

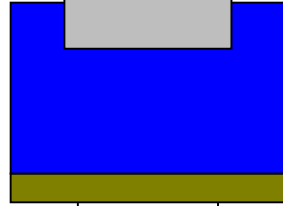
Production String	(in)	(M)	Well Schematic	(M)	(in)	Casing String
	OD	ID		MD	MD	

Kelly Bushing Elevation
Derrick Floor Elevation

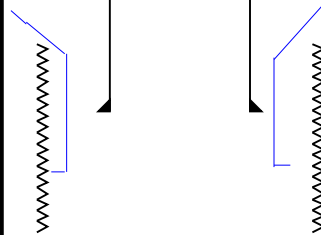
0
0

Mean Sea Level

11



4.1



3812 4.1

3844 9.875

4655 10.75

5342

Sea Floor

Open Hole

45 lb/ft Casing

Total Depth

Input DLIS Files

DEFAULT	Flip_DSI_HRLA_LDL_029LUP	PRODUCER	06-Apr-2017 18:02	4944.5 M	3717.0 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_036PUP	FN:47	PRODUCER	06-Apr-2017 20:17	4944.5 M	3717.0 M
BACKUP	DSI_HRLA_LDL_NGS_036PUP	FN:48	PRODUCER	06-Apr-2017 20:17	4944.5 M	3717.0 M

OP System Version: 19C0-187

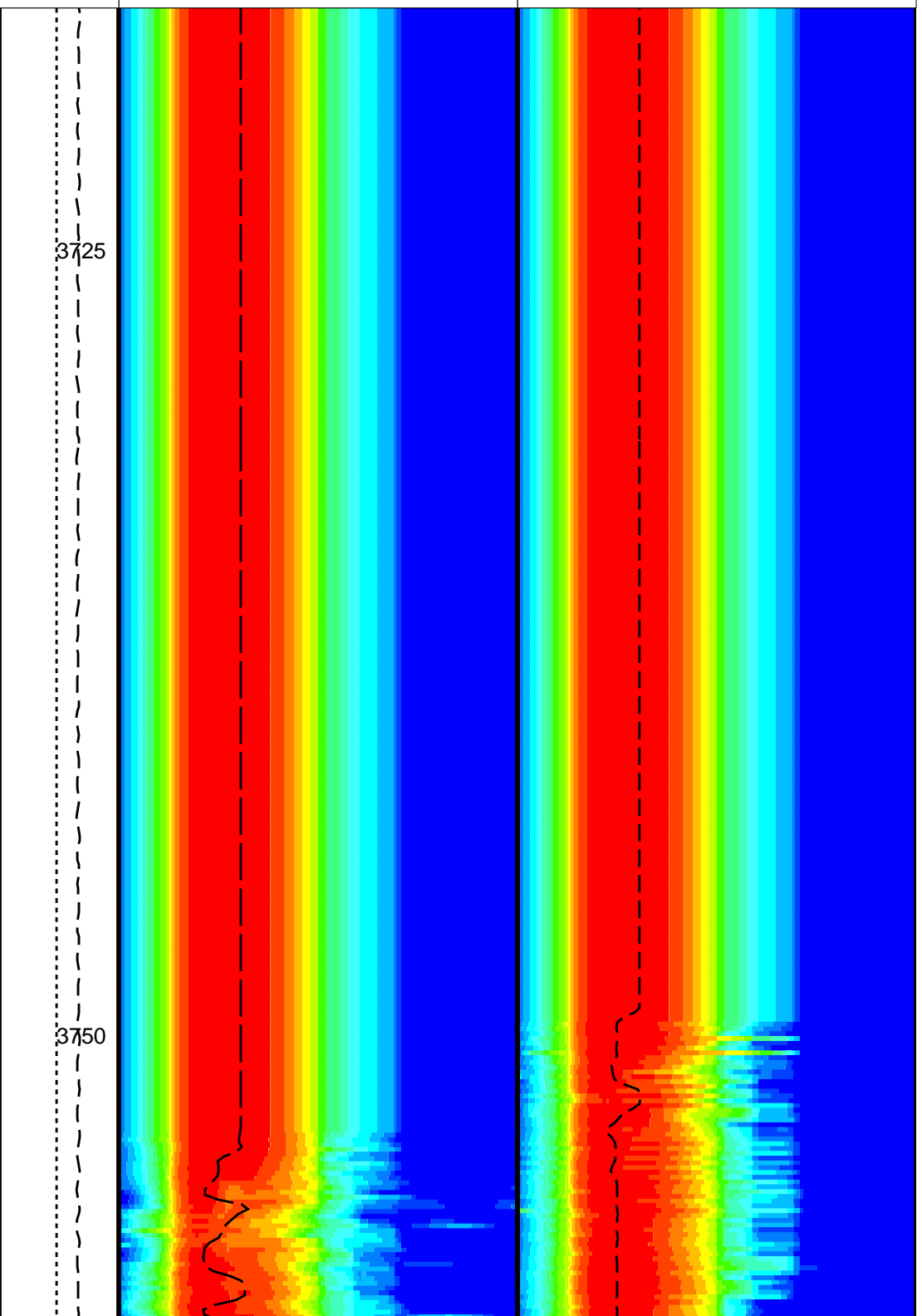
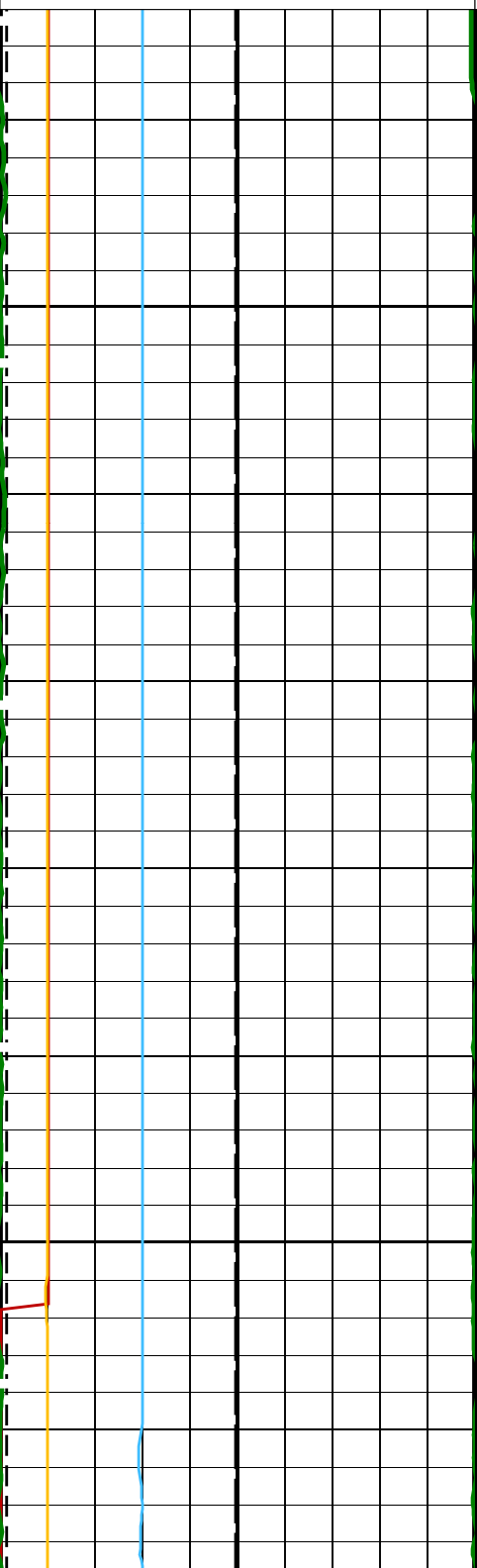
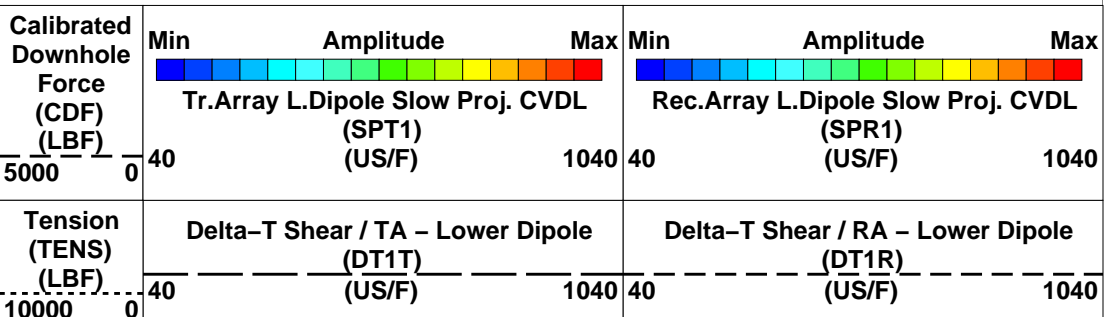
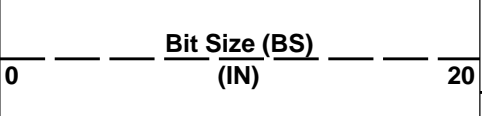
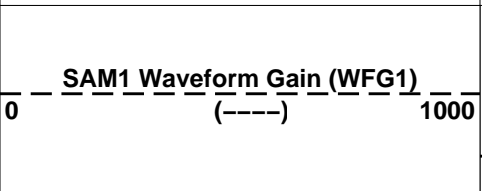
DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

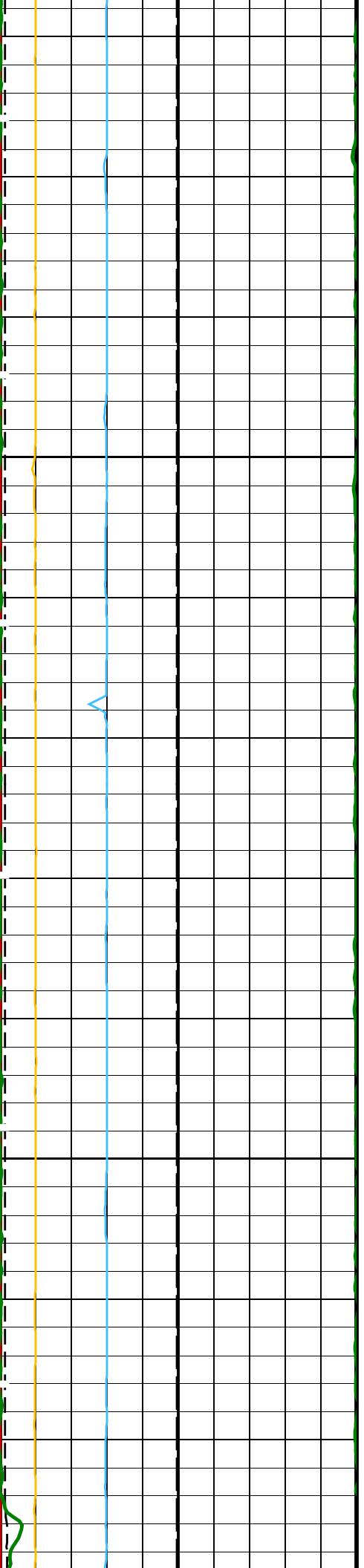
PIP SUMMARY

Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - Lower Dipole (CHT1)		
-2	(----)	8
Peak Coherence / RA - Lower Dipole		

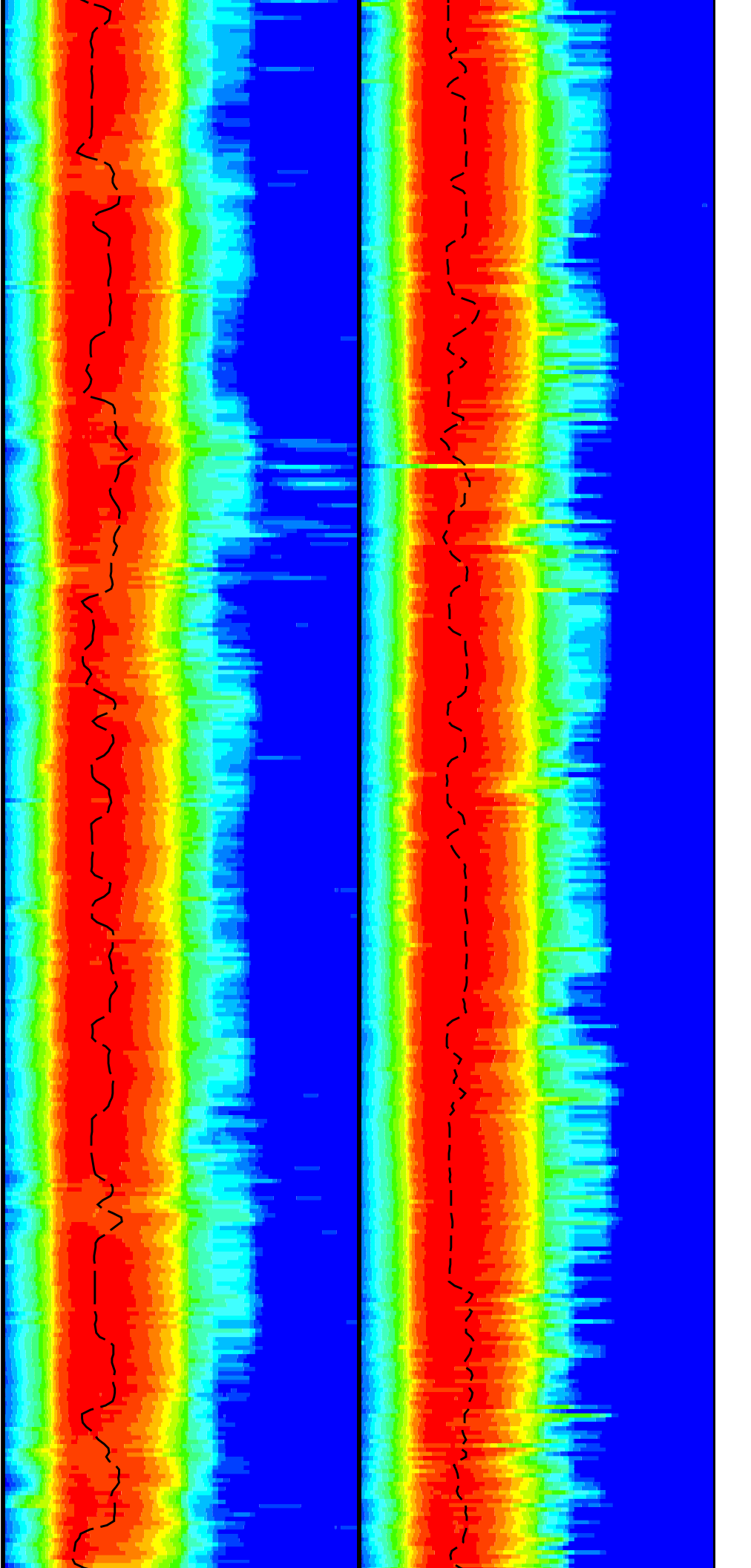
0	(CHR1)	10
Waveform Data Copy Indicator 1 – Lower Dipole (WC11)		
0	(----)	10

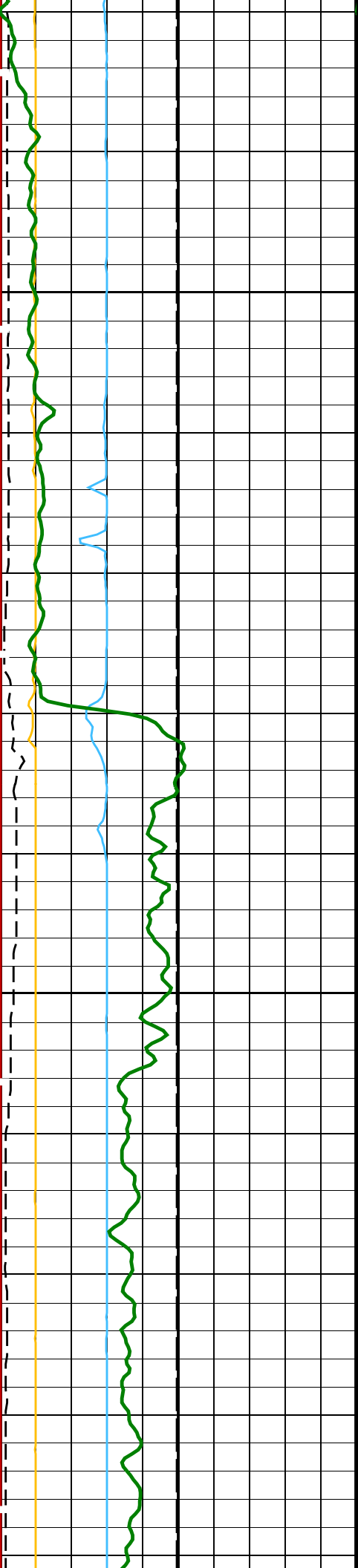




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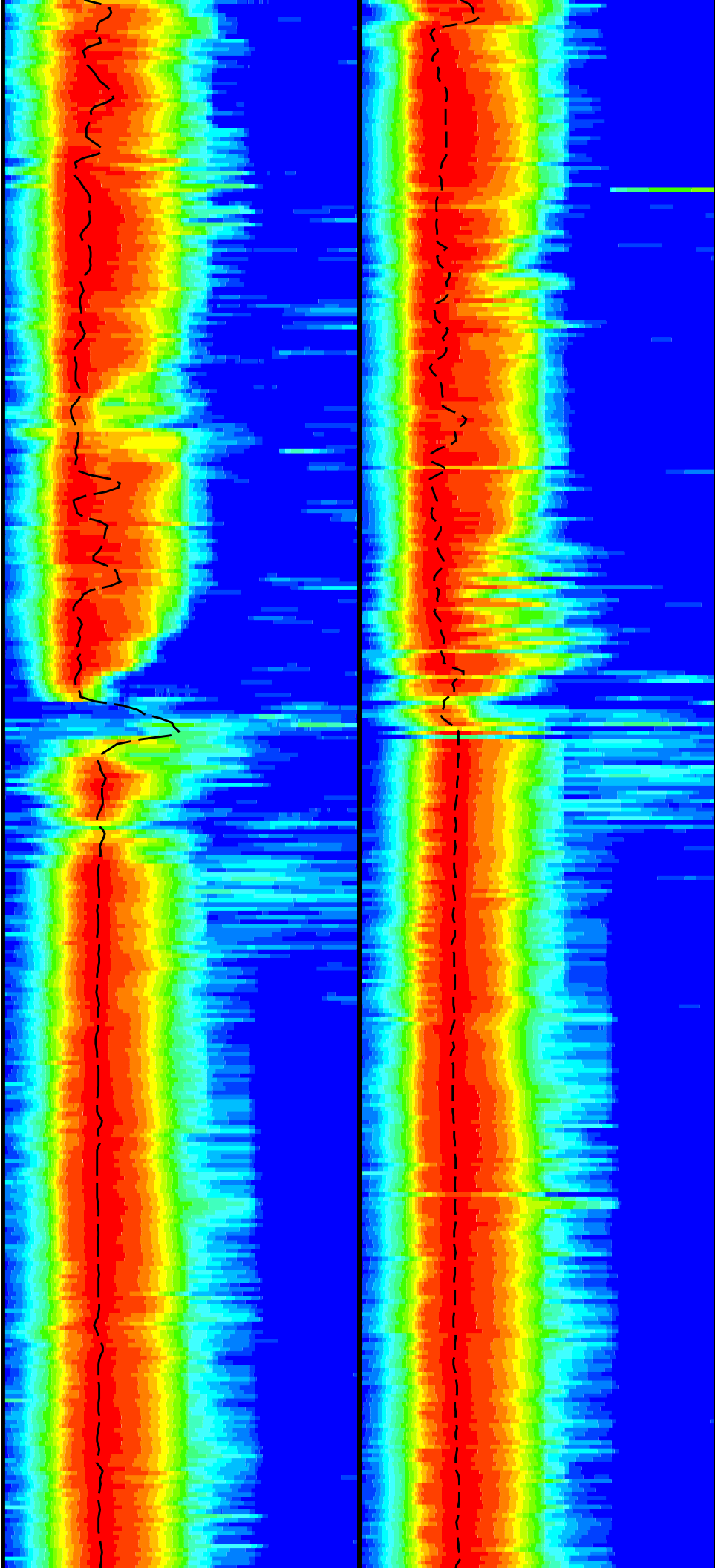
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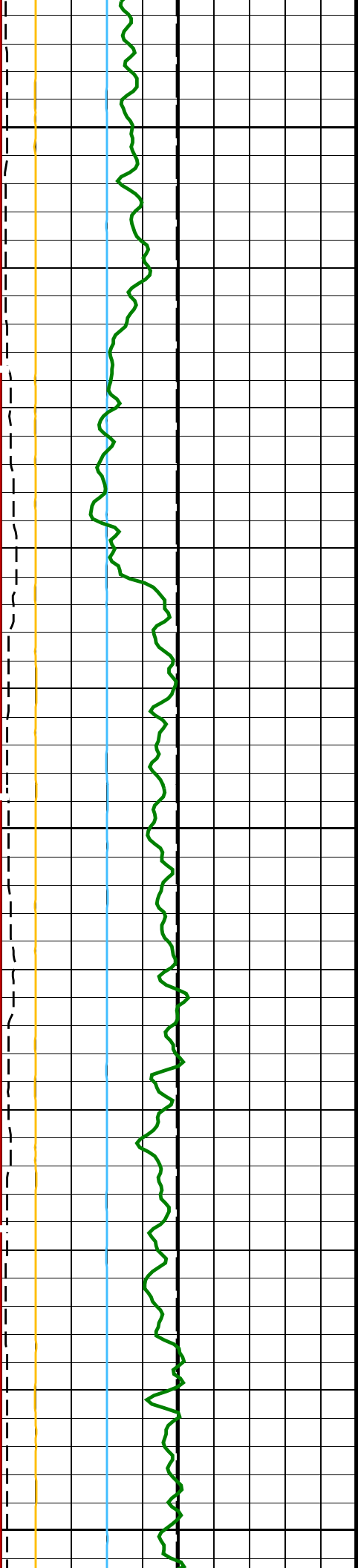




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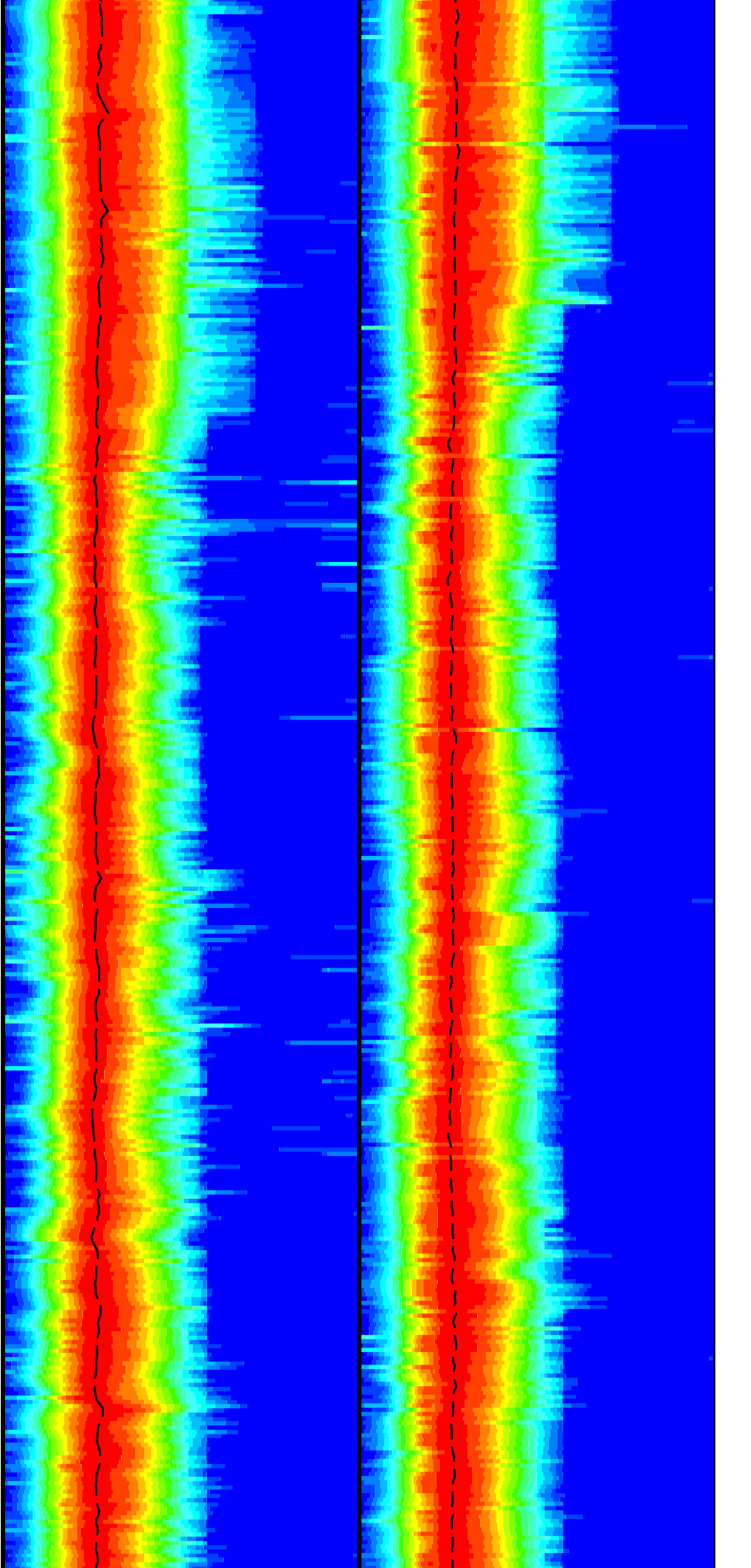


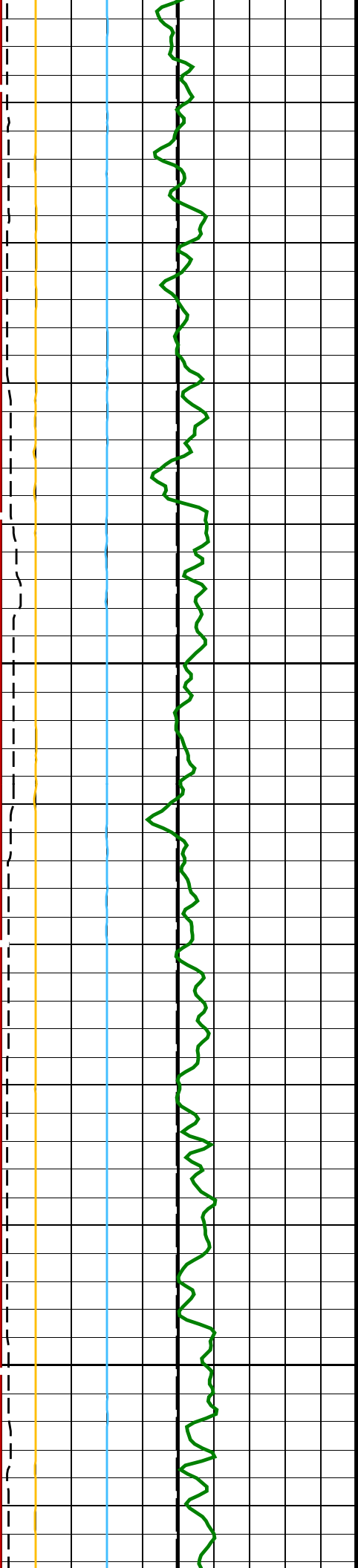


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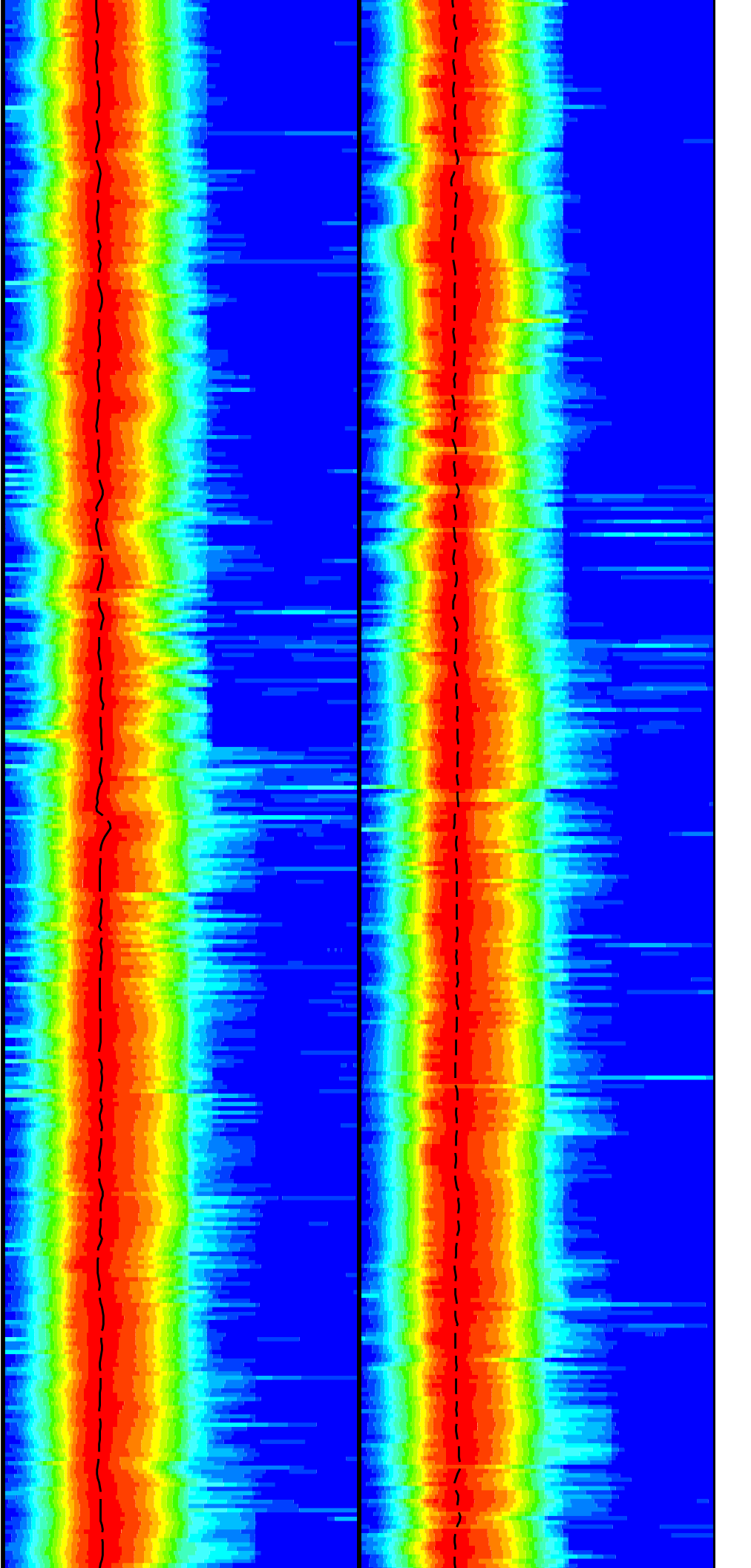
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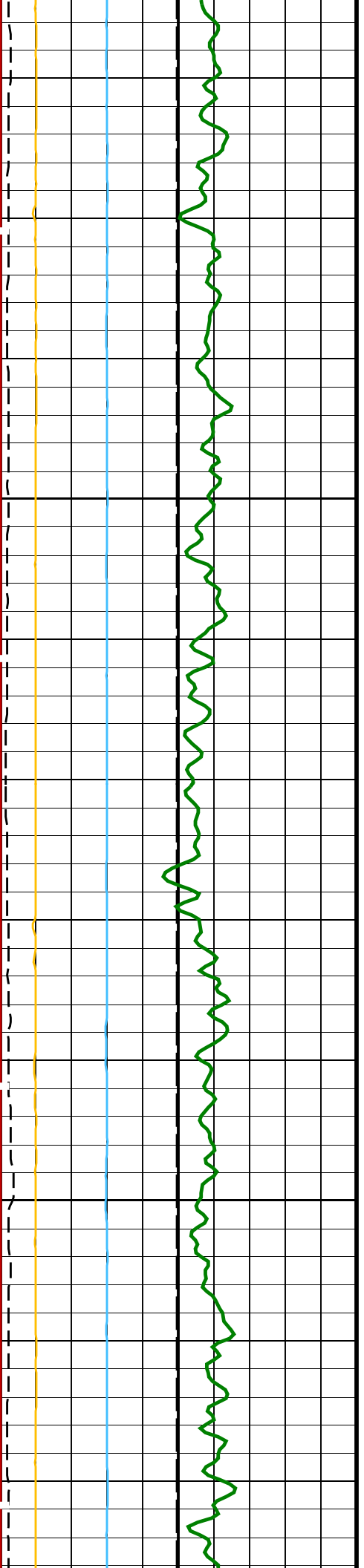




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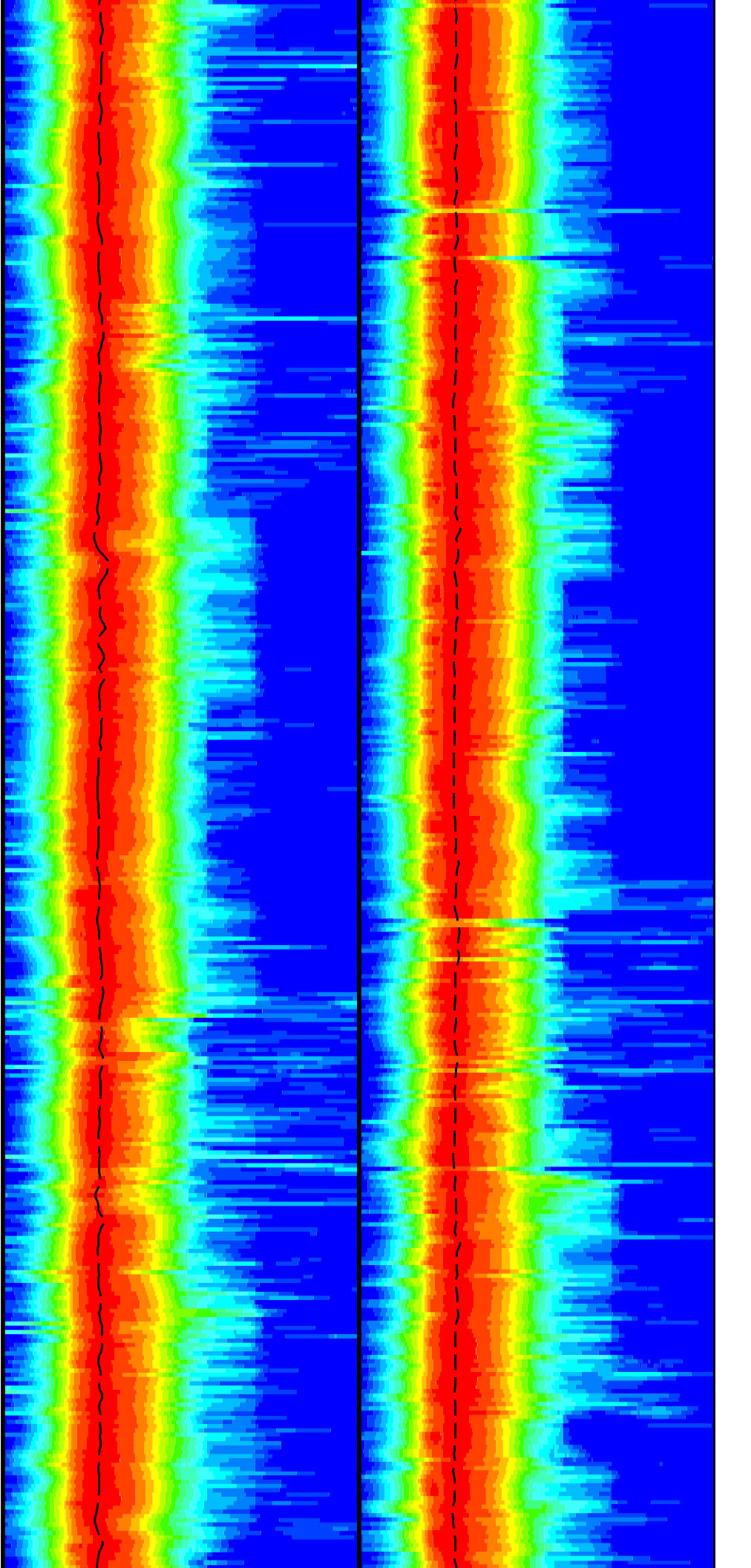
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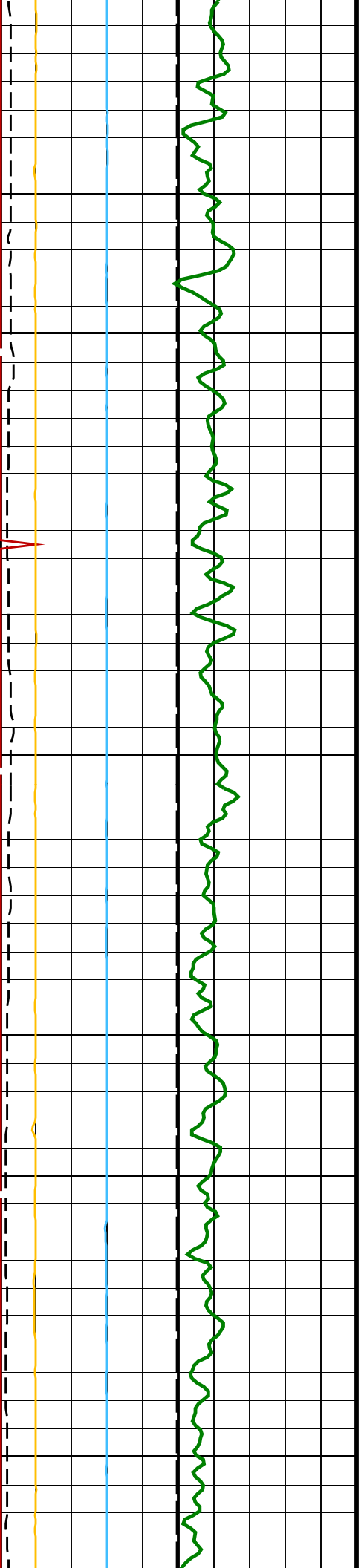




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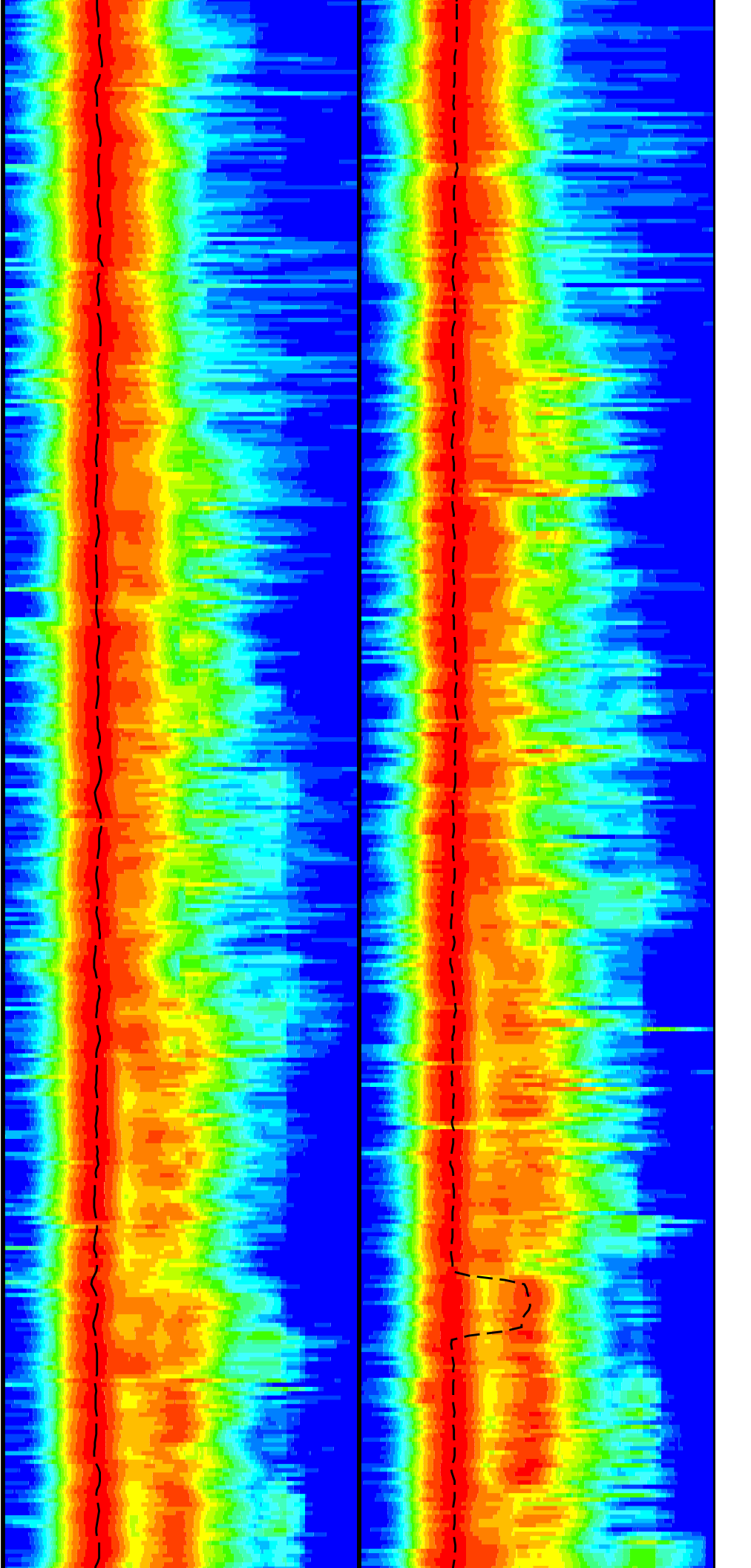
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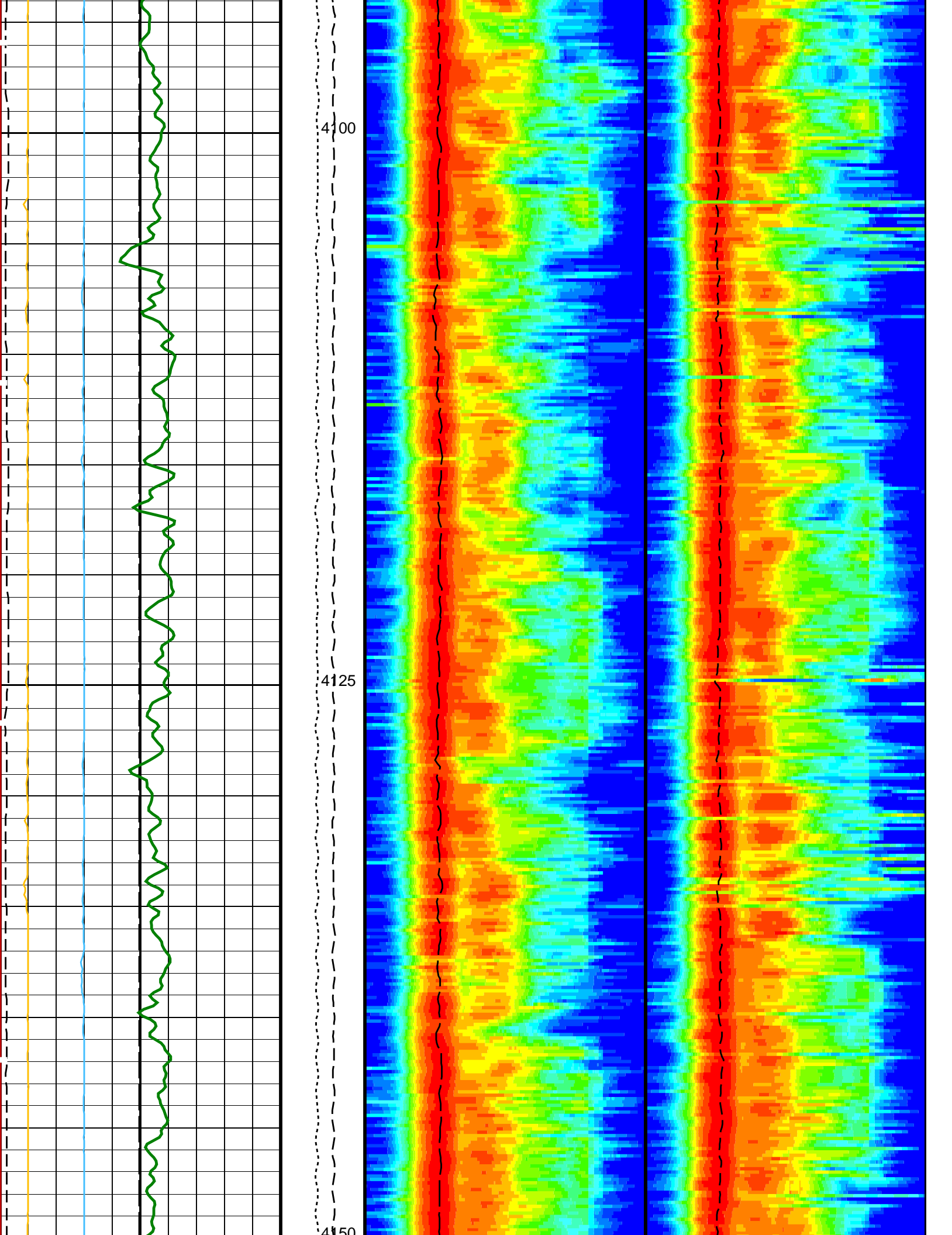


