

DISCLAIMER

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OTHER SERVICES1

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

REMARKS: RUN NUMBER 1

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

Casing Shoe at 5297.0 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).

Ultrasonic Caliper calibrated to pipe ID on downward pass in lieu of fluid properties mode.

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

used for downlog corrections.

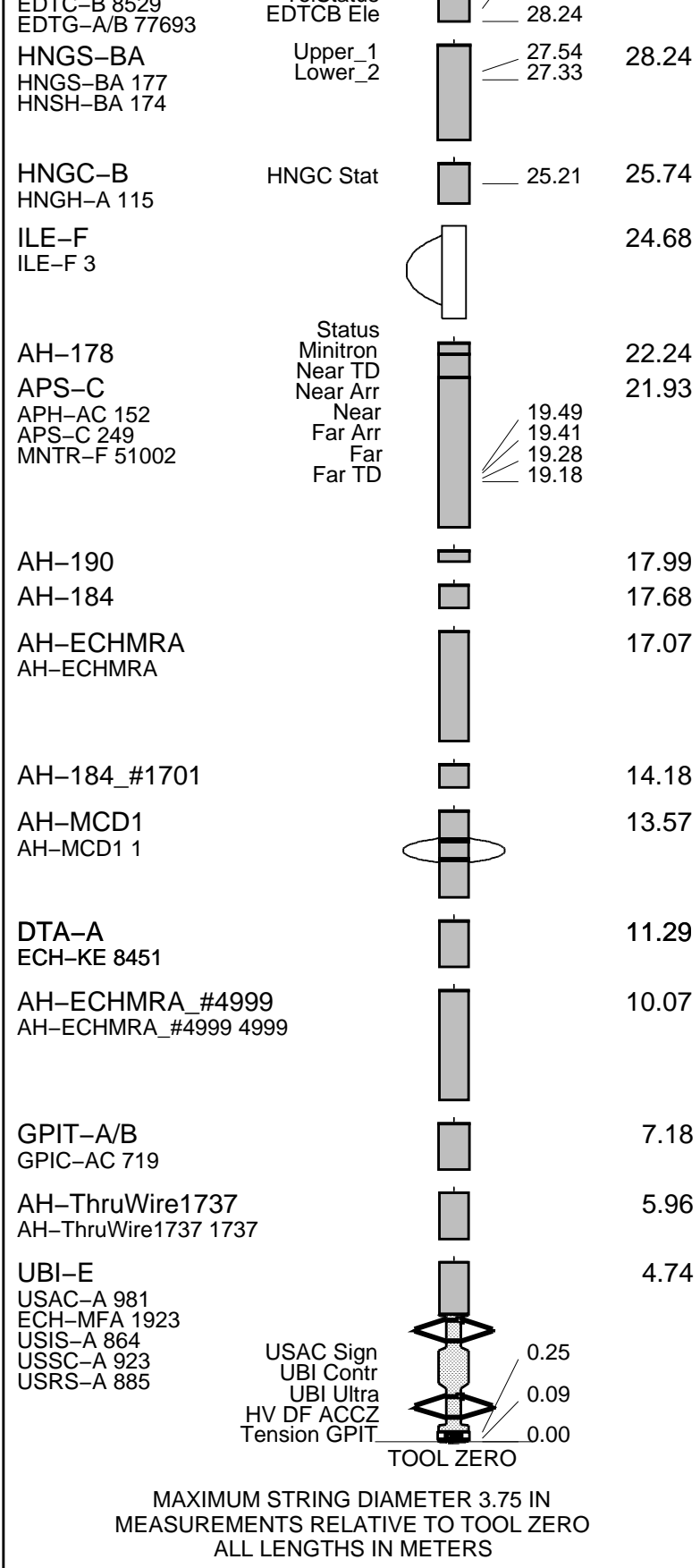
AHC used from TD then switched off to facilitate pipe entry.

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1	RUN 2
<p>SURFACE EQUIPMENT</p> <p>SFT-281 1 SFT-178 1 GSR-U 6098 WITM (EDTS)-A</p>	

RUN 1	RUN 2
<p>DOWNHOLE EQUIPMENT</p> <p>LEH-QT 31.55</p> <p>LEH-QT 301</p> <p>AH-369</p> <p>EDTC-B</p> <p>EDTH-B 8528</p> <p>EDTC</p> <p>MDSB_EDTC 30.22</p> <p>Mud Tempe 29.16</p> <p>CTEM 28.59</p> <p>Gamma Ray</p> <p>EFTB DIAG</p> <p>TelStatus</p>	



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

Kelly Bushing Elevation

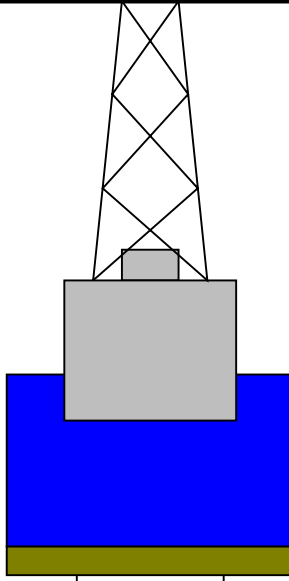
Derrick Floor Elevation

Mean Sea Level

0.0

0.0

11.0



0.0

5.500

4.125

Mean Sea Level



5054.0

5013.0

5297.0

5297.0

5645.3

5.500

10.750

10.750

9.875

9.875

4.125

9.900

9.900

9.875

9.875

Bit
Sea Bed

Casing Shoe
Open Hole

TD - Driller

Schlumberger

Downlog

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_UBI_APS_NGS_050LUP	PRODUCER	05-May-2022 16:24	5604.8 M	4976.6 M
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Output DLIS Files

DEFAULT	UBI_APS_NGS_051PUP	FN:56	PRODUCER	05-May-2022 16:25	5604.8 M	4976.6 M
RTB	UBI_APS_NGS_051PUP	FN:57	PRODUCER	05-May-2022 16:25	5604.8 M	4976.6 M

OP System Version: 19C0-187

UBI-E	SRPC-5095-H2-2011-OP19	GPIT-A/B	19C0-187
DTA-A	19C0-187	APS-C	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)
(GAPI) 0 100

HNGS Borehole Potassium (HBHK)
-0.05 (----) 0.05

Area1
From HCGR to HSGR

Calibrated
Downhole
Force
(CDF)
(LBF)
3000 0

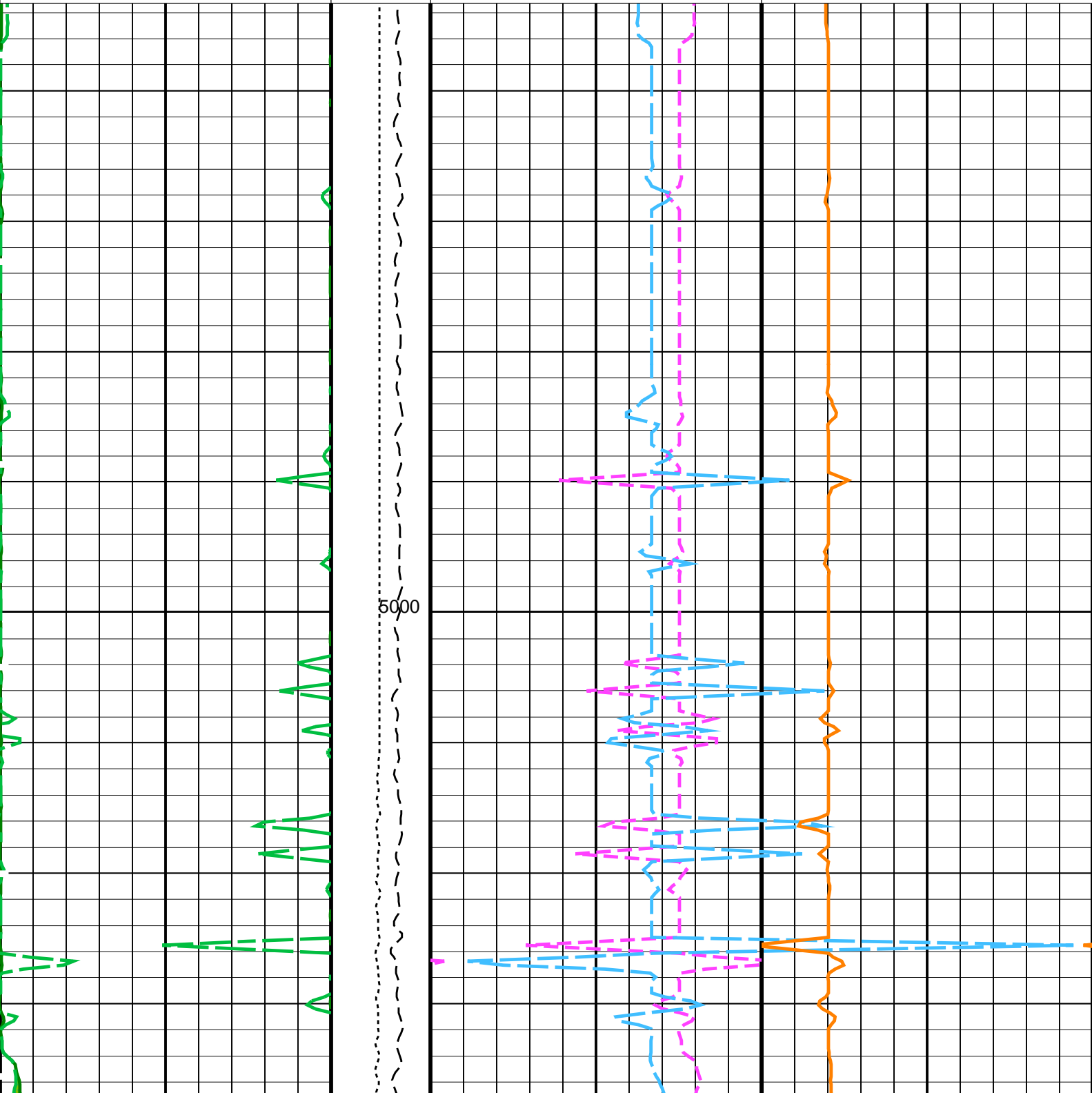
HNGS Uranium (HURA)
(PPM) -5 10

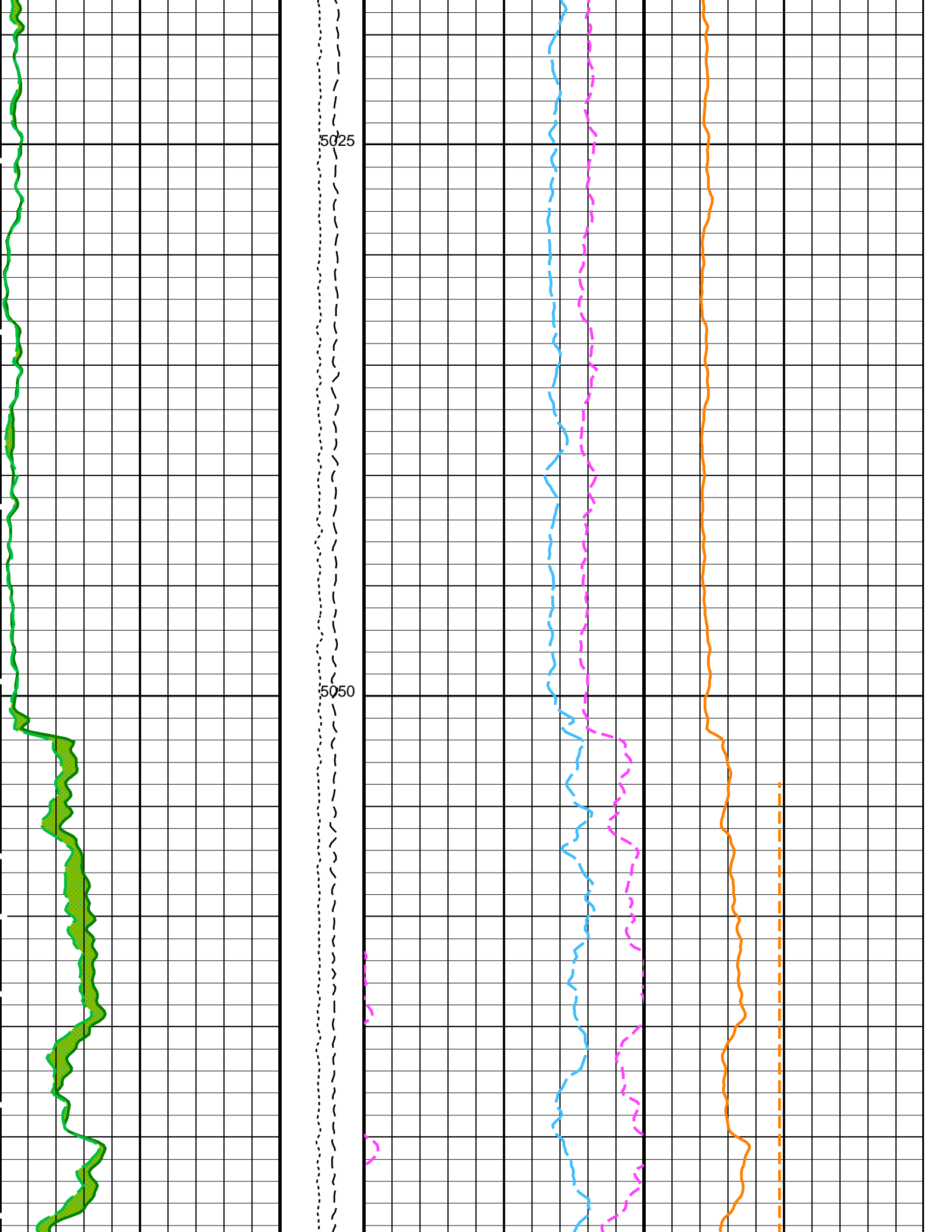
HNGS Computed Gamma Ray (HCGR)
(GAPI) 0 100

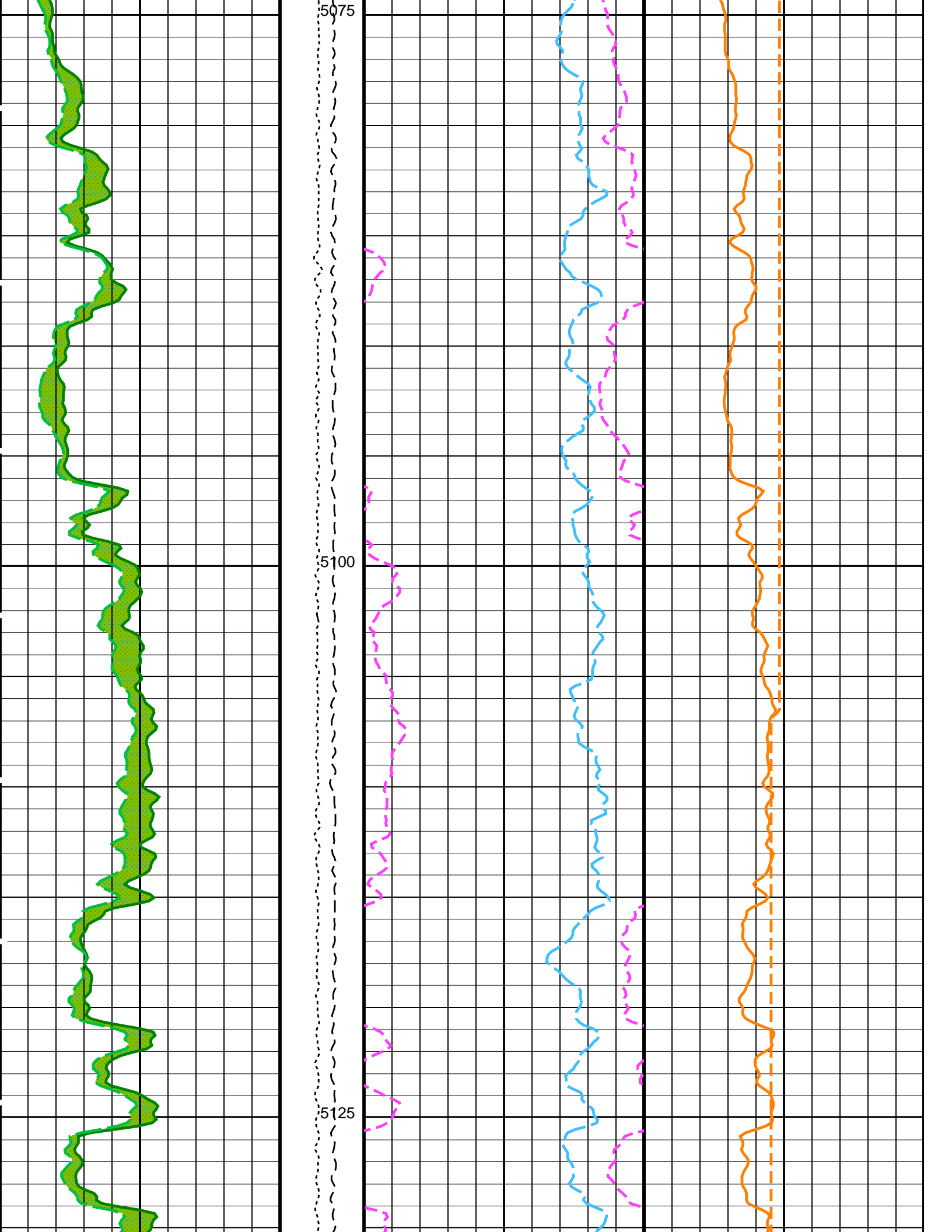
Tension
(TENS)
(LBF)
10000 0

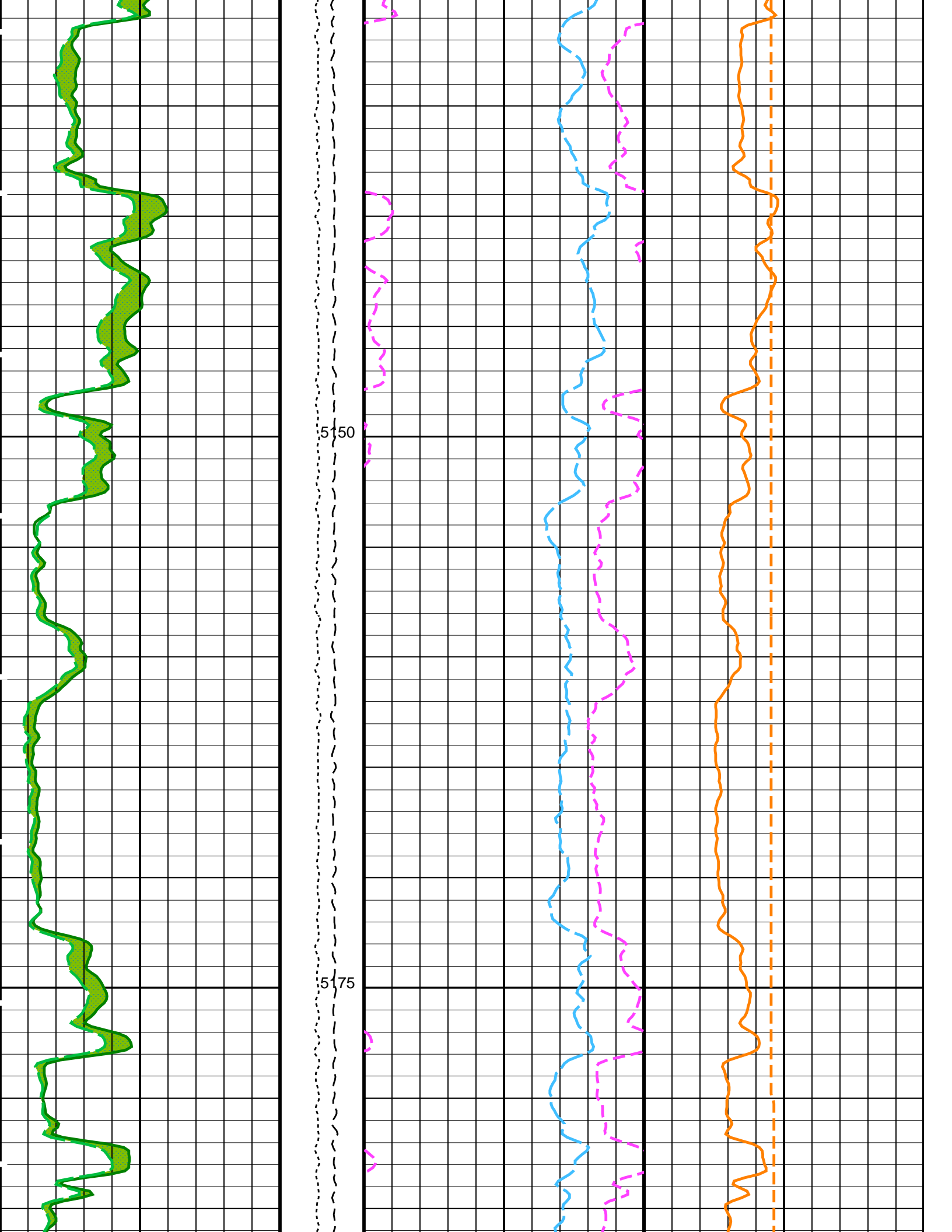
HNGS Thorium (HTHO)
(PPM) 5 25

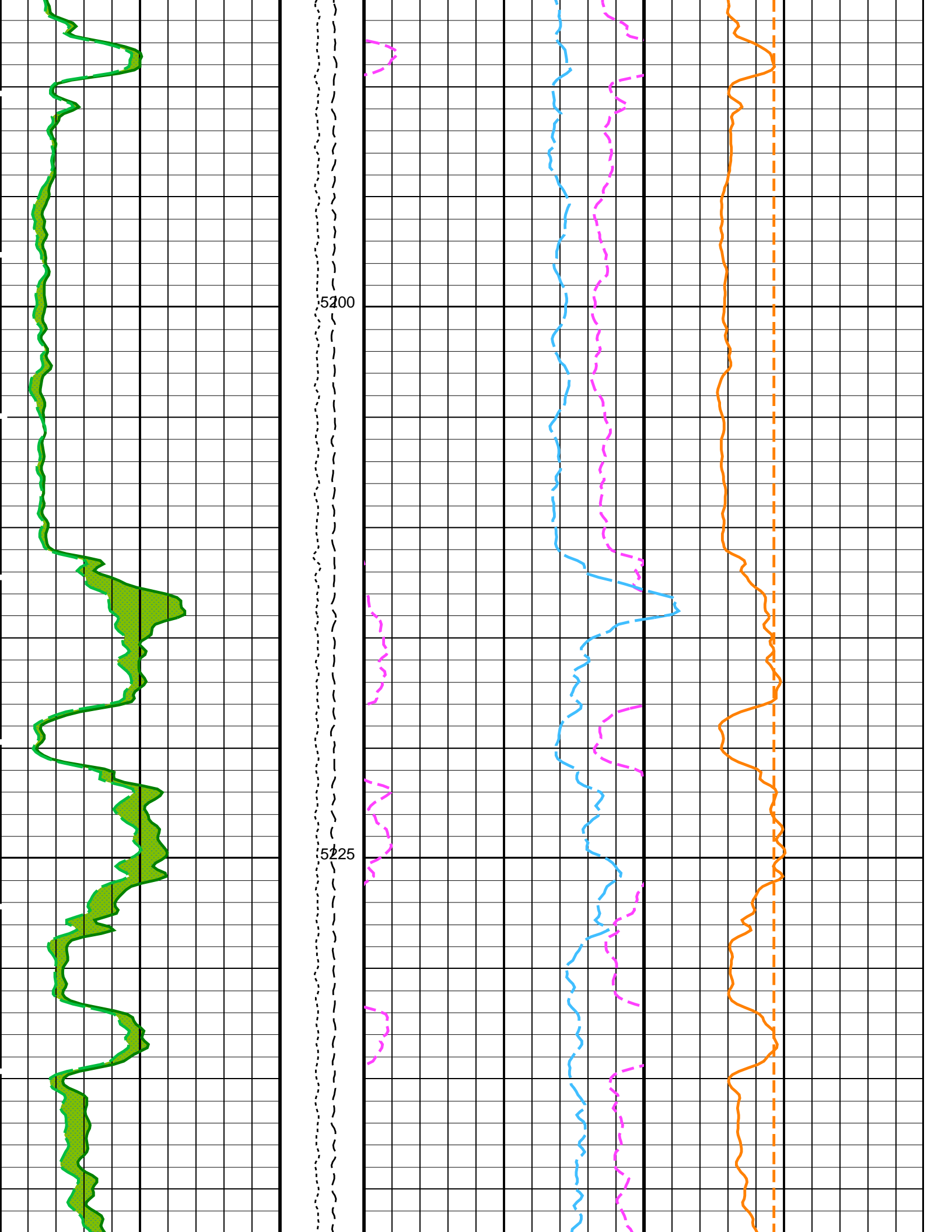
HNGS Potassium (HFK)
-0.01 (----) 0.04

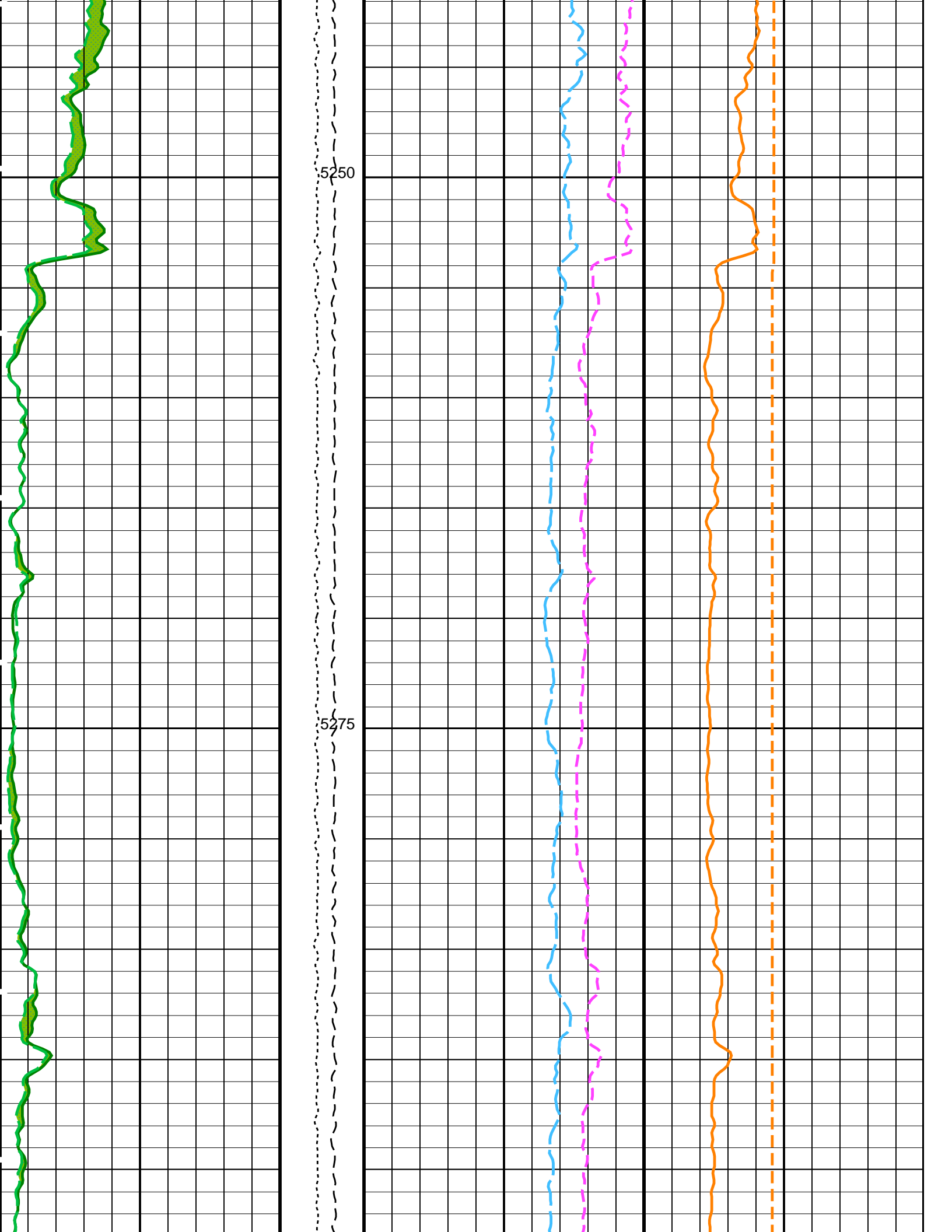


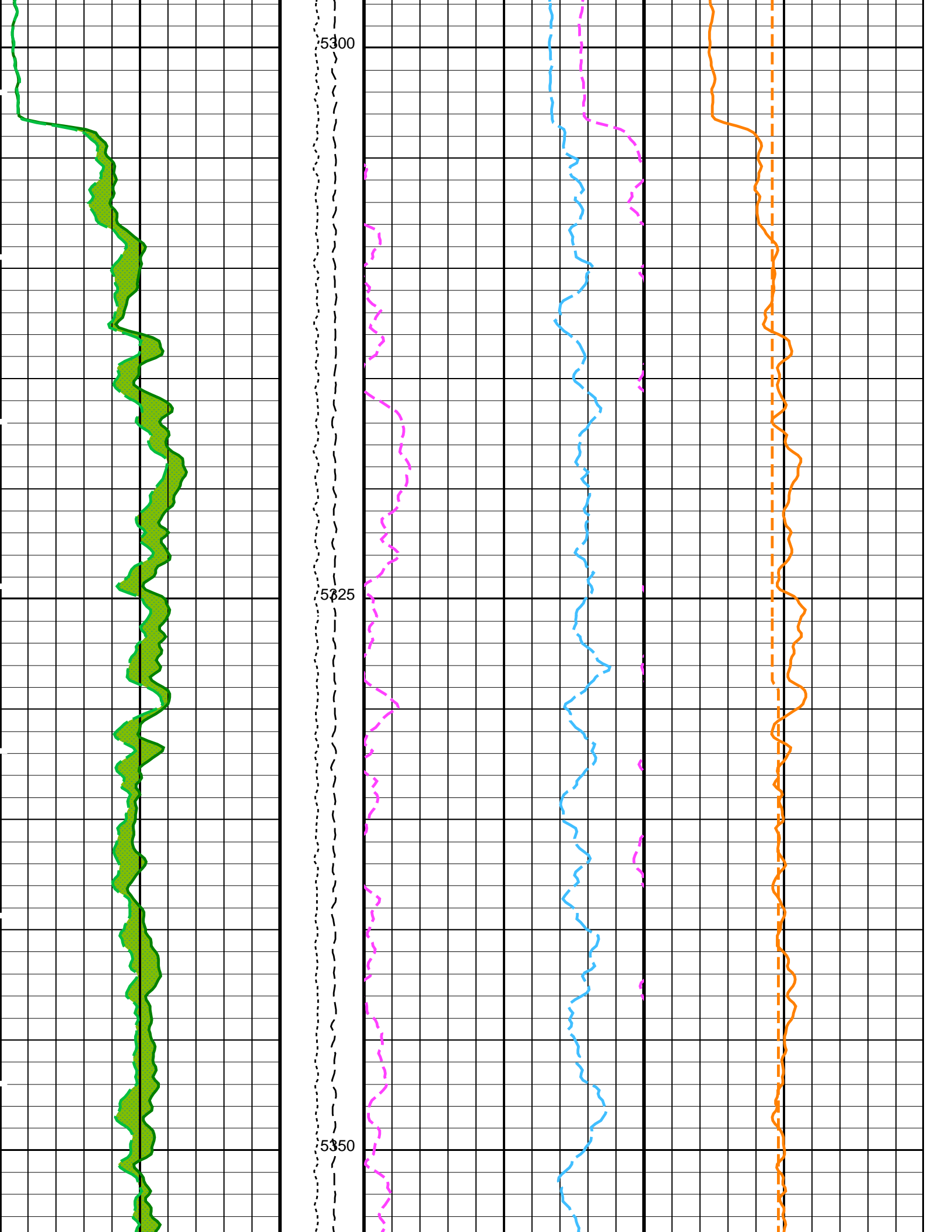


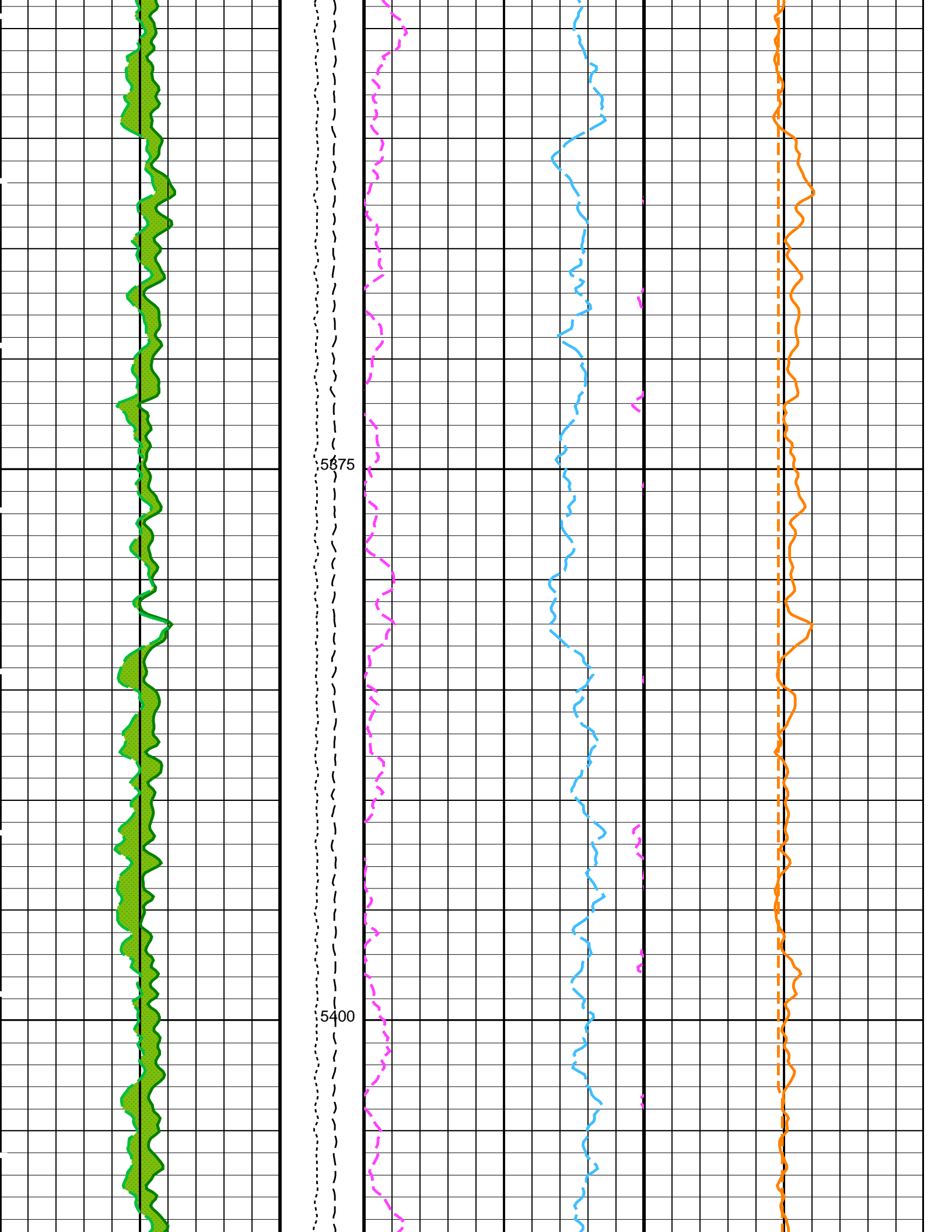


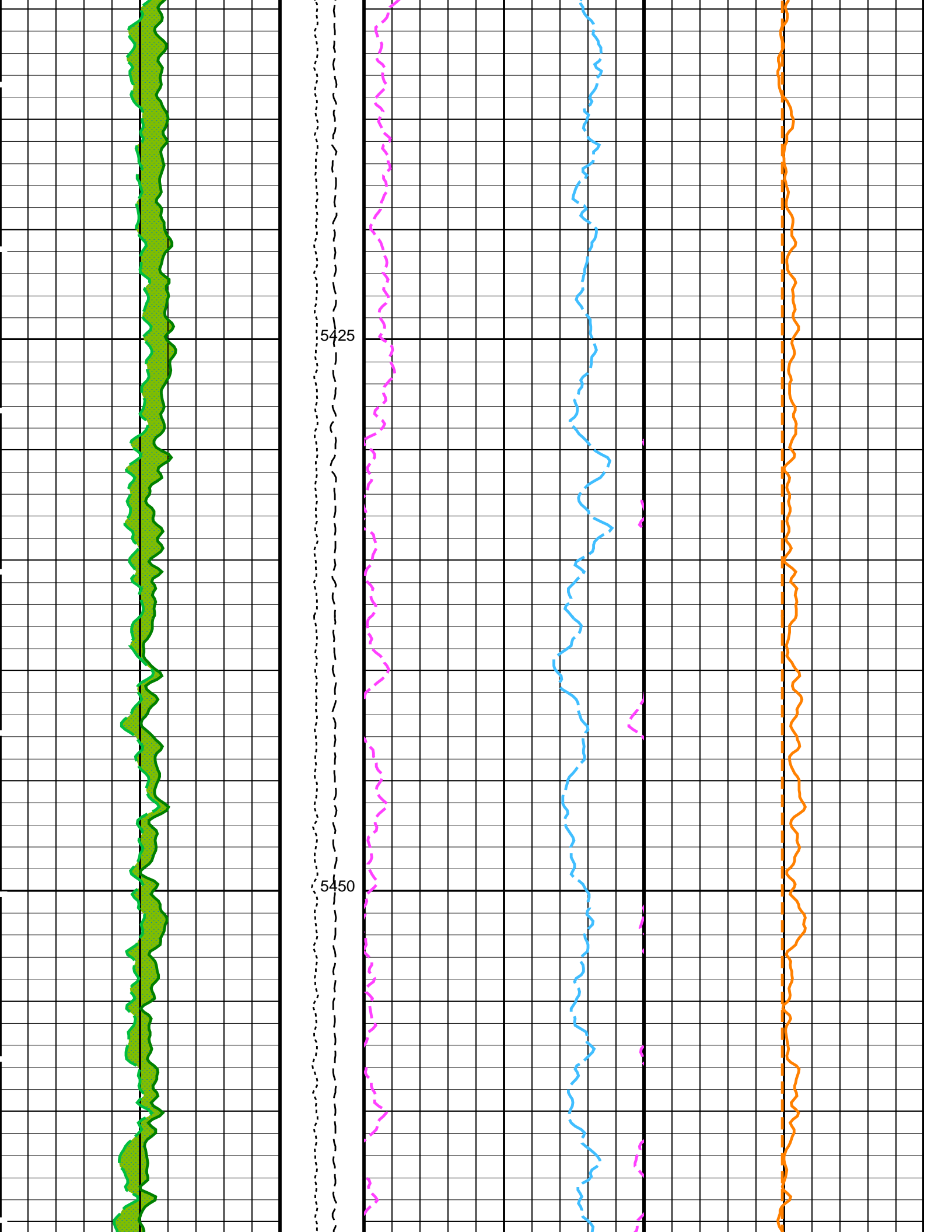


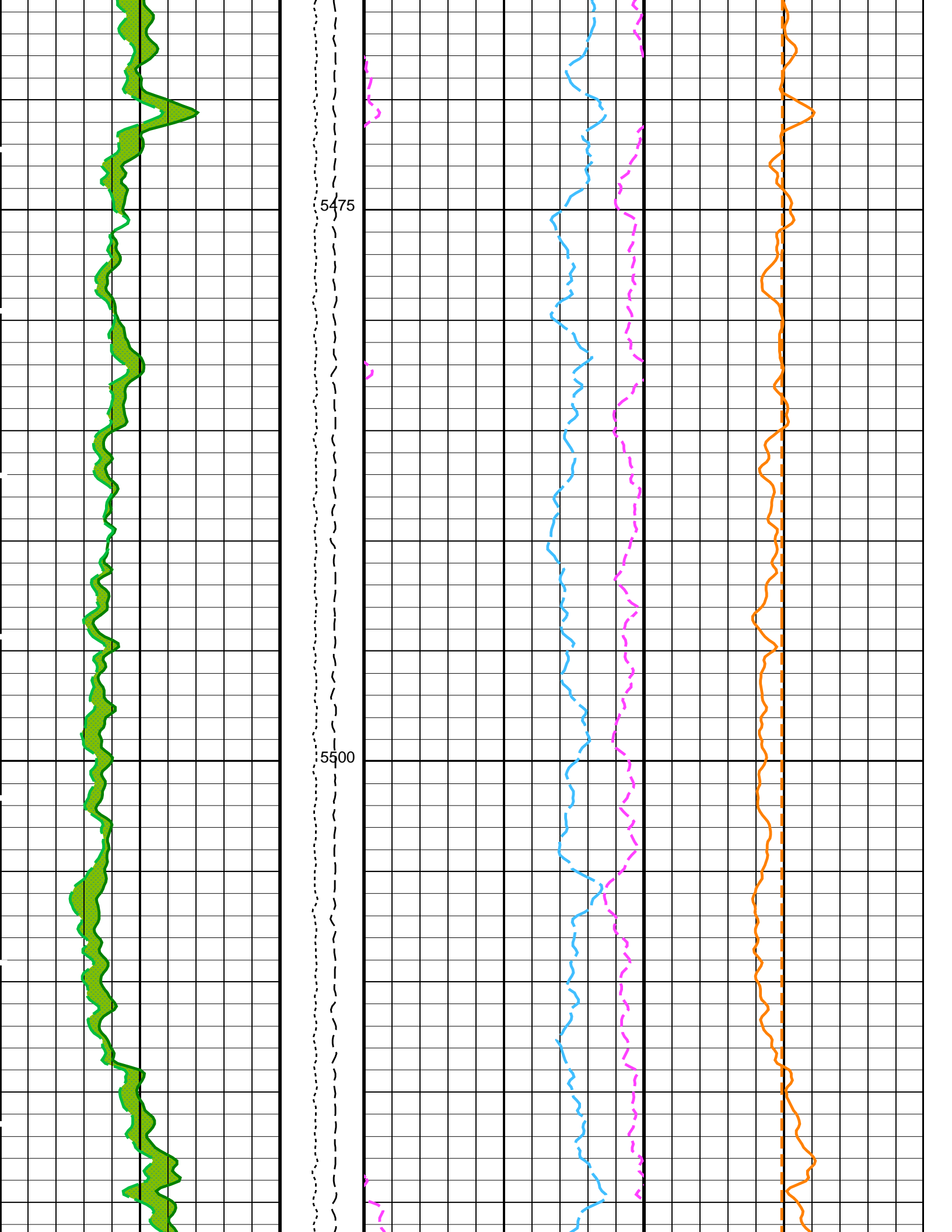


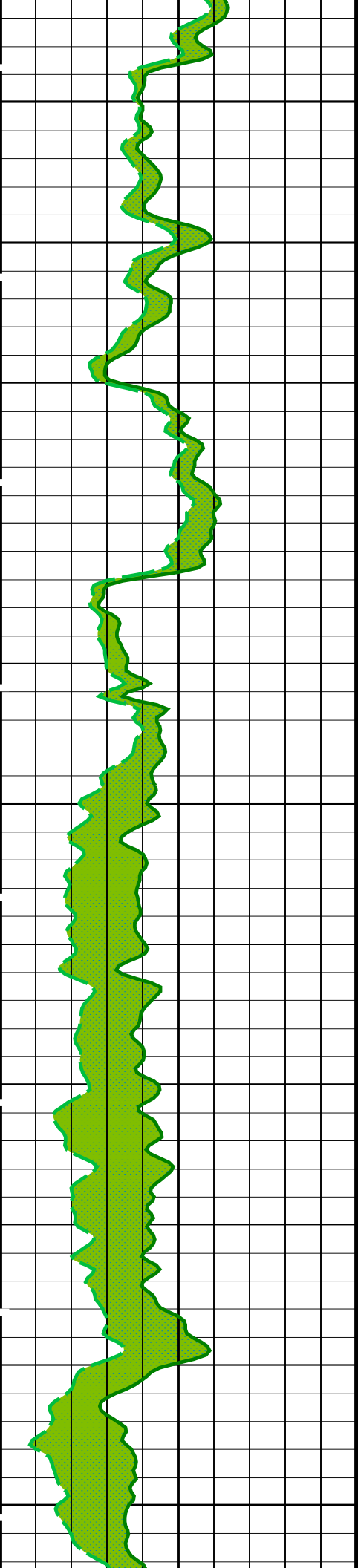








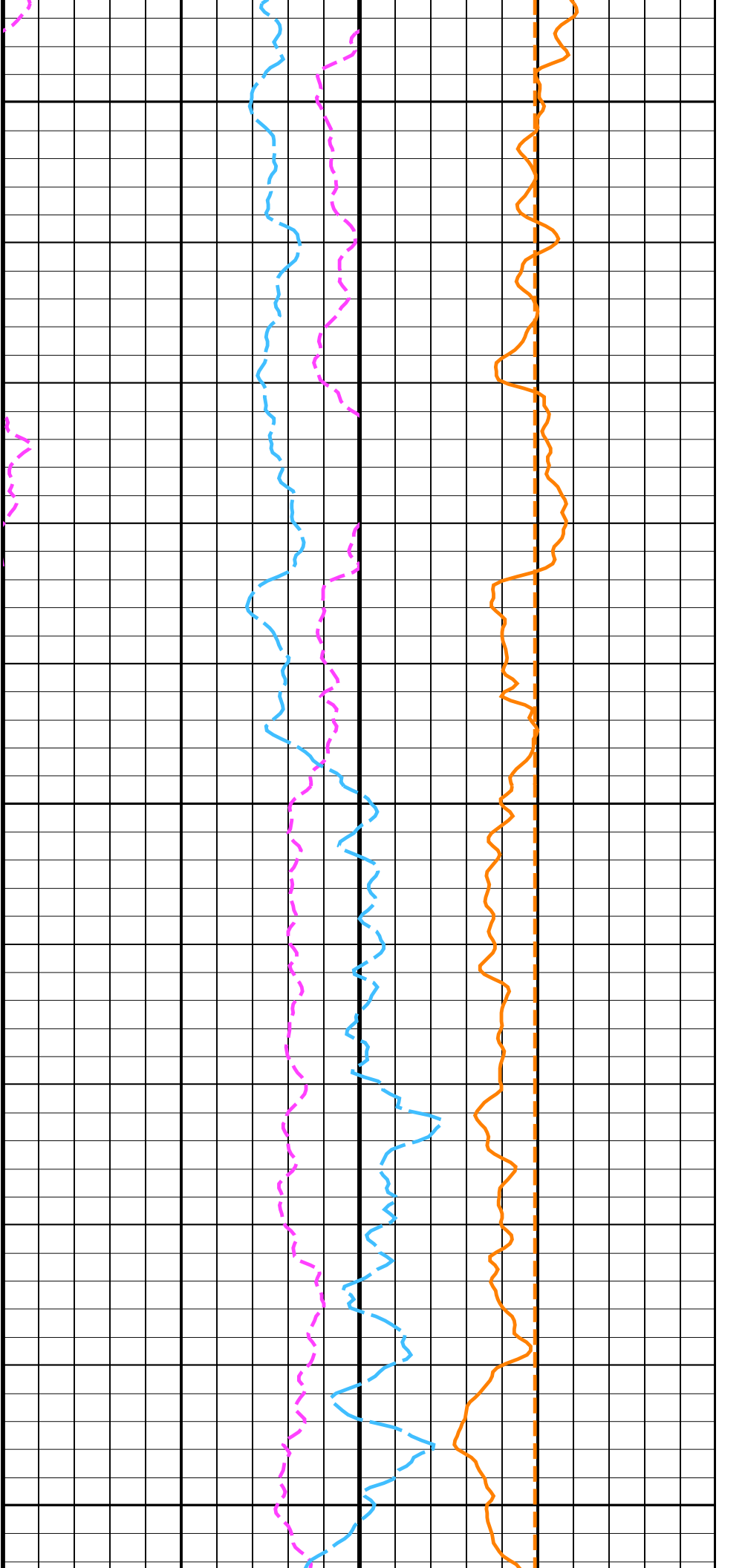


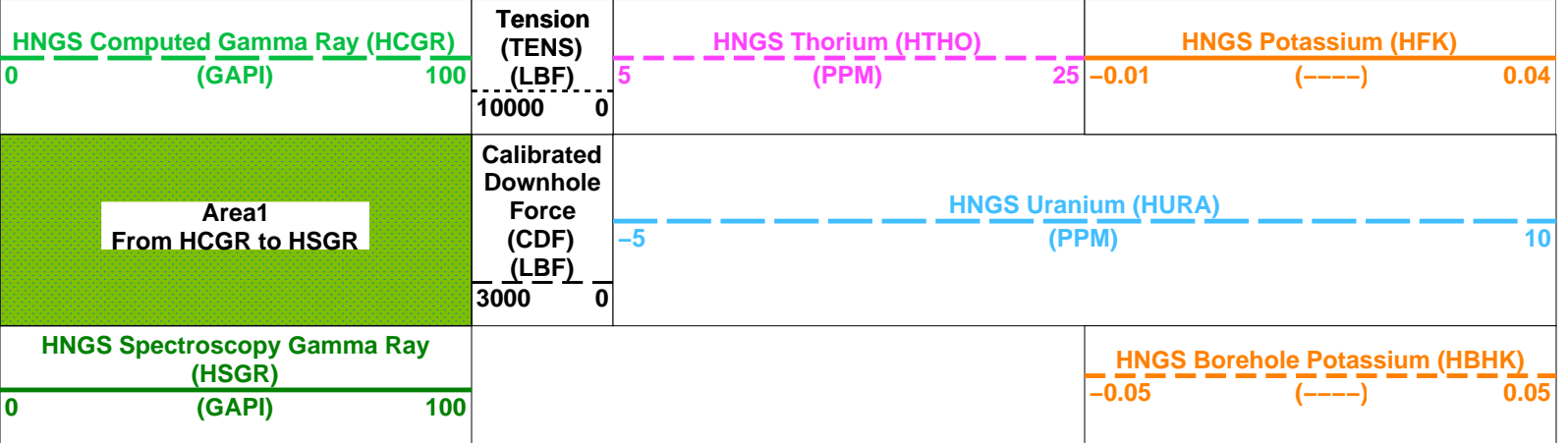
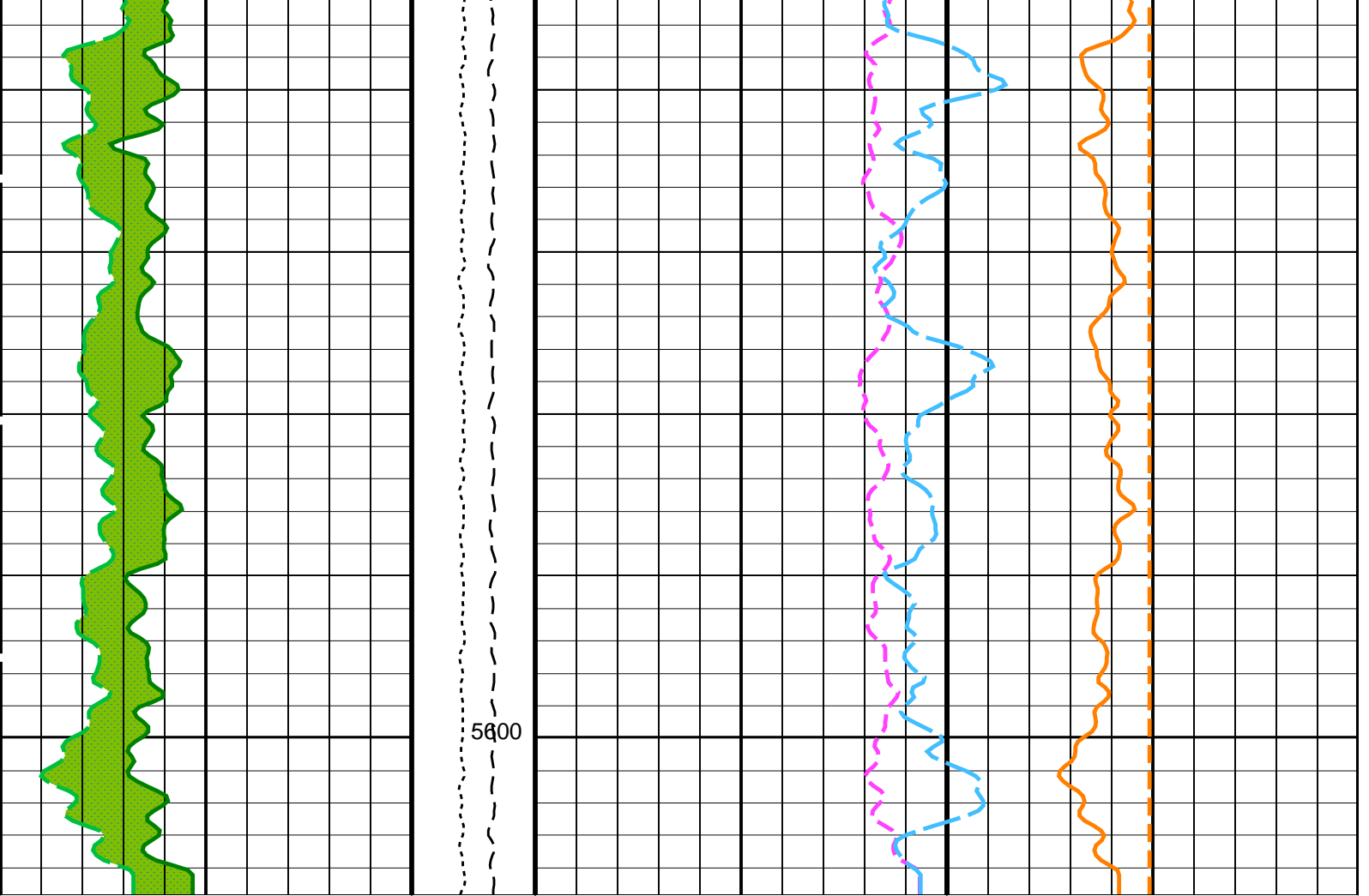


5525

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PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
APS-C: Accelerator-Porosity Tool		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
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	BS
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW

HABK	HNGS Borehole Potassium Running Average	-0.00268656	
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	0.994983	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.98995	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.03	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 05-May-2022 16:25

OP System Version: 19C0-187			
UBI-E	SRPC-5095-H2-2011-OP19	GPIT-A/B	19C0-187
DTA-A	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

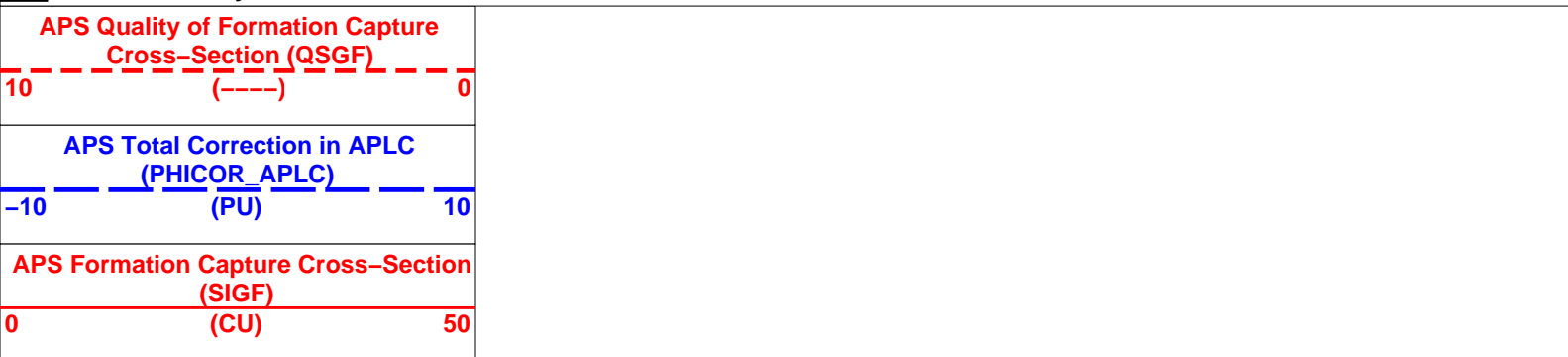
Input DLIS Files					
DEFAULT	Flip_UBI_APS_NGS_050LUP	PRODUCER	05-May-2022 16:24	5604.8 M	4976.6 M
Output DLIS Files					
DEFAULT	UBI_APS_NGS_051PUP	FN:56	PRODUCER	05-May-2022 16:25	
RTB	UBI_APS_NGS_051PUP	FN:57	PRODUCER	05-May-2022 16:25	

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

Input DLIS Files					
DEFAULT	Flip_UBI_APS_NGS_050LUP	PRODUCER	05-May-2022 16:24	5604.8 M	4976.6 M
Output DLIS Files					
DEFAULT	UBI_APS_NGS_051PUP	FN:56	PRODUCER	05-May-2022 16:25	5604.8 M 4976.6 M
RTB	UBI_APS_NGS_051PUP	FN:57	PRODUCER	05-May-2022 16:25	5604.8 M 4976.6 M

OP System Version: 19C0-187			
UBI-E	SRPC-5095-H2-2011-OP19	GPIT-A/B	19C0-187
DTA-A	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

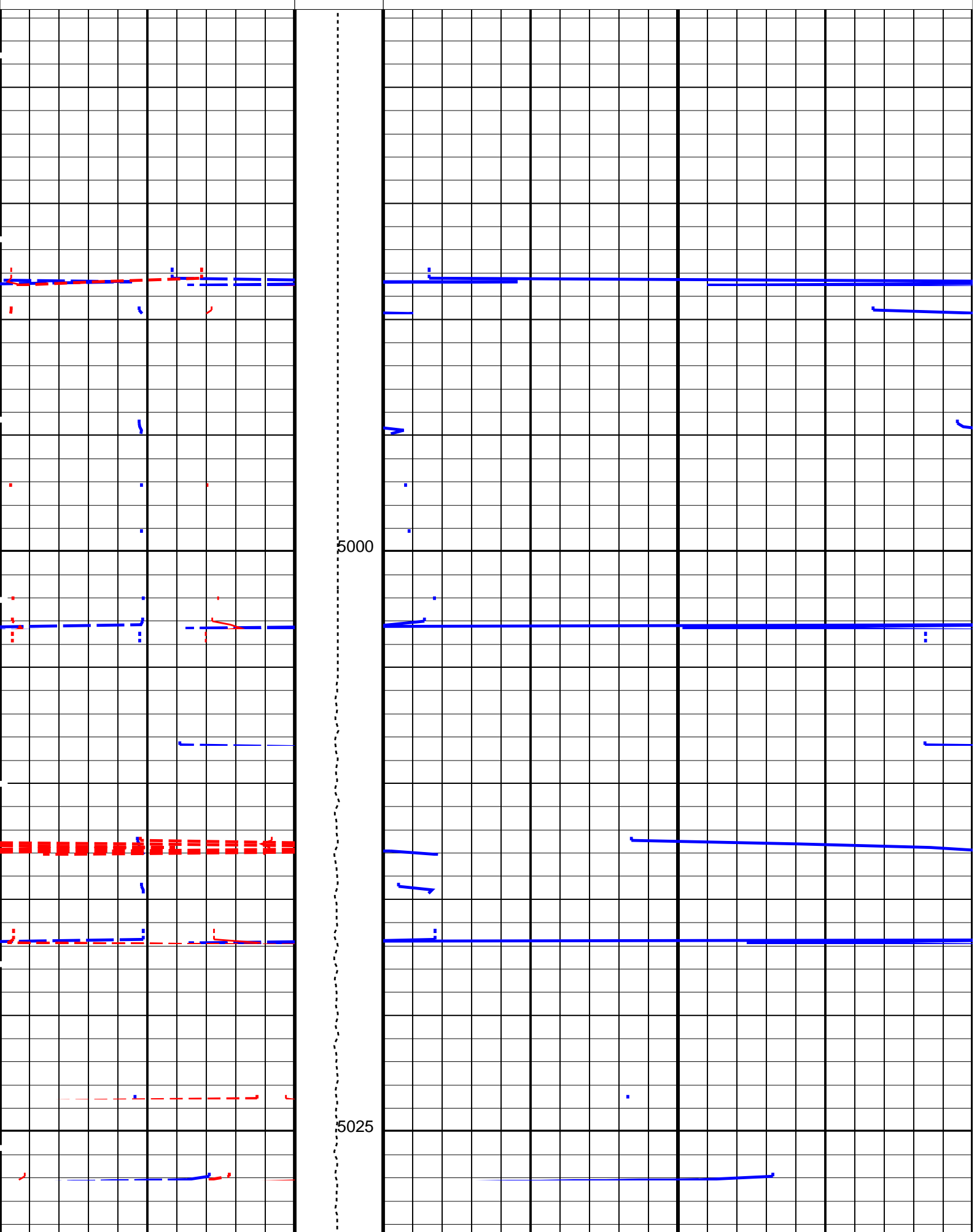


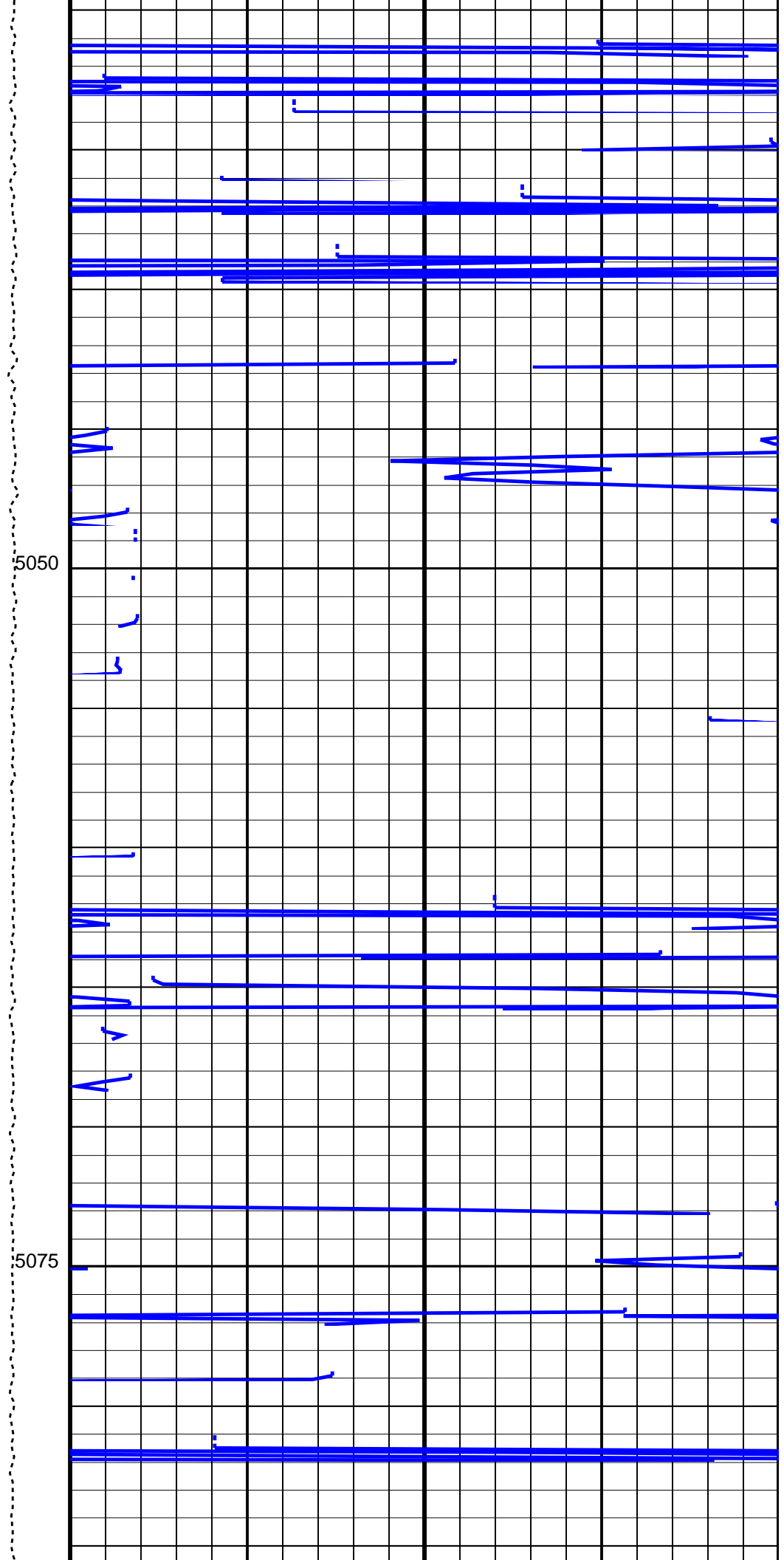
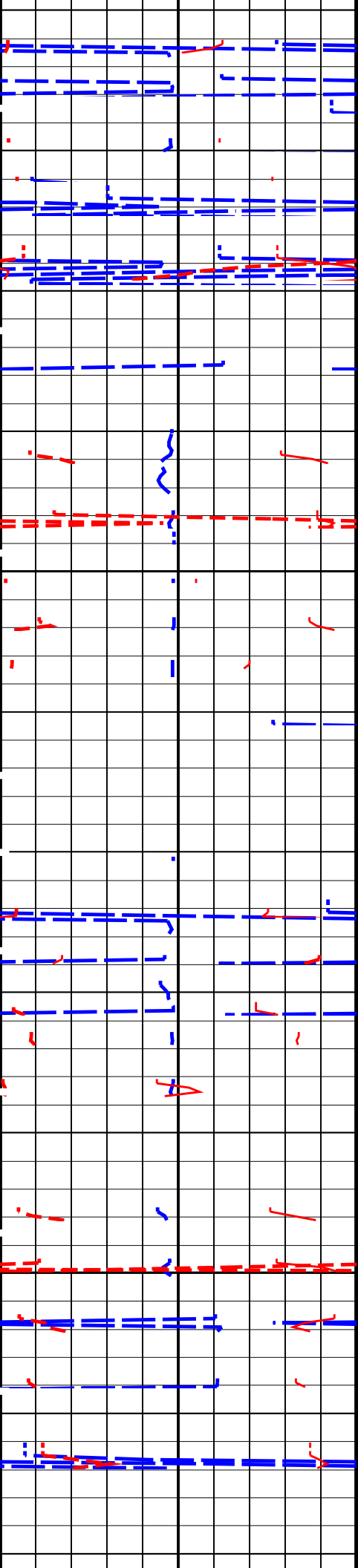
Tension

APS Porosity Quality (QSDP)
10 (----) 0

(TENS)
(LBF)
10000 0

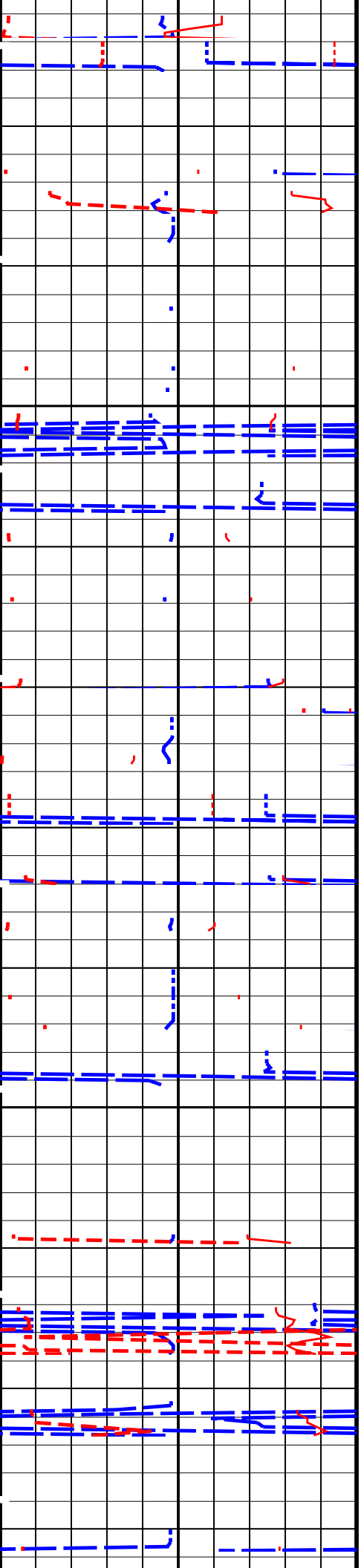
APS Near/Array Corrected Limestone Porosity (APLC)
60 (PU) 0





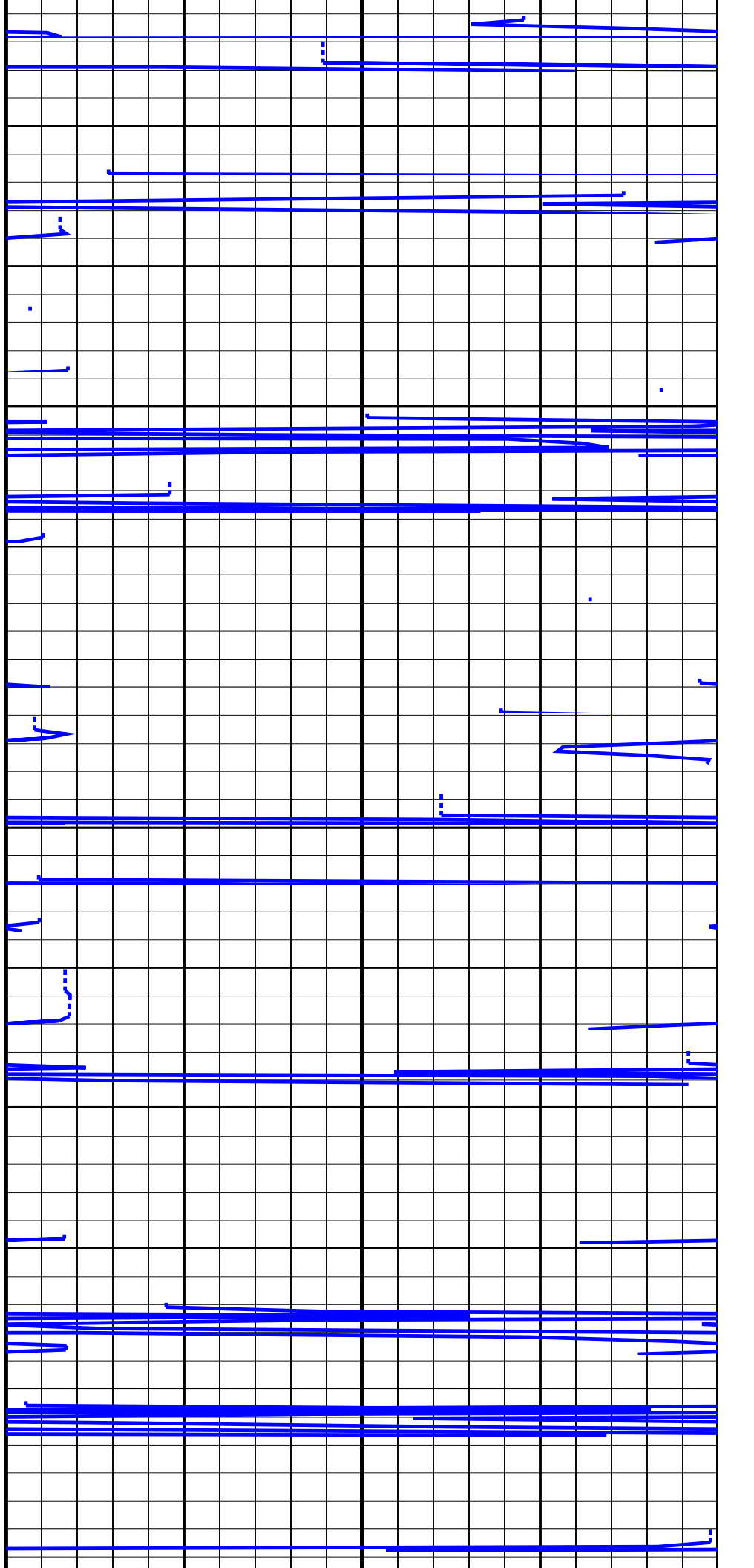
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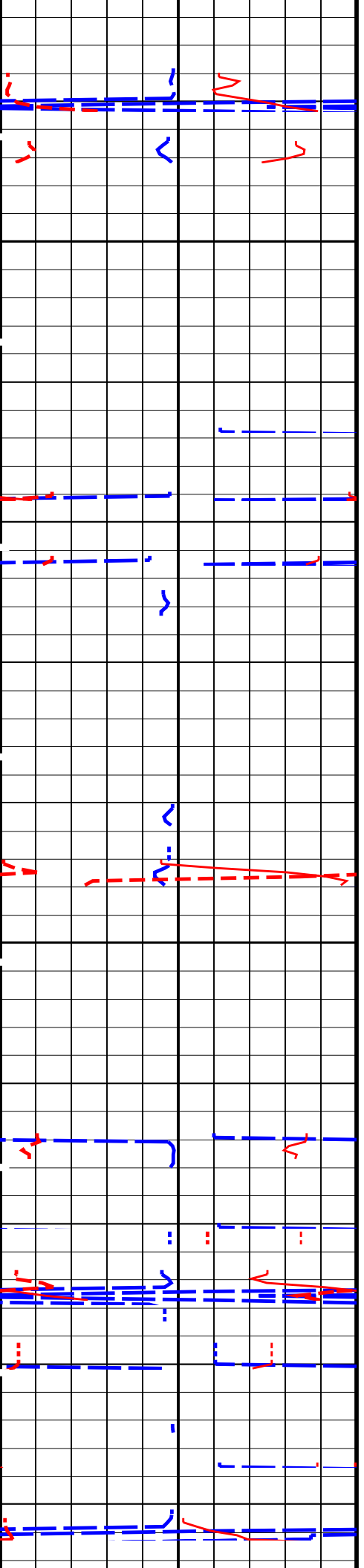
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5100

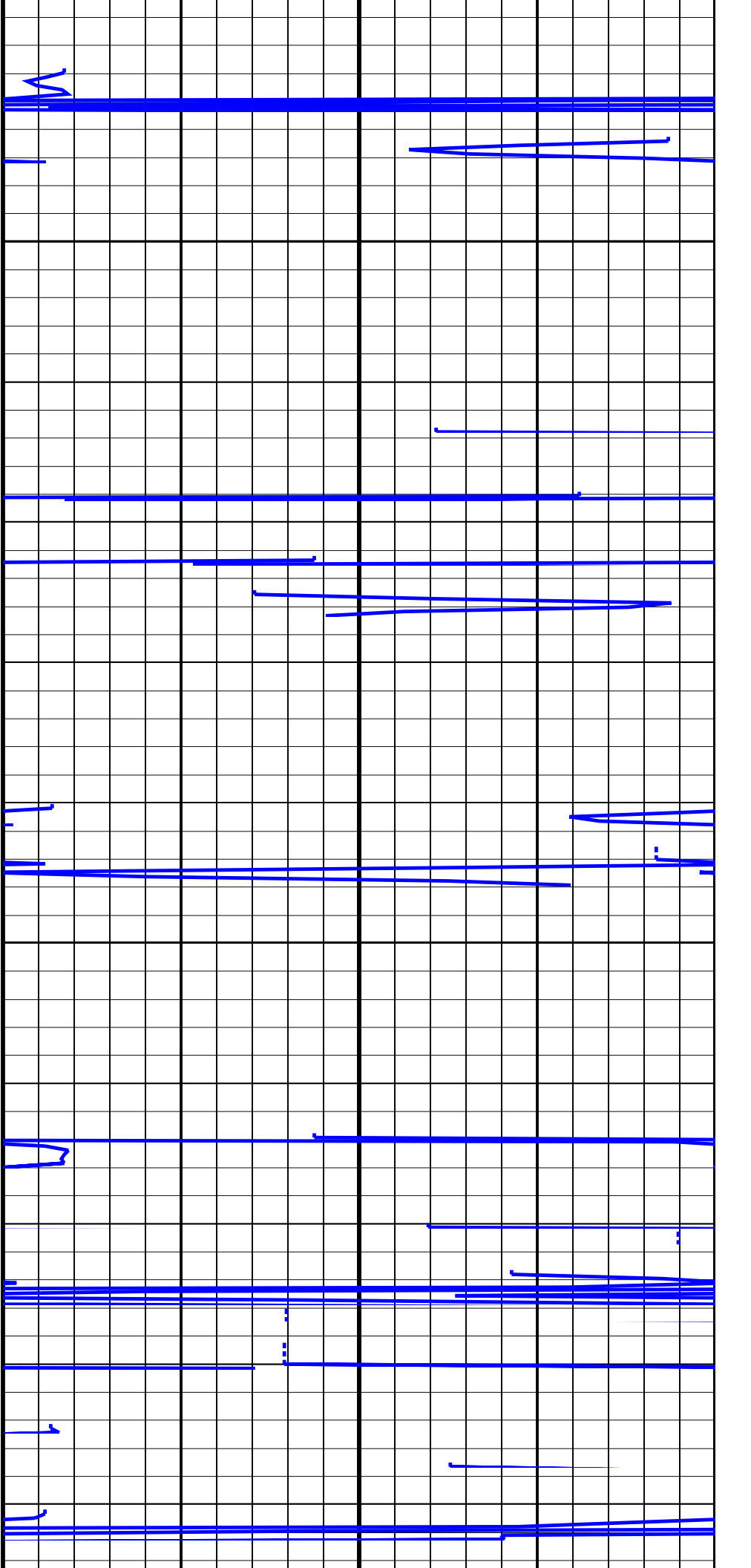
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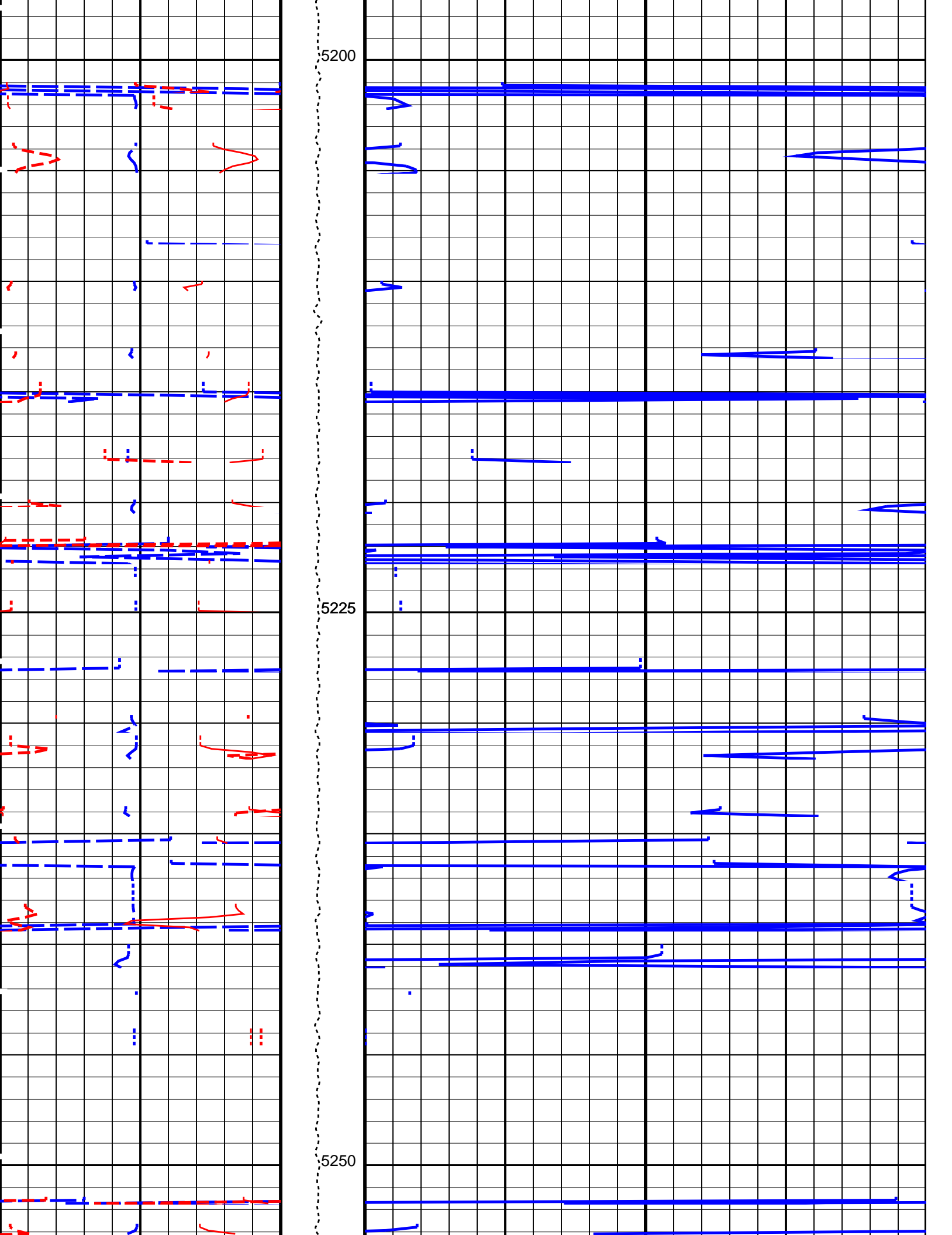


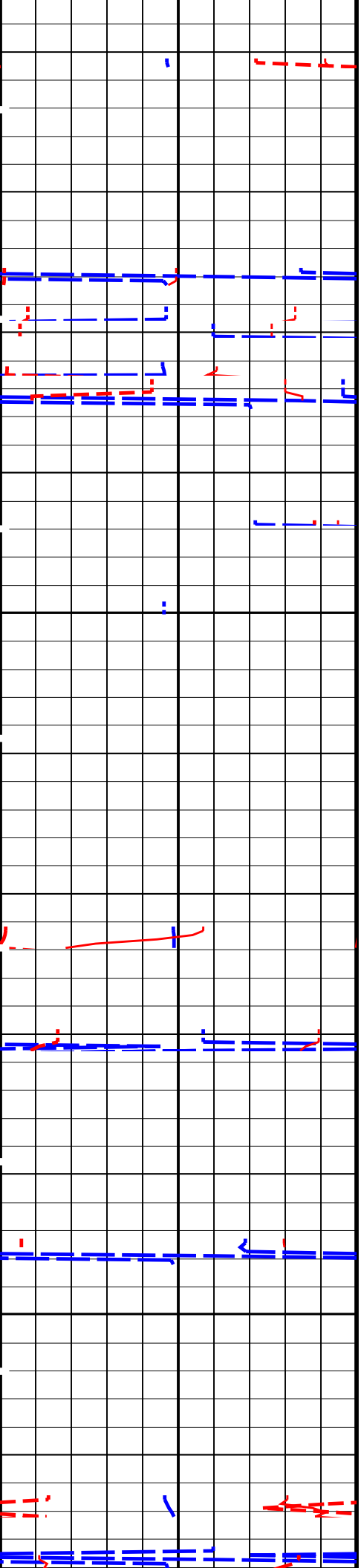


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5175

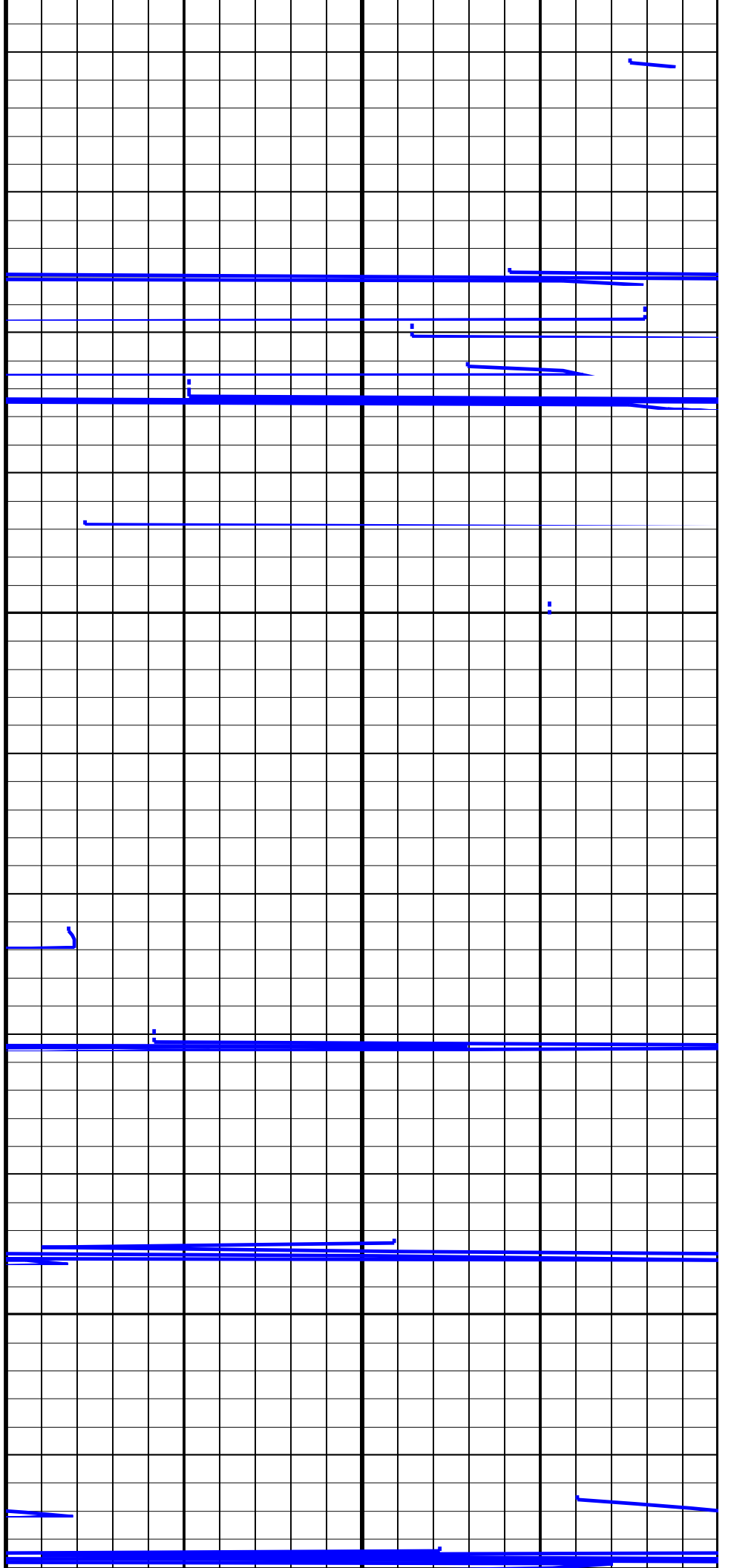


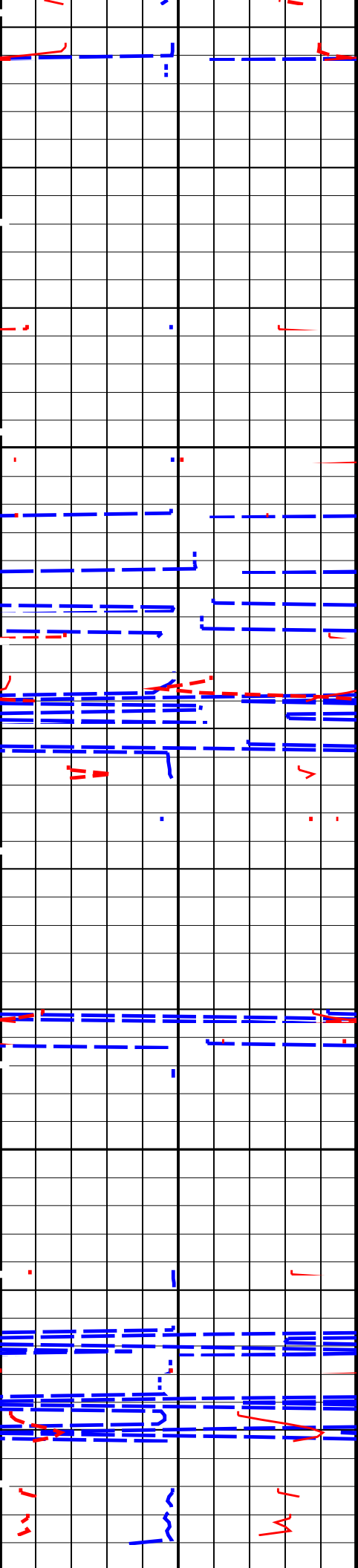




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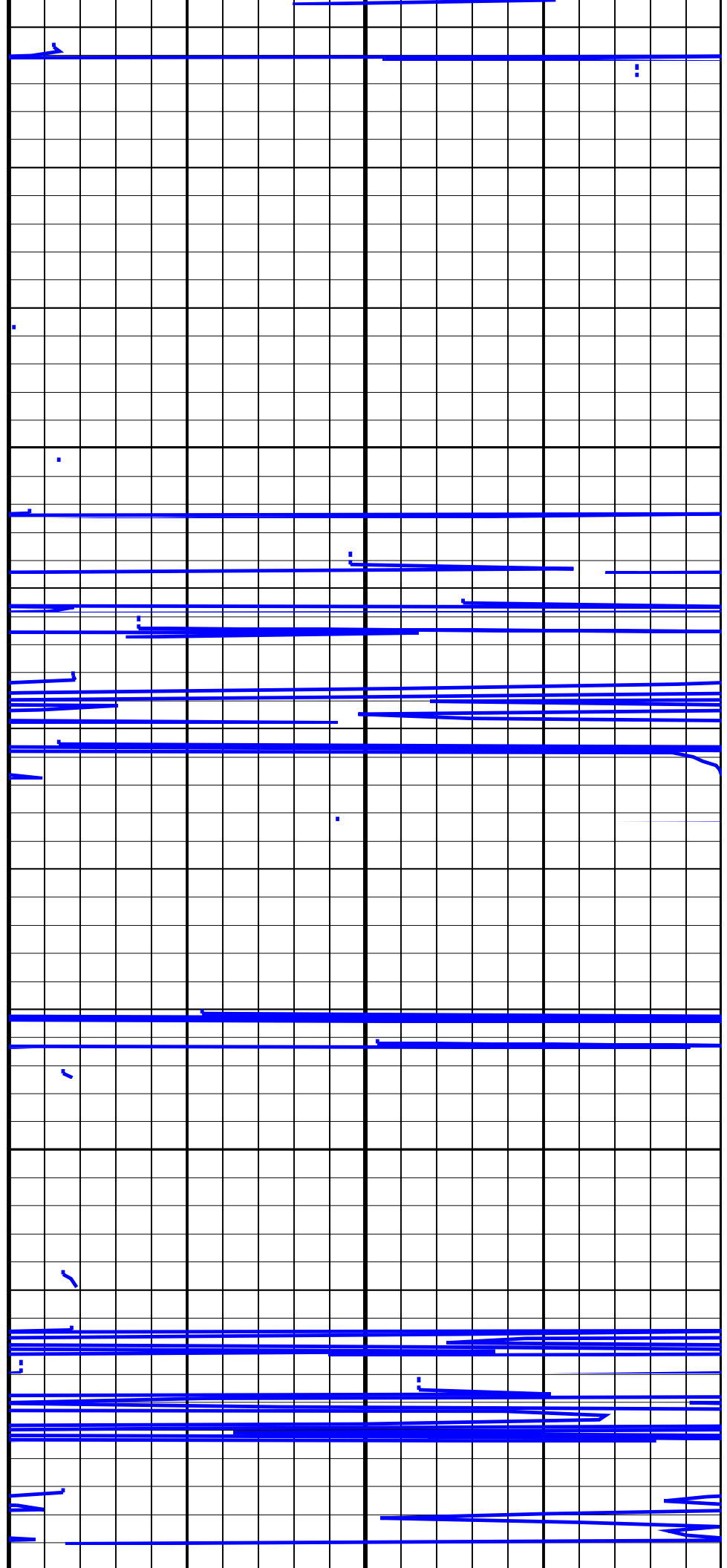
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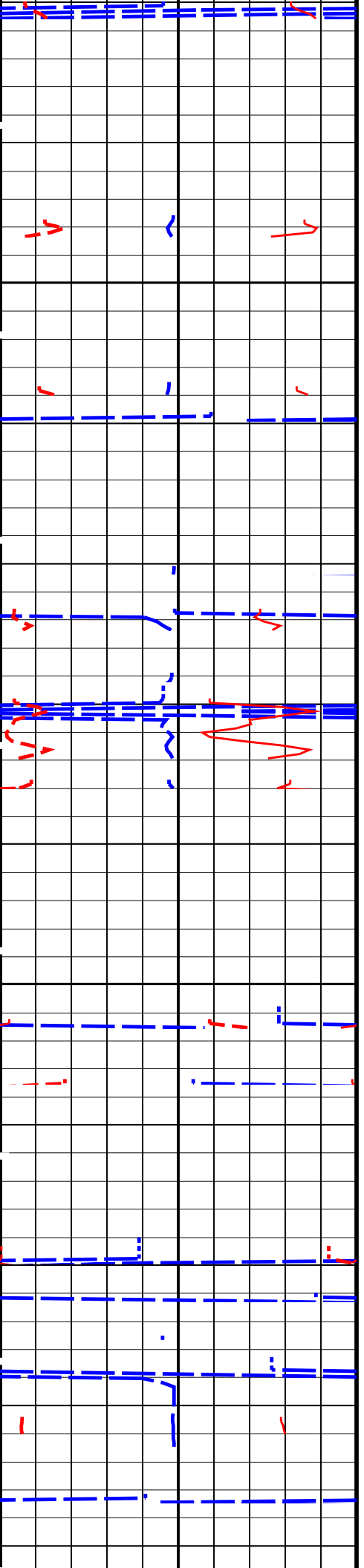




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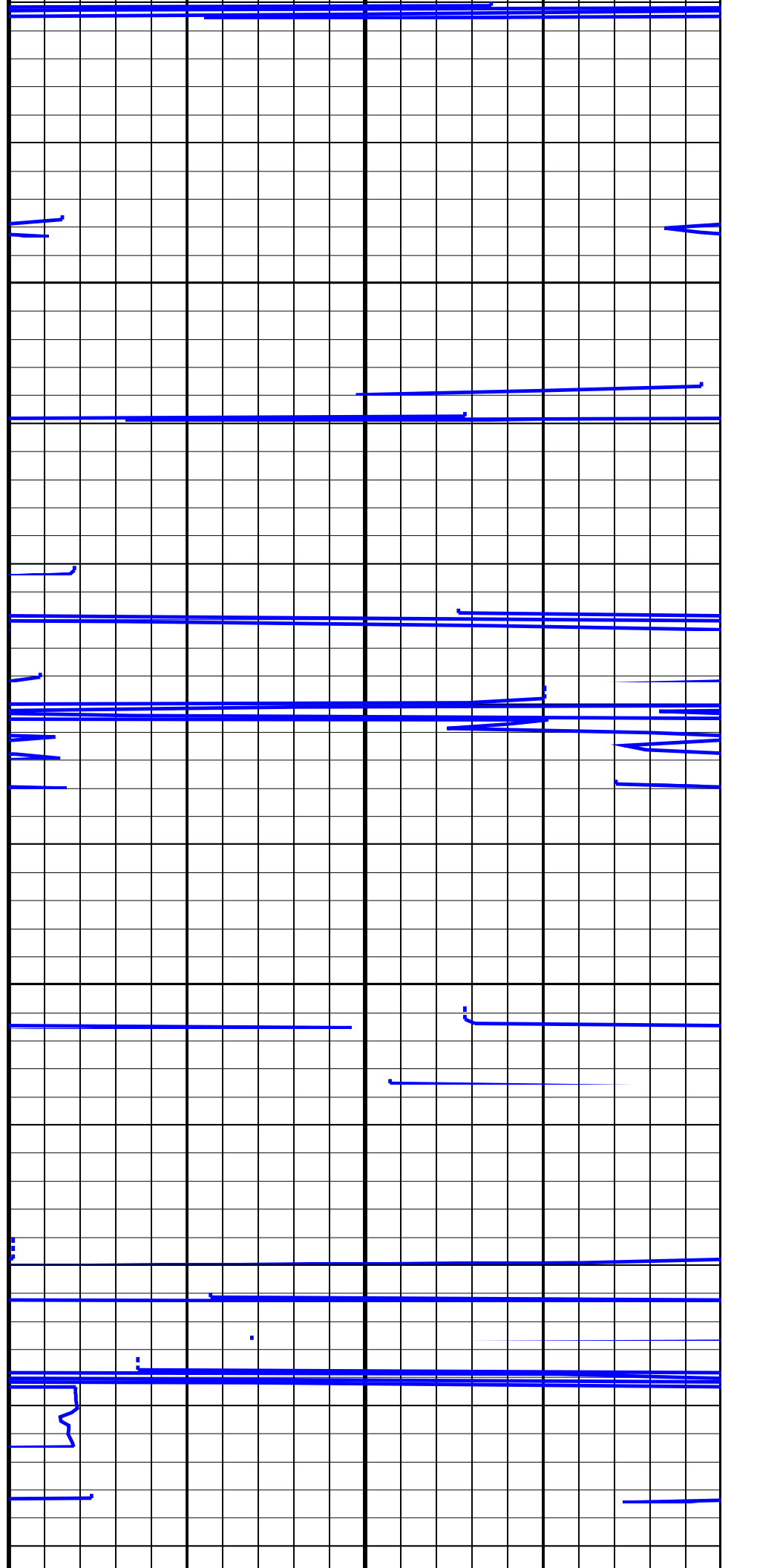
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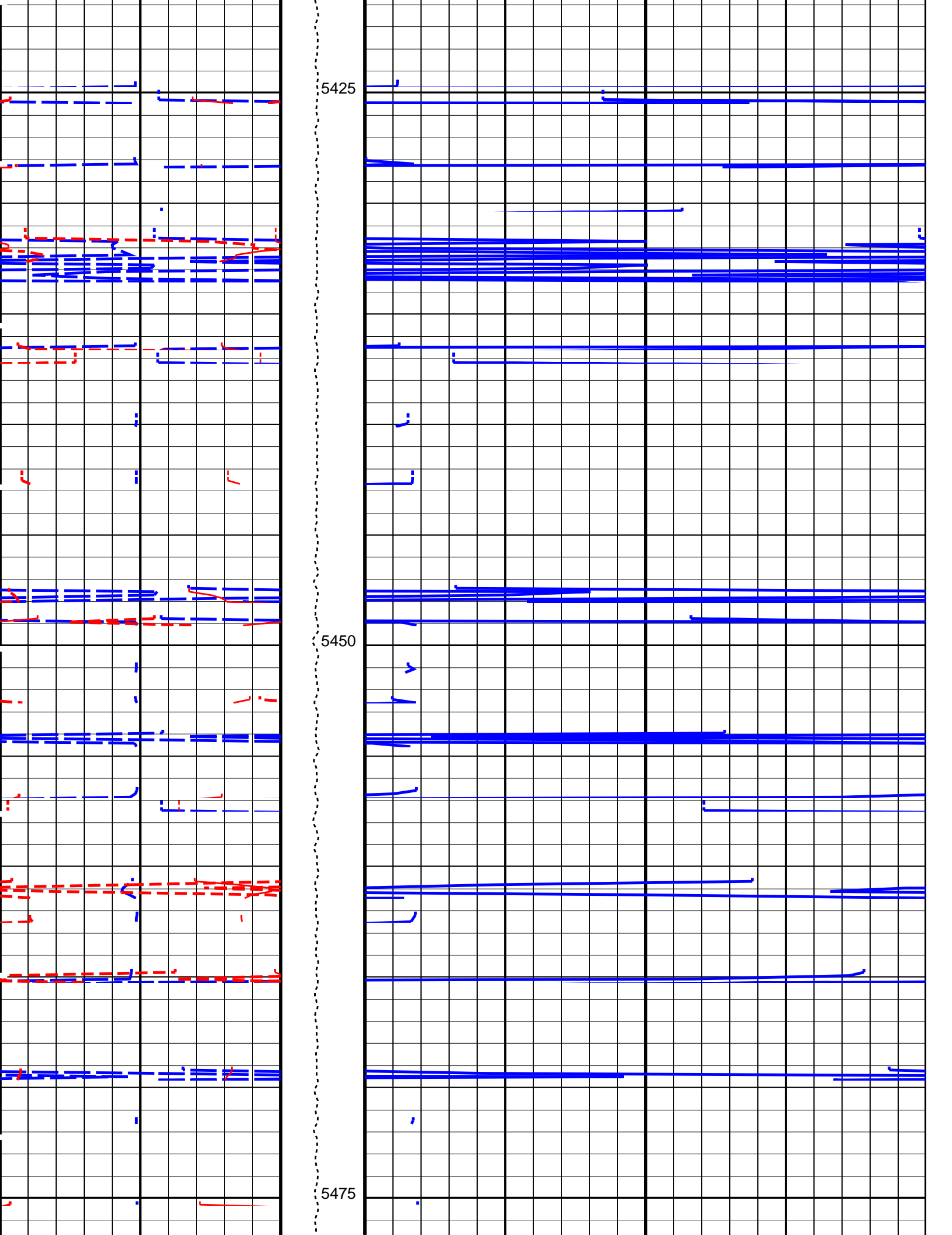


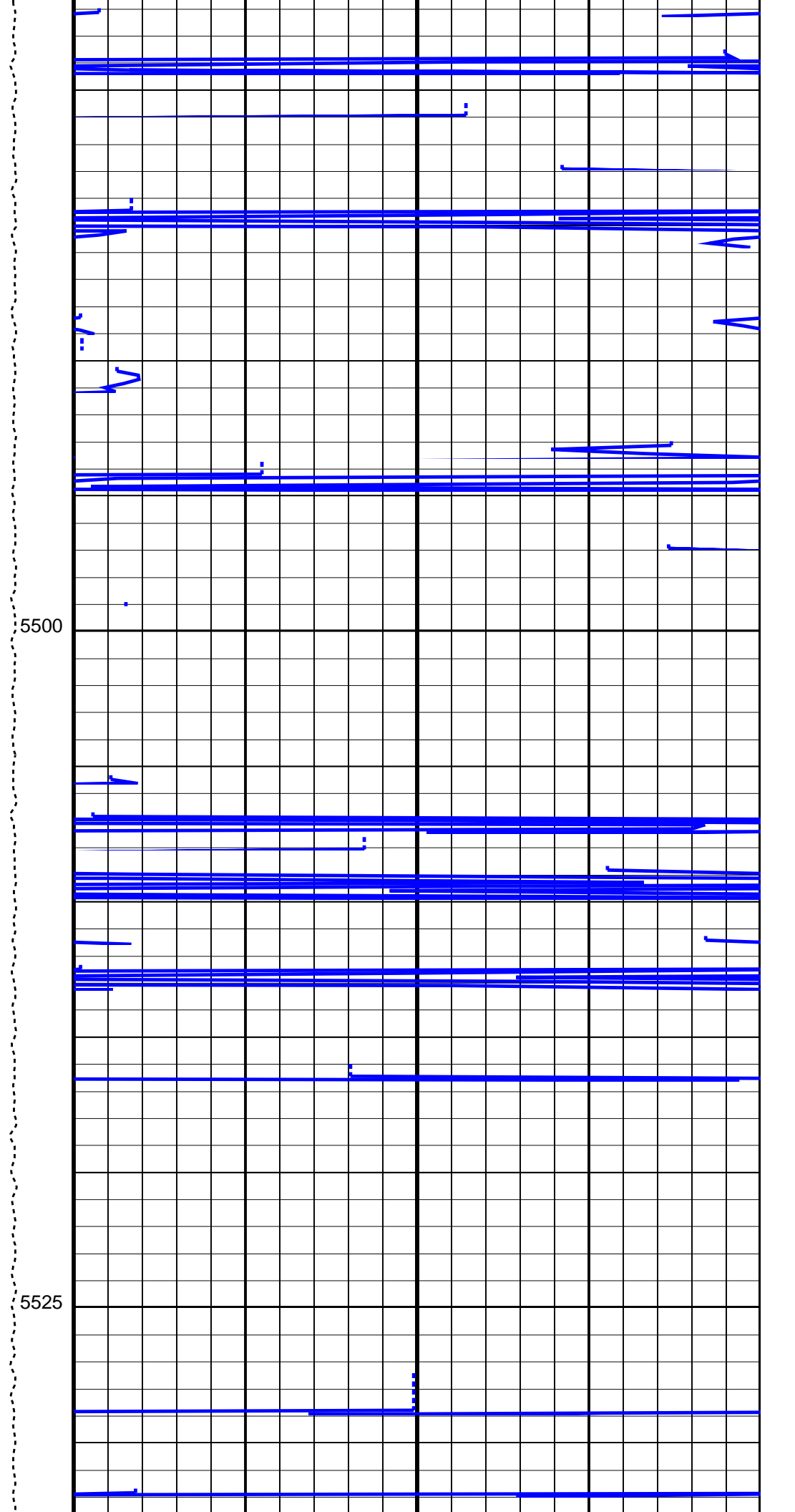
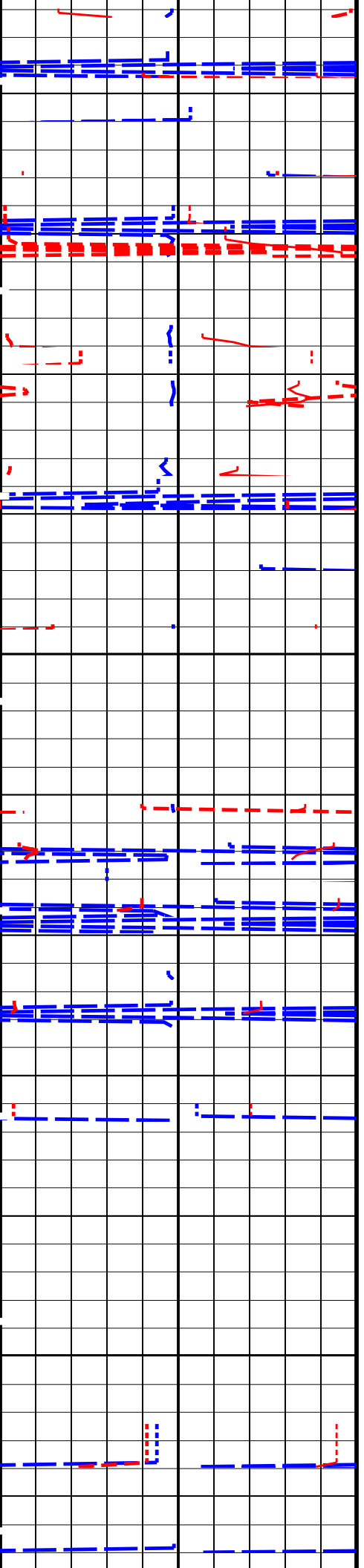


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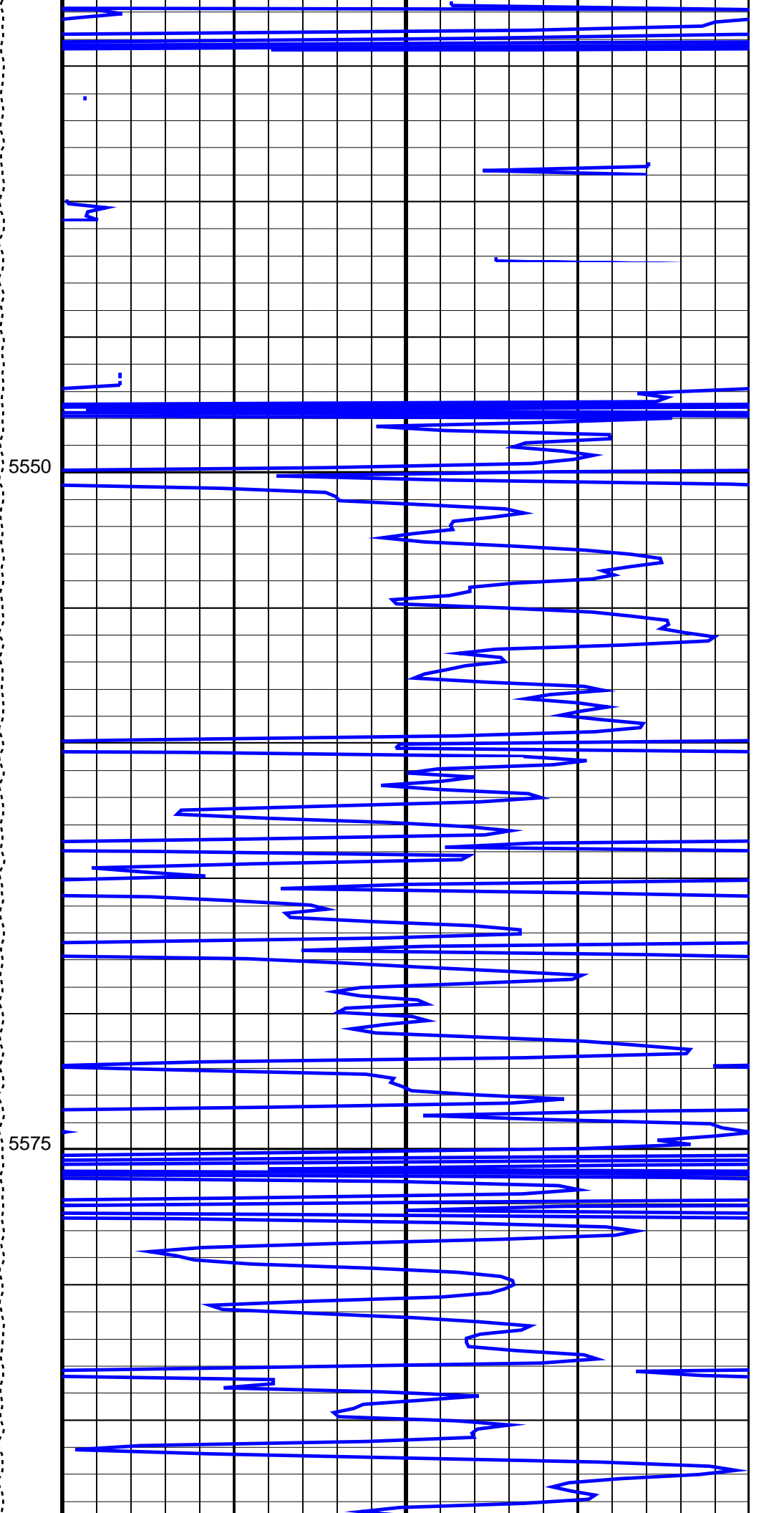
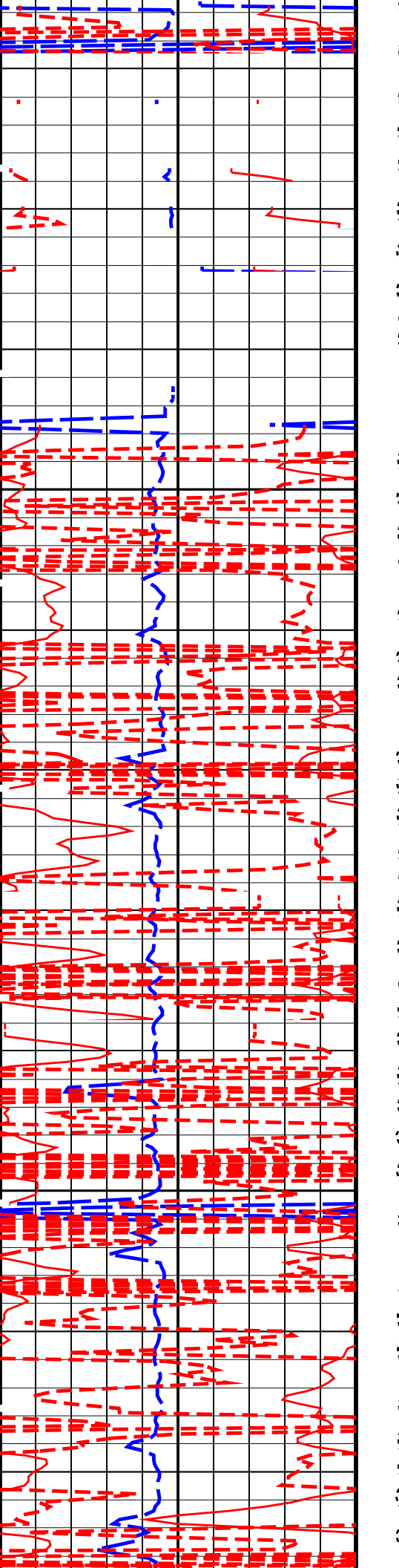






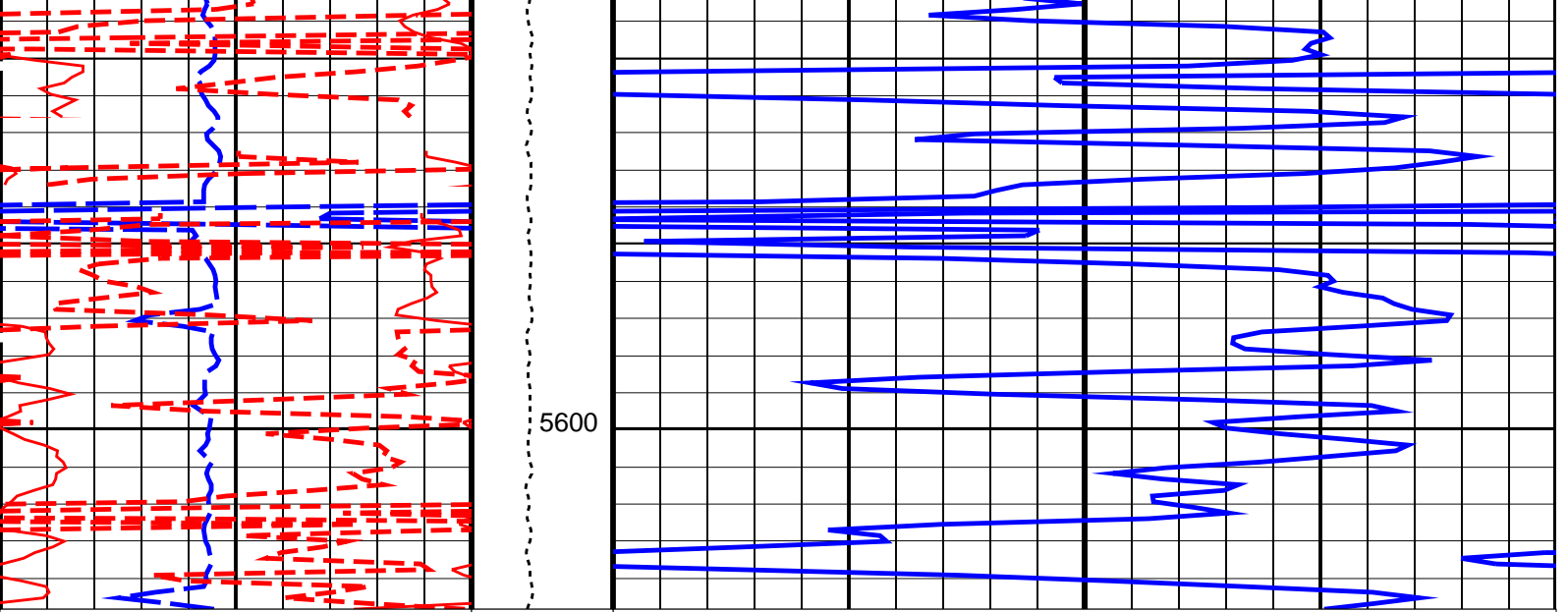
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APS Porosity Quality (QSDP) 10 (----) 0	Tension (TENS) (LBF) 10000 0	APS Near/Array Corrected Limestone Porosity (APLC) 60 (PU) 0
APS Formation Capture Cross-Section (SIGF) 0 (CU) 50		
APS Total Correction in APLC (PHICOR_APLC) -10 (PU) 10		
APS Quality of Formation Capture Cross-Section (QSGF) 10 (----) 0		

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
UBI-E: Ultrasonic Borehole Imager - E			
	UBI Tool Working Mode for FPM	UBIC_FW500_140_RAW	
	UBI Tool Working Mode for Measurement	UBI7_SW500_180_1	
	Vertical Resolution	IN: 1.0	
	Default Fluid Velocity	203	US/F
APS-C: Accelerator-Porosity Tool			
	APS Software Version	5	
AASD	APS Thermal and Array Detectors High Voltage Setting	1976.24	V
ADSO	APS Array Detectors Data Source Switch	Both	
AFSD	APS Far Detector High Voltage Setting	2067.55	V
AHCS	APS Holesize Correction Source	GCSE	
AHSS	APS Holesize Correction Switch	ON	
AMTY	APS Environmental Corrections Mud Type	WaterBaseBarite	
ANSO	APS Near Detector High Voltage Setting	1737.8	V
ASOS	APS Standoff Correction Switch	ON	
ATSS	APS Temperature-Pressure-Salinity Correction Switch	ON	
BHFL_APS	APS TNPH Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC
BSCO_APS	APS TNPH Borehole Salinity Correction Option	NO	
DPPM	Density Porosity Processing Mode	HIRS	
DSCO_APS	APS TNPH Density Source Correction Option	MEASURED	
FSAL	Formation Salinity	-50000	PPM
FSCO_APS	APS TNPH Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HSCO_APS	APS TNPH Hole Size Correction Option	YES	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	

MCCO_APS	APS TNPH Mud Cake Correction Option	YES	
MCOR_APS	APS TNPH Mud Correction	NATU	
MWCO_APS	APS TNPH Mud Weight Correction Option	YES	
NARC	APS Near/Array Calibration Ratio	1.08341	
NFRC	APS Near/Far Calibration Ratio	0.942369	
PTCO_APS	APS TNPH Pressure/Temperature Correction Option	NO	
SHT	Surface Hole Temperature	20	DEGC
TNCO_APS	APS TNPH Computation Option	YES	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	20	DEGC
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC
DPPM	Density Porosity Processing Mode	HIRS	
FSAL	Formation Salinity	-50000	PPM
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	20	DEGC
UHSV: UBI Hole Shape Analysis			
	UBI Tool Working Mode for FPM	UBIC_FW500_140_RAW	
	UBI Tool Working Mode for Measurement	UBI7_SW500_180_1	
	Vertical Resolution	IN: 1.0	
	Default Fluid Velocity	203	US/F
System and Miscellaneous			
BS	Bit Size	9.875	IN
BSAL	Borehole Salinity	38000.00	PPM
CSIZ	Current Casing Size	10.750	IN
CWEI	Casing Weight	168.00	LB/F
DFD	Drilling Fluid Density	1.03	G/C3
DO	Depth Offset for Playback	0.0	M
FLEV	Fluid Level	-50000.00	M
MST	Mud Sample Temperature	23.00	DEGC
PP	Playback Processing	NORMAL	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
TD	Total Depth	9345.14	FT

Format: APSLiquidPorosity Vertical Scale: 1:200 Graphics File Created: 05-May-2022 16:25

OP System Version: 19C0-187

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

Input DLIS Files

DEFAULT	Flip_UBI_APS_NGS_050LUP	PRODUCER	05-May-2022 16:24	5604.8 M	4976.6 M
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Output DLIS Files

DEFAULT	UBI_APS_NGS_051PUP	FN:56	PRODUCER	05-May-2022 16:25	
RTB	UBI_APS_NGS_051PUP	FN:57	PRODUCER	05-May-2022 16:25	

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

Input DLIS Files

DEFAULT	Flip_UBI_APS_NGS_050LUP	PRODUCER	05-May-2022 16:24	5604.8 M	4976.6 M
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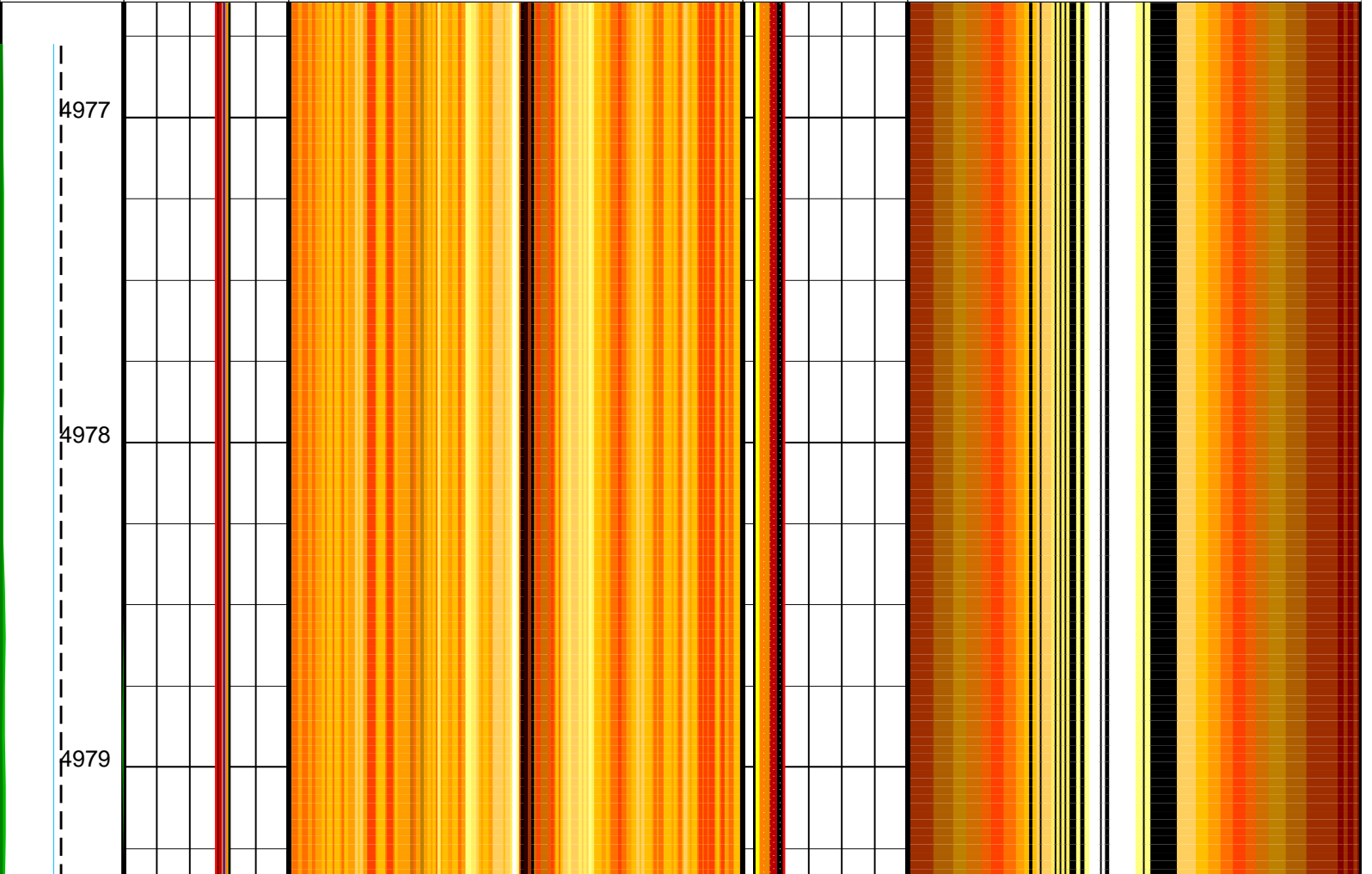
Output DLIS Files

DEFAULT	UBI_APS_NGS_051PUP	FN:56	PRODUCER	05-May-2022 16:25	5604.8 M	4976.6 M
RTB	UBI_APS_NGS_051PUP	FN:57	PRODUCER	05-May-2022 16:25	5604.8 M	4976.6 M

OP System Version: 19C0-187

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

HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 100	HIGH Amplitude (FA75) 0 (DB) 50		Radius max (UTMX) 4 (IN) 8	
Gamma Ray (GR_EDTC) (GAPI) 0 25	MEDIAN of Amplitude (FAED) 0 (DB) 50		Radius min (UTMN) 4 (IN) 8	
Fluid velocity (CFVL) (US/F) 150 250	Maximum of Amplitude (UAMX) 0 (DB) 50		Radius HIGH (FT75) 4 (IN) 8	
Cable Speed (CS) (M/HR) 0 1000	Min. of Amplitude (UAMN) 0 (DB) 50		Radius LOW (FT25) 4 (IN) 8	
Rev. speed (RSV) (RPS) 6 8	LOW Amplitude (FA25) 0 (DB) 50	<p>Corrected Amplitude (AWCN) (DB)</p>	MEDIAN Radius (FTED) 4 (IN) 8	<p>Corrected transit time (TTCN) (US)</p>



