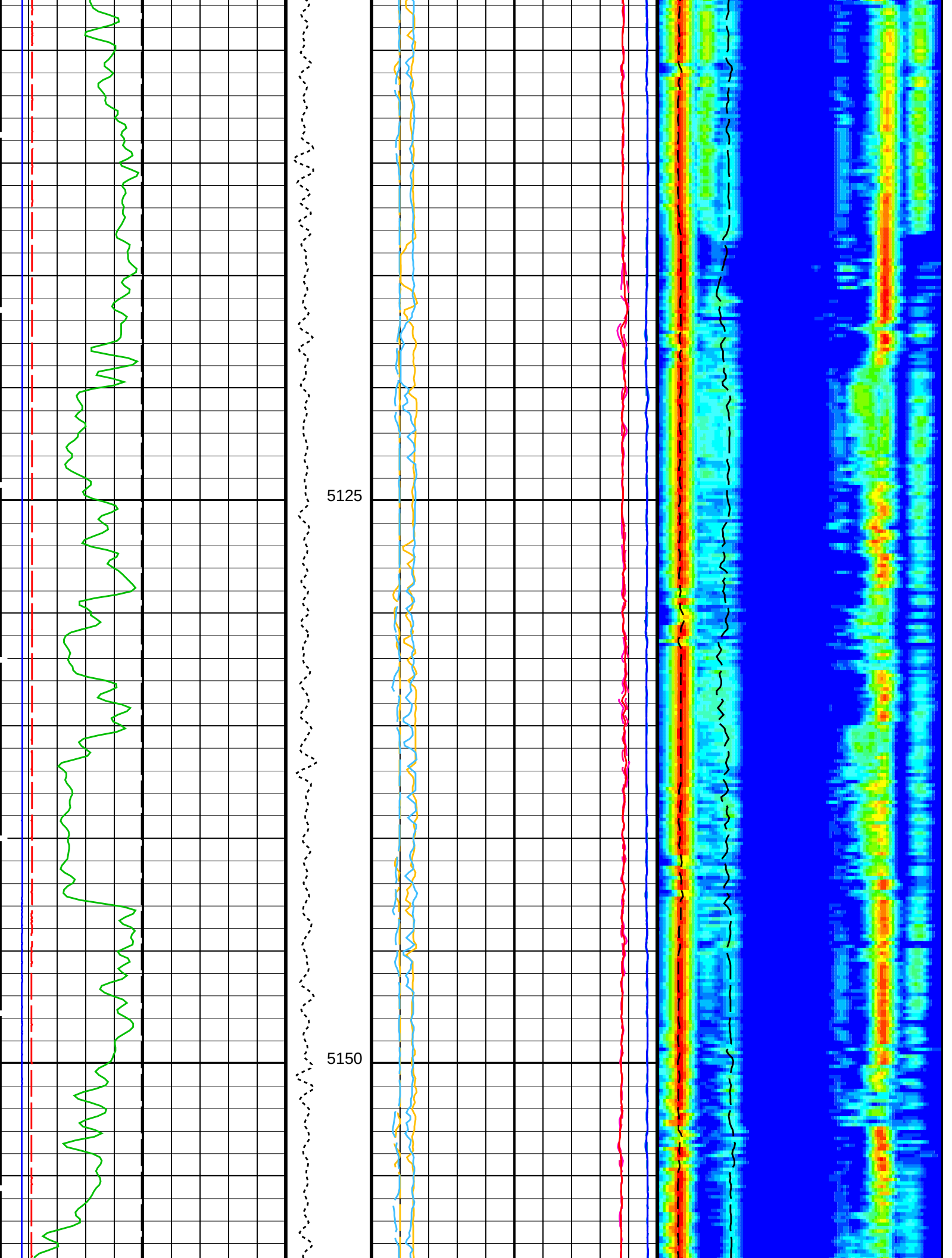
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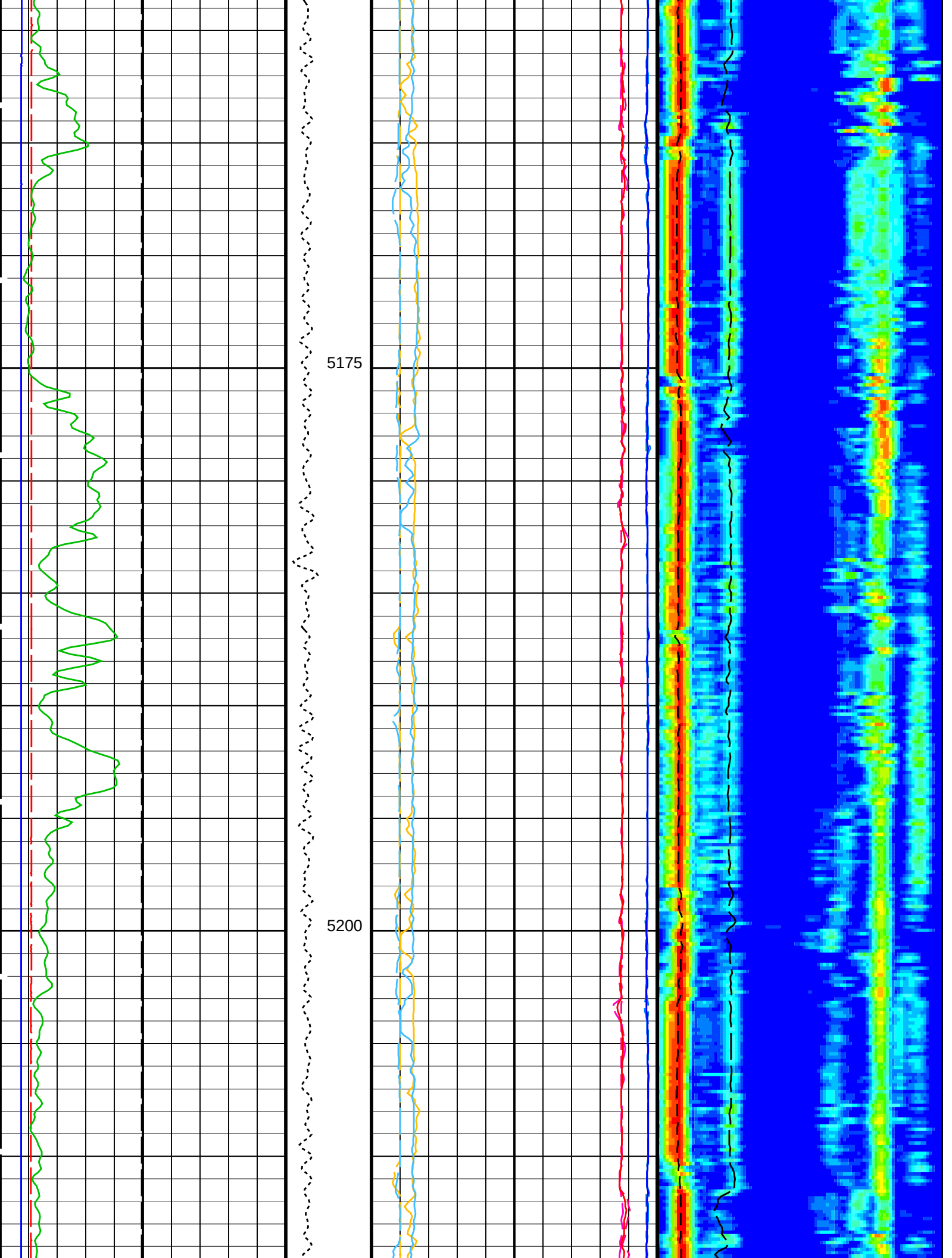
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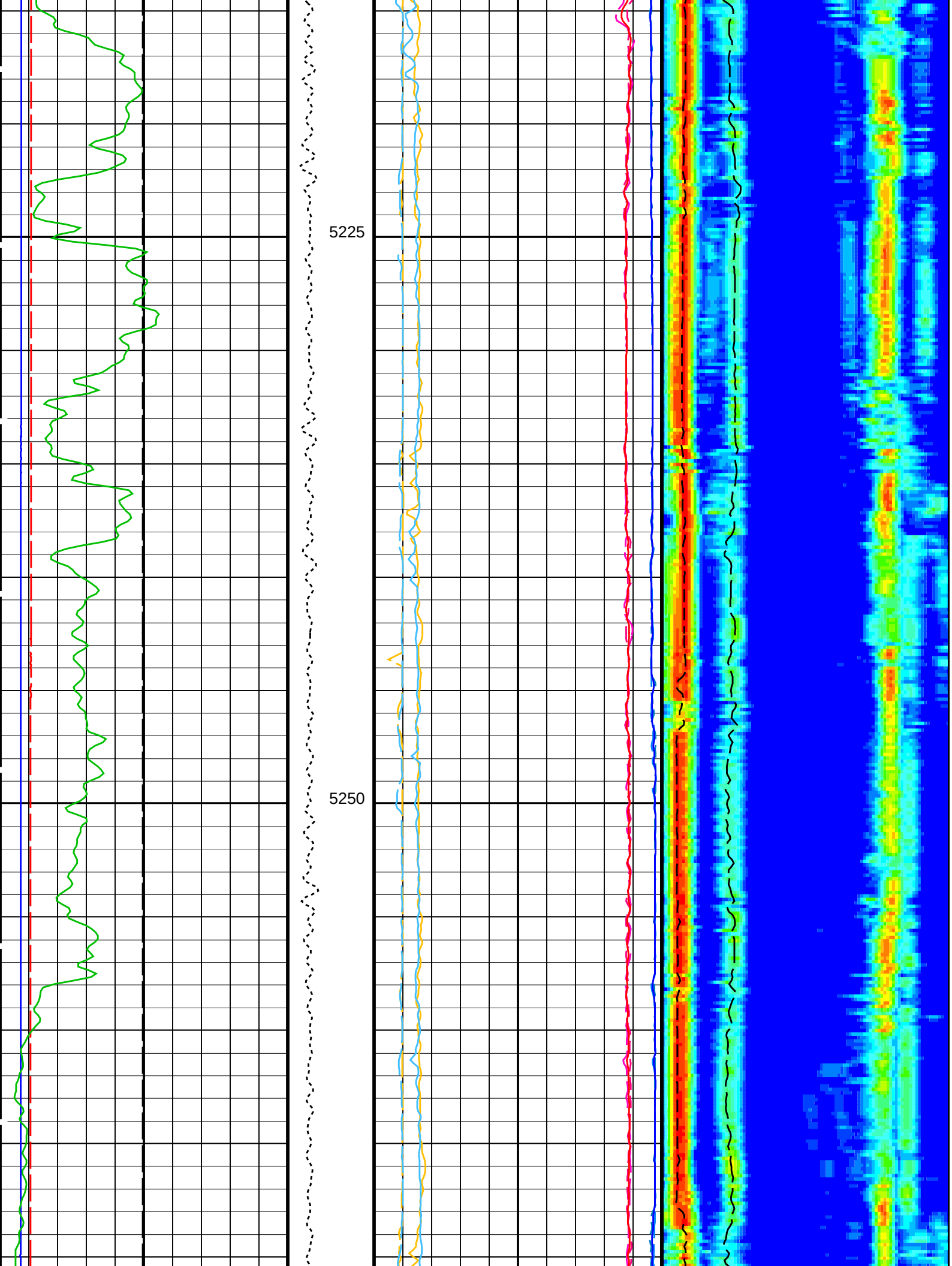
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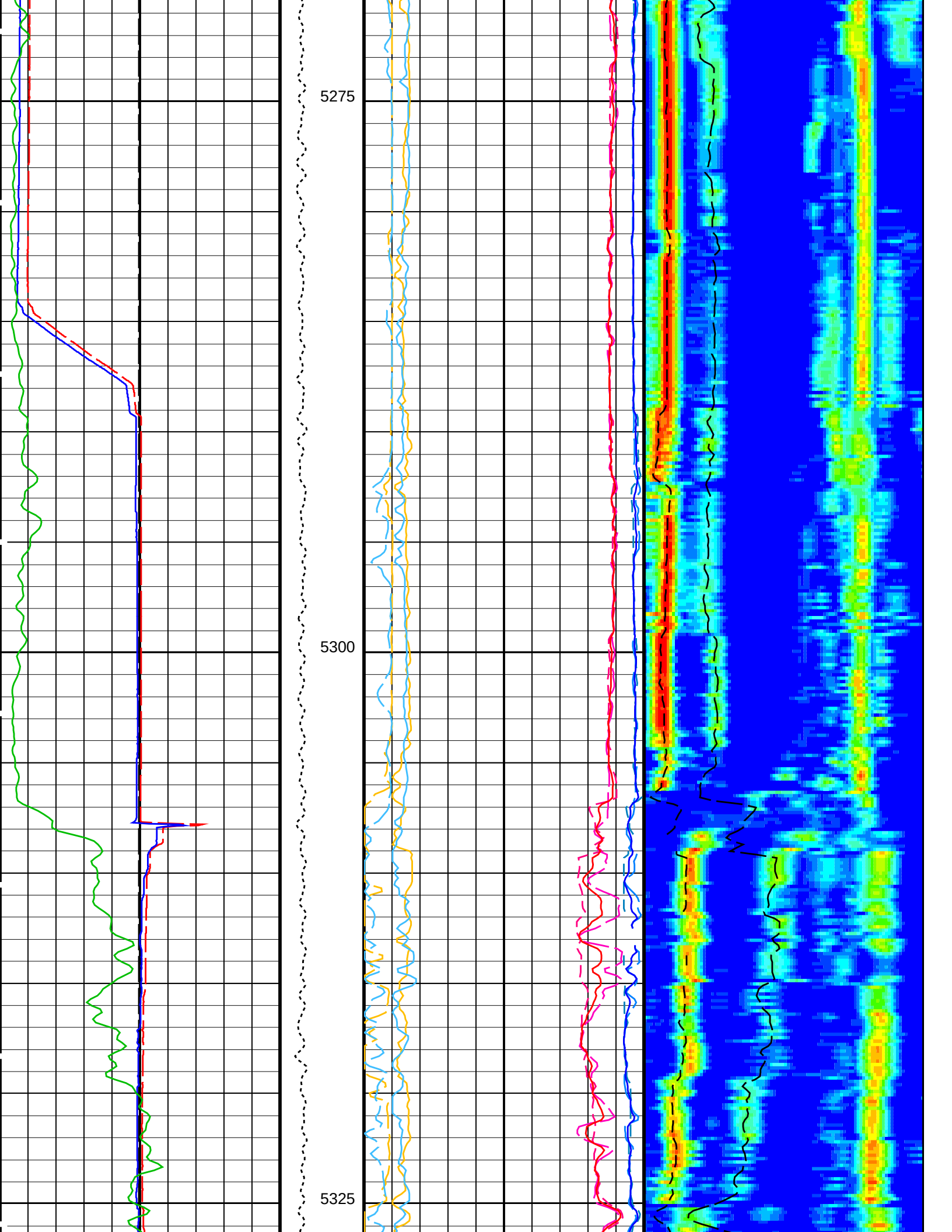
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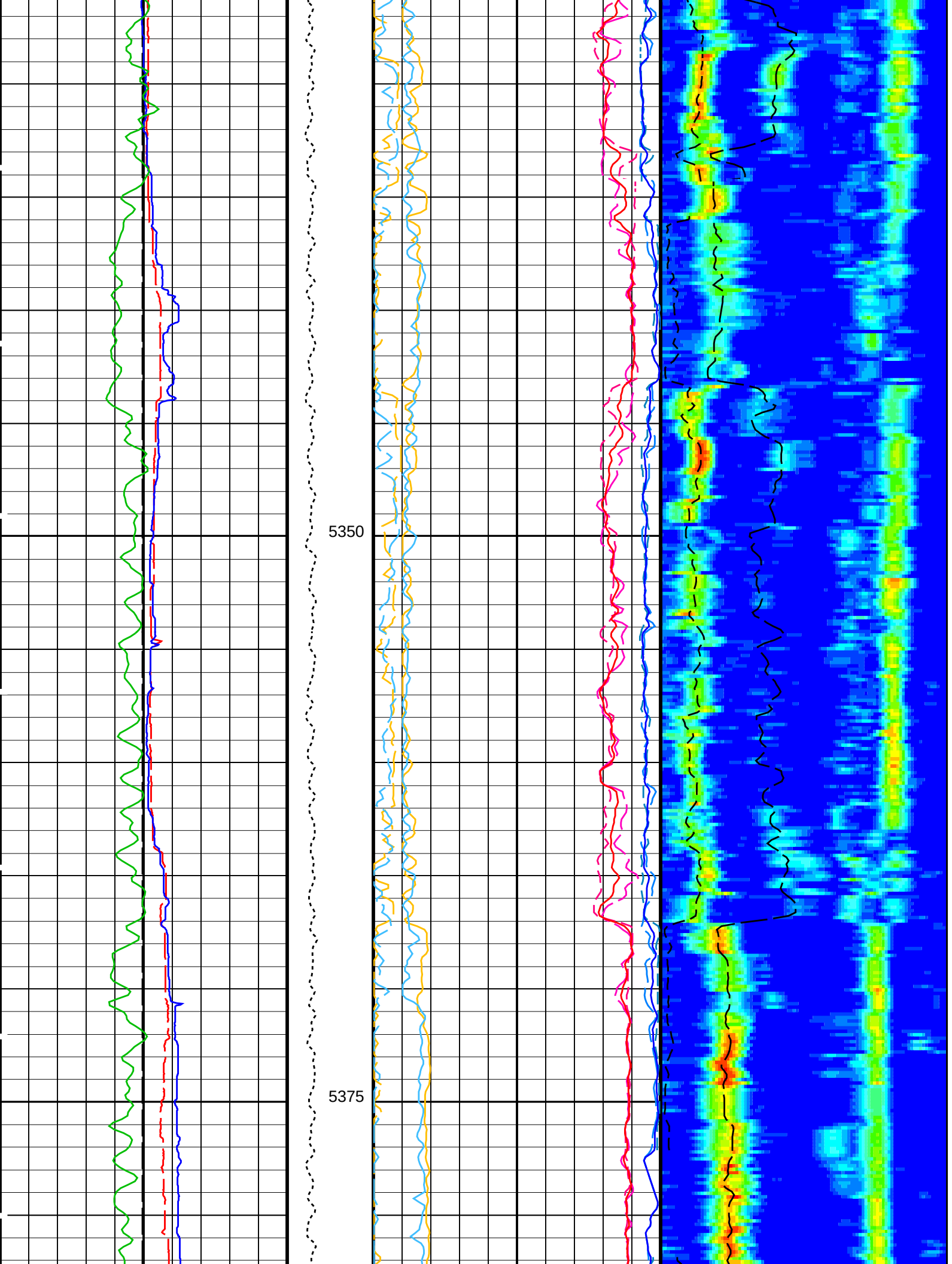
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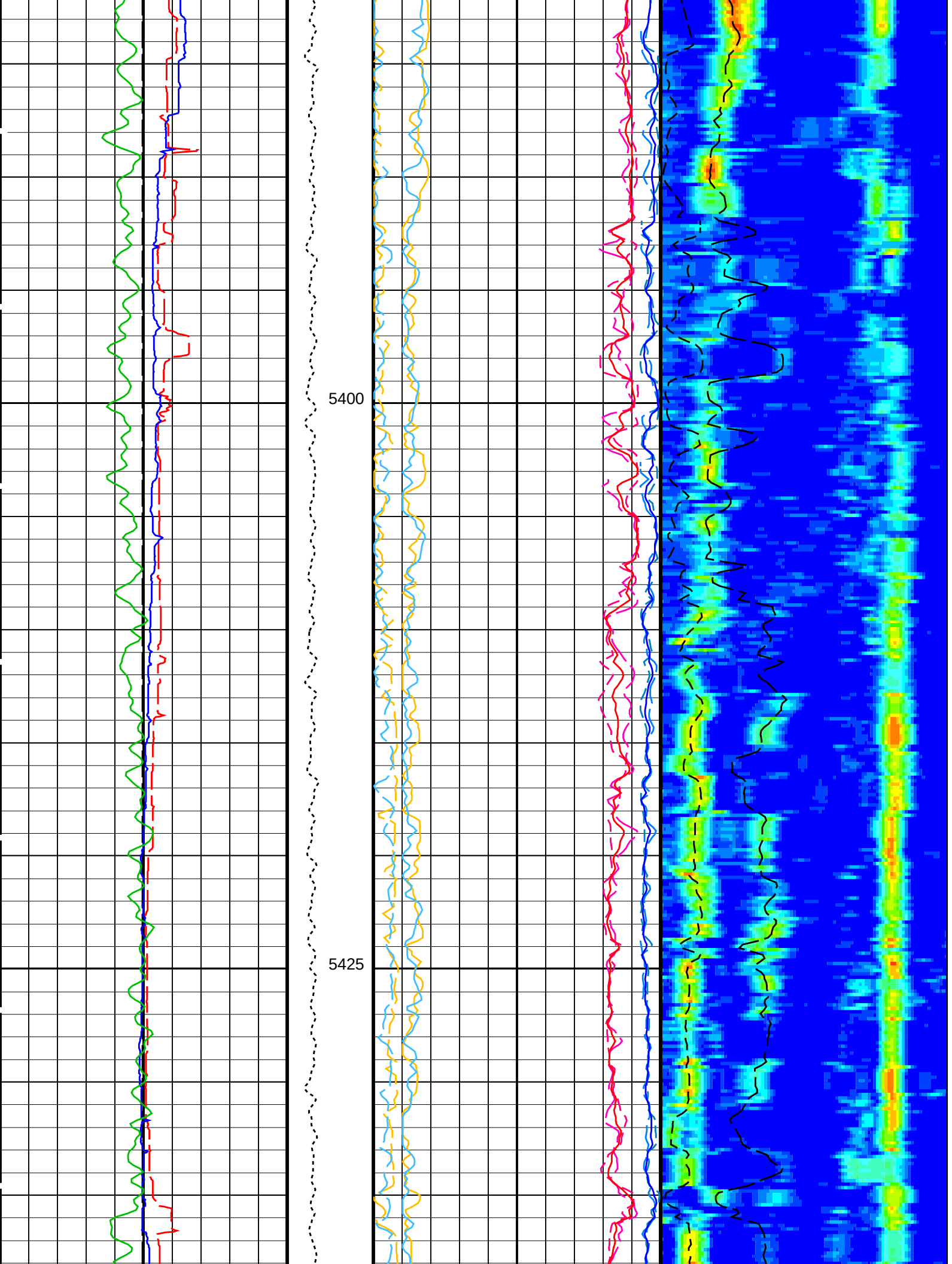
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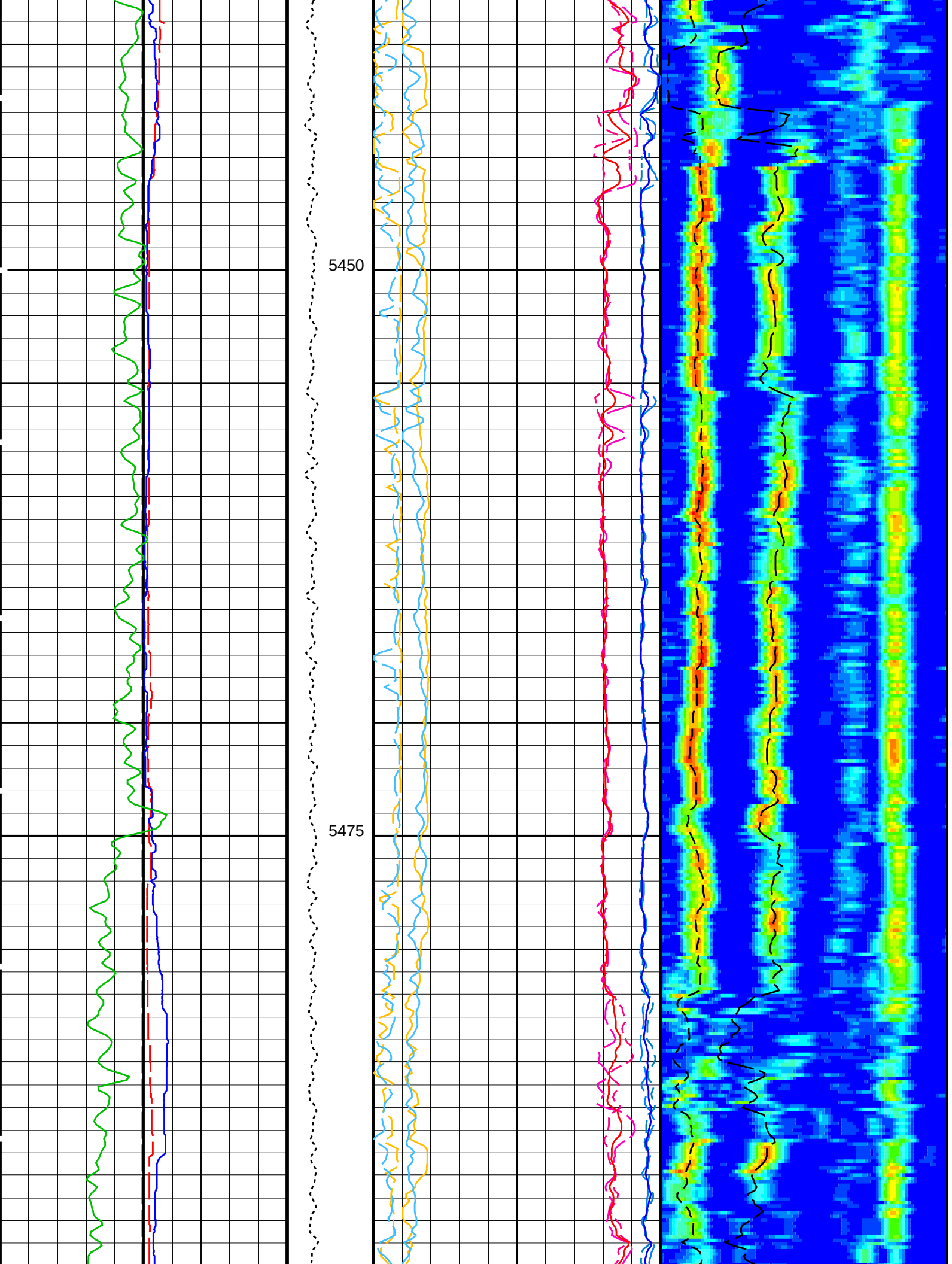
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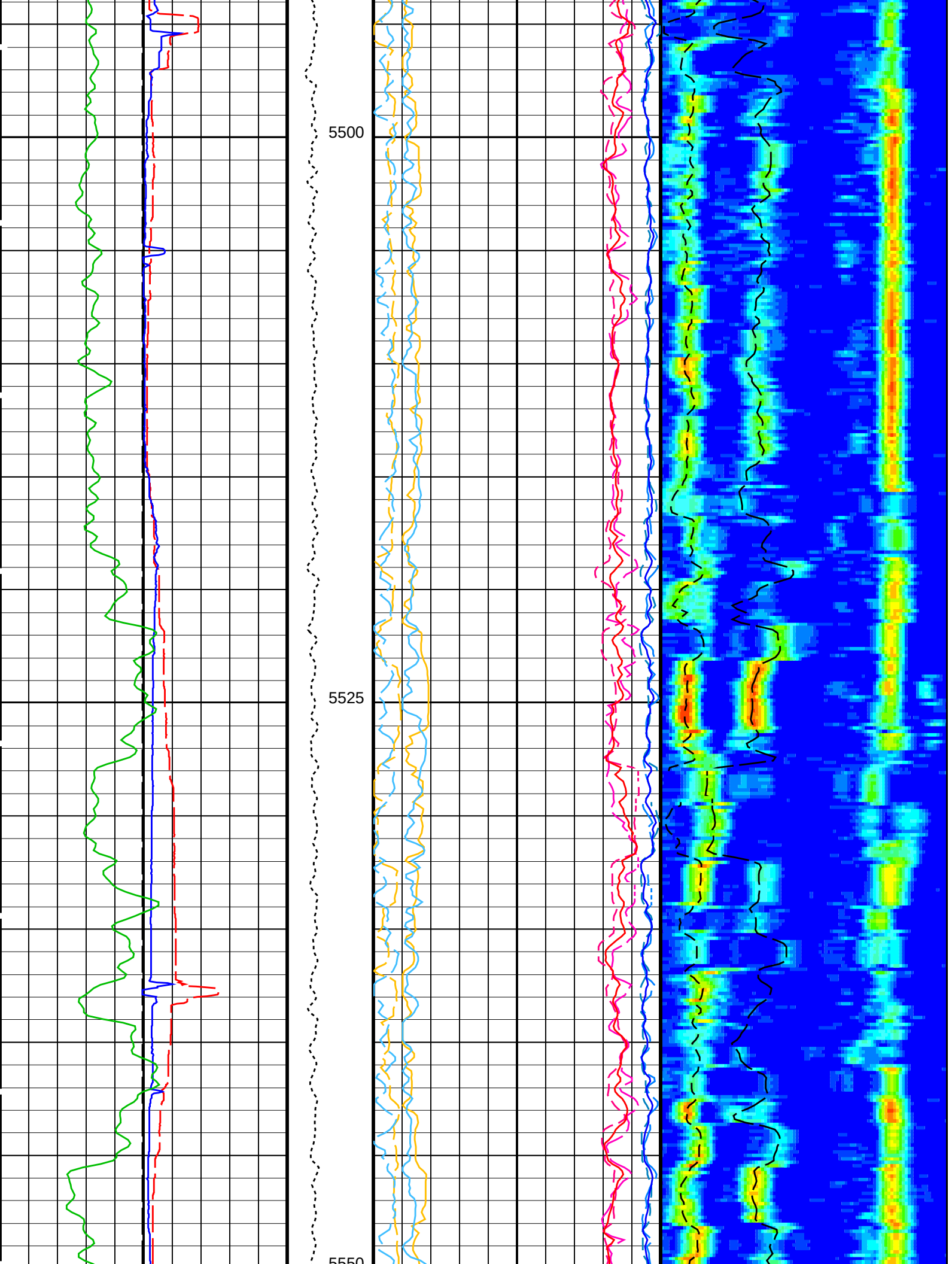
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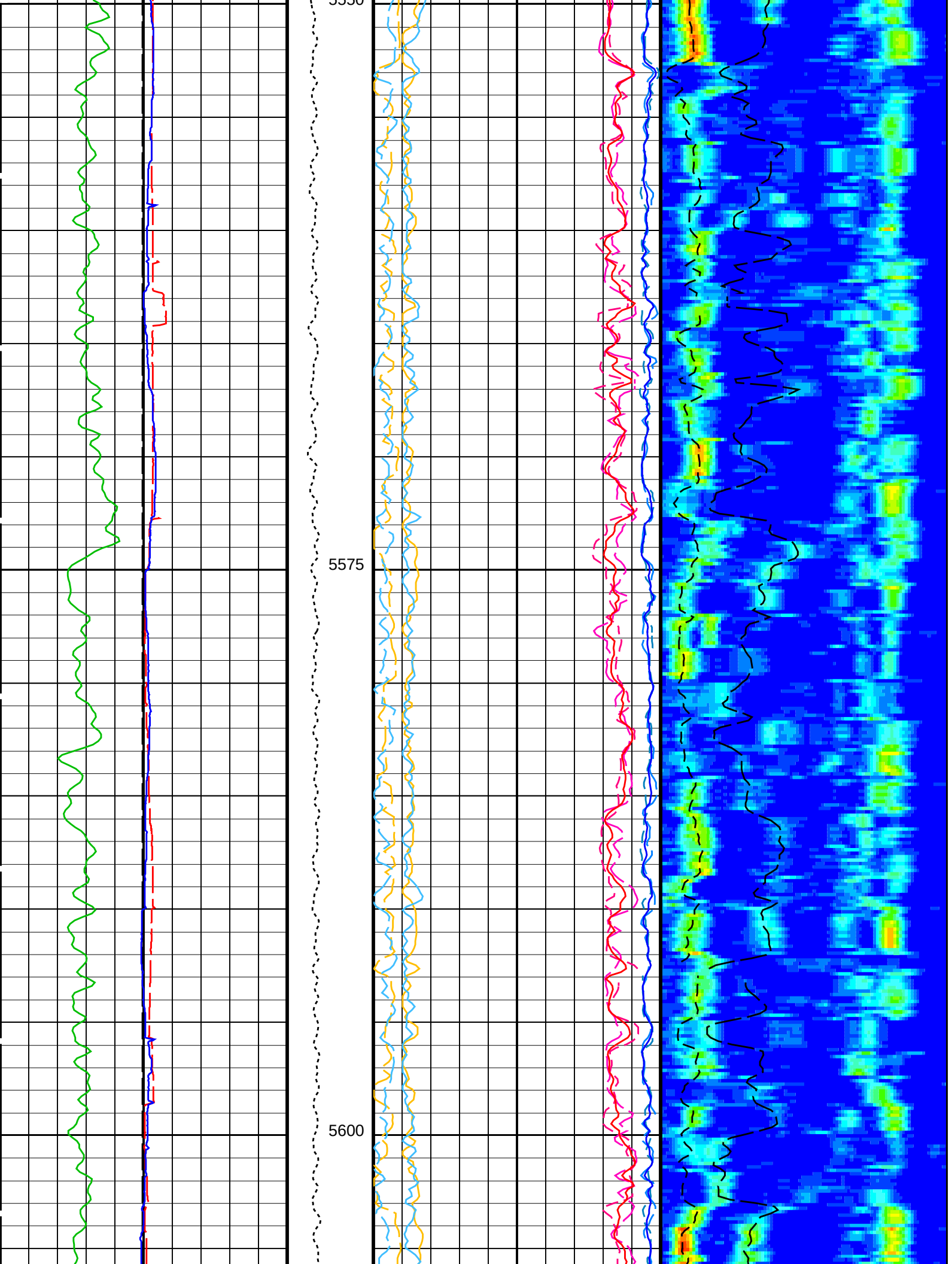
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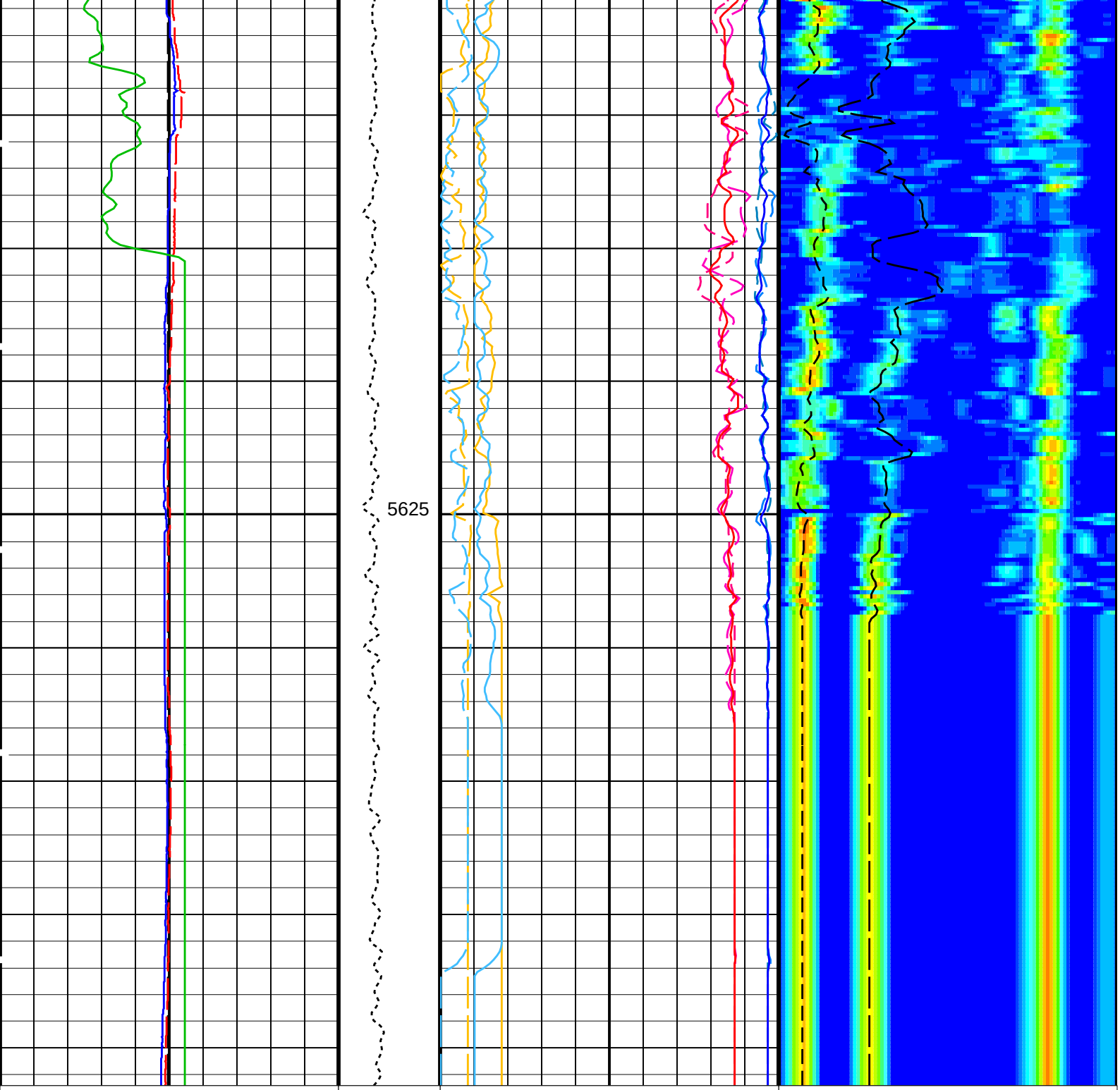