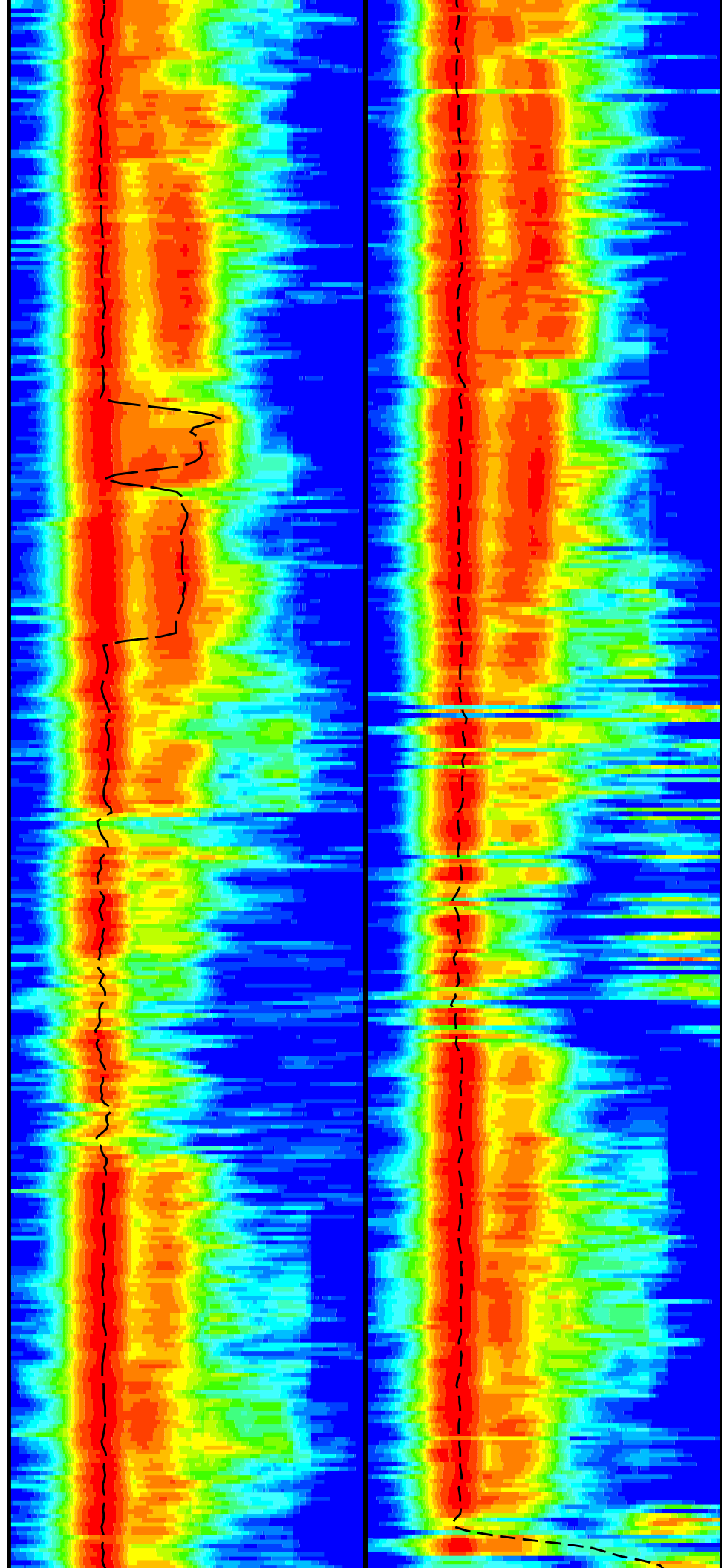
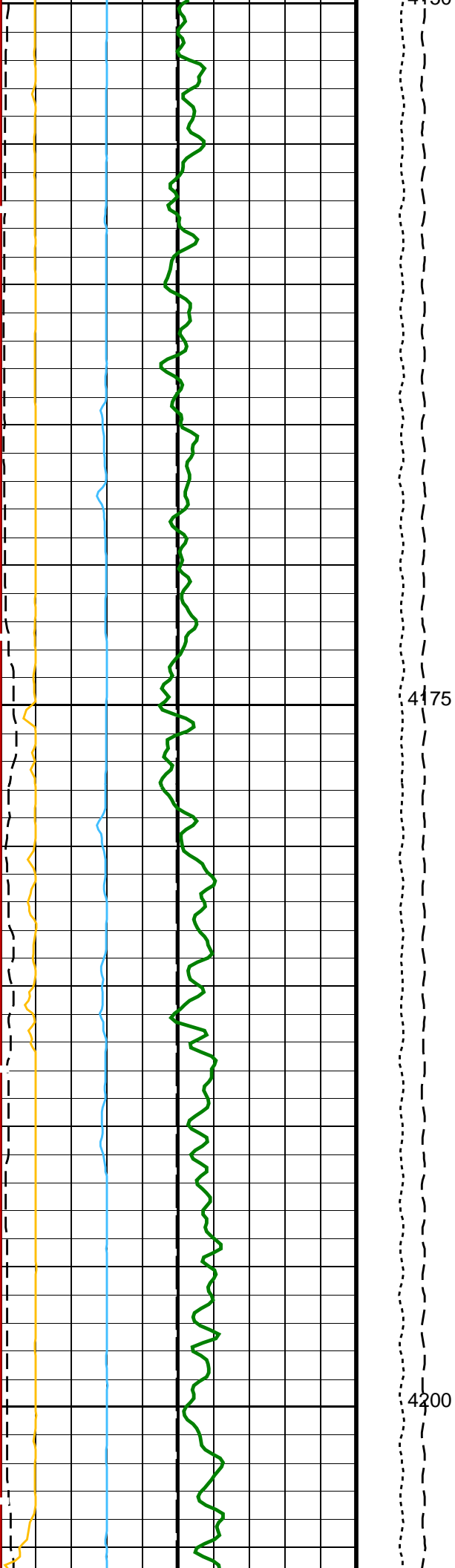


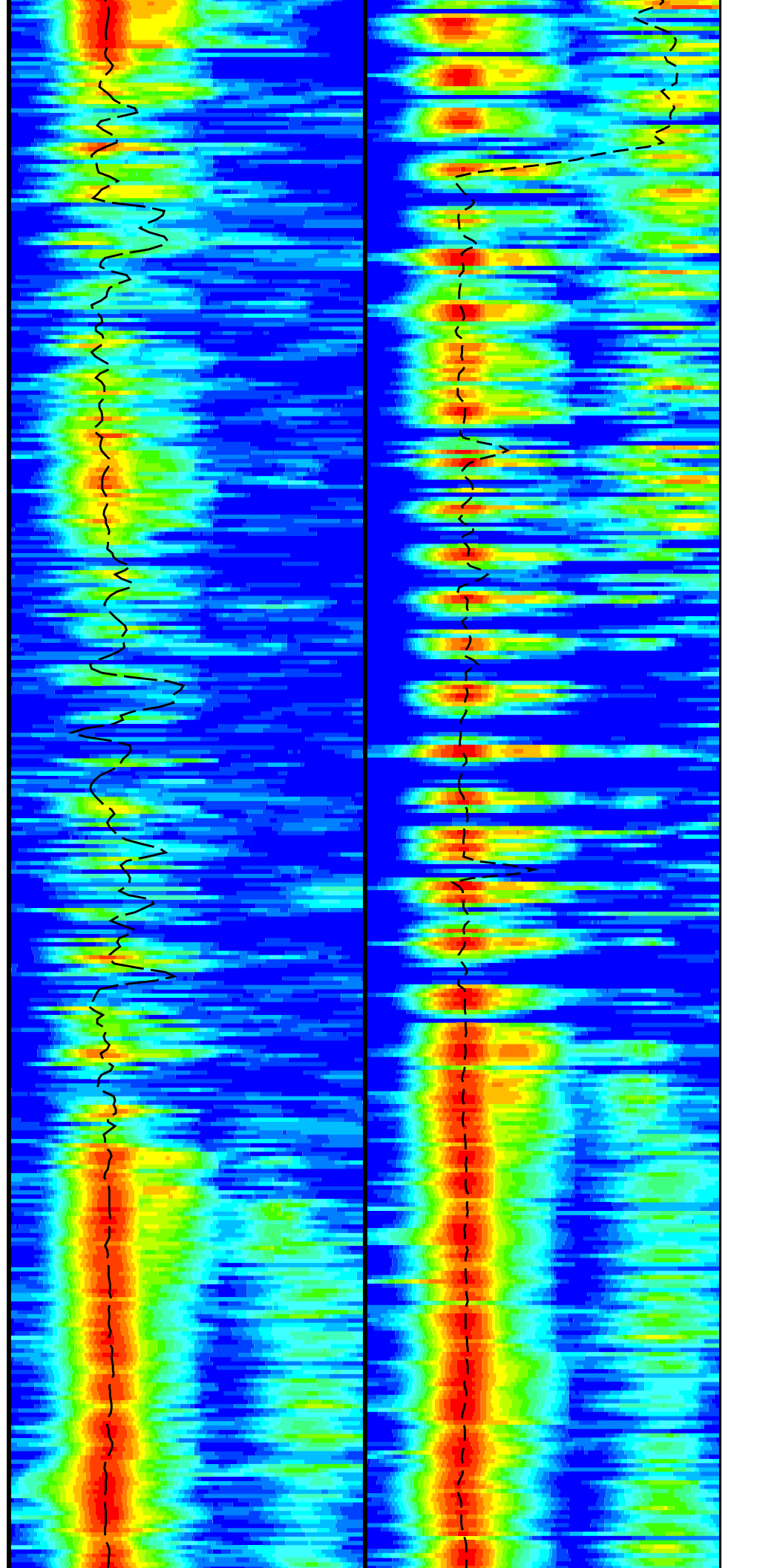
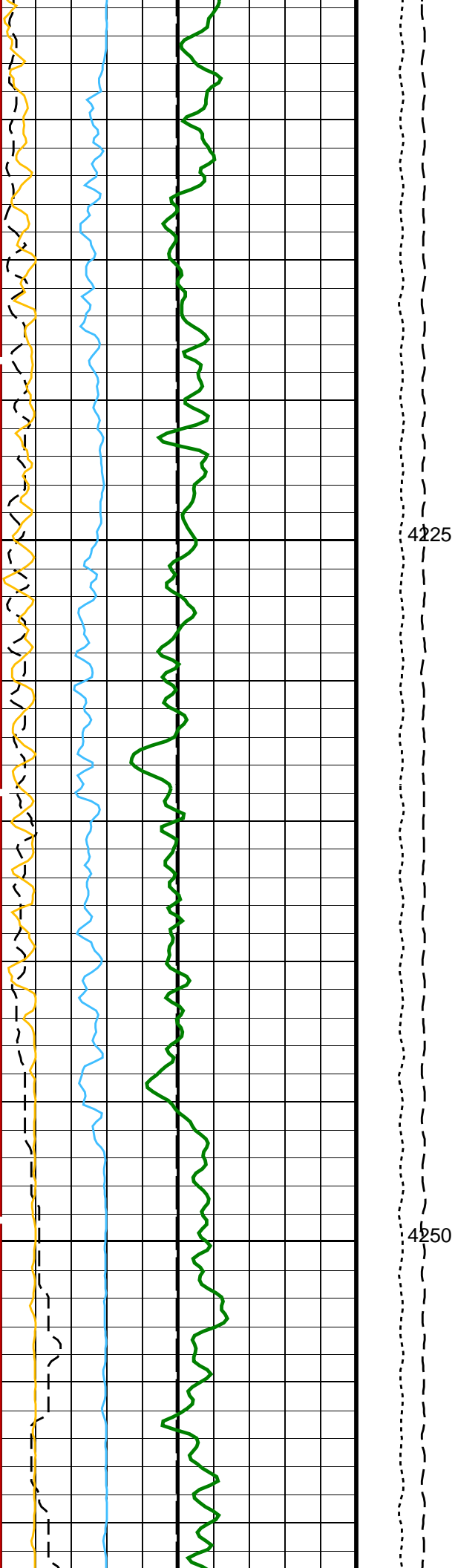
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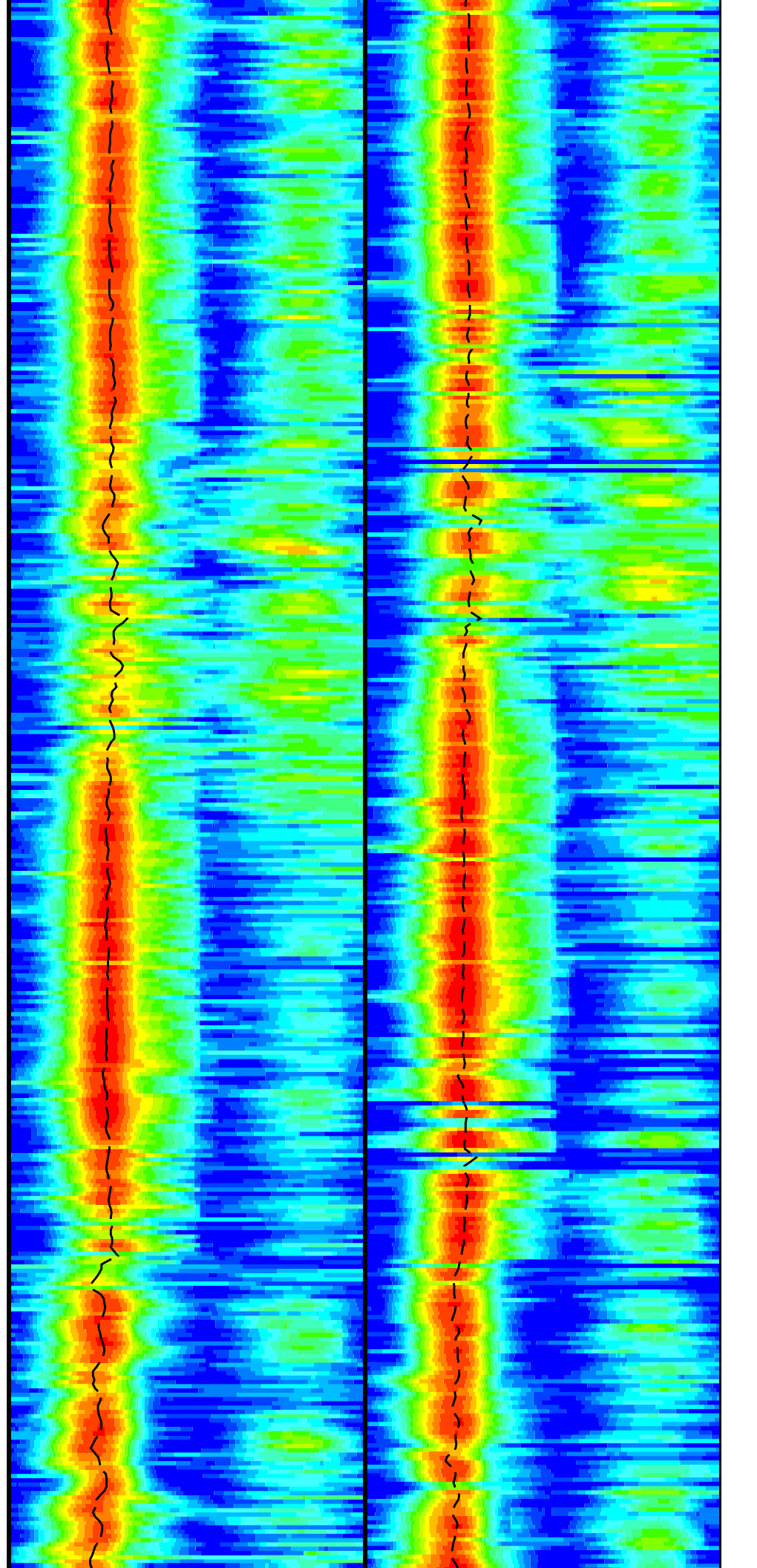
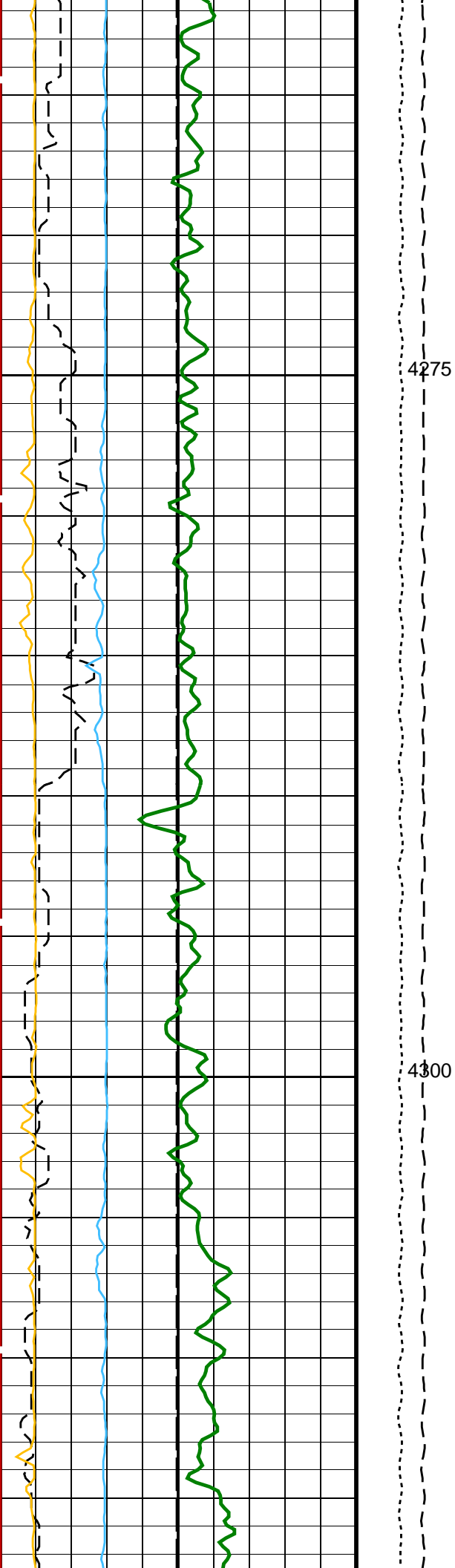
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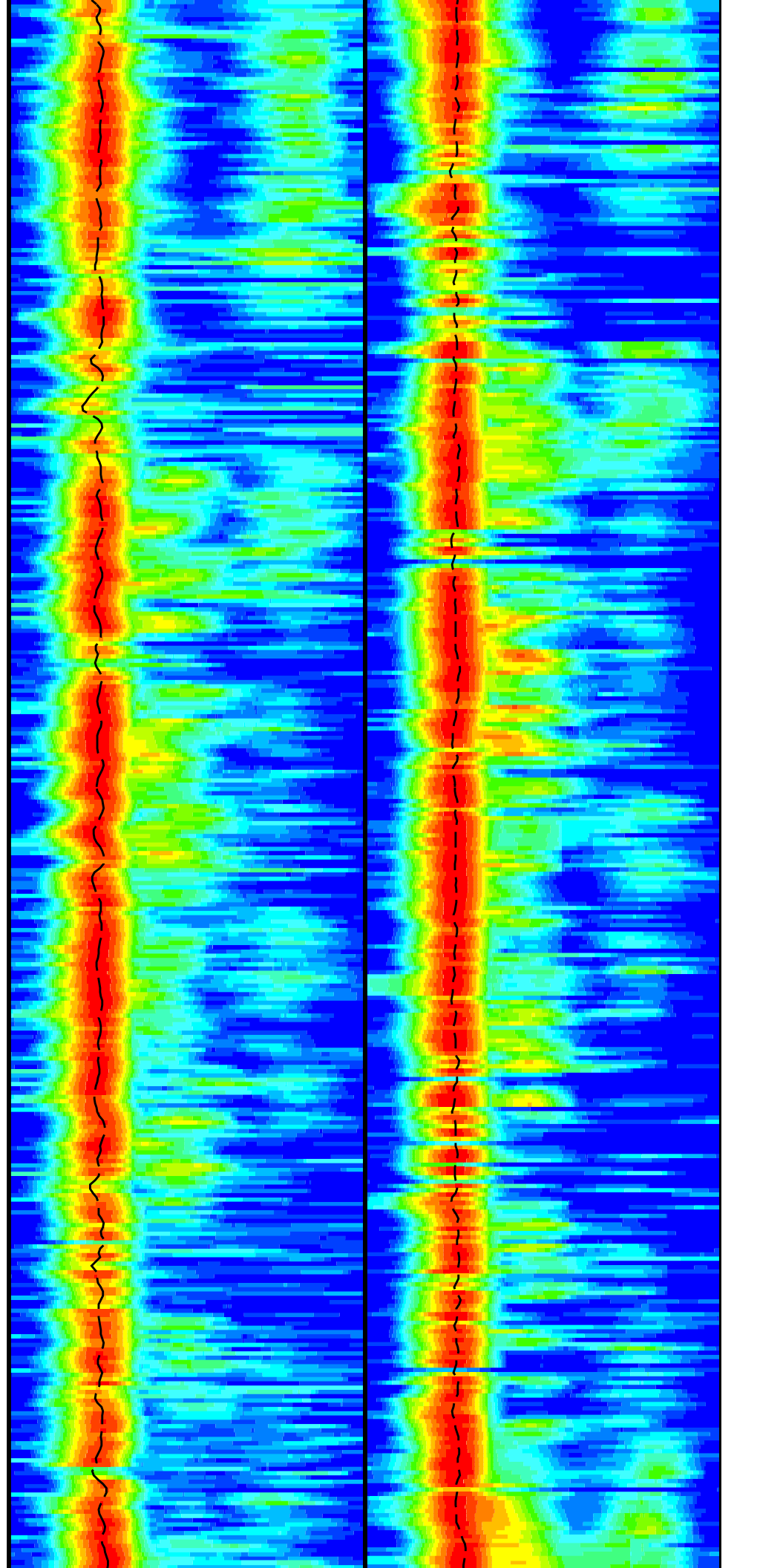
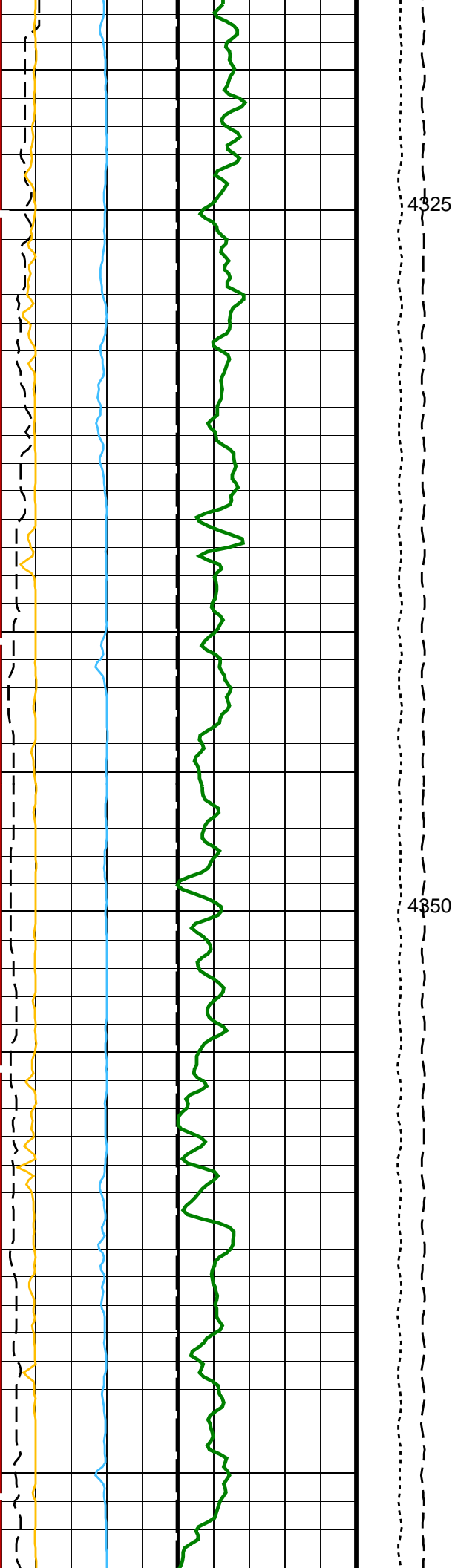


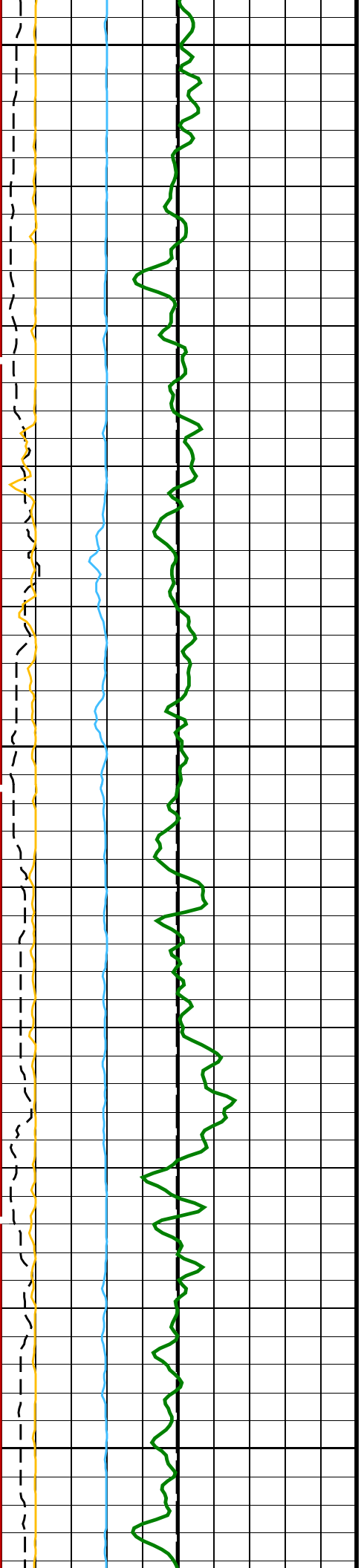








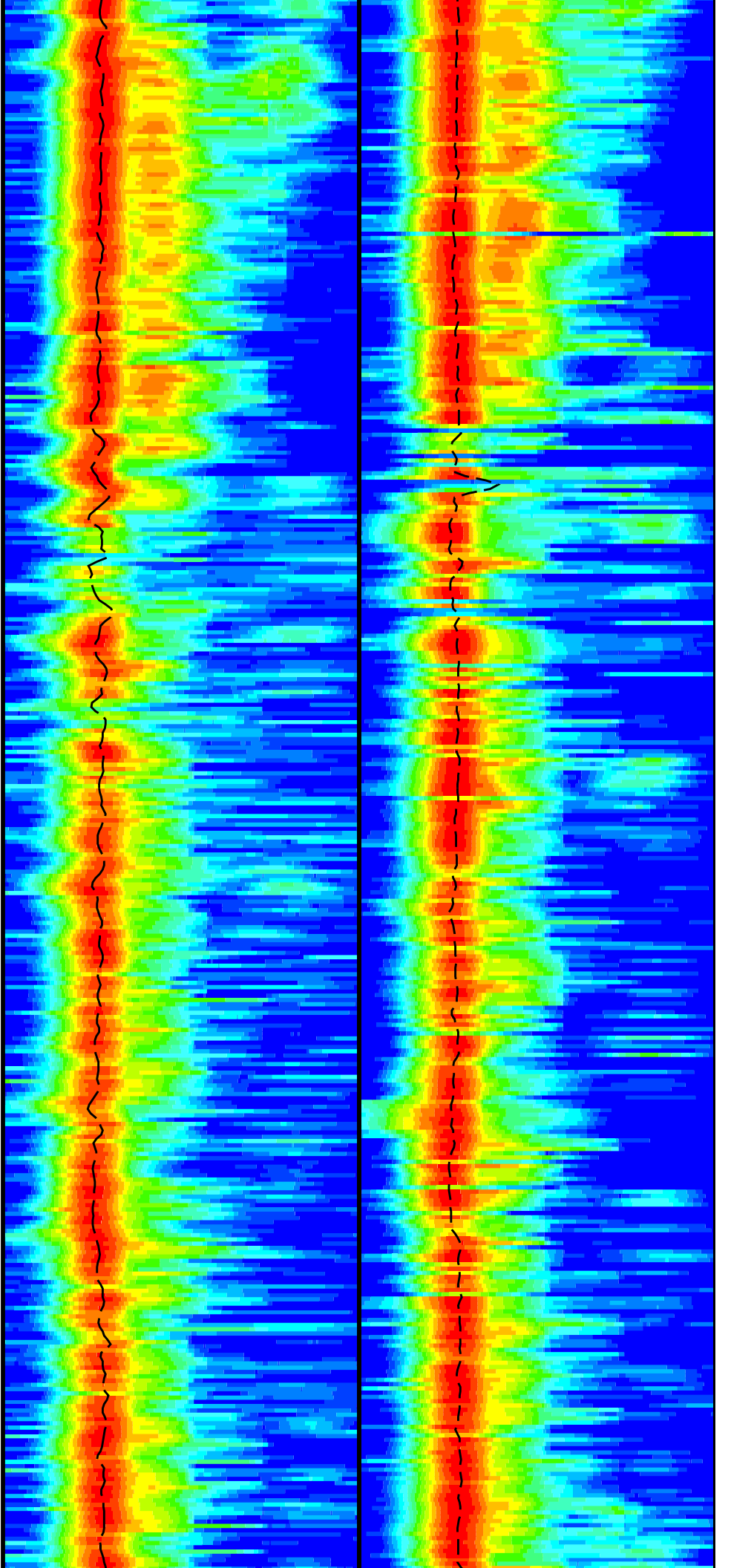


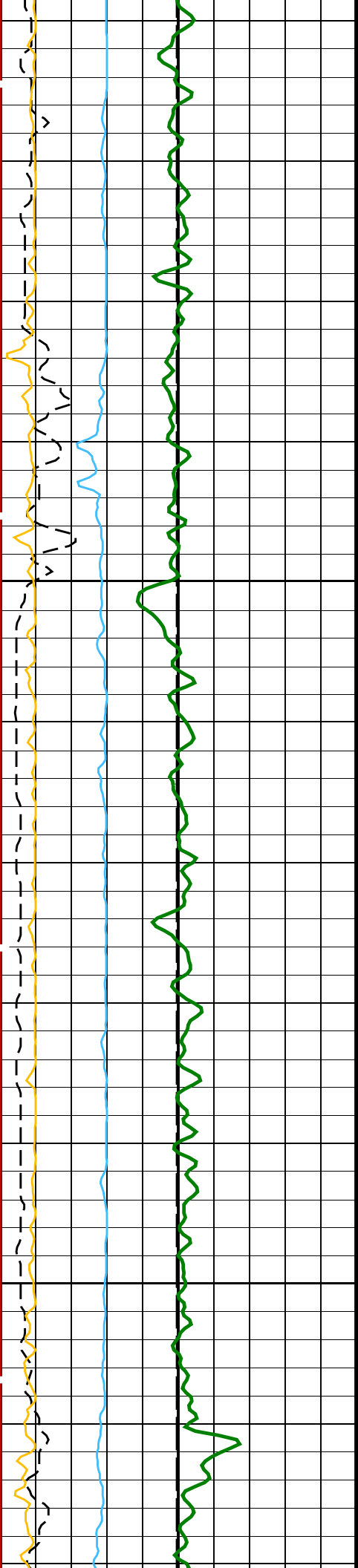


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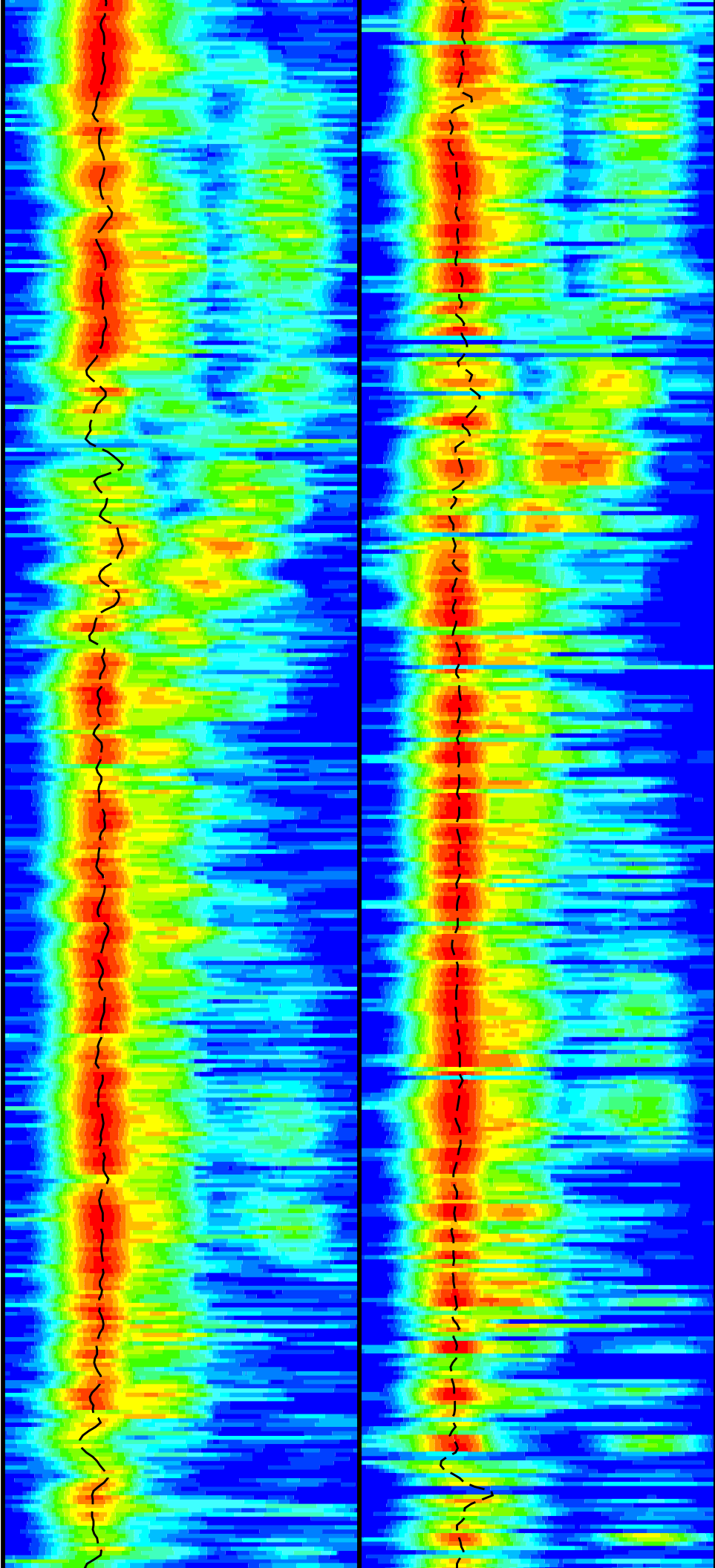
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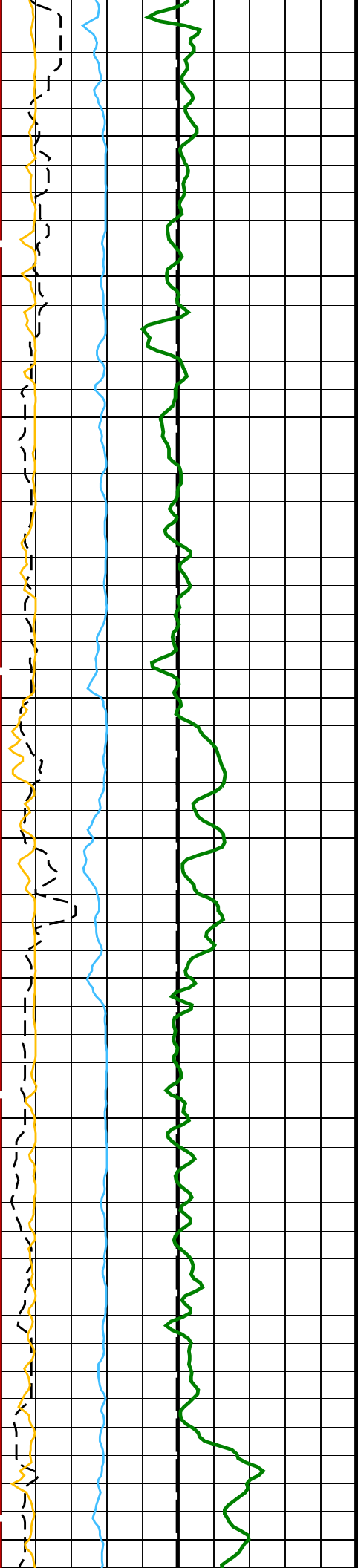




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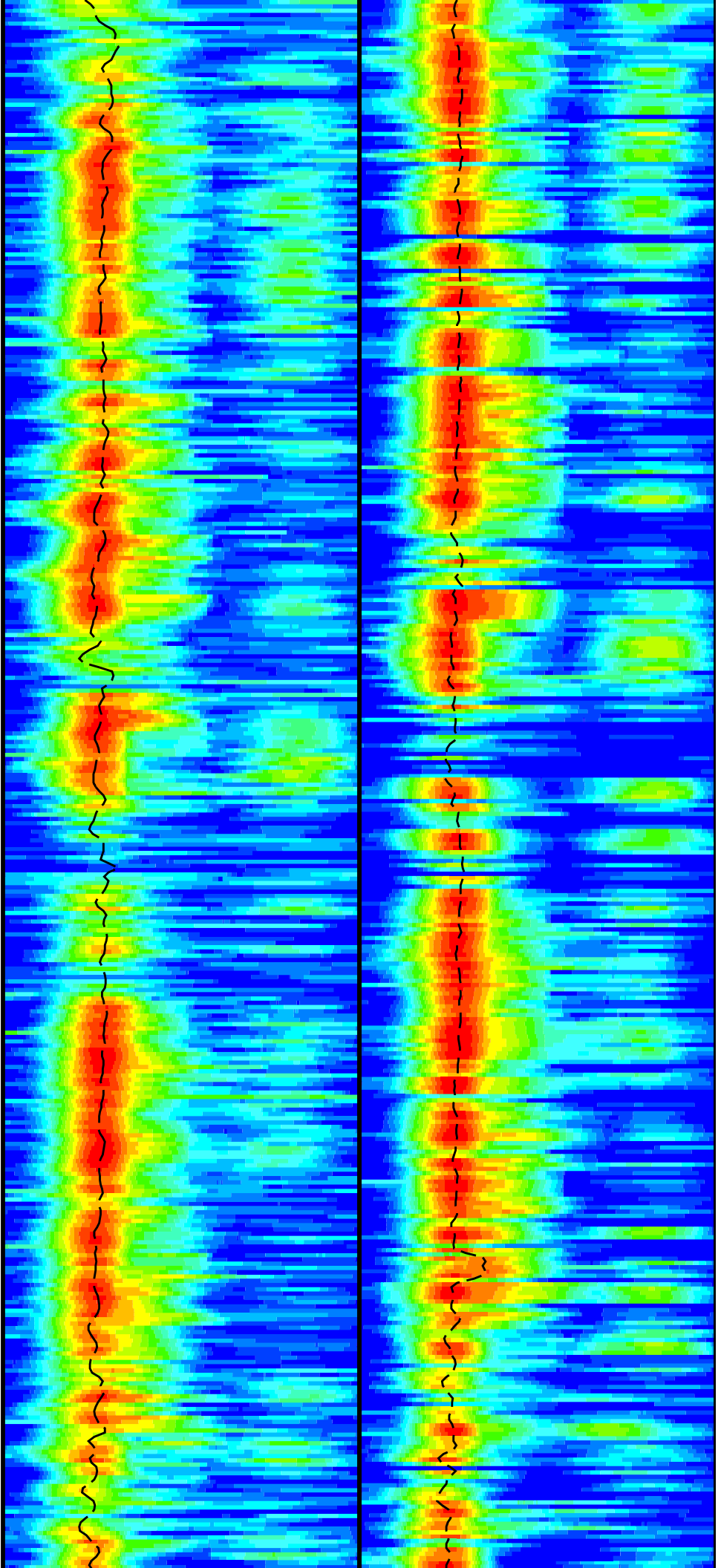
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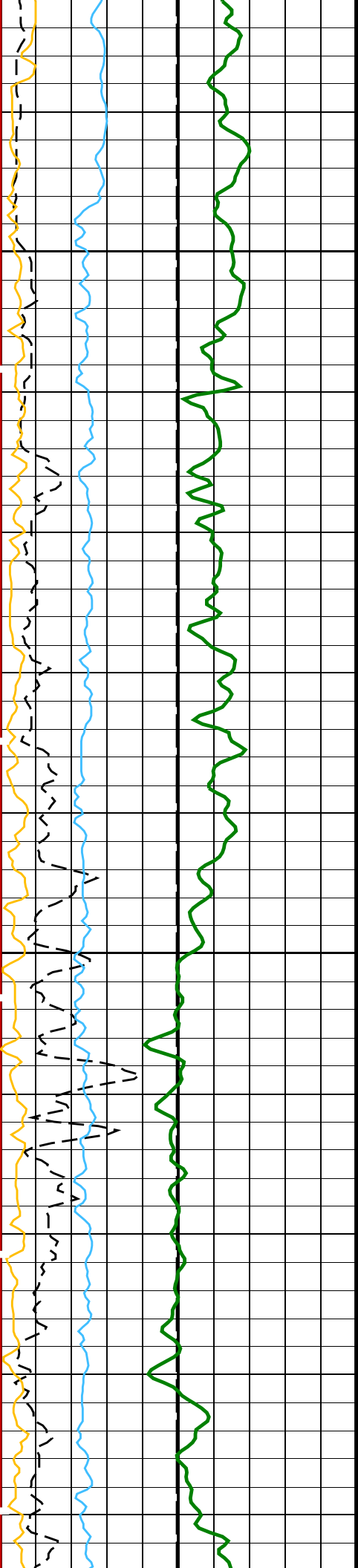




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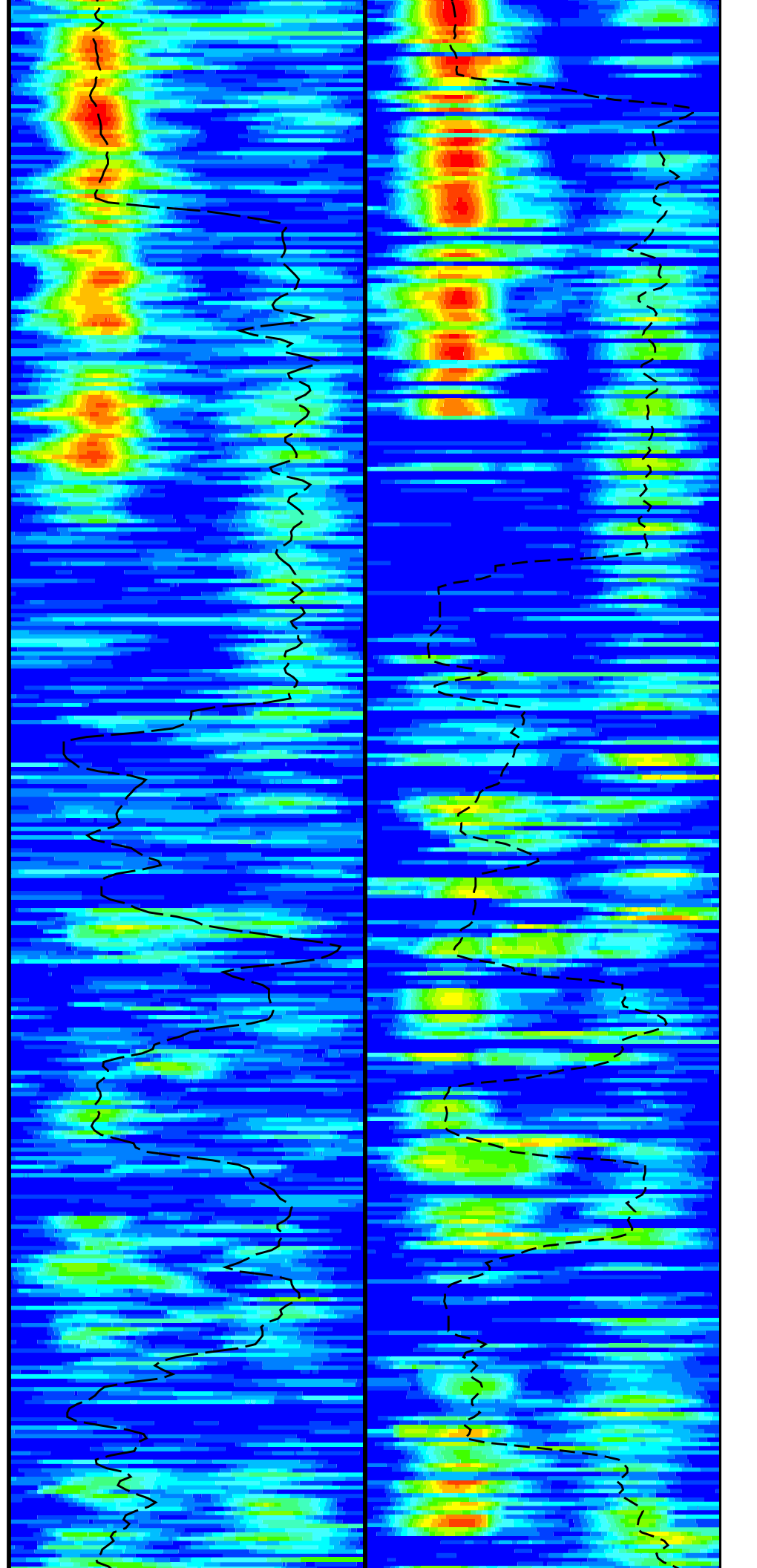
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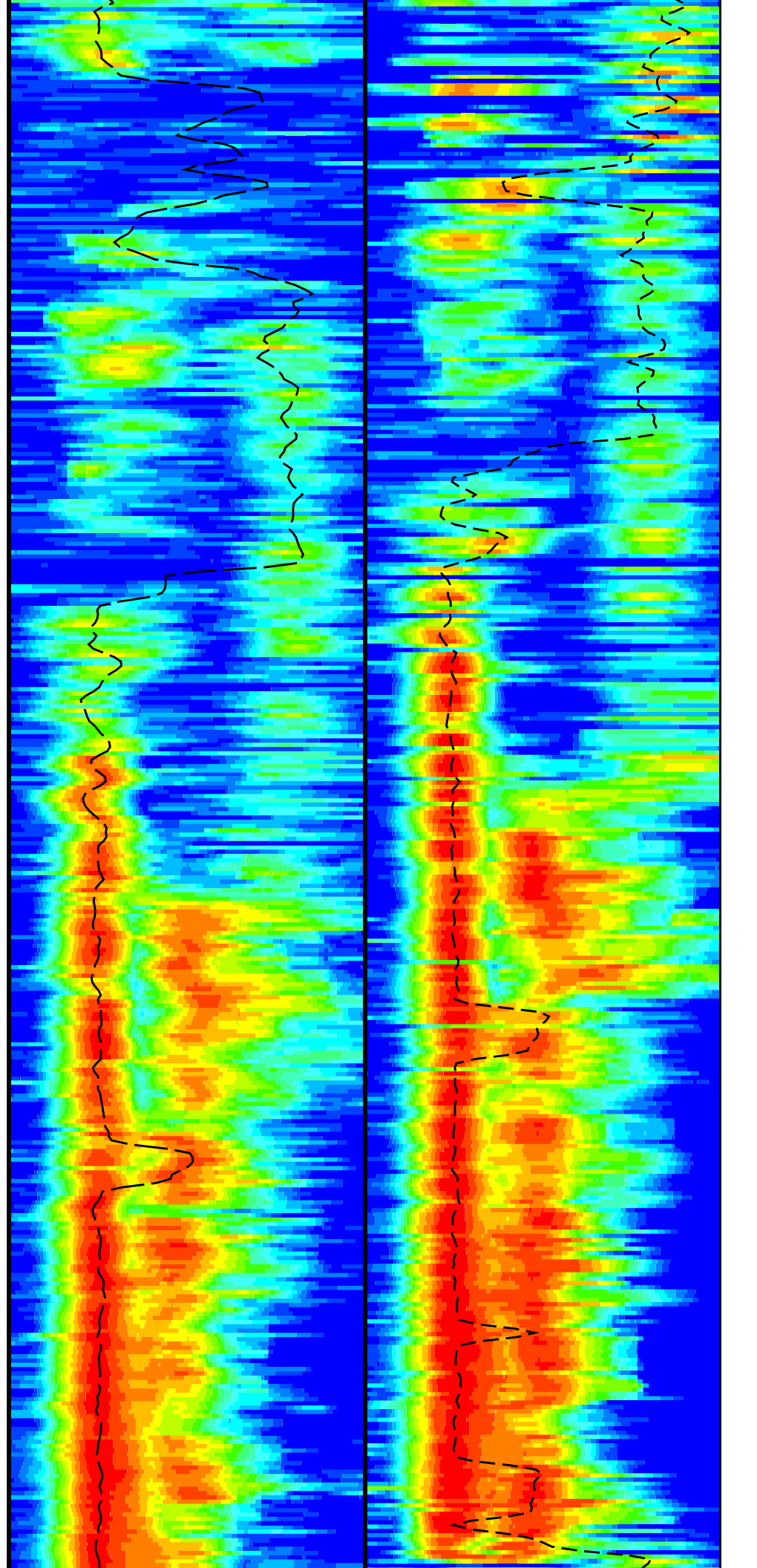
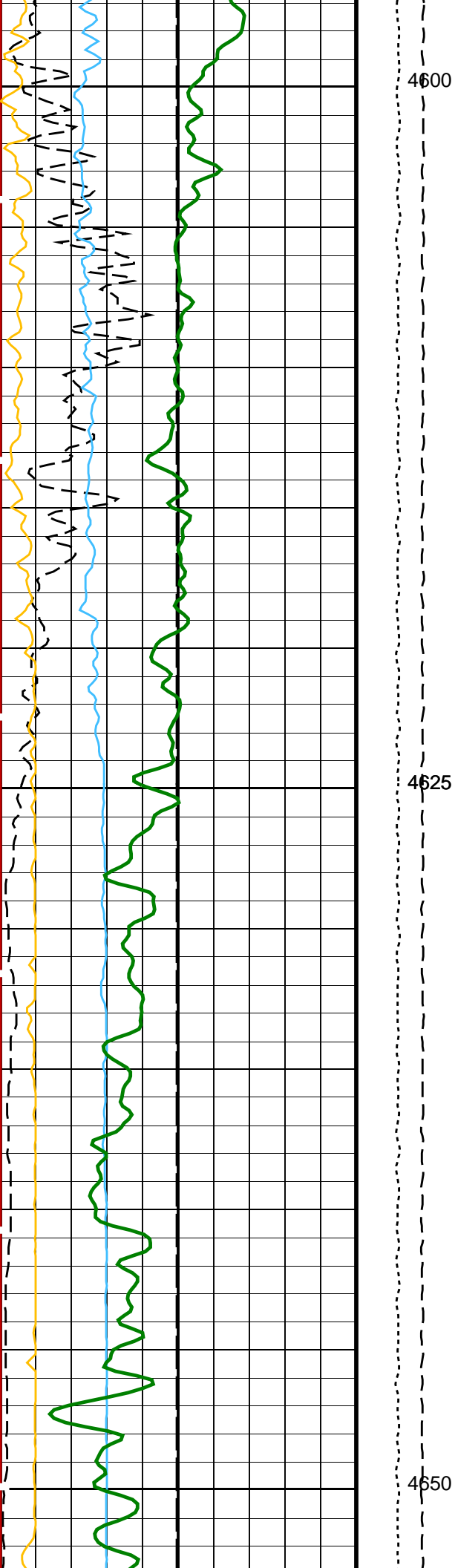