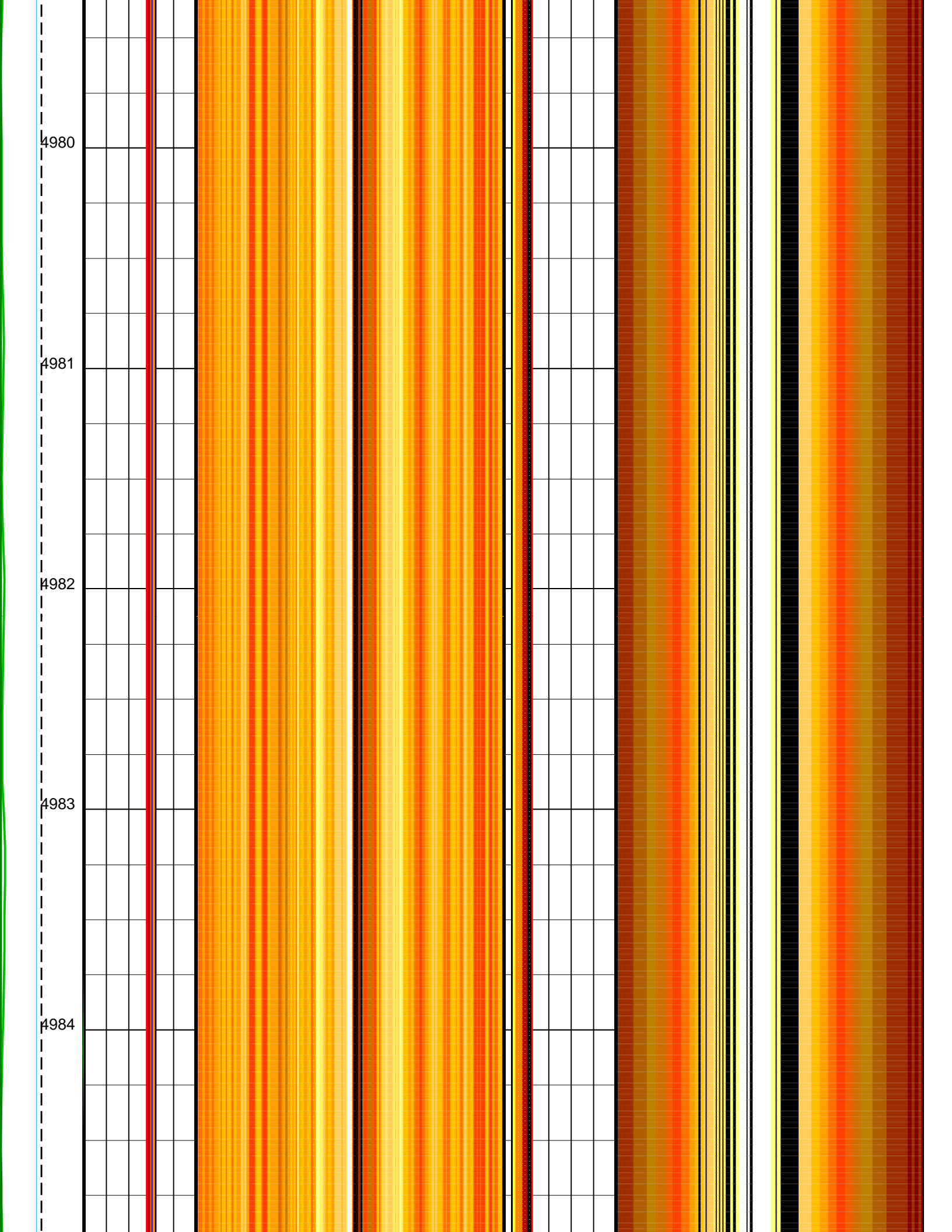
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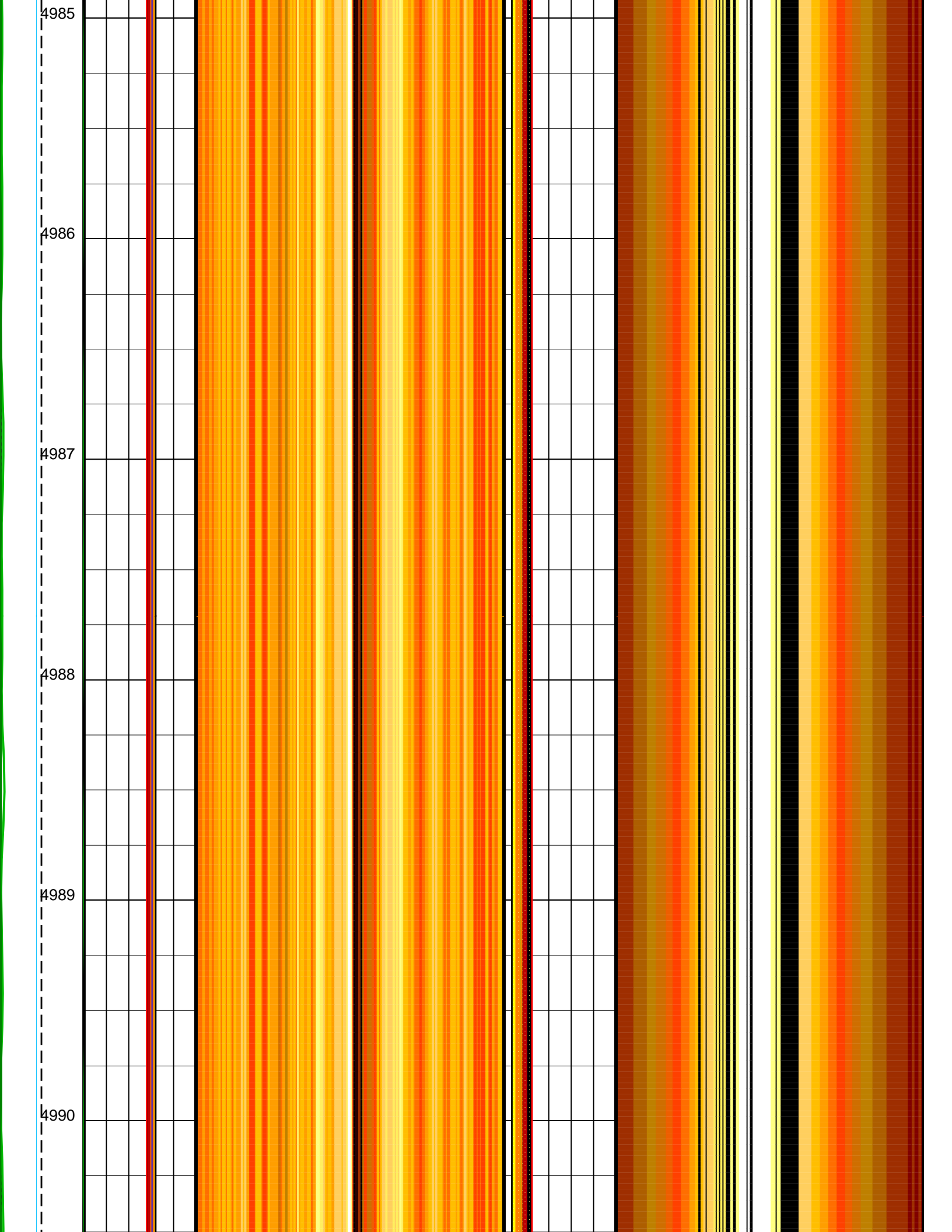
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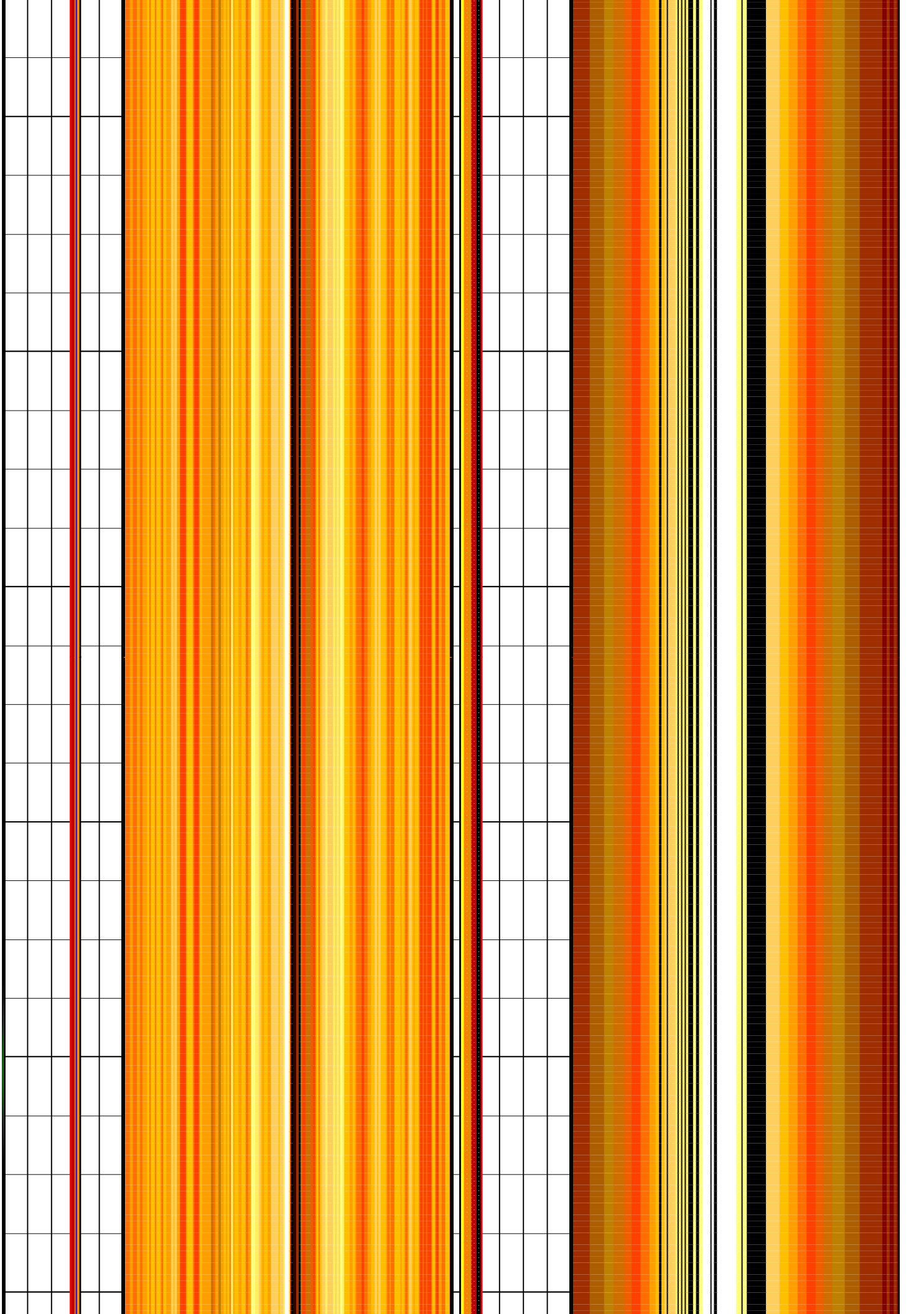
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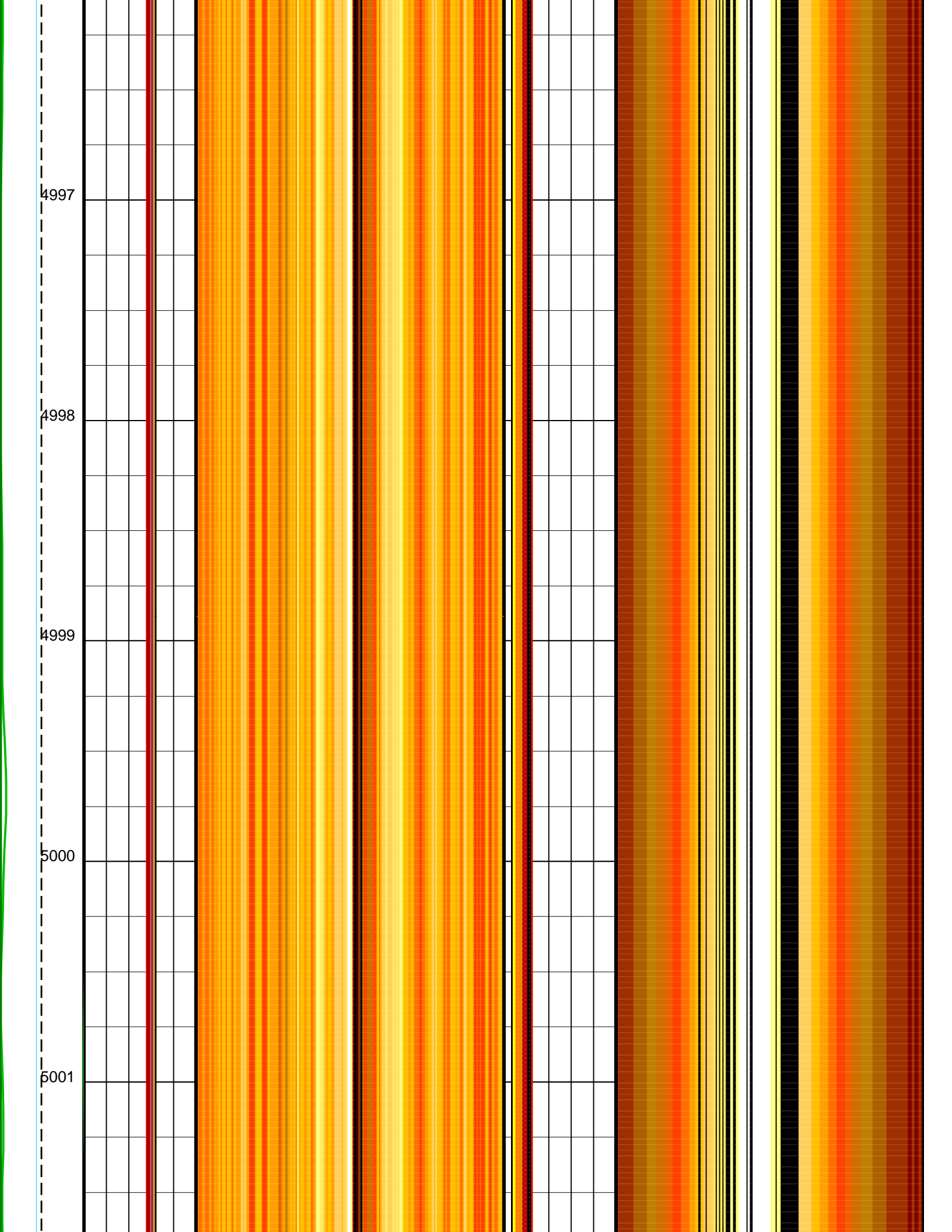
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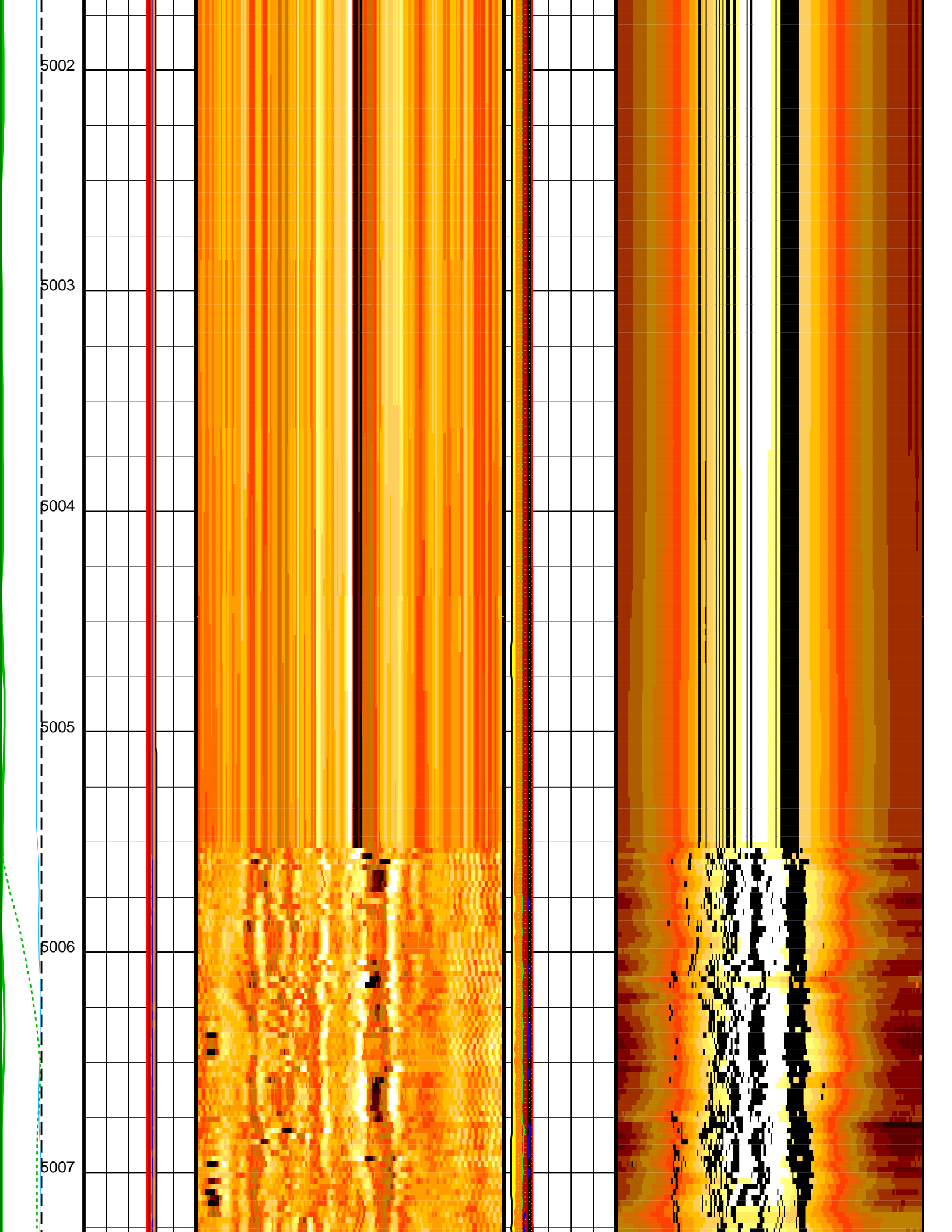
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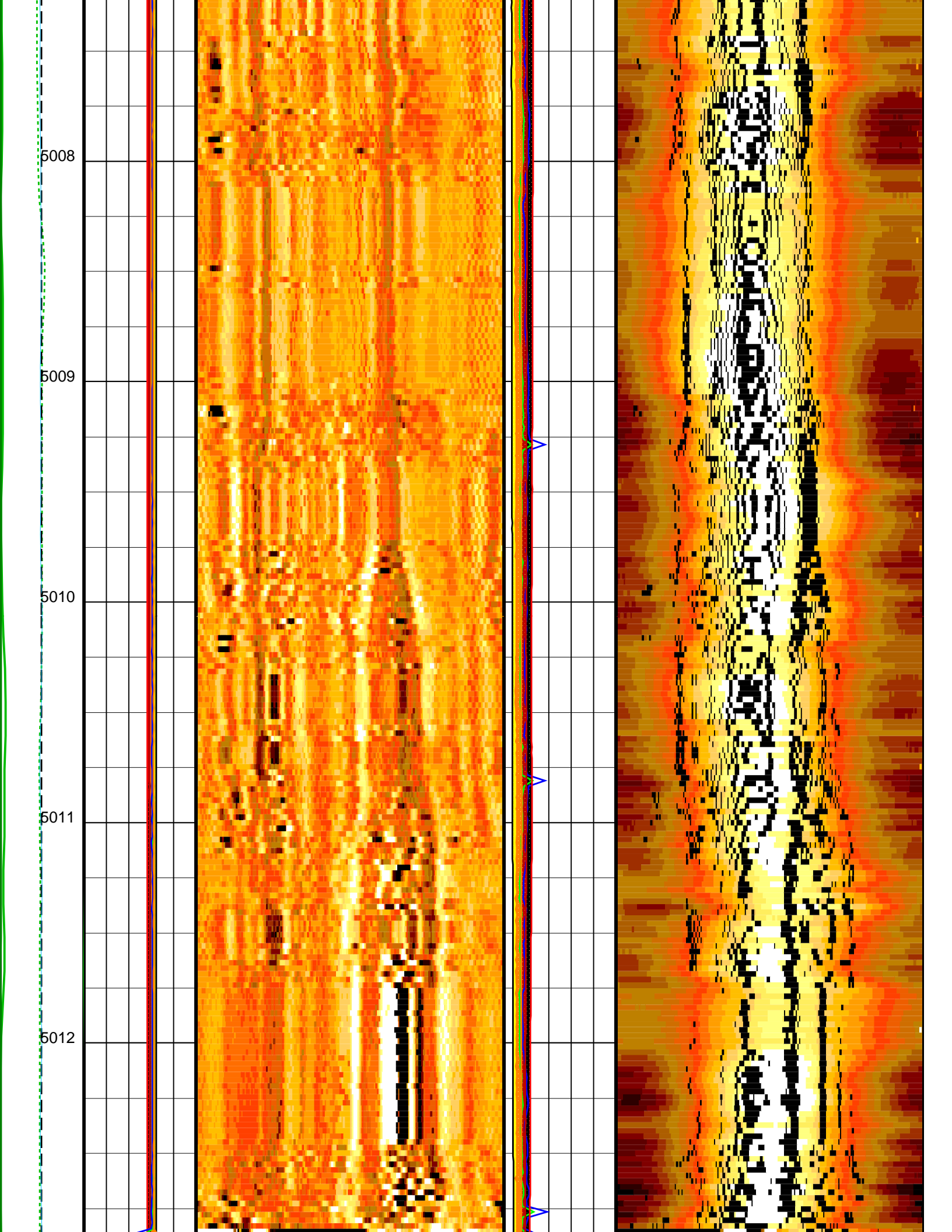
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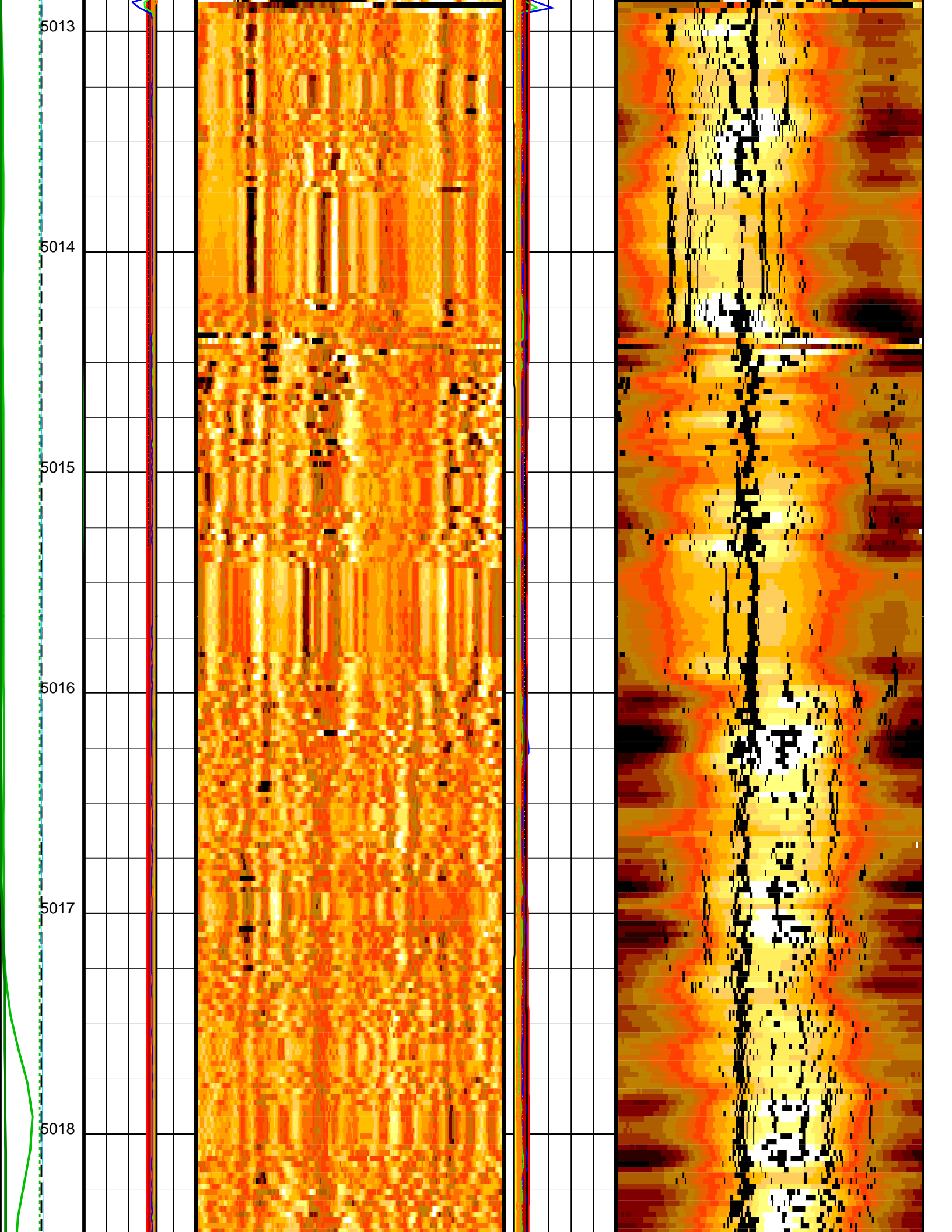
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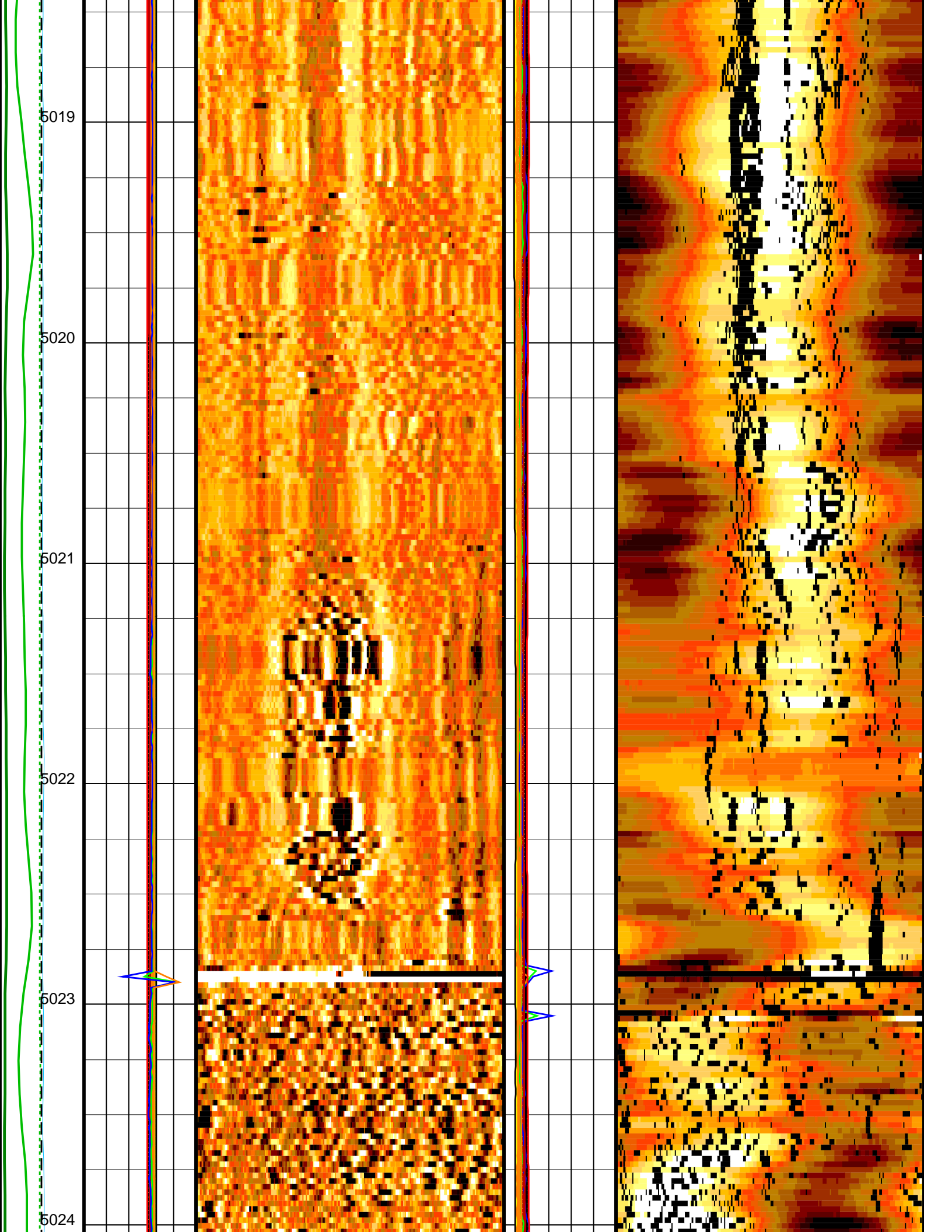
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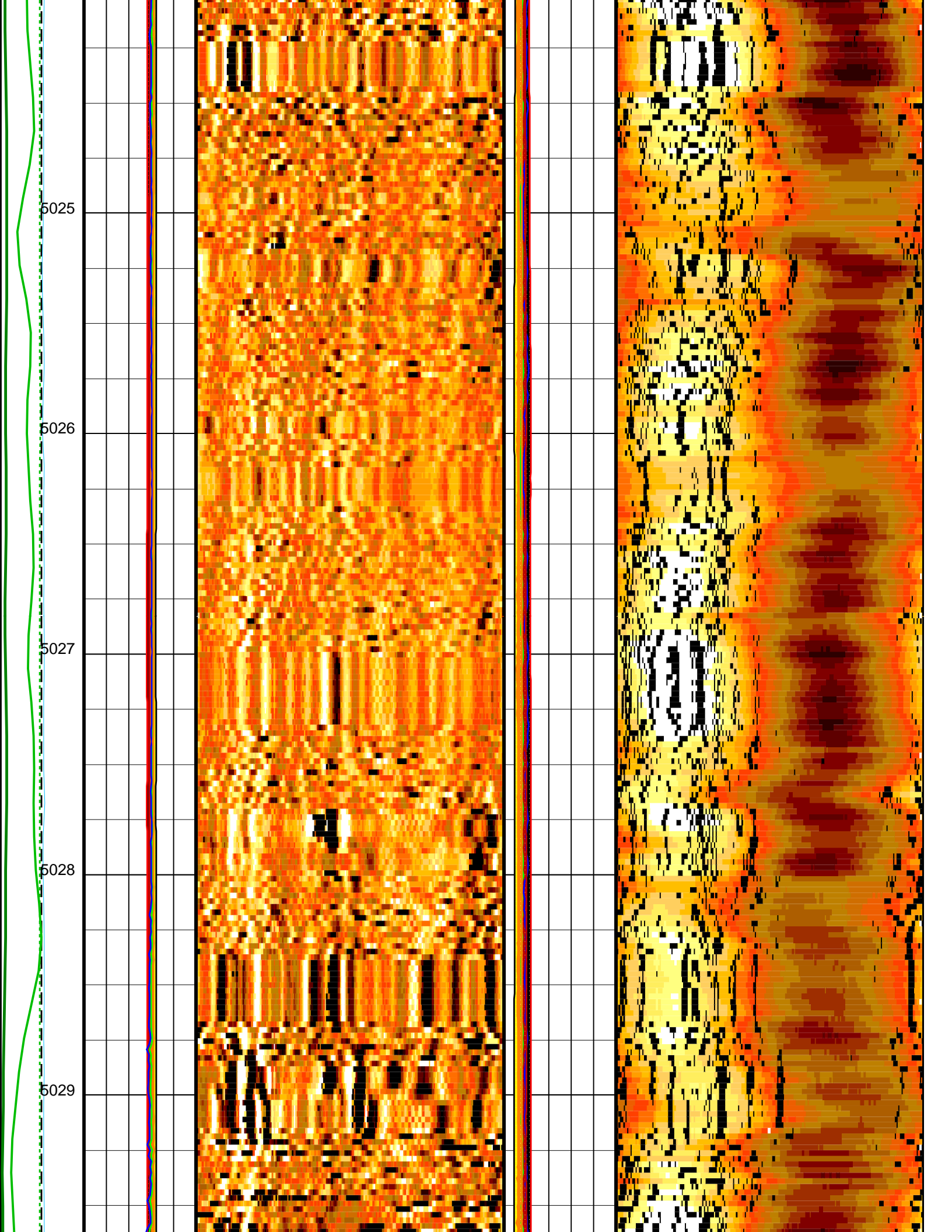
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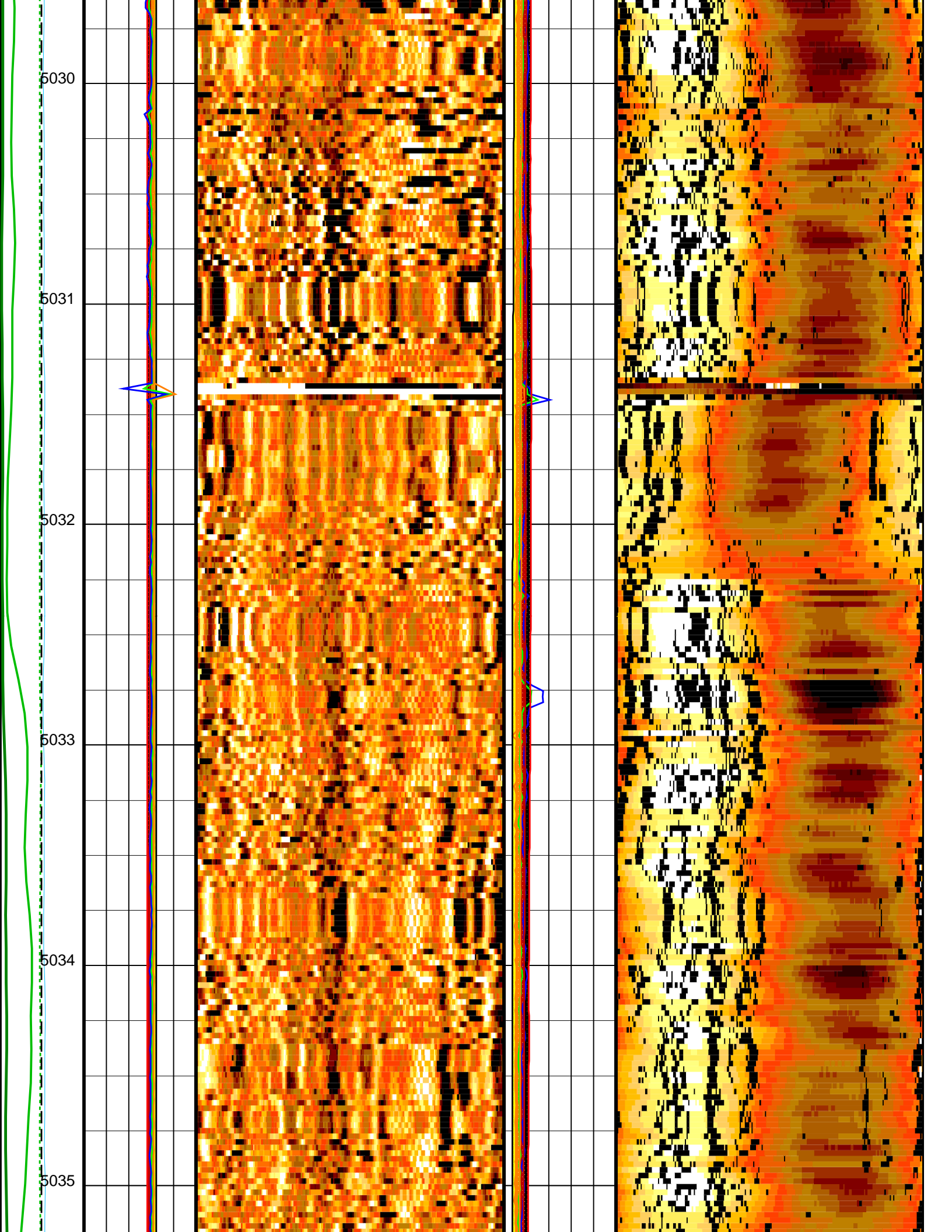
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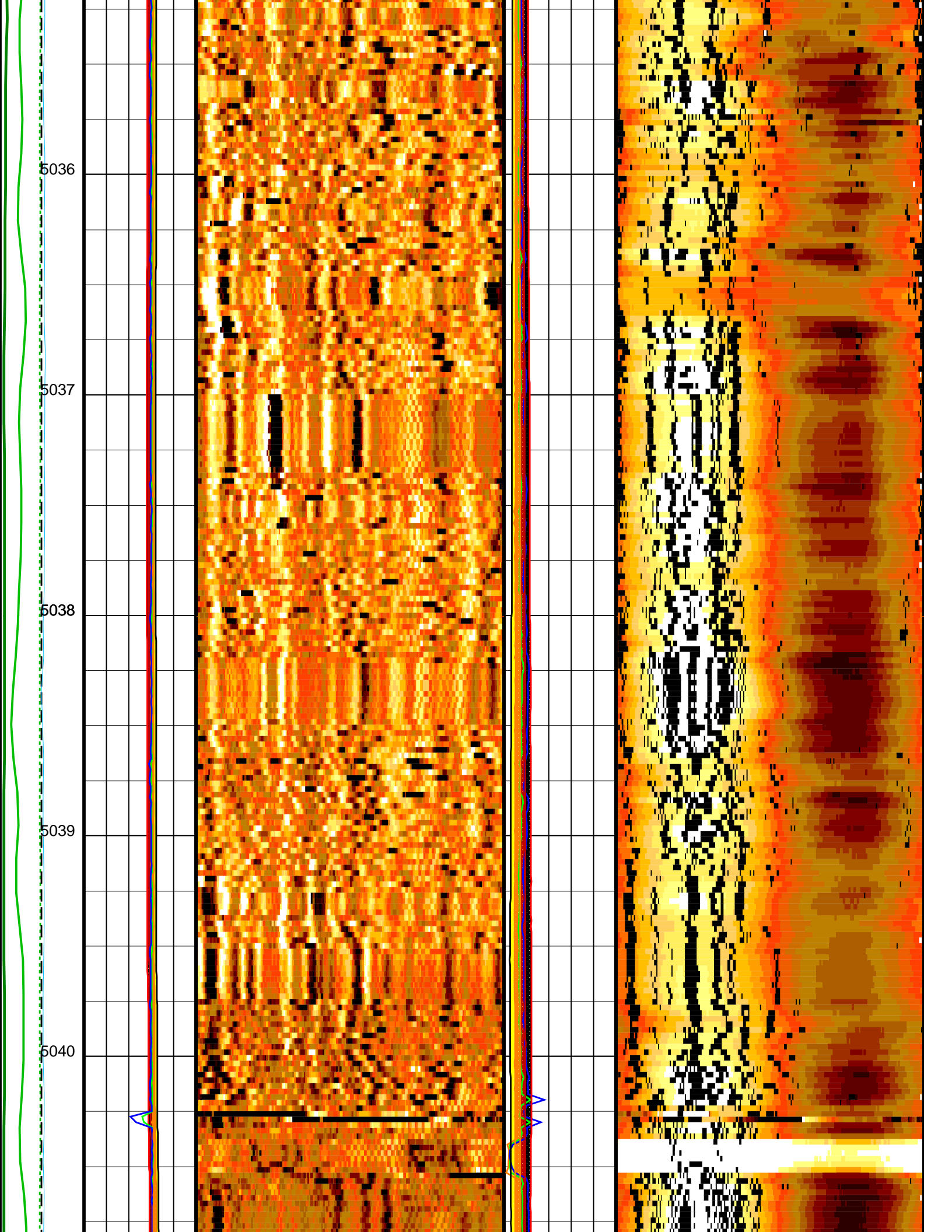
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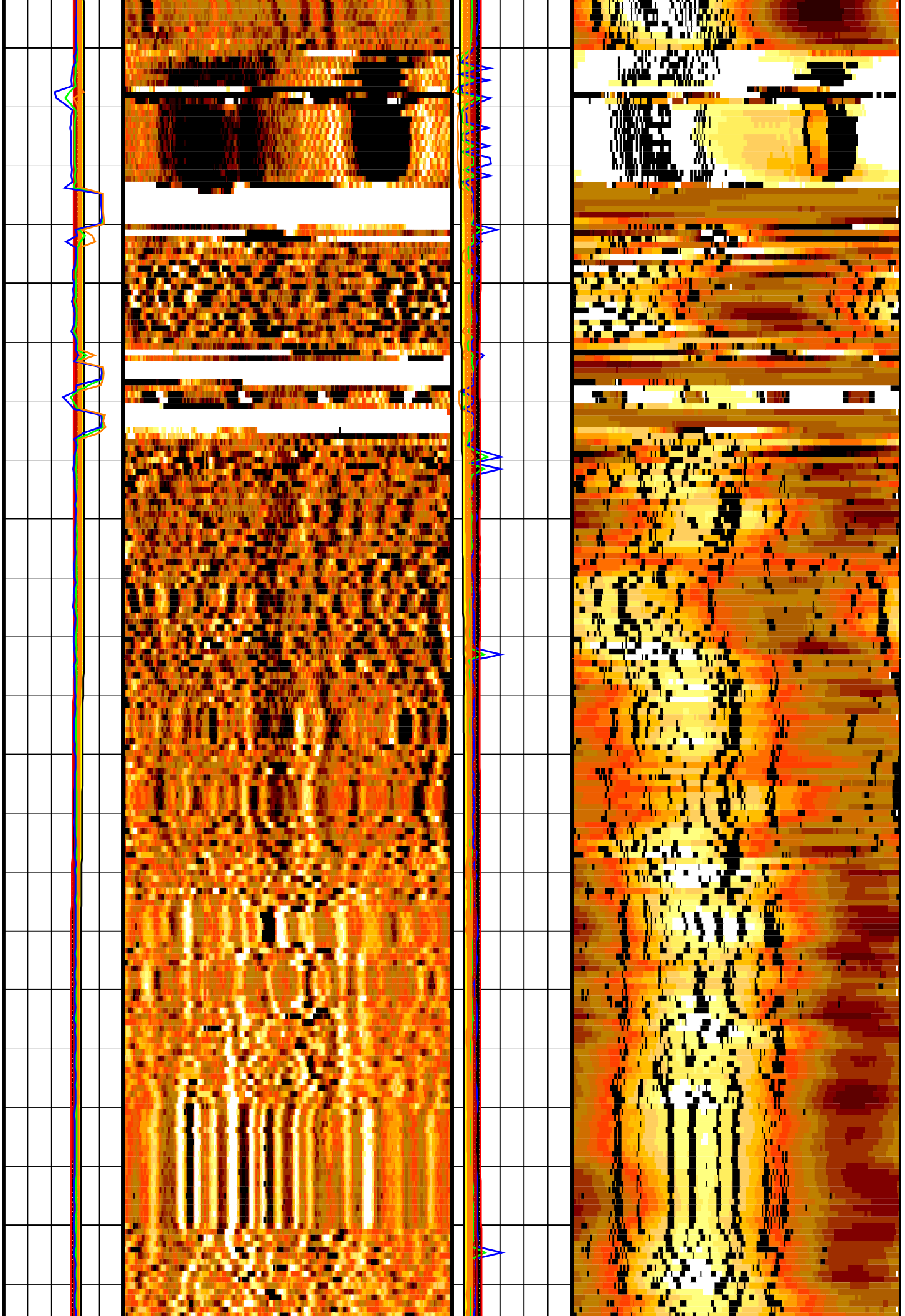
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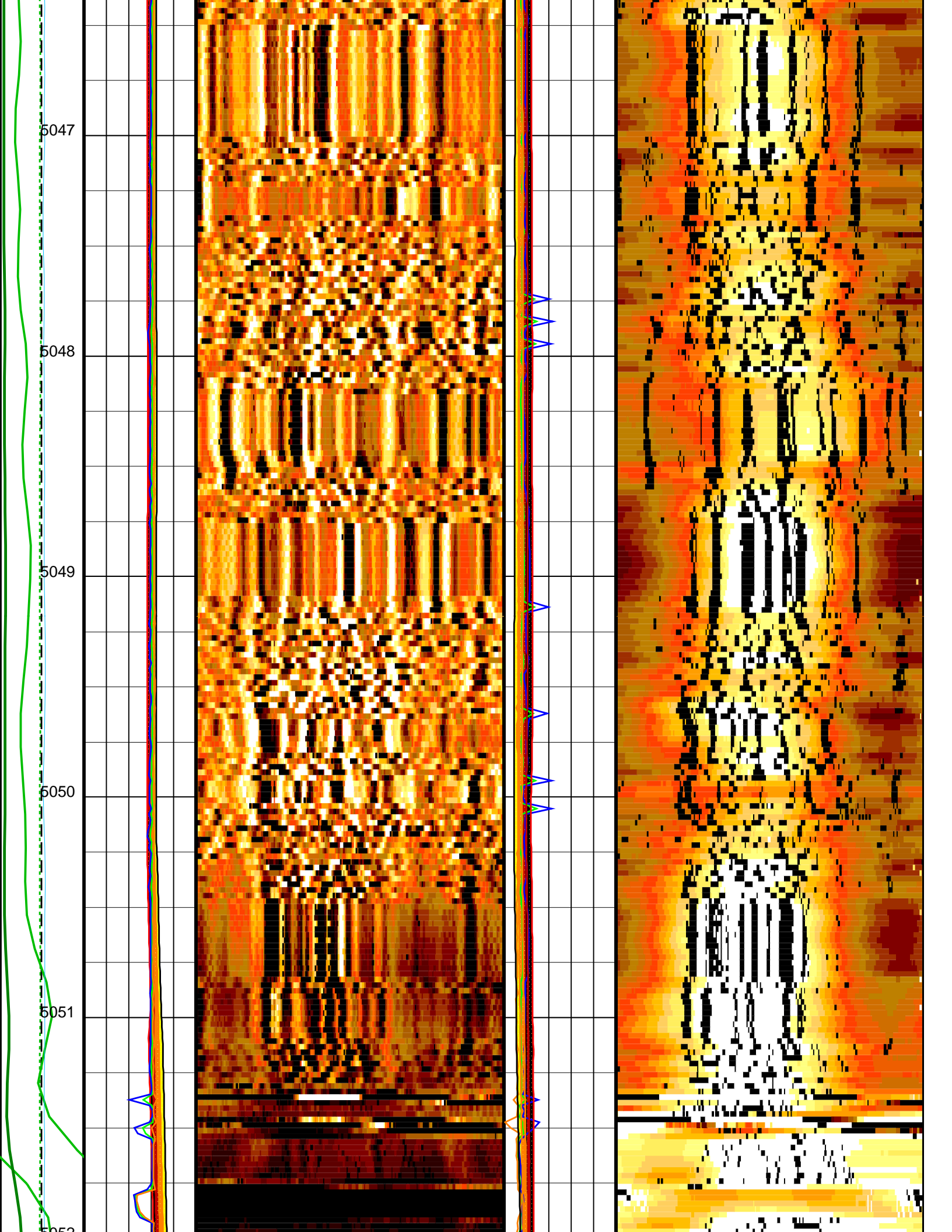
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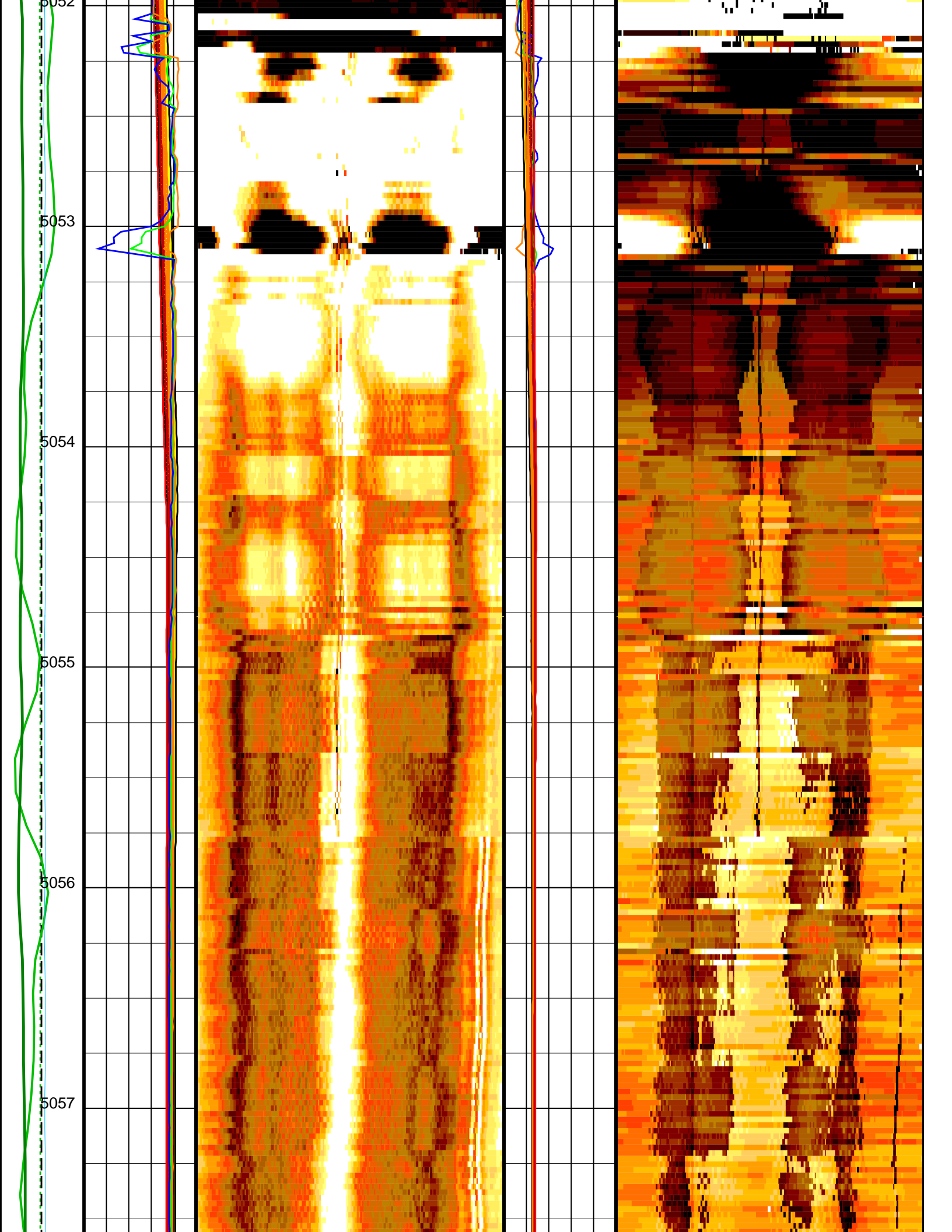
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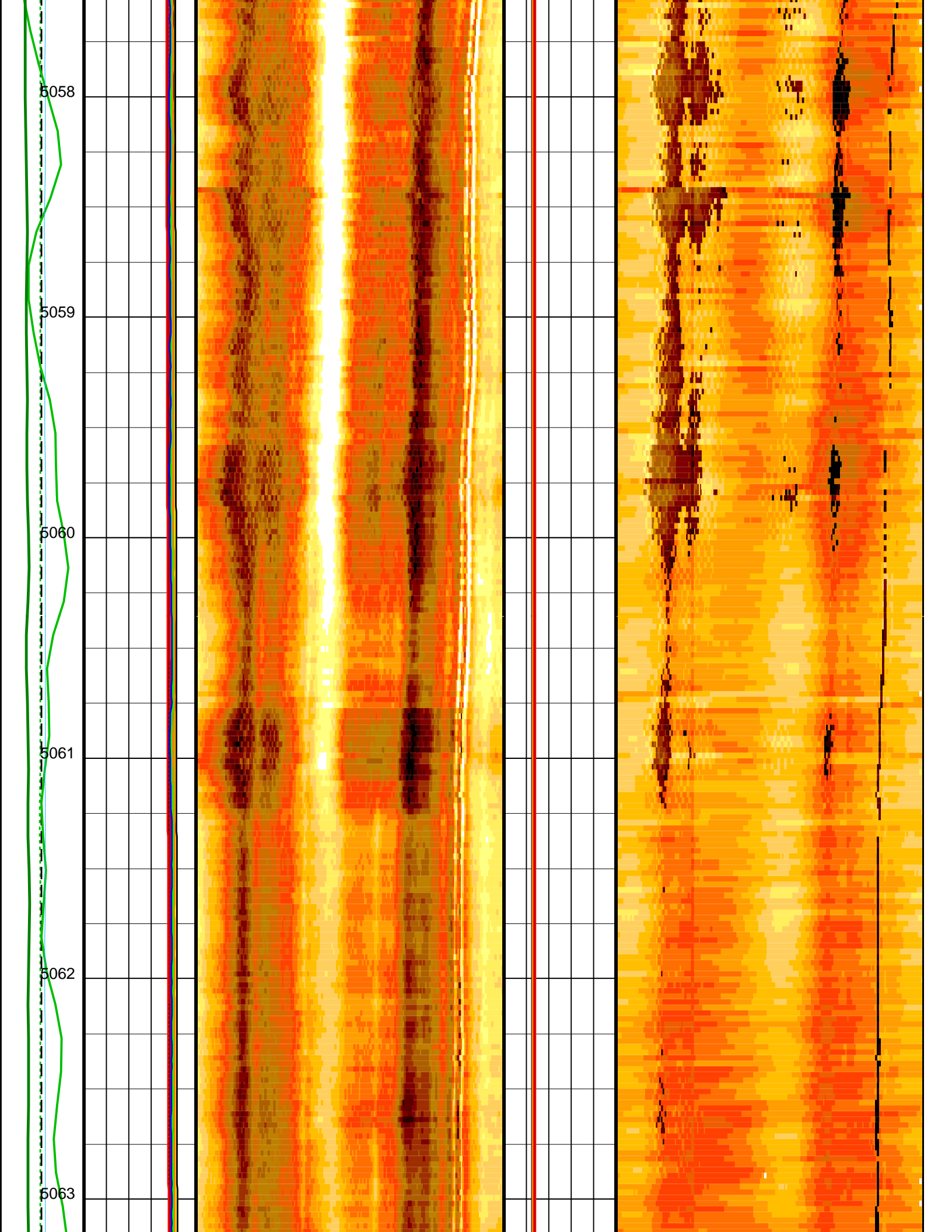


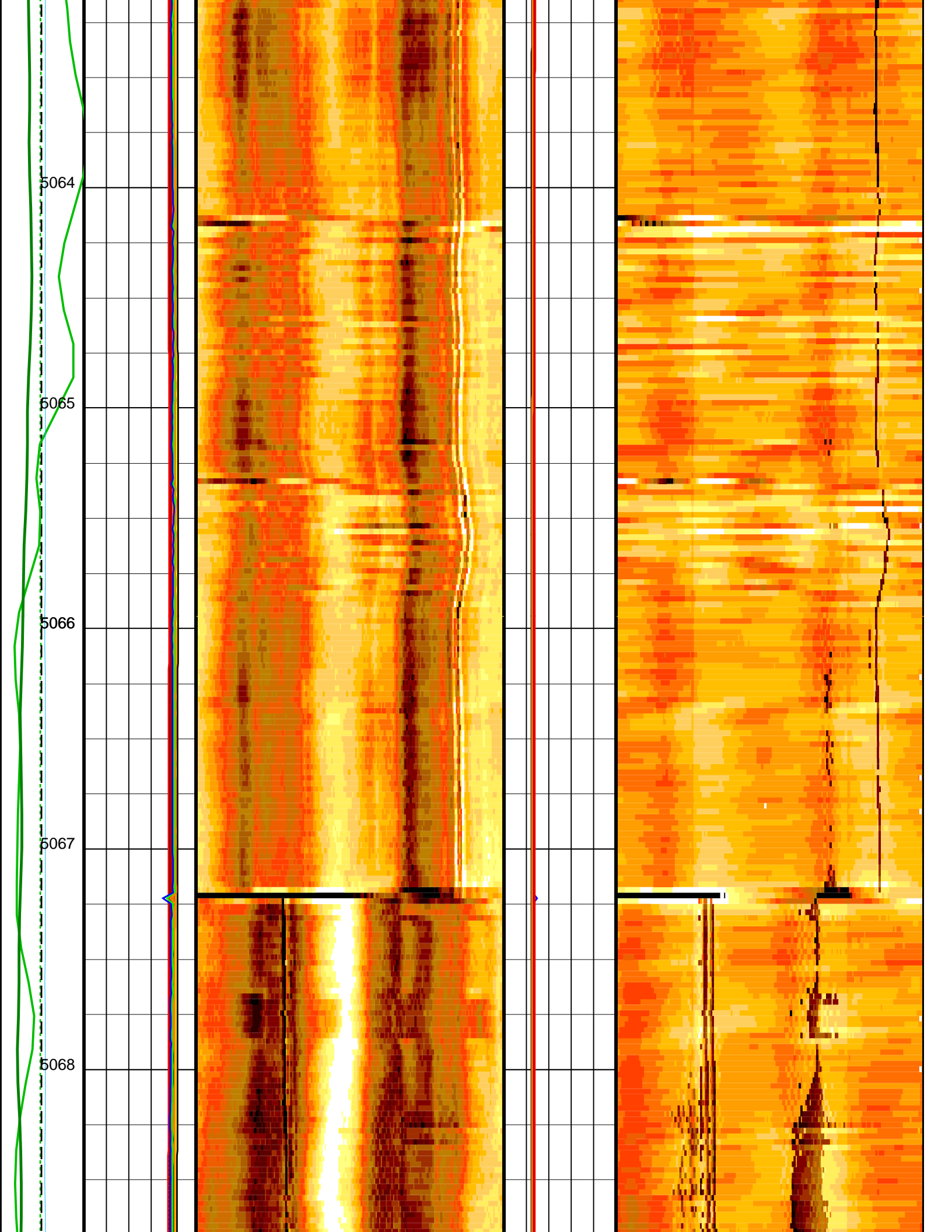
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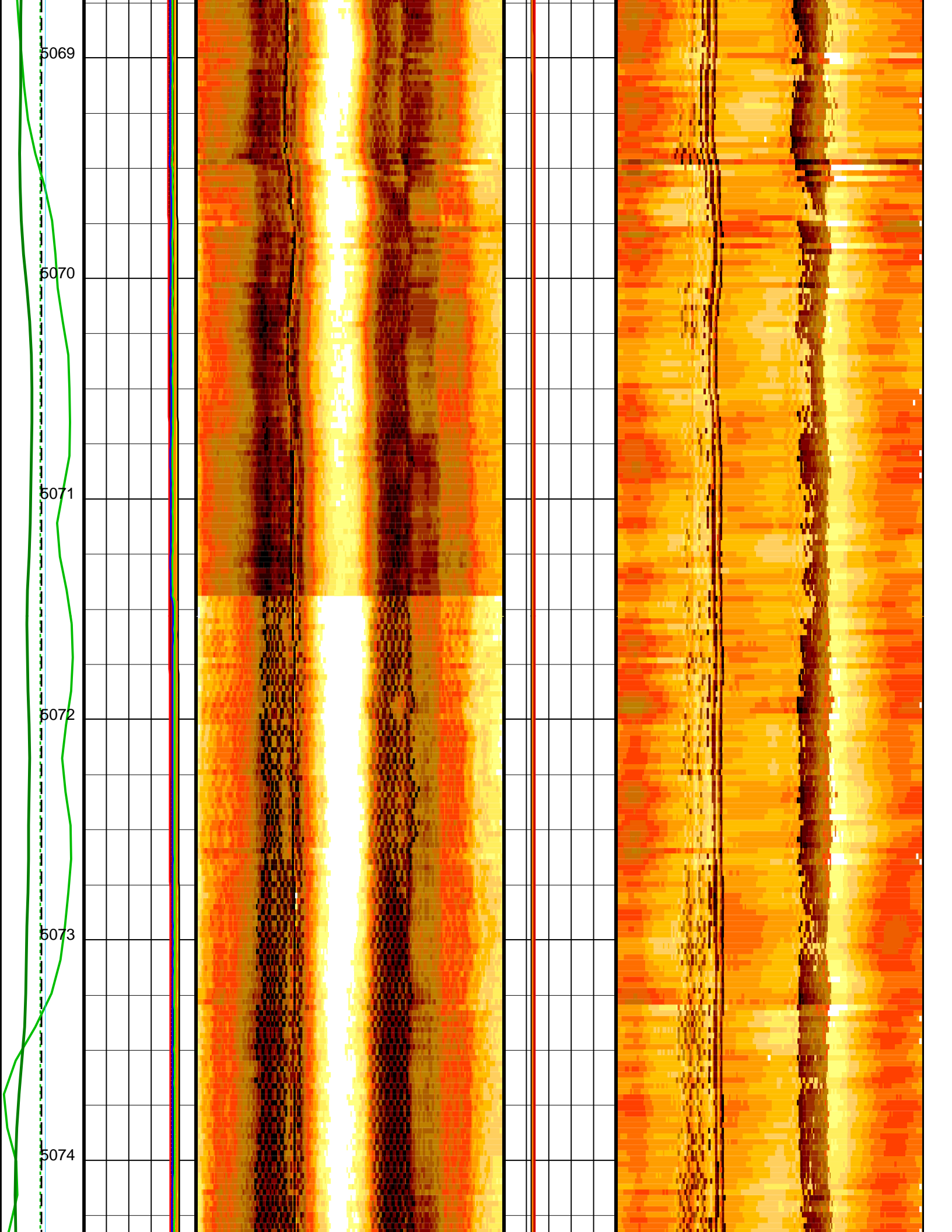


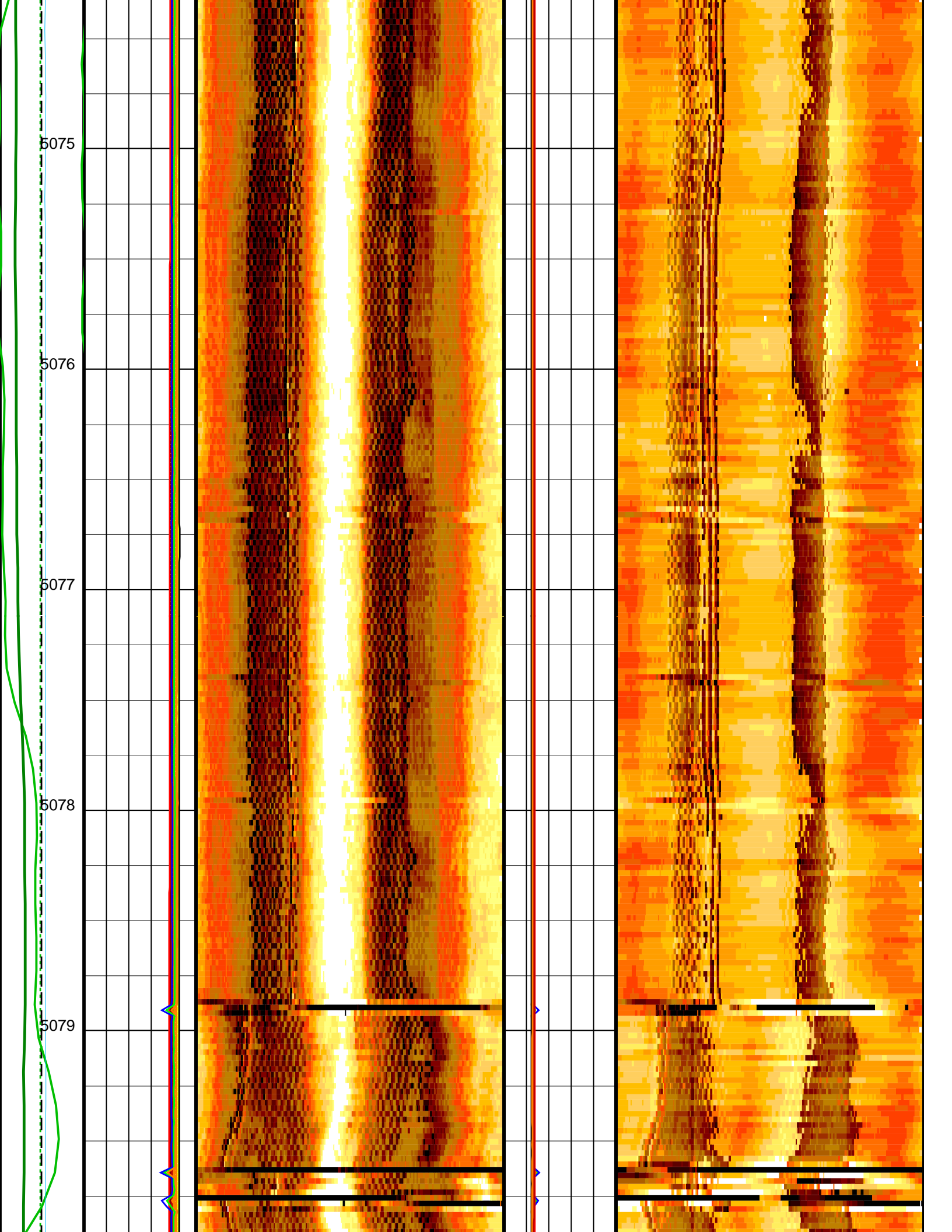


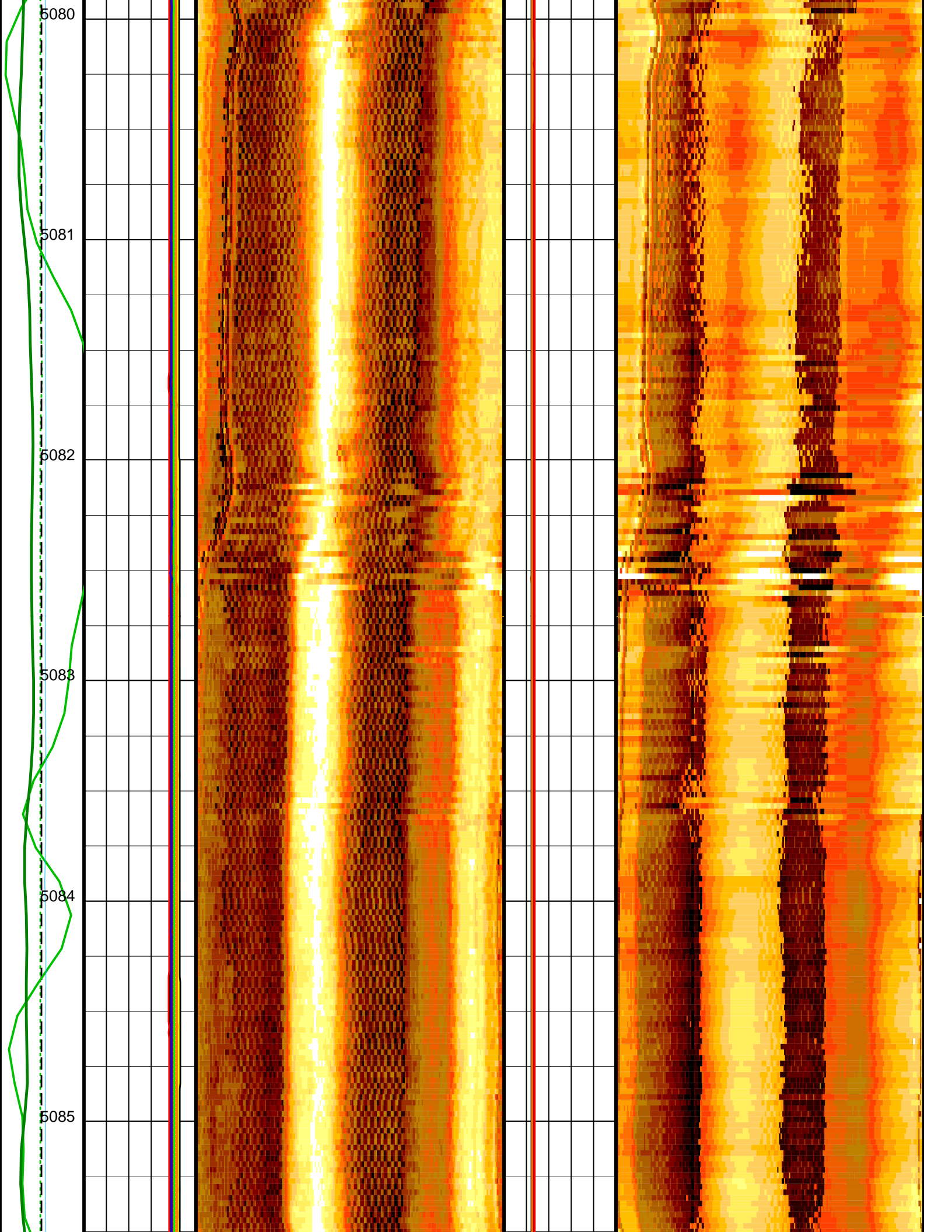


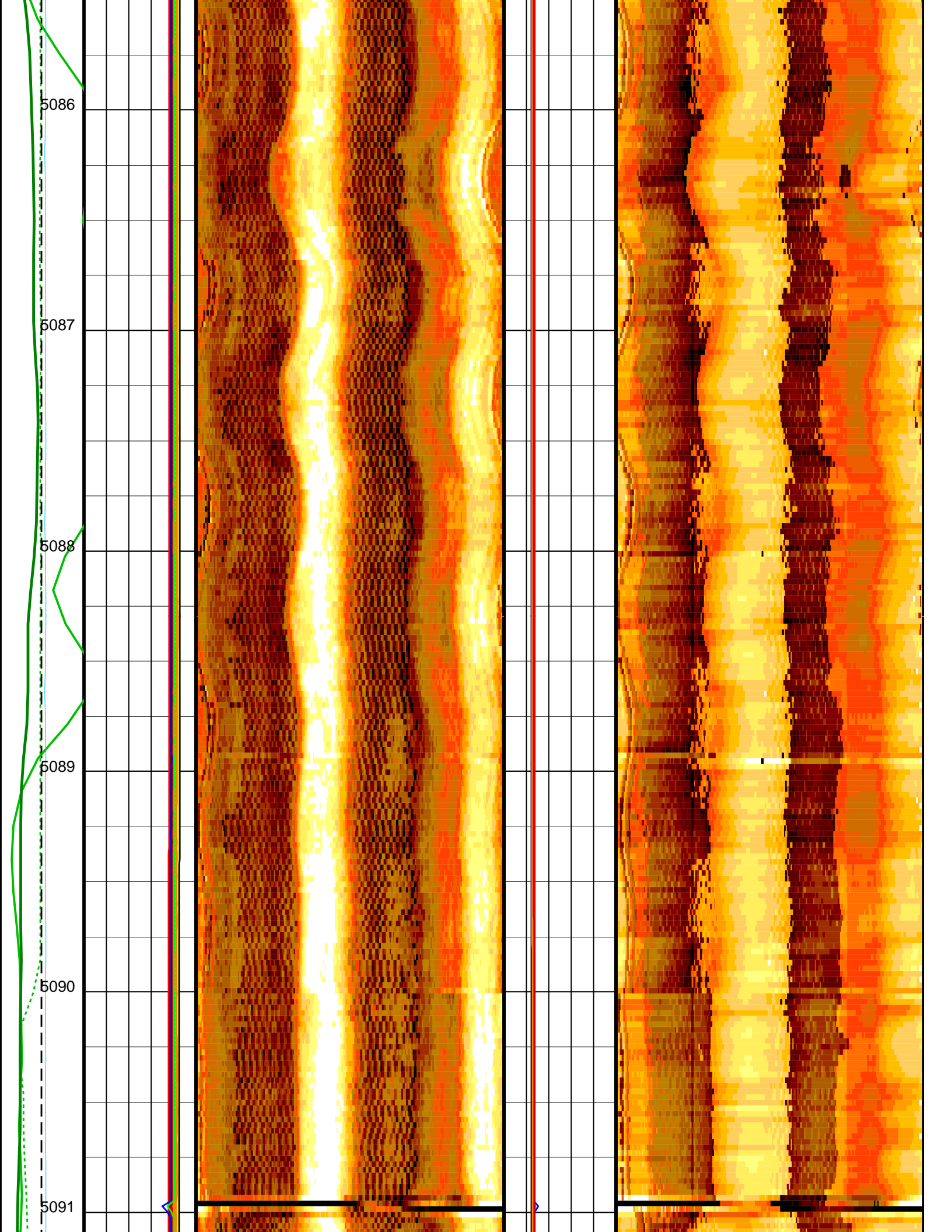


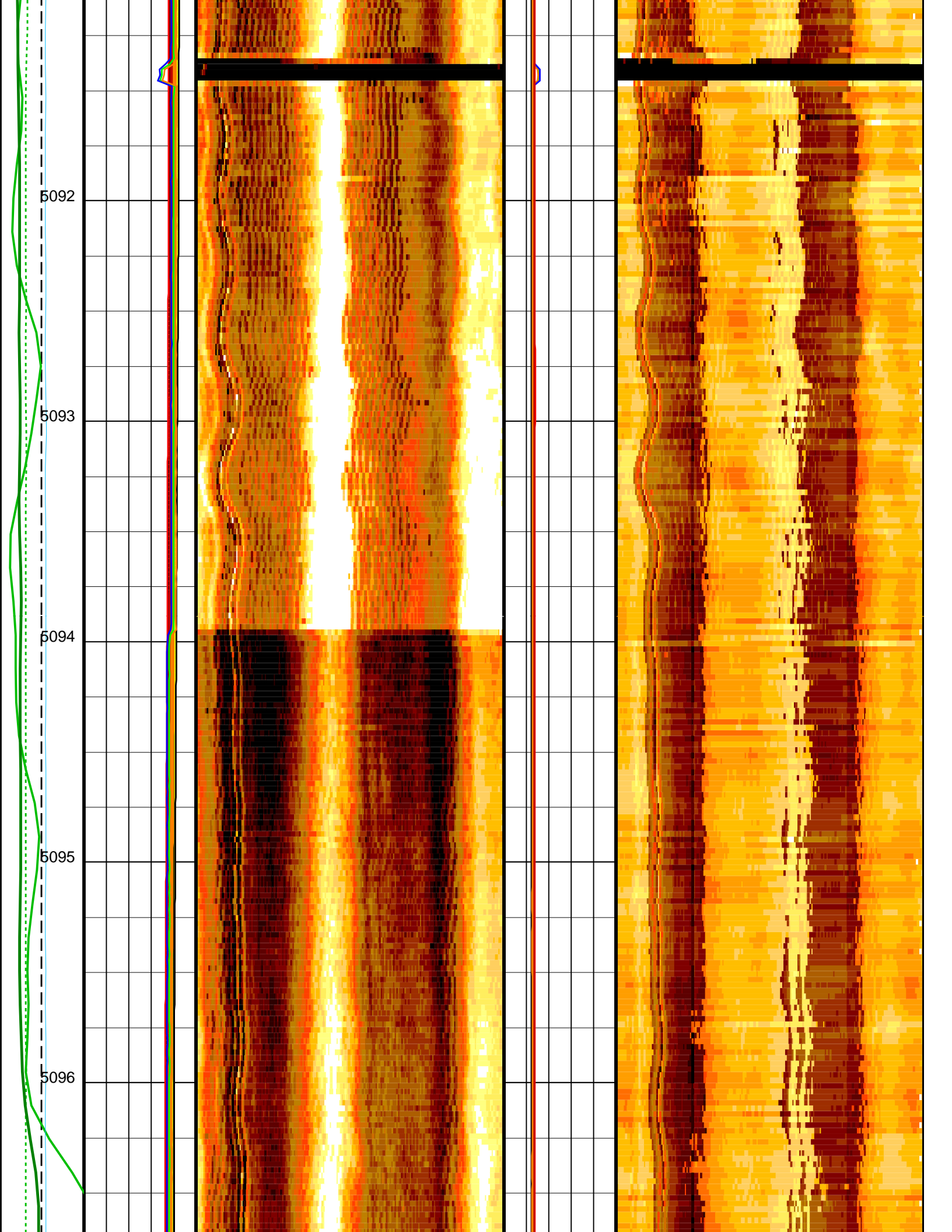


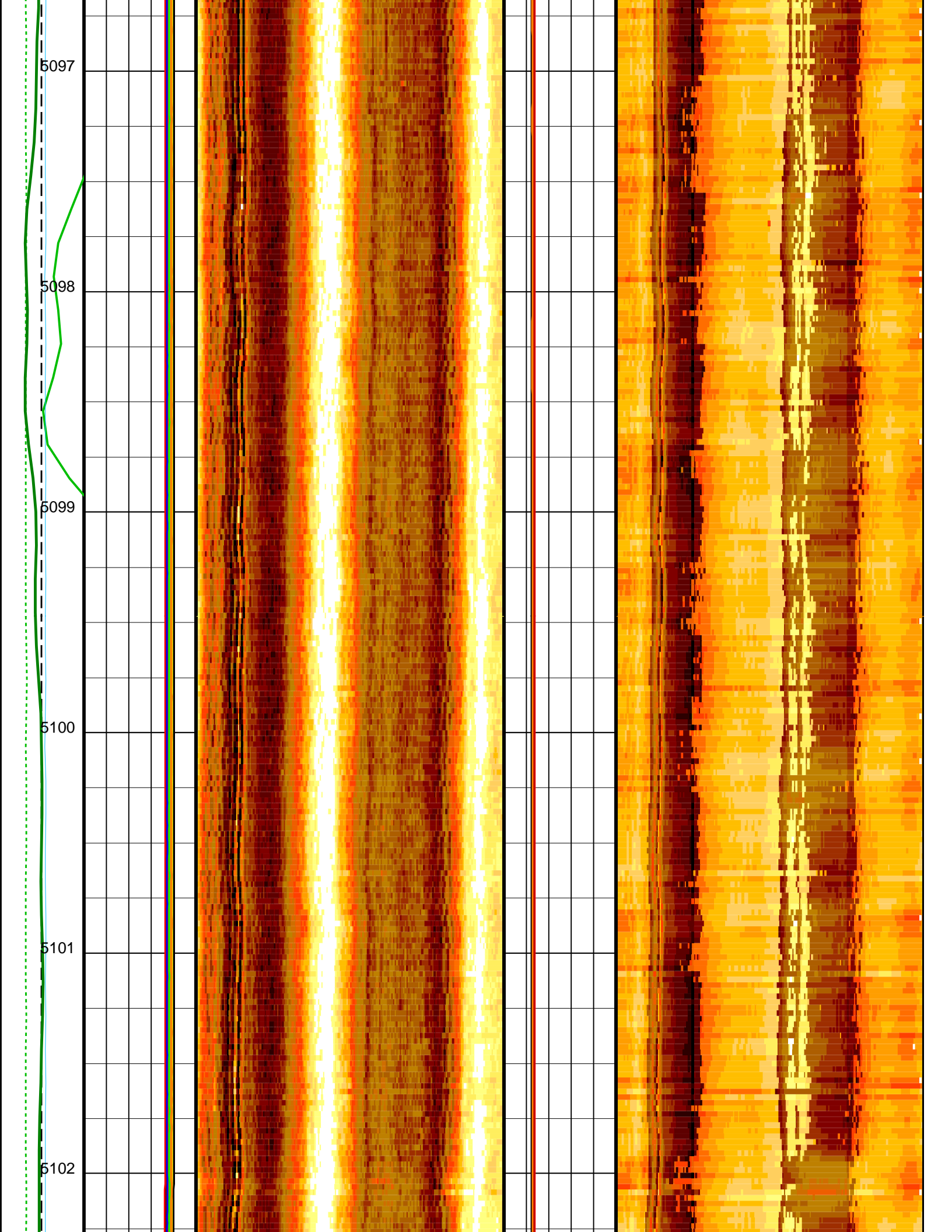












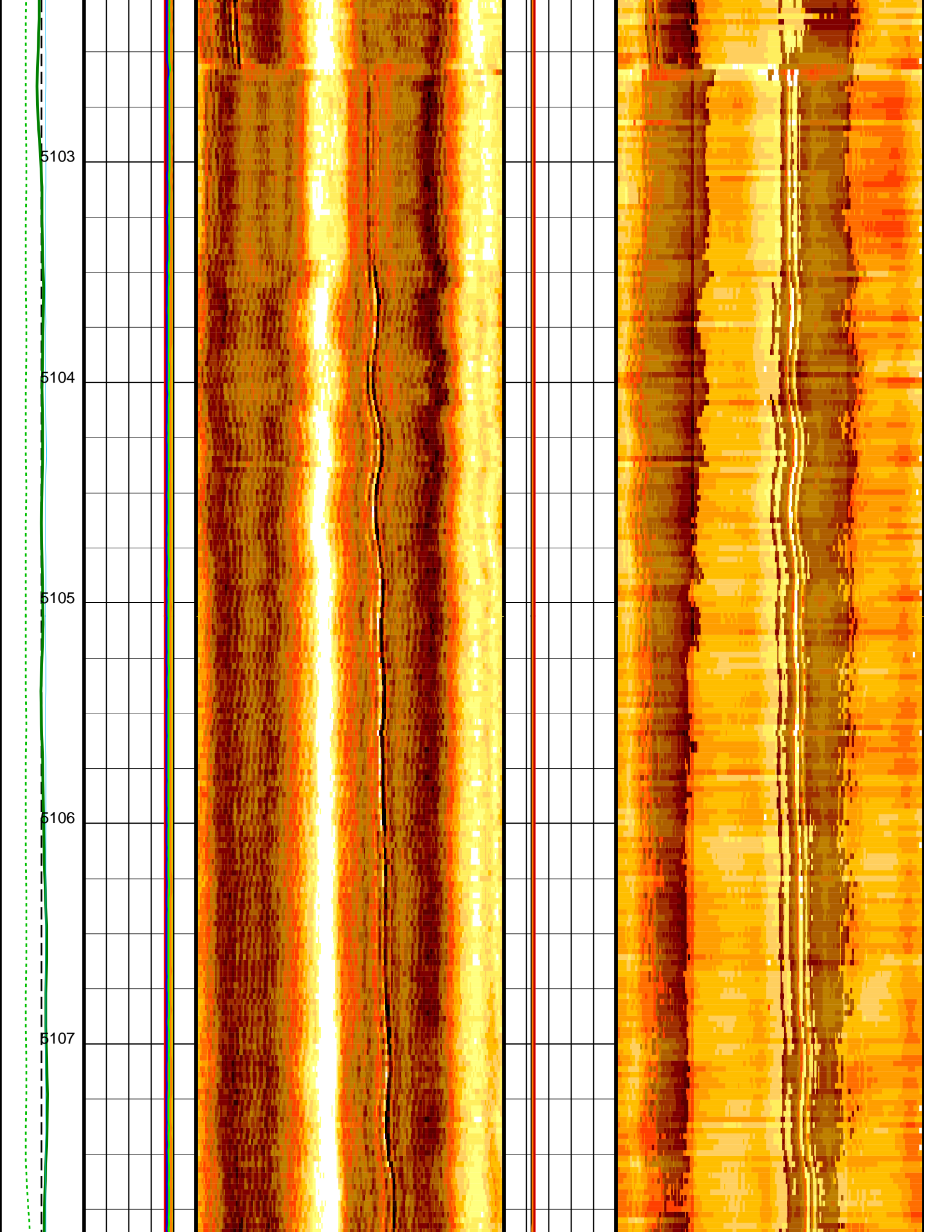
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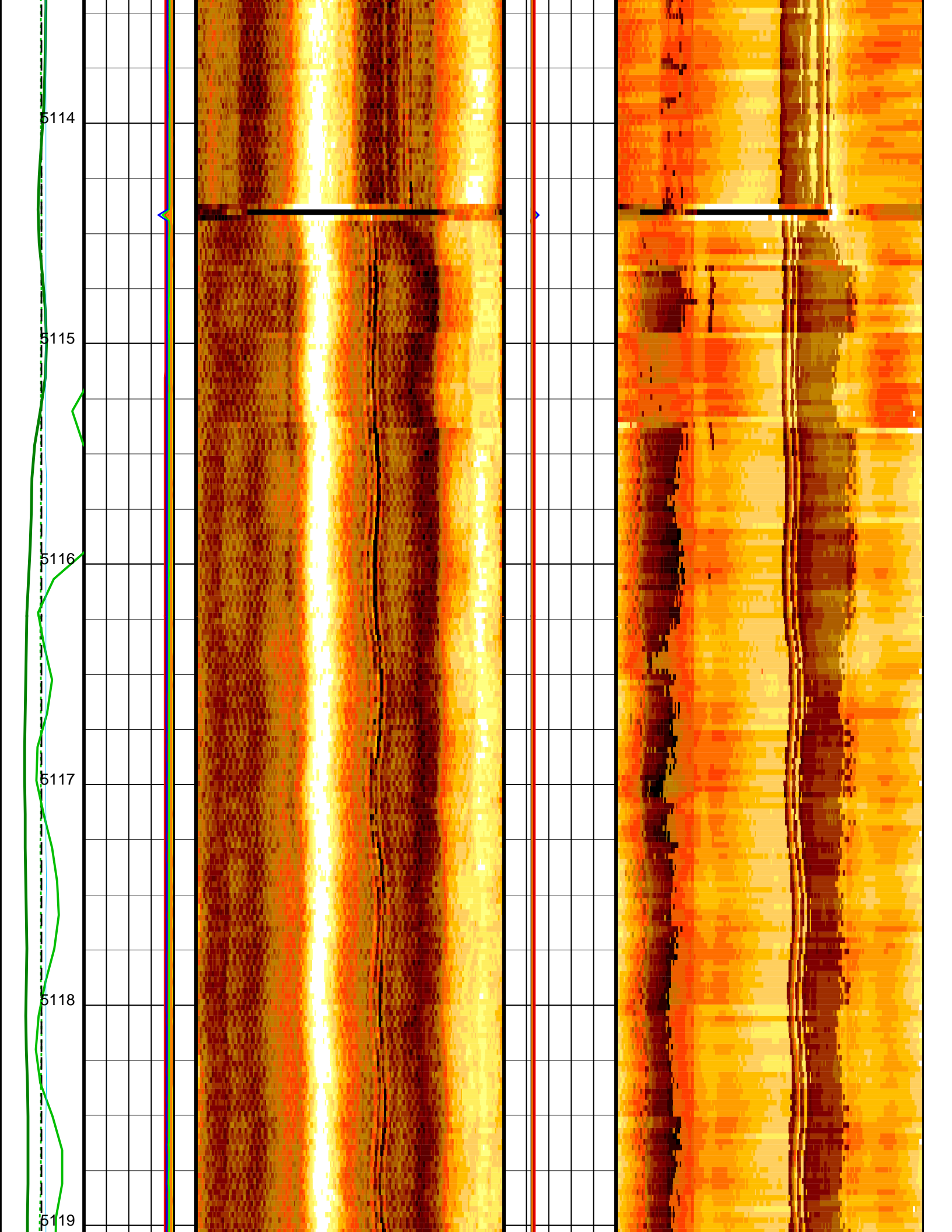
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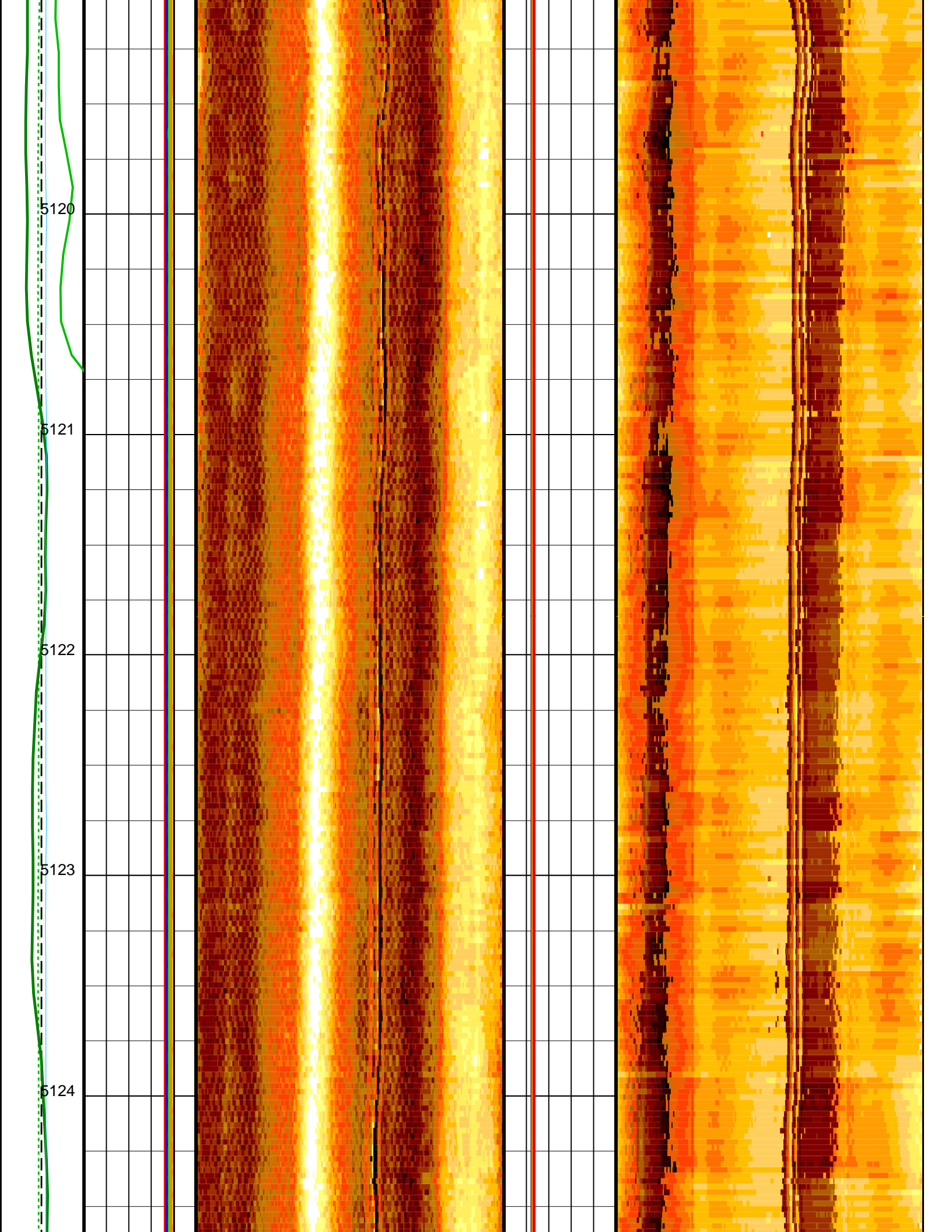
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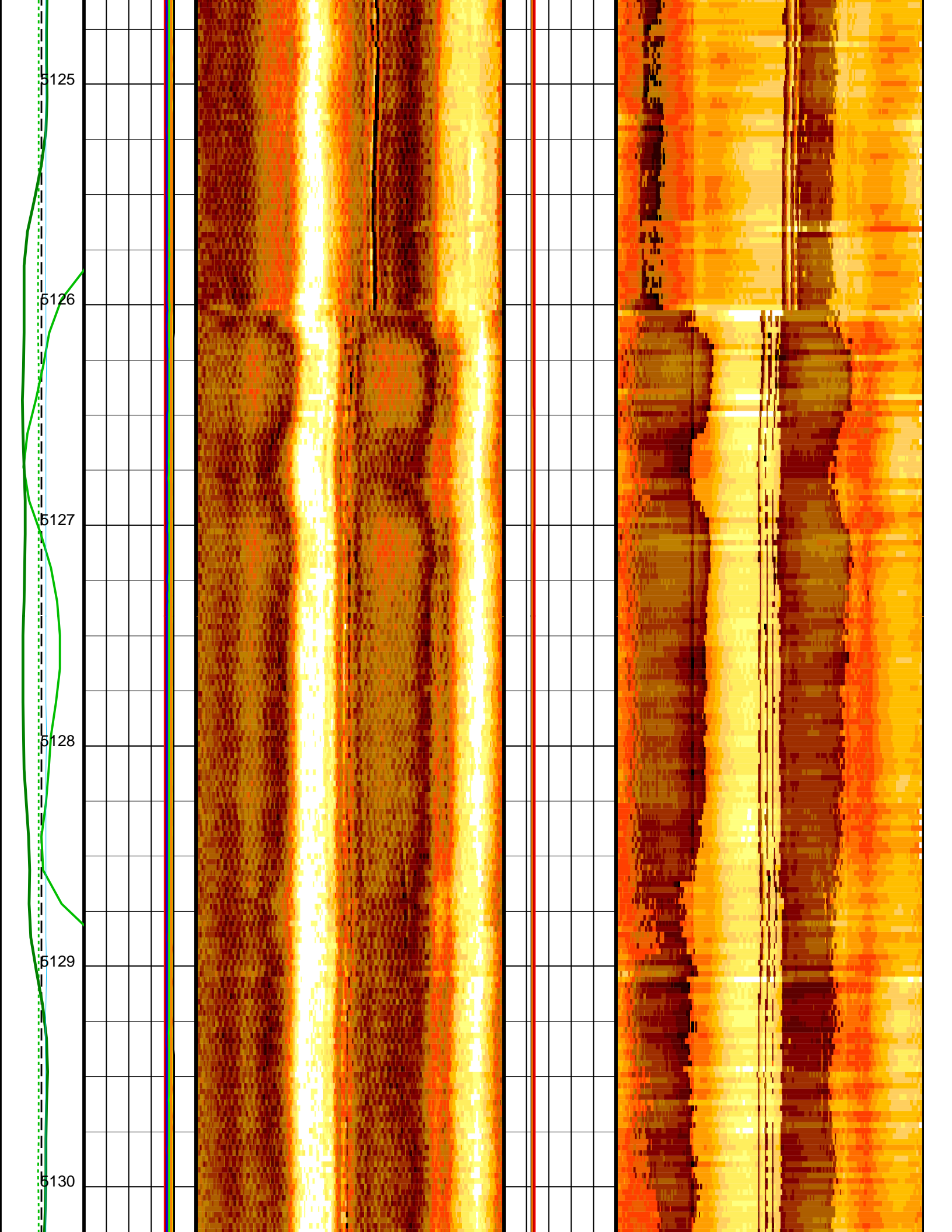
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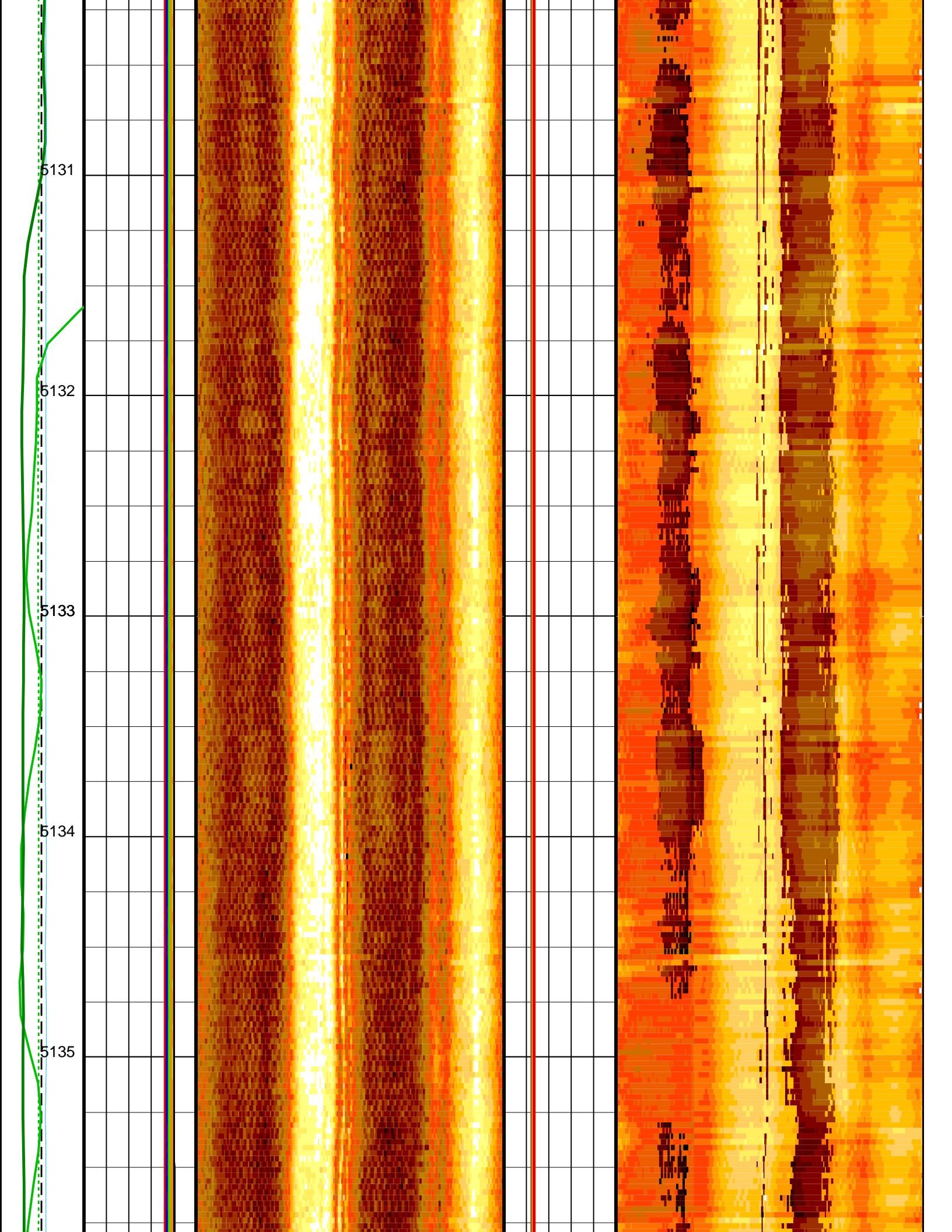
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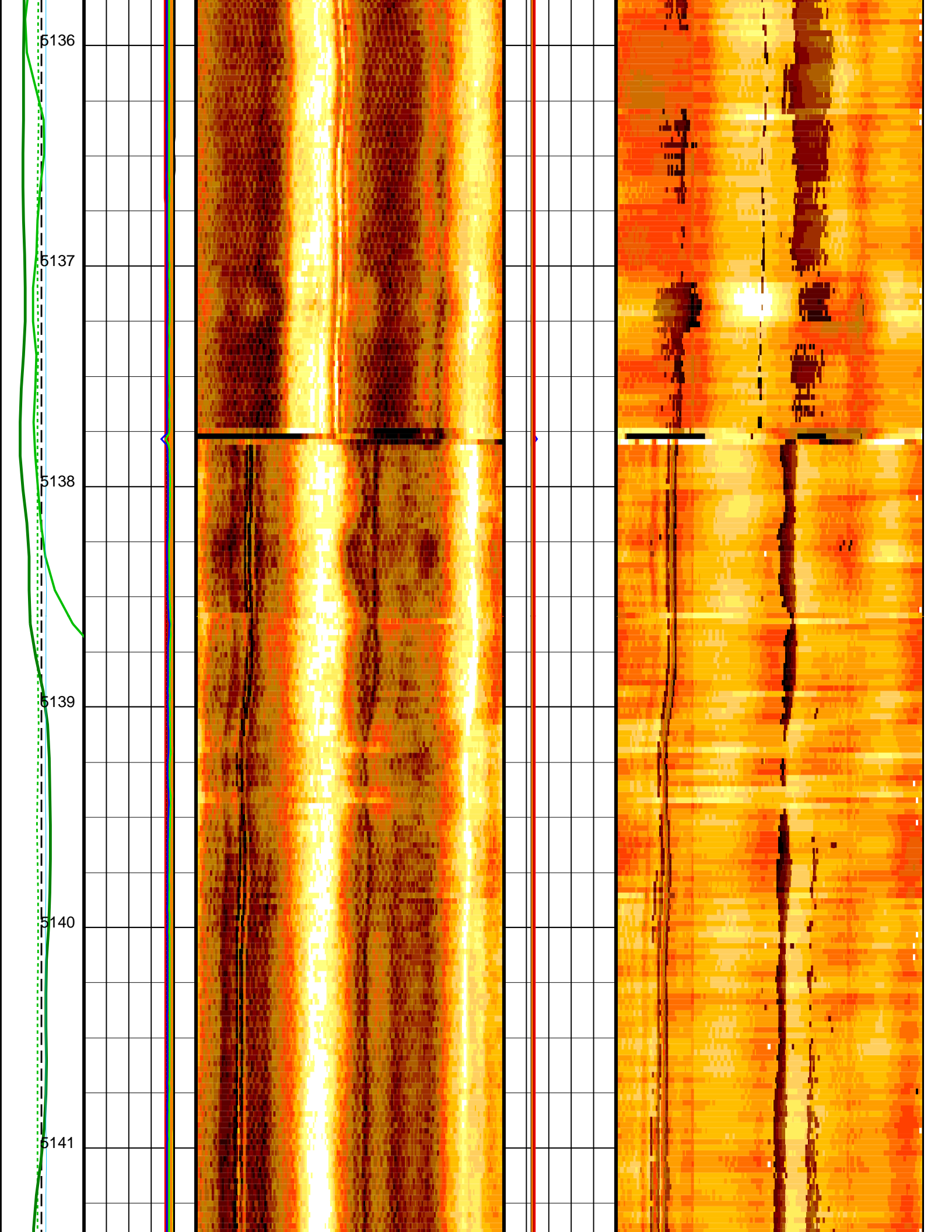
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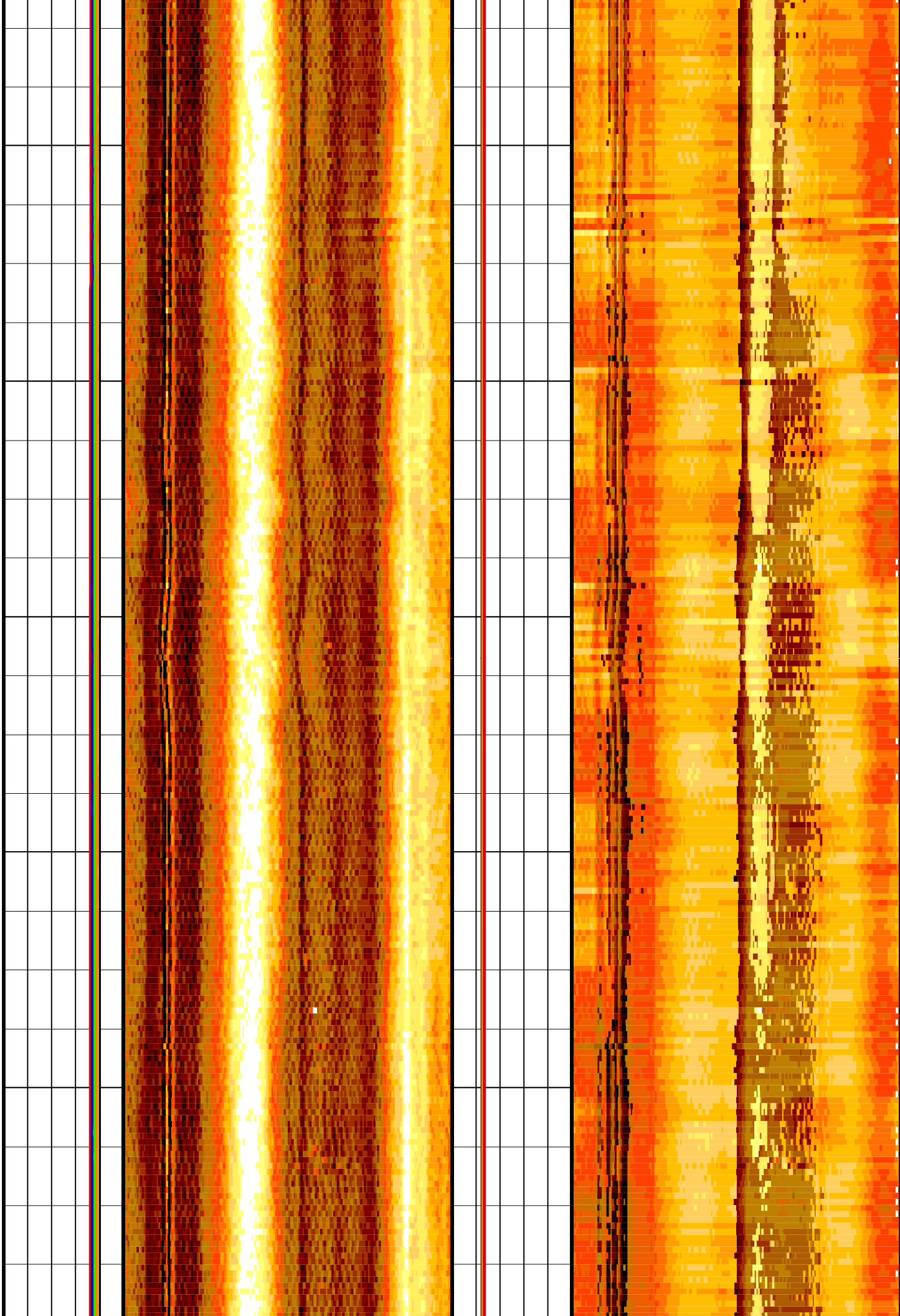
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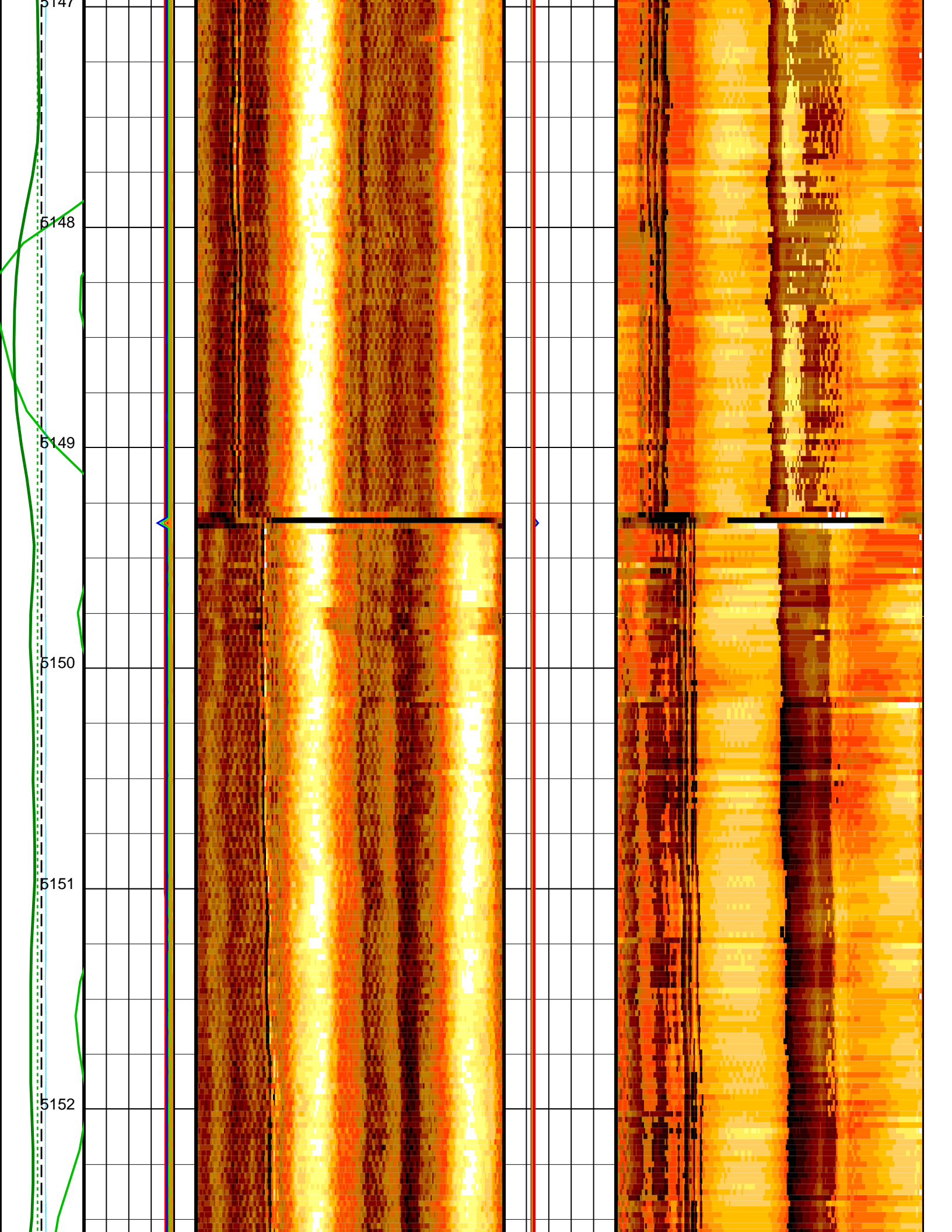
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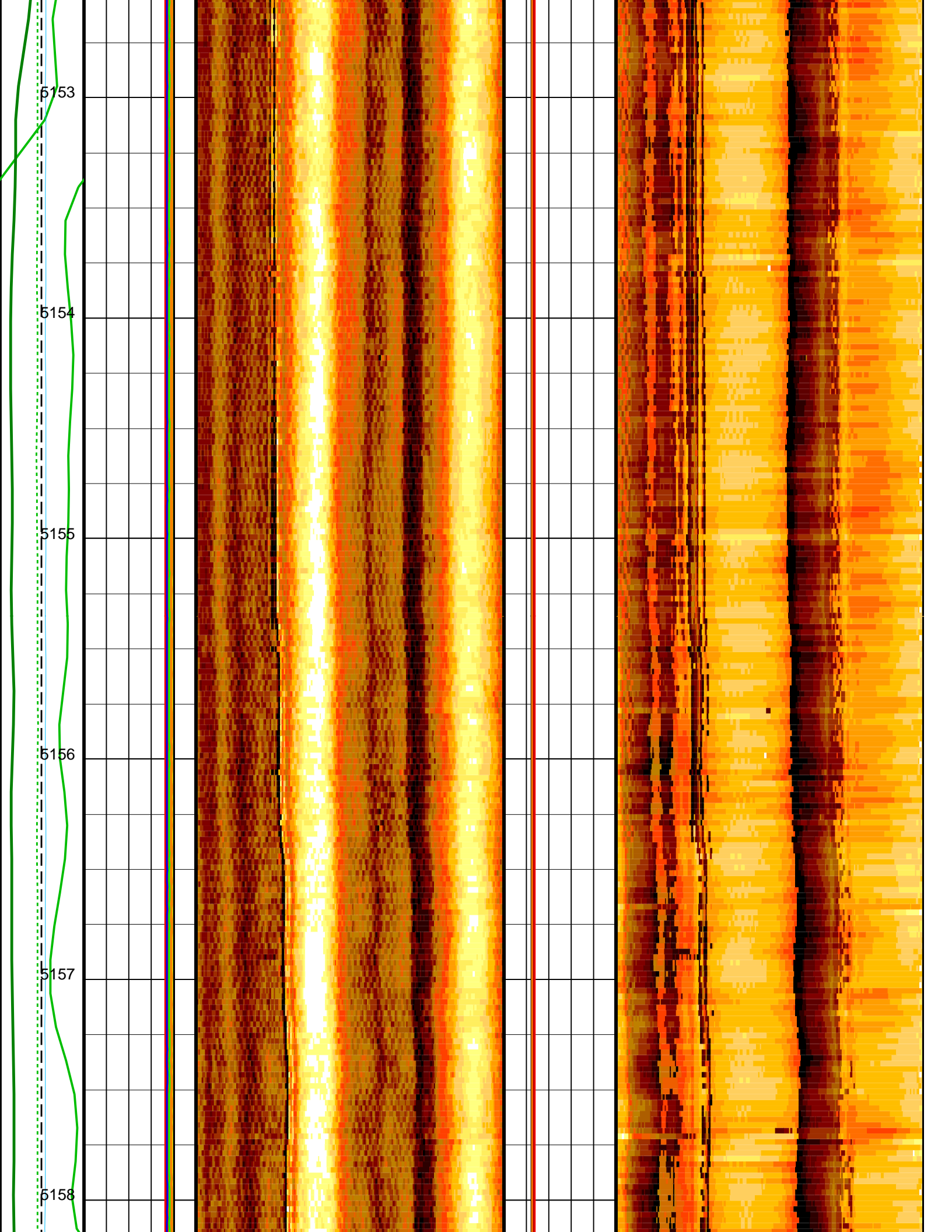
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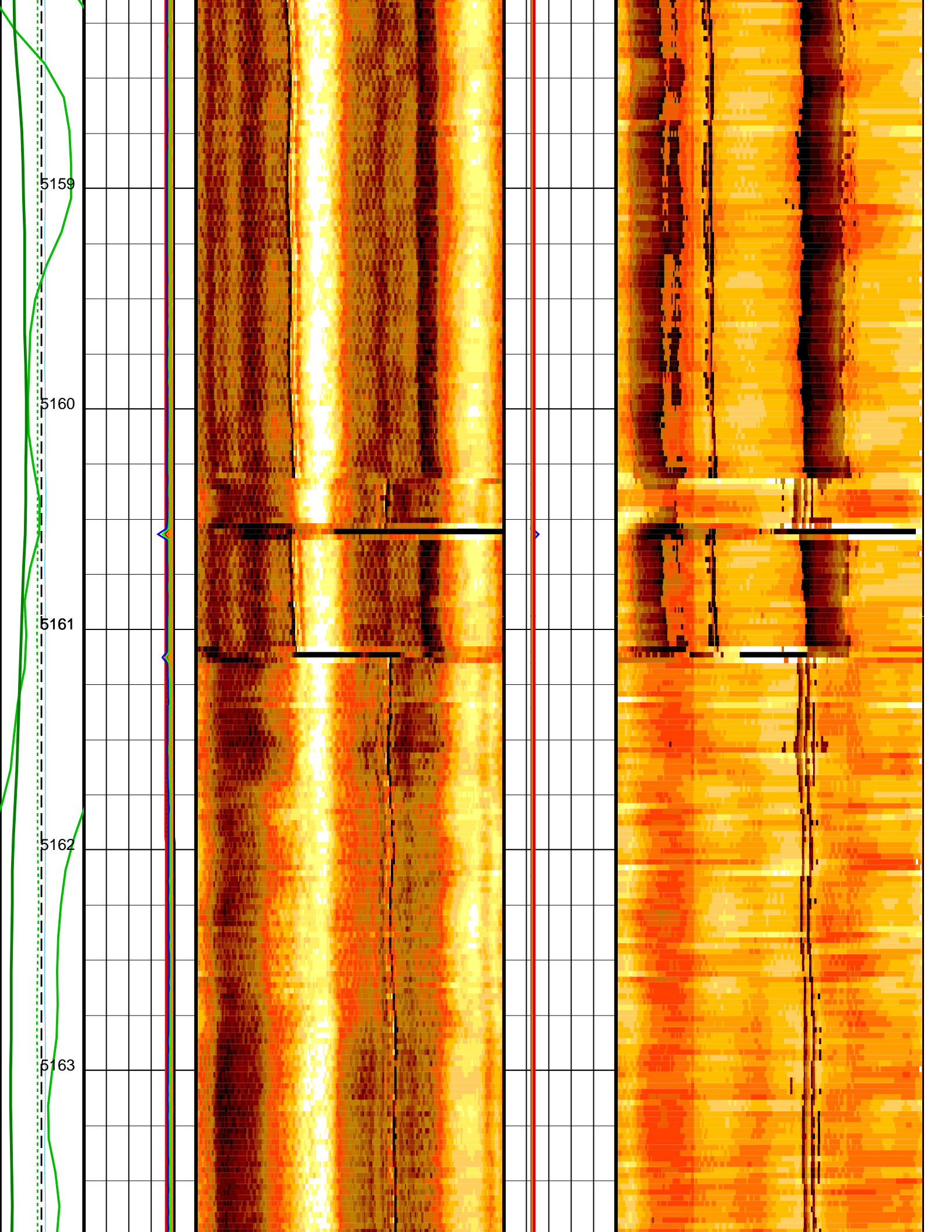
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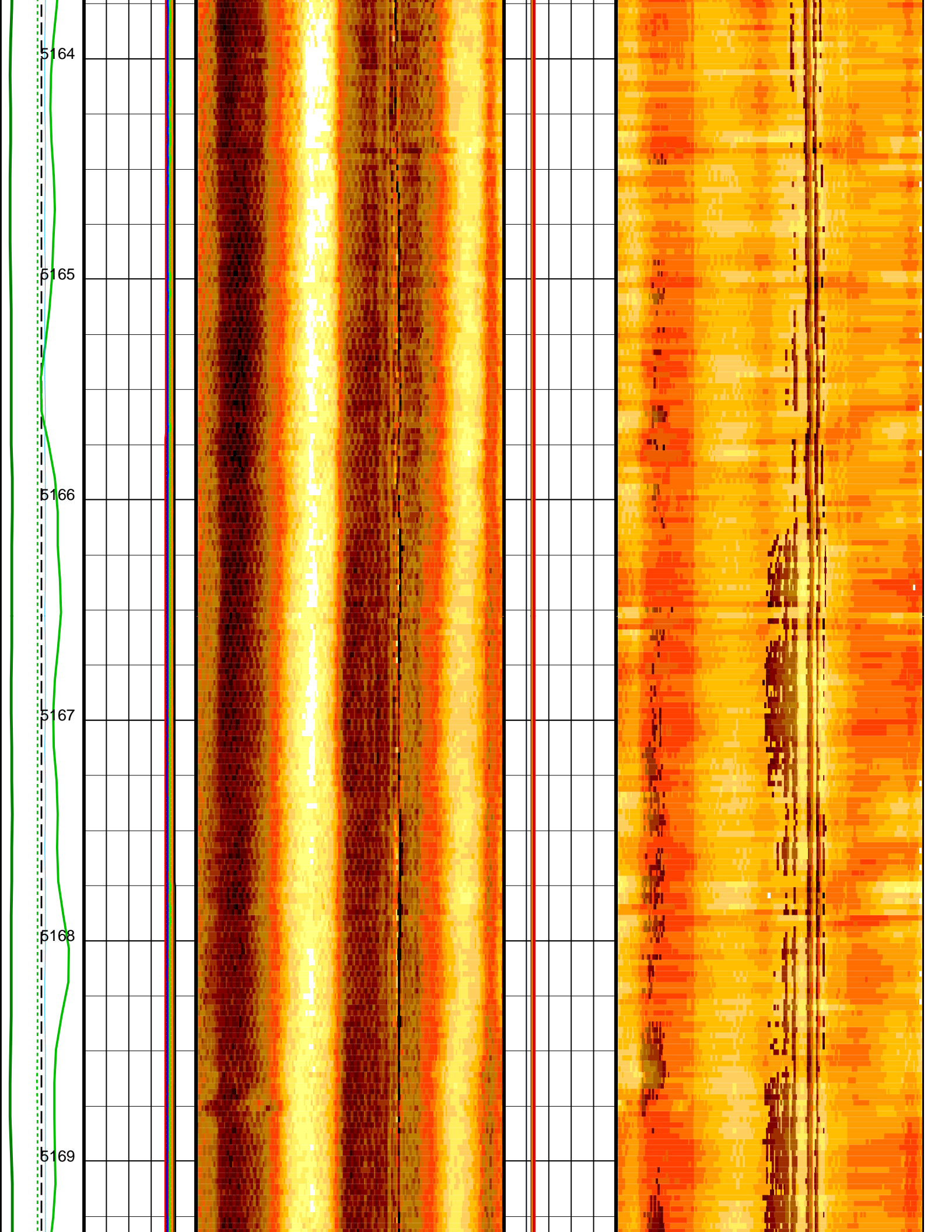
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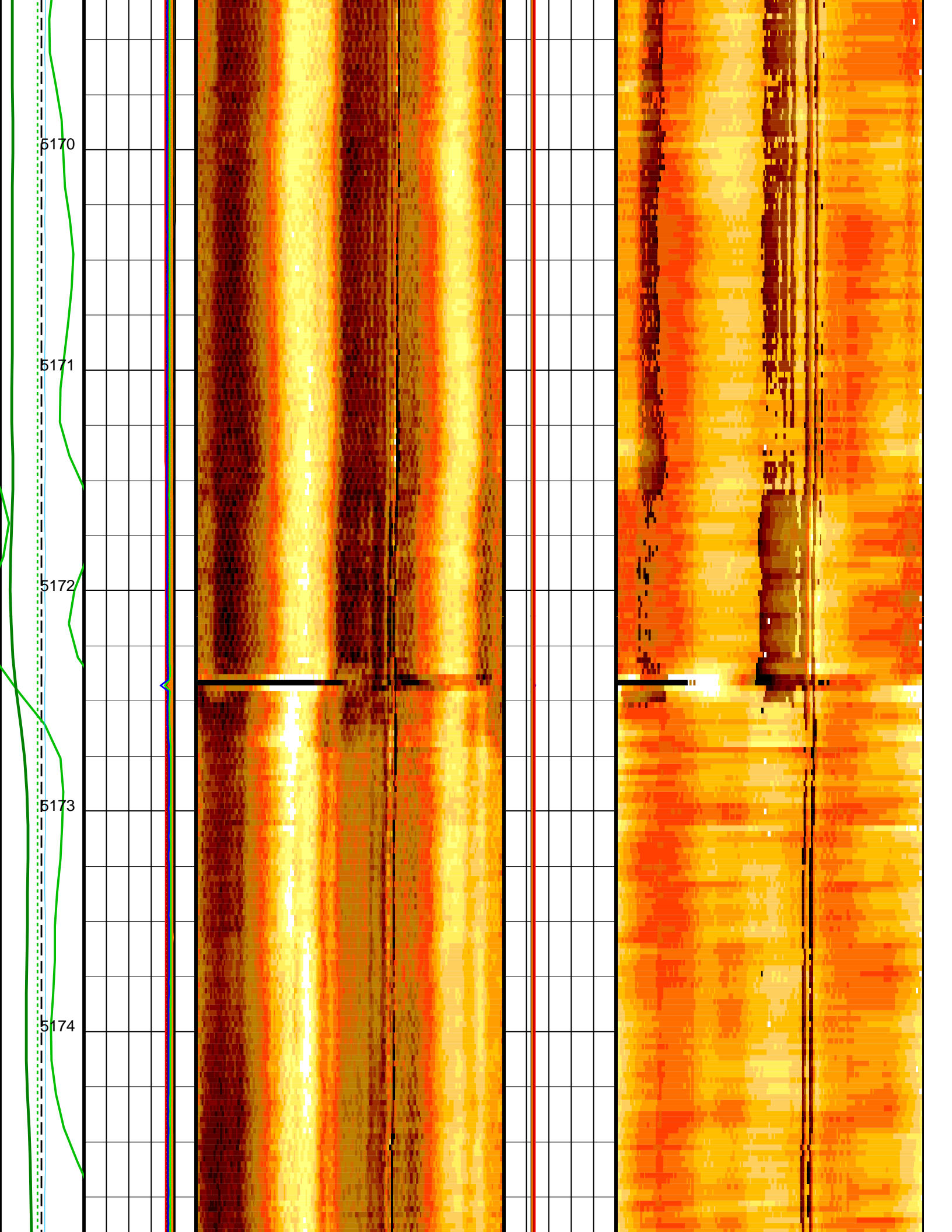


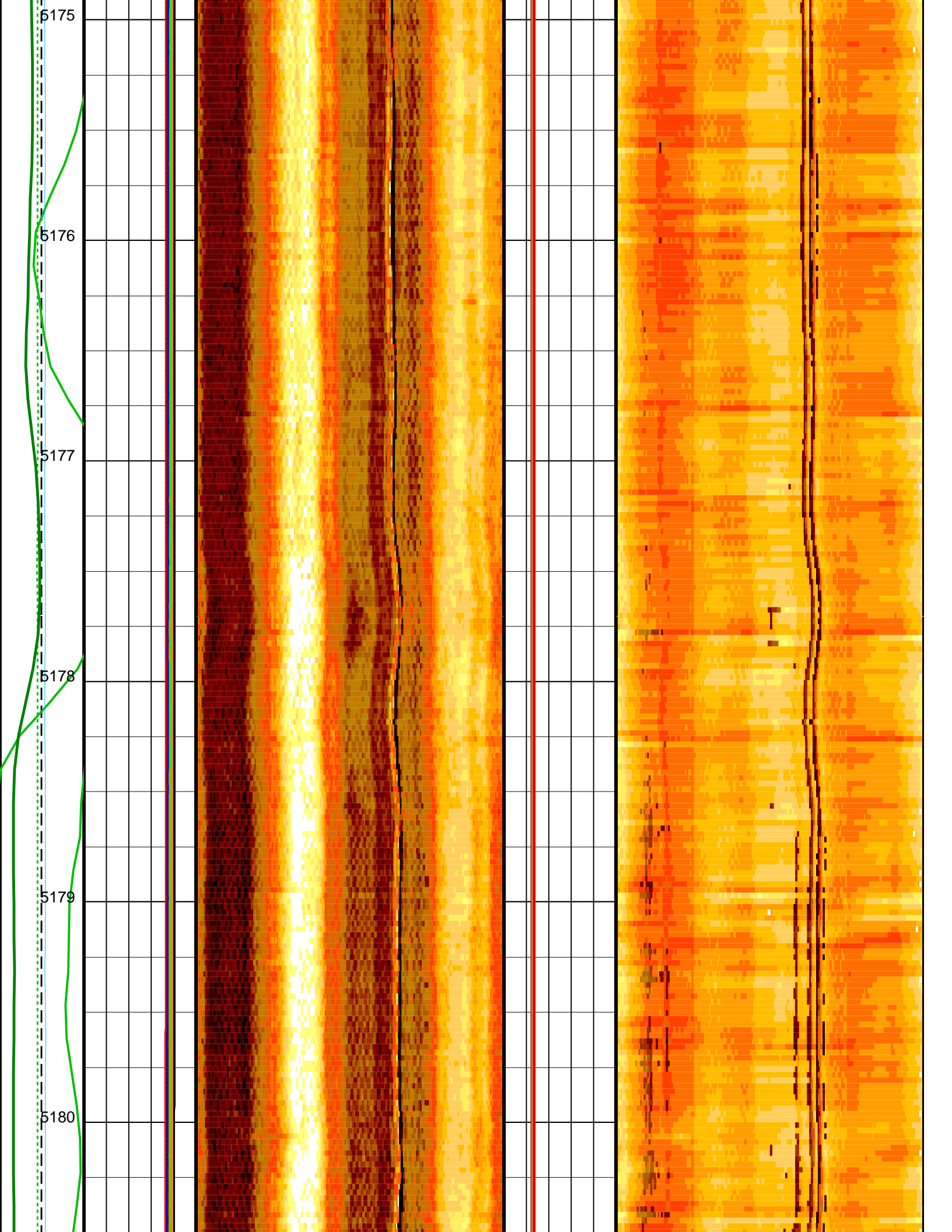


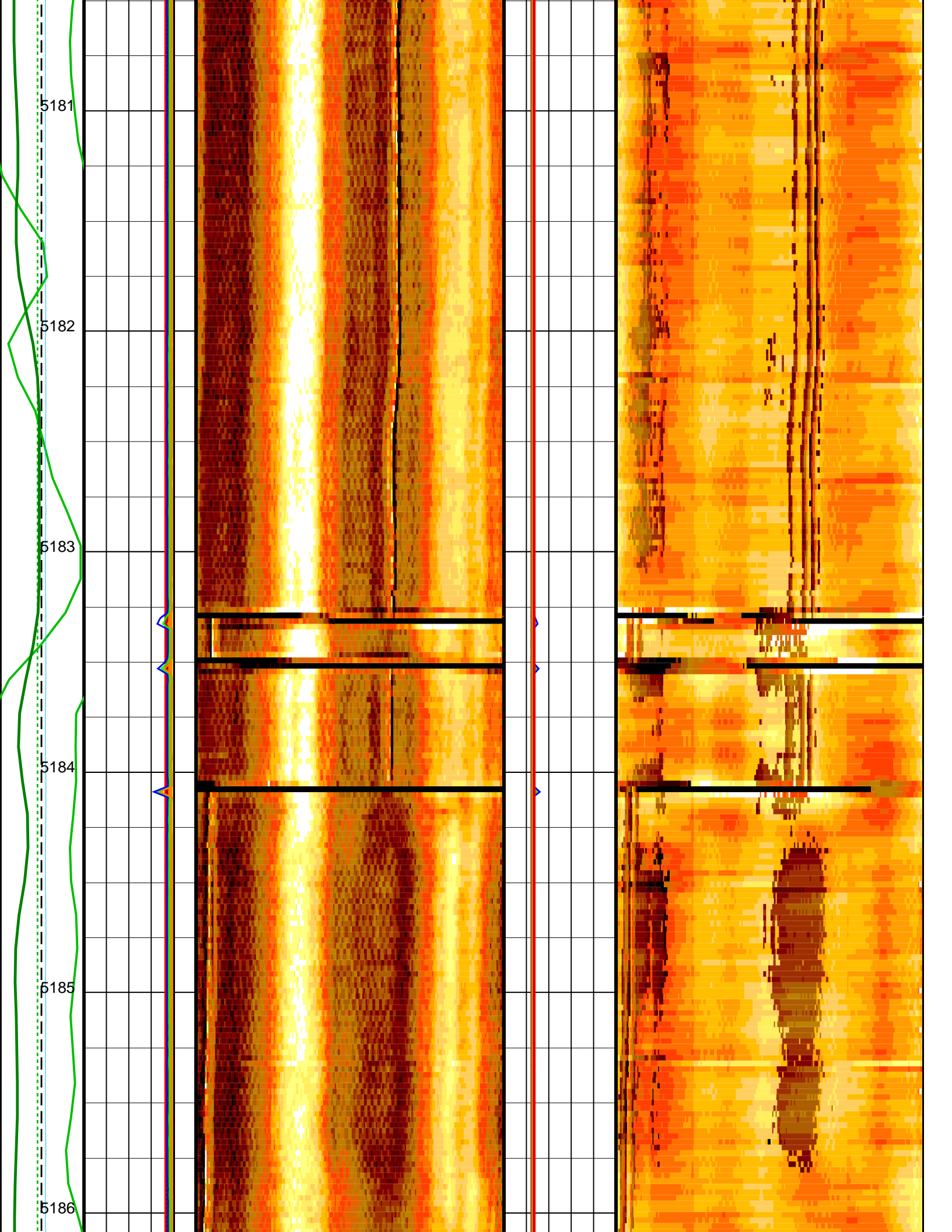


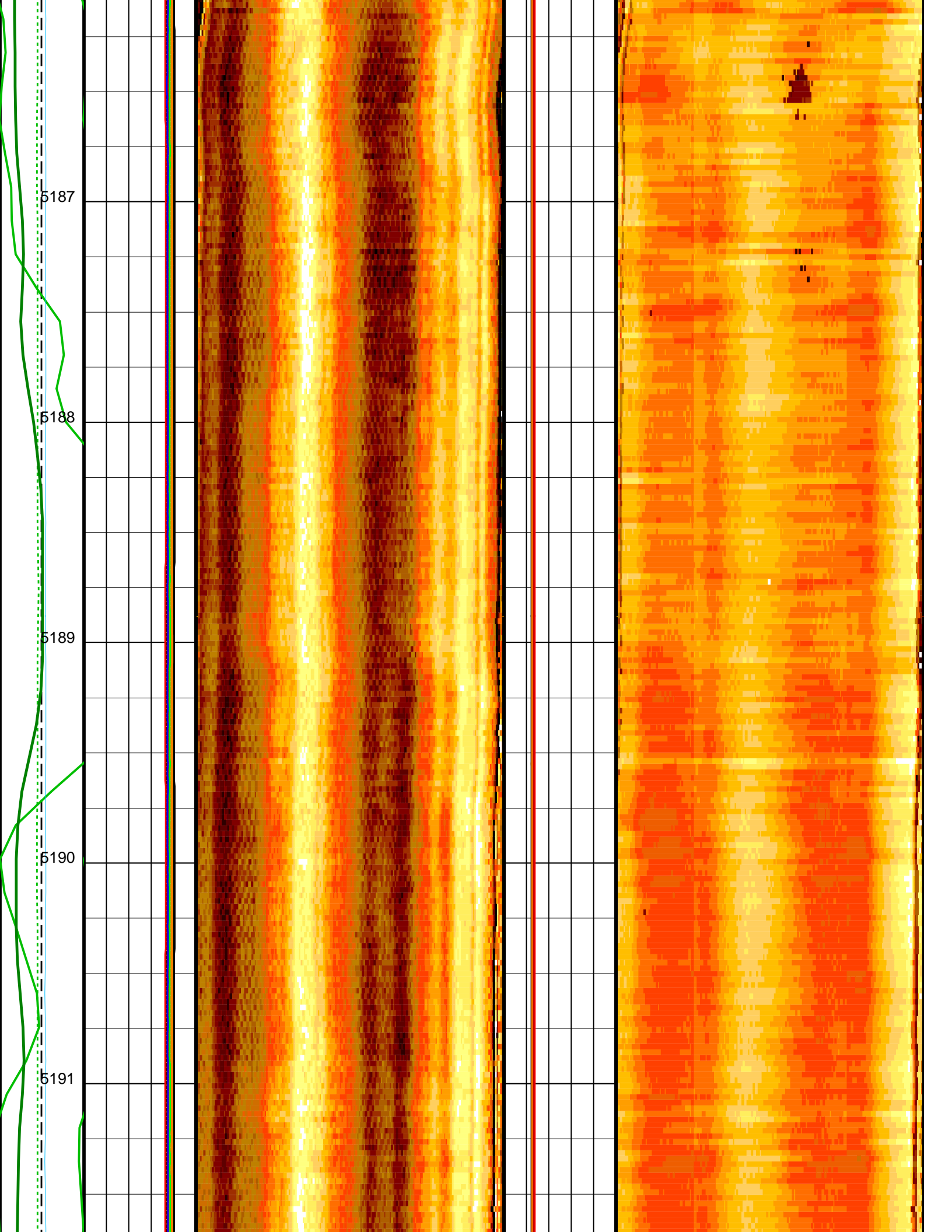












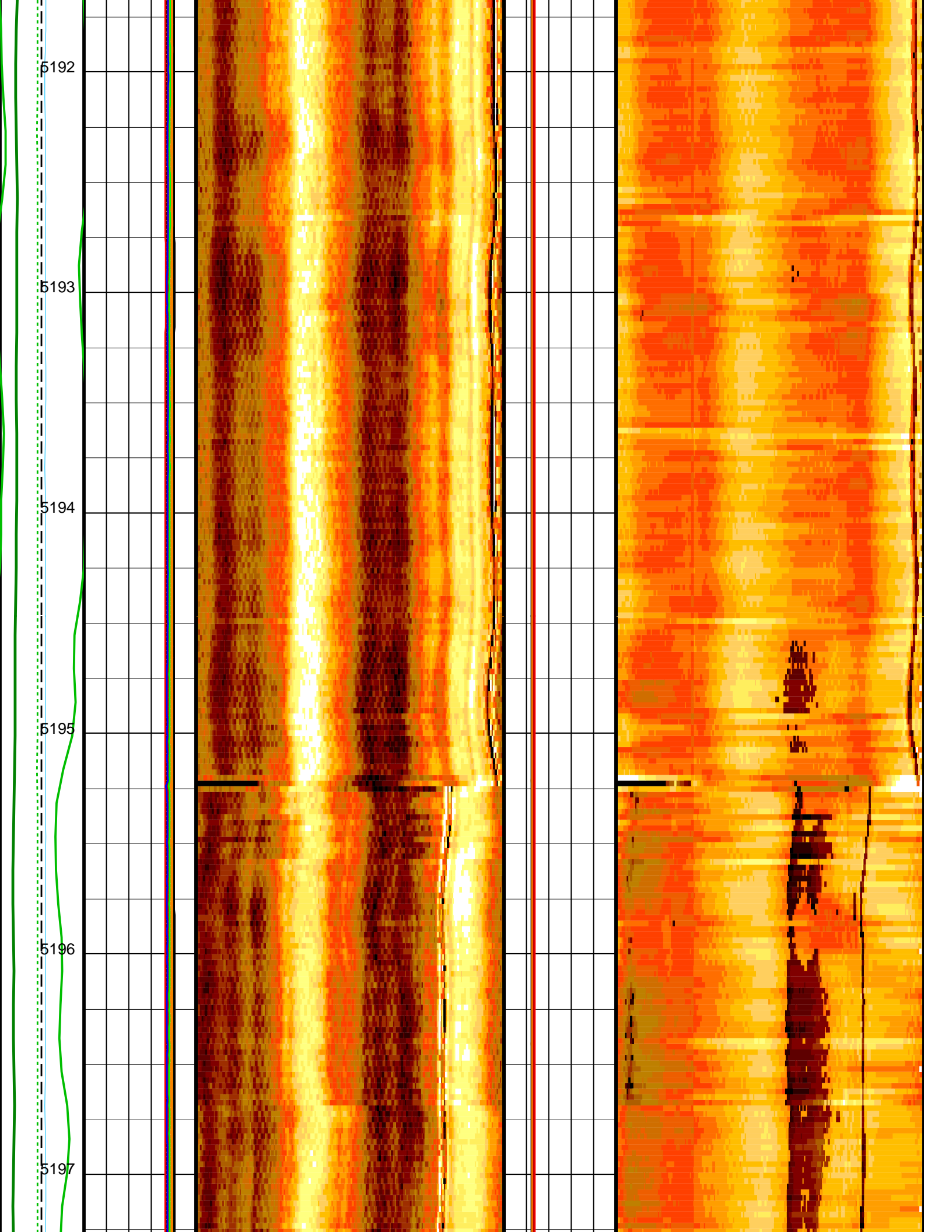
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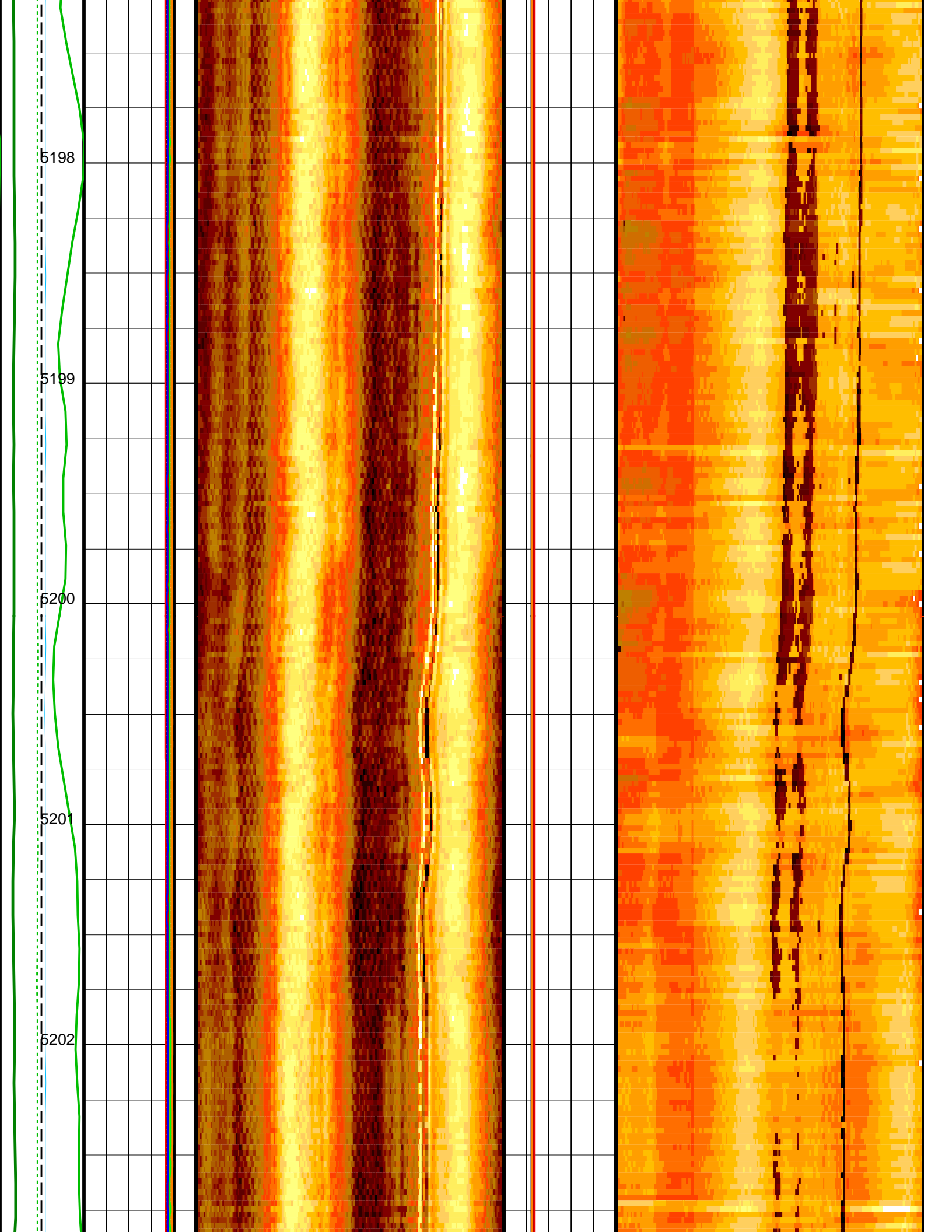
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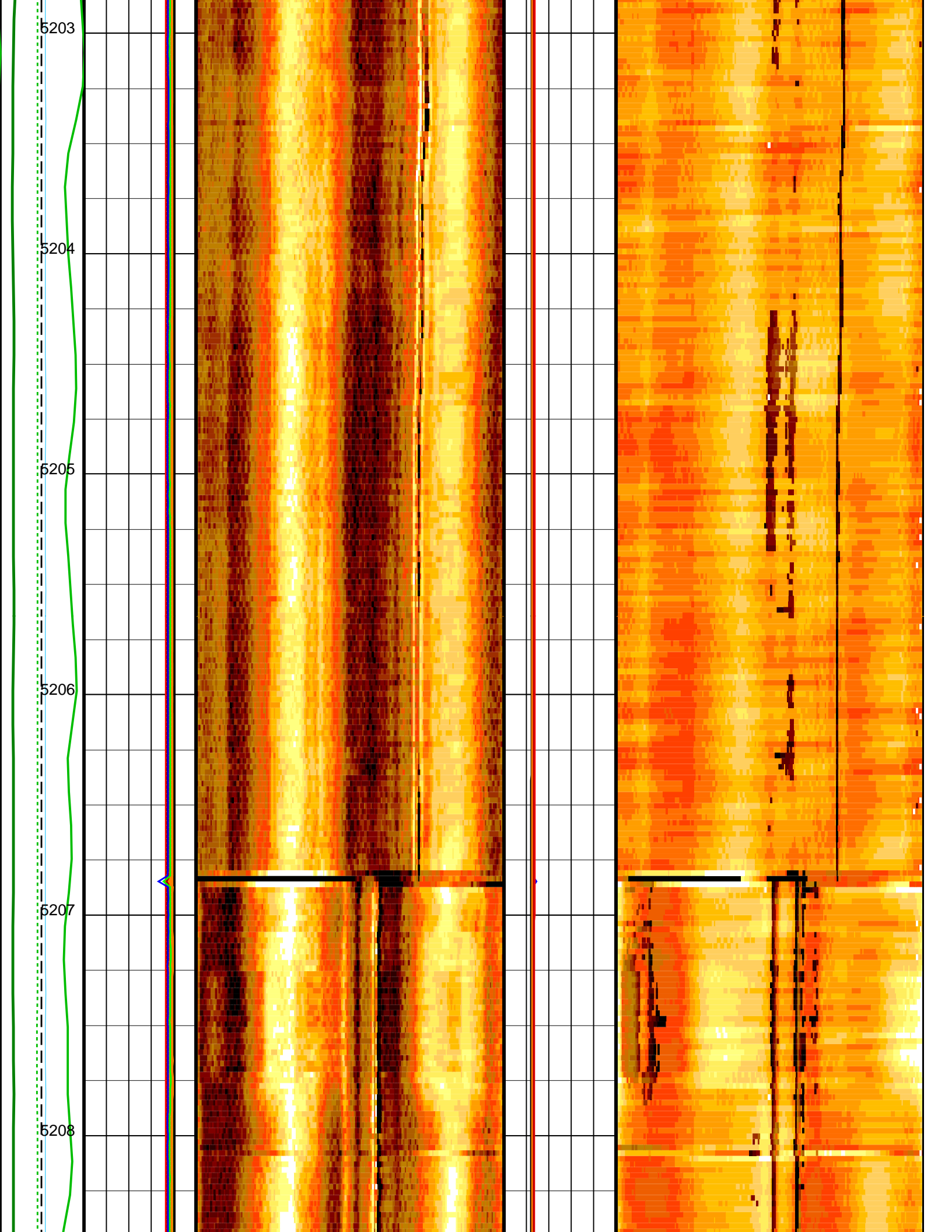
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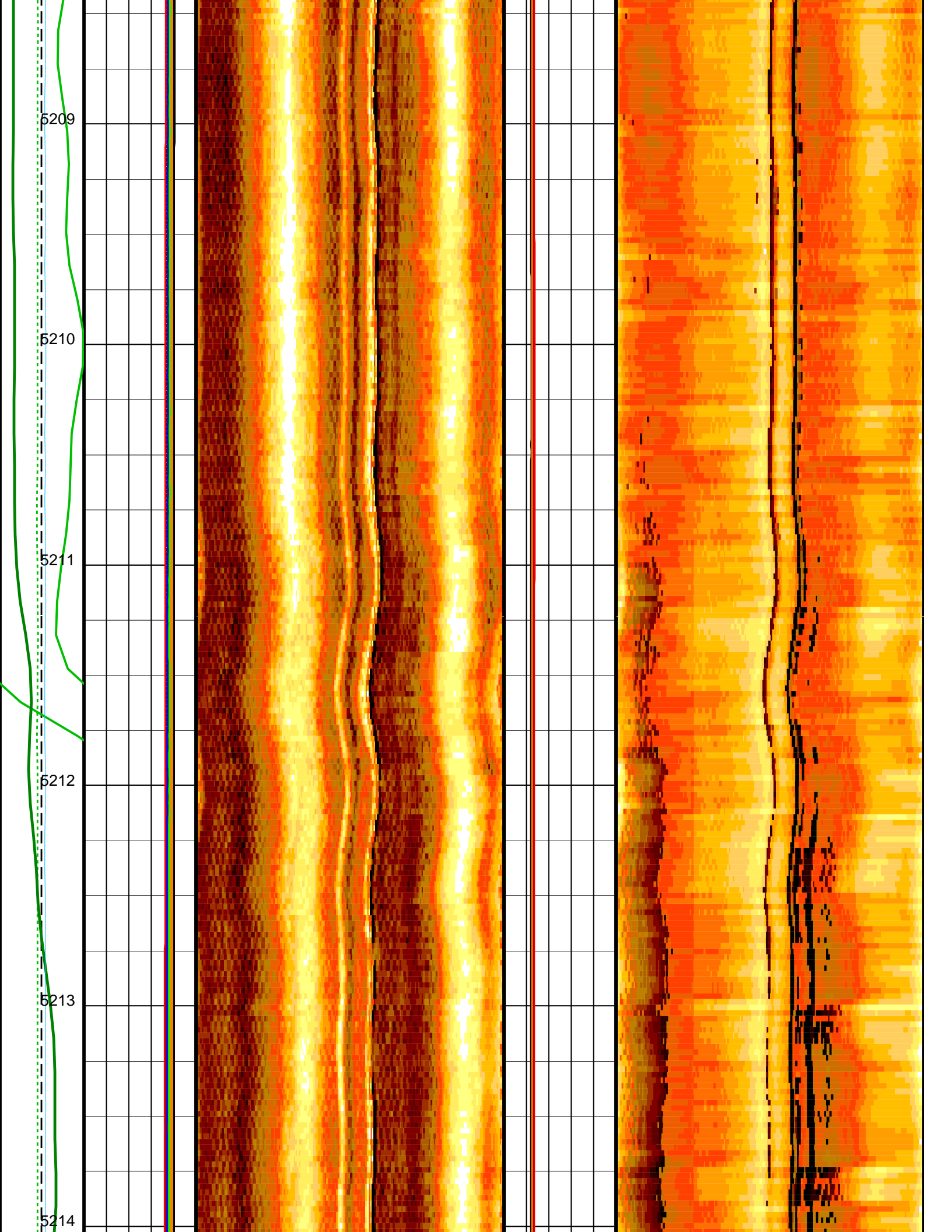
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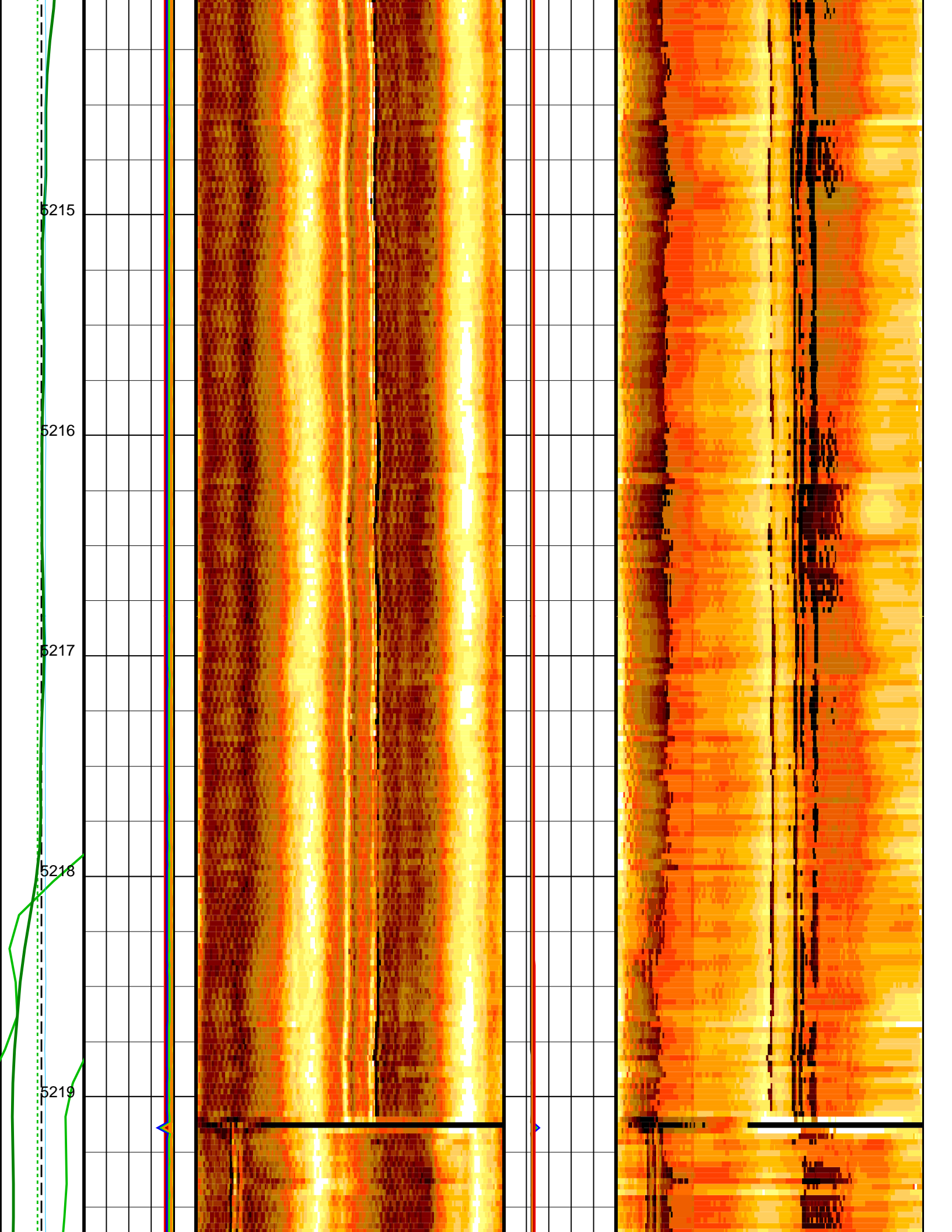
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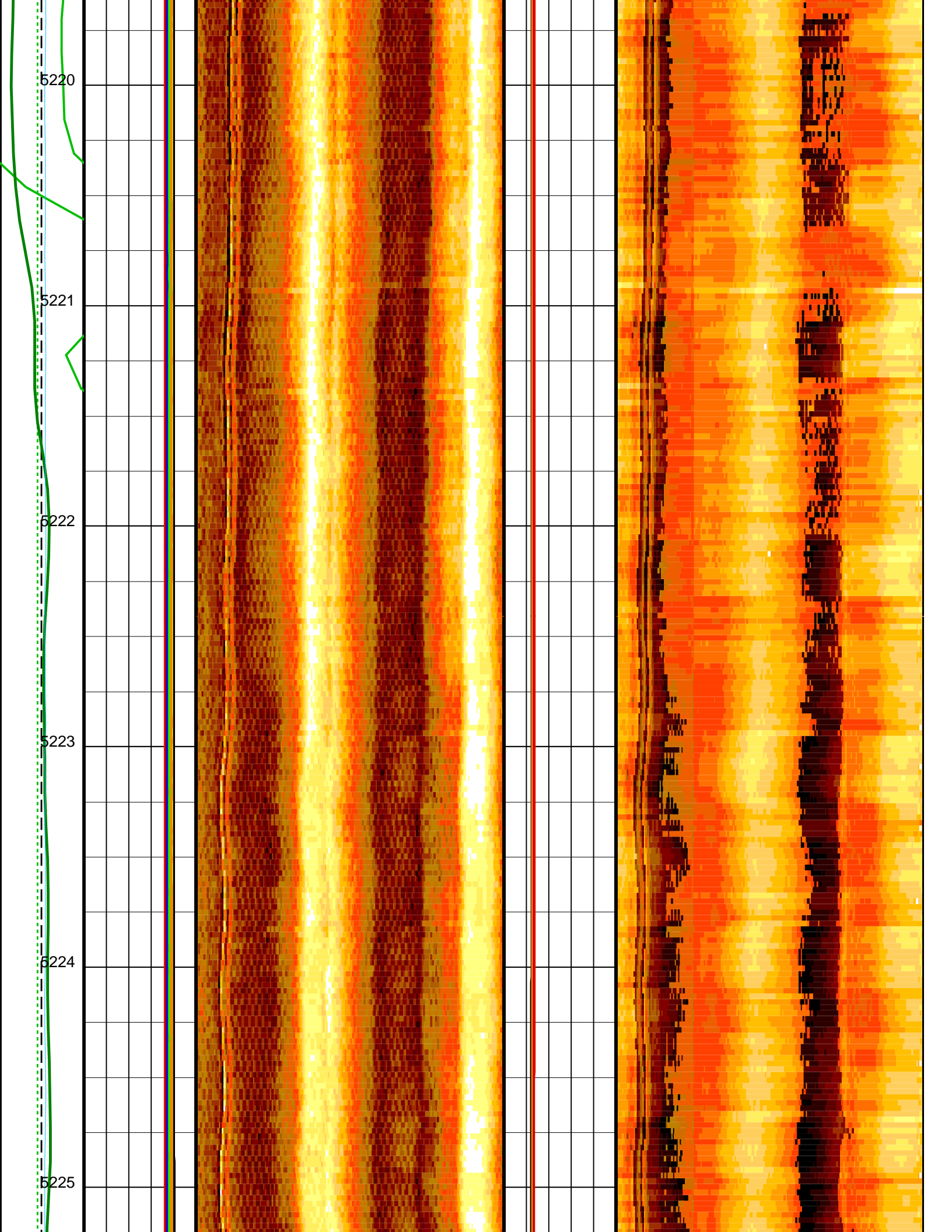
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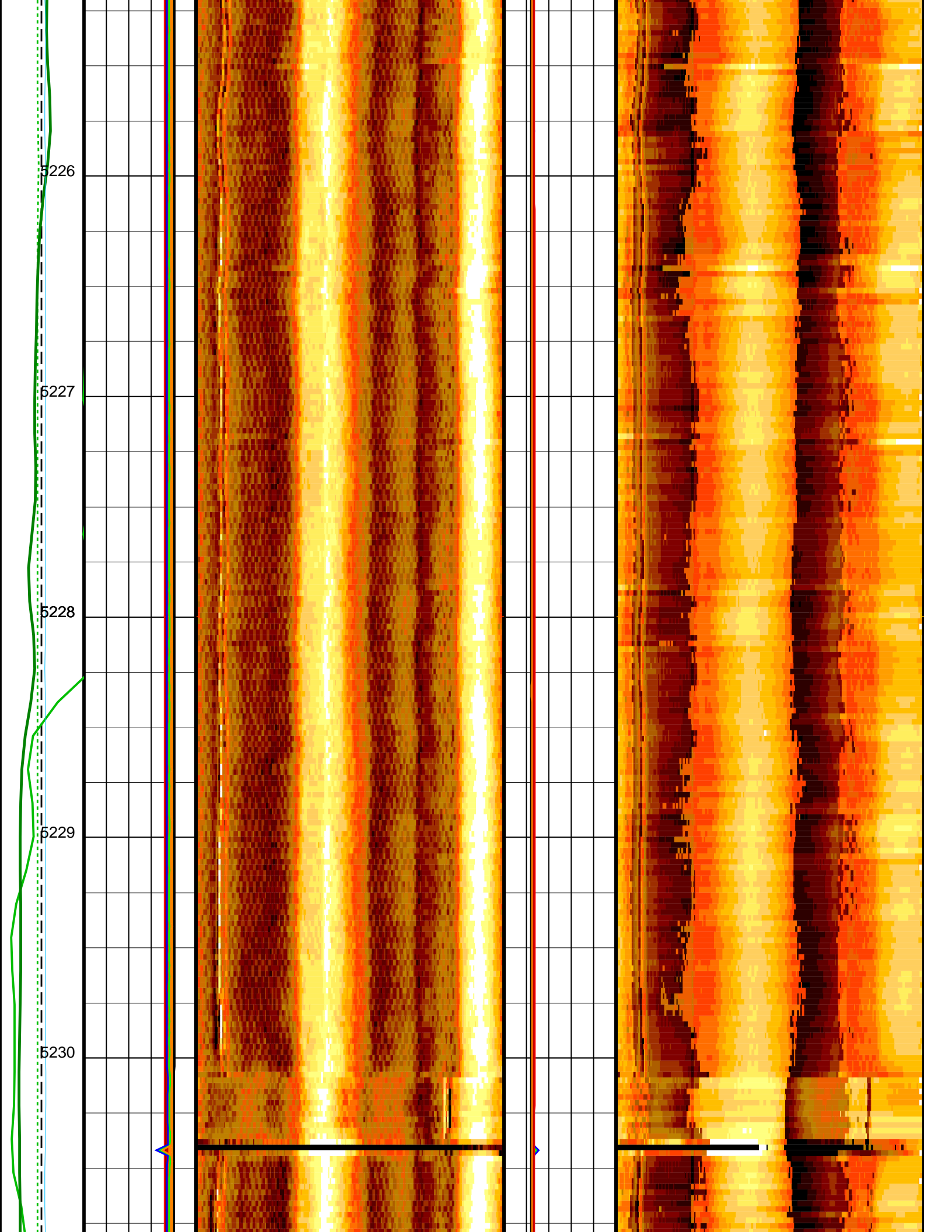
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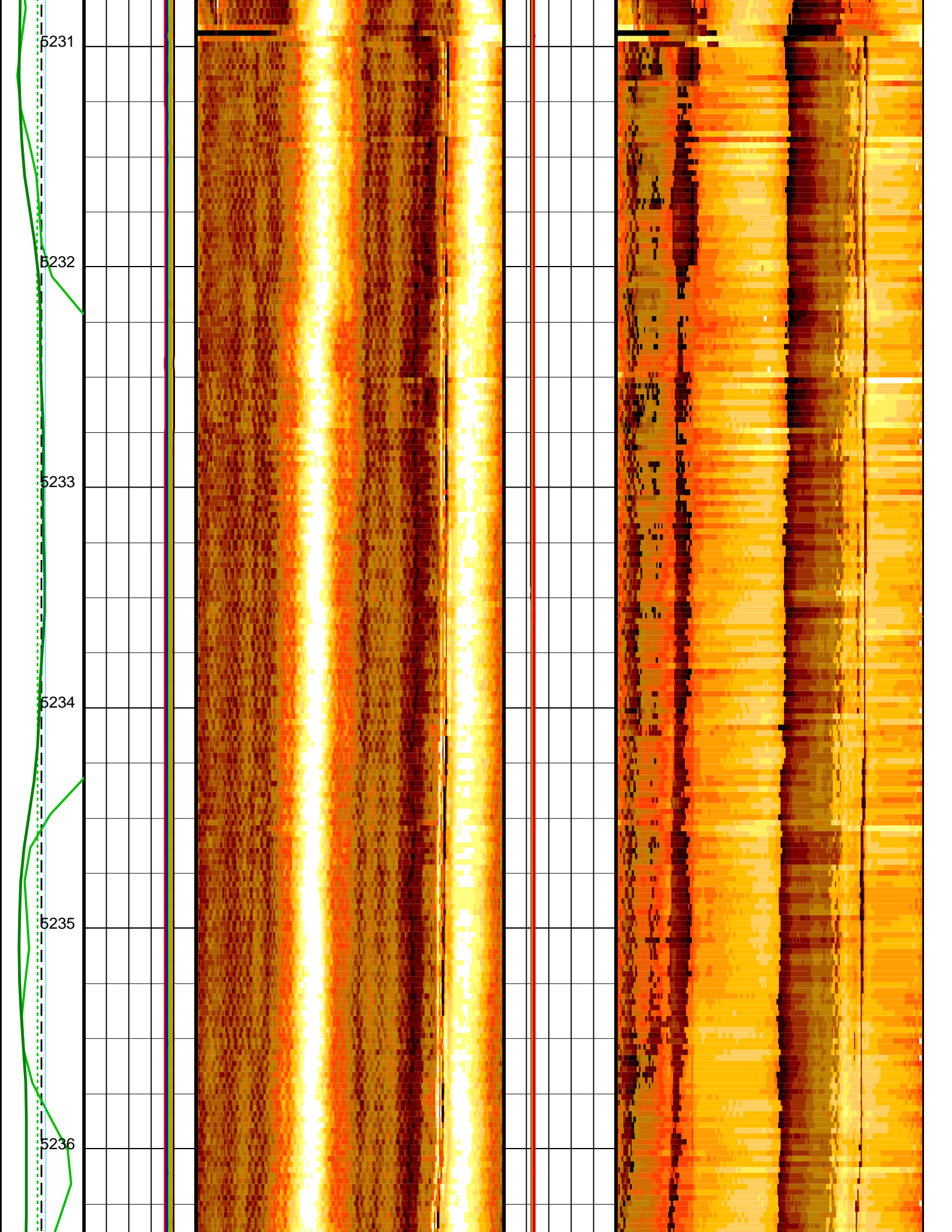
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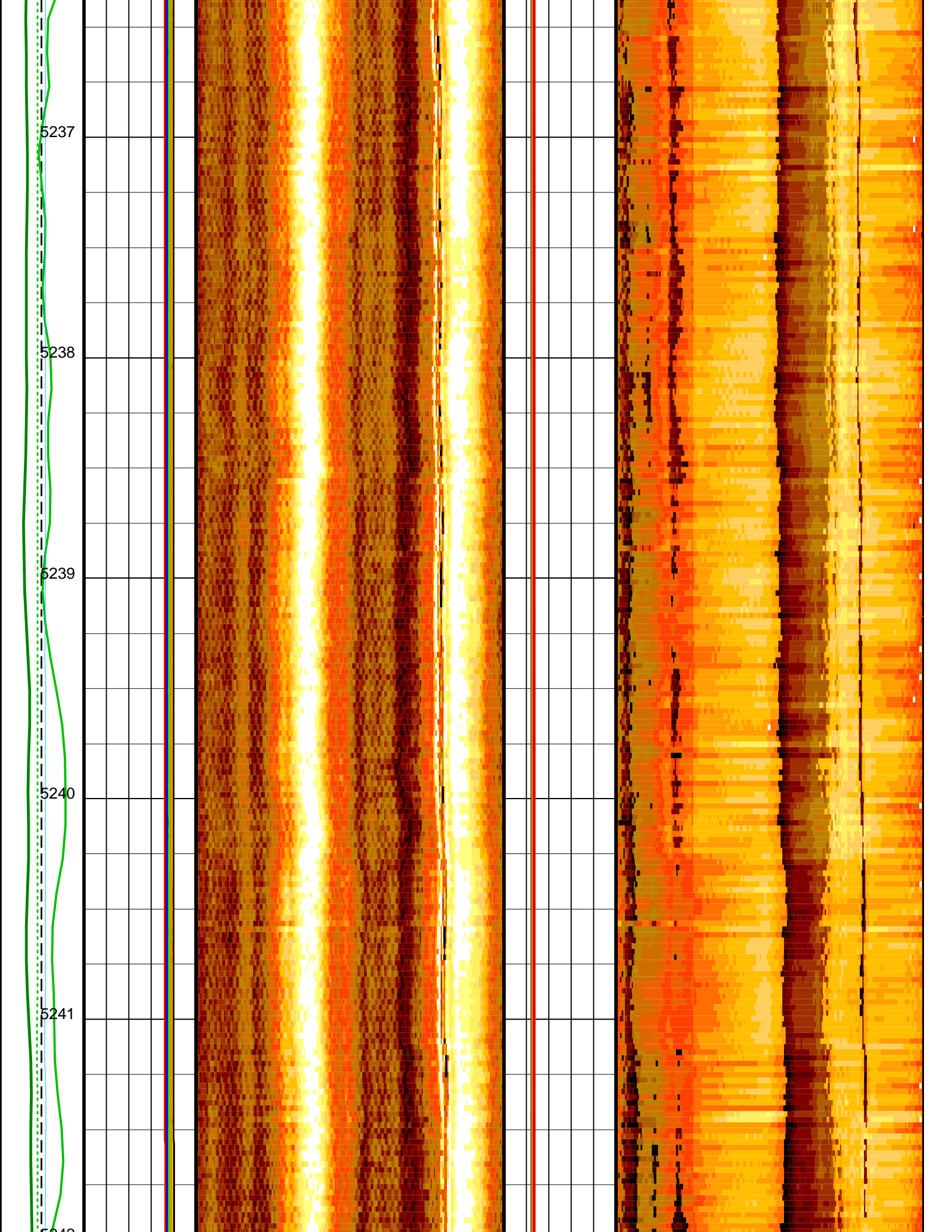
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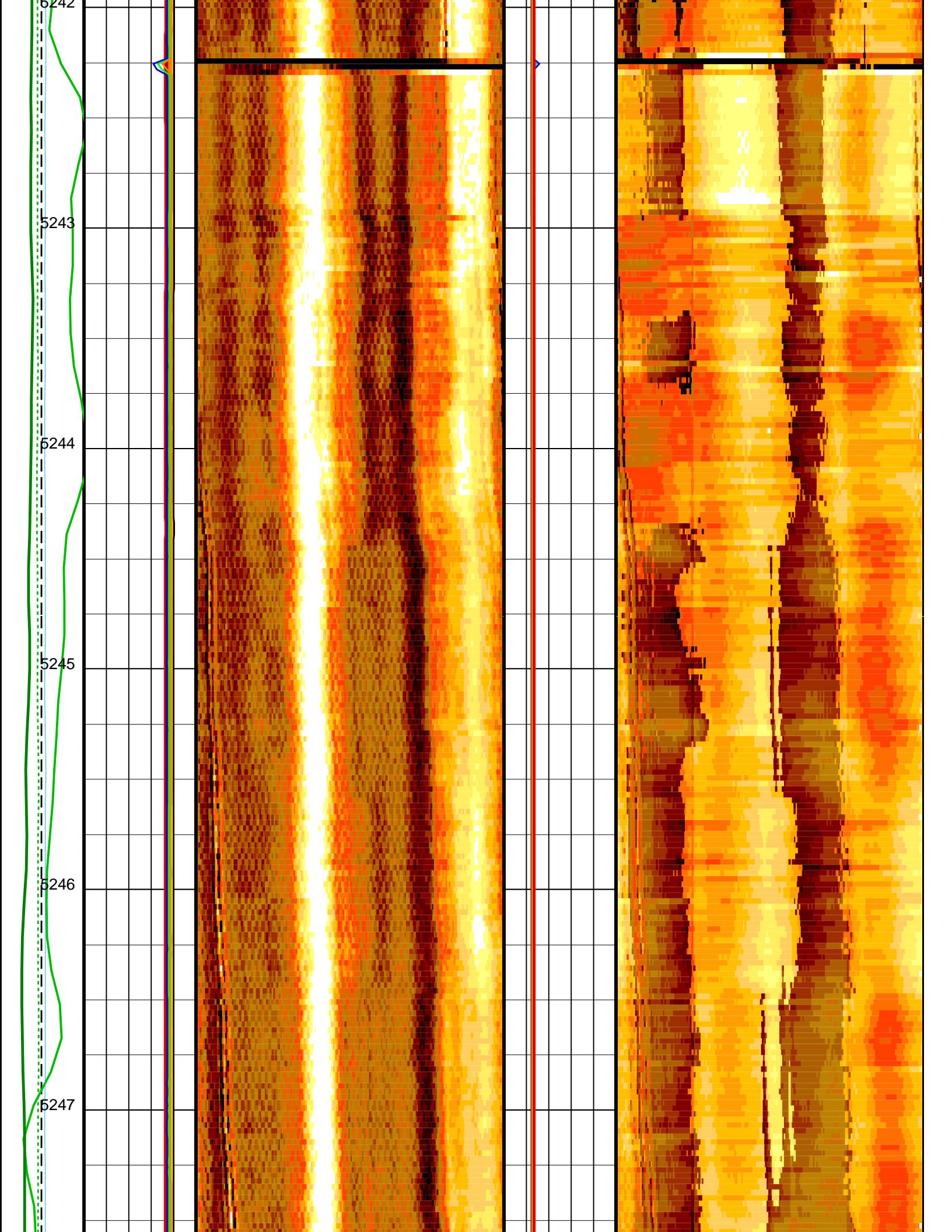