Bit Size (BS)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

Caliper 2 (C2)
0 (IN) 20

Gamma Ray (GR_EDTC)
0 (GAPI) 150

Tension (TENS) (LBF)
0 5000

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

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

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

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

Delta−T Comp / RA − P & S (DTRP)
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

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

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

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	40	US/F
COUL	Label Slowness Upper Limit − Monopole P&S Compressional	70	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	212	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	70	US/F
SHUL	Label Slowness Upper Limit − Monopole P&S Shear	140	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	180	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	780	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	
	HNGS−BA: Hostile Natural Gamma Ray Sonde		
BHS	Borehole Status	OPEN	
	EDTC−B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	

System and Miscellaneous

BS	Bit Size	9.875	IN

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06-May-2022 00:52

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_061LUP	FN:70	PRODUCER	06-May-2022 00:52		
RTB	FMS_DSI_NGS_061LUP	FN:71	PRODUCER	06-May-2022 00:52		

Company: International Ocean Discovery Program Well: Expedition 390, Site U1556B

Output DLIS Files

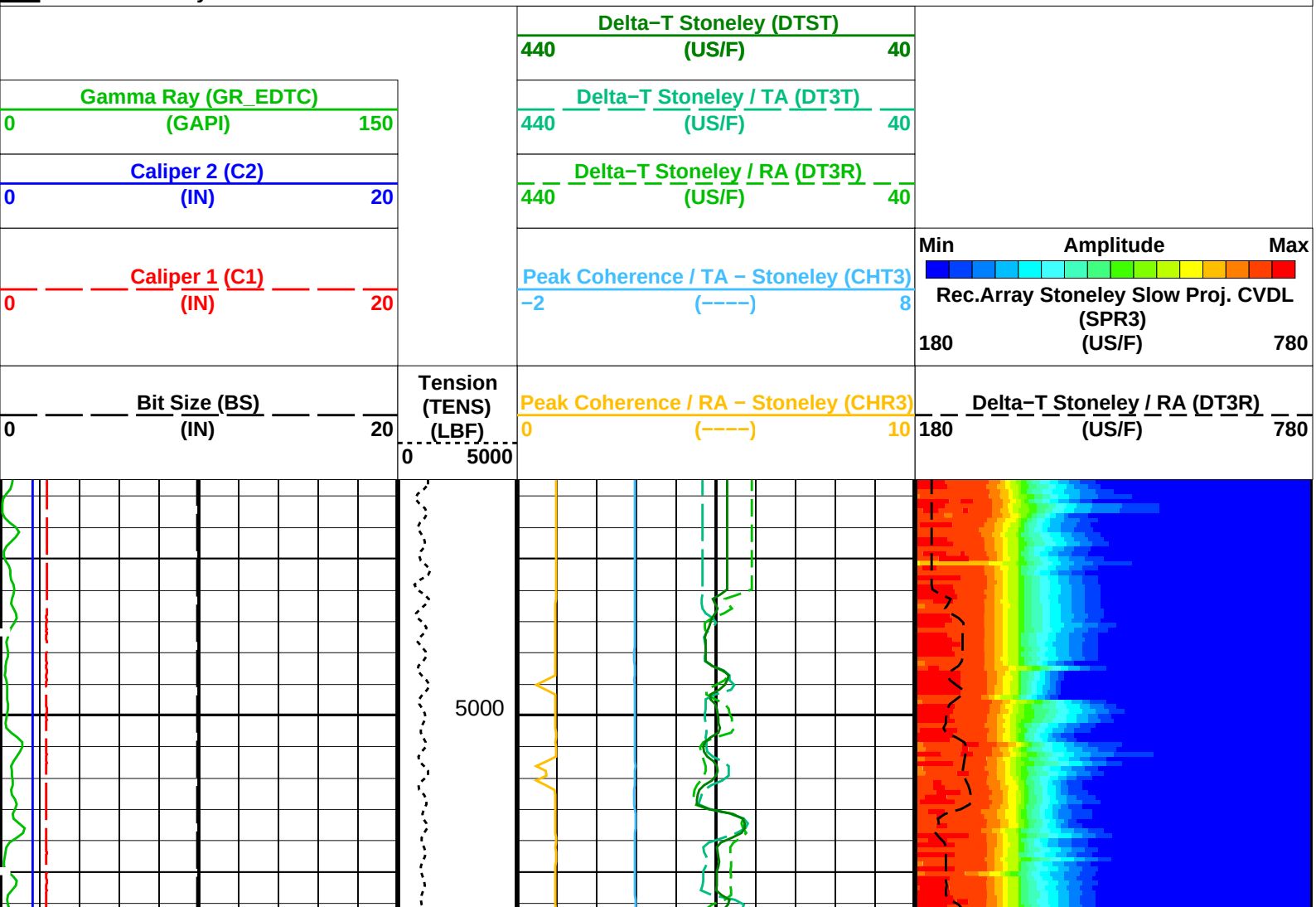
DEFAULT	FMS_DSI_NGS_061LUP	FN:70	PRODUCER	06-May-2022 00:52	5646.4 M	4992.5 M
RTB	FMS_DSI_NGS_061LUP	FN:71	PRODUCER	06-May-2022 00:52	5646.4 M	4992.5 M