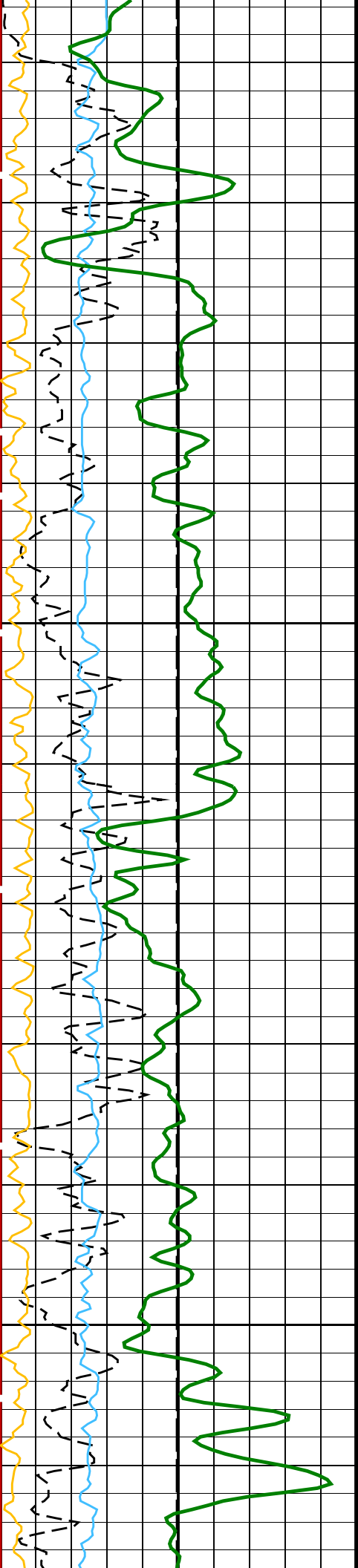


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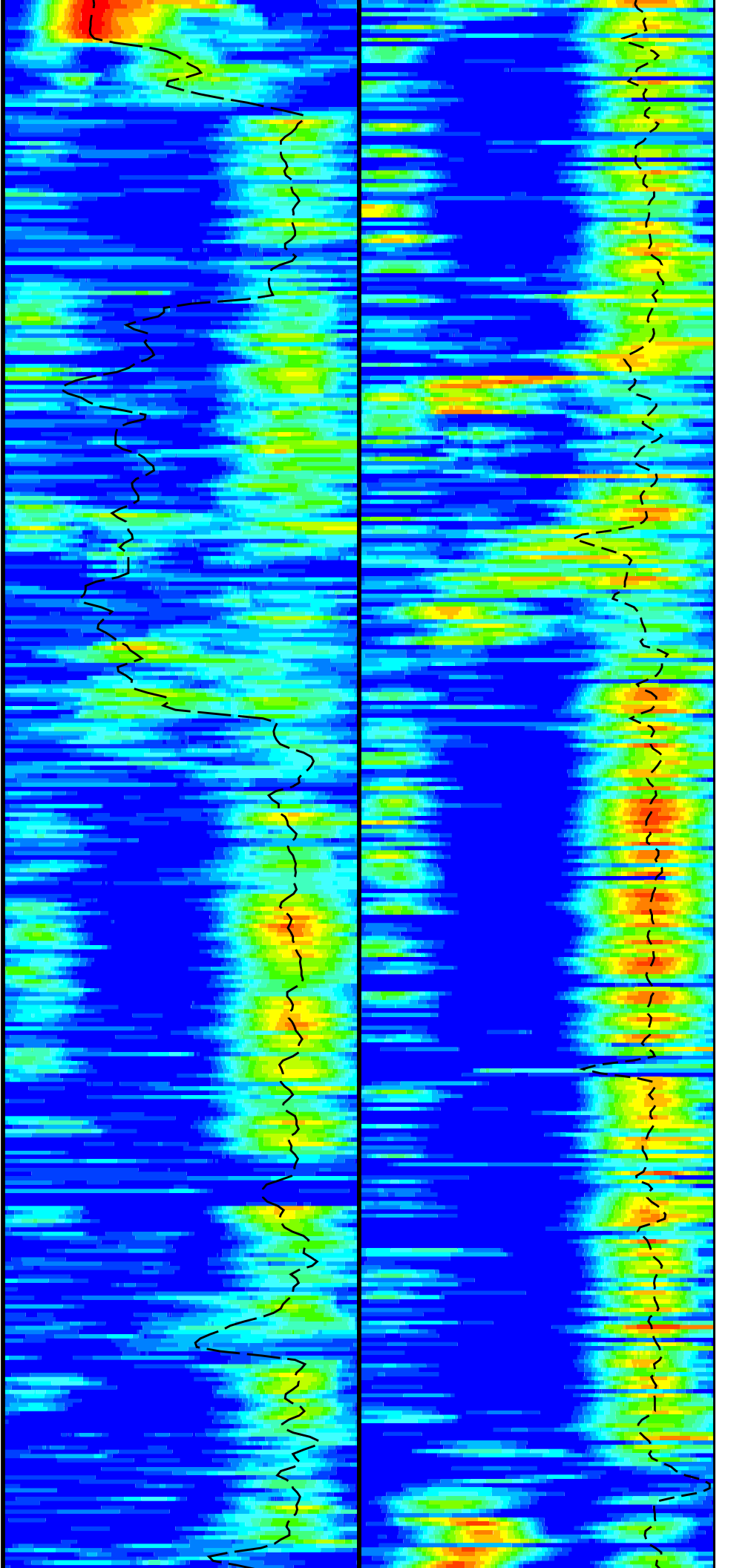


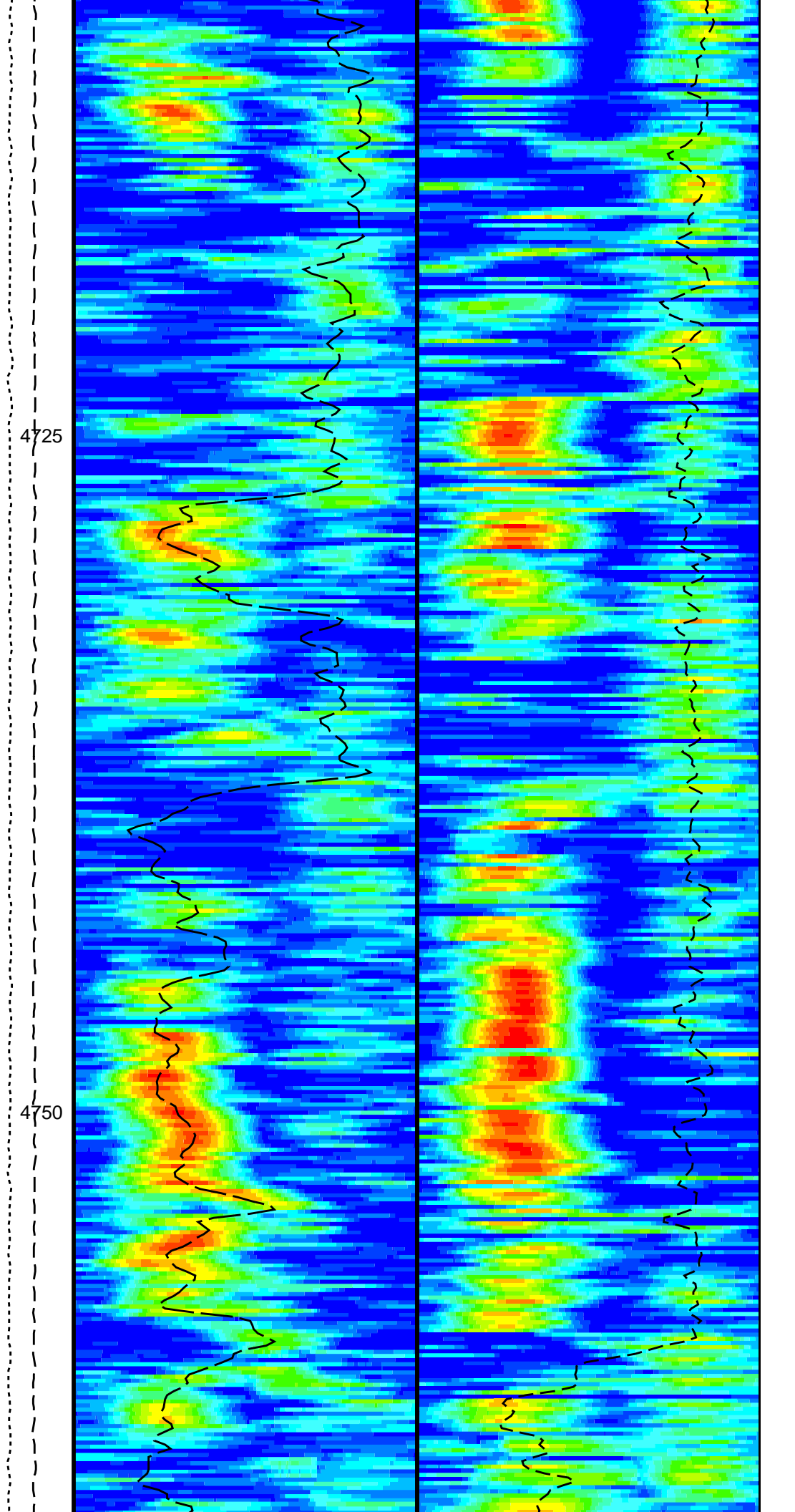
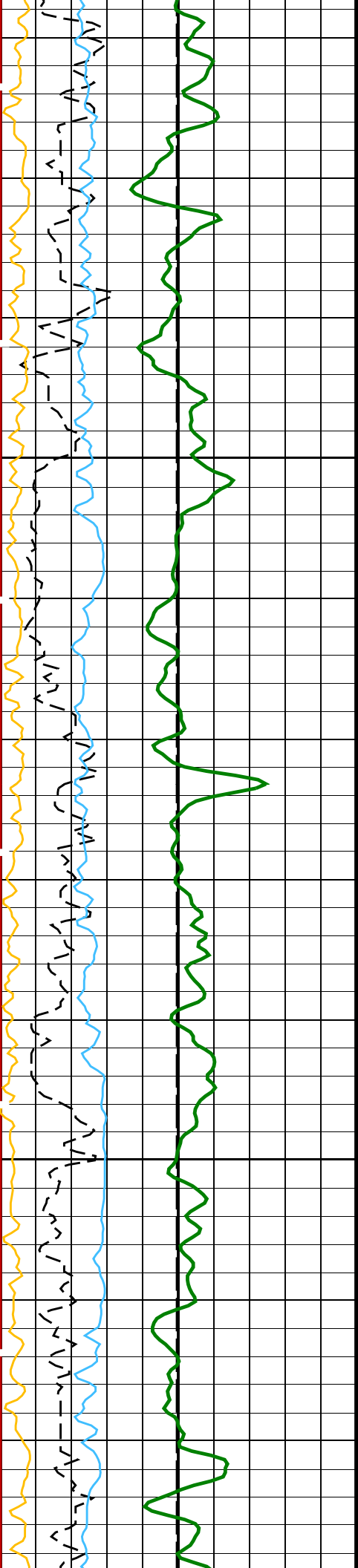


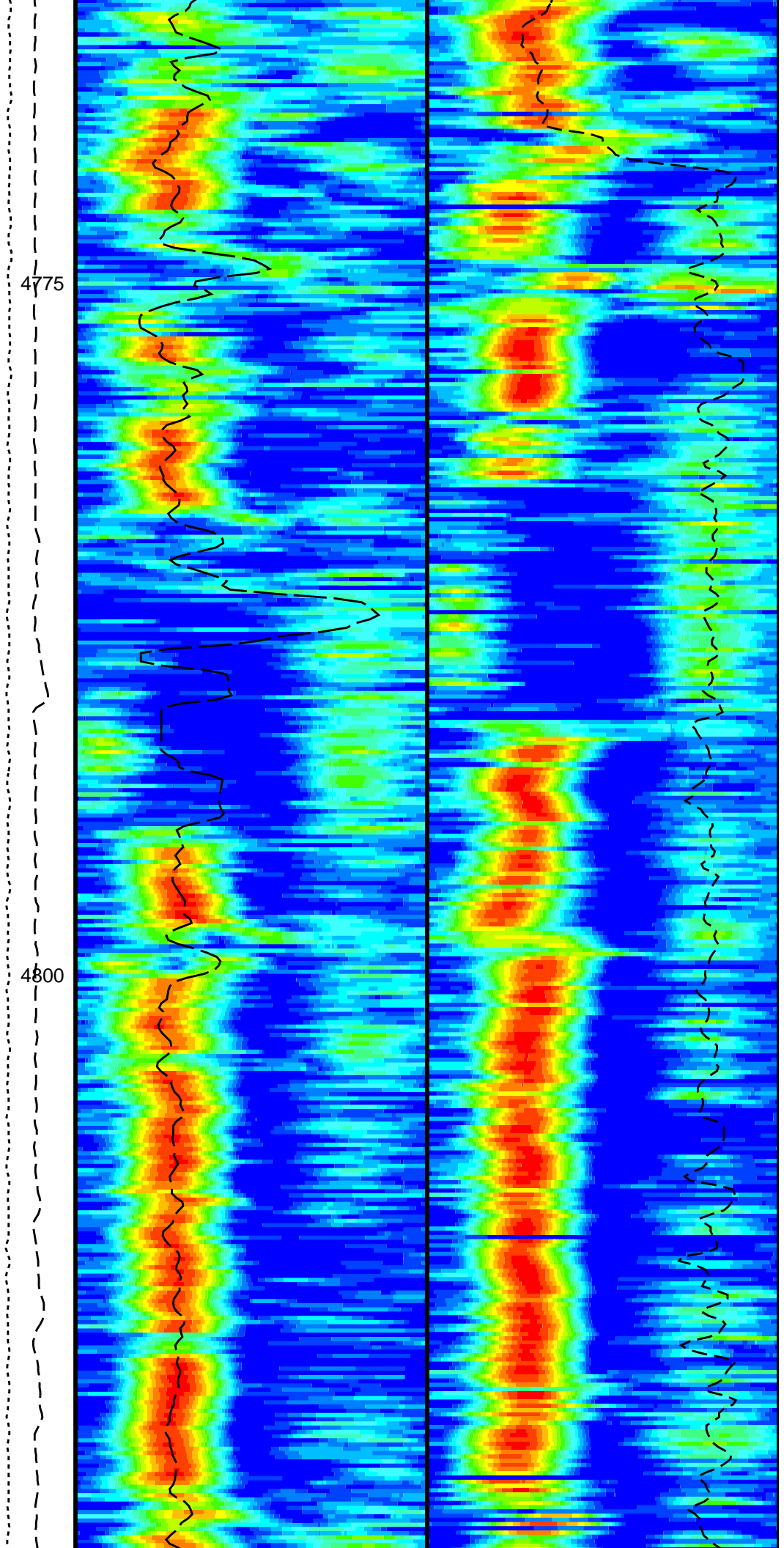
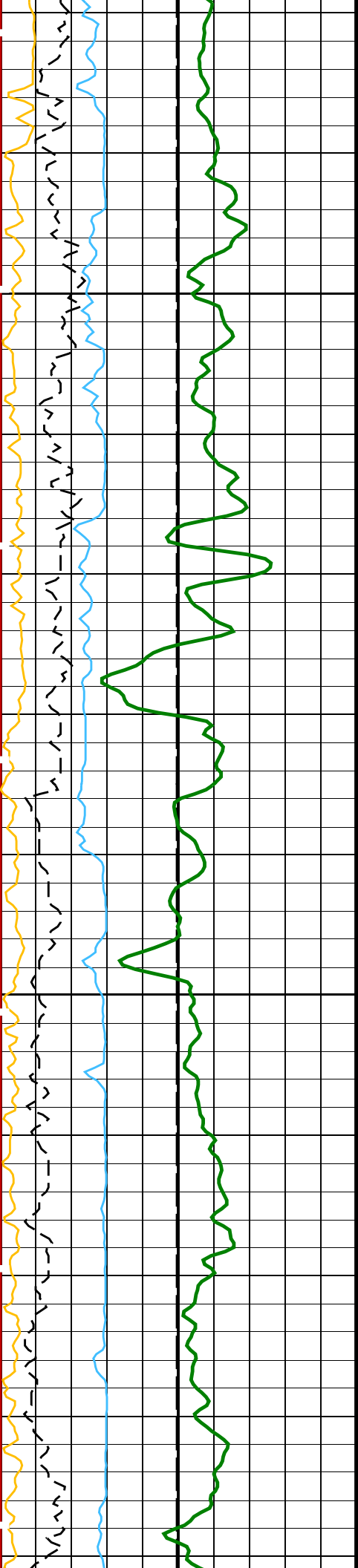


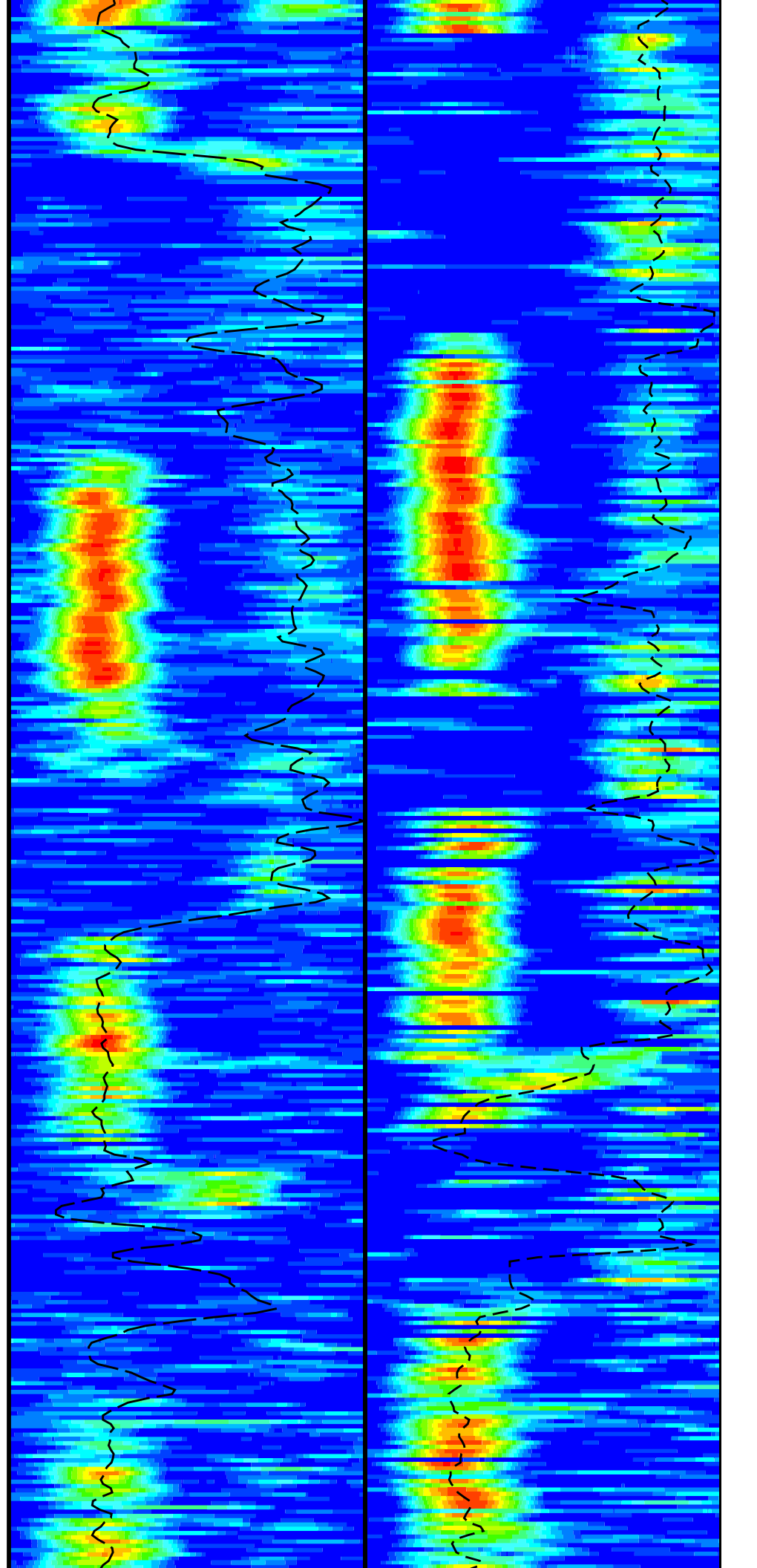
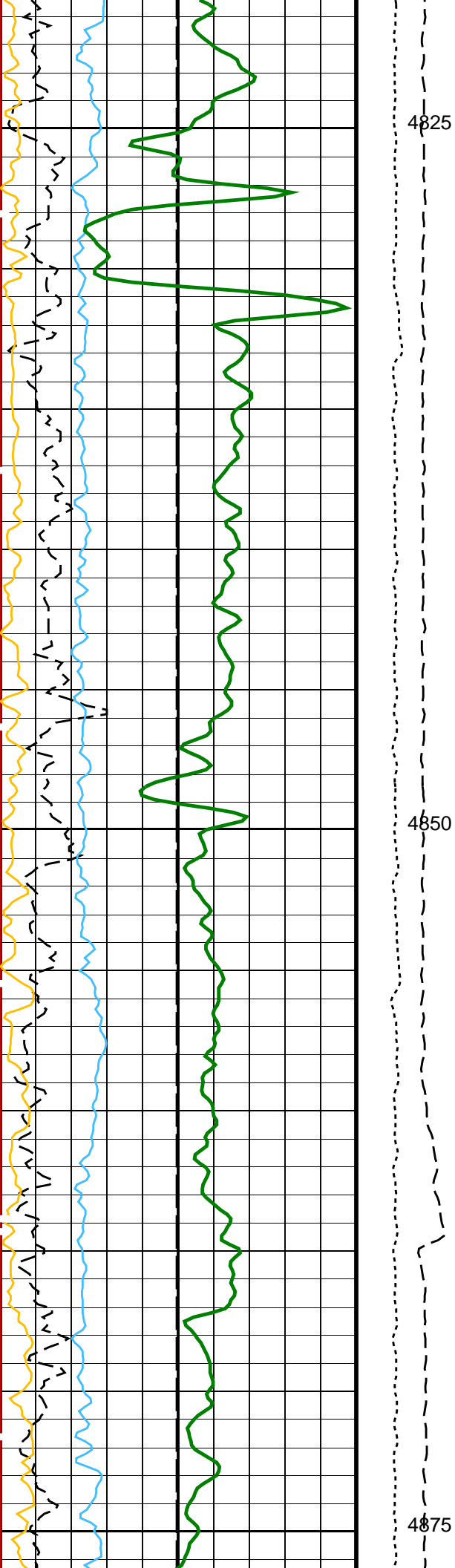
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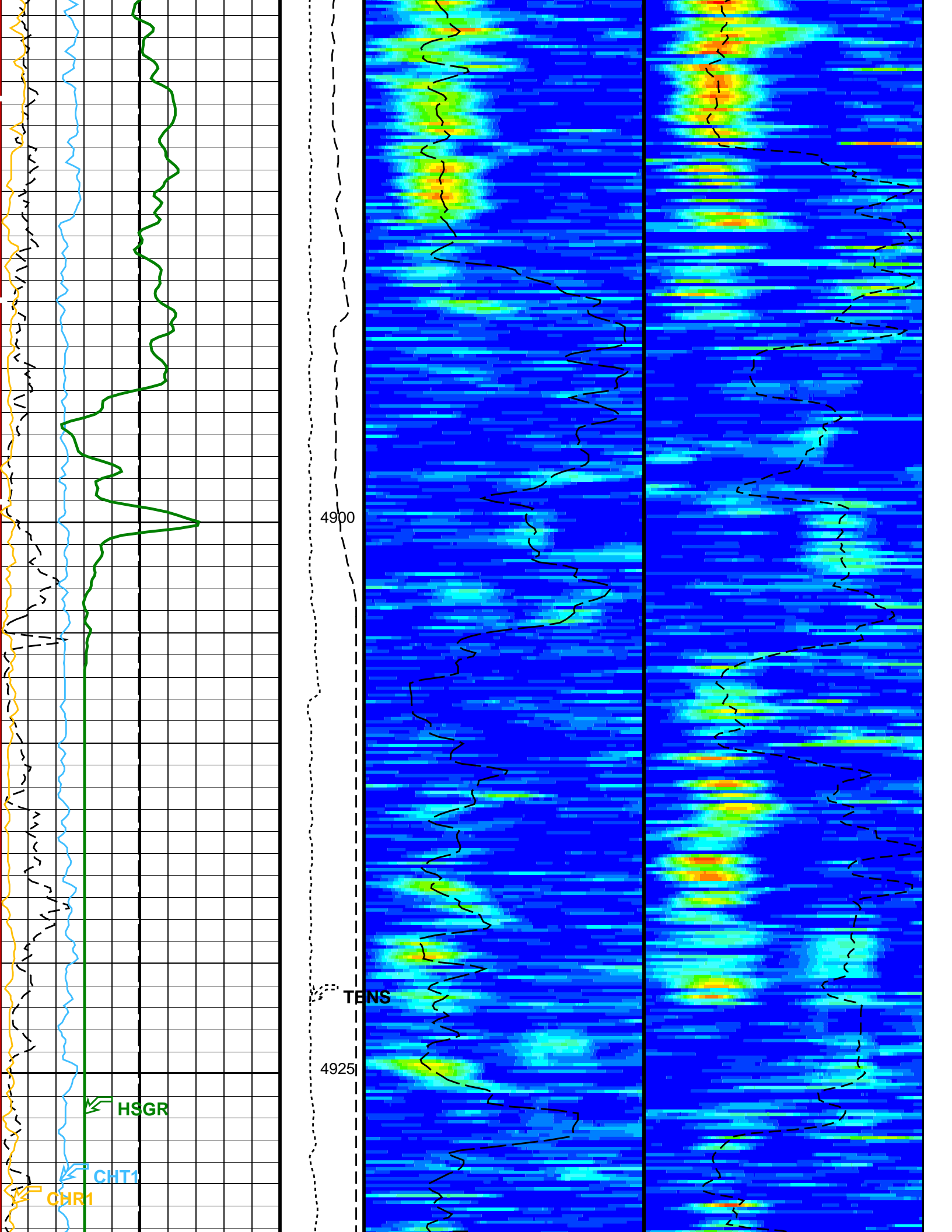
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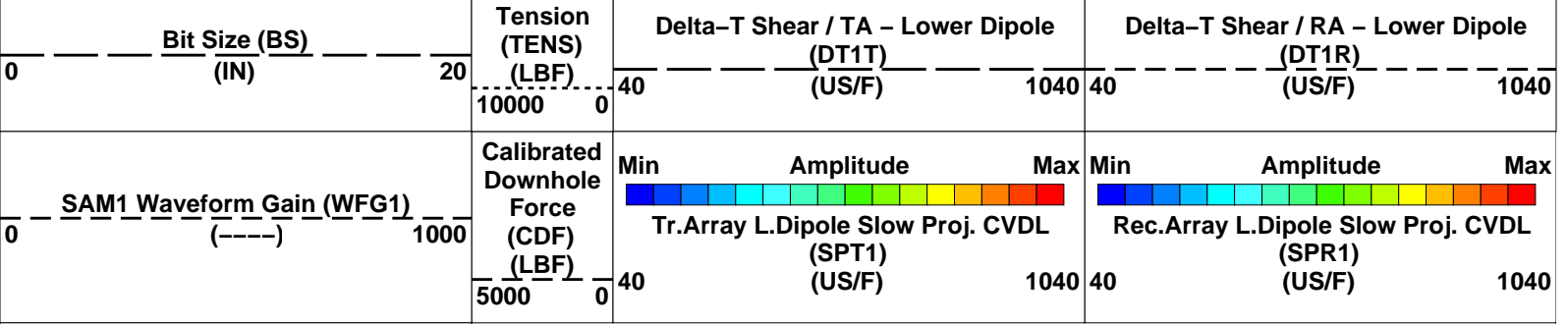
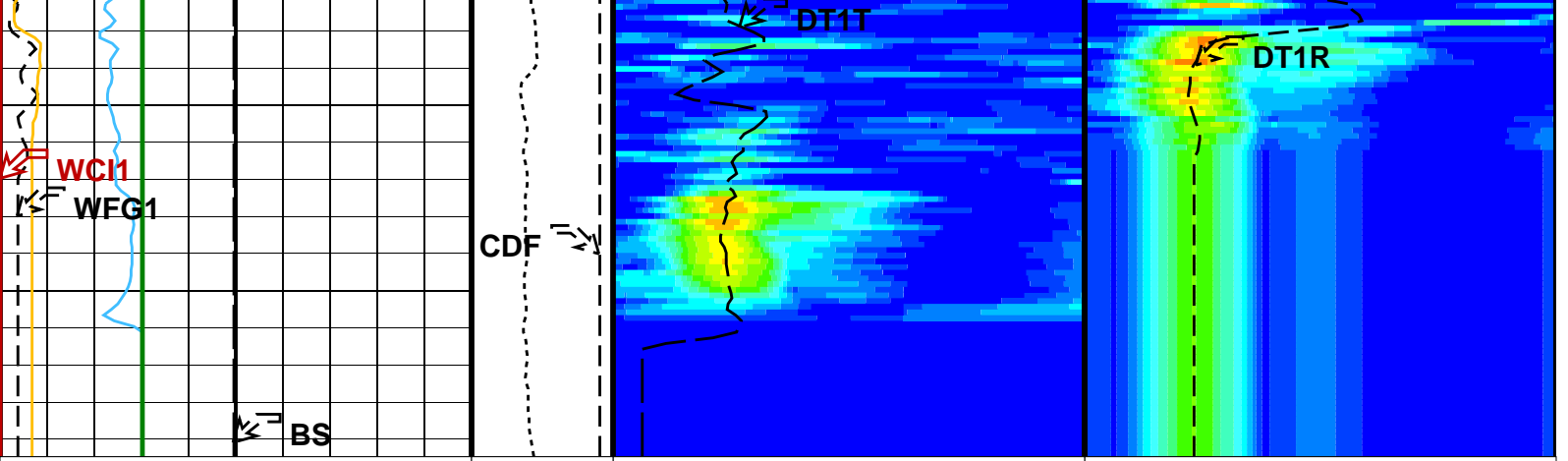












Waveform Data Copy Indicator 1 - Lower Dipole (WC1)	0	10
Peak Coherence / RA - Lower Dipole (CHR1)	0	10
Peak Coherence / TA - Lower Dipole (CHT1)	-2	8
HNGS Spectroscopy Gamma Ray (HSGR)	0	100

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
DDE1	Digitizing Delay 1	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1040 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC1	Digitizer Word Count 1	512
DWCX	Digitizer Word Count X	512
GCSE	Generalized Caliper Selection	BS
LTXG	Lower Dipole Transmitter Geometry	156 IN
NW11	Number Waveform Items 1	8
NWIX	Number Waveform Items X	0
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	LFD EVEN

SAMX		OFF	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B.3–1.5K	
SLL1	STC Slowness Lower Limit – Lower Dipole	40	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit – Lower Dipole	1040	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TLL1	STC Time Lower Limit – Lower Dipole	600	US
TST1	STC Time Step – Lower Dipole	200	US
TUL1	STC Time Upper Limit – Lower Dipole	18960	US
TWD1	STC Time Width – Lower Dipole	2000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
HRLT–B: High Resolution Laterolog Array – B			
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	10.75	IN
CSD2	Outer Casing Outer Diameter	10.75	IN
CSW1	Inner Casing Weight	45	LB/F
CSW2	Outer Casing Weight	45	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	-0.00184813	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.990521	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.00375	
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	1.32	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_LOWER_DIPOLE_RC_TR_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06–Apr–2017 20:17

OP System Version: 19C0–187

DSST–B	19C0–187	HRLT–B	19C0–187
HLDS	19C0–187	LDSC–B	19C0–187
HNGC–B	19C0–187	HNGS–BA	19C0–187
EDTC–B	SKK–5169–EDTCB		

Input DLIS Files

DEFAULT	Flip_DSI_HRLA_LDL_029LUP	PRODUCER	06–Apr–2017 18:02	4944.5 M	3717.0 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_036PUP	FN:47	PRODUCER	06–Apr–2017 20:17
BACKUP	DSI_HRLA_LDL_NGS_036PUP	FN:48	PRODUCER	06–Apr–2017 20:17

Input DLIS Files

Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_036PUP	FN:47	PRODUCER	06-Apr-2017 20:17	4944.5 M	3717.0 M
BACKUP	DSI_HRLA_LDL_NGS_036PUP	FN:48	PRODUCER	06-Apr-2017 20:17	4944.5 M	3717.0 M

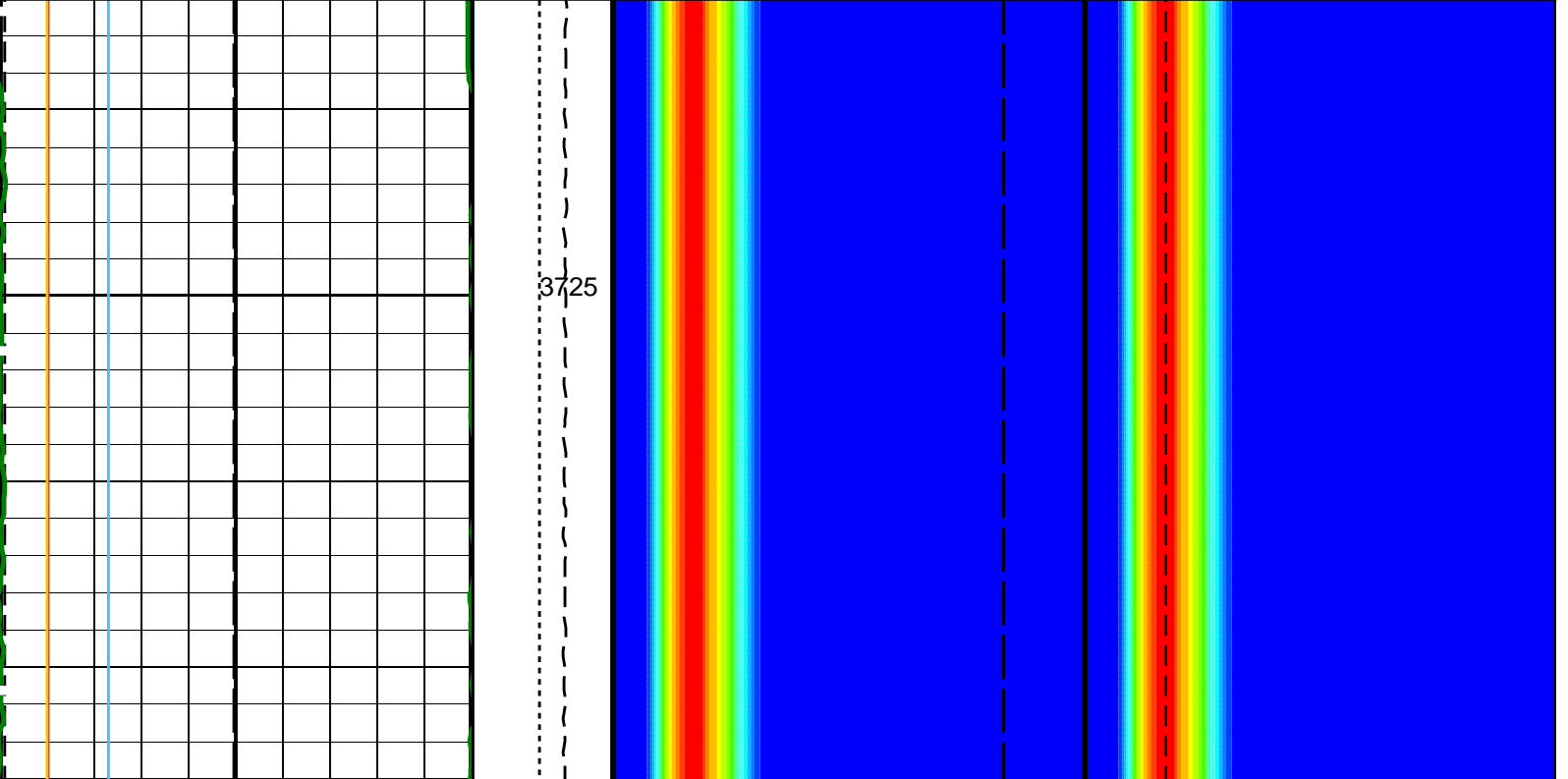
OP System Version: 19C0-187

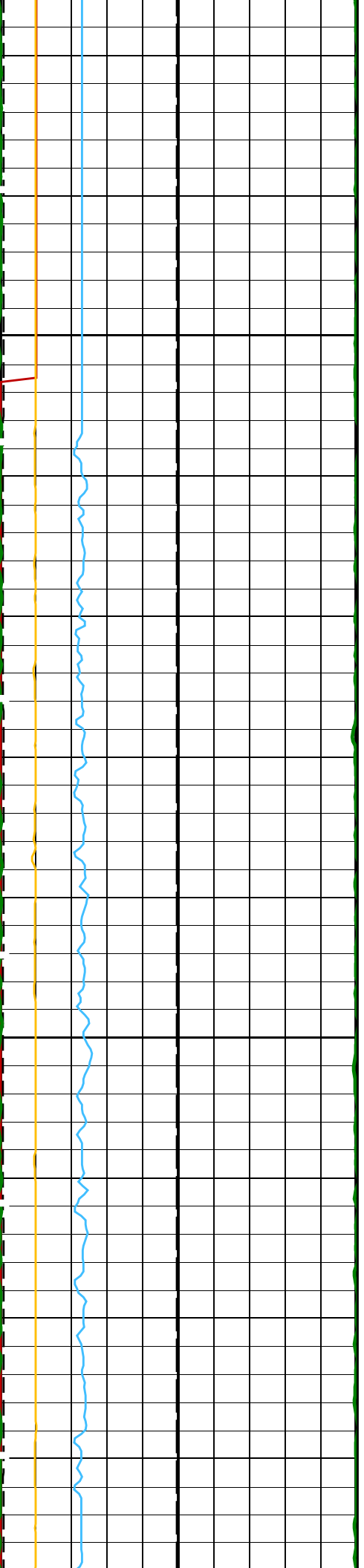
DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

Time Mark Every 60 S

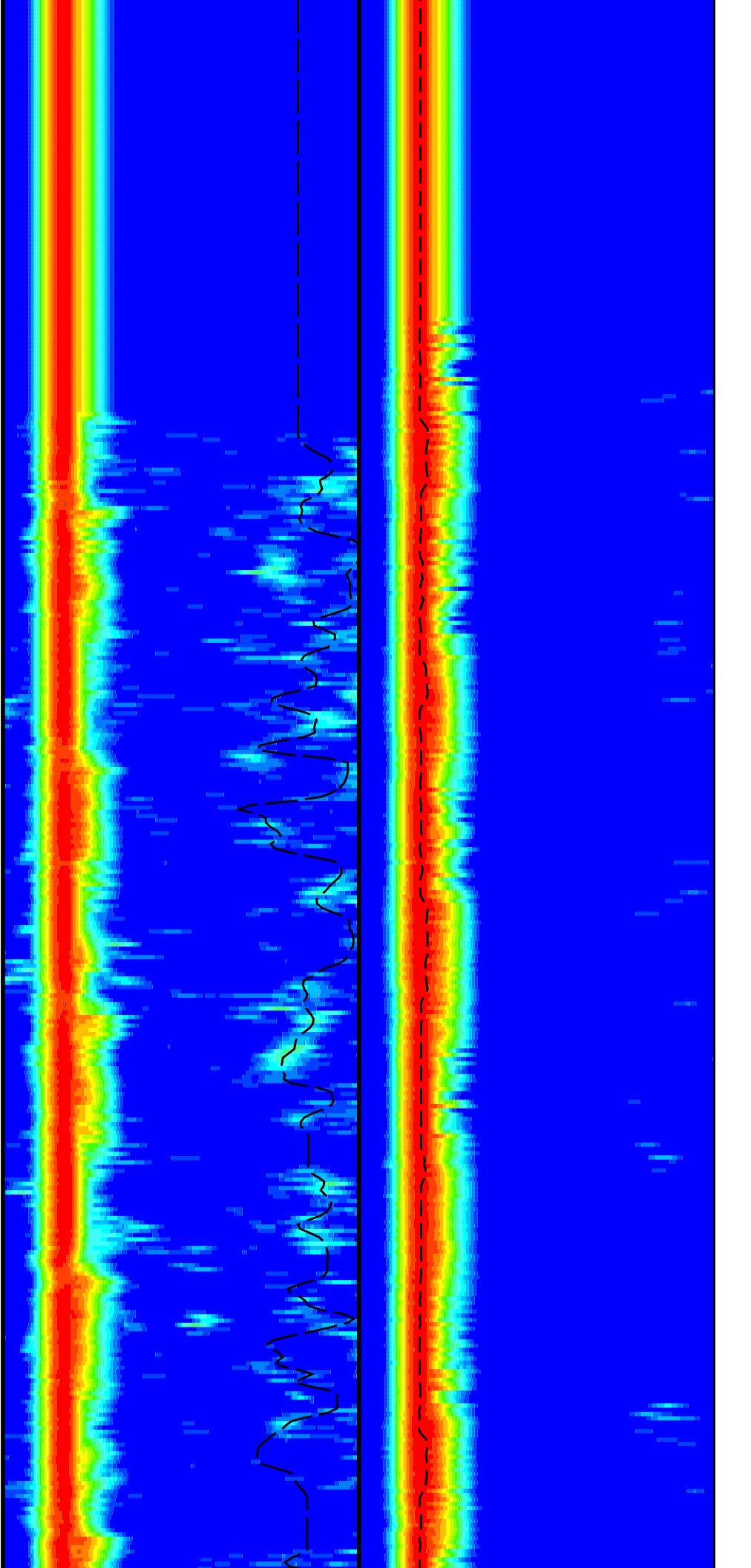
HNGS Spectroscopy Gamma Ray (HSGR)			
0 (GAPI) 100			
Peak Coherence / TA - Upper Dipole (CHT2)			
-2 (----) 8			
Peak Coherence / RA - Upper Dipole (CHR2)			
0 (----) 10			
Waveform Data Copy Indicator 2 - Upper Dipole (WCI2)			
0 (----) 10			
SAM2 Waveform Gain (WFG2)	Calibrated Downhole Force (CDF) (LBF)	Min Amplitude Max Tr.Array U.Dipole Slow Proj. CVDL (SPT2) (US/F)	Min Amplitude Max Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)
0 (----) 1000	5000 0 40 1040		40 1040
Bit Size (BS)	Tension (TENS) (LBF)	Delta-T Shear / TA - Upper Dipole (DT2T) (US/F)	Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)
0 (IN) 20	10000 0 40 1040		40 1040