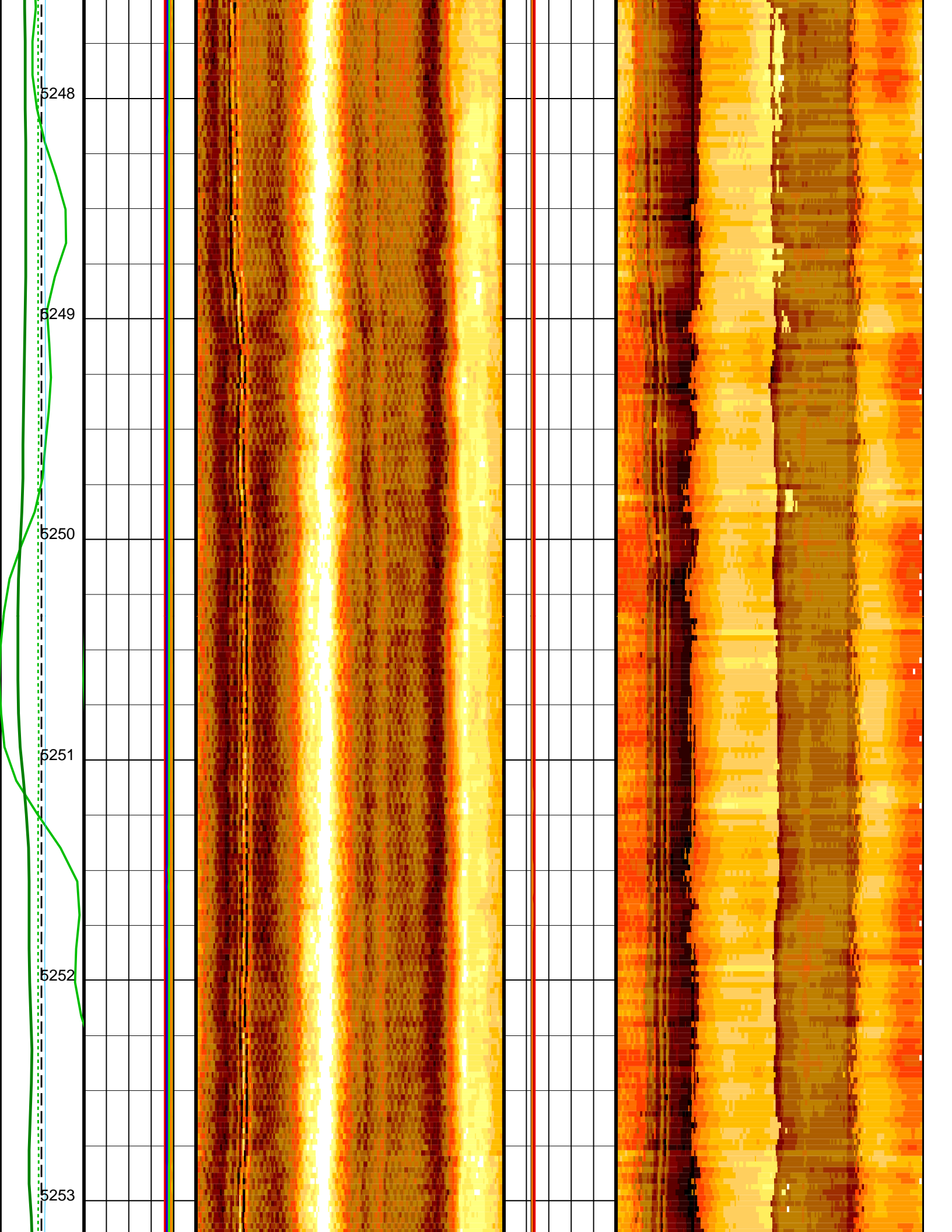


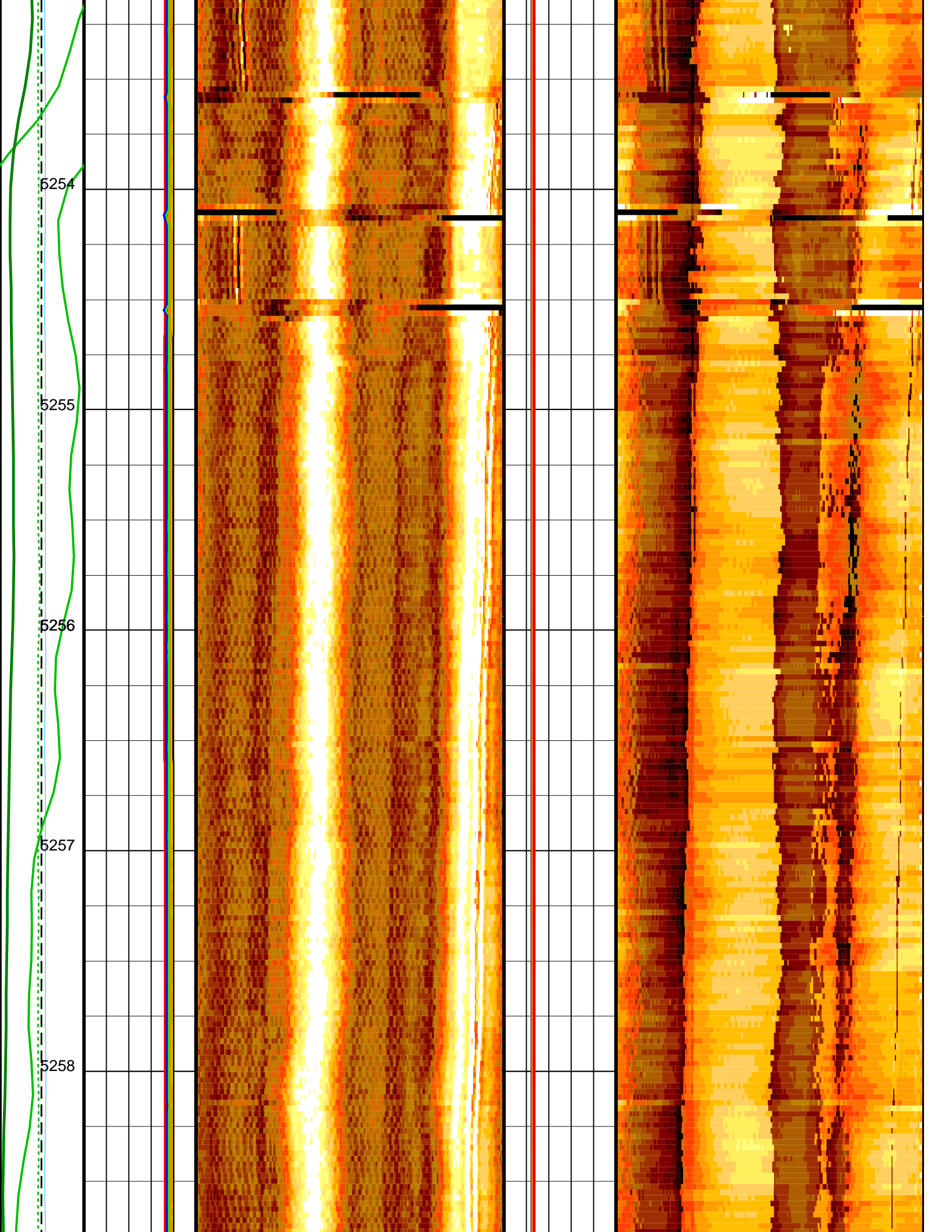


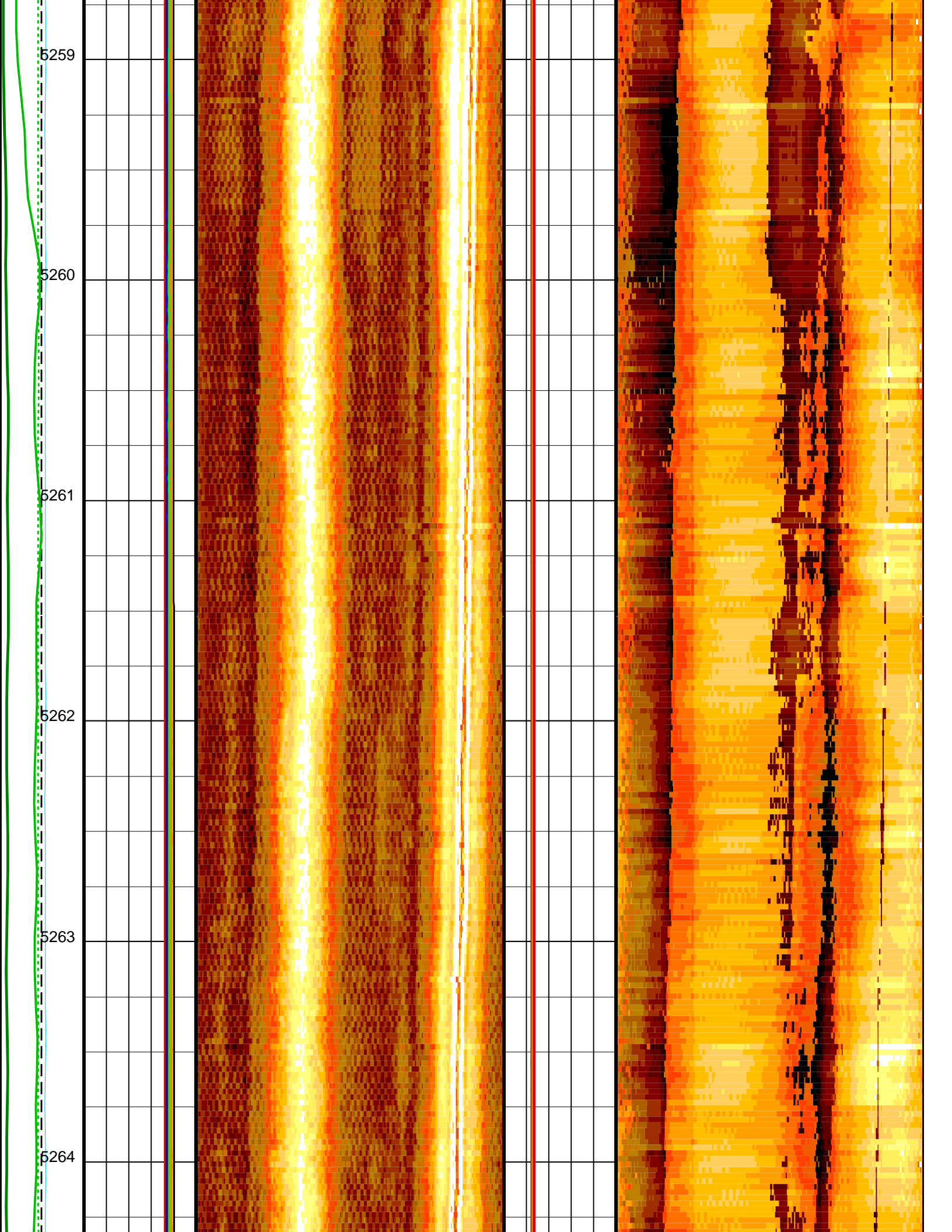


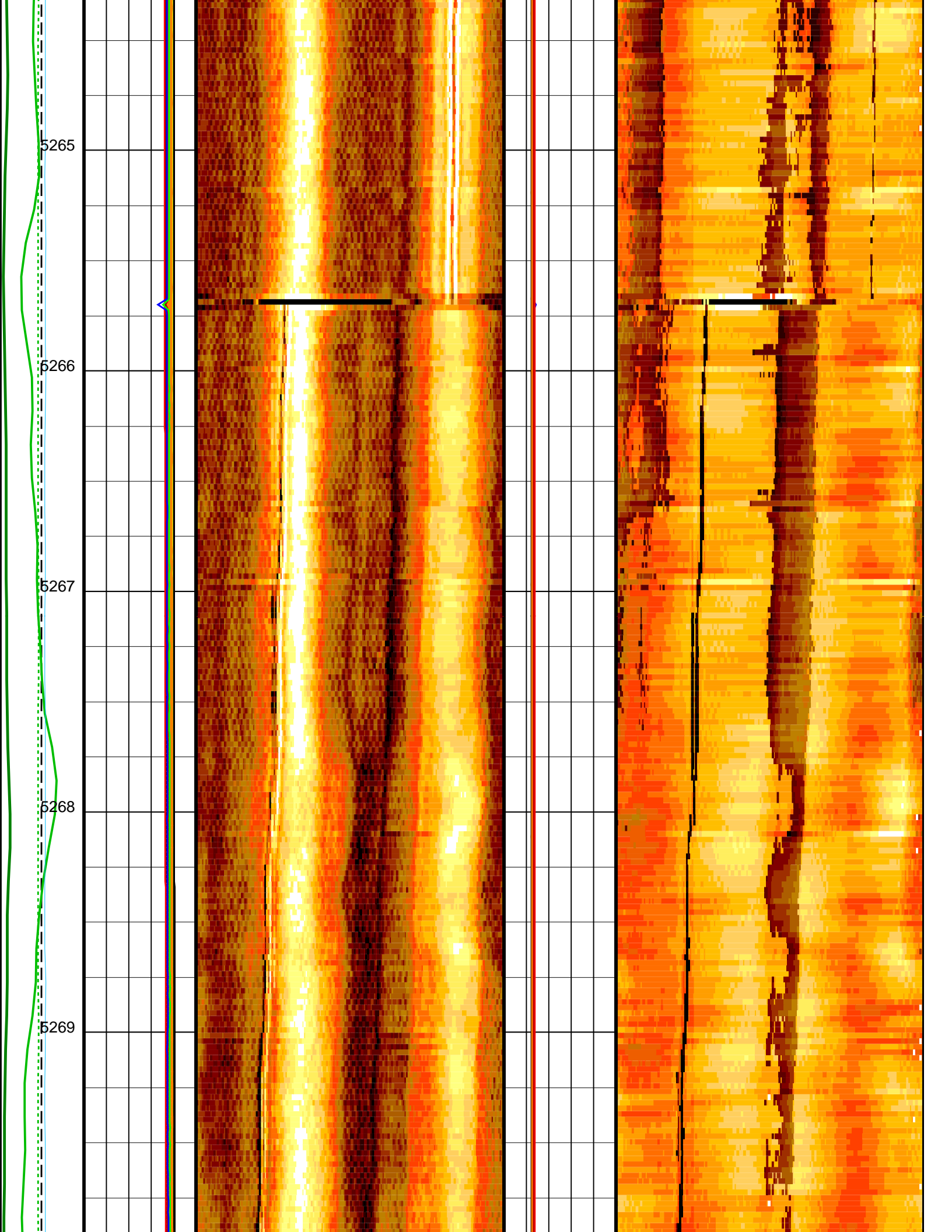


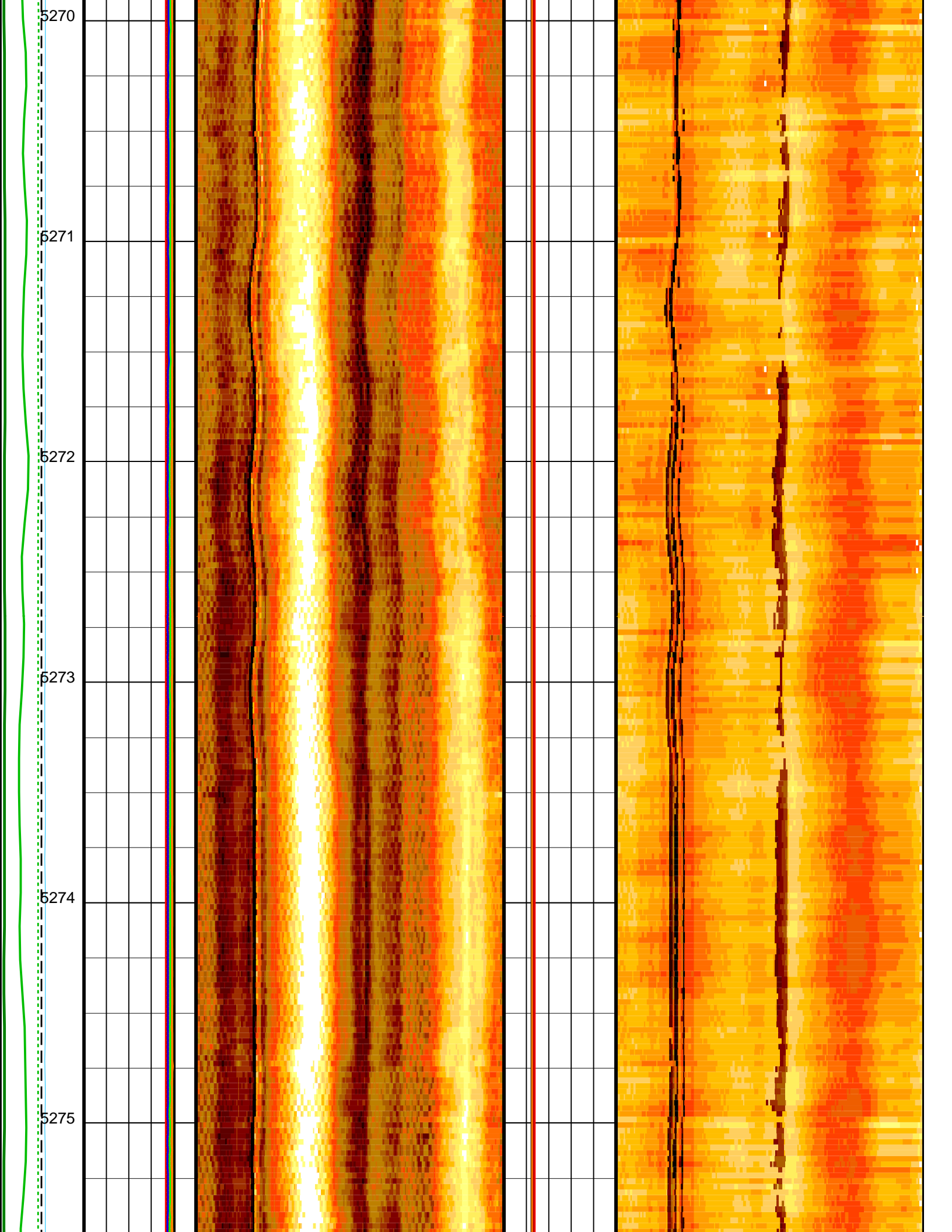


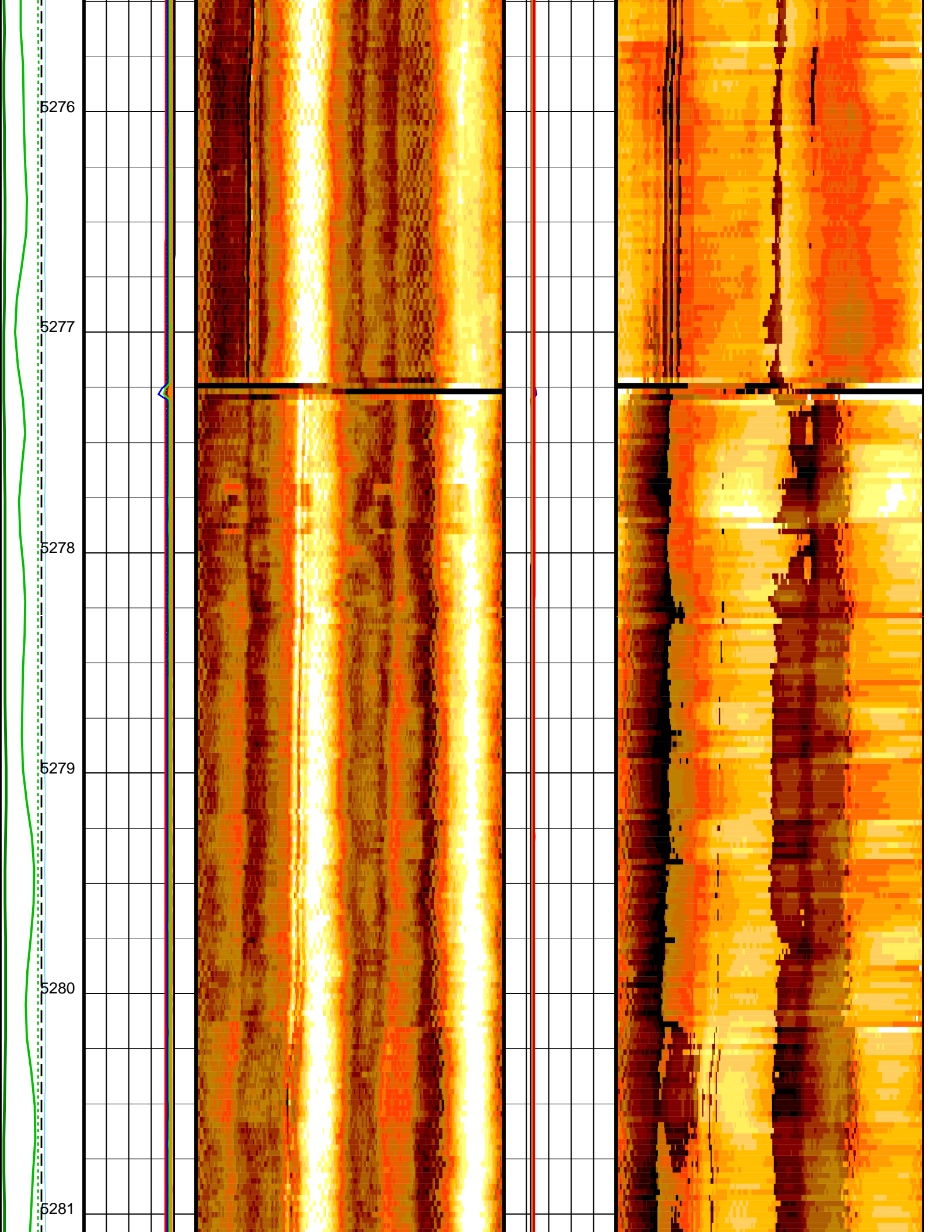


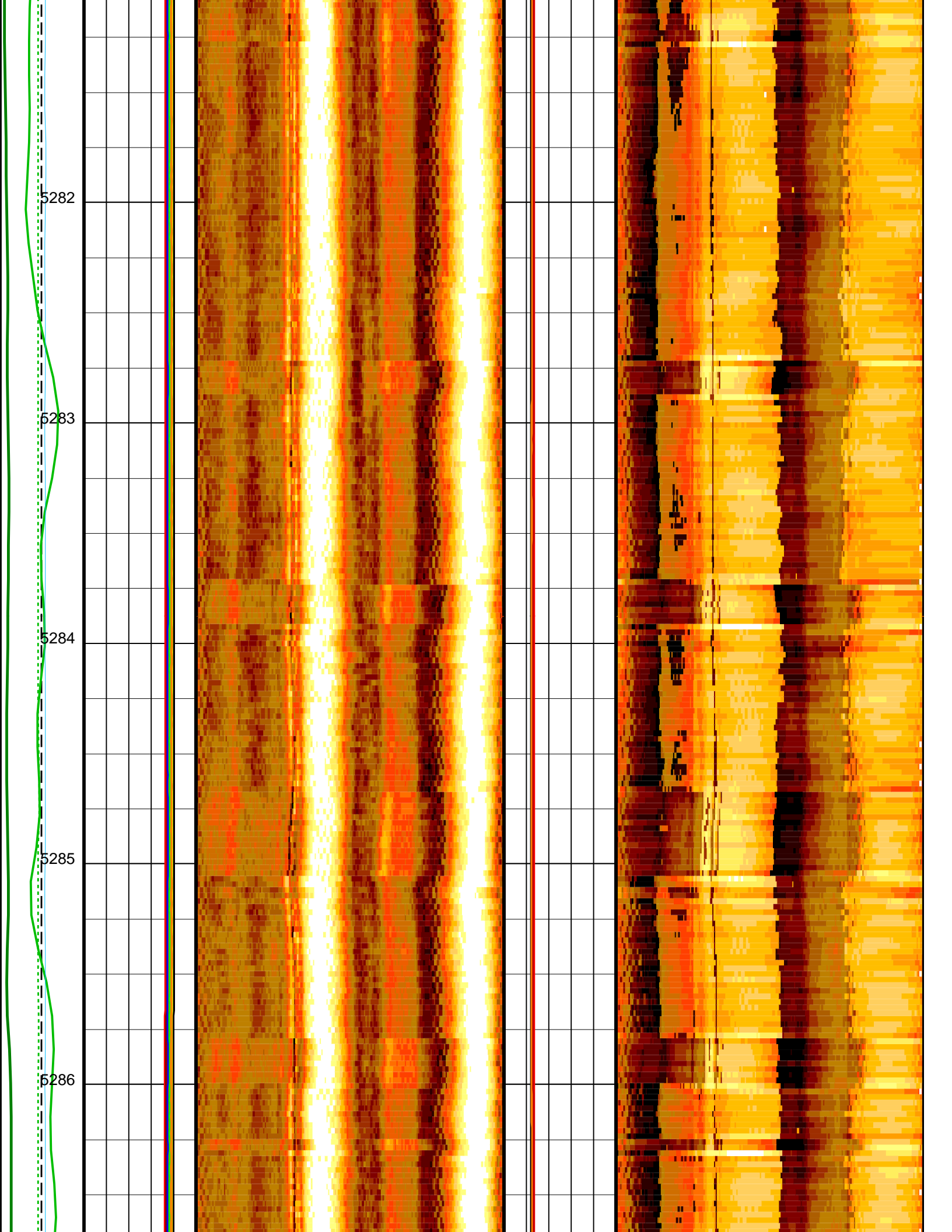


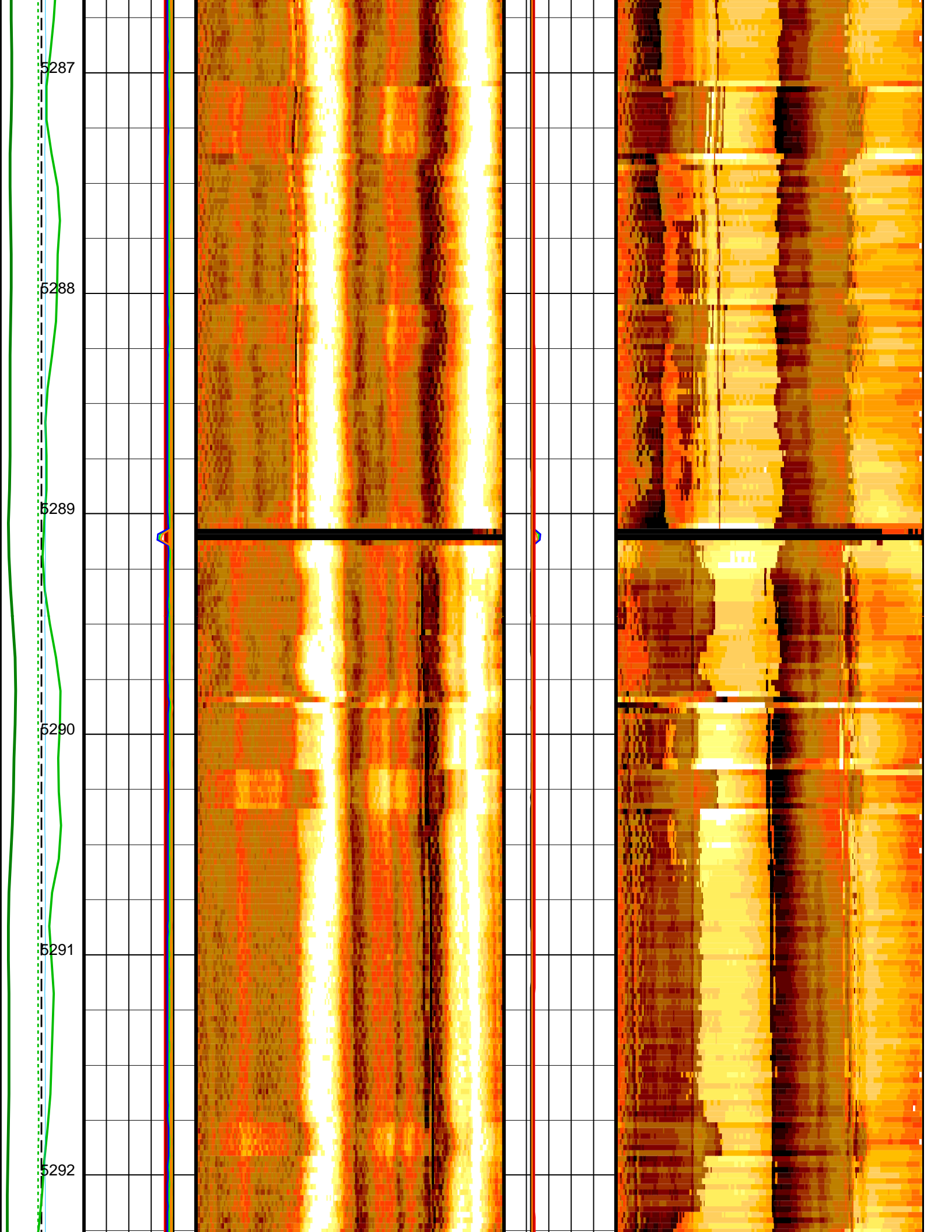


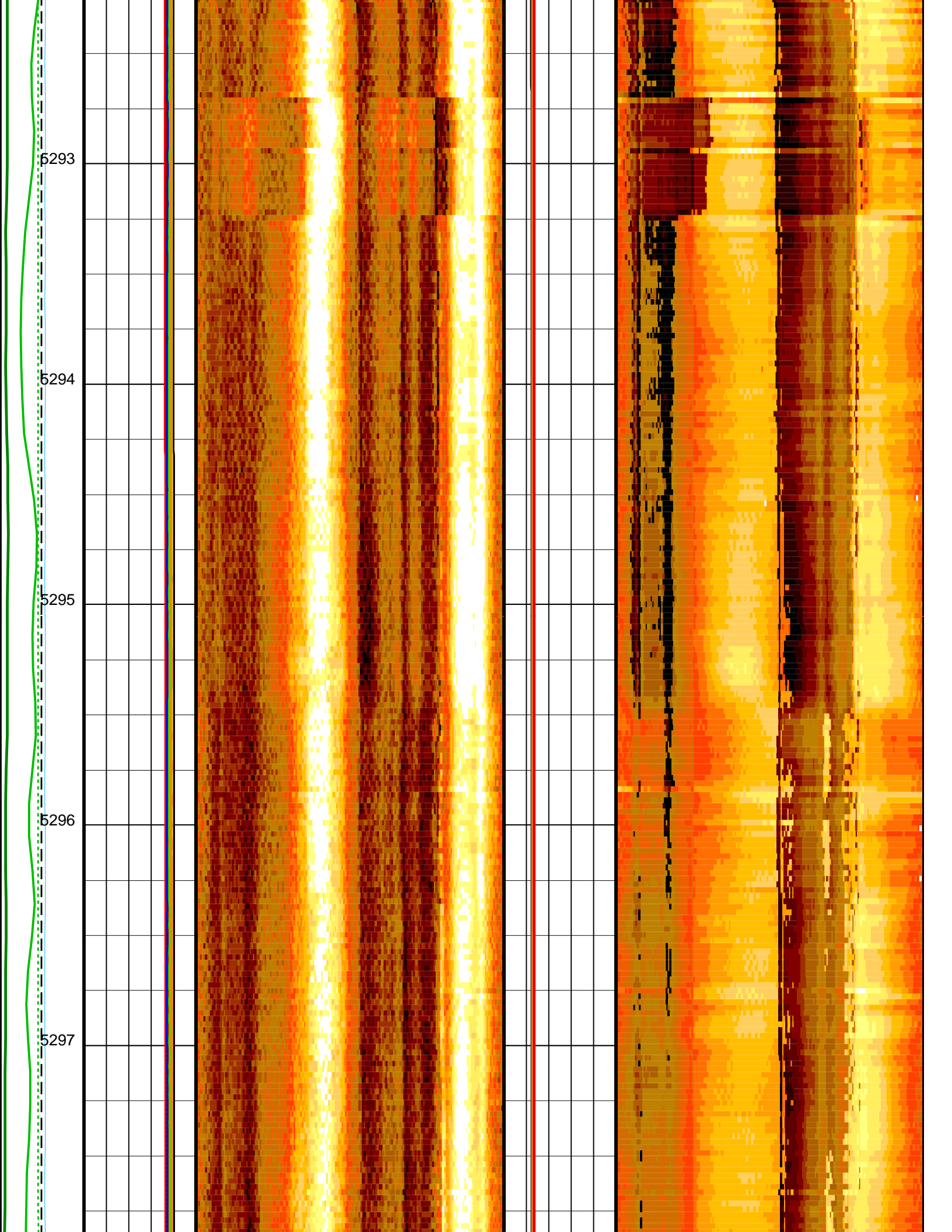


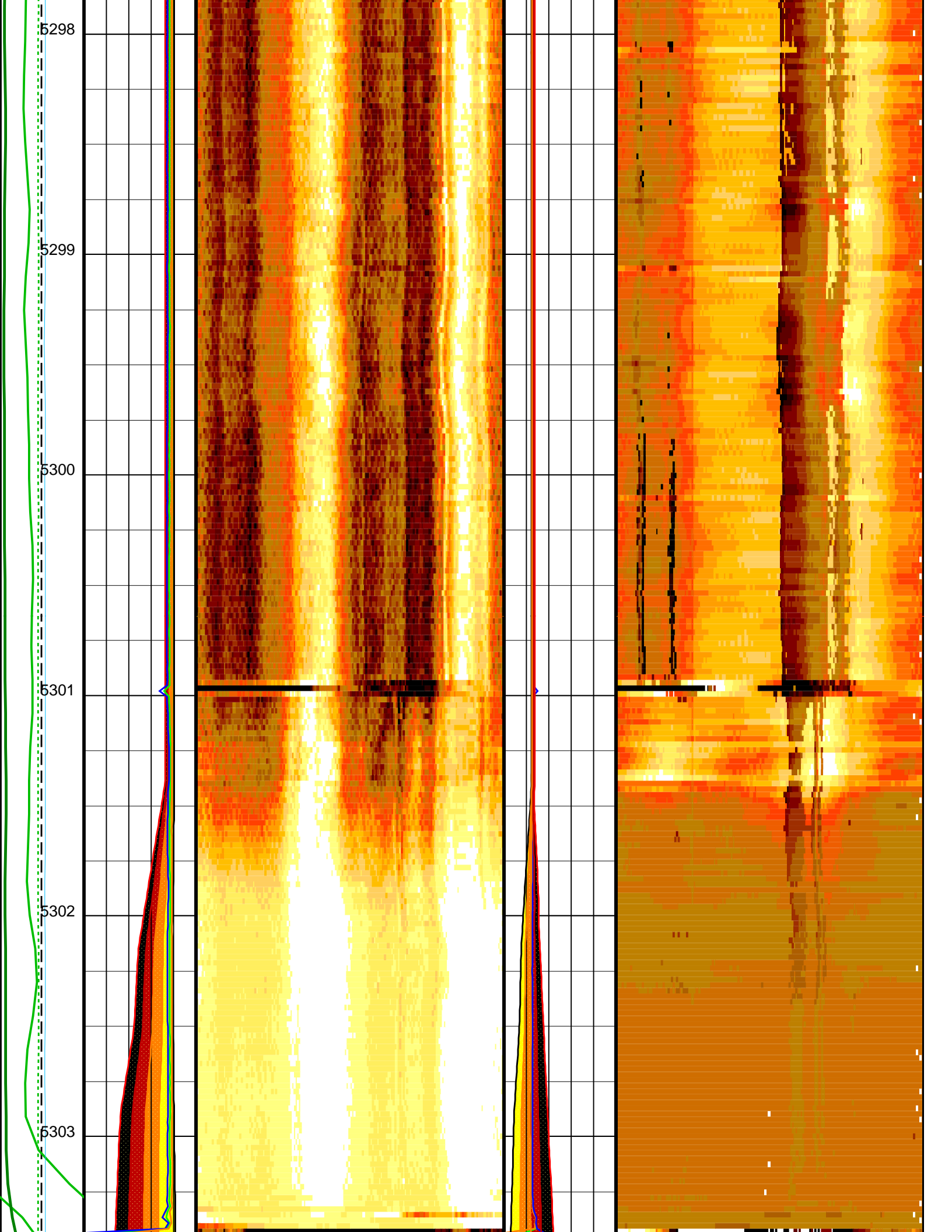


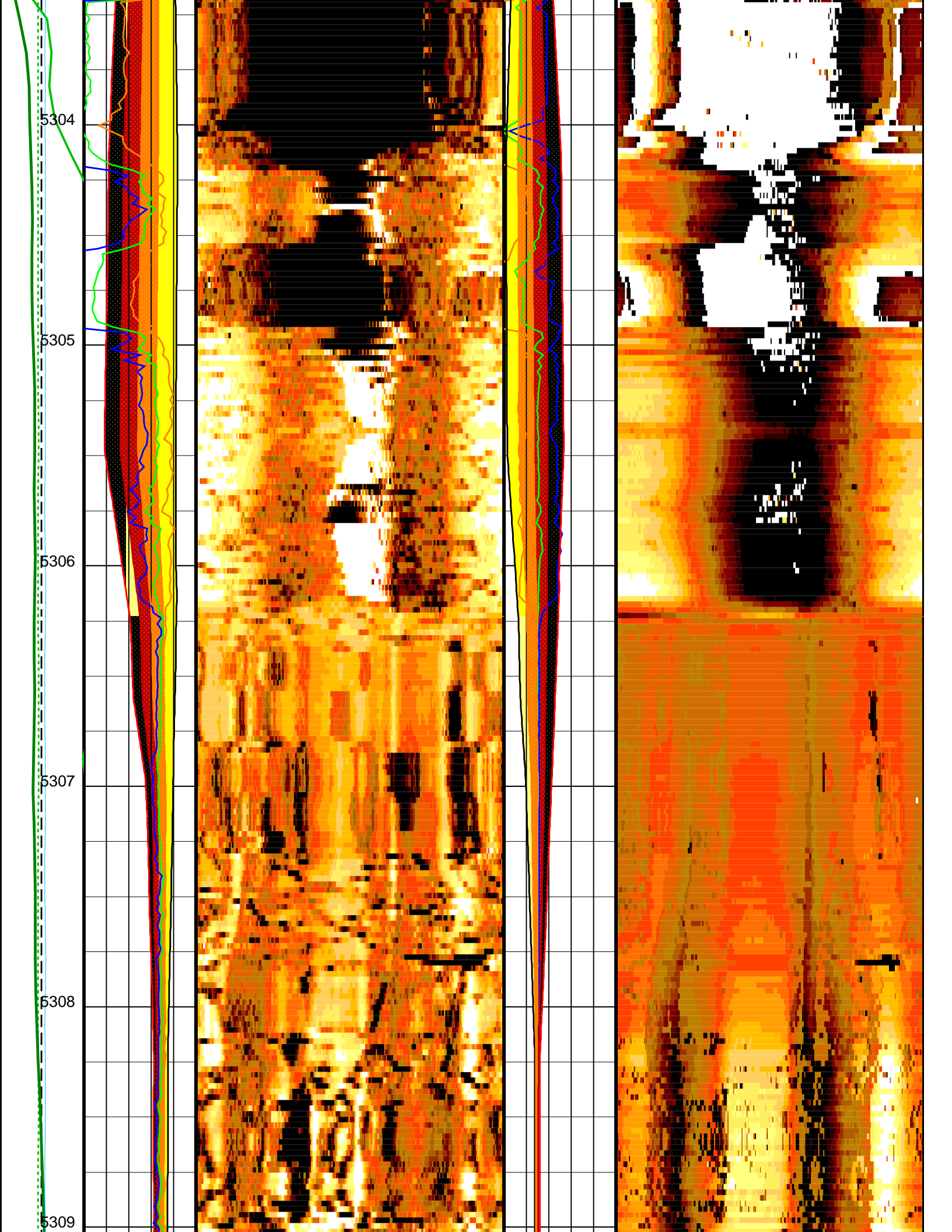












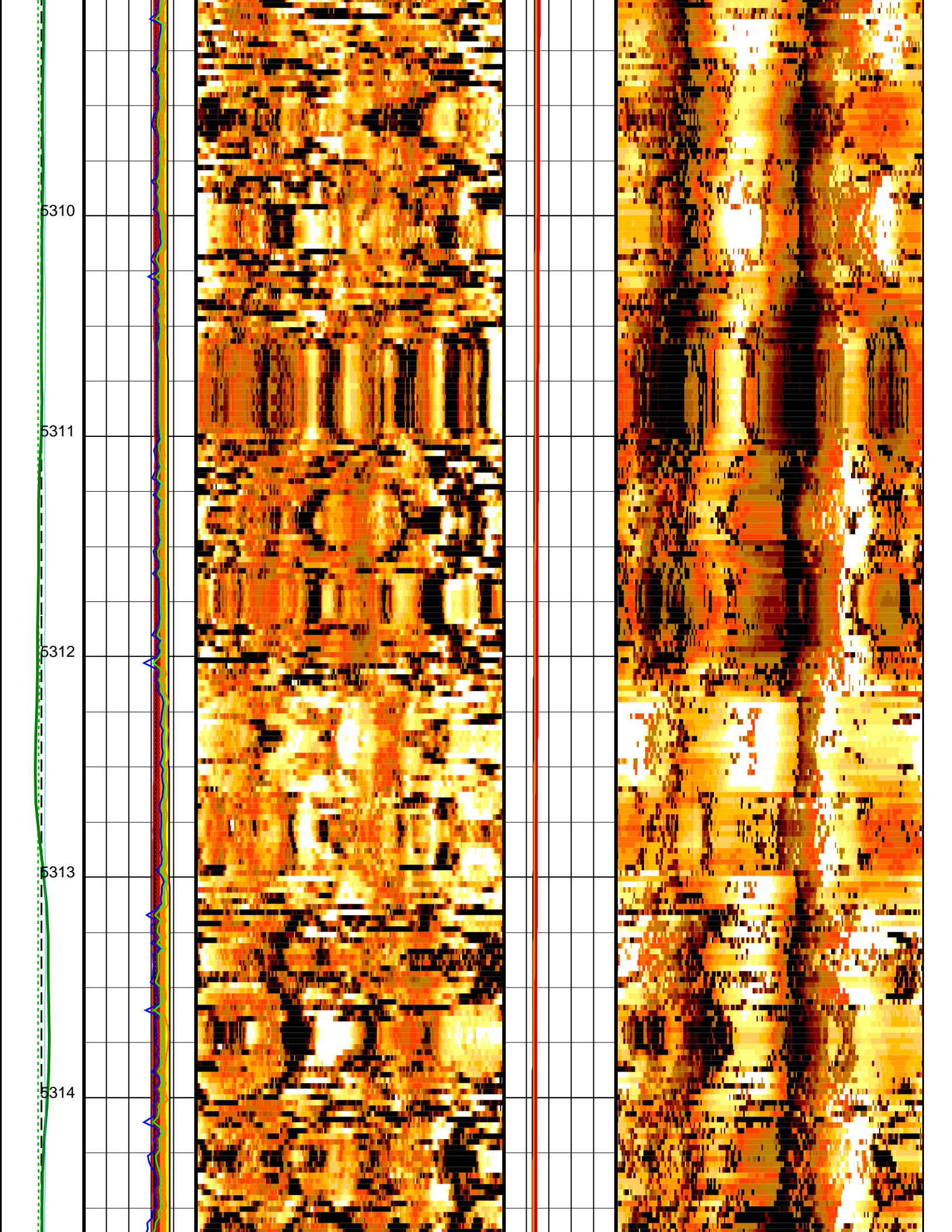
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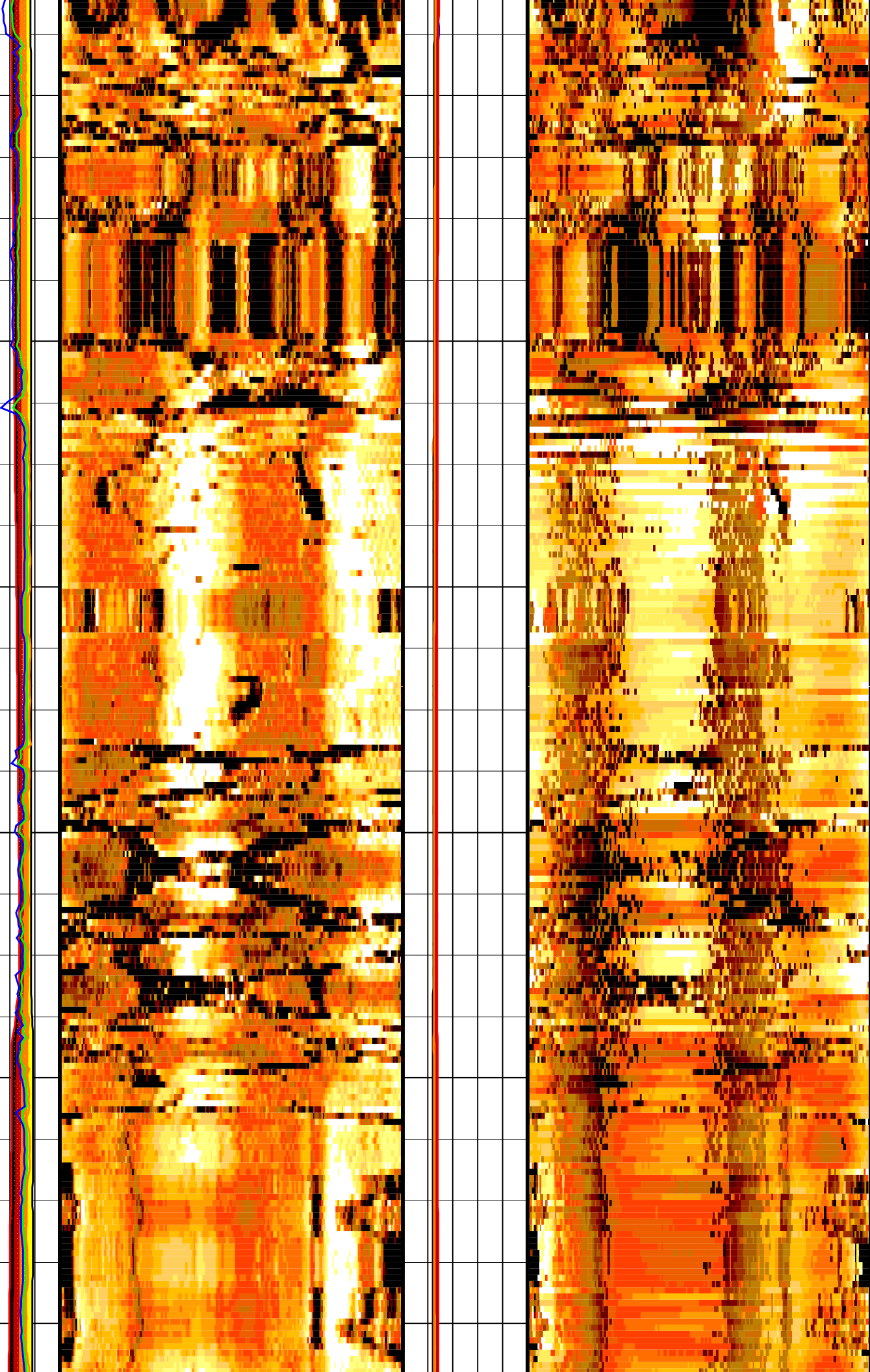
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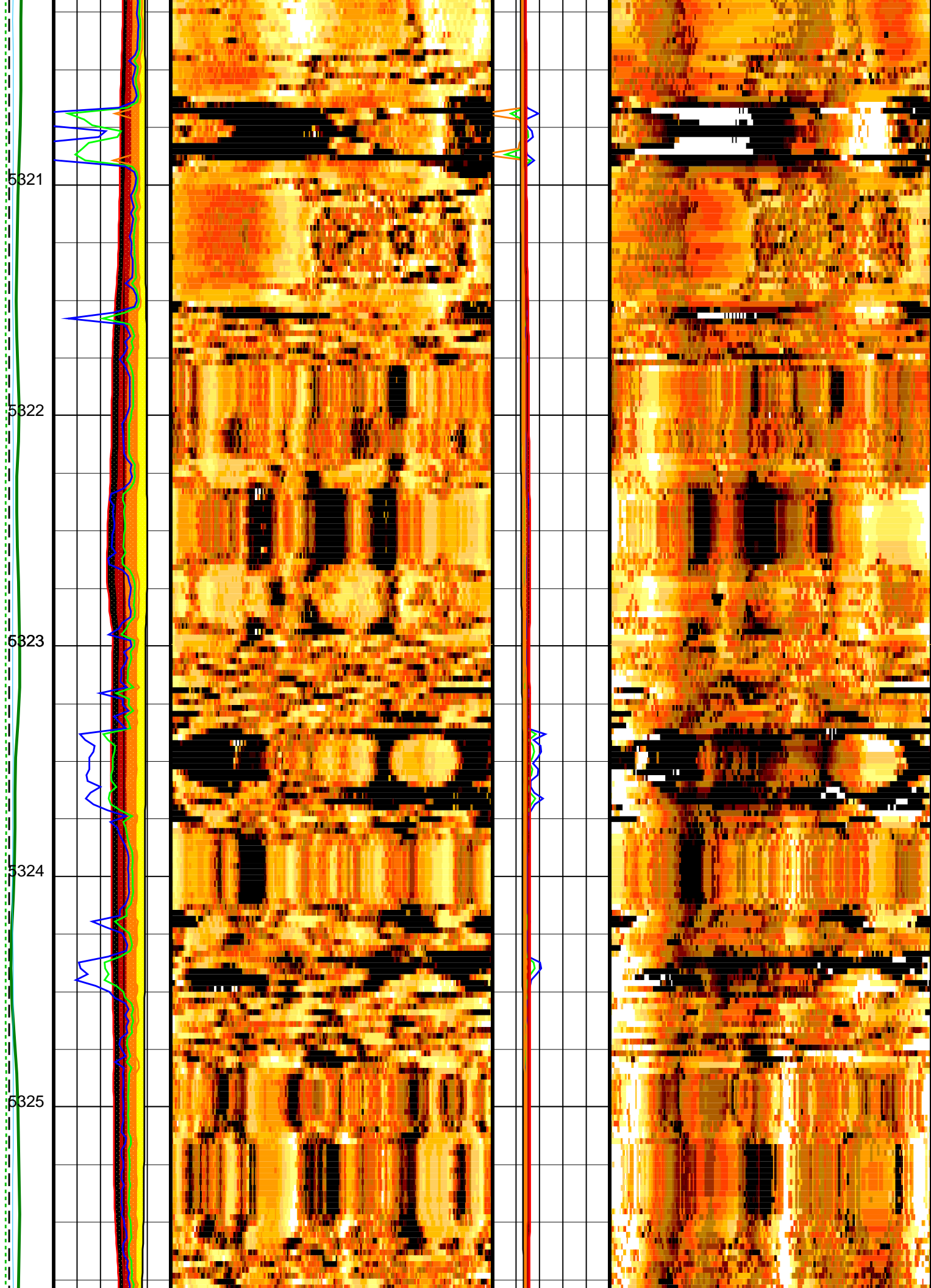
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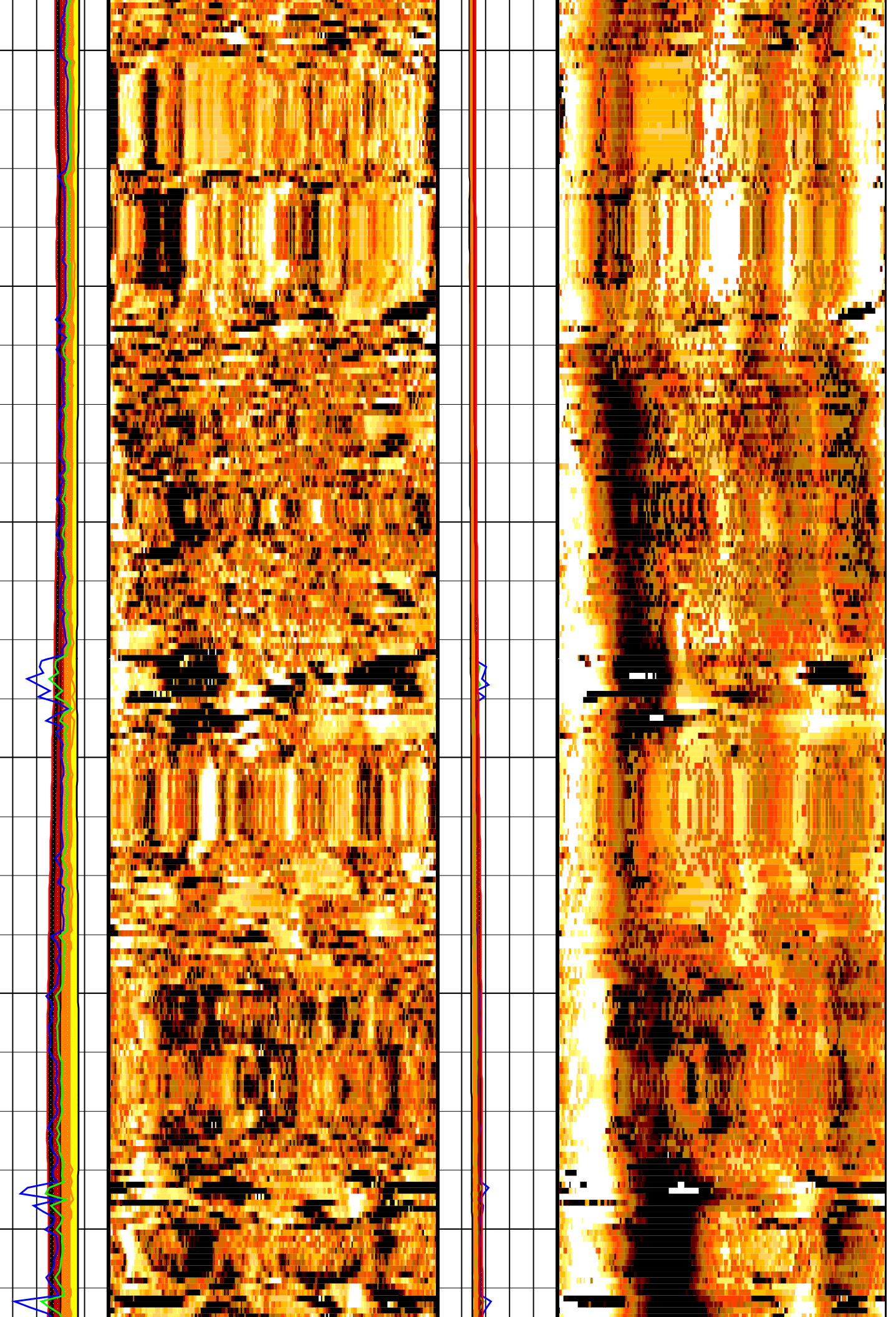
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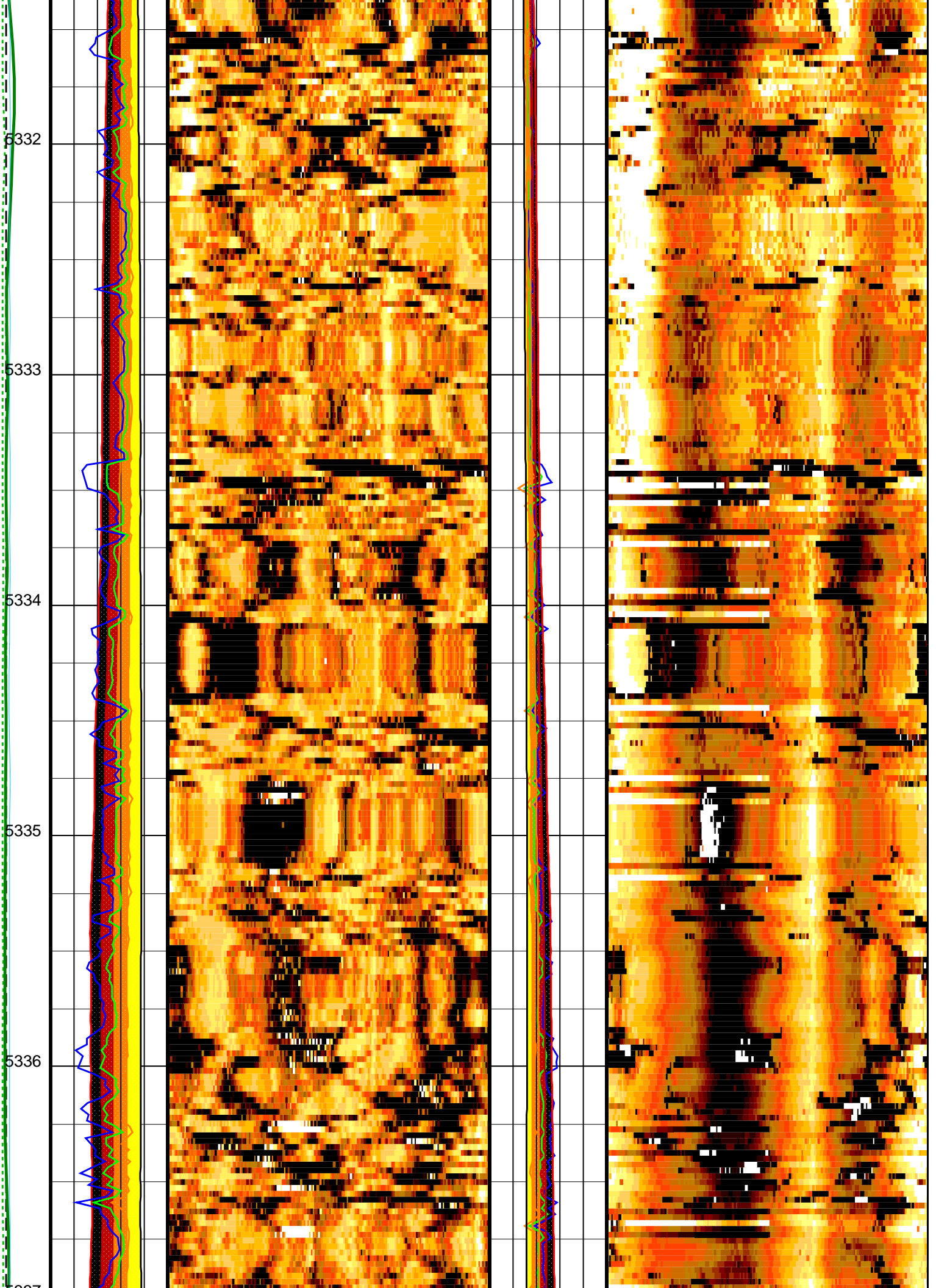
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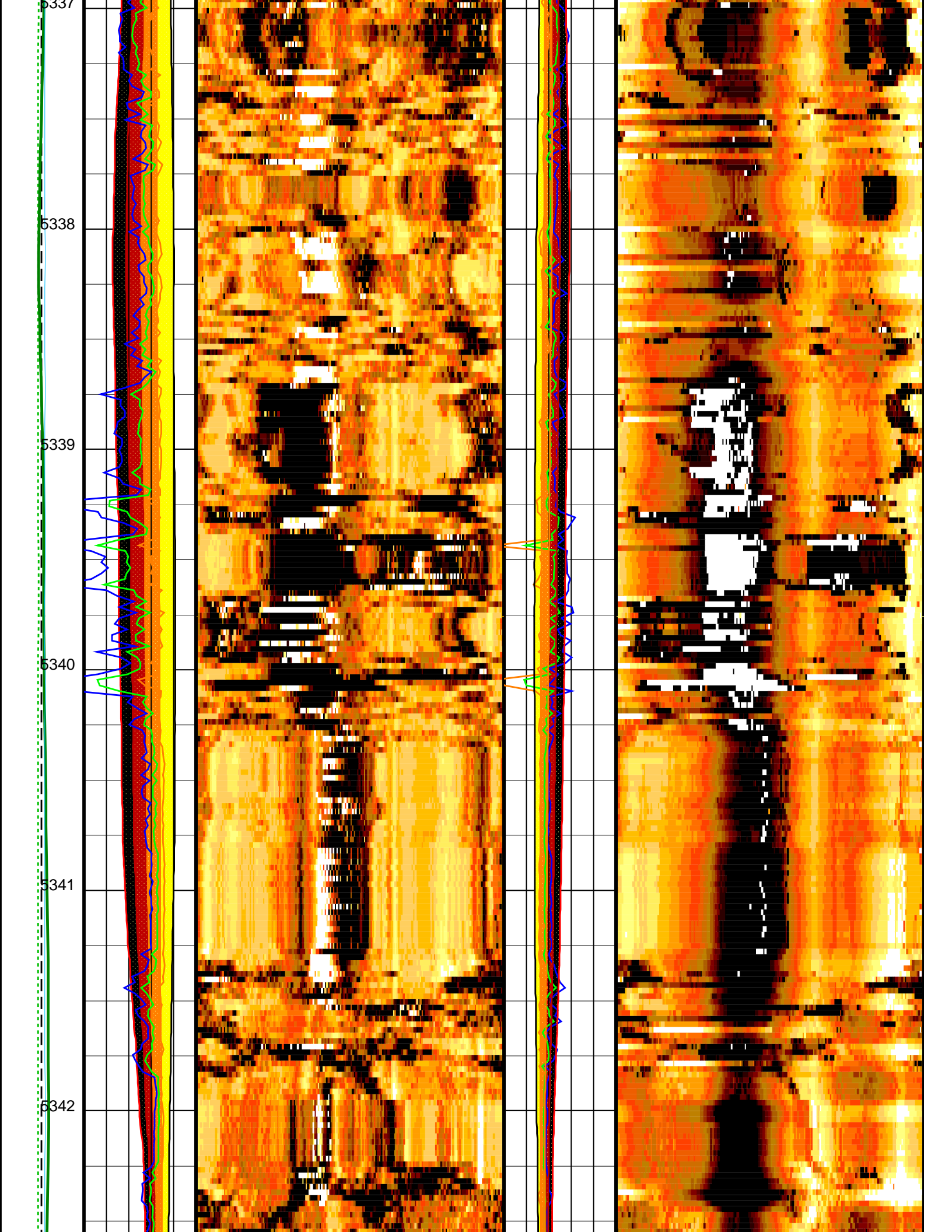
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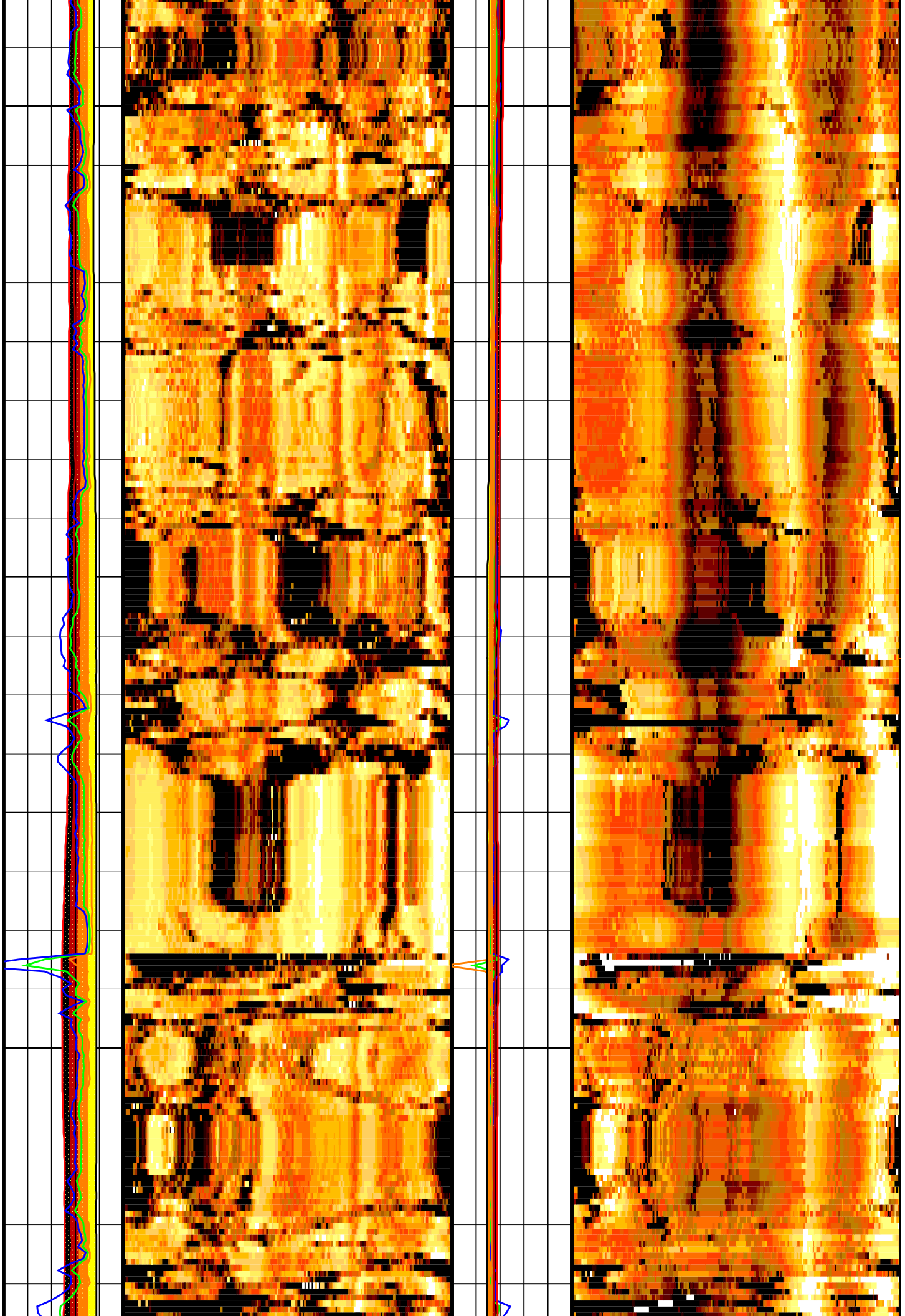
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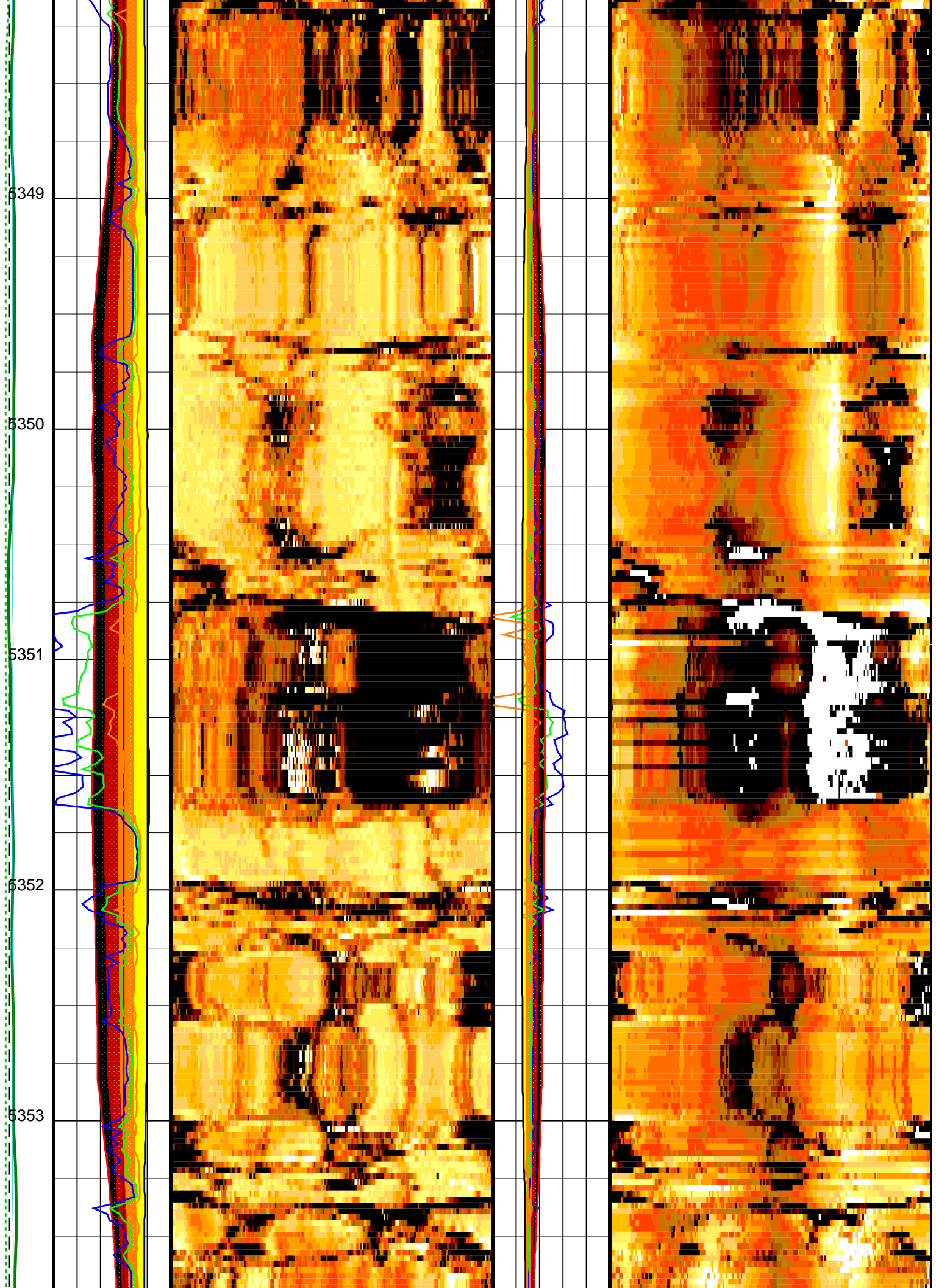
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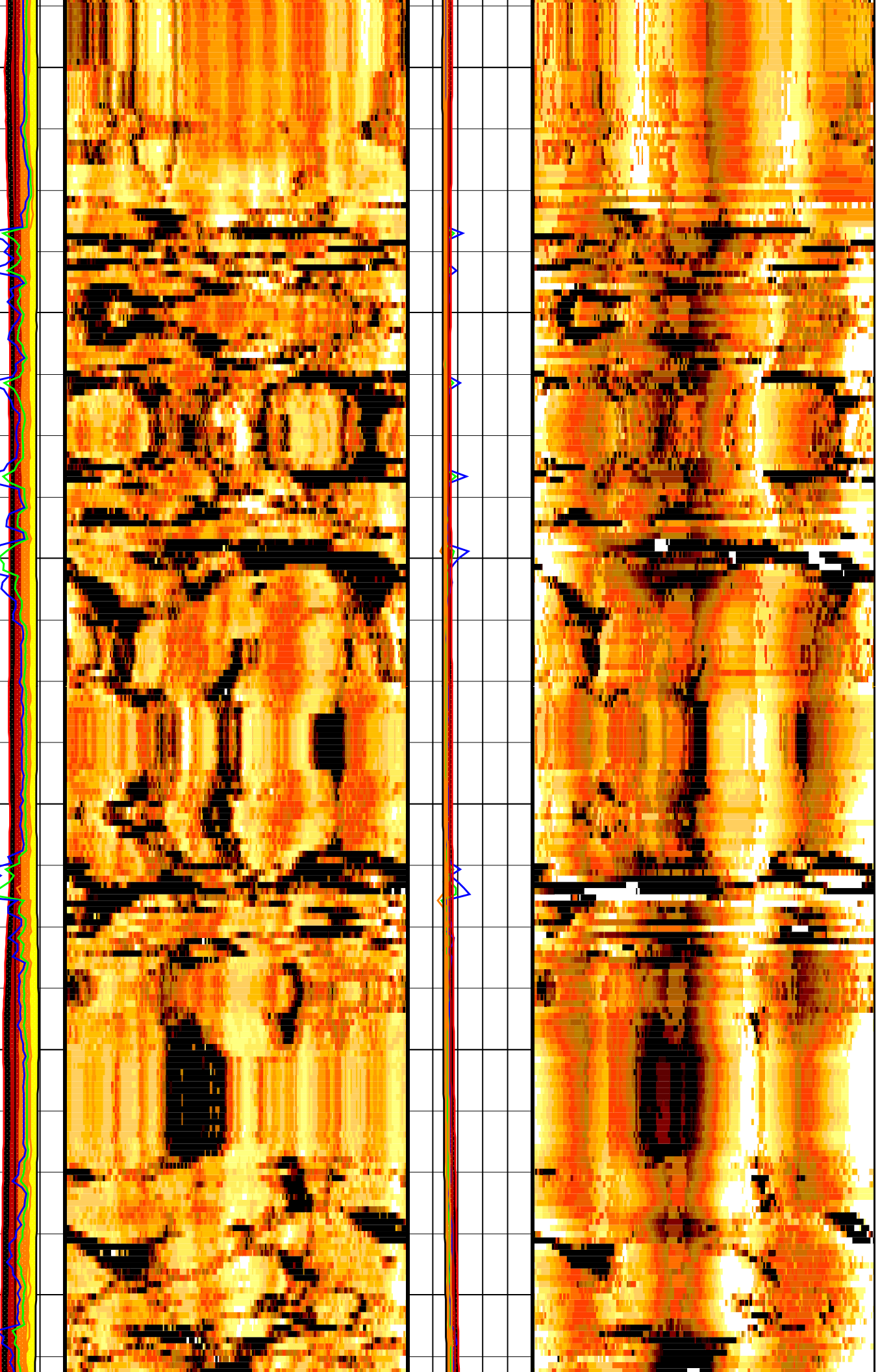
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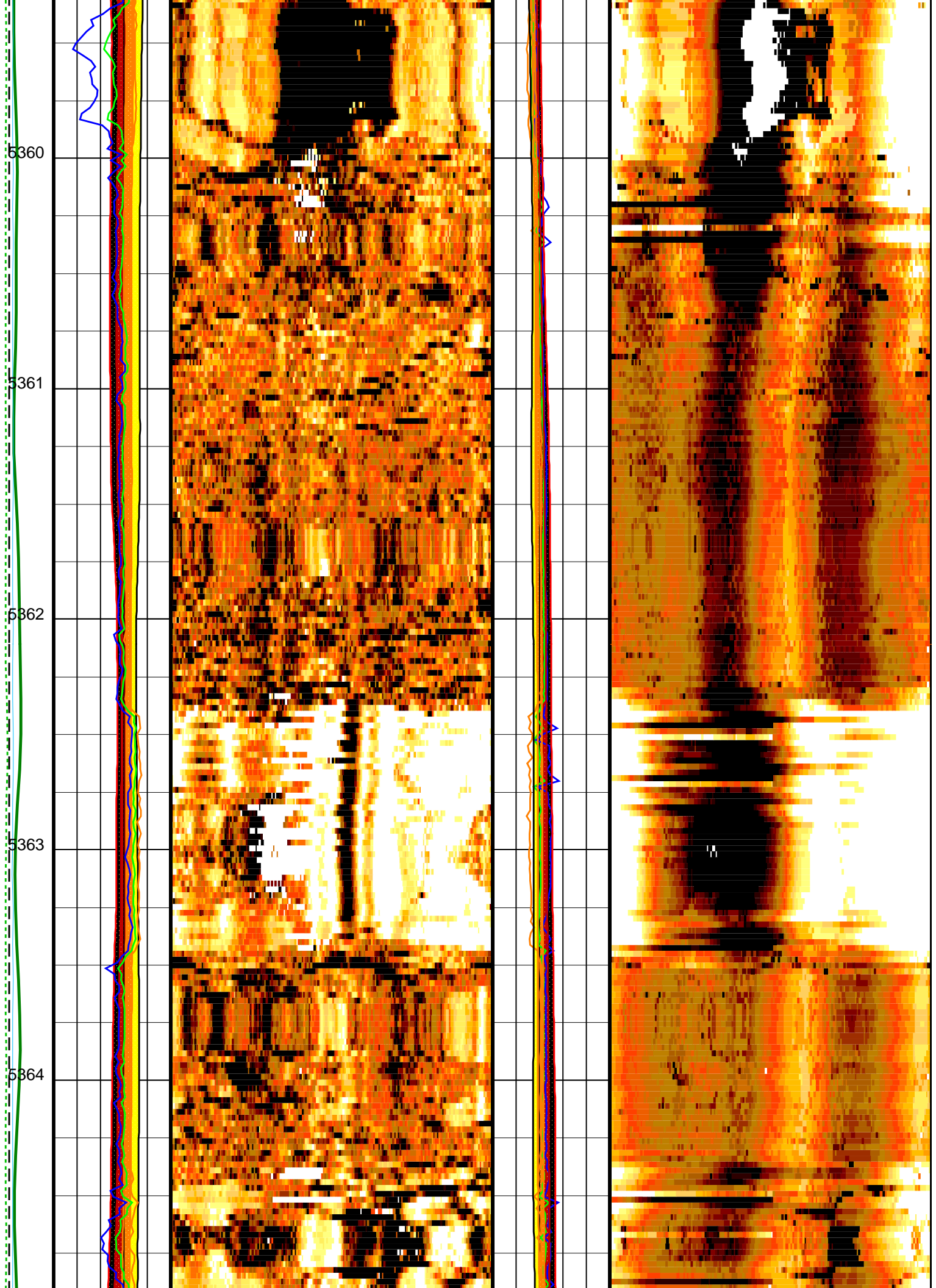
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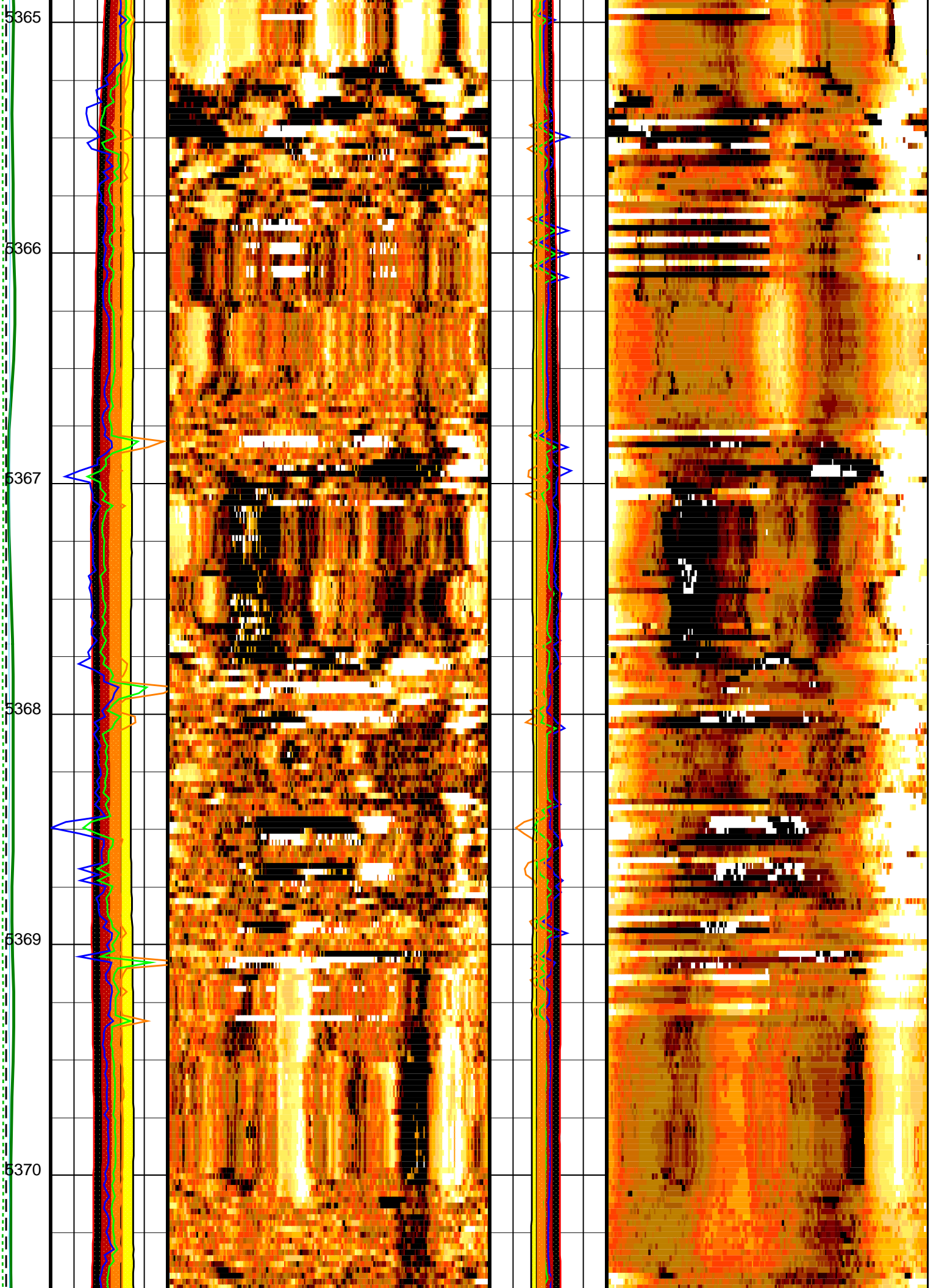
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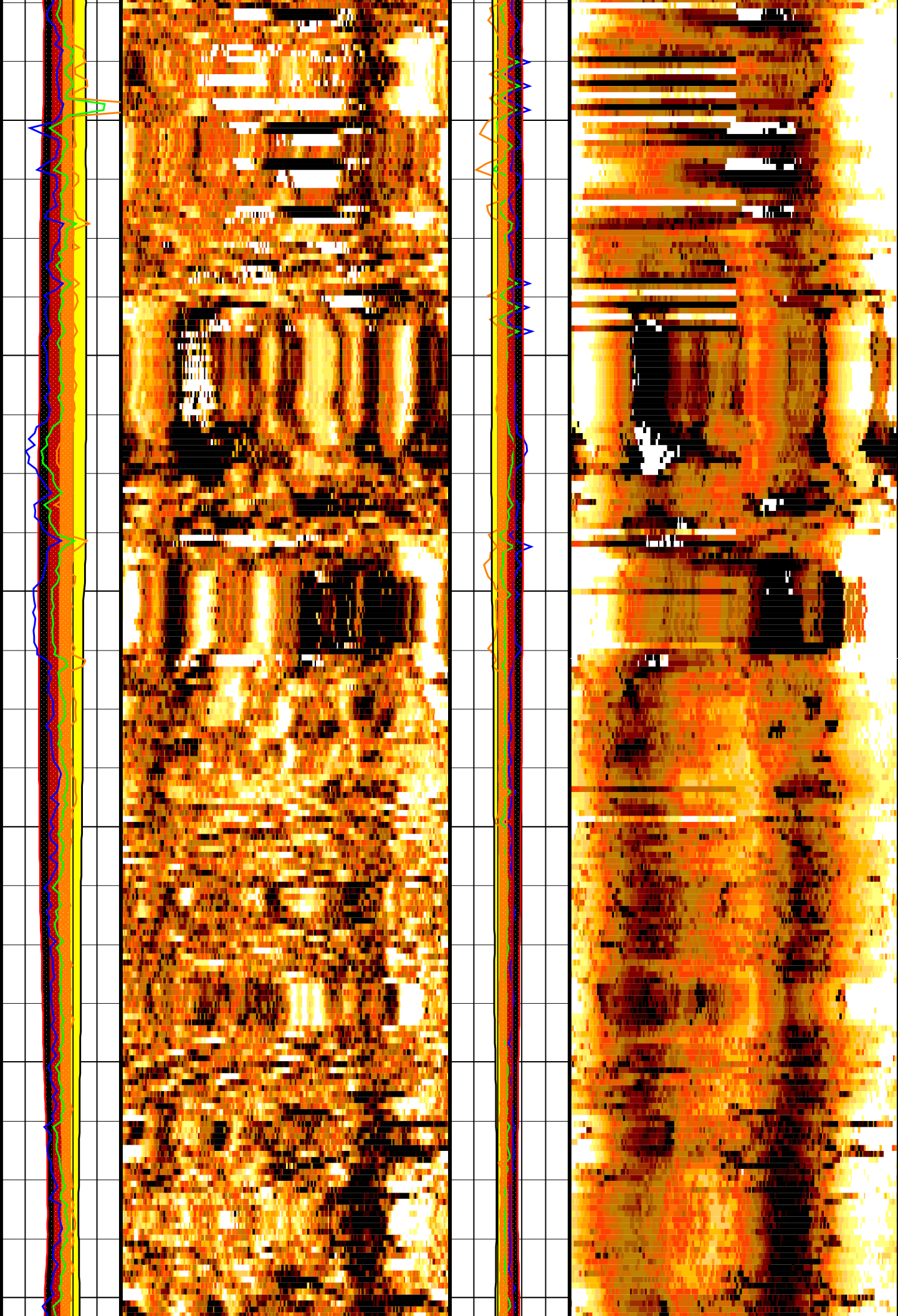
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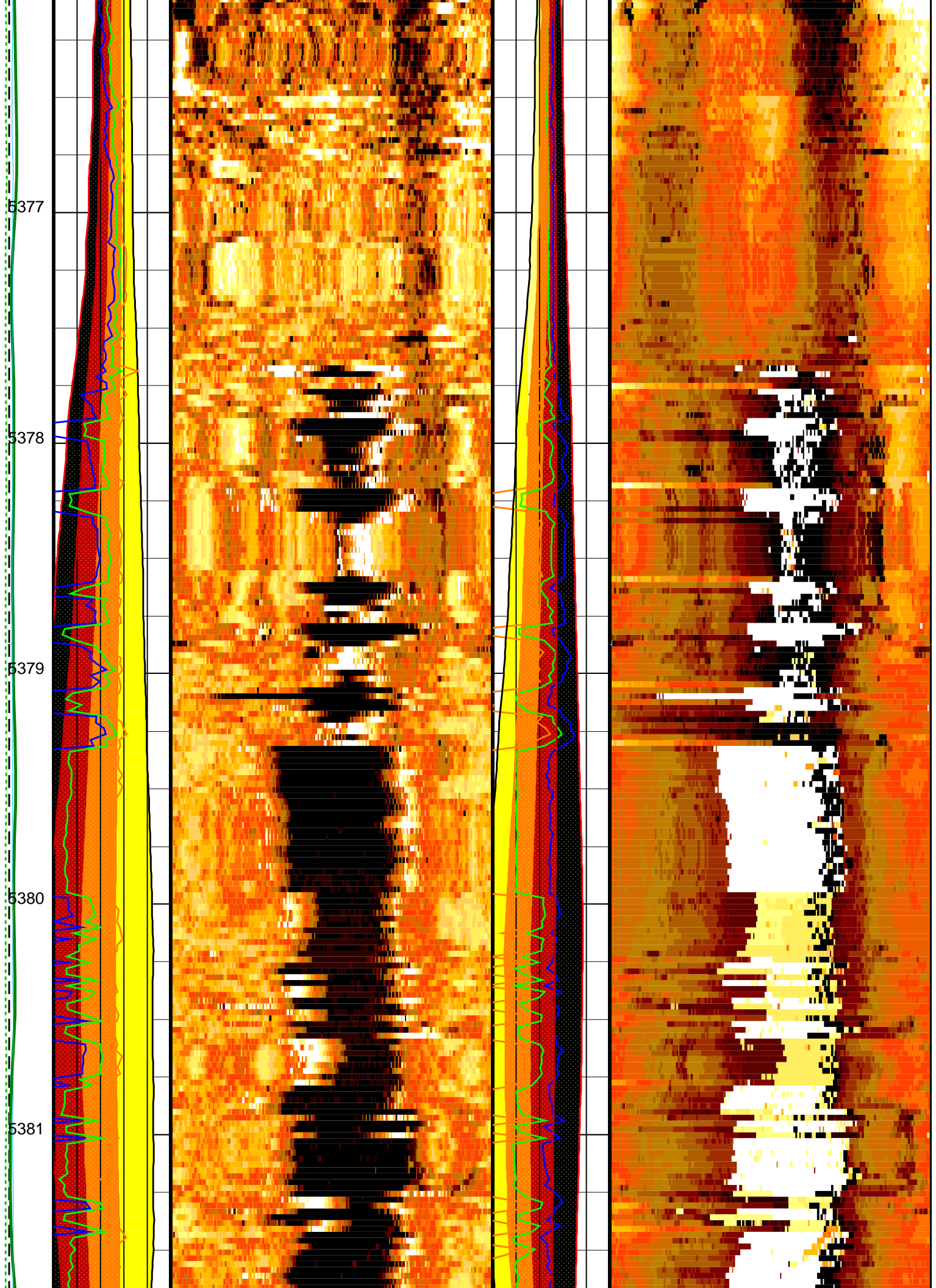
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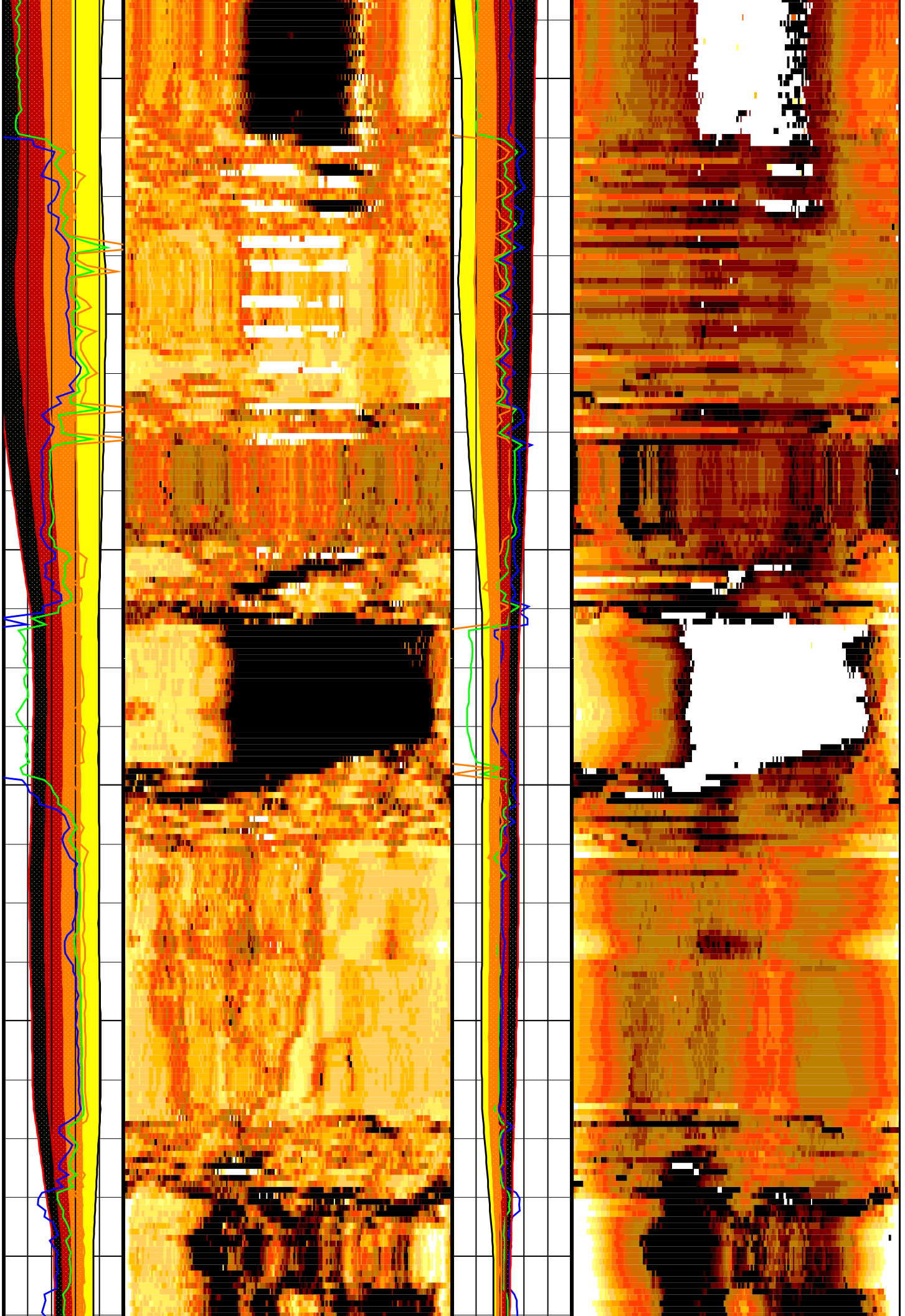
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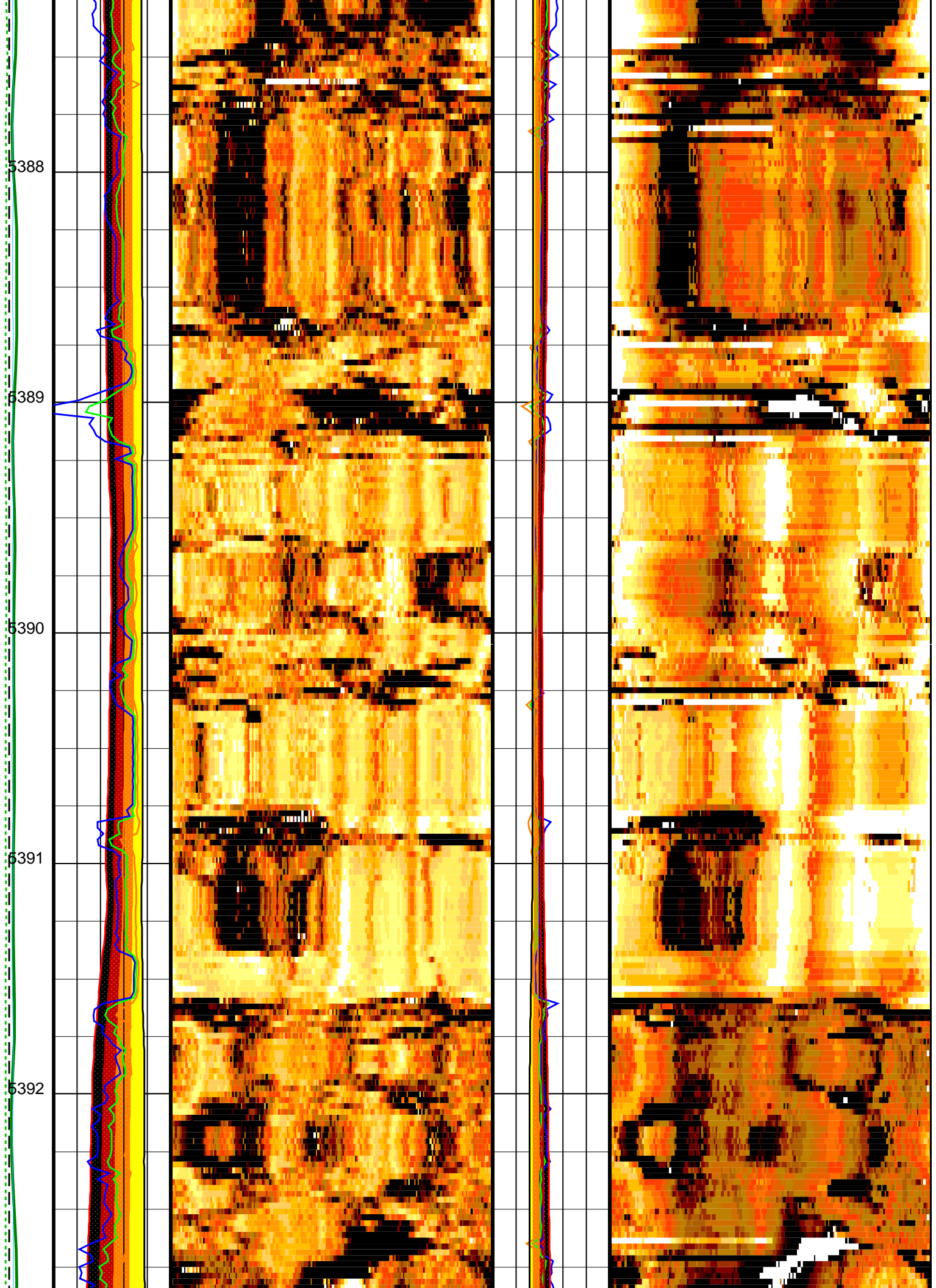
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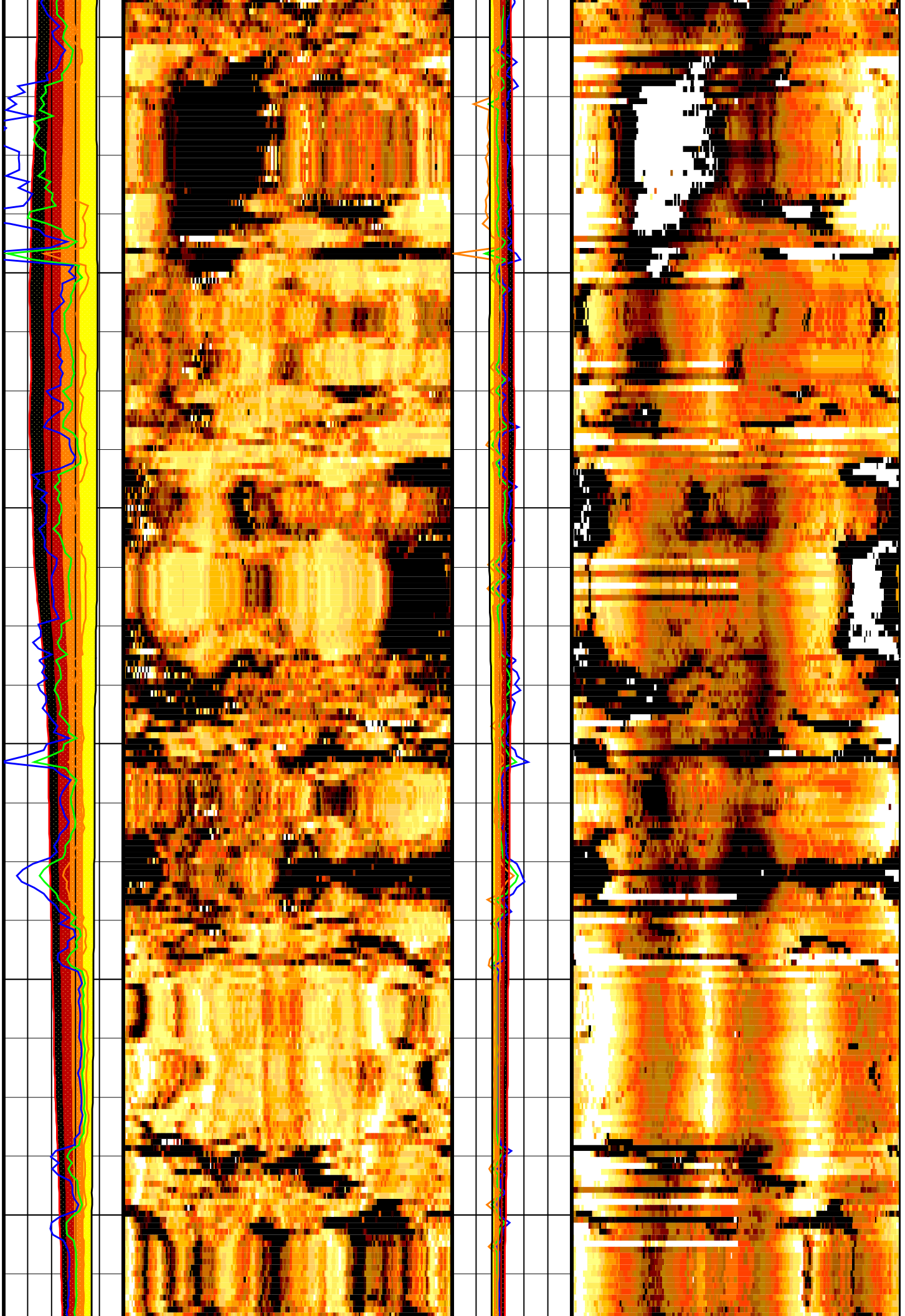
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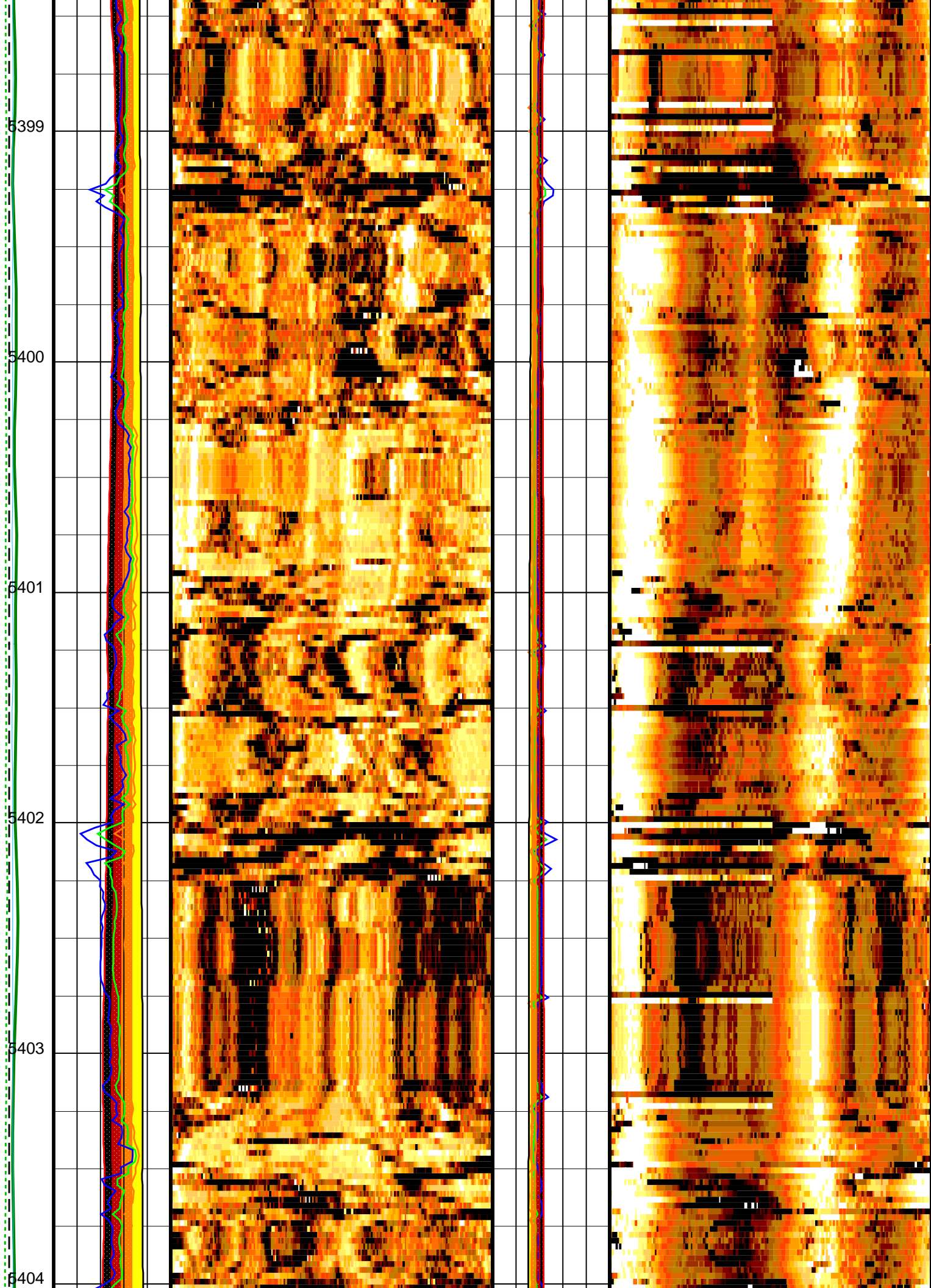
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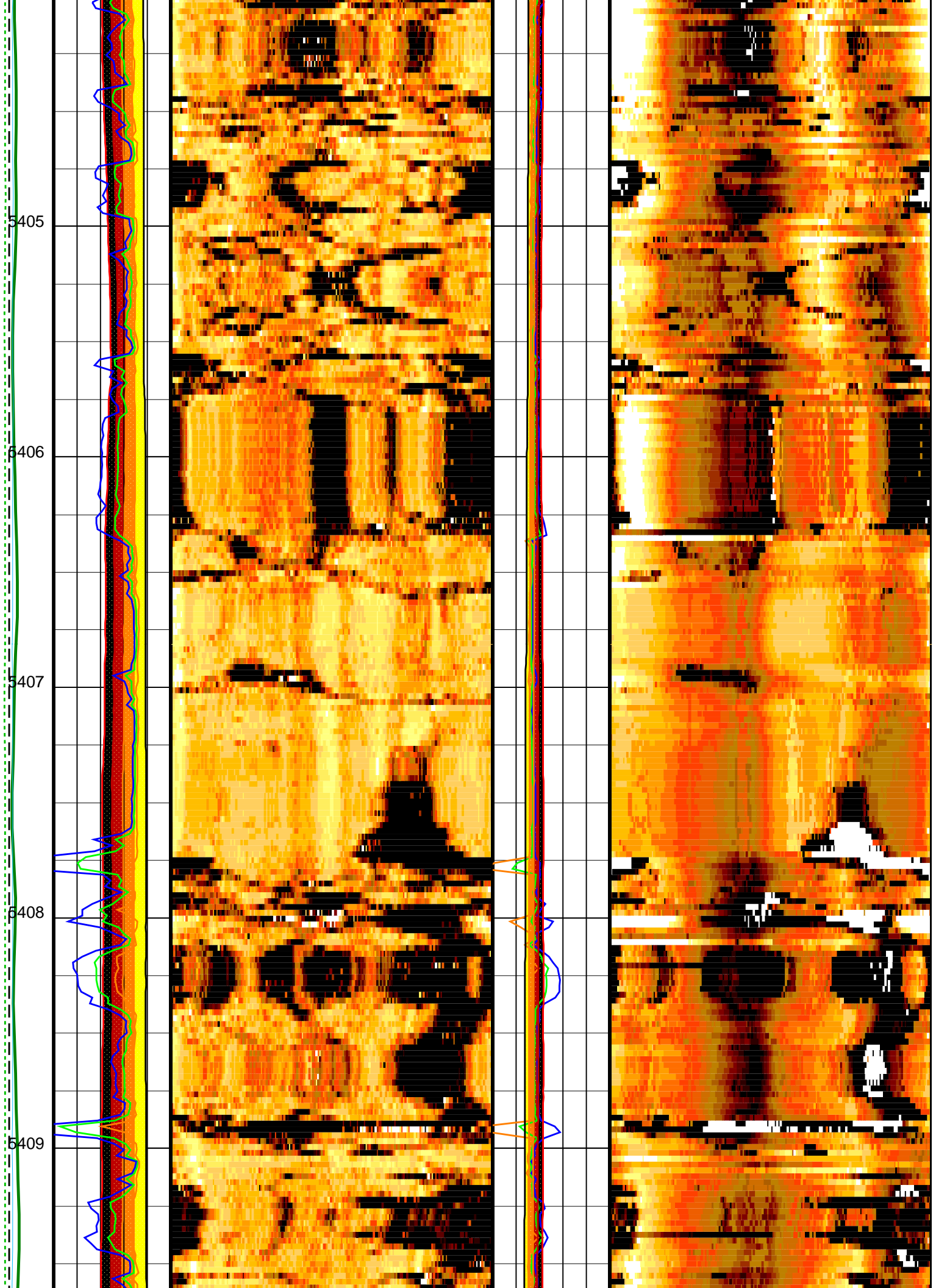




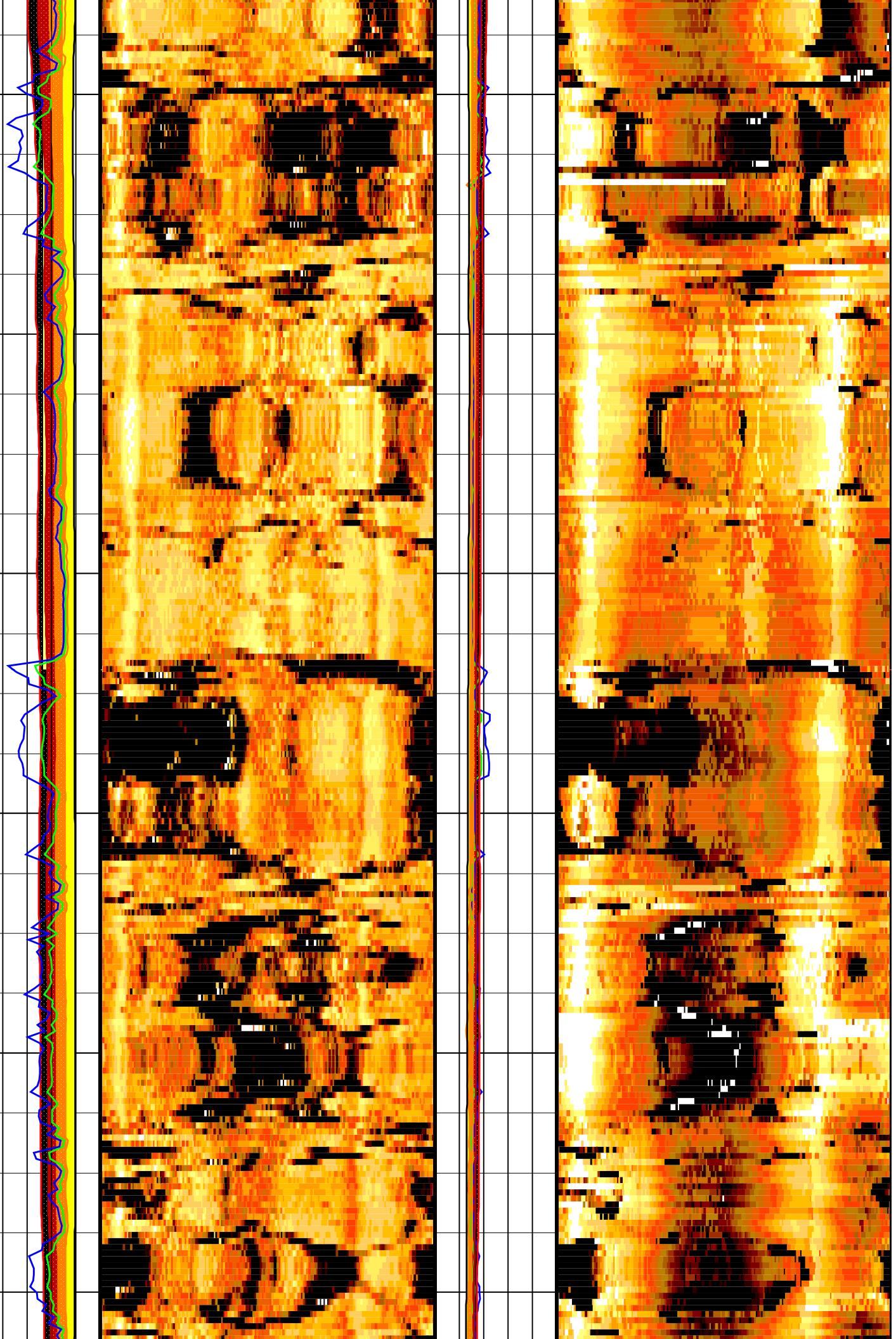
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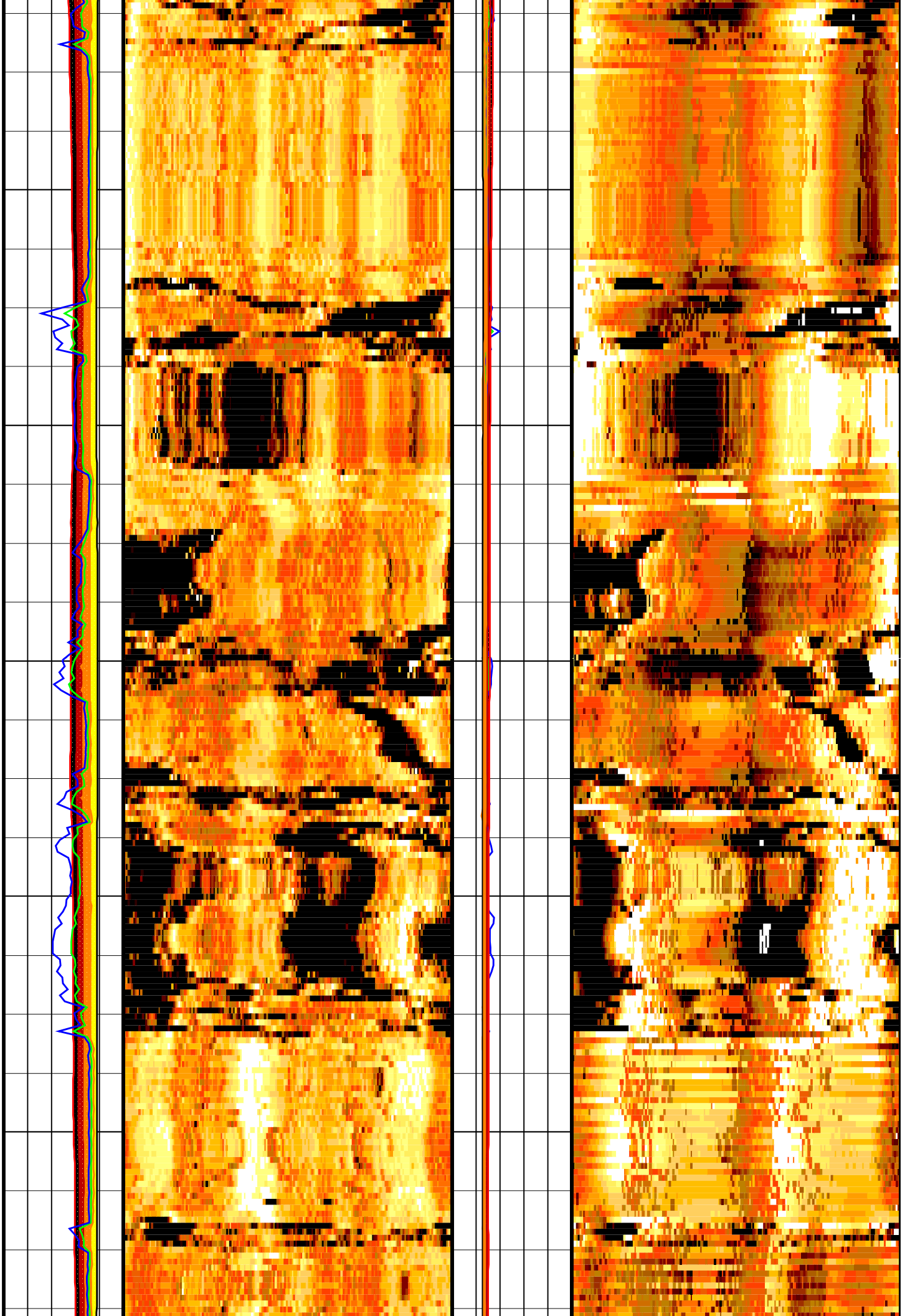
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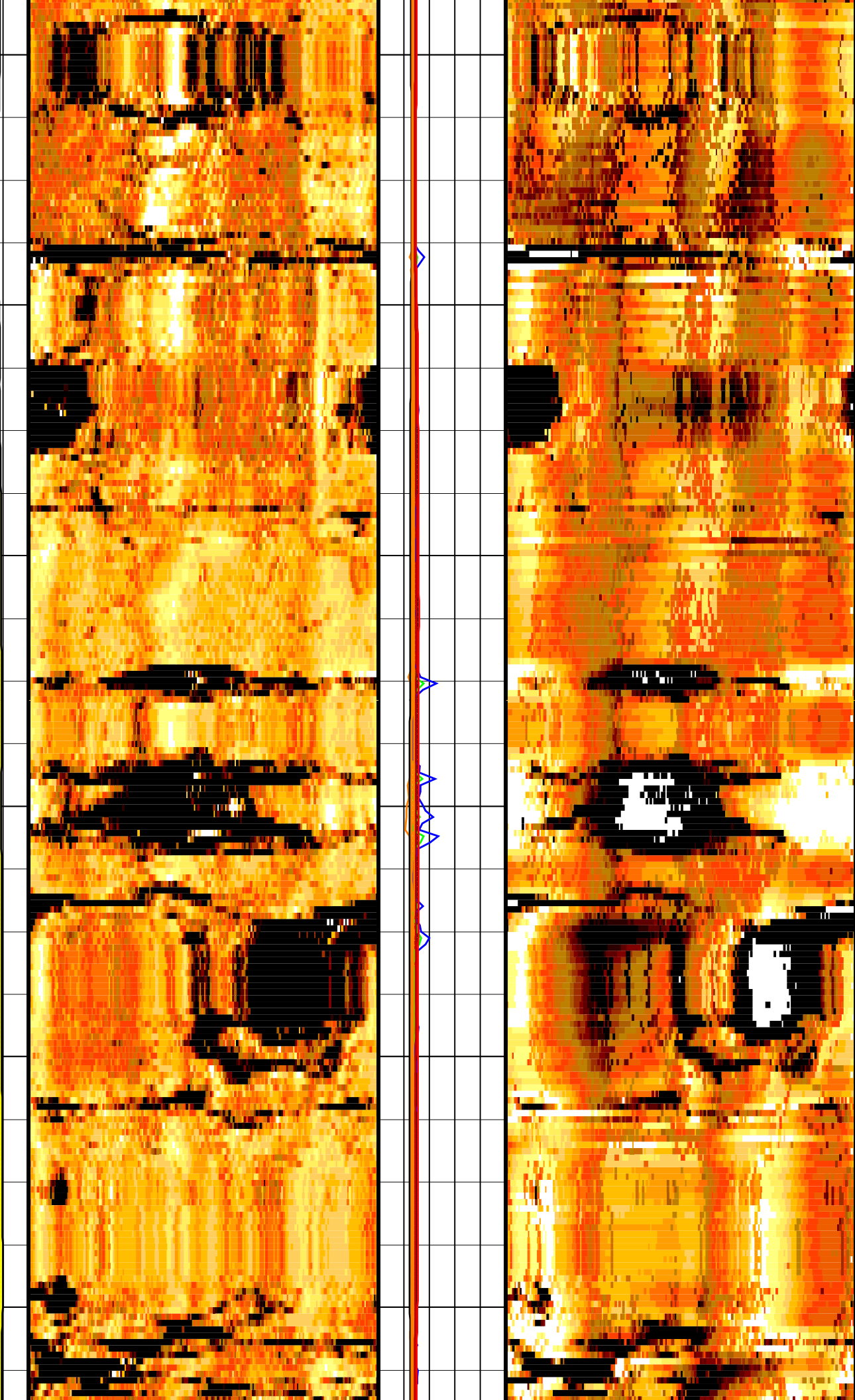
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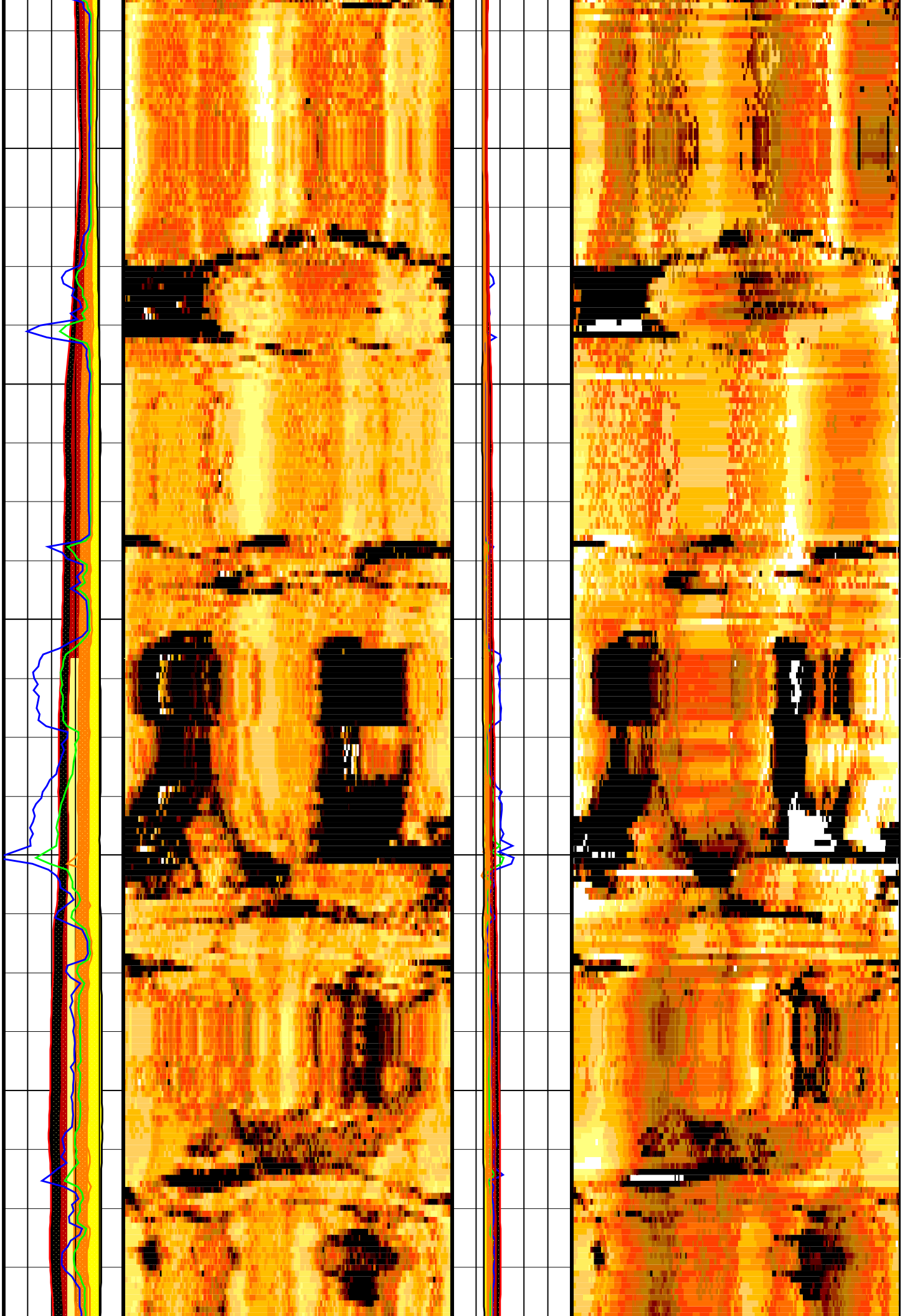
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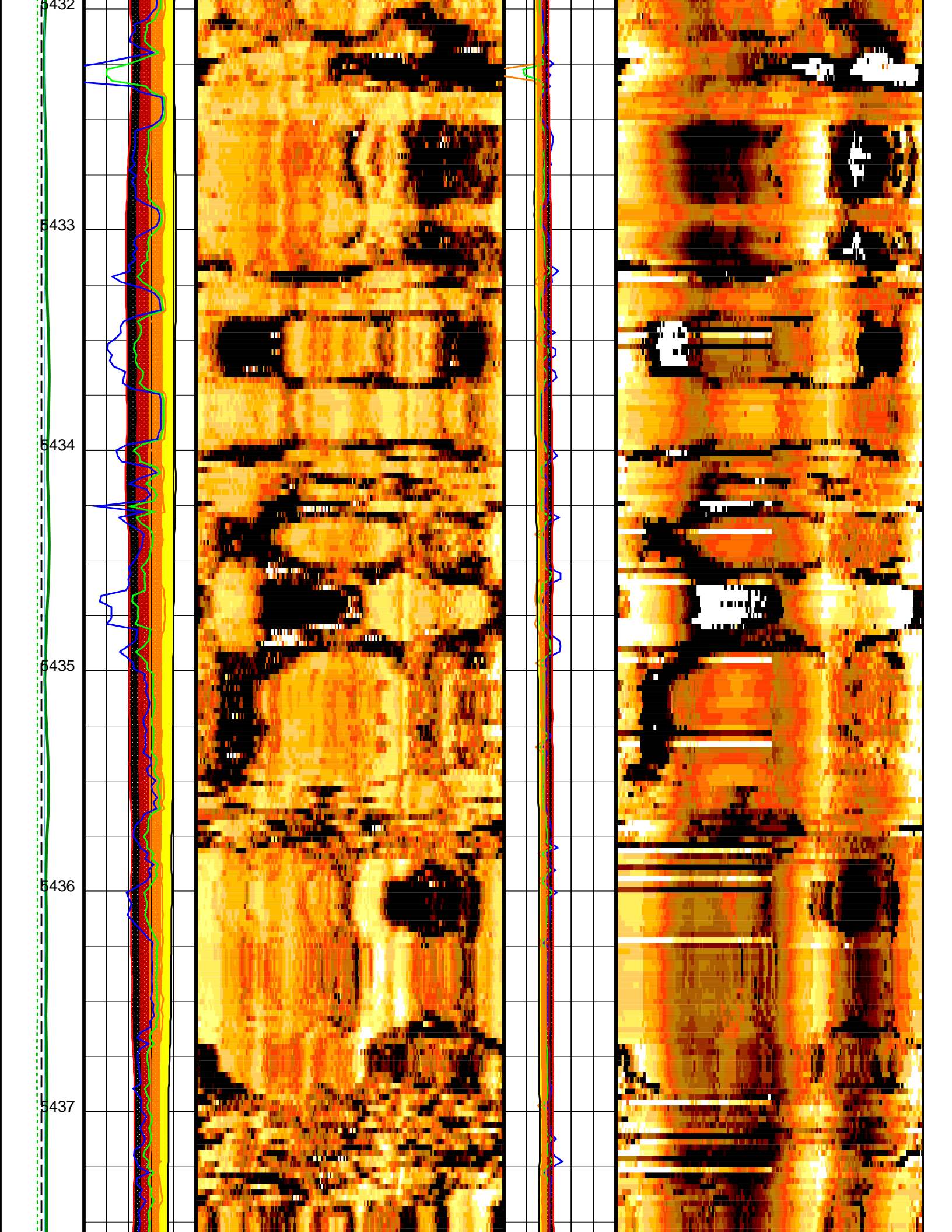
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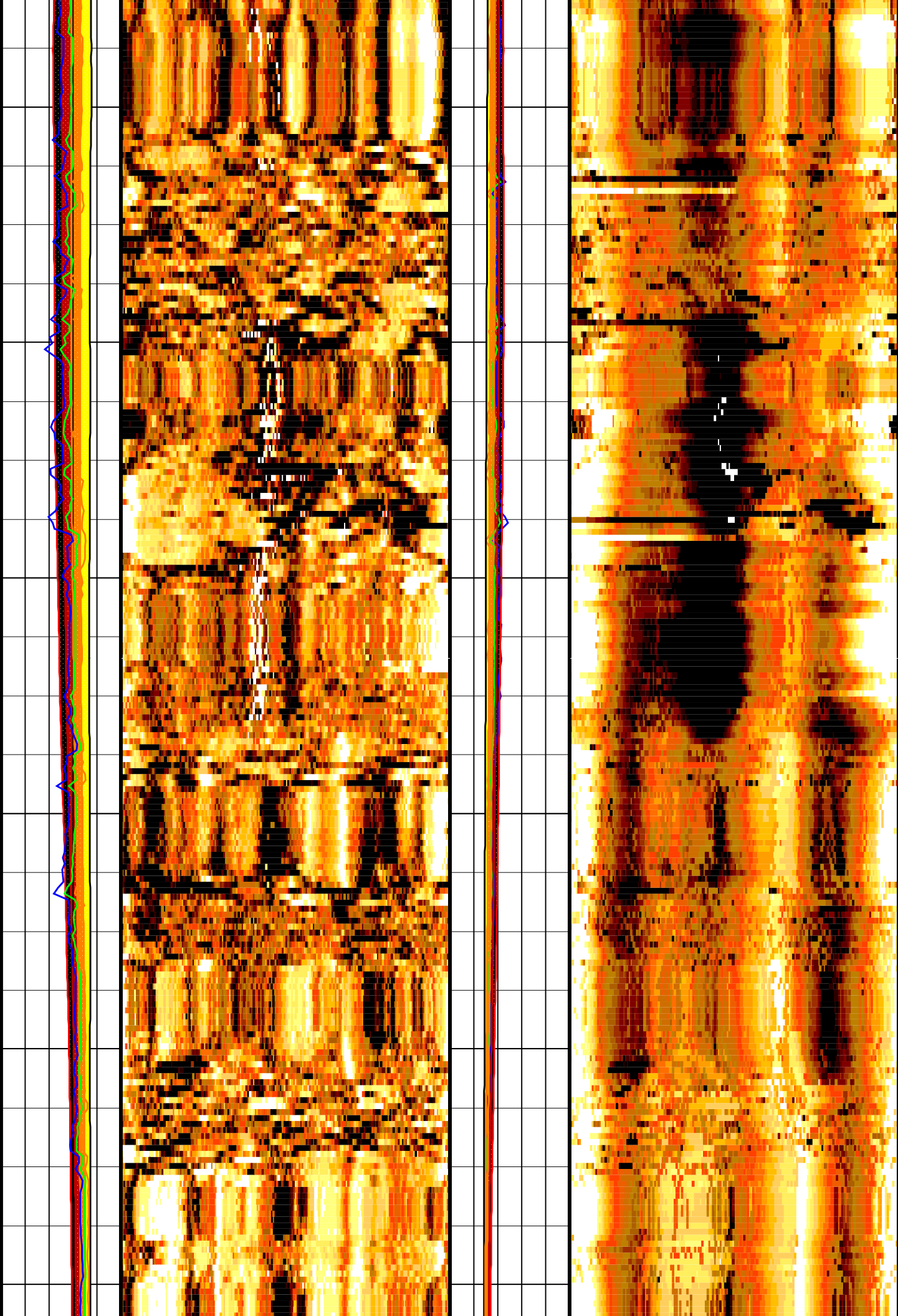
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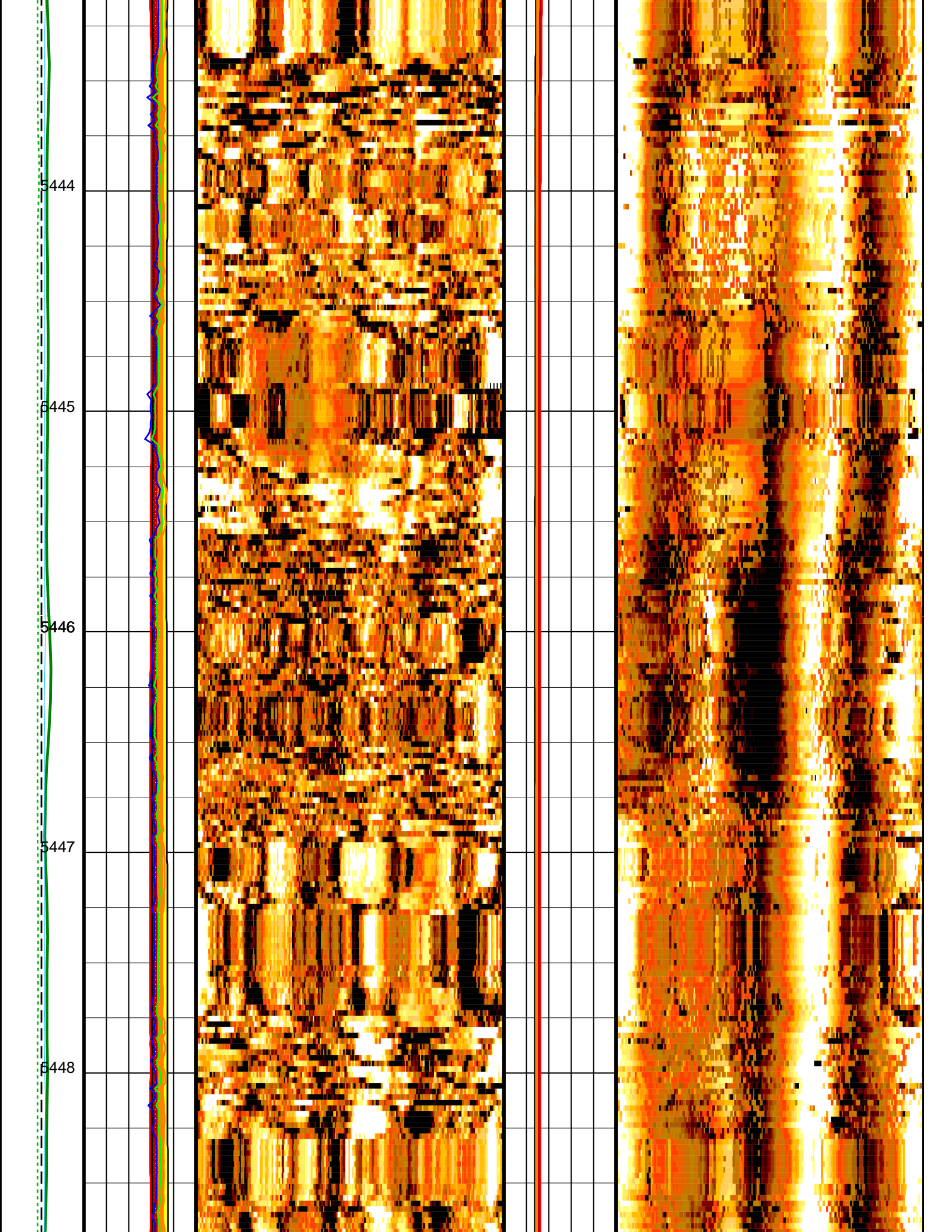
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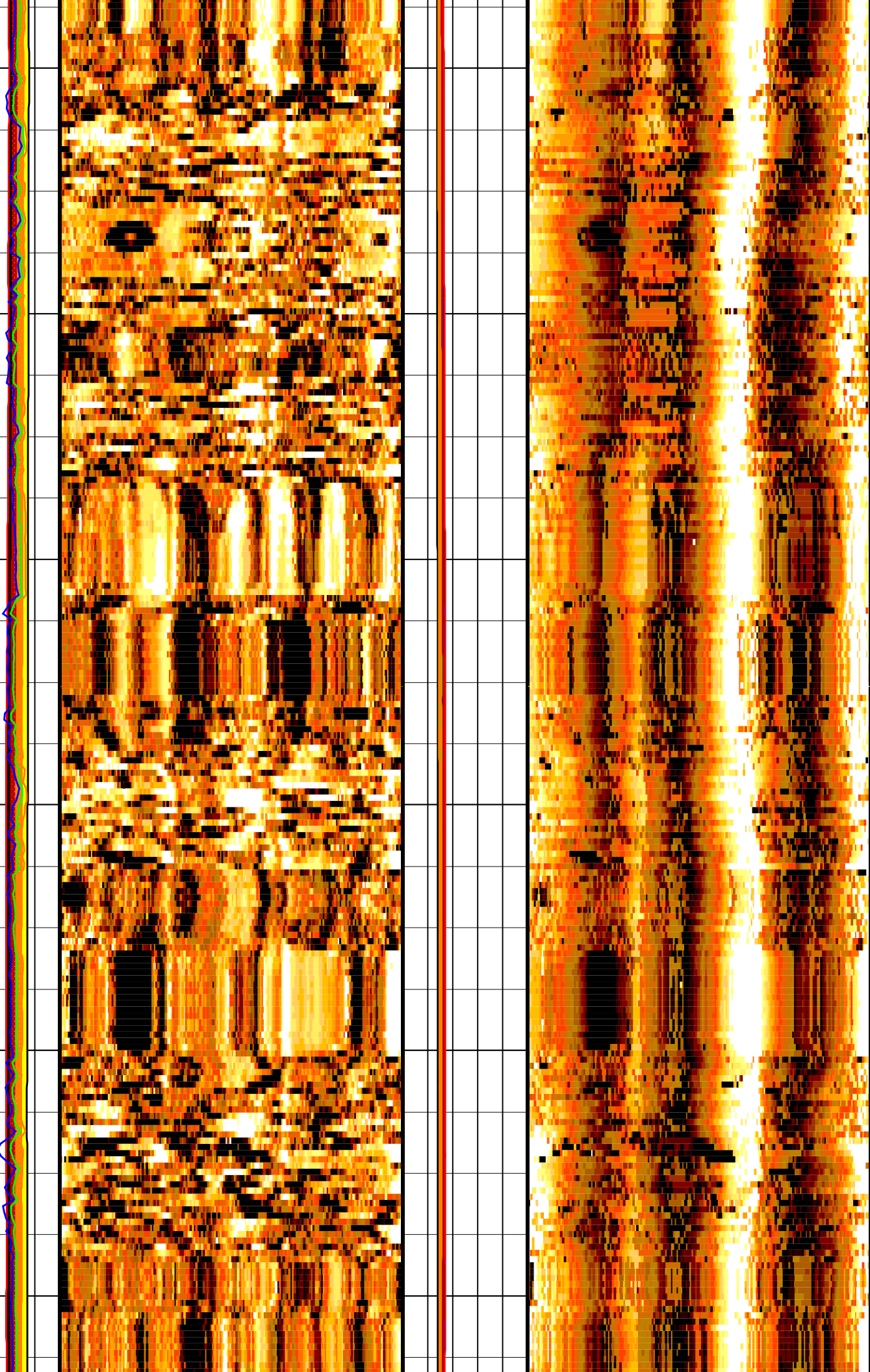
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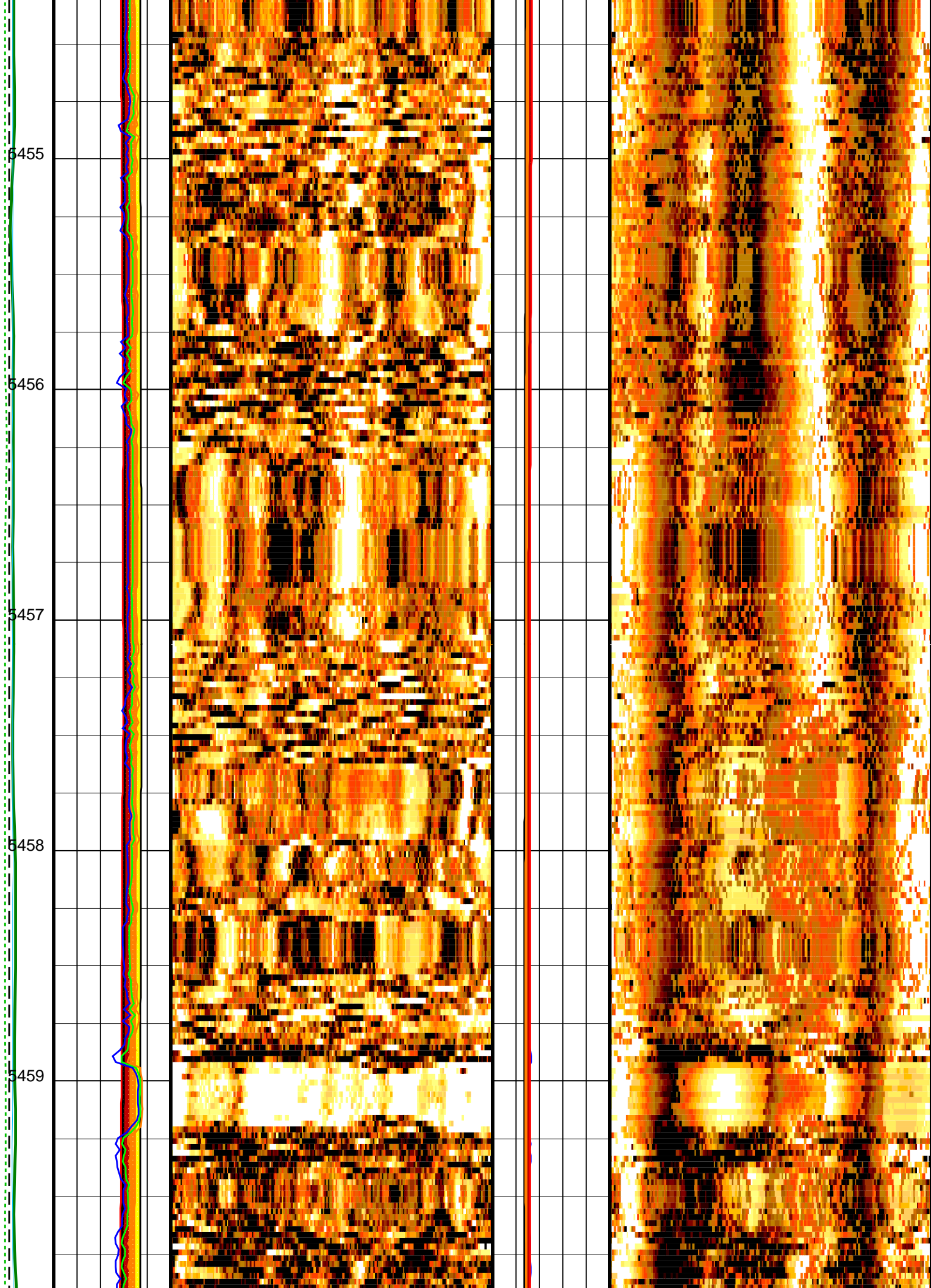
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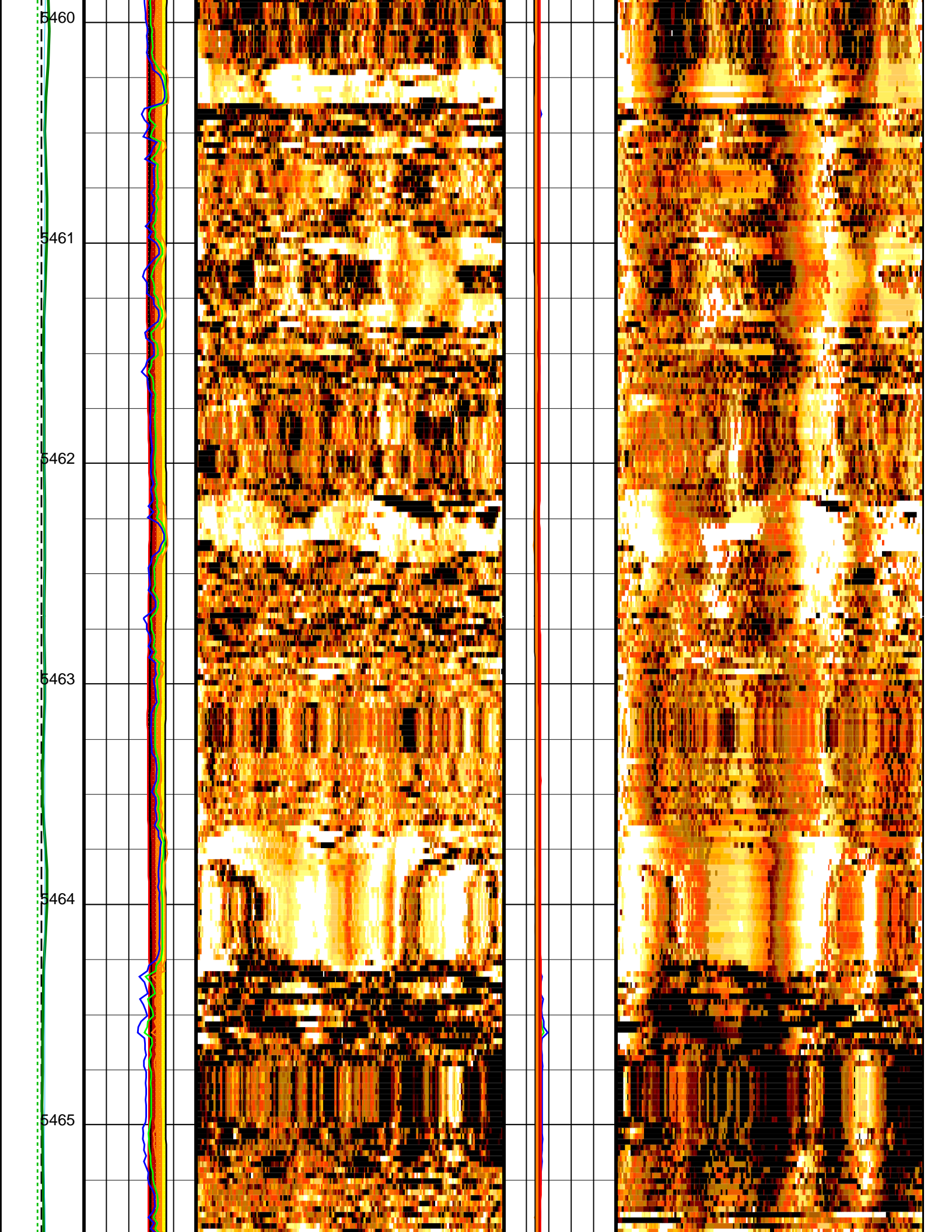
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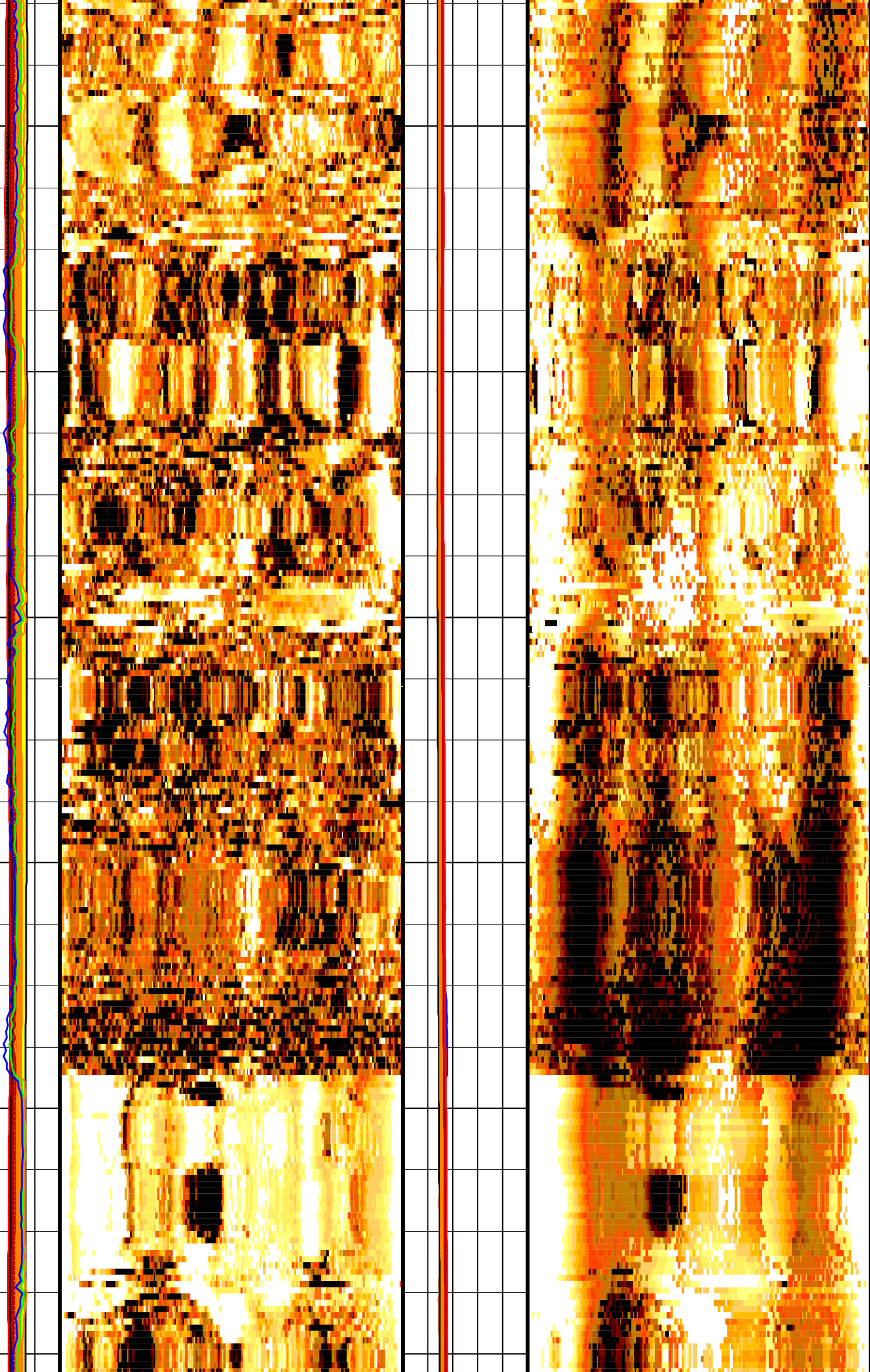
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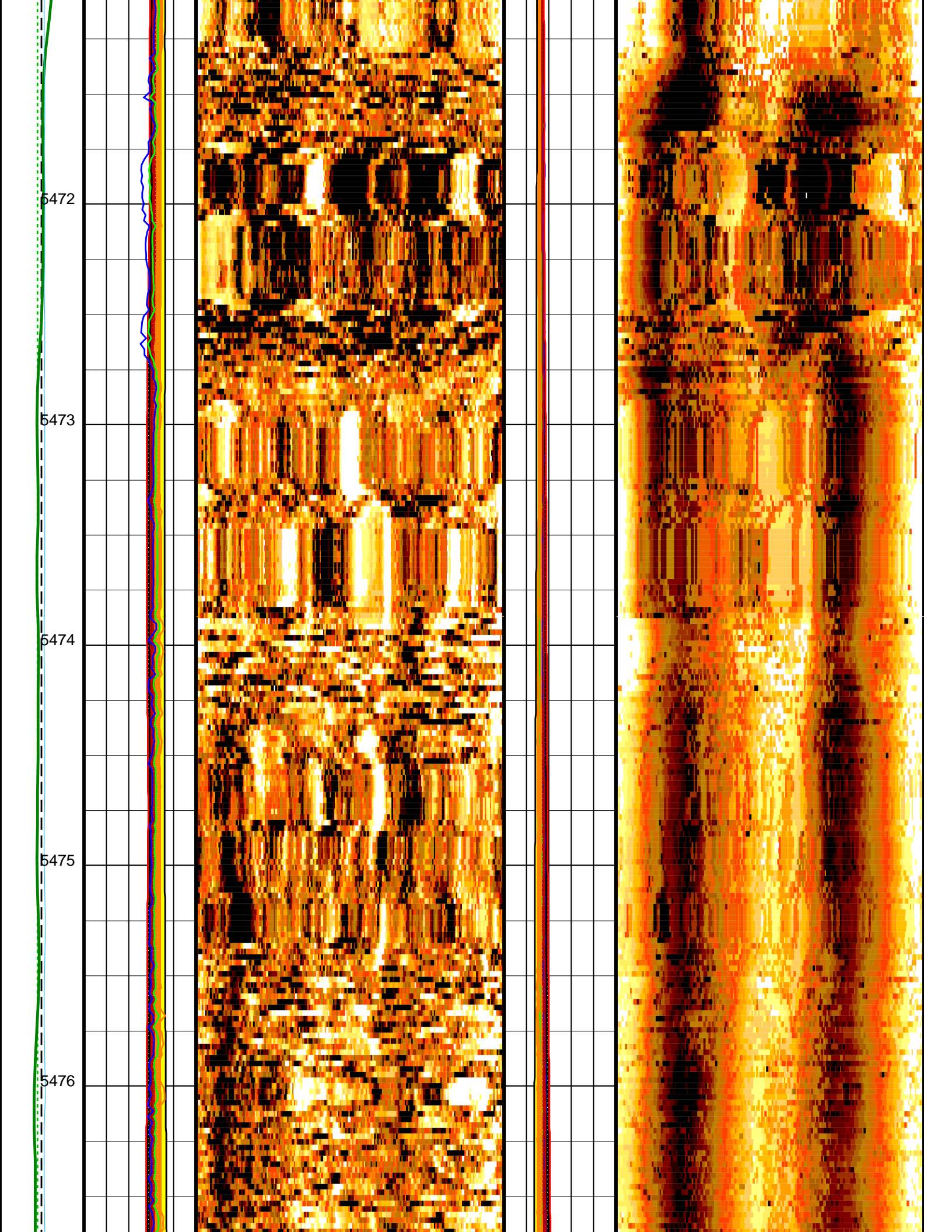
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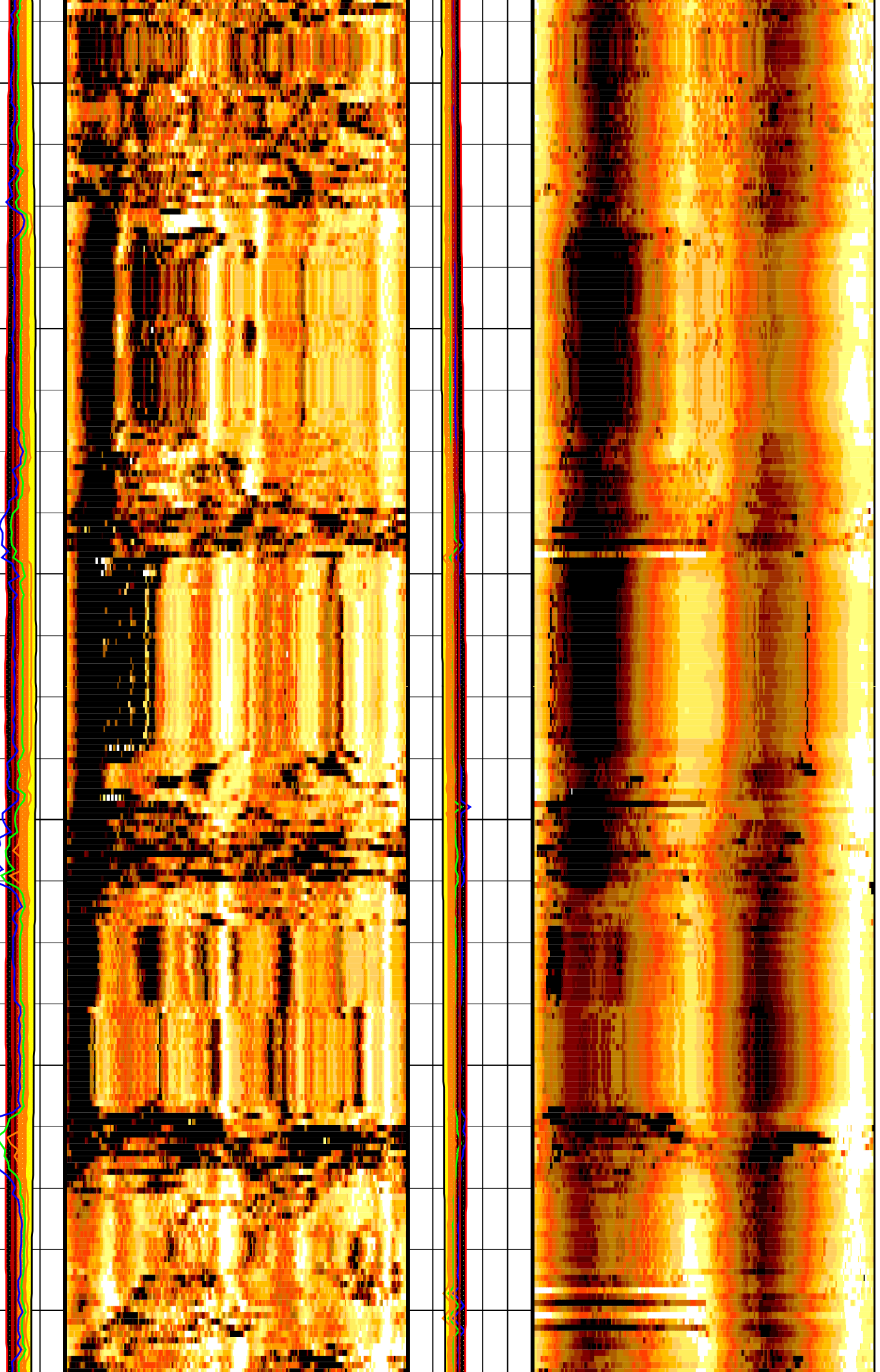
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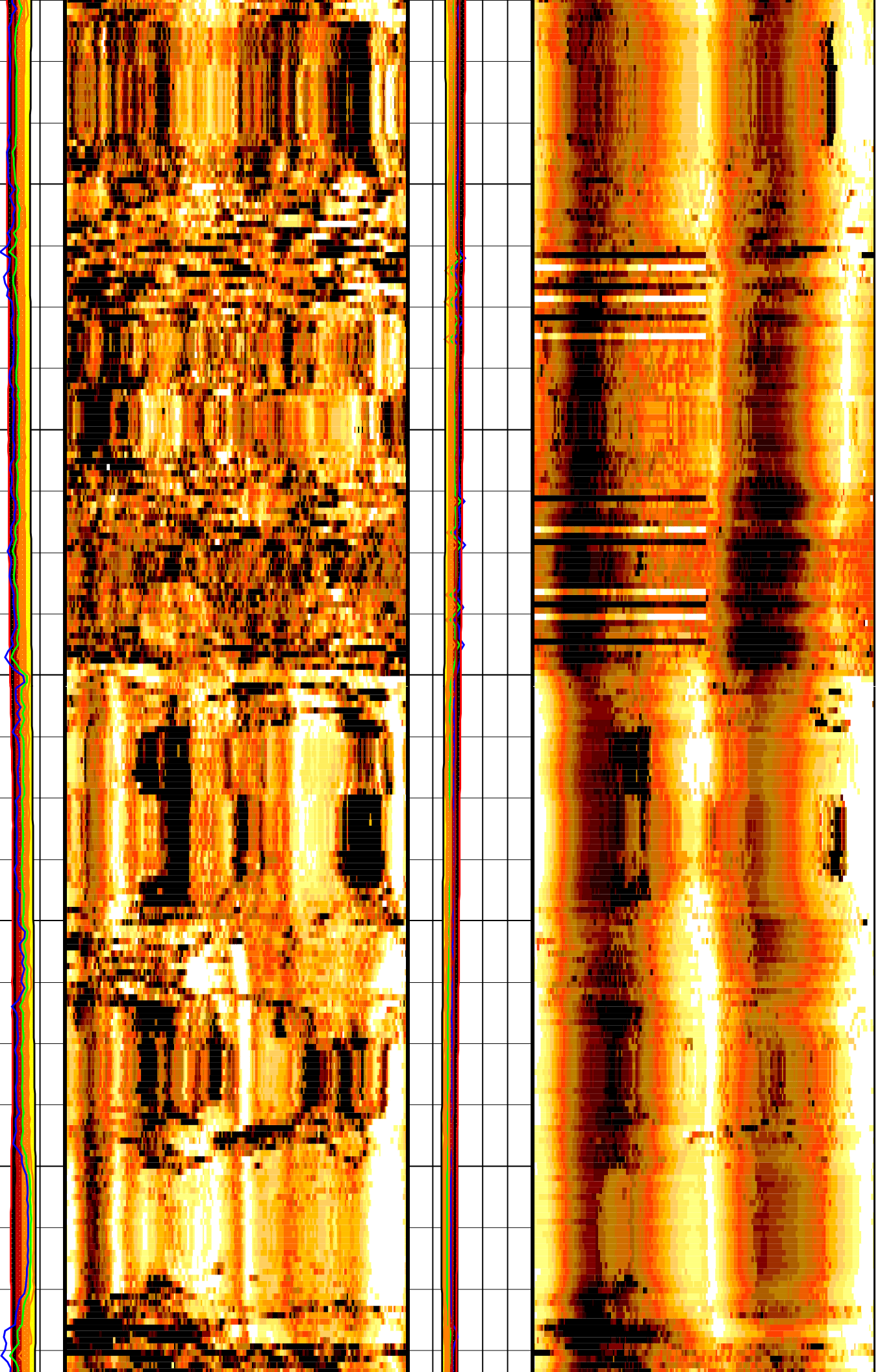
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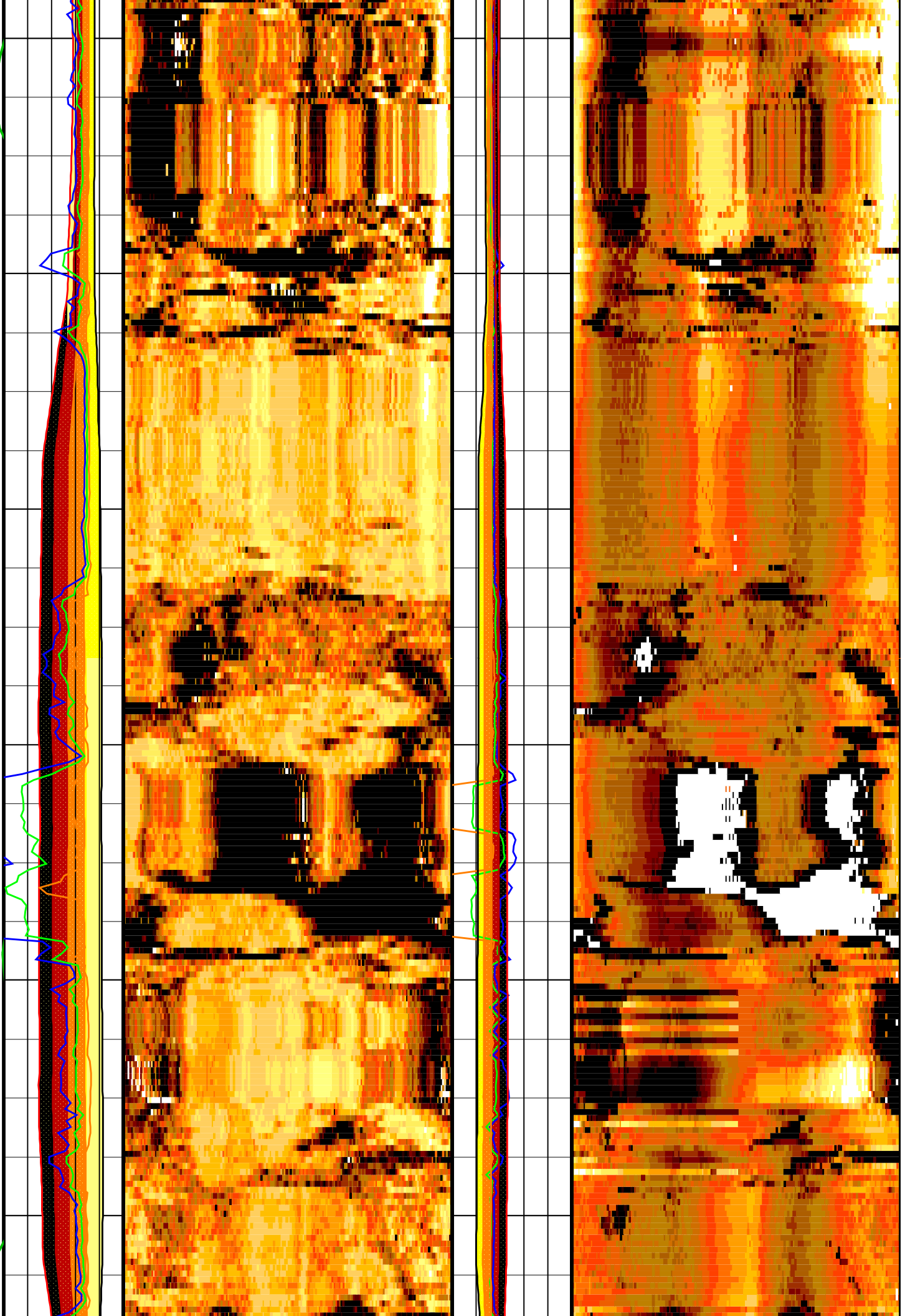
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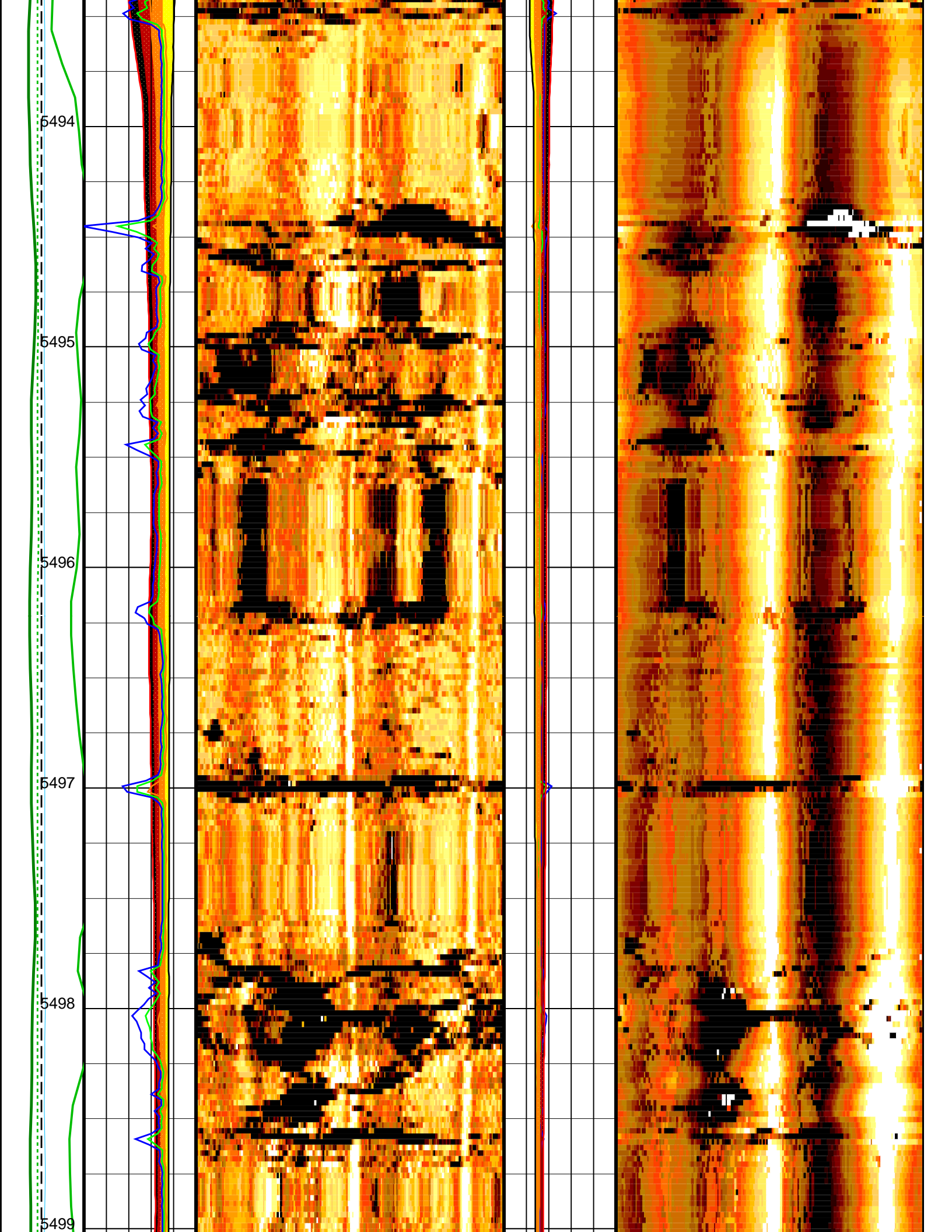
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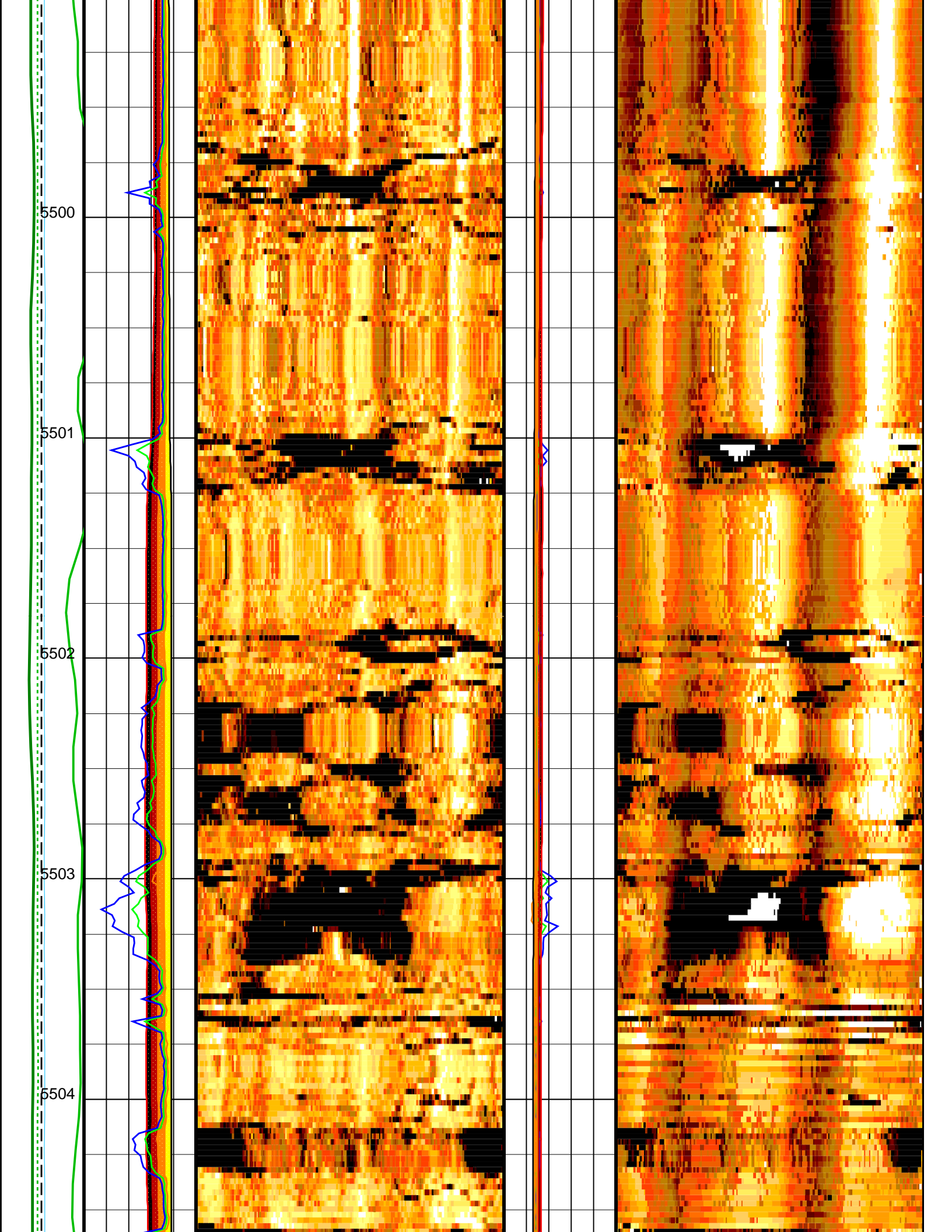
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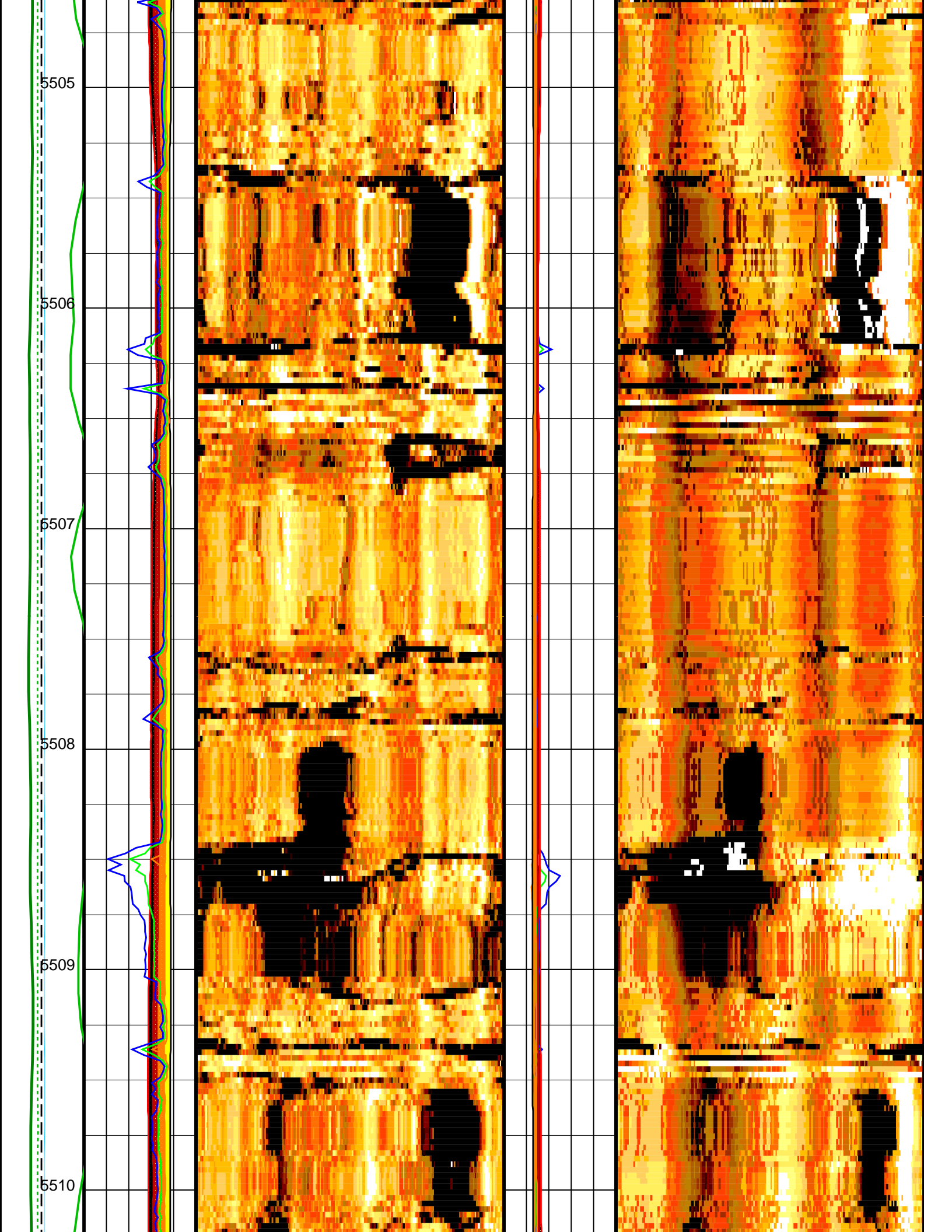