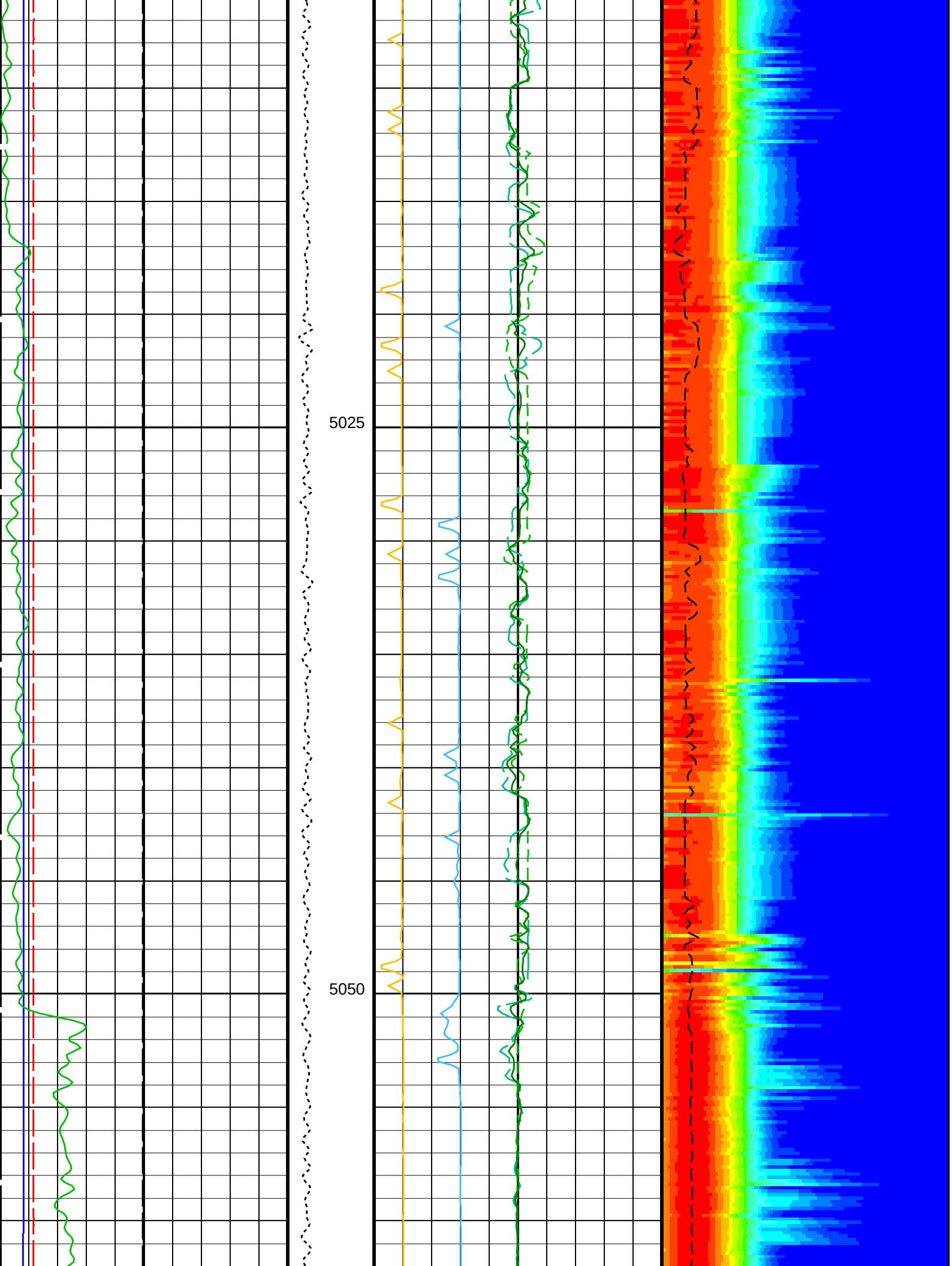
OP System Version: 19C0-187

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

PIP SUMMARY

Time Mark Every 60 S

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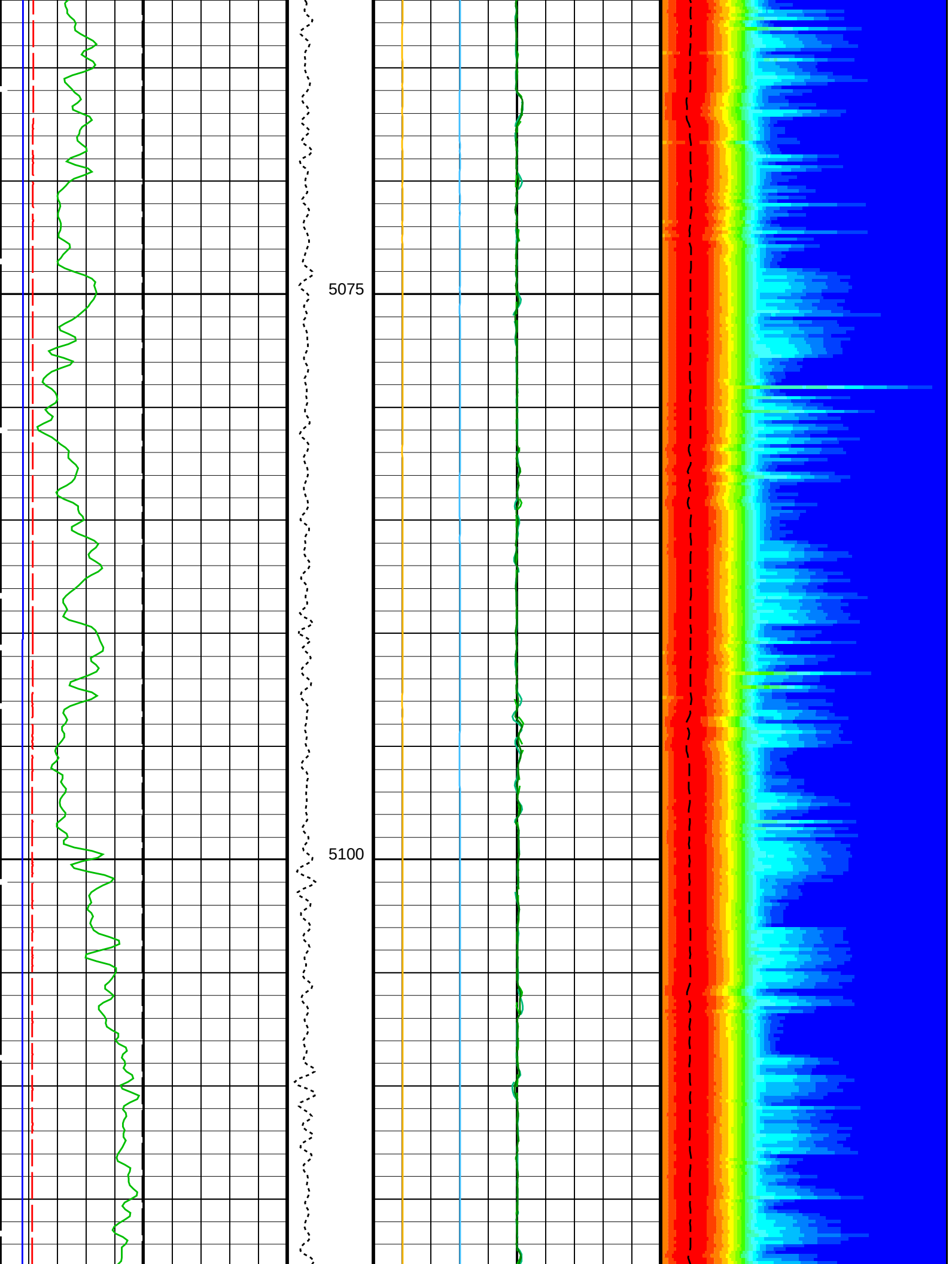
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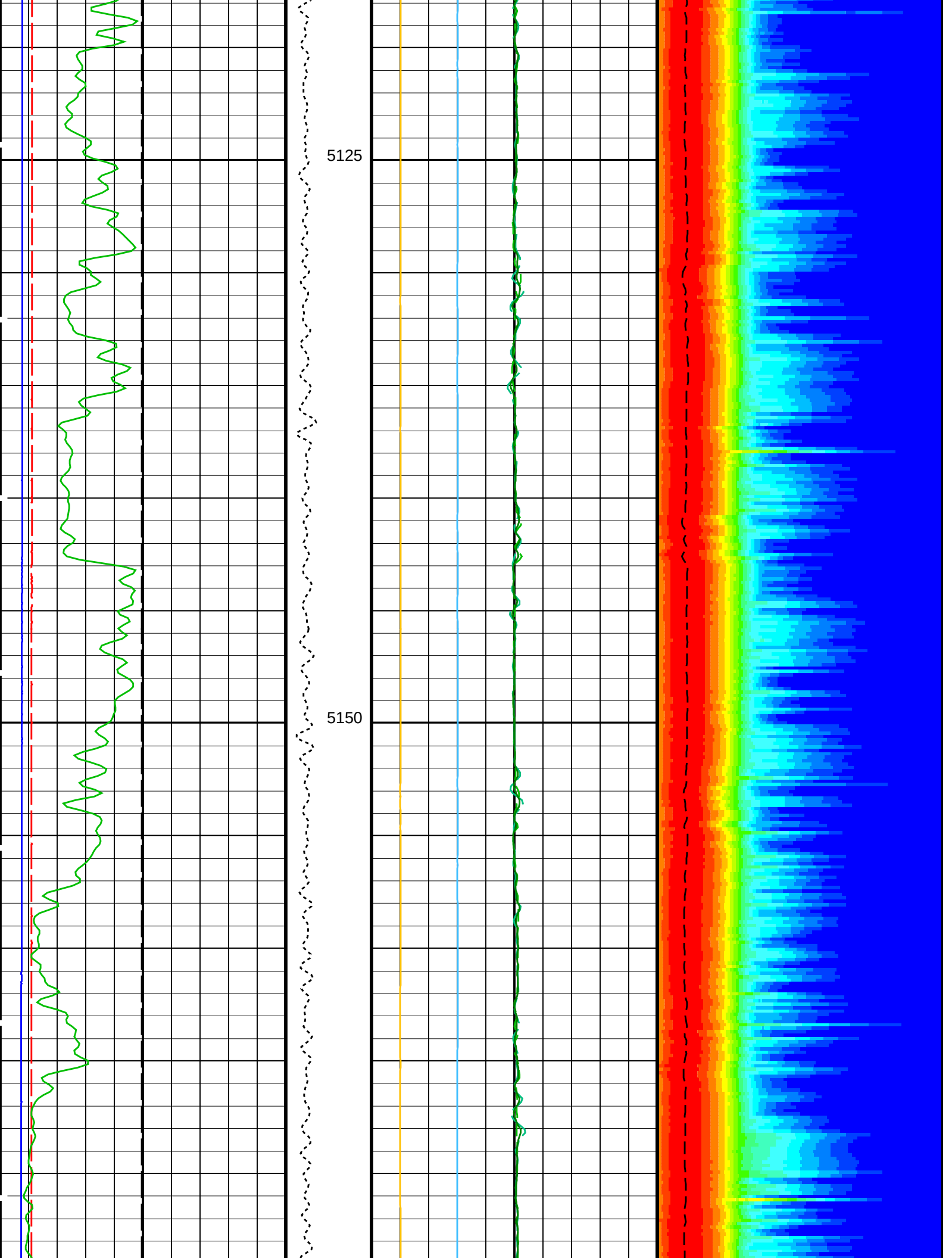
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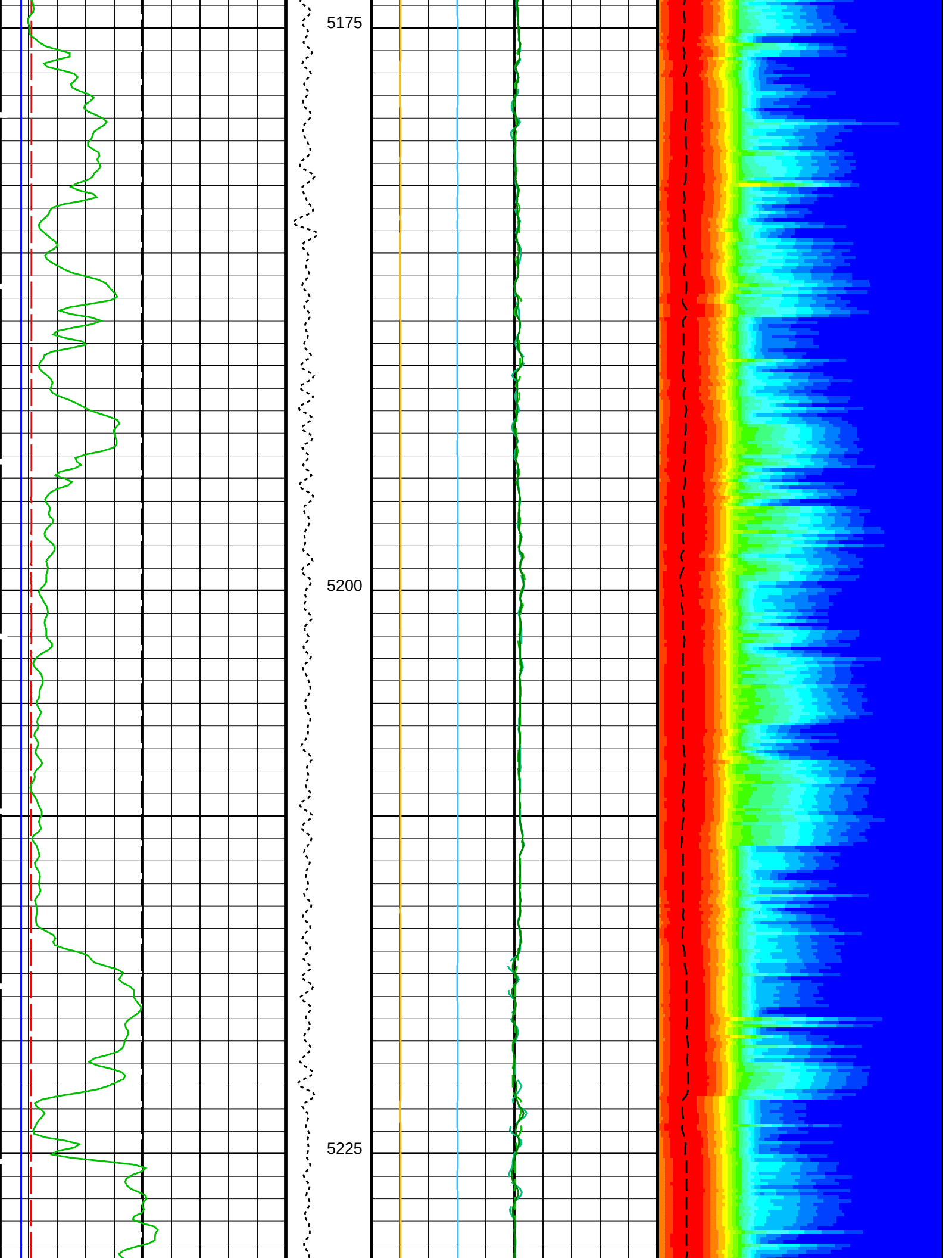
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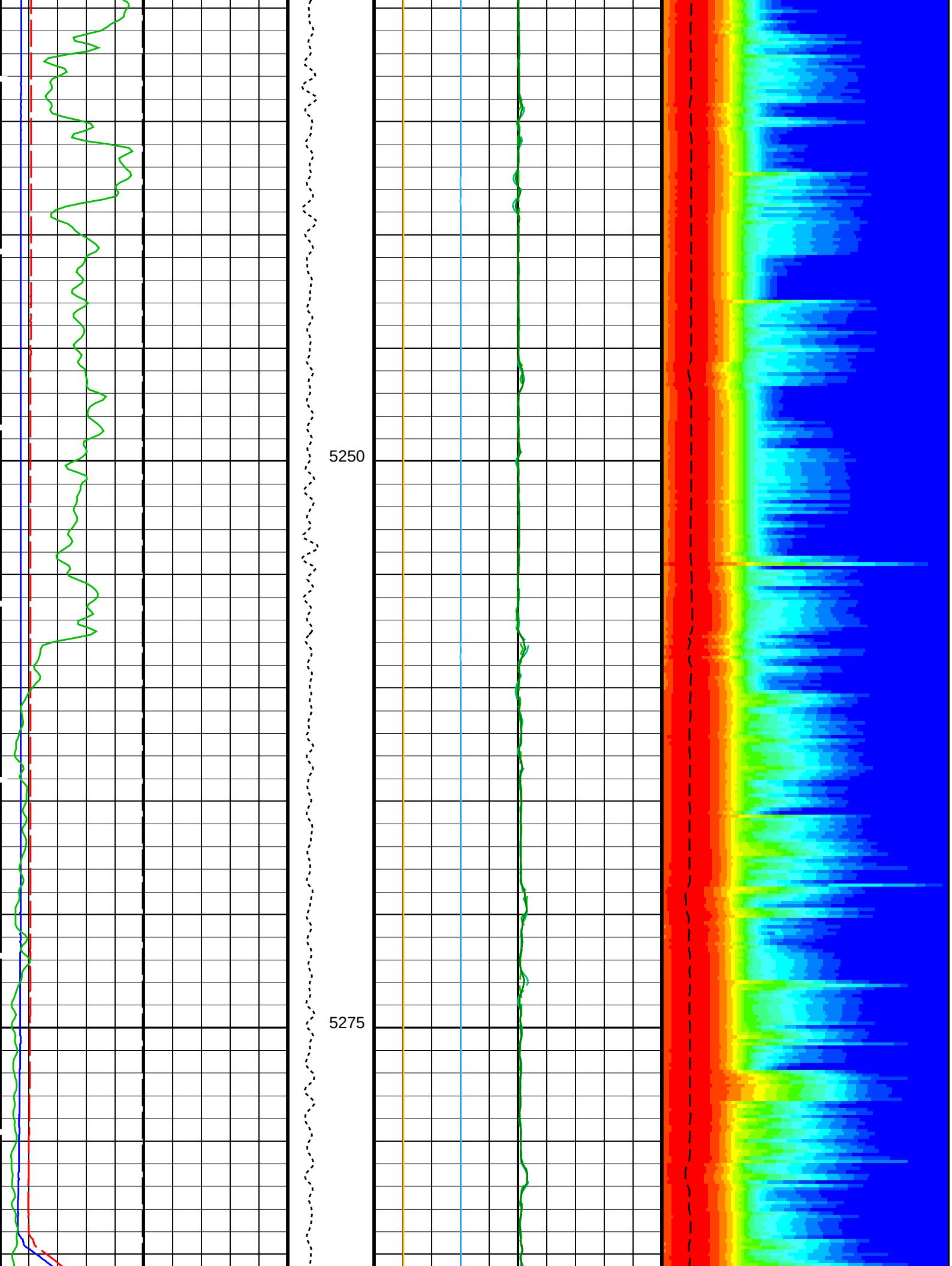
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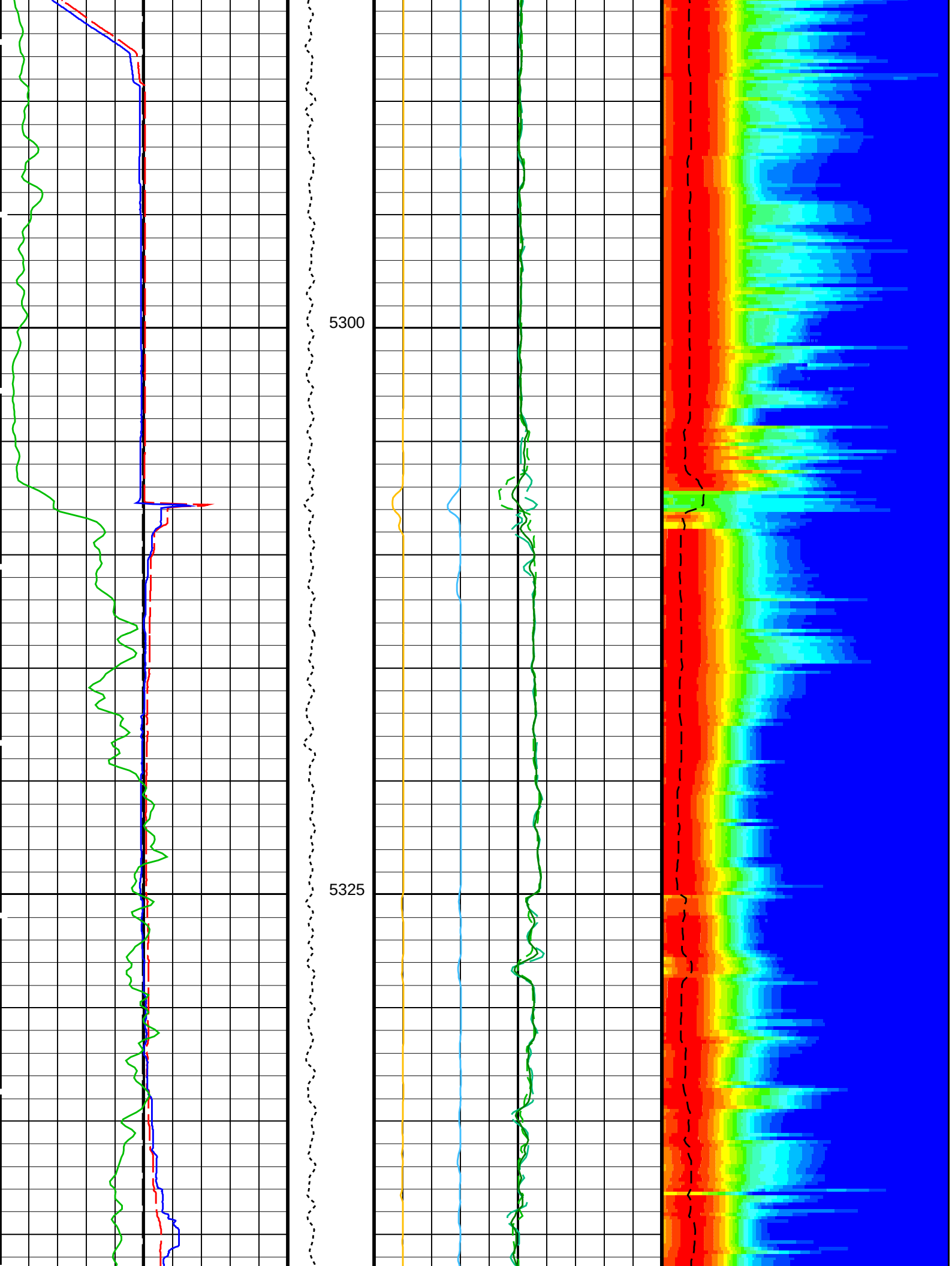
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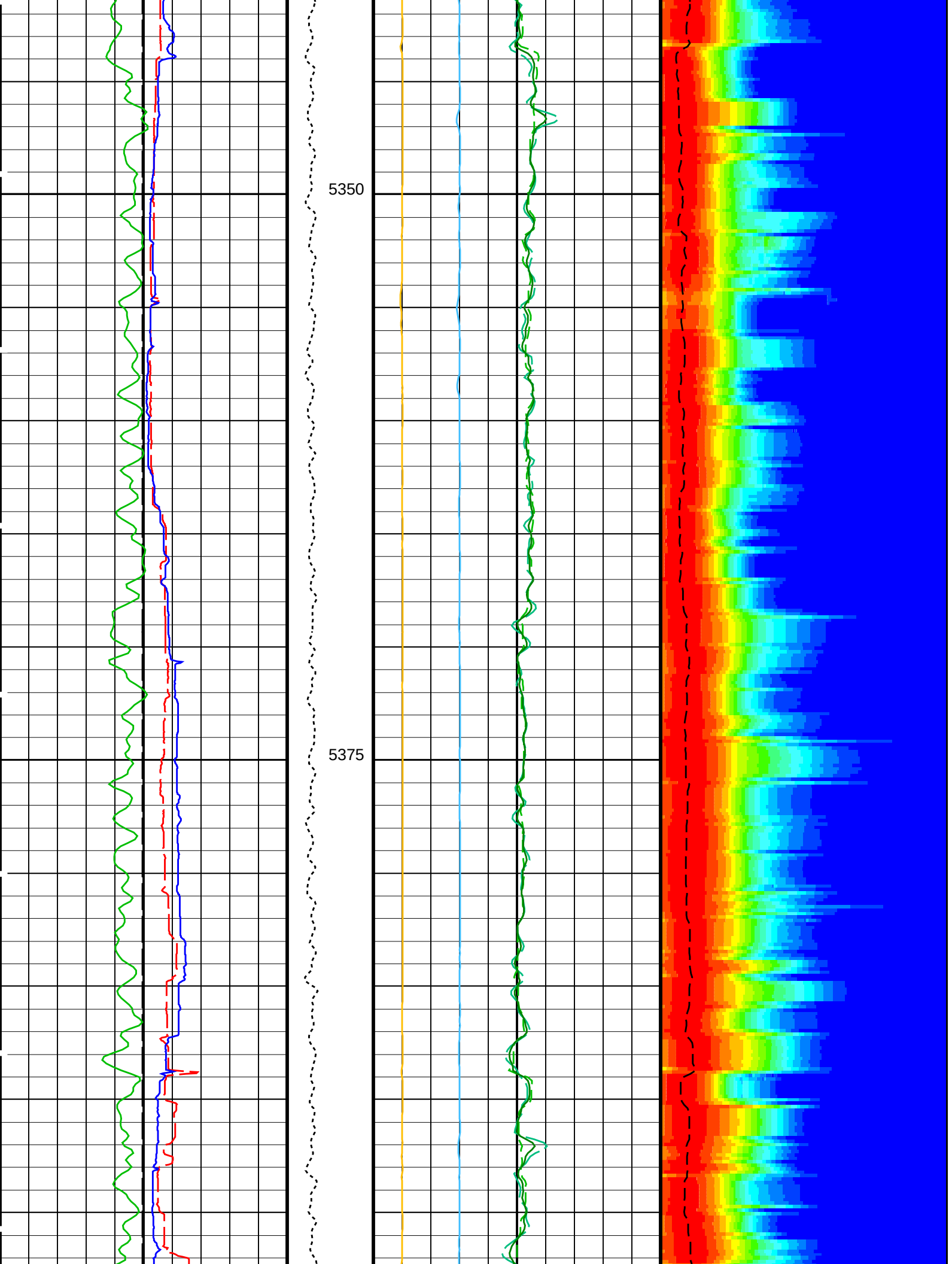
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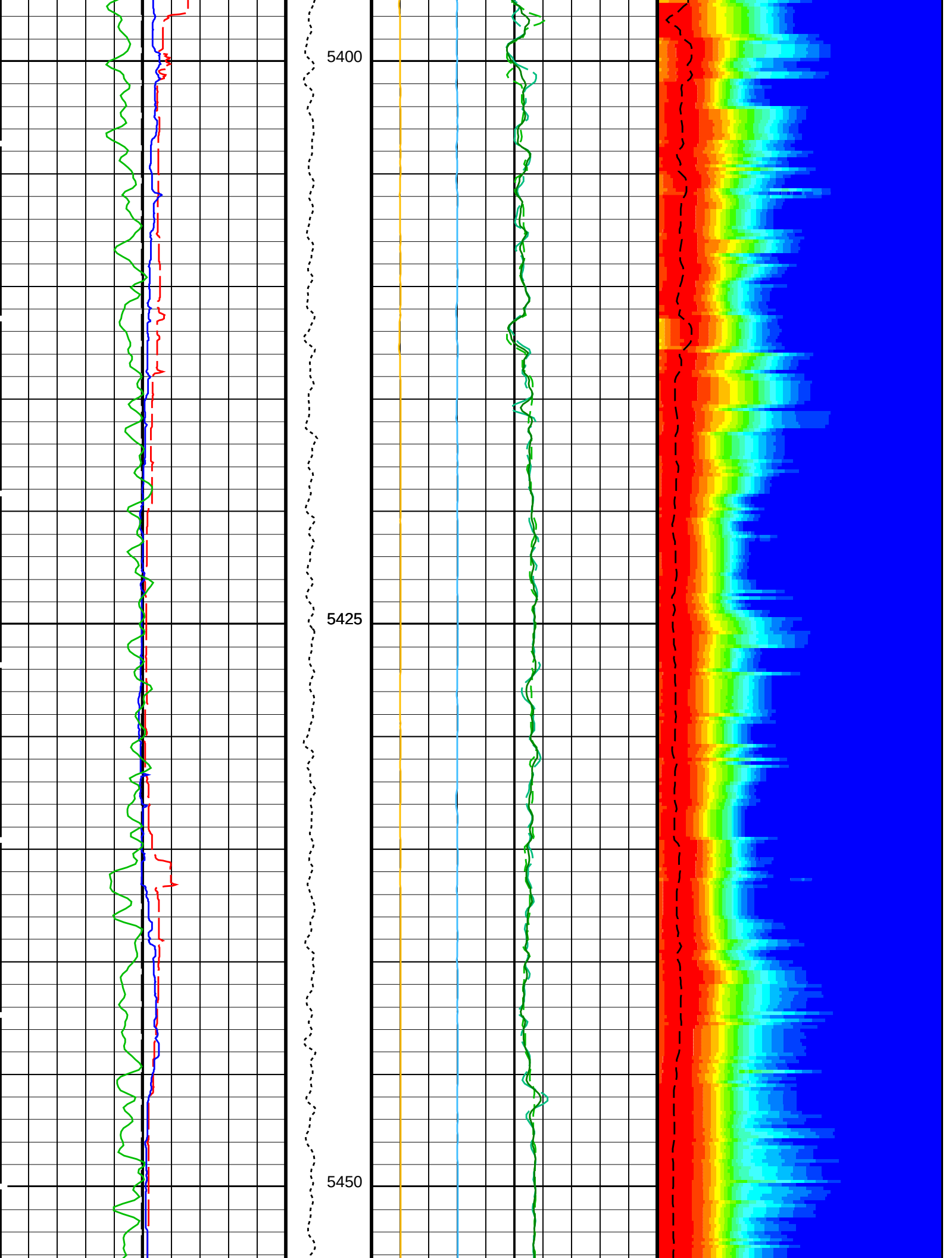
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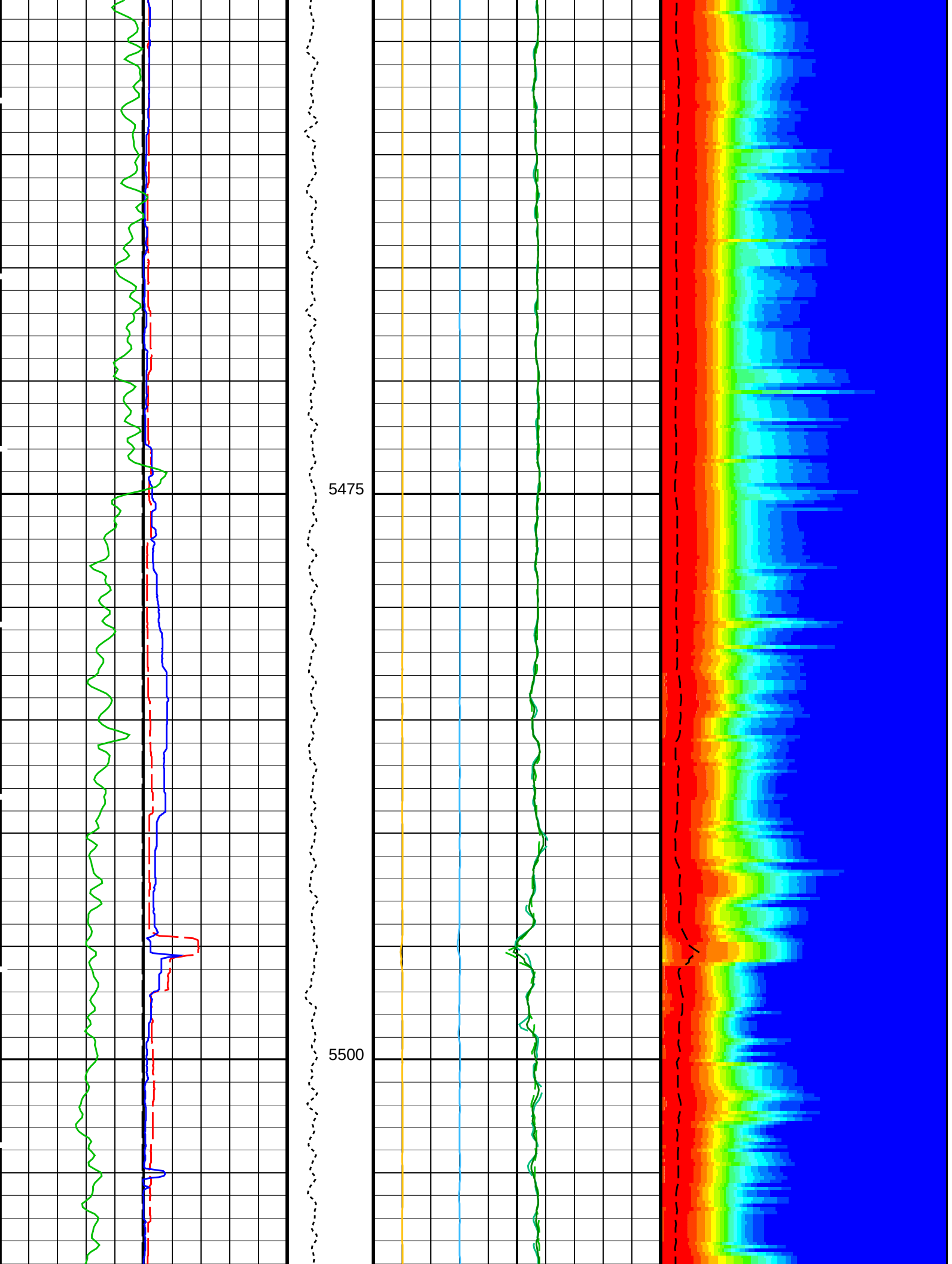
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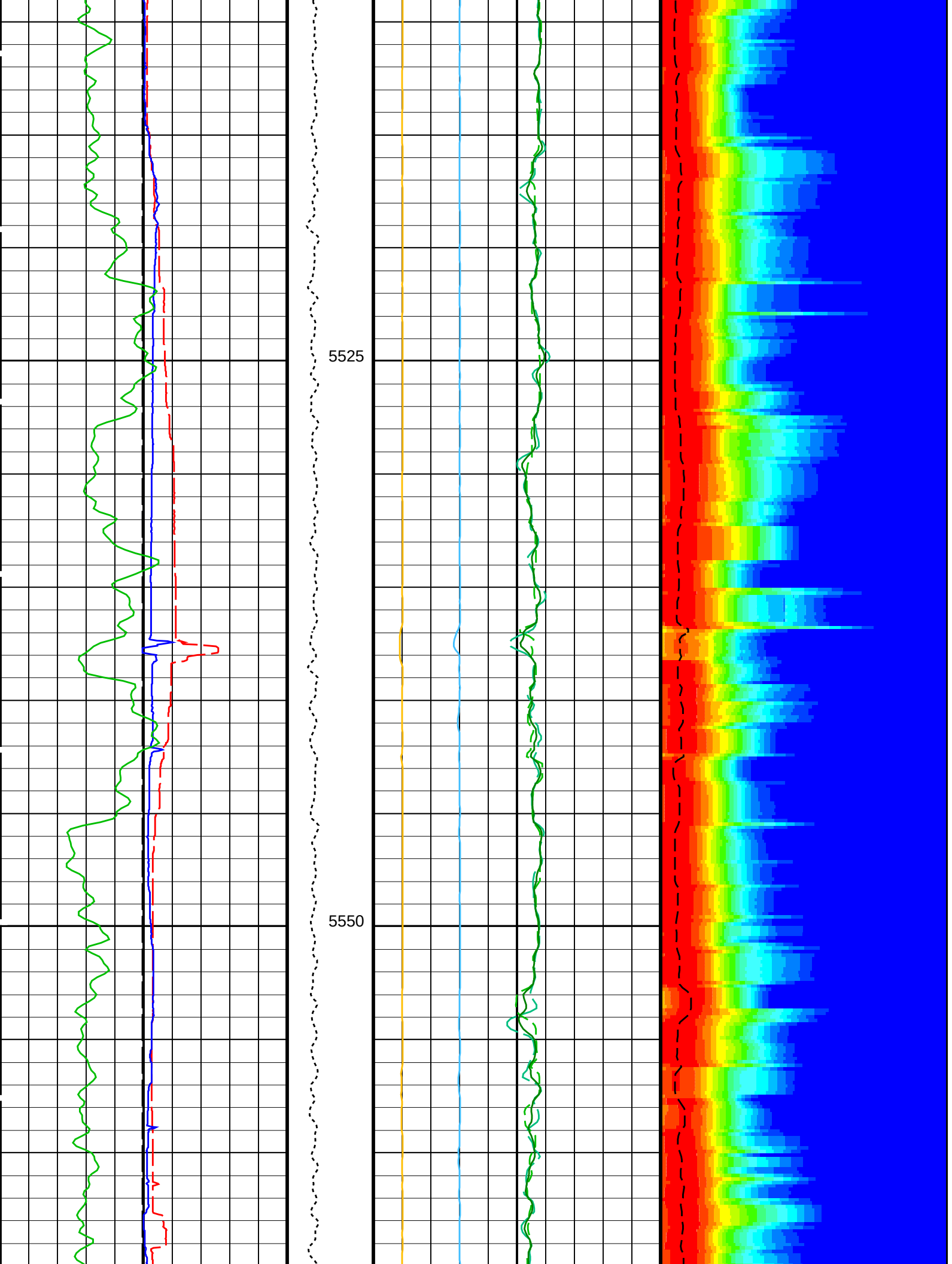
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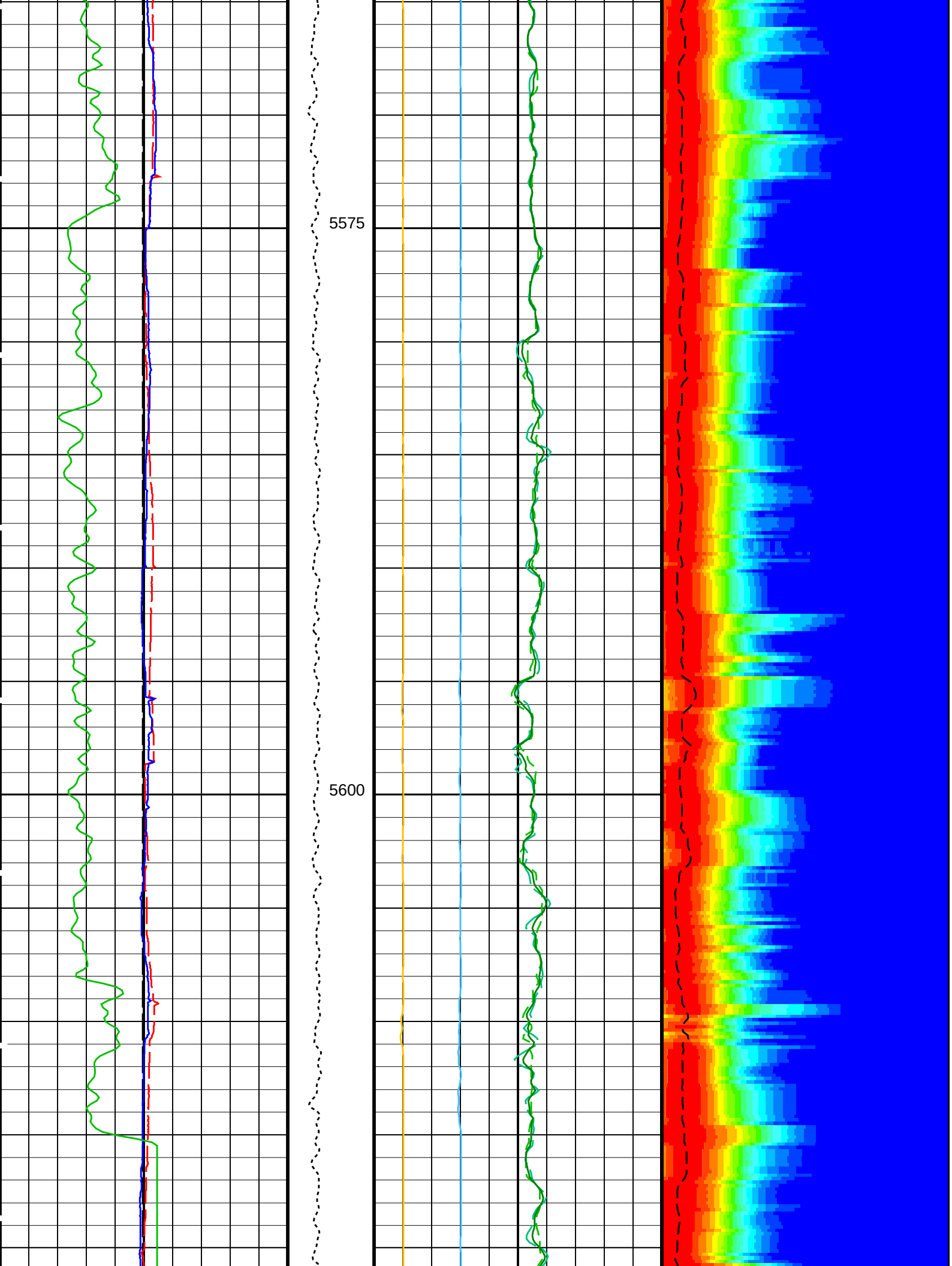
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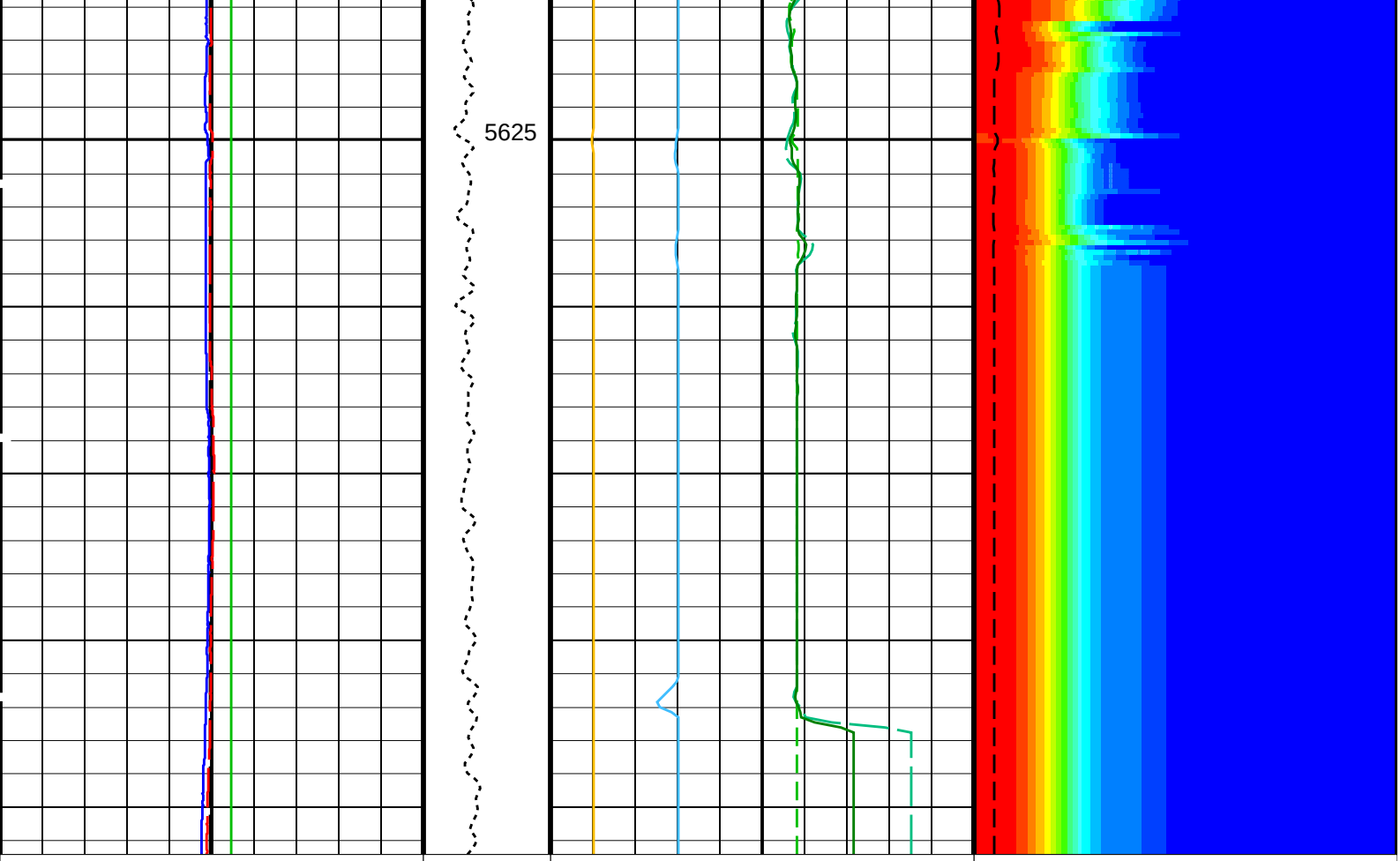