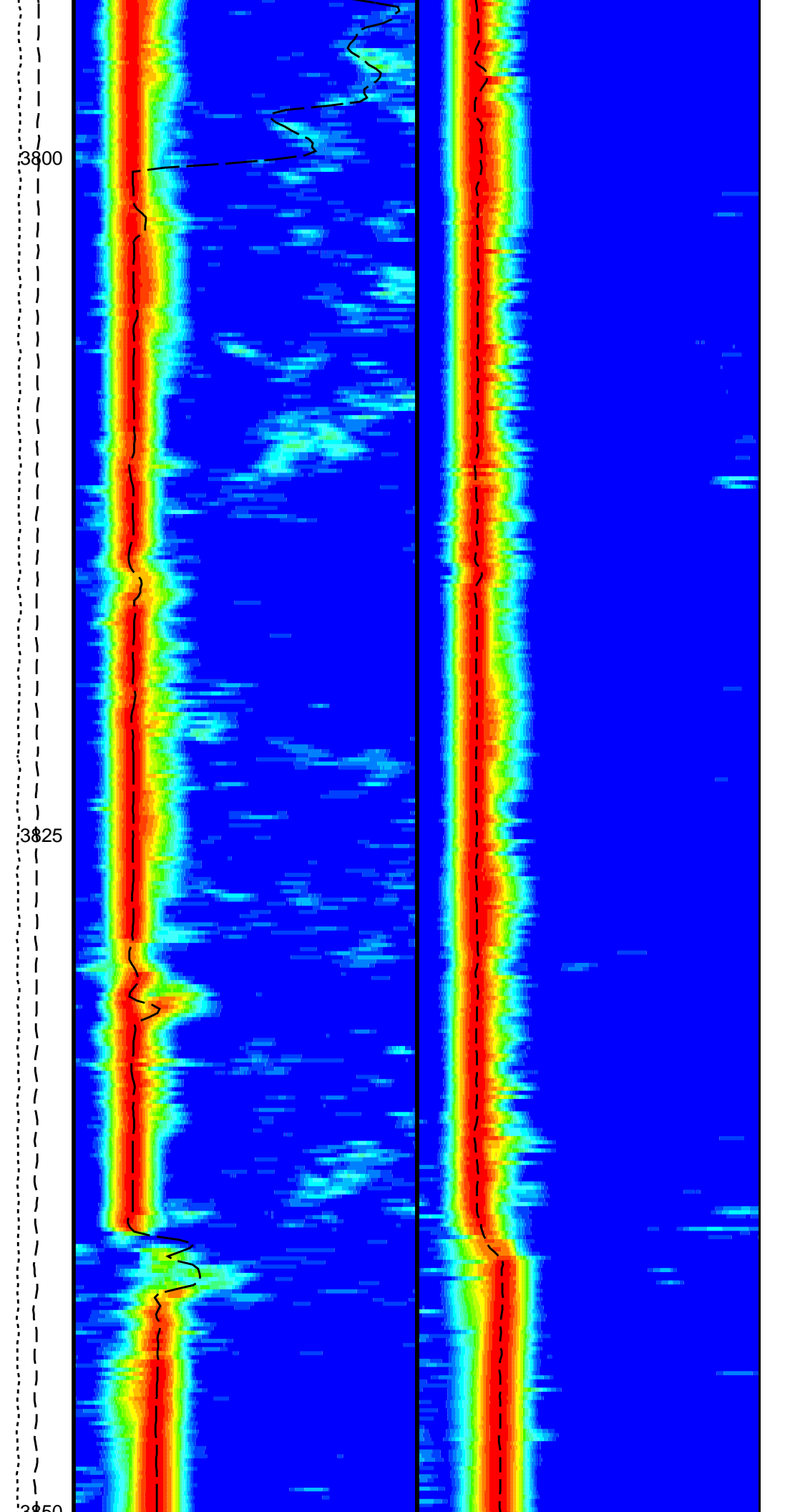
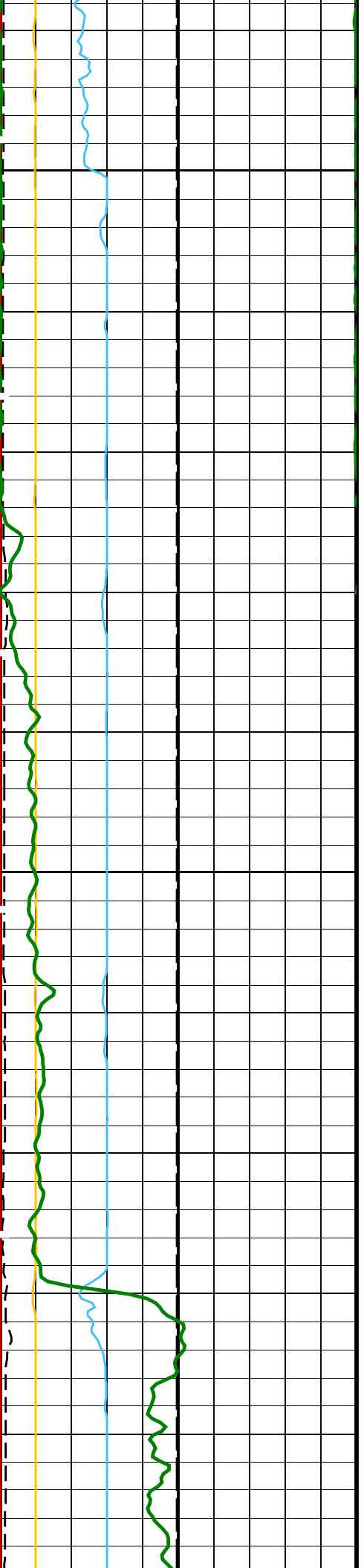


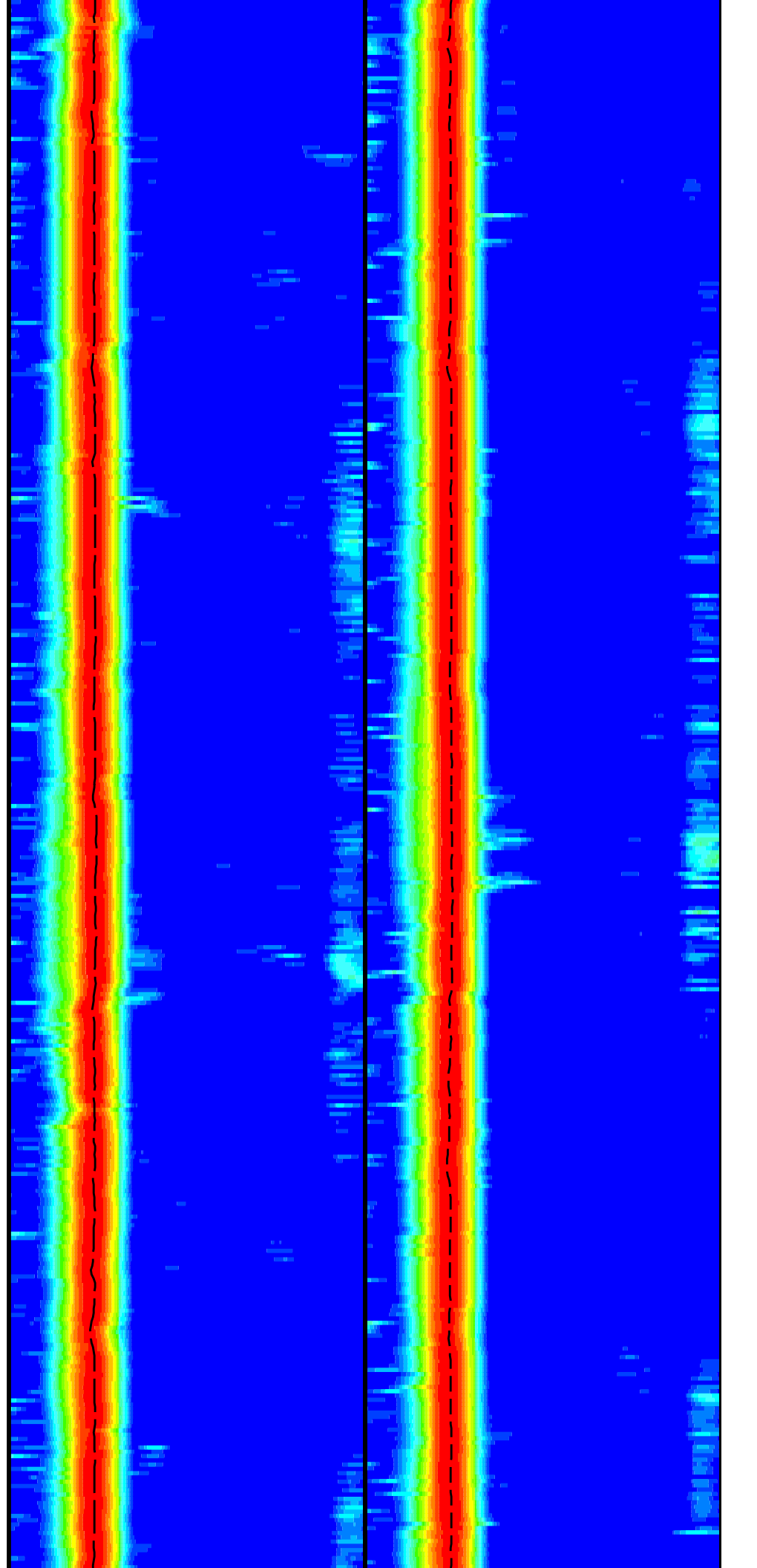
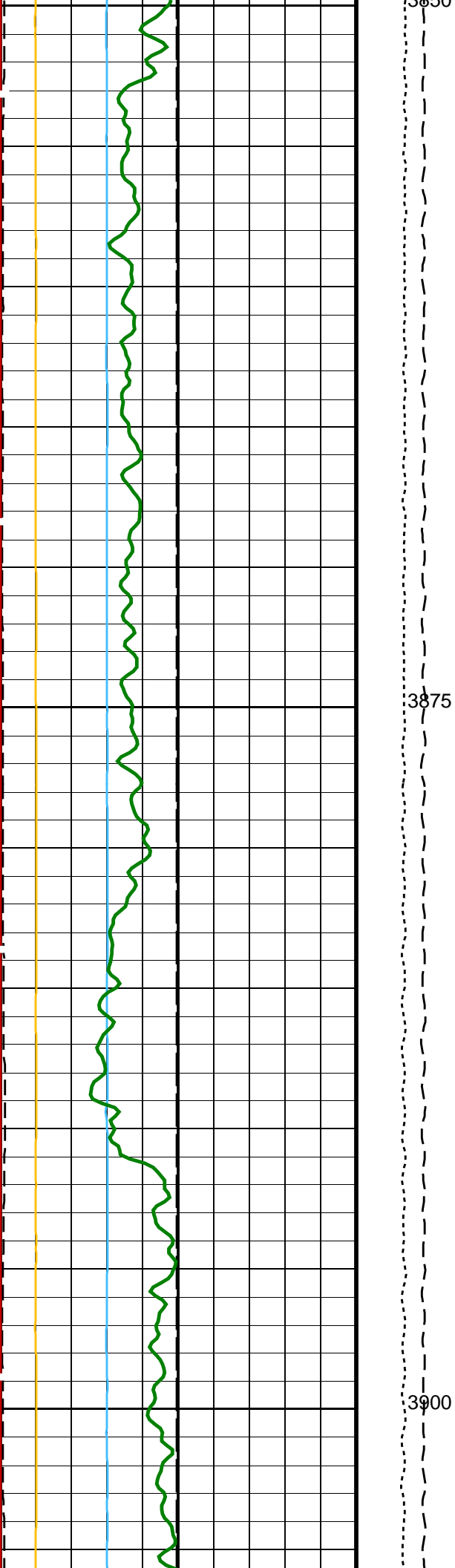


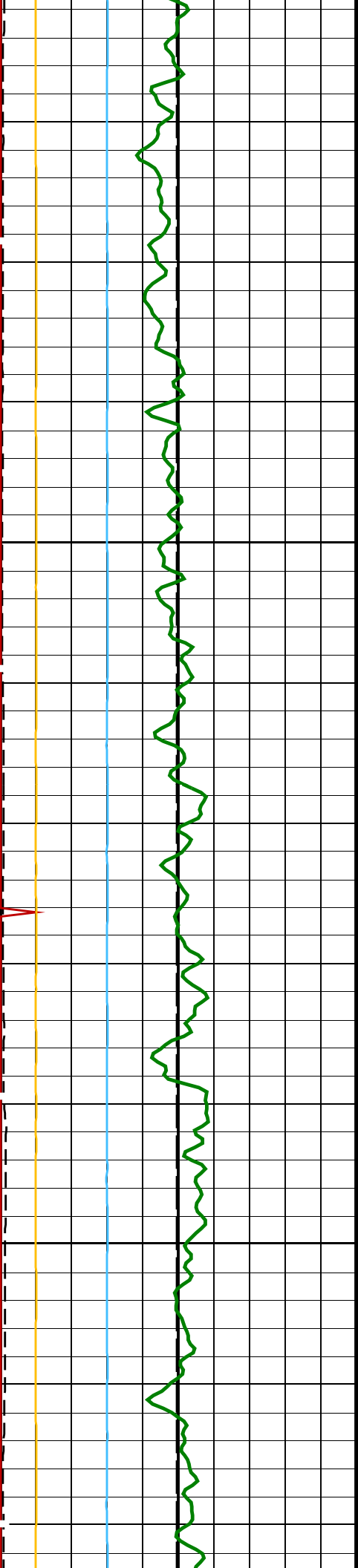
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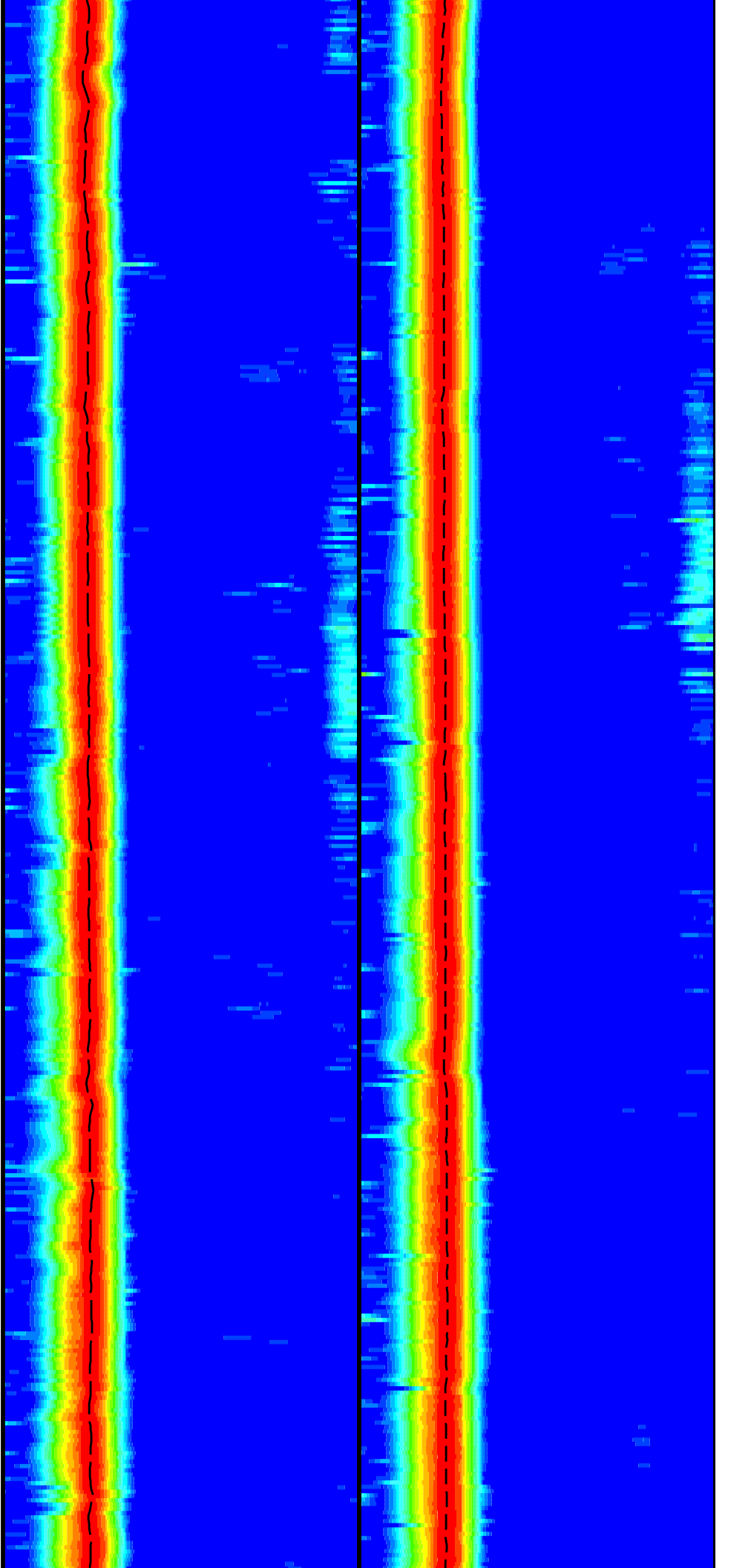


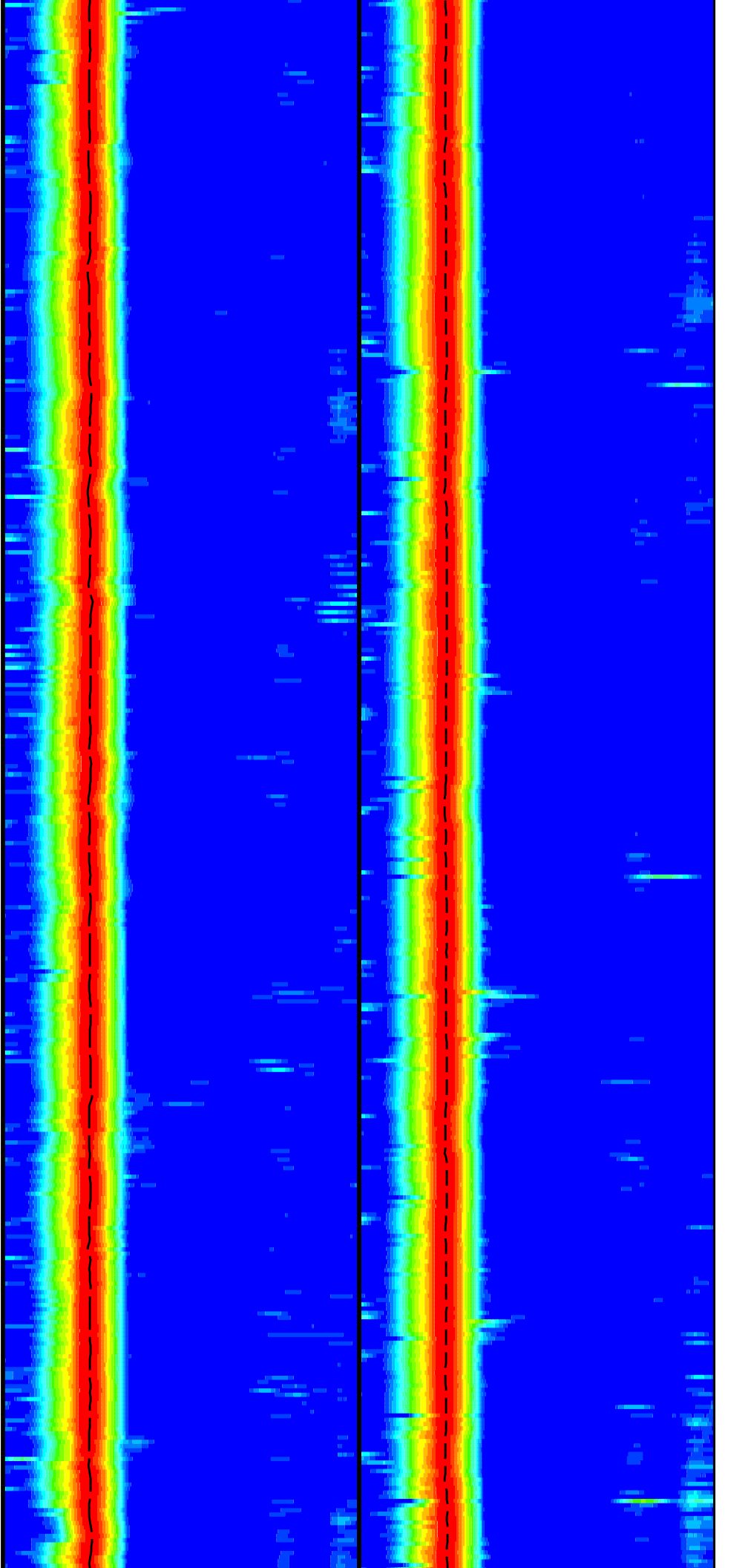
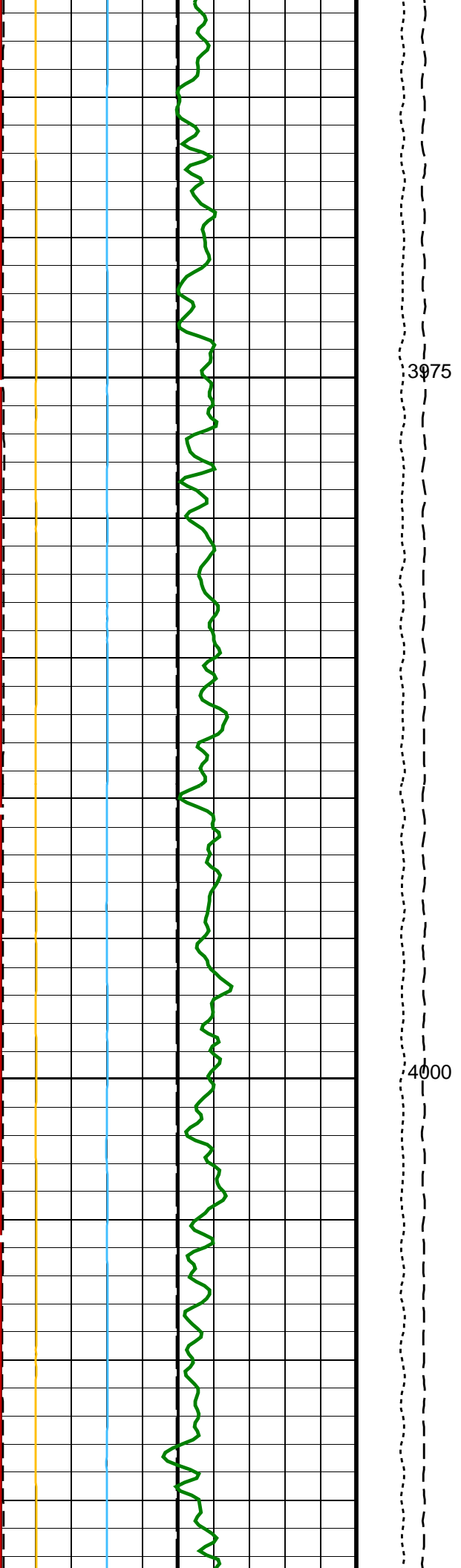


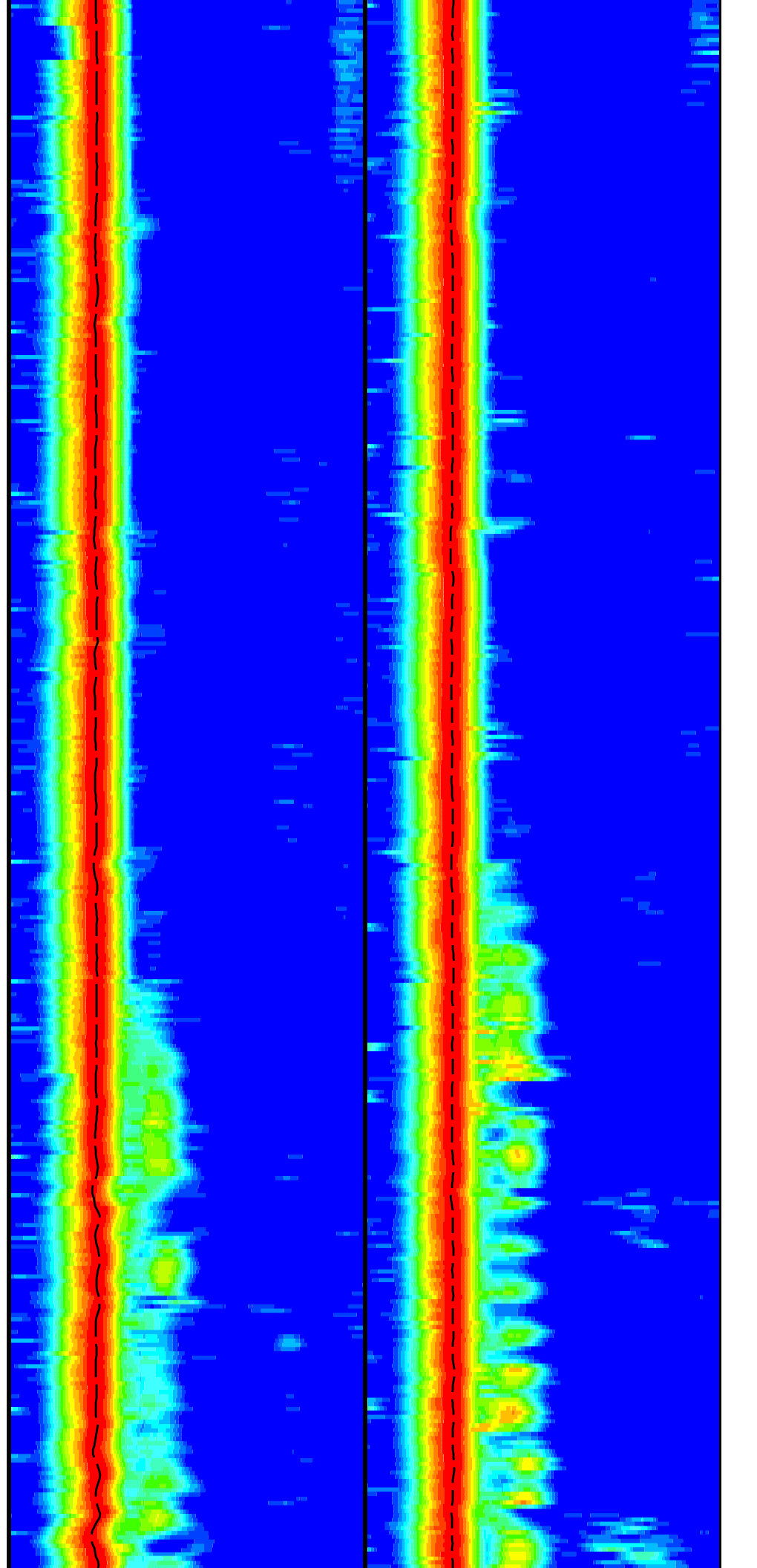
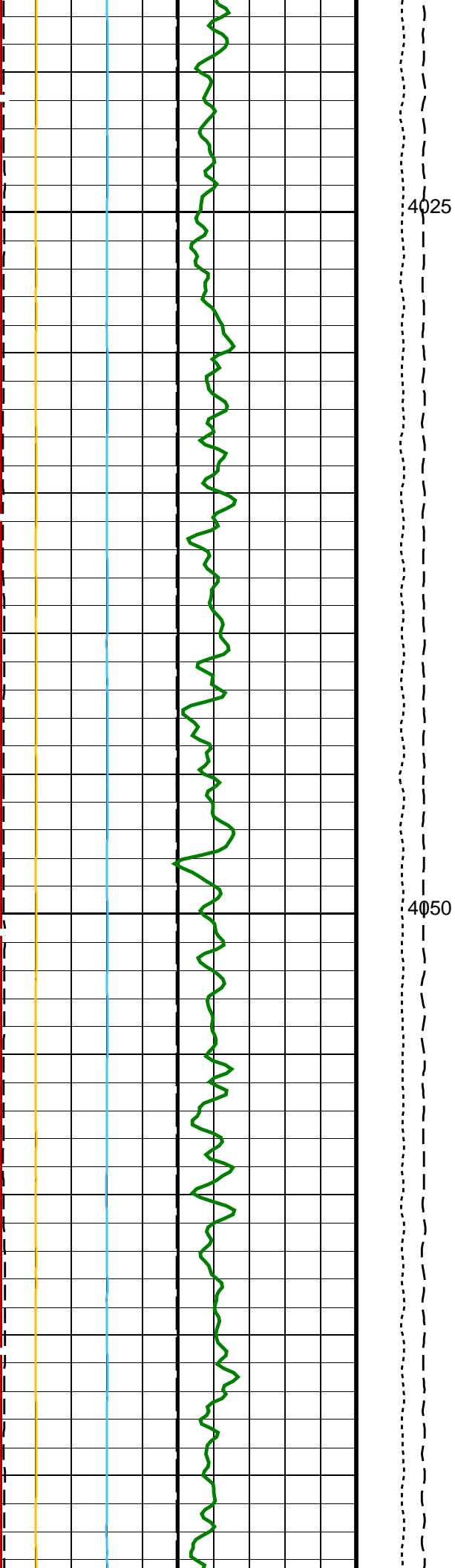


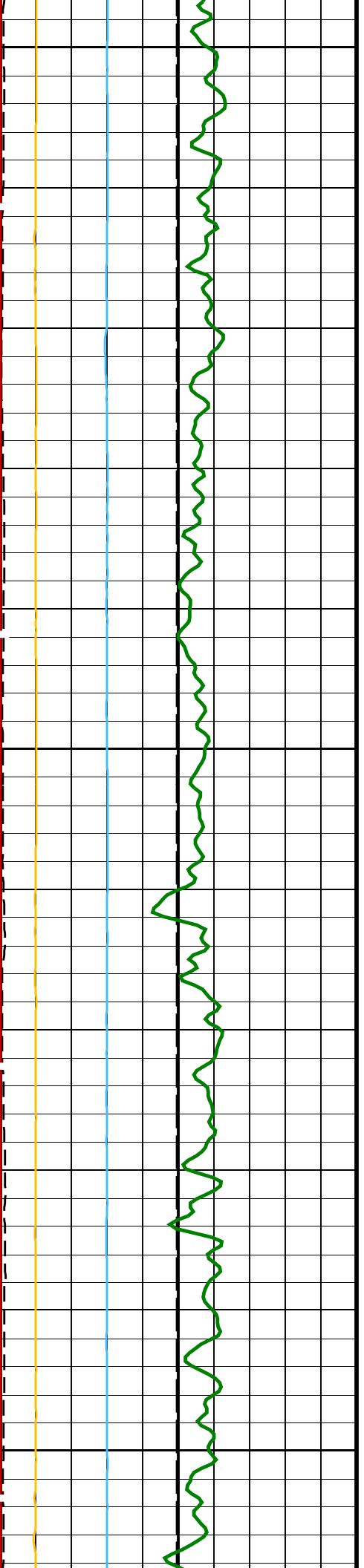
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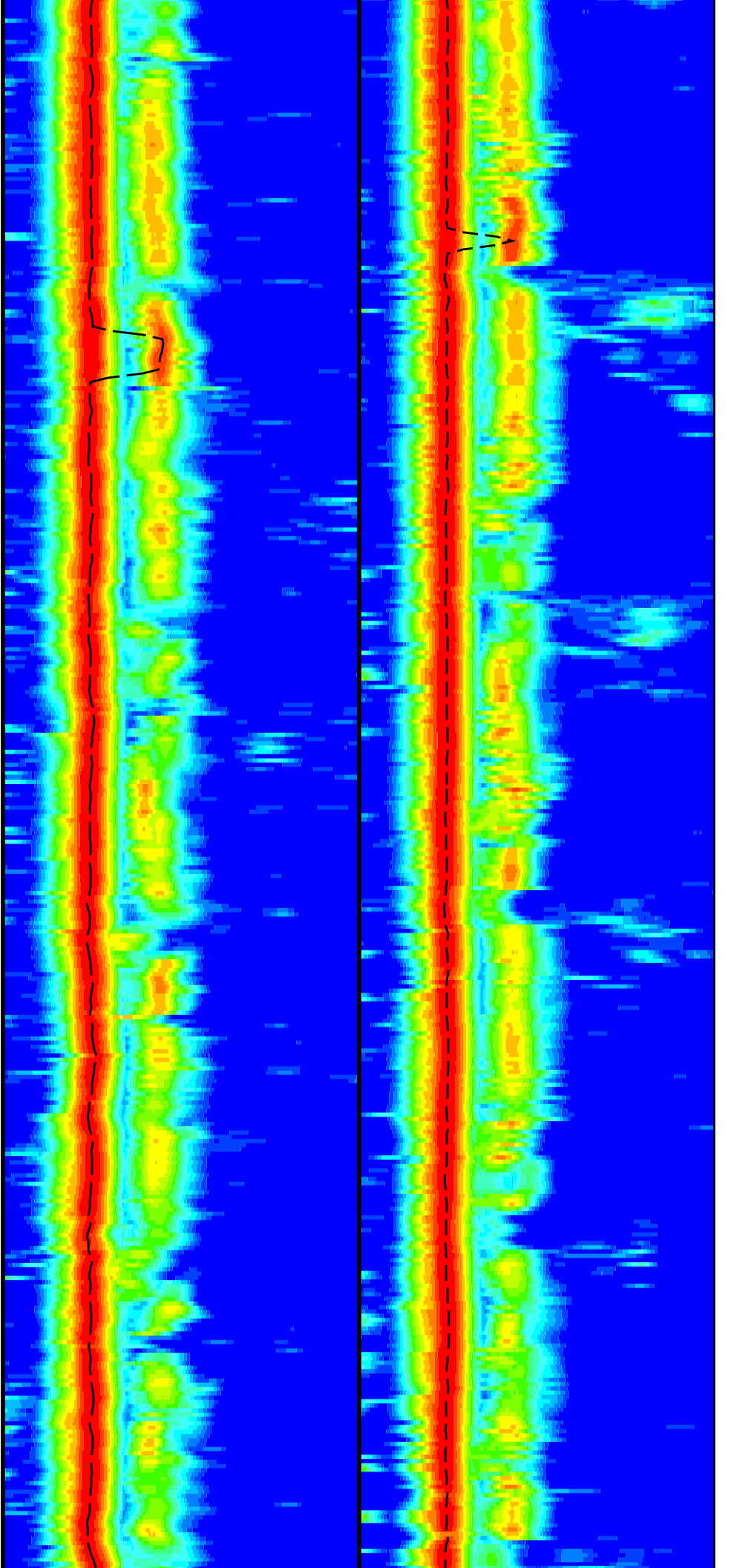


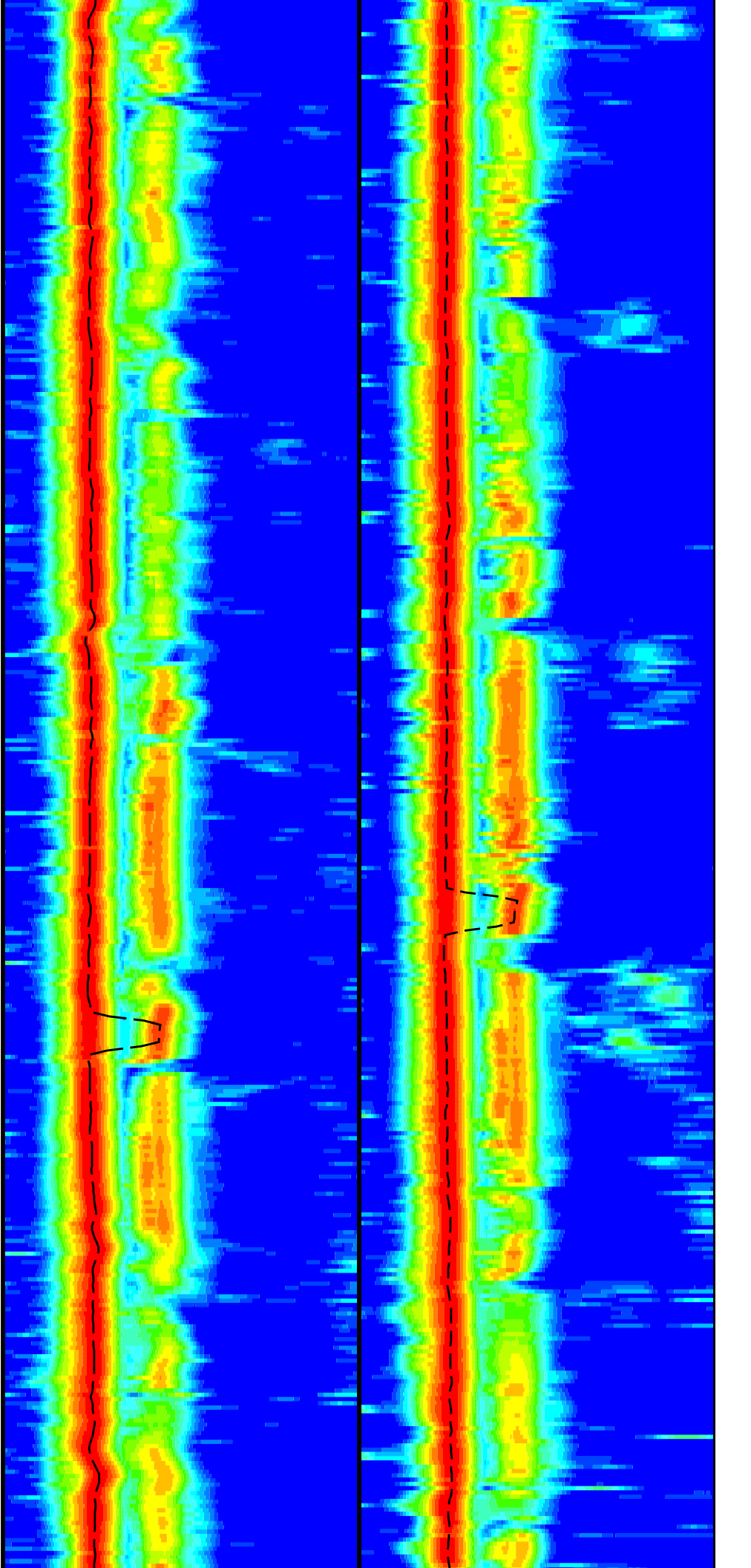
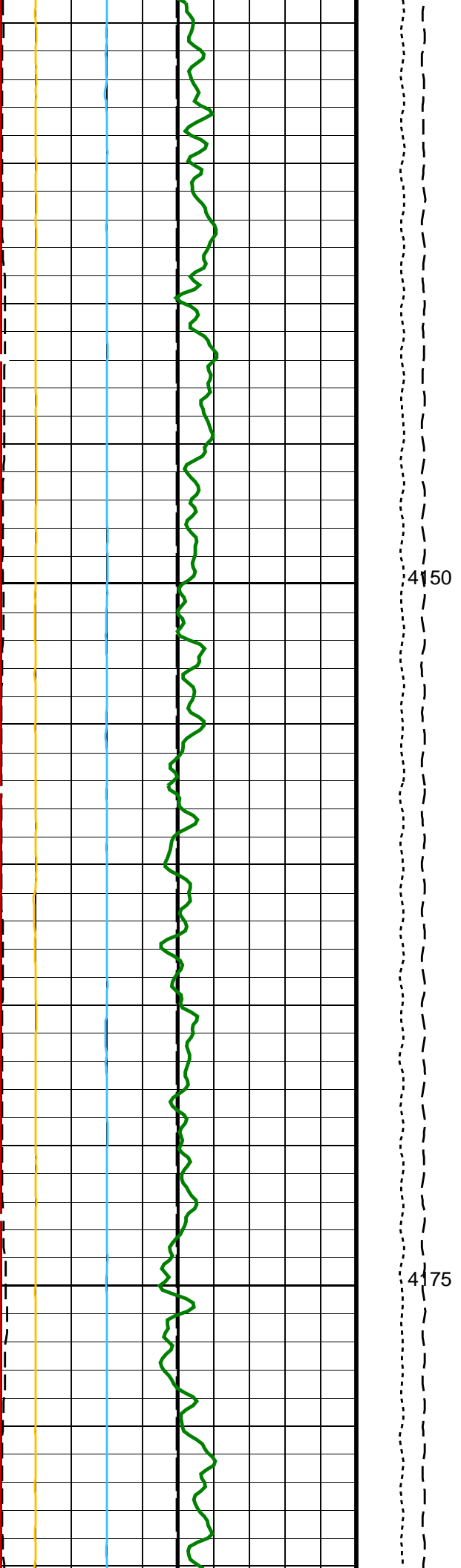