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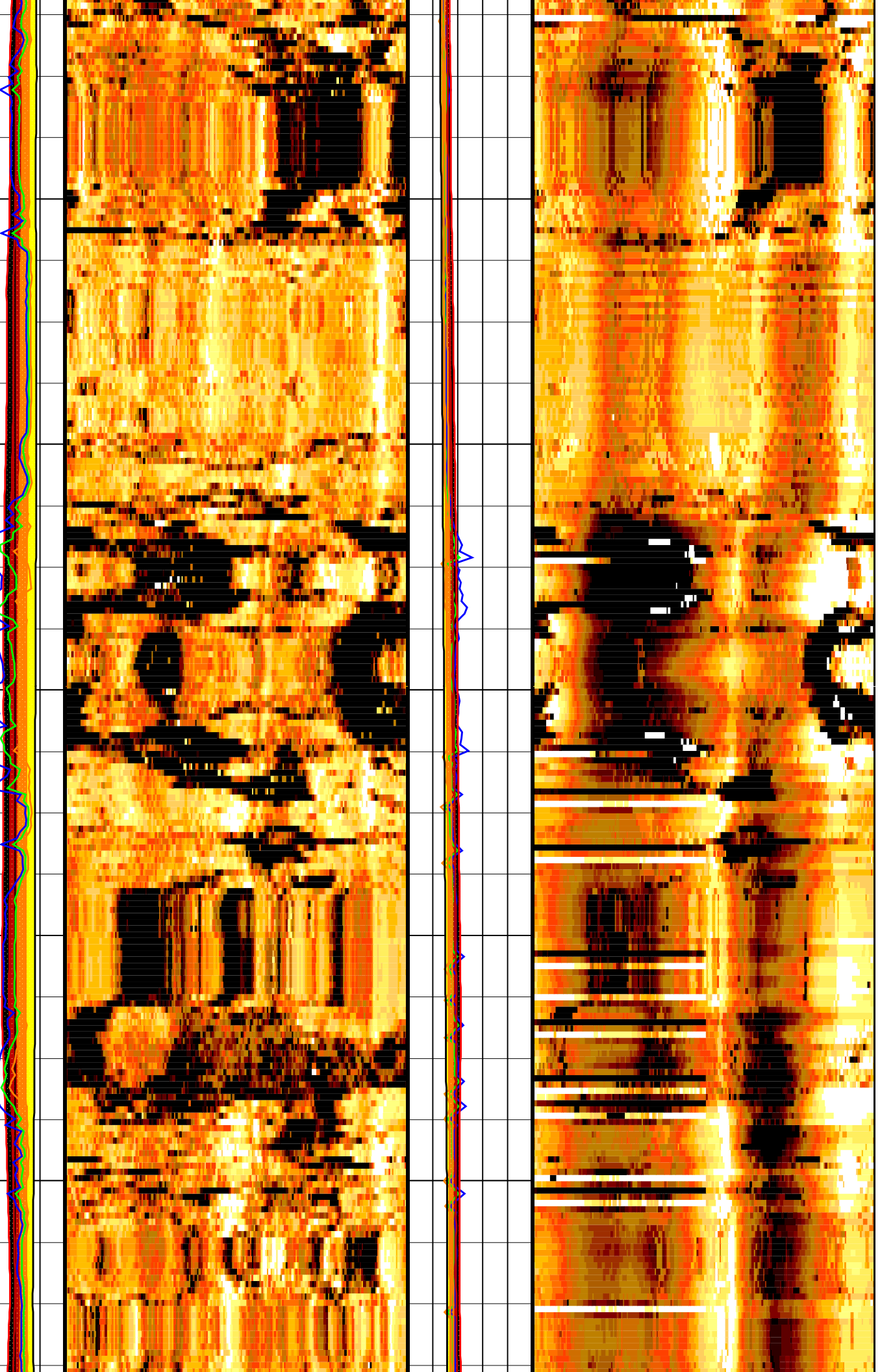
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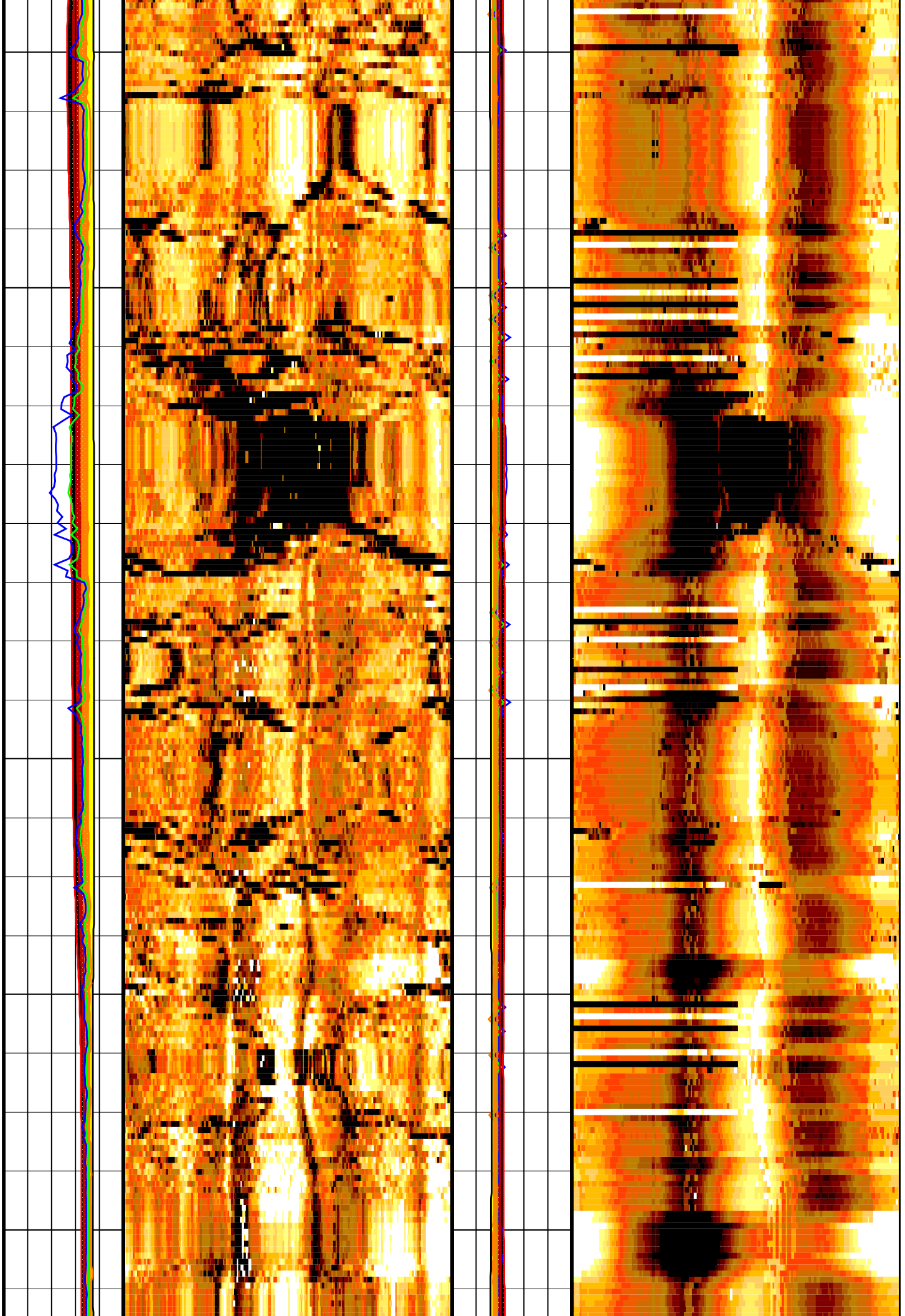
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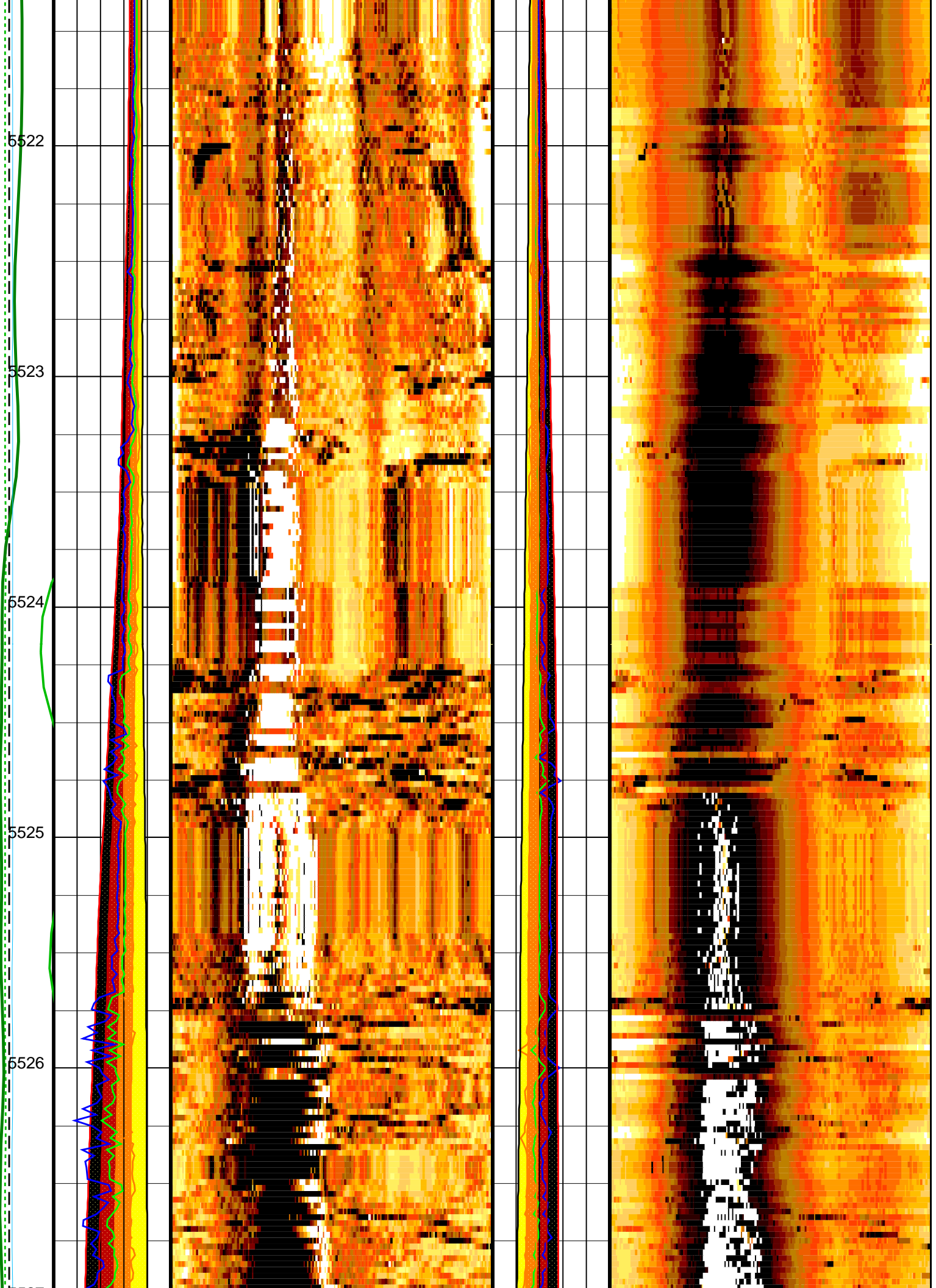
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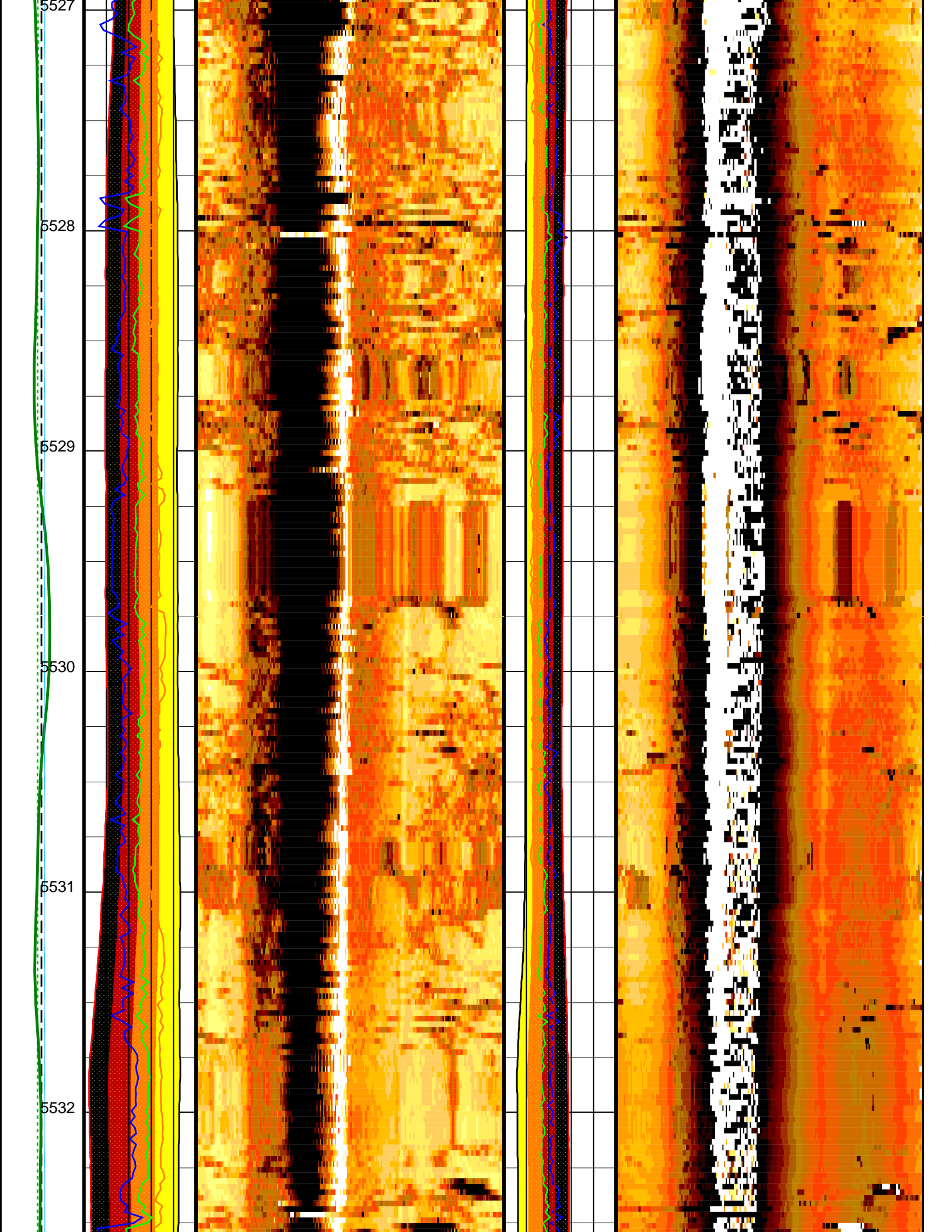
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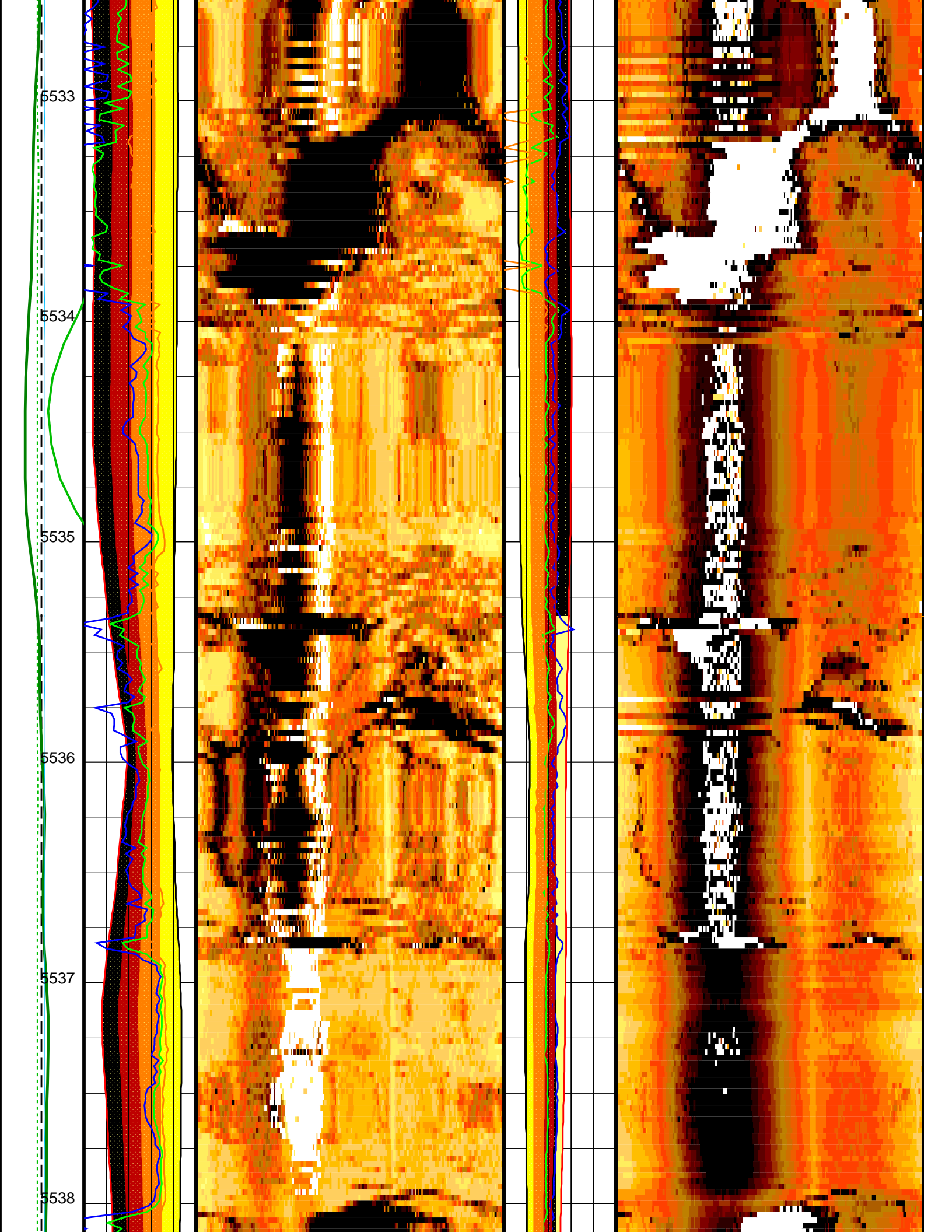


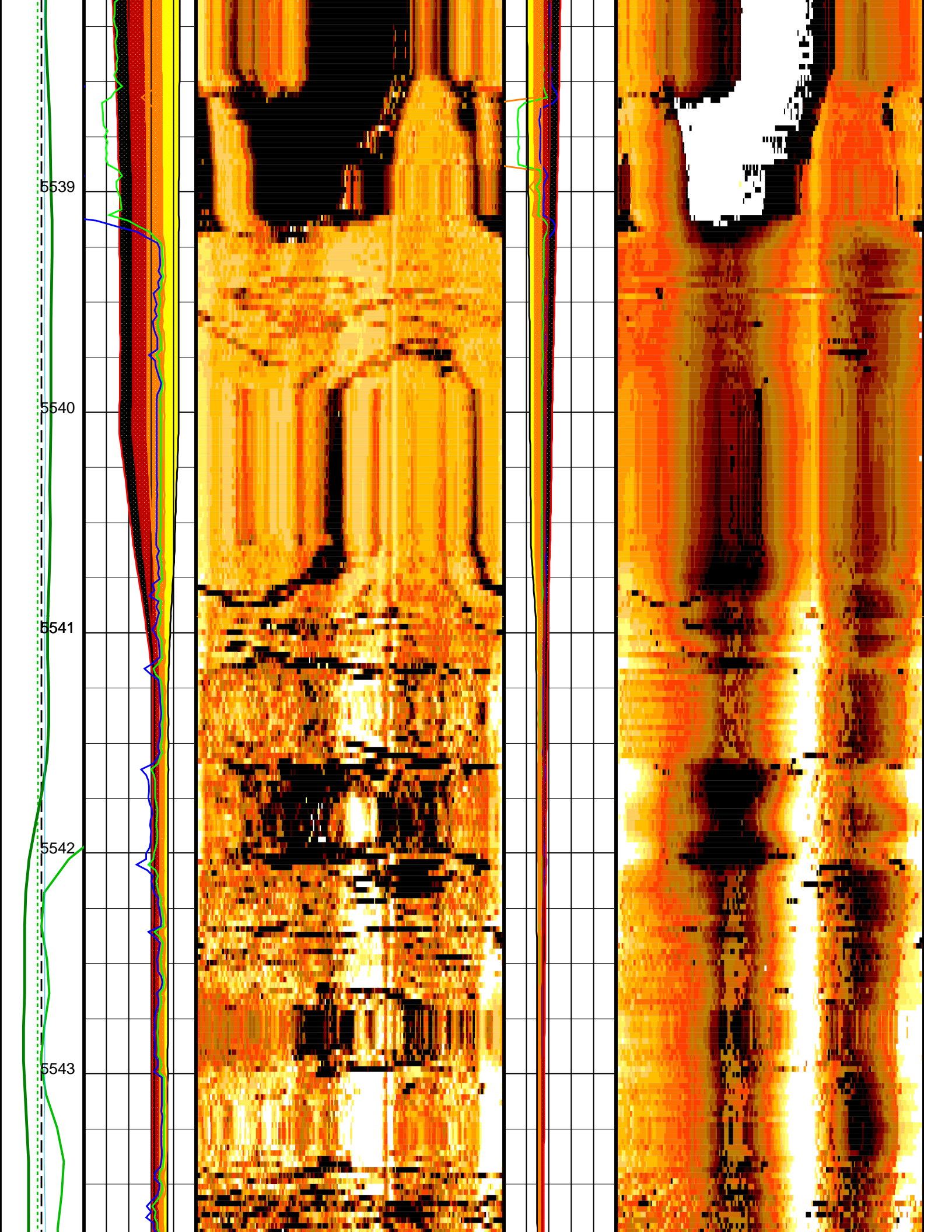
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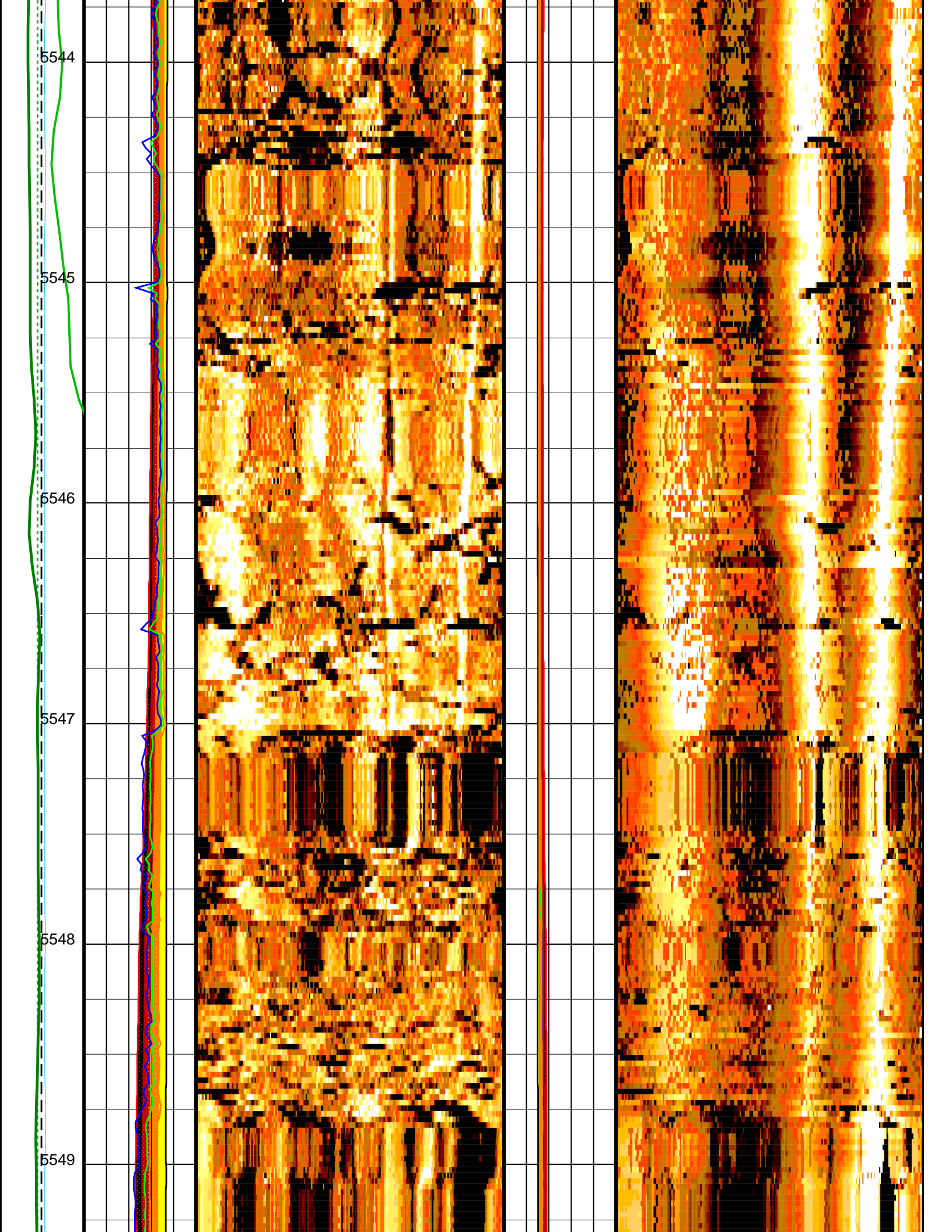


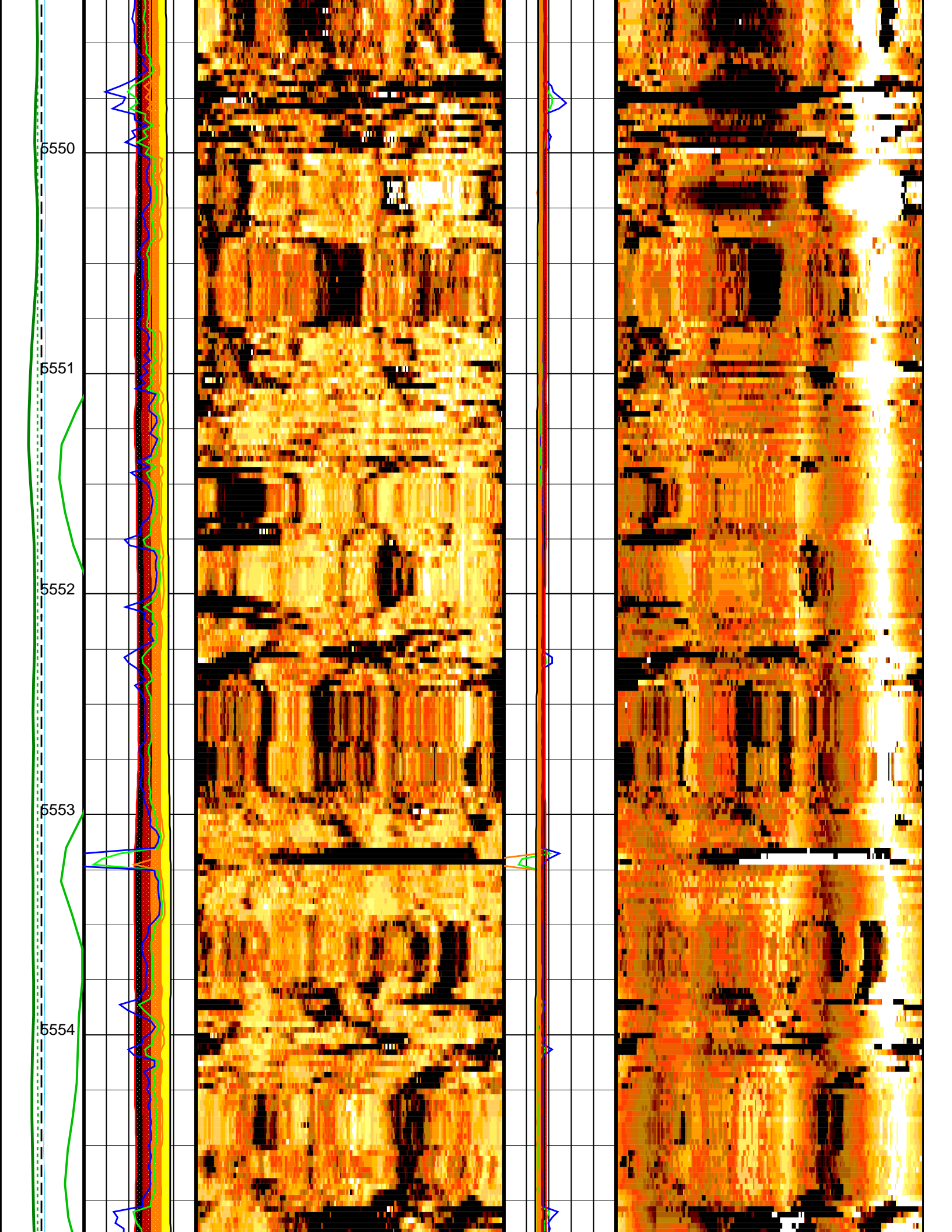


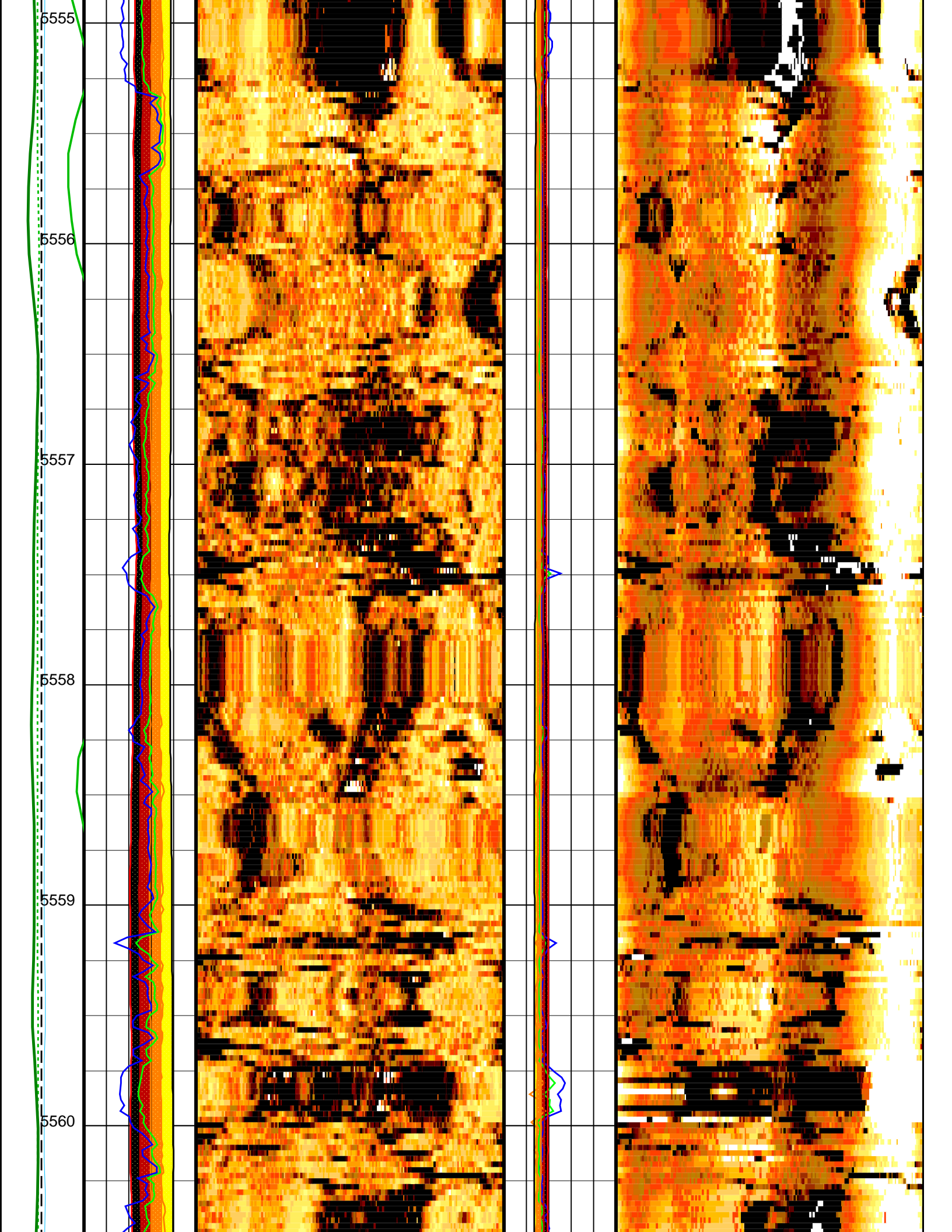












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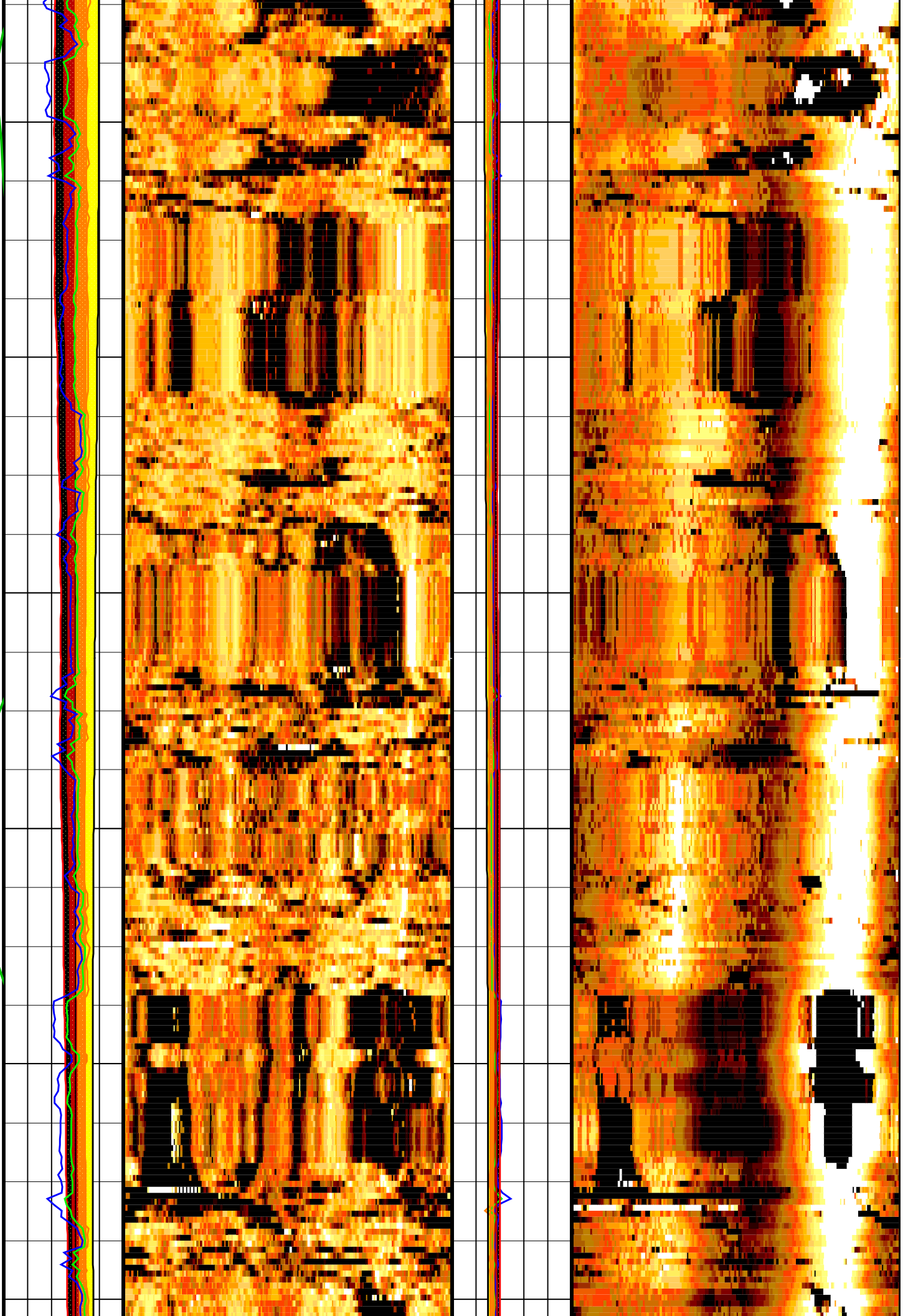
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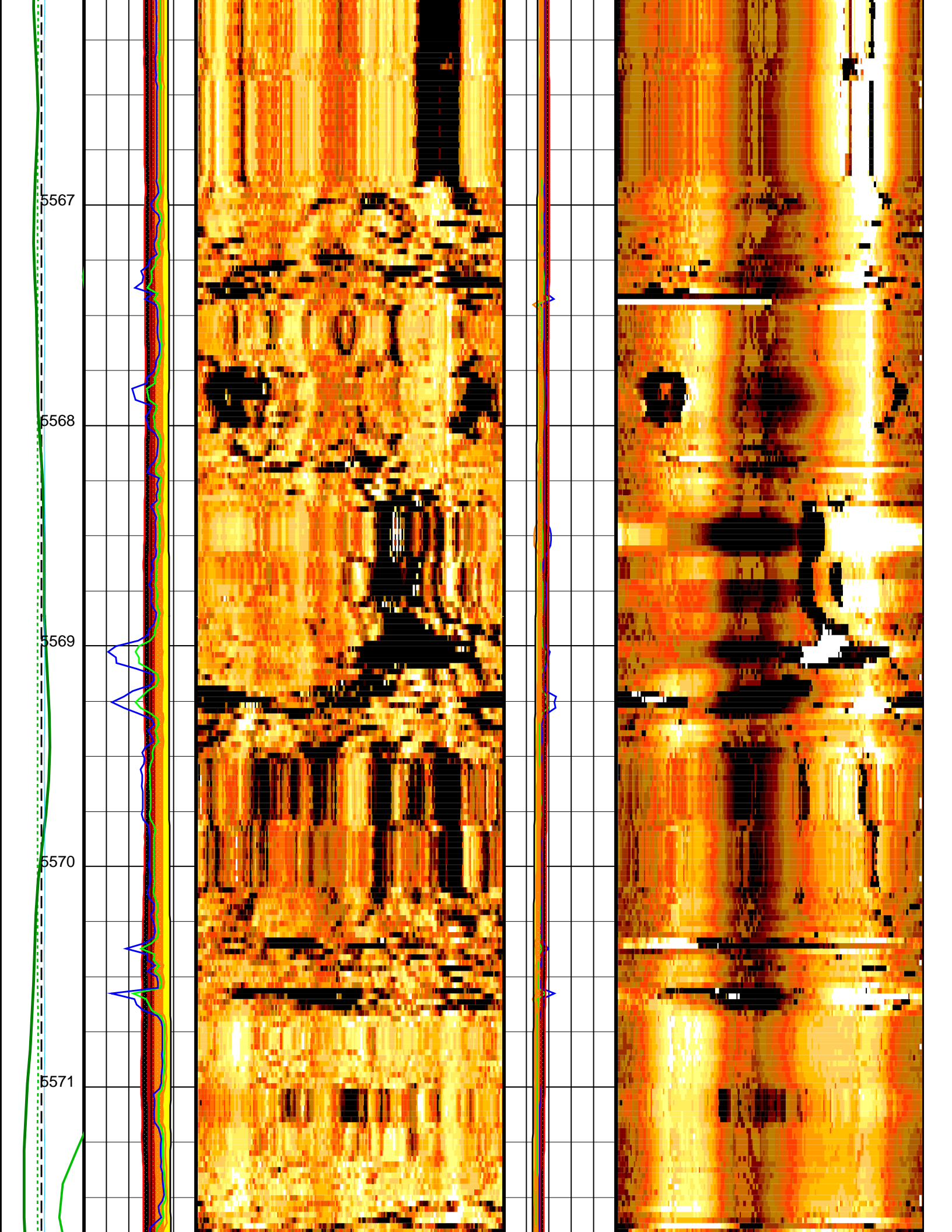
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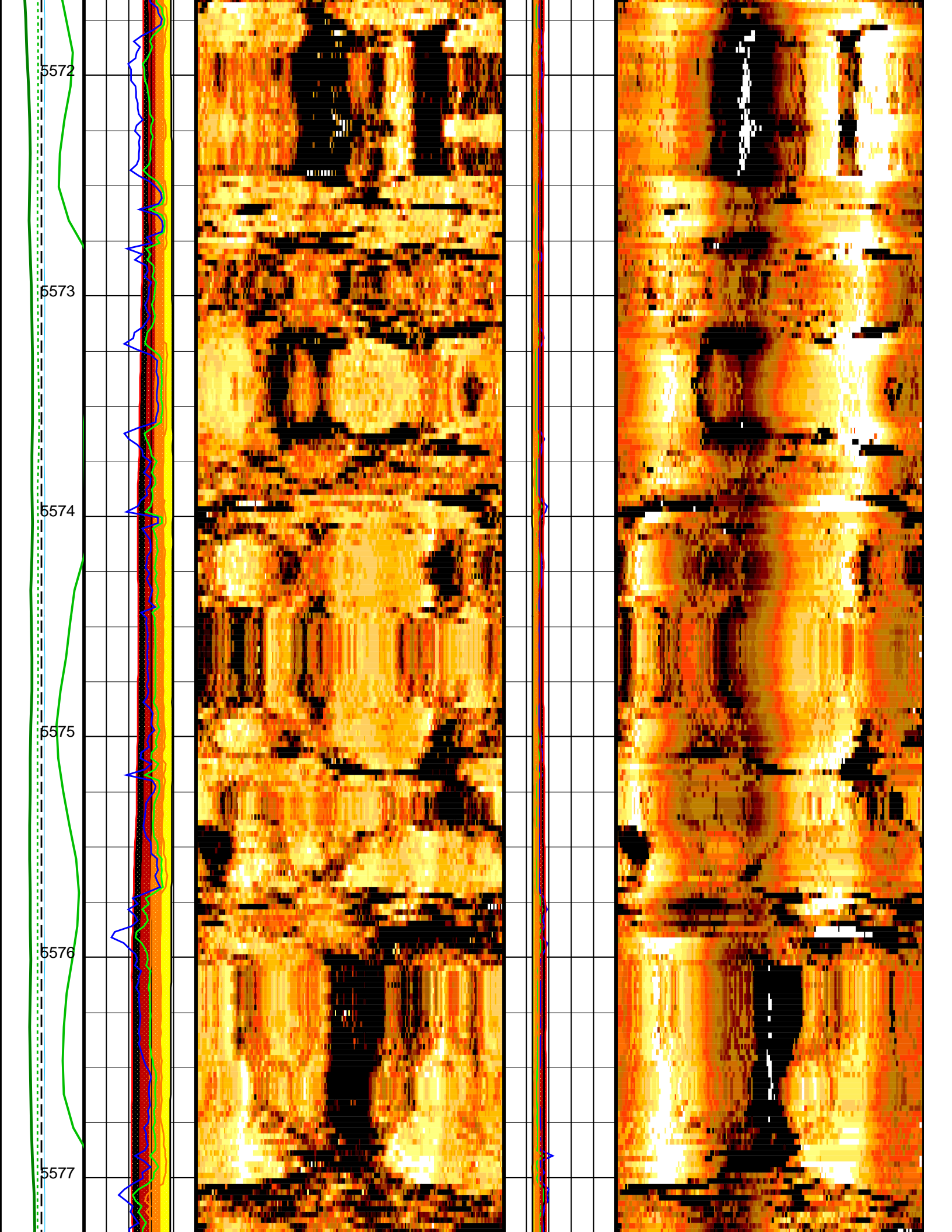
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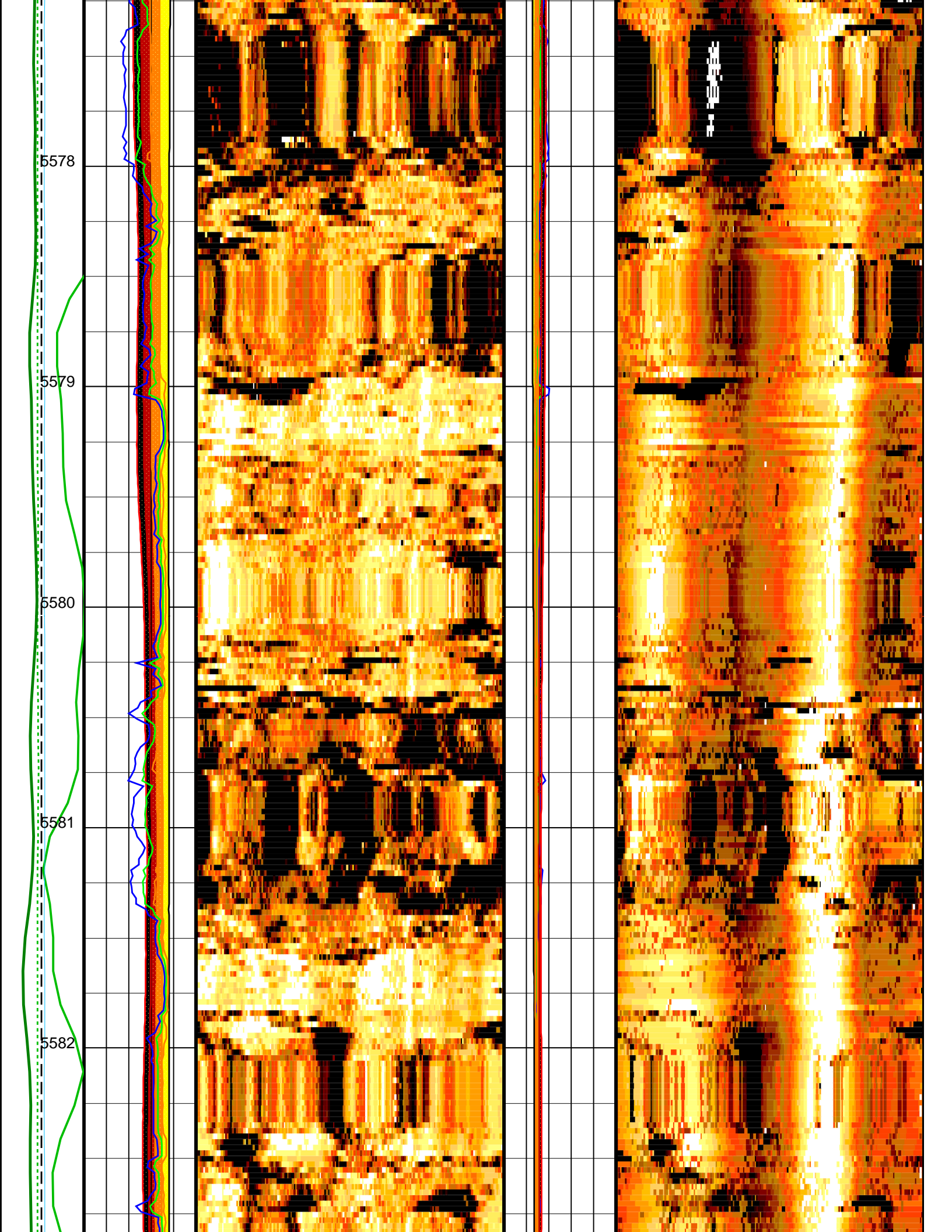
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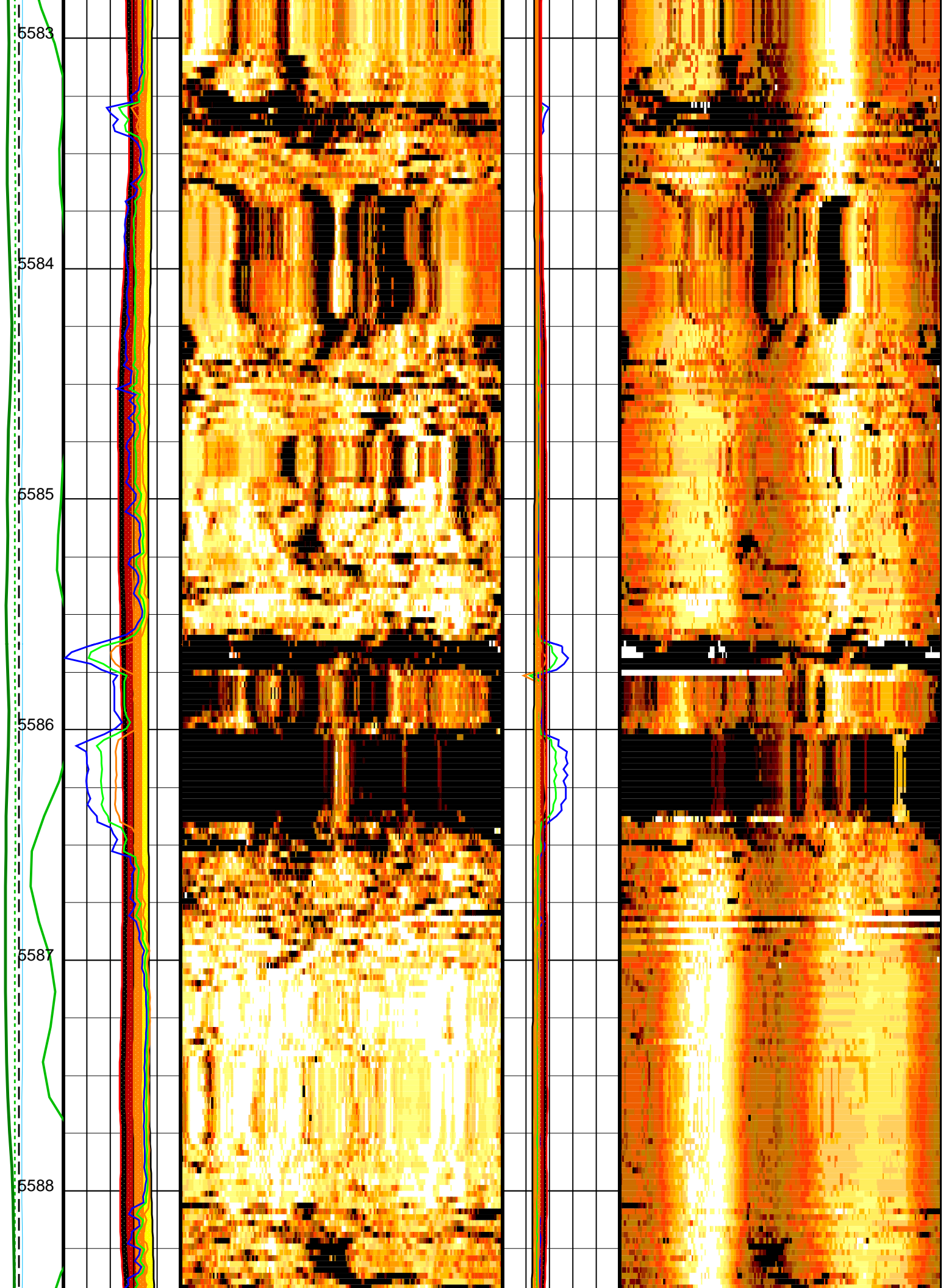
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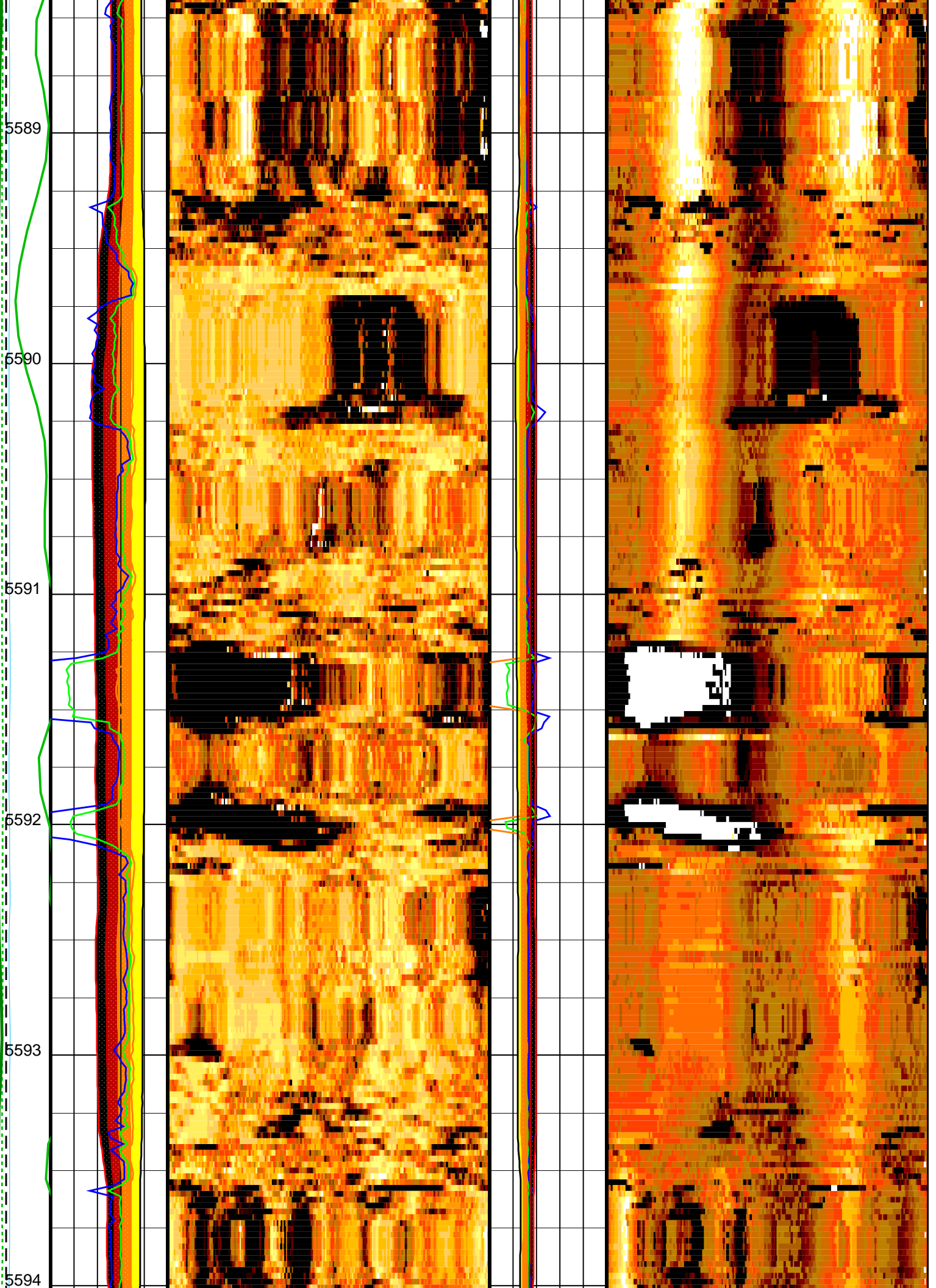


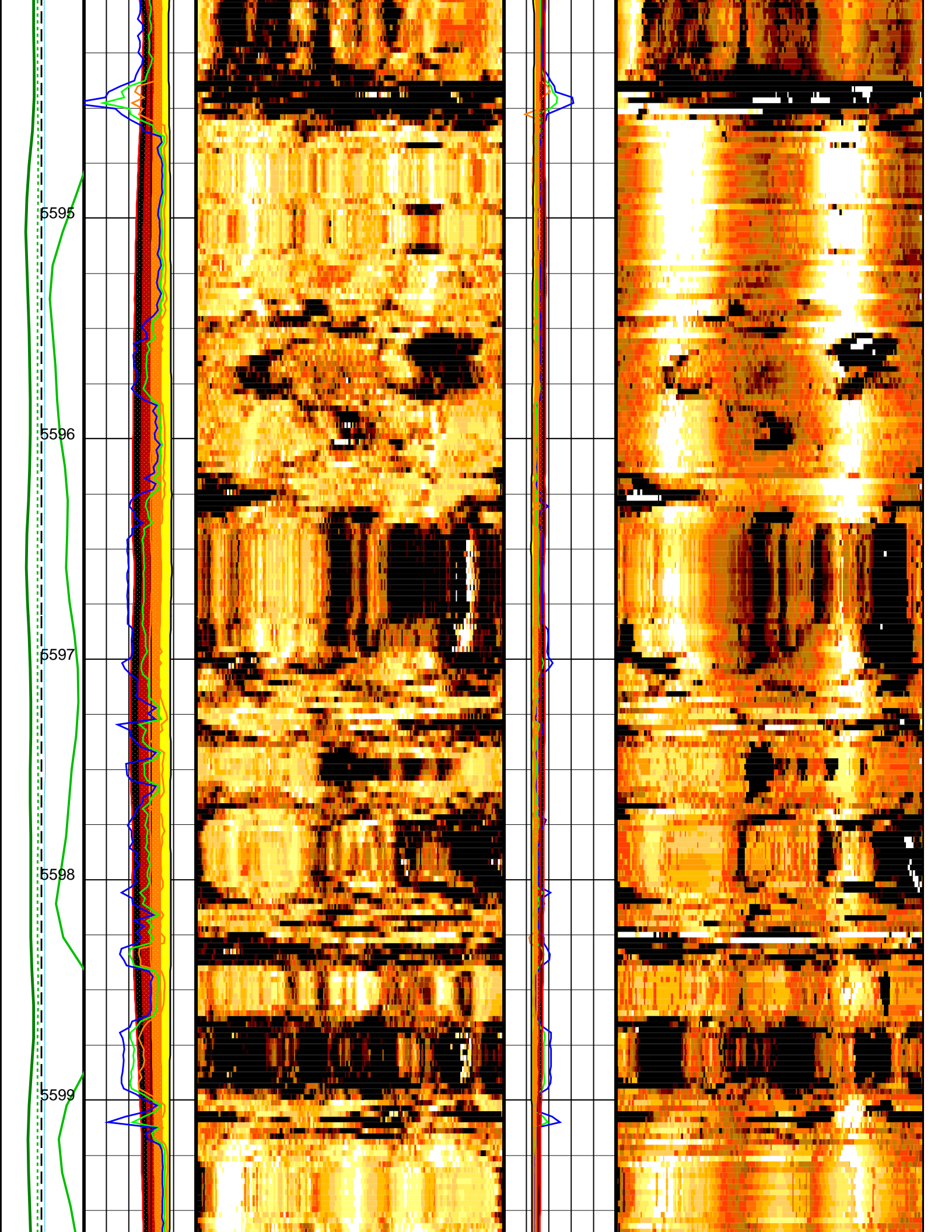


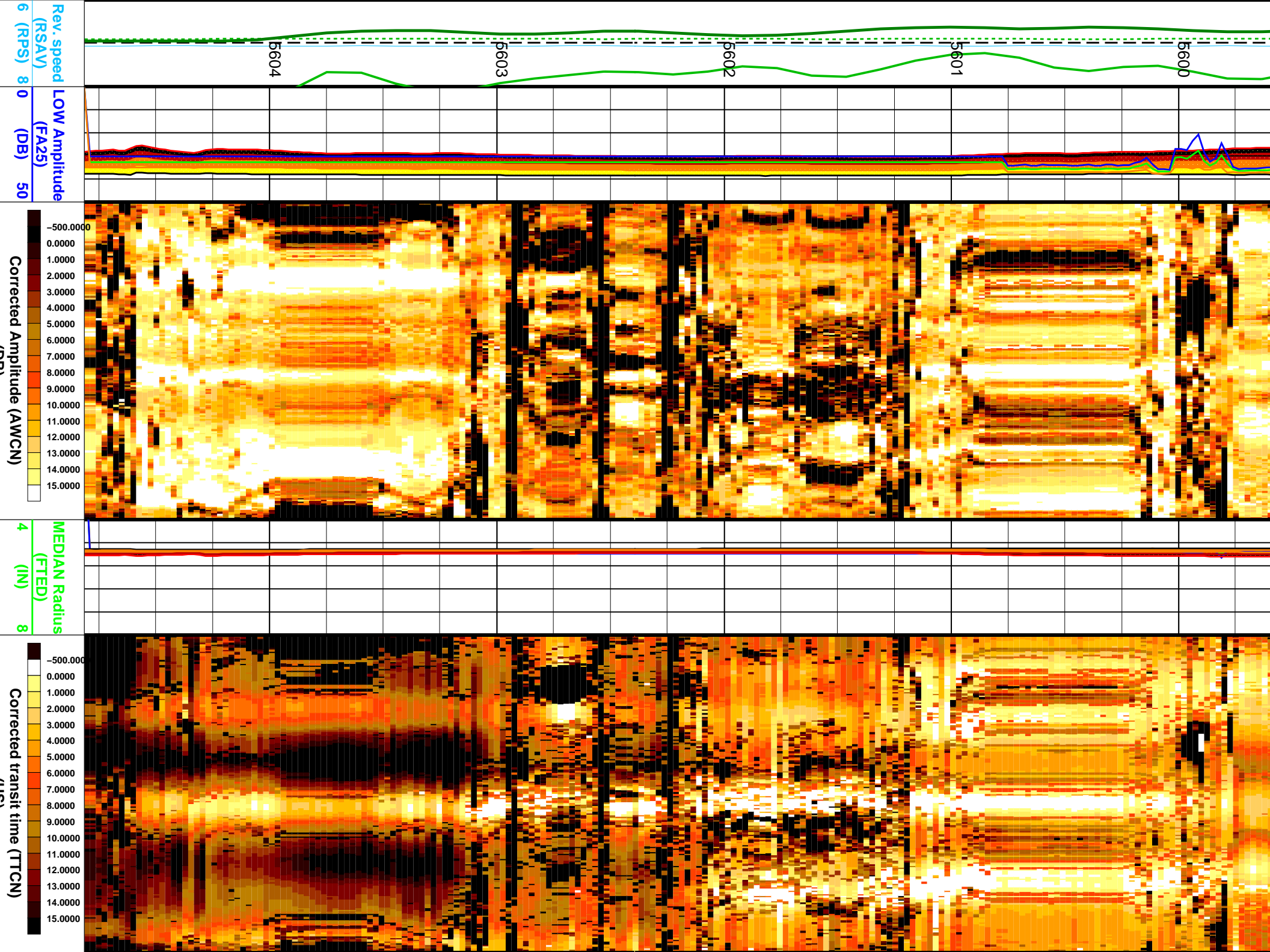












Cable Speed (CS) (M/HR) 0 1000	Min. of Amplitude (UAMN) (DB) 0 50	Radius LOW (FT25) (IN) 4 8
Fluid velocity (CFVL) (US/F) 150 250	Maximum of Amplitude (UAMX) (DB) 0 50	Radius HIGH (FT75) (IN) 4 8
Gamma Ray (GR_EDTC) (GAPI) 0 25	MEDIAN of Amplitude (FAED) (DB) 0 50	Radius min (UTMN) (IN) 4 8
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 100	HIGH Amplitude (FA75) (DB) 0 50	Radius max (UTMX) (IN) 4 8

Format: UBI_Image Vertical Scale: 1:20 Graphics File Created: 05-May-2022 16:25

OP System Version: 19C0-187

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

Parameters

DLIS Name	Description	Value
UBI-E: Ultrasonic Borehole Imager - E		
AAMN	Automatic Amplitude Minimum Scale	2 DB
ANGO	Angular Offset	20 DEG
ATMN	Automatic Transit Time Minimum Scale	2 US
CSID	Casing Inner Diameter	10.05 IN
DCMN	Window Decrement Down	0.8
DCMX	Window Decrement Up	0.6
DFVL	Default Fluid Velocity	199 US/F
DOT	Diameter of Tool	1.85 IN
ECRL	Eccentering Correction Level	FIRST
ERDB	Eccentering Rejection	12 DB
FDOS	FVEL Depth Offset	0 M
FMOS	FVEL Measurement Offset	0 US/F
GCSW	Gain Correction	ON
IMAR	Image Rotation	OFF
LIM1	Minimum Limit Control	AUTO
LIM2	Maximum Limit Control	MANUAL
NBCD	Color Correction Depth Level	80
NBLD	Eccentering Correction Depth Level	1
NCDI	Noise Correction Depth Interval	30
PNSW	Processing Noise Correction	ON
RCSO	Reference Calibrator Standoff	0.795 IN
RJ60	60 Hz Correction	ON
SWLV	Sliding Window Minimum	Inh_18us
SWMX	Sliding Window Maximum	Inh_167us
UFON	UBI Flagging of Lost Echoes	OFF
UGOS	UBI/UCI GPIT Offset	3.63 IN
USTO	Ultrasonic Time Offset	-3 US
USUB	UBI Sub Identifier	Sub_5_inch
UWKM	Current Working Mode	UBI7_SW500_180_1
APS-C: Accelerator-Porosity Tool		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
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	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00268656	
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	0.994983	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.98995	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
UHSV: UBI Hole Shape Analysis			
AAMN	Automatic Amplitude Minimum Scale	2	DB
ANGO	Angular Offset	20	DEG
ATMN	Automatic Transit Time Minimum Scale	2	US
CSID	Casing Inner Diameter	10.05	IN
DCMN	Window Decrement Down	0.8	
DCMX	Window Decrement Up	0.6	
DFVL	Default Fluid Velocity	199	US/F
DOT	Diameter of Tool	1.85	IN
ECRL	Eccentering Correction Level	FIRST	
ERDB	Eccentering Rejection	12	DB
FDOS	FVEL Depth Offset	0	M
FMOS	FVEL Measurement Offset	0	US/F
GCSW	Gain Correction	ON	
IMAR	Image Rotation	OFF	
LIM1	Minimum Limit Control	AUTO	
LIM2	Maximum Limit Control	MANUAL	
NBCD	Color Correction Depth Level	80	
NBLD	Eccentering Correction Depth Level	1	
NCDI	Noise Correction Depth Interval	30	
PNSW	Processing Noise Correction	ON	
RCSO	Reference Calibrator Standoff	0.795	IN
RJ60	60 Hz Correction	ON	
SWLV	Sliding Window Minimum	Inh_18us	
SWMX	Sliding Window Maximum	Inh_167us	
UFON	UBI Flagging of Lost Echoes	OFF	
UGOS	UBI/UCI GPIT Offset	3.63	IN
USTO	Ultrasonic Time Offset	-3	US
USUB	UBI Sub Identifier	Sub_5_inch	
UWKM	Current Working Mode	UBI7_SW500_180_1	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.03	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	Flip_UBI_APS_NGS_050LUP	PRODUCER	05-May-2022 16:24	5604.8 M	4976.6 M
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Output DLIS Files

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Schlumberger

First Up Pass

Output DLIS Files

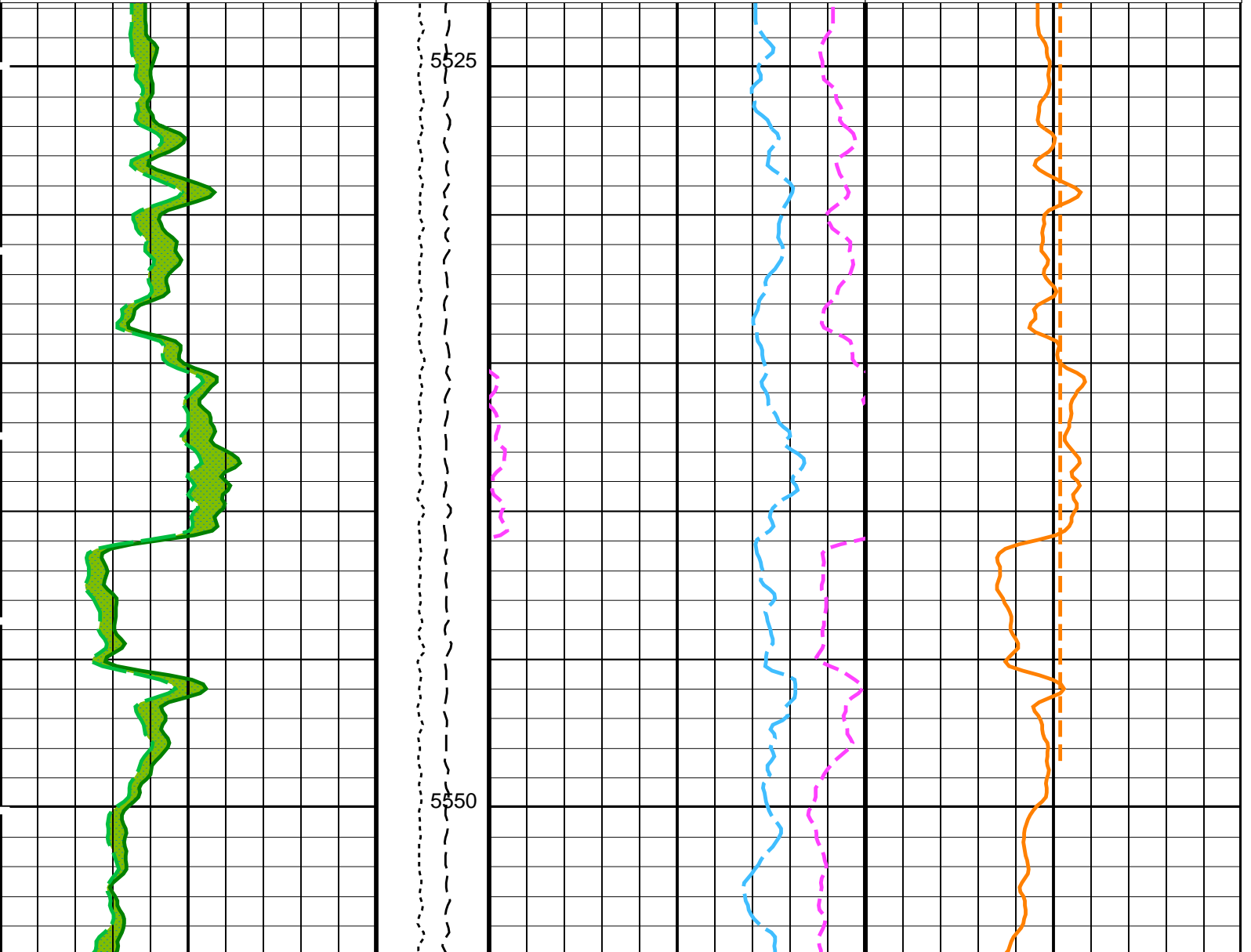
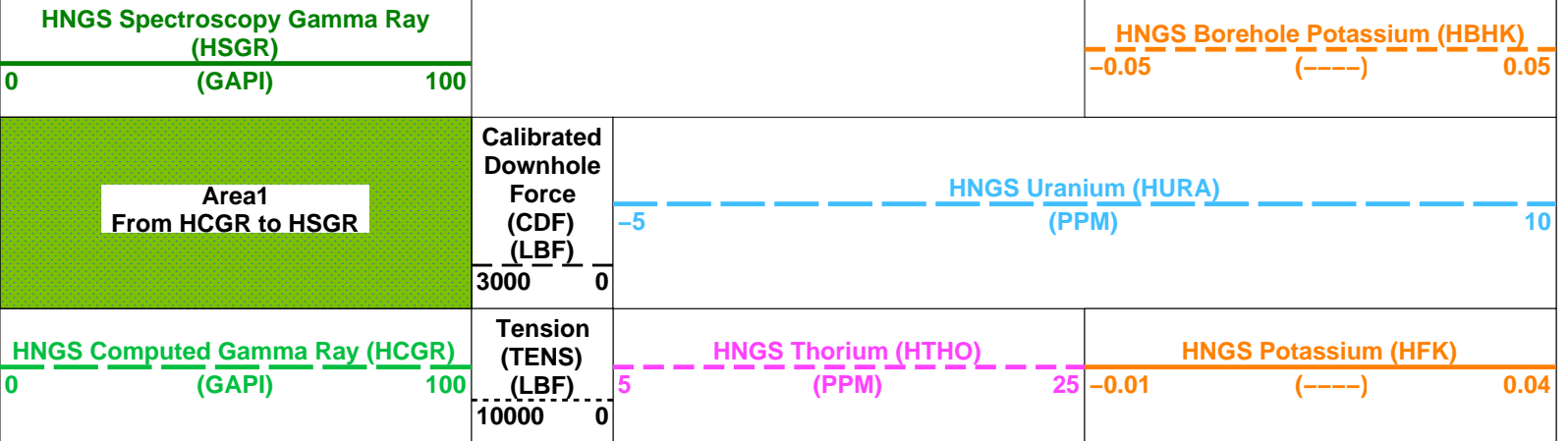
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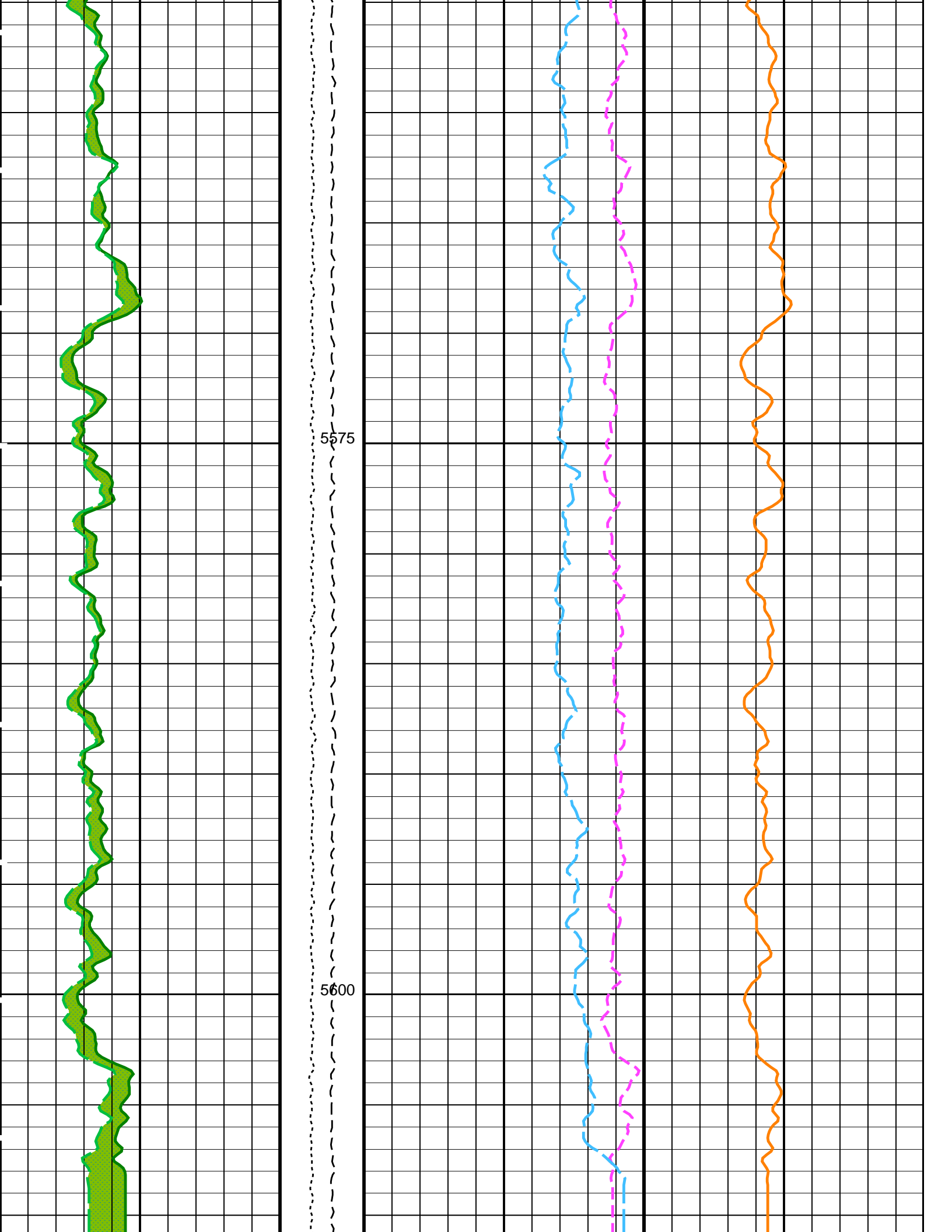
OP System Version: 19C0-187

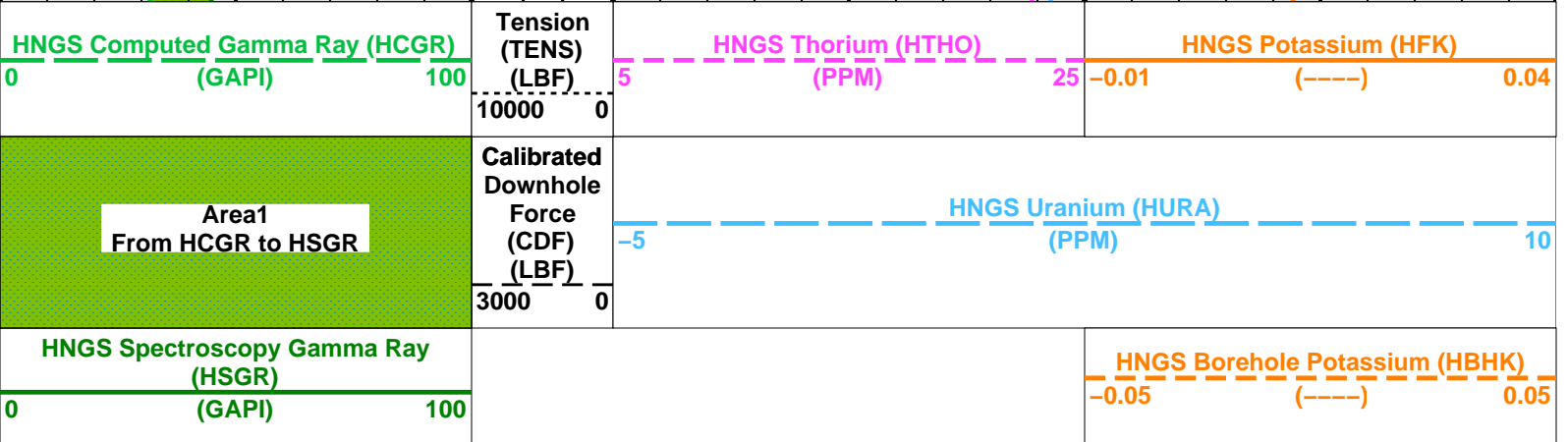
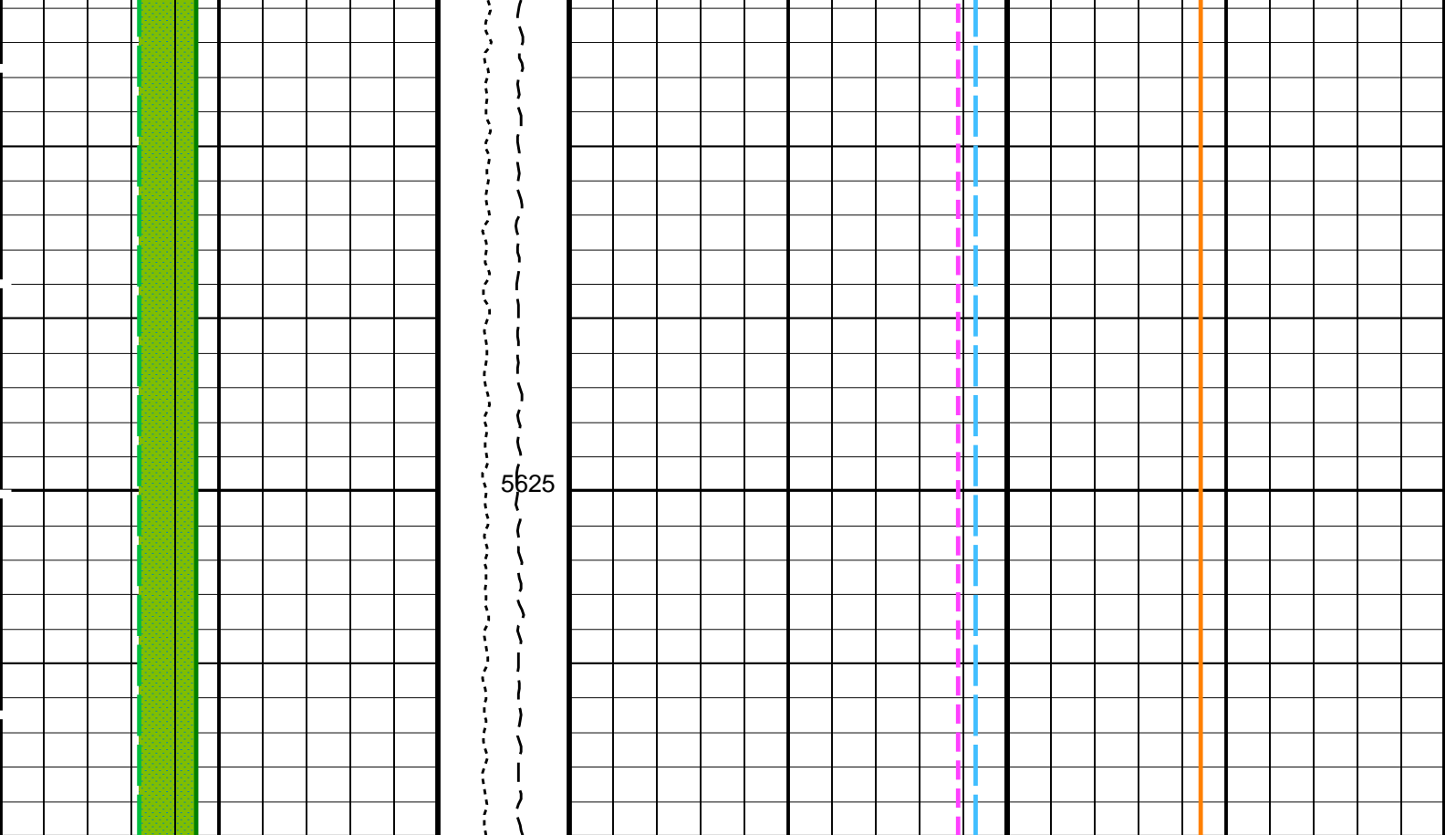
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DTA-A	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

Time Mark Every 60 S







PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
APS-C: Accelerator-Porosity Tool		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
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	BS
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	-0.00246236
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	1.03003	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.02579	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.03	G/C3

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 05-May-2022 13:12

OP System Version: 19C0-187			
UBI-E	SRPC-5095-H2-2011-OP19	GPIT-A/B	19C0-187
DTA-A	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

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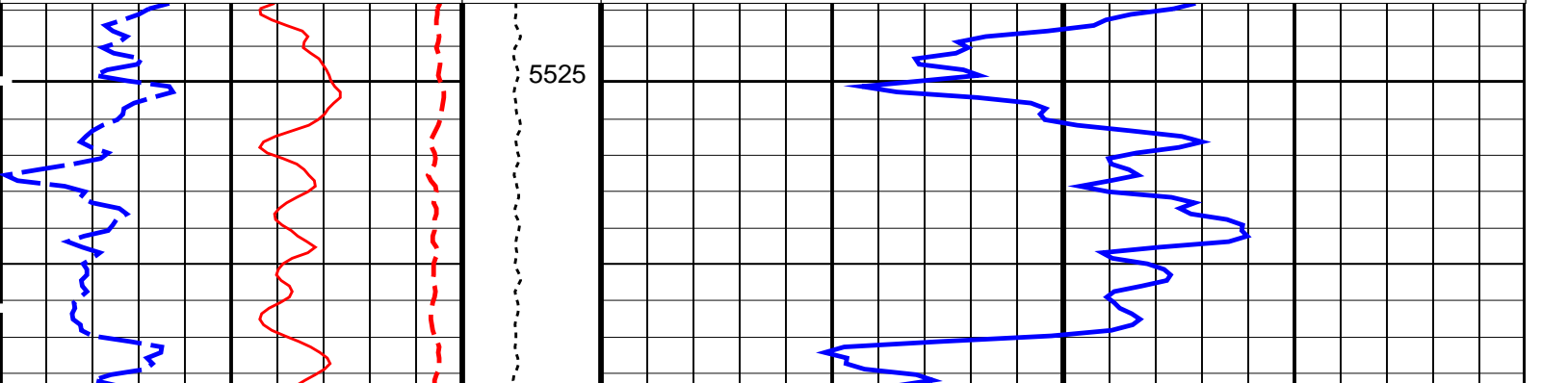
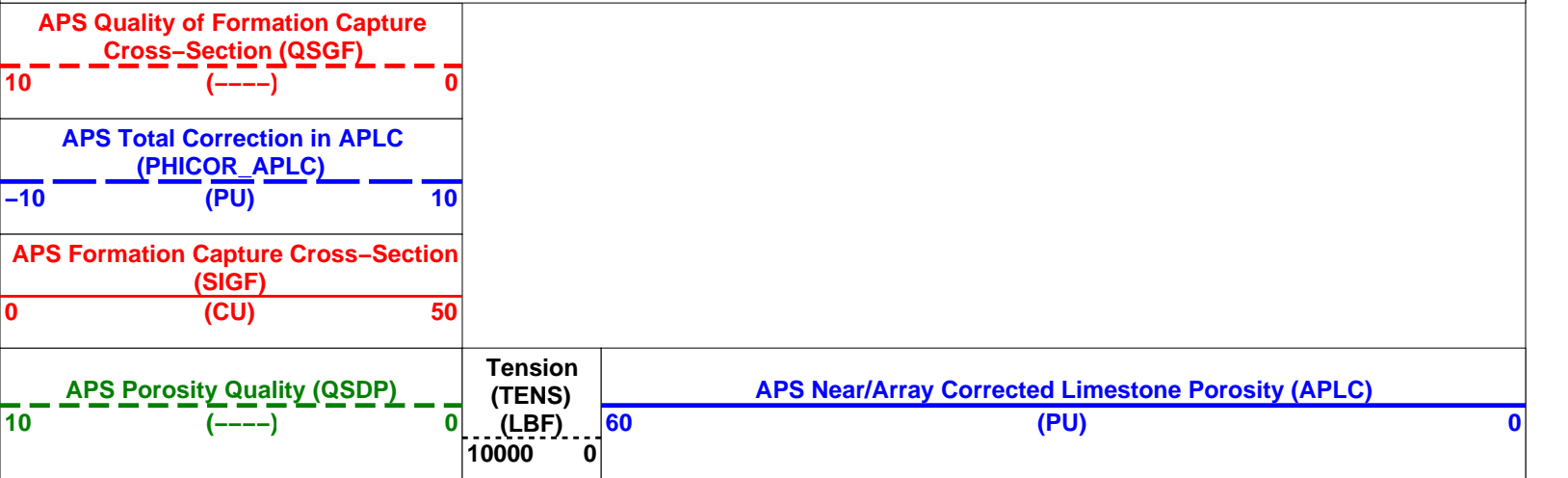
Company: International Ocean Discovery Program Well: Expedition 390, Site U1556B

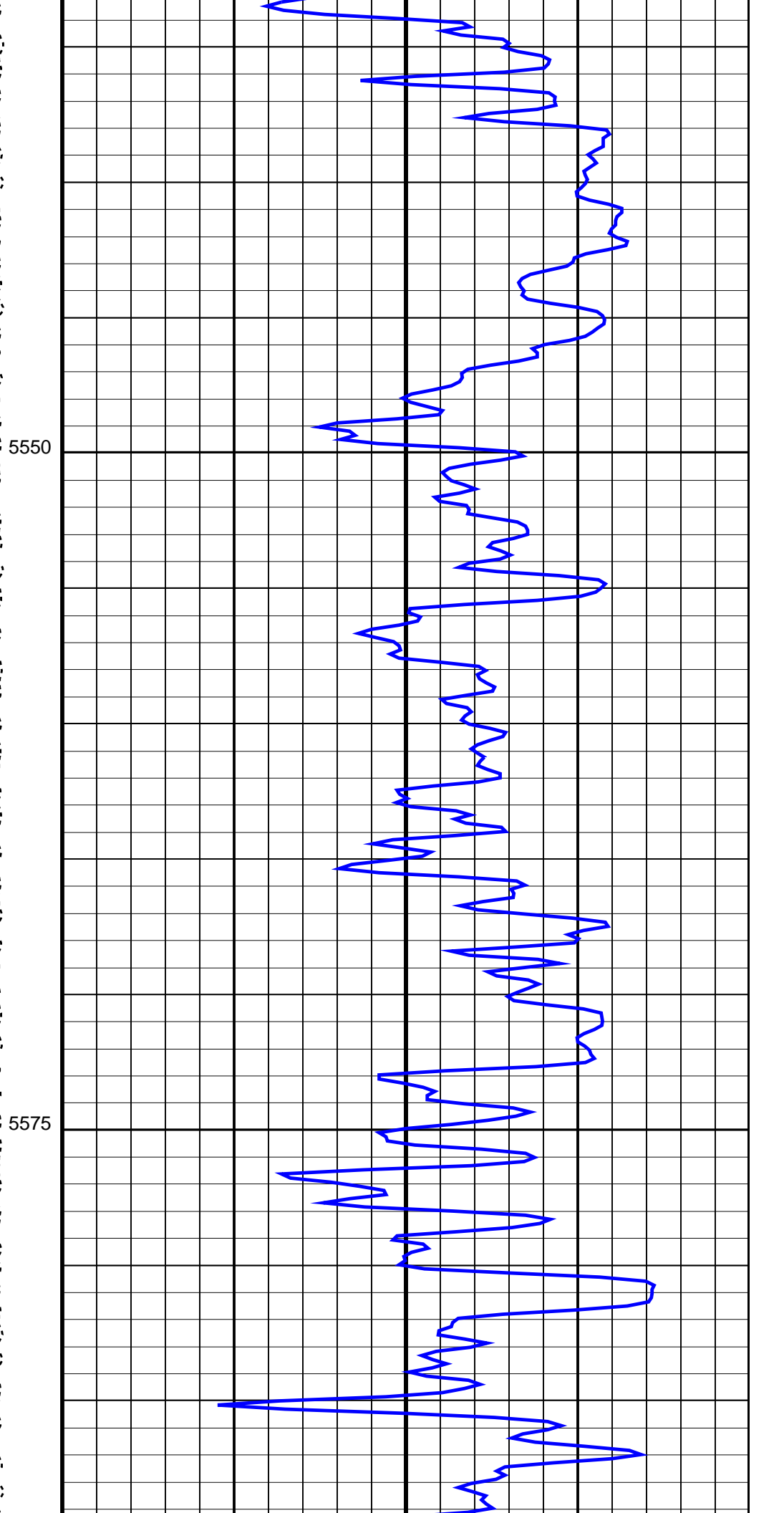
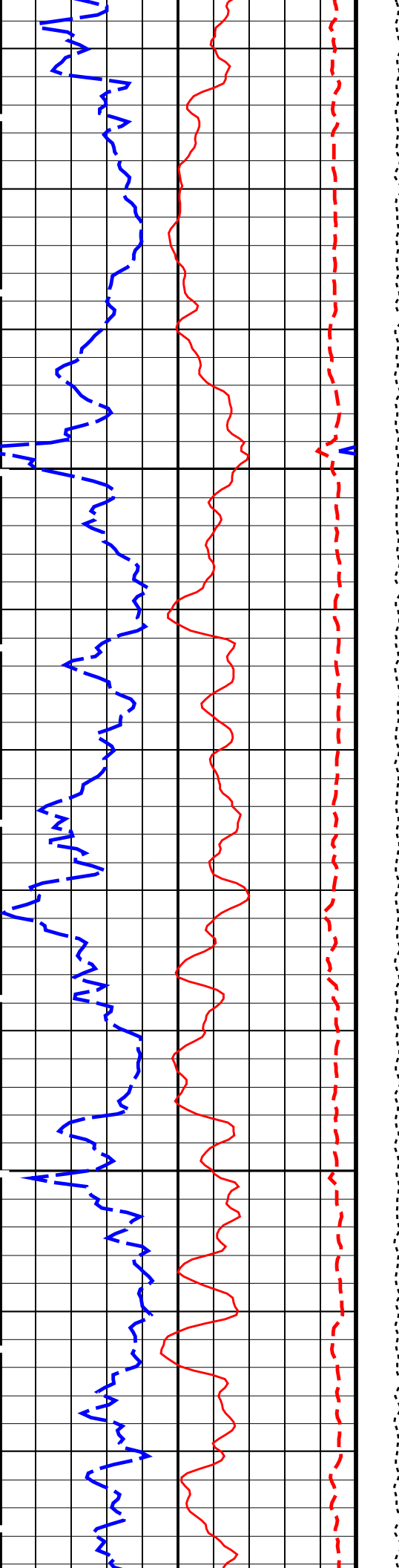
Output DLIS Files			
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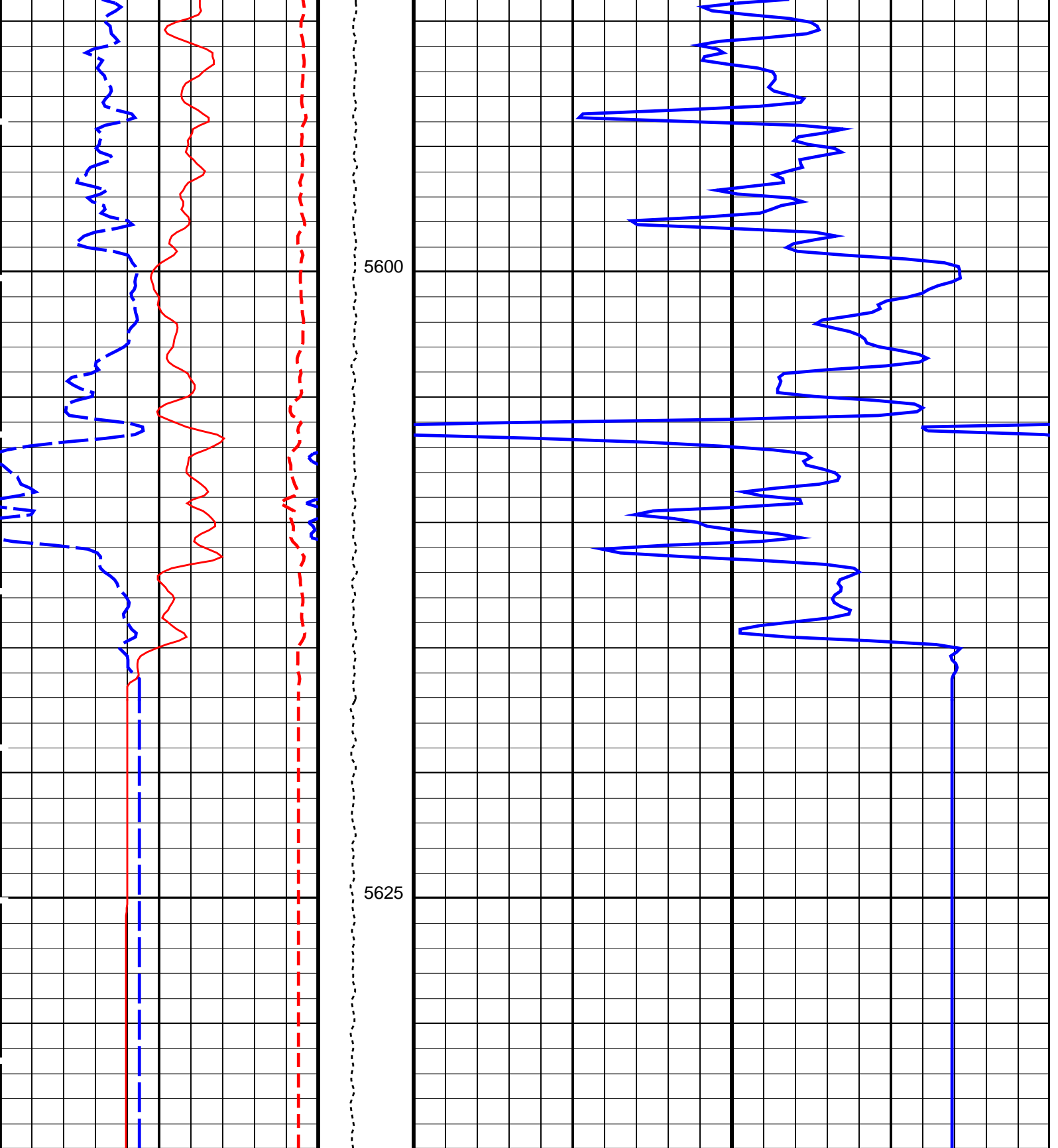
OP System Version: 19C0-187			
UBI-E	SRPC-5095-H2-2011-OP19	GPIT-A/B	19C0-187
DTA-A	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

Time Mark Every 60 S







APS Porosity Quality (QSDP)
 (----)
 10 0

Tension (TENS)
 (LBF)
 10000 0

APS Near/Array Corrected Limestone Porosity (APLC)
 (PU)
 60 0

APS Formation Capture Cross-Section (SIGF)
 (CU)
 0 50

APS Total Correction in APLC (PHICOR_APLC)
 (PU)
 -10 10

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
UBI-E: Ultrasonic Borehole Imager - E			
	UBI Tool Working Mode for Measurement	UBI7_SW500_180_1	
	Vertical Resolution	IN: 1.0	
	Default Fluid Velocity	203	US/F
	UBI Tool Working Mode for FPM	UBIC_FW500_140_RAW	
APS-C: Accelerator-Porosity Tool			
	APS Software Version	5	
AASD	APS Thermal and Array Detectors High Voltage Setting	1976.24	V
ADSO	APS Array Detectors Data Source Switch	Both	
AFSD	APS Far Detector High Voltage Setting	2067.55	V
AHCS	APS Holesize Correction Source	GCSE	
AHSS	APS Holesize Correction Switch	ON	
AMTY	APS Environmental Corrections Mud Type	WaterBaseBarite	
ANSD	APS Near Detector High Voltage Setting	1737.8	V
ASOS	APS Standoff Correction Switch	ON	
ATSS	APS Temperature-Pressure-Salinity Correction Switch	ON	
BHFL_APS	APS TNPH Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC
BSCO_APS	APS TNPH Borehole Salinity Correction Option	NO	
DPPM	Density Porosity Processing Mode	HIRS	
DSCO_APS	APS TNPH Density Source Correction Option	MEASURED	
FSAL	Formation Salinity	-50000	PPM
FSCO_APS	APS TNPH Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HSCO_APS	APS TNPH Hole Size Correction Option	YES	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO_APS	APS TNPH Mud Cake Correction Option	YES	
MCOR_APS	APS TNPH Mud Correction	NATU	
MWCO_APS	APS TNPH Mud Weight Correction Option	YES	
NARC	APS Near/Array Calibration Ratio	1.08341	
NFRC	APS Near/Far Calibration Ratio	0.942369	
PTCO_APS	APS TNPH Pressure/Temperature Correction Option	NO	
SHT	Surface Hole Temperature	20	DEGC
TNCO_APS	APS TNPH Computation Option	YES	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	20	DEGC
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC
DPPM	Density Porosity Processing Mode	HIRS	
FSAL	Formation Salinity	-50000	PPM
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	20	DEGC
UHSV: UBI Hole Shape Analysis			
	UBI Tool Working Mode for Measurement	UBI7_SW500_180_1	
	Vertical Resolution	IN: 1.0	
	Default Fluid Velocity	203	US/F
	UBI Tool Working Mode for FPM	UBIC_FW500_140_RAW	
System and Miscellaneous			
BS	Bit Size	9.875	IN
BSAL	Borehole Salinity	38000.00	PPM
CWEI	Casing Weight	168.00	LB/F
DFD	Drilling Fluid Density	1.03	G/C3

FLEV	Fluid Level	-50000.00	M
MST	Mud Sample Temperature	23.00	DEGC
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
TD	Total Depth	9345.14	FT

Format: APSLiquidPorosity Vertical Scale: 1:200 Graphics File Created: 05-May-2022 13:12

OP System Version: 19C0-187

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

Output DLIS Files

DEFAULT	UBI_APS_NGS_046LUP	FN:51	PRODUCER	05-May-2022 13:12
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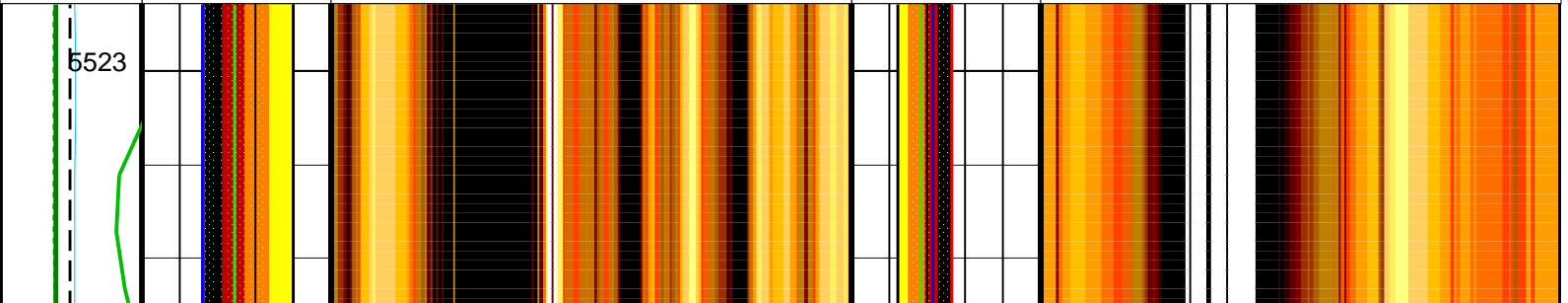
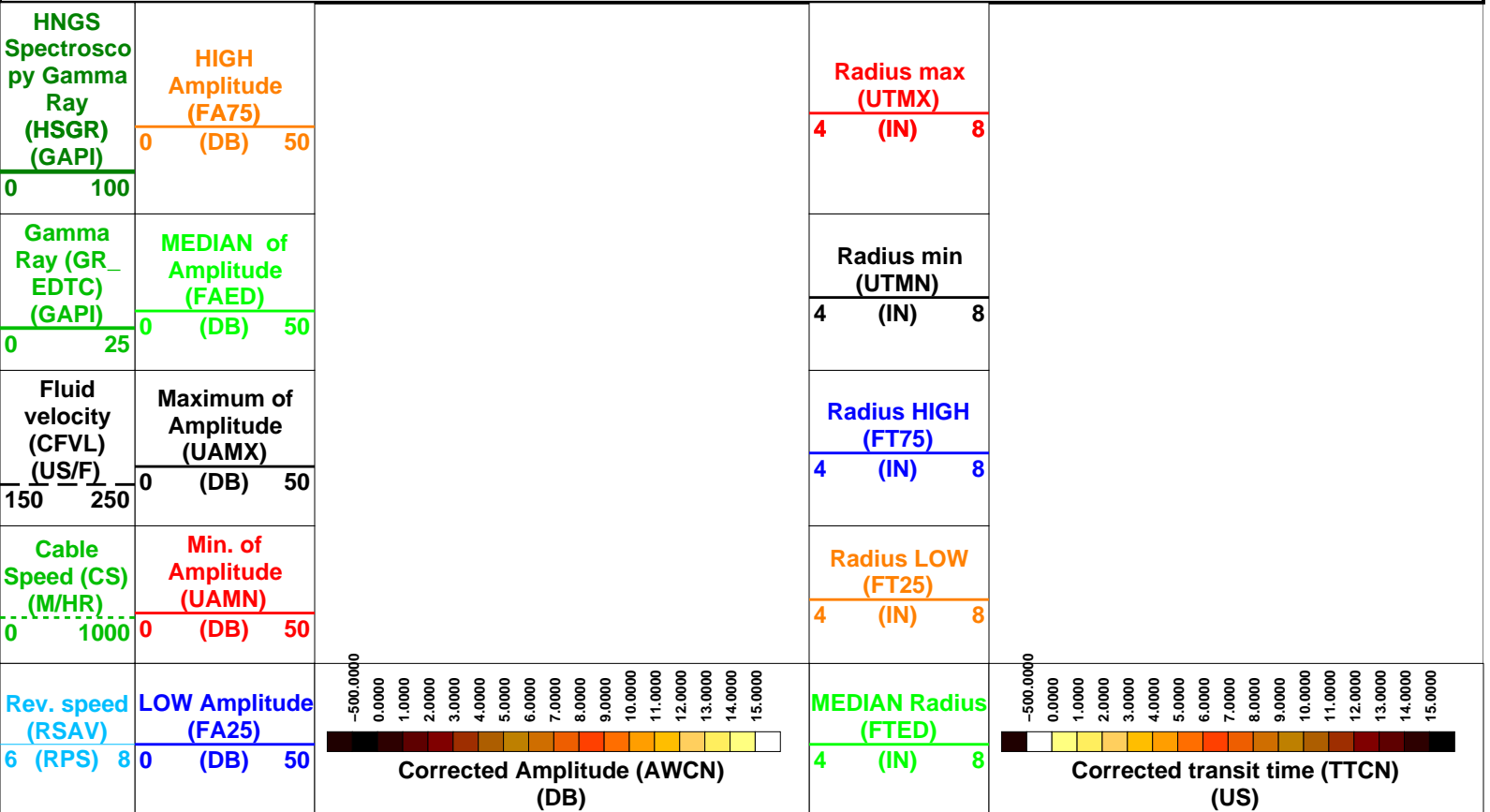
Company: International Ocean Discovery Program Well: Expedition 390, Site U1556B

Output DLIS Files

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OP System Version: 19C0-187

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



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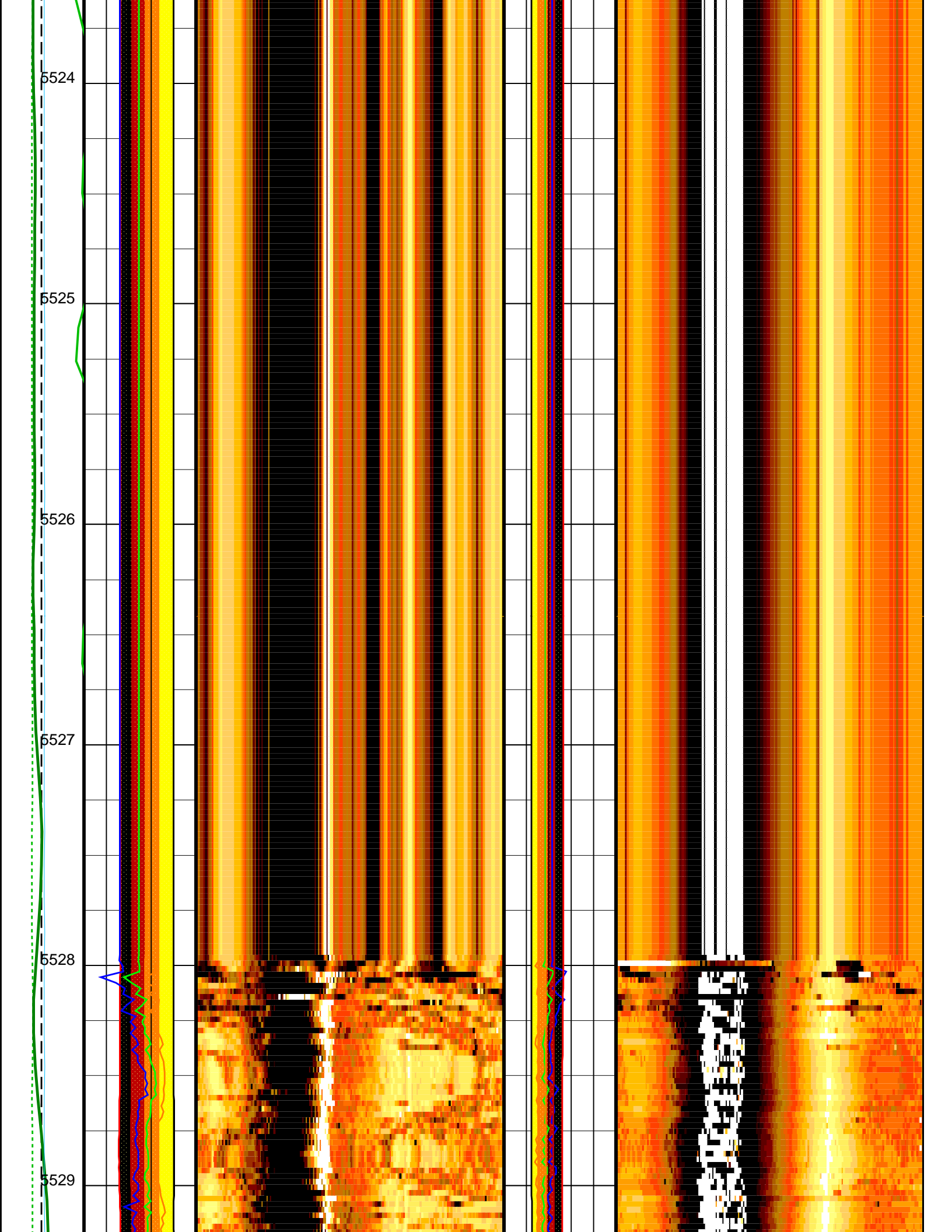
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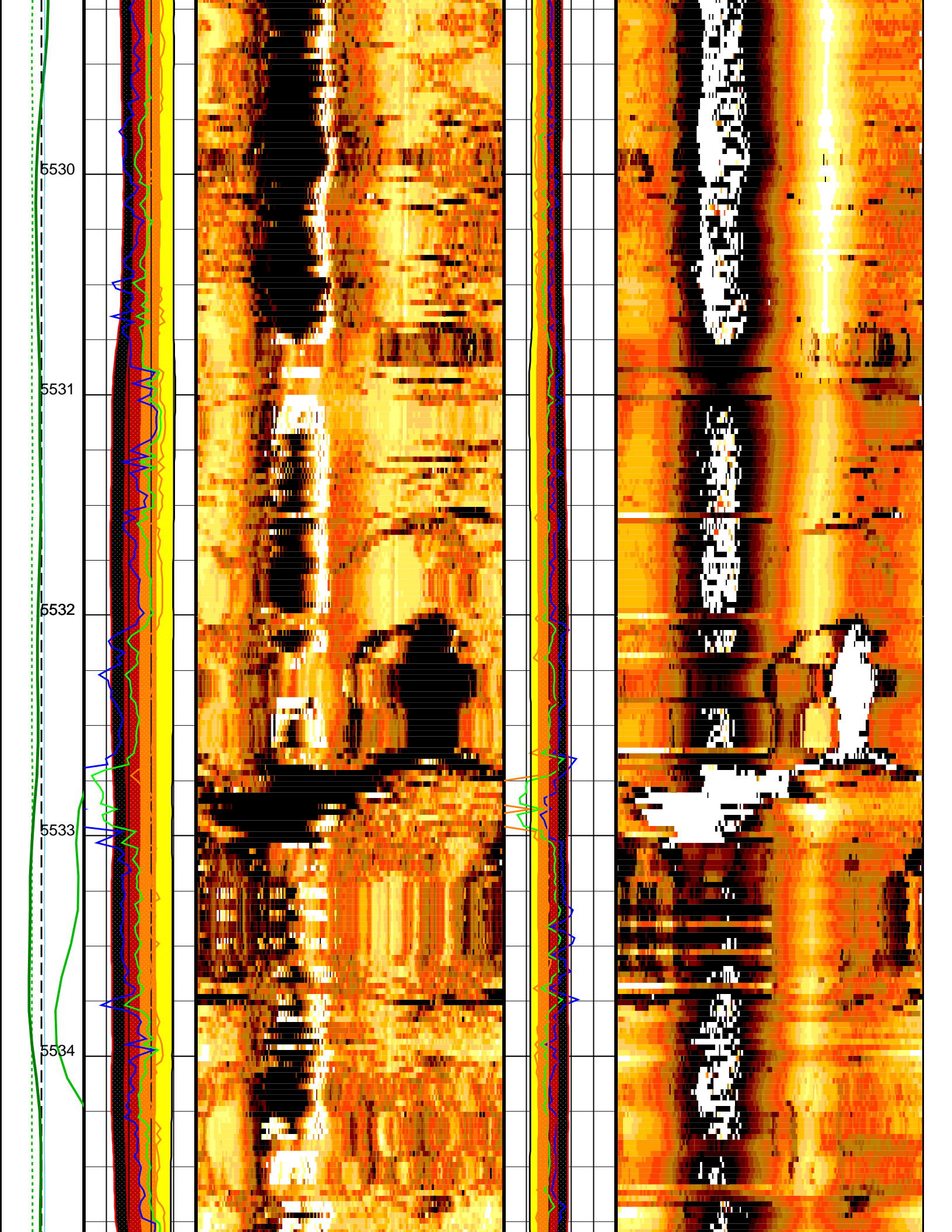
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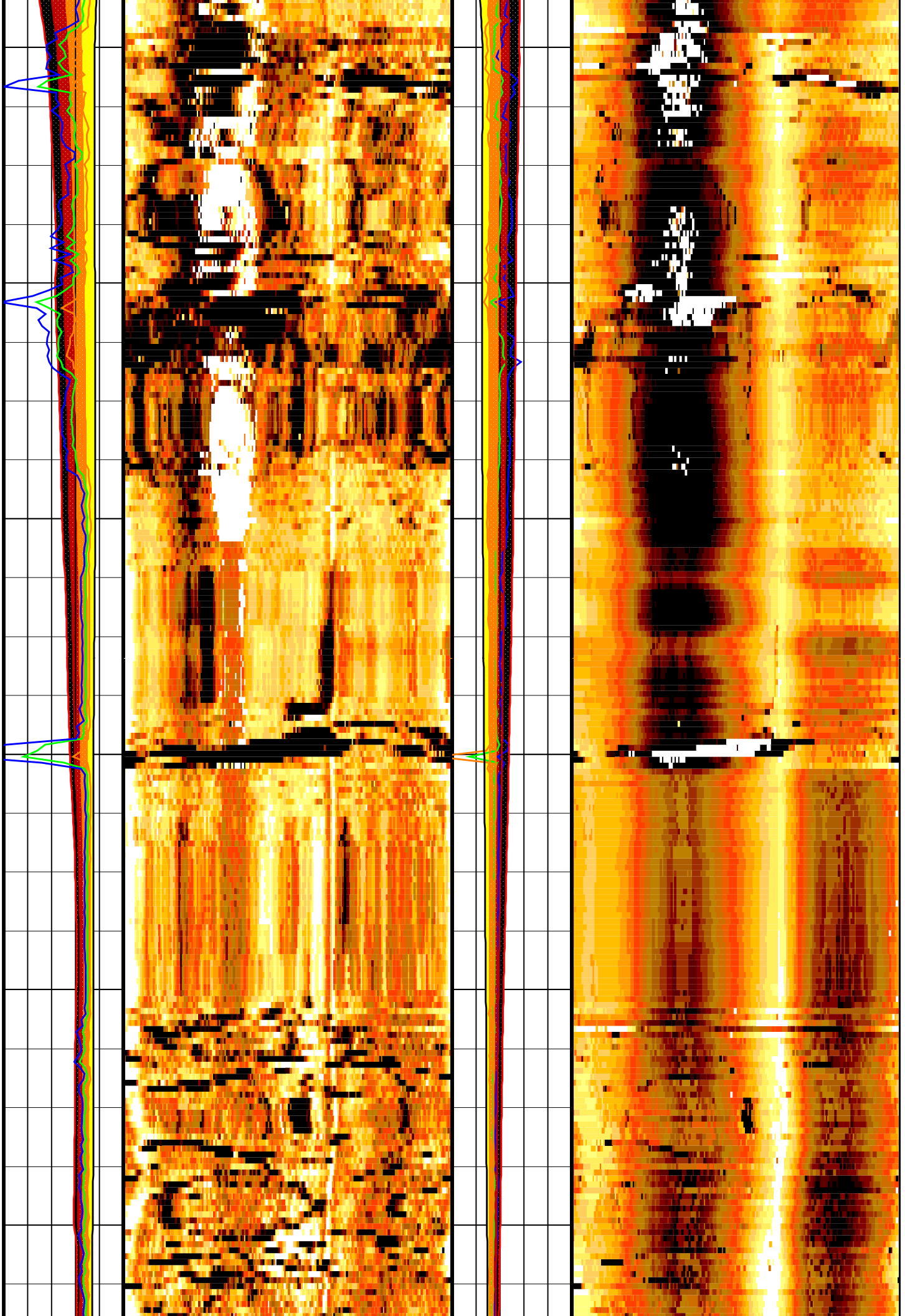
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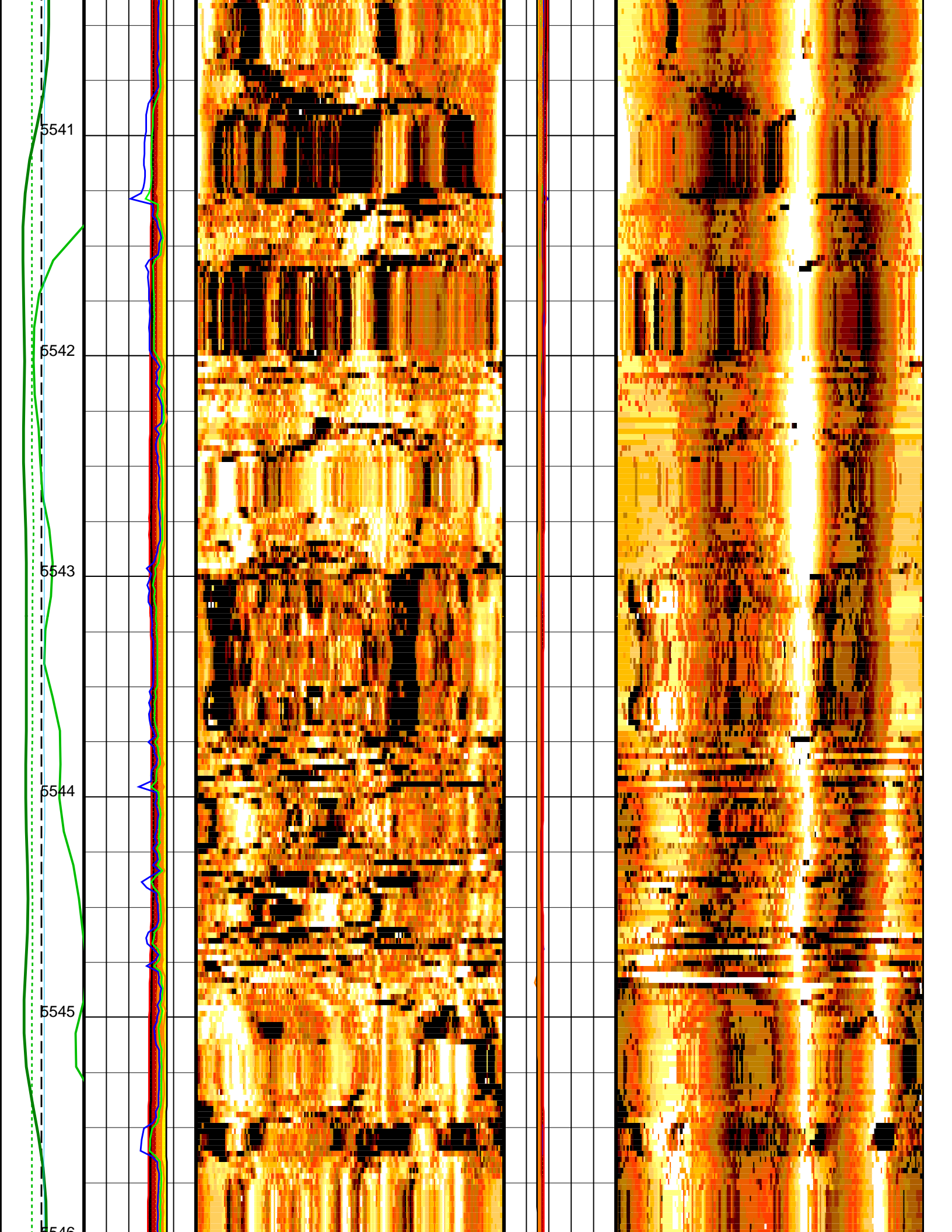
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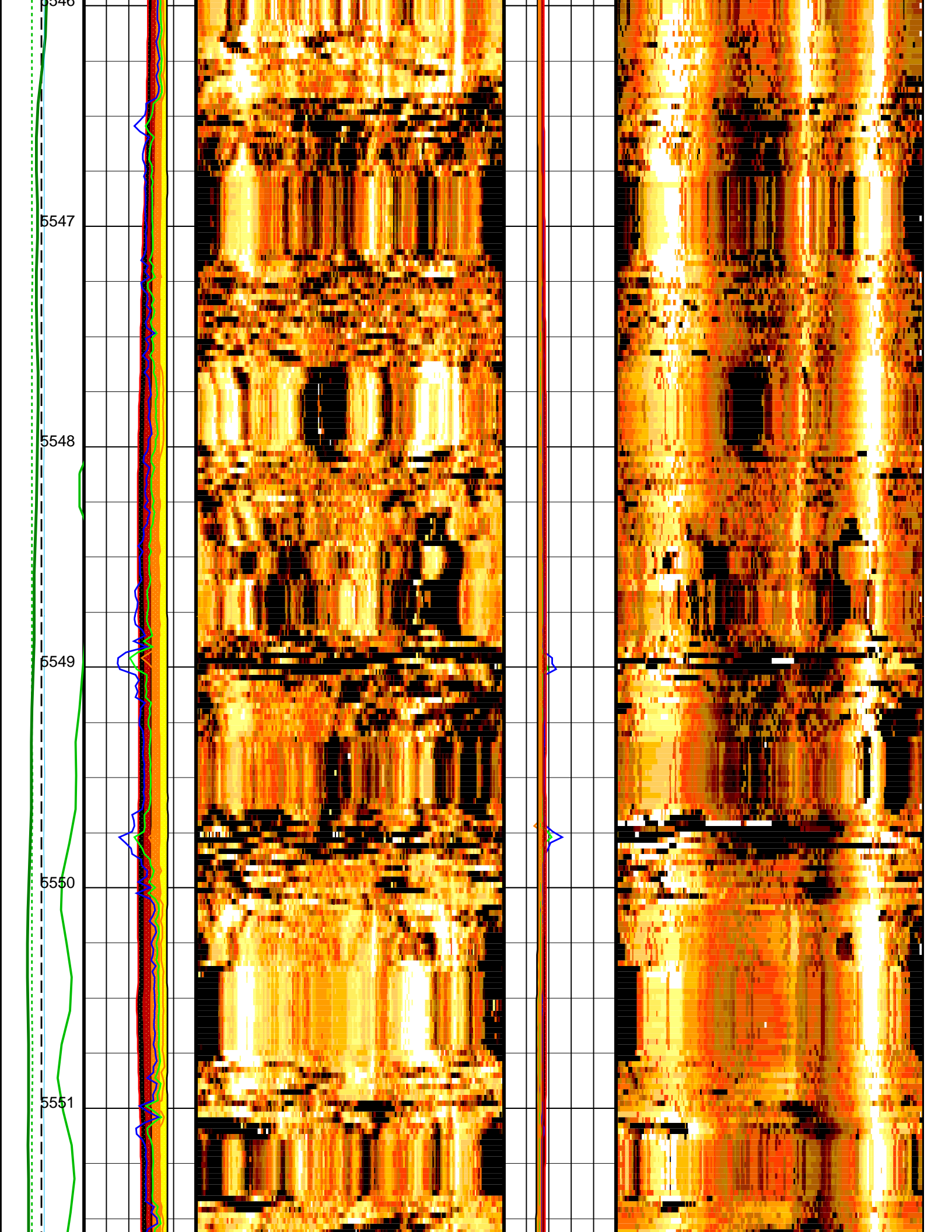