Bit Size (BS) 0 (IN) 20	Tension (TENS) (LBF) 0 5000	Peak Coherence / RA − Stoneley (CHR3) 0 (−−−−) 10	Delta−T Stoneley / RA (DT3R) 180 (US/F) 780
Caliper 1 (C1) 0 (IN) 20		Peak Coherence / TA − Stoneley (CHT3) −2 (−−−−) 8	Min Amplitude Max Rec.Array Stoneley Slow Proj. CVDL (SPR3) 180 (US/F) 780
Caliper 2 (C2) 0 (IN) 20		Delta−T Stoneley / RA (DT3R) 440 (US/F) 40	
Gamma Ray (GR_EDTC) 0 (GAPI) 150		Delta−T Stoneley / TA (DT3T) 440 (US/F) 40	
		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	180	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	780	US/F
SUL3	STC Slowness Upper Limit − Monopole Stoneley	780	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	12020	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

Format: DSST_STONELEY_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06−May−2022 00:52

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_061LUP	FN:70	PRODUCER	06−May−2022 00:52		
RTB	FMS_DSI_NGS_061LUP	FN:71	PRODUCER	06−May−2022 00:52		

Output DLIS Files

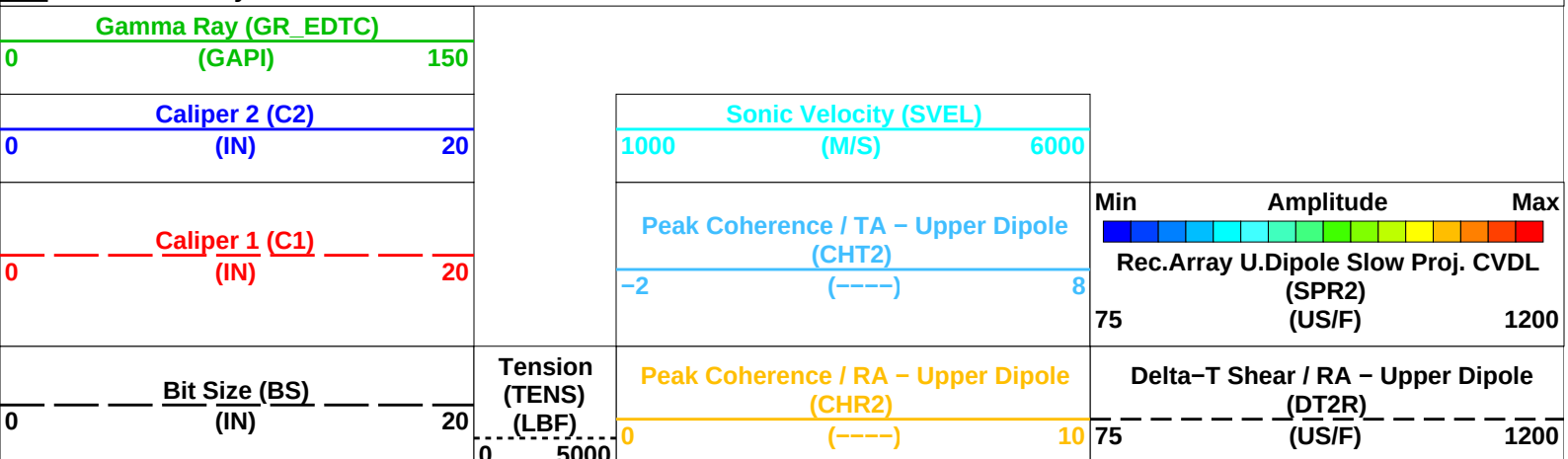
DEFAULT	FMS_DSI_NGS_061LUP	FN:70	PRODUCER	06−May−2022 00:52	5646.4 M	4992.5 M
RTB	FMS_DSI_NGS_061LUP	FN:71	PRODUCER	06−May−2022 00:52	5646.4 M	4992.5 M

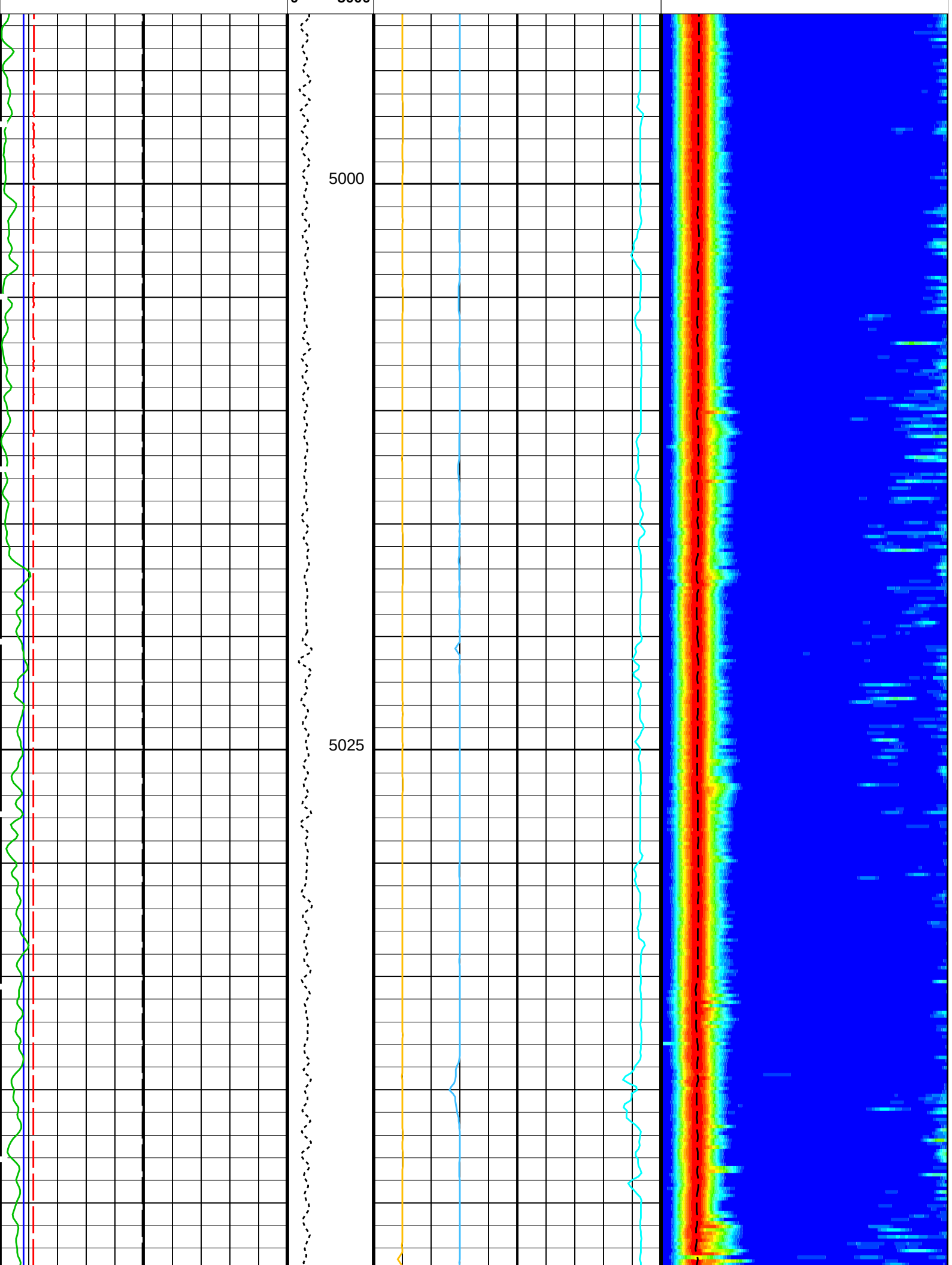
OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