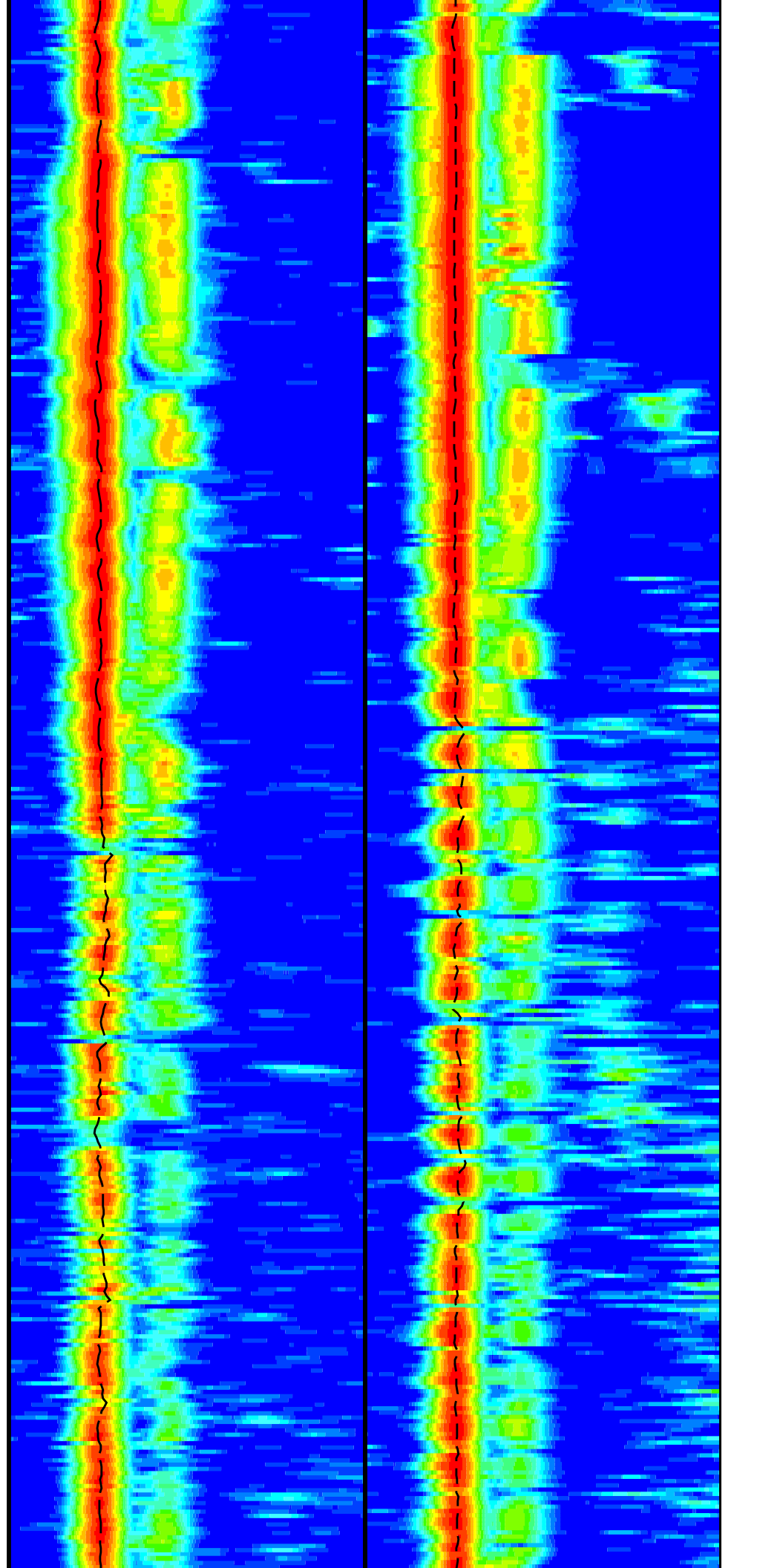
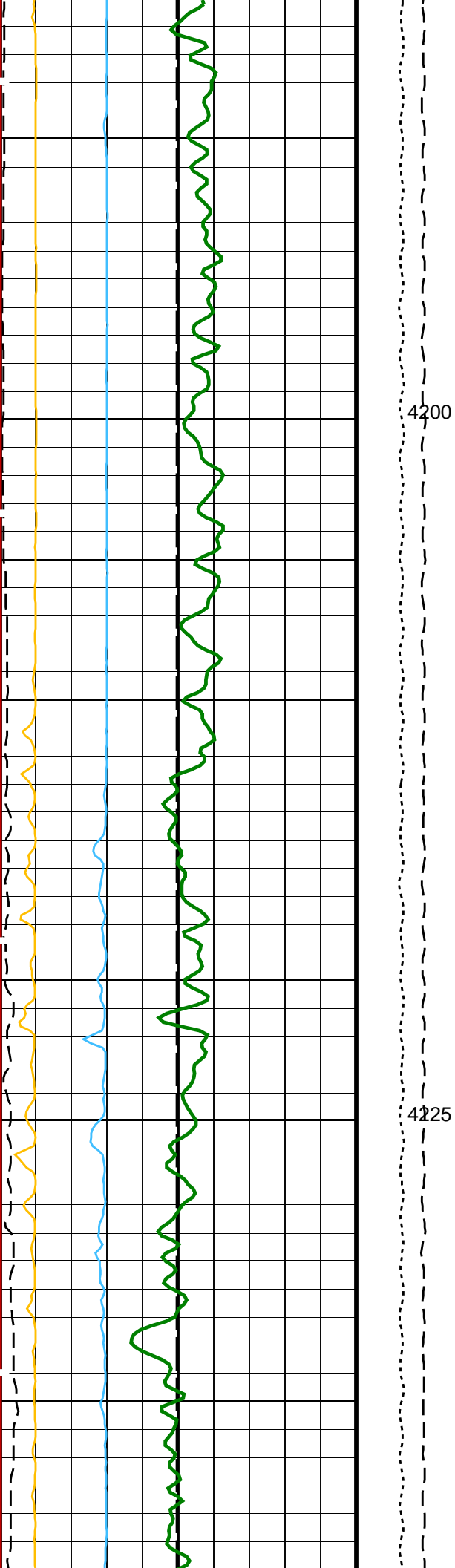
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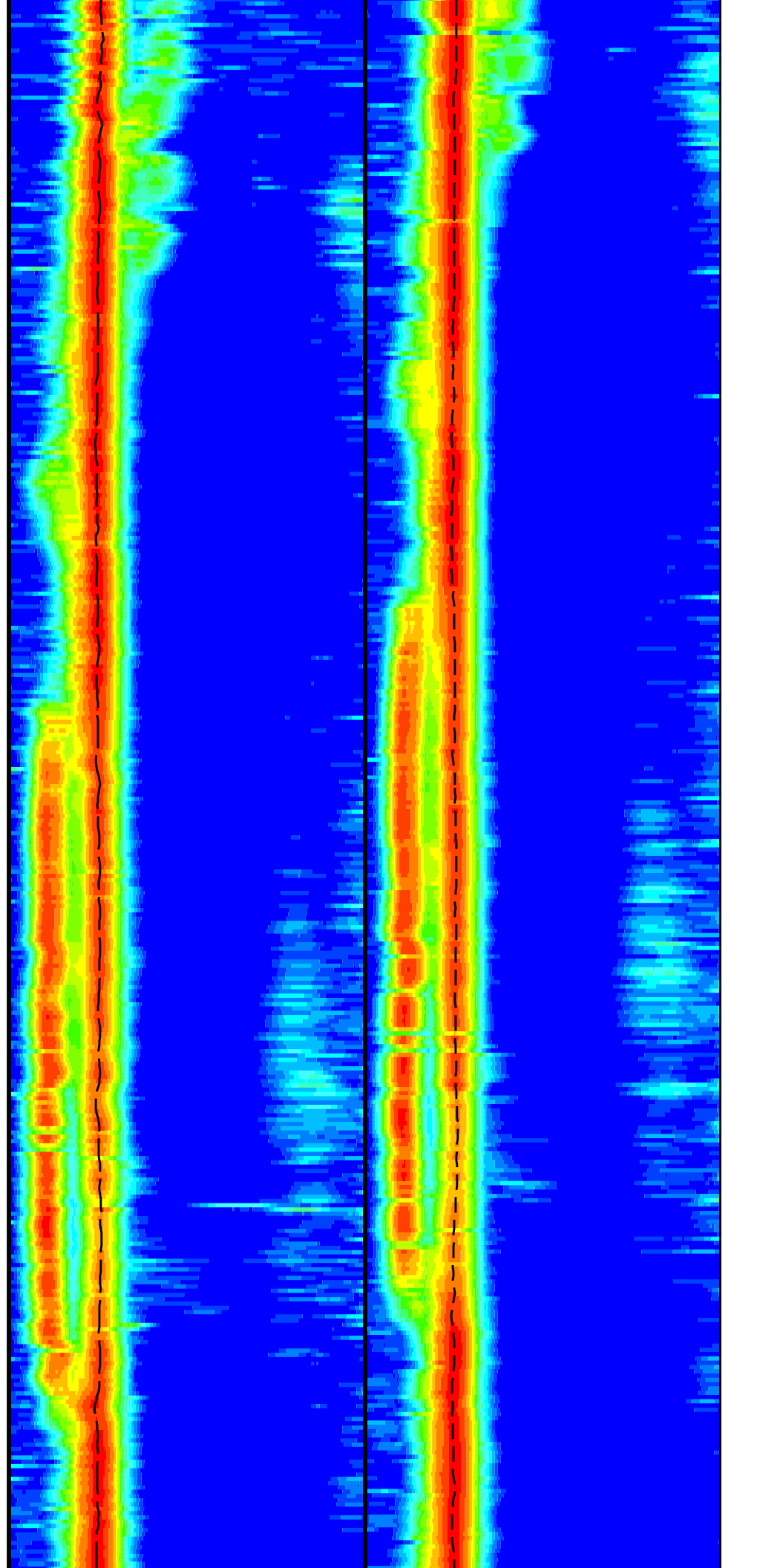
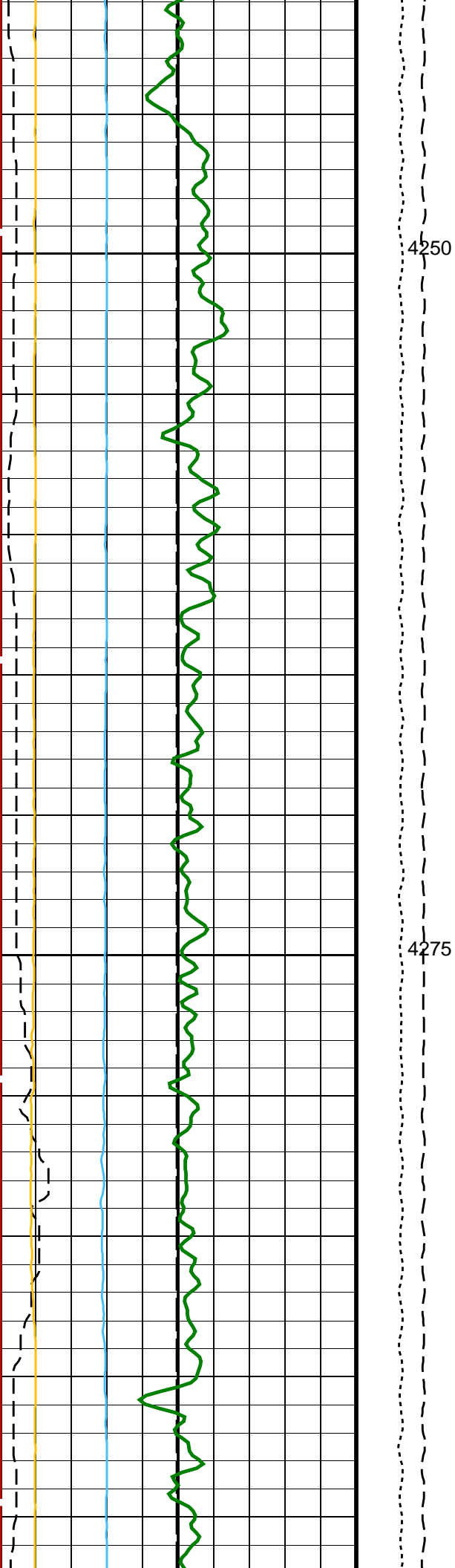
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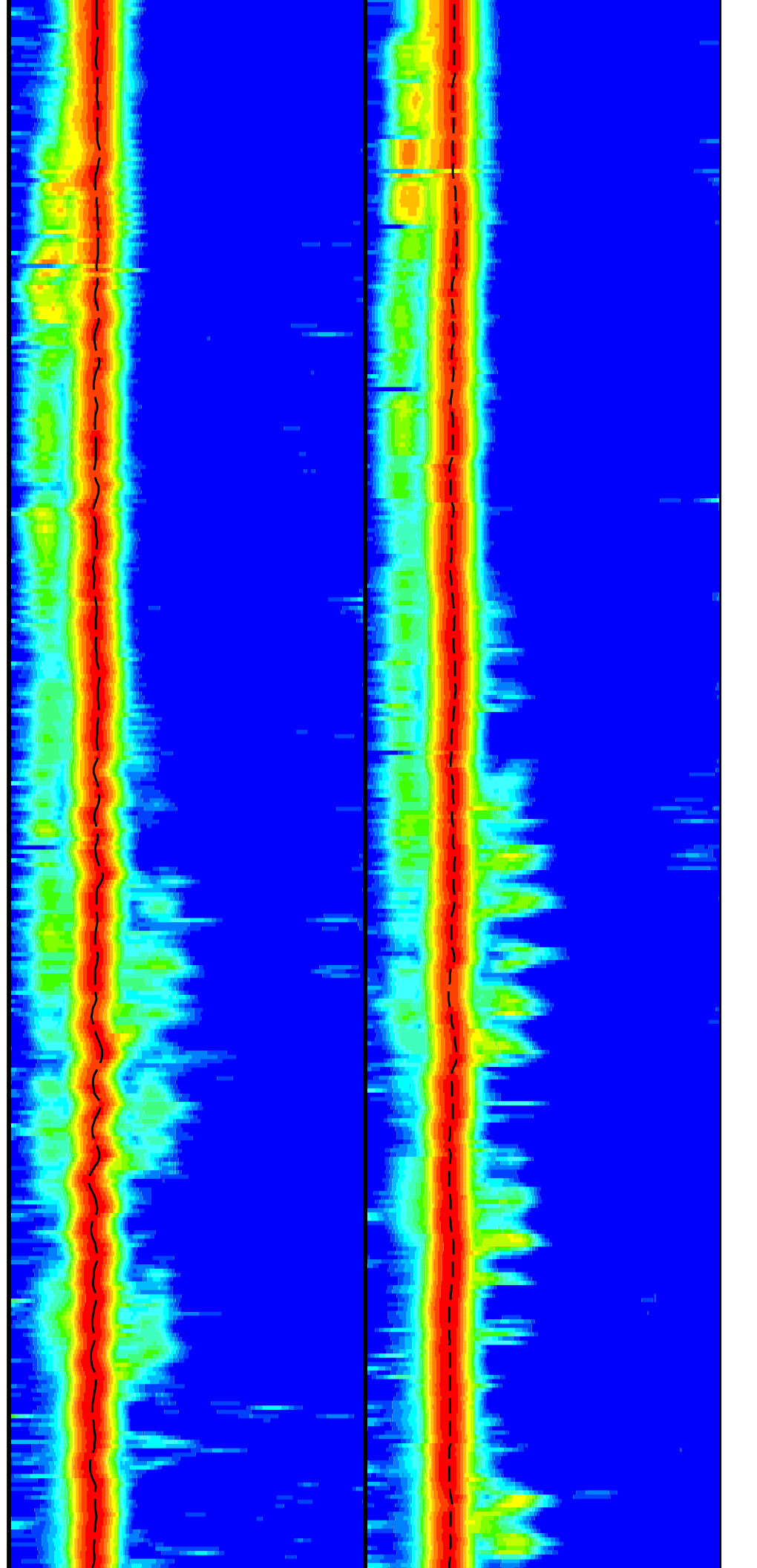
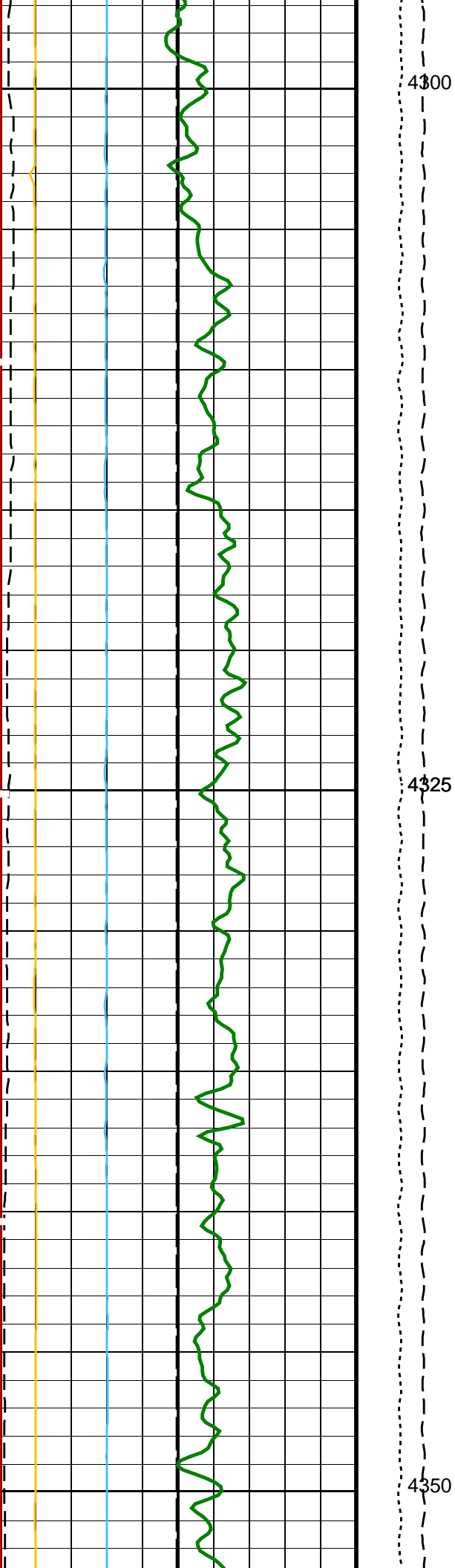
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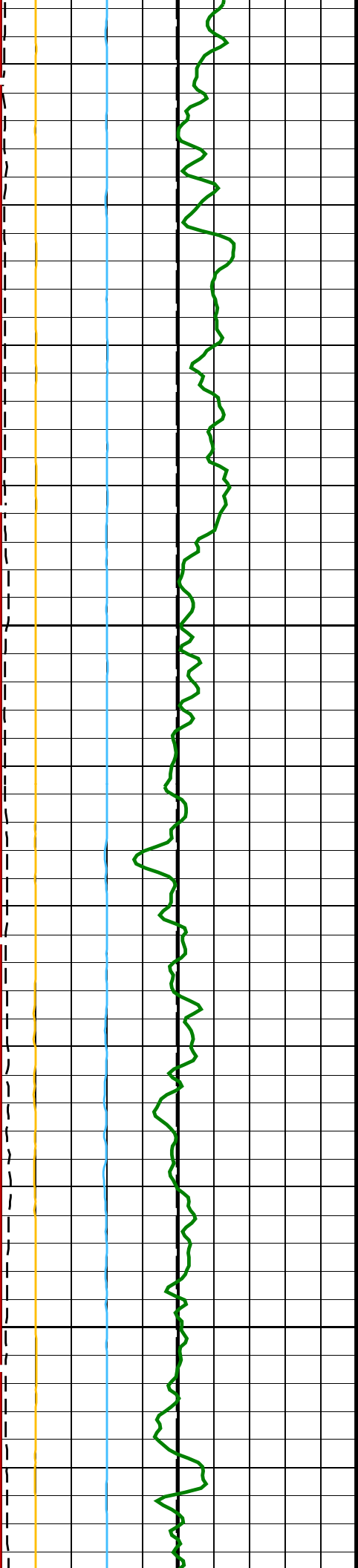






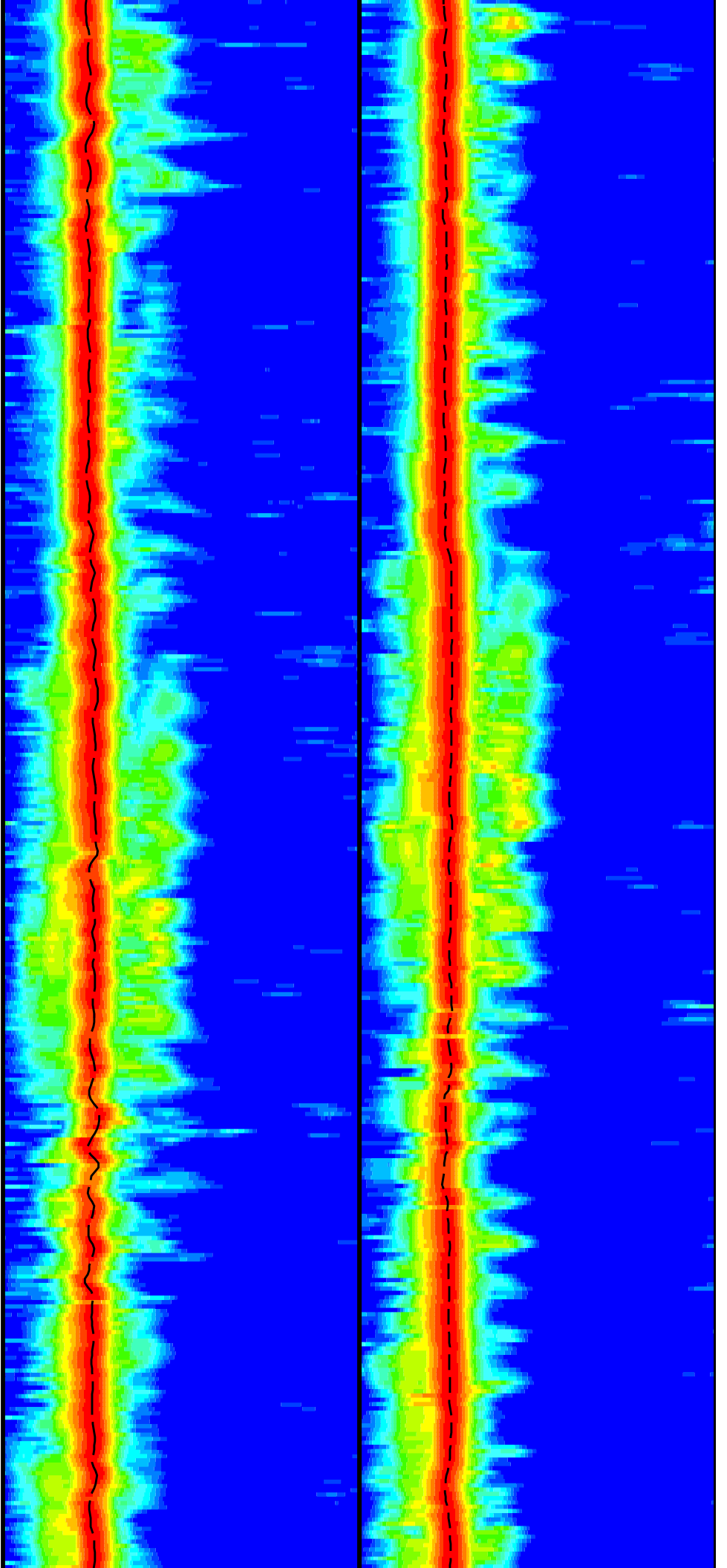


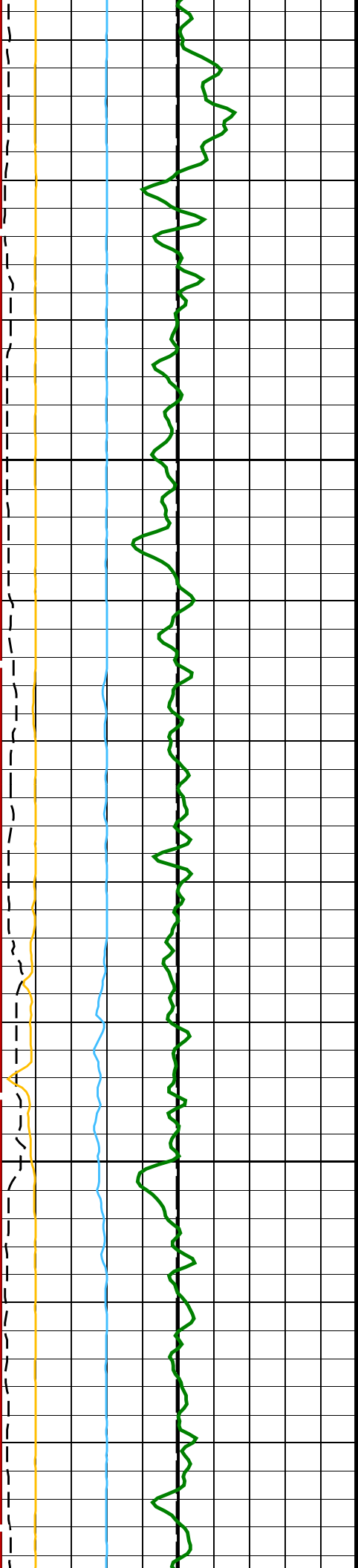




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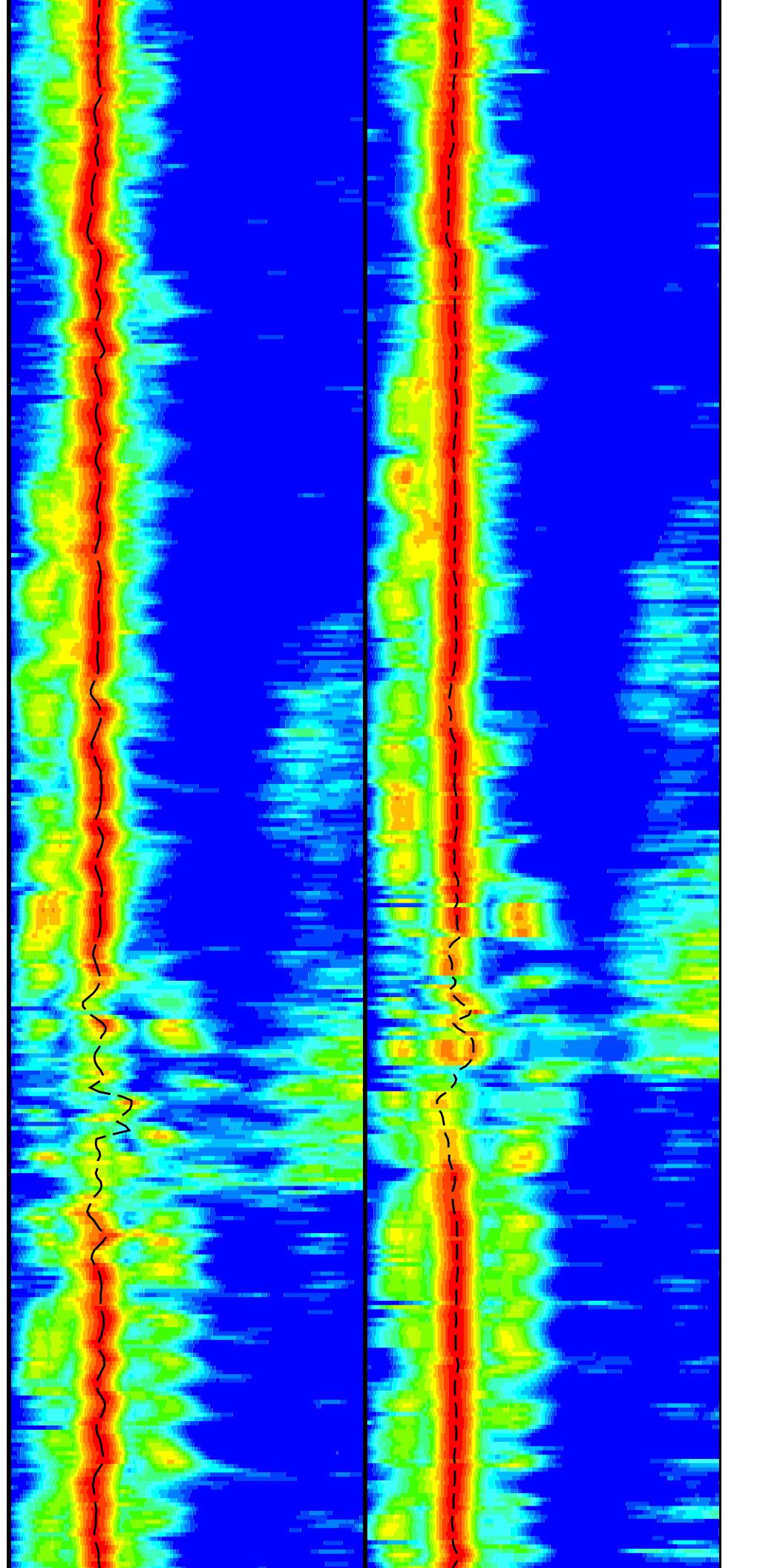
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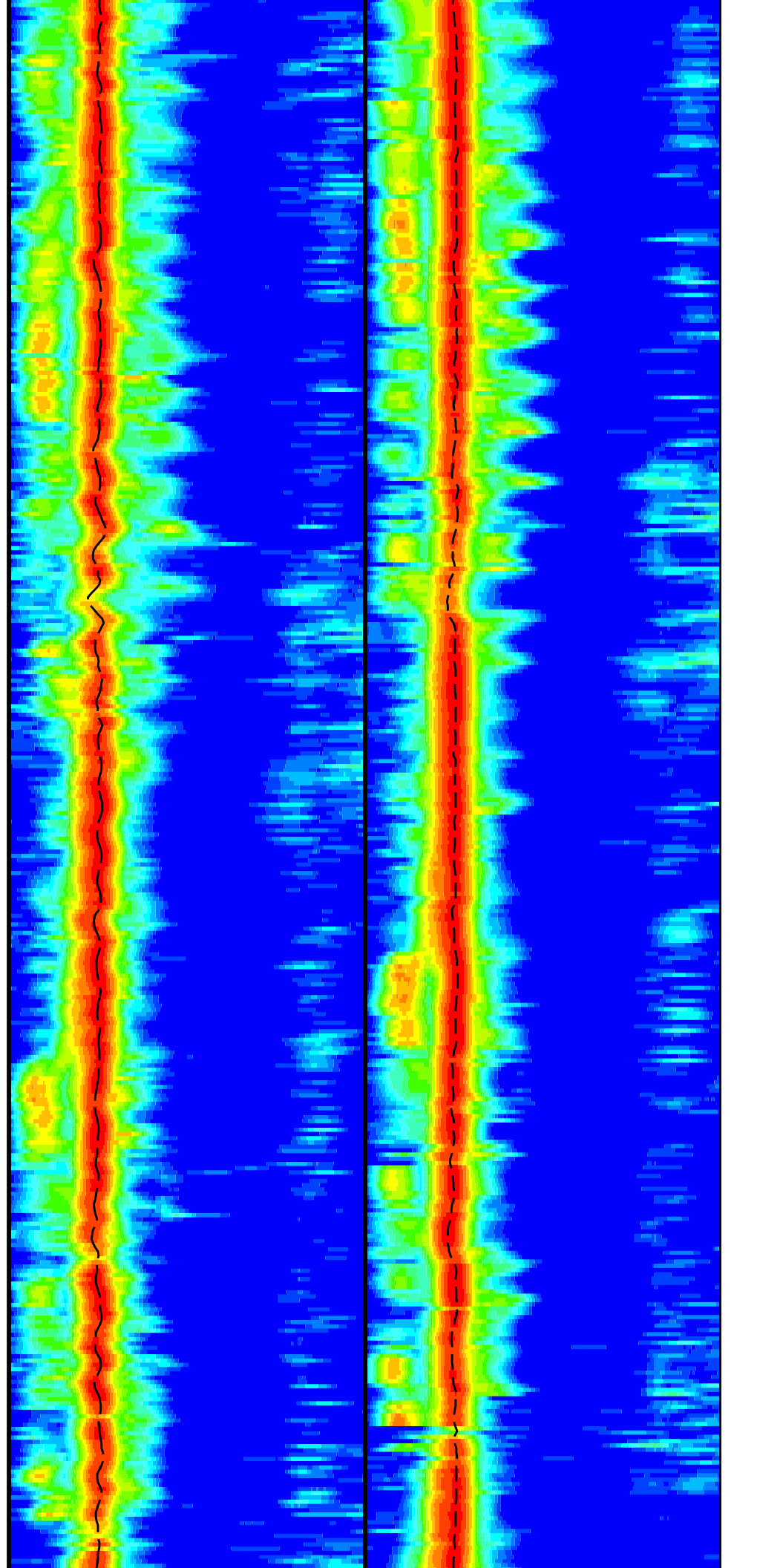
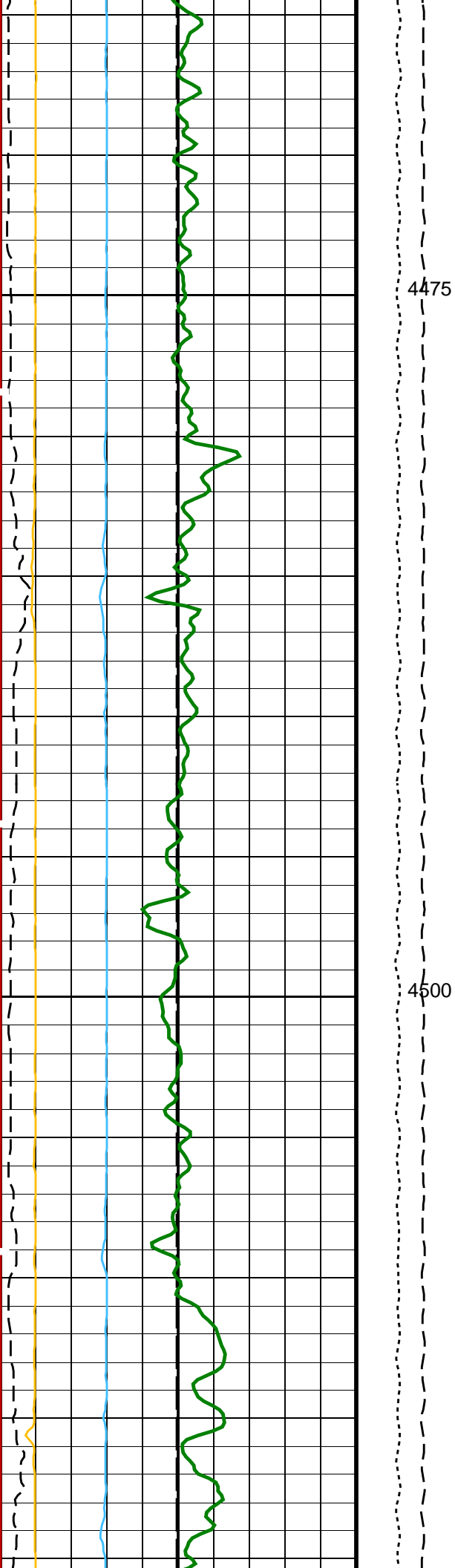


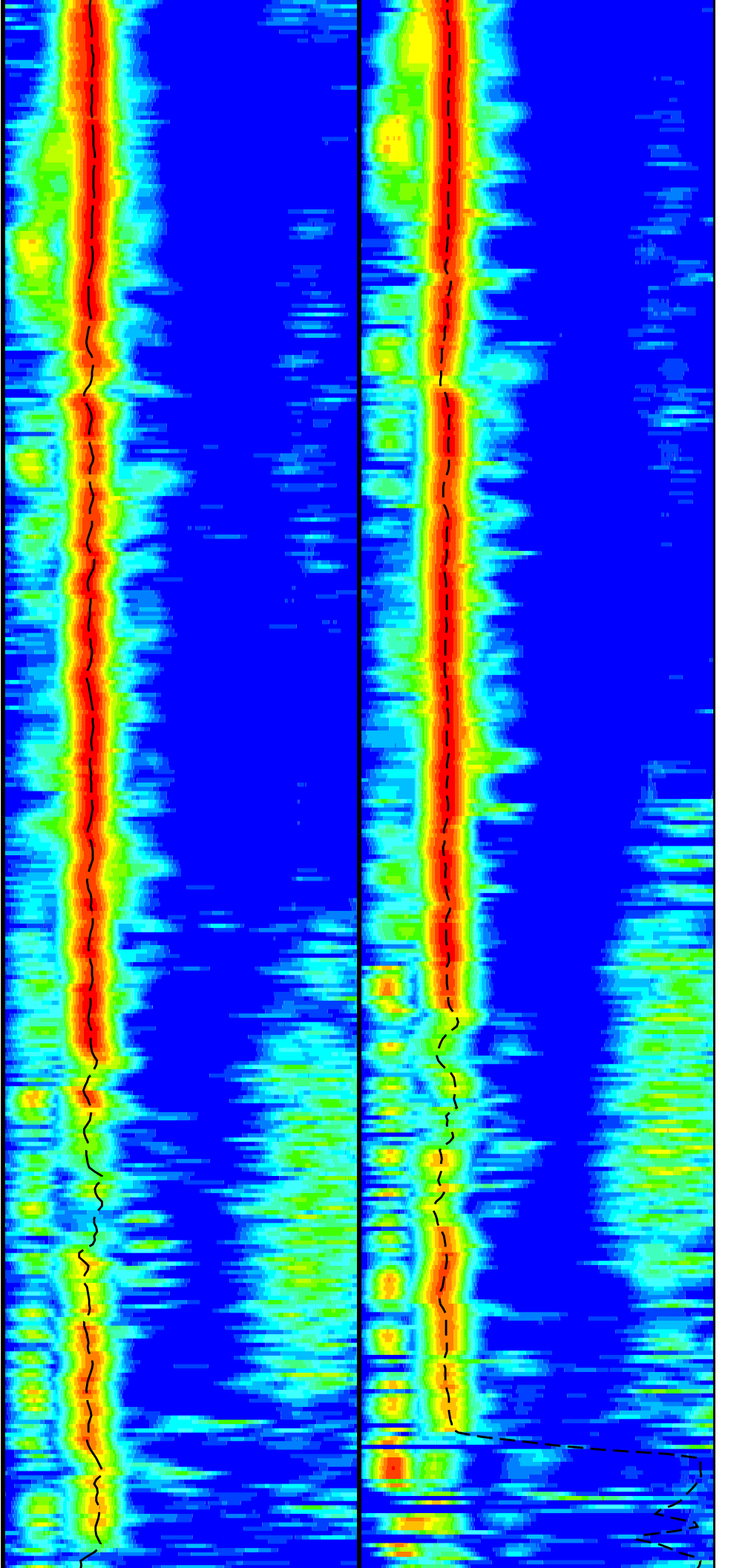
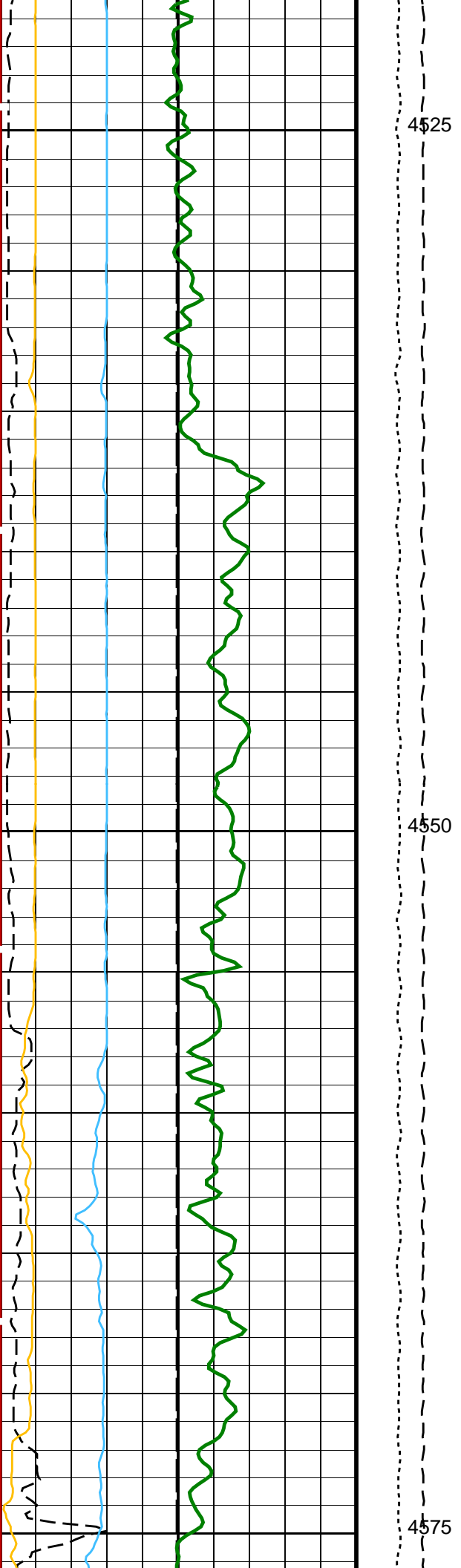


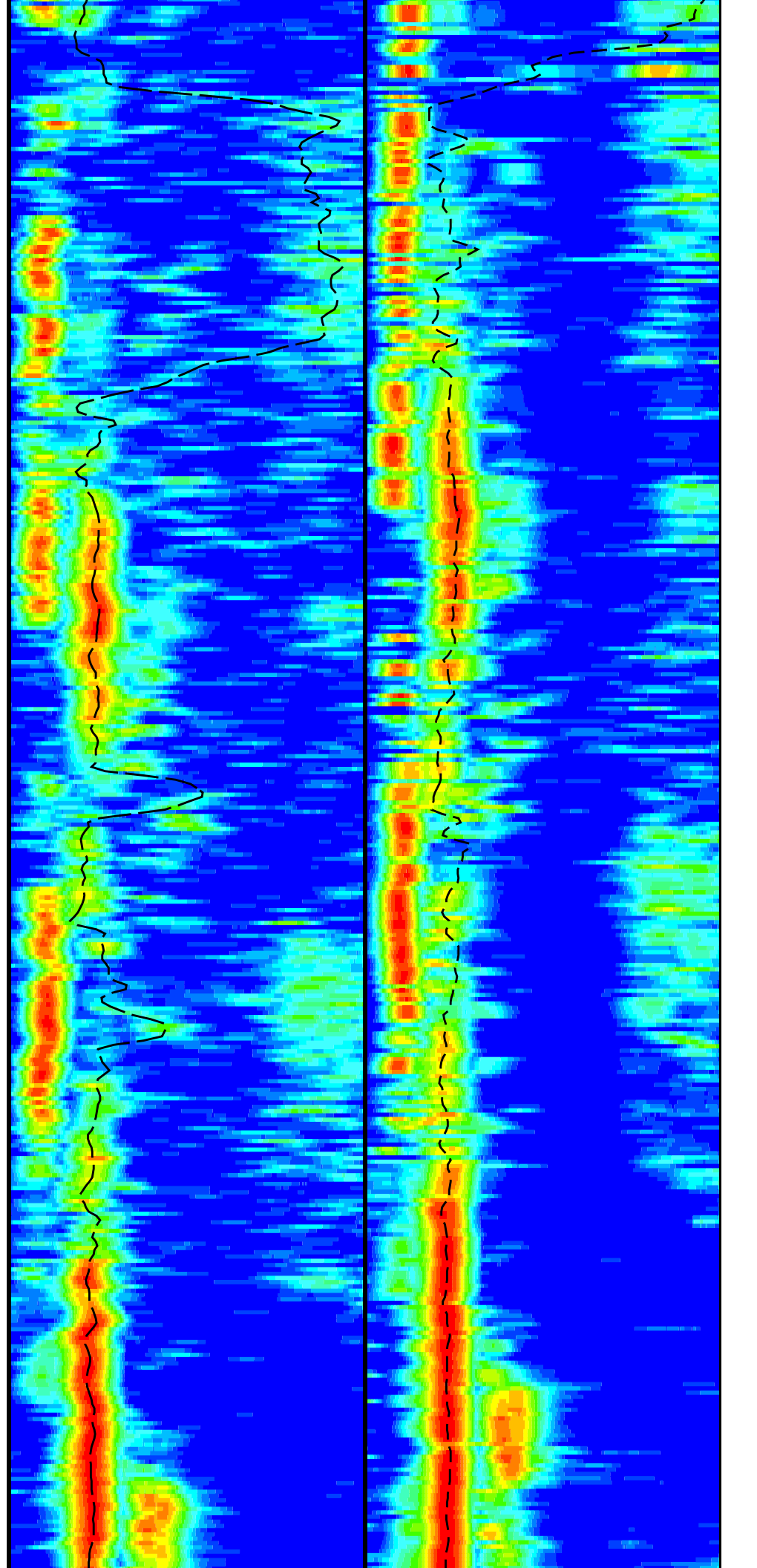
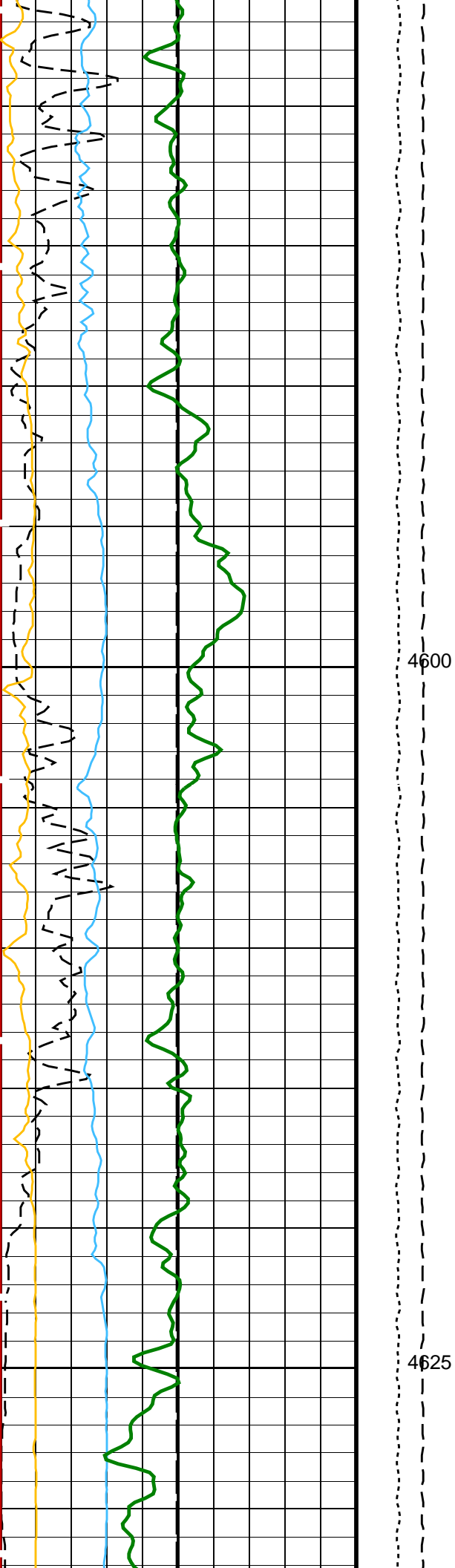
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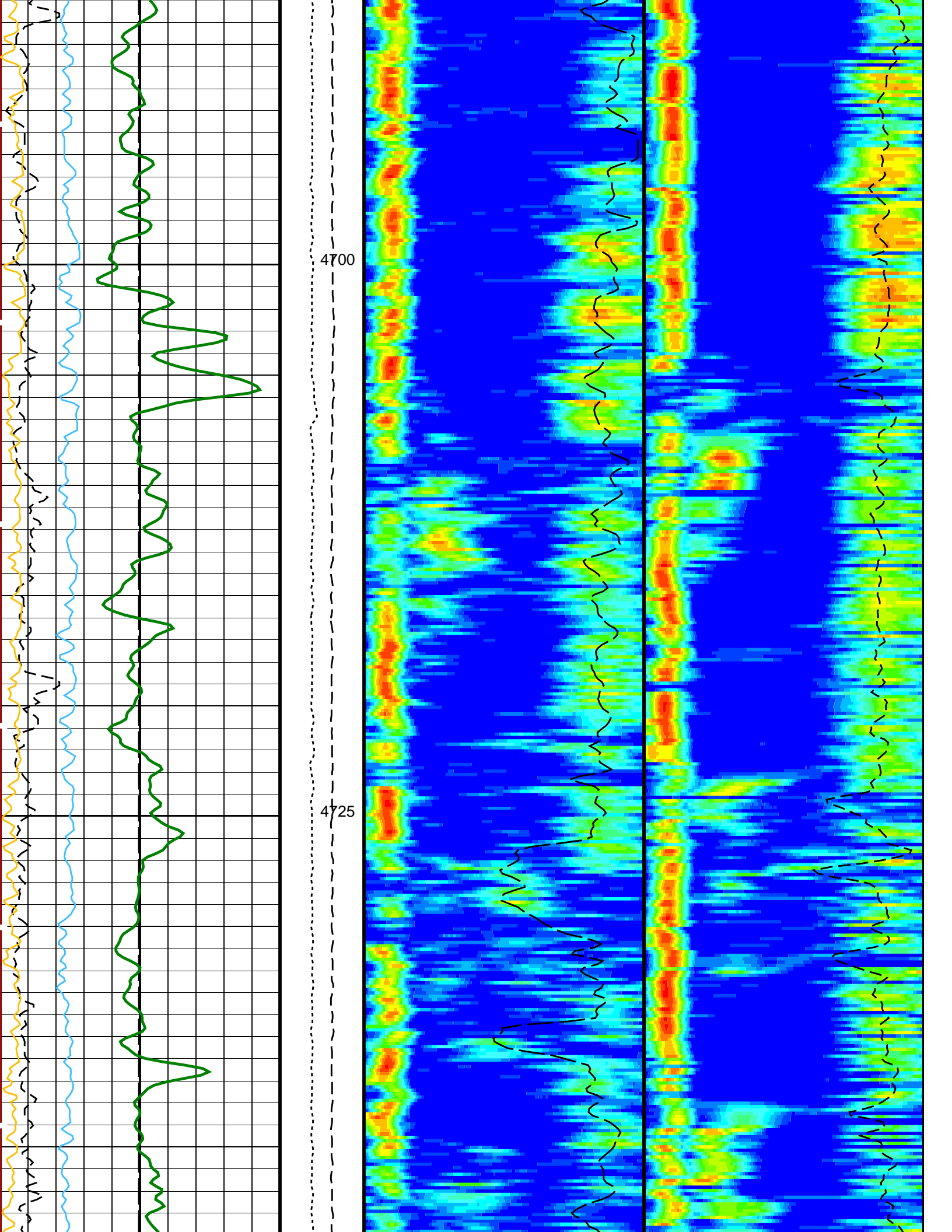
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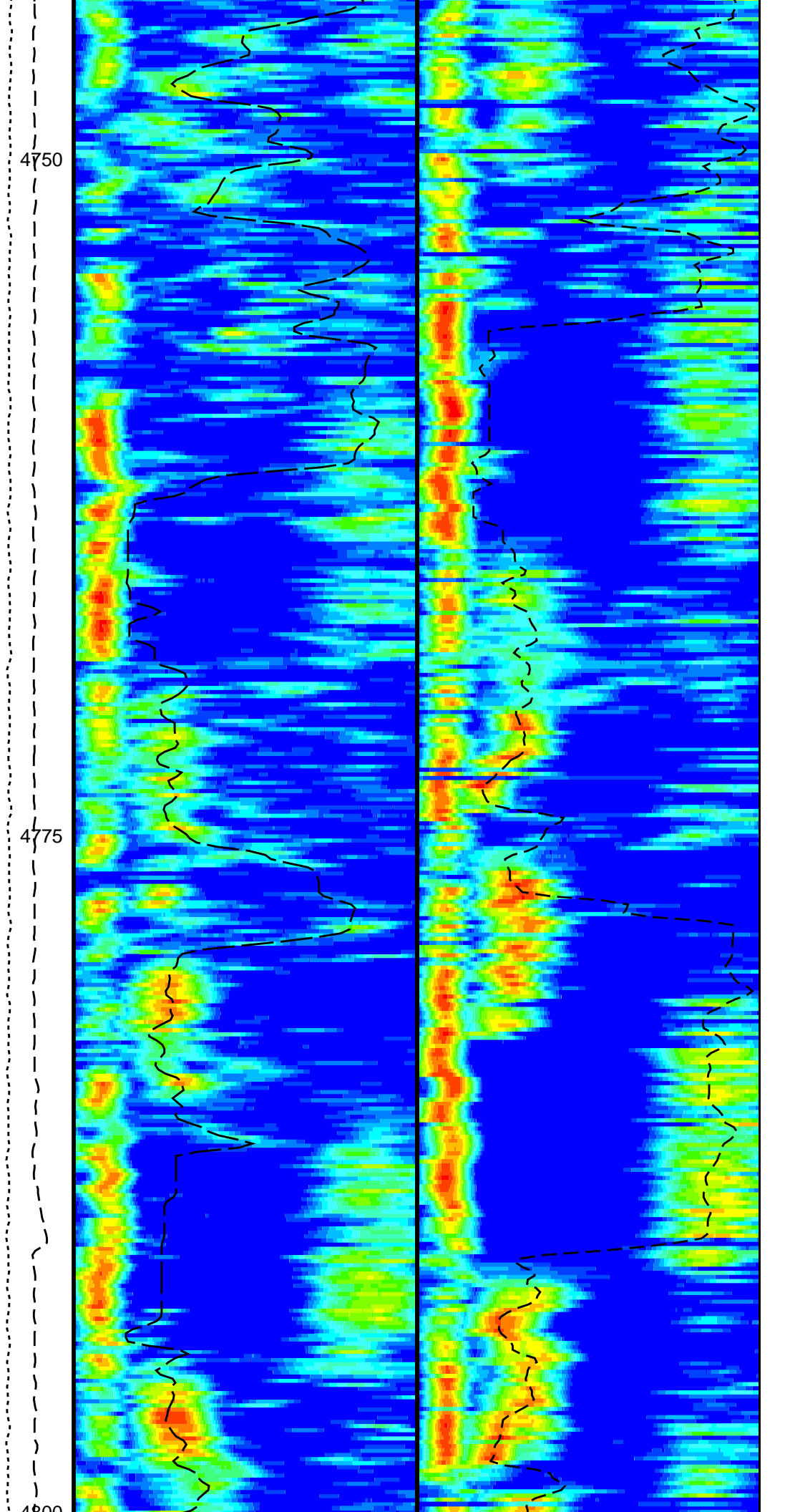
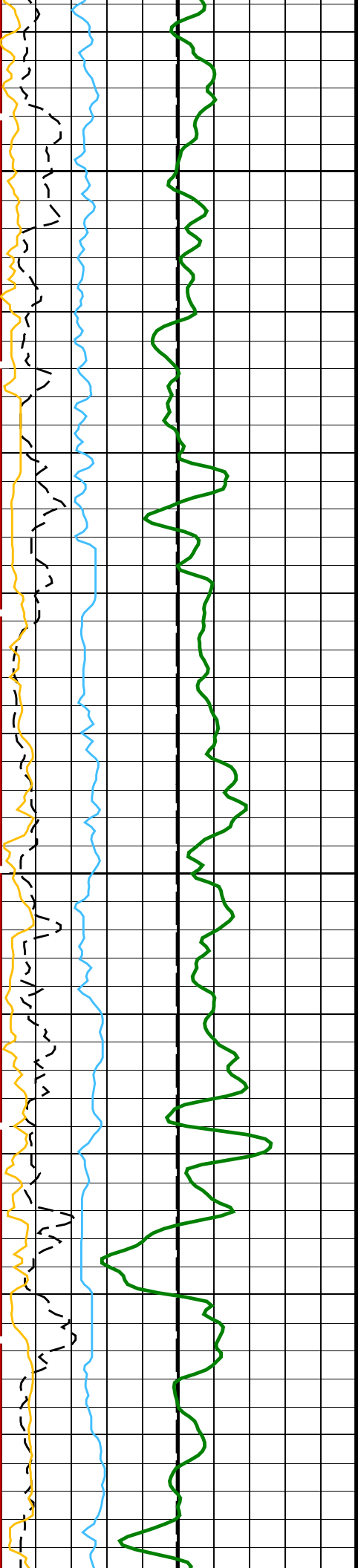