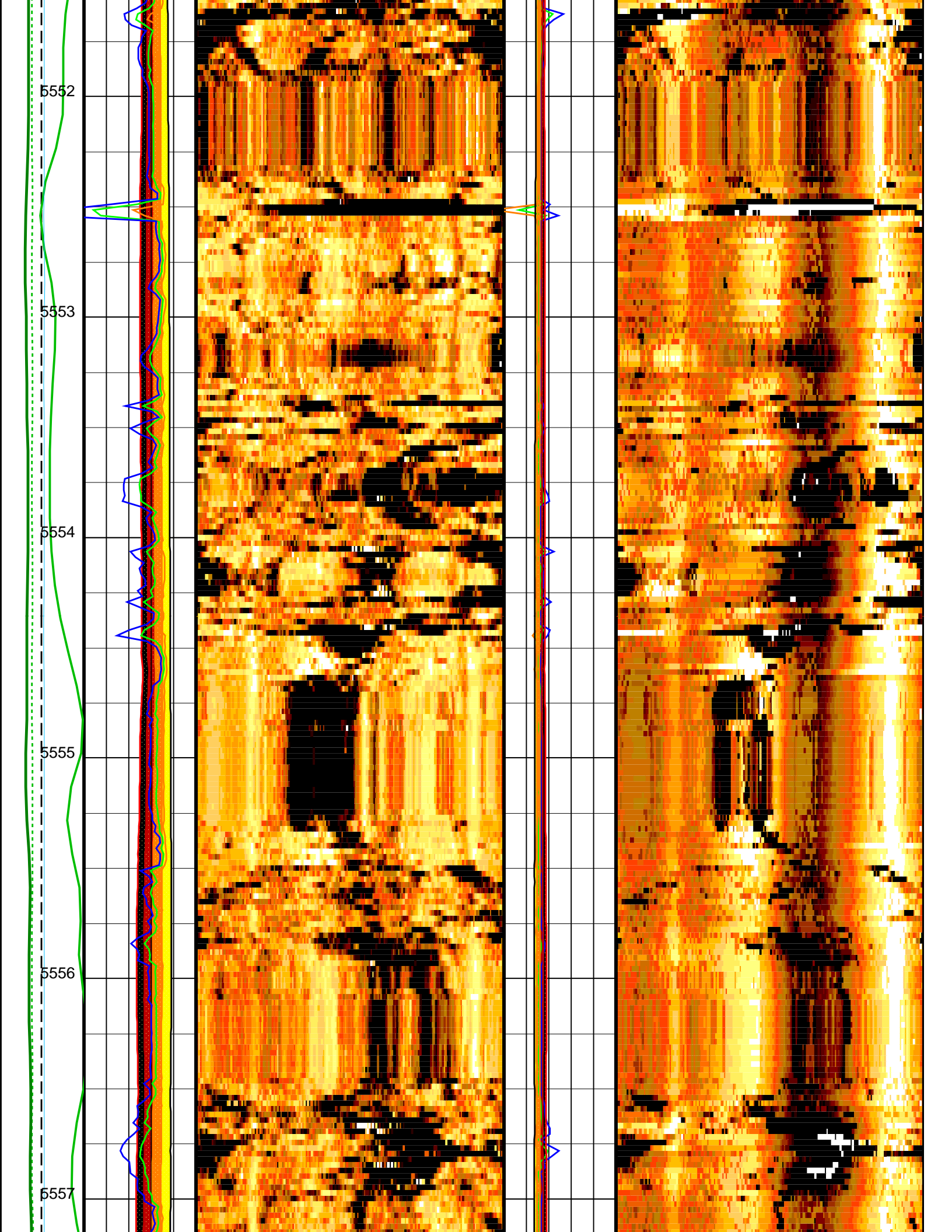


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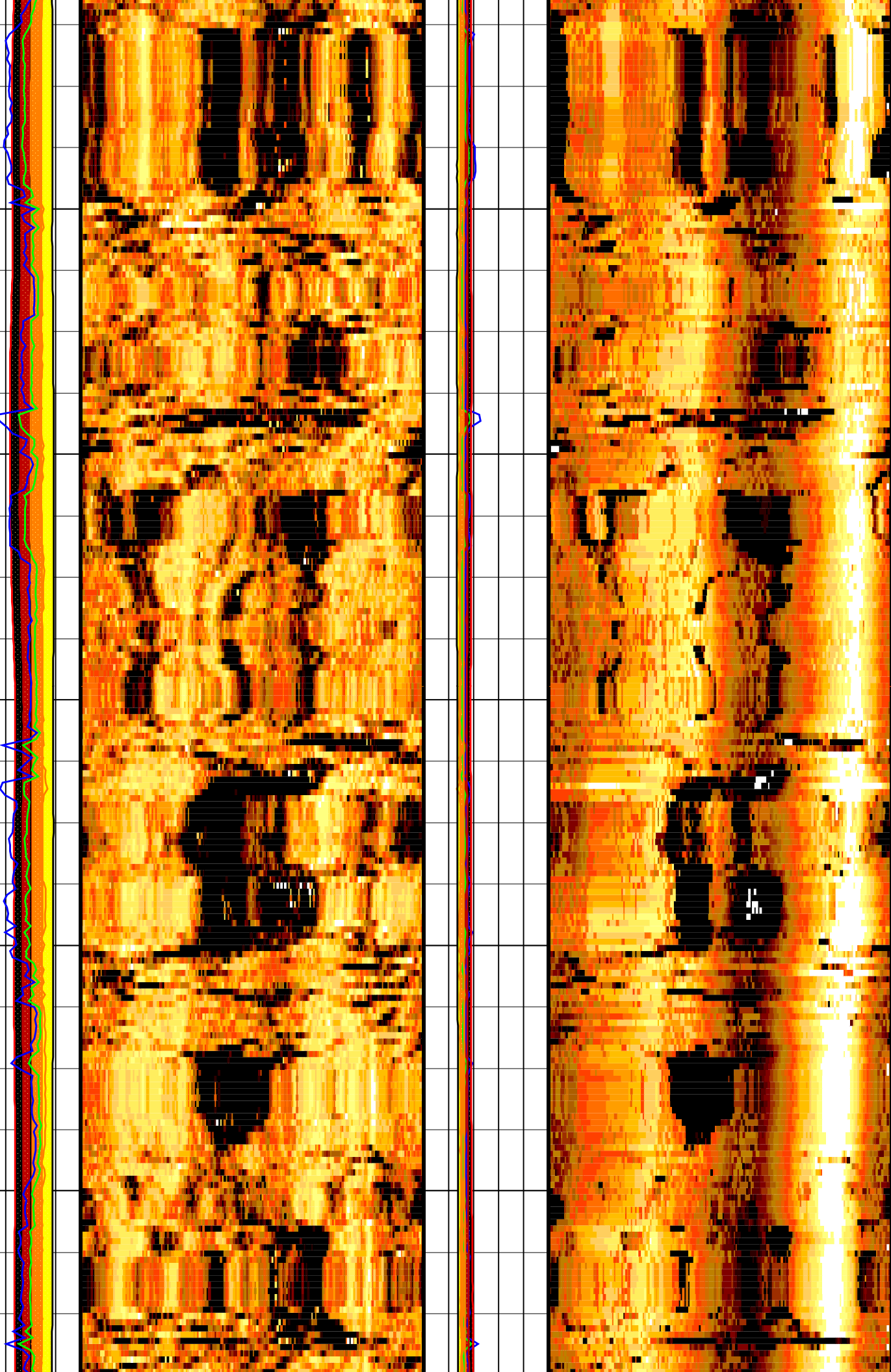
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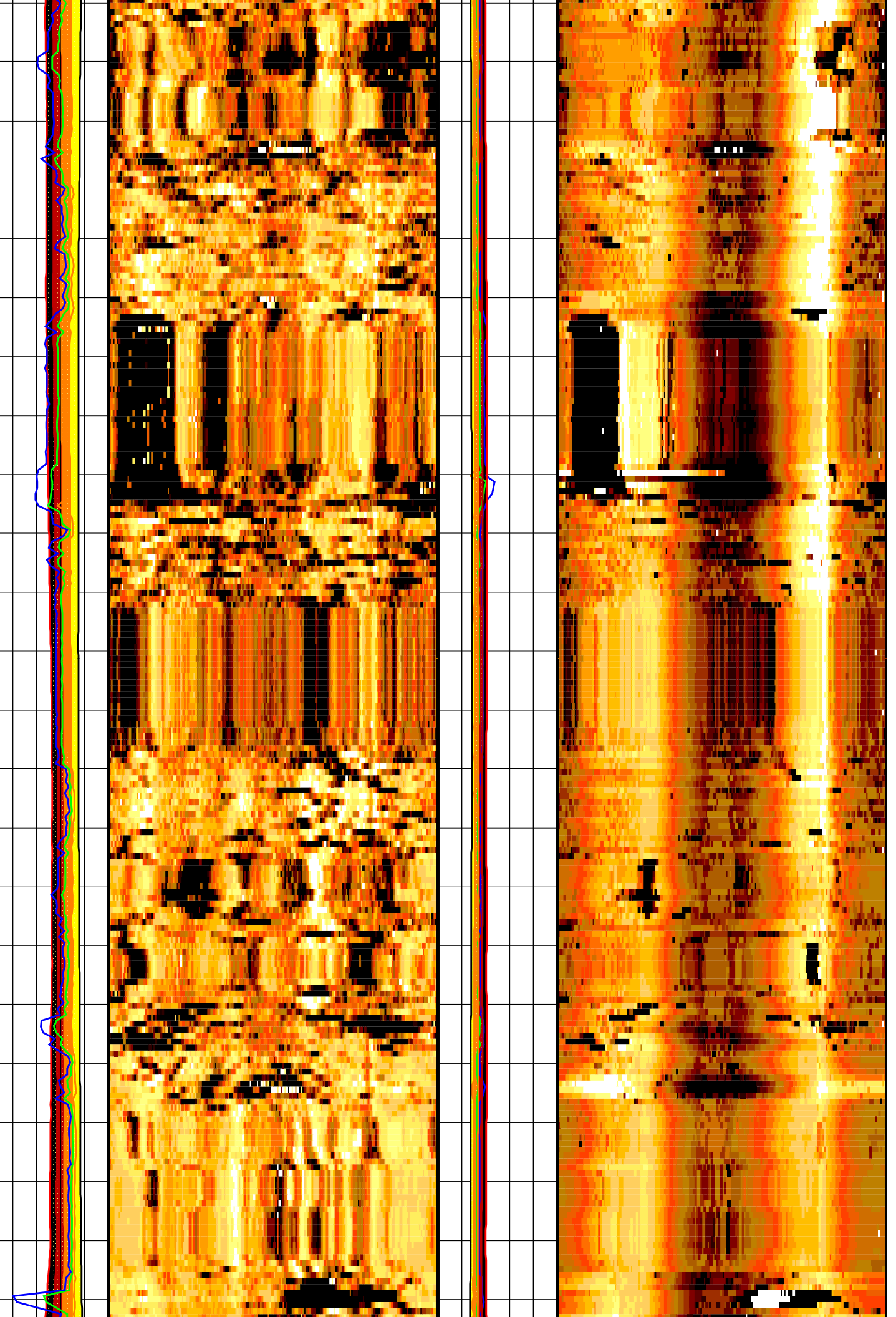
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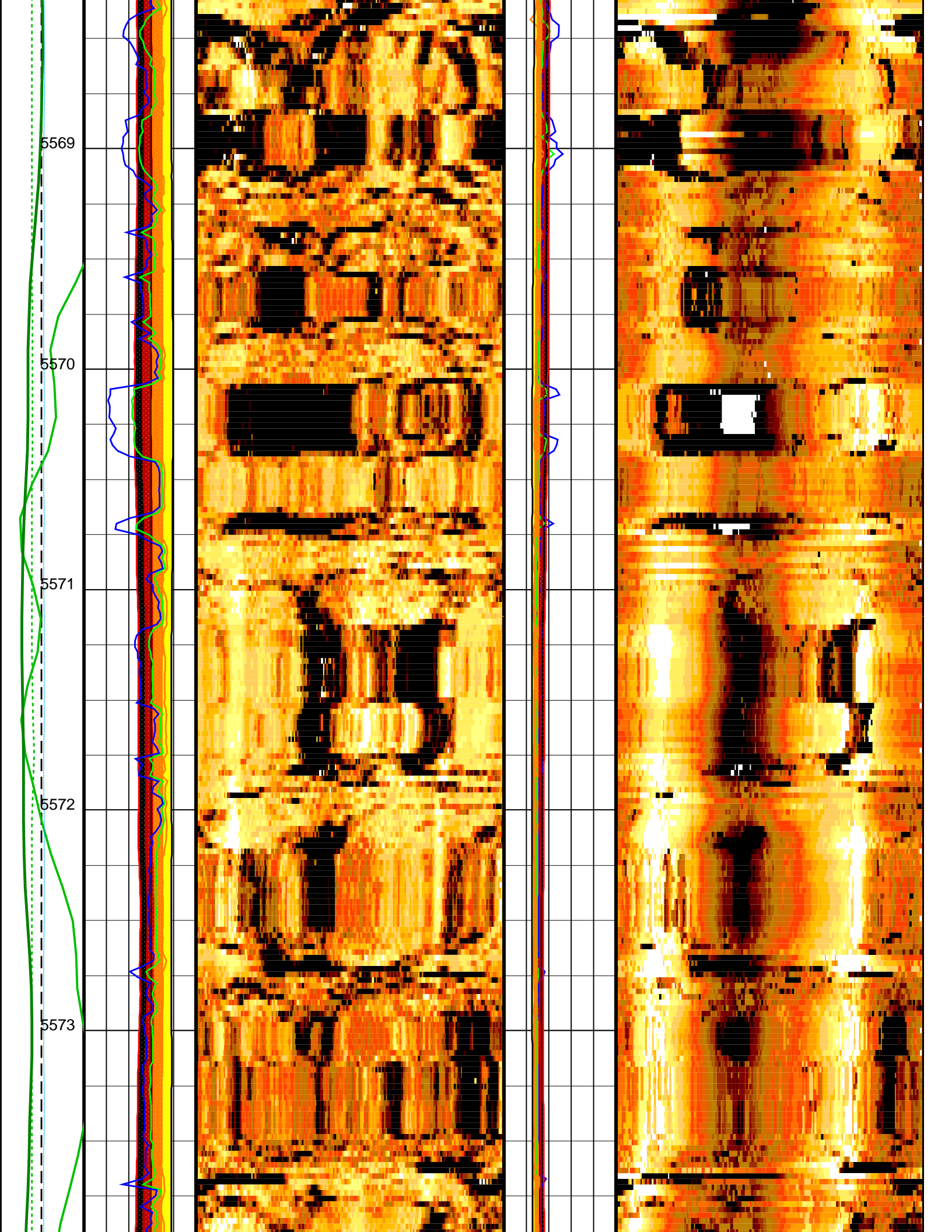
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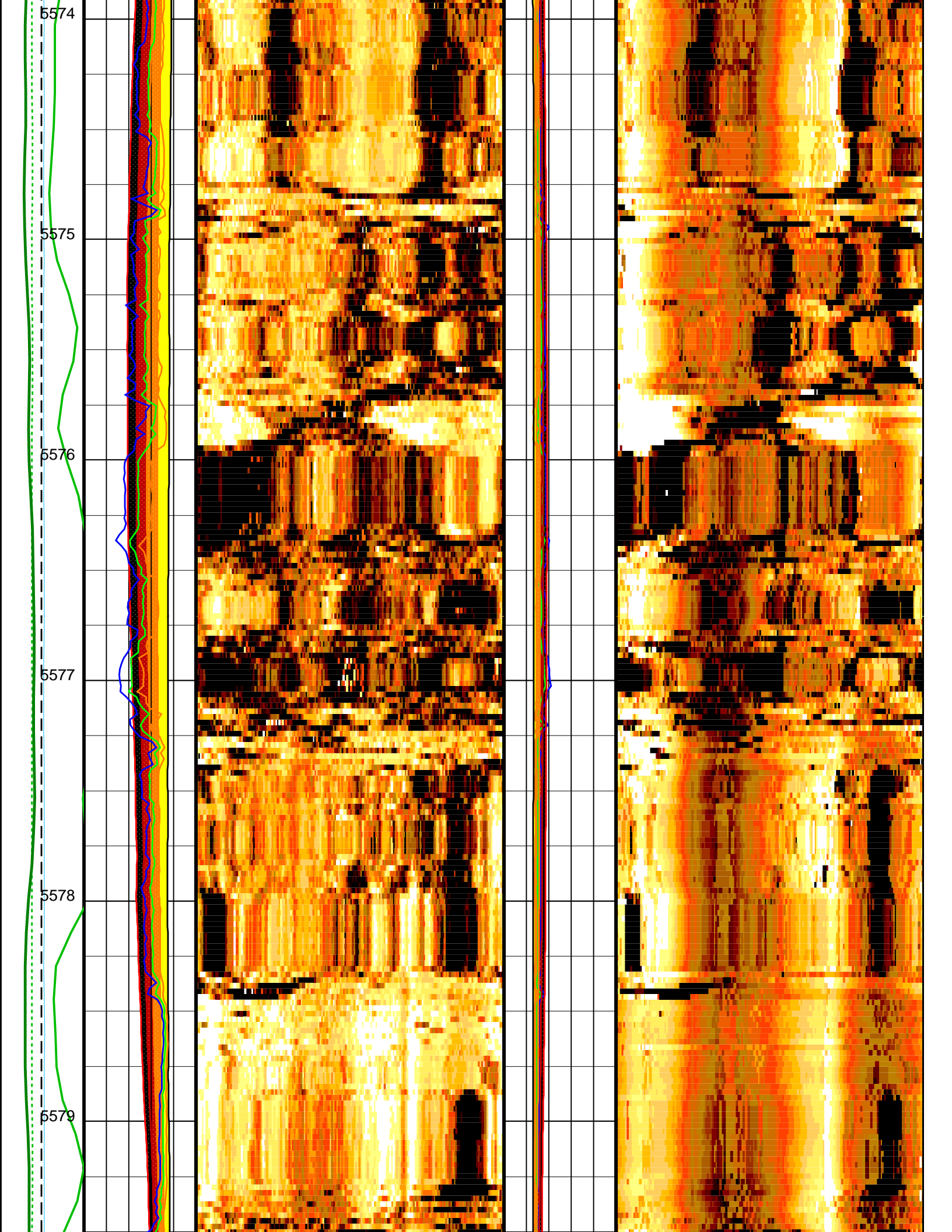
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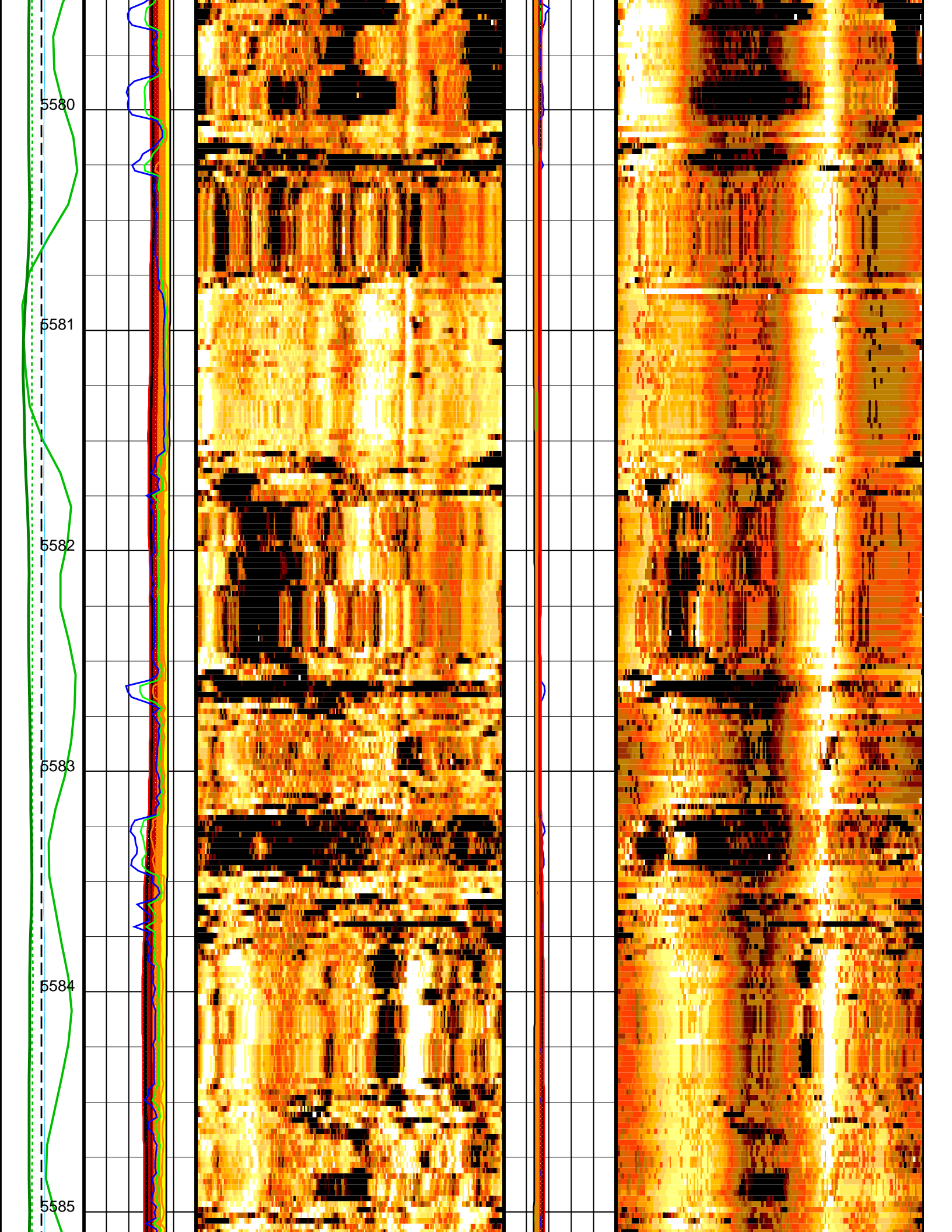
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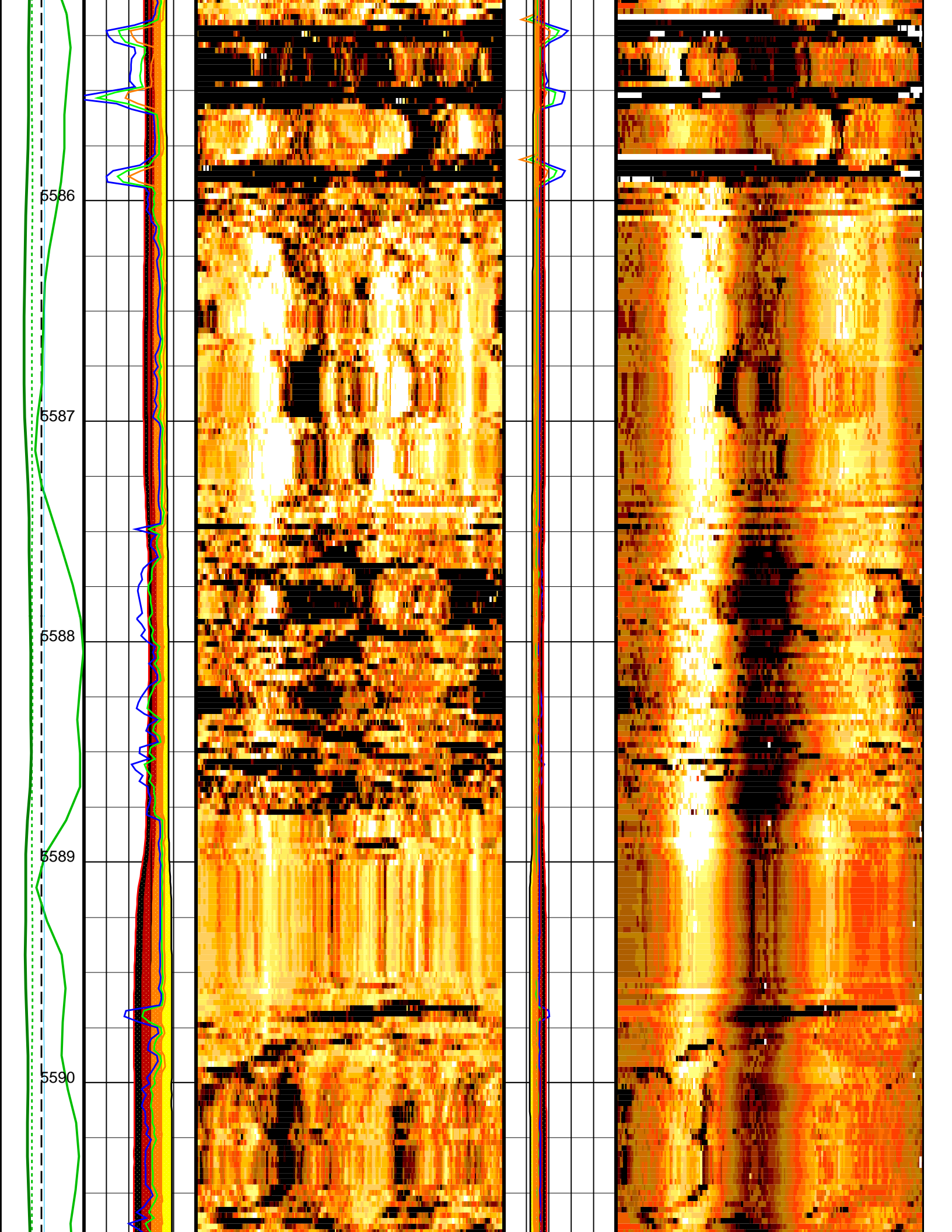
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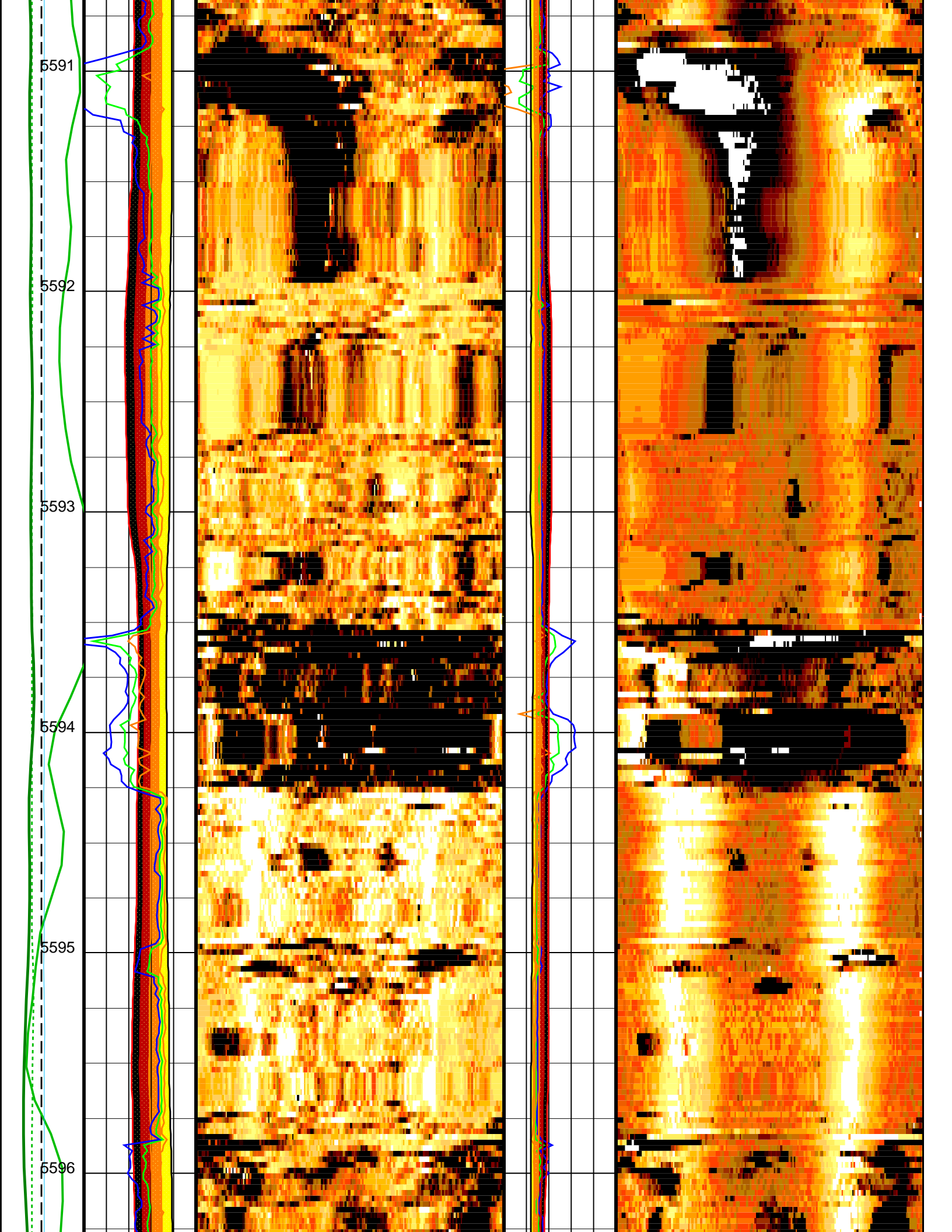


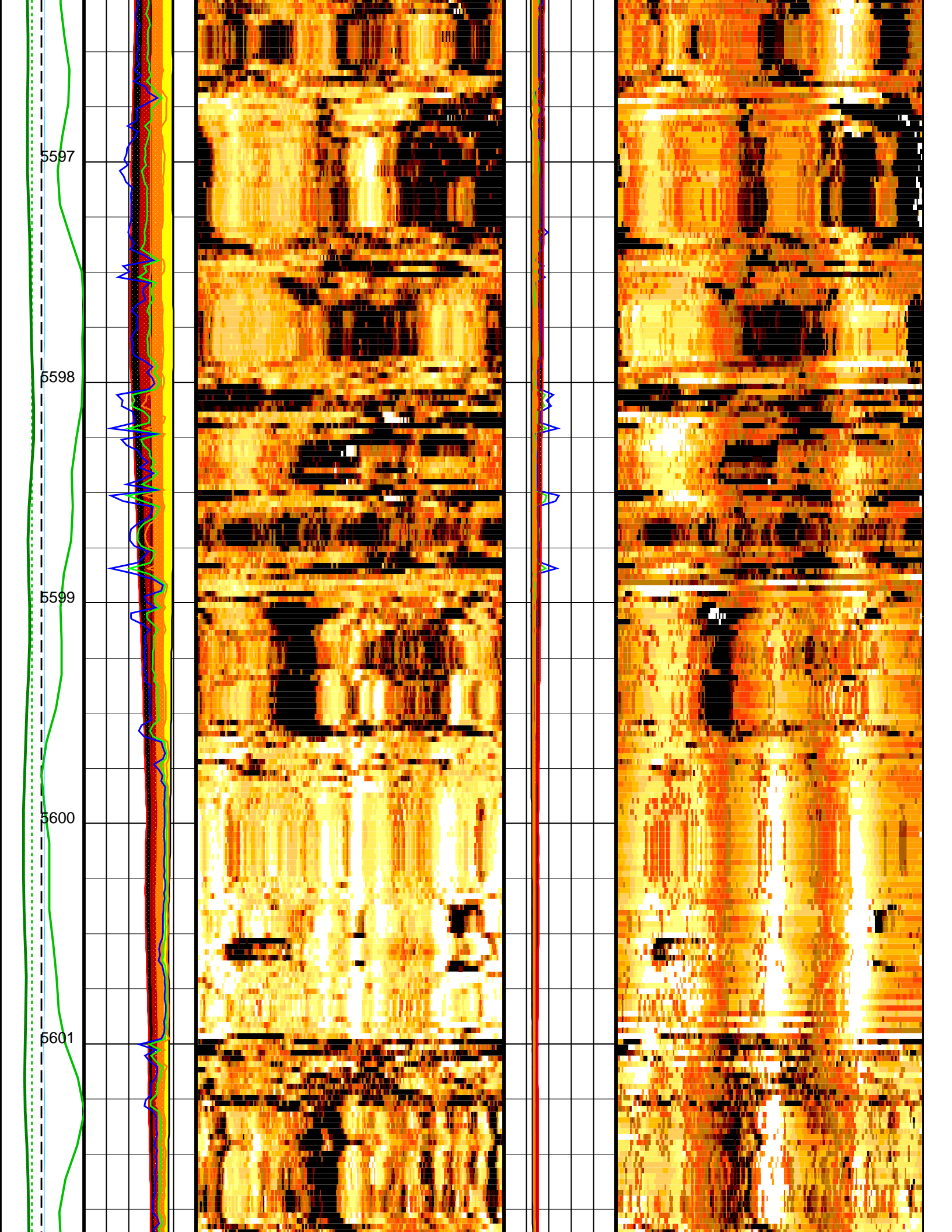


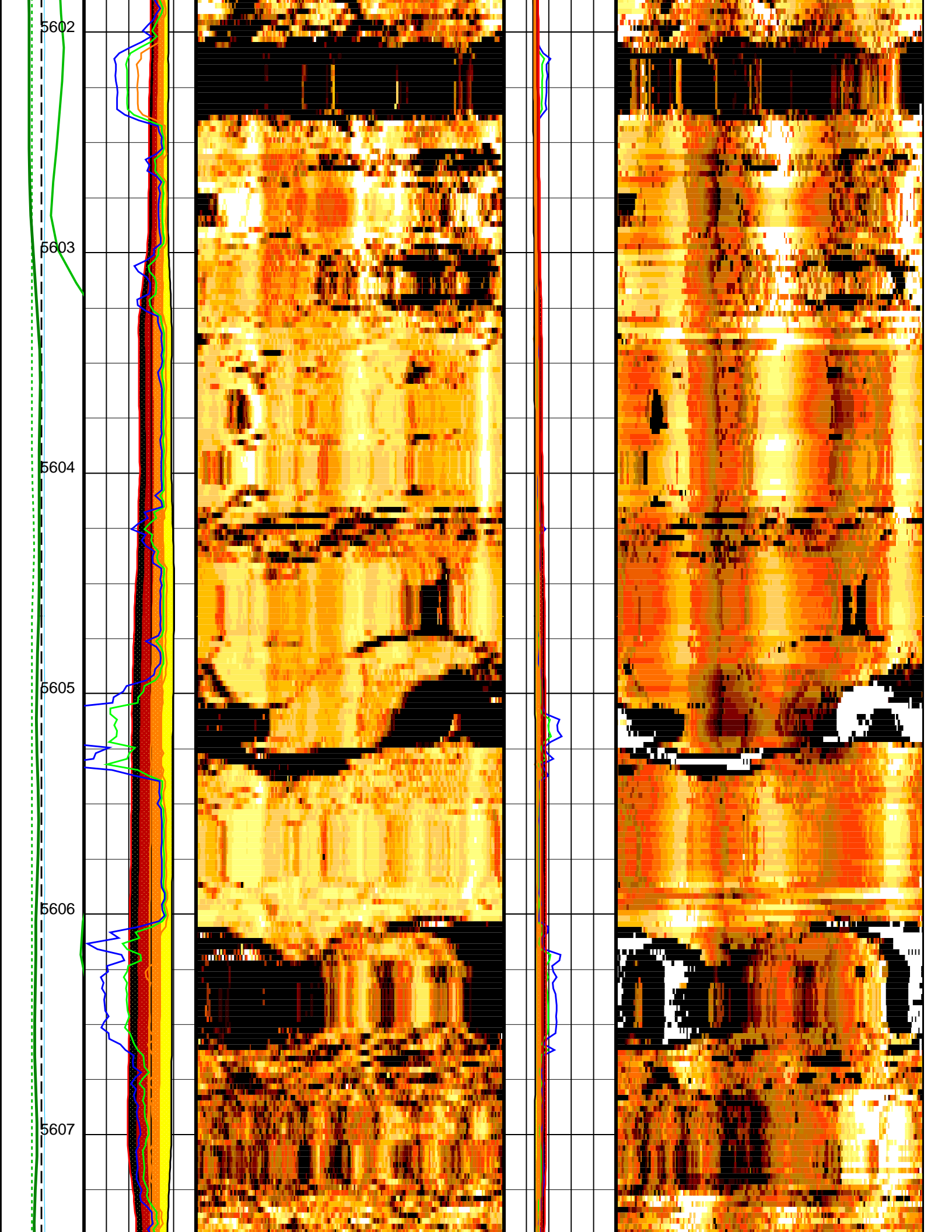












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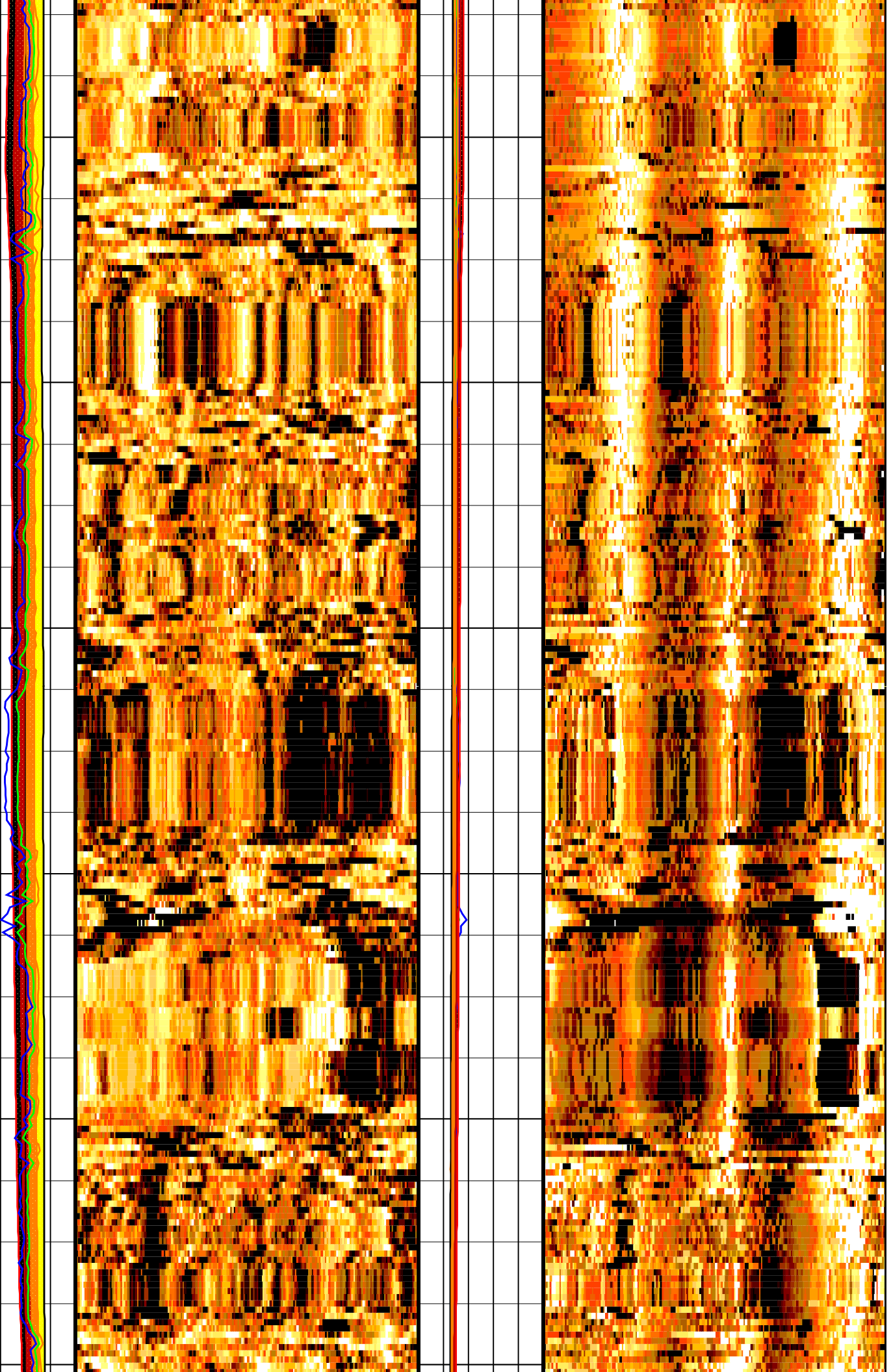
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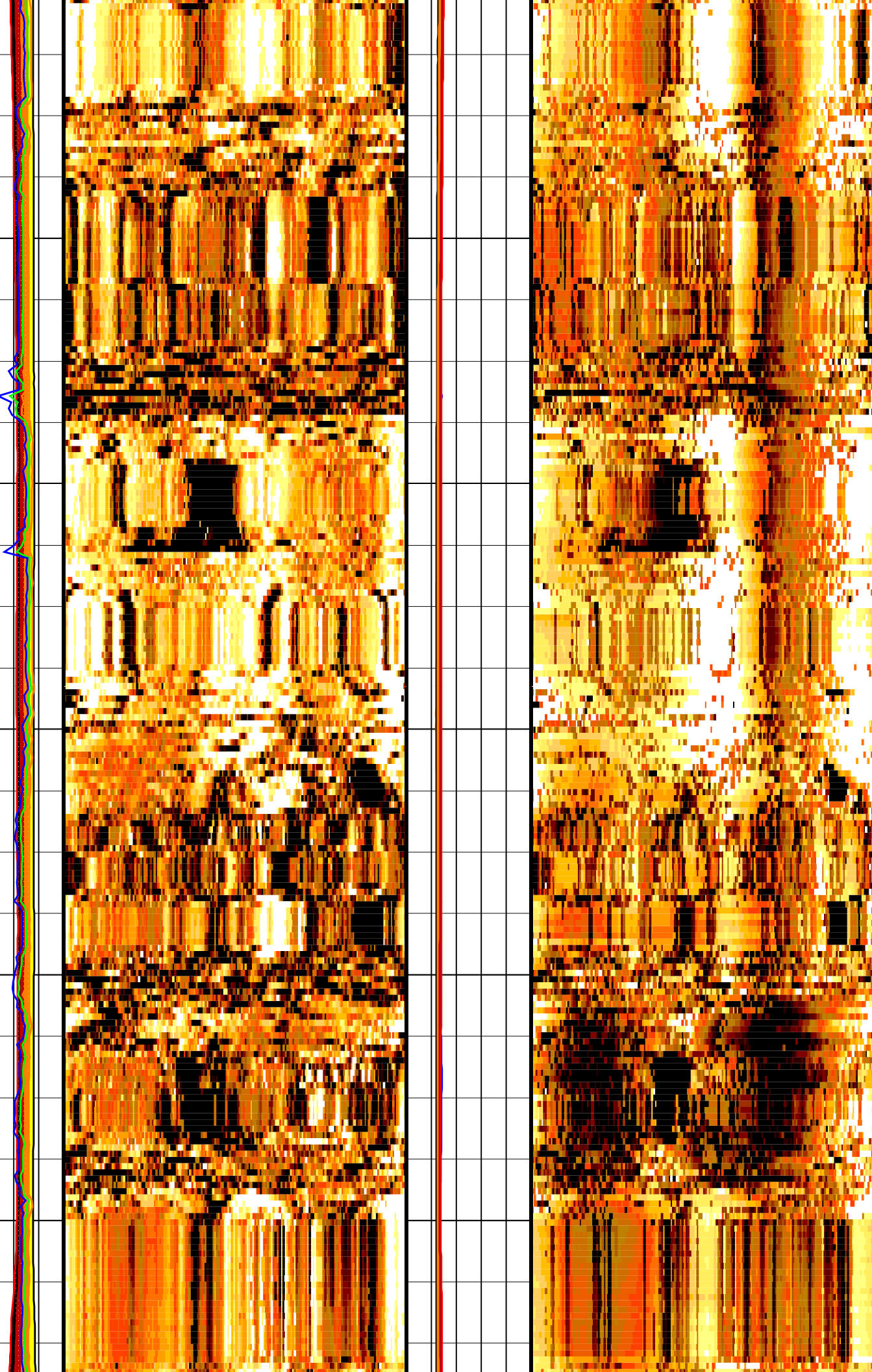
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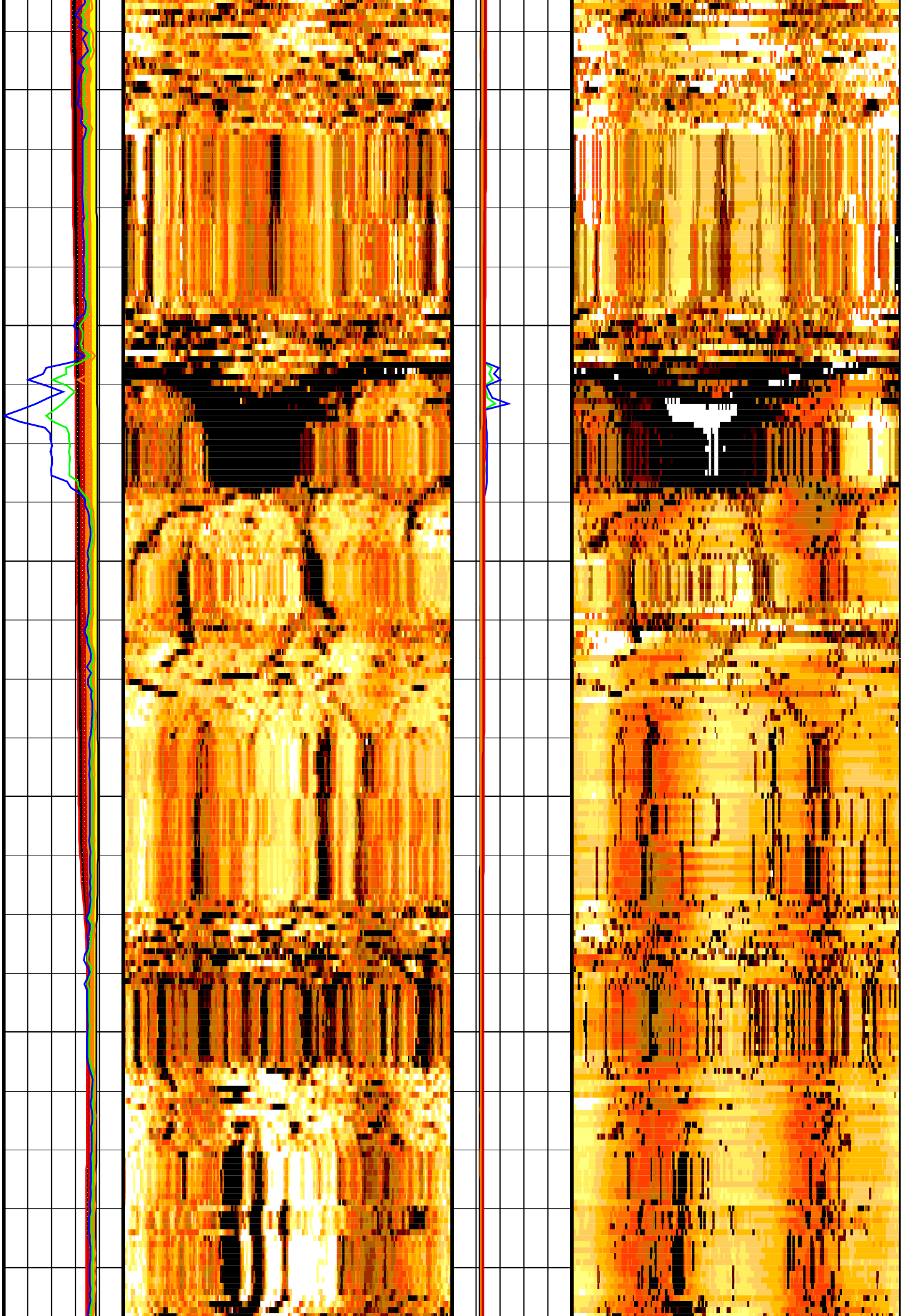
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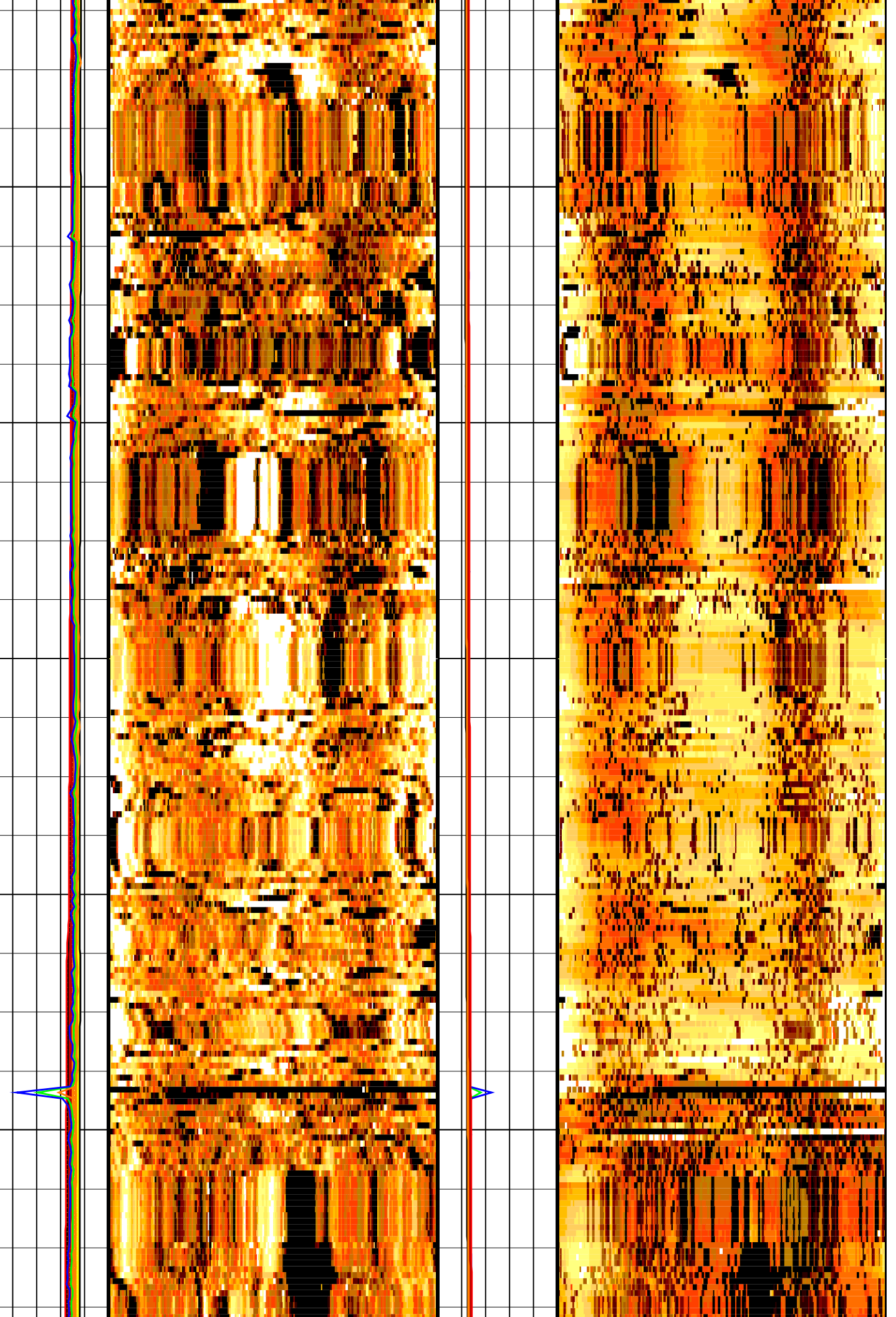
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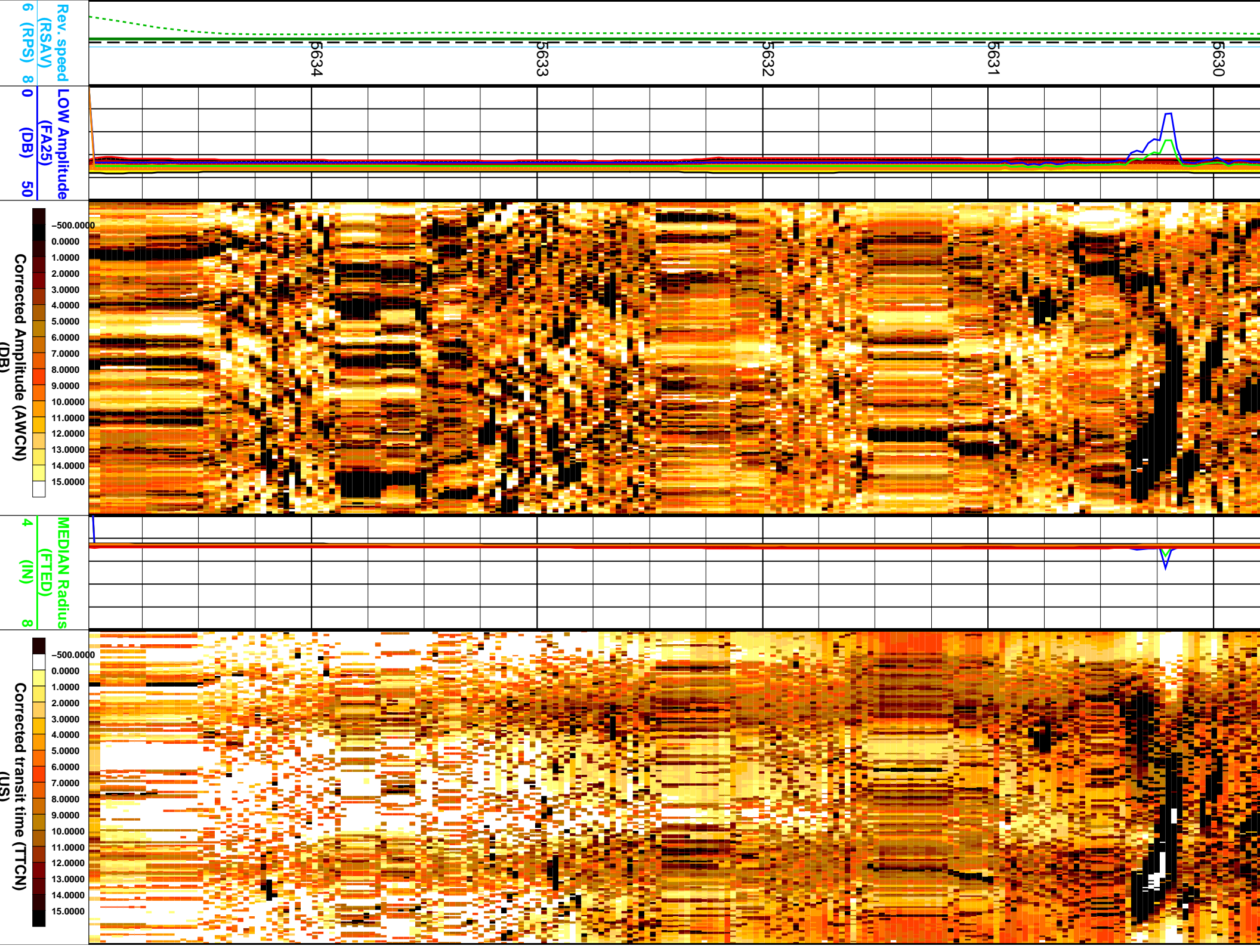
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Cable Speed (CS) (M/HR) 0 1000	Min. of Amplitude (UAMN) (DB) 50	Radius LOW (FT25) (IN) 4 8
Fluid velocity (CFVL) (US/F) 150 250	Maximum of Amplitude (UAMX) (DB) 50	Radius HIGH (FT75) (IN) 4 8
Gamma Ray (GR_EDTC) (GAPI) 0 25	MEDIAN of Amplitude (FAED) (DB) 50	Radius min (UTMN) (IN) 4 8
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 100	HIGH Amplitude (FA75) (DB) 50	Radius max (UTMX) (IN) 4 8

Format: UBI_Image Vertical Scale: 1:20 Graphics File Created: 05-May-2022 13:12

OP System Version: 19C0-187

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

Parameters

DLIS Name	Description	Value
UBI-E: Ultrasonic Borehole Imager - E		
AAMN	Automatic Amplitude Minimum Scale	2 DB
ANGO	Angular Offset	20 DEG
ATMN	Automatic Transit Time Minimum Scale	2 US
CSID	Casing Inner Diameter	10.05 IN
DCMN	Window Decrement Down	0.8
DCMX	Window Decrement Up	0.6
DFVL	Default Fluid Velocity	199 US/F
DOT	Diameter of Tool	1.85 IN
ECRL	Eccentering Correction Level	FIRST
ERDB	Eccentering Rejection	12 DB
FDOS	FVEL Depth Offset	0 M
FMOS	FVEL Measurement Offset	0 US/F
GCSW	Gain Correction	ON
IMAR	Image Rotation	OFF
LIM1	Minimum Limit Control	AUTO
LIM2	Maximum Limit Control	MANUAL
NBCD	Color Correction Depth Level	80
NBLD	Eccentering Correction Depth Level	1
NCDI	Noise Correction Depth Interval	30
PNSW	Processing Noise Correction	ON
RCSO	Reference Calibrator Standoff	0.795 IN
RJ60	60 Hz Correction	ON
SWLV	Sliding Window Minimum	Inh_18us
SWMX	Sliding Window Maximum	Inh_167us
UFON	UBI Flagging of Lost Echoes	OFF
UGOS	UBI/UCI GPIT Offset	3.63 IN
USTO	Ultrasonic Time Offset	-3 US
USUB	UBI Sub Identifier	Sub_5_inch
UWKM	Current Working Mode	UBI7_SW500_180_1
APS-C: Accelerator-Porosity Tool		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
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	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00246236	
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	1.03003	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.02579	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
UHSV: UBI Hole Shape Analysis			
AAMN	Automatic Amplitude Minimum Scale	2	DB
ANGO	Angular Offset	20	DEG
ATMN	Automatic Transist Time Minimum Scale	2	US
CSID	Casing Inner Diameter	10.05	IN
DCMN	Window Decrement Down	0.8	
DCMX	Window Decrement Up	0.6	
DFVL	Default Fluid Velocity	199	US/F
DOT	Diameter of Tool	1.85	IN
ECRL	Eccentering Correction Level	FIRST	
ERDB	Eccentering Rejection	12	DB
FDOS	FVEL Depth Offset	0	M
FMOS	FVEL Measurement Offset	0	US/F
GCSW	Gain Correction	ON	
IMAR	Image Rotation	OFF	
LIM1	Minimum Limit Control	AUTO	
LIM2	Maximum Limit Control	MANUAL	
NBCD	Color Correction Depth Level	80	
NBLD	Eccentering Correction Depth Level	1	
NCDI	Noise Correction Depth Interval	30	
PNSW	Processing Noise Correction	ON	
RCSO	Reference Calibrator Standoff	0.795	IN
RJ60	60 Hz Correction	ON	
SWLV	Sliding Window Minimum	Inh_18us	
SWMX	Sliding Window Maximum	Inh_167us	
UFON	UBI Flagging of Lost Echoes	OFF	
UGOS	UBI/UCI GPIT Offset	3.63	IN
USTO	Ultrasonic Time Offset	-3	US
USUB	UBI Sub Identifier	Sub_5_inch	
UWKM	Current Working Mode	UBI7_SW500_180_1	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.03	G/C3

Output DLIS Files

DEFAULT UBI_APS_NGS_046LUP FN:51 PRODUCER 05-May-2022 13:12

Schlumberger

Second Up Pass

MAXIS Field Log

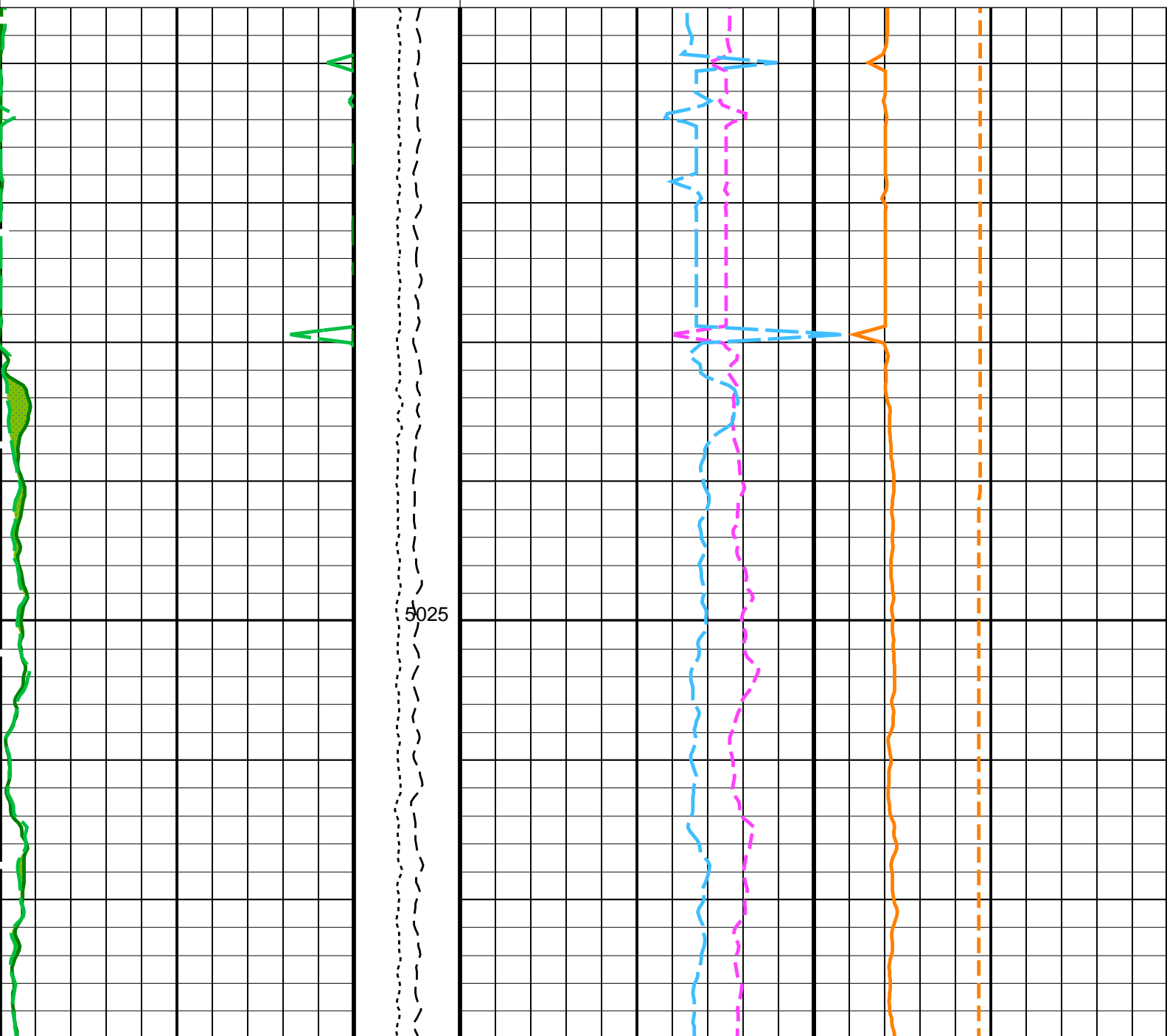
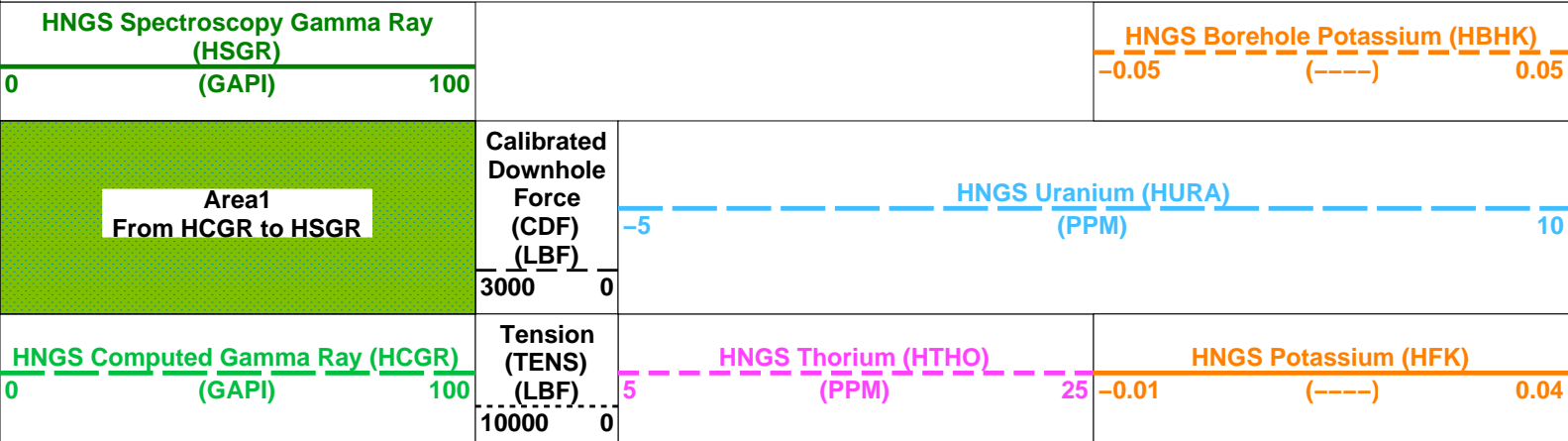
Output DLIS Files

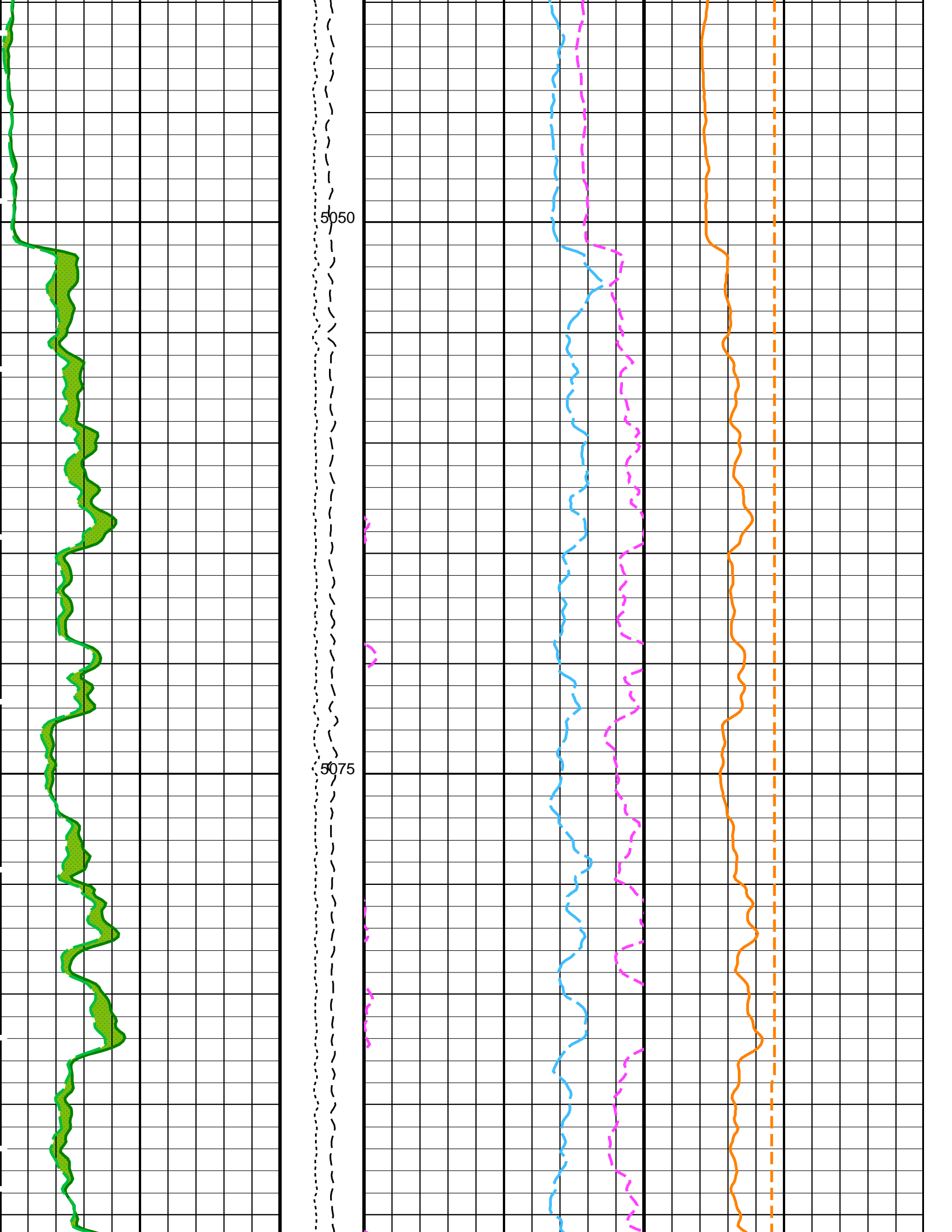
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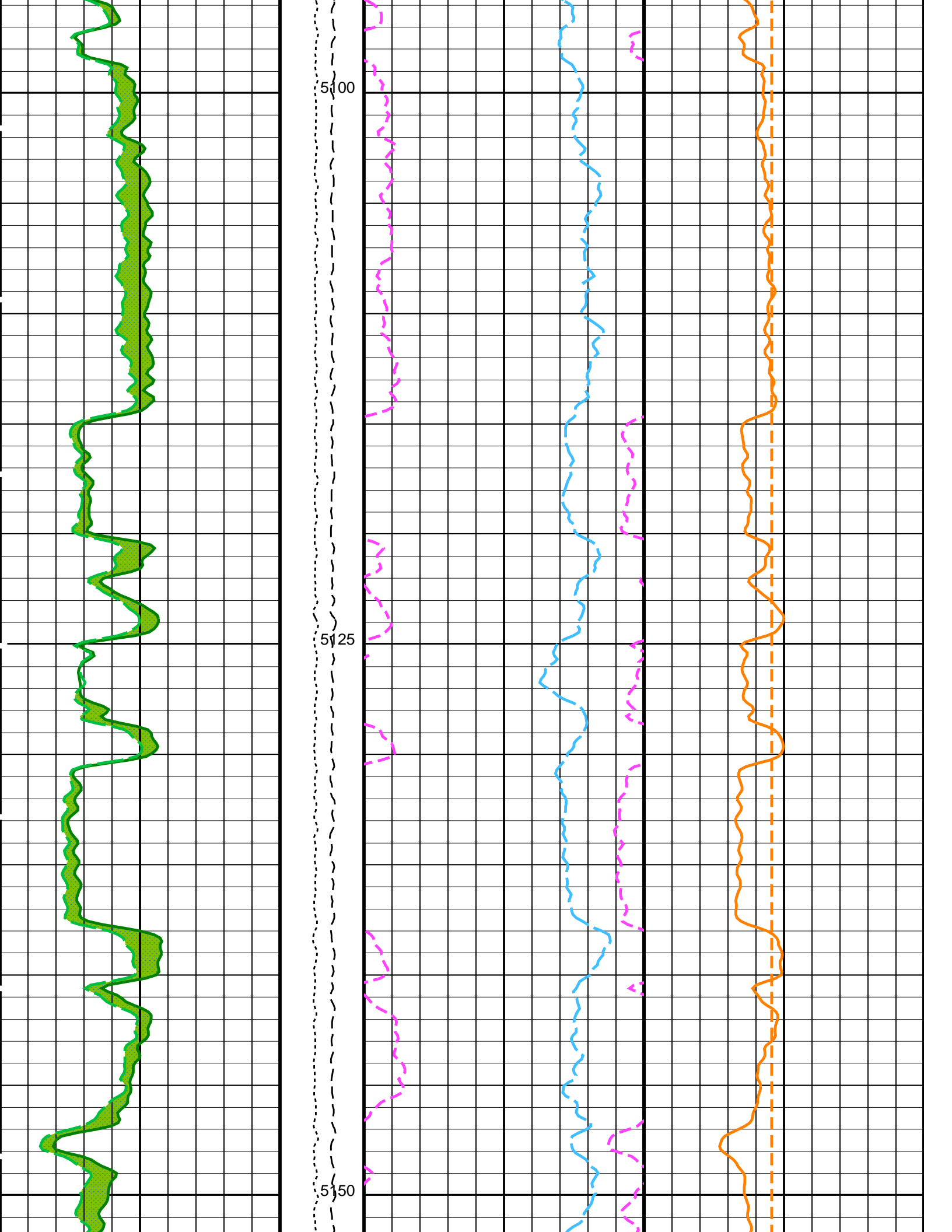
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DTA-A	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

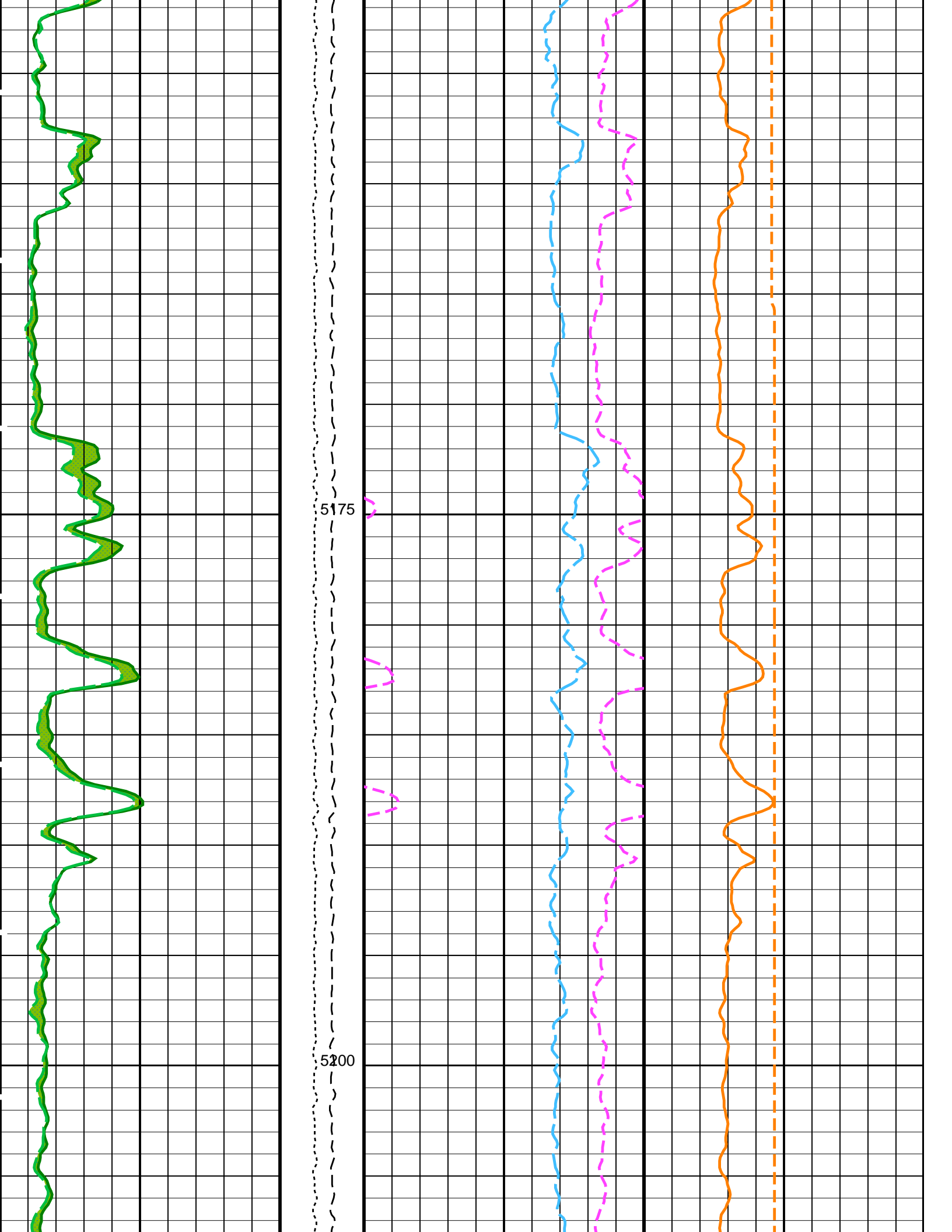
PIP SUMMARY

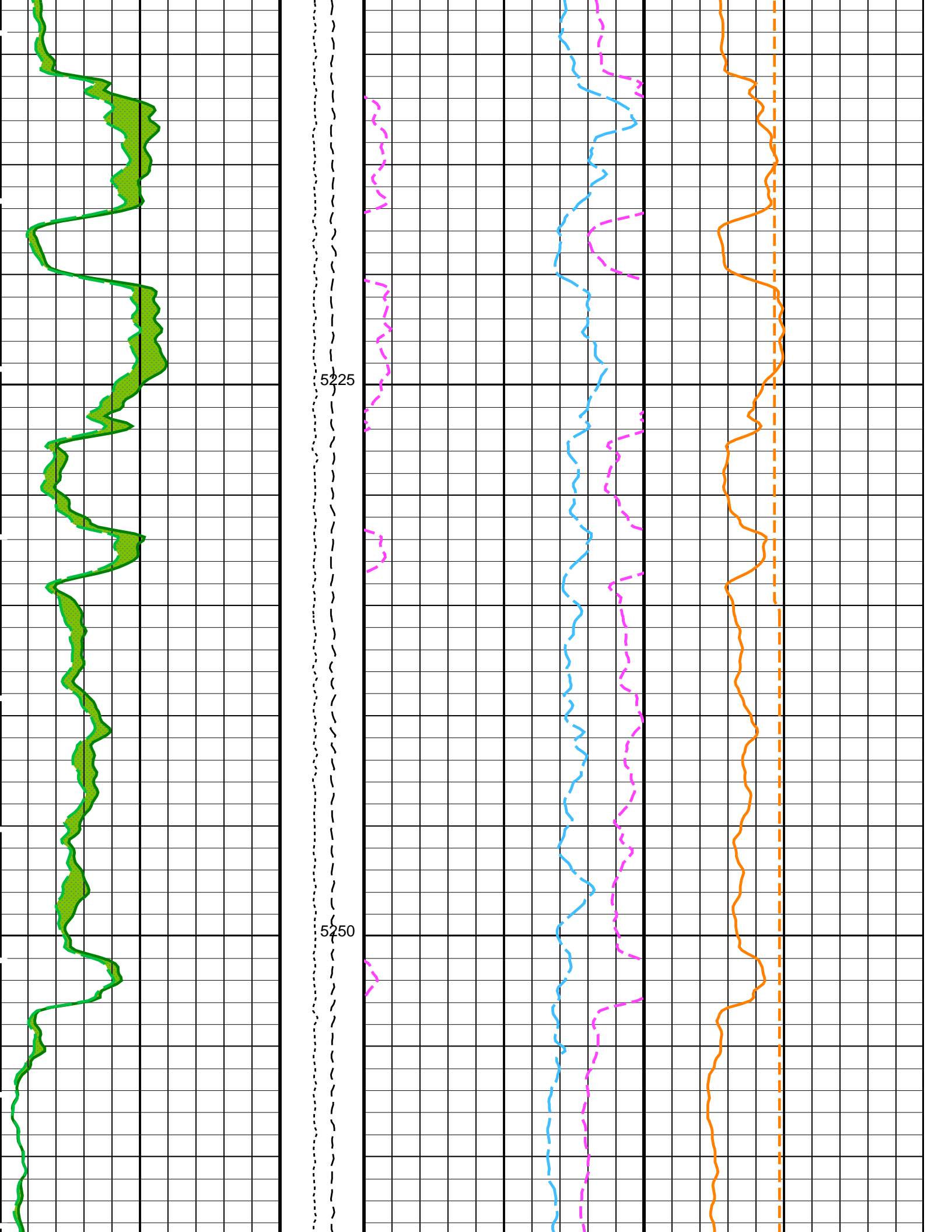
Time Mark Every 60 S

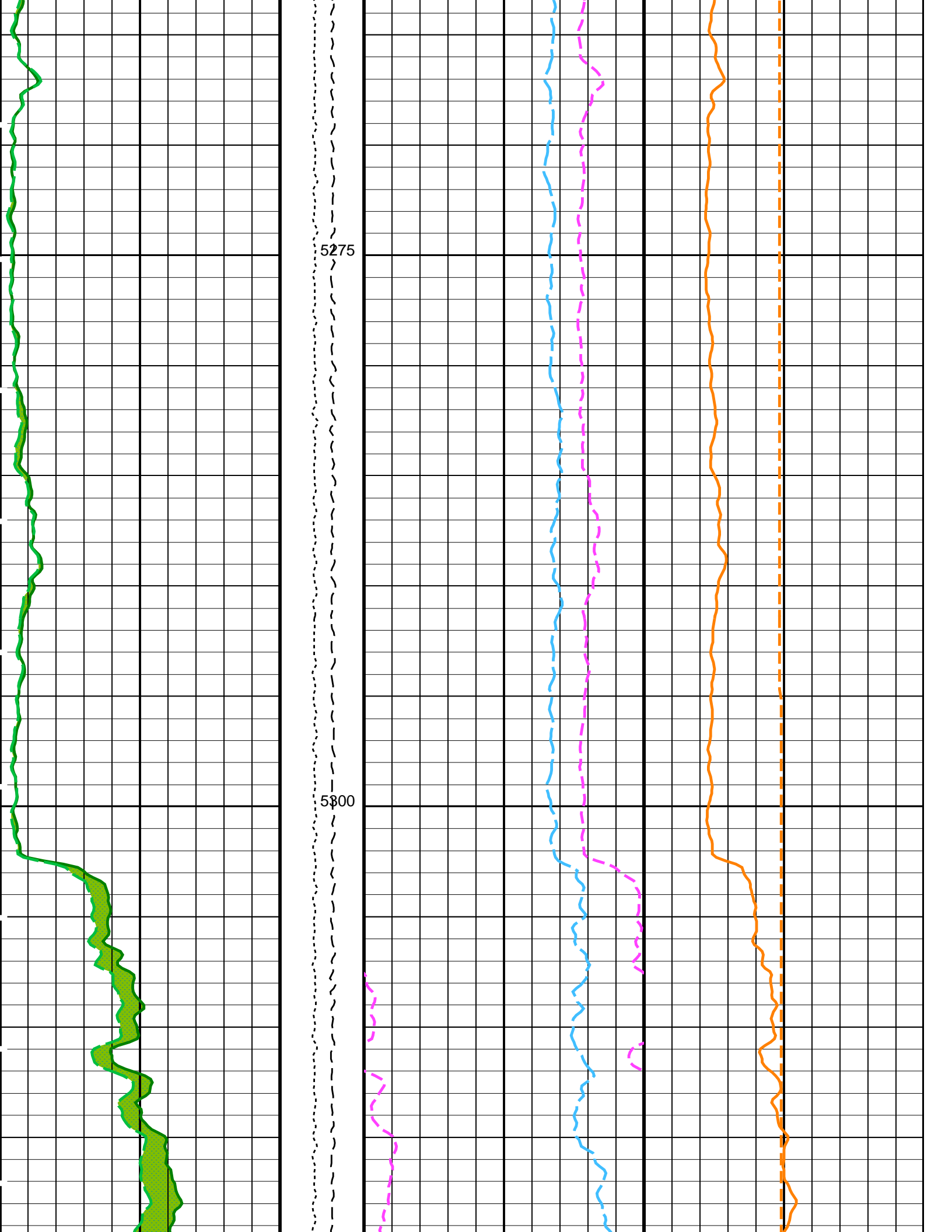


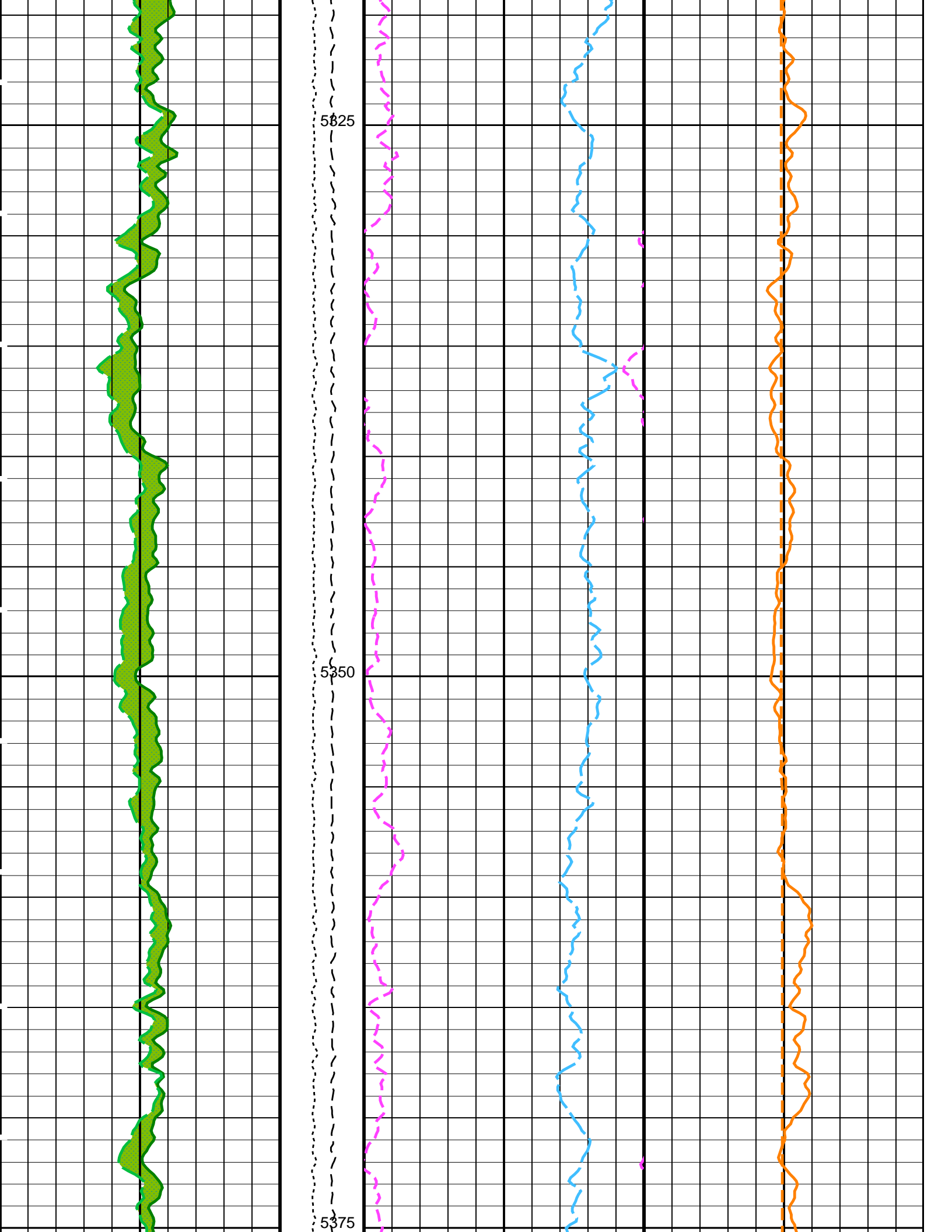


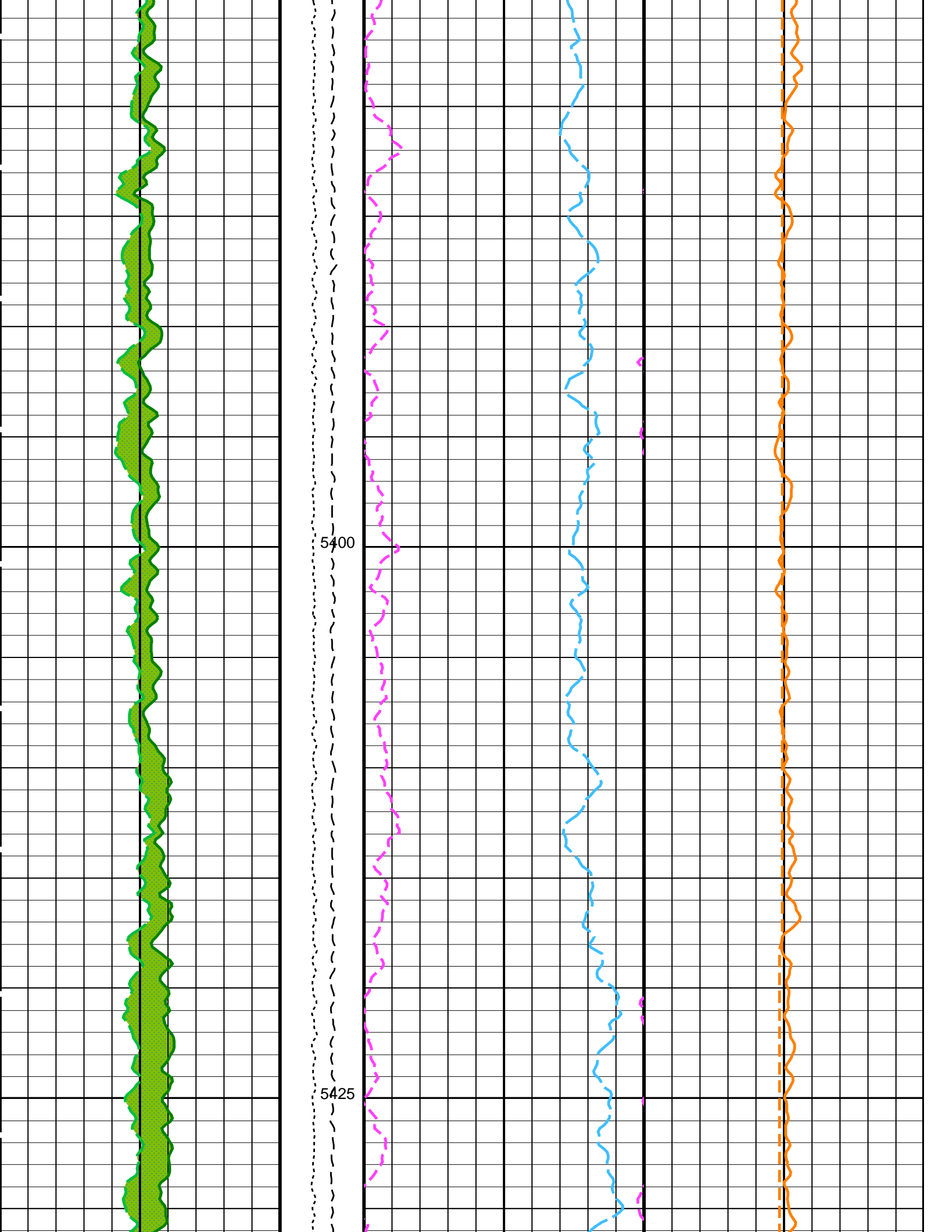


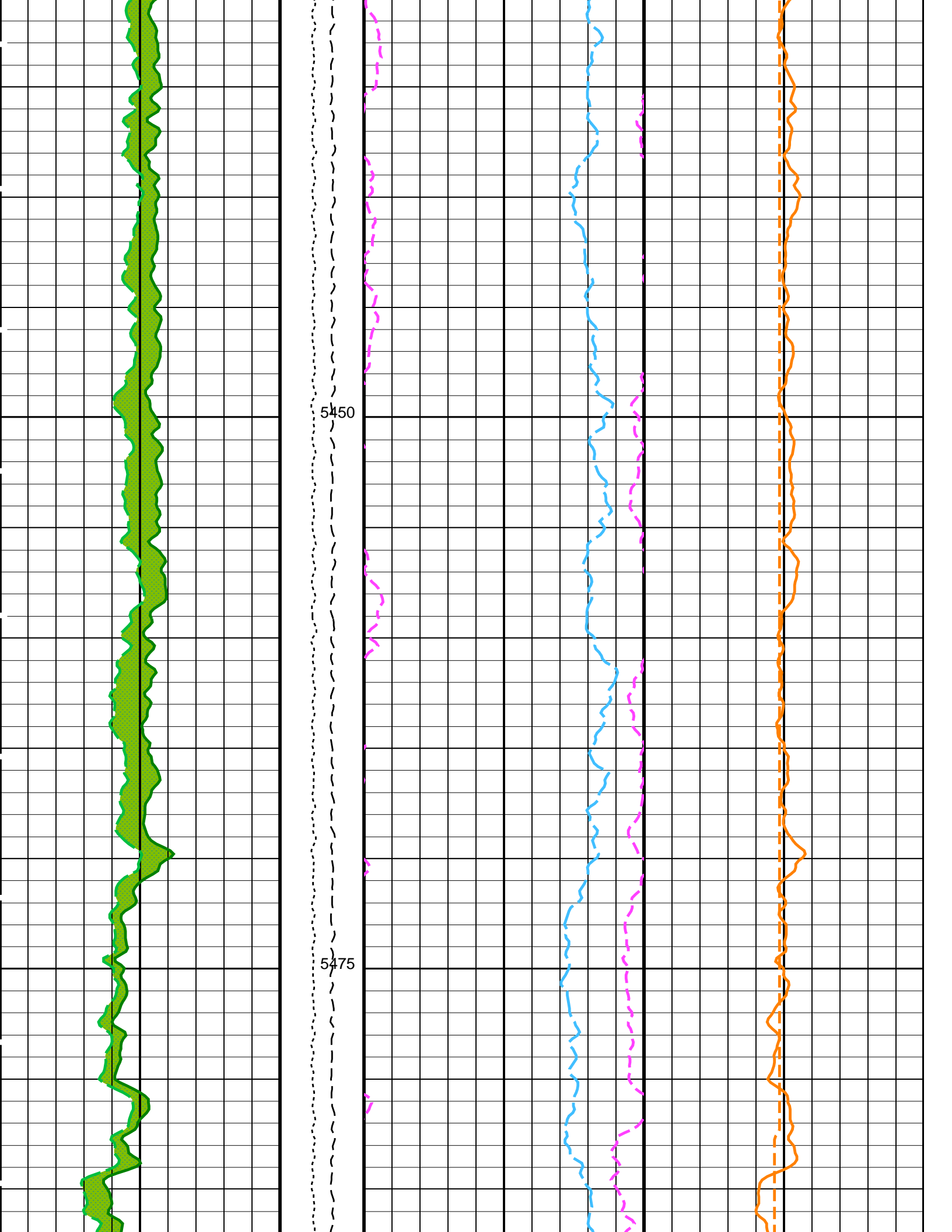


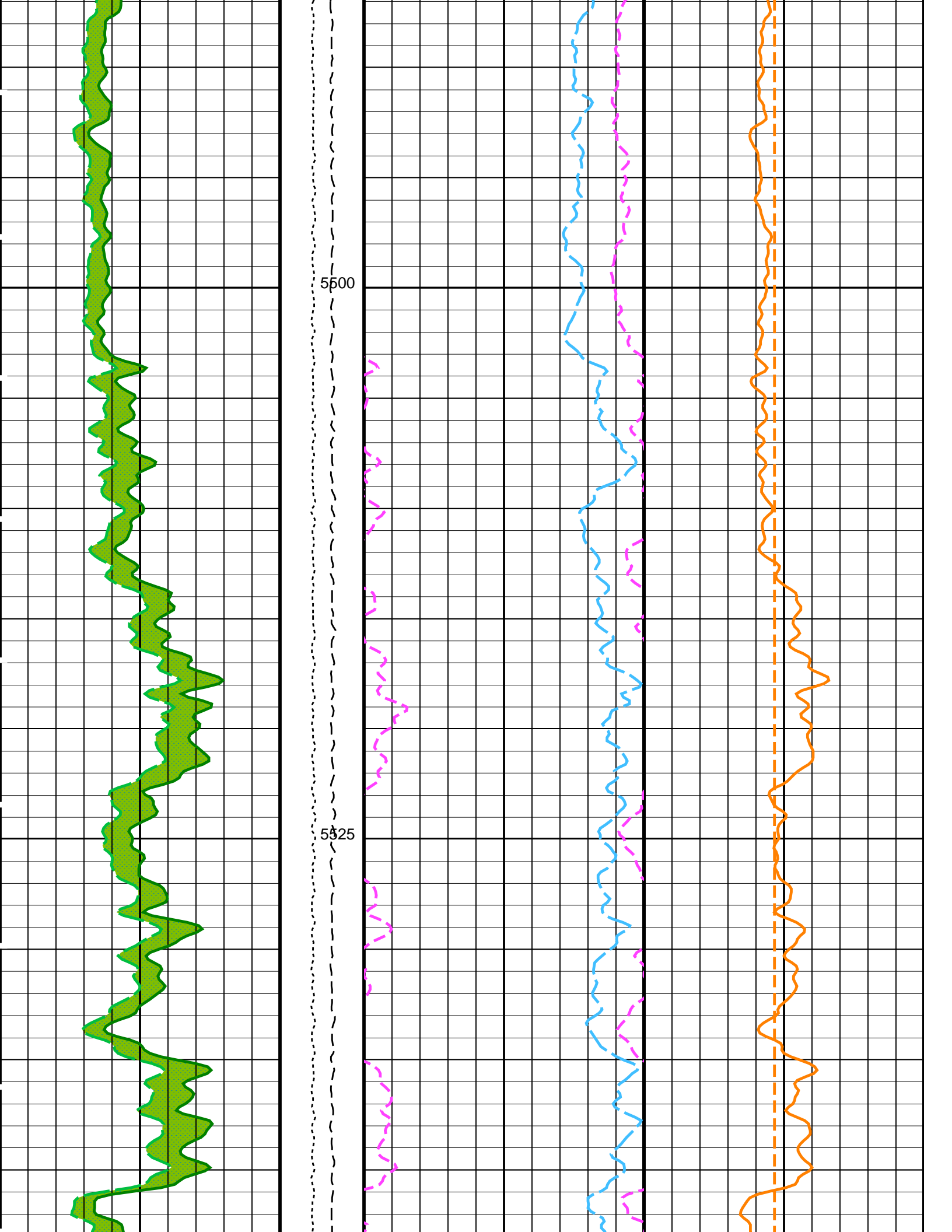


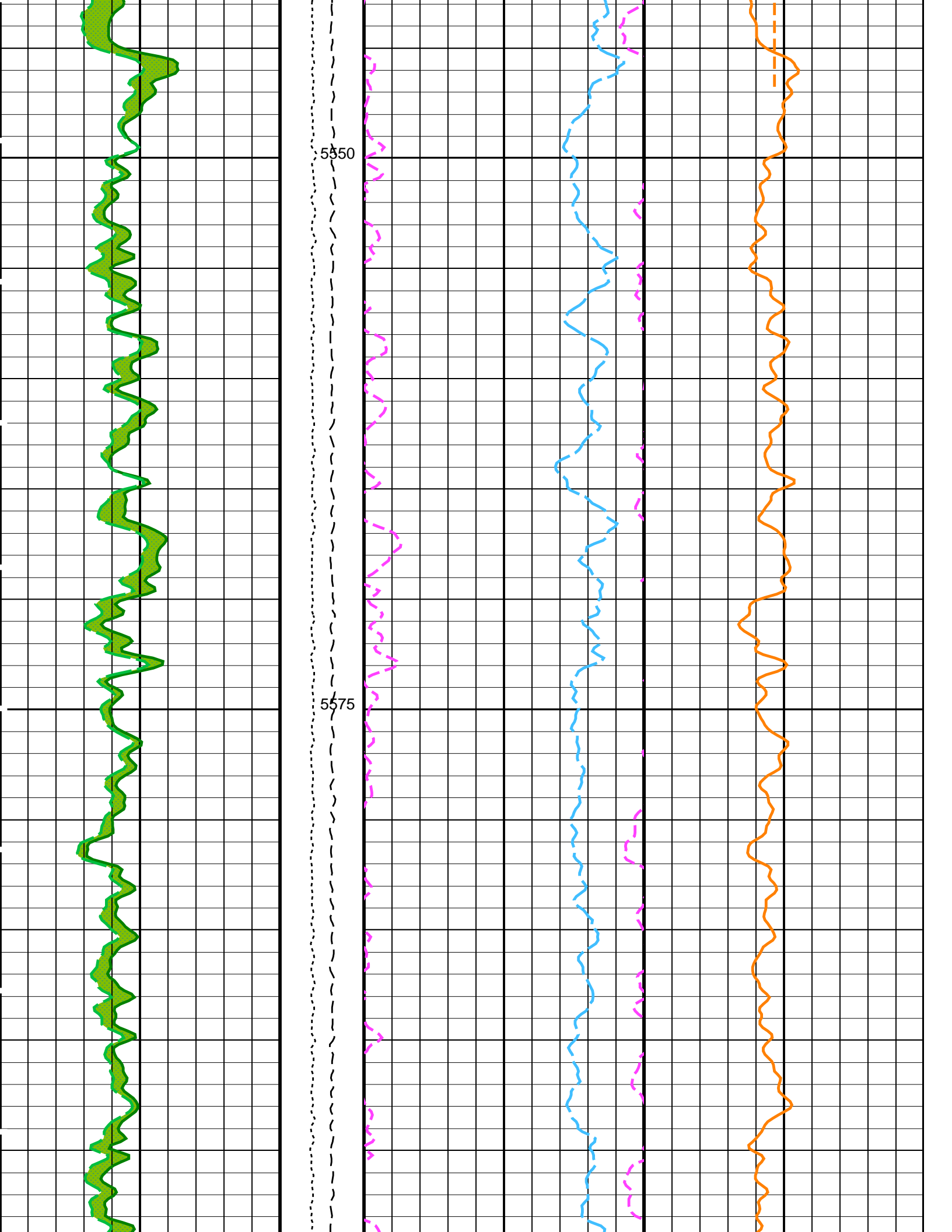


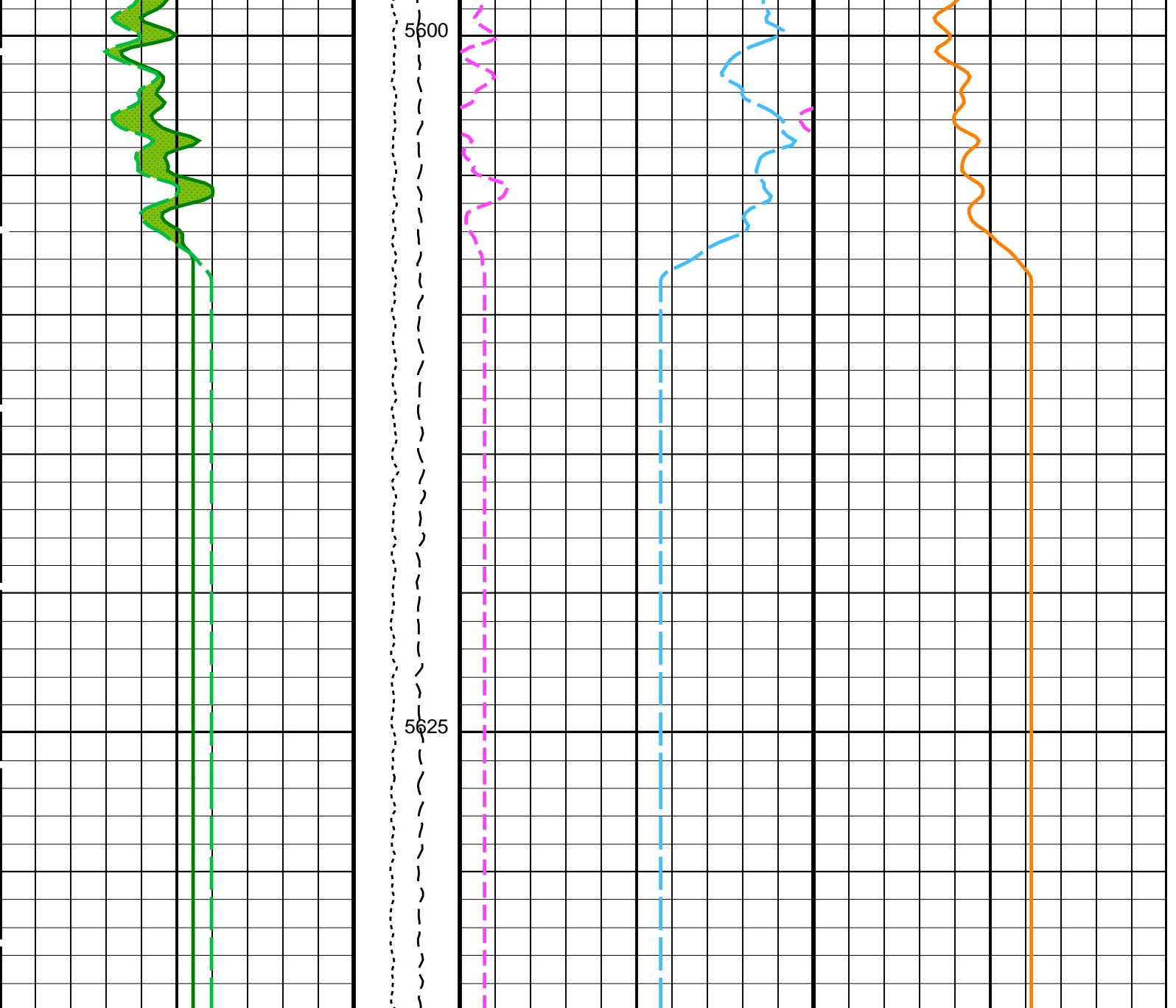












HNGS Computed Gamma Ray (HCGR) (GAPI)	Tension (TENS) (LBF)	HNGS Thorium (HTHO) (PPM)	HNGS Potassium (HFK) (----)
Area1 From HCGR to HSGR	Calibrated Downhole Force (CDF) (LBF)	HNGS Uranium (HURA) (PPM)	HNGS Borehole Potassium (HBHK) (----)
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BHS	APS-C: Accelerator-Porosity Tool	OPEN
GCSE	Borehole Status Generalized Caliper Selection	BS

	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	BS		
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW		
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW		
HABK	HNGS Borehole Potassium Running Average	0.00161085		
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	0.995048		
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.00373		
	EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN		
GCSE	Generalized Caliper Selection	BS		
	System and Miscellaneous			
BS	Bit Size	9.875	IN	
DFD	Drilling Fluid Density	1.03	G/C3	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 05-May-2022 13:39

OP System Version: 19C0-187

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

Output DLIS Files

DEFAULT	UBI_APS_NGS_047LUP	FN:52	PRODUCER	05-May-2022 13:39
RTB	UBI_APS_NGS_047LUP	FN:53	PRODUCER	05-May-2022 13:39

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

Output DLIS Files

DEFAULT	UBI_APS_NGS_047LUP	FN:52	PRODUCER	05-May-2022 13:39	5635.0 M	5002.9 M
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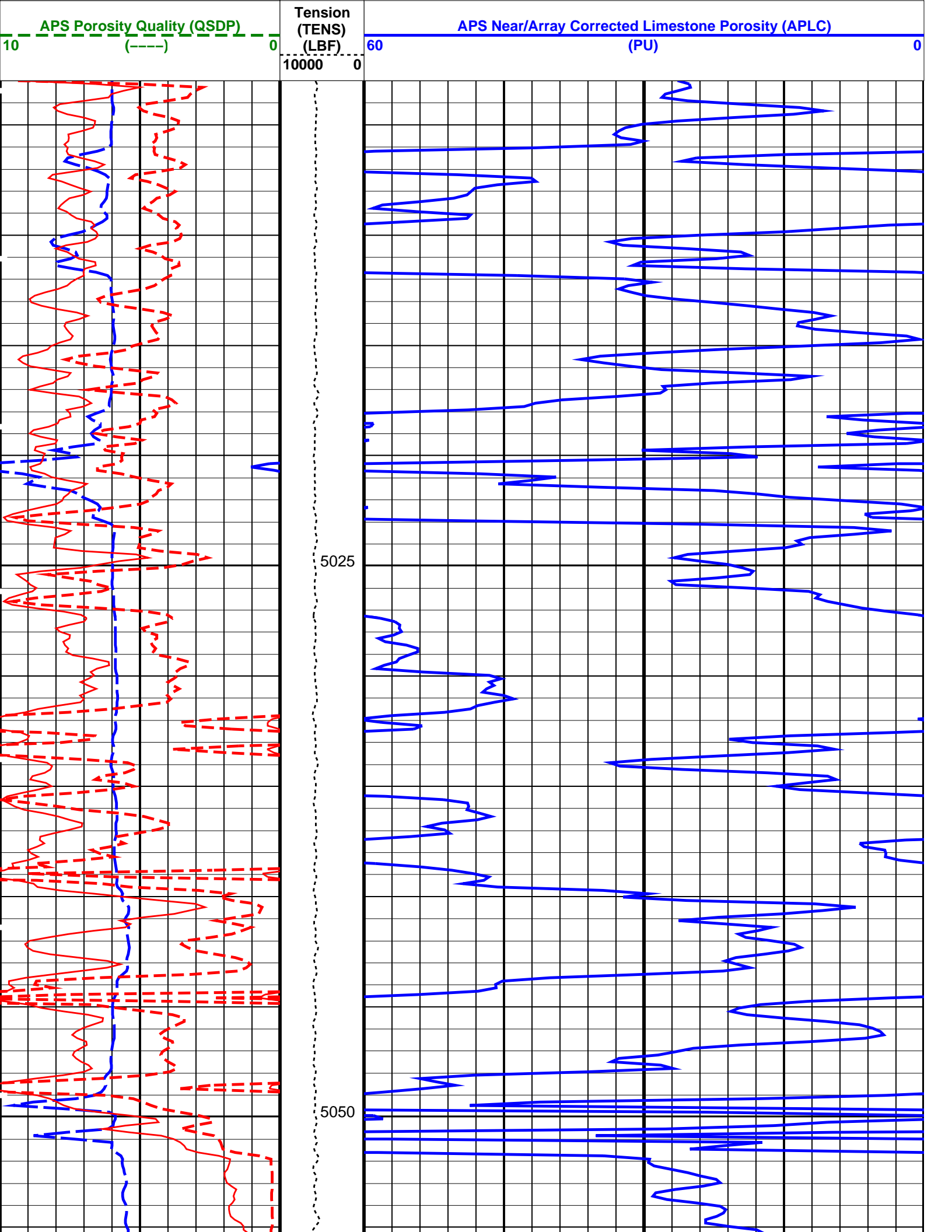
OP System Version: 19C0-187

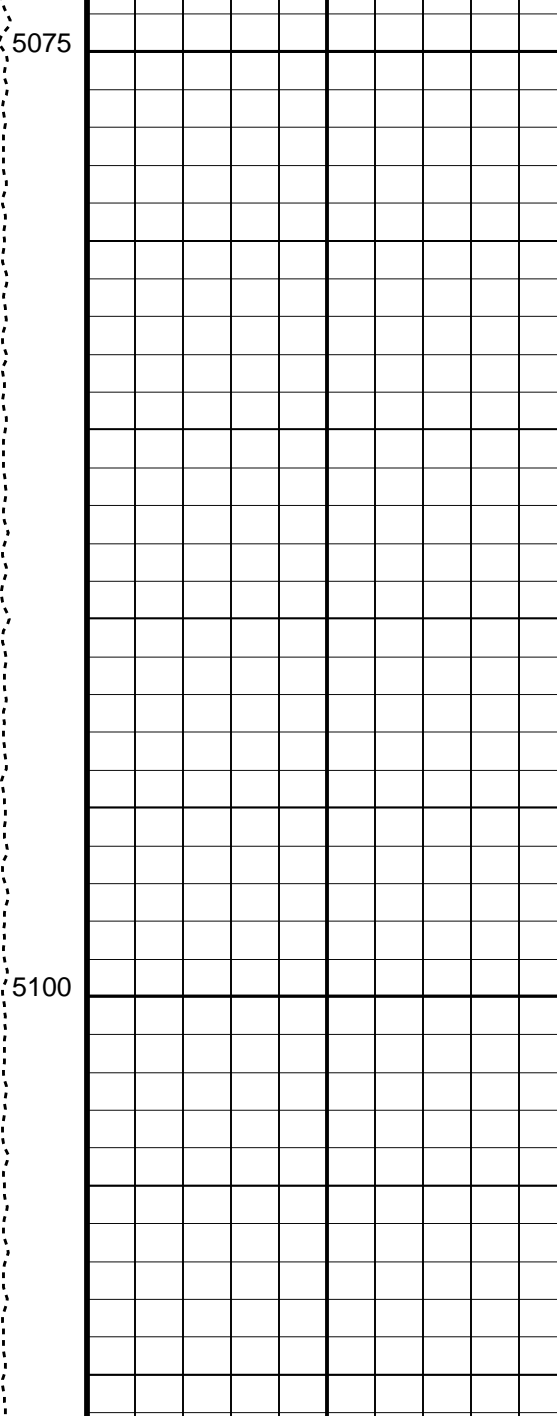
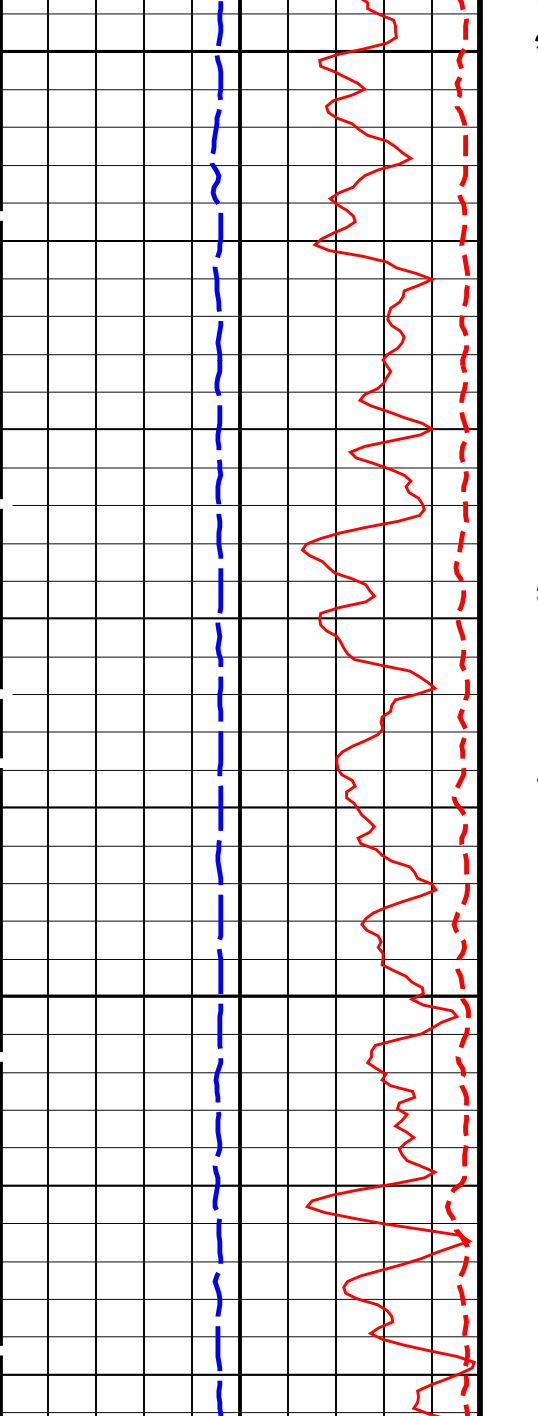
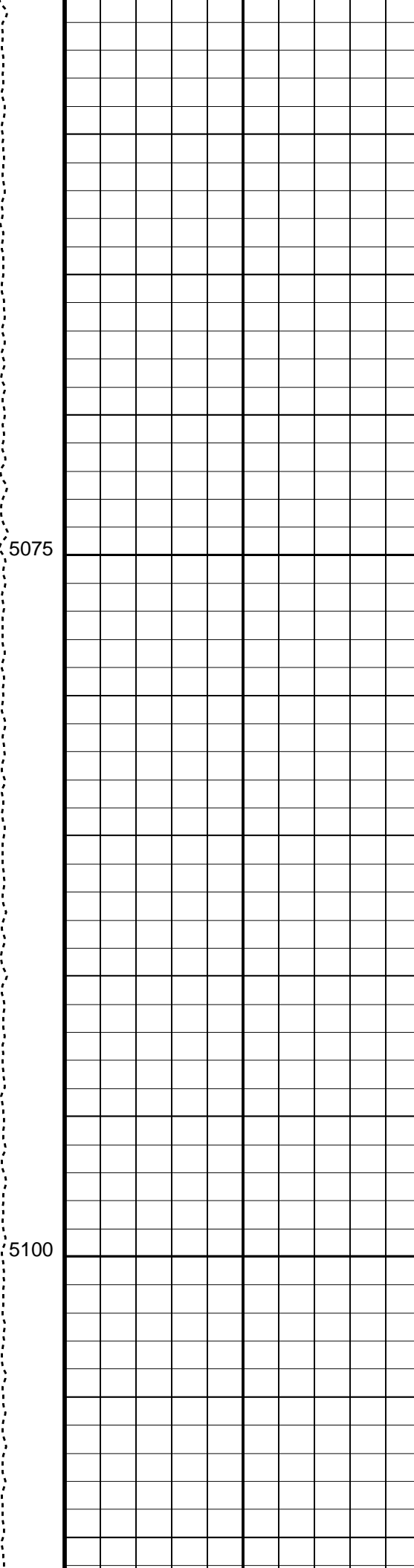
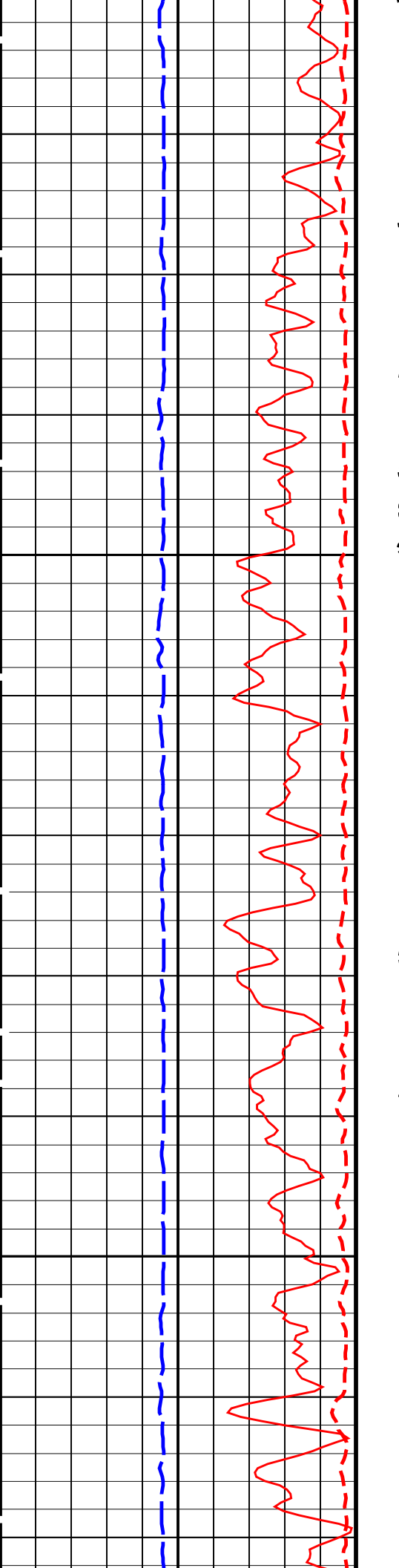
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DTA-A	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

Time Mark Every 60 S

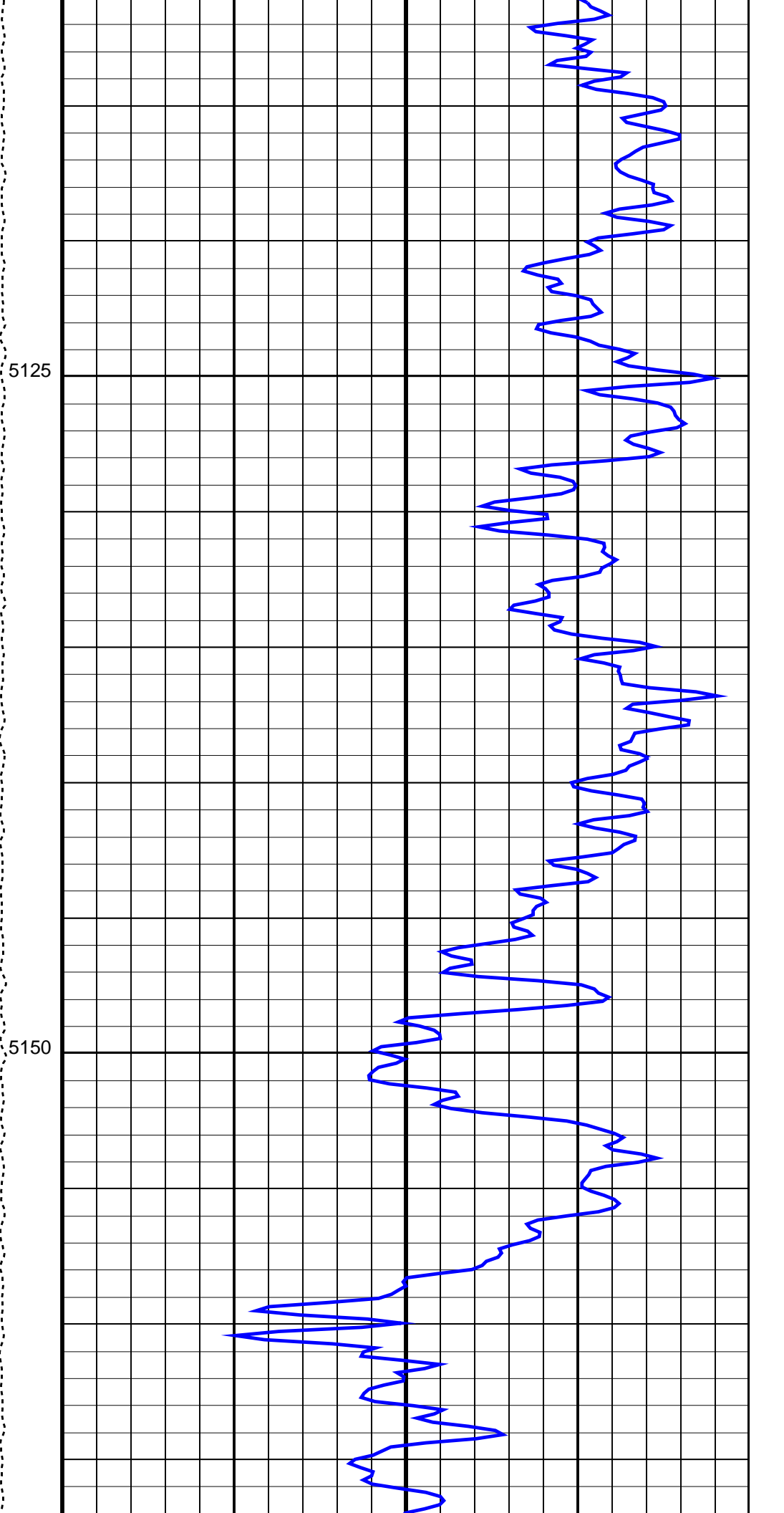
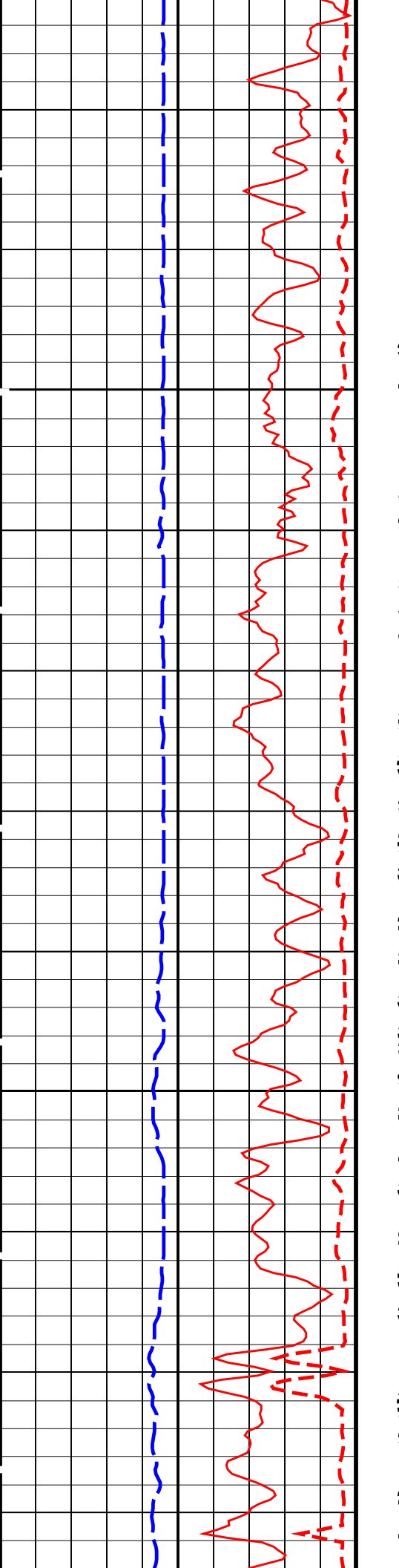
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APS Total Correction in APLC (PHICOR_APLC)		
-10	(PU)	10
APS Formation Capture Cross-Section (SIGF)		
0	(CU)	50

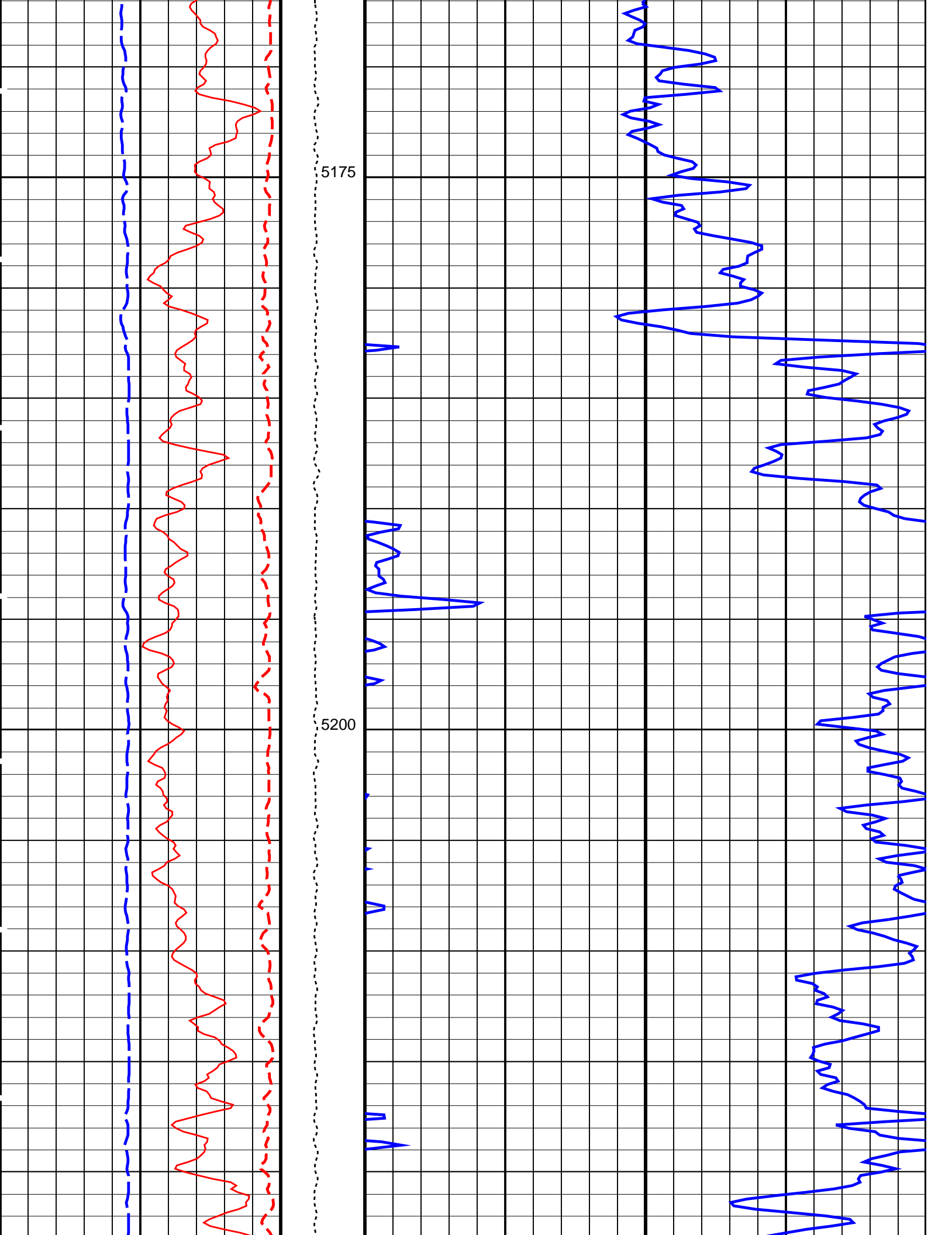


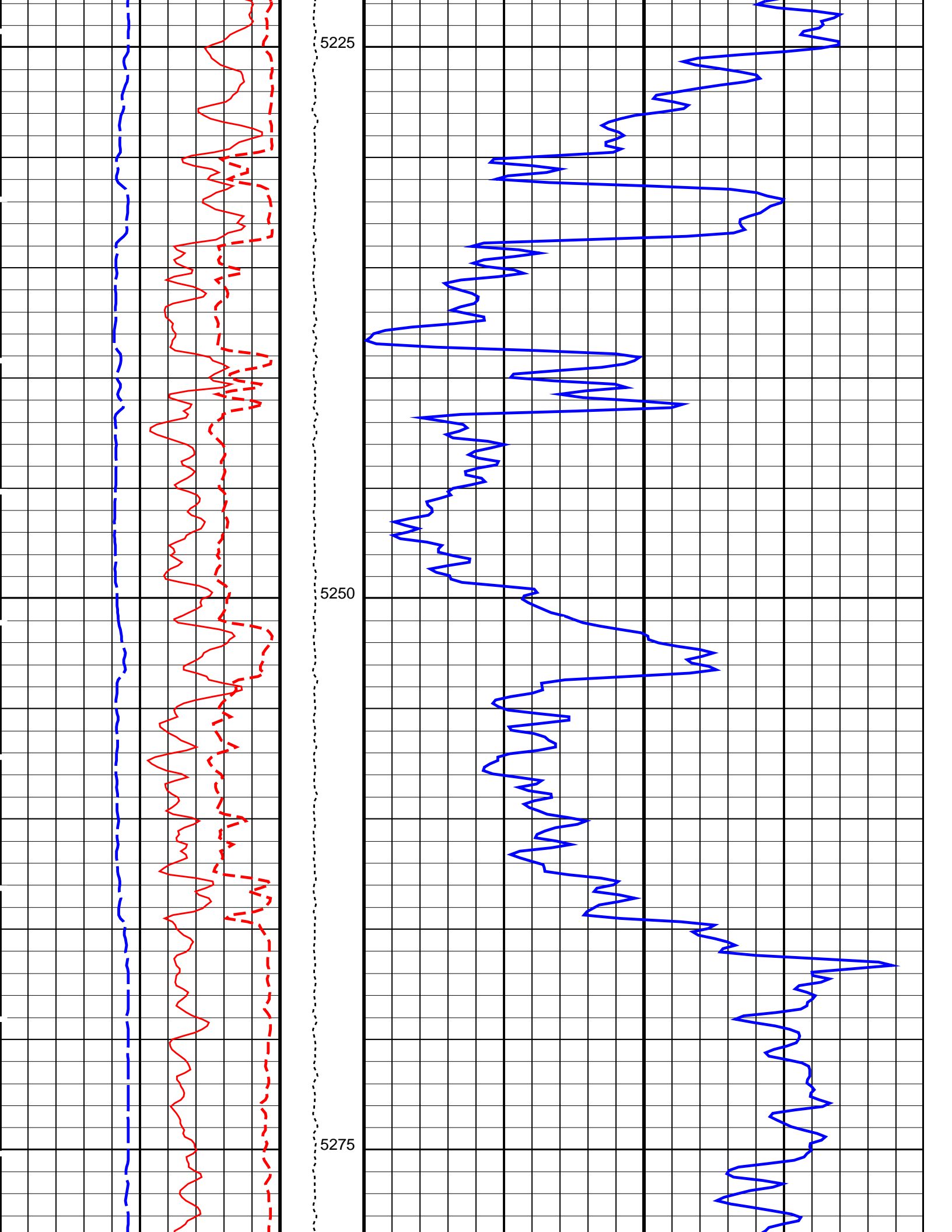


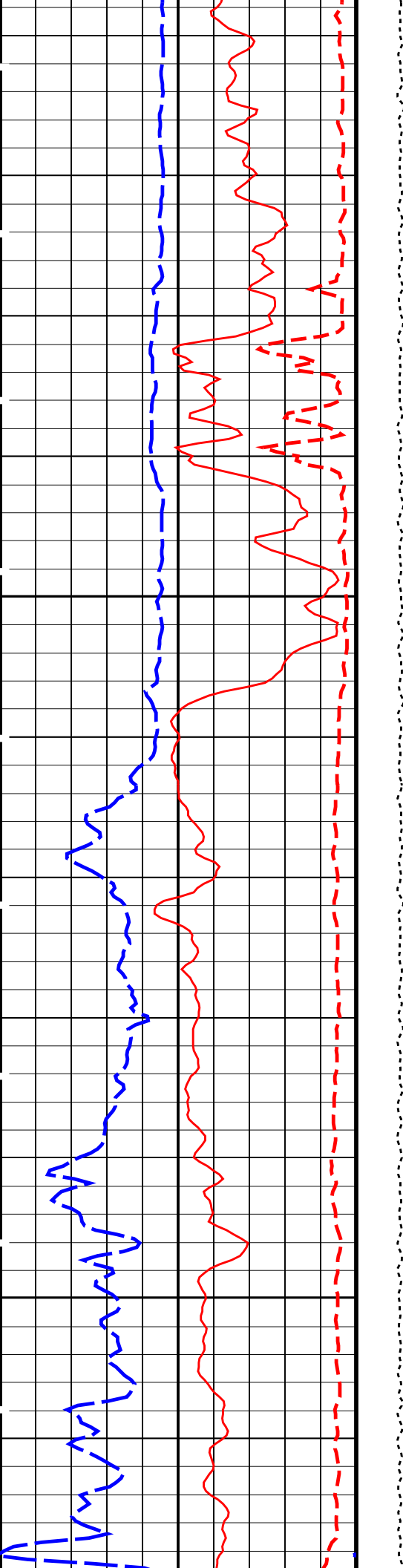
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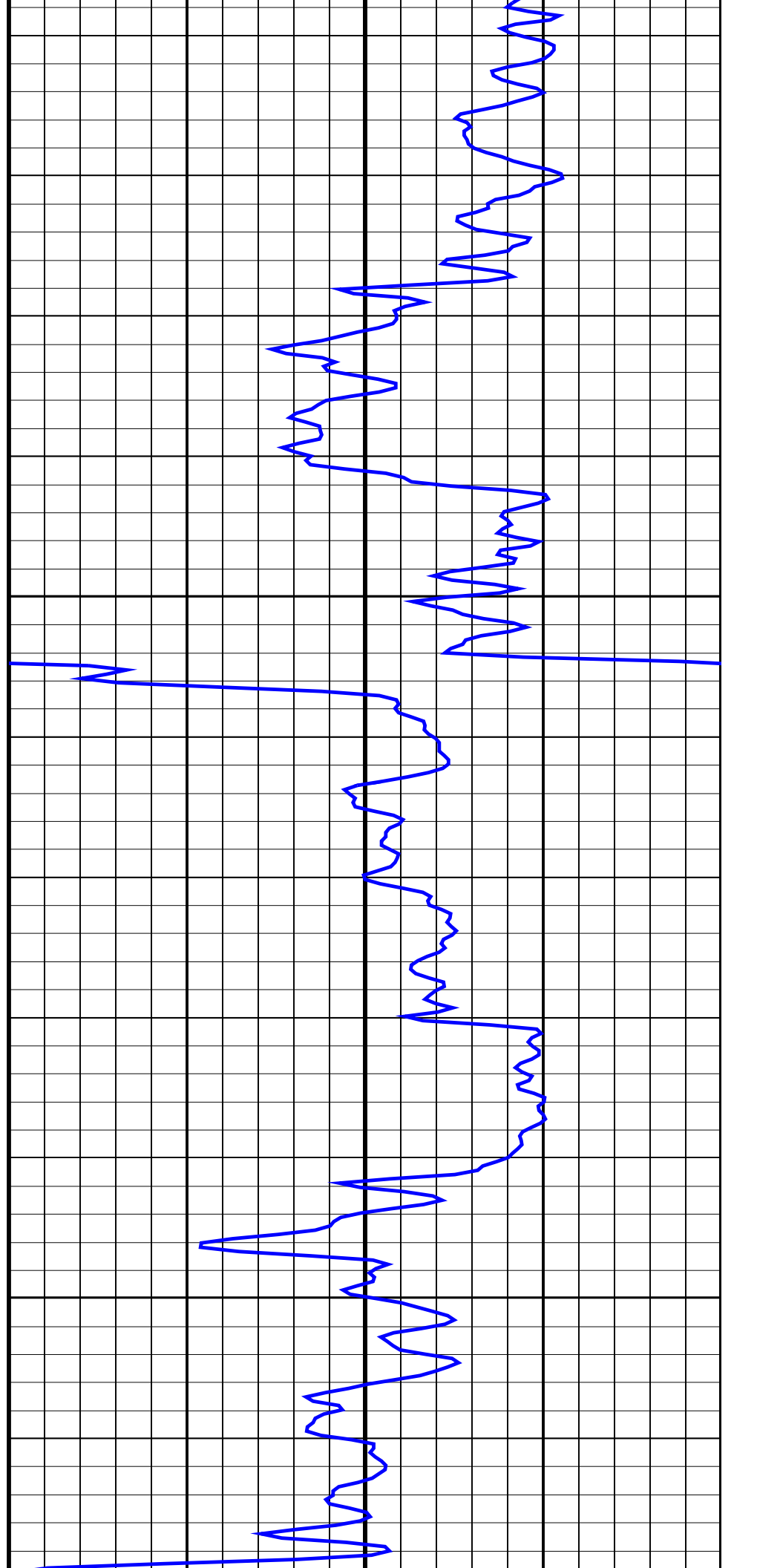


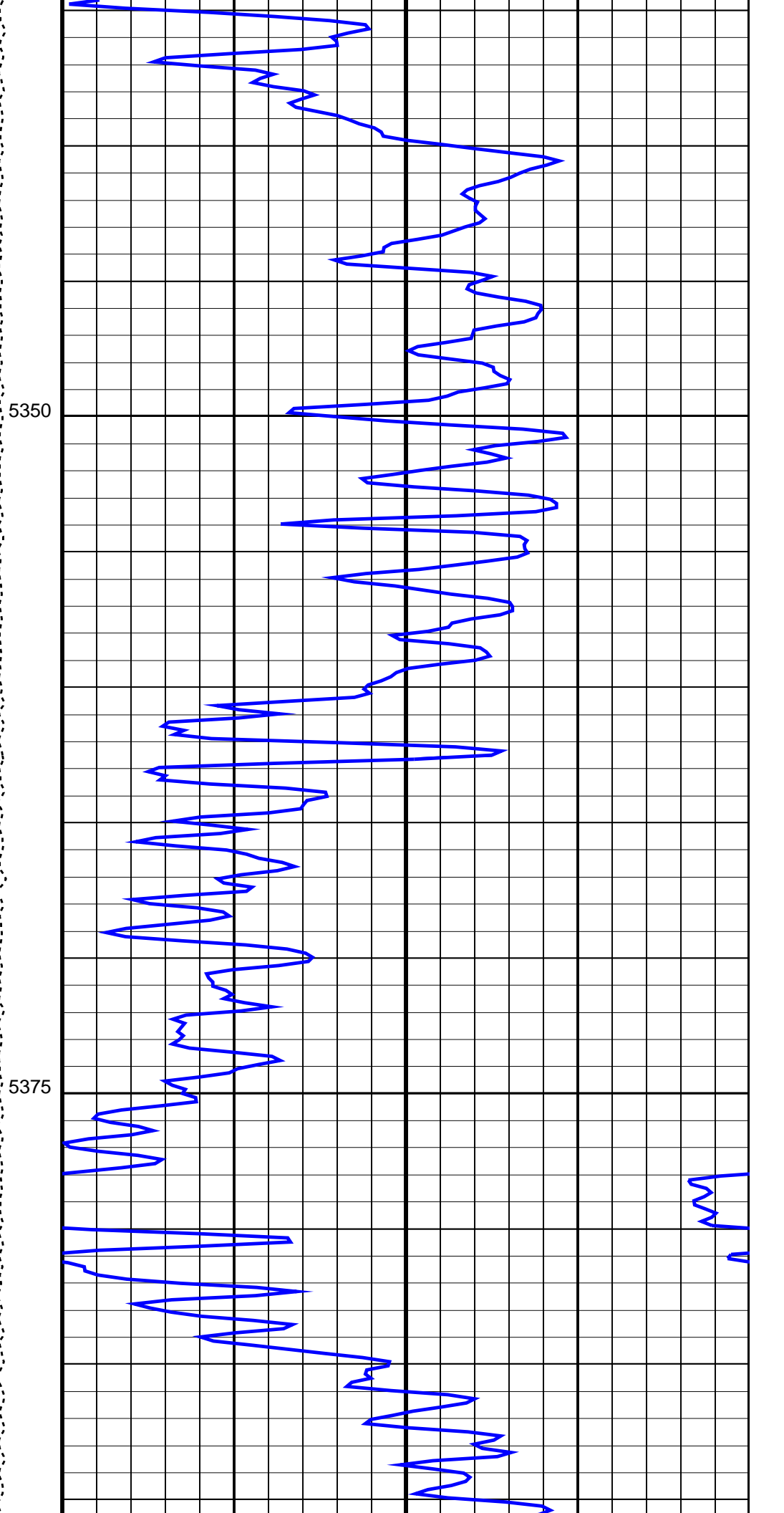
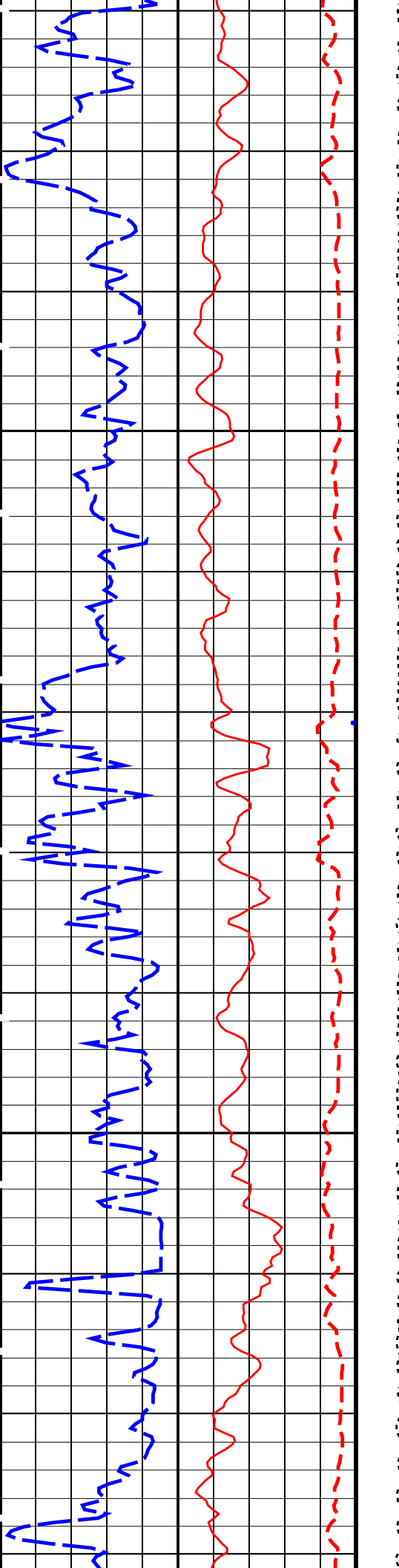


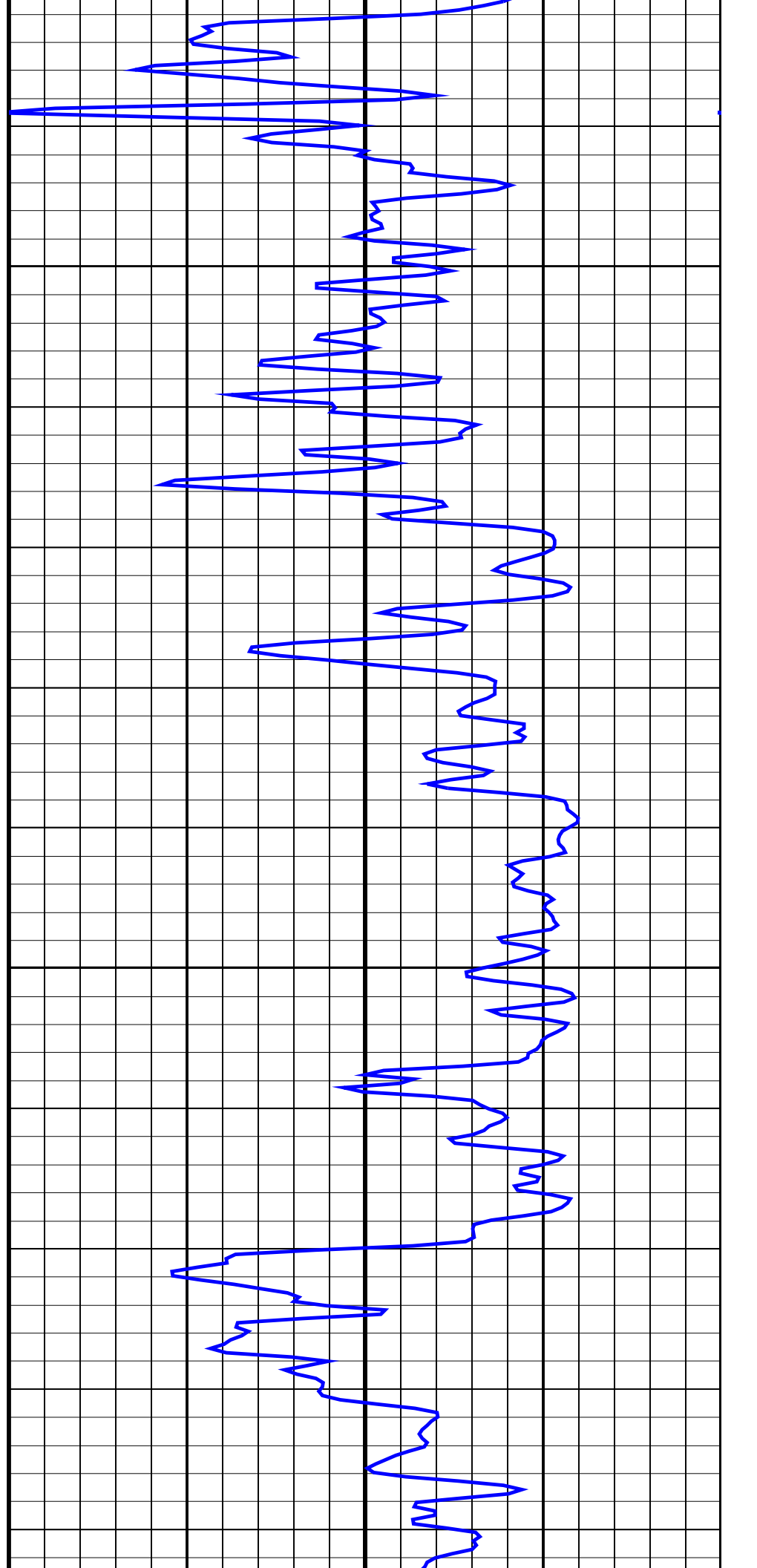
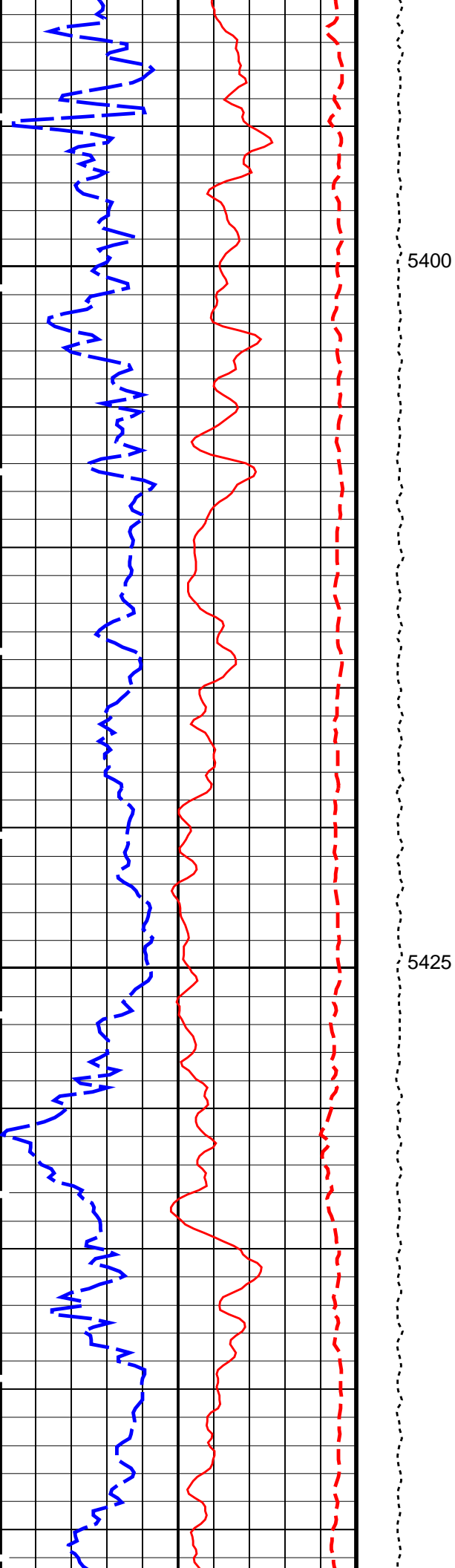