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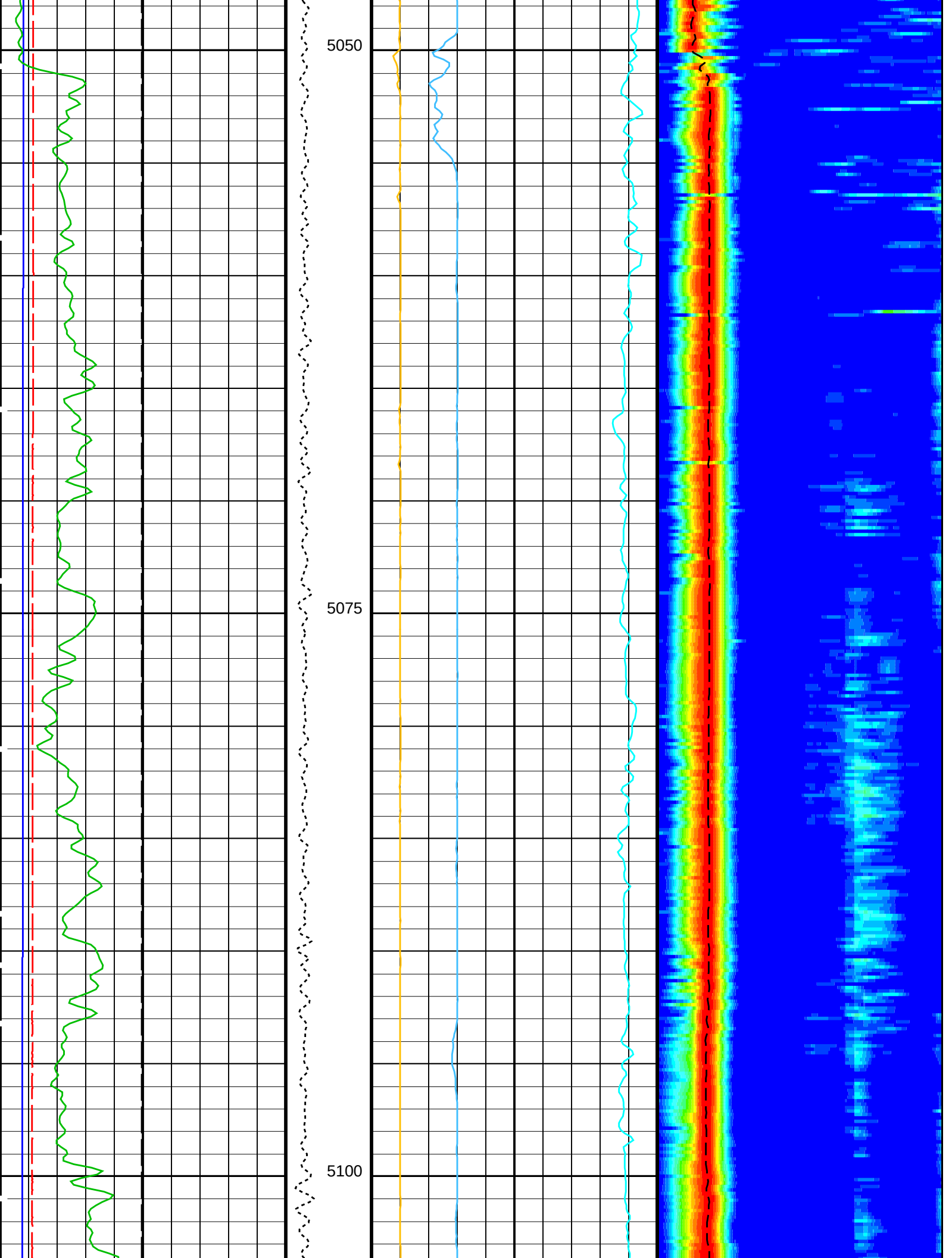
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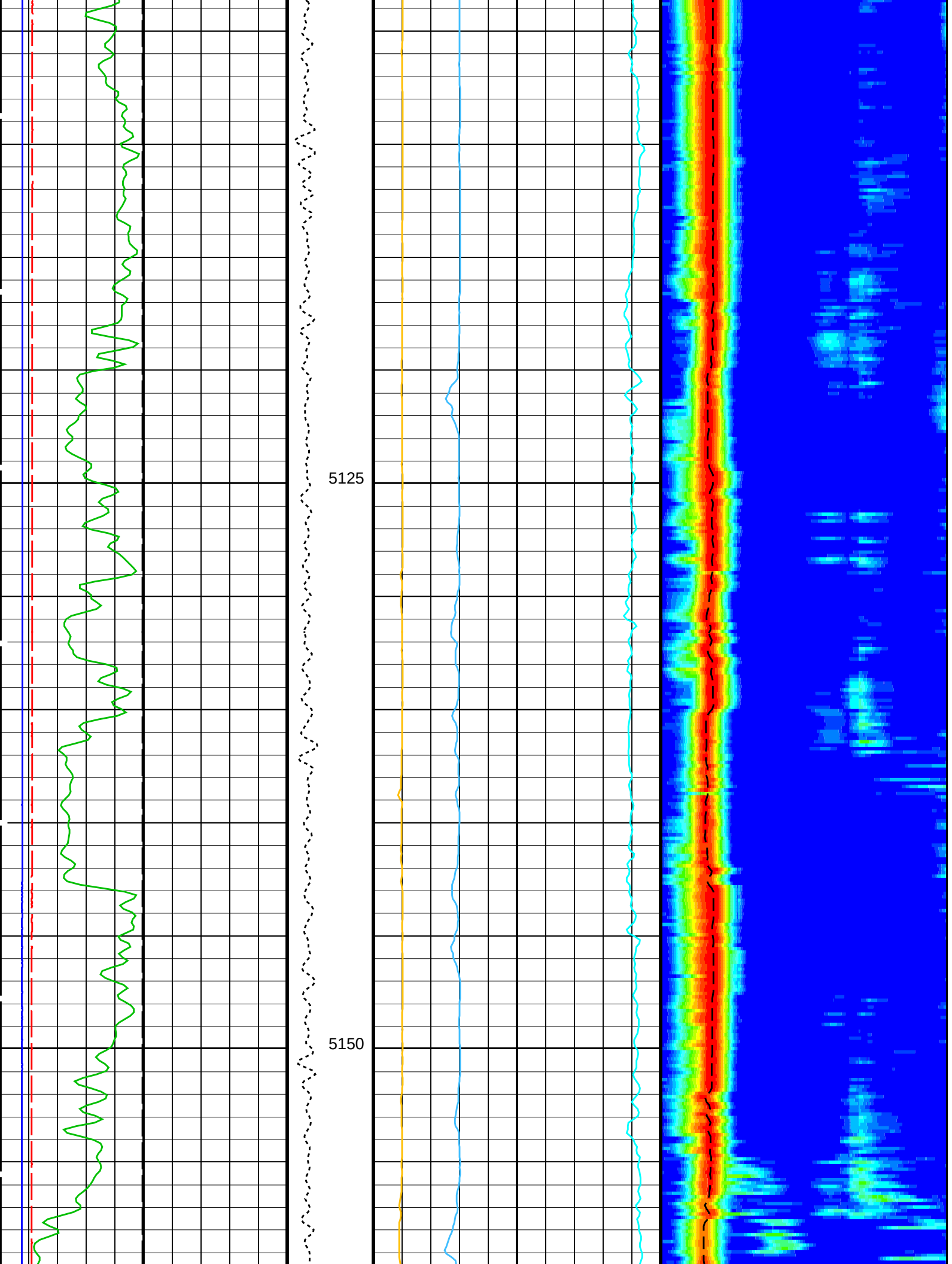
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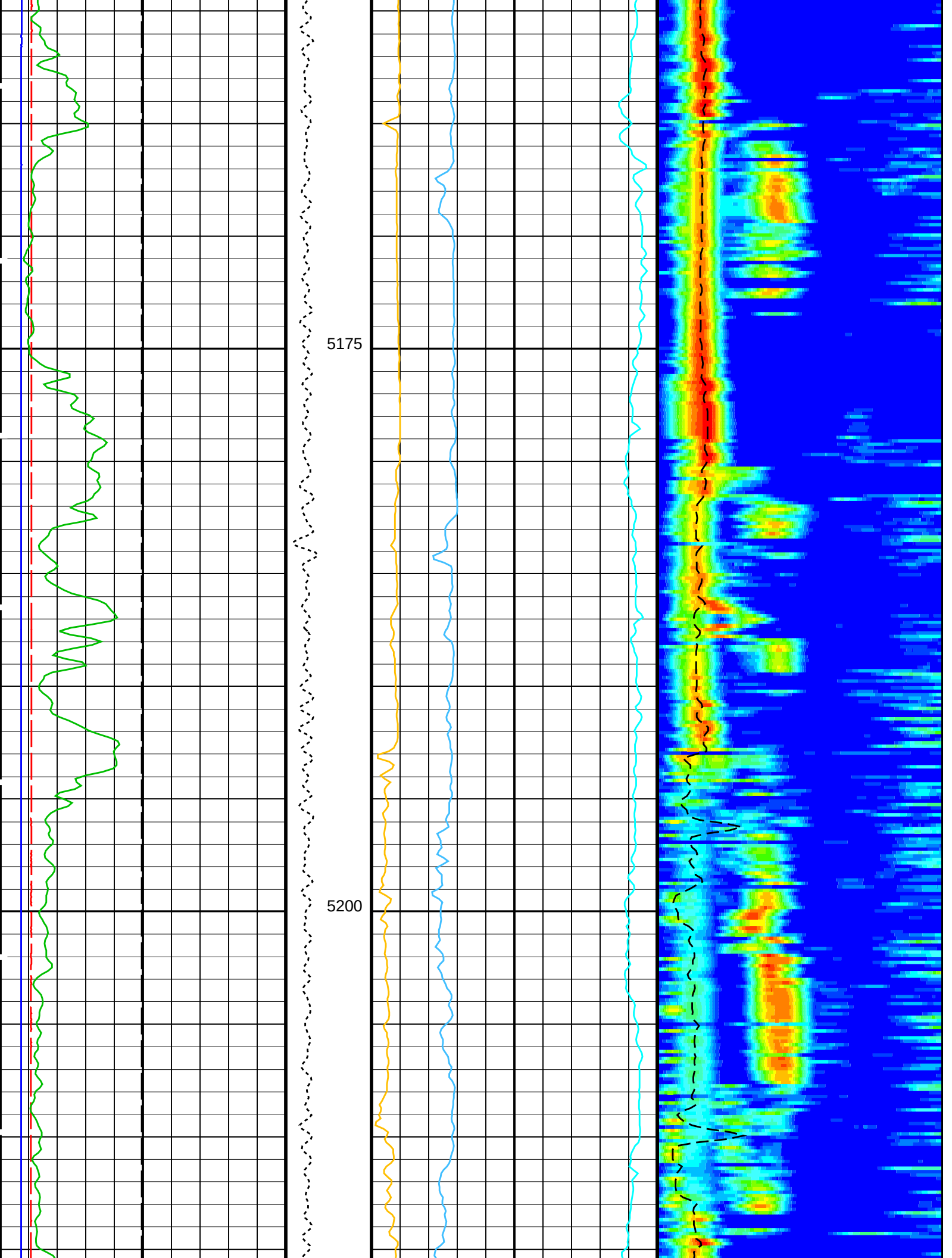
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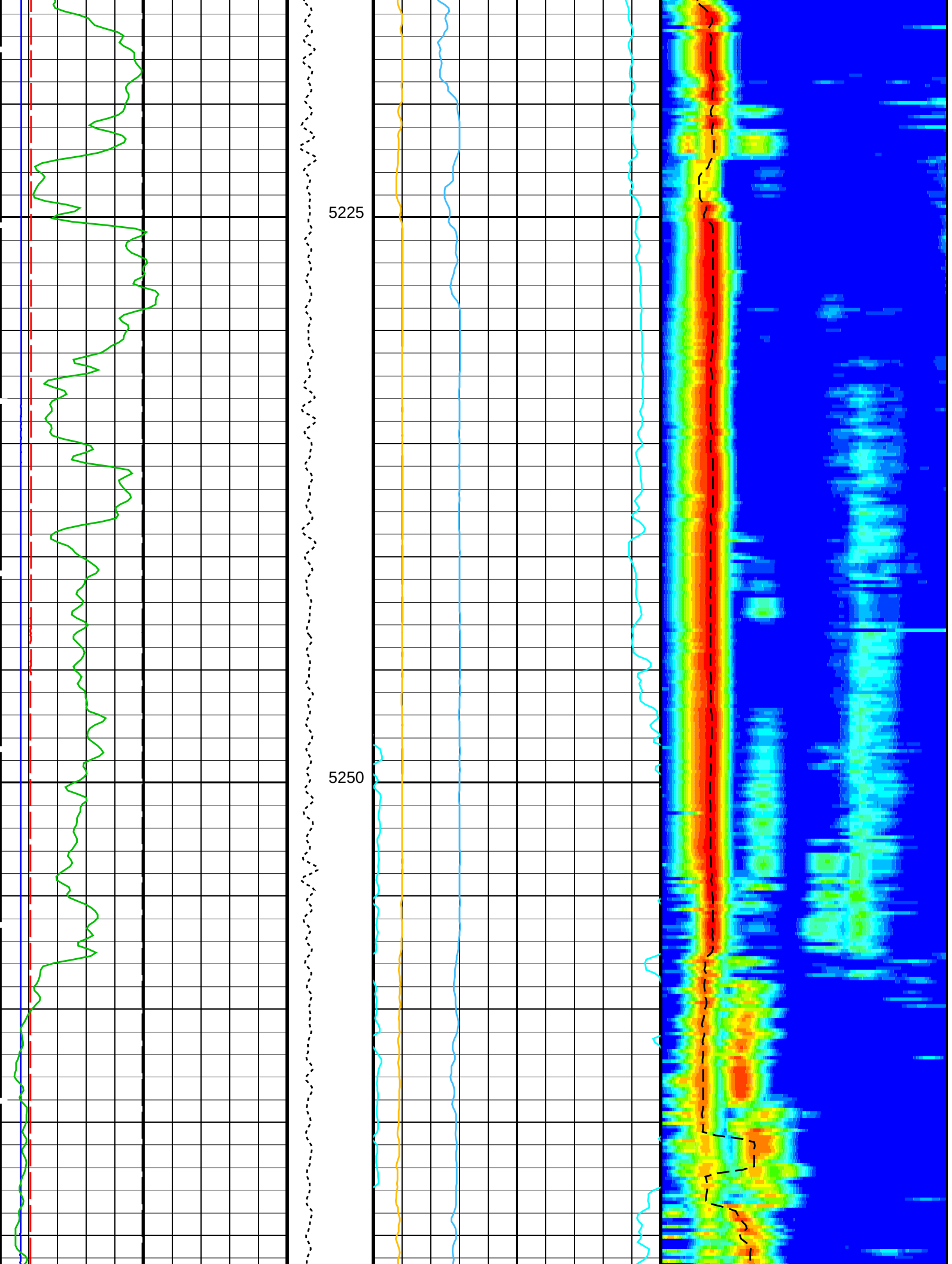
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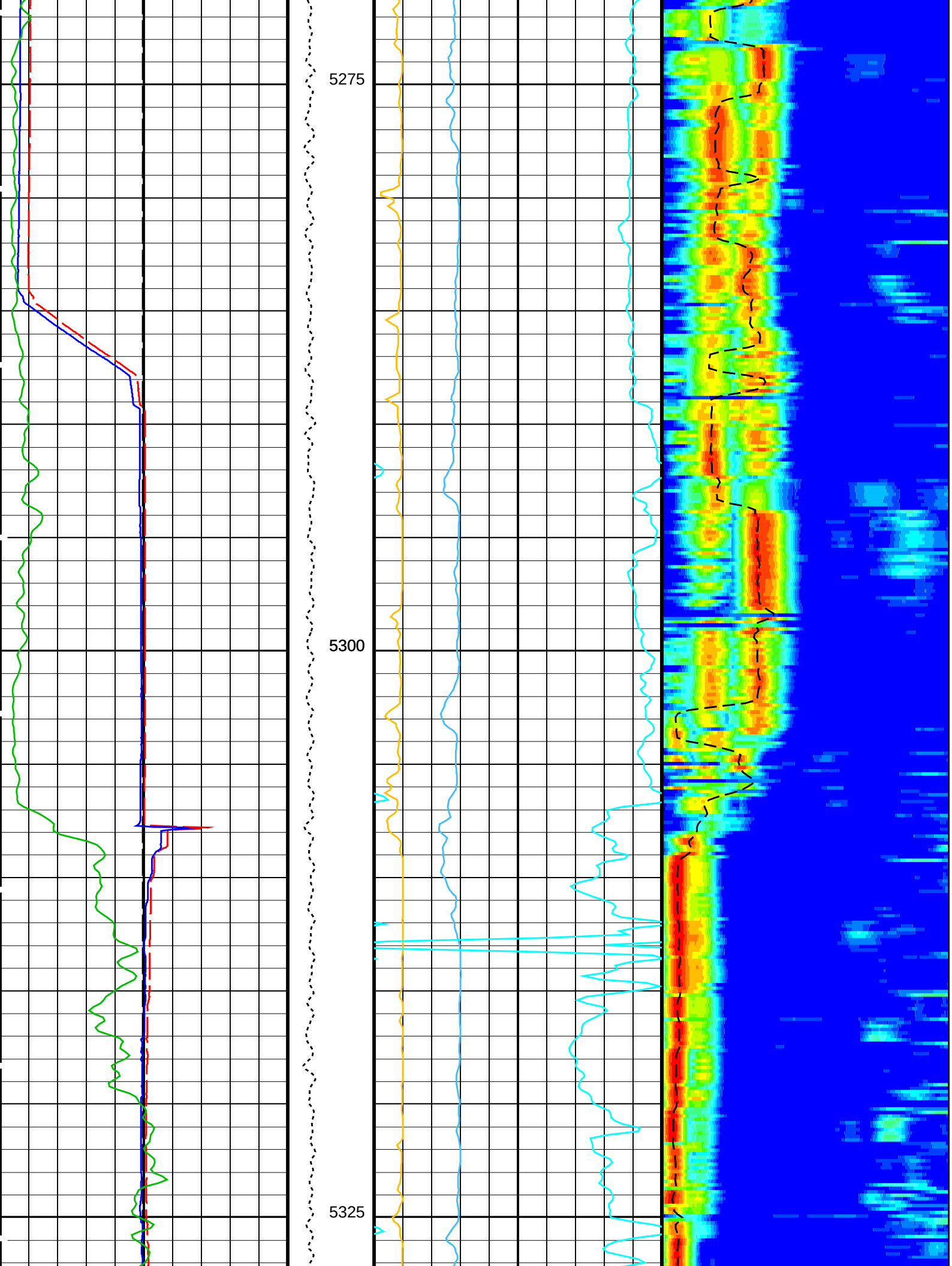
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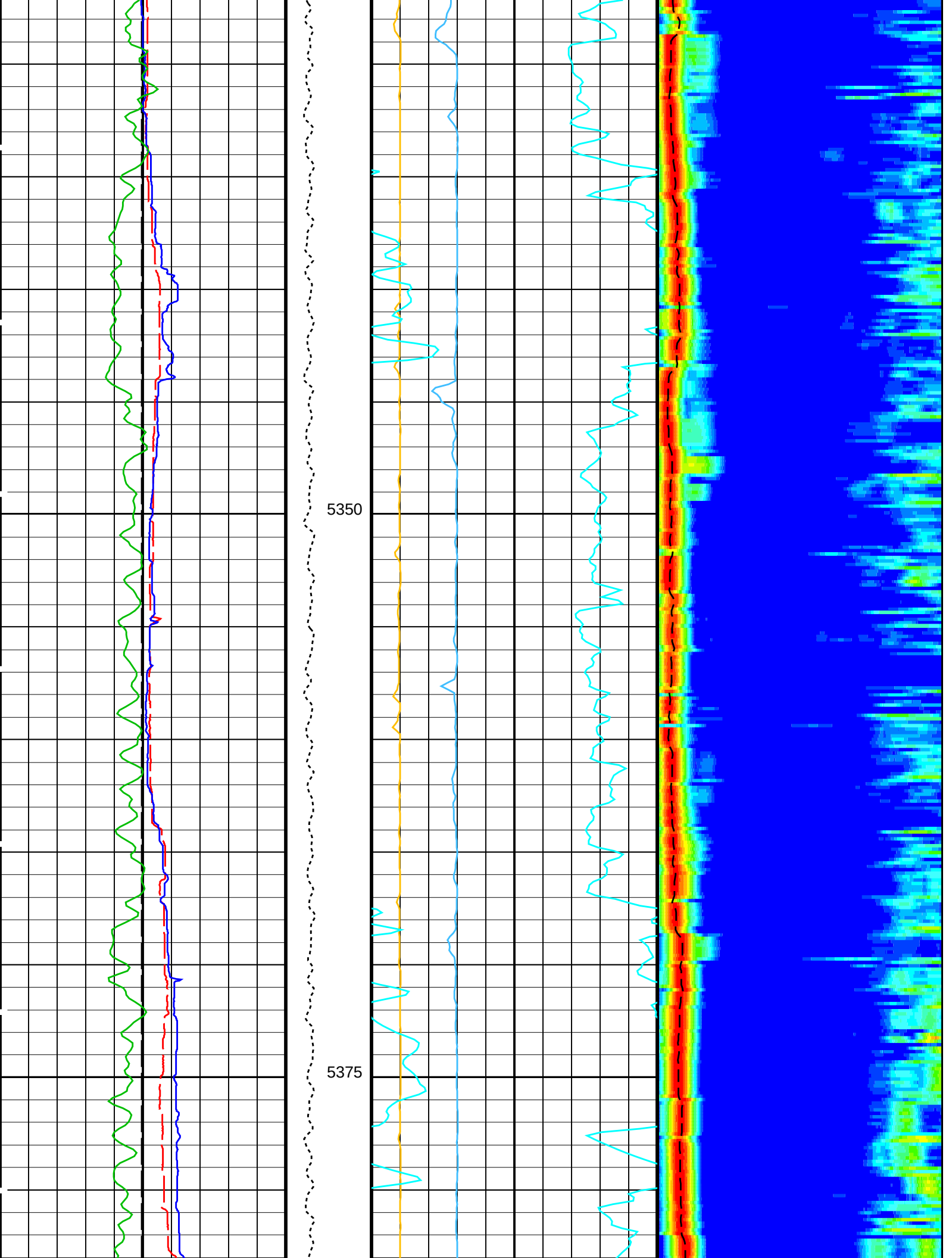
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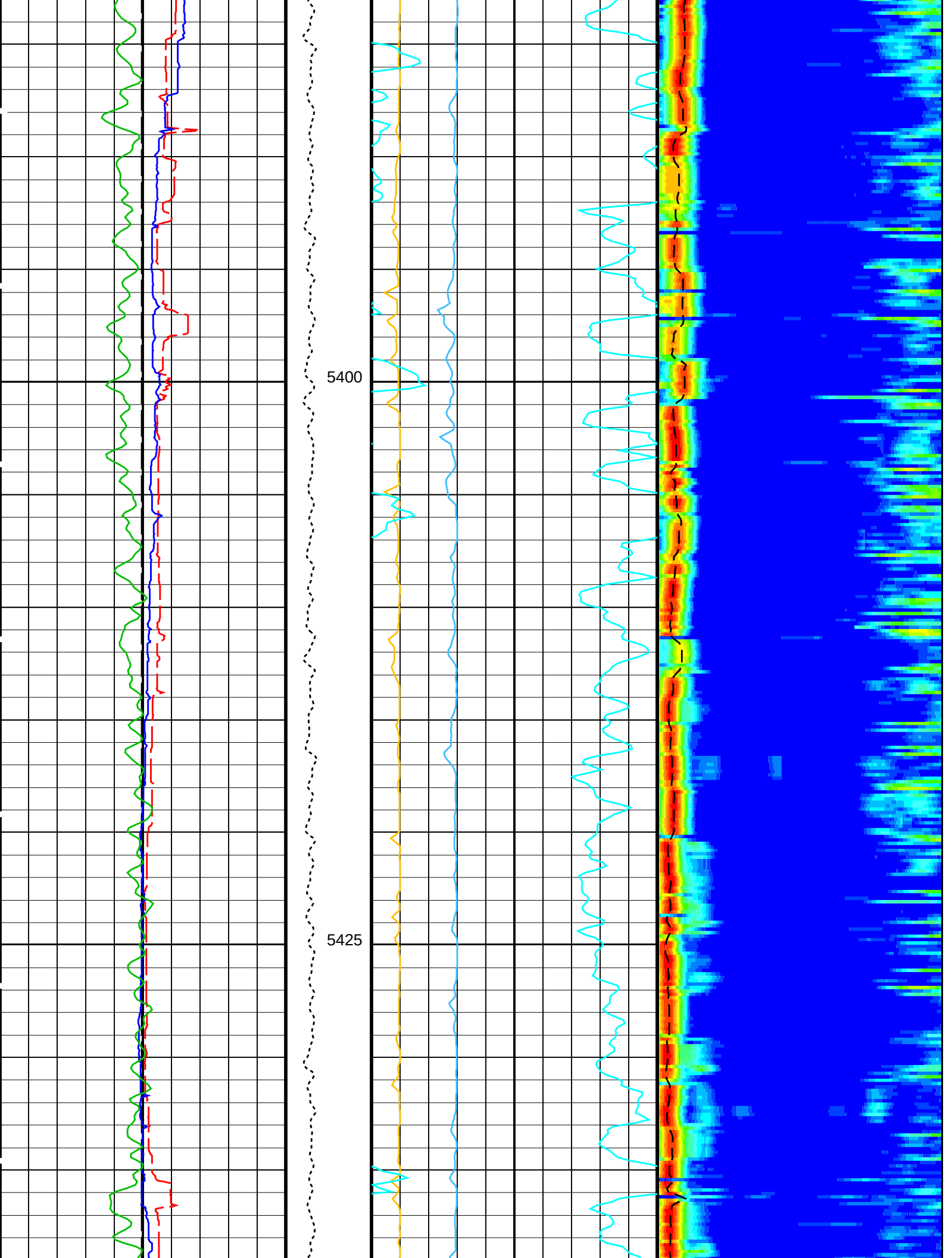
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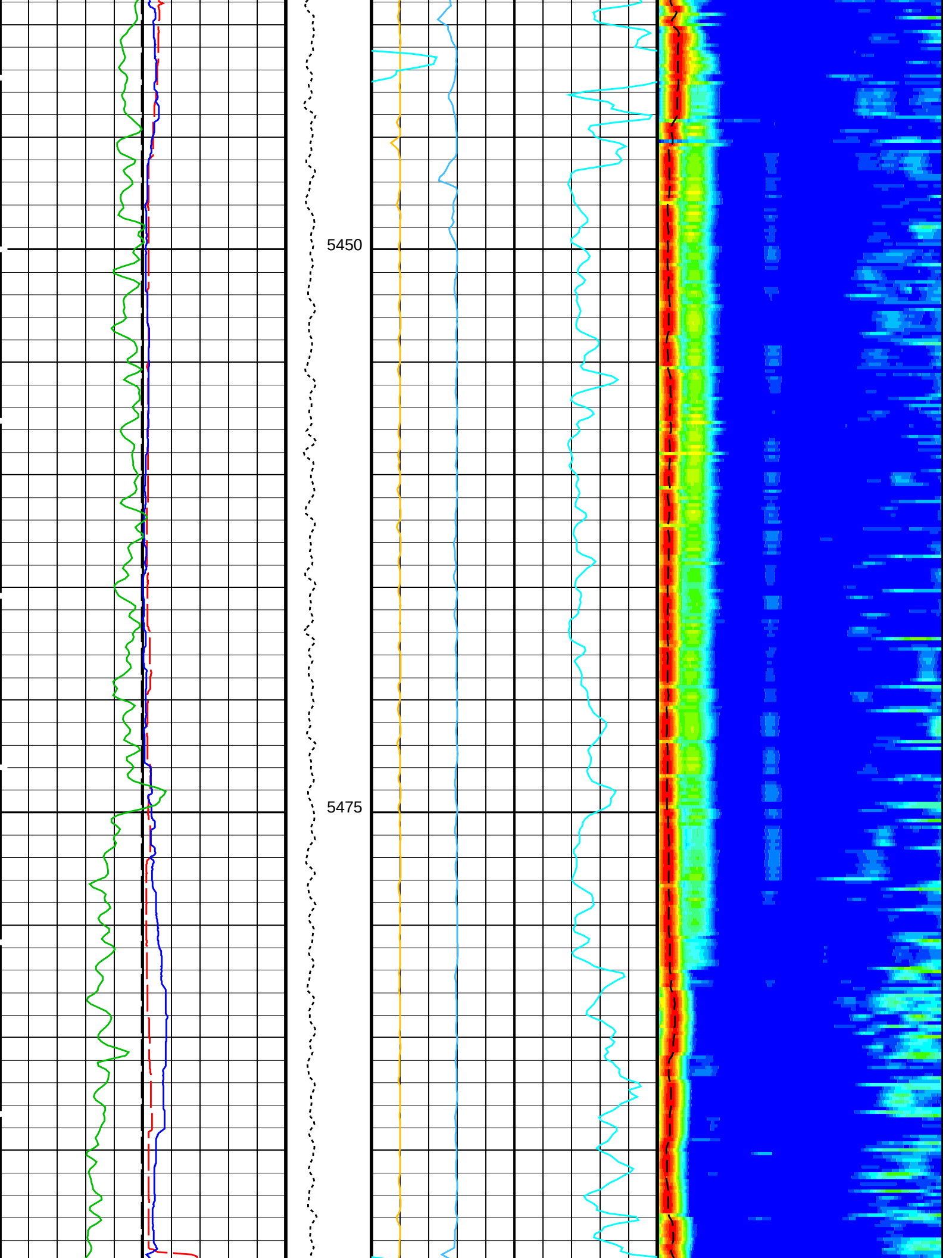
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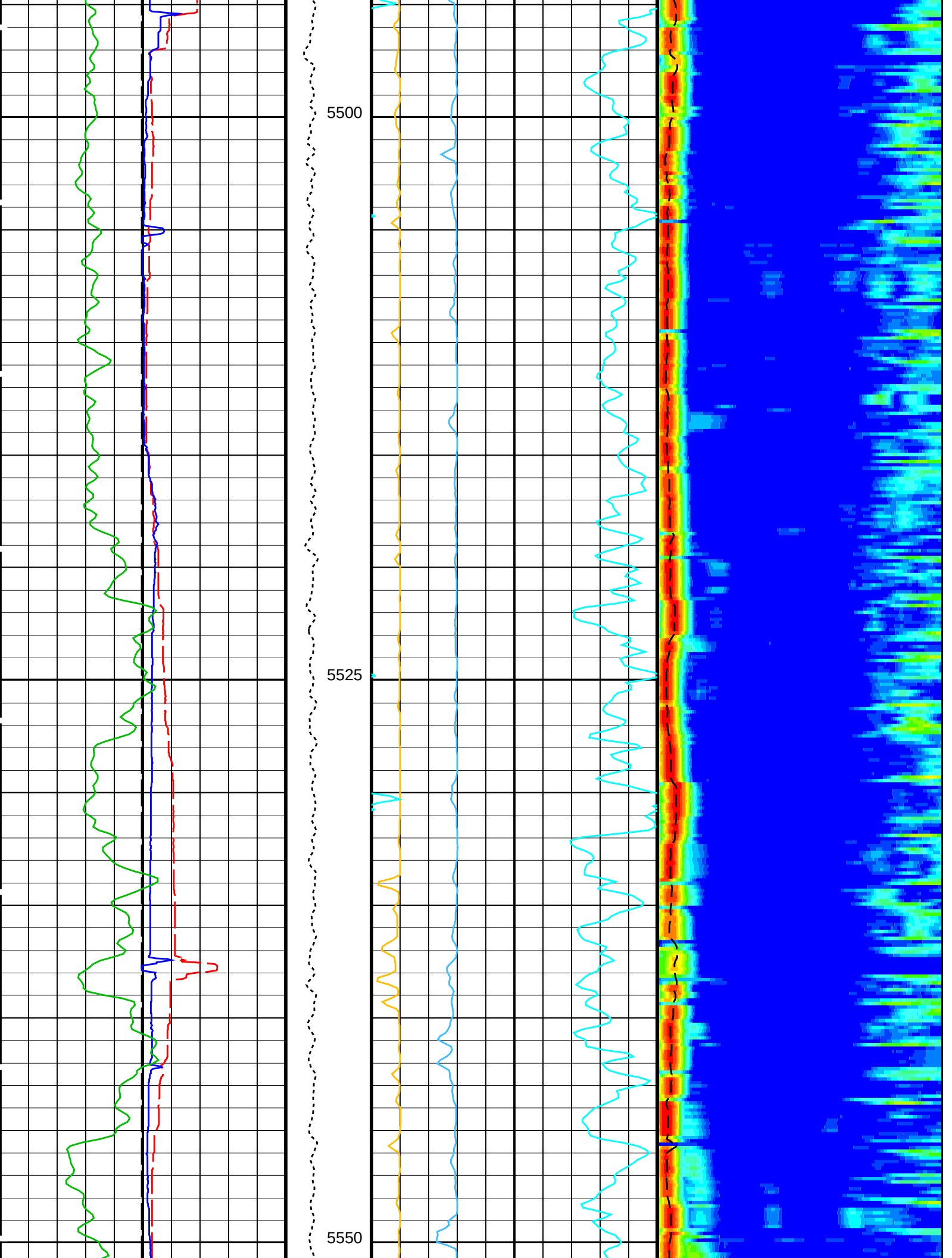
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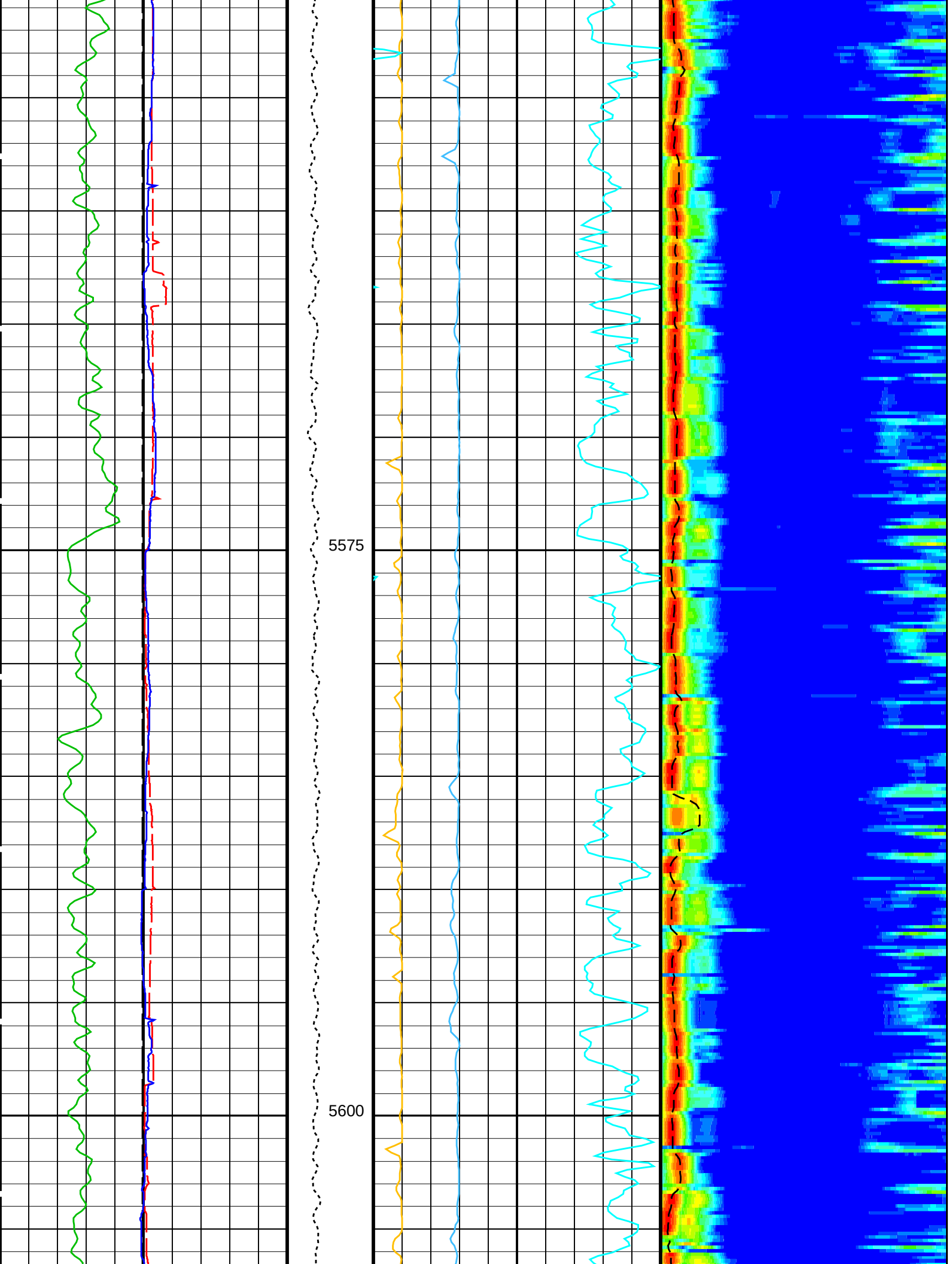
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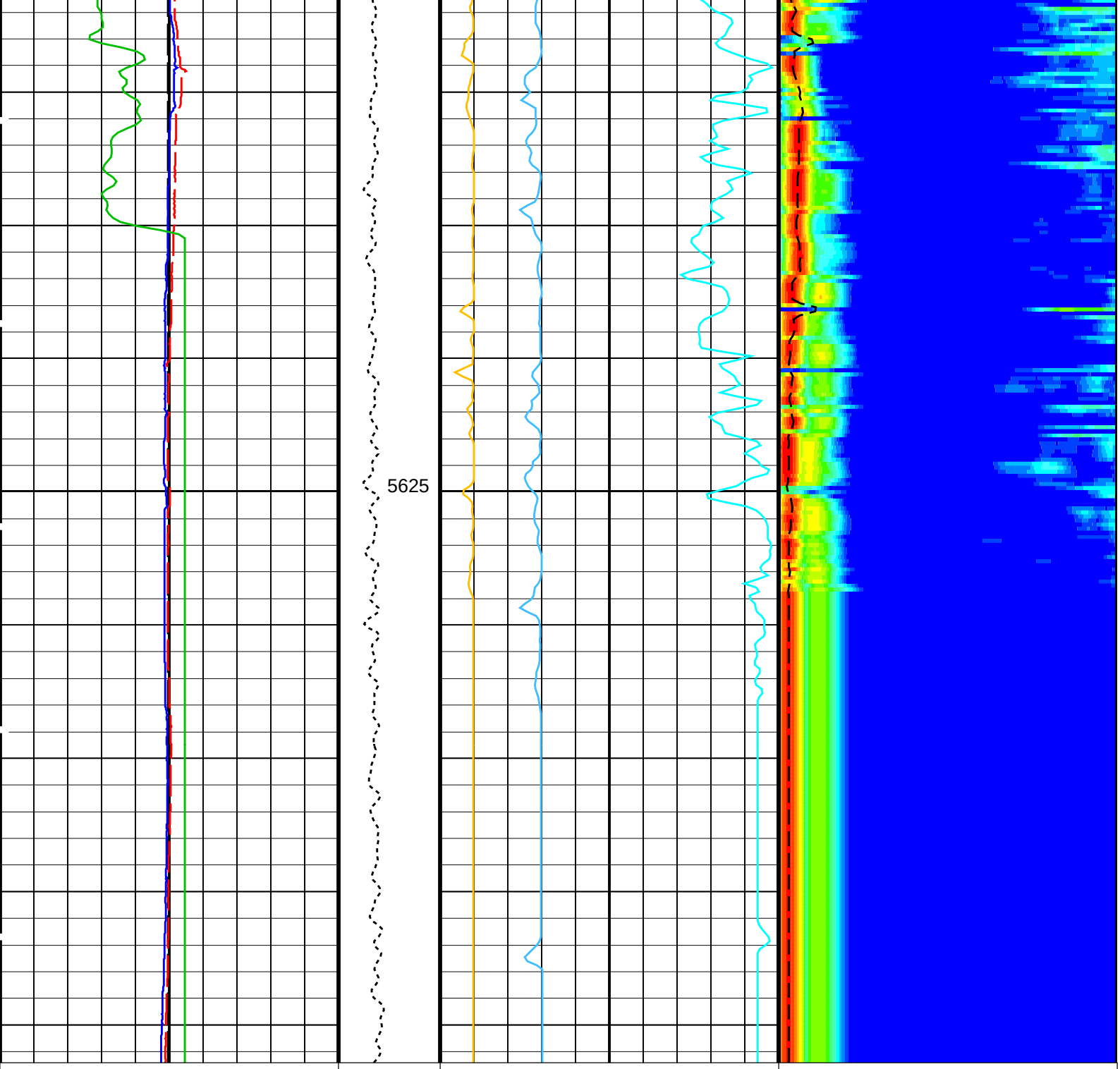