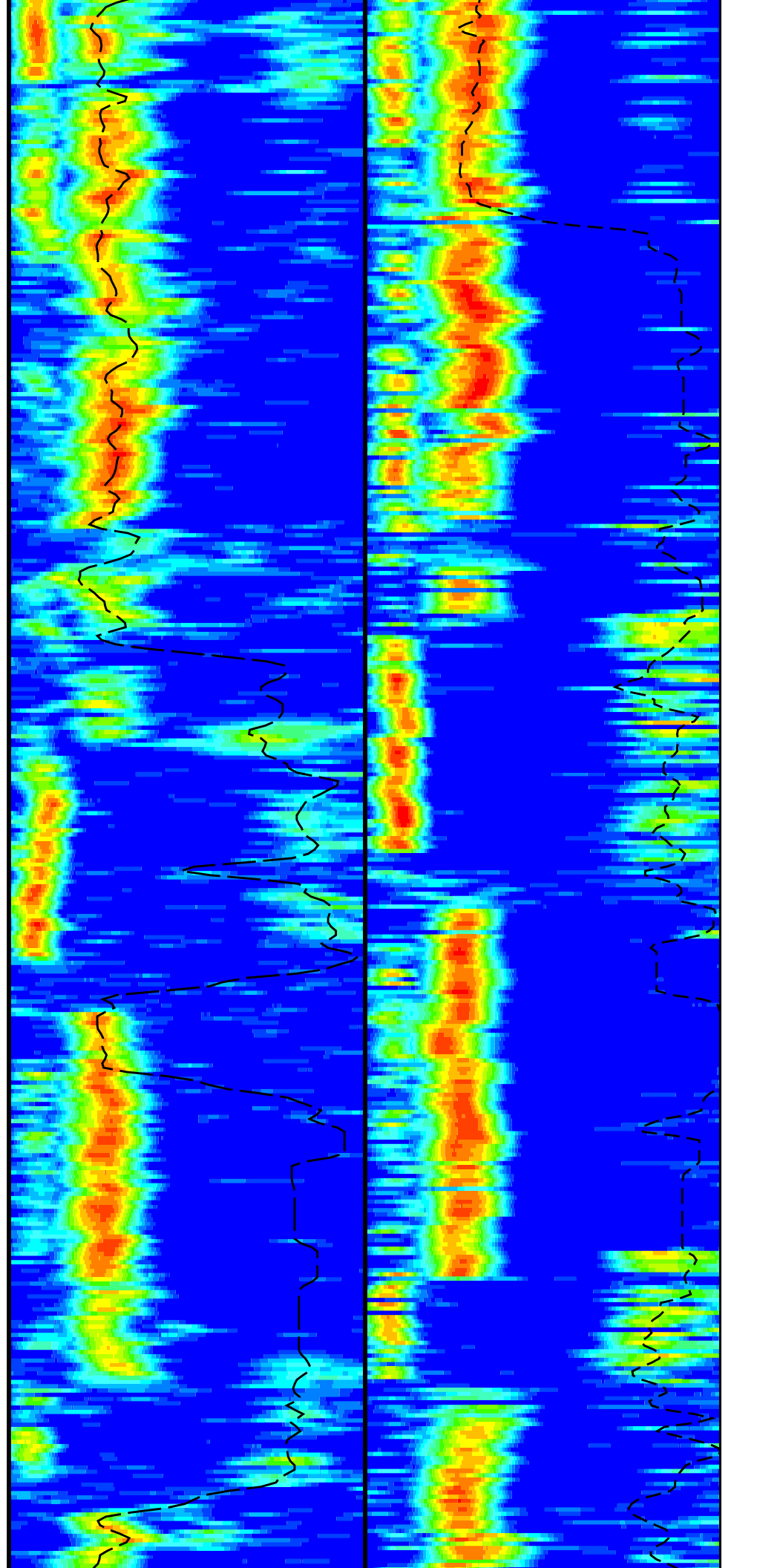
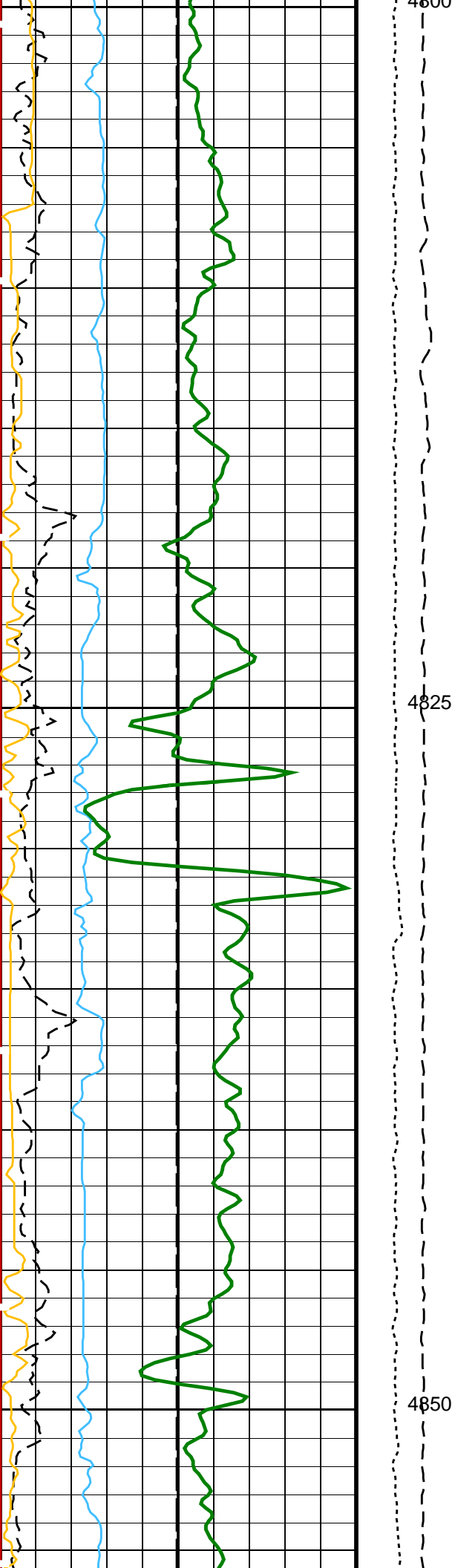


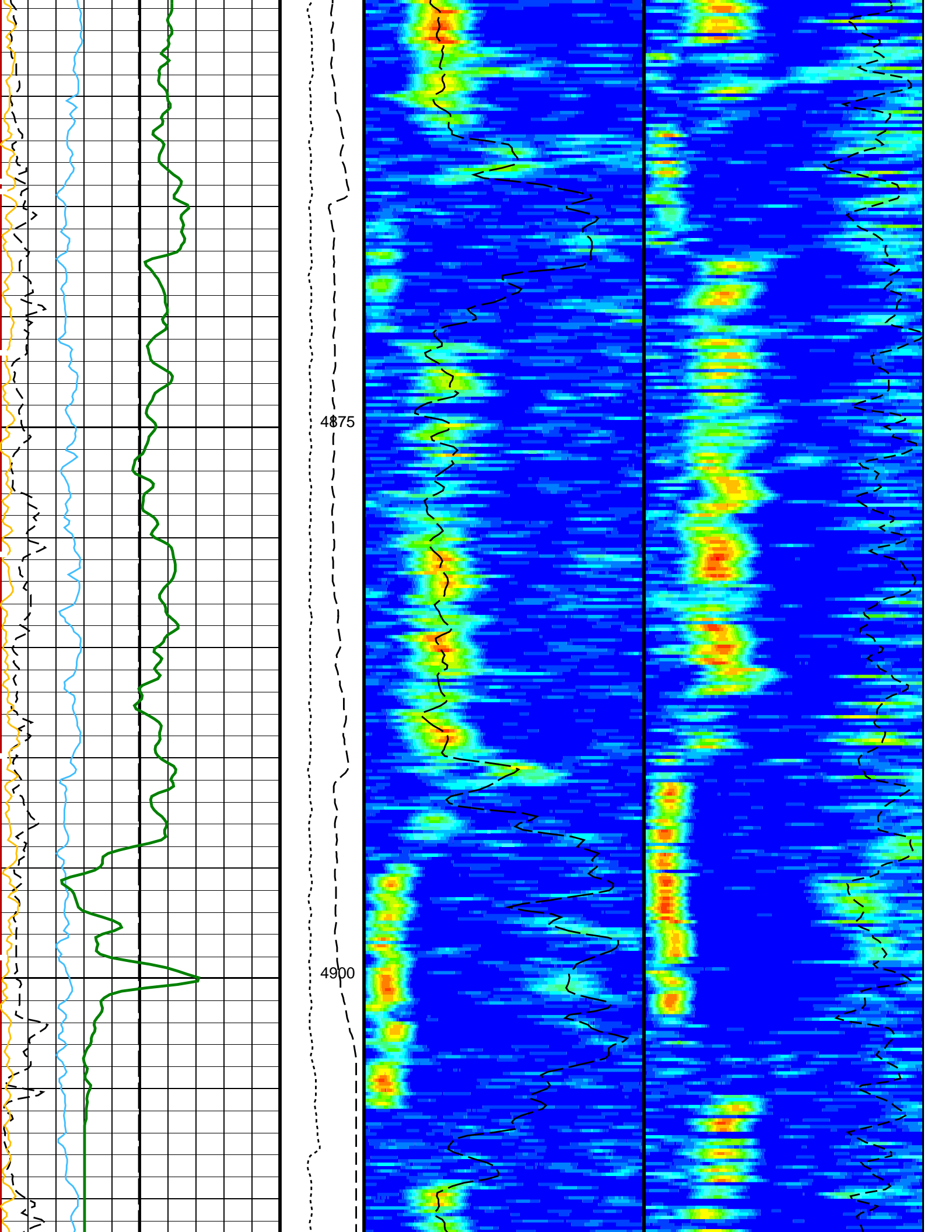


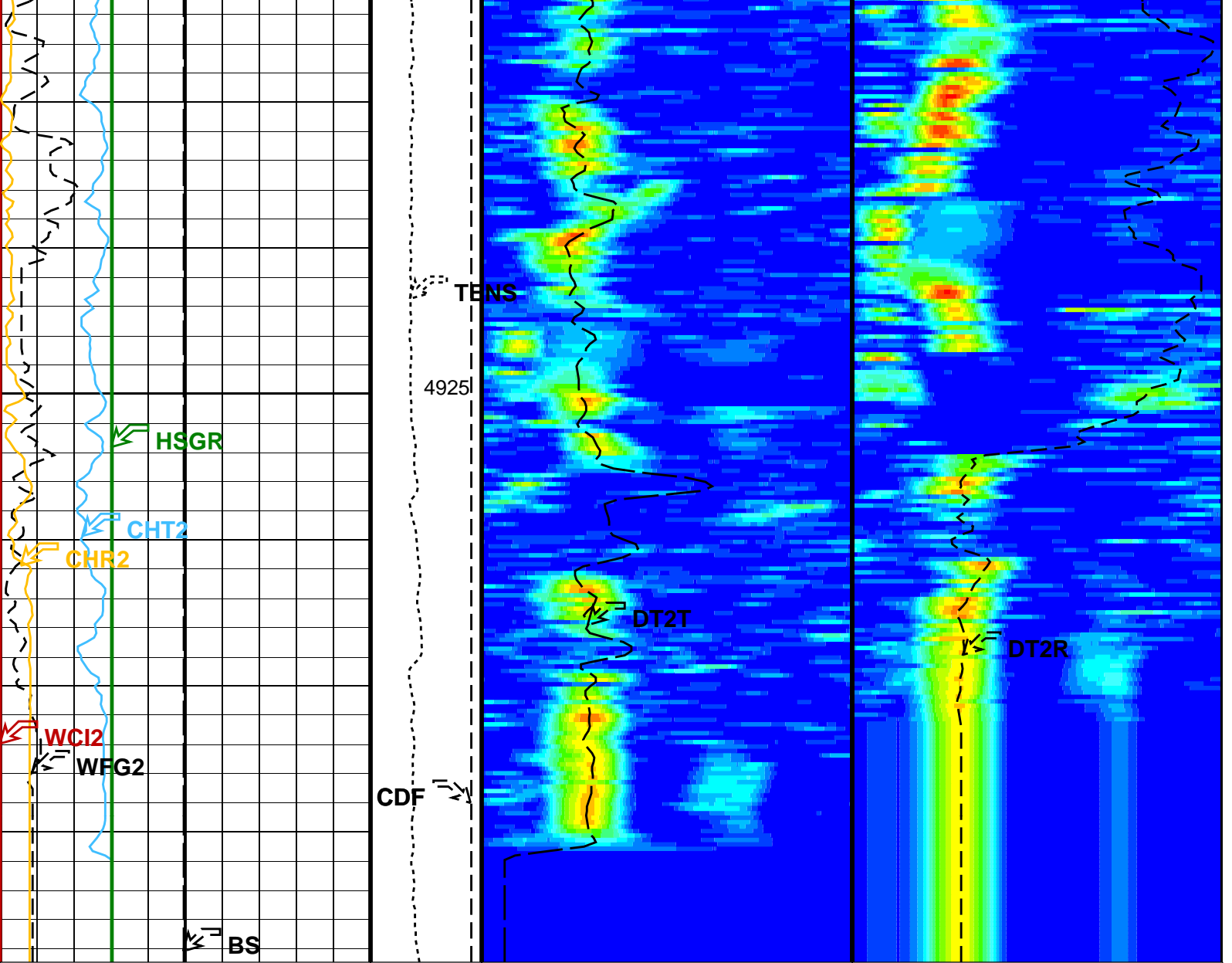












<p>Bit Size (BS) (IN)</p> <p>0 20</p>	<p>Tension (TENS) (LBF)</p> <p>10000 0</p>	<p>Delta-T Shear / TA - Upper Dipole (DT2T) (US/F)</p> <p>40 1040</p>	<p>Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)</p> <p>40 1040</p>
<p>SAM2 Waveform Gain (WFG2) (----)</p> <p>0 1000</p>	<p>Calibrated Downhole Force (CDF) (LBF)</p> <p>5000 0</p>	<p>Min Amplitude Max</p> <p>Tr.Array U.Dipole Slow Proj. CVDL (SPT2) (US/F)</p> <p>40 1040</p>	<p>Min Amplitude Max</p> <p>Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)</p> <p>40 1040</p>
<p>Waveform Data Copy Indicator 2 - Upper Dipole (WC12)</p> <p>0 (----) 10</p>			
<p>Peak Coherence / RA - Upper Dipole (CHR2)</p> <p>0 (----) 10</p>			
<p>Peak Coherence / TA - Upper Dipole (CHT2)</p> <p>-2 (----) 8</p>			
<p>HNGS Spectroscopy Gamma Ray (HSGR)</p> <p>0 (GAPI) 100</p>			

PIP SUMMARY

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager - B			
BHS	Borehole Status	OPEN	
DDE2	Digitizing Delay 2	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source - Dipole Shear	USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	40	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1040	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
GCSE	Generalized Caliper Selection	BS	
NWI2	Number Waveform Items 2	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status - Upper Dipole	255	
SBO2	STC Search Band Offset - Upper Dipole	3000	US
SBW2	STC Search Bandwidth - Upper Dipole	8000	US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE	
SFM2	STC Filter - Upper Dipole	B1-2K	
SLL2	STC Slowness Lower Limit - Upper Dipole	40	US/F
SST2	STC Slowness Step - Upper Dipole	4	US/F
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit - Upper Dipole	1040	US/F
SWD2	STC Slowness Width - Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill - Upper Dipole	0	US
TLL2	STC Time Lower Limit - Upper Dipole	600	US
TST2	STC Time Step - Upper Dipole	200	US
TUL2	STC Time Upper Limit - Upper Dipole	18440	US
TWD2	STC Time Width - Upper Dipole	2000	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFM2	Waveform Mode 2	W1	
HRLT-B: High Resolution Laterolog Array - B			
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	10.75	IN
CSD2	Outer Casing Outer Diameter	10.75	IN
CSW1	Inner Casing Weight	45	LB/F
CSW2	Outer Casing Weight	45	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	-0.00184813	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.990521	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.00375	
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	1.32	G/C3

OP System Version: 19C0-187

DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	Flip_DSI_HRLA_LDL_029LUP	PRODUCER	06-Apr-2017 18:02	4944.5 M	3717.0 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_036PUP	FN:47	PRODUCER	06-Apr-2017 20:17	
BACKUP	DSI_HRLA_LDL_NGS_036PUP	FN:48	PRODUCER	06-Apr-2017 20:17	

Input DLIS Files

DEFAULT	Flip_DSI_HRLA_LDL_029LUP	PRODUCER	06-Apr-2017 18:02	4944.5 M	3717.0 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_036PUP	FN:47	PRODUCER	06-Apr-2017 20:17	4944.5 M	3717.0 M
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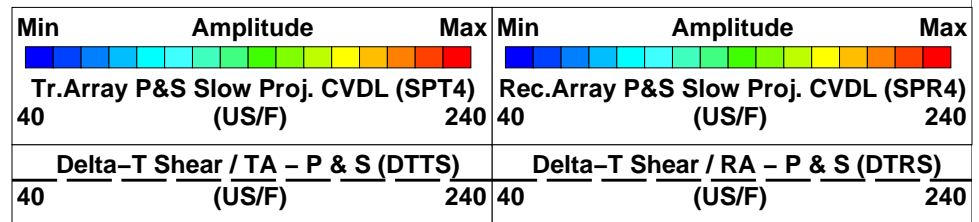
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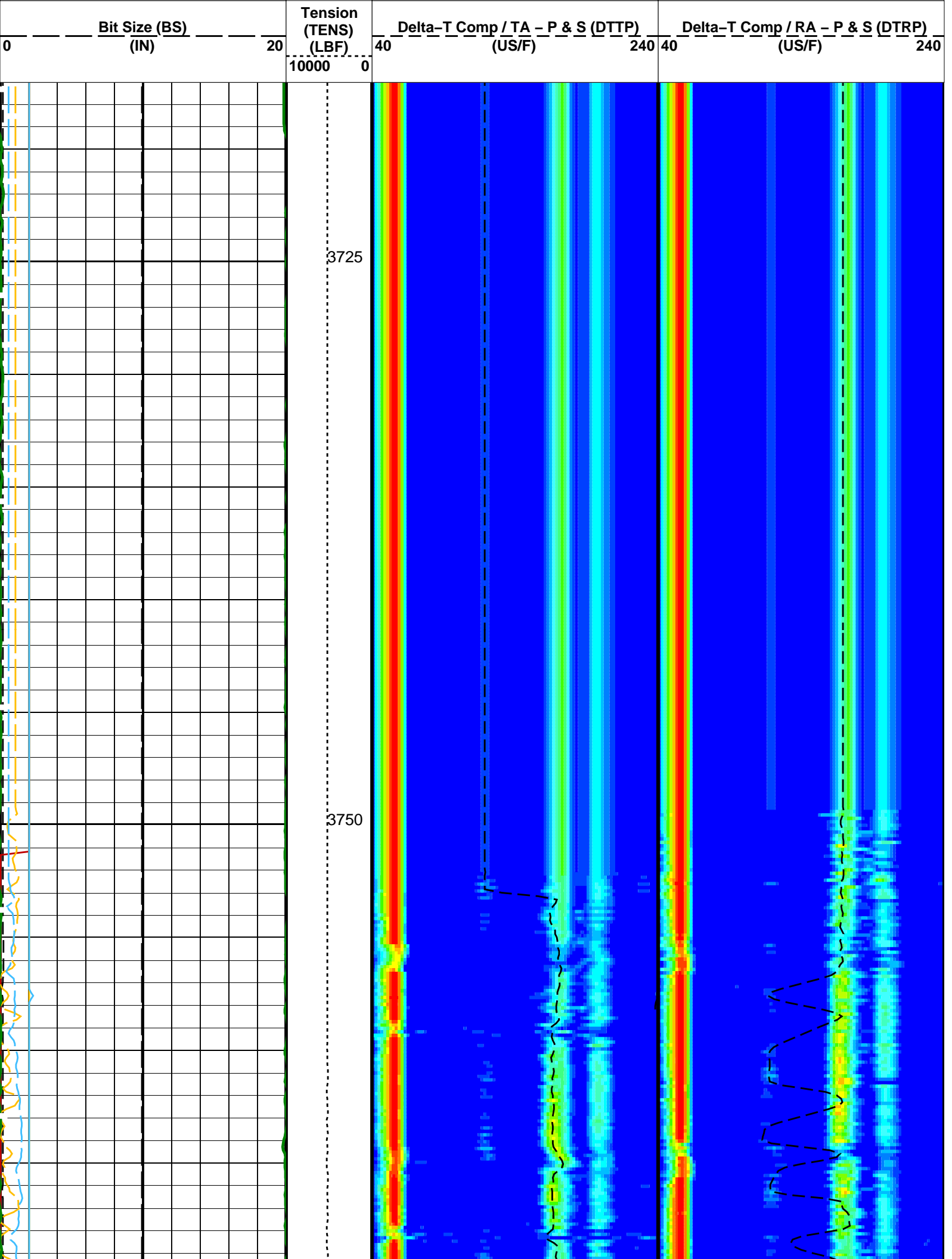
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HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

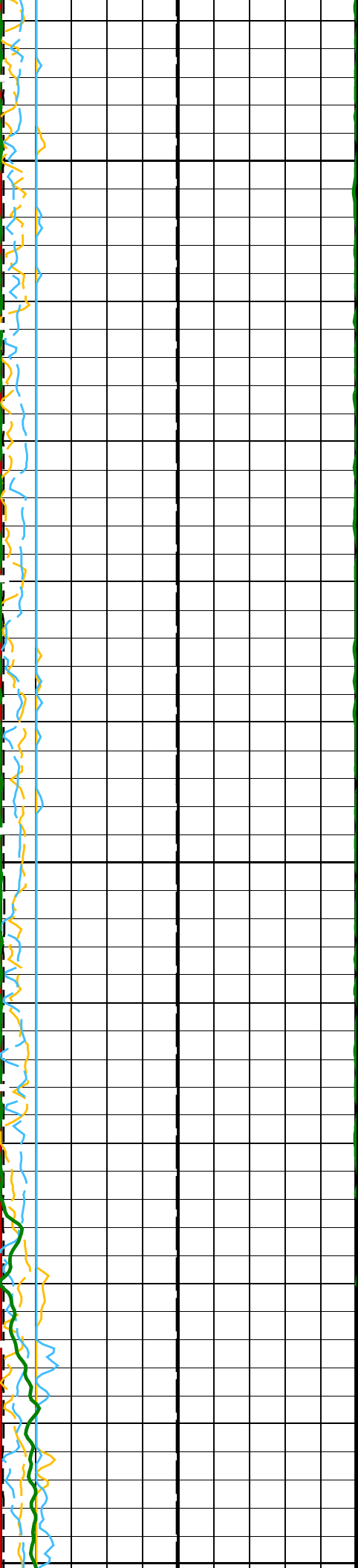
PIP SUMMARY

Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - P & S Shear (CHTS)		
-1	(----)	9
Peak Coherence / RA - P & S Shear (CHRS)		
-1	(----)	9
Peak Coherence / TA - P & S Comp (CHTP)		
0	(----)	10
Peak Coherence / RA - P & S Comp (CHRP)		
0	(----)	10
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)		
0	(----)	10
SAM4 Waveform Gain (WFG4)		
0	(----)	1000



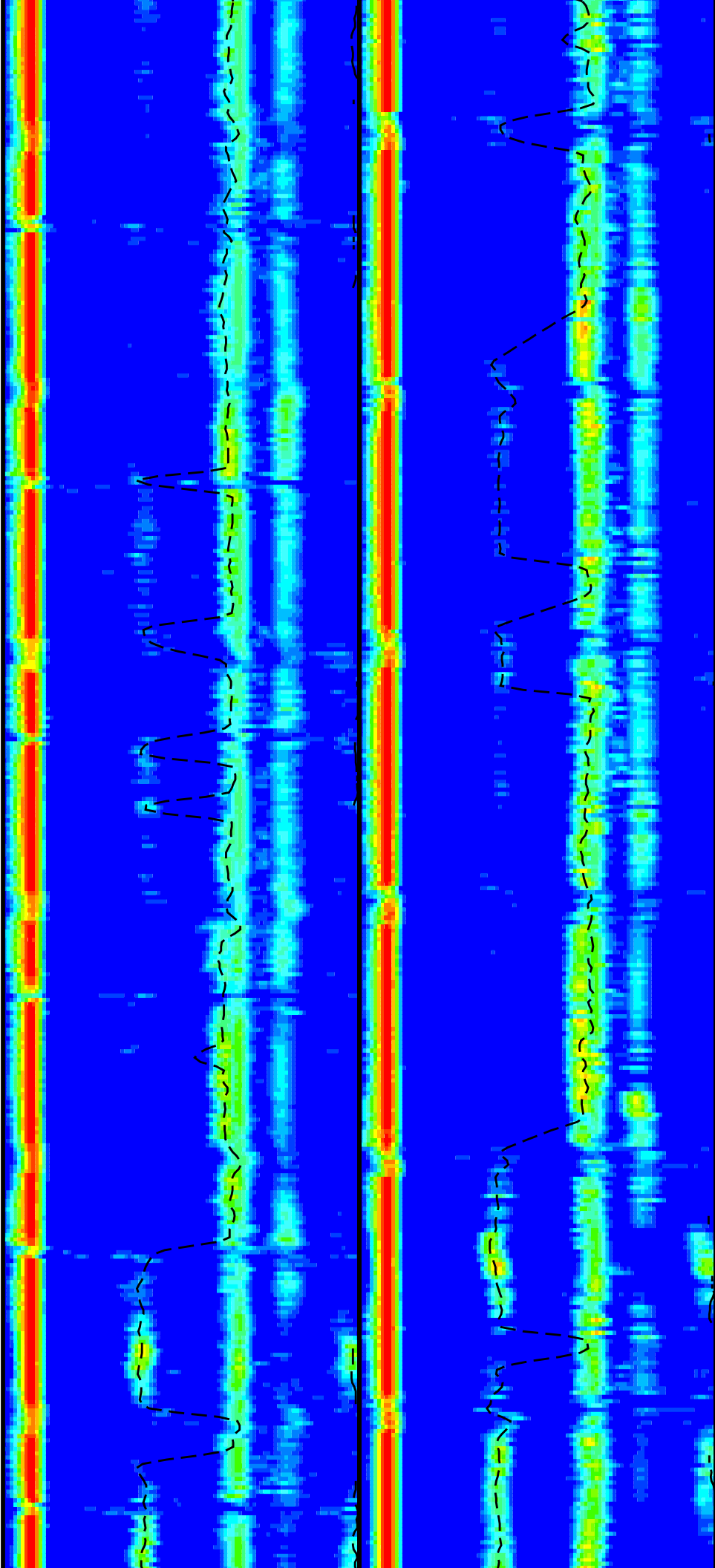


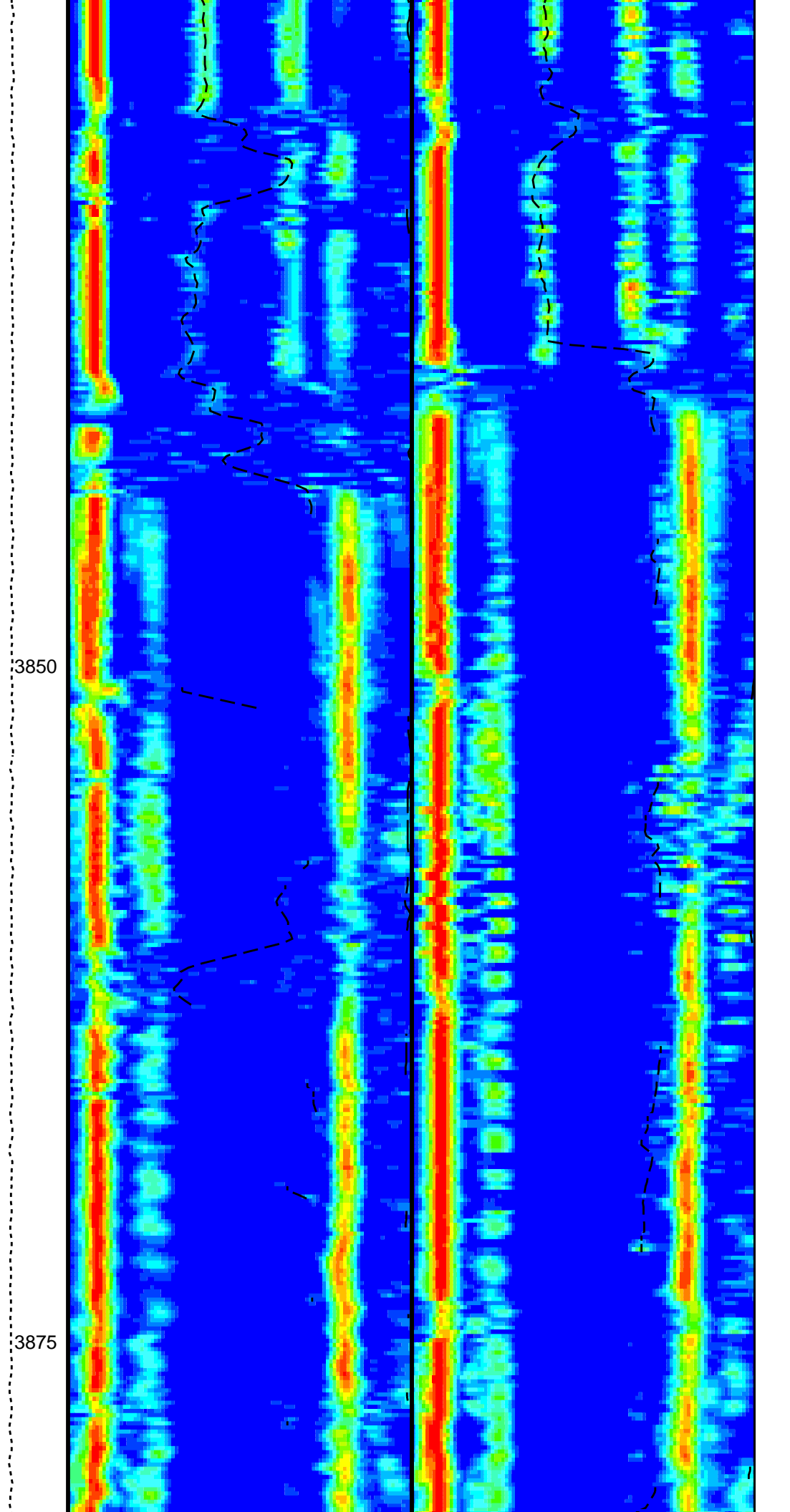
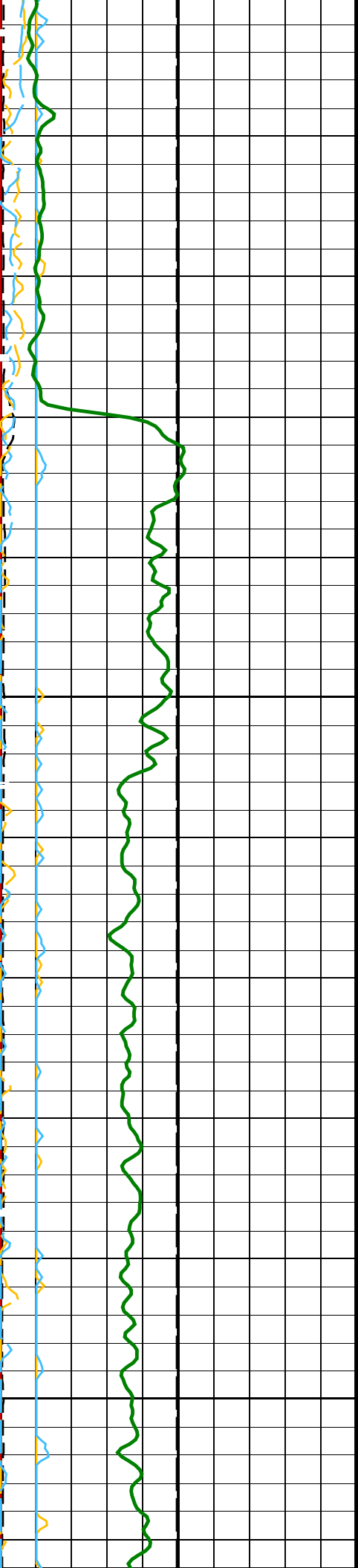


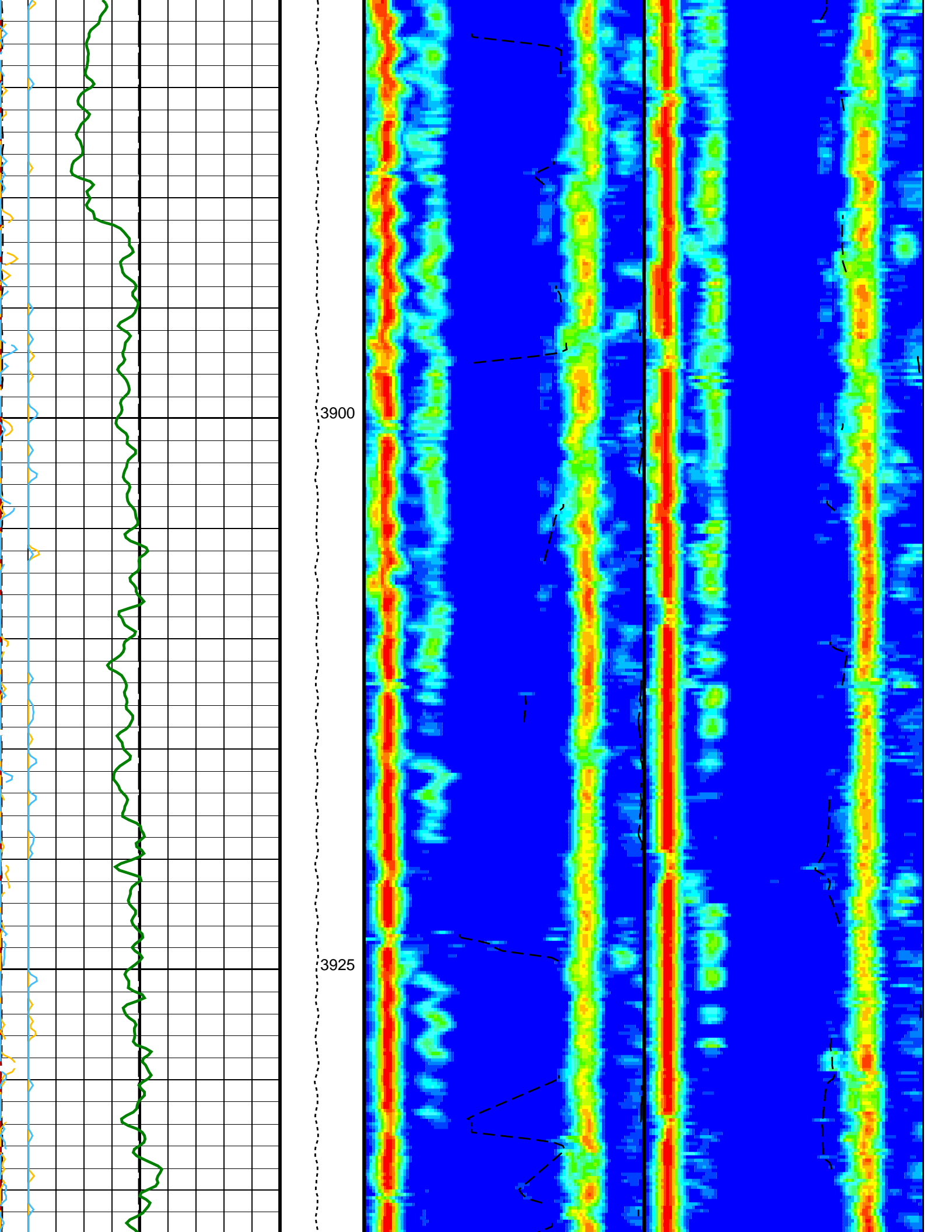
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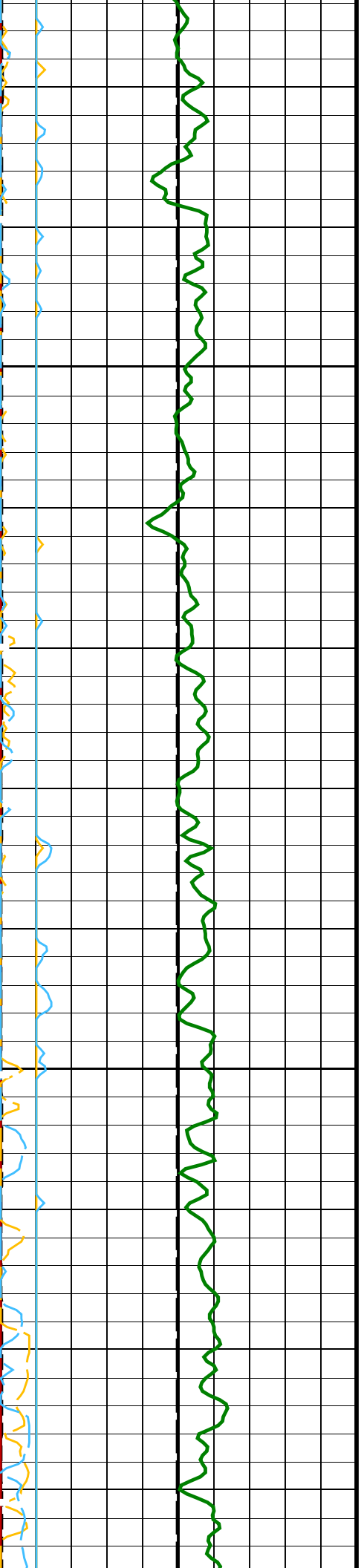
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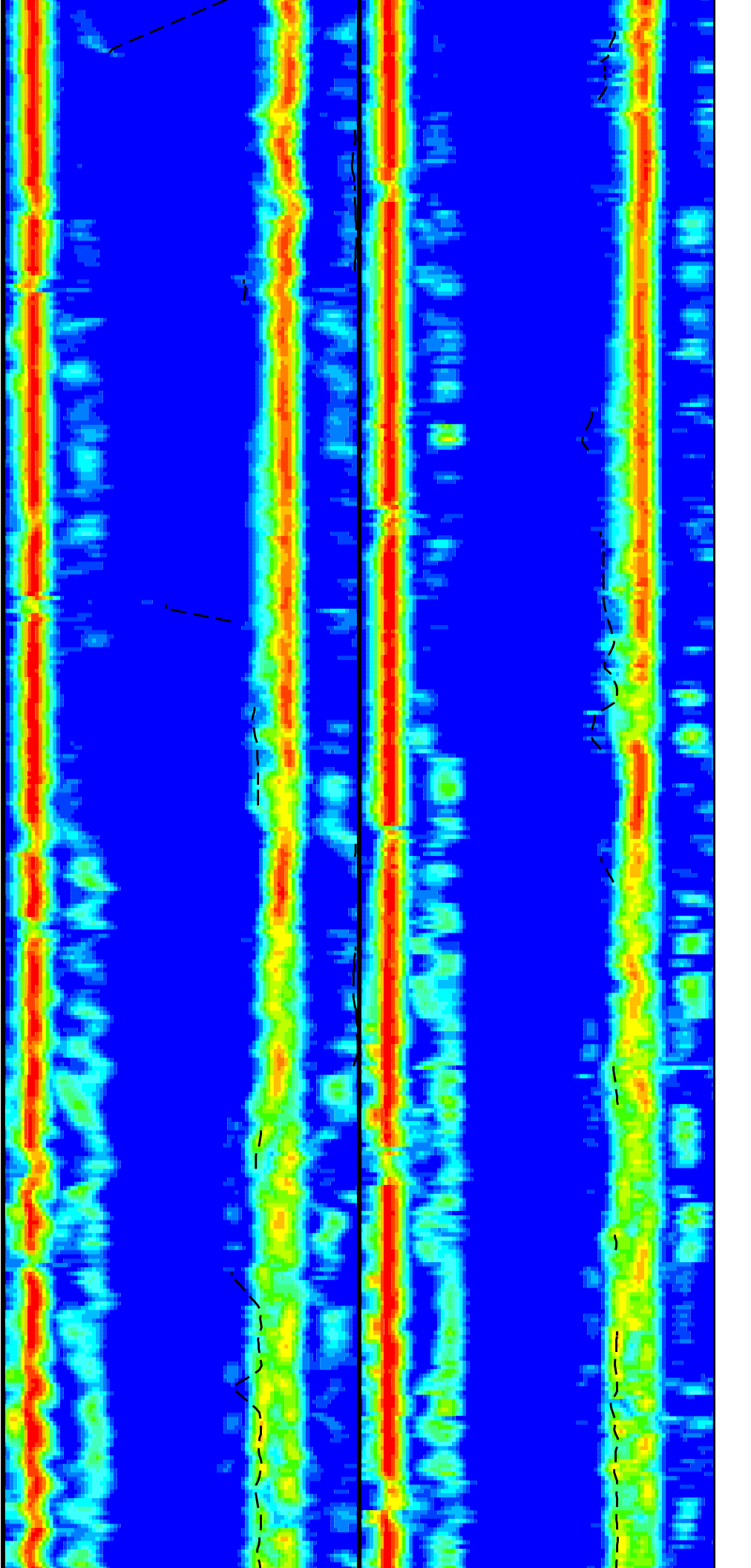


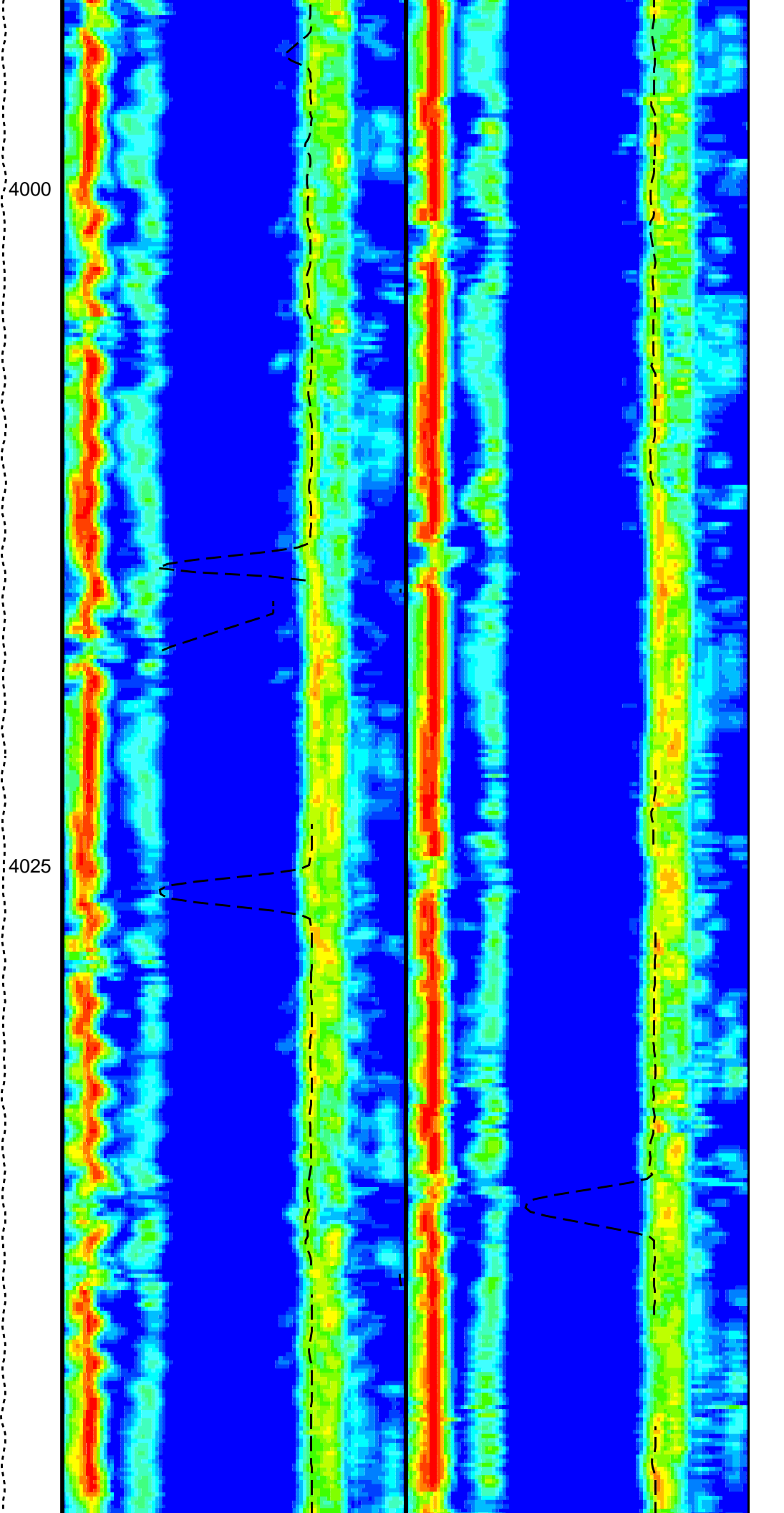
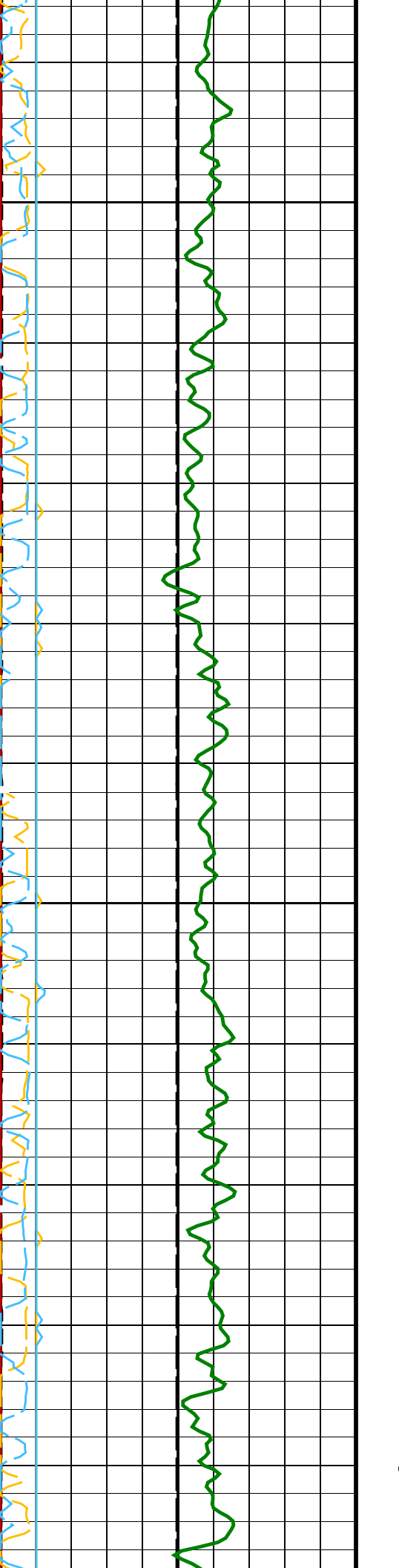