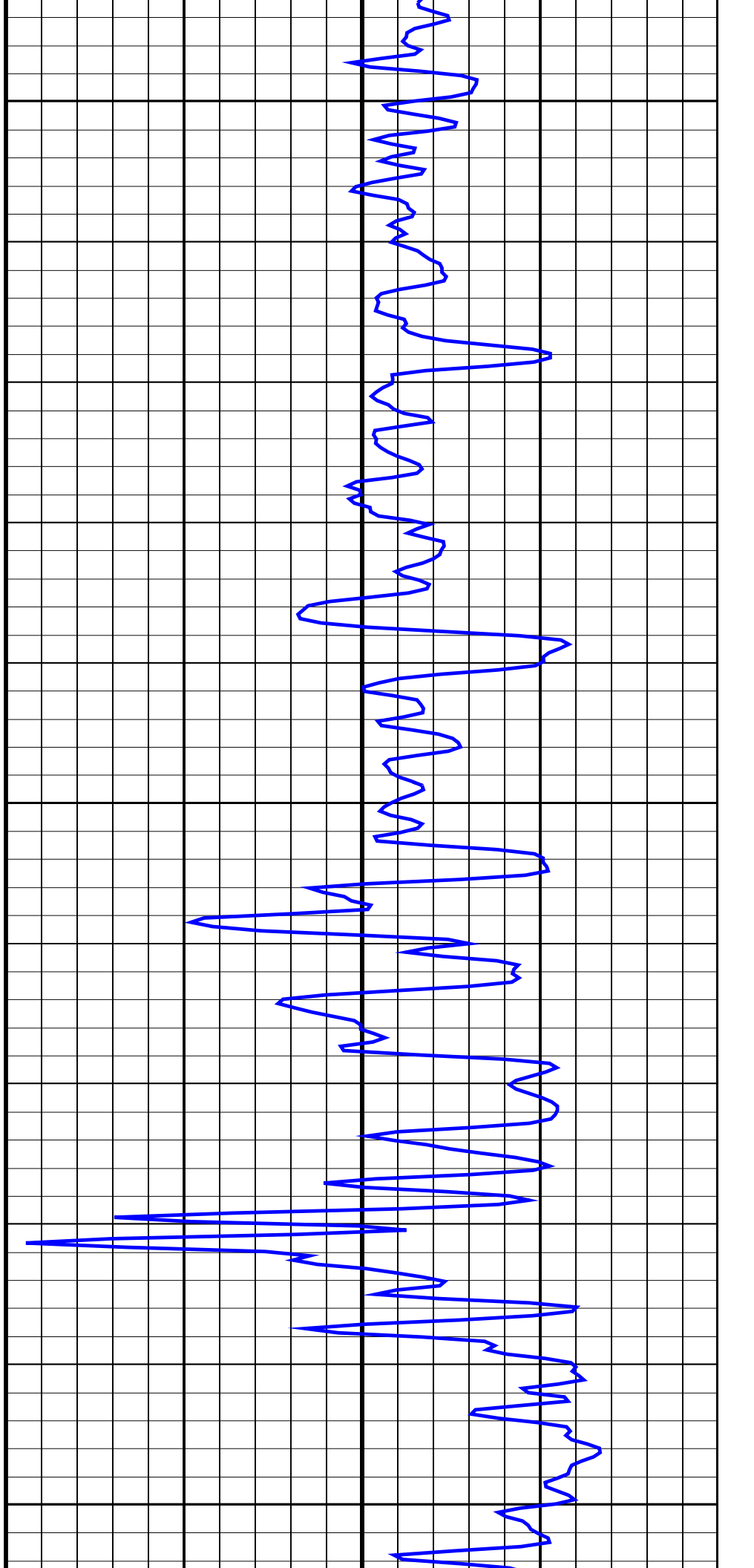
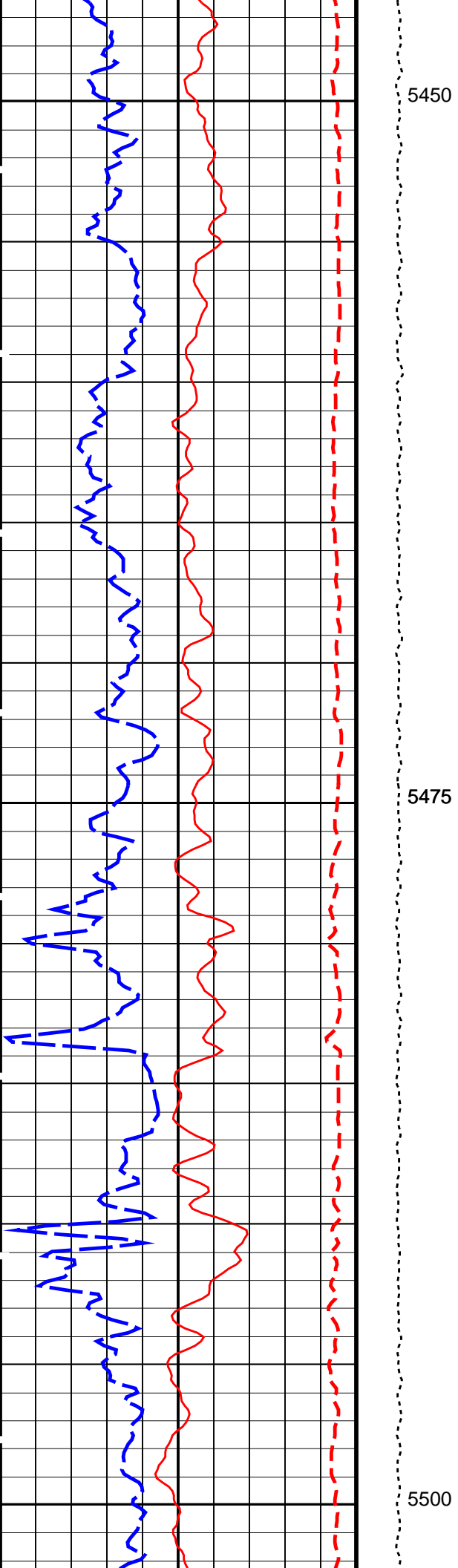
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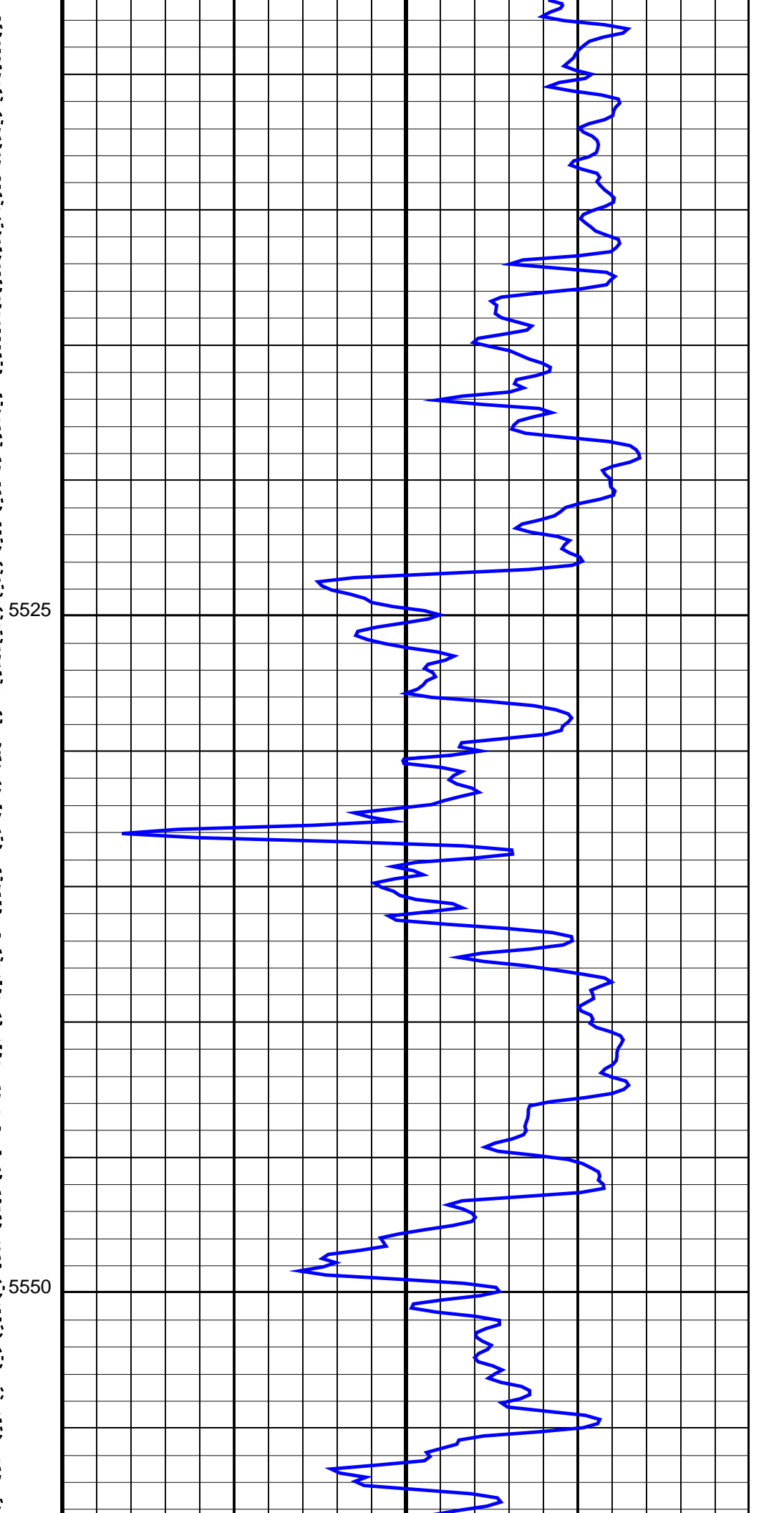
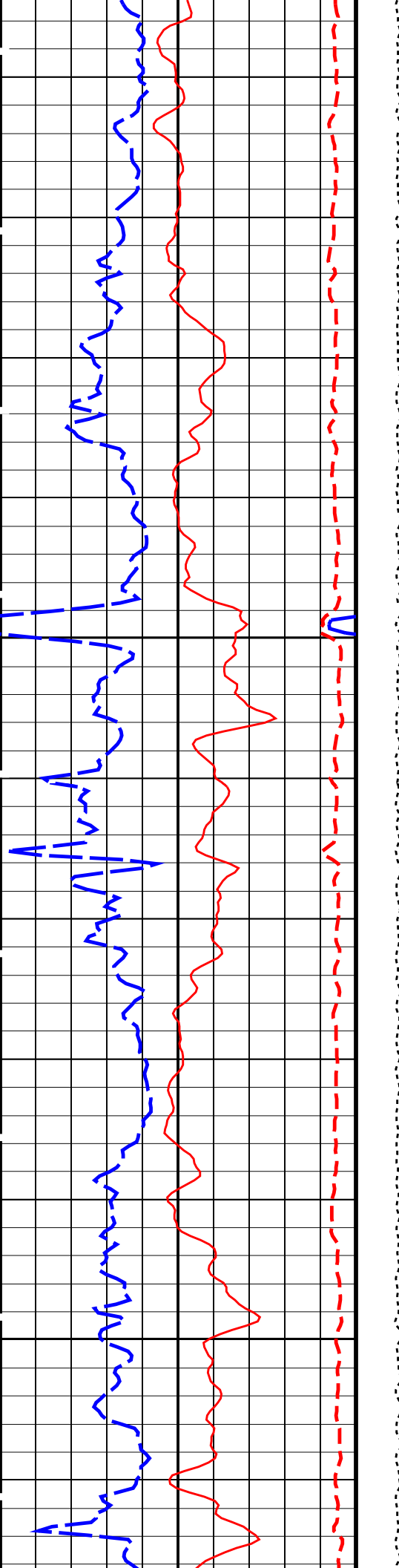
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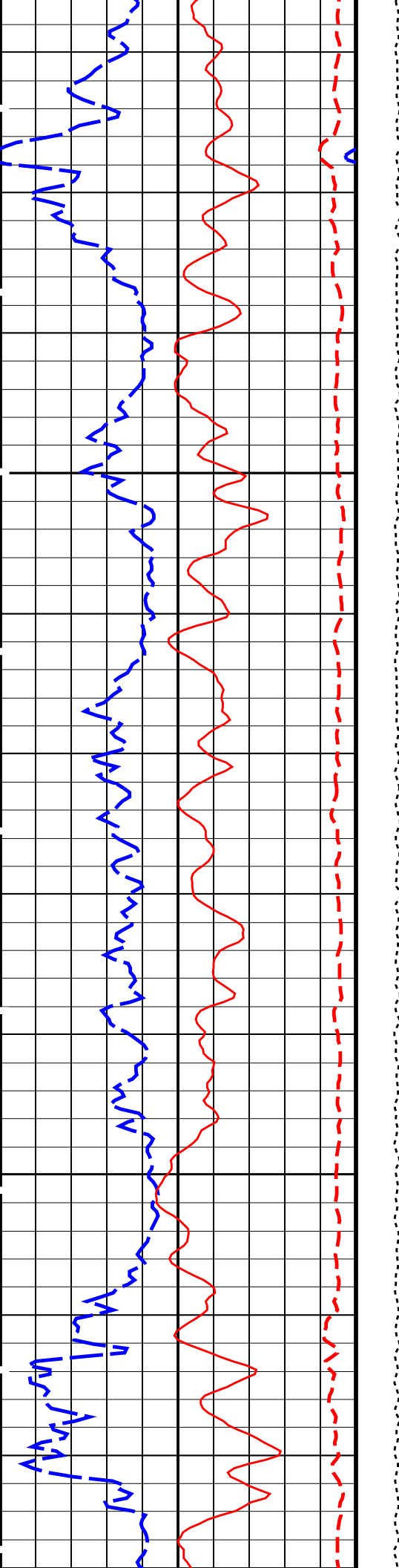






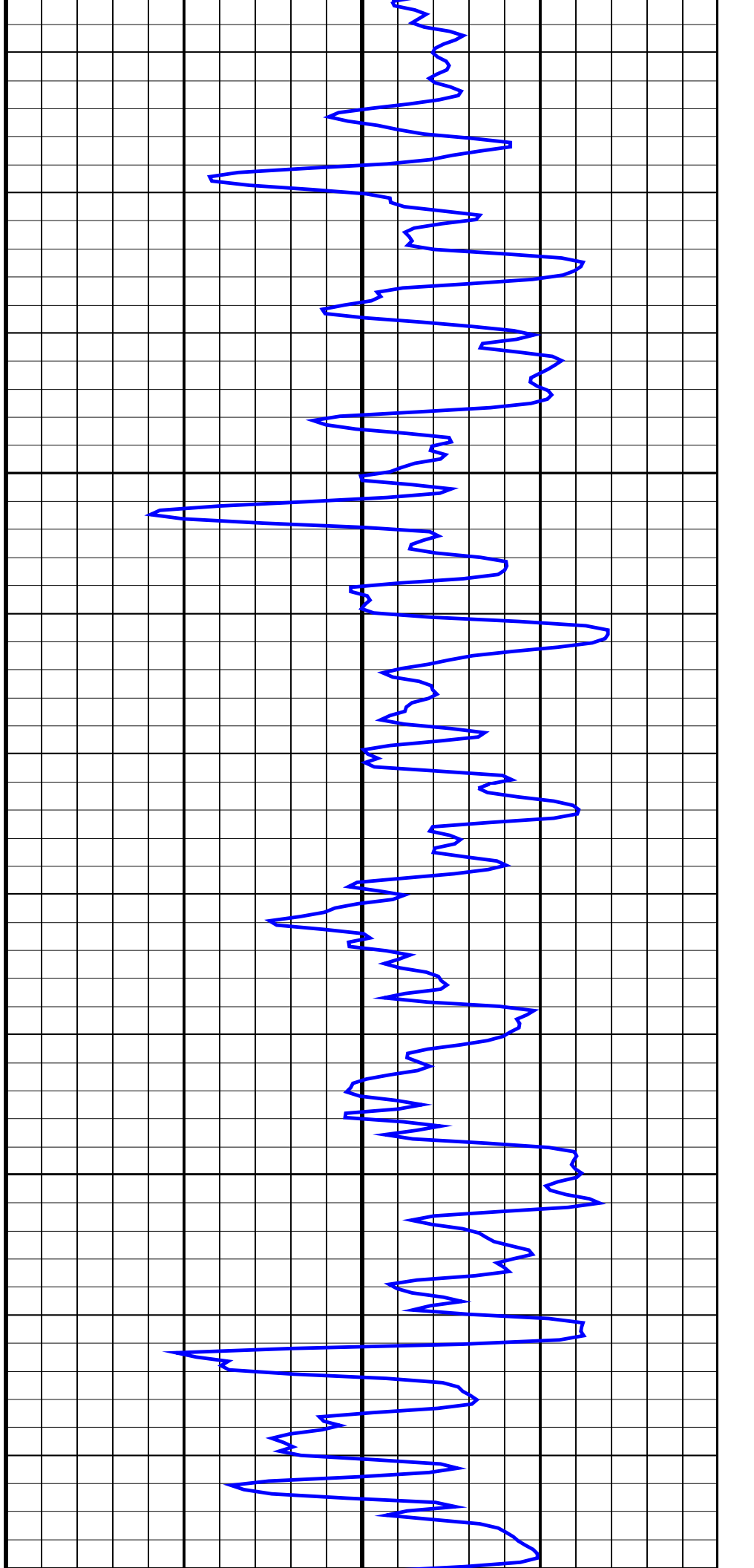


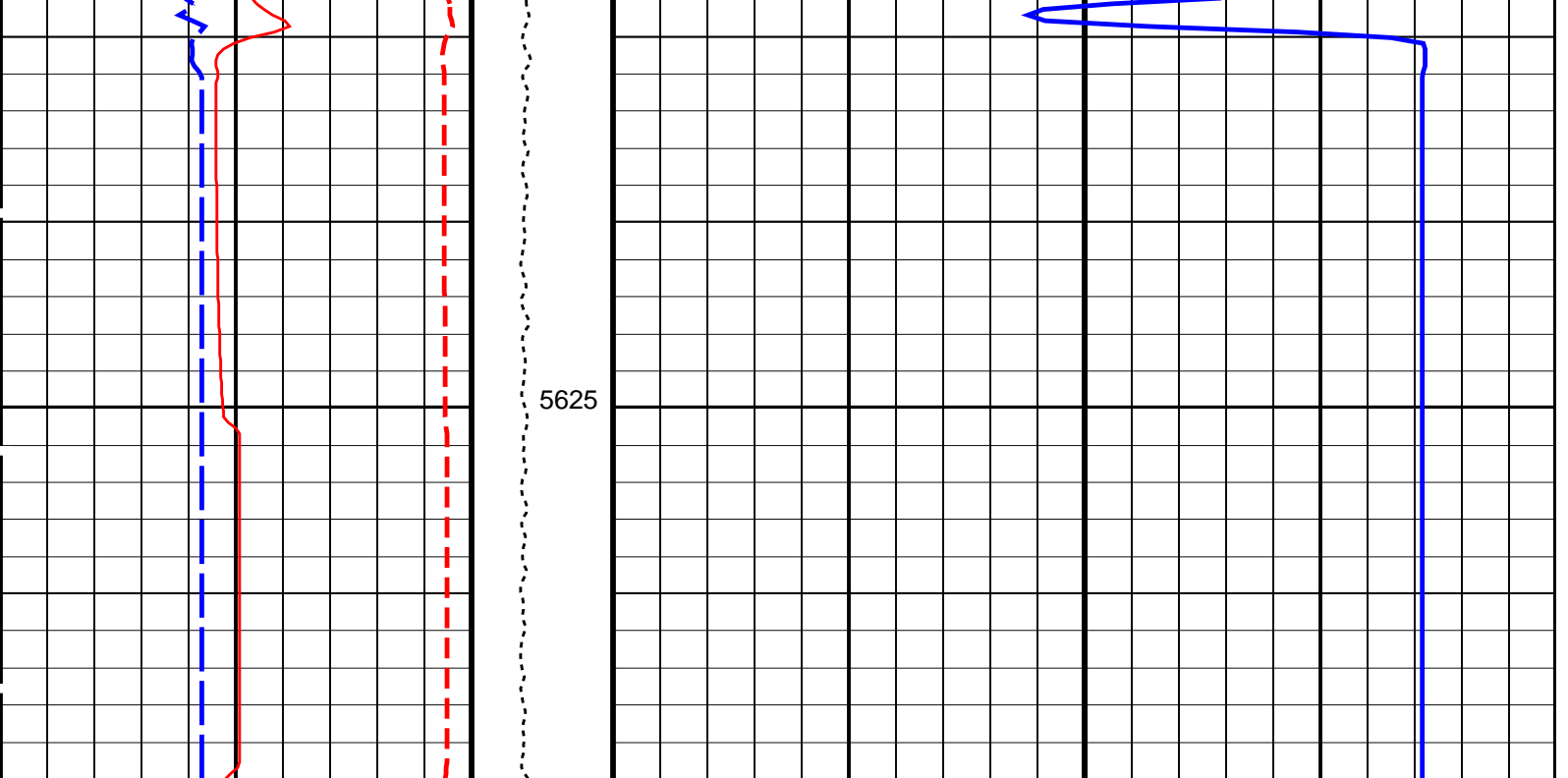




5575

5600





APS Porosity Quality (QSDP) (----)	Tension (TENS) (LBF)	APS Near/Array Corrected Limestone Porosity (APLC) (PU)
10 0	60 10000 0	0
APS Formation Capture Cross-Section (SIGF) (CU)		
0 50		
APS Total Correction in APLC (PHICOR_APLC) (PU)		
-10 10		
APS Quality of Formation Capture Cross-Section (QSGF) (----)		
10 0		

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
UBI-E: Ultrasonic Borehole Imager - E	UBI Tool Working Mode for Measurement	UBI7_SW500_180_1	
	Vertical Resolution	IN: 1.0	
	Default Fluid Velocity	203	US/F
UBI Tool Working Mode for FPM		UBIC_FW500_140_RAW	
APS-C: Accelerator-Porosity Tool	APS Software Version	5	
AASD	APS Thermal and Array Detectors High Voltage Setting	1976.24	V
ADSO	APS Array Detectors Data Source Switch	Both	
AFSD	APS Far Detector High Voltage Setting	2067.55	V
AHCS	APS Holesize Correction Source	GCSE	
AHSS	APS Holesize Correction Switch	ON	
AMTY	APS Environmental Corrections Mud Type	WaterBaseBarite	
ANSD	APS Near Detector High Voltage Setting	1737.8	V
ASOS	APS Standoff Correction Switch	ON	
ATSS	APS Temperature-Pressure-Salinity Correction Switch	ON	
BHFL_APS	APS TNPH Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC
BSCO_APS	APS TNPH Borehole Salinity Correction Option	NO	
DPPM	Density Porosity Processing Mode	HIRS	
DSCO_APS	APS TNPH Density Source Correction Option	MEASURED	
FSAL	Formation Salinity	-50000	PPM
FSCO_APS	APS TNPH Formation Salinity Correction Option	NO	

GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HSCO_APS	APS TNPH Hole Size Correction Option	YES	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO_APS	APS TNPH Mud Cake Correction Option	YES	
MCOR_APS	APS TNPH Mud Correction	NATU	
MWCO_APS	APS TNPH Mud Weight Correction Option	YES	
NARC	APS Near/Array Calibration Ratio	1.08341	
NFRC	APS Near/Far Calibration Ratio	0.942369	
PTCO_APS	APS TNPH Pressure/Temperature Correction Option	NO	
SHT	Surface Hole Temperature	20	DEGC
TNCO_APS	APS TNPH Computation Option	YES	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	20	DEGC
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC
DPPM	Density Porosity Processing Mode	HIRS	
FSAL	Formation Salinity	-50000	PPM
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	20	DEGC
UHSV: UBI Hole Shape Analysis			
	UBI Tool Working Mode for Measurement	UBI7_SW500_180_1	
	Vertical Resolution	IN_1.0	
	Default Fluid Velocity	203	US/F
	UBI Tool Working Mode for FPM	UBIC_FW500_140_RAW	
System and Miscellaneous			
BS	Bit Size	9.875	IN
BSAL	Borehole Salinity	38000.00	PPM
CWEI	Casing Weight	168.00	LB/F
DFD	Drilling Fluid Density	1.03	G/C3
FLEV	Fluid Level	-50000.00	M
MST	Mud Sample Temperature	23.00	DEGC
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
TD	Total Depth	9345.14	FT

Format: APSLiquidPorosity Vertical Scale: 1:200 Graphics File Created: 05-May-2022 13:39

OP System Version: 19C0-187

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

Output DLIS Files

DEFAULT	UBI_APS_NGS_047LUP	FN:52	PRODUCER	05-May-2022 13:39
RTB	UBI_APS_NGS_047LUP	FN:53	PRODUCER	05-May-2022 13:39

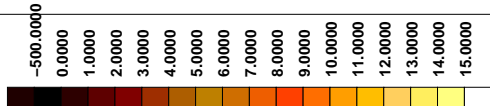
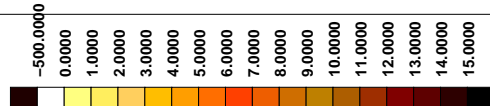
Company: International Ocean Discovery Program Well: Expedition 390, Site U1556B

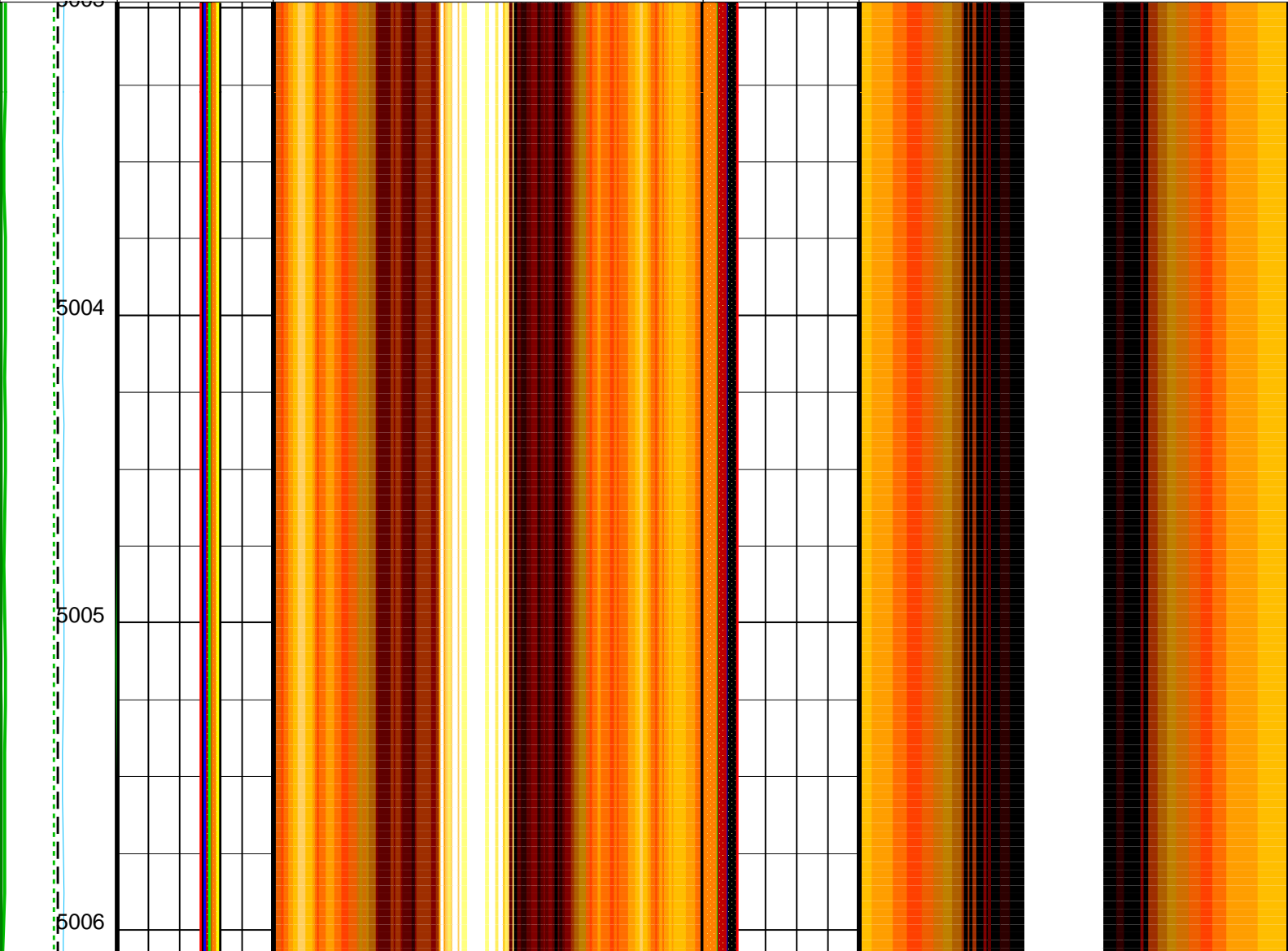
Output DLIS Files

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RTB	UBI_APS_NGS_047LUP	FN:53	PRODUCER	05-May-2022 13:39	5635.0 M	5002.9 M

OP System Version: 19C0-187

UBI-E	SRPC-5095-H2-2011-OP19	GPIT-A/B	19C0-187
DTA-A	19C0-187	APS-C	19C0-187

HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 100	HIGH Amplitude (FA75) 0 (DB) 50		Radius max (UTMX) 4 (IN) 8	
Gamma Ray (GR_EDTC) (GAPI) 0 25	MEDIAN of Amplitude (FAED) 0 (DB) 50		Radius min (UTMN) 4 (IN) 8	
Fluid velocity (CFVL) (US/F) 150 250	Maximum of Amplitude (UAMX) 0 (DB) 50		Radius HIGH (FT75) 4 (IN) 8	
Cable Speed (CS) (M/HR) 0 1000	Min. of Amplitude (UAMN) 0 (DB) 50		Radius LOW (FT25) 4 (IN) 8	
Rev. speed (RSAV) (RPS) 6 8	LOW Amplitude (FA25) 0 (DB) 50	 <p>Corrected Amplitude (AWCN) (DB)</p>	MEDIAN Radius (FTED) 4 (IN) 8	 <p>Corrected transit time (TTCN) (US)</p>



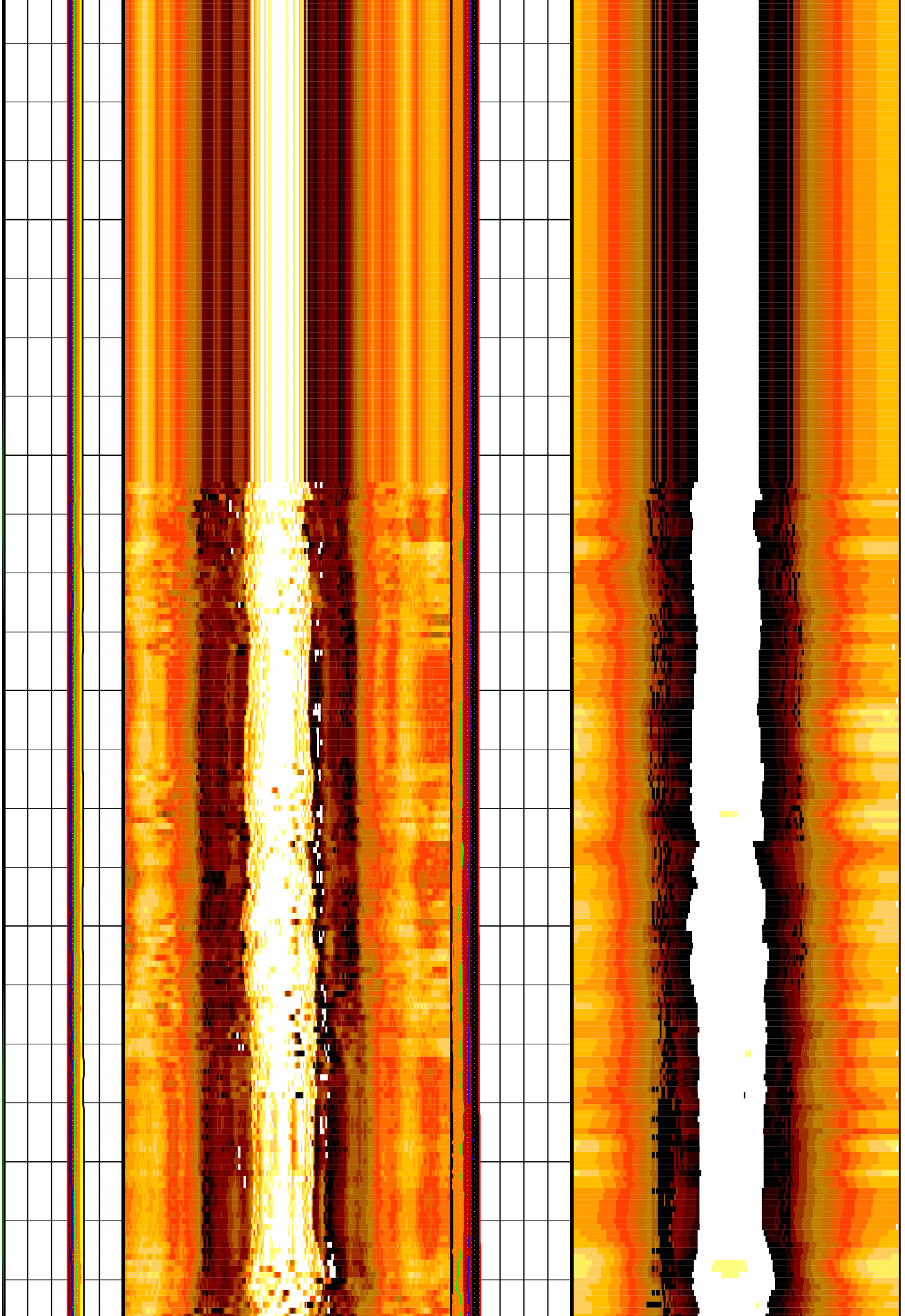
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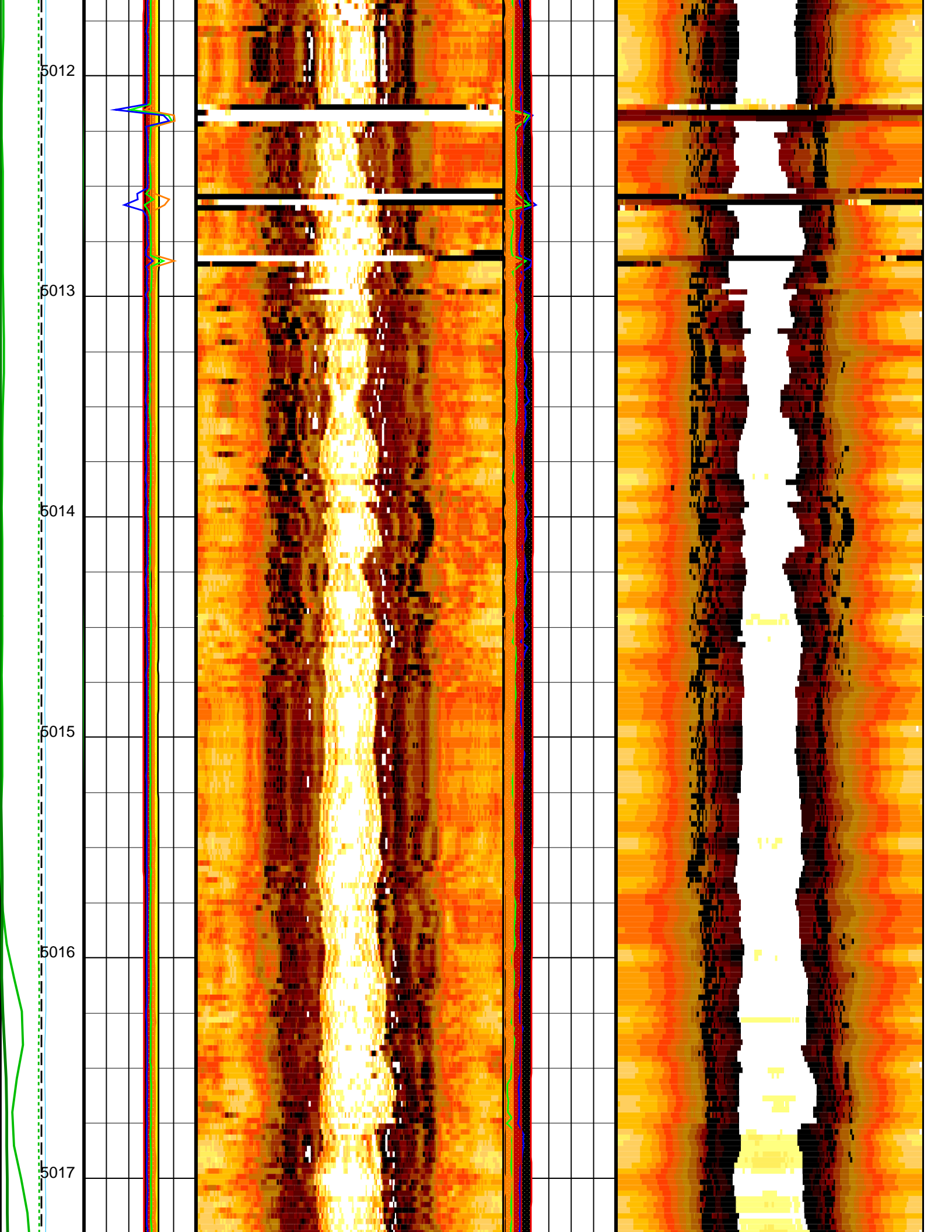
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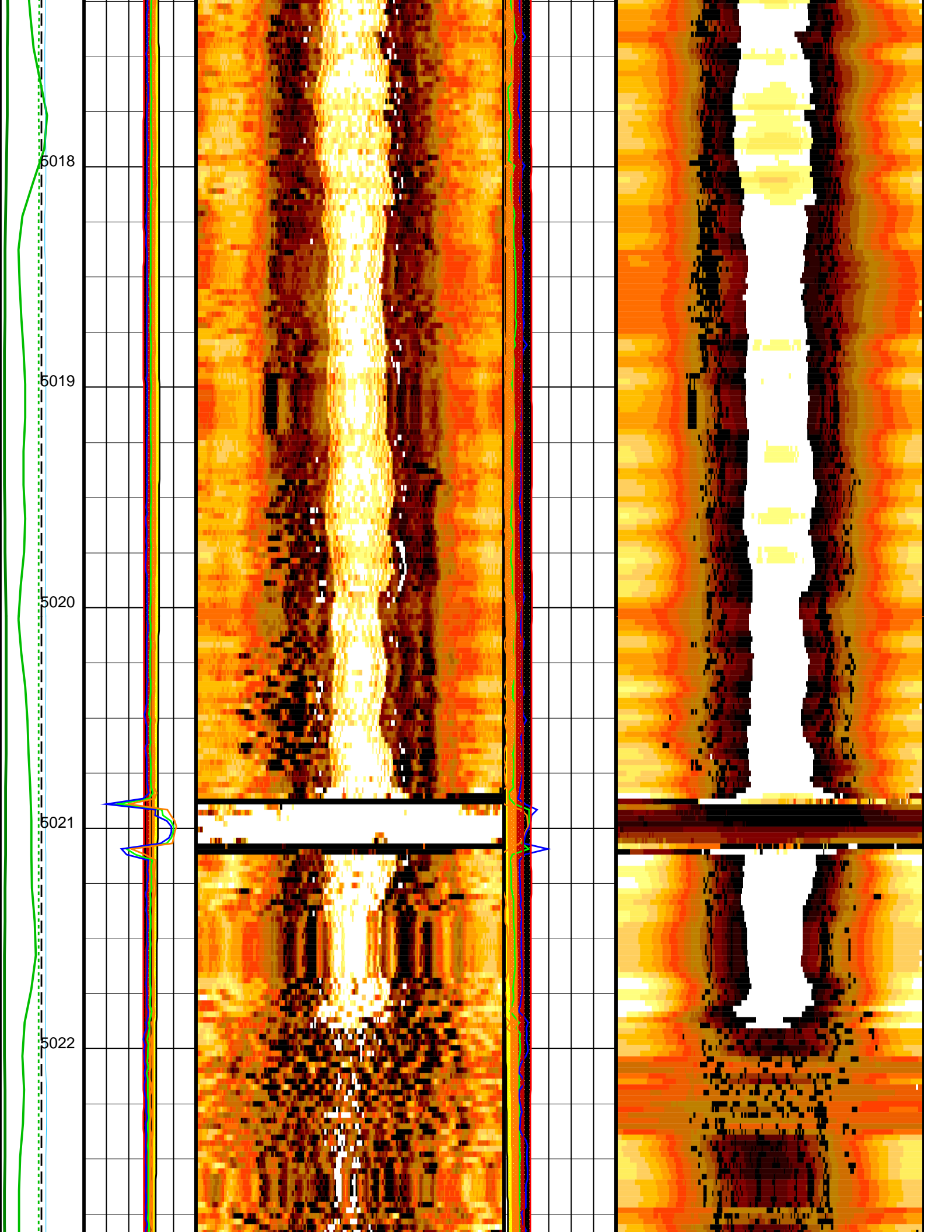
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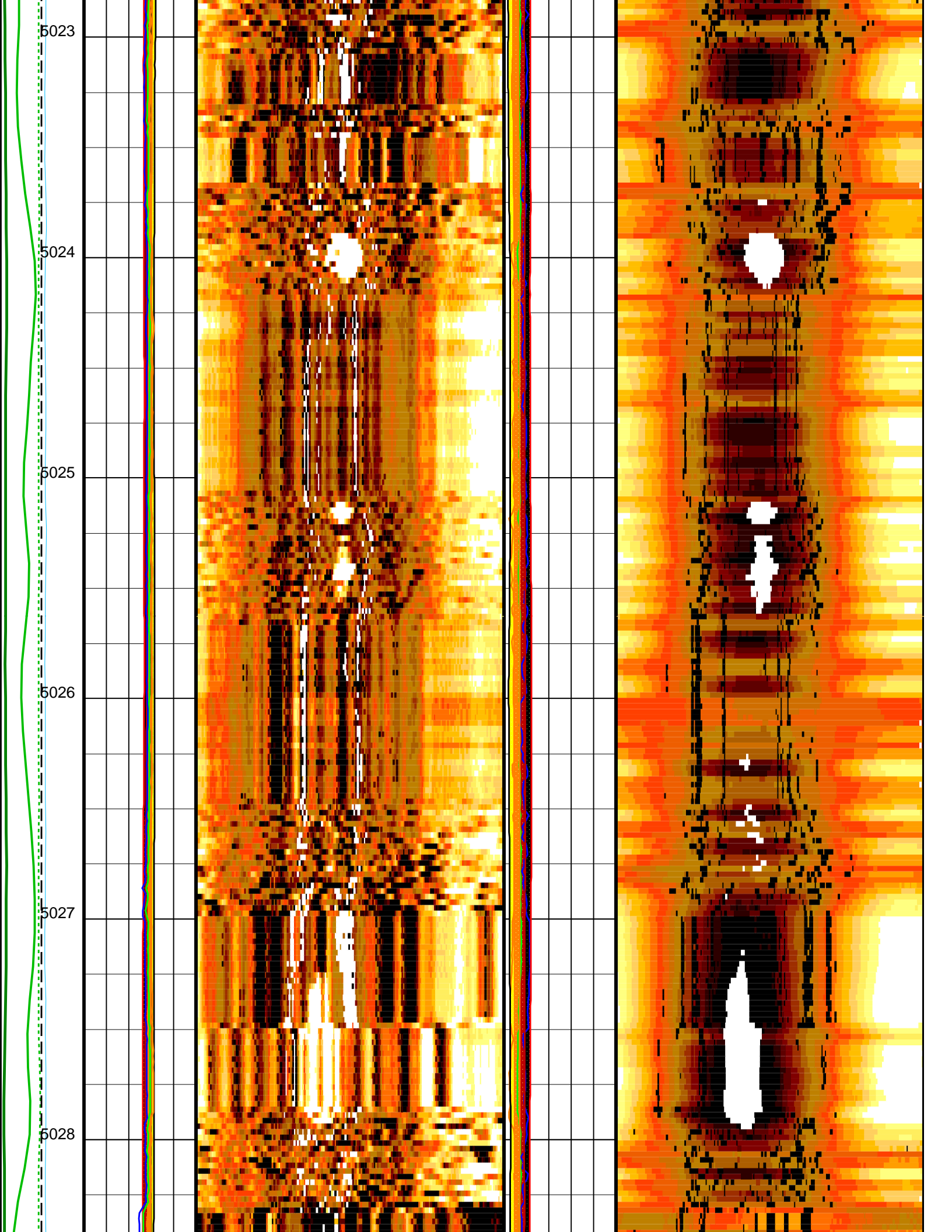
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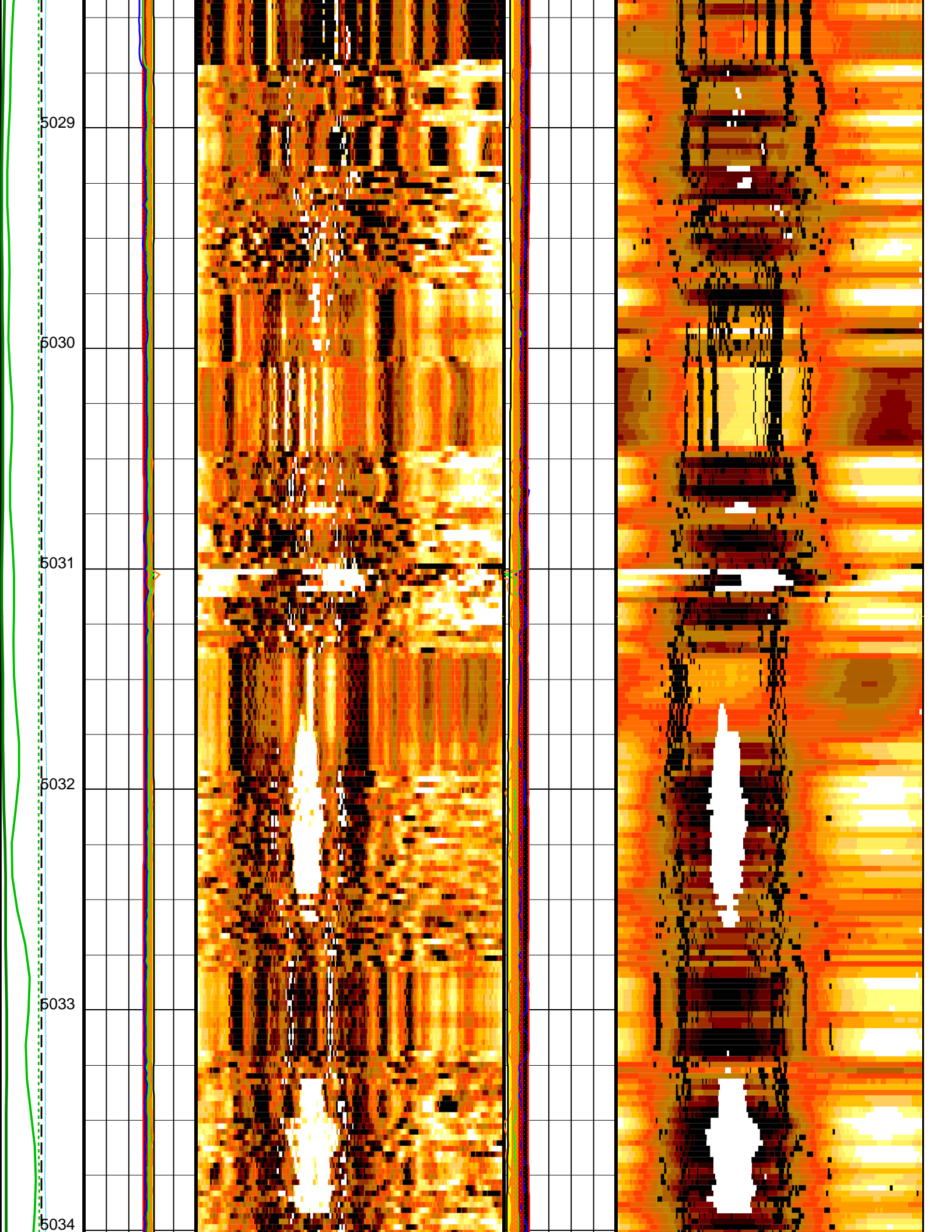
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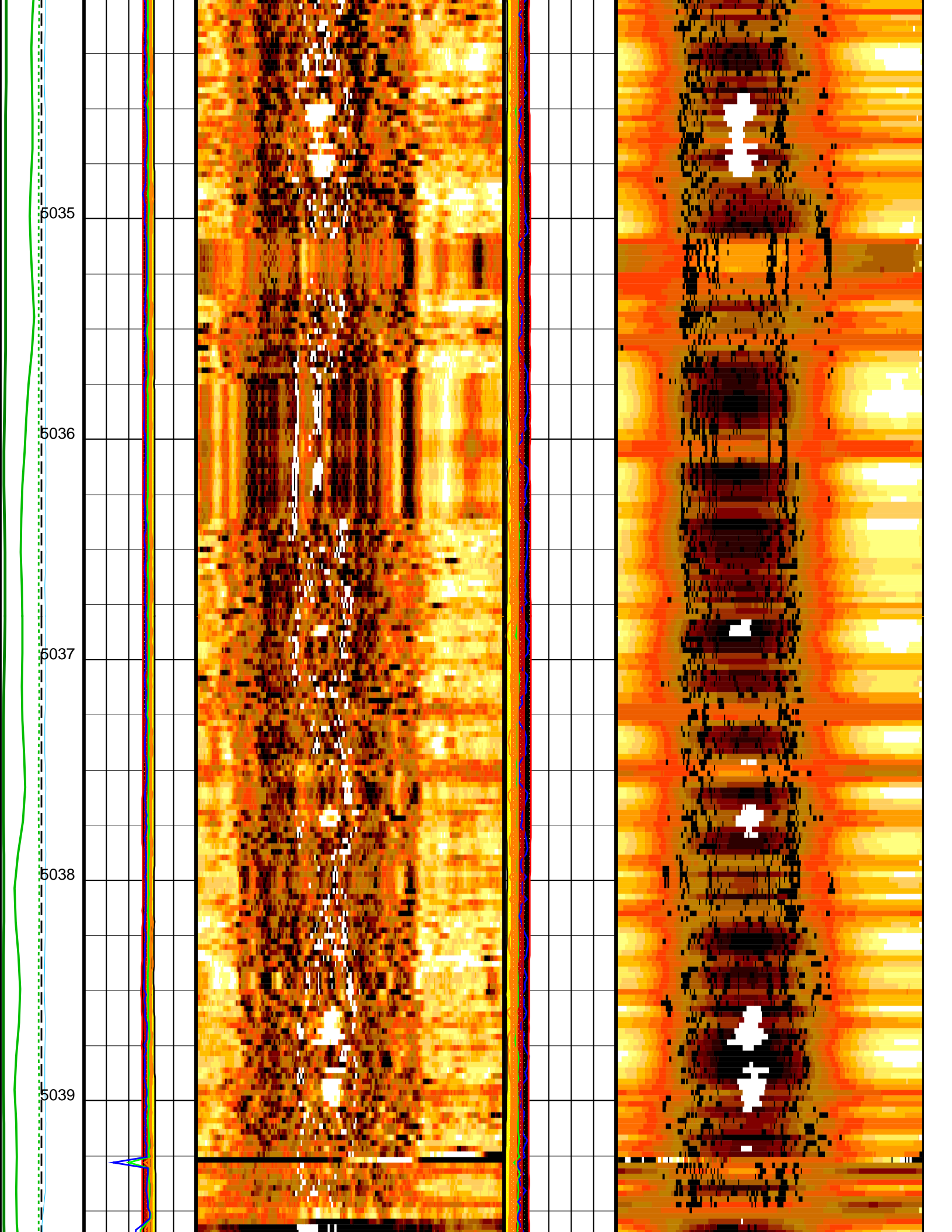
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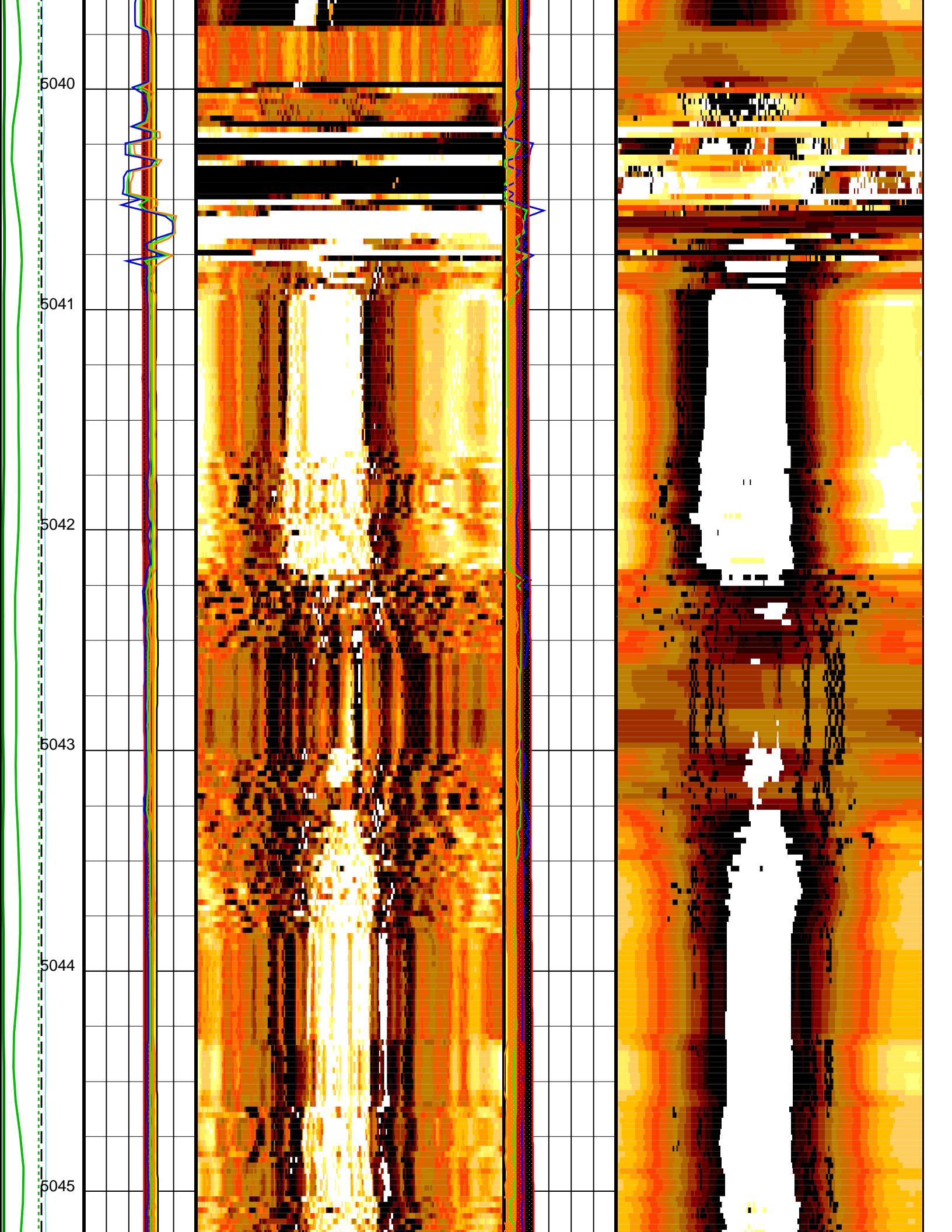
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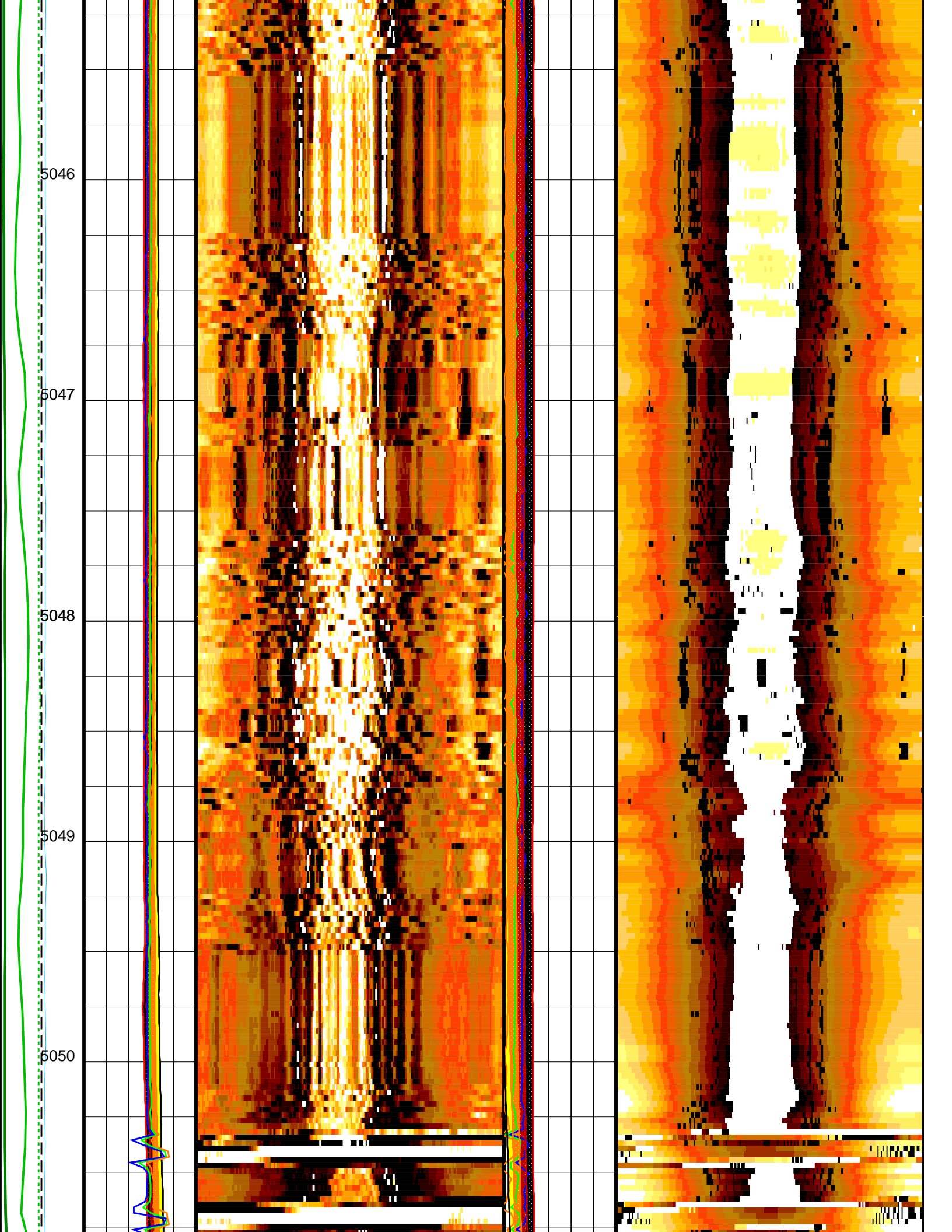
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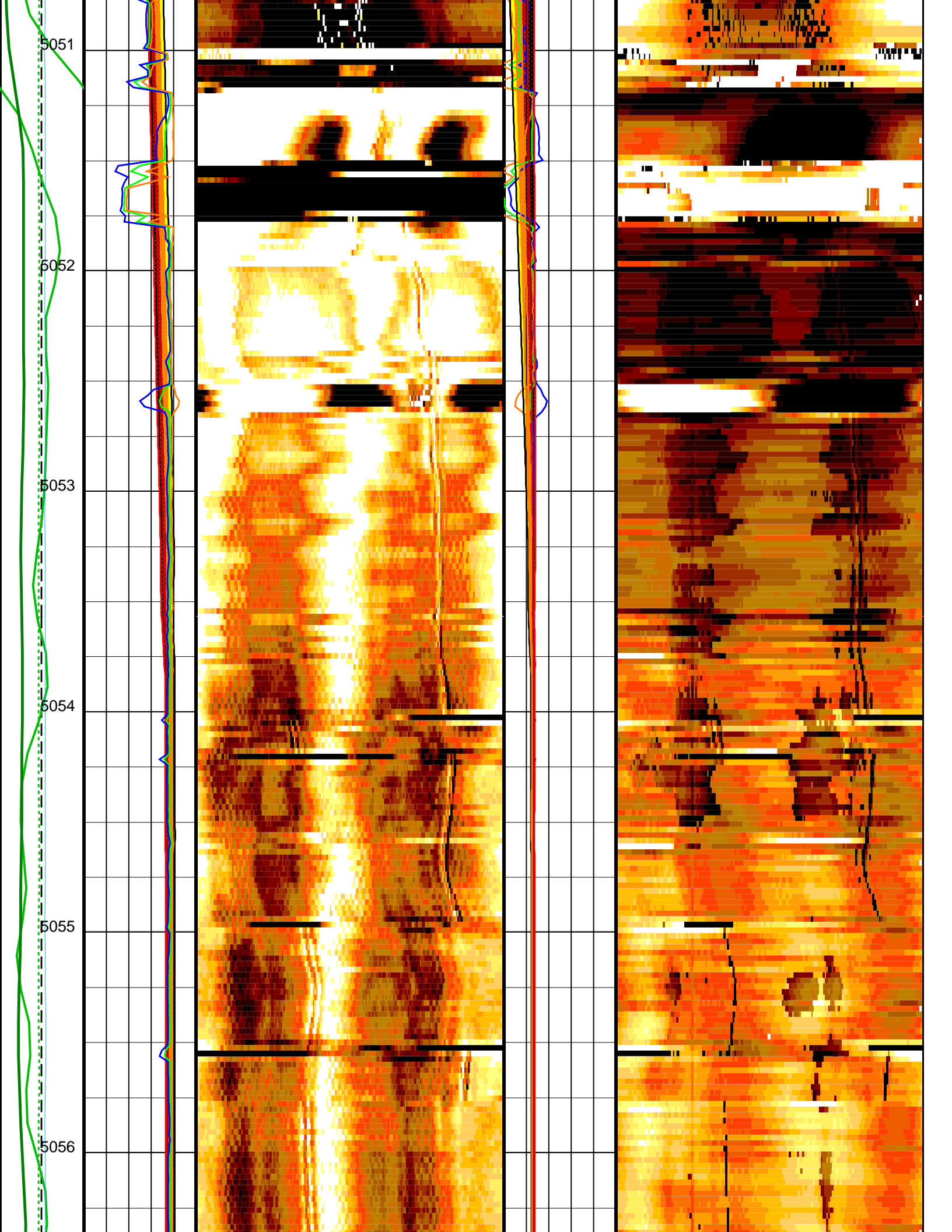
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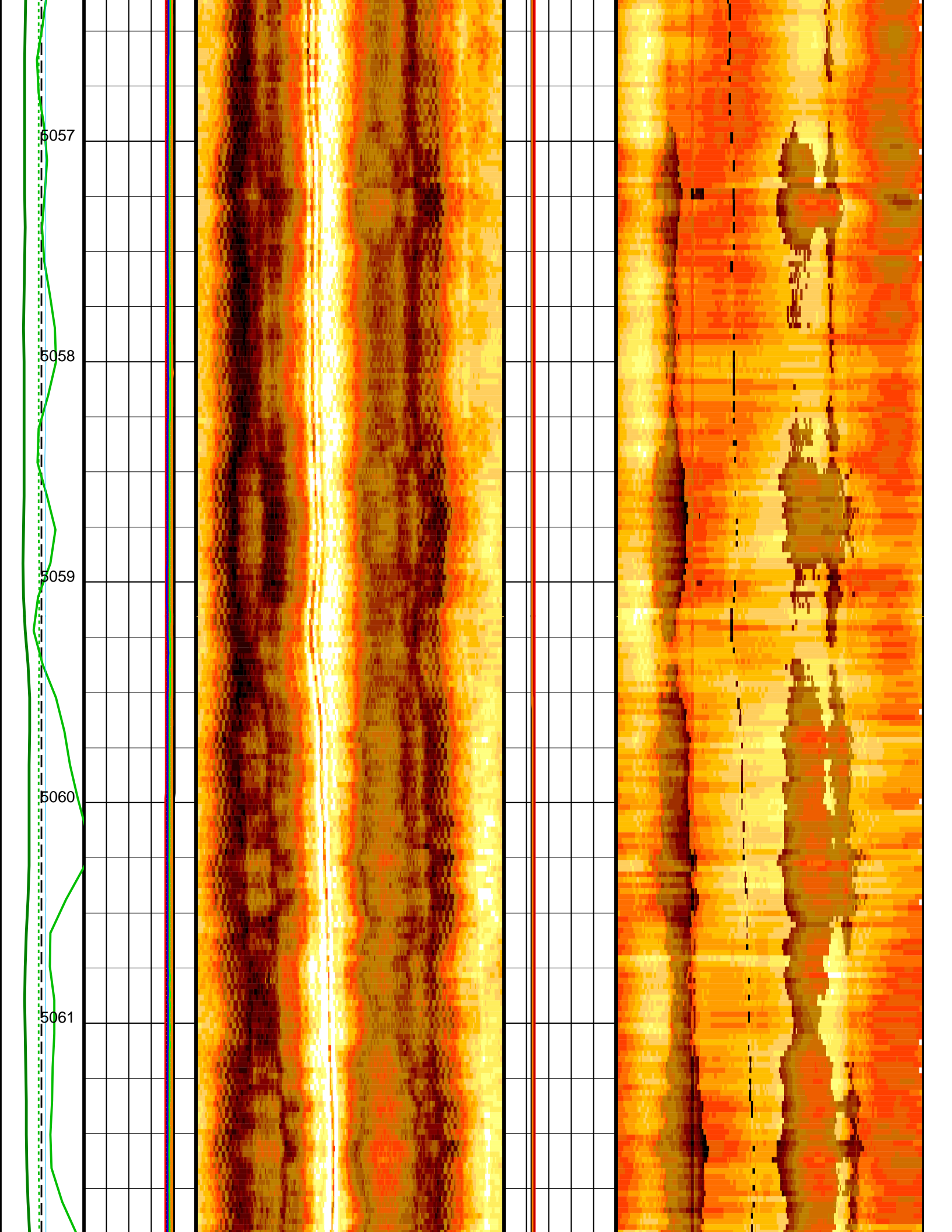


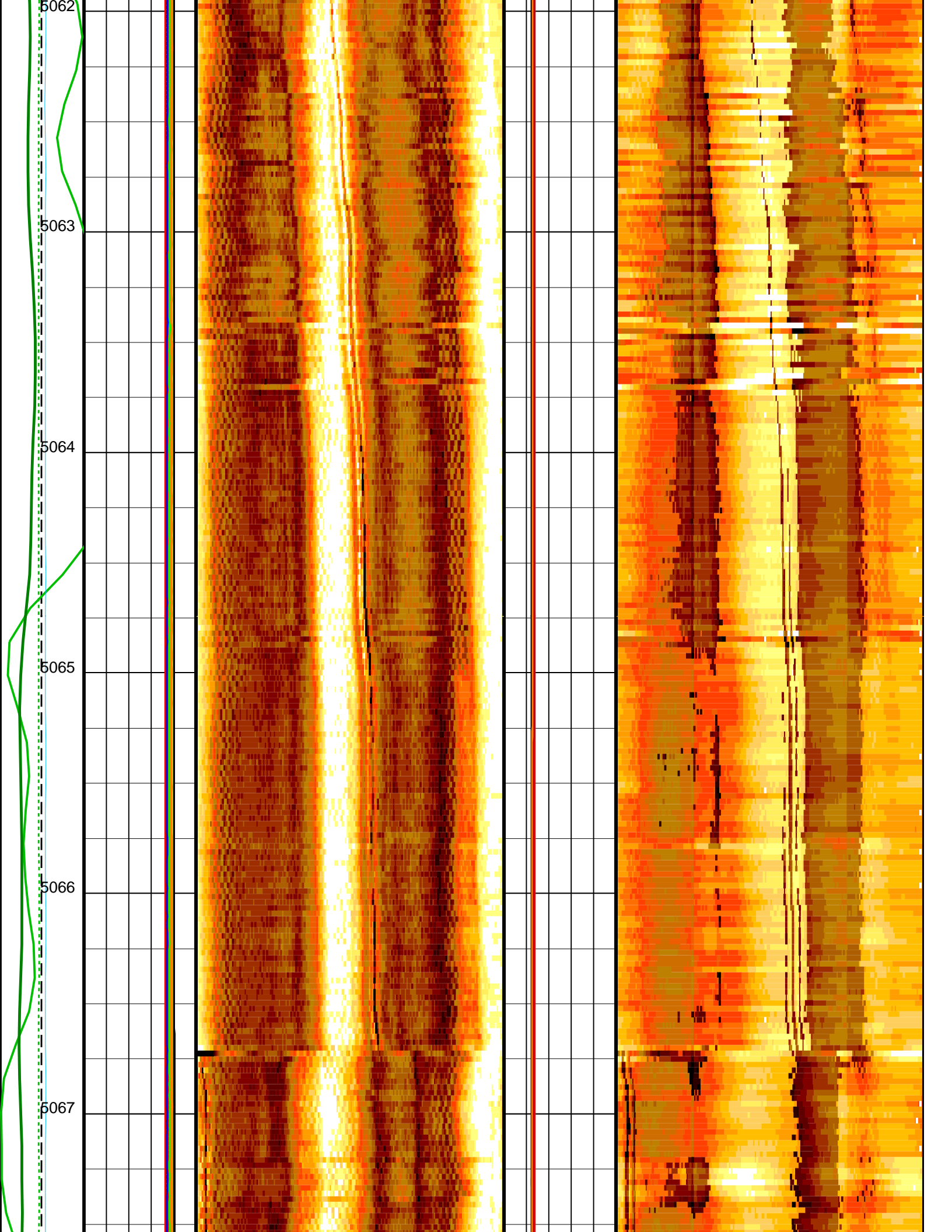


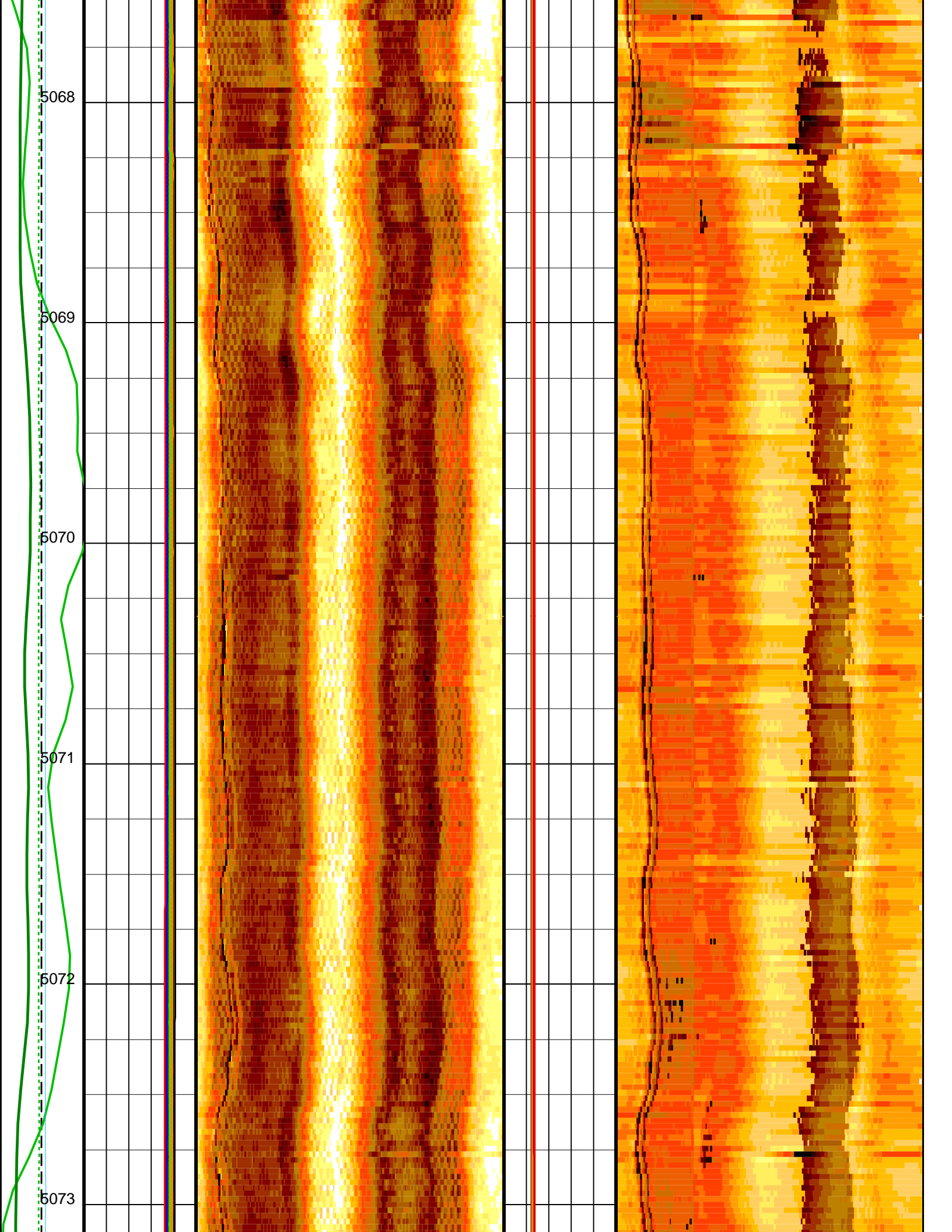


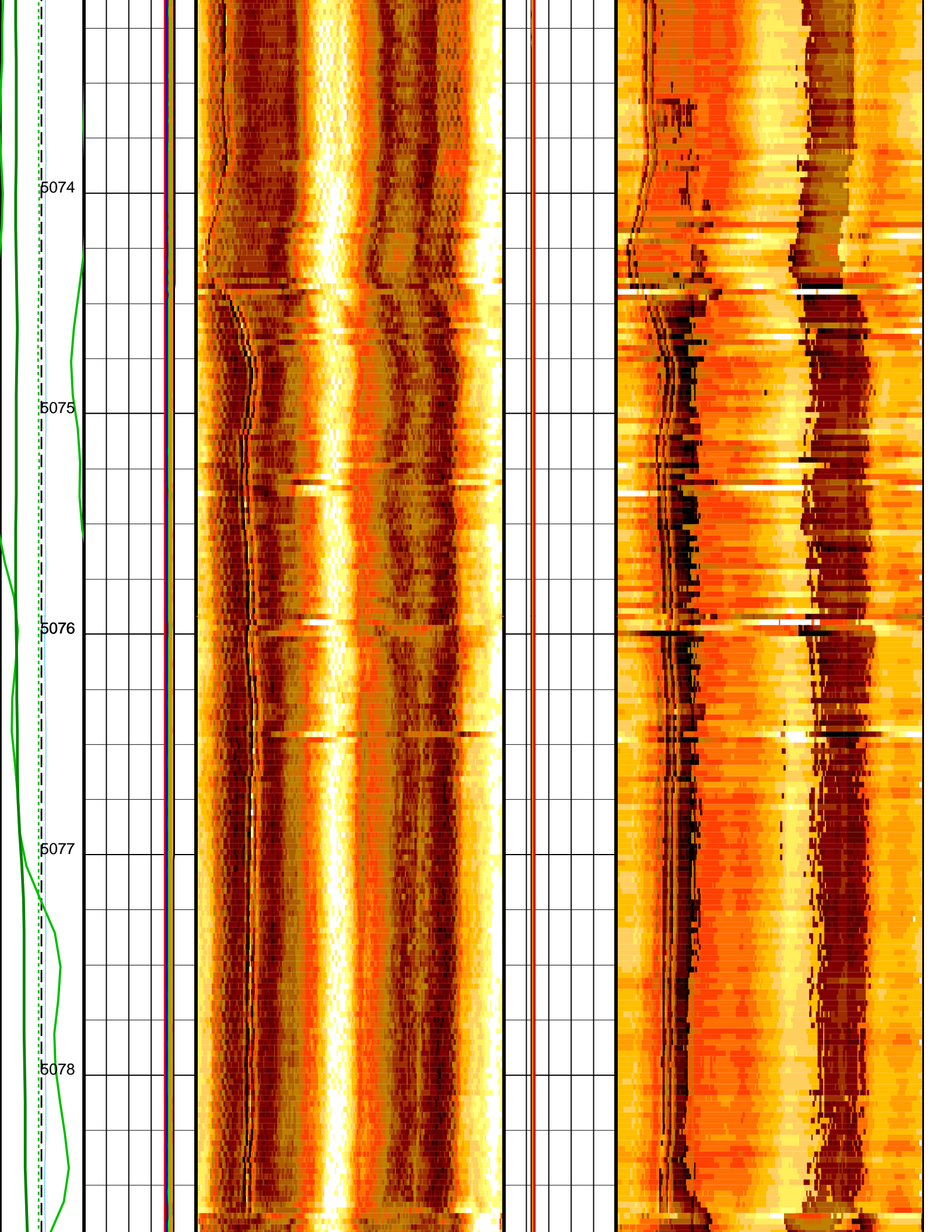












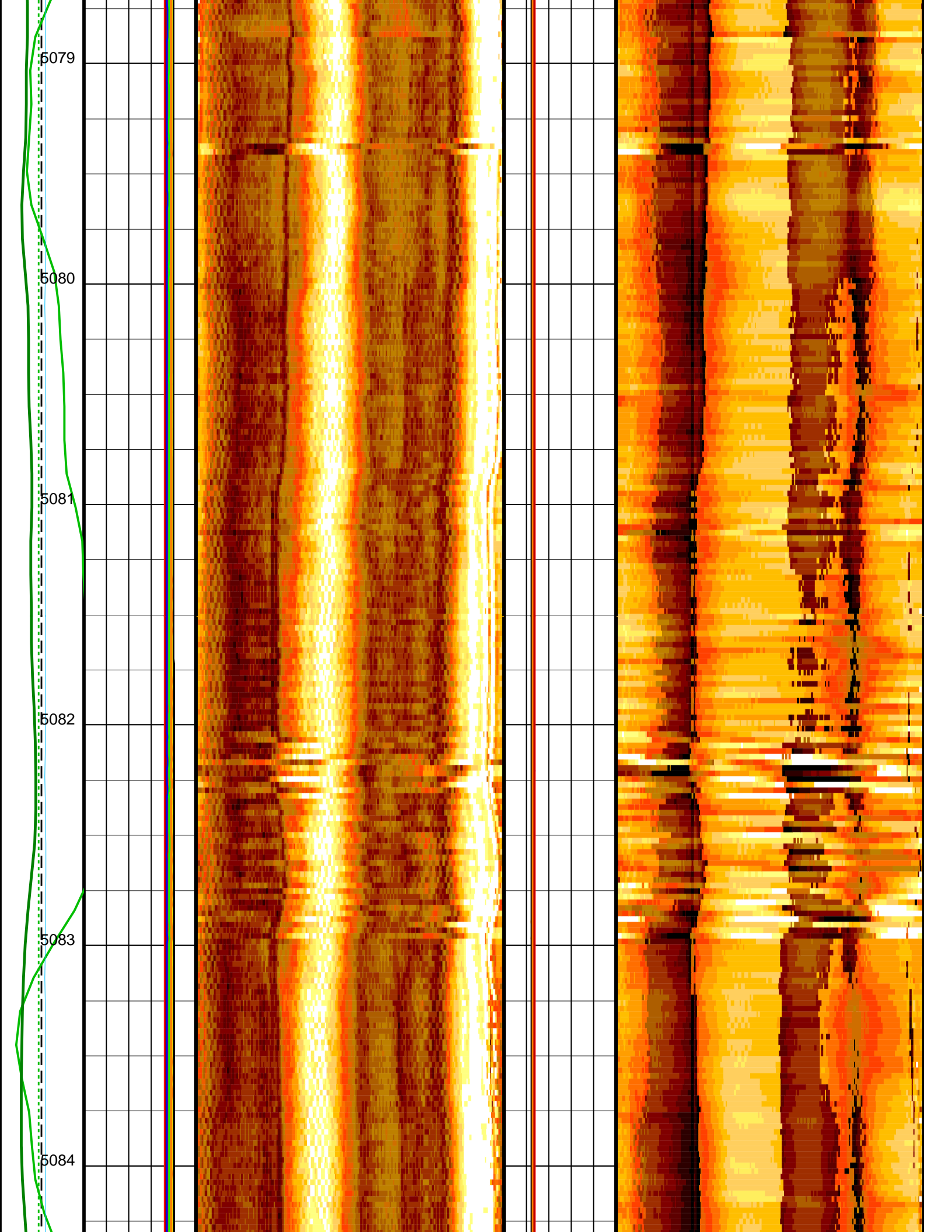
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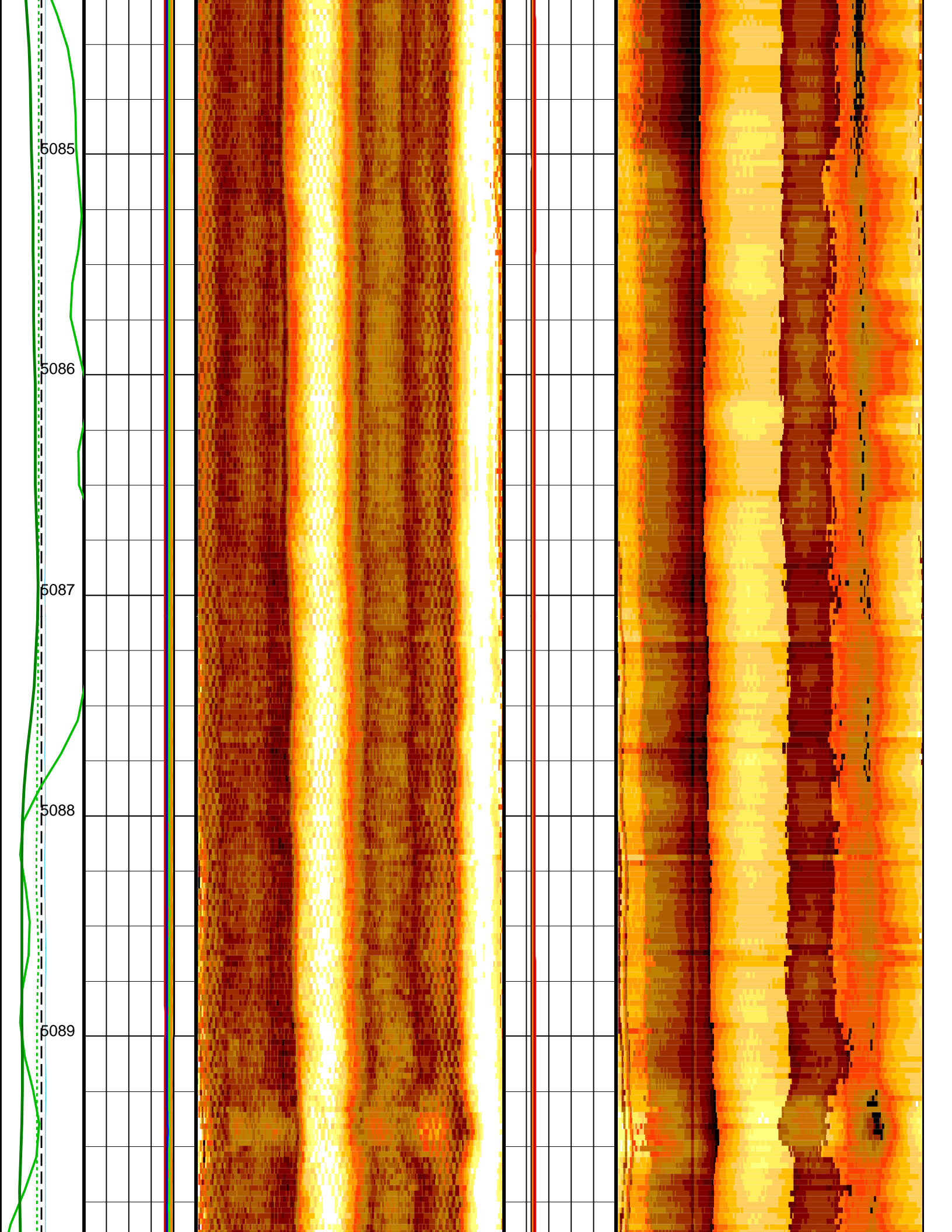
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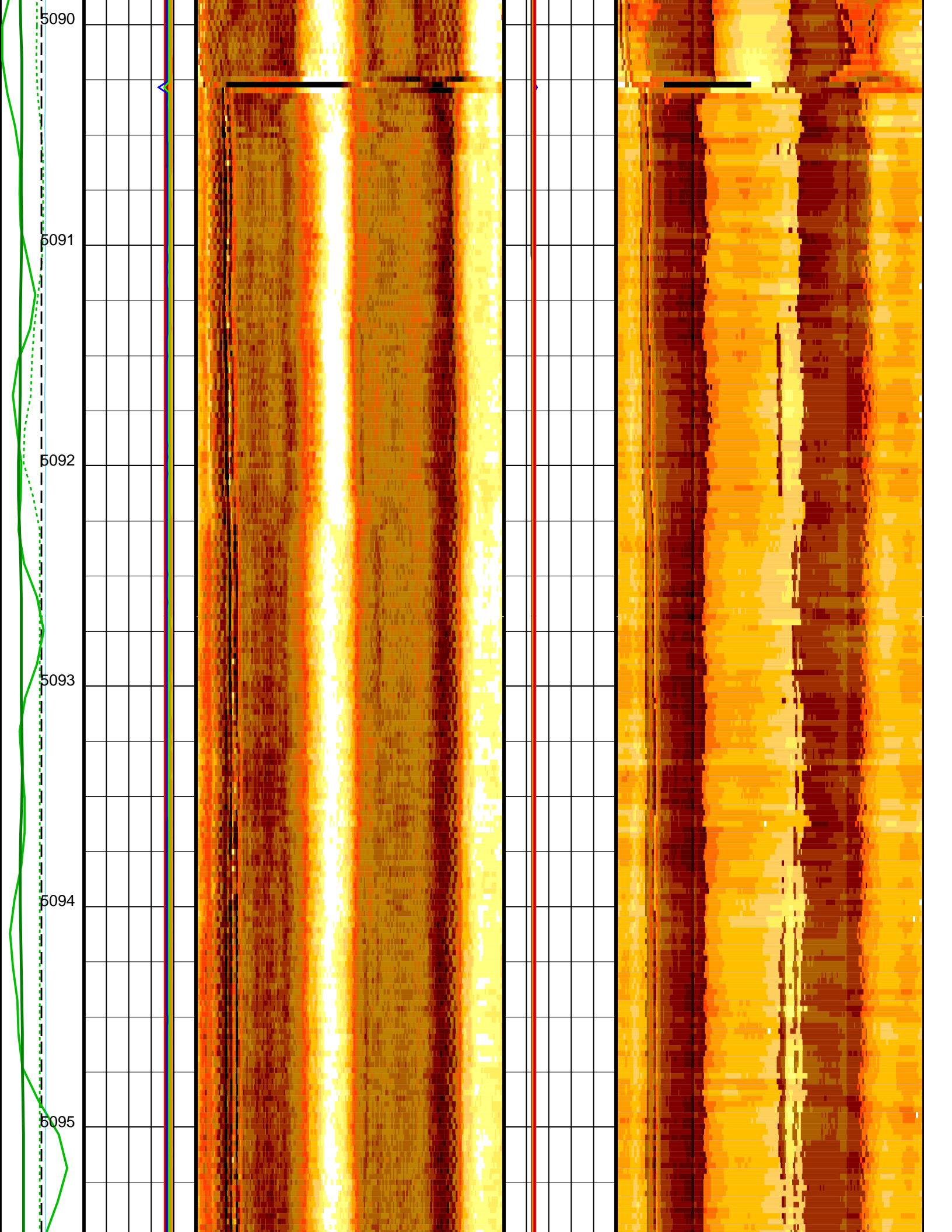
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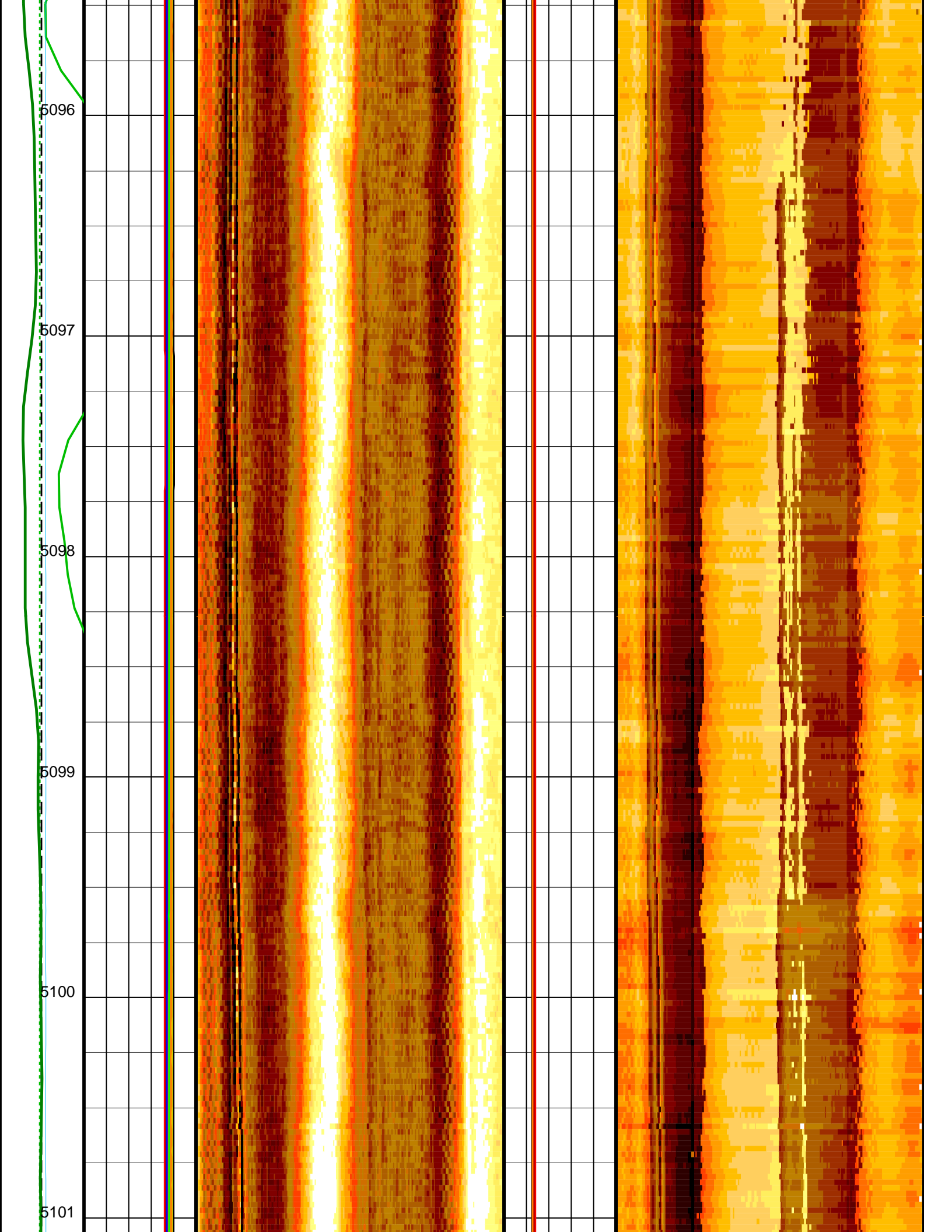
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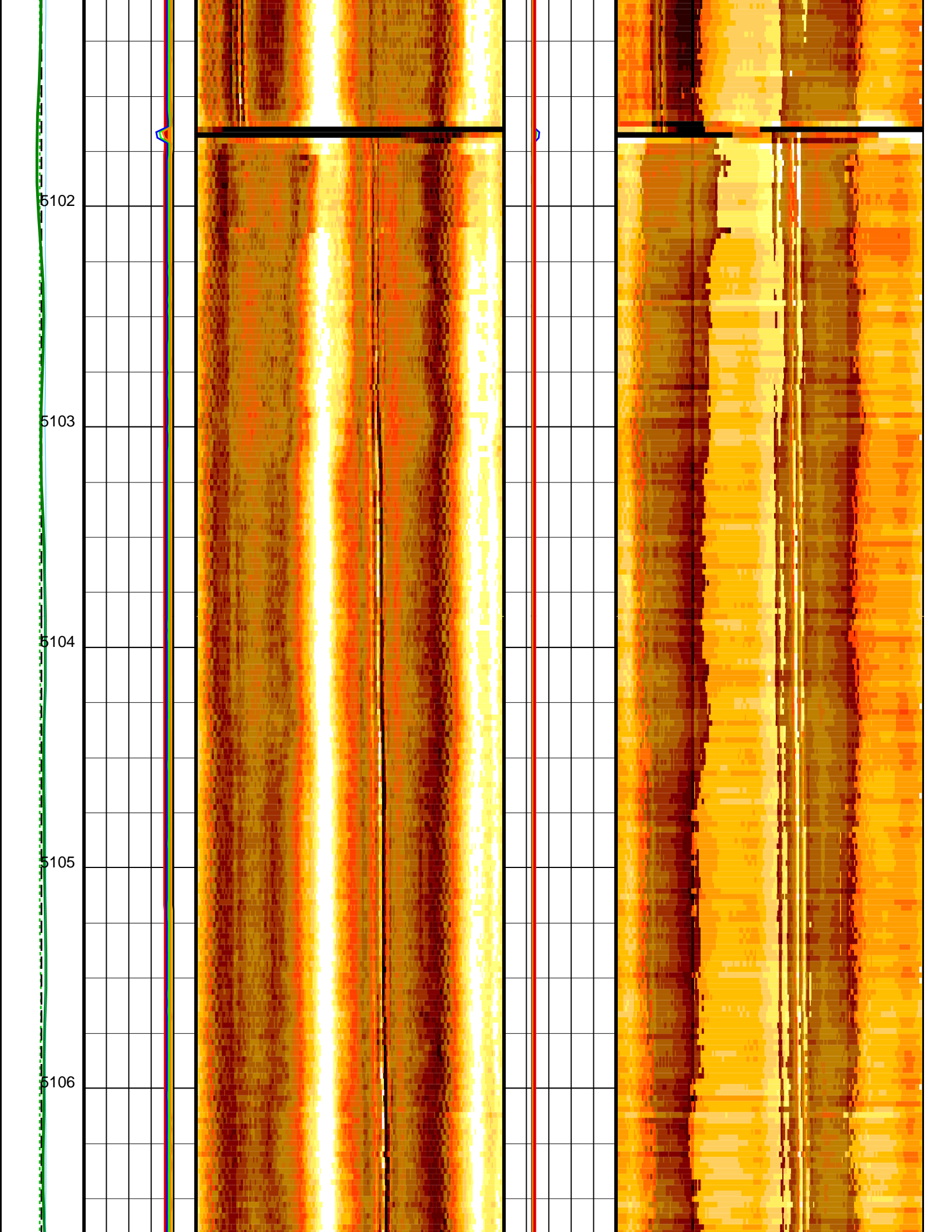
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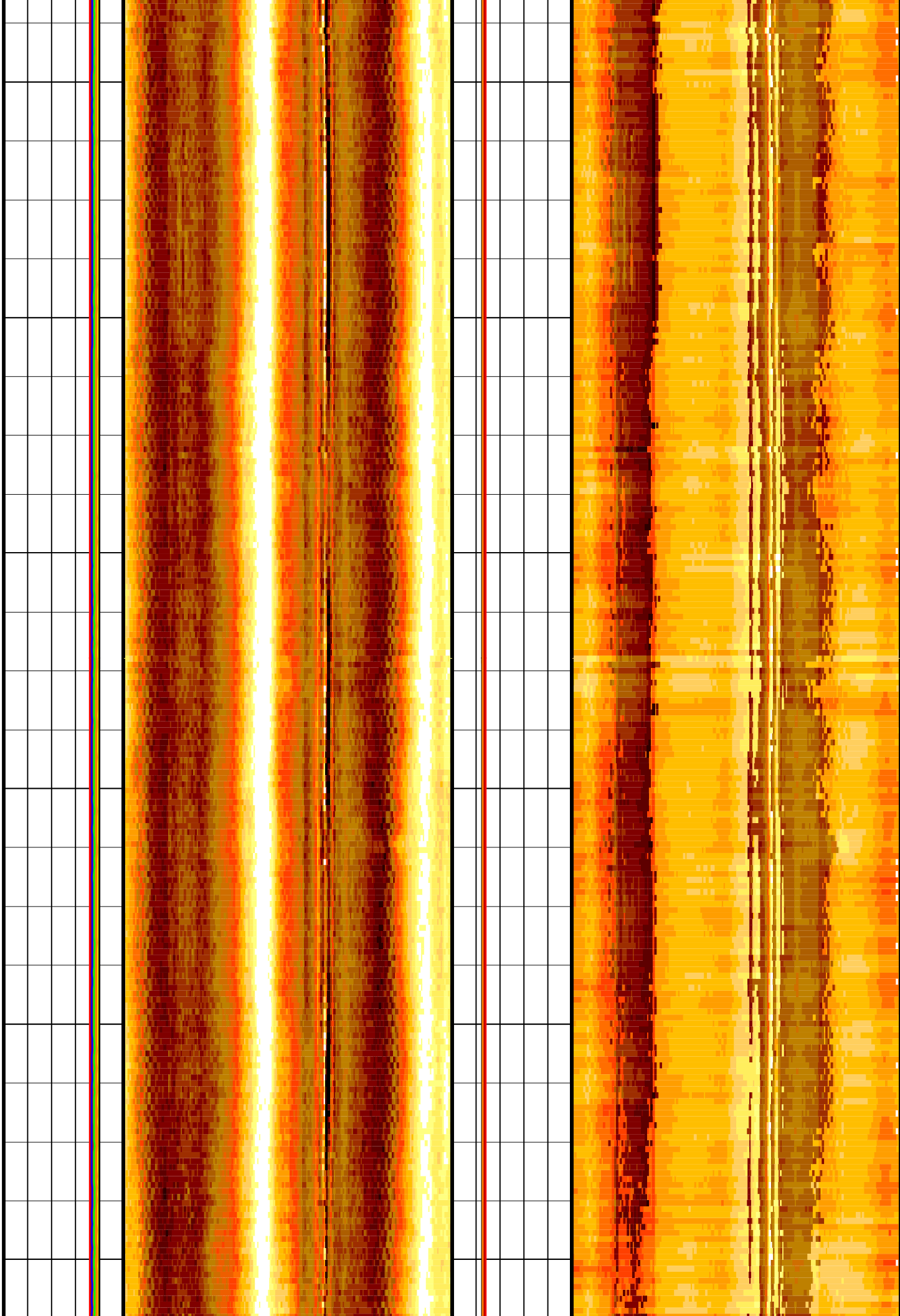
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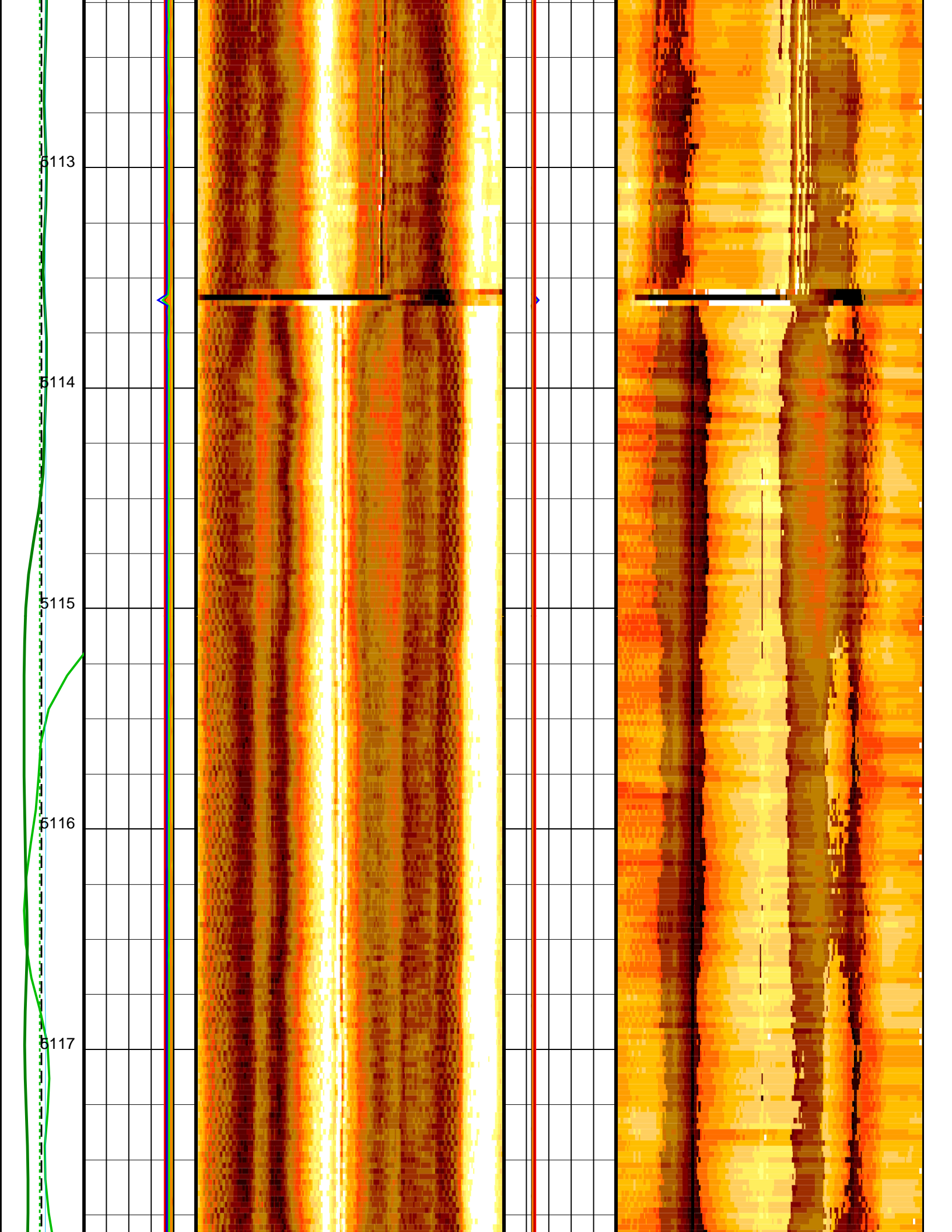
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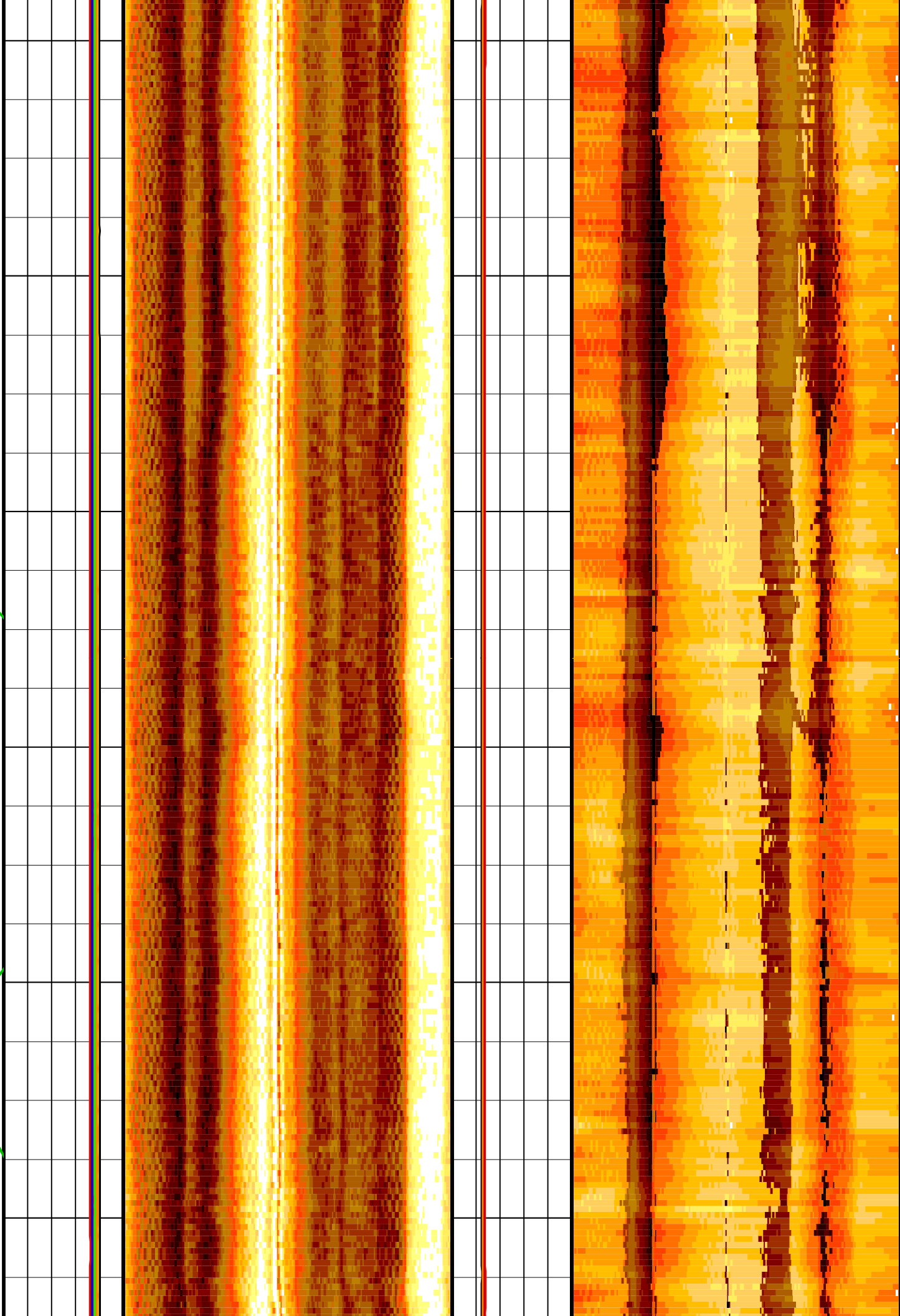
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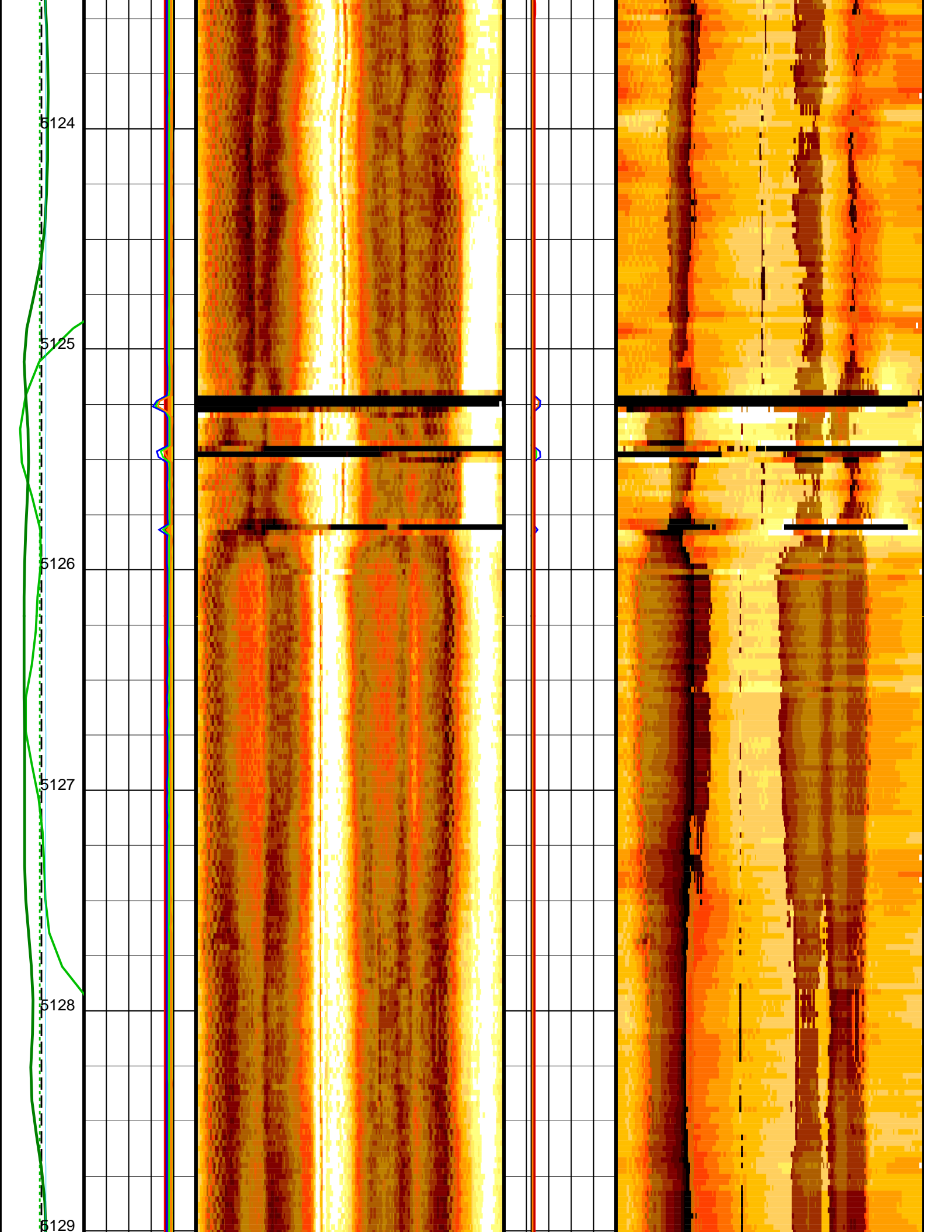
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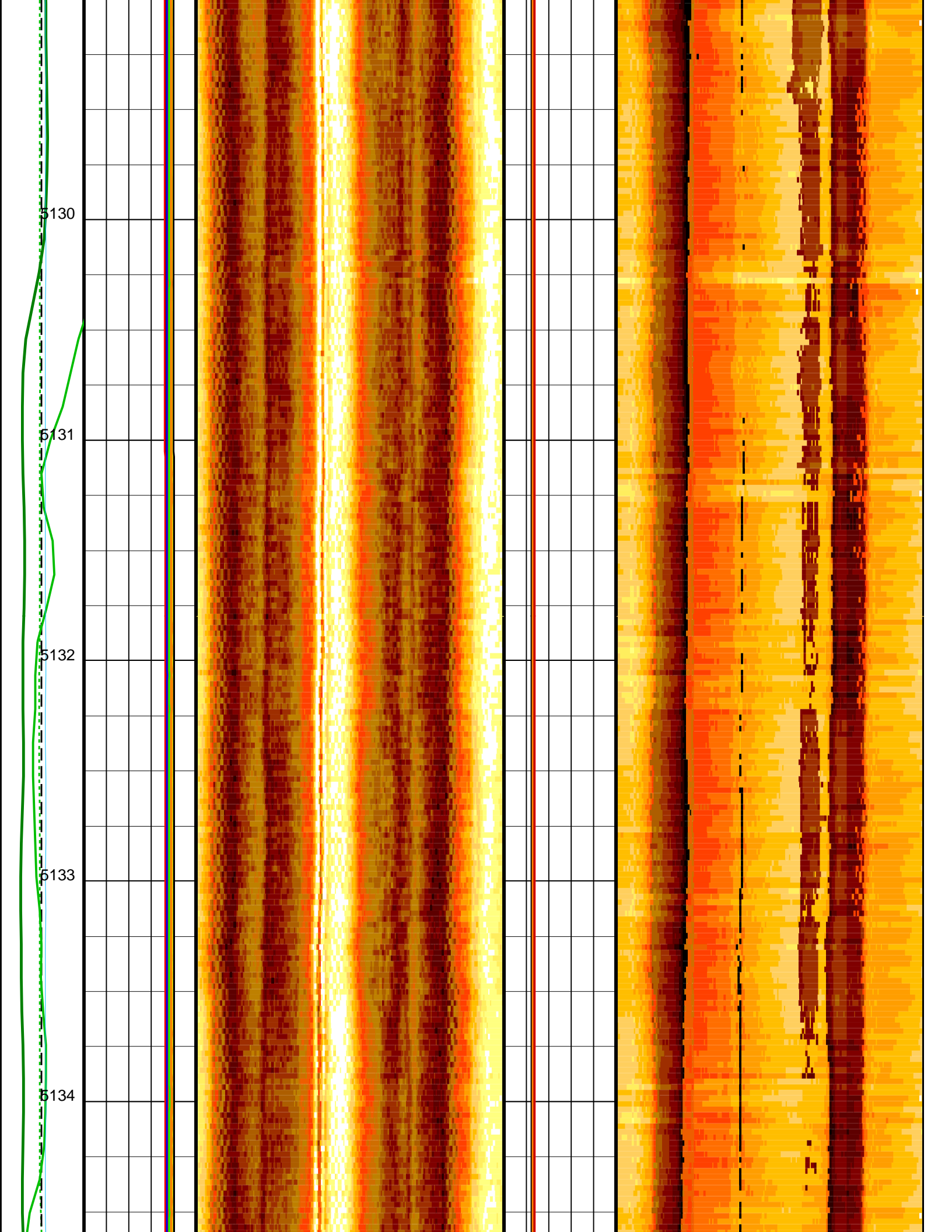
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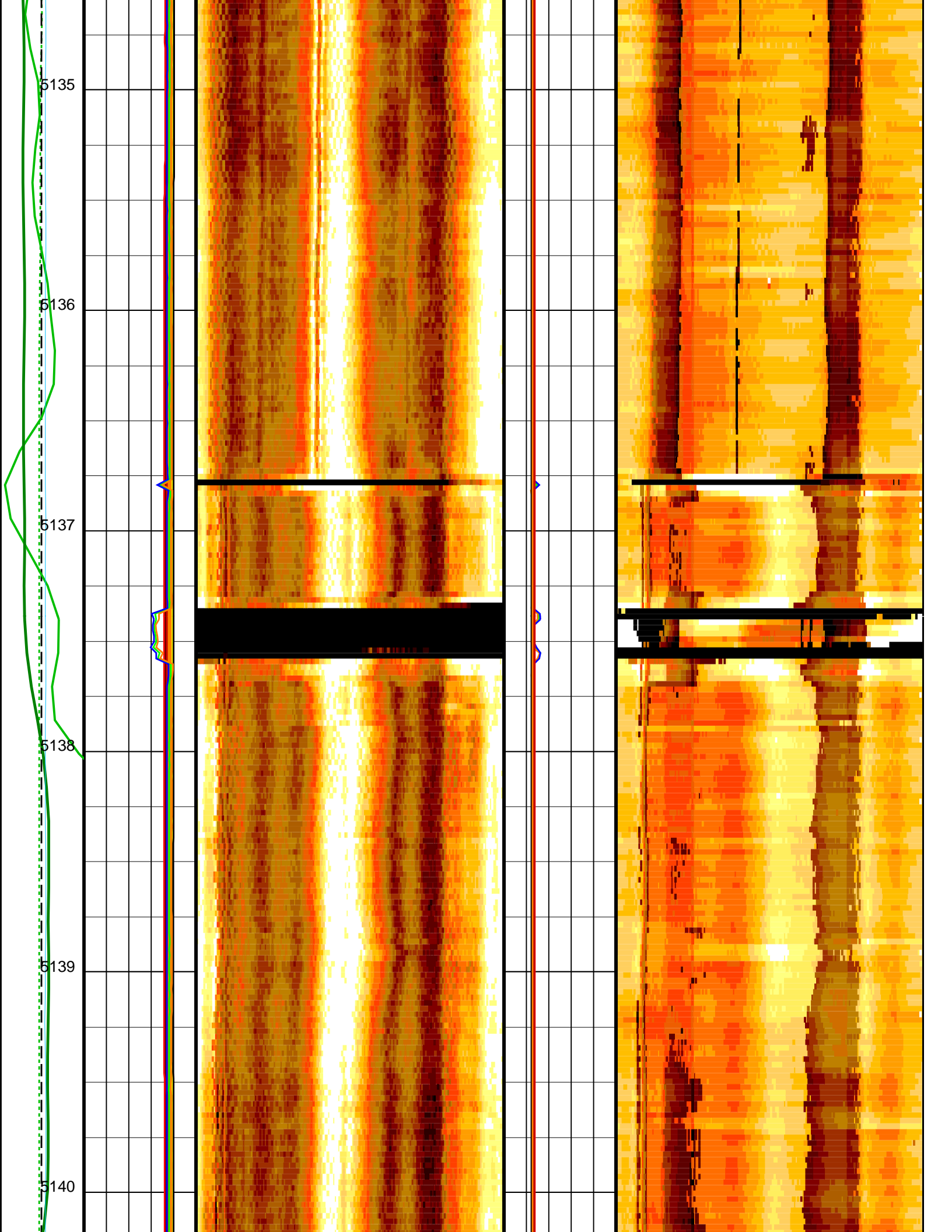
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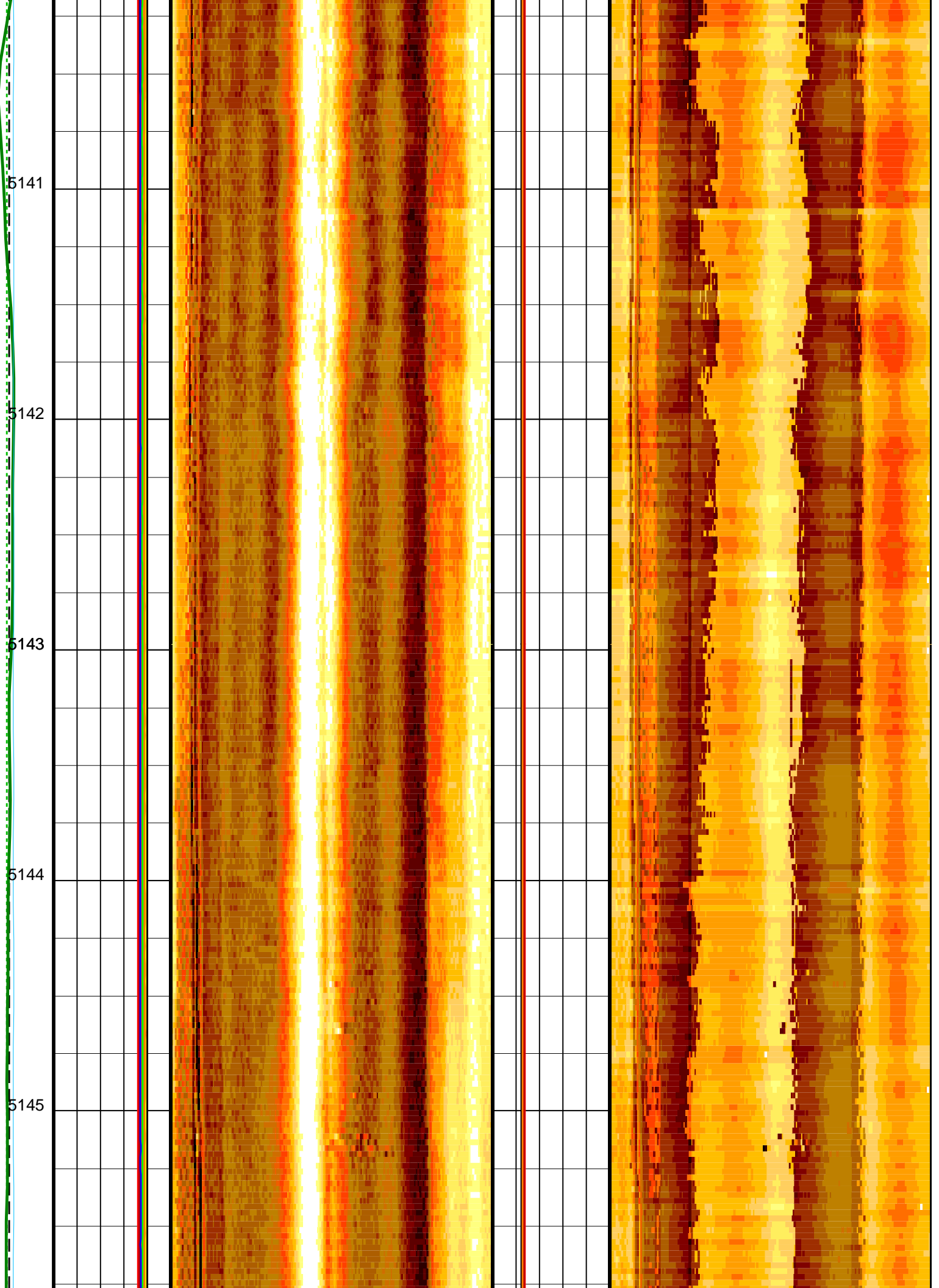
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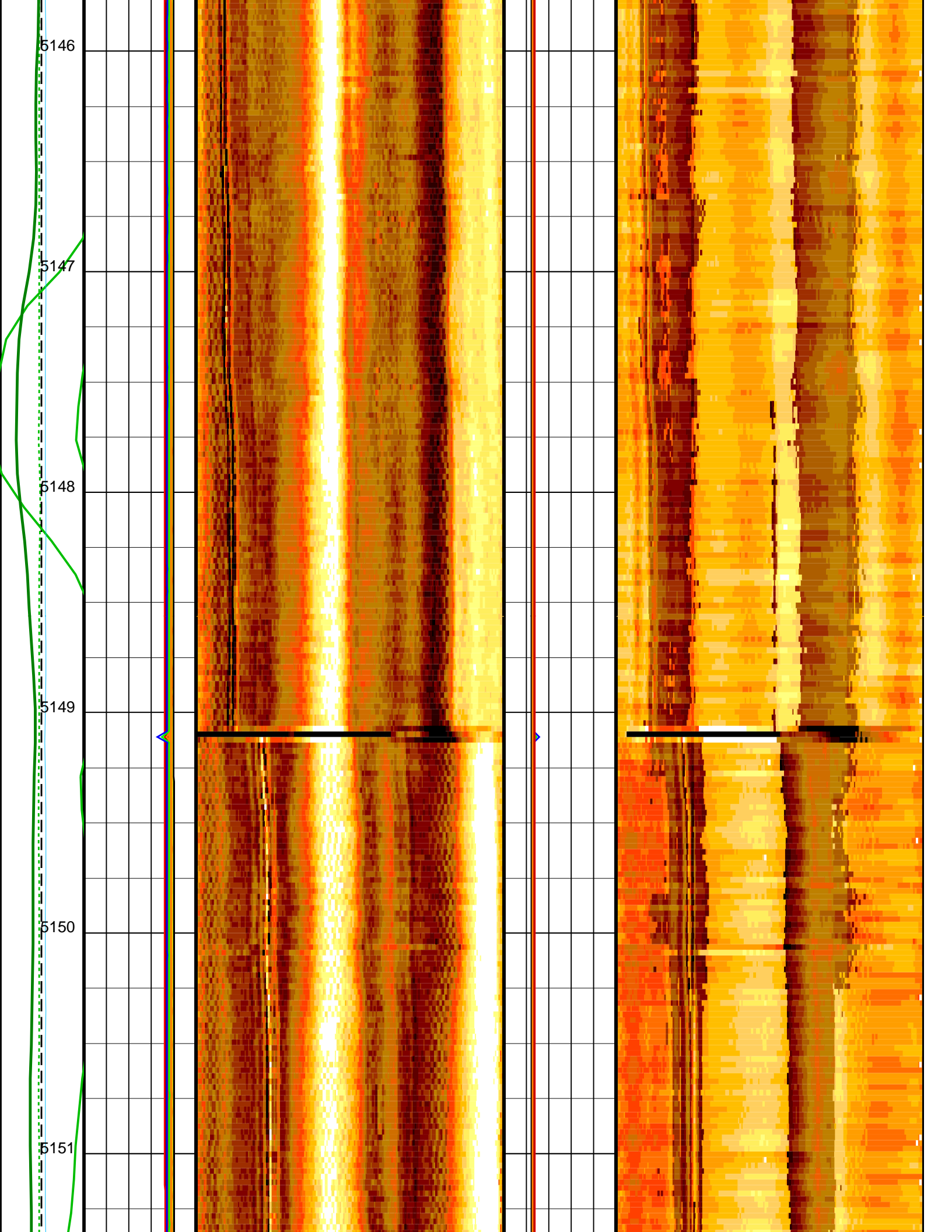












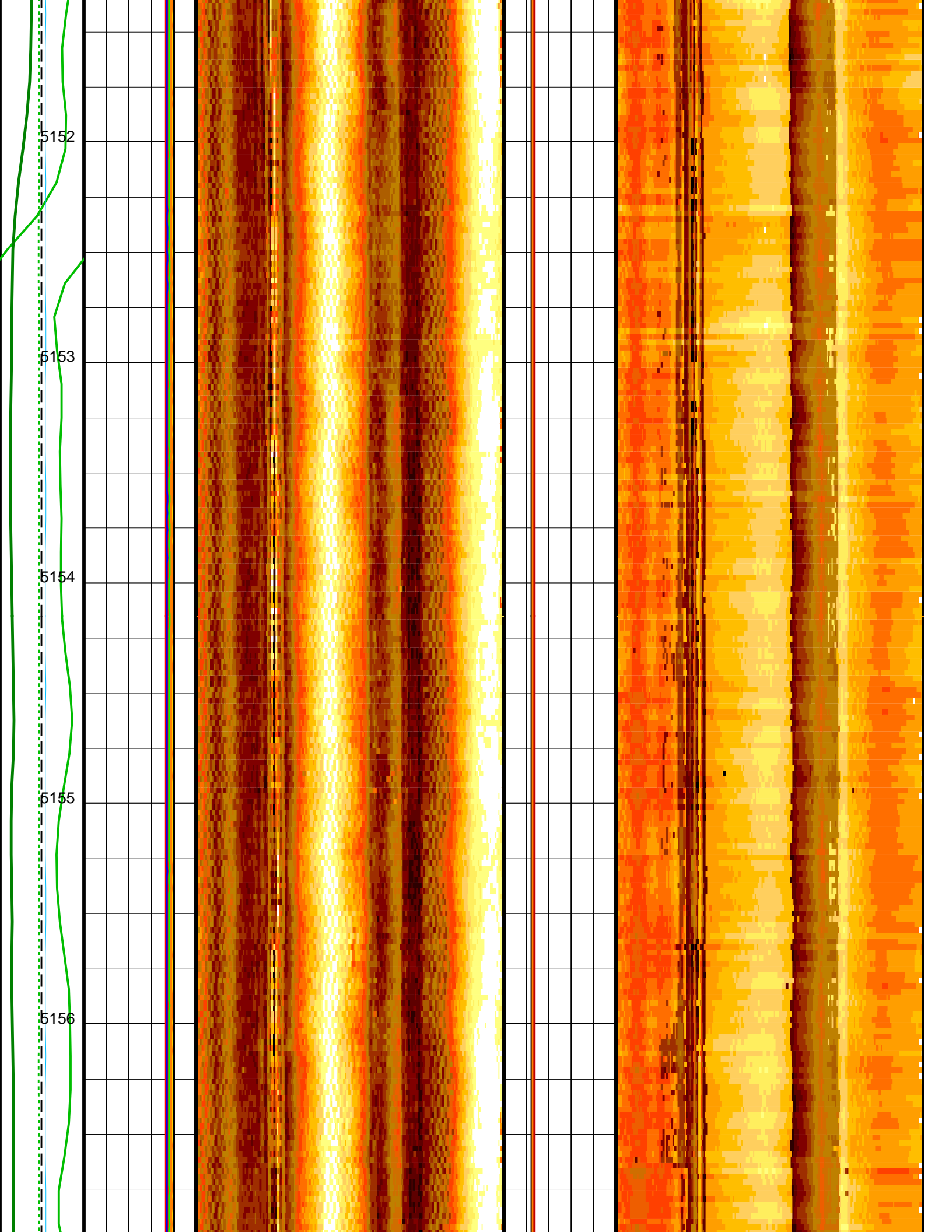
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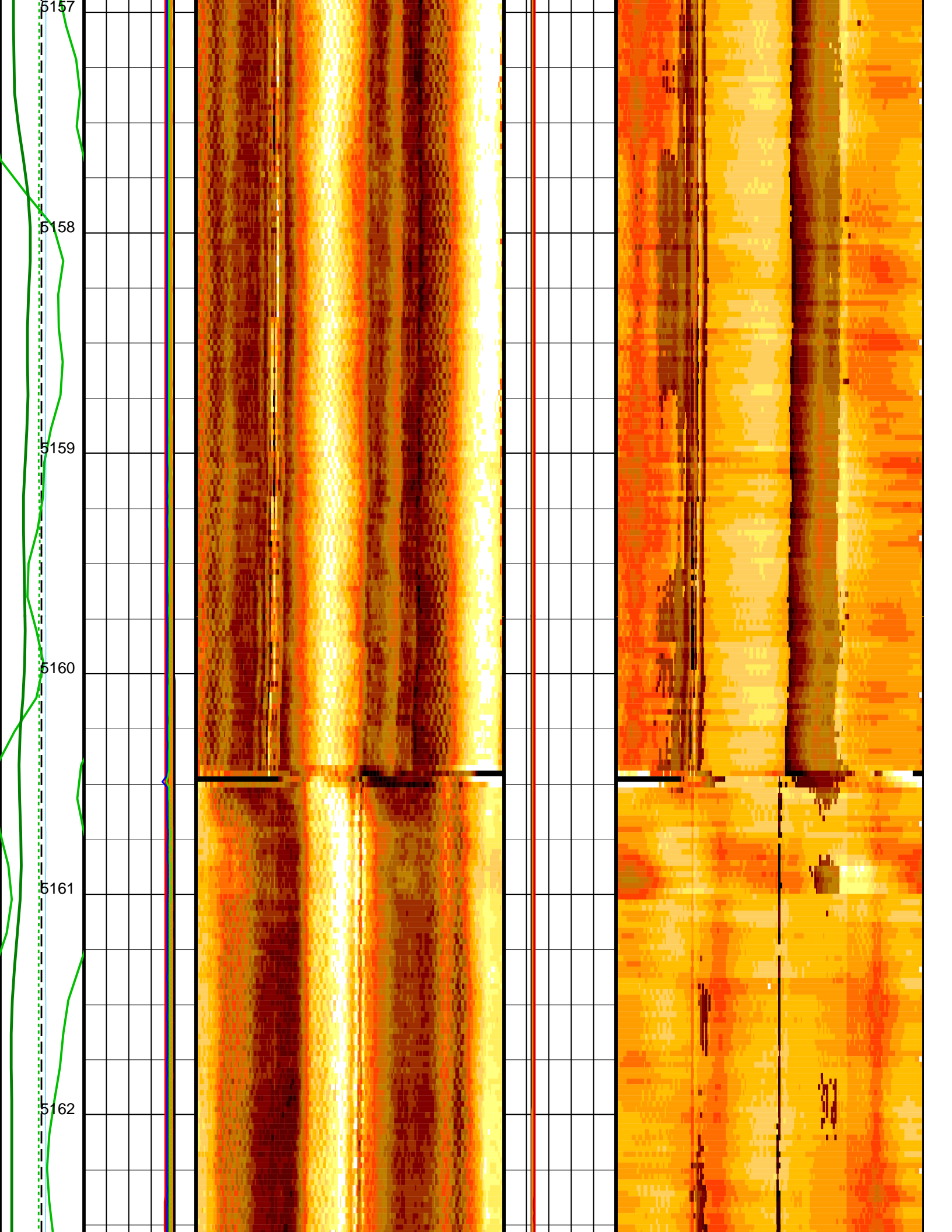
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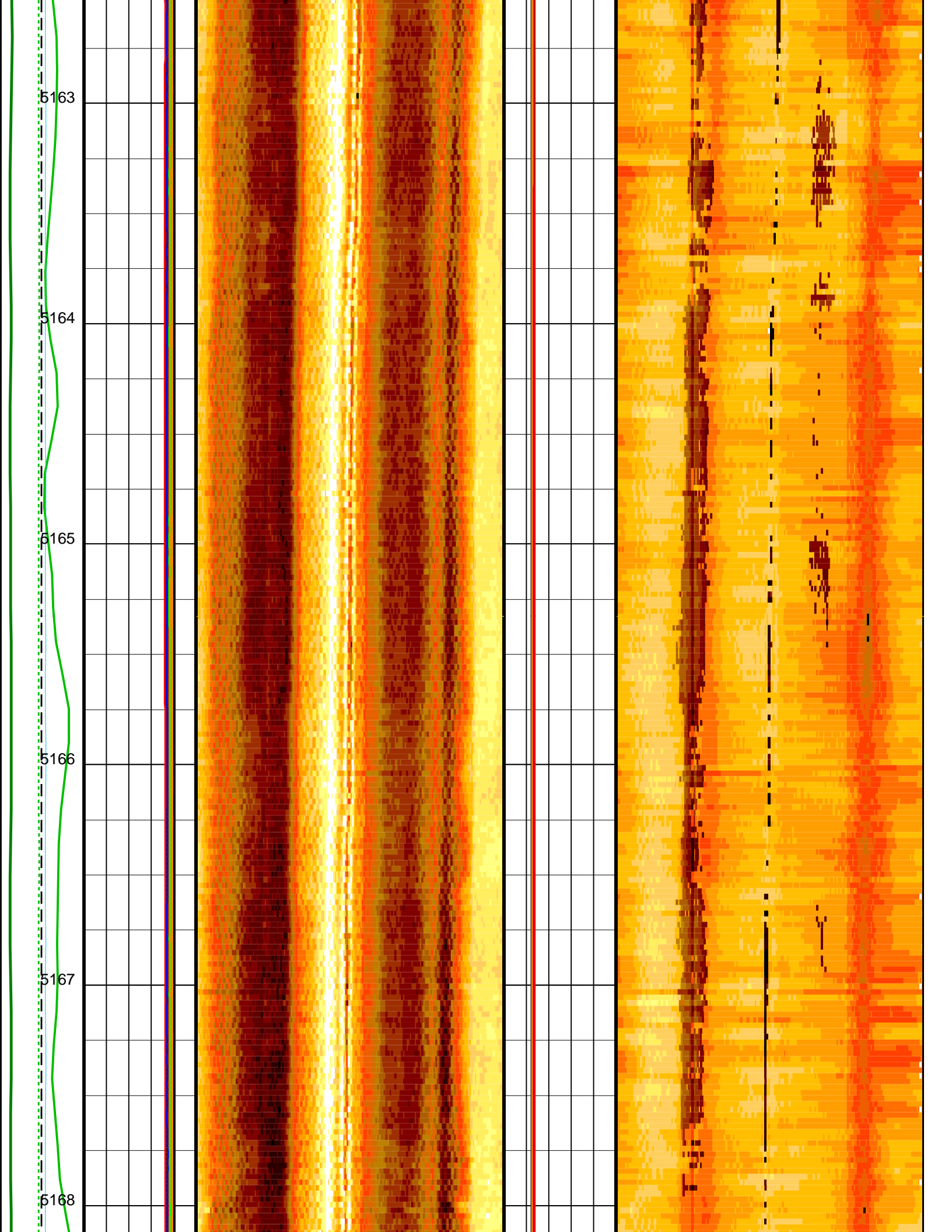
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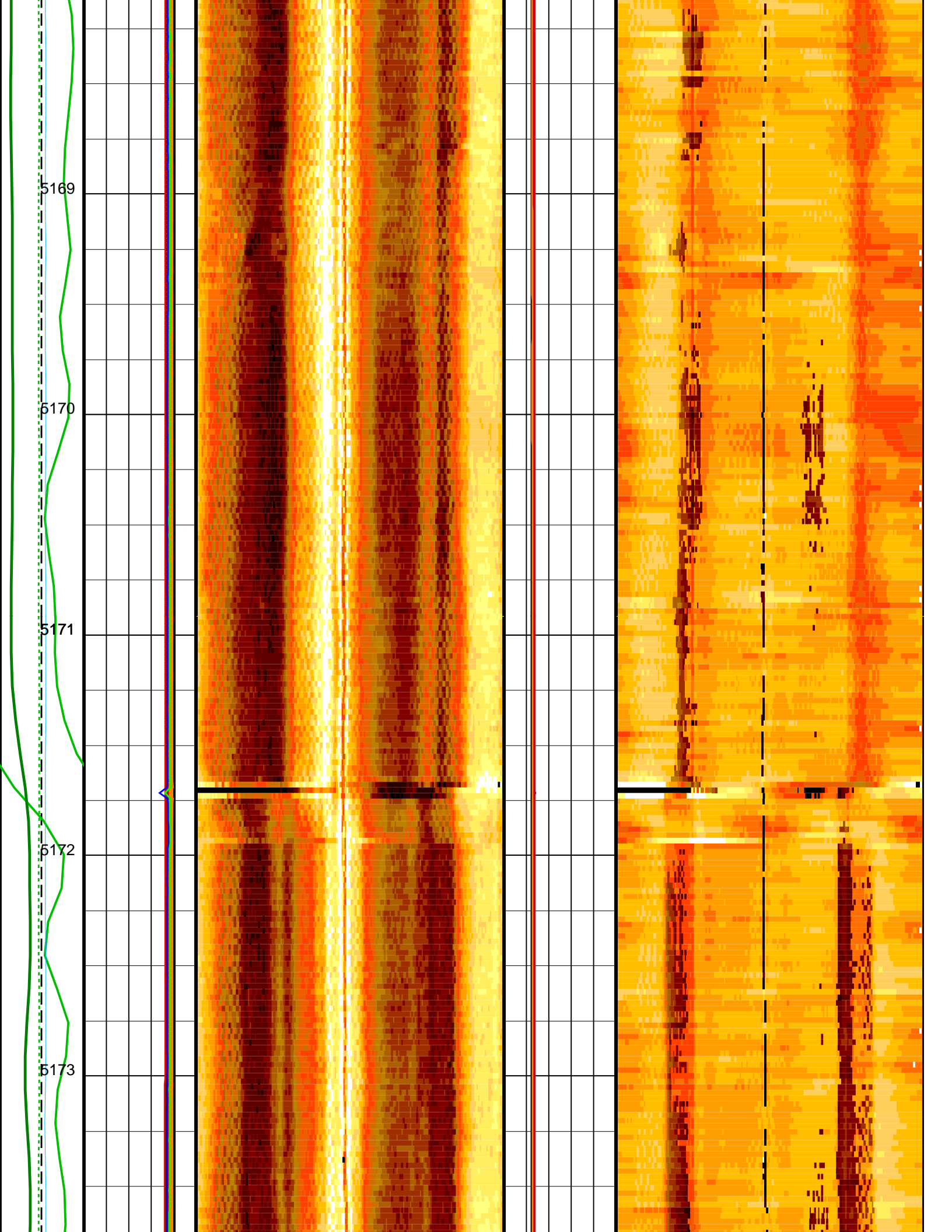
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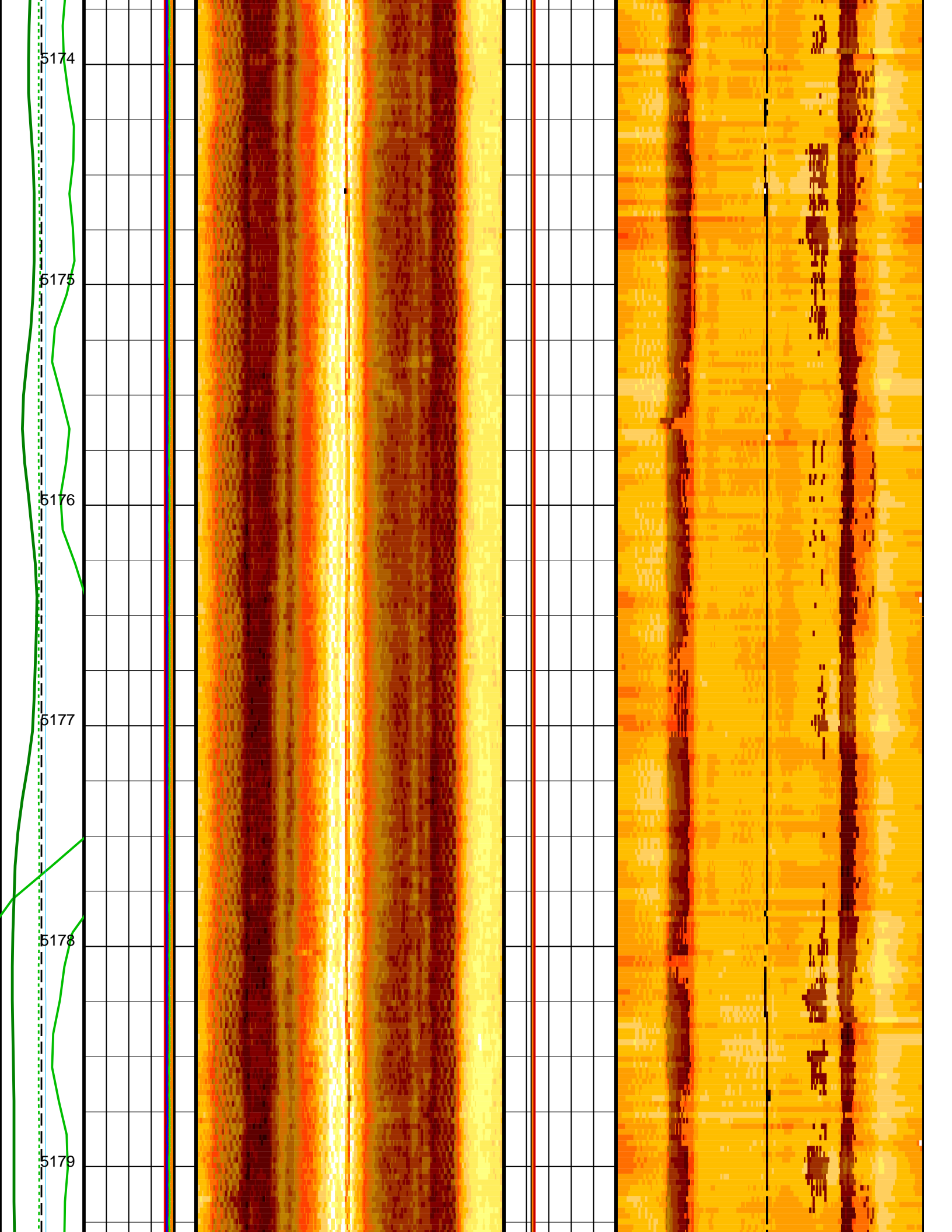
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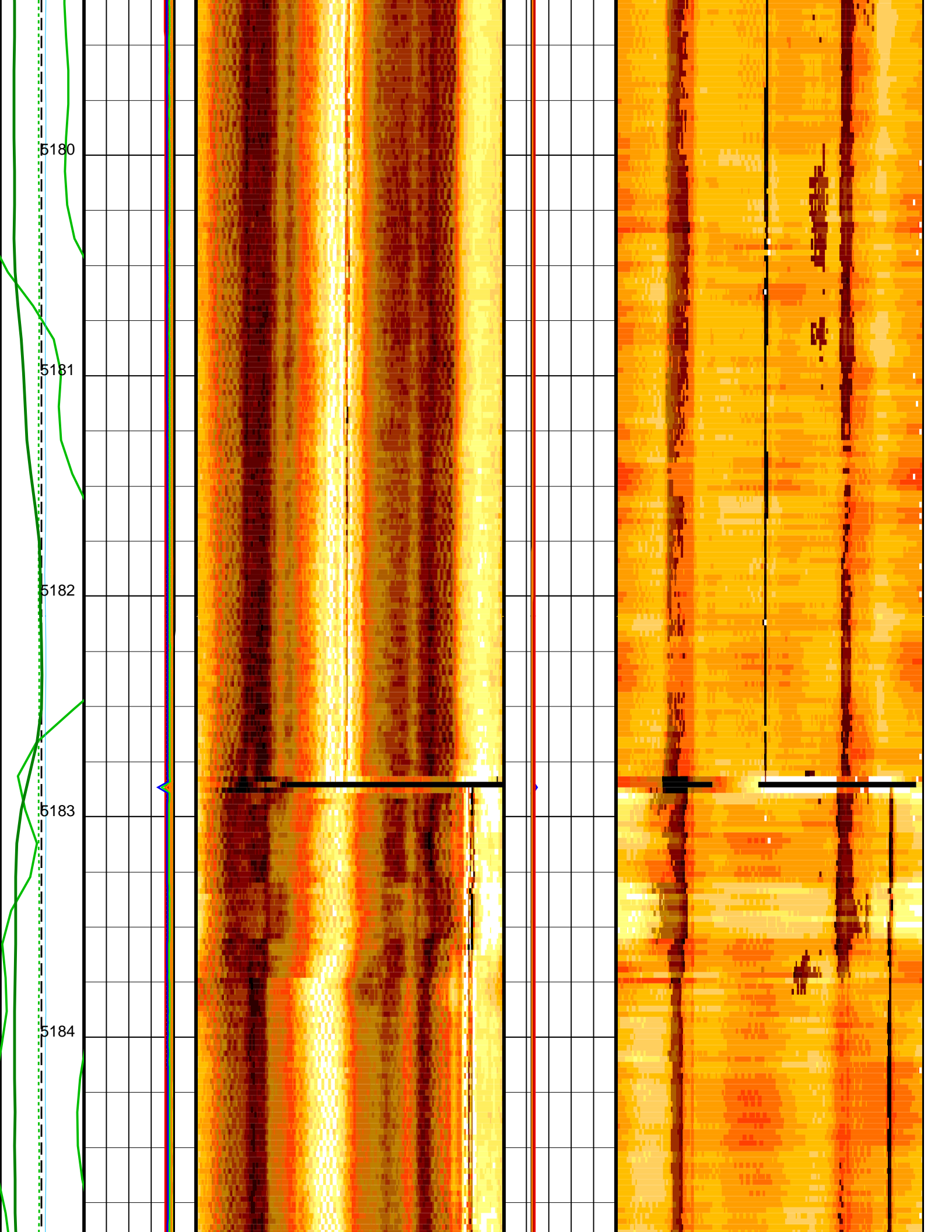
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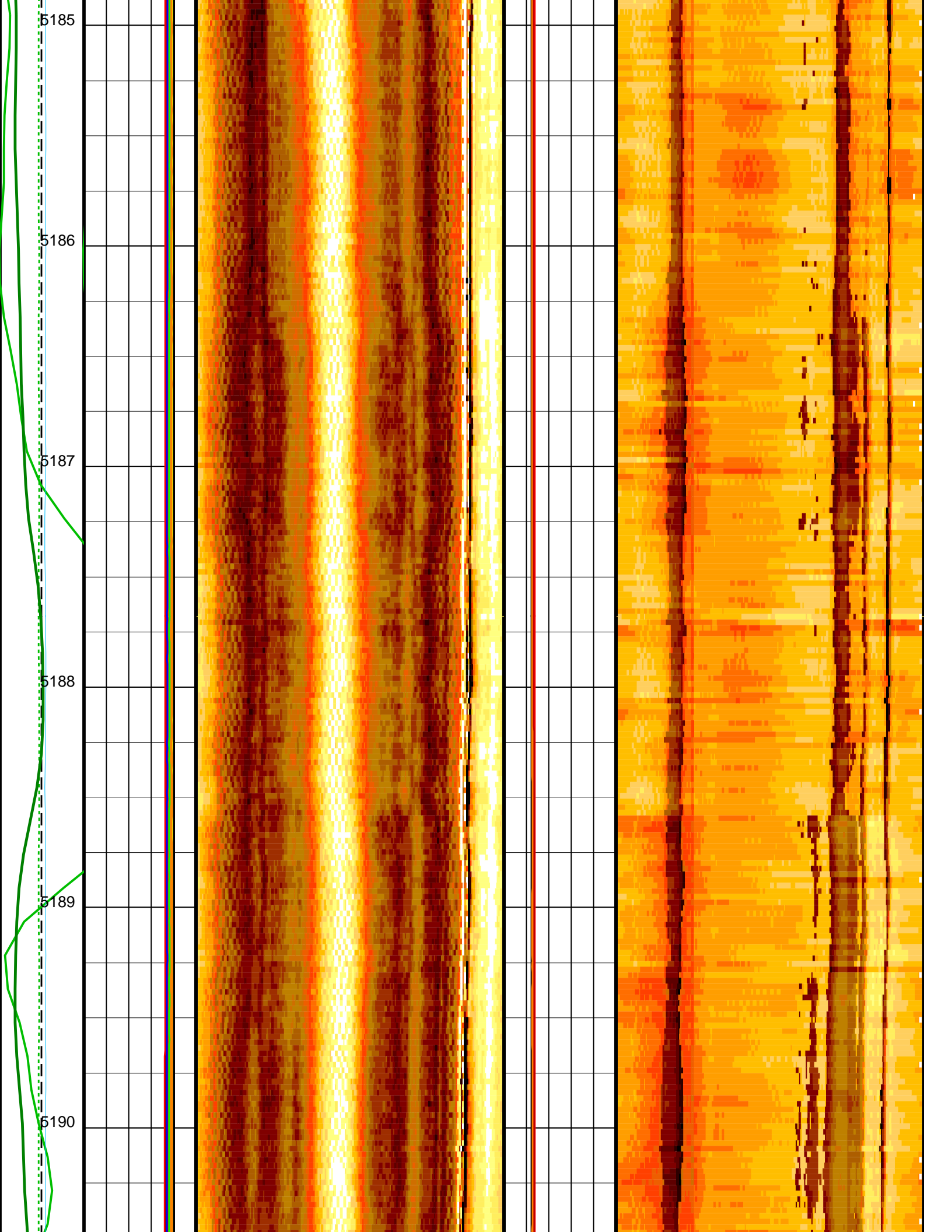
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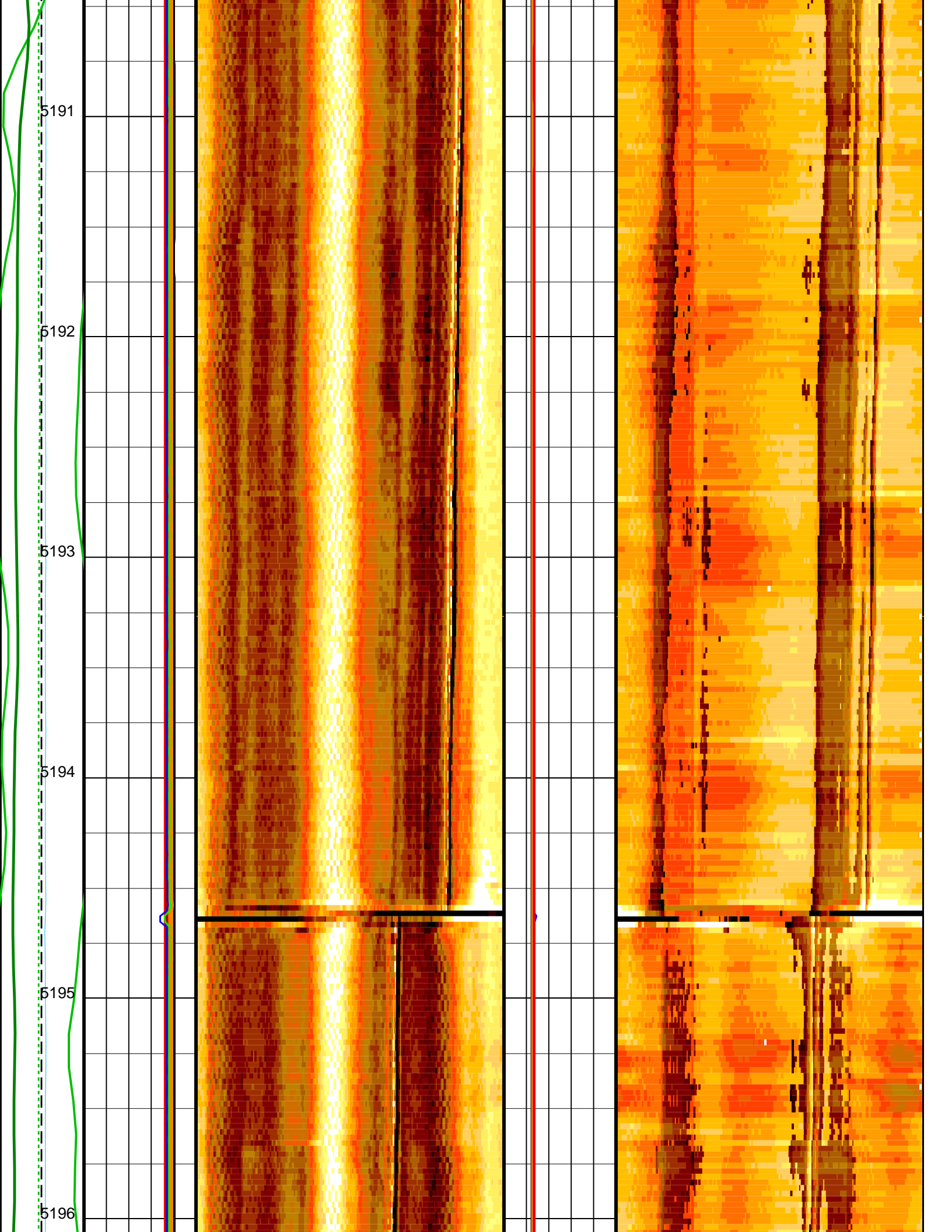