Bit Size (BS) 0 (IN) 20	Tension (TENS) (LBF) 0 5000	Peak Coherence / RA − Upper Dipole (CHR2) 0 (−−−−) 10
Caliper 1 (C1) 0 (IN) 20		Peak Coherence / TA − Upper Dipole (CHT2) −2 (−−−−) 8
Caliper 2 (C2) 0 (IN) 20		Sonic Velocity (SVEL) 1000 (M/S) 6000
Gamma Ray (GR_EDTC) 0 (GAPI) 150		

Delta−T Shear / RA − Upper Dipole (DT2R) 75 (US/F) 1200
Min Amplitude Max Rec.Array U.Dipole Slow Proj. CVDL (SPR2) 75 (US/F) 1200

PIP SUMMARY

Time Mark Every 60 S

Parameters

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	50	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1000	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	40	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	1400	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	20440	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

Format: DSST_UPPER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06−May−2022 00:52

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_061LUP	FN:70	PRODUCER	06−May−2022 00:52		
RTB	FMS_DSI_NGS_061LUP	FN:71	PRODUCER	06−May−2022 00:52		

Company: International Ocean Discovery Program Well: Expedition 390, Site U1556B

Output DLIS Files

DEFAULT	FMS_DSI_NGS_061LUP	FN:70	PRODUCER	06−May−2022 00:52	5646.4 M	4992.5 M
RTB	FMS_DSI_NGS_061LUP	FN:71	PRODUCER	06−May−2022 00:52	5646.4 M	4992.5 M

OP System Version: 19C0−187

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

PIP SUMMARY

PIP SUMMARY

Time Mark Every 60 S

Relative Bearing (RB_MEST)
−40 (DEG) 360

Pad One Azimuth (P1AZ_MEST)
−40 (DEG) 360

Hole Azimuth (HAZIM)
−40 (DEG) 360

Gamma Ray (GR_EDTC)
0 (GAPI) 150

Deviation (DEVIM)
0 (DEG) 10

Caliper 2 (C2)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

Bit Size (BS)
0 (IN) 20

EMEX Intensity (EI)
0 (AMPS) 10

EMEX Voltage (EV)
0 (V) 50

Tension (TENS) (LBF)
0 5000

Data Button 8 − Varies with RBS (U−MEST_RB8)
−80 (−−−−) 20

Data Button 7 − Varies with RBS (U−MEST_RB7)
−70 (−−−−) 30

Data Button 6 − Varies with RBS (U−MEST_RB6)
−60 (−−−−) 40

Data Button 5 − Varies with RBS (U−MEST_RB5)
−50 (−−−−) 50

Data Button 4 − Varies with RBS (U−MEST_RB4)
−40 (−−−−) 60

Data Button 3 − Varies with RBS (U−MEST_RB3)
−30 (−−−−) 70

Data Button 2 − Varies with RBS (U−MEST_RB2)
−20 (−−−−) 80

Data Button 1 − Varies with RBS (U−MEST_RB1)
−10 (−−−−) 90

0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951

MEST_PADD (U−MEST_RESISTIVITY_PADD_DS) (−−−−)

MEST_PADC (U−MEST_RESISTIVITY_PADC_DS) (−−−−)

MEST_PADB (U−MEST_RESISTIVITY_PADB_DS) (−−−−)

MEST_PADA (U−MEST_RESISTIVITY_PADA_DS) (−−−−)