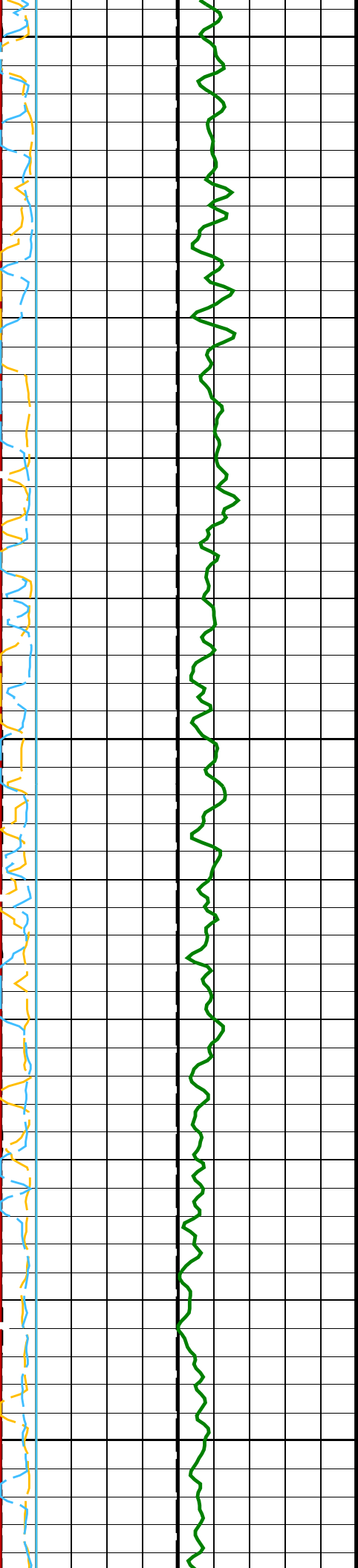


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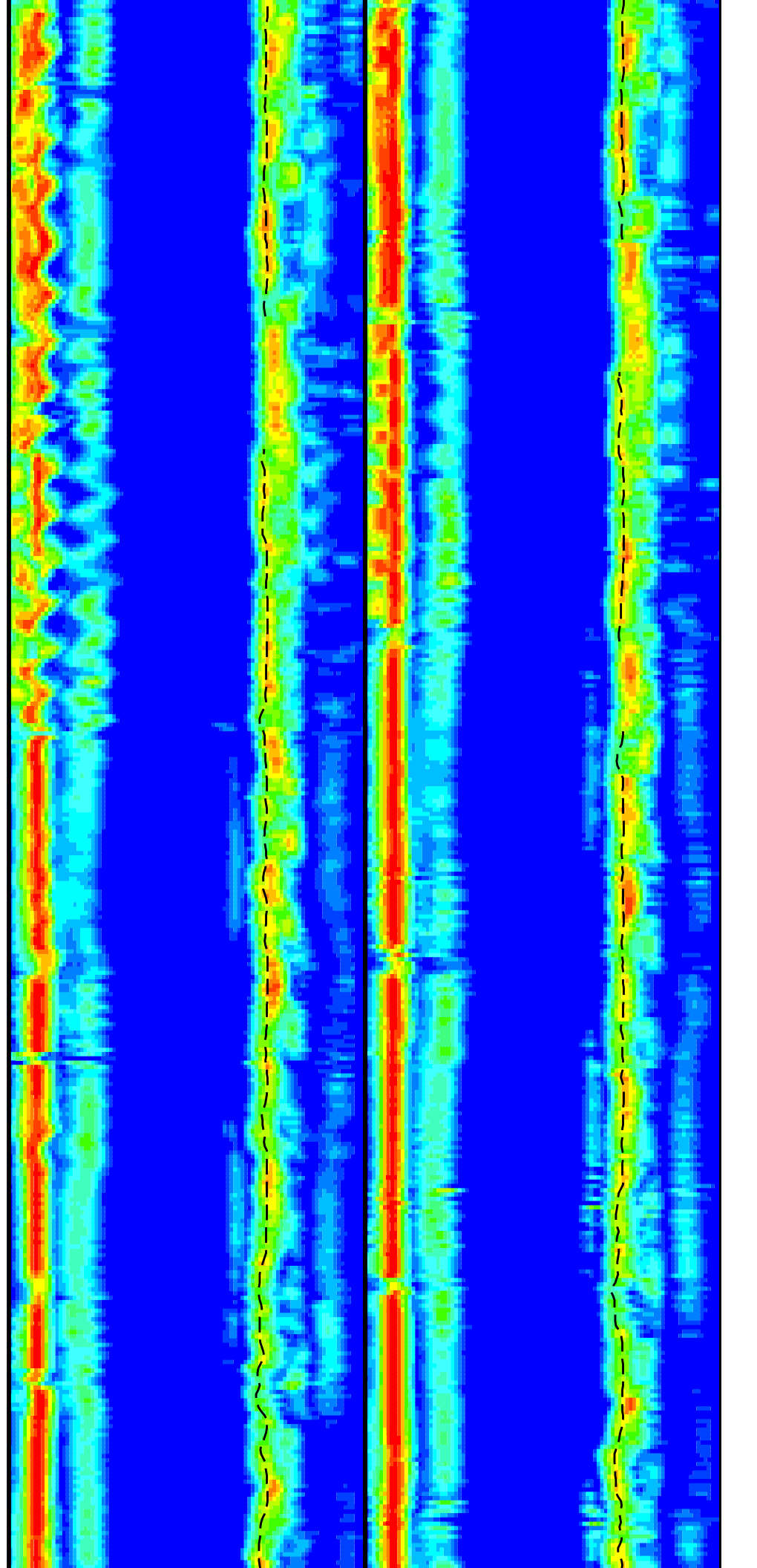


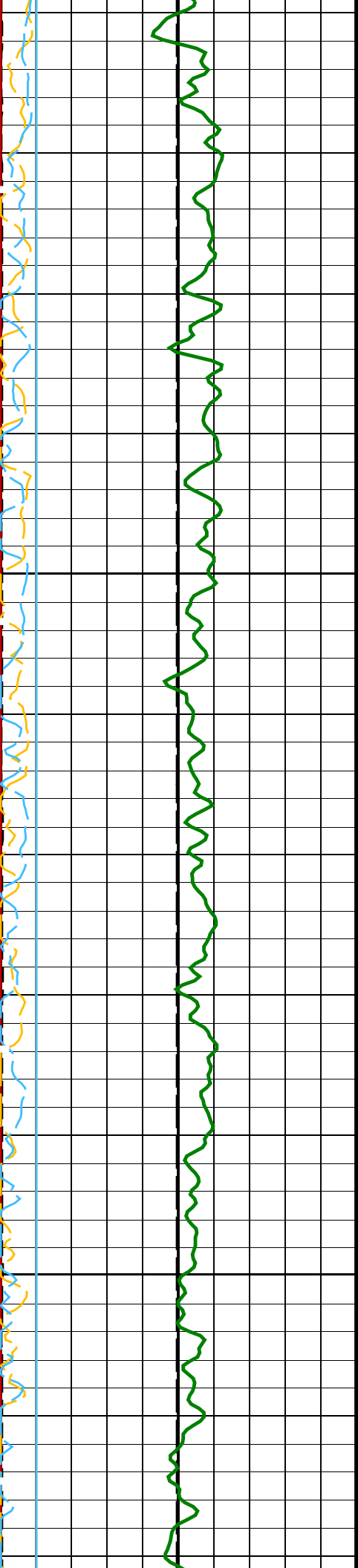


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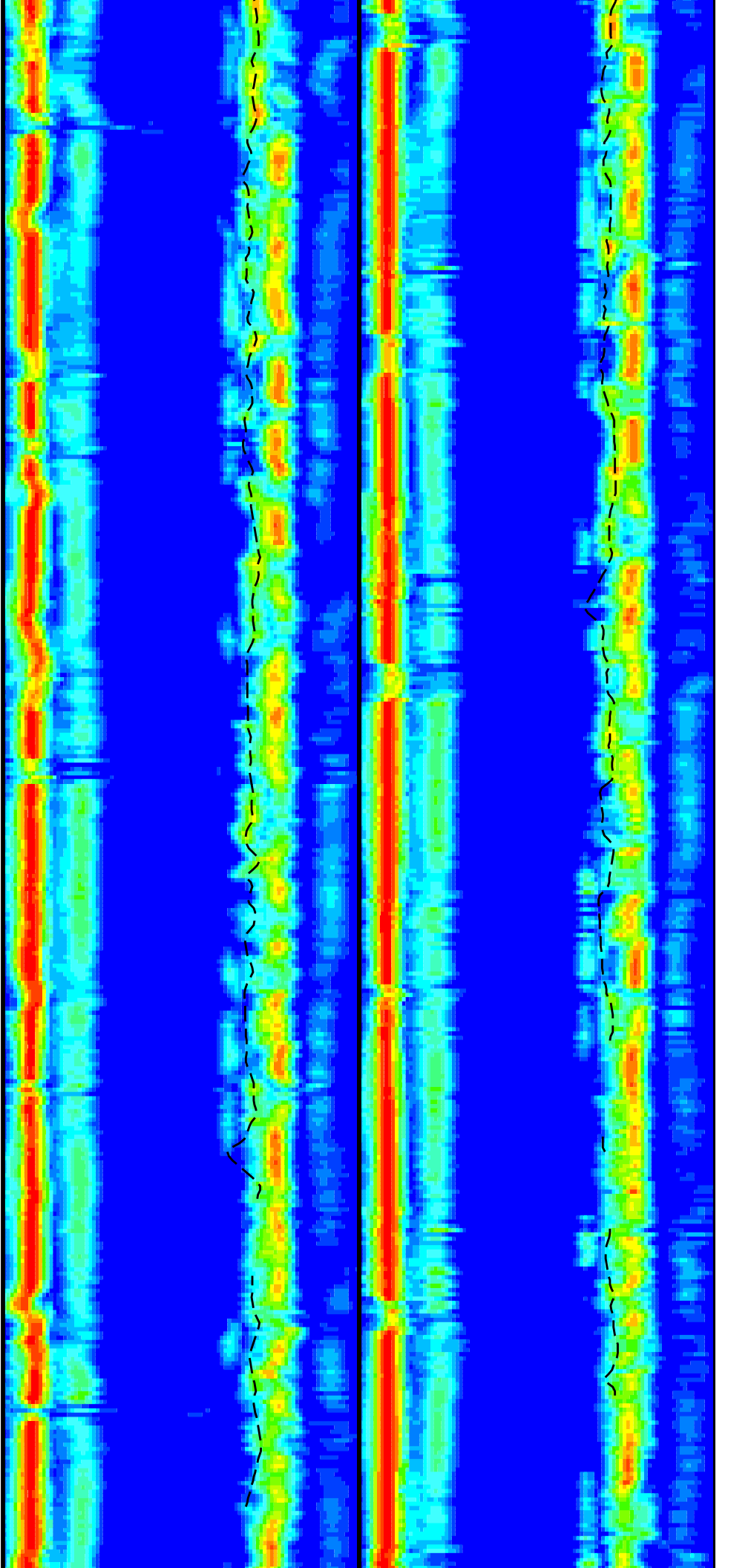
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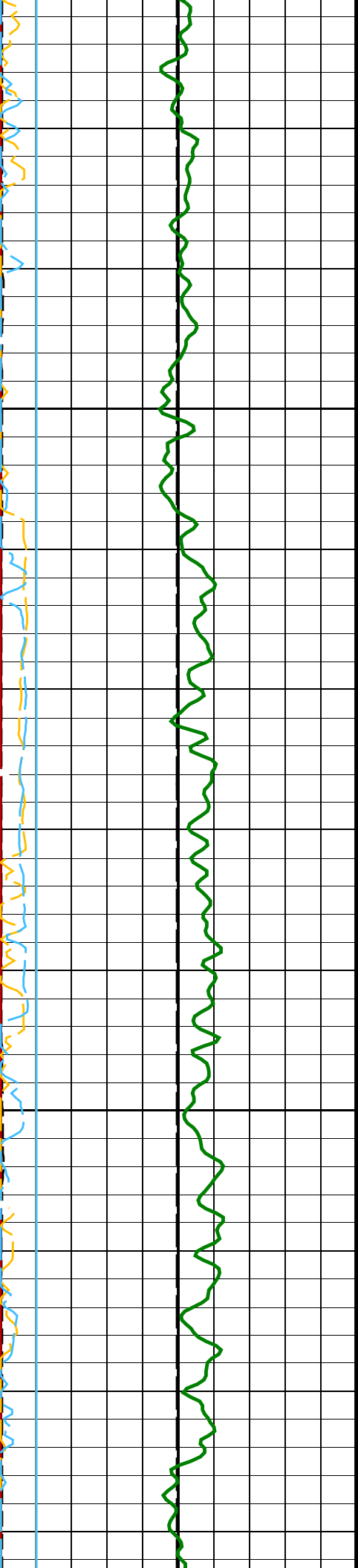




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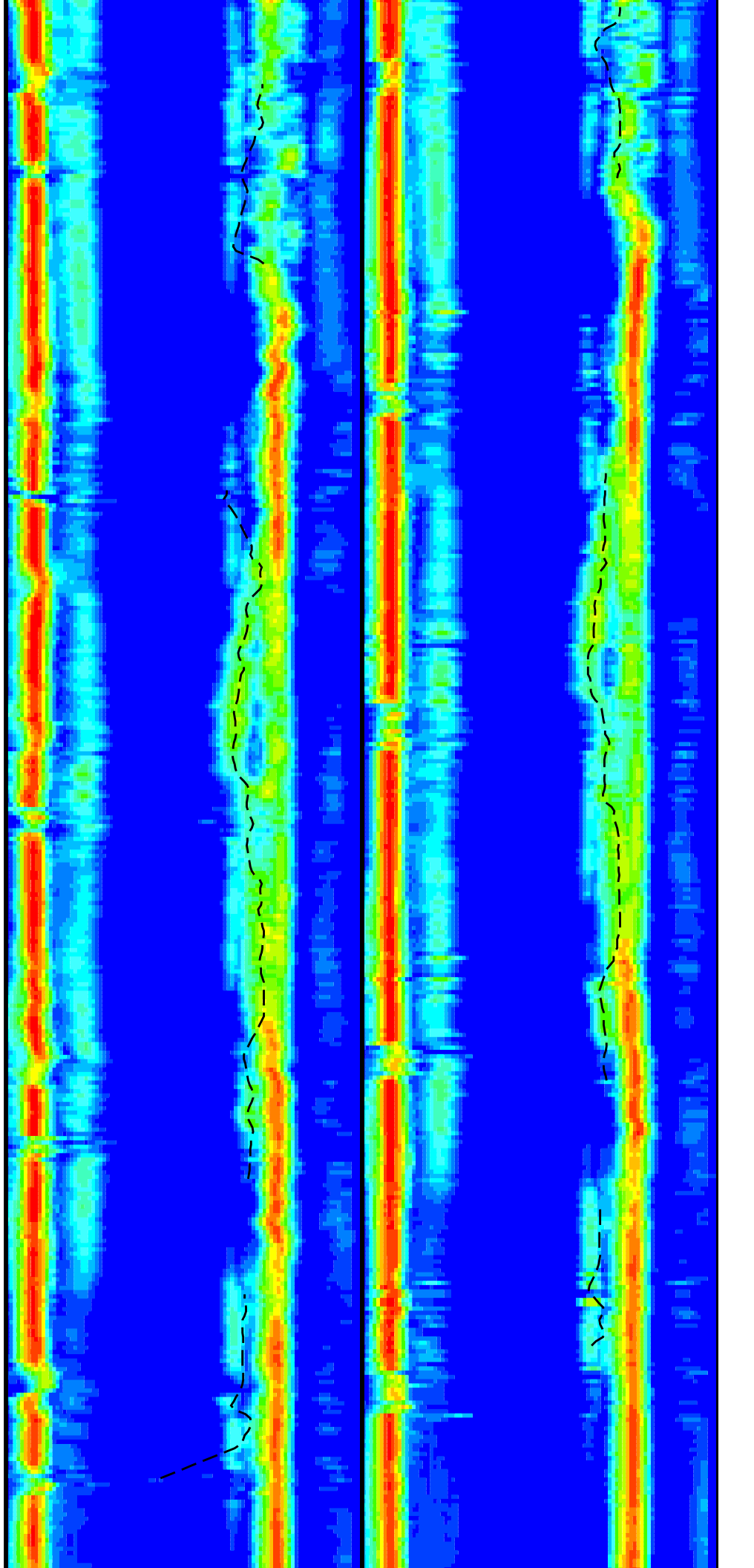
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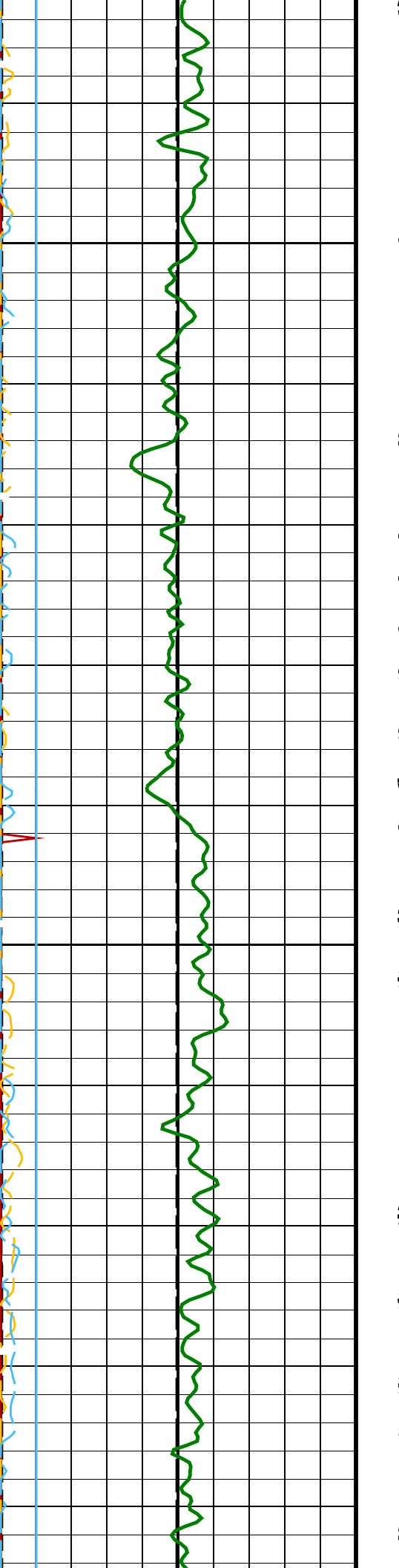




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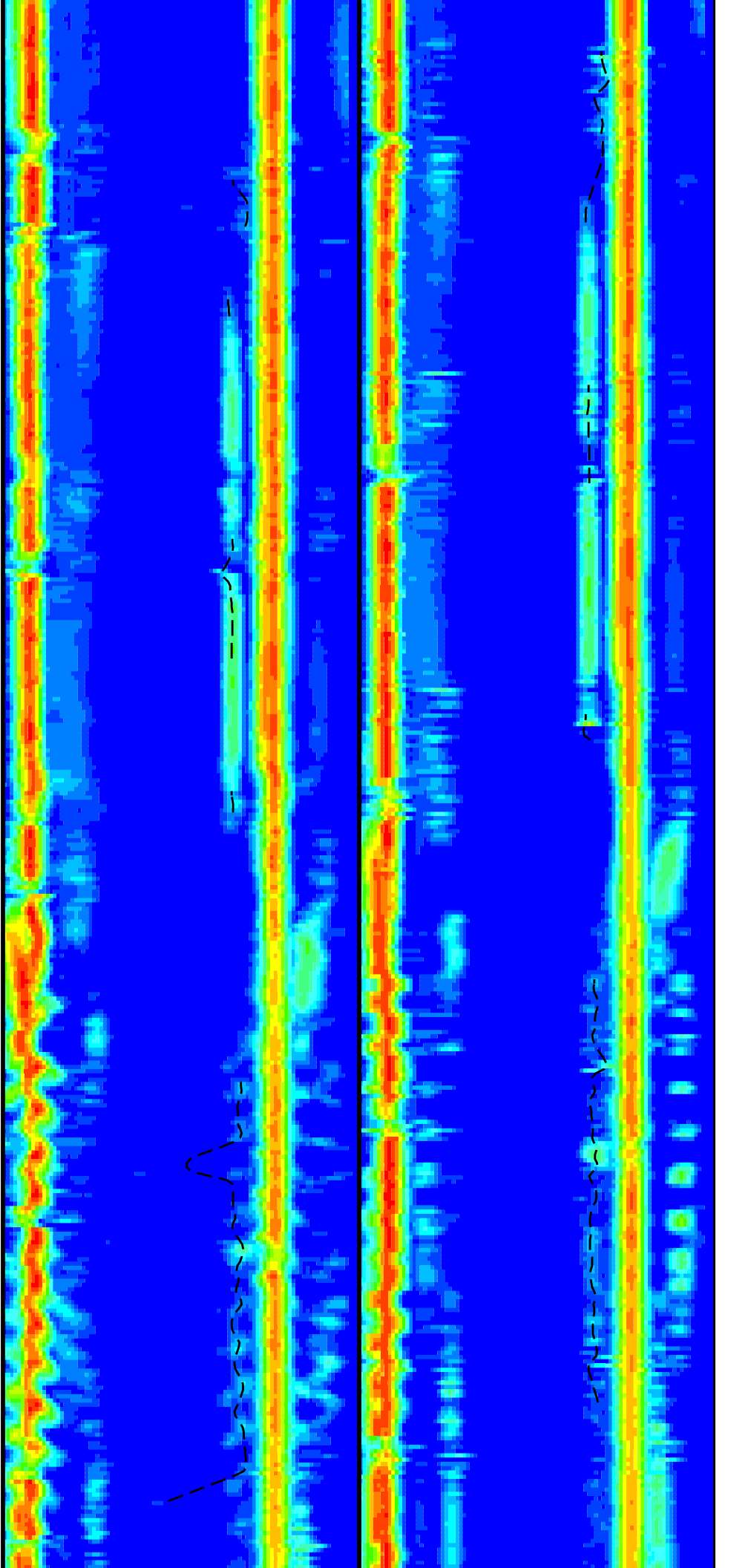
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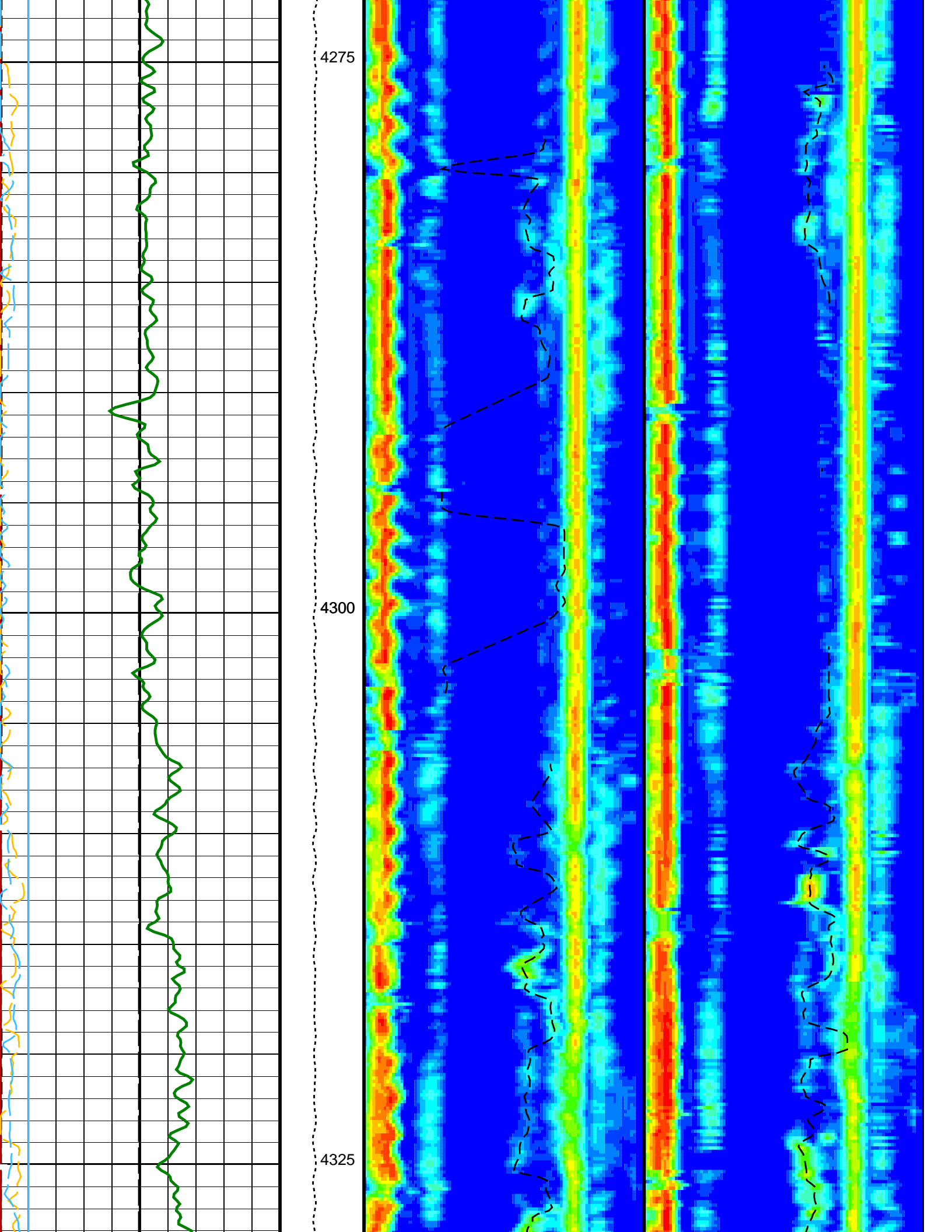


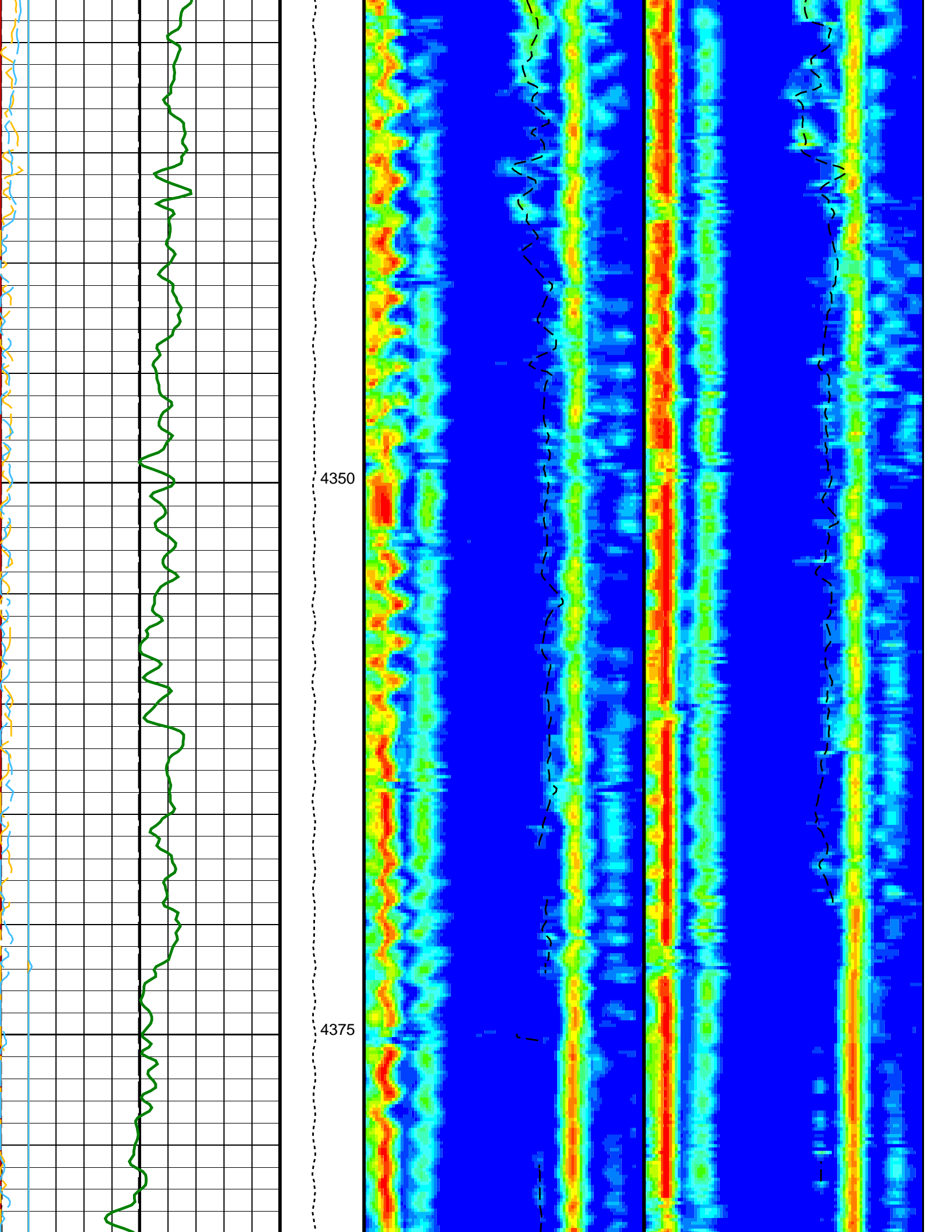


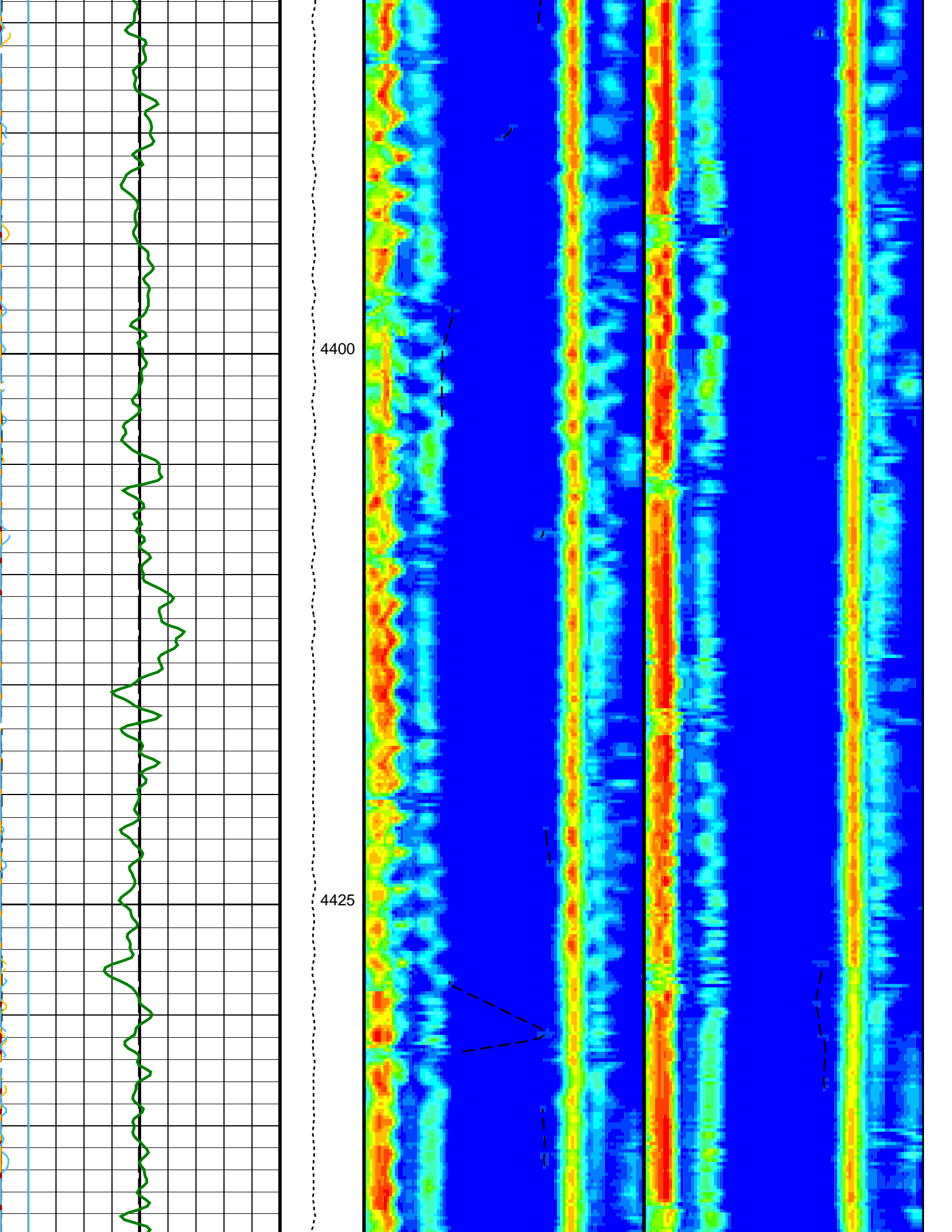
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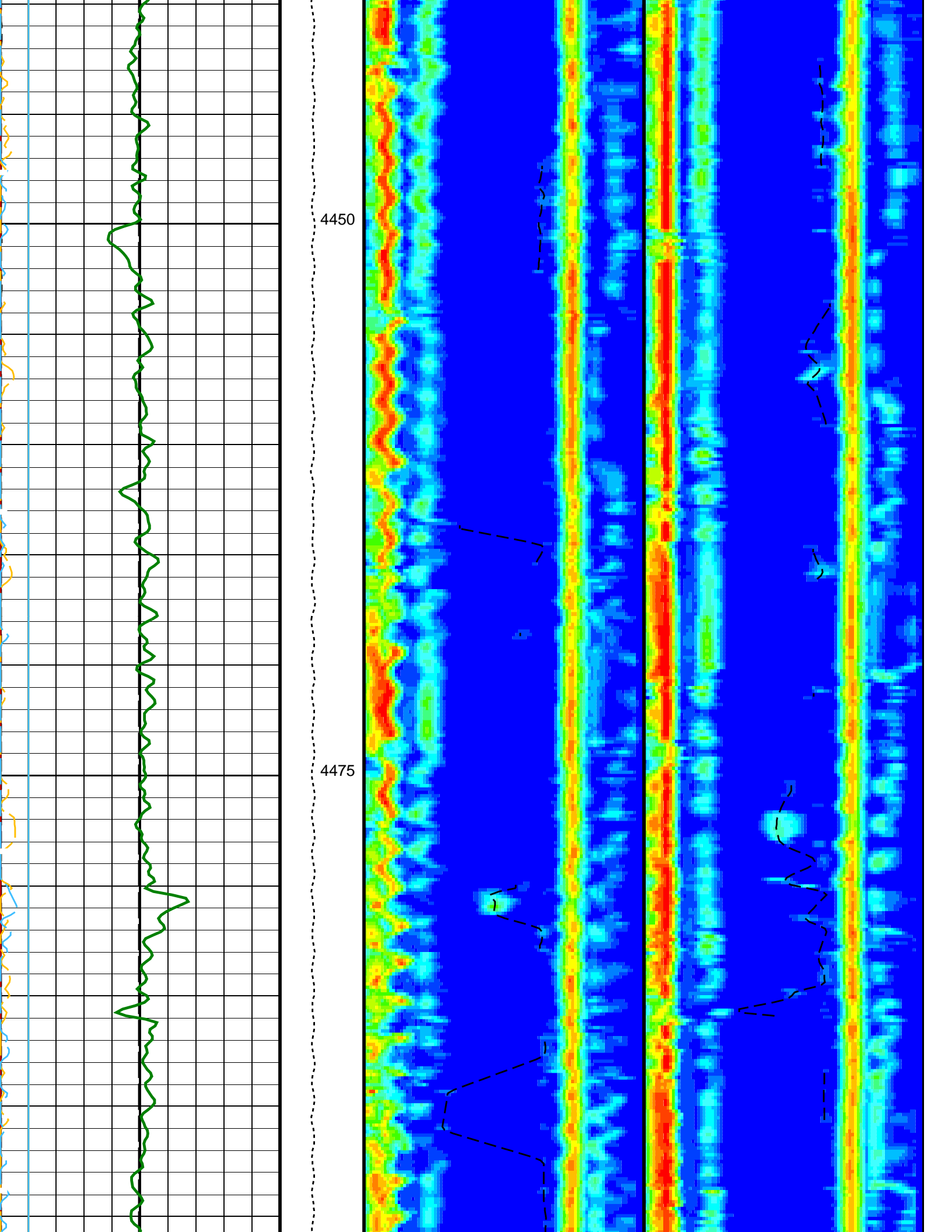
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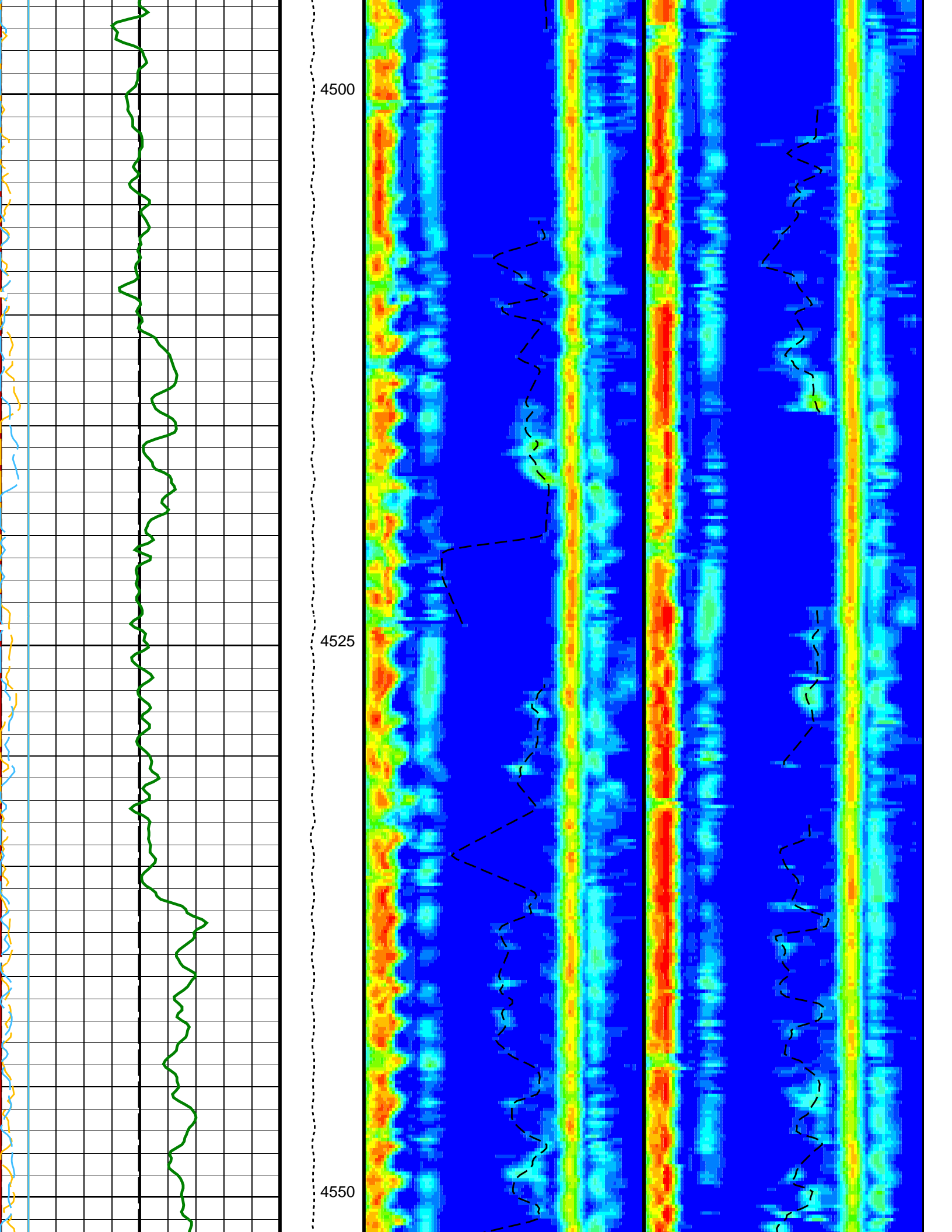


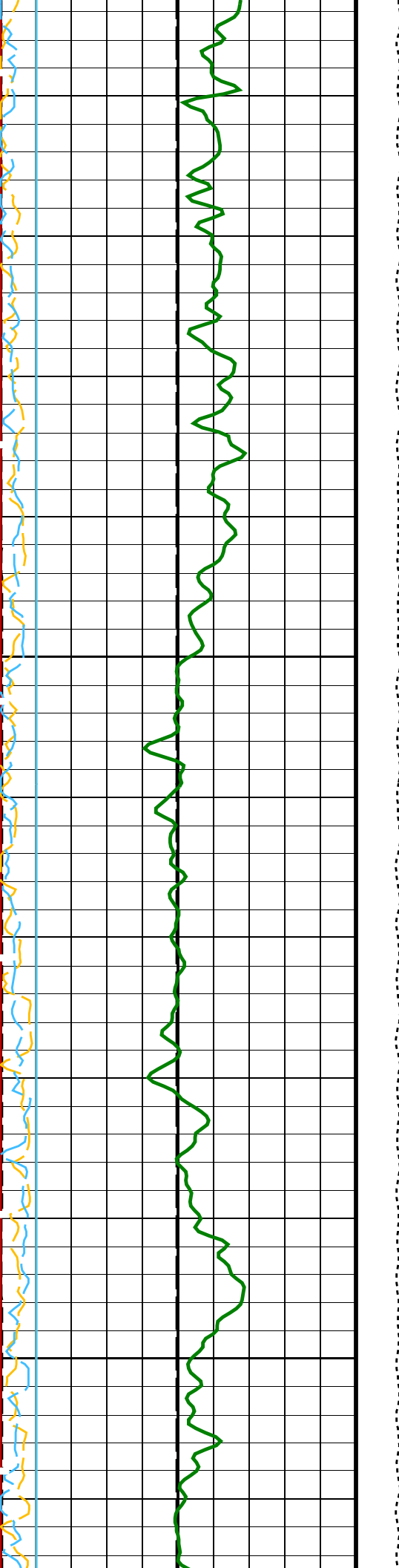




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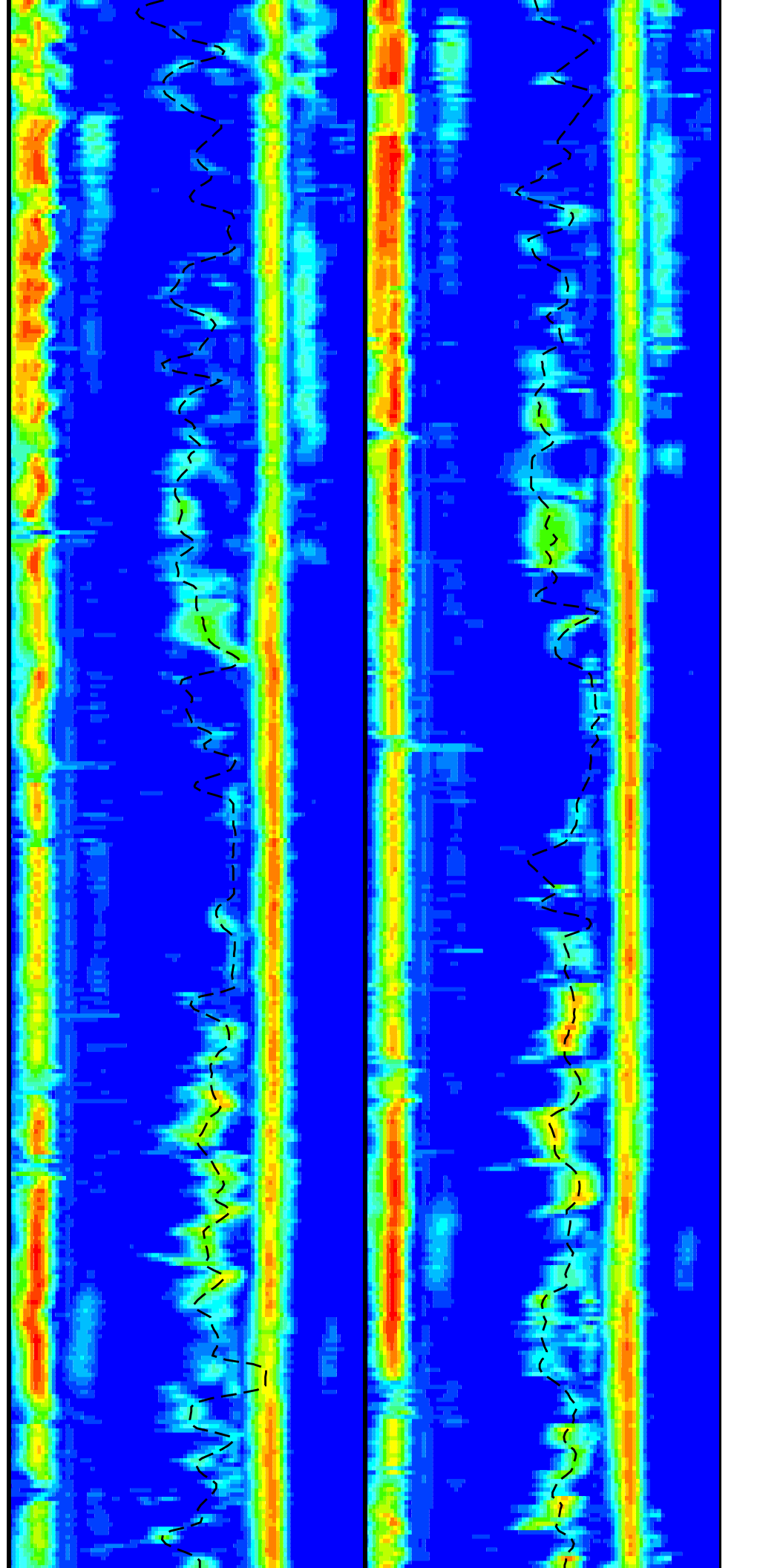
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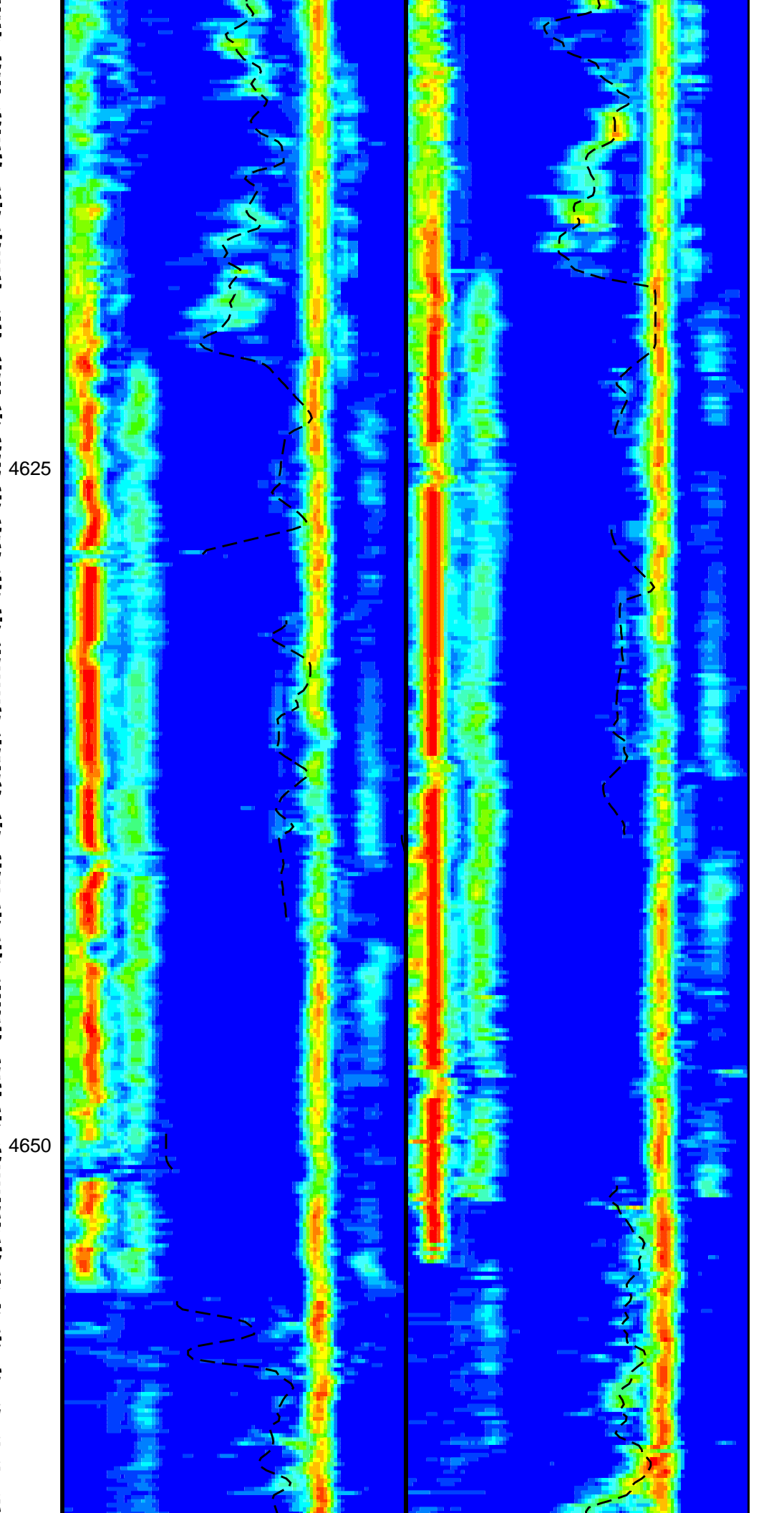
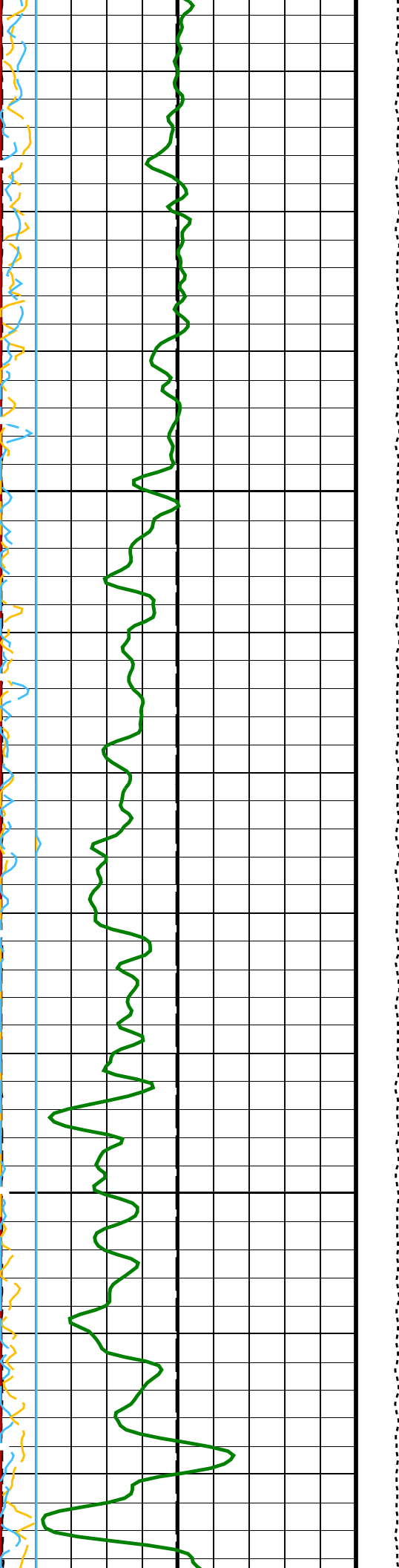