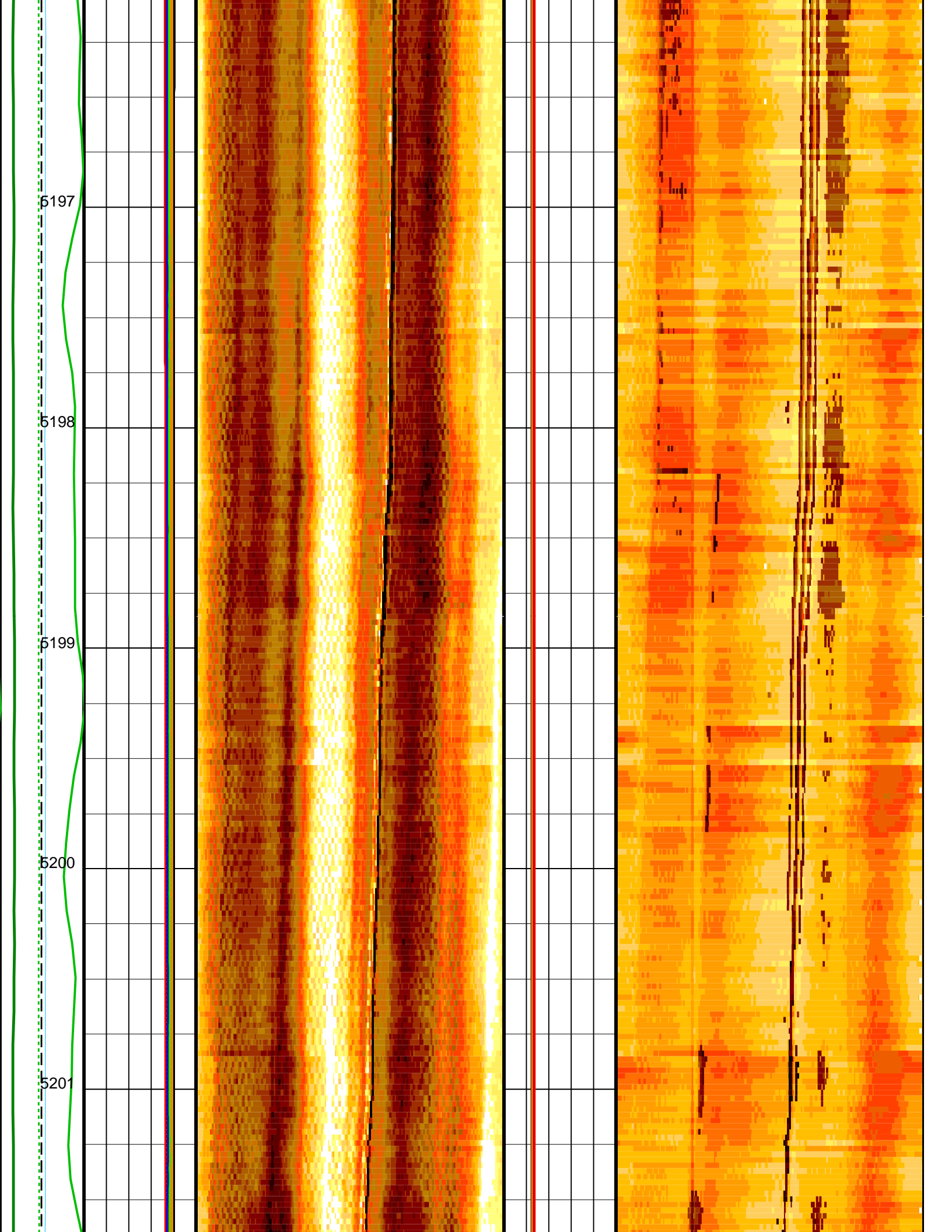
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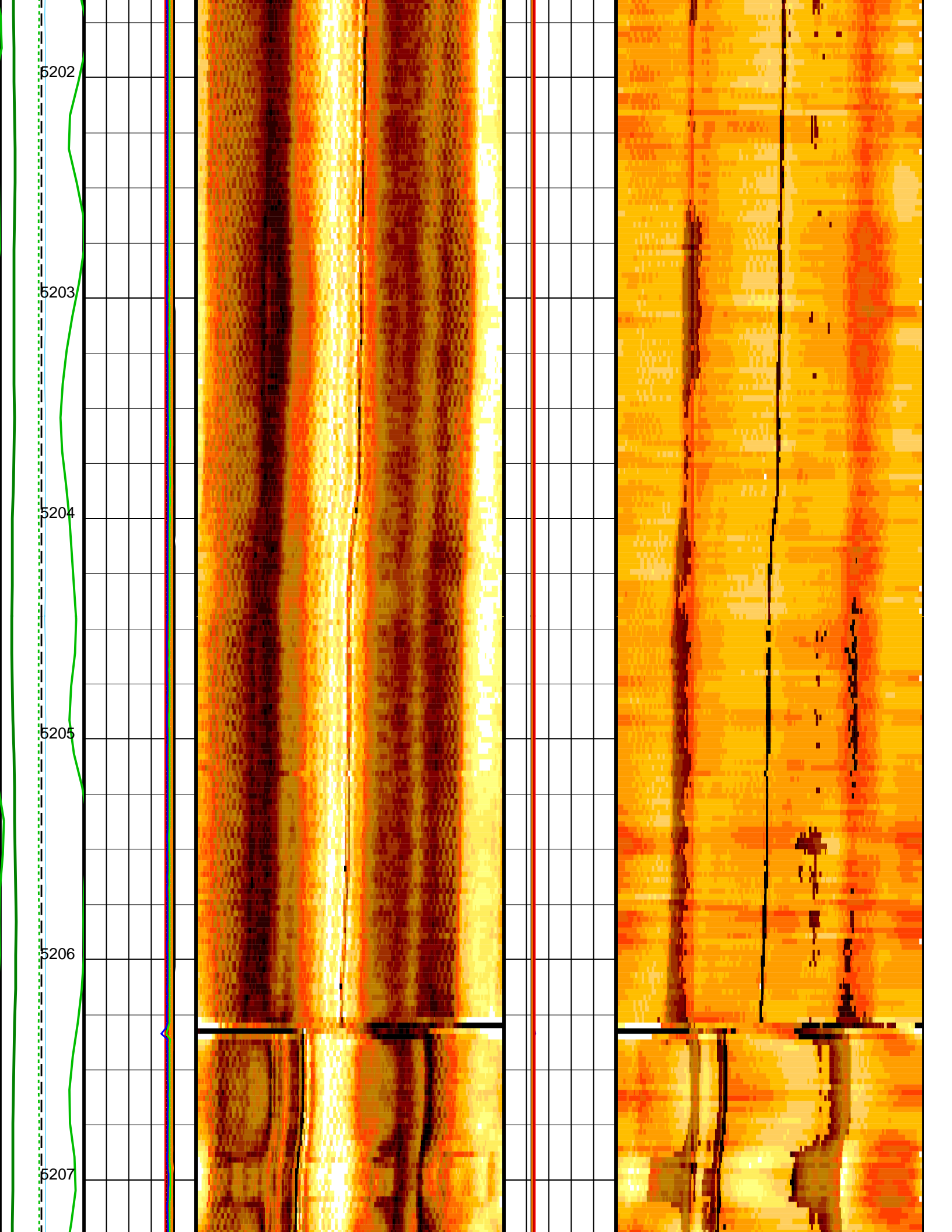
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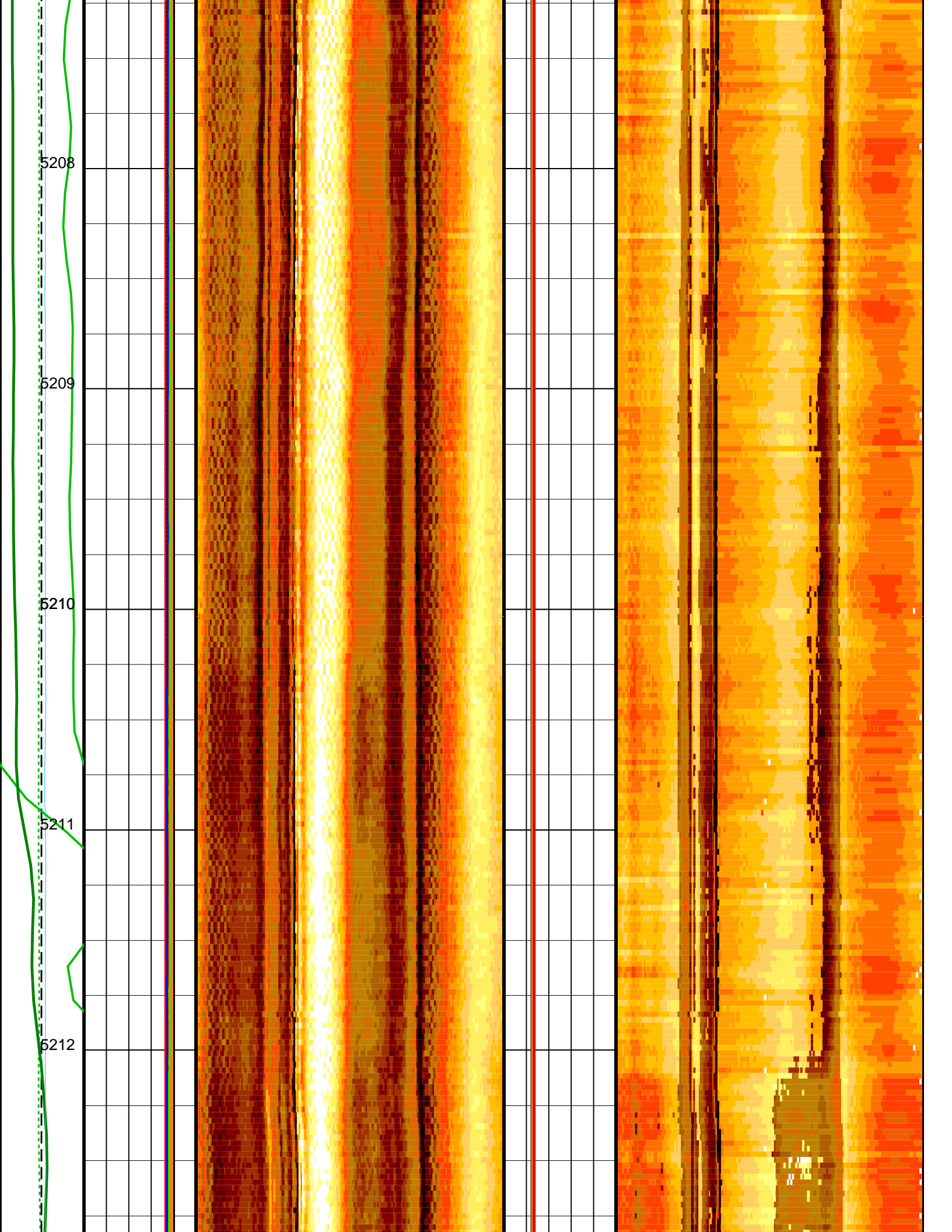
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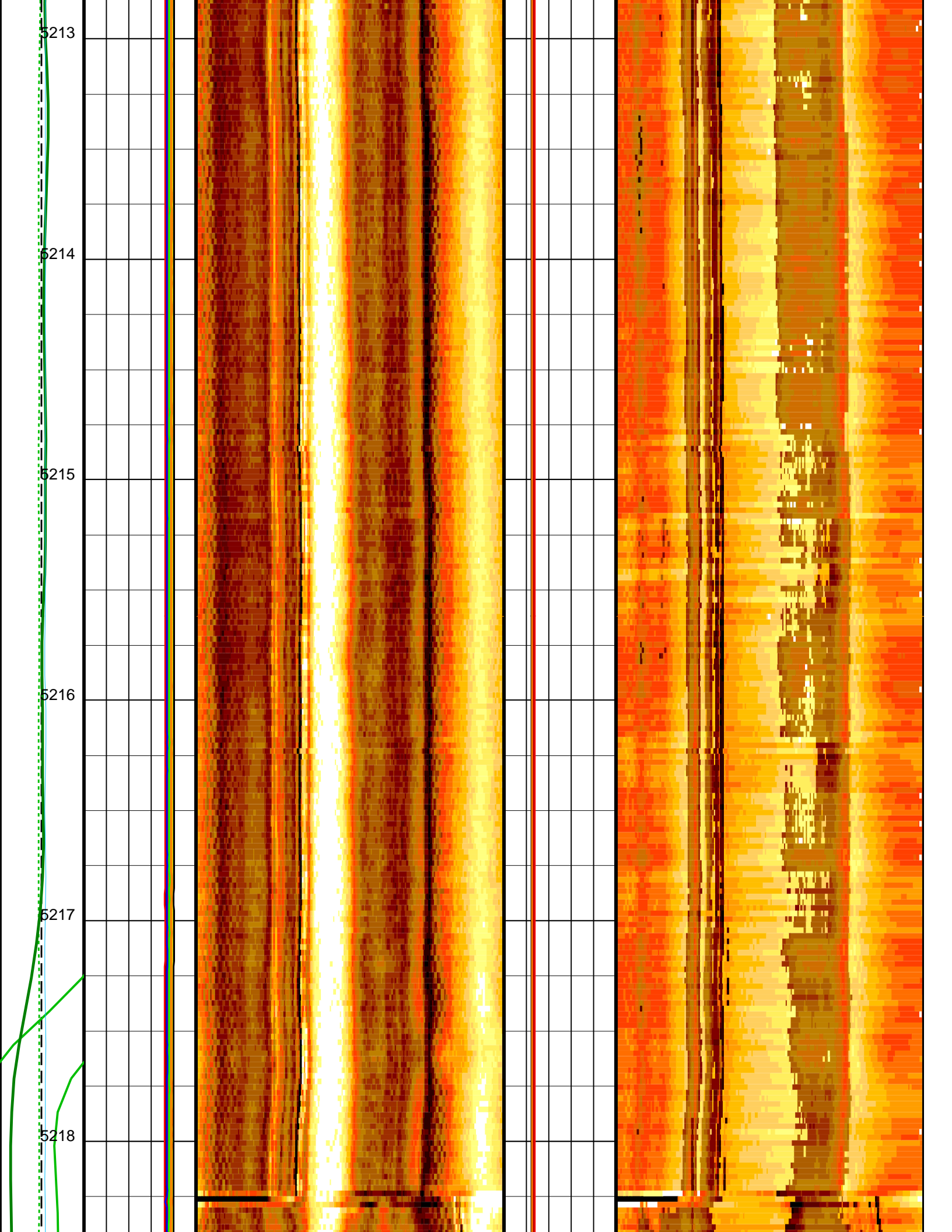
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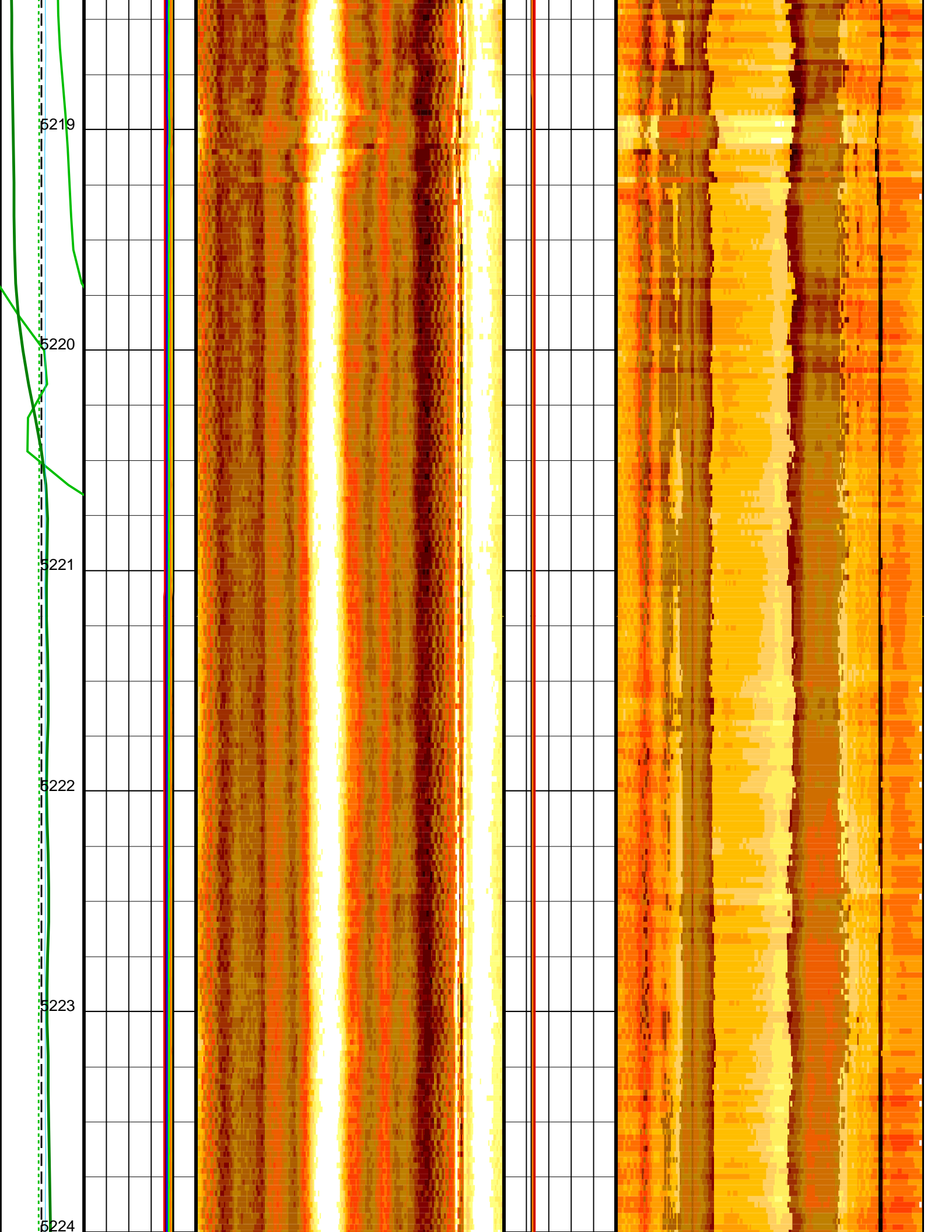
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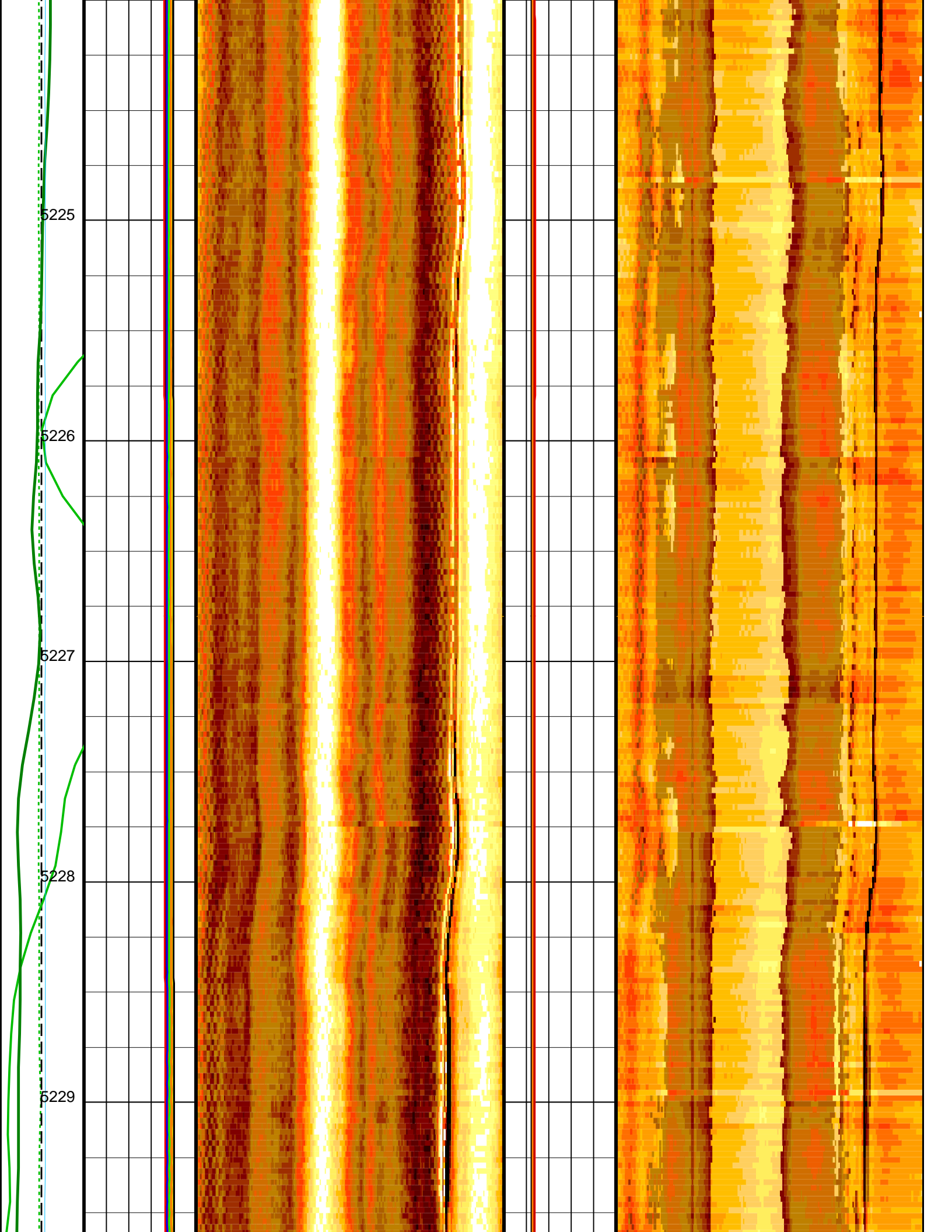
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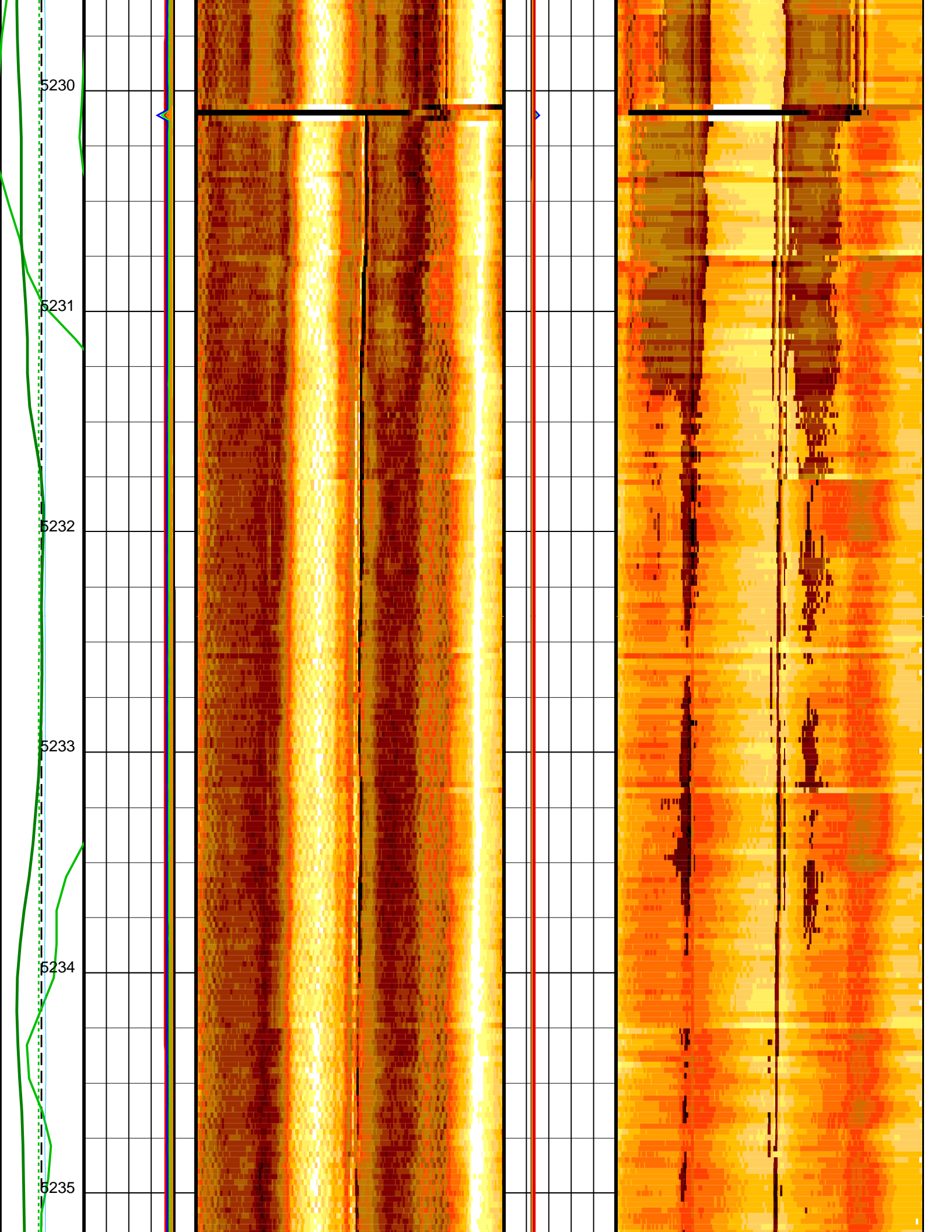
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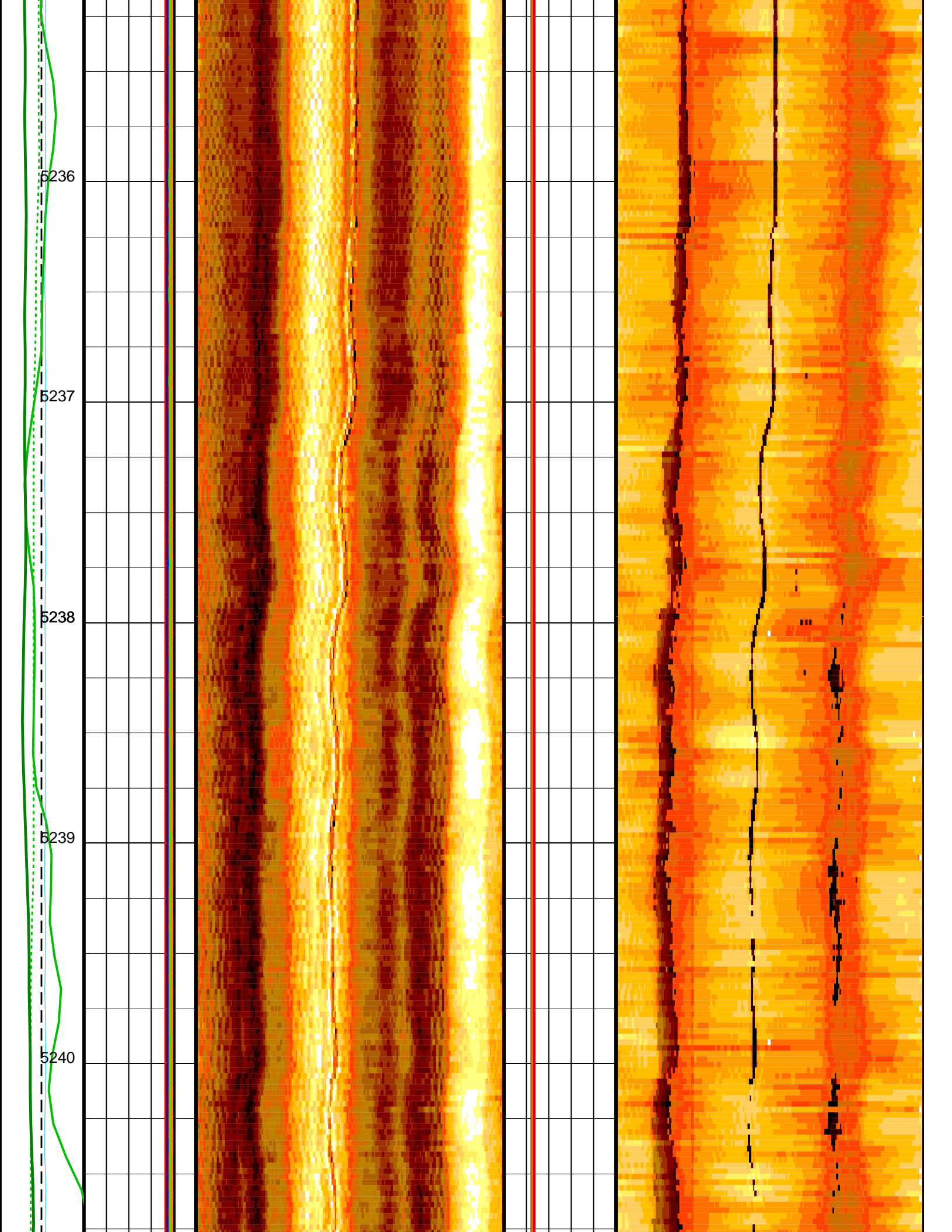
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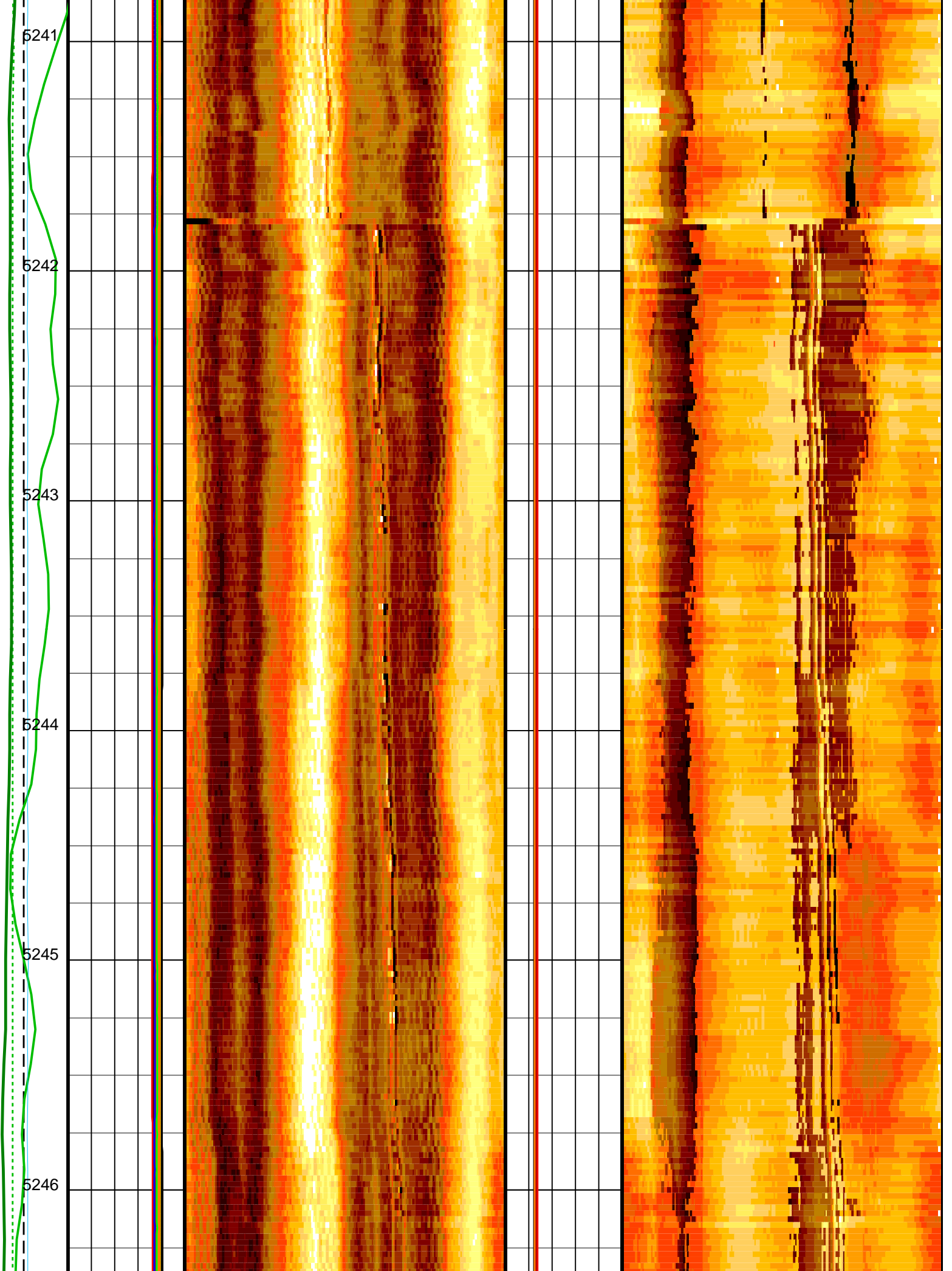
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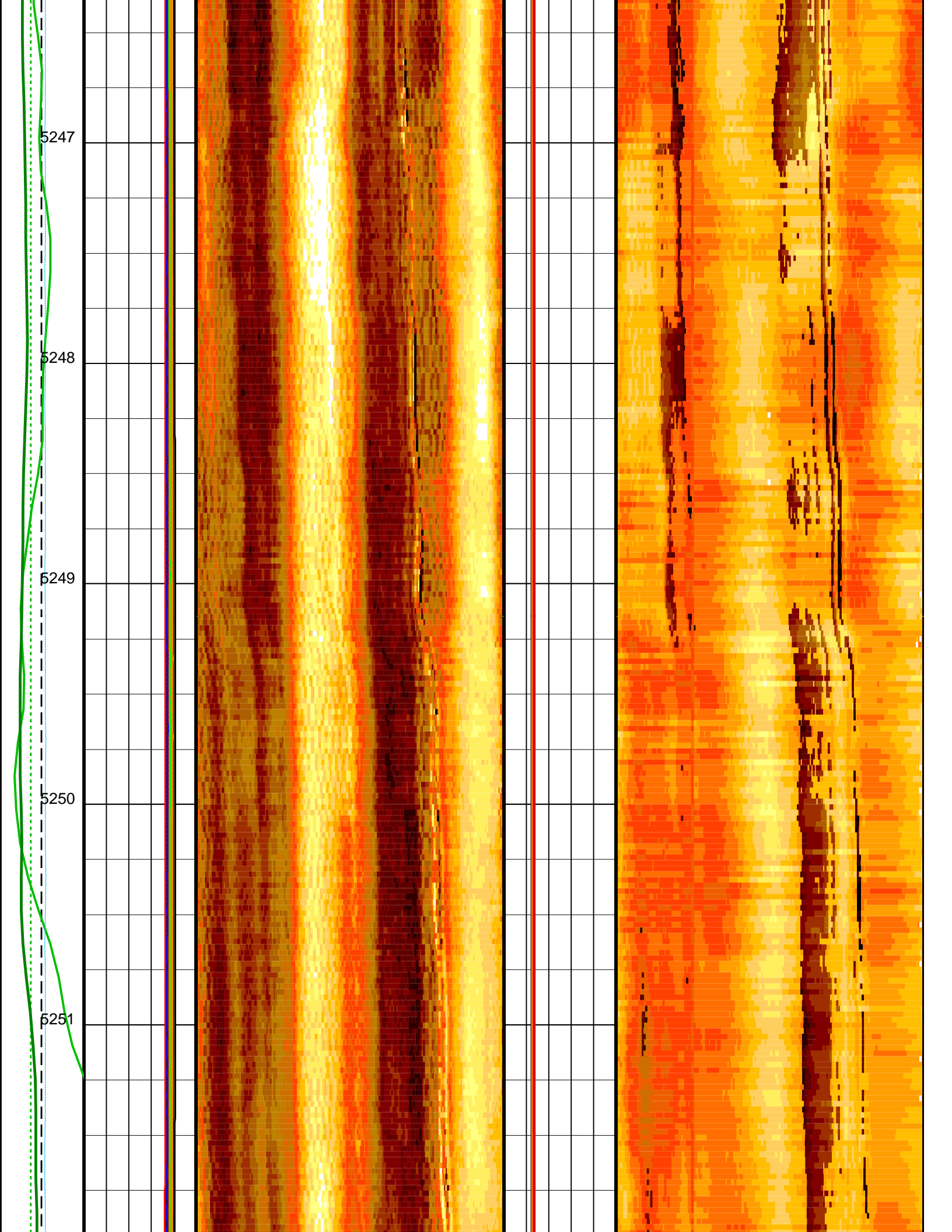
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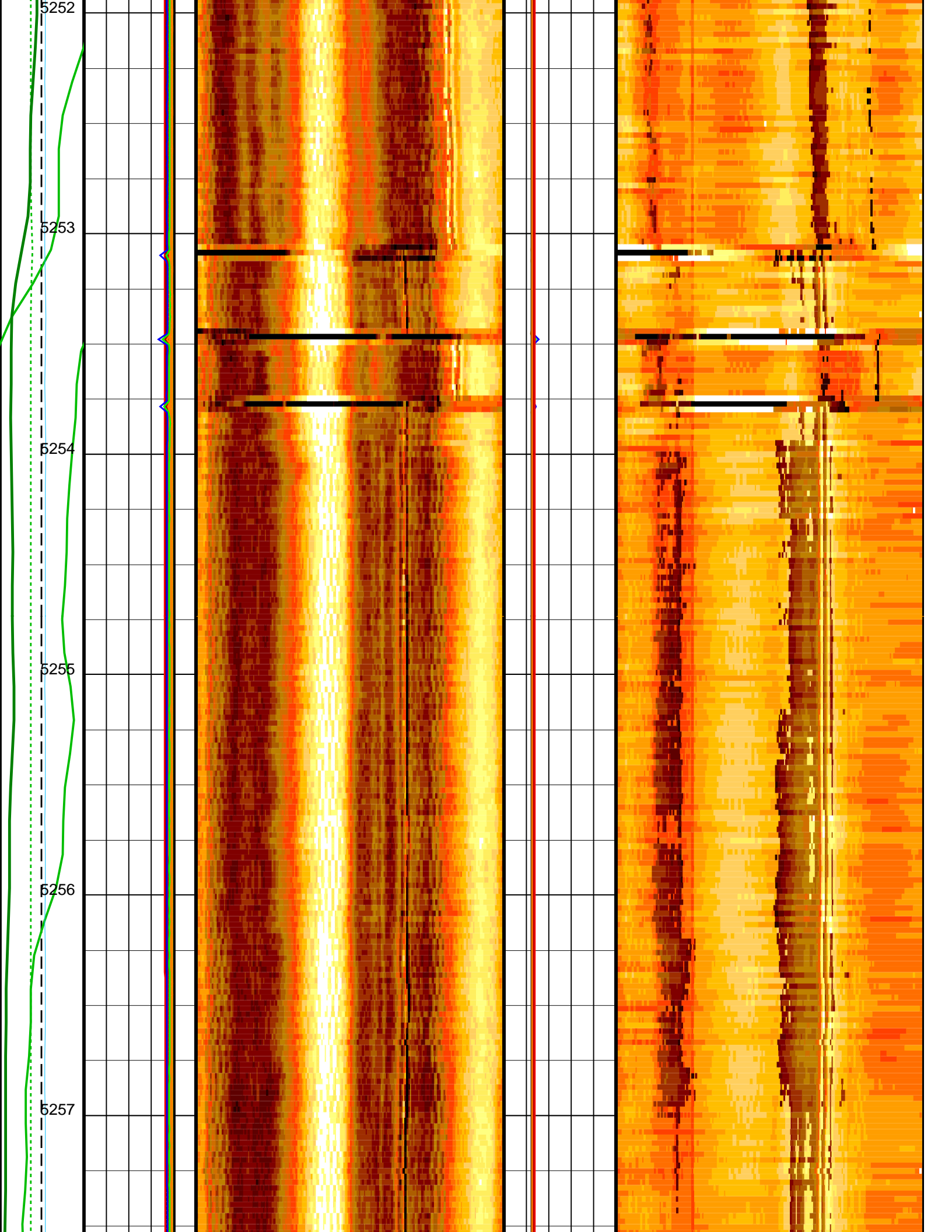
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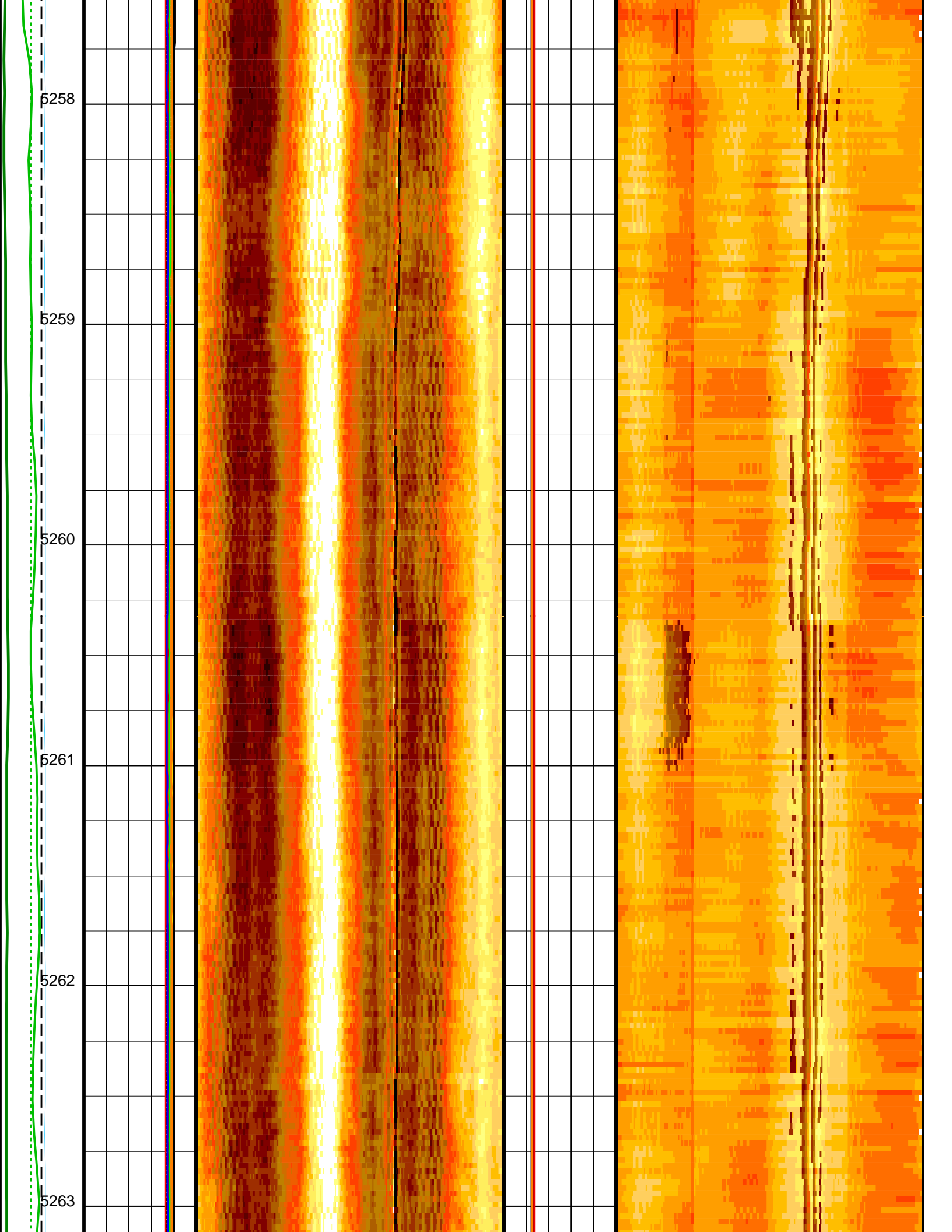
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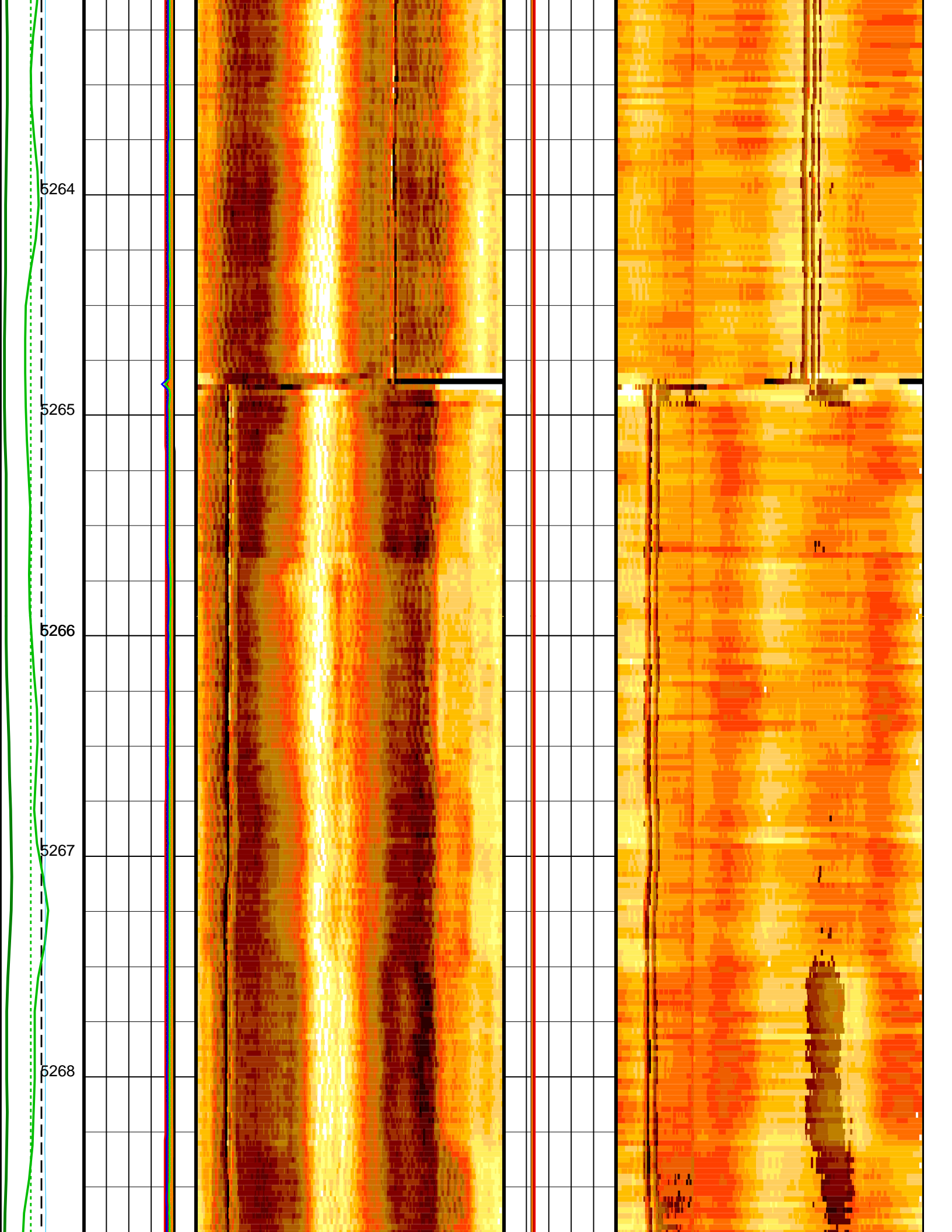
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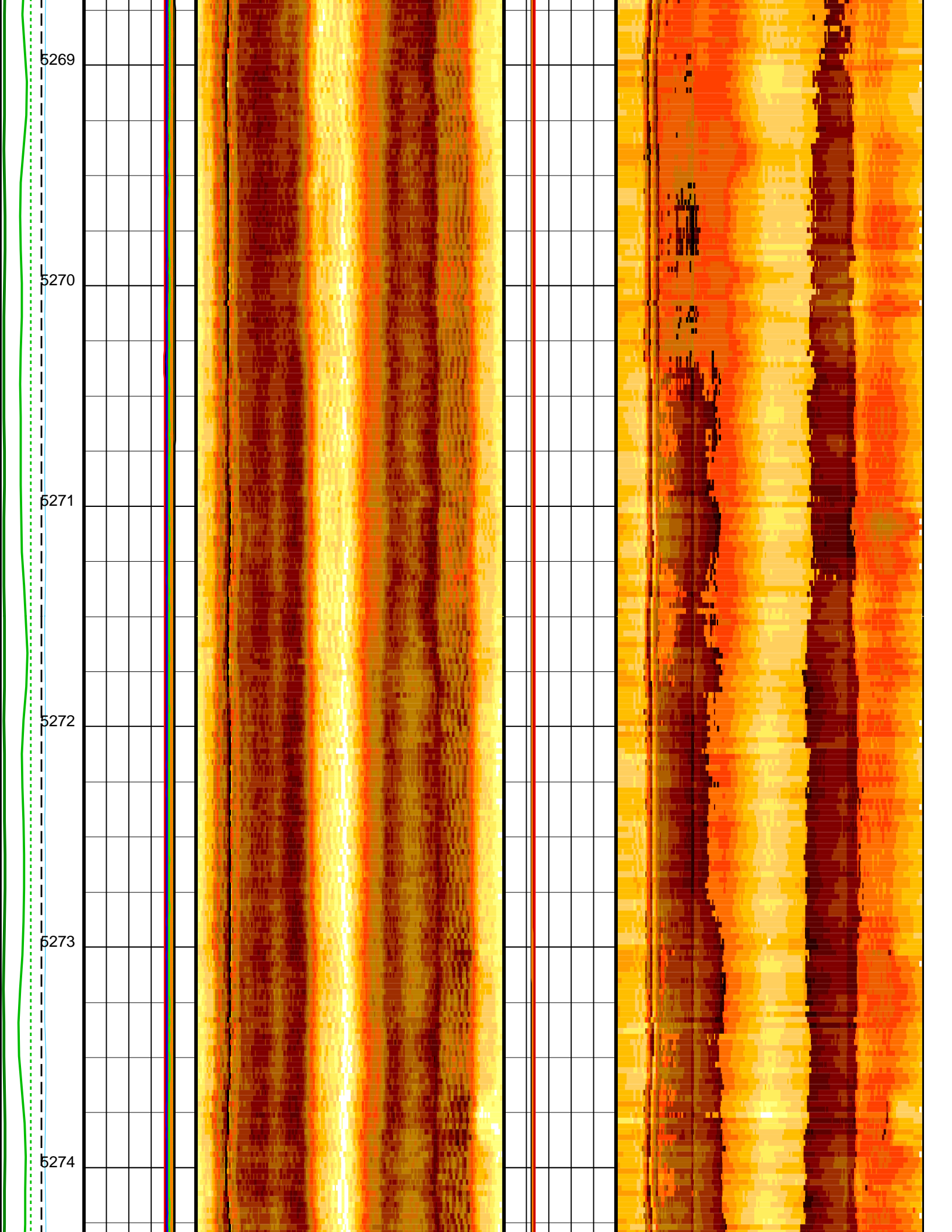
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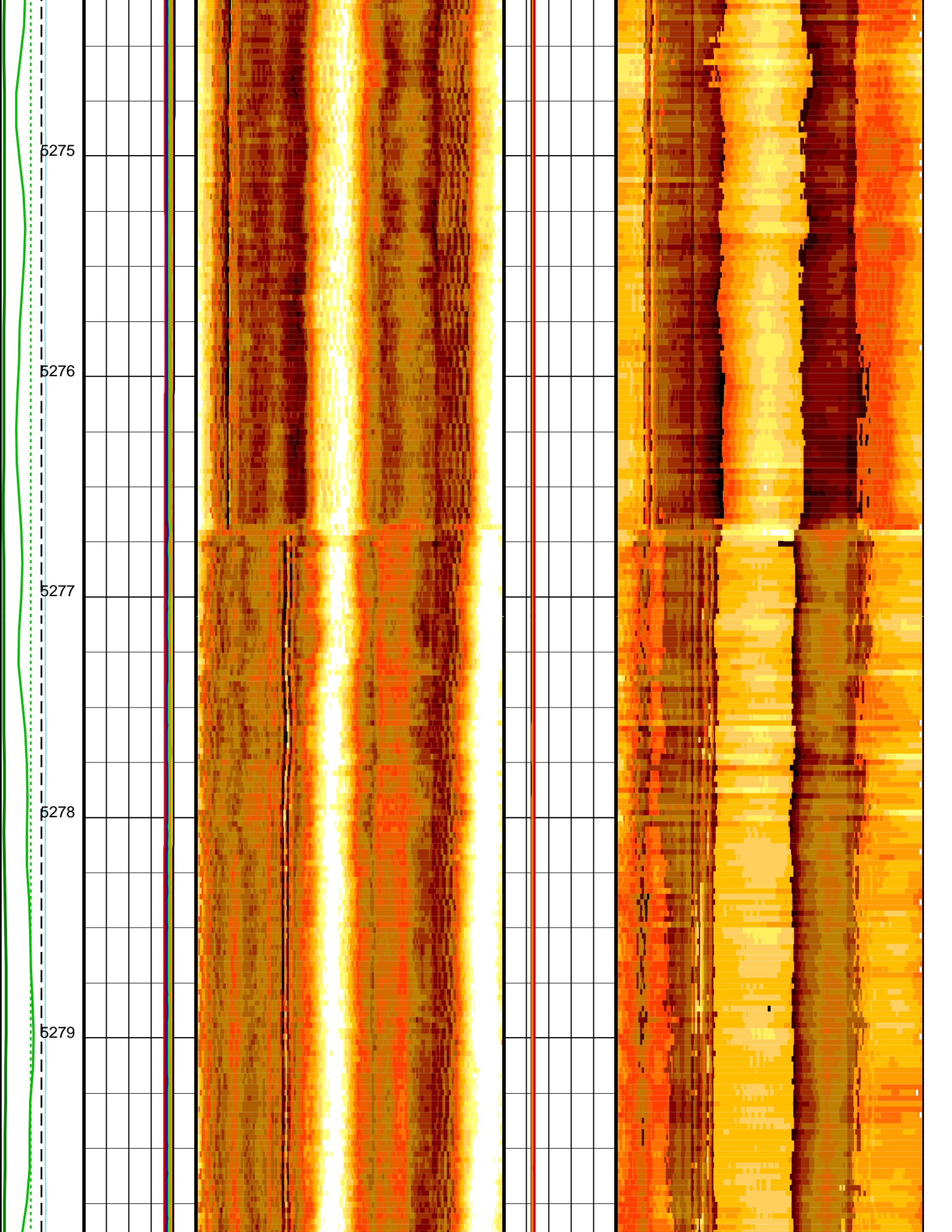
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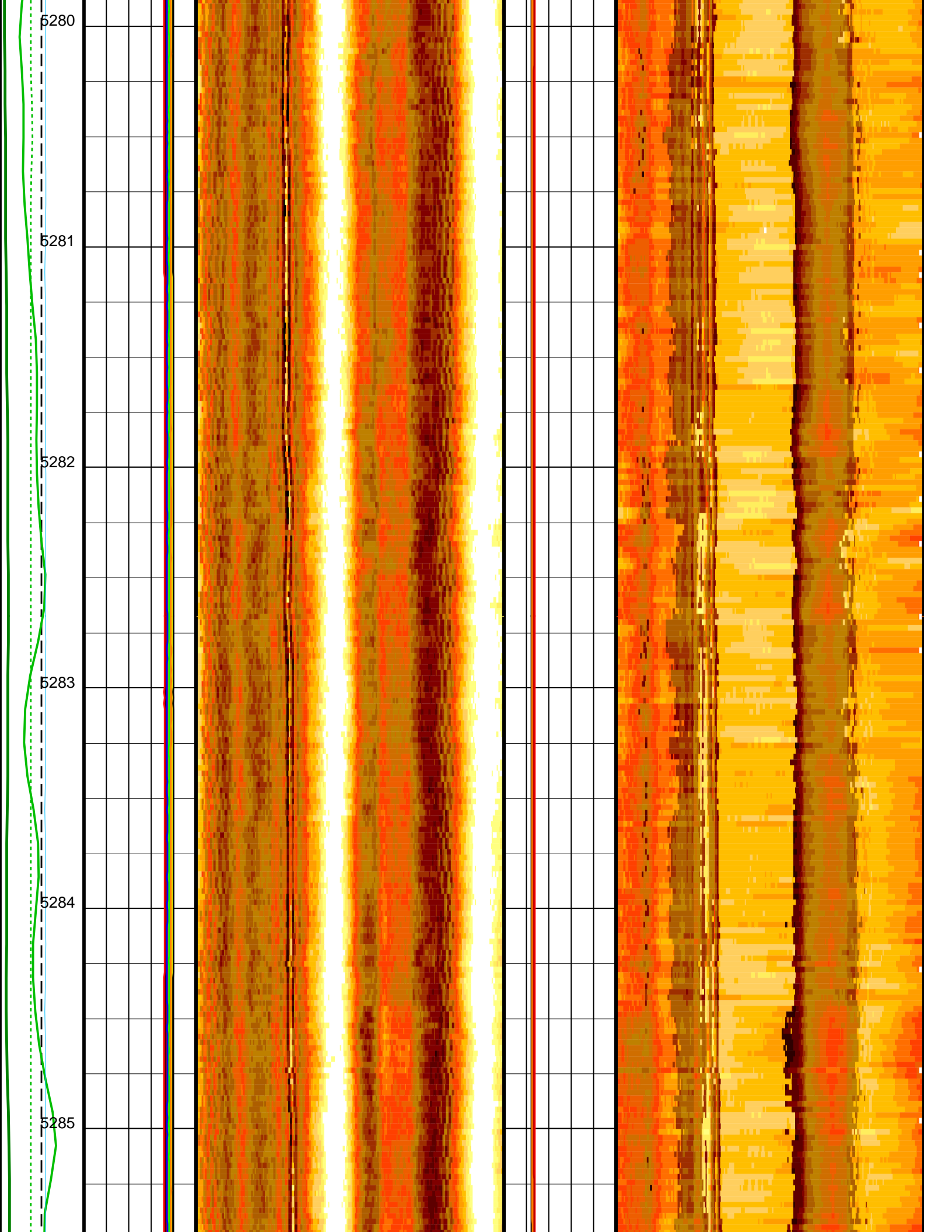
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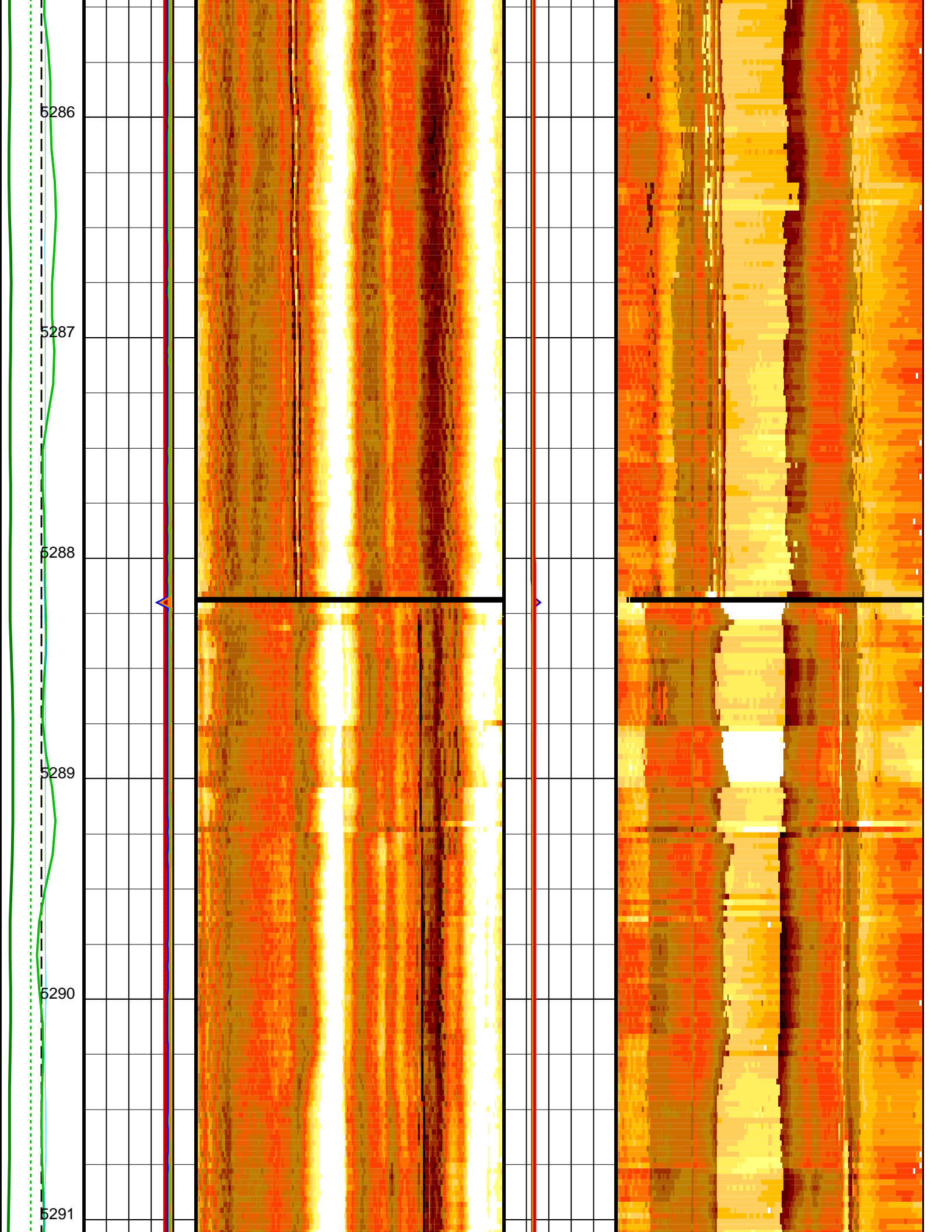