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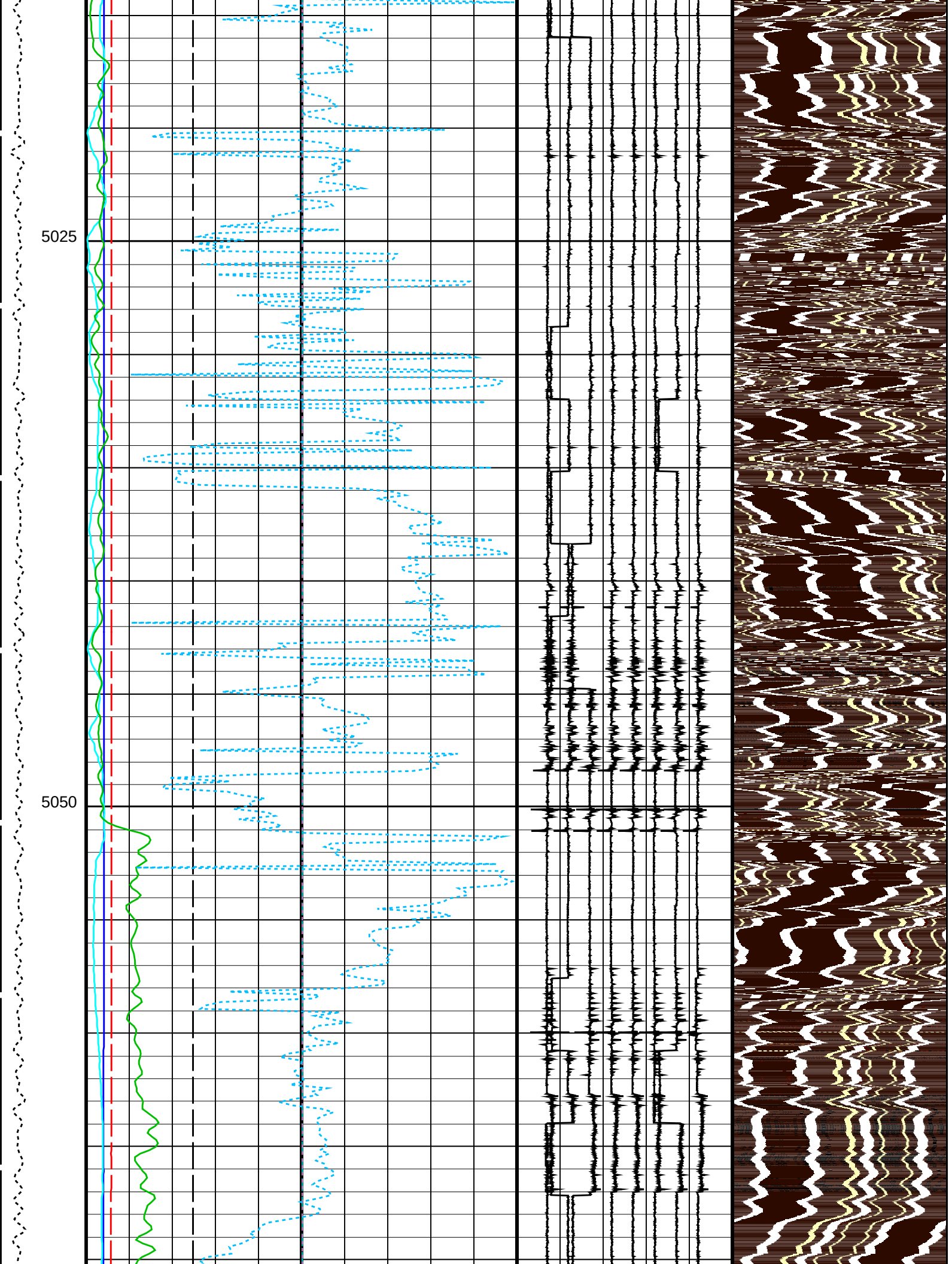
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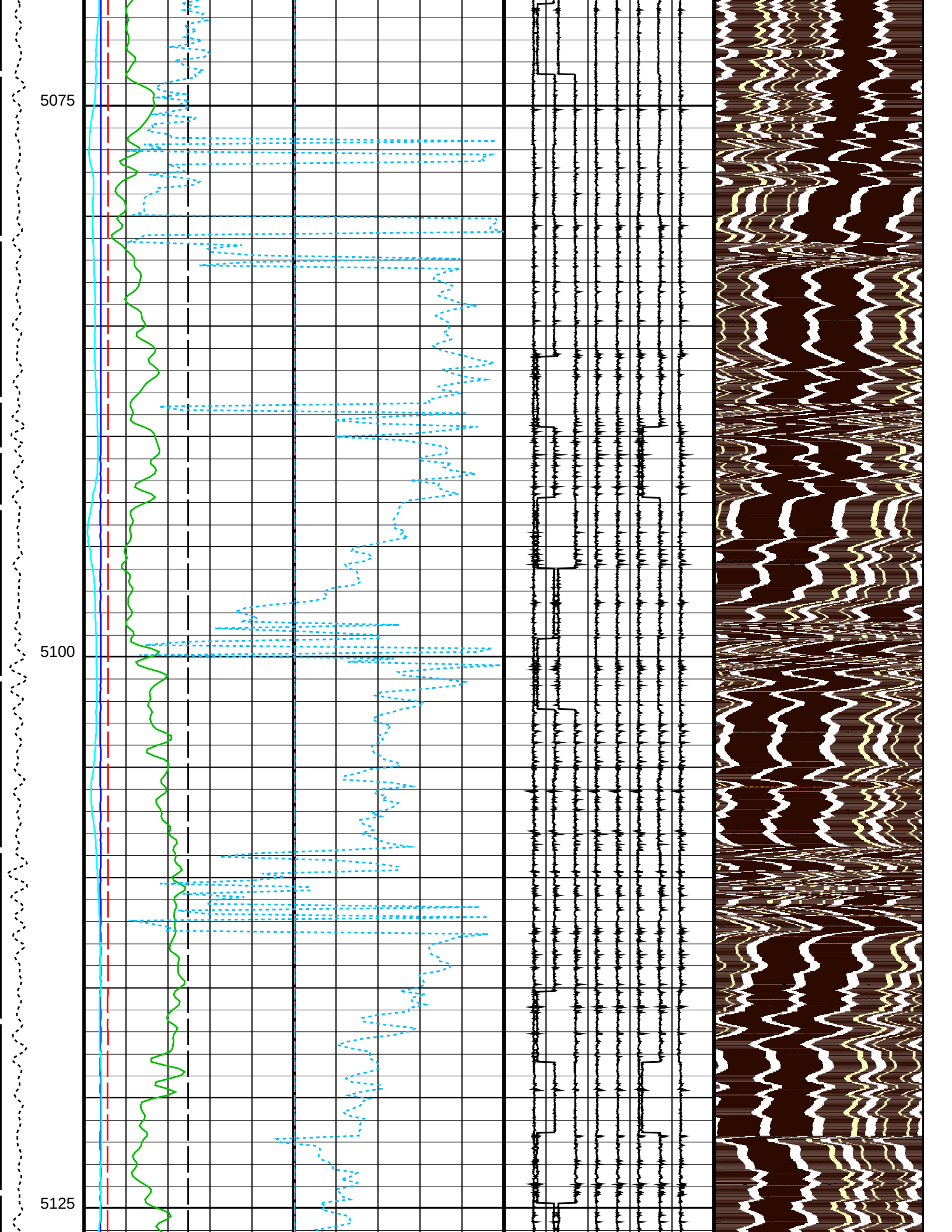
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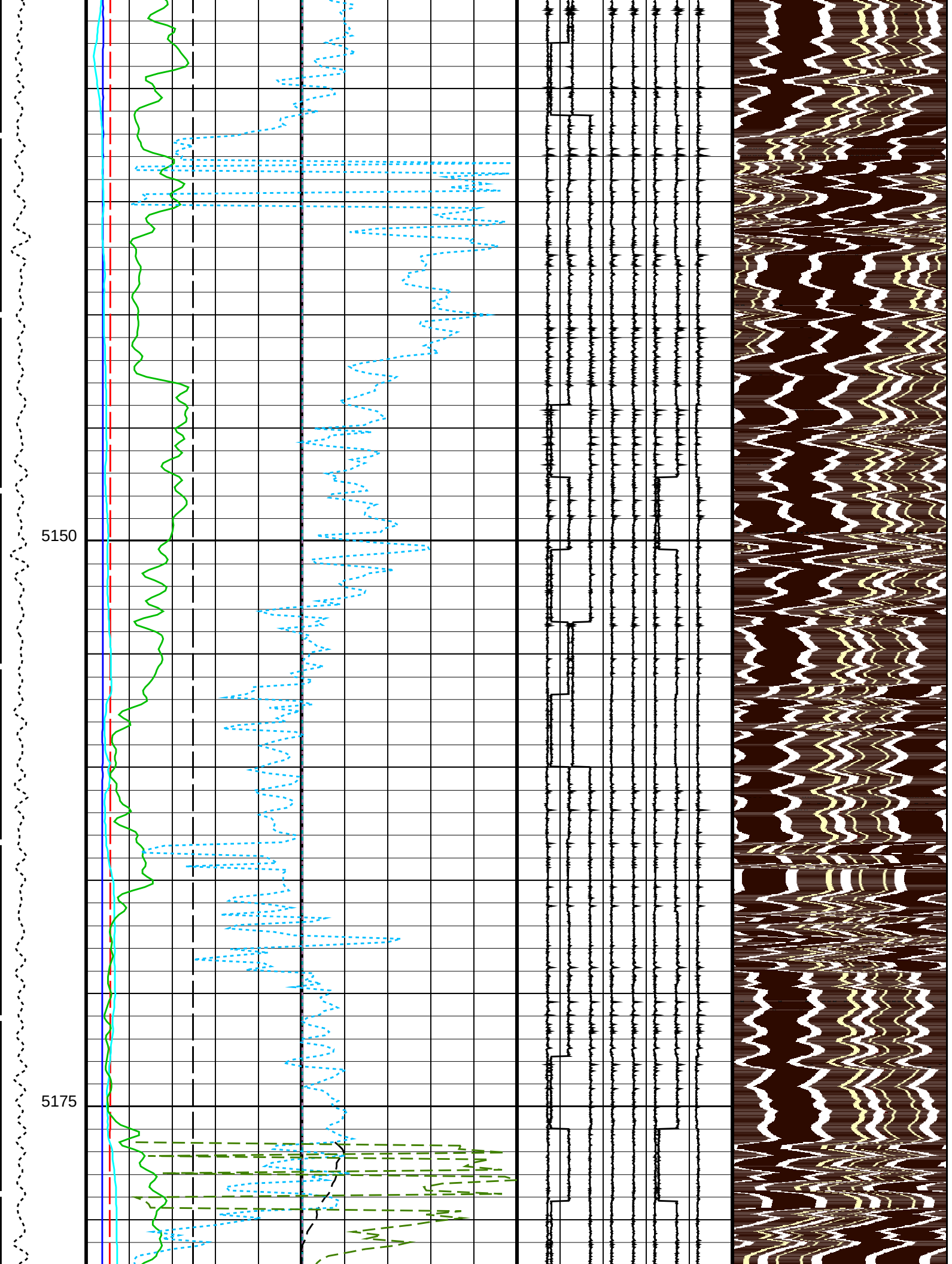
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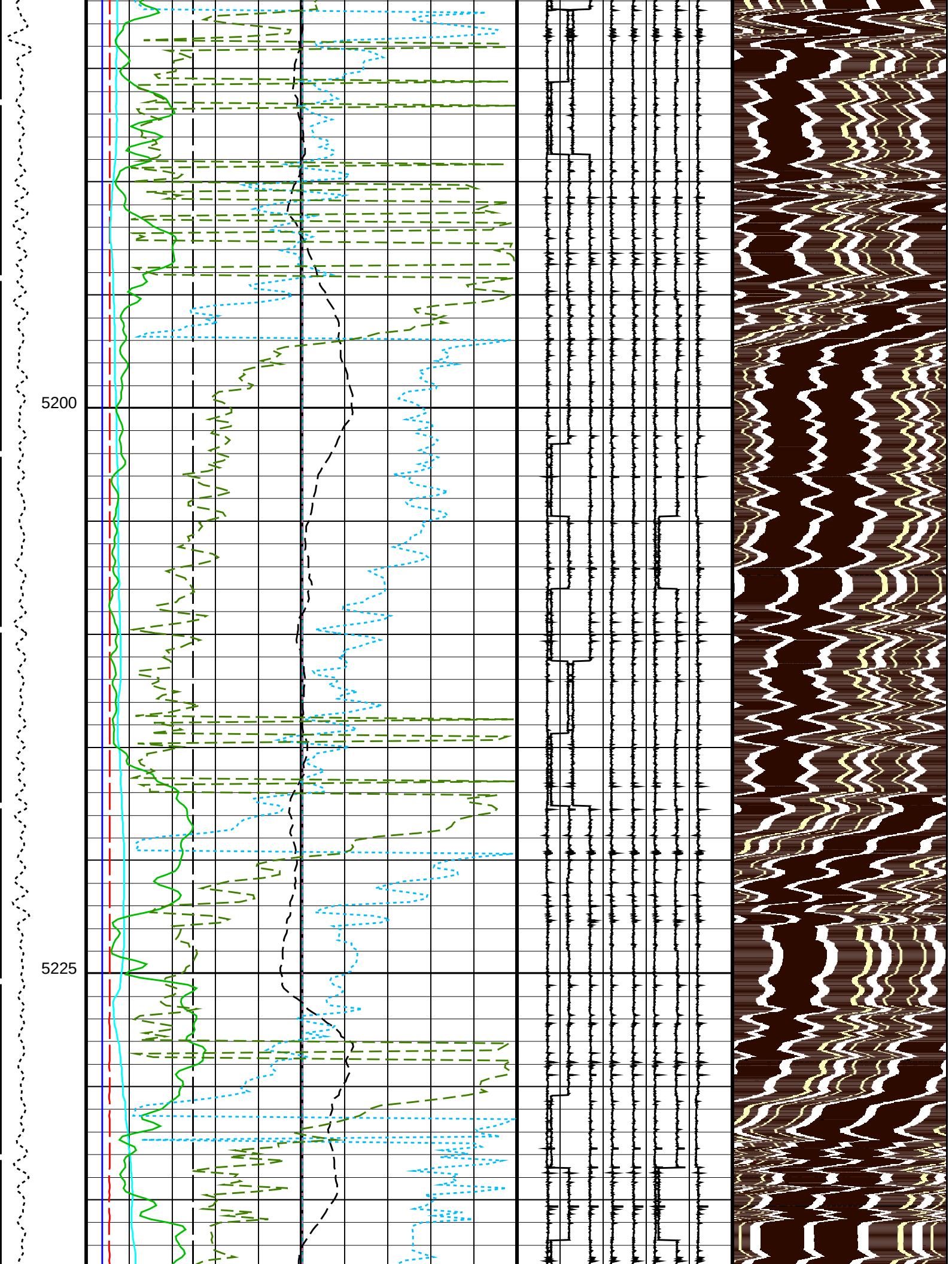
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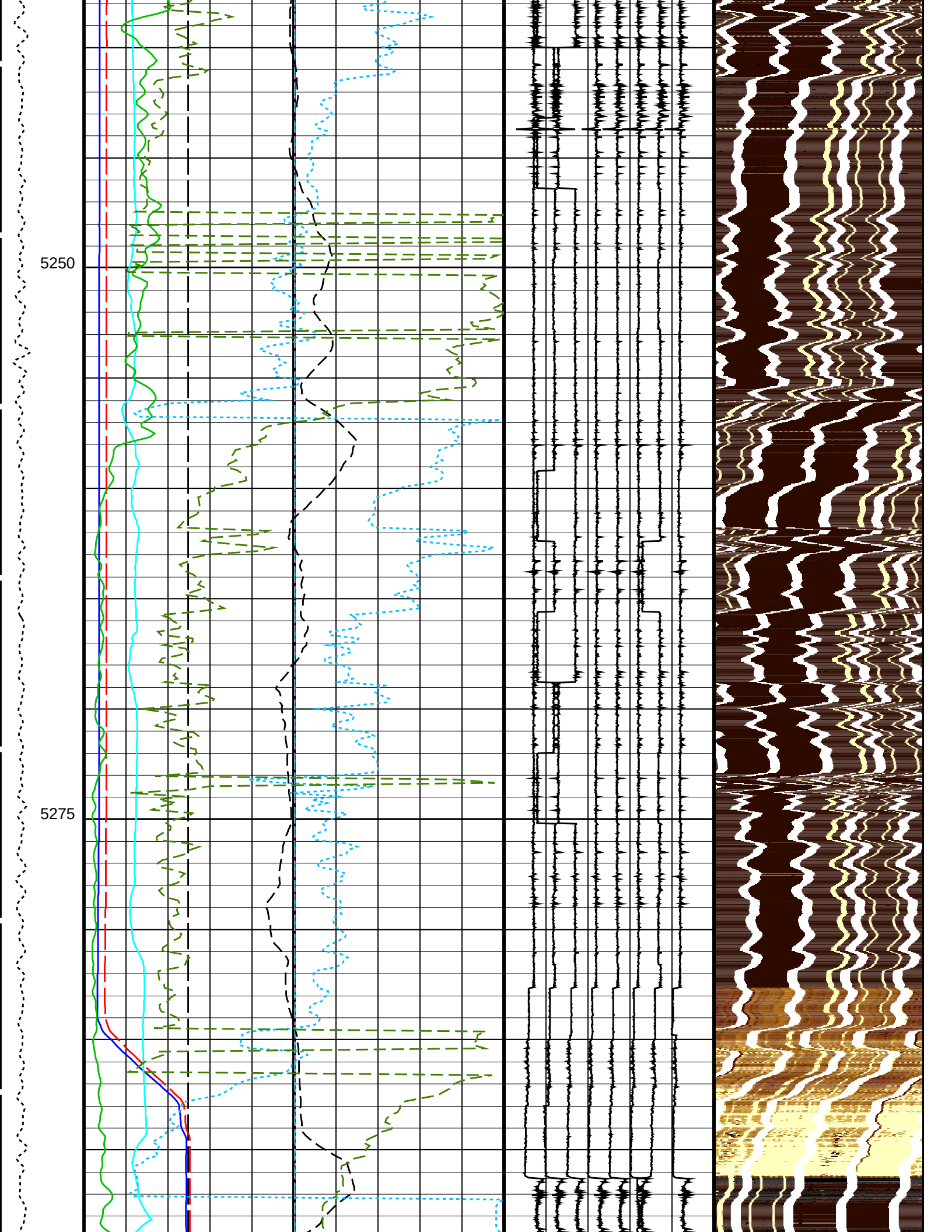
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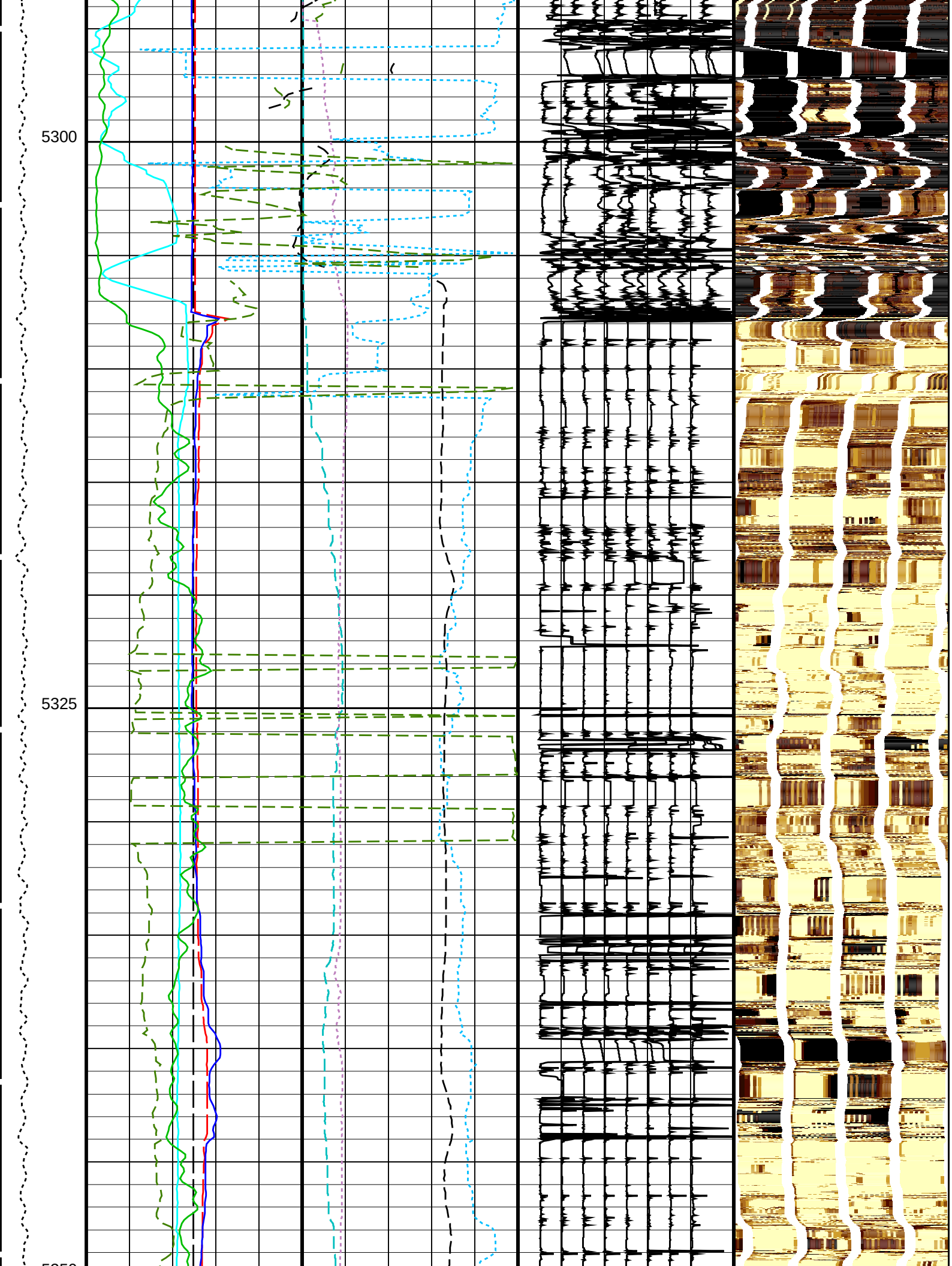
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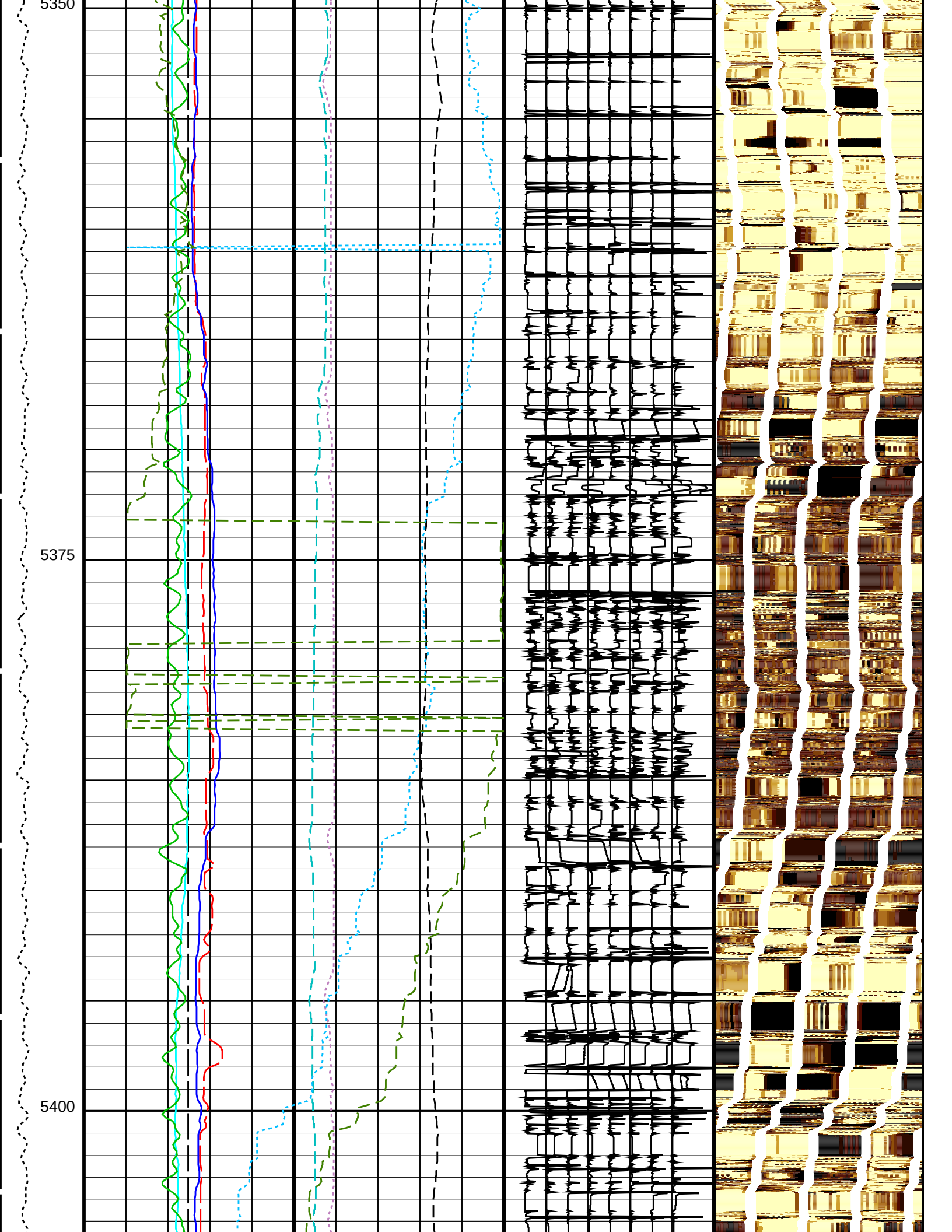
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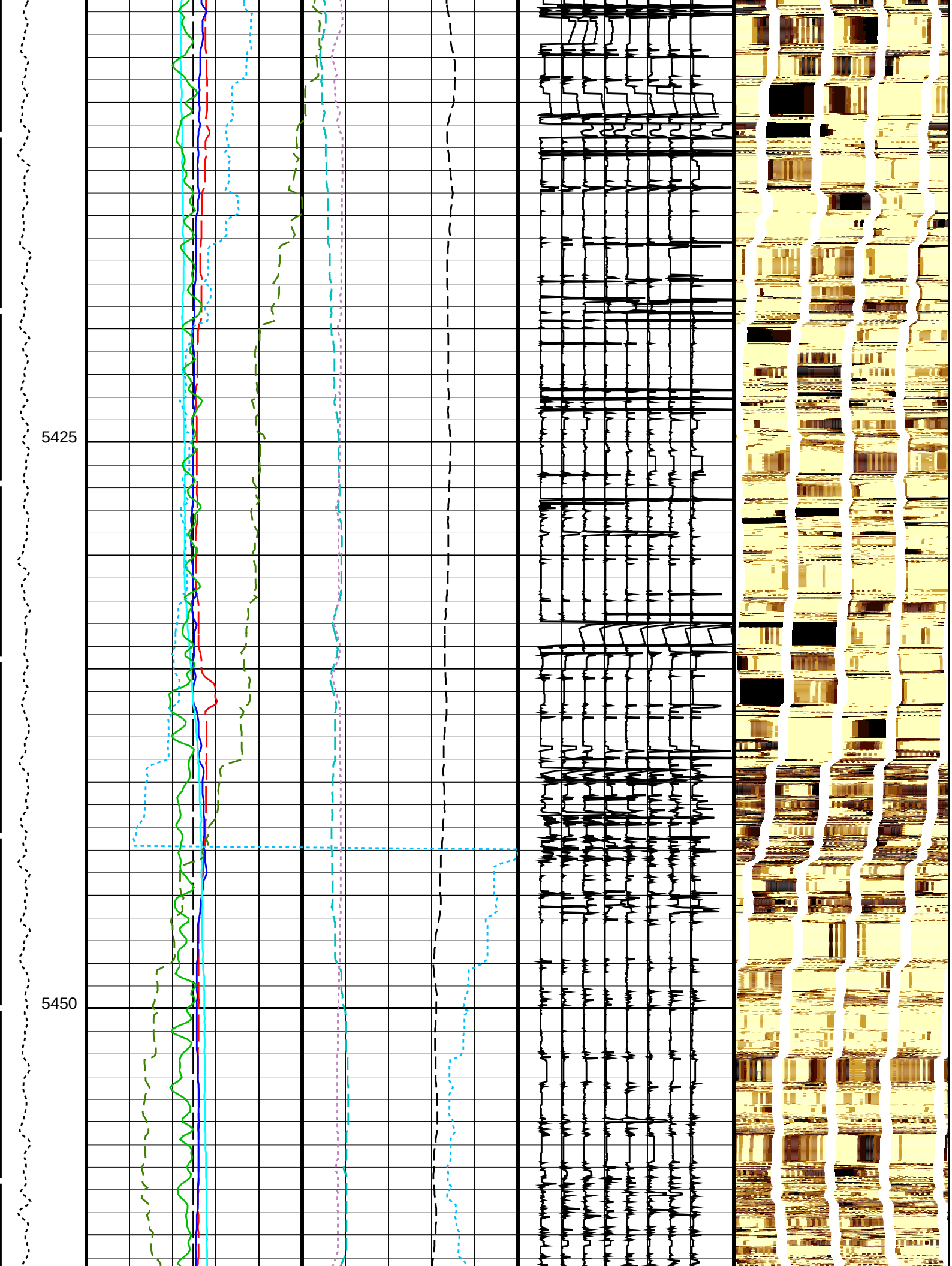
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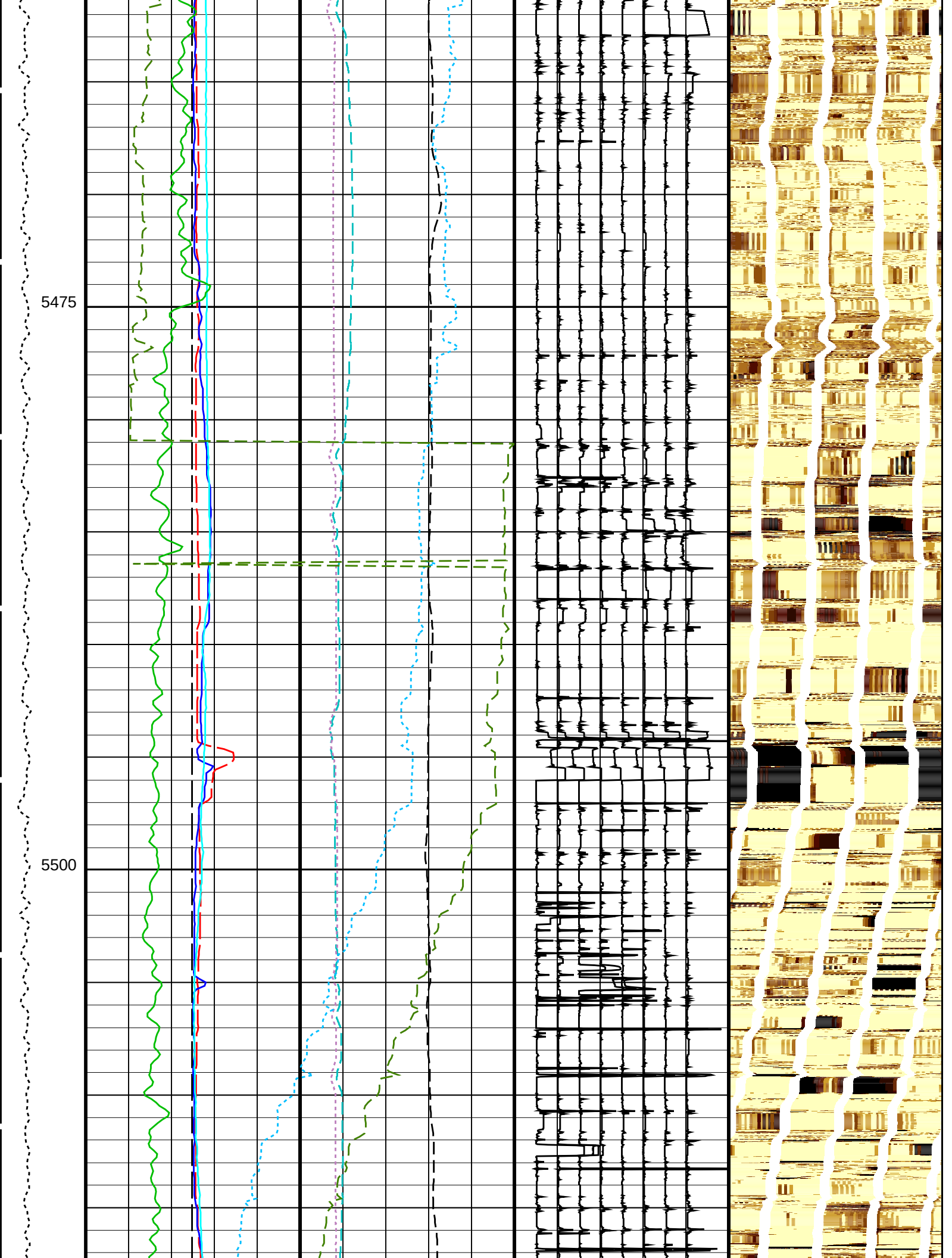
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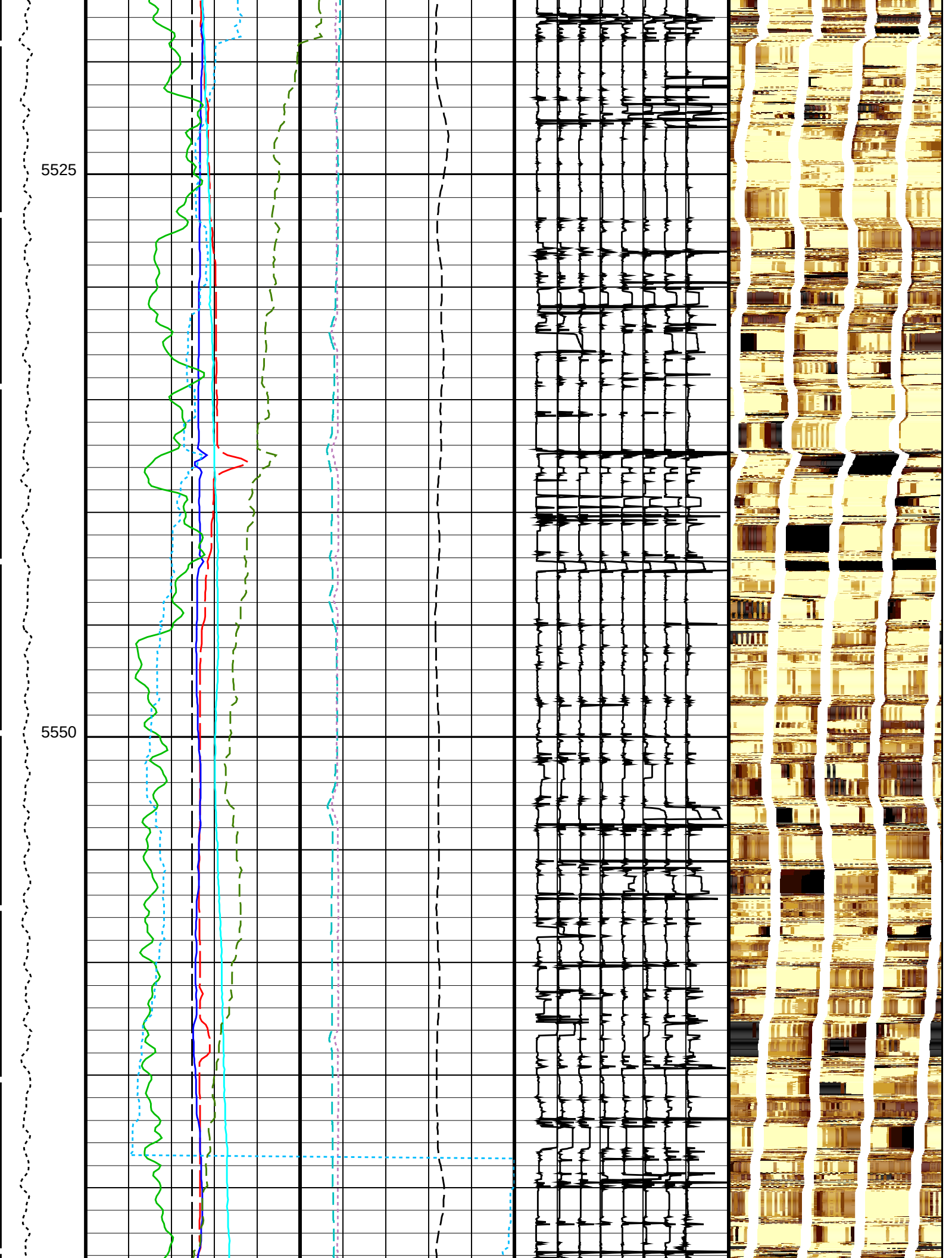
5525
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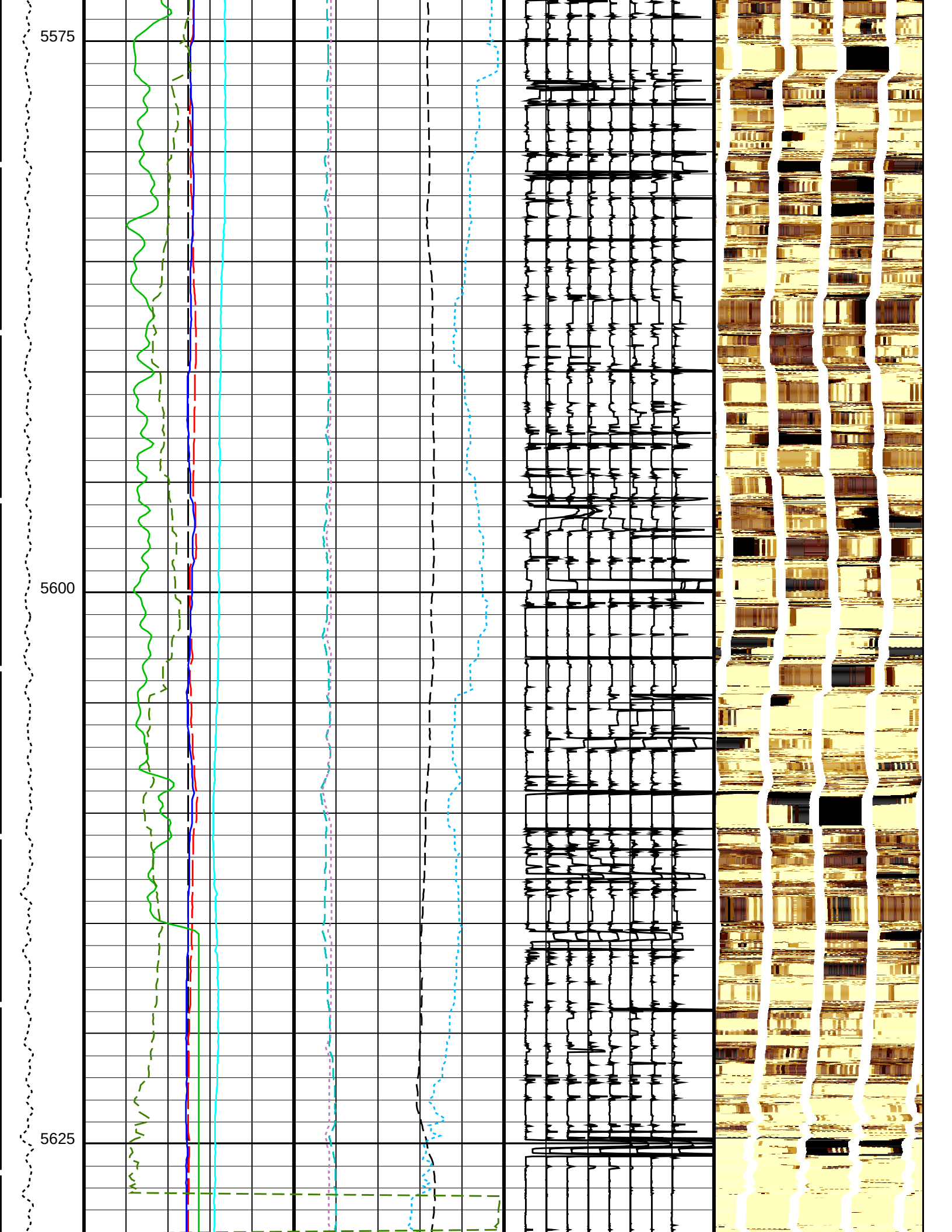
5575
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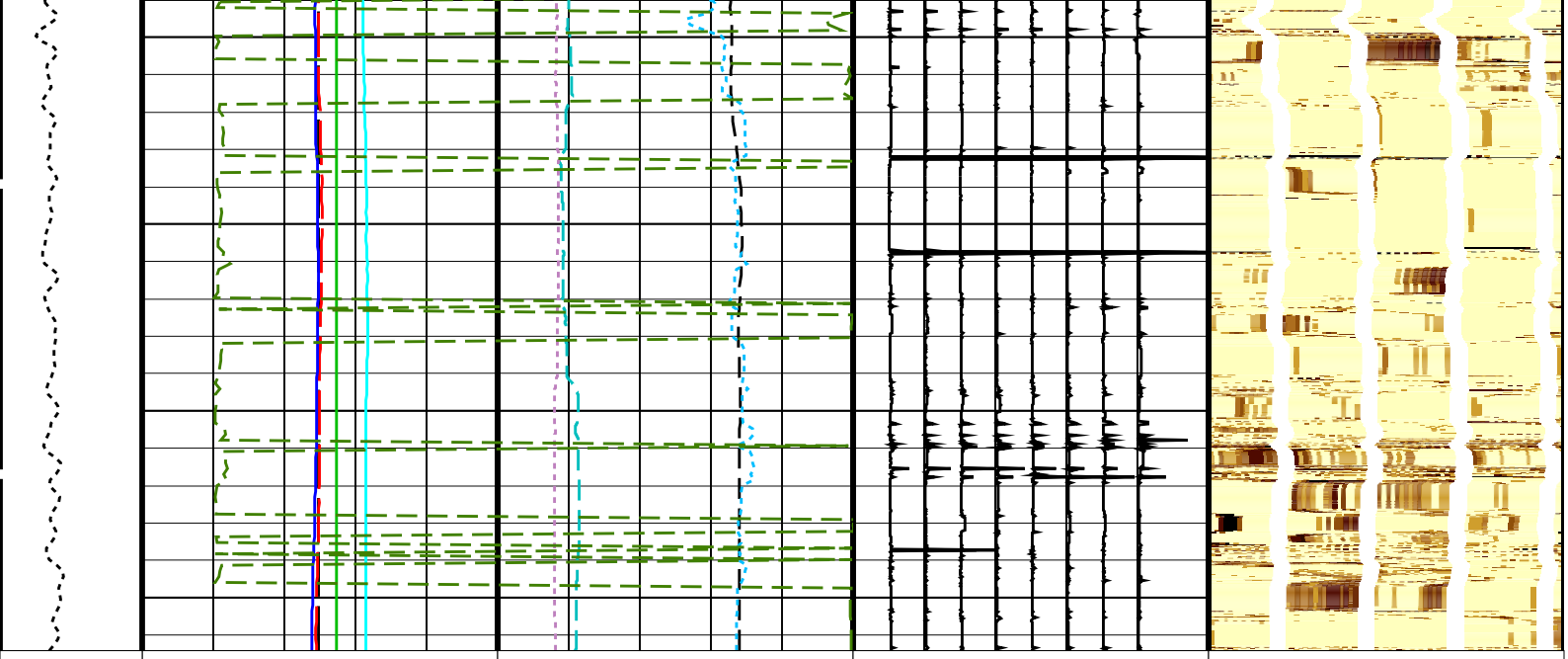

Tension (TENS) (LBF) 0 5000	Bit Size (BS) 0 (IN) 20	EMEX Voltage (EV) 0 (V) 50	Data Button 1 − Varies with RBS (U−MEST_RB1) −10 (−−−−) 90	0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951 MEST_PADA (U−MEST_RESISTIVITY_PADA_DS) (−−−−)
	Caliper 1 (C1) 0 (IN) 20	EMEX Intensity (EI) 0 (AMPS) 10	Data Button 2 − Varies with RBS (U−MEST_RB2) −20 (−−−−) 80	0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951 MEST_PADB (U−MEST_RESISTIVITY_PADB_DS) (−−−−)
	Caliper 2 (C2) 0 (IN) 20		Data Button 3 − Varies with RBS (U−MEST_RB3) −30 (−−−−) 70	0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951 MEST_PADC (U−MEST_RESISTIVITY_PADC_DS) (−−−−)
	Deviation (DEVIM) 0 (DEG) 10		Data Button 4 − Varies with RBS (U−MEST_RB4) −40 (−−−−) 60	0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951 MEST_PADD (U−MEST_RESISTIVITY_PADD_DS) (−−−−)
	Gamma Ray (GR_EDTC) 0 (GAPI) 150		Data Button 5 − Varies with RBS (U−MEST_RB5) −50 (−−−−) 50	
	Hole Azimuth (HAZIM) −40 (DEG) 360		Data Button 6 − Varies with RBS (U−MEST_RB6) −60 (−−−−) 40	
	Pad One Azimuth (P1AZ_MEST) −40 (DEG) 360		Data Button 7 − Varies with RBS (U−MEST_RB7) −70 (−−−−) 30	
	Relative Bearing (RB_MEST) −40 (DEG) 360		Data Button 8 − Varies with RBS (U−MEST_RB8) −80 (−−−−) 20	

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**	**−23.9726**	**DEG**
MLM	**MEST Logging Mode**	**SCAN1800**	
RBS	**Resistivity Button Selection**	**AUTO**	
XGAI	**Gain**	**GAIN_2**	
XOFF	**Offset**	**OFFSET_0**	
	System and Miscellaneous		
BS	**Bit Size**	**9.875**	**IN**

Format: MEST_C_WRAP_BY_P1AZ Vertical Scale: 1:200 Graphics File Created: 06−May−2022 00:52

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**

Output DLIS Files

DEFAULT	**FMS_DSI_NGS_061LUP**	**FN:70**	**PRODUCER**	**06−May−2022 00:52**
RTB	**FMS_DSI_NGS_061LUP**	**FN:71**	**PRODUCER**	**06−May−2022 00:52**

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Callibrations

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner − B (Slim) Wellsite Calibration − Caliper Calibration							
Before: Calibration out of date 18−Feb−2022 19:47							
Caliper 1 Zero Measurement	12.00	N/A	12.63	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	12.00	N/A	12.77	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.20	N/A	15.78	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.20	N/A	15.76	N/A	N/A	N/A	IN
Micro Electrical Scanner − B (Slim) Wellsite Calibration − CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 5−May−2022 19:09							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	99	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	743	N/A	N/A	N/A	
Micro Electrical Scanner − B (Slim) Wellsite Calibration − CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY							
Before: 5−May−2022 19:09							
TEMPERATURE REFERENCE :	N/A	N/A	23	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	9	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	507	N/A	N/A	N/A	
Hostile Natural Gamma Ray Sonde Wellsite Calibration − Detector 1 Check							
Master: Calibration out of date 2−May−2021 11:41 Before: 4−May−2022 21:16 After: 5−May−2022 17:42							
Na 511 Peak Loc	40.00	38.51	39.50	39.76	0.2606	1.000	
Na 511 Peak Res	15.50	16.08	17.62	14.16	−3.463	2.000	%
High Voltage	1150	1210	1201	1203	1.489	N/A	V
Na 1785 Peak Loc	142.6	140.8	142.1	143.3	1.186	7.000	
Na 1785 Peak Res	8.500	9.038	9.852	10.19	0.3379	2.000	%
Temperature	15.50	27.21	25.30	22.58	−2.718	N/A	DEGC
Na Count Rate	45.00	10.57	7.728	7.033	−0.6948	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration − Detector 2 Check

Master: Calibration out of date 2−May−2021 11:41 Before: 4−May−2022 21:16 After: 5−May−2022 17:42

Na 511 Peak Loc	40.00	39.36	40.54	40.37	−0.1694	1.000	
Na 511 Peak Res	15.50	16.98	16.01	15.57	−0.4337	2.000	%
High Voltage	1150	1089	1085	1086	1.333	N/A	V
Na 1785 Peak Loc	142.6	142.8	144.7	145.8	1.123	7.000	
Na 1785 Peak Res	8.500	9.374	8.734	9.130	0.3968	2.000	%
Temperature	15.50	26.50	24.48	22.79	−1.684	N/A	DEGC
Na Count Rate	45.00	10.57	7.625	7.128	−0.4971	8.000	CPS

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

Master: Calibration out of date 2−May−2021 11:41 Before: 4−May−2022 21:16 After: 5−May−2022 17:42

Coincidence Count Rate Ratio	1.000	0.9991	1.012	0.9820	−0.02991	0.05000	

Enhanced DTS Cartridge Wellsite Calibration − EDTC Accelerometer Calibration

Before: 5−May−2022 8:27

EDTC Z−Axis Acceleration	9.810	N/A	9.778	N/A	N/A	N/A	M/S2

Enhanced DTS Cartridge Wellsite Calibration − Detector Calibration

Before: 4−May−2022 20:05 After: 5−May−2022 7:16

Gamma Ray (Jig − Bkg)	113.5	N/A	113.5	110.6	−2.907	10.31	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	160.8	−4.228	15.00	GAPI

Micro Electrical Scanner − B (Slim) / Equipment Identification

Primary Equipment:		
MEST Sonde − B	MEDS − B	724
MEST Preamplifier Cartridge − AB	MEPC − AB	806
GPIT Cartridge − AC	GPIC − AC	840
MEST Acquisition Cartridge − A	MEAC − A	804
Auxiliary Equipment:		
MEST−B Preamplifier Cartridge Housing	MEPH − A	701
MEST Acquisition Cartridge Housing (Slim	MEAH − B	769

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	177
Auxiliary Equipment:		
HNGS Sonde Housing	HNSH − BA	174
Gamma Source Radioactive	GSR − U	6098

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 1 Check

Phase	Na 511 Peak Loc	Value
Master		38.51
Before		39.50
After		39.76

37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)

Phase	Na 511 Peak Res %	Value
Master		16.08
Before	BEFORE−AFTER LIMIT	17.62
After		14.16

12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)

Phase	High Voltage V	Value
Master		1210
Before		1201
After		1203

900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)

Phase	Na 1785 Peak Loc	Value
Master		140.8
Before		142.1
After		143.3

Phase	Na 1785 Peak Res %	Value
Master		9.038
Before		9.852
After		10.19

Phase	Temperature DEGC	Value
Master		27.21
Before		25.30
After		22.58

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		10.57
Before	EXCEEDS LIMIT	7.728
After	EXCEEDS LIMIT	7.033
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)	

Master: Calibration out of date 2−May−2021 11:41 Before: 4−May−2022 21:16 After: 5−May−2022 17:42

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 2 Check

Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master	MASTER−BEFORE LIMIT	39.36	Master		16.98	Master		1089
Before		40.54	Before		16.01	Before		1085
After		40.37	After		15.57	After		1086
	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		142.8	Master		9.374	Master		26.50
Before		144.7	Before		8.734	Before		24.48
After		145.8	After		9.130	After		22.79
	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		10.57
Before	EXCEEDS LIMIT	7.625
After	EXCEEDS LIMIT	7.128
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)	

Master: Calibration out of date 2−May−2021 11:41 Before: 4−May−2022 21:16 After: 5−May−2022 17:42

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Ratio Of Detector 1 To Detector 2

Phase	Coincidence Count Rate Ratio	Value
Master		0.9991
Before		1.012
After		0.9820
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	

Master: Calibration out of date 2−May−2021 11:41
Before: 4−May−2022 21:16
After: 5−May−2022 17:42

Enhanced DTS Cartridge / Equipment Identification

Primary Equipment:

EDTC Gamma Ray Detector	EDTG − A/B	77693
Enhanced DTS Cartridge	EDTC − B	8529

Auxiliary Equipment:

EDTC Housing	EDTH − B	8528

Enhanced DTS Cartridge Wellsite Calibration

EDTC Accelerometer Calibration

Phase	EDTC Z−Axis Acceleration M/S2	Value
Before		9.778
	9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)	

Before: 5−May−2022 8:27

Enhanced DTS Cartridge Wellsite Calibration

Detector Calibration

Phase	Gamma Ray Background GAPI	Value
Before		1.703
After		9.782

0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)

Phase	Gamma Ray (Jig − Bkg) GAPI	Value
Before		113.5
After		110.6

103.1 (Minimum) 113.5 (Nominal) 123.8 (Maximum)

Phase	Gamma Ray (Calibrated) GAPI	Value
Before		165.0
After		160.8

150.0 (Minimum) 165.0 (Nominal) 180.0 (Maximum)

Before: 4−May−2022 20:05 After: 5−May−2022 7:16

Company: **International Ocean Discovery Program**

Schlumberger

Well: **Expedition 390, Site U1556B**
Field: **South Atlantic Transect 1**
Rig: **JOIDES Resolution**
Country: **South Africa**

Dipole Shear Sonic Imager (DSI)
Formation Microresistivity (FMS)