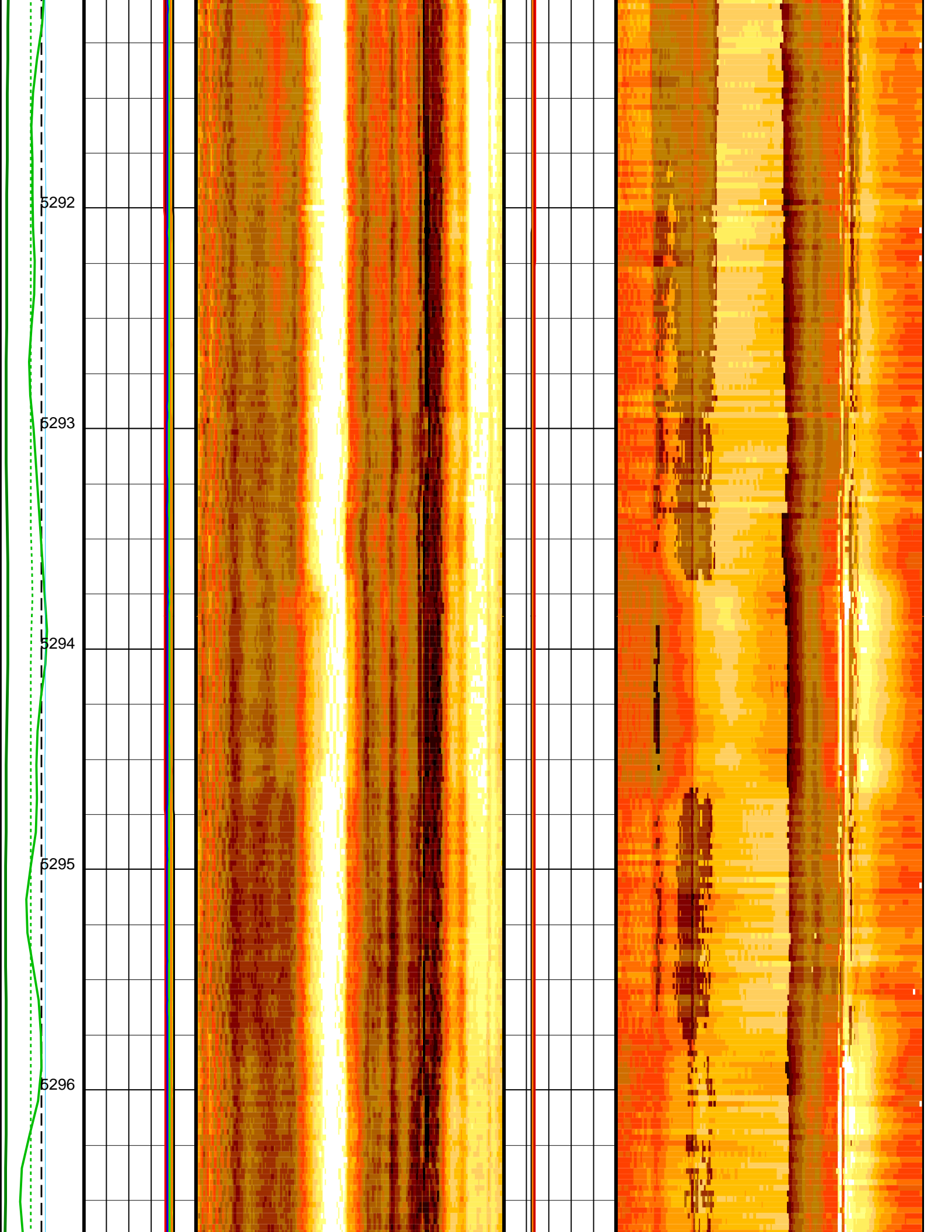


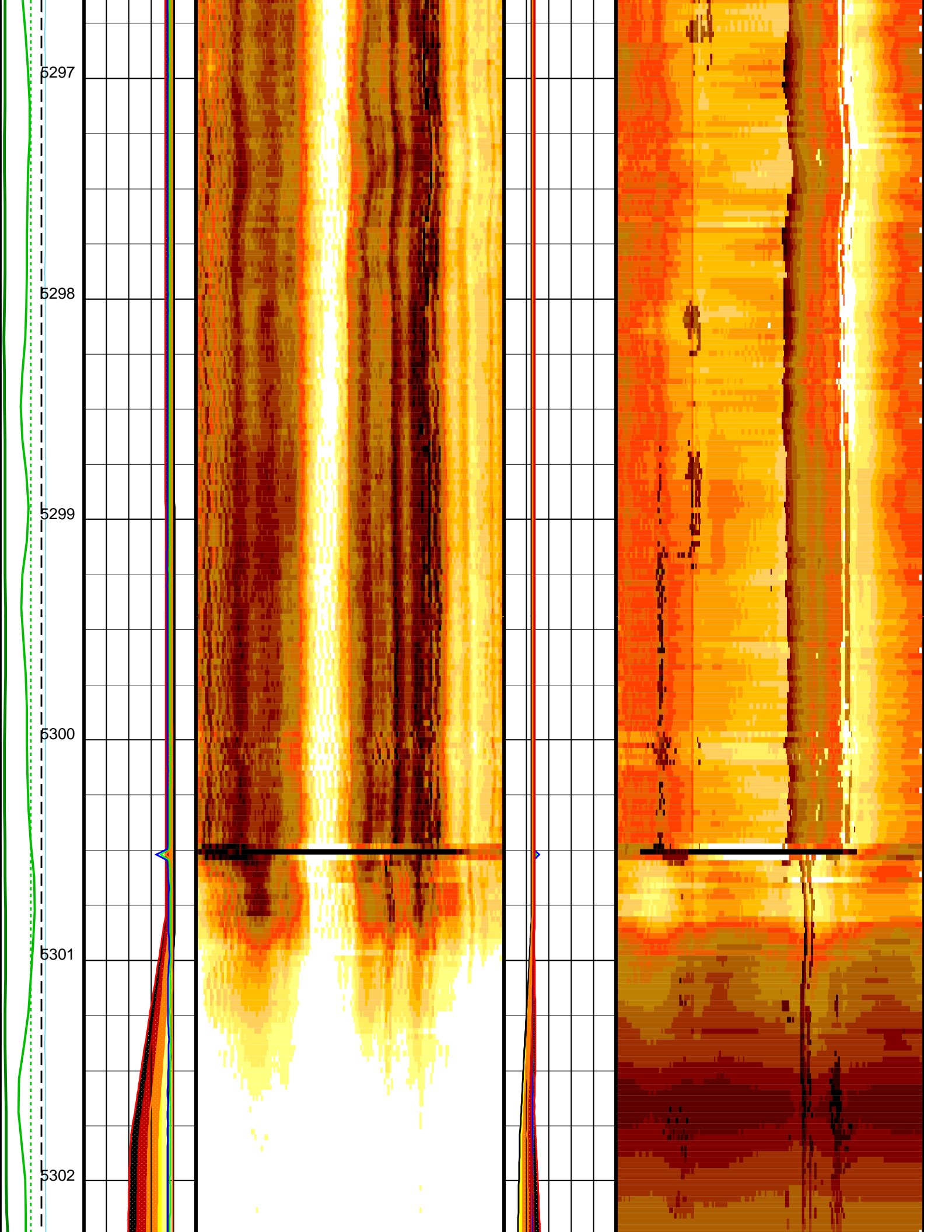


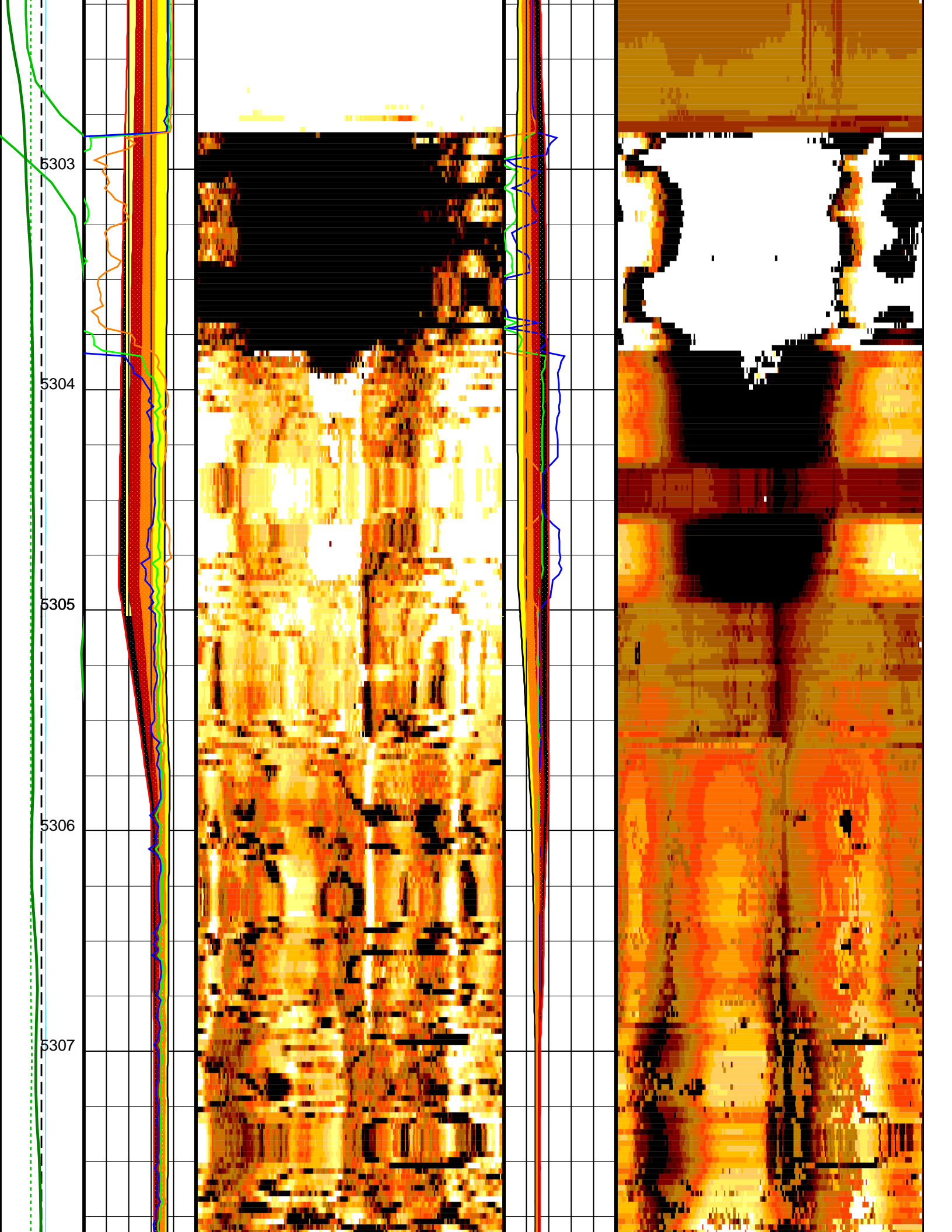












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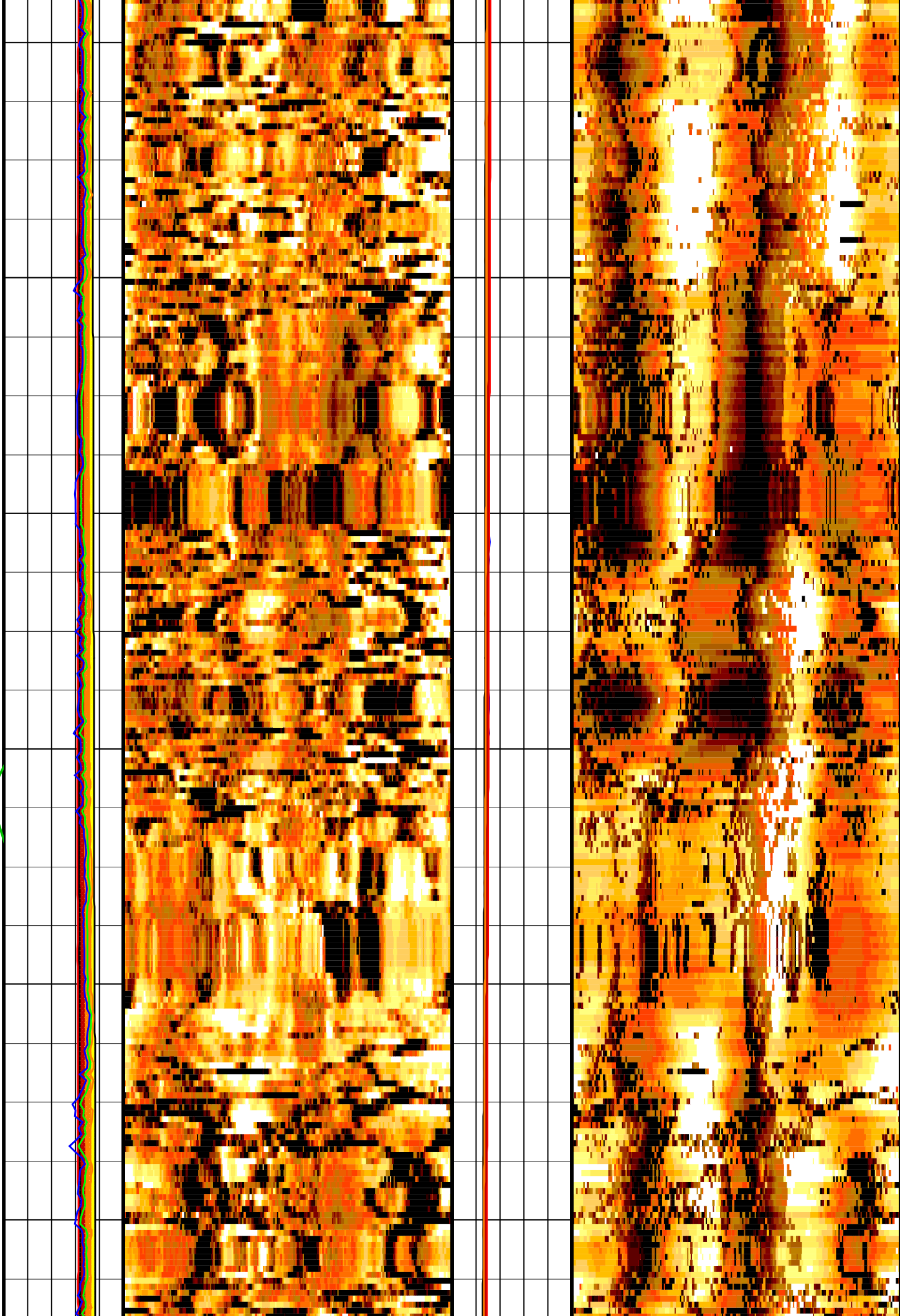
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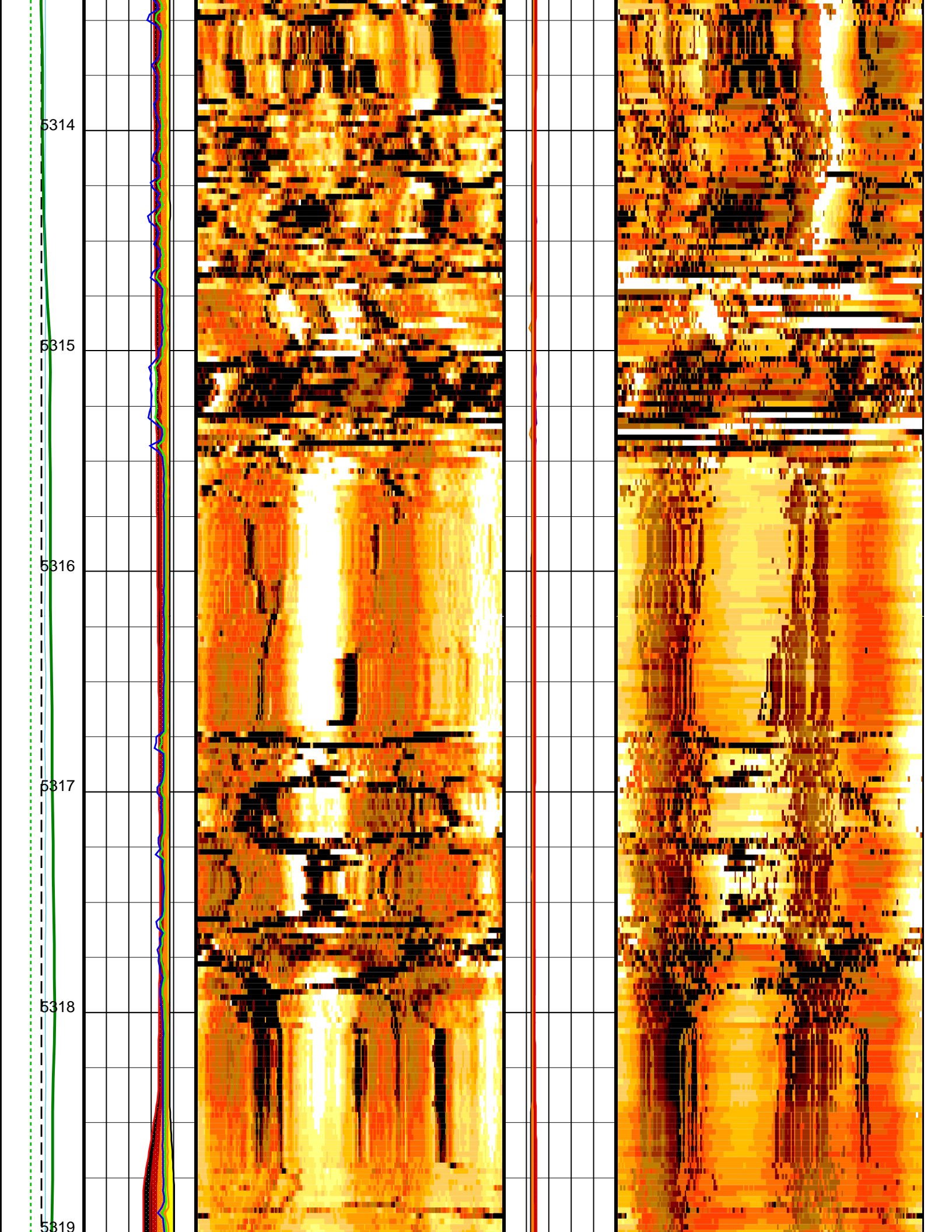
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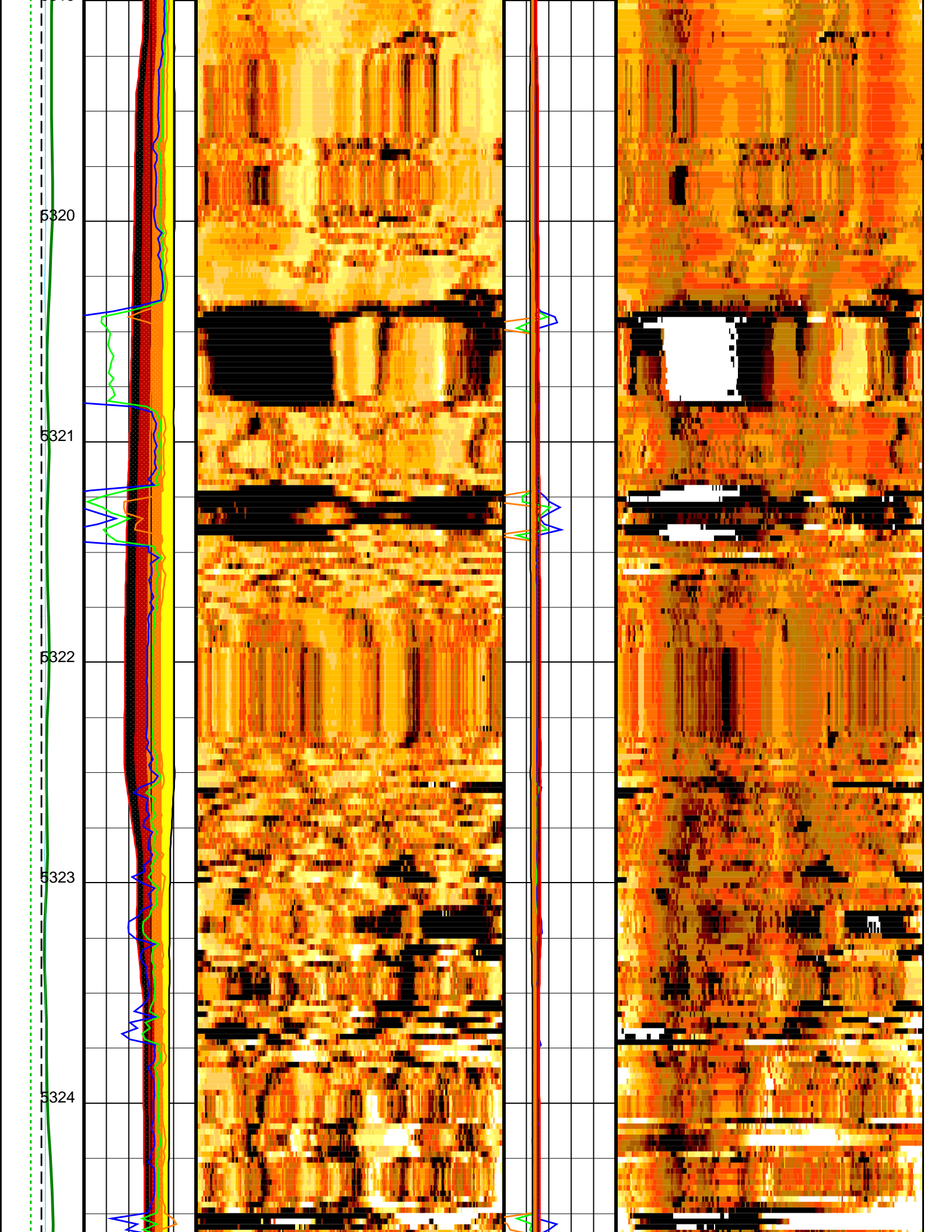
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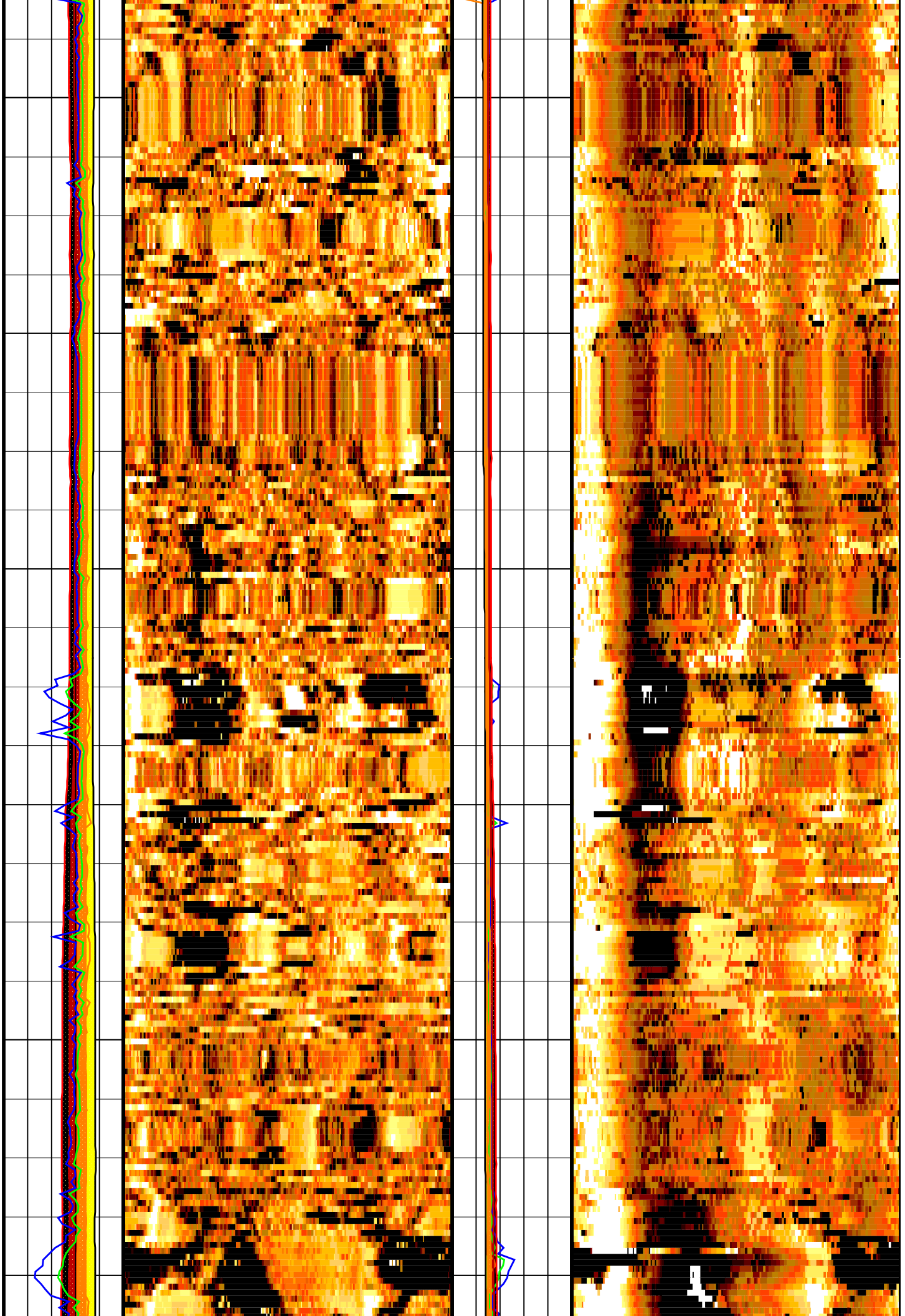
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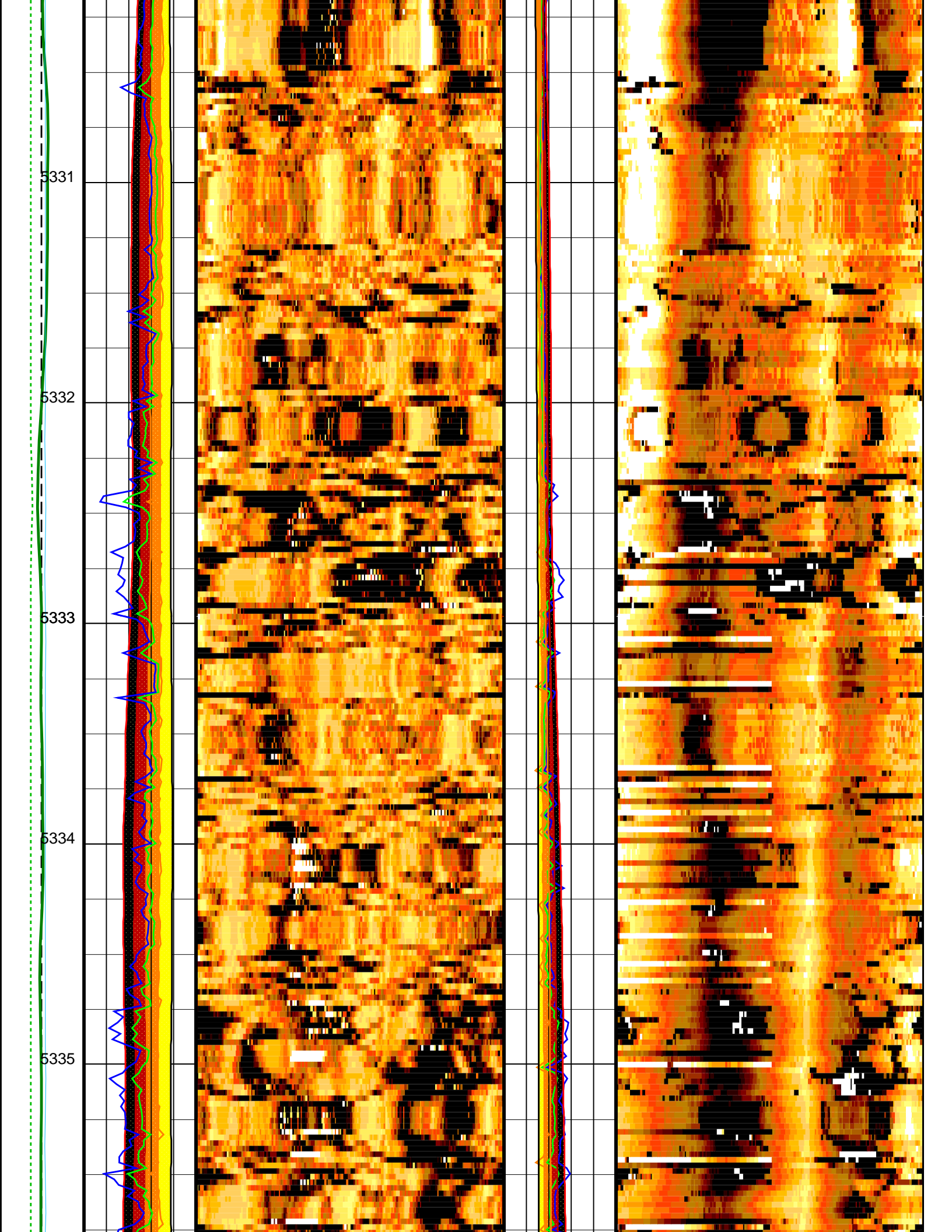
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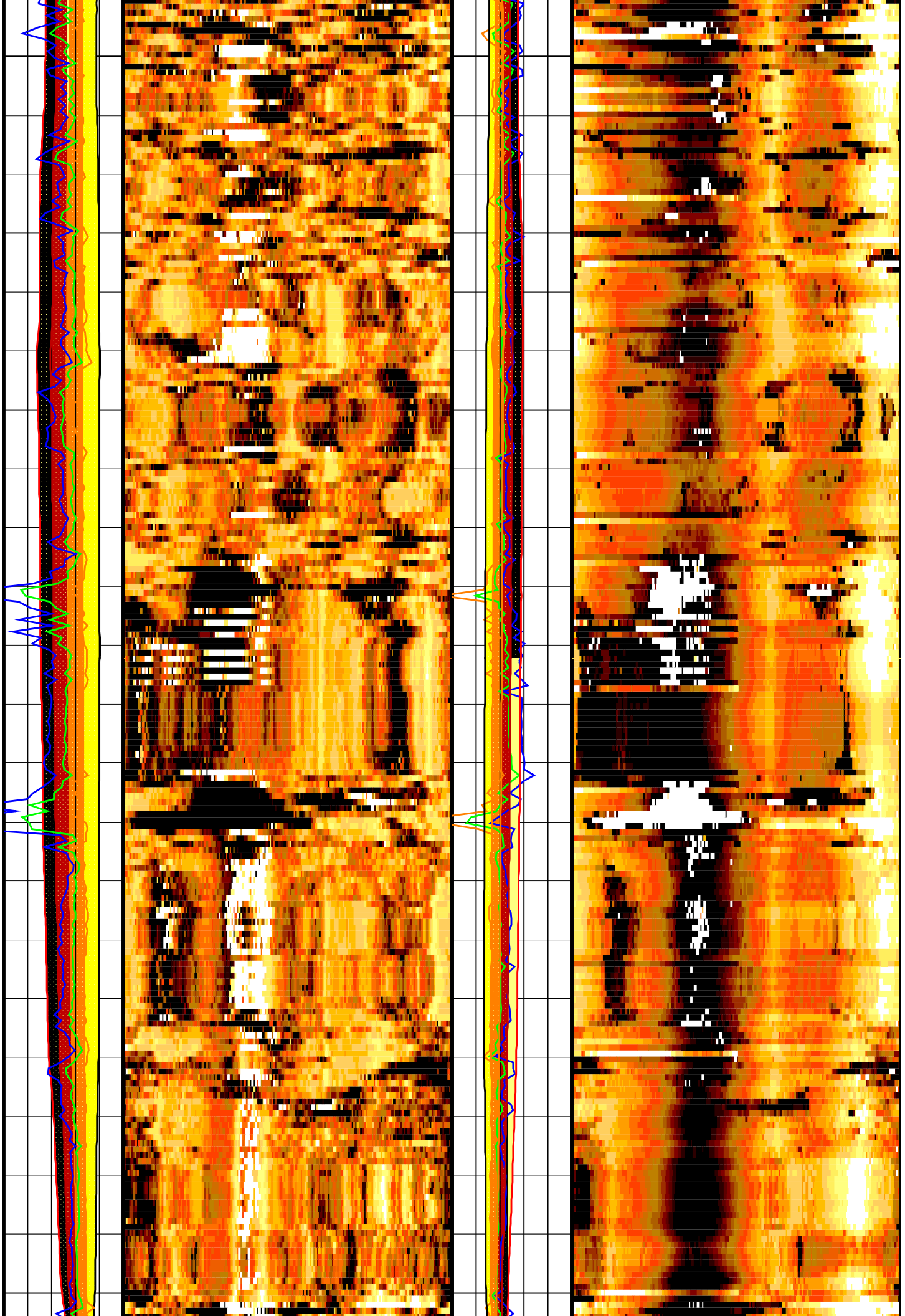
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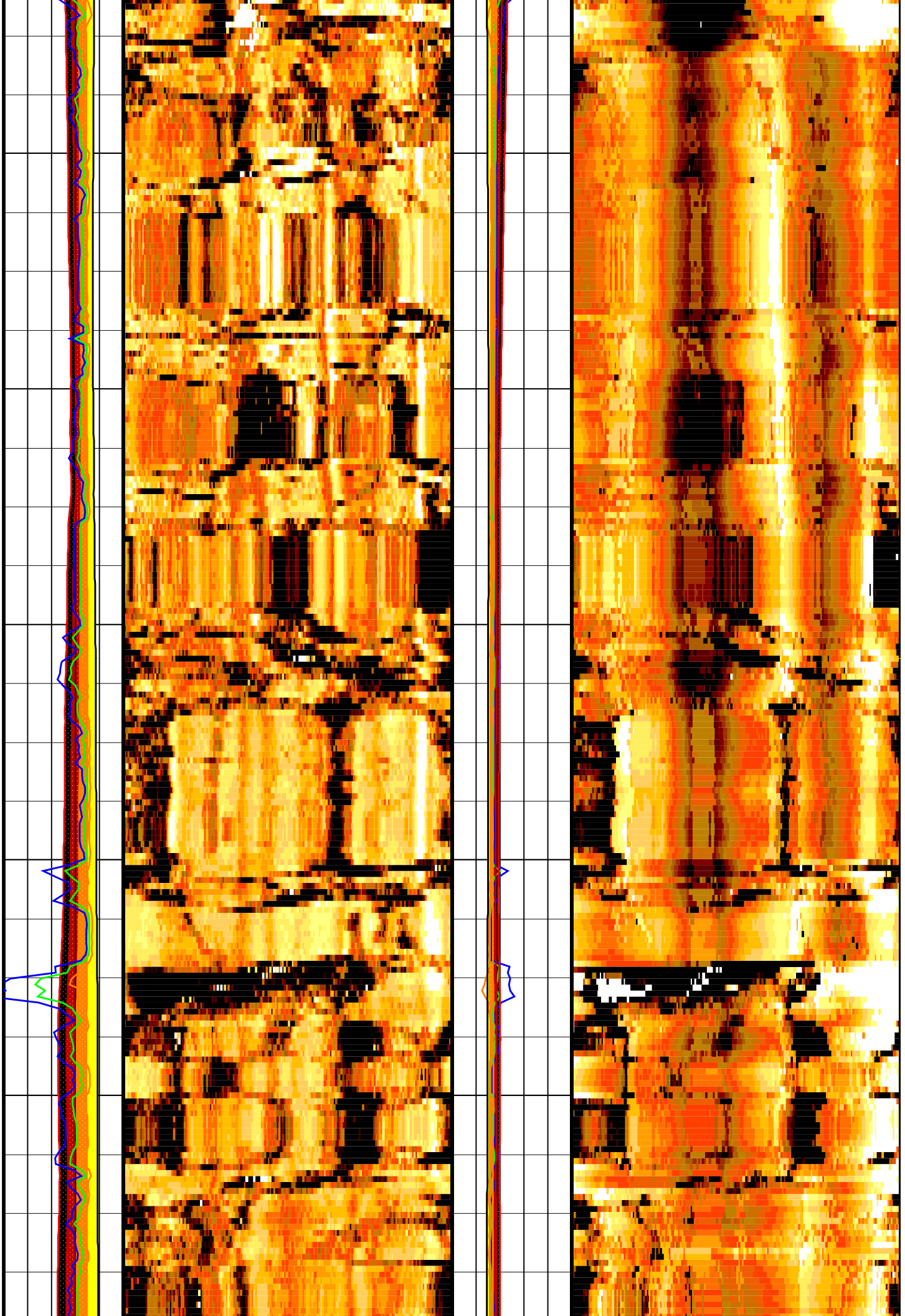
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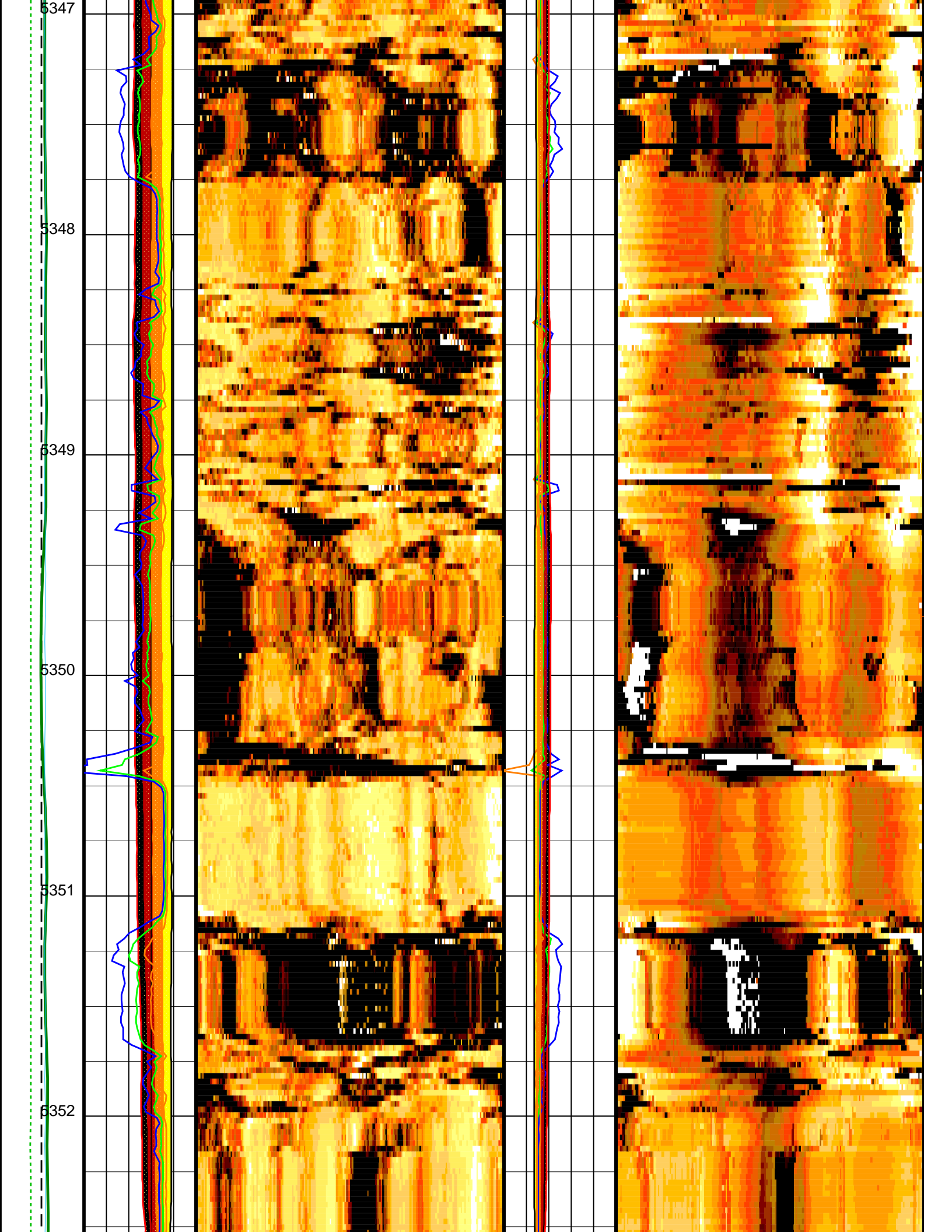
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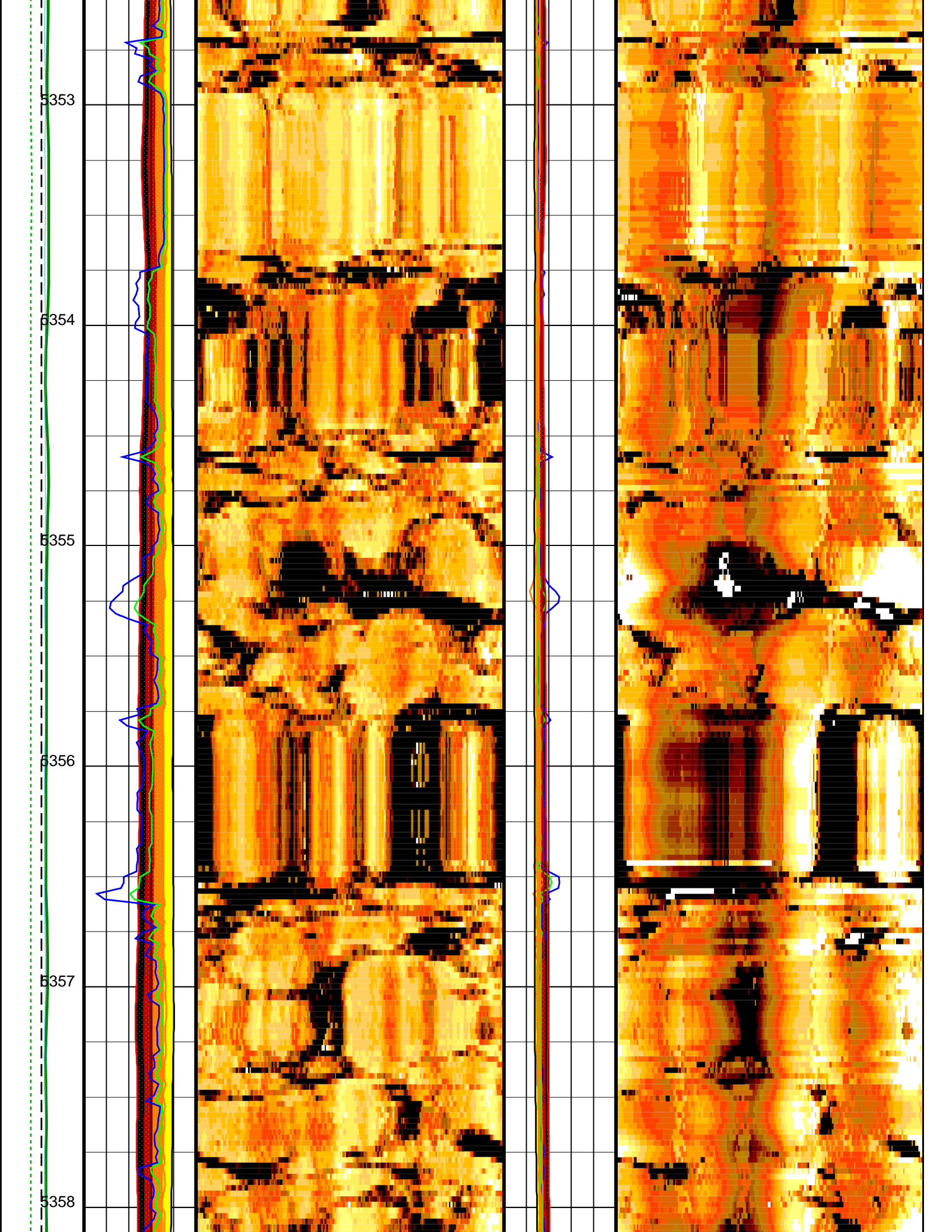
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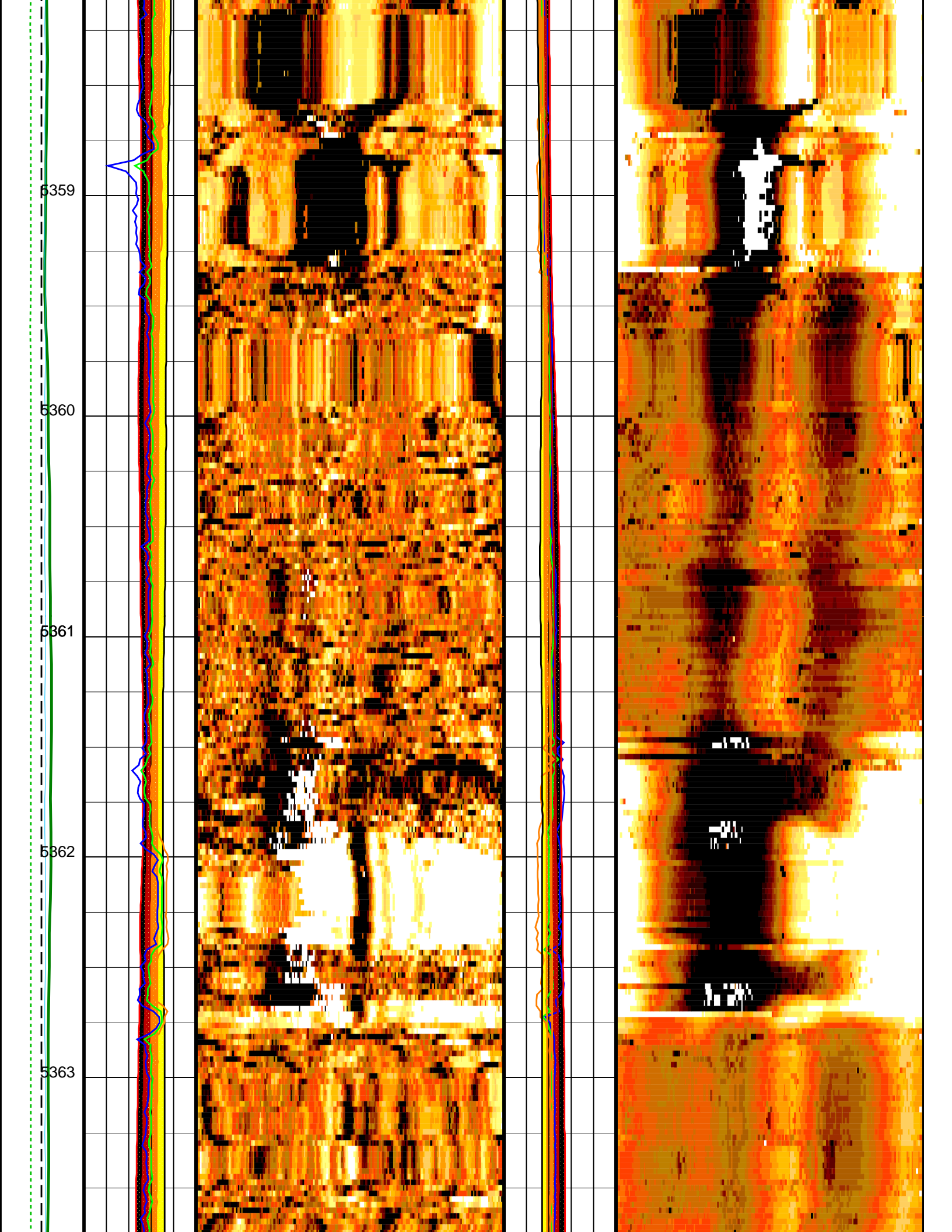
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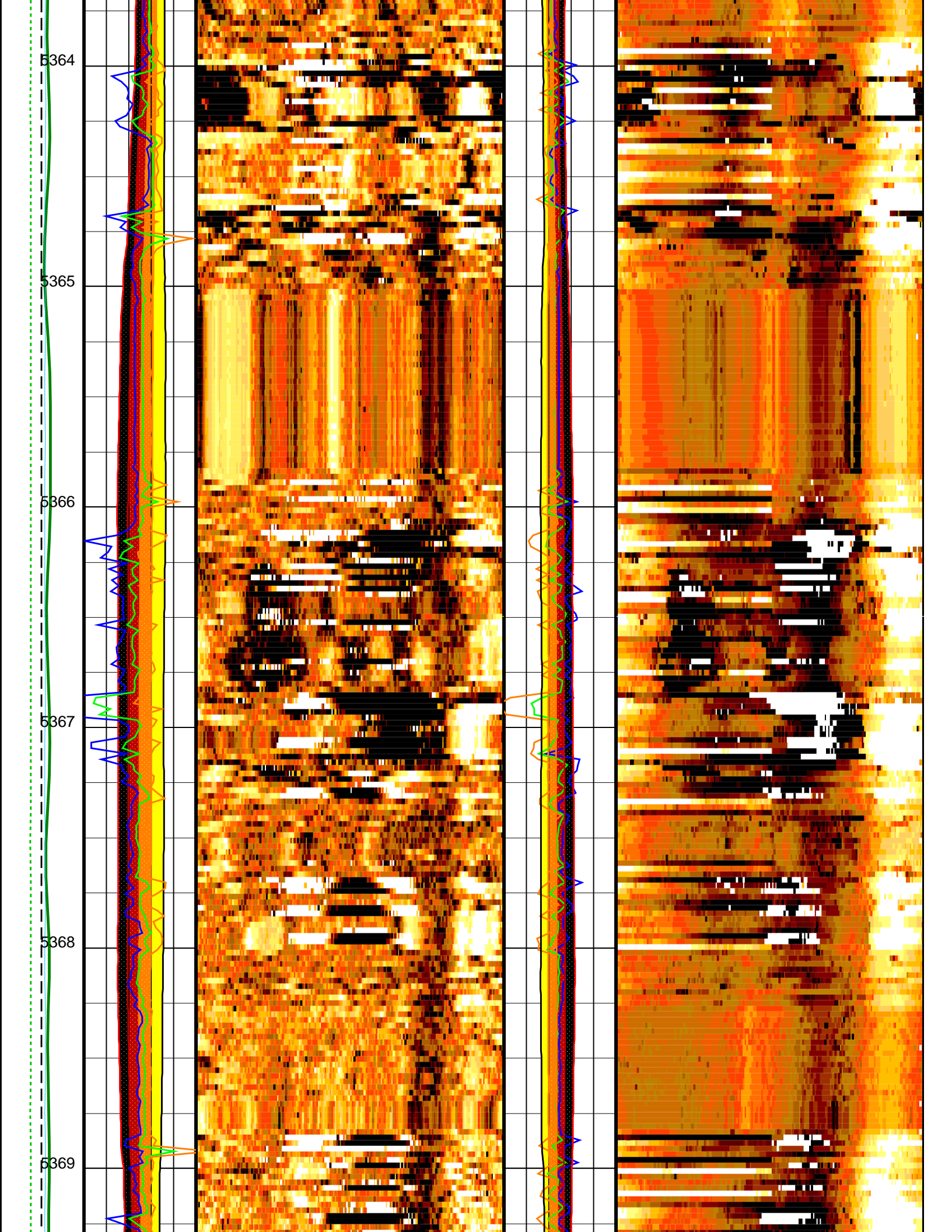
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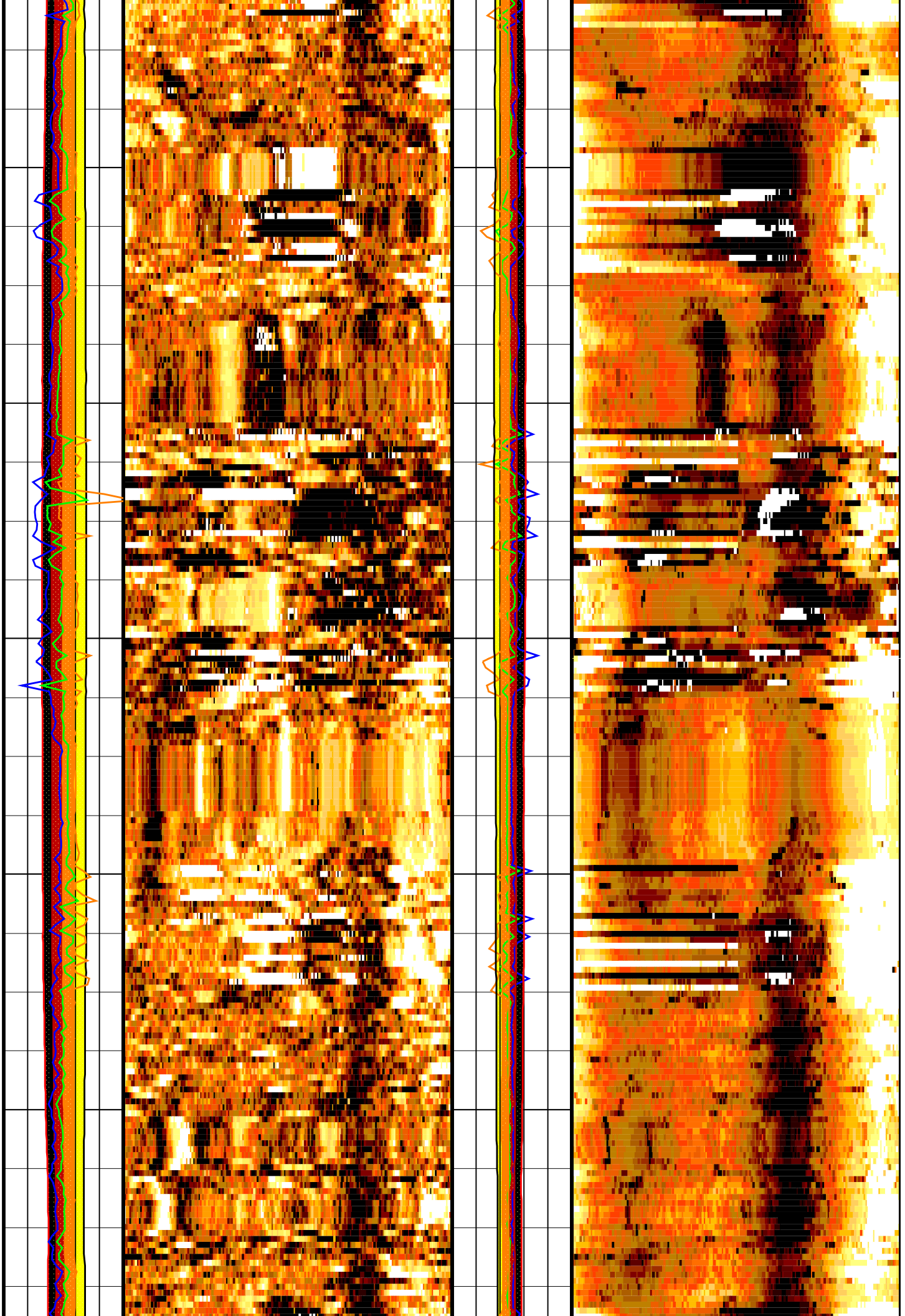
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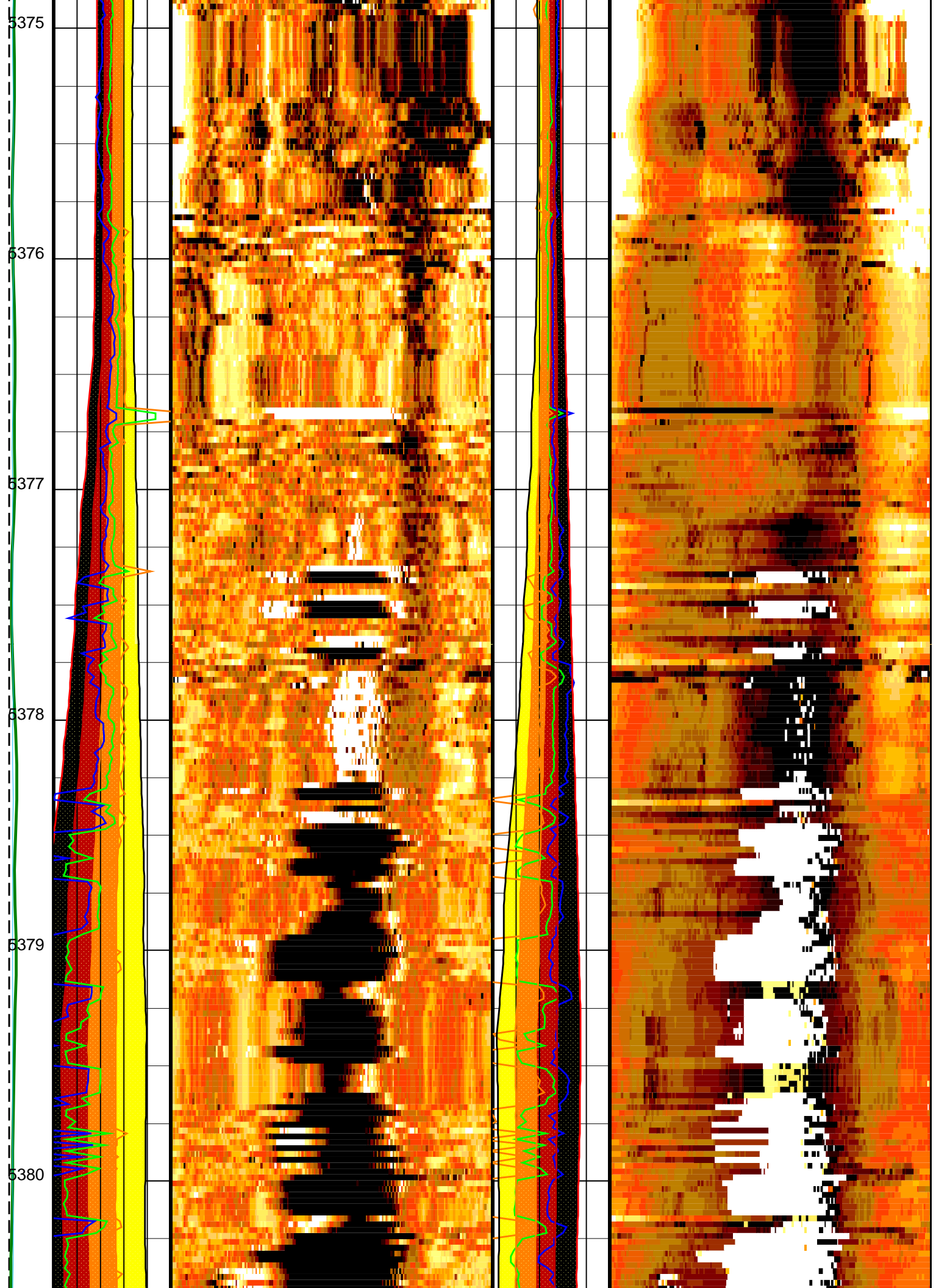
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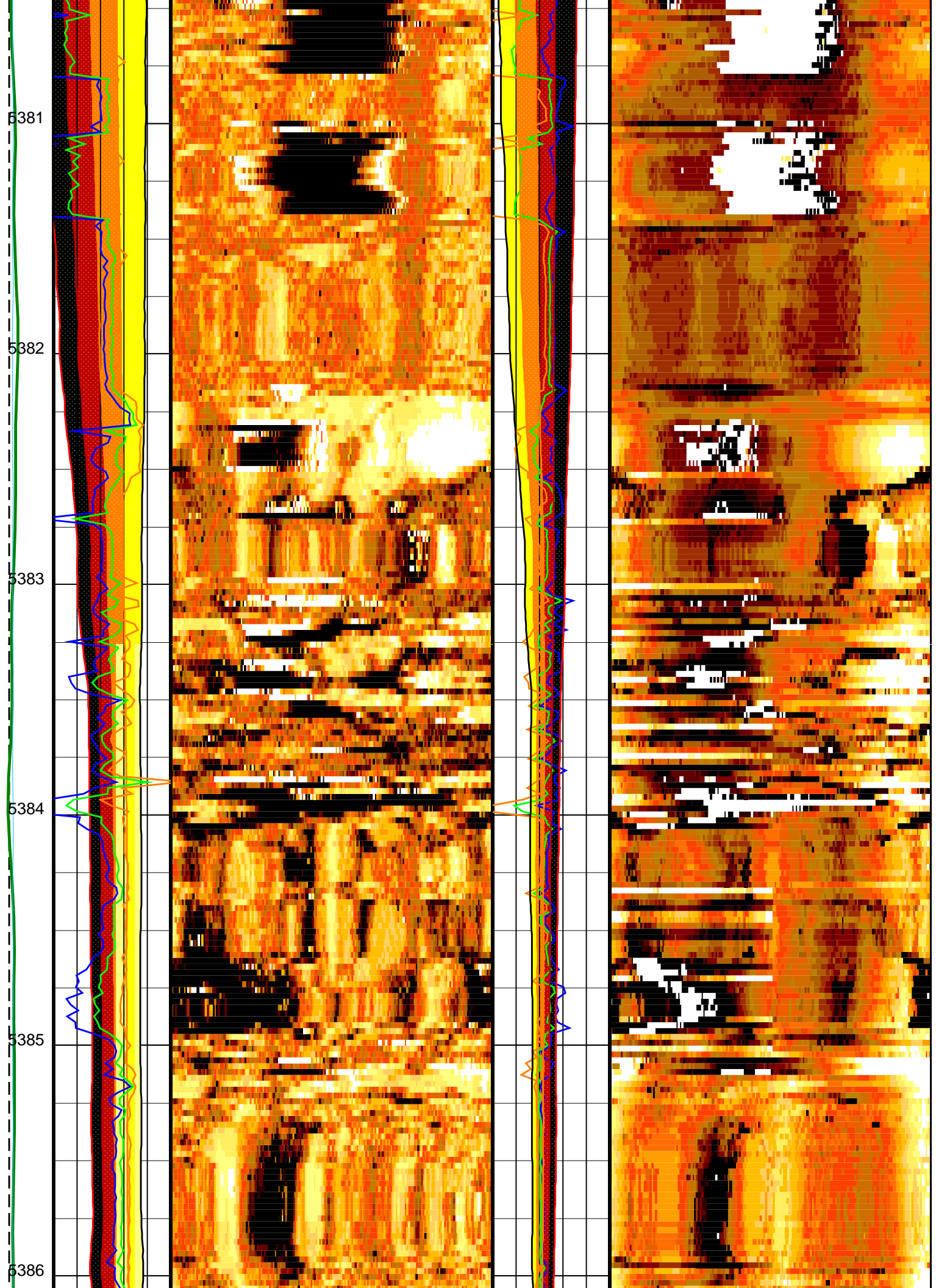
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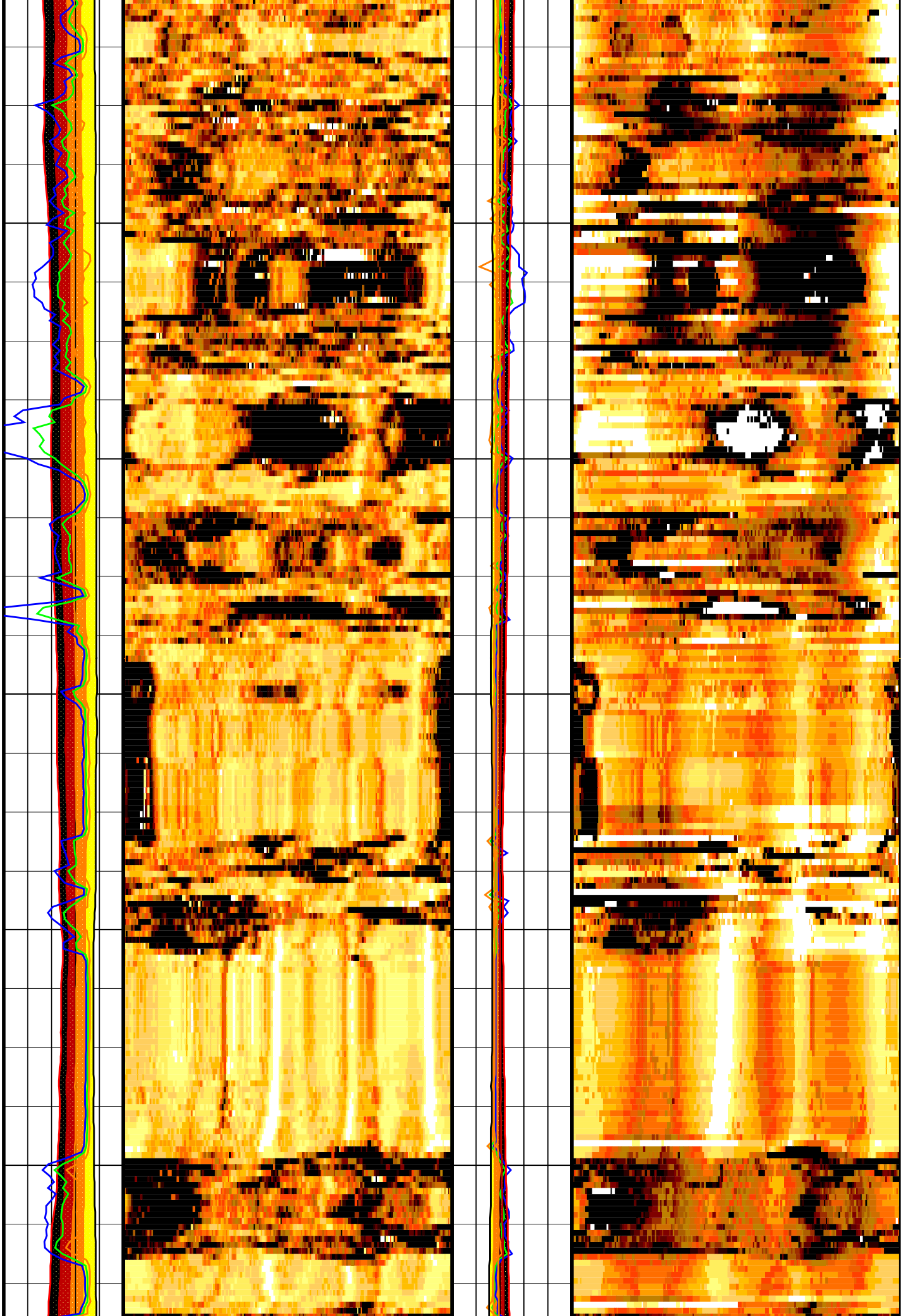
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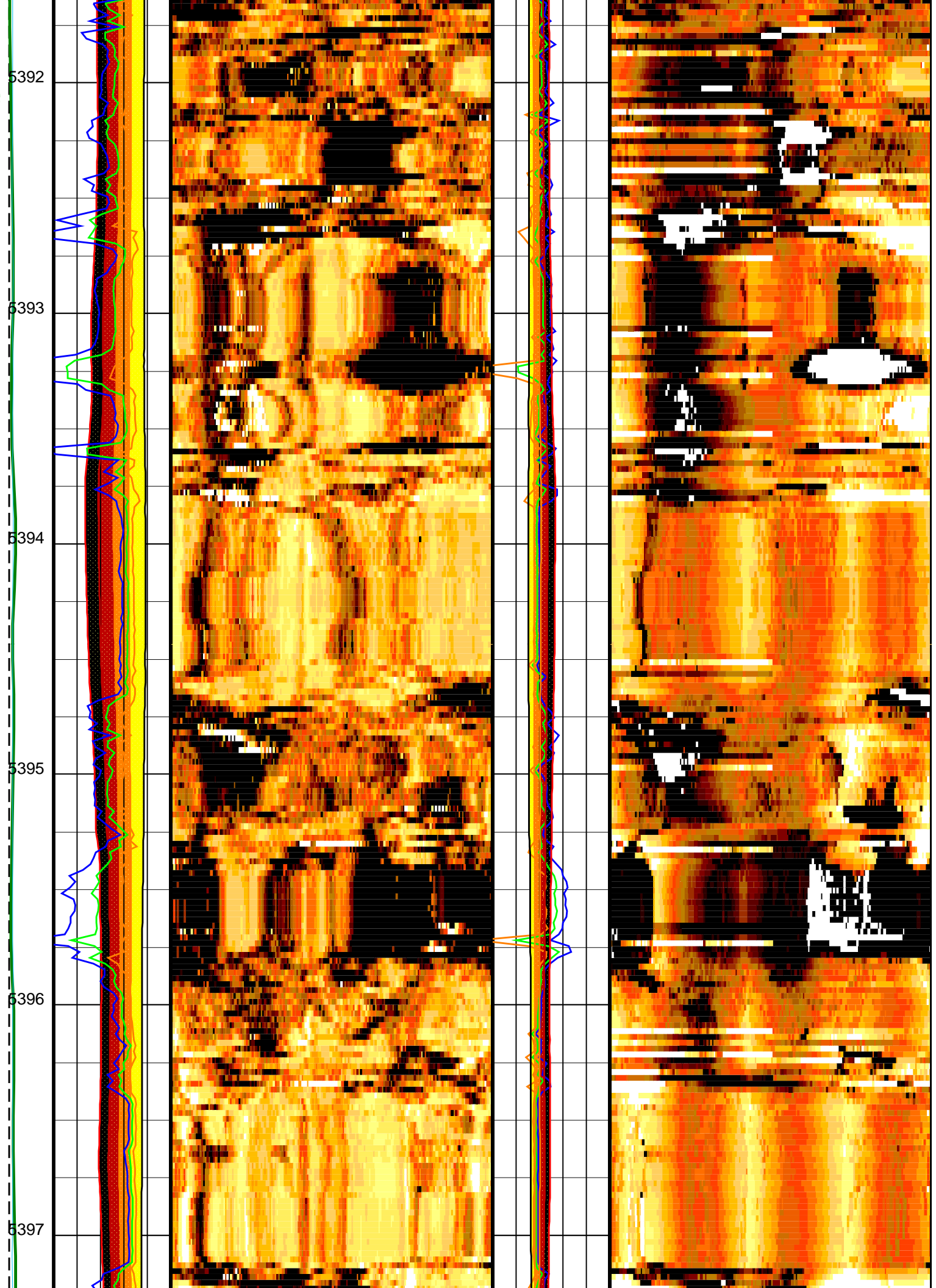
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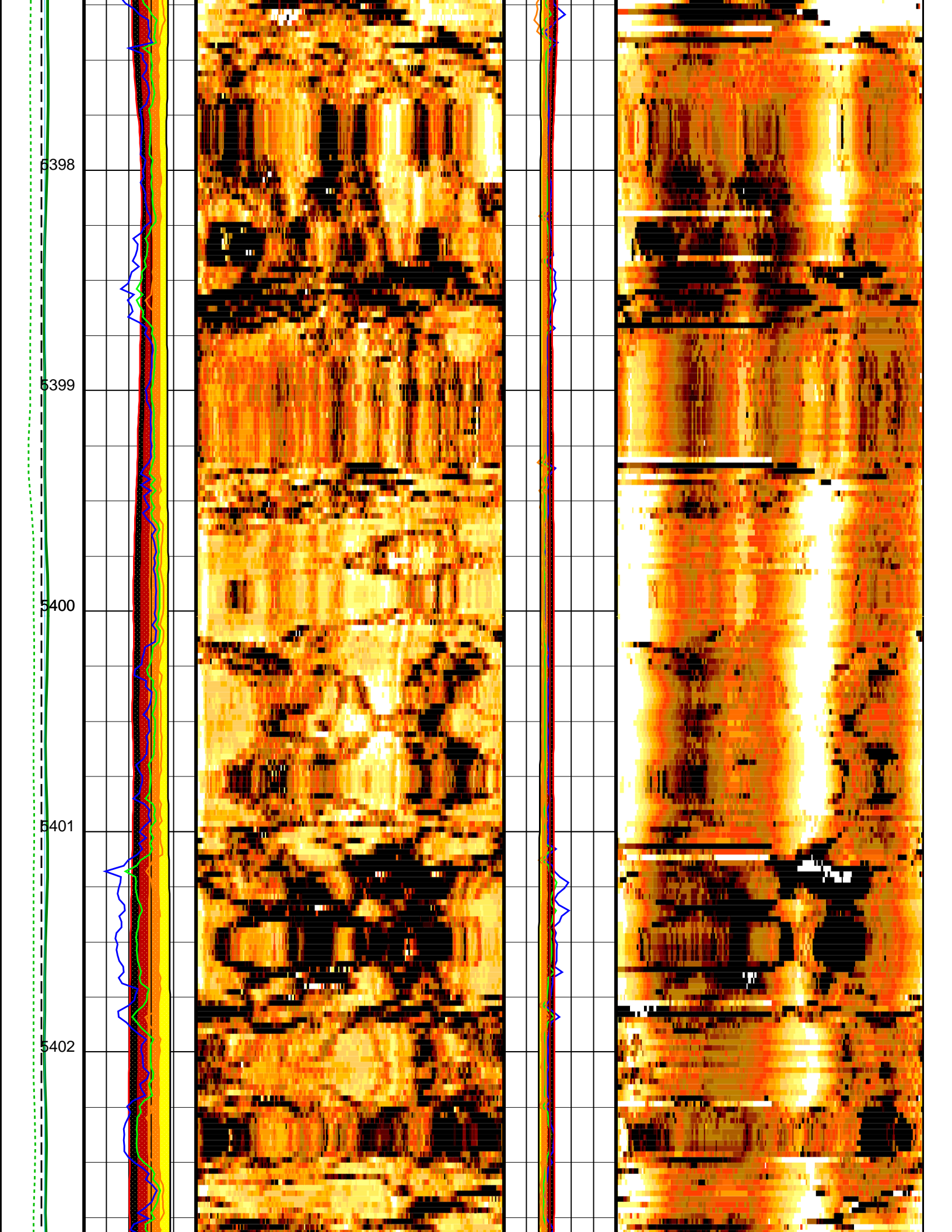
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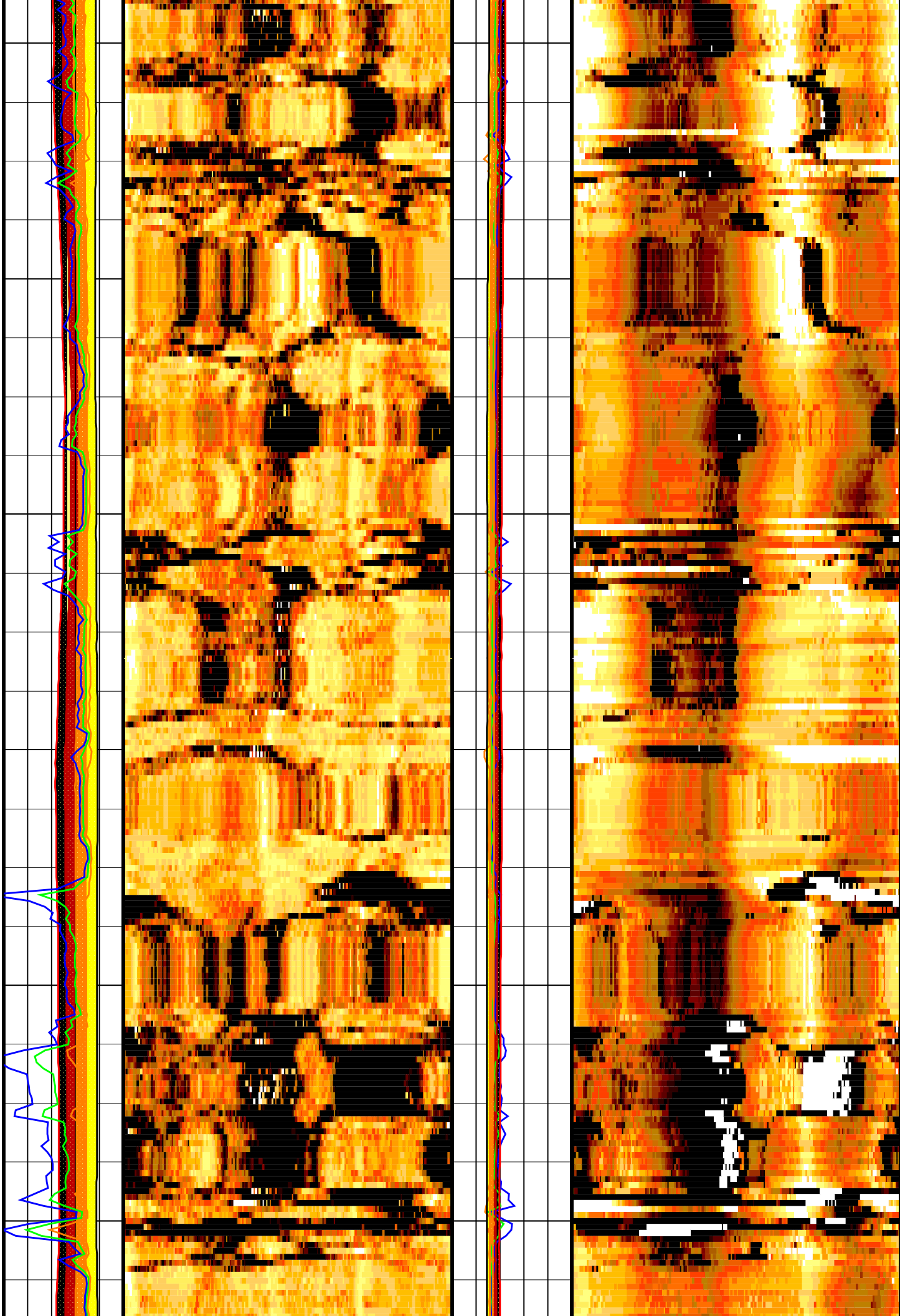
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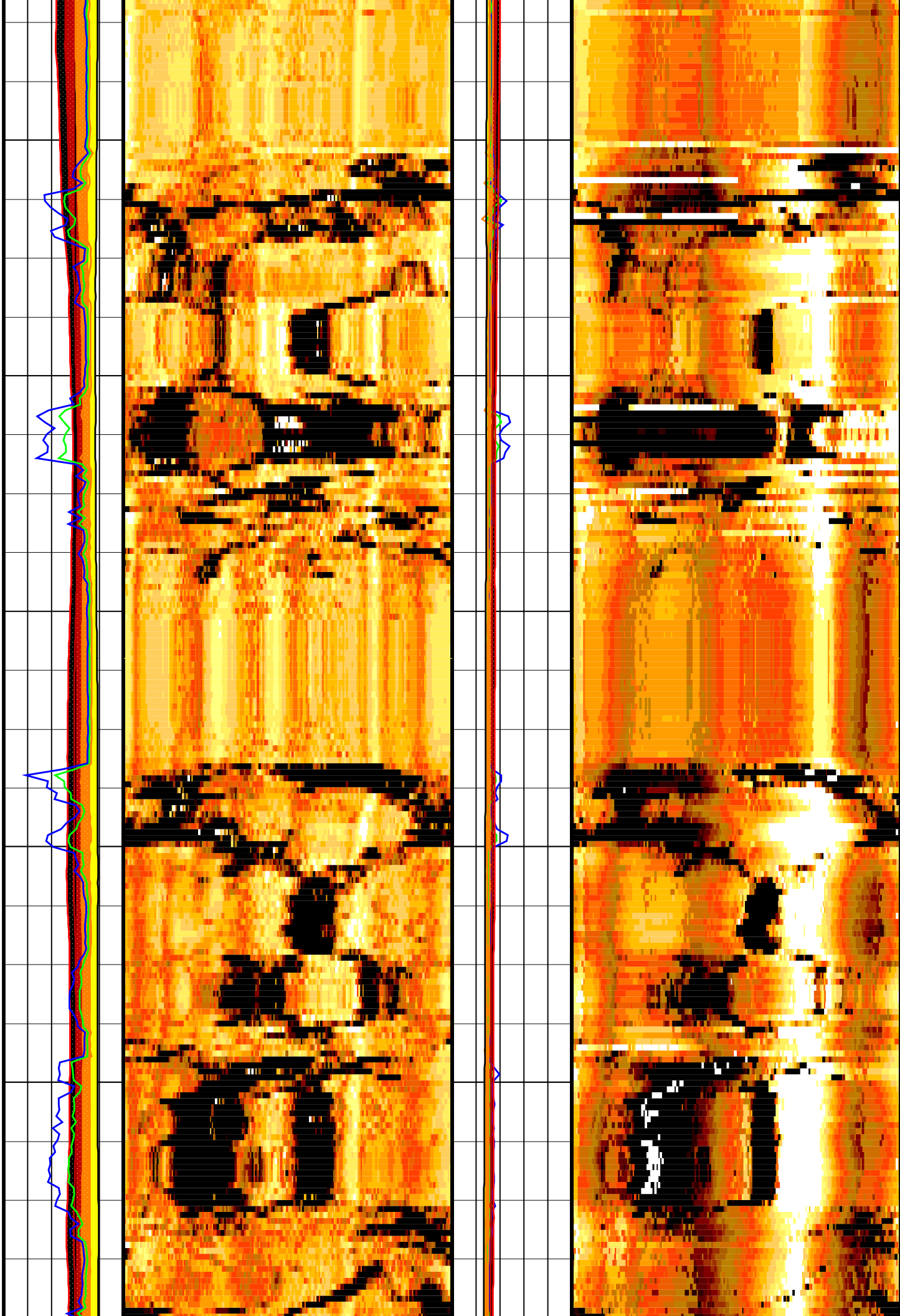
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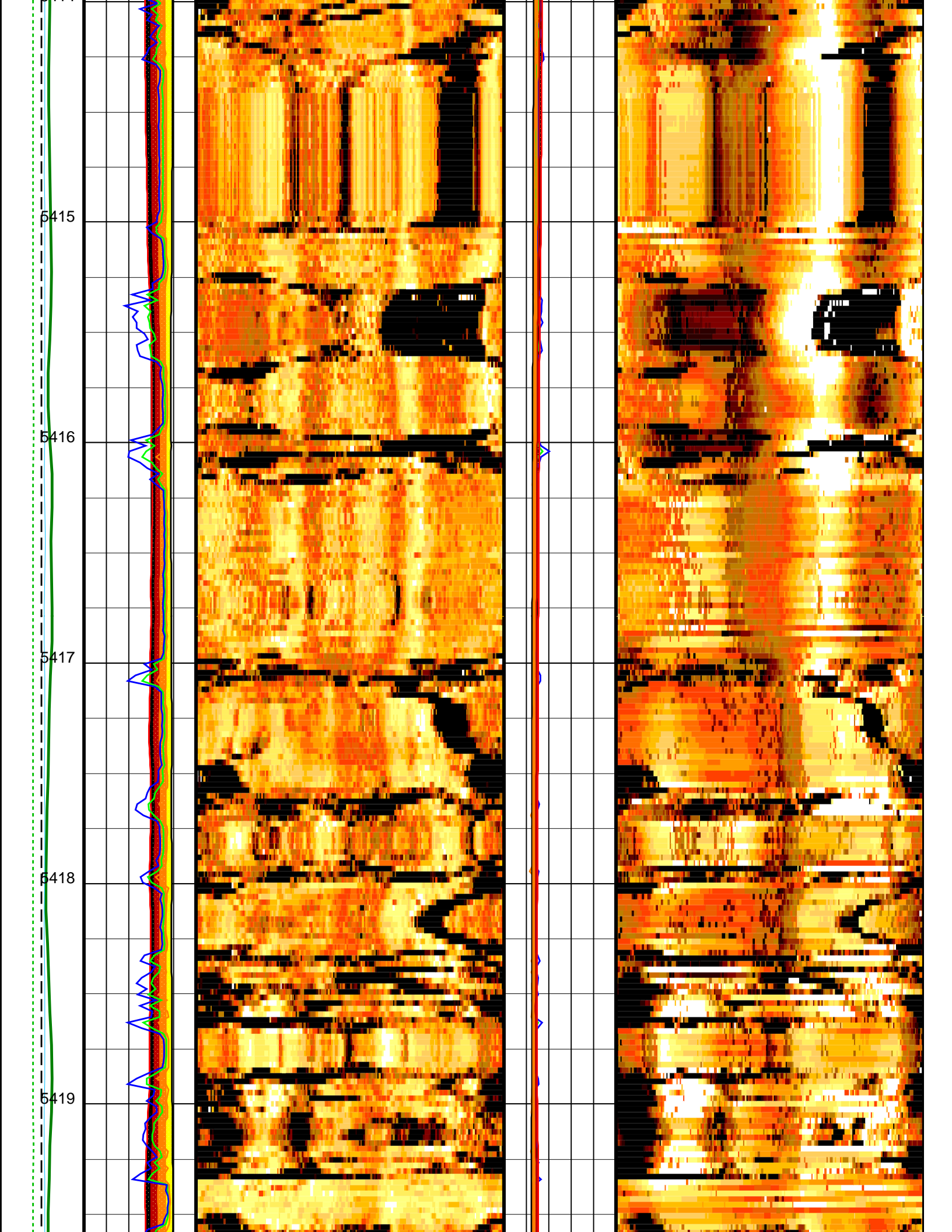
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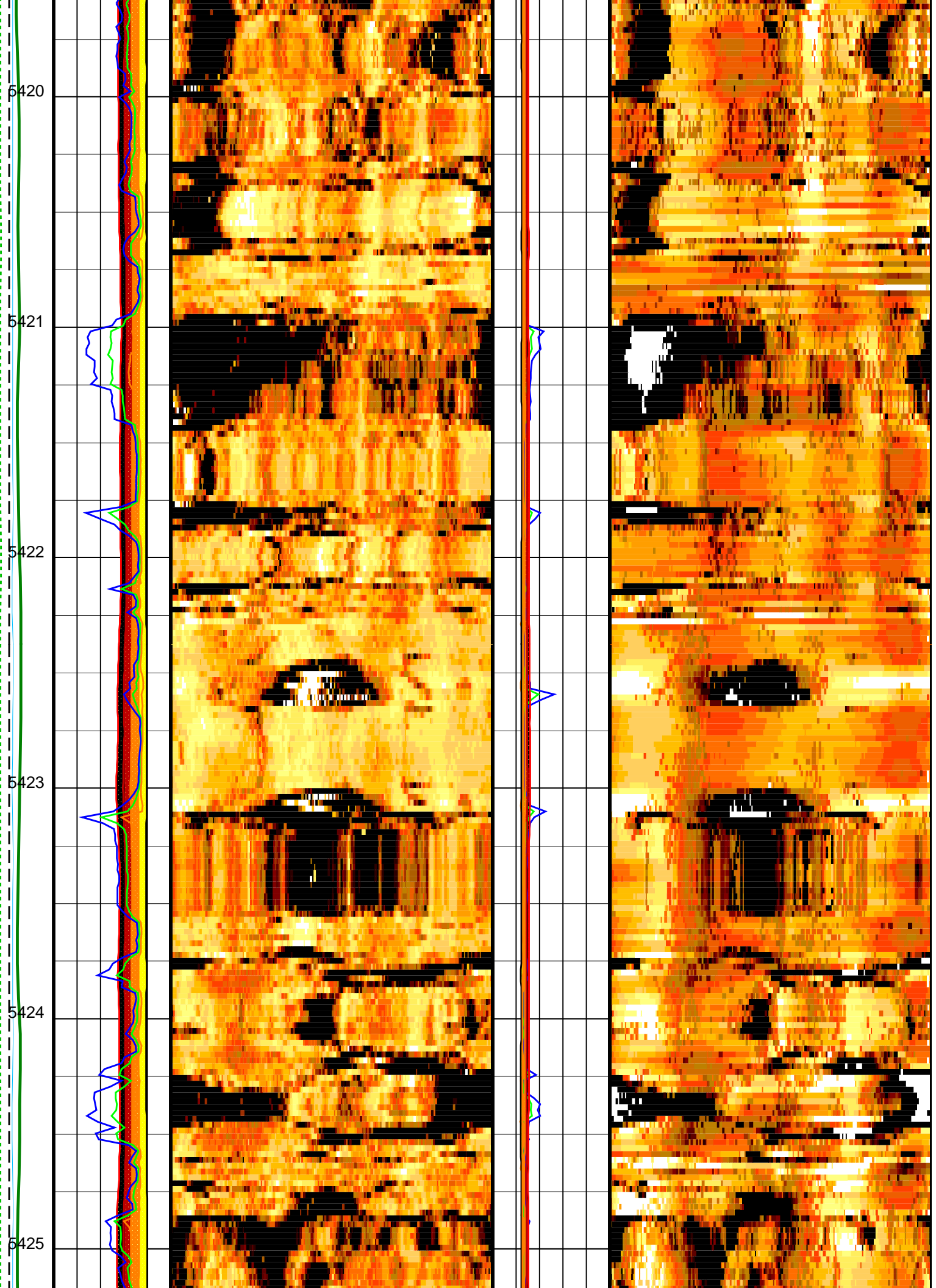
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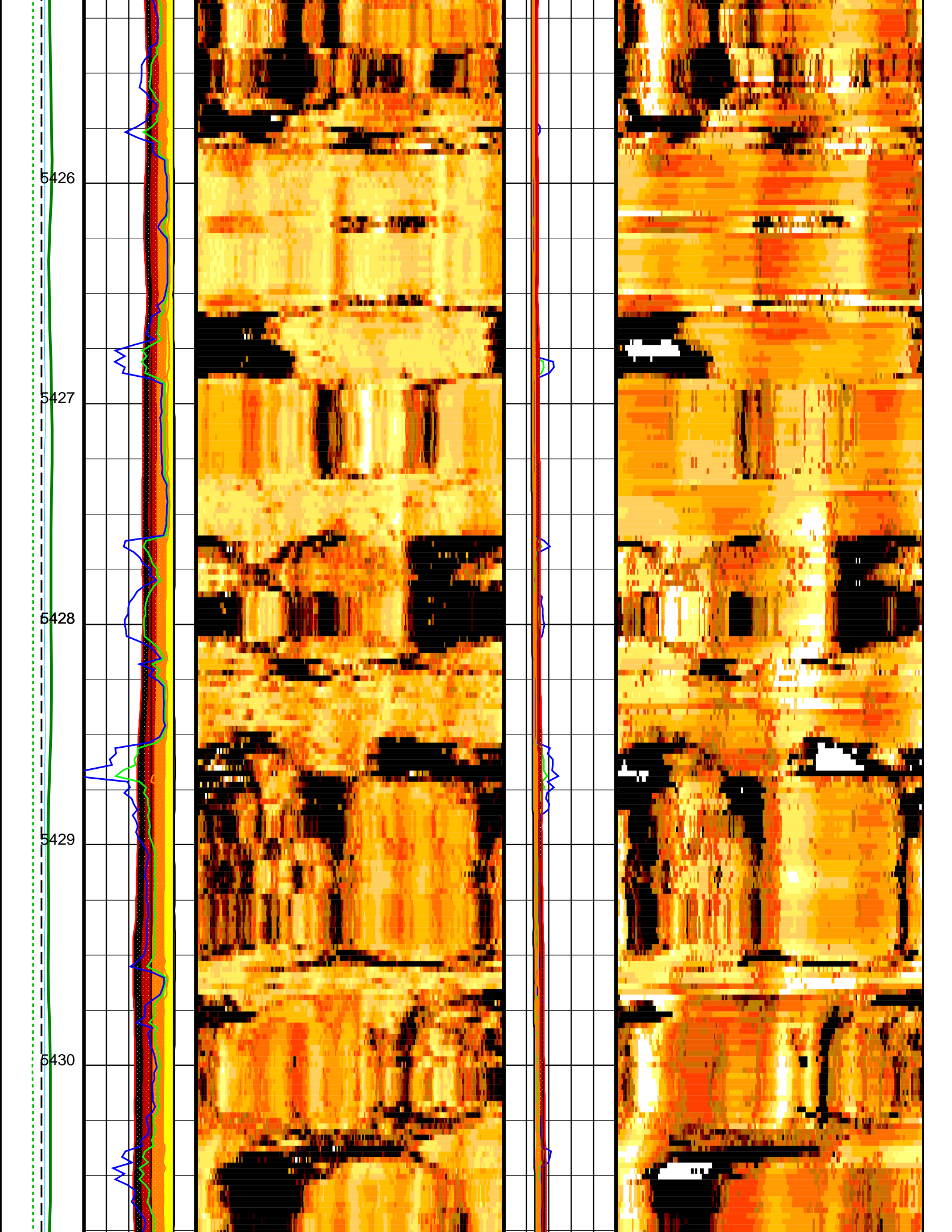
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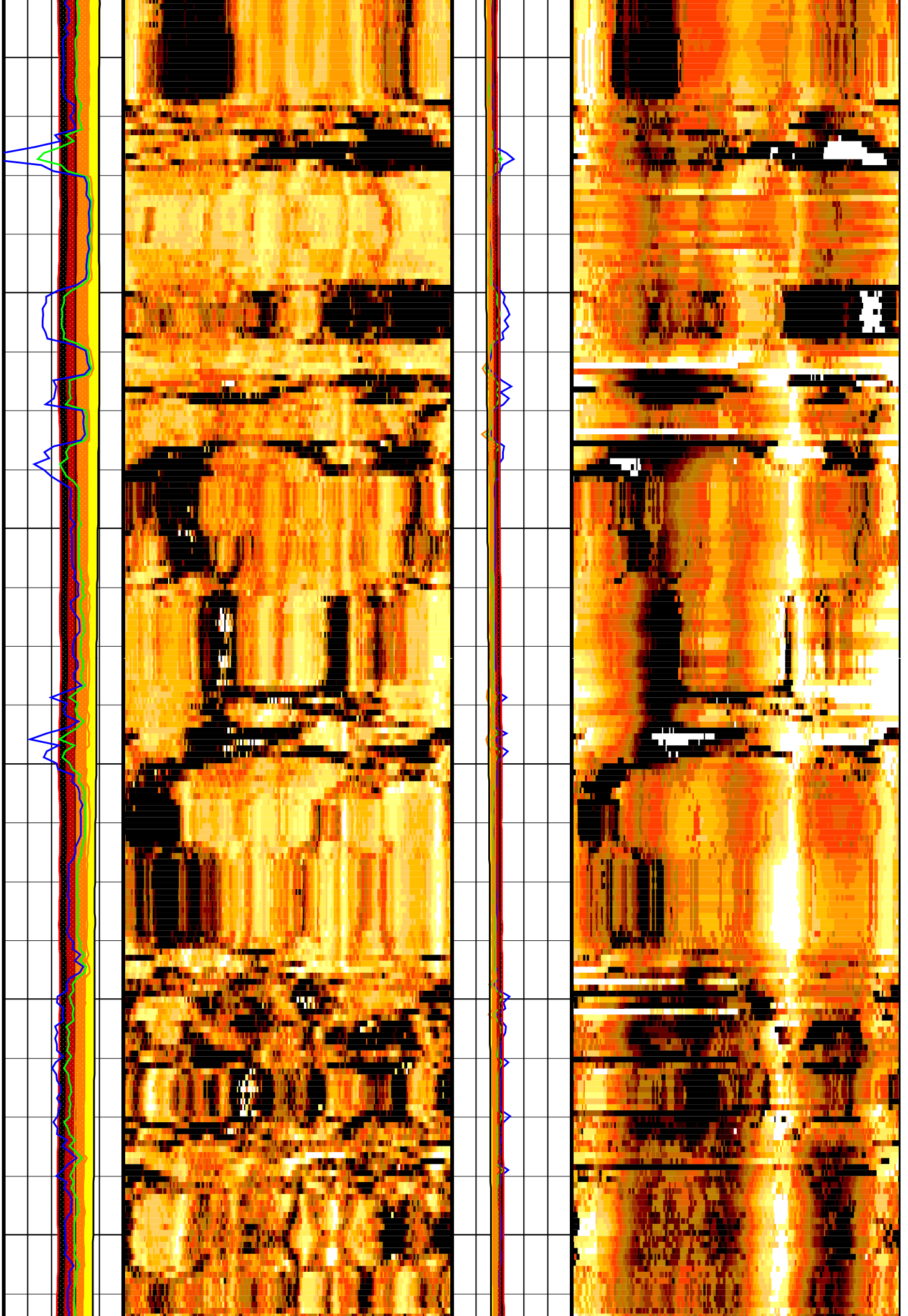
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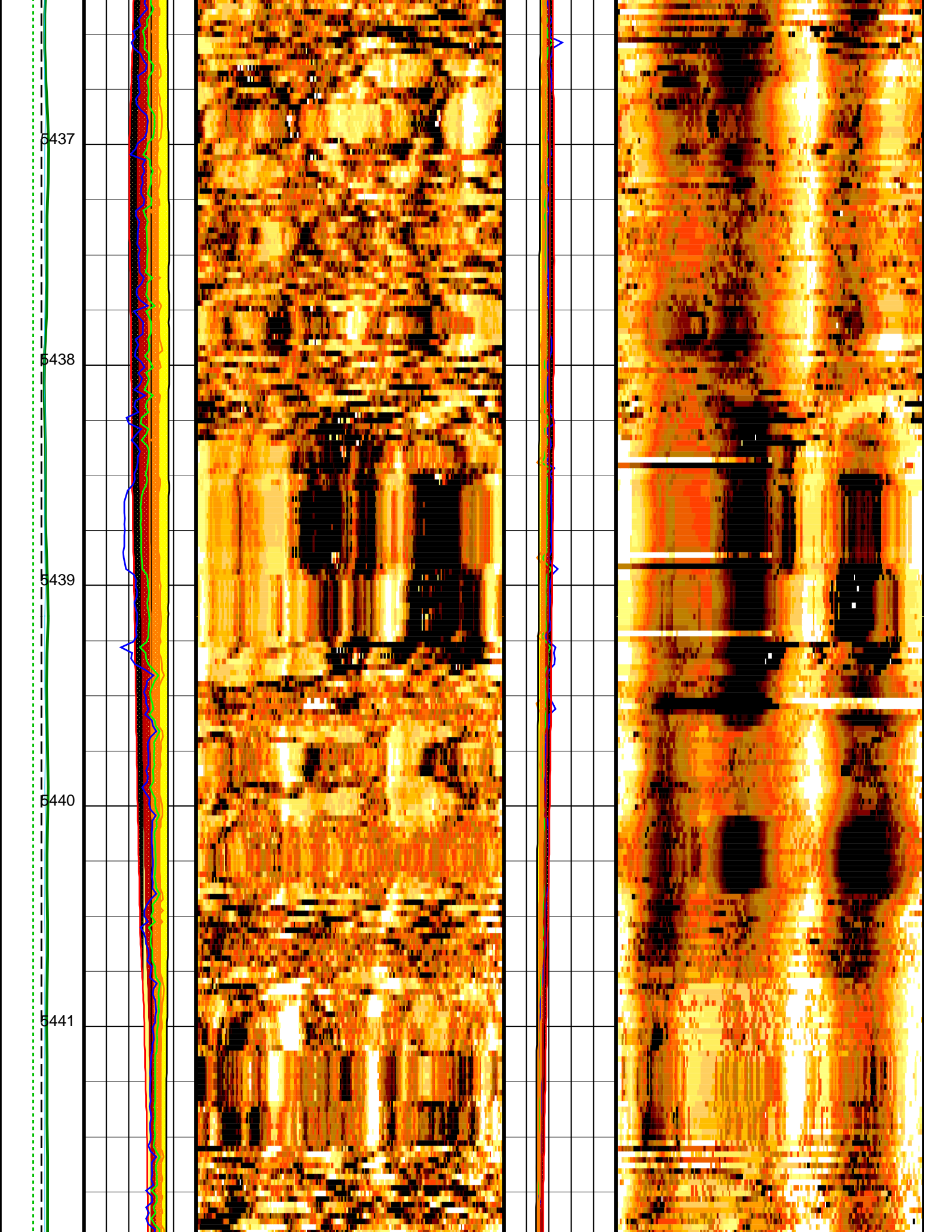
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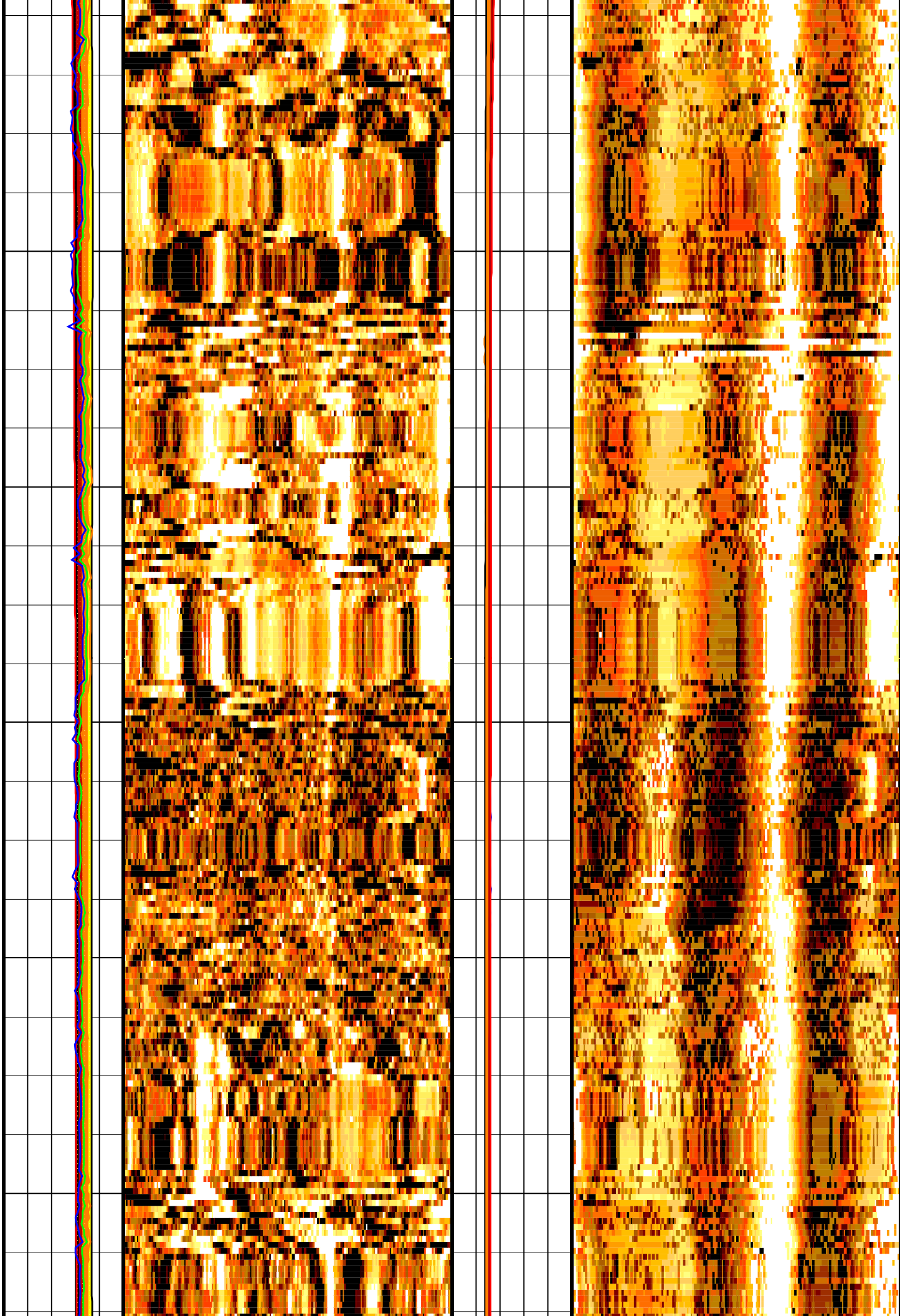
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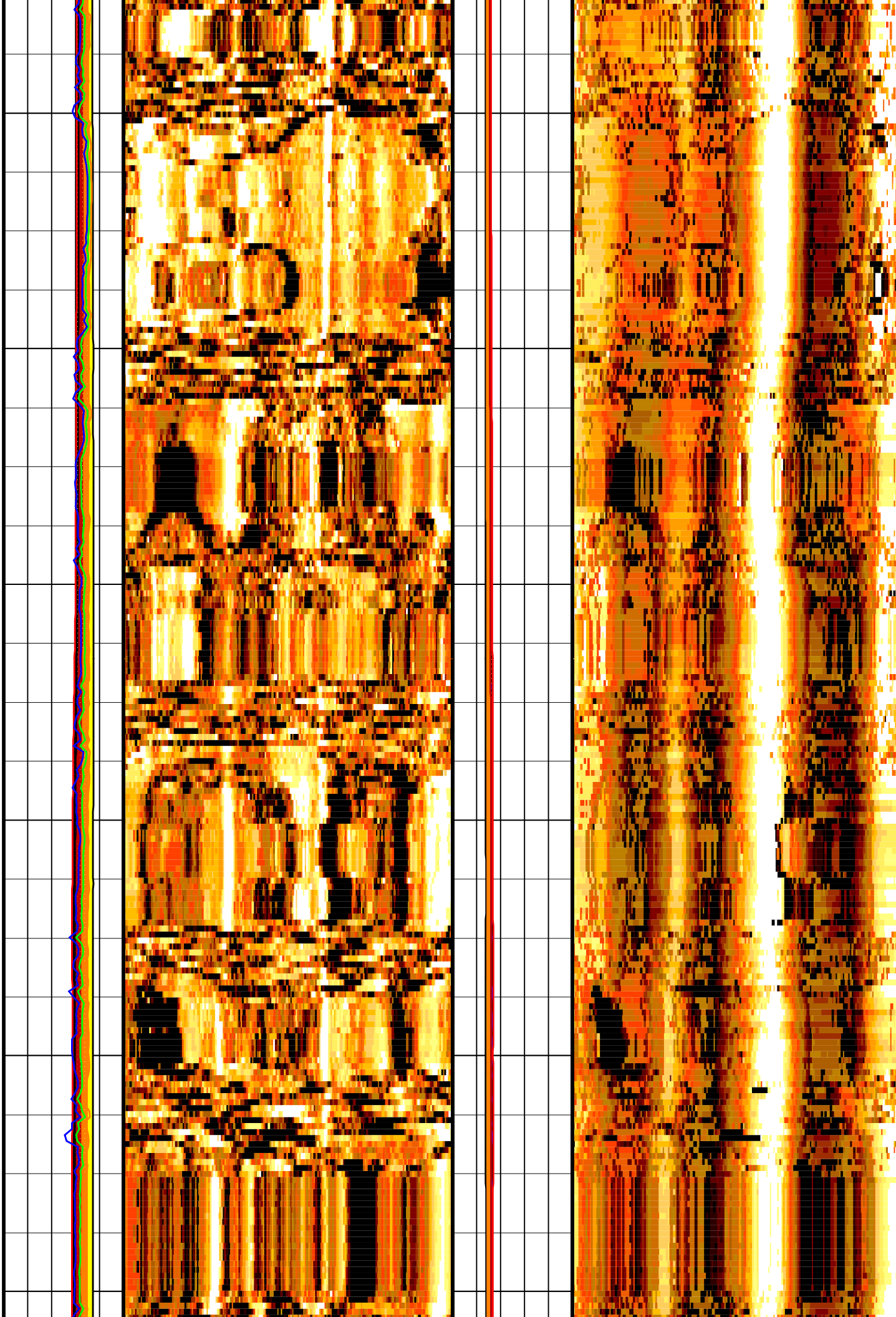
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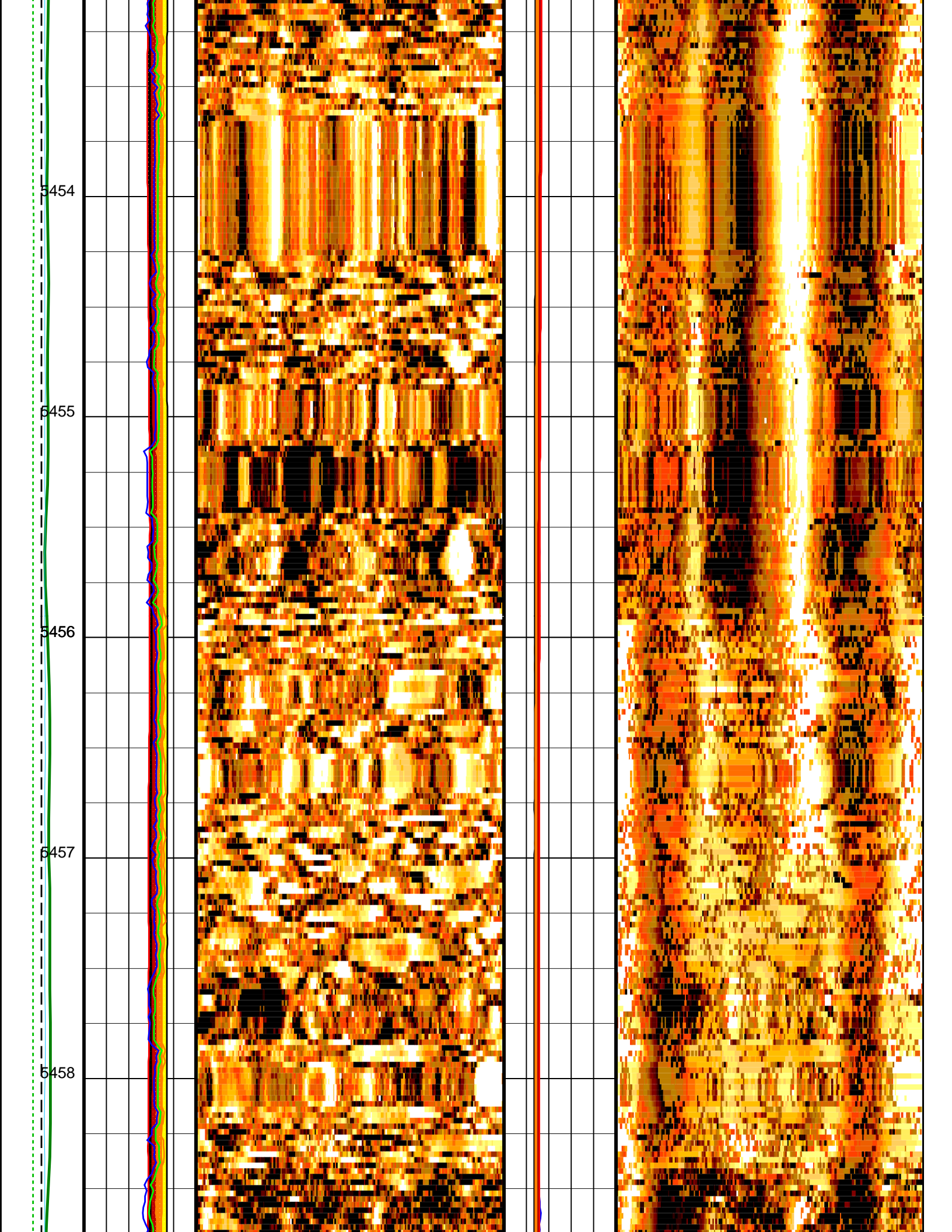
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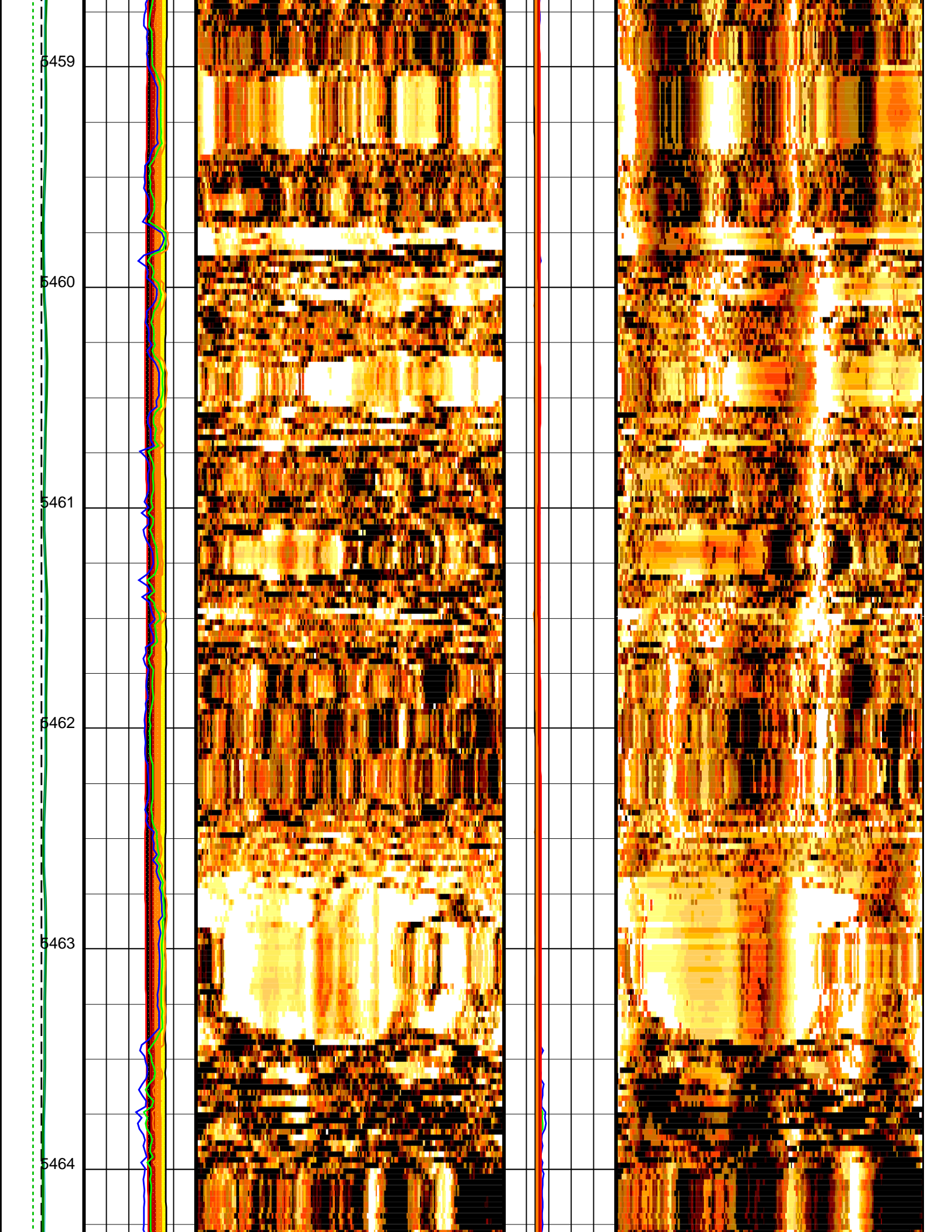
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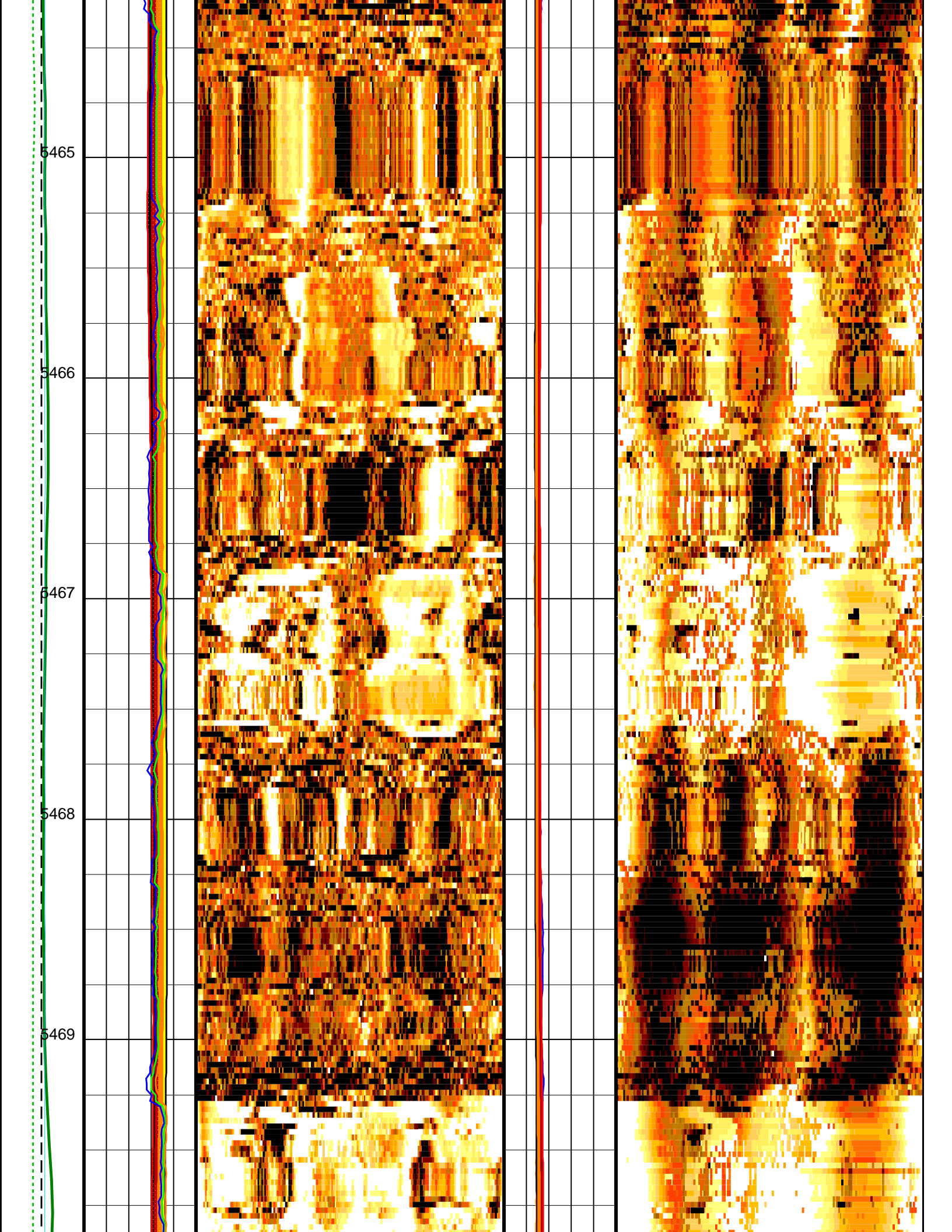
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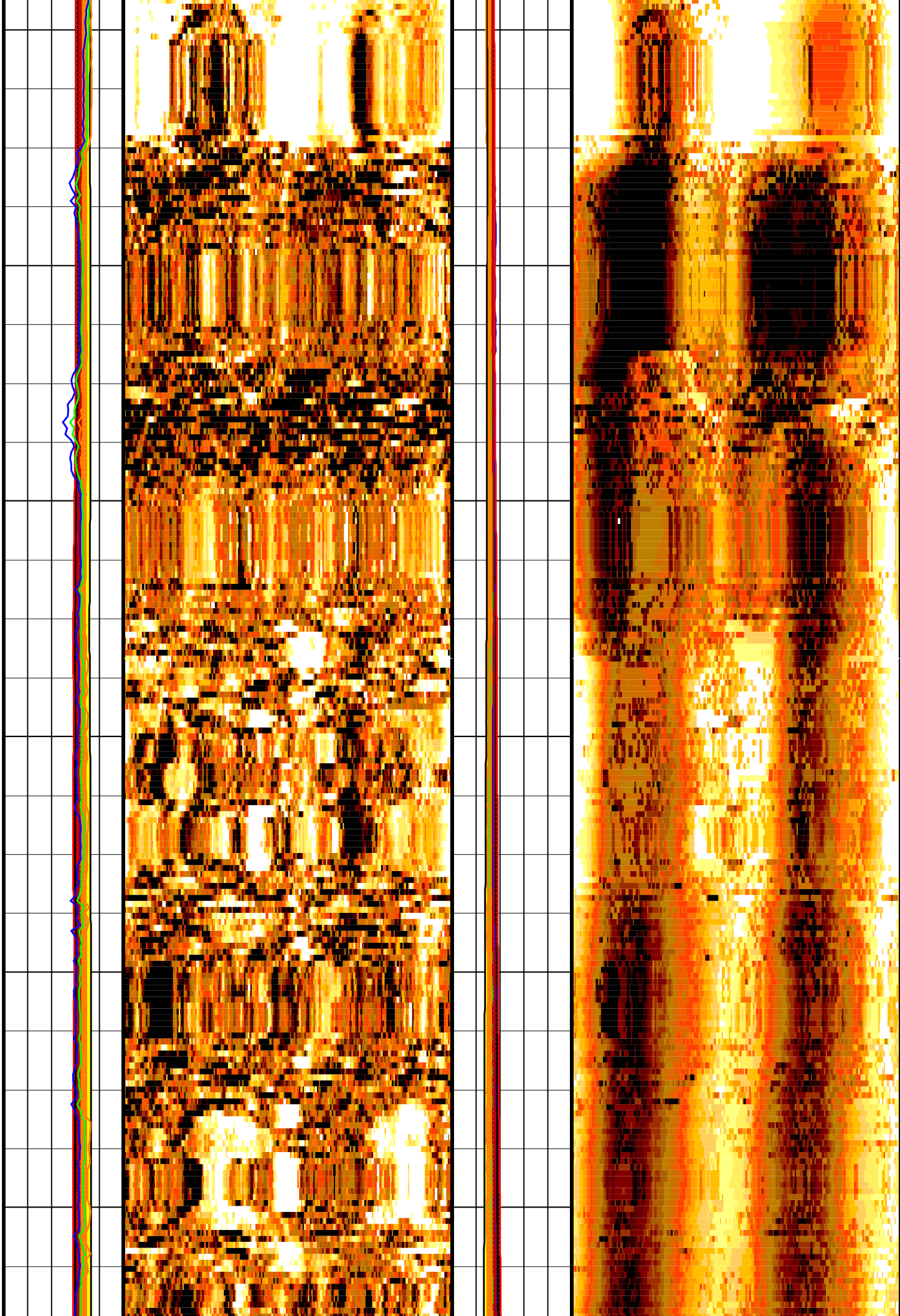
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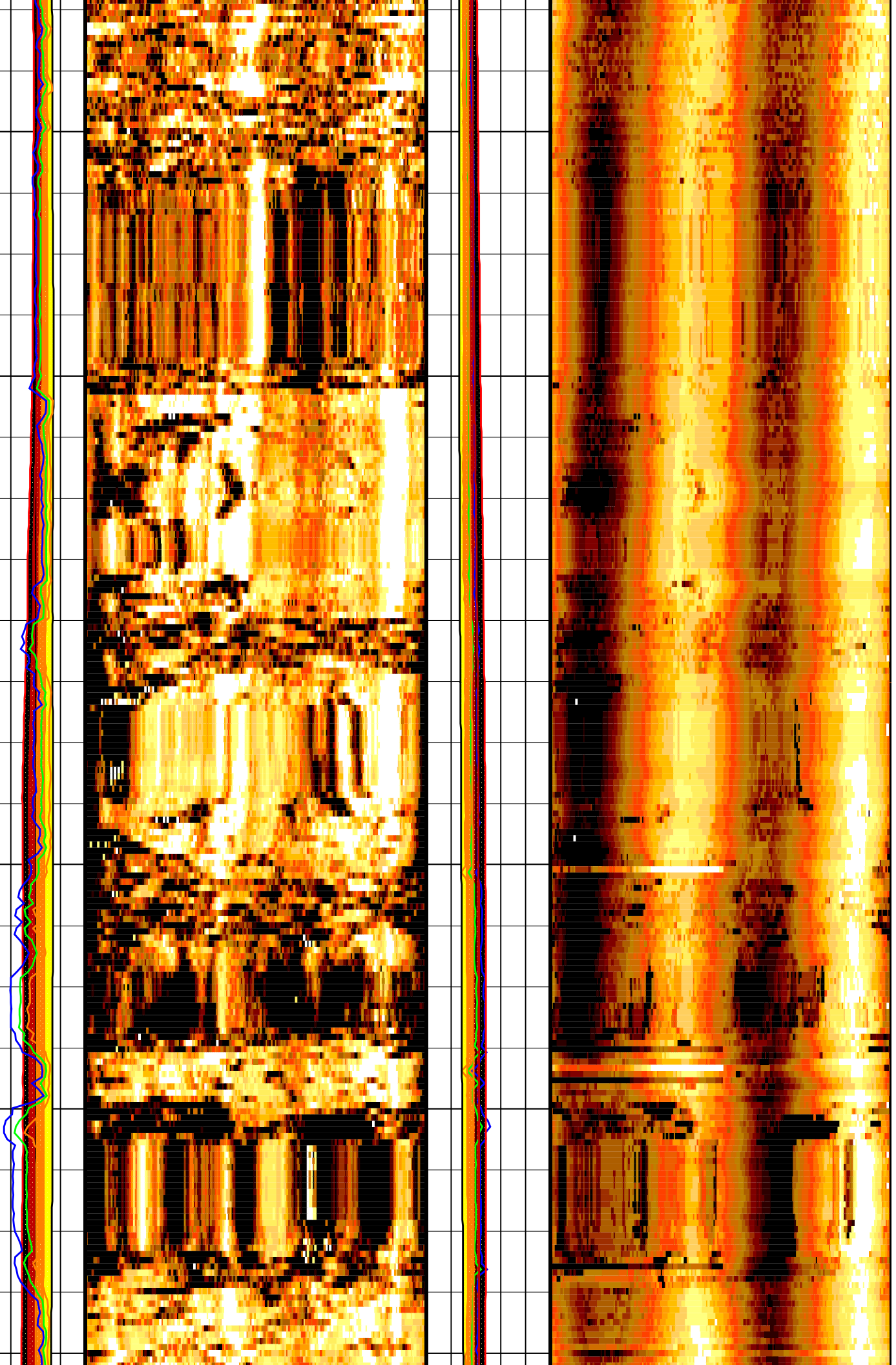
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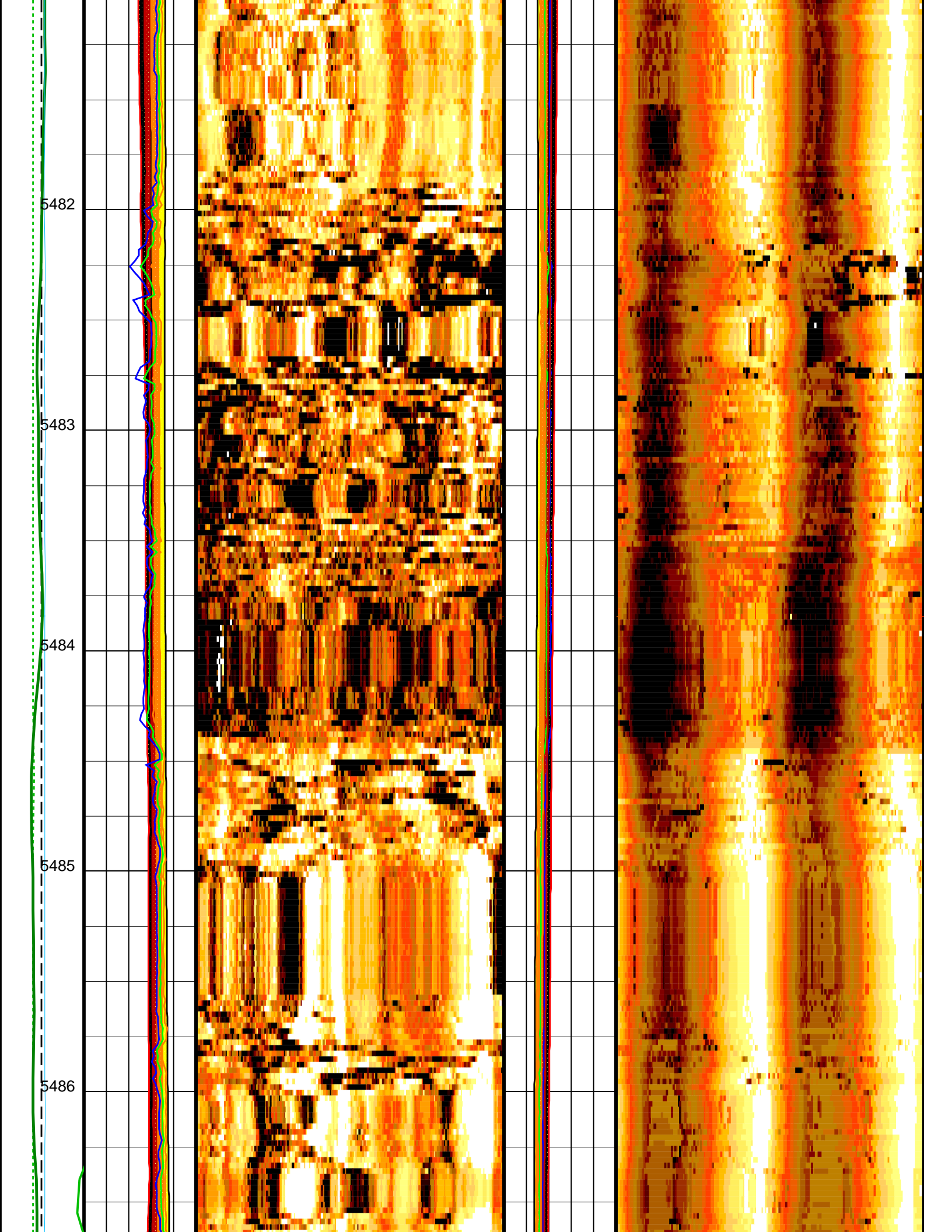
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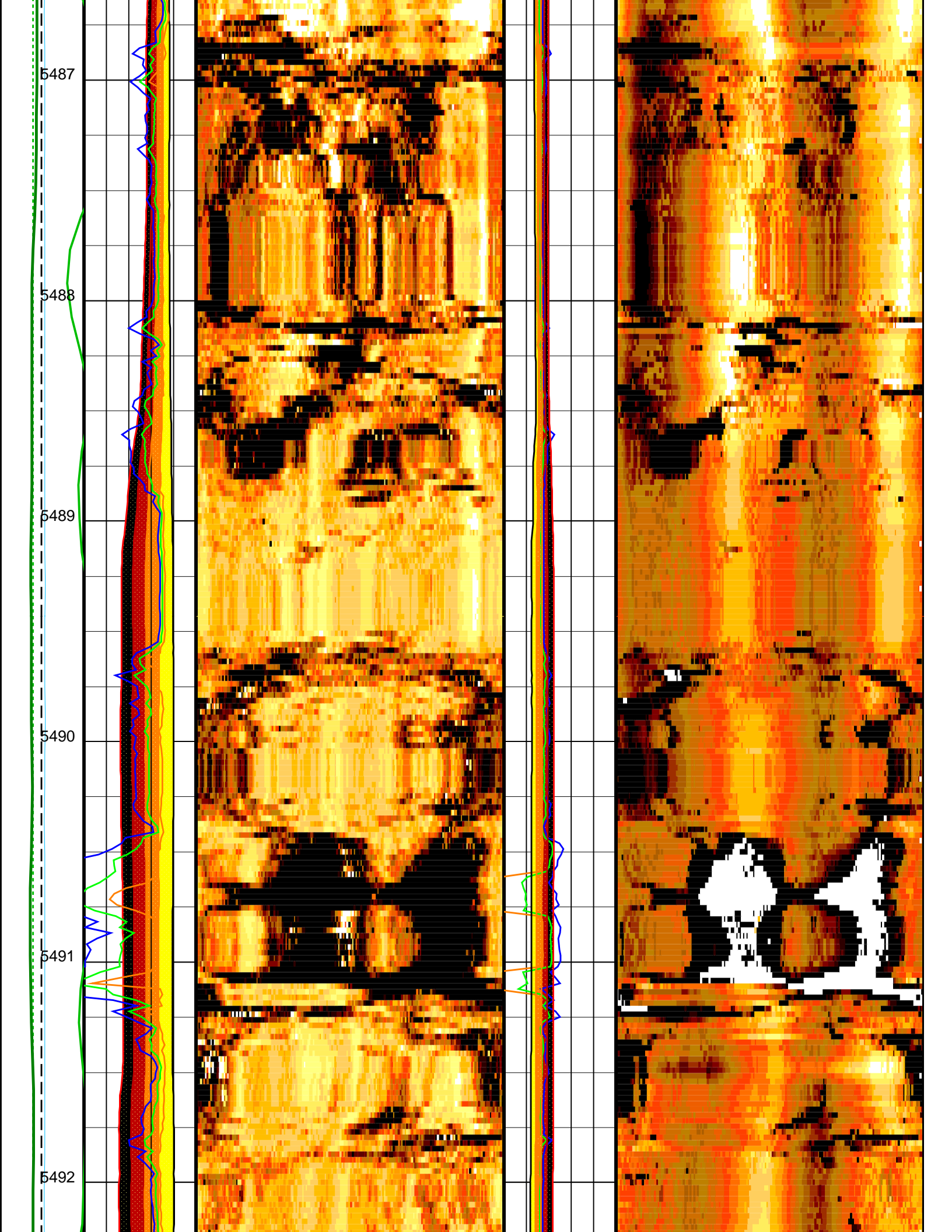
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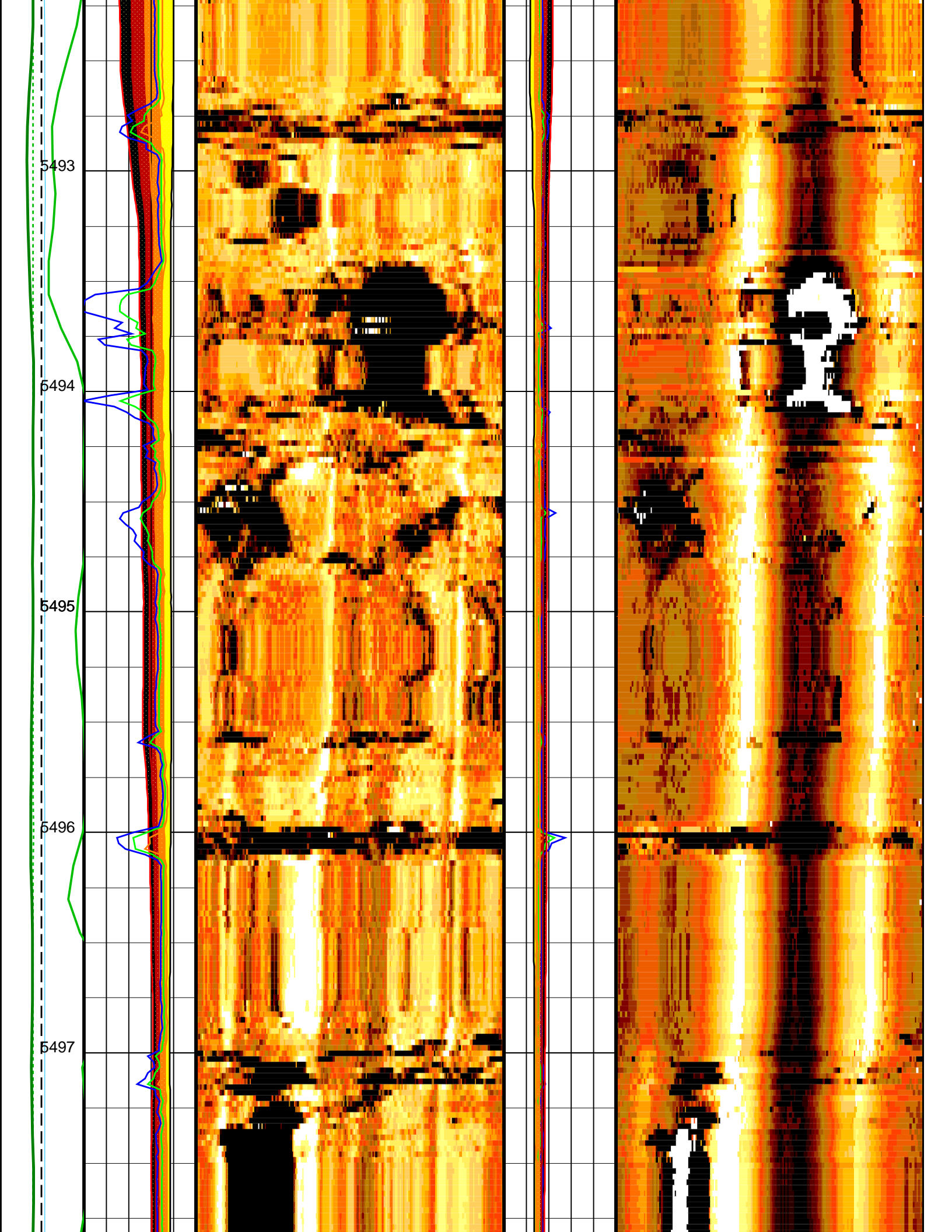
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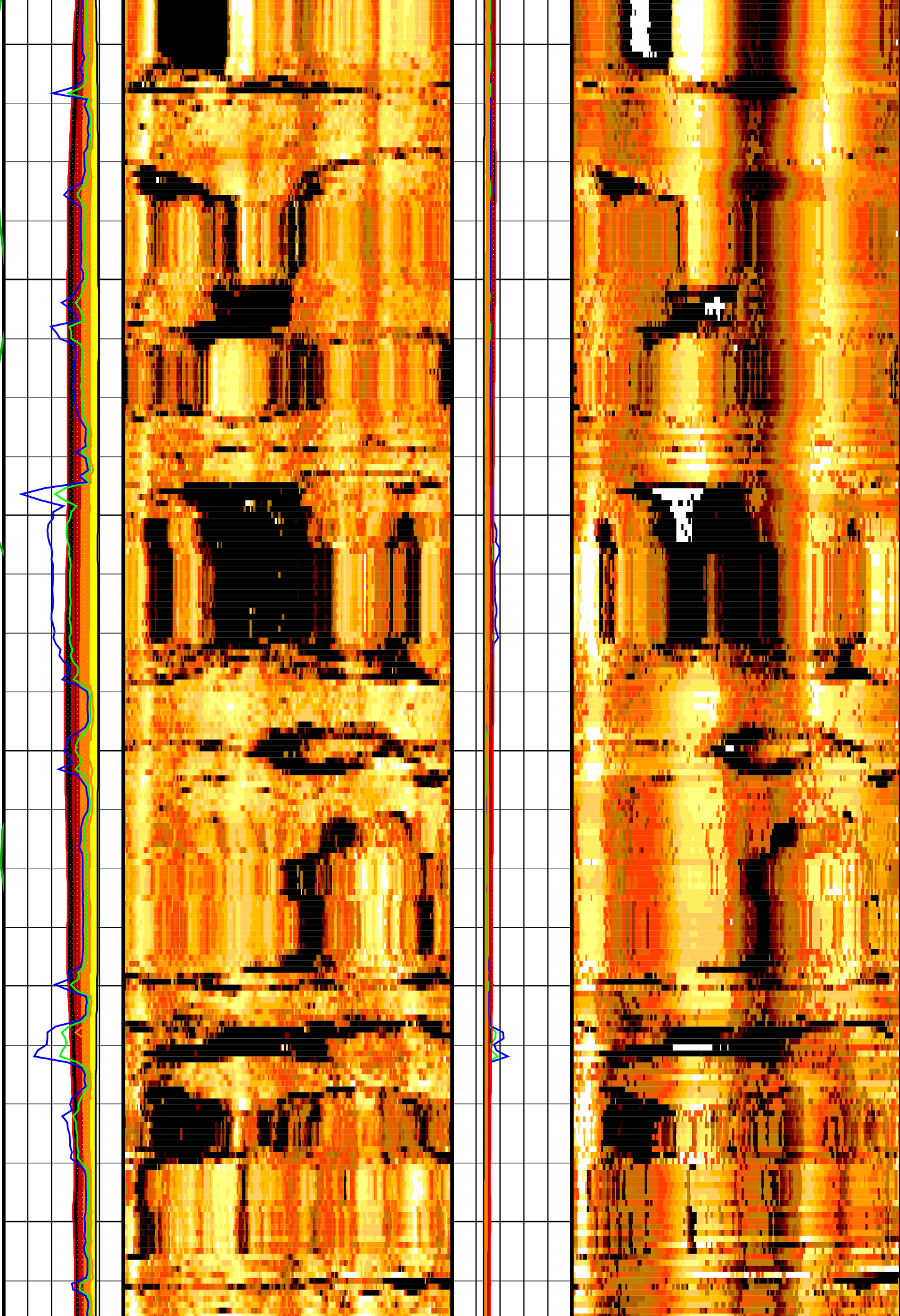
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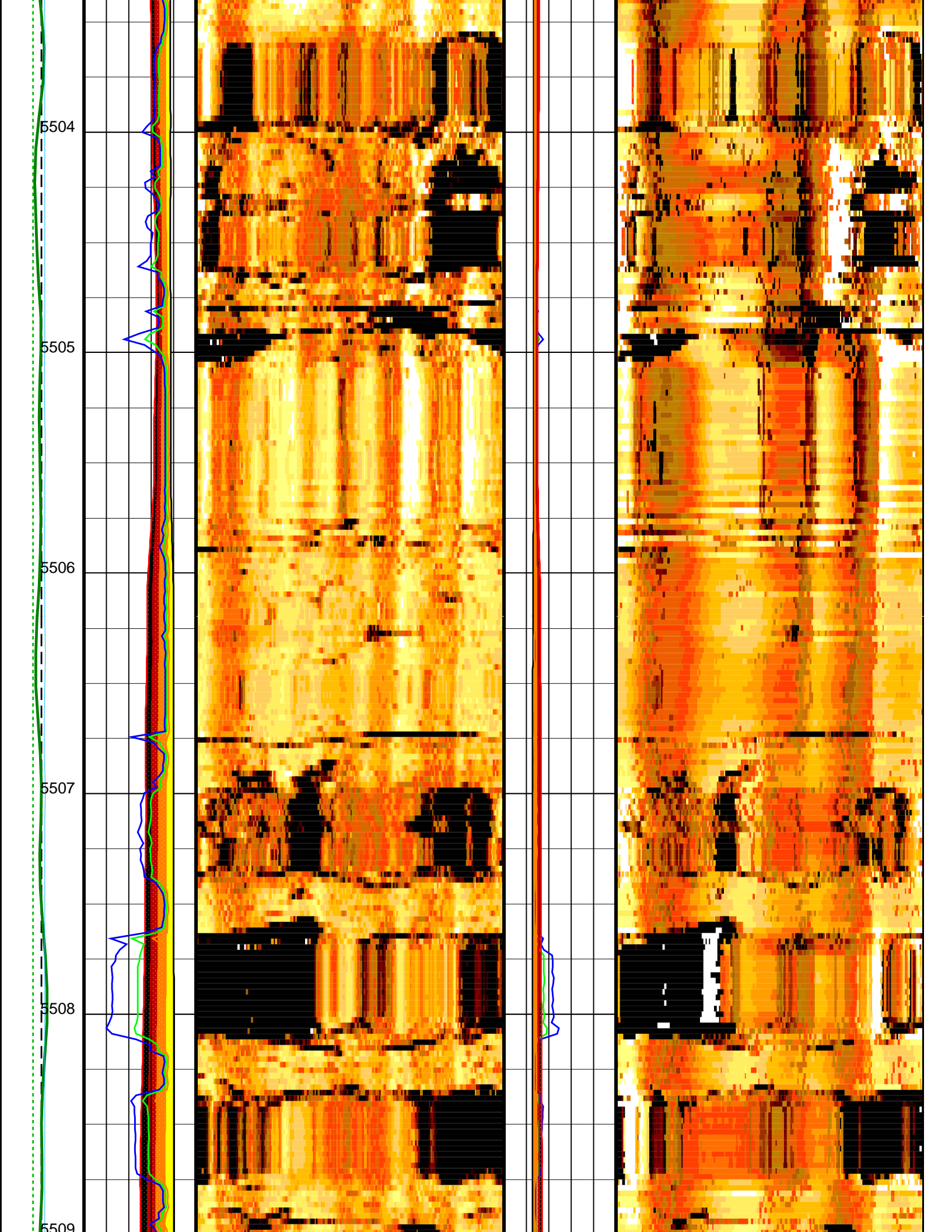
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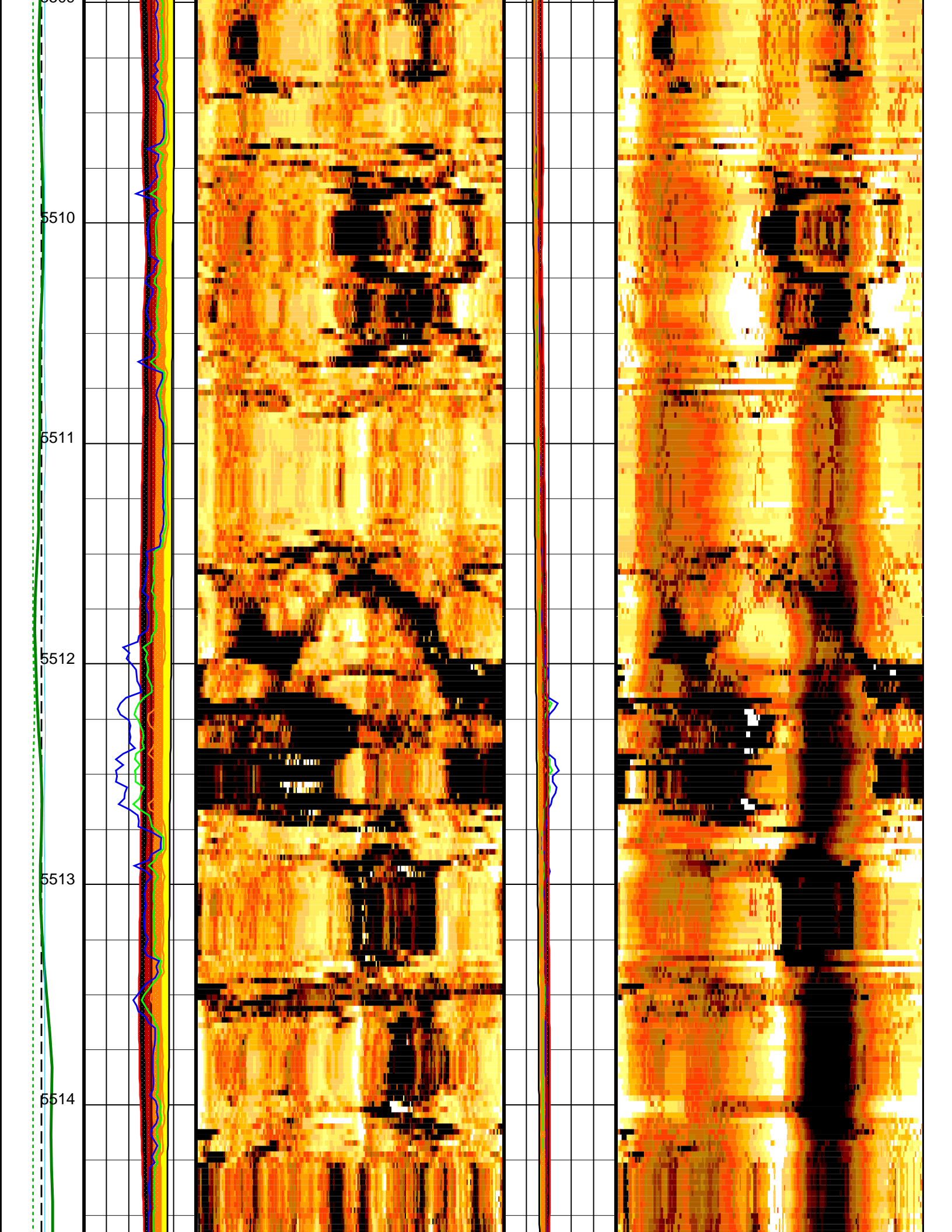
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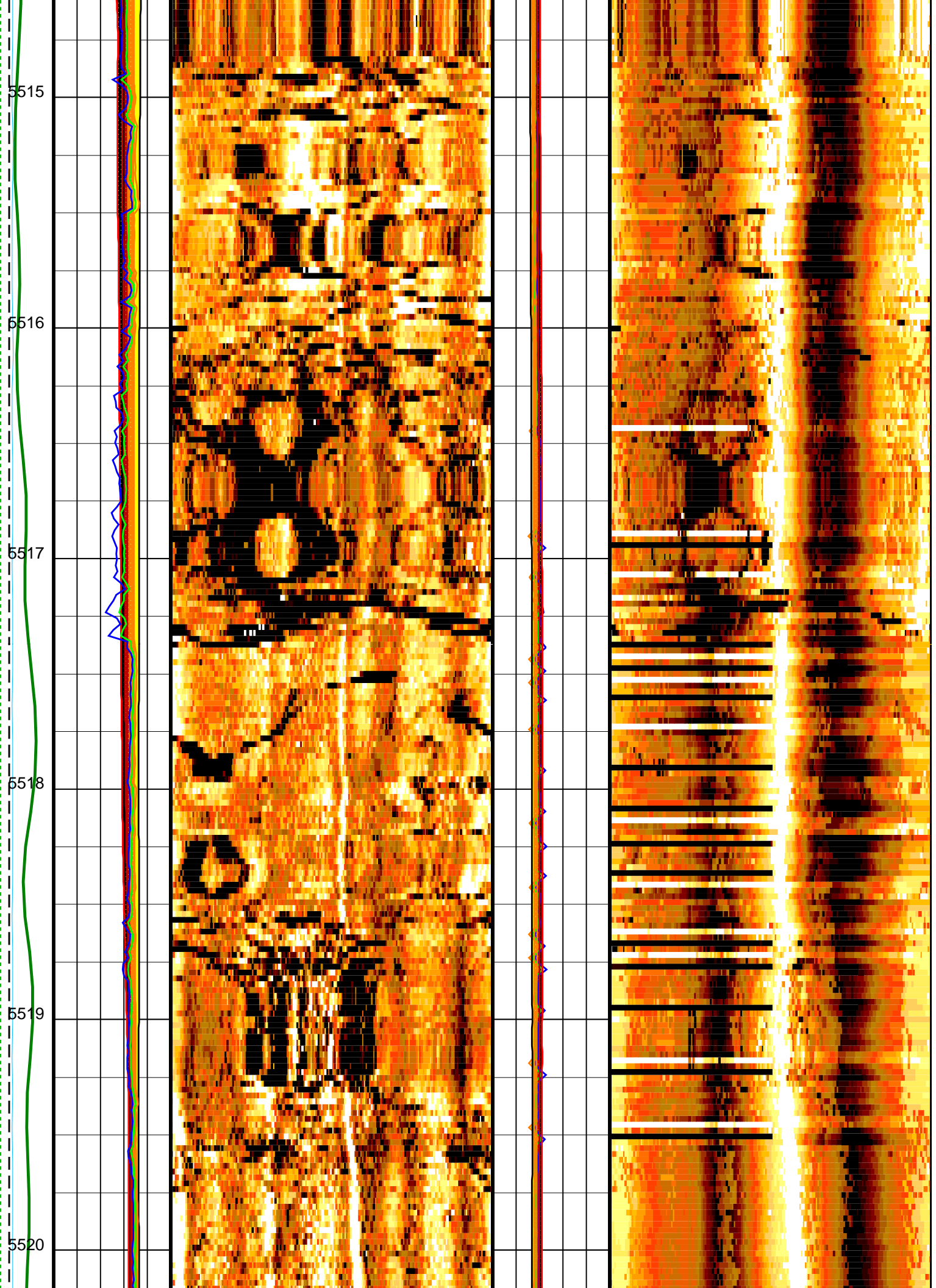
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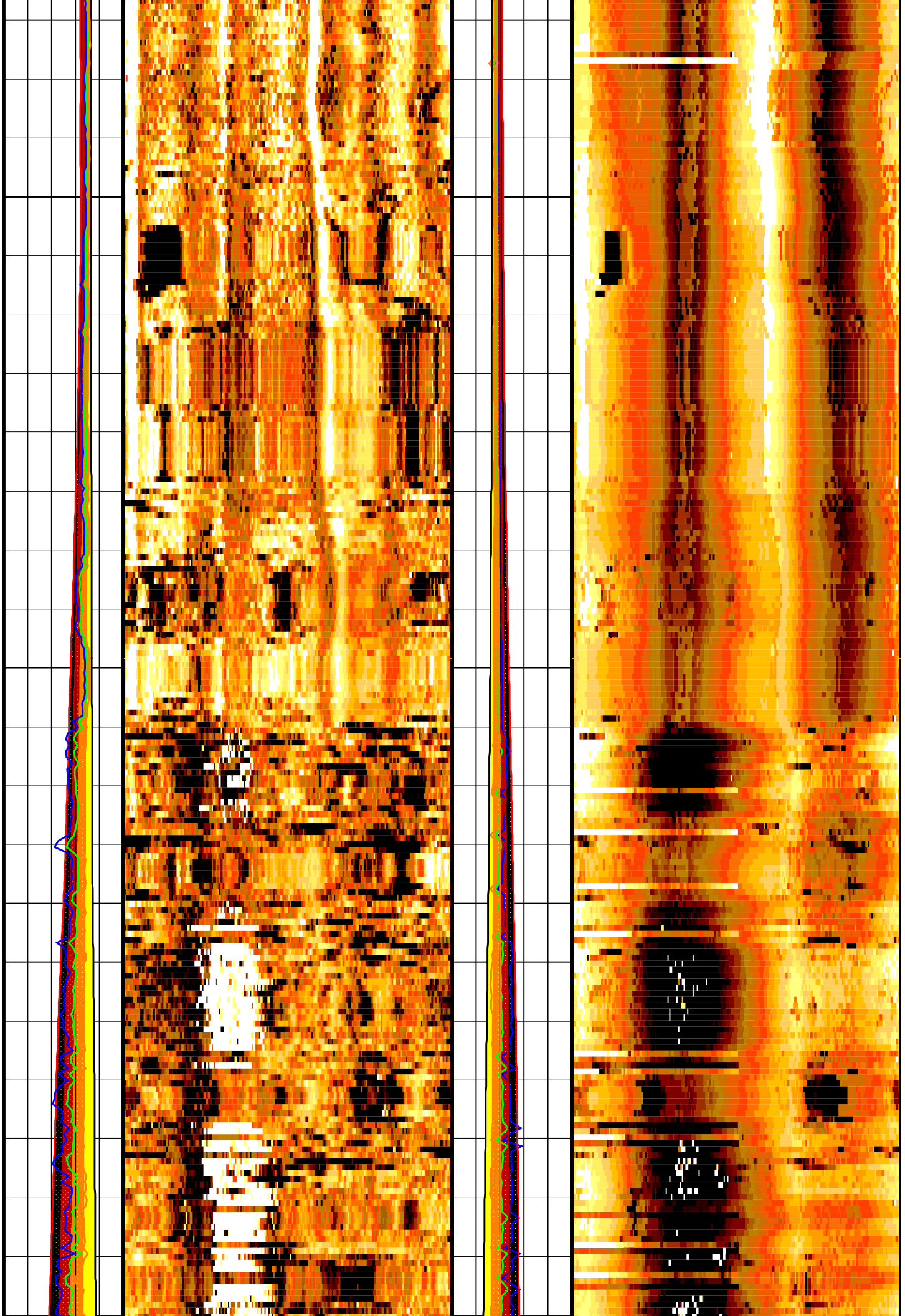
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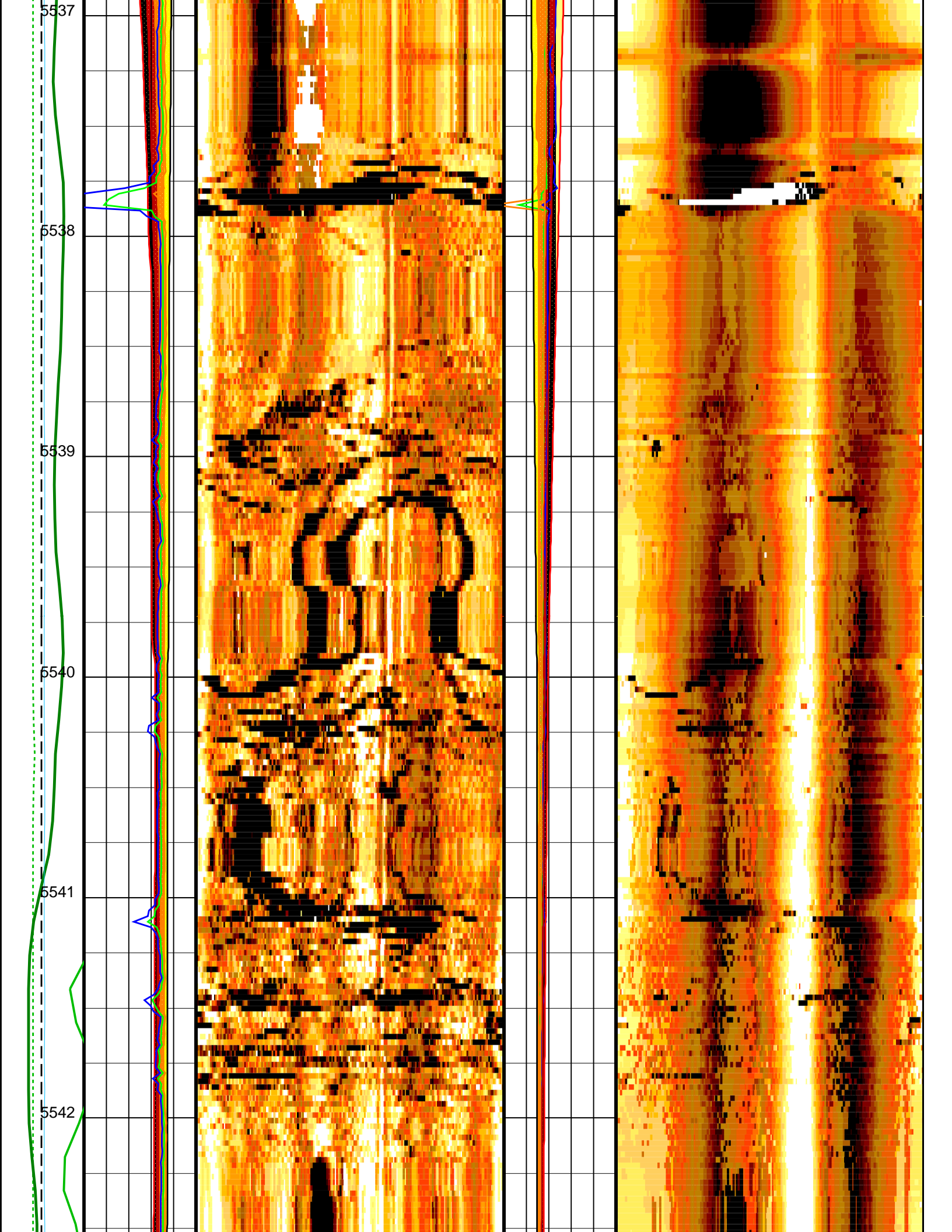
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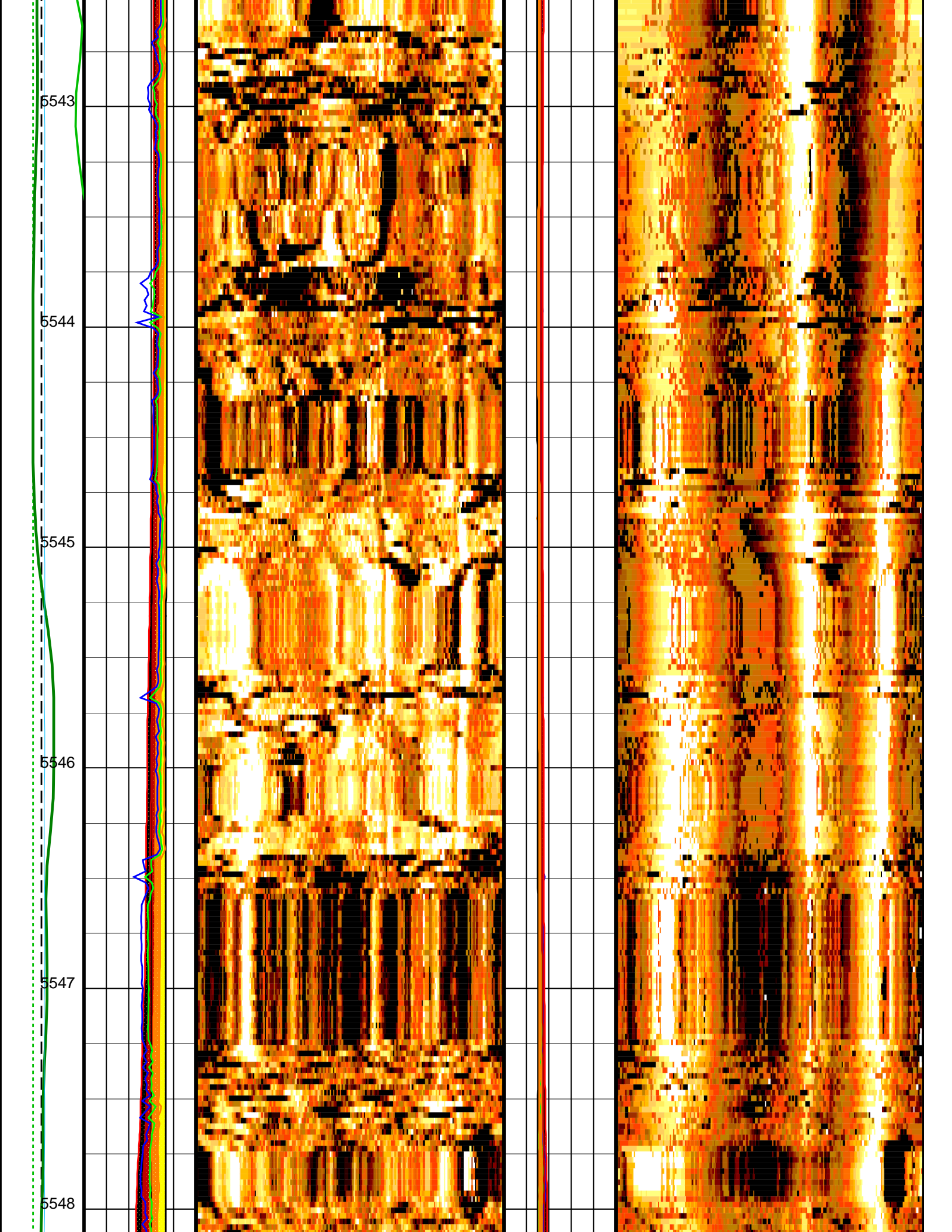
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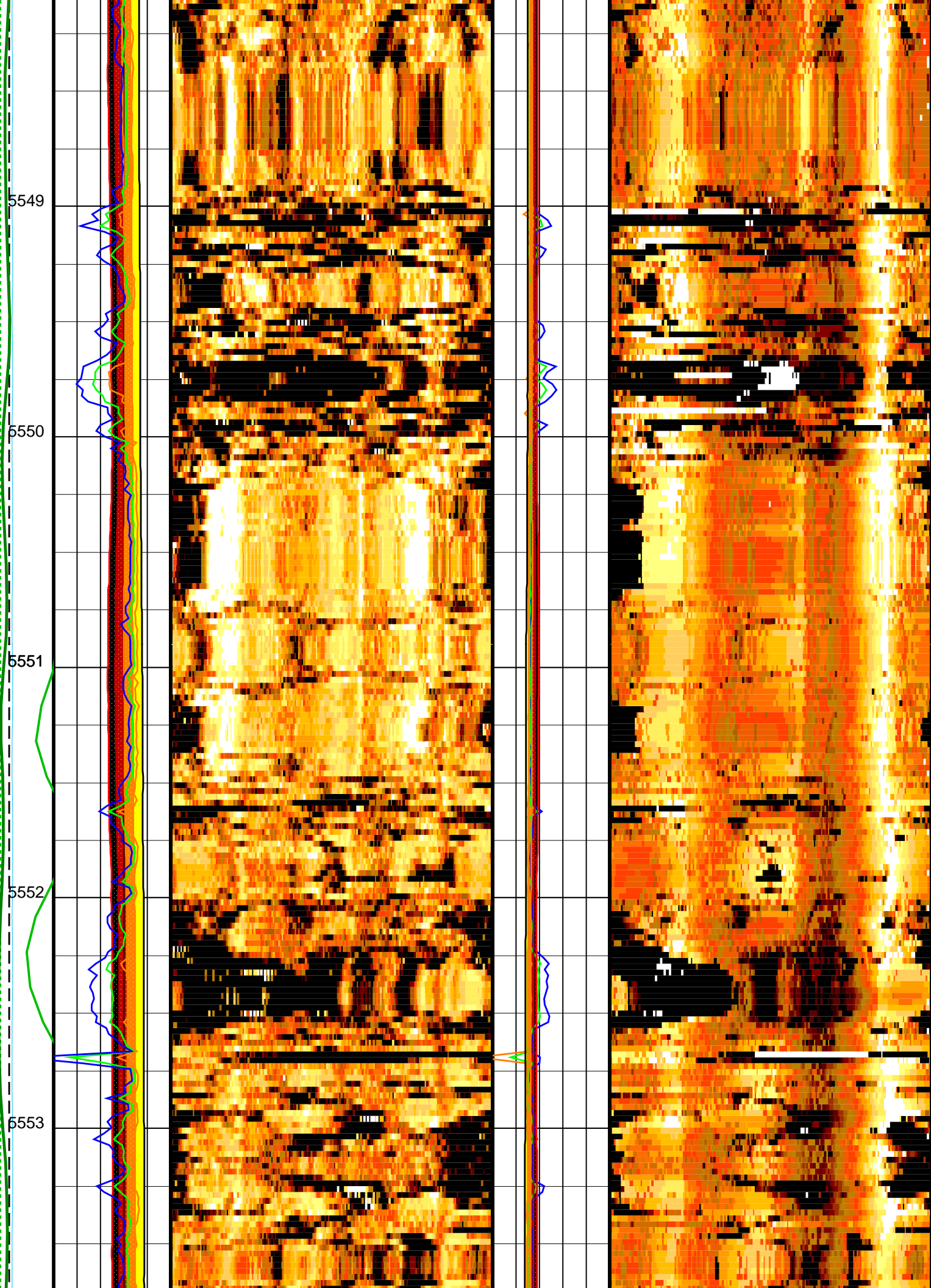
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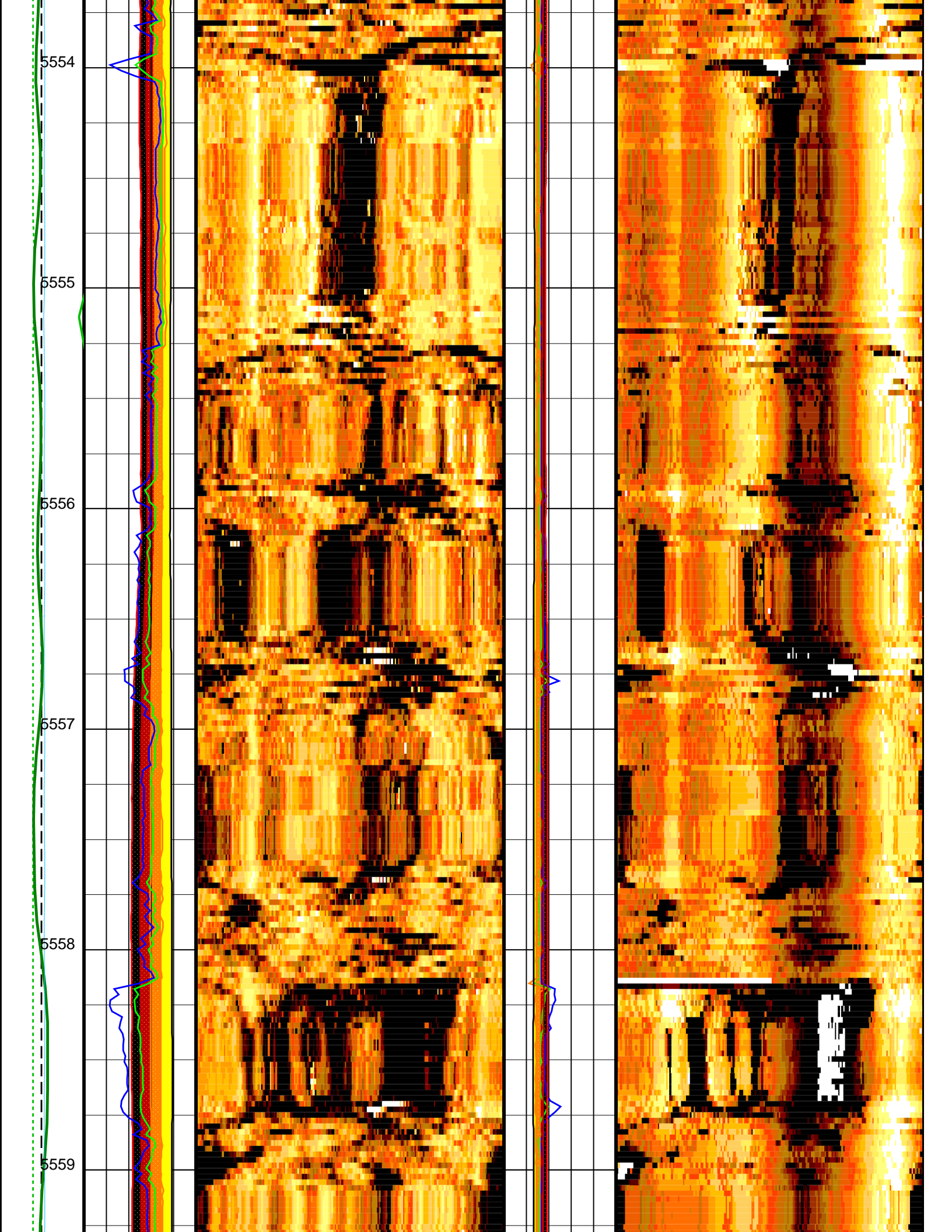
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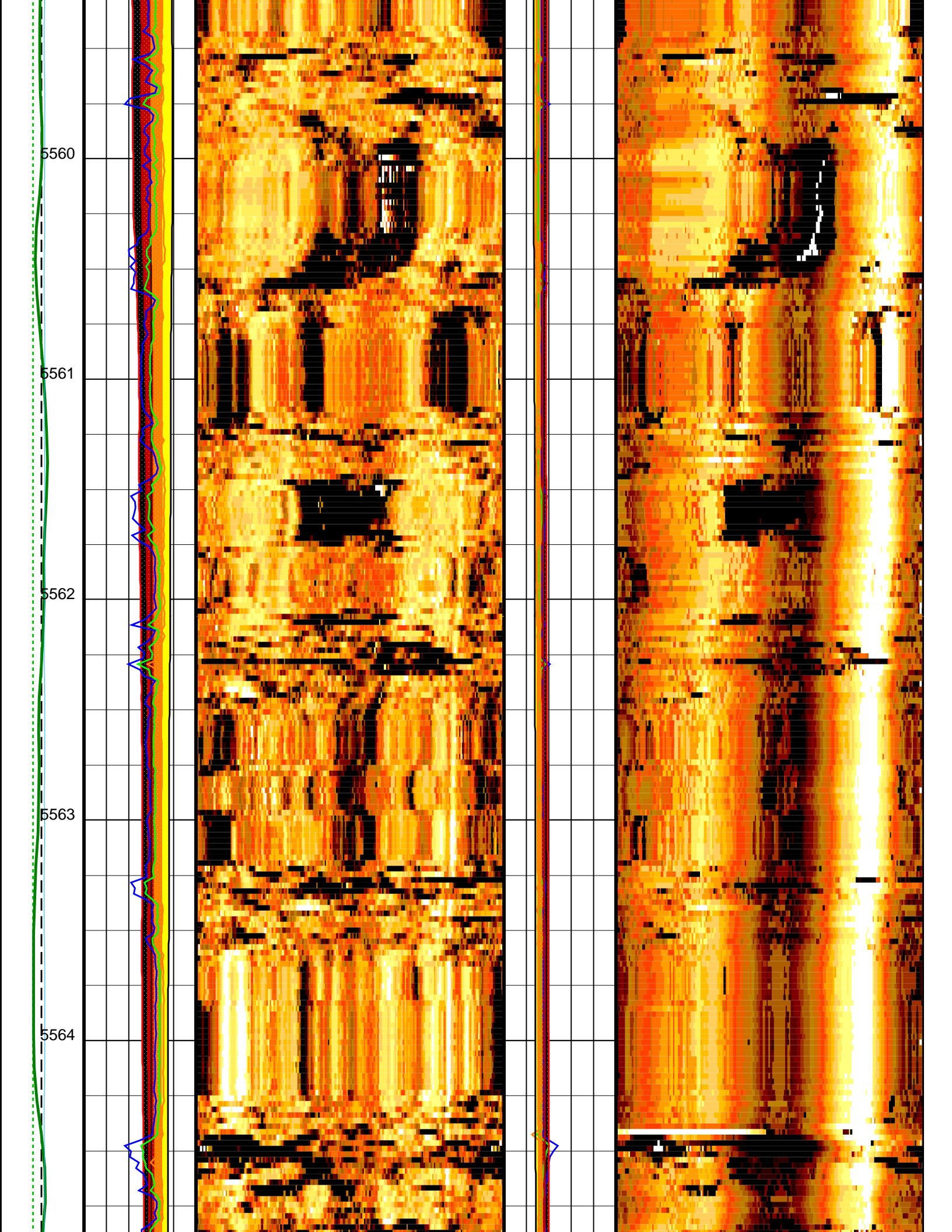
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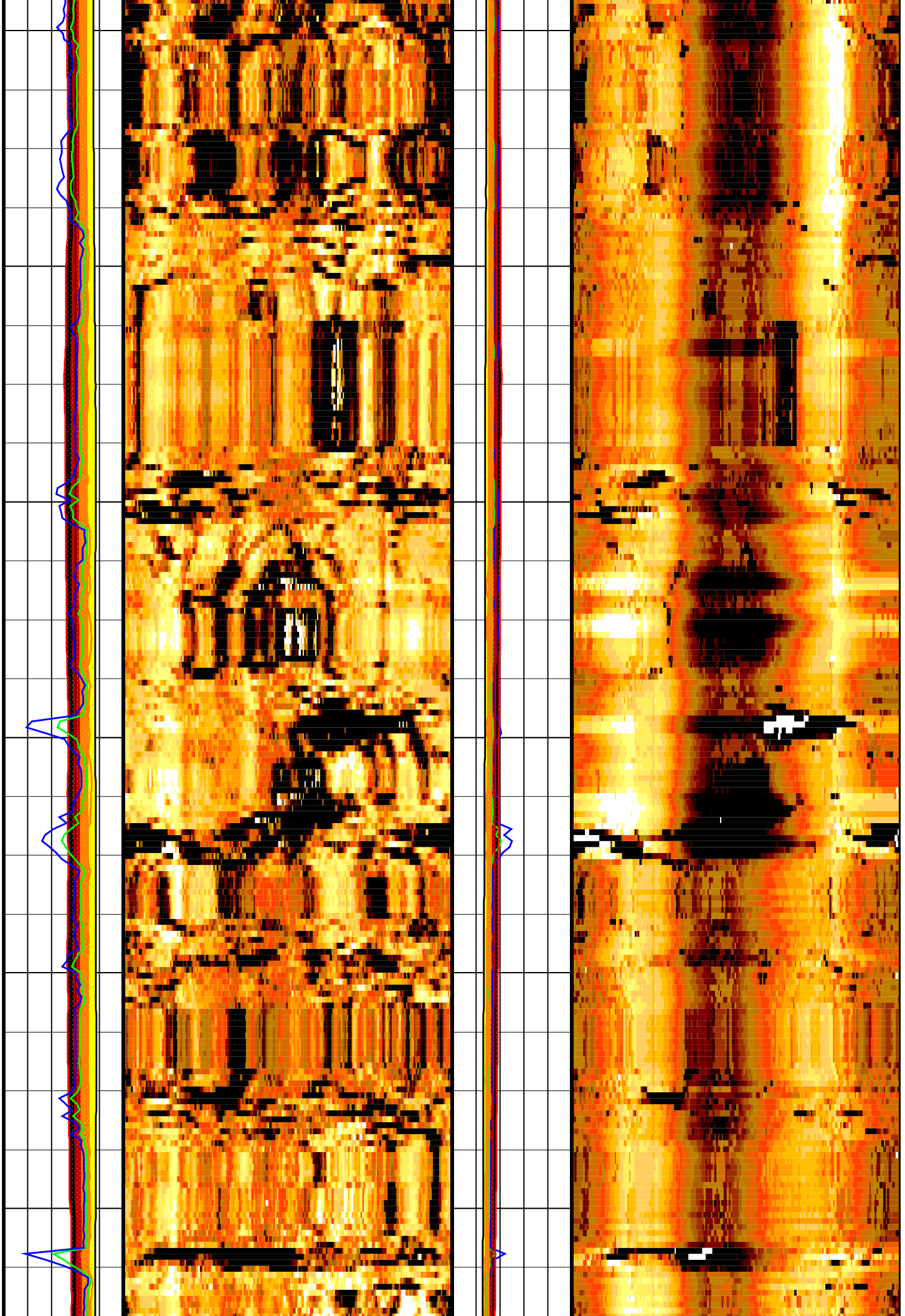
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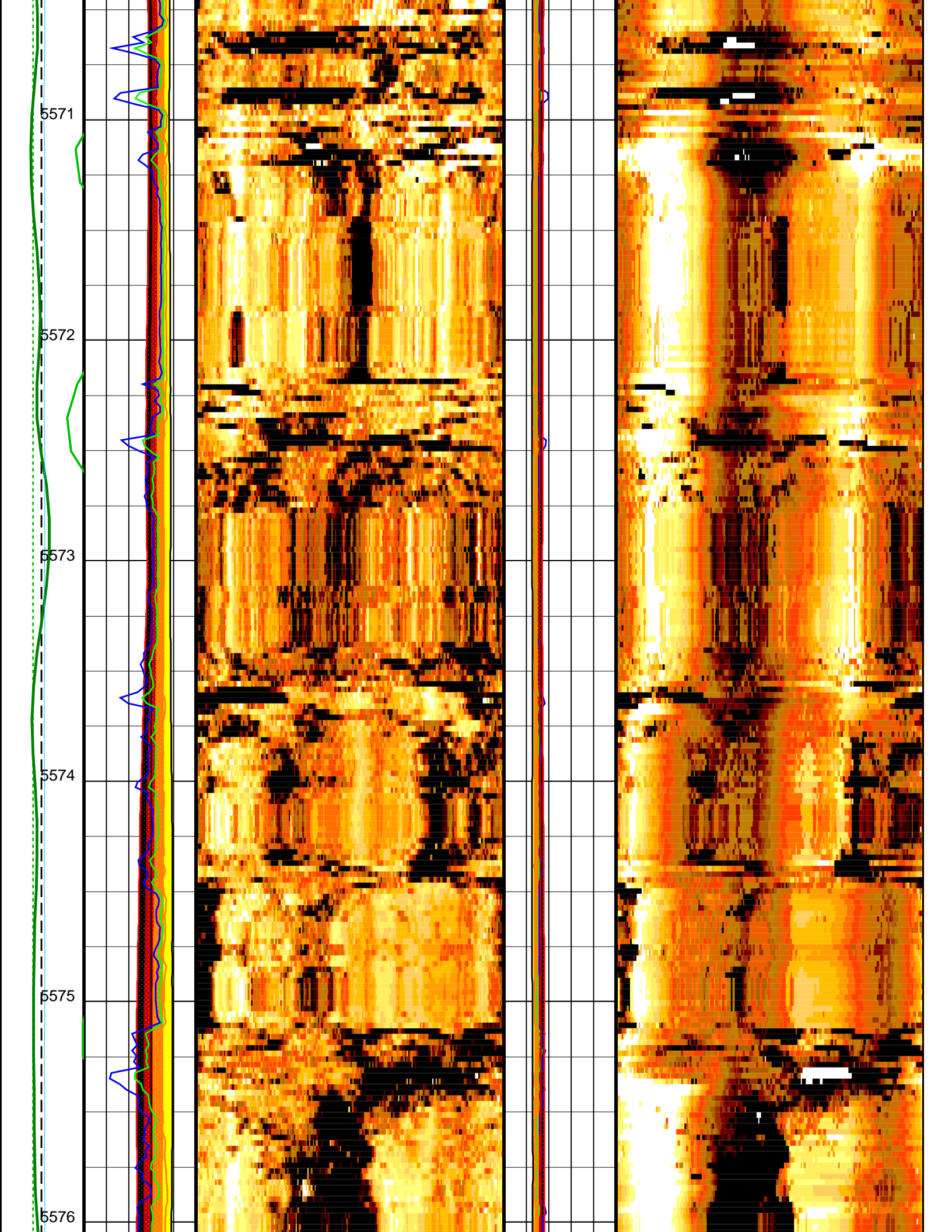
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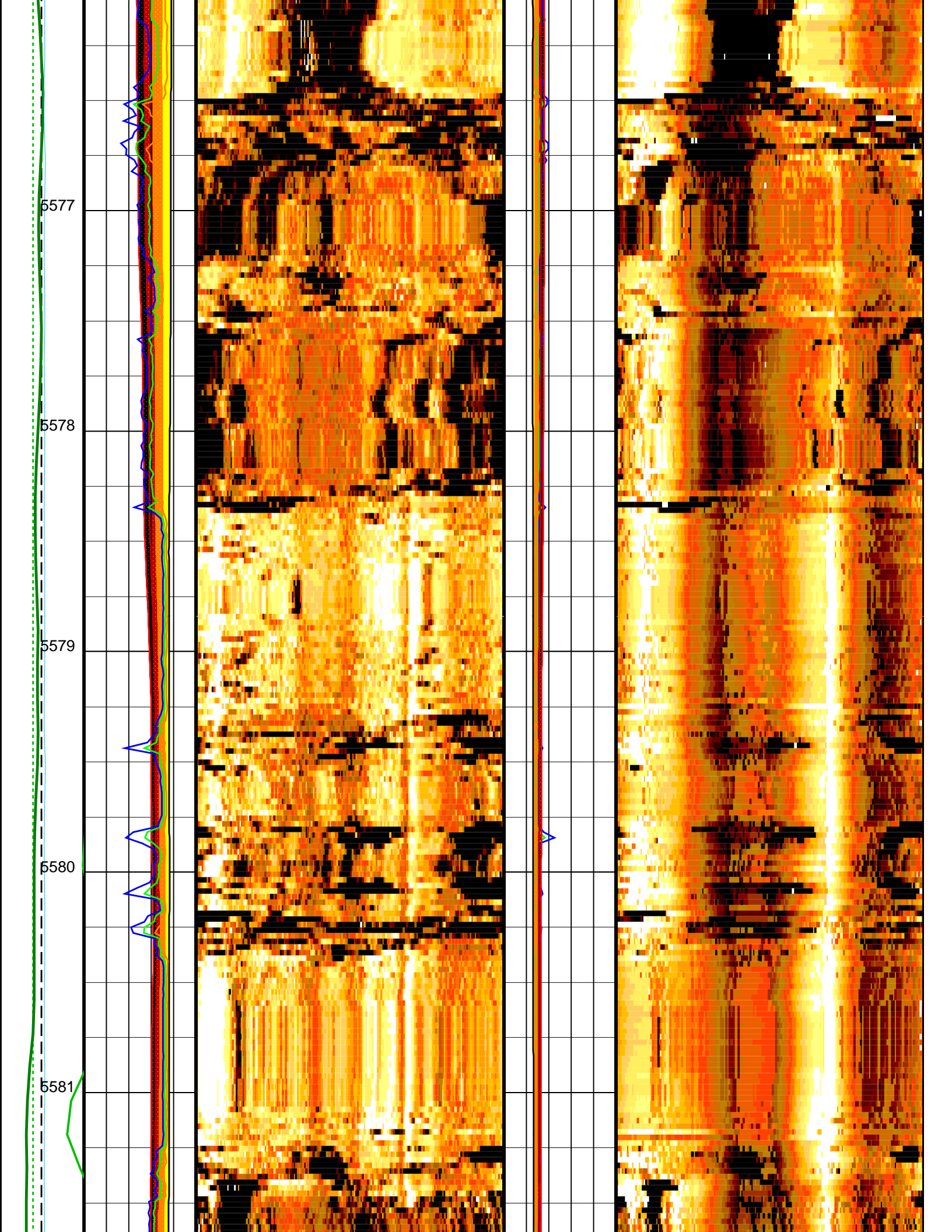
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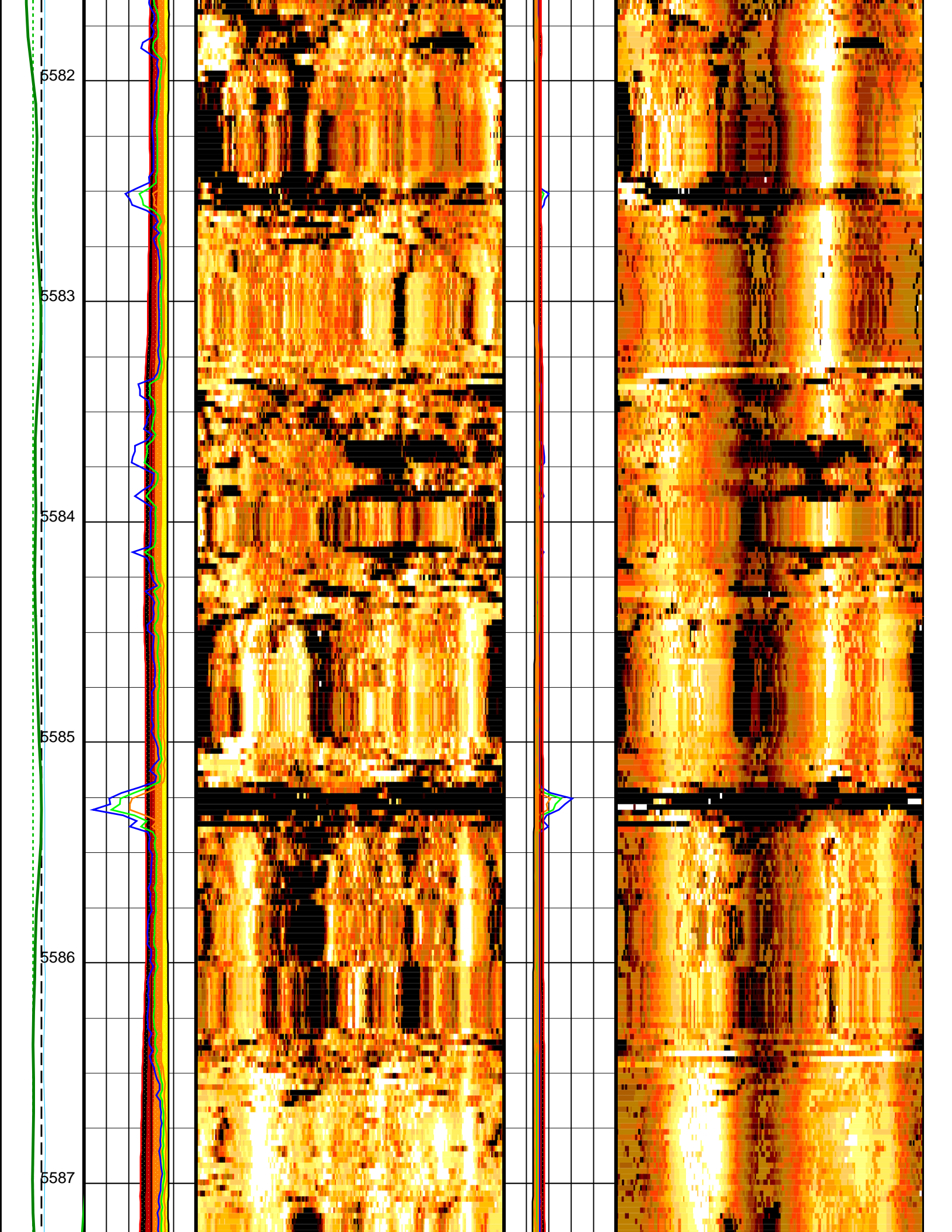
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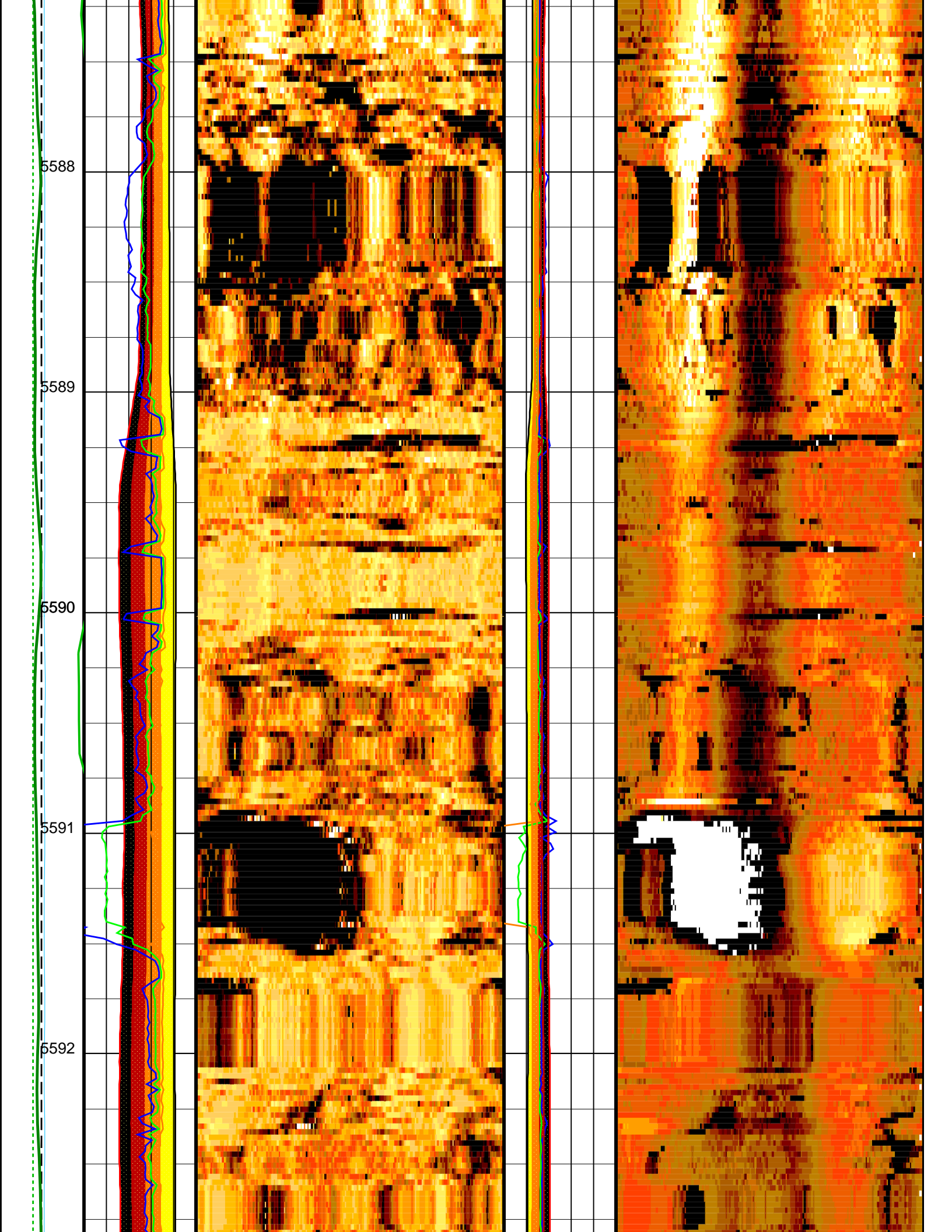
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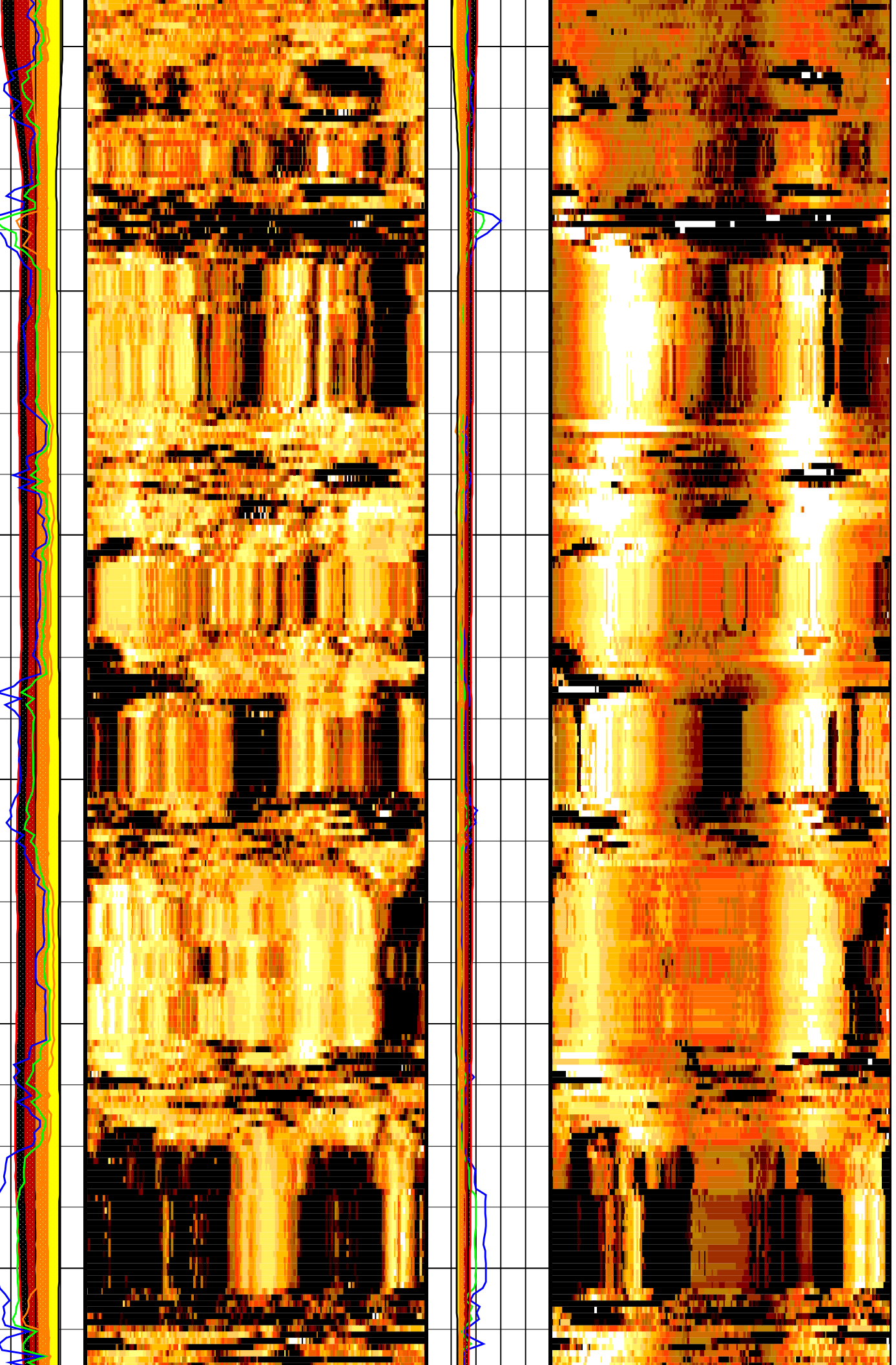
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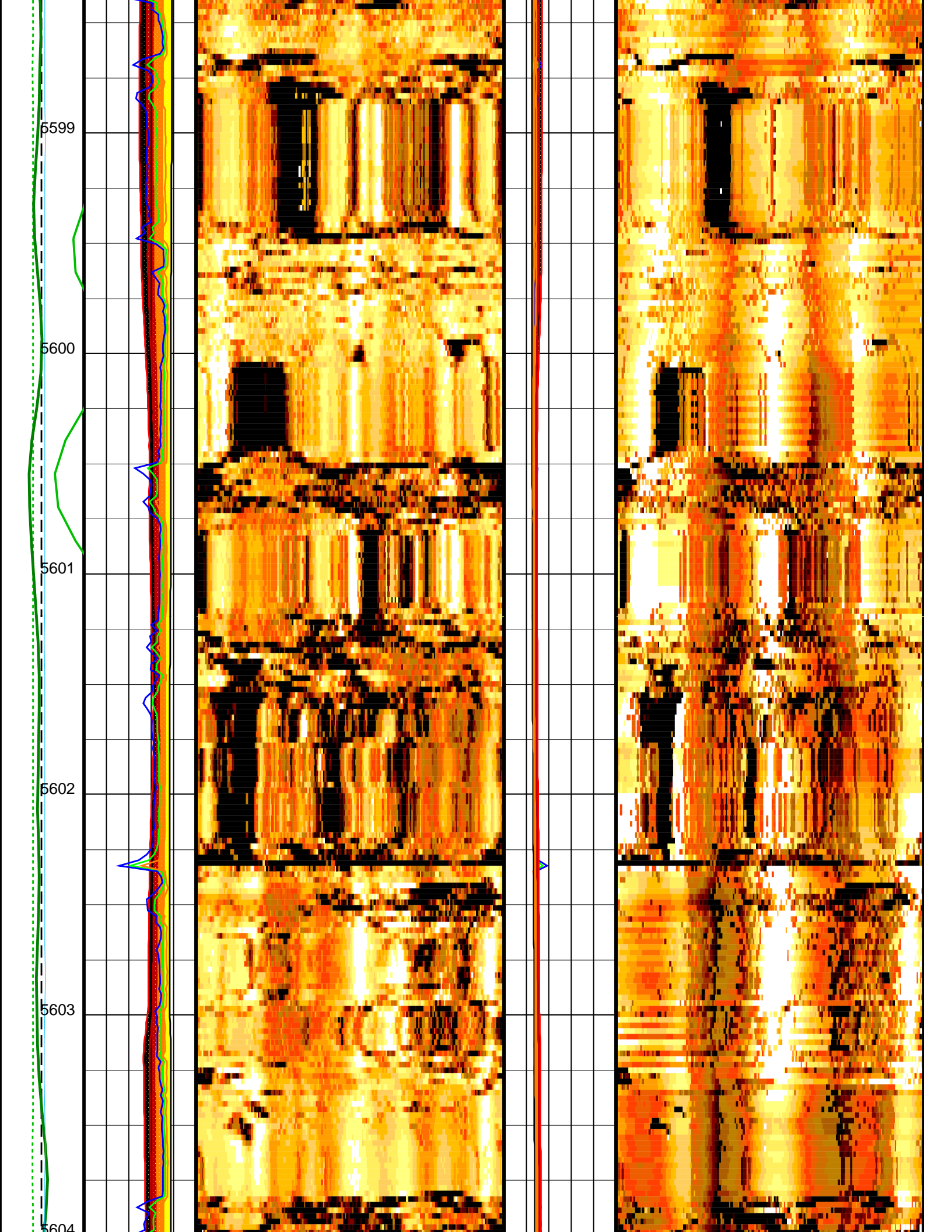
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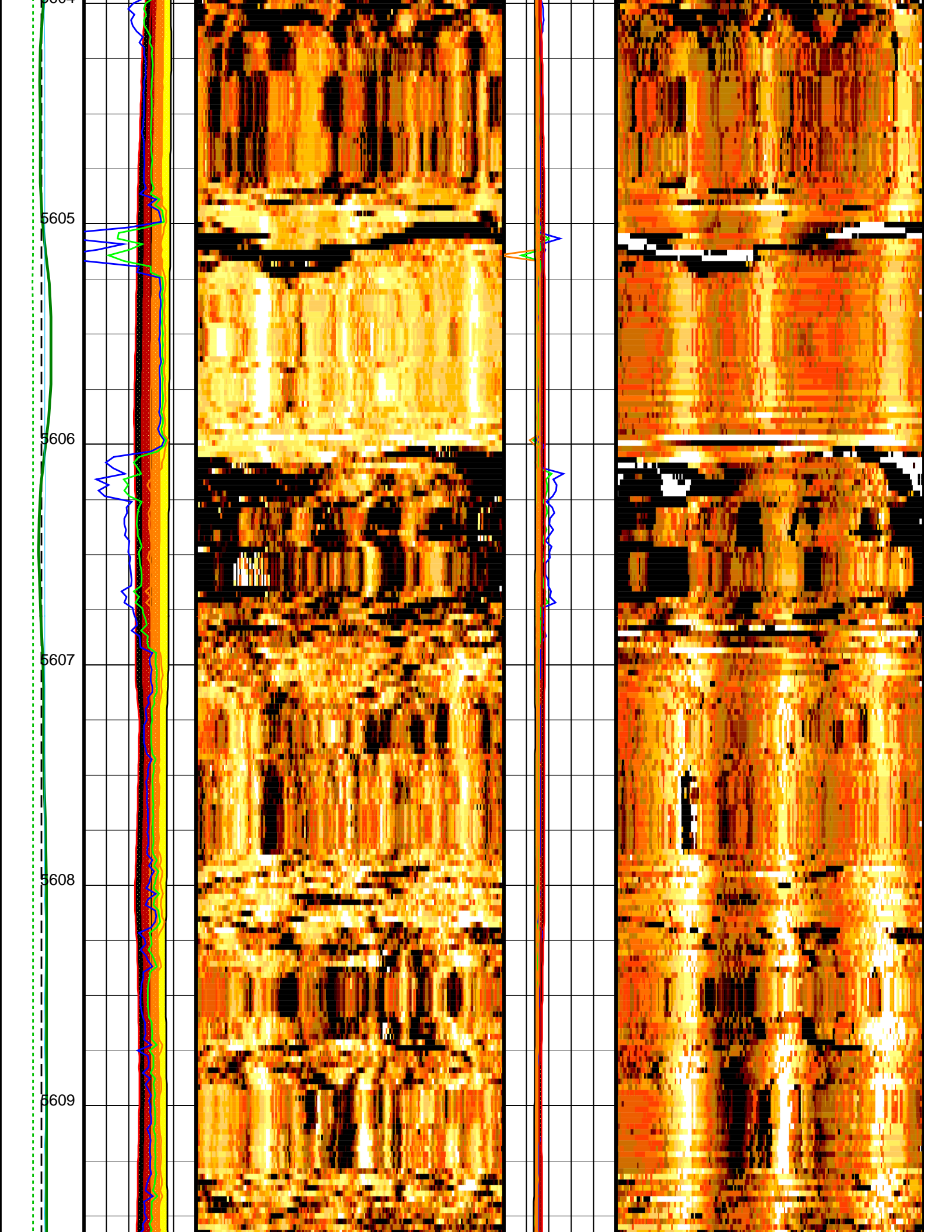
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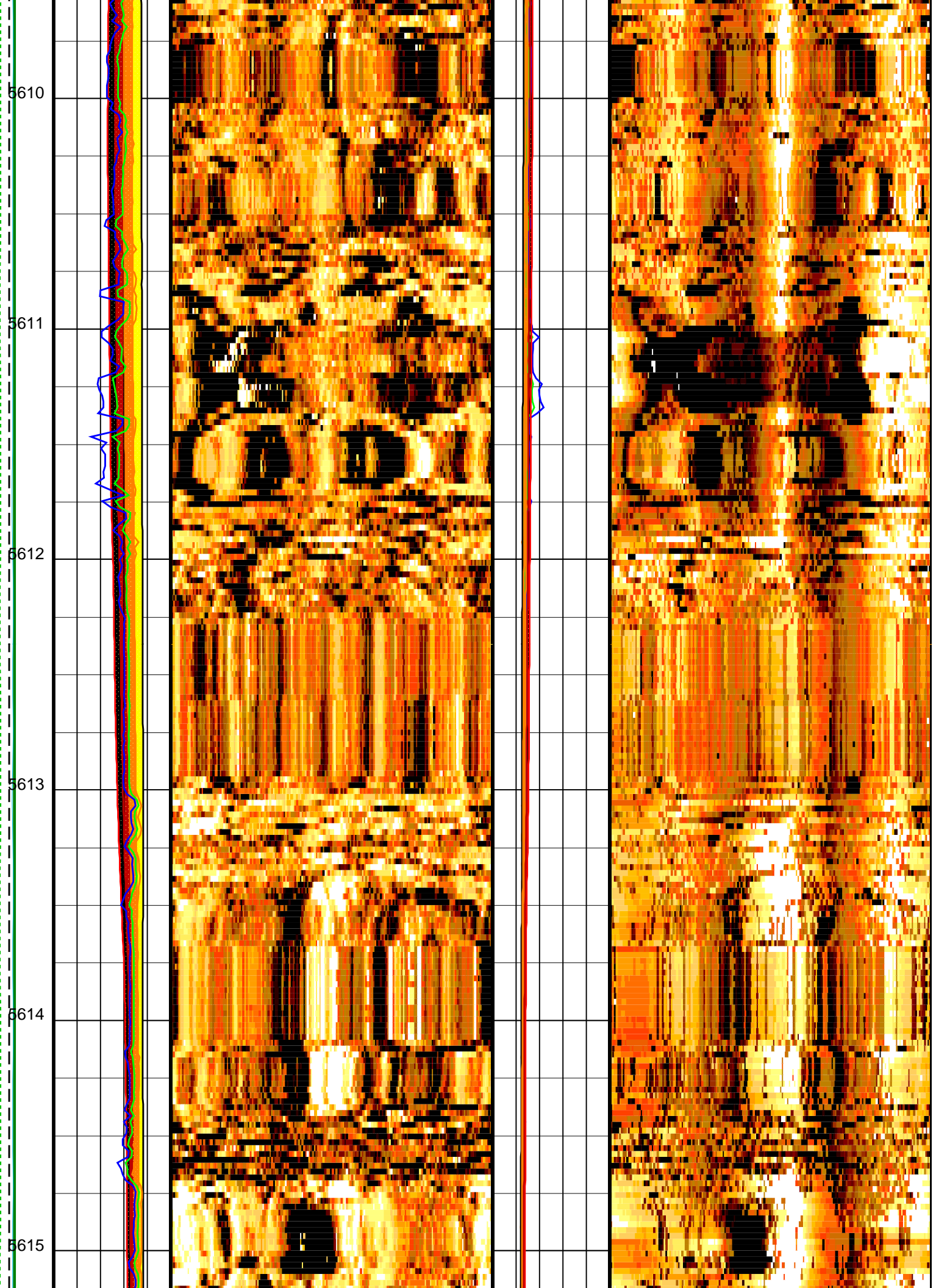
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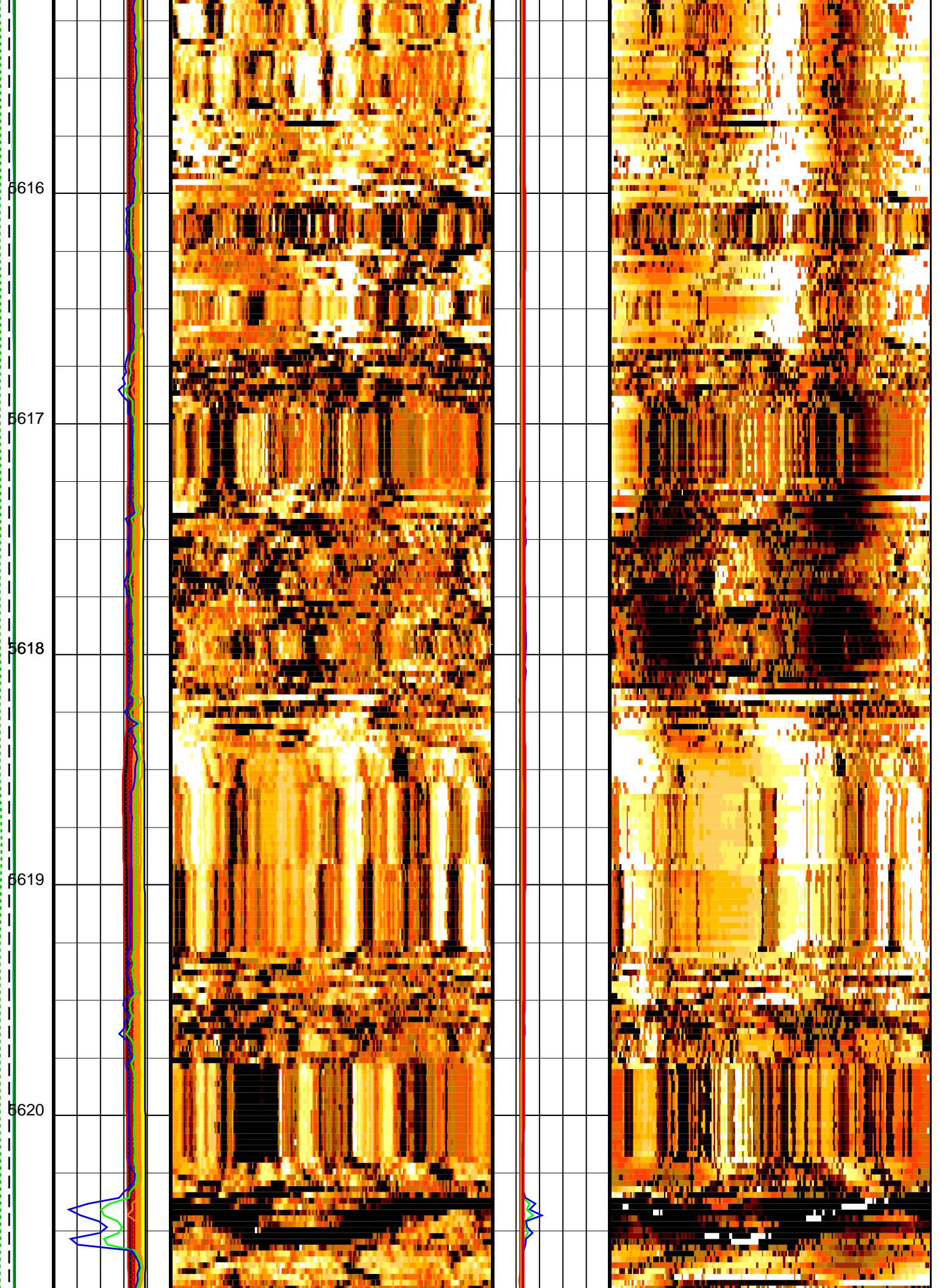
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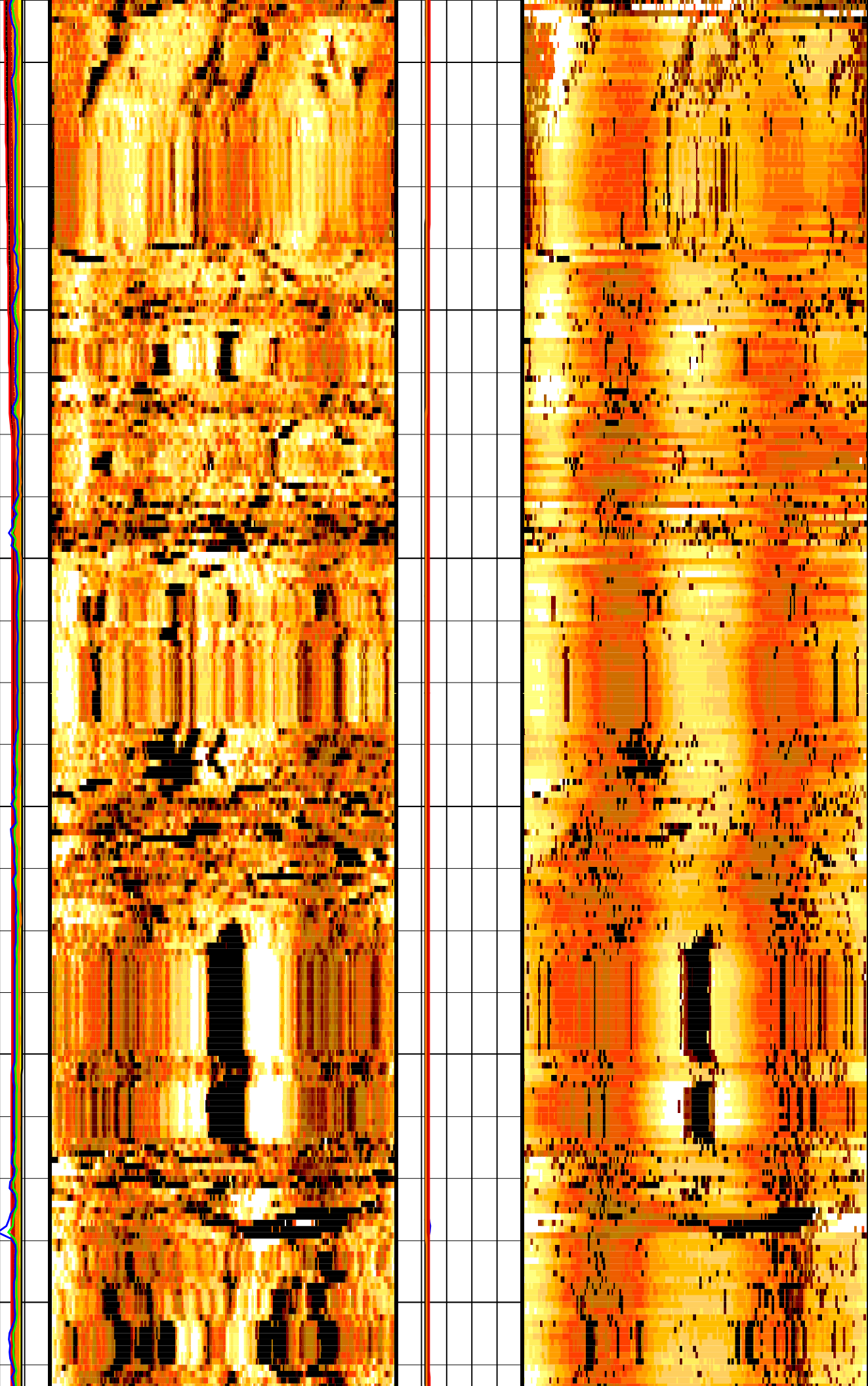
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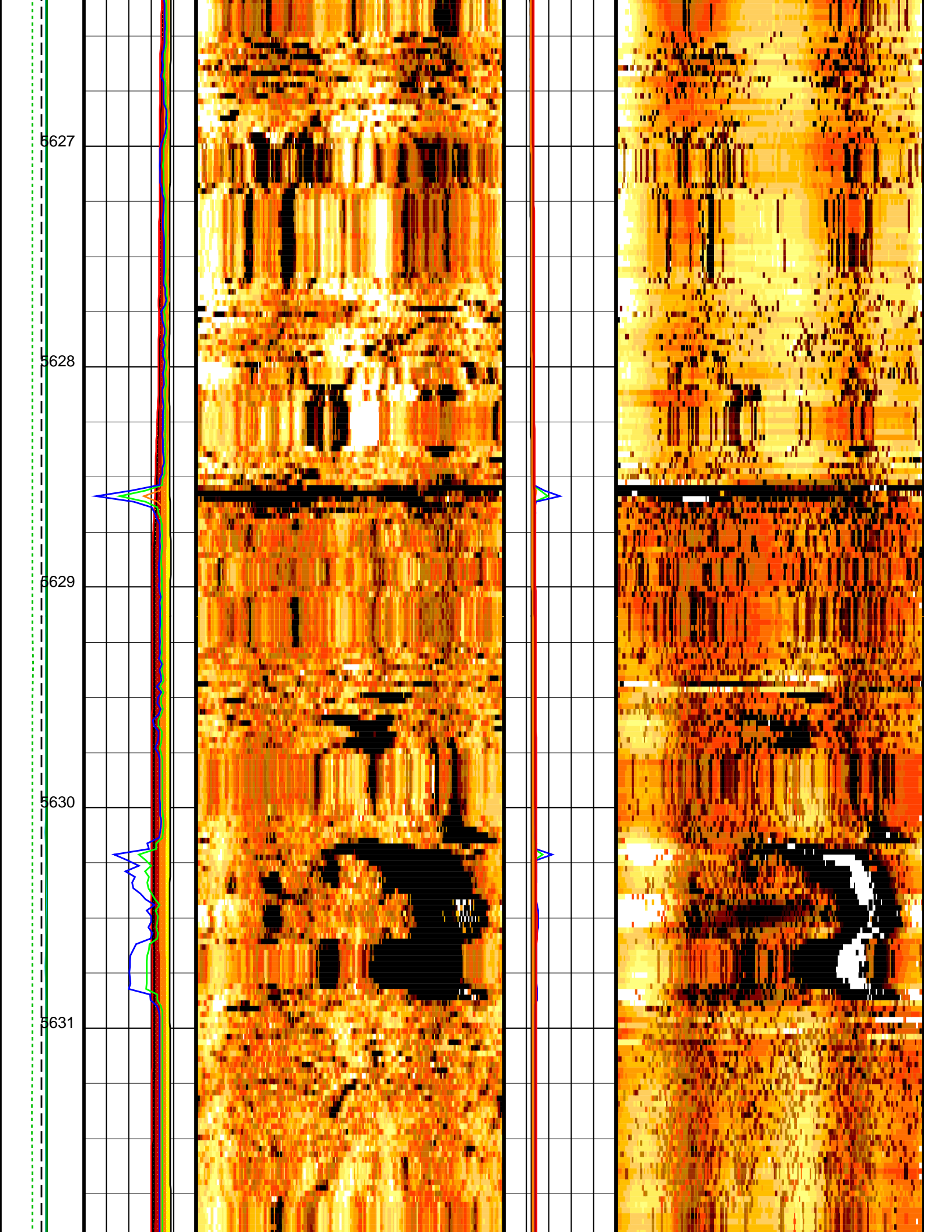
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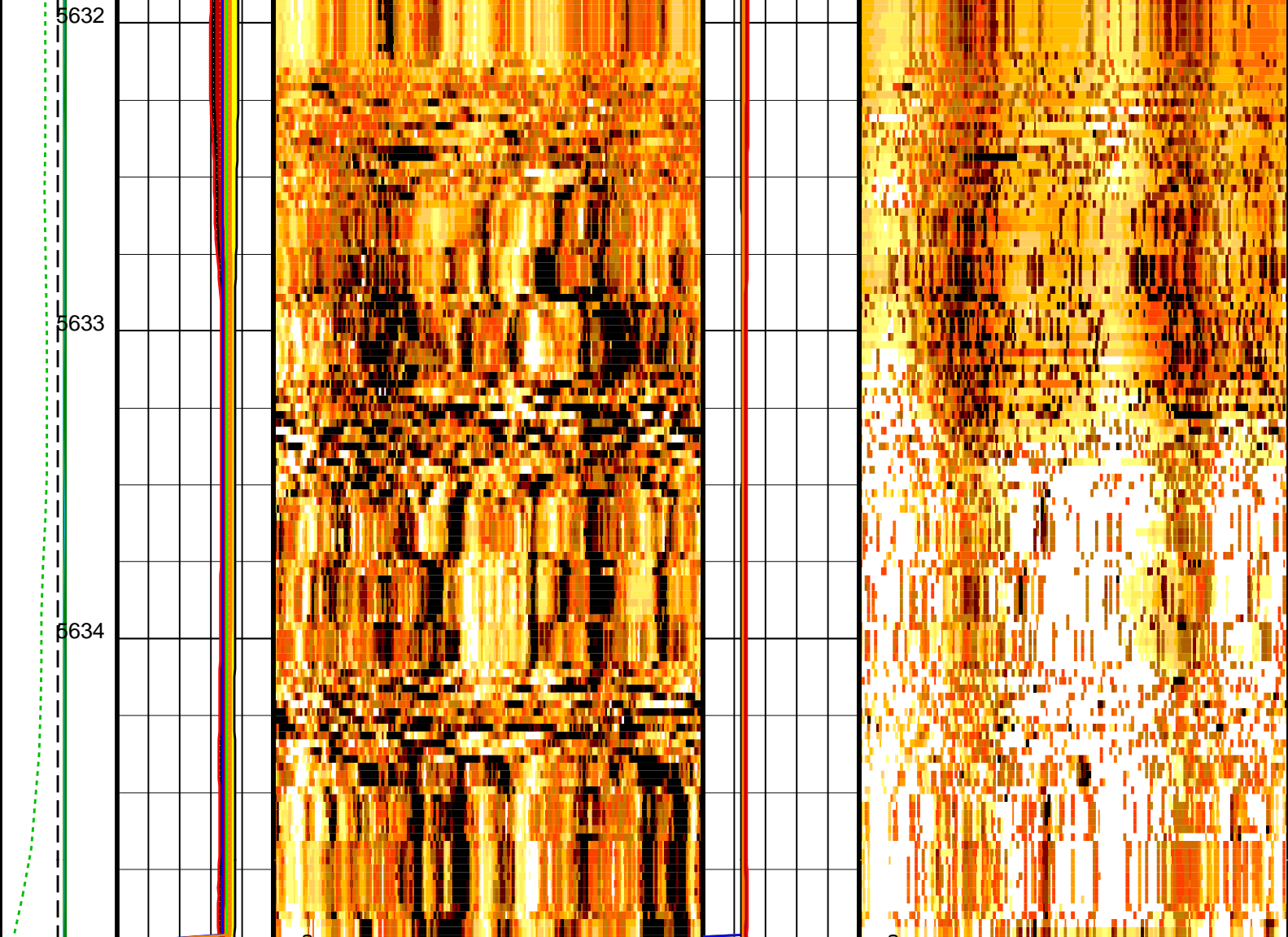
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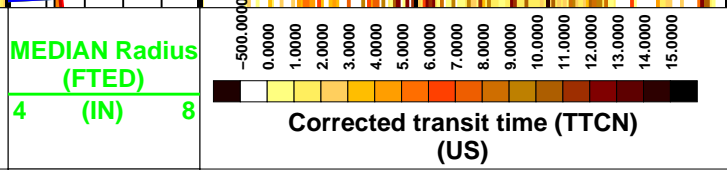
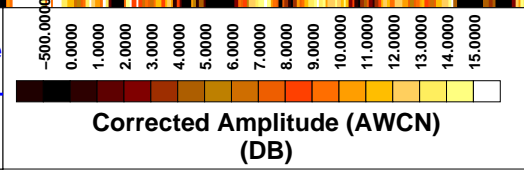
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Rev. speed (RSAV) 6 (RPS) 8	LOW Amplitude (FA25) 0 (DB) 50
Cable Speed (CS) (M/HR) 0 1000	Min. of Amplitude (UAMN) 0 (DB) 50
Fluid velocity (CFVL) (US/F) 150 250	Maximum of Amplitude (UAMX) 0 (DB) 50
Gamma Ray (GR_EDTC) (GAPI) 0 25	MEDIAN of Amplitude (FAED) 0 (DB) 50
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 100	HIGH Amplitude (FA75) 0 (DB) 50



MEDIAN Radius (FTED) 4 (IN) 8
Radius LOW (FT25) 4 (IN) 8
Radius HIGH (FT75) 4 (IN) 8
Radius min (UTMN) 4 (IN) 8
Radius max (UTMX) 4 (IN) 8

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

Parameters

DLIS Name Description Value

UBI-E: Ultrasonic Borehole Imager - E

AAMN	Automatic Amplitude Minimum Scale	2	DB
ANGO	Angular Offset	20	DEG
ATMN	Automatic Transit Time Minimum Scale	2	US
CSID	Casing Inner Diameter	10.05	IN
DCMN	Window Decrement Down	0.8	
DCMX	Window Decrement Up	0.6	
DFVL	Default Fluid Velocity	199	US/F
DOT	Diameter of Tool	1.85	IN
ECRL	Eccentering Correction Level	FIRST	
ERDB	Eccentering Rejection	12	DB
FDOS	FVEL Depth Offset	0	M
FMOS	FVEL Measurement Offset	0	US/F
GCSW	Gain Correction	ON	
IMAR	Image Rotation	OFF	
LIM1	Minimum Limit Control	AUTO	
LIM2	Maximum Limit Control	MANUAL	
NBCD	Color Correction Depth Level	80	
NBLD	Eccentering Correction Depth Level	1	
NCDI	Noise Correction Depth Interval	30	
PNSW	Processing Noise Correction	ON	
RCSO	Reference Calibrator Standoff	0.795	IN
RJ60	60 Hz Correction	ON	
SWLV	Sliding Window Minimum	Inh_18us	
SWMX	Sliding Window Maximum	Inh_167us	
UFON	UBI Flagging of Lost Echoes	OFF	
UGOS	UBI/UCI GPIT Offset	3.63	IN
USTO	Ultrasonic Time Offset	-3	US
USUB	UBI Sub Identifier	Sub_5_inch	
UWKM	Current Working Mode	UBI7_SW500_180_1	

APS-C: Accelerator-Porosity Tool

BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	

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	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	0.00161085	
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	0.995048	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.00373	

EDTC-B: Enhanced DTS Cartridge

BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	

UHSV: UBI Hole Shape Analysis

AAMN	Automatic Amplitude Minimum Scale	2	DB
ANGO	Angular Offset	20	DEG
ATMN	Automatic Transit Time Minimum Scale	2	US
CSID	Casing Inner Diameter	10.05	IN
DCMN	Window Decrement Down	0.8	
DCMX	Window Decrement Up	0.6	
DFVL	Default Fluid Velocity	199	US/F
DOT	Diameter of Tool	1.85	IN
ECRL	Eccentering Correction Level	FIRST	
ERDB	Eccentering Rejection	12	DB
FDOS	FVEL Depth Offset	0	M
FMOS	FVEL Measurement Offset	0	US/F
GCSW	Gain Correction	ON	
IMAR	Image Rotation	OFF	
LIM1	Minimum Limit Control	AUTO	
LIM2	Maximum Limit Control	MANUAL	
NBCD	Color Correction Depth Level	80	
NBLD	Eccentering Correction Depth Level	1	
NCDI	Noise Correction Depth Interval	30	
PNSW	Processing Noise Correction	ON	
RCSO	Reference Calibrator Standoff	0.795	IN
RJ60	60 Hz Correction	ON	
SWLV	Sliding Window Minimum	Inh_18us	
SWMX	Sliding Window Maximum	Inh_167us	
UFON	UBI Flagging of Lost Echoes	OFF	
UGOS	UBI/UCI GPIT Offset	3.63	IN
USTO	Ultrasonic Time Offset	-3	US
USUB	UBI Sub Identifier	Sub_5_inch	
UWKM	Current Working Mode	UBI7_SW500_180_1	

FDOS	FVEL Depth Offset	0	M
FMOS	FVEL Measurement Offset	0	US/F
GCSW	Gain Correction	ON	
IMAR	Image Rotation	OFF	
LIM1	Minimum Limit Control	AUTO	
LIM2	Maximum Limit Control	MANUAL	
NBCD	Color Correction Depth Level	80	
NBLD	Eccentering Correction Depth Level	1	
NCDI	Noise Correction Depth Interval	30	
PNSW	Processing Noise Correction	ON	
RCSO	Reference Calibrator Standoff	0.795	IN
RJ60	60 Hz Correction	ON	
SWLV	Sliding Window Minimum	Inh_18us	
SWMX	Sliding Window Maximum	Inh_167us	
UFON	UBI Flagging of Lost Echoes	OFF	
UGOS	UBI/UCI GPIT Offset	3.63	IN
USTO	Ultrasonic Time Offset	-3	US
USUB	UBI Sub Identifier	Sub_5_inch	
UWKM	Current Working Mode	UBI7_SW500_180_1	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.03	G/C3

Output DLIS Files

DEFAULT	UBI_APS_NGS_047LUP	FN:52	PRODUCER	05-May-2022 13:39
RTB	UBI_APS_NGS_047LUP	FN:53	PRODUCER	05-May-2022 13:39



Callibrations

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
General Purpose Inclinometer Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 5-May-2022 11:41							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	92	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	10	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	448	N/A	N/A	N/A	
General Purpose Inclinometer Wellsite Calibration – CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY							
Before: 5-May-2022 11:41							
TEMPERATURE REFERENCE :	N/A	N/A	19	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	99	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	12	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	428	N/A	N/A	N/A	
Accelerator-Porosity Tool Wellsite Calibration – Detector Background							
Master: Calibration out of date 3-May-2021 6:13 Before: 5-May-2022 8:29 After: 5-May-2022 17:41							
Near Det Bkg Cntrate	30.00	25.16	25.84	26.14	0.3001	N/A	CPS
Far Det Bkg Cntrate	30.00	24.05	25.26	25.00	-0.2577	N/A	CPS
Array-1 Det Bkg Cntrate	30.00	23.15	25.14	23.82	-1.314	N/A	CPS
Array-2 Det Bkg Cntrate	30.00	23.93	24.36	22.92	-1.437	N/A	CPS
Array Therm Det Bkg Cntrate	30.00	26.33	24.33	24.79	0.4611	N/A	CPS
Accelerator-Porosity Tool Wellsite Calibration – Calibration Ratios							
Master: Calibration out of date 3-May-2021 6:15							
Near/Far Calibration Ratio	0.9250	0.9424	N/A	N/A	N/A	N/A	
Near/Array Calibration Ratio	1.030	1.083	N/A	N/A	N/A	N/A	
Near/Array Cal Ratio Up/Down	1.000	1.016	N/A	N/A	N/A	N/A	
Accelerator-Porosity Tool Wellsite Calibration – Tank Check							
Master: Calibration out of date 3-May-2021 6:16							

Array-1 Standoff Porosity	11.75	11.04	N/A	N/A	N/A	N/A	PU
Array-2 Standoff Porosity	11.75	10.88	N/A	N/A	N/A	N/A	PU
Average Slowing Down Time	6.000	5.997	N/A	N/A	N/A	N/A	US
Array-1 SDT Ratio Up/Down	1.000	0.9943	N/A	N/A	N/A	N/A	
Array-2 SDT Ratio Up/Down	1.000	0.9896	N/A	N/A	N/A	N/A	
Sigma Formation	27.50	27.71	N/A	N/A	N/A	N/A	CU

Accelerator-Porosity Tool Wellsite Calibration – CCR7 signal boxes

Master: Calibration out of date 3-May-2021 5:26

Near Detector Plateau Setting	1650	1738	N/A	N/A	N/A	N/A	V
Far Detector Plateau Setting	2000	2068	N/A	N/A	N/A	N/A	V
Array Detector Plateau Setting	2000	1976	N/A	N/A	N/A	N/A	V

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	
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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
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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

Accelerator-Porosity Tool – Detector Plateau Settings :

Near Detector Plateau Setting	1738 V
Far Detector Plateau Setting	2068 V
Array Detector Plateau Setting	1976 V

General Purpose Inclinometer / Equipment Identification

Primary Equipment:		
GPIT Cartridge – AC	GPIC – AC	719
Auxiliary Equipment:		
GPIT Housing	GPIH – A	2864

Accelerator-Porosity Tool / Equipment Identification

Primary Equipment:		
Accelerator-Porosity Sonde	APS – C	249
APS Minitron	MNTR – F	51002
Auxiliary Equipment:		
Accelerator-Porosity Housing	APH – AC	152
APS Calibration Water Tank	SFT – 178	1
APS Aluminum Calibrator Sleeve	SFT – 281	1

Accelerator-Porosity Tool Wellsite Calibration

Detector Background

Phase	Near Det Bkg Cntrate CPS	Value	Phase	Far Det Bkg Cntrate CPS	Value	Phase	Array-1 Det Bkg Cntrate CPS	Value
Master		25.16	Master		24.05	Master		23.15
Before		25.84	Before		25.26	Before		25.14
After		26.14	After		25.00	After		23.82
	1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)	
Phase	Array-2 Det Bkg Cntrate CPS	Value	Phase	Array Therm Det Bkg Cntrate CPS	Value			
Master		23.93	Master		26.33			
Before		24.36	Before		24.33			
After		22.92	After		24.79			
	1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)				
Master: Calibration out of date 3-May-2021 6:13			Before: 5-May-2022 8:29			After: 5-May-2022 17:41		

Accelerator-Porosity Tool Wellsite Calibration

Calibration Ratios

Phase	Near/Far Calibration Ratio	Value	Phase	Near/Array Calibration Ratio	Value	Phase	Near/Array Cal Ratio Up/Down	Value
Master		0.9424	Master		1.083	Master		1.016
	0.8000 (Minimum) 0.9250 (Nominal) 1.050 (Maximum)			0.9000 (Minimum) 1.030 (Nominal) 1.170 (Maximum)			0.9700 (Minimum) 1.000 (Nominal) 1.030 (Maximum)	
Master: Calibration out of date 3-May-2021 6:15								

Accelerator-Porosity Tool Wellsite Calibration

Tank Check

Phase	Array-1 Standoff Porosity PU	Value	Phase	Array-2 Standoff Porosity PU	Value	Phase	Average Slowing Down Time US	Value
Master		11.04	Master		10.88	Master		5.997
	9.900 (Minimum) 11.75 (Nominal) 13.60 (Maximum)			9.900 (Minimum) 11.75 (Nominal) 13.60 (Maximum)			5.500 (Minimum) 6.000 (Nominal) 6.250 (Maximum)	
Phase	Array-1 SDT Ratio Up/Down	Value	Phase	Array-2 SDT Ratio Up/Down	Value	Phase	Sigma Formation CU	Value
Master		0.9943	Master		0.9896	Master		27.71
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)			0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)			20.00 (Minimum) 27.50 (Nominal) 35.00 (Maximum)	
Master: Calibration out of date 3-May-2021 6:16								

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	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		38.51	Master		16.08	Master		1210
Before		39.50	Before		17.62	Before		1201
After		39.76	After		14.16	After		1203
	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		140.8	Master		9.038	Master		27.21		
Before		142.1	Before		9.852	Before		25.30		
After		143.3	After		10.19	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		7.728								
After		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				

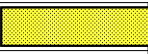


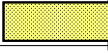


Hostile Natural Gamma Ray Sonde Wellsite Calibration										
Detector 2 Check										
Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value		
Master		39.36	Master		16.98	Master		1089		
Before		40.54	Before		16.01	Before		1085		
After		40.37	After		15.57	After		1086		
	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		7.625								
After		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	Phase	Gamma Ray (Jig - Bkg) GAPI	Value	Phase	Gamma Ray (Calibrated) GAPI	Value	
Before		1.703	Before		113.5	Before		165.0	
After		9.782	After		110.6	After		160.8	
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			103.1 (Minimum) 113.5 (Nominal) 123.8 (Maximum)			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**

Ultrasonic Borehole Imager (UBI)
Accelerator Porosity Sonde (APS)