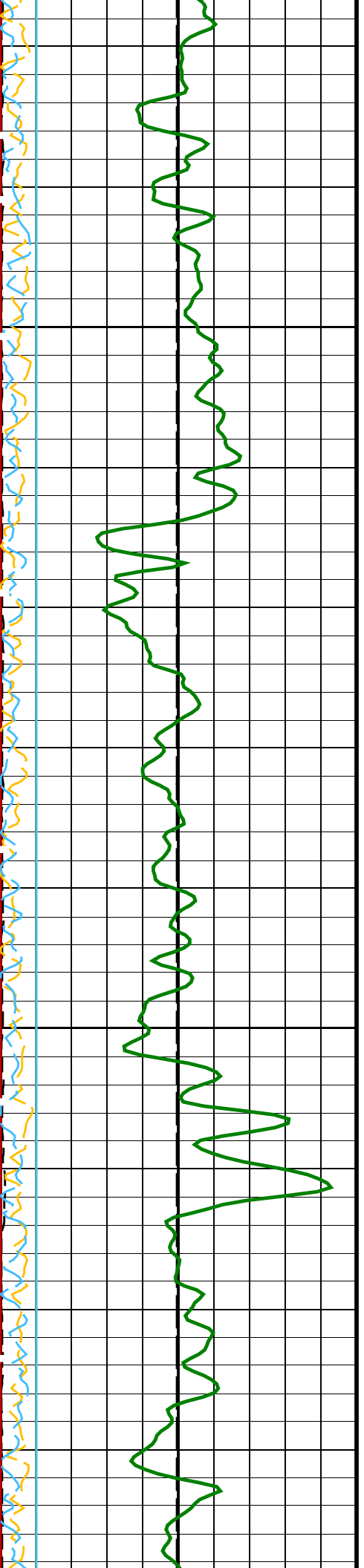


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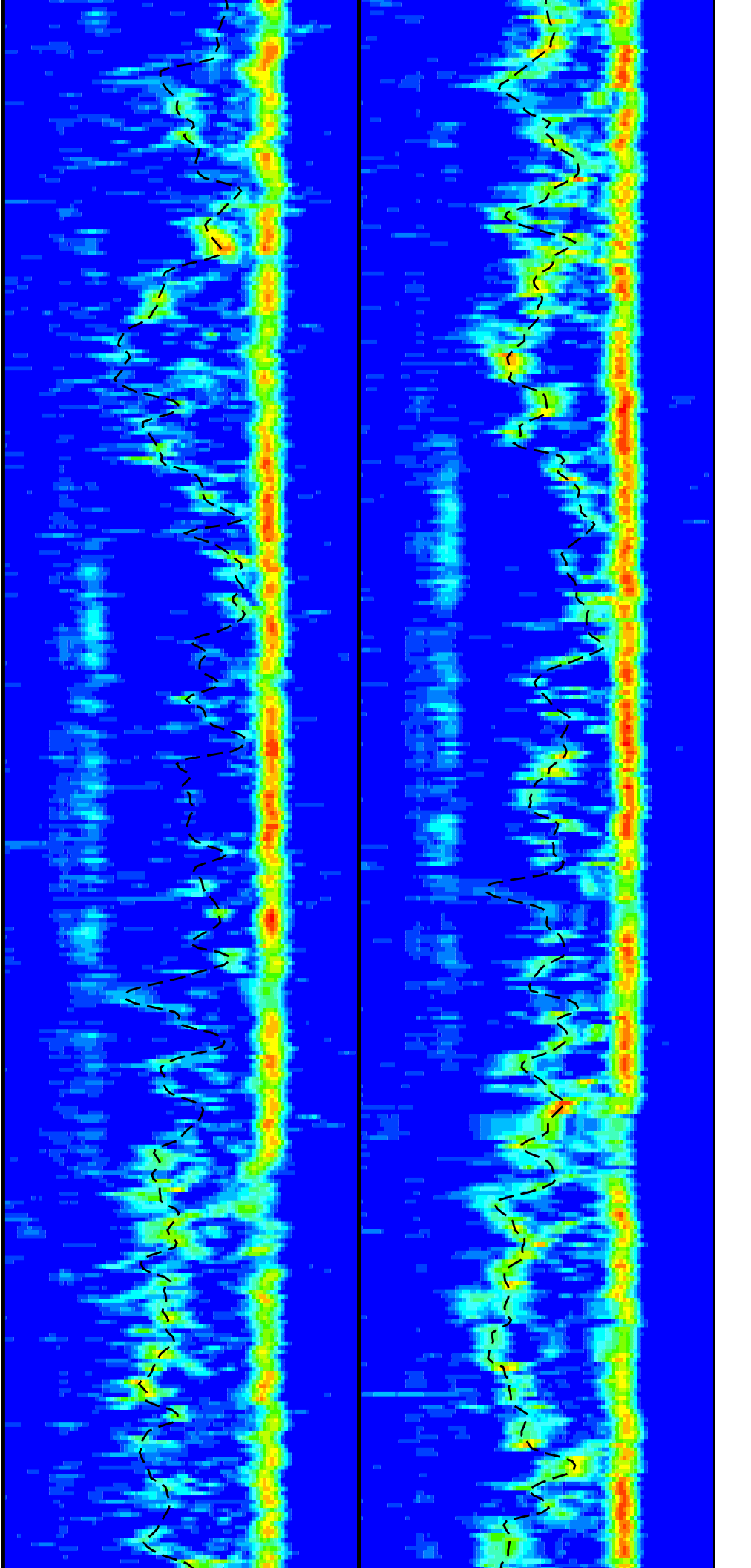


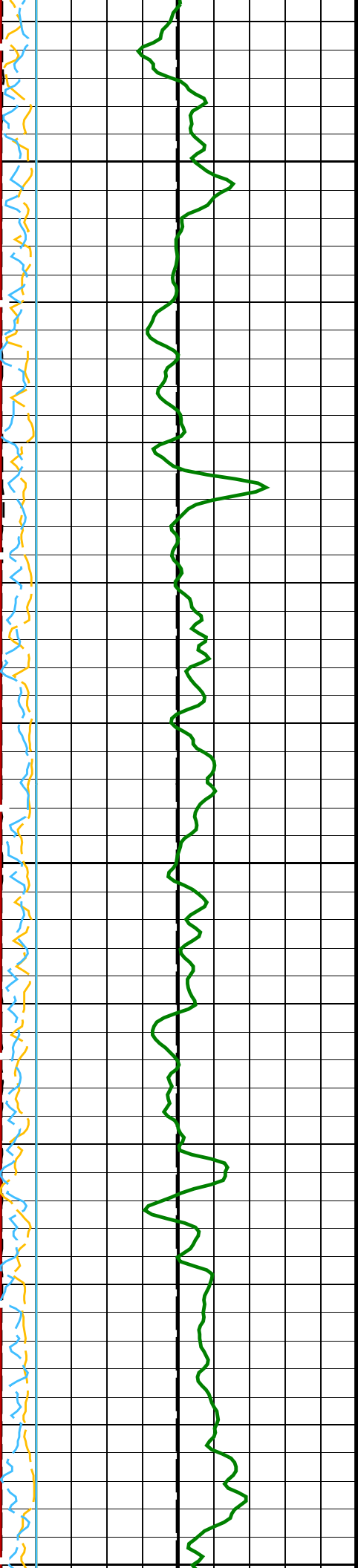




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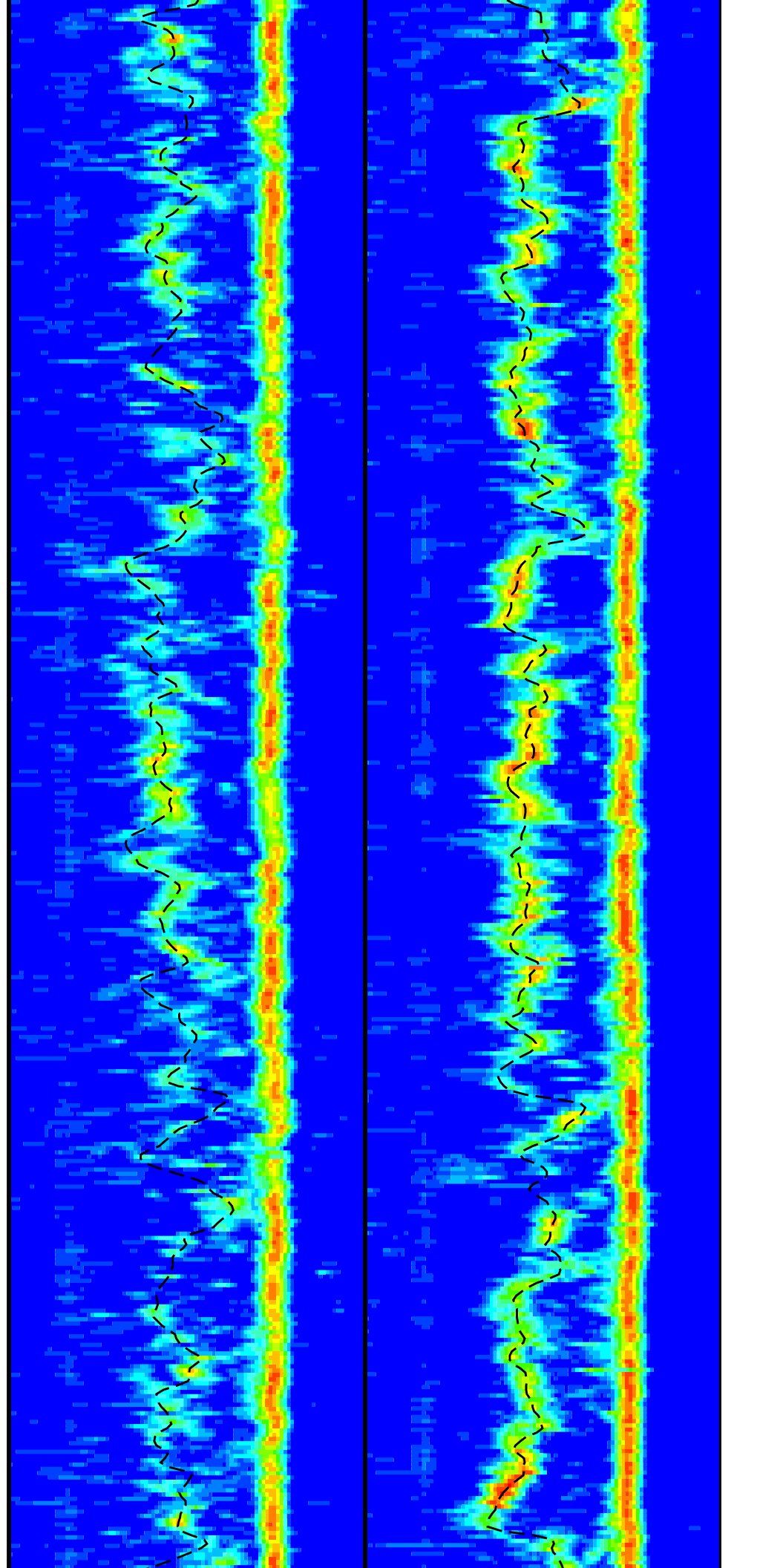


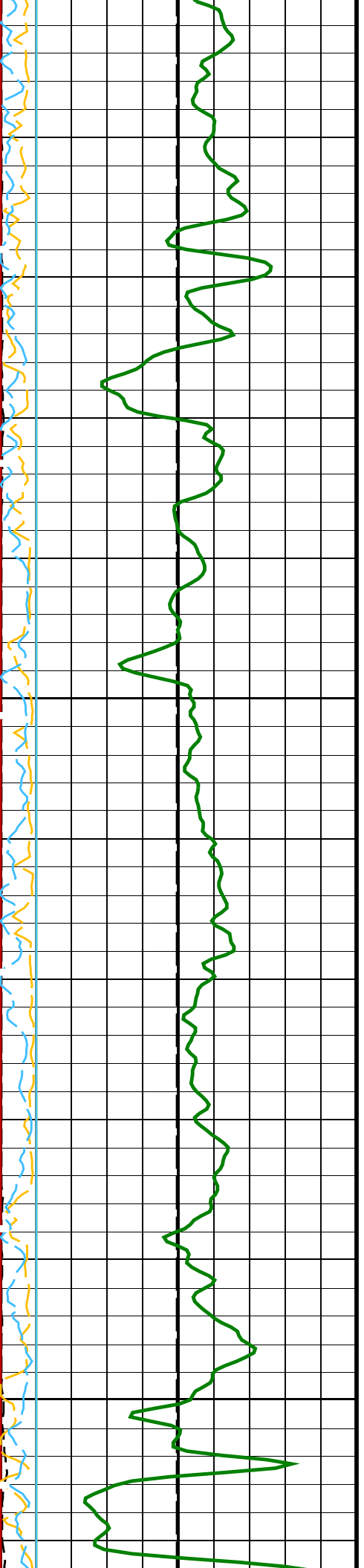


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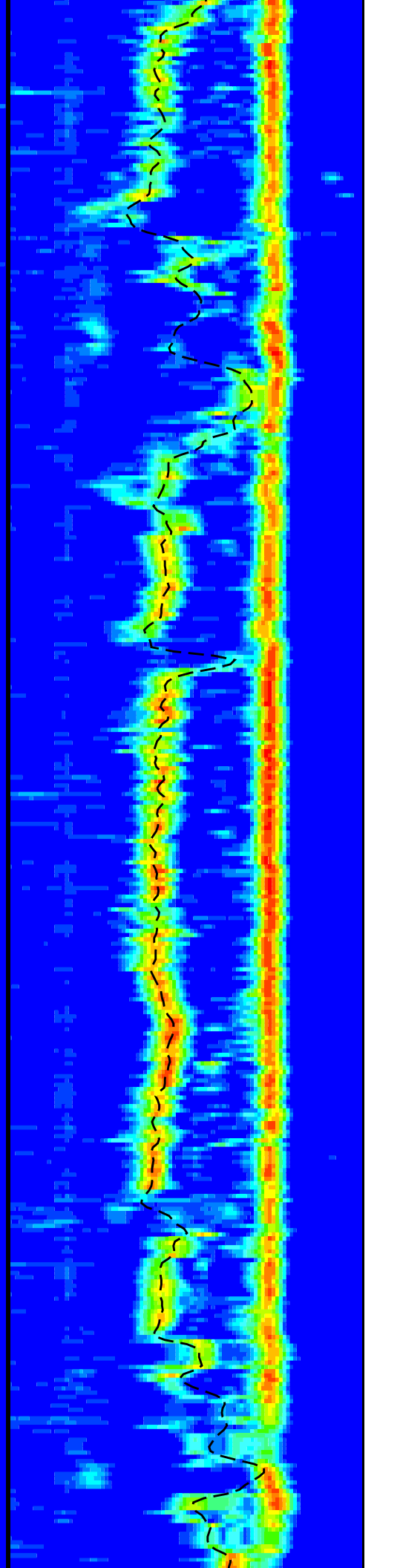
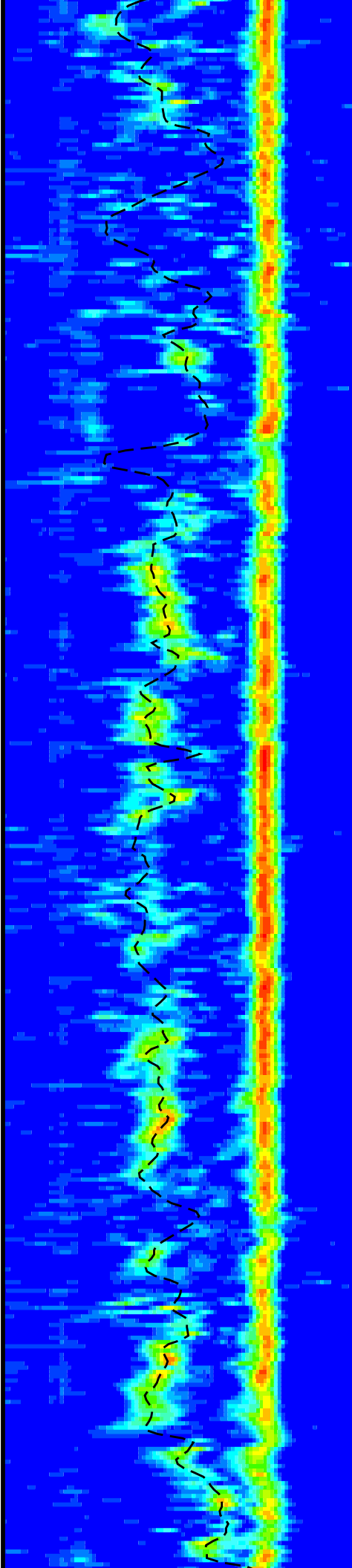
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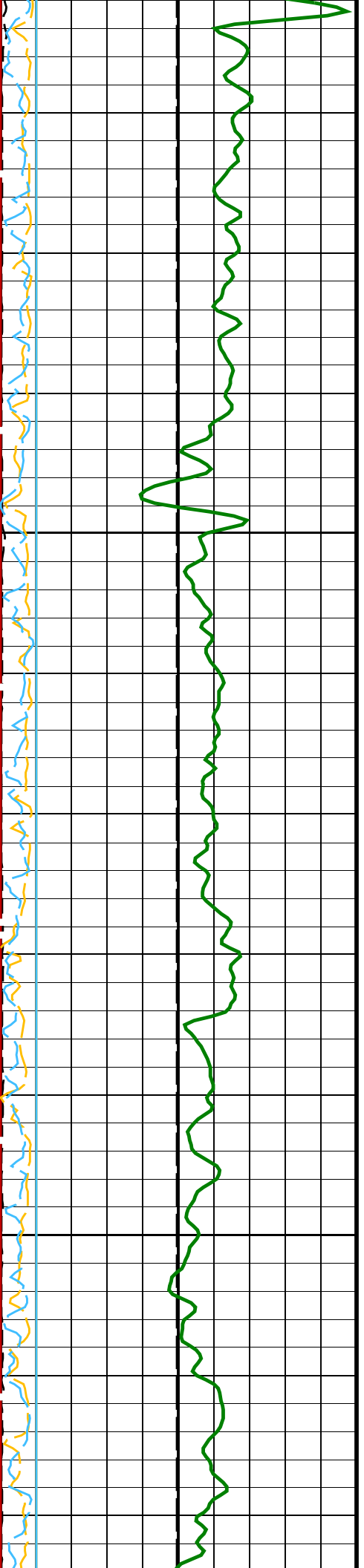




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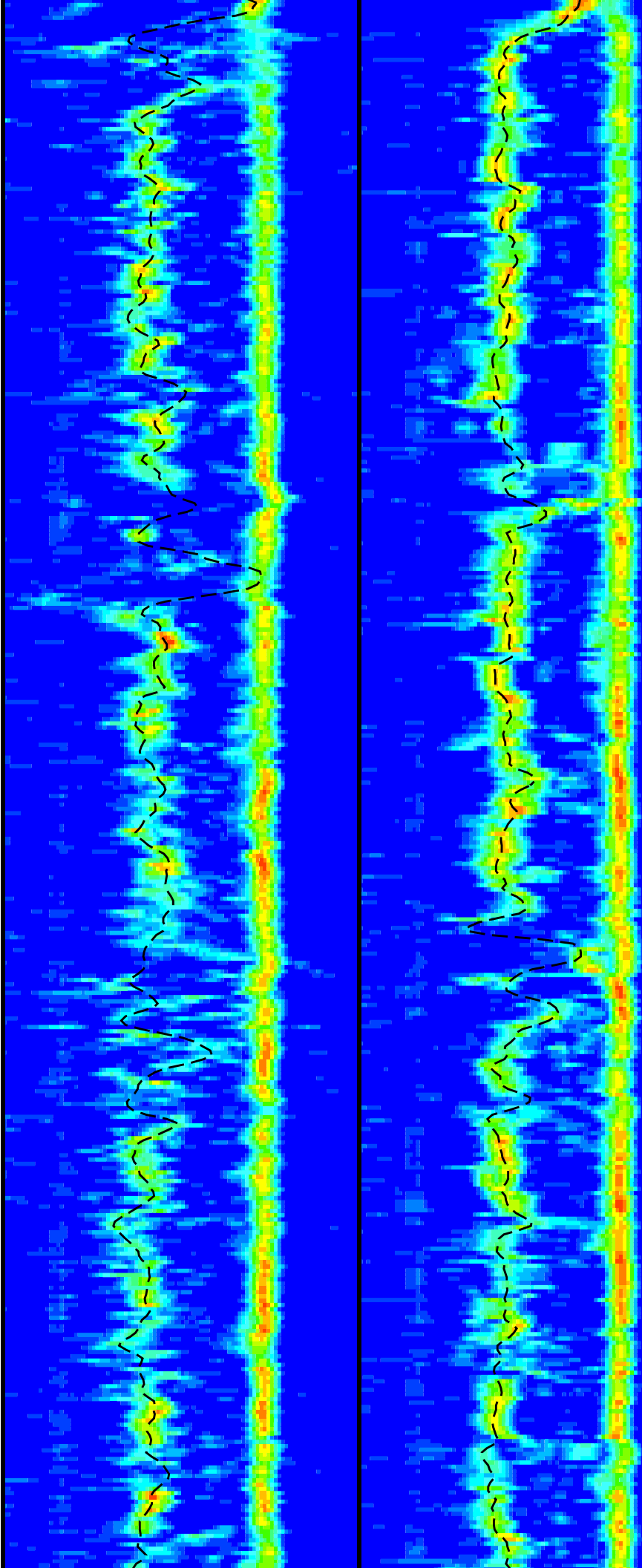
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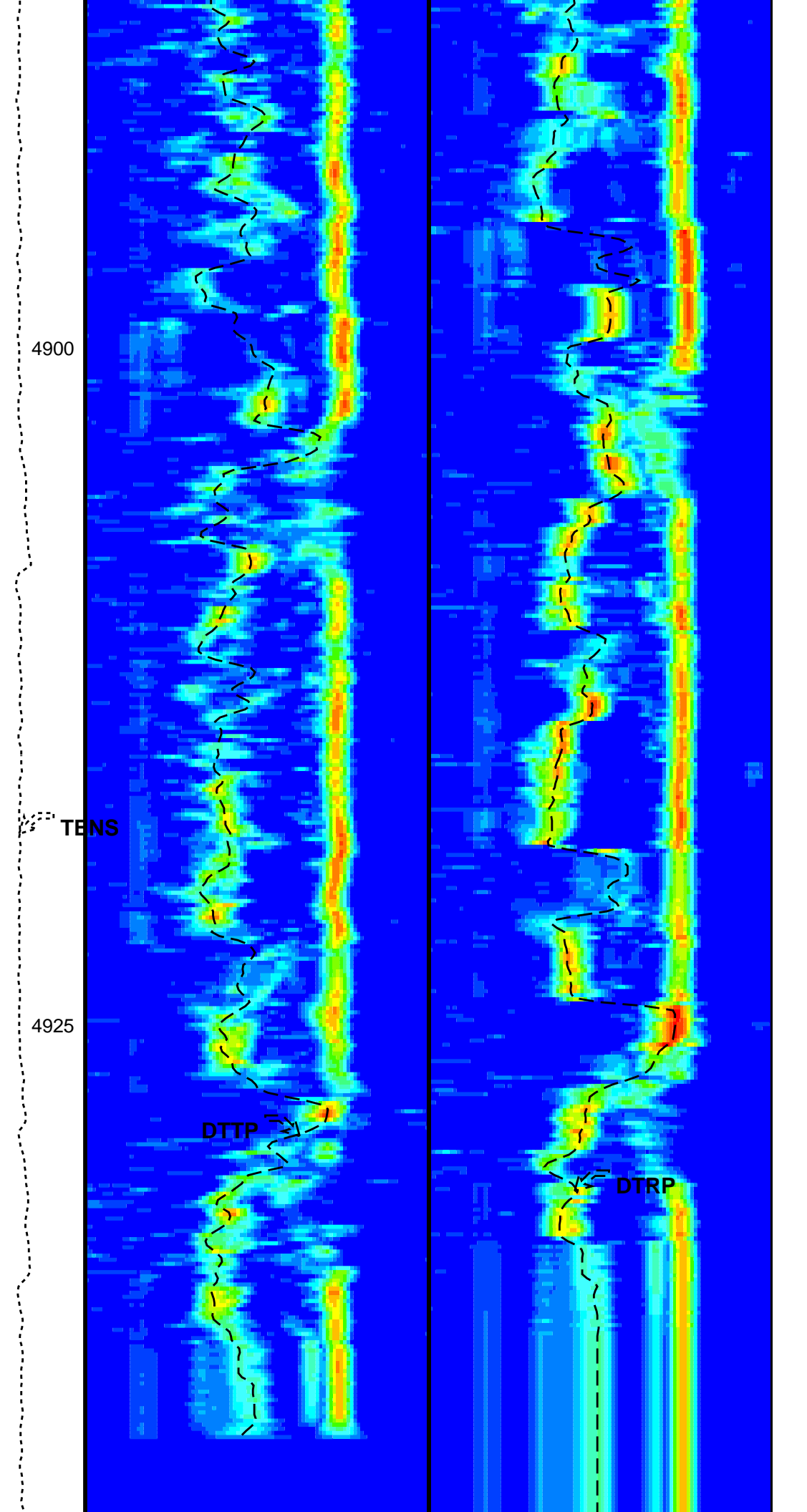
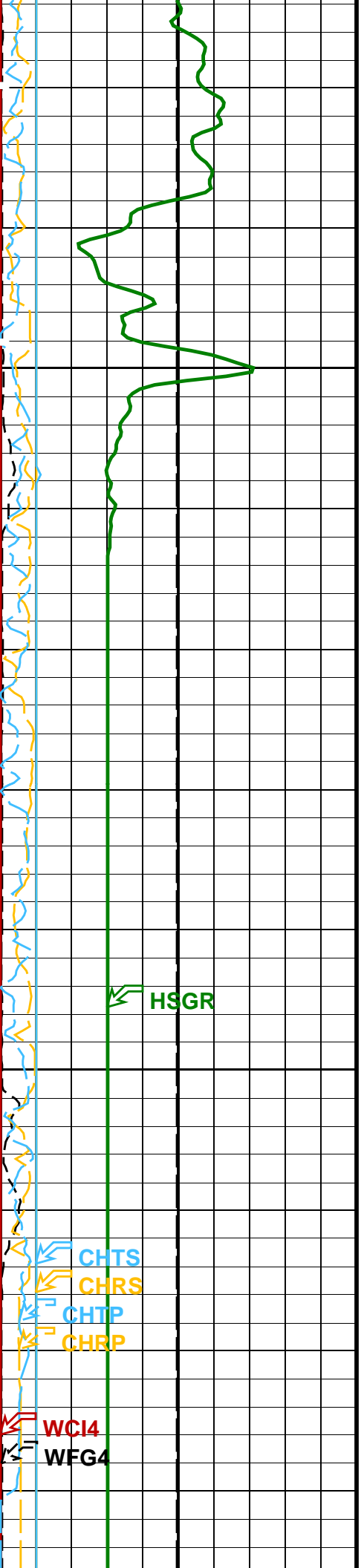




4850

4875





Bit Size (BS) 0 (IN) 20		Tension (TENS) (LBF) 0 10000	Delta-T Comp / TA - P & S (DTTP) (US/F) 40 240	Delta-T Comp / RA - P & S (DTRP) (US/F) 40 240
SAM4 Waveform Gain (WFG4) 0 (----) 1000		Delta-T Shear / TA - P & S (DTTS) (US/F) 40 240		Delta-T Shear / RA - P & S (DTRS) (US/F) 40 240
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4) 0 (----) 10		Min Amplitude Max 		Min Amplitude Max
Peak Coherence / RA - P & S Comp (CHRP) 0 (----) 10		Tr. Array P&S Slow Proj. CVDL (SPT4) (US/F) 40 240		Rec. Array P&S Slow Proj. CVDL (SPR4) (US/F) 40 240
Peak Coherence / TA - P & S Comp (CHTP) 0 (----) 10				
Peak Coherence / RA - P & S Shear (CHRS) -1 (----) 9				
Peak Coherence / TA - P & S Shear (CHTS) -1 (----) 9				
HNGS Spectroscopy Gamma Ray (HSGR) 0 (GAPI) 100				

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
CASF	Label Casing Function - Monopole P&S	50
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	95 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	185 US/F
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DSI4	Digitizer Sample Interval 4	10 US
DSIX	Digitizer Sample Interval X	40 US
DTF	Delta-T Fluid	193 US/F
DWC4	Digitizer Word Count 4	512
DWCX	Digitizer Word Count X	512
FILG	Label Fill Gap Control - Monopole P&S	COMP_SHEAR
GCSE	Generalized Caliper Selection	BS
LFC	Label Formation Character - Monopole P&S	DYNAMIC
MCS	Mean Casing Slowness	57 US/F
MTXG	Monopole Transmitter Geometry	186 IN
NWI4	Number Waveform Items 4	8
NWIX	Number Waveform Items X	0
RSMN	Label Shear/Compressional Minimum Ratio - Monopole P&S	1.4
RSMX	Label Shear/Compressional Maximum Ratio - Monopole P&S	2.12
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM4	DSST Sonic Acquisition Mode 4 - Monopole Mode for P&S	EVEN
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF
SAS4	STC Sonic Array Status - Monopole P&S	255
SBO4	STC Search Band Offset - Monopole P&S	500 US
SBR4	STC Baseline Removal - Monopole P&S	ON

SBW4	STC Search Bandwidth – Monopole P&S	2000	US
SFC4	STC Formation Character – Monopole P&S	SELECTABLE	
SFM4	STC Filter – Monopole P&S	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	235	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	240	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST4	STC Time Step – Monopole P&S	50	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
WFM4	Waveform Mode 4	W1	
HRLT–B: High Resolution Laterolog Array – B			
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	10.75	IN
CSD2	Outer Casing Outer Diameter	10.75	IN
CSW1	Inner Casing Weight	45	LB/F
CSW2	Outer Casing Weight	45	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	-0.00184813	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.990521	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.00375	
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	1.32	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_RC_TR_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06–Apr–2017 20:17

OP System Version: 19C0–187

DSST–B	19C0–187	HRLT–B	19C0–187
HLDS	19C0–187	LDSC–B	19C0–187
HNGC–B	19C0–187	HNGS–BA	19C0–187
EDTC–B	SKK–5169–EDTCB		

Input DLIS Files

DEFAULT	Flip_DSI_HRLA_LDL_029LUP	PRODUCER	06–Apr–2017 18:02	4944.5 M	3717.0 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_036PUP	FN:47	PRODUCER	06–Apr–2017 20:17
BACKUP	DSI_HRLA_LDL_NGS_036PUP	FN:48	PRODUCER	06–Apr–2017 20:17

Input DLIS Files

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Output DLIS Files

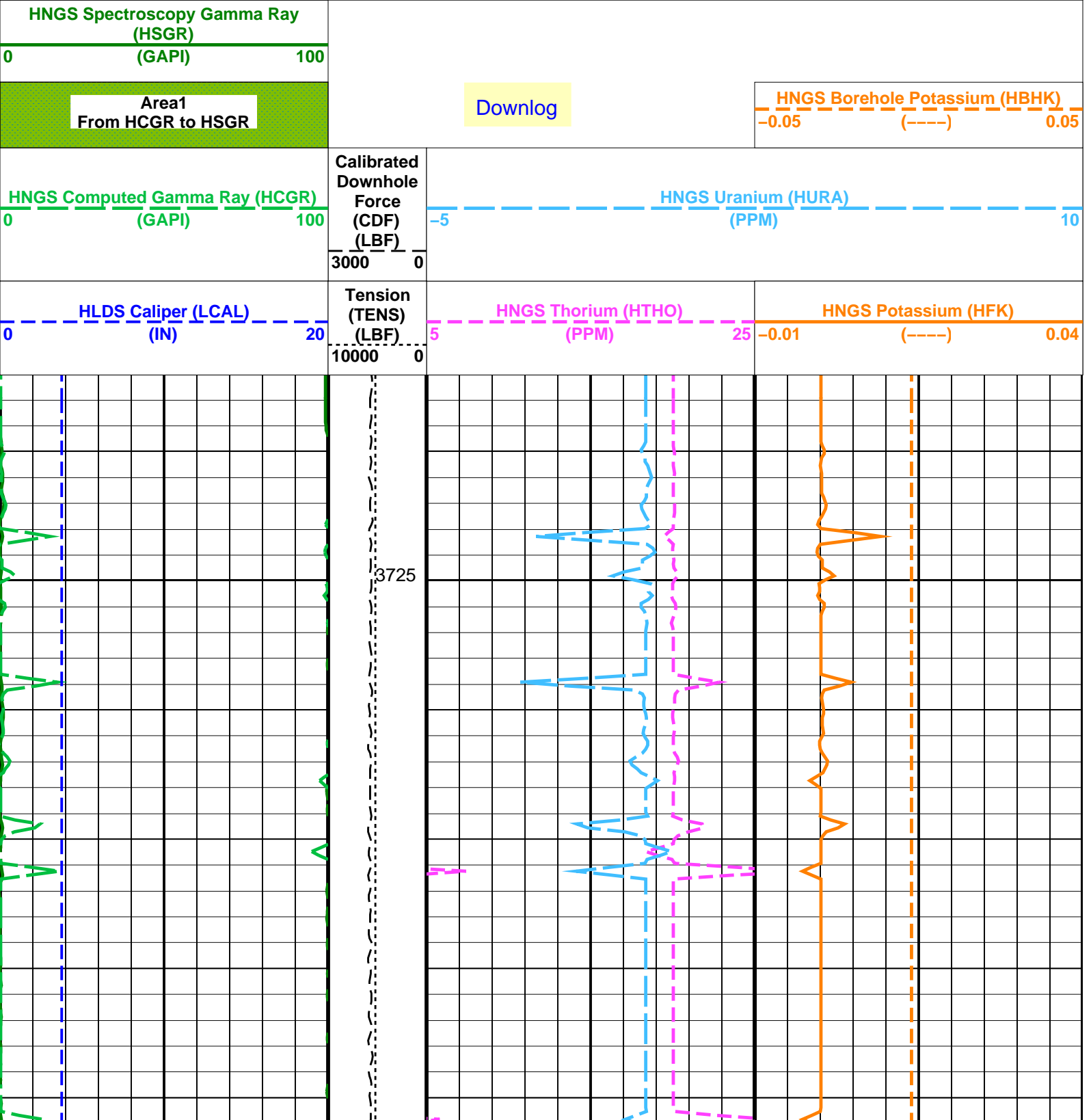
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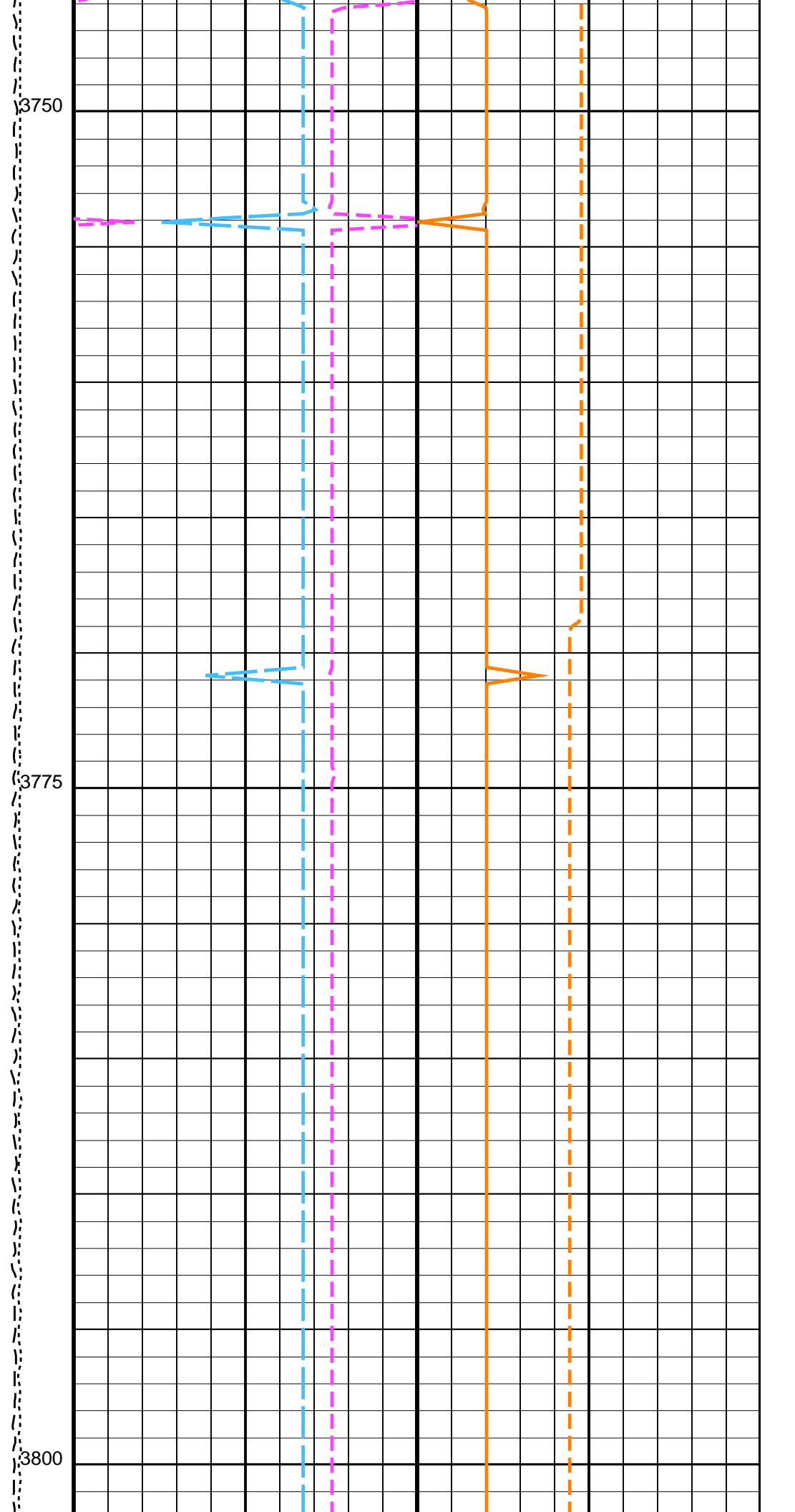
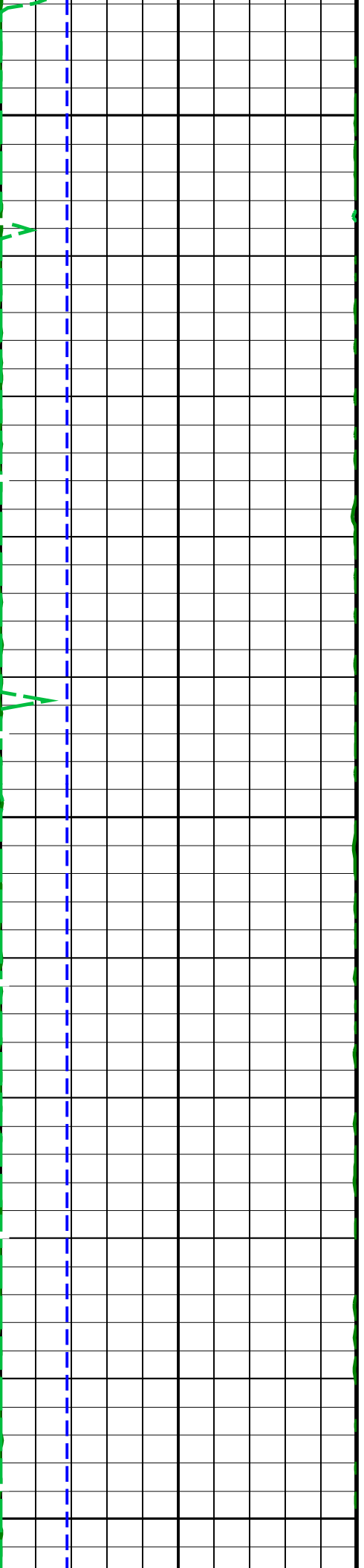
OP System Version: 19C0-187

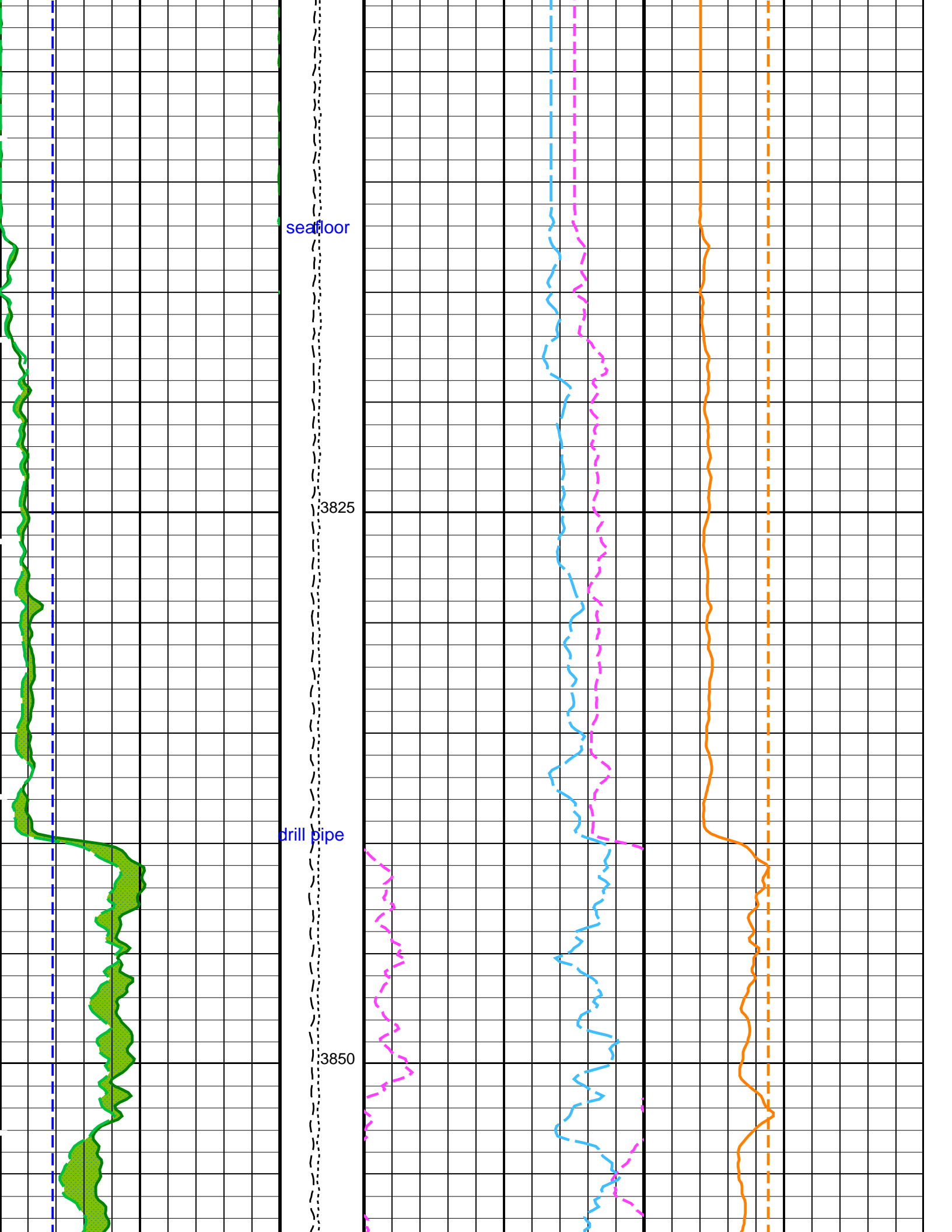
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HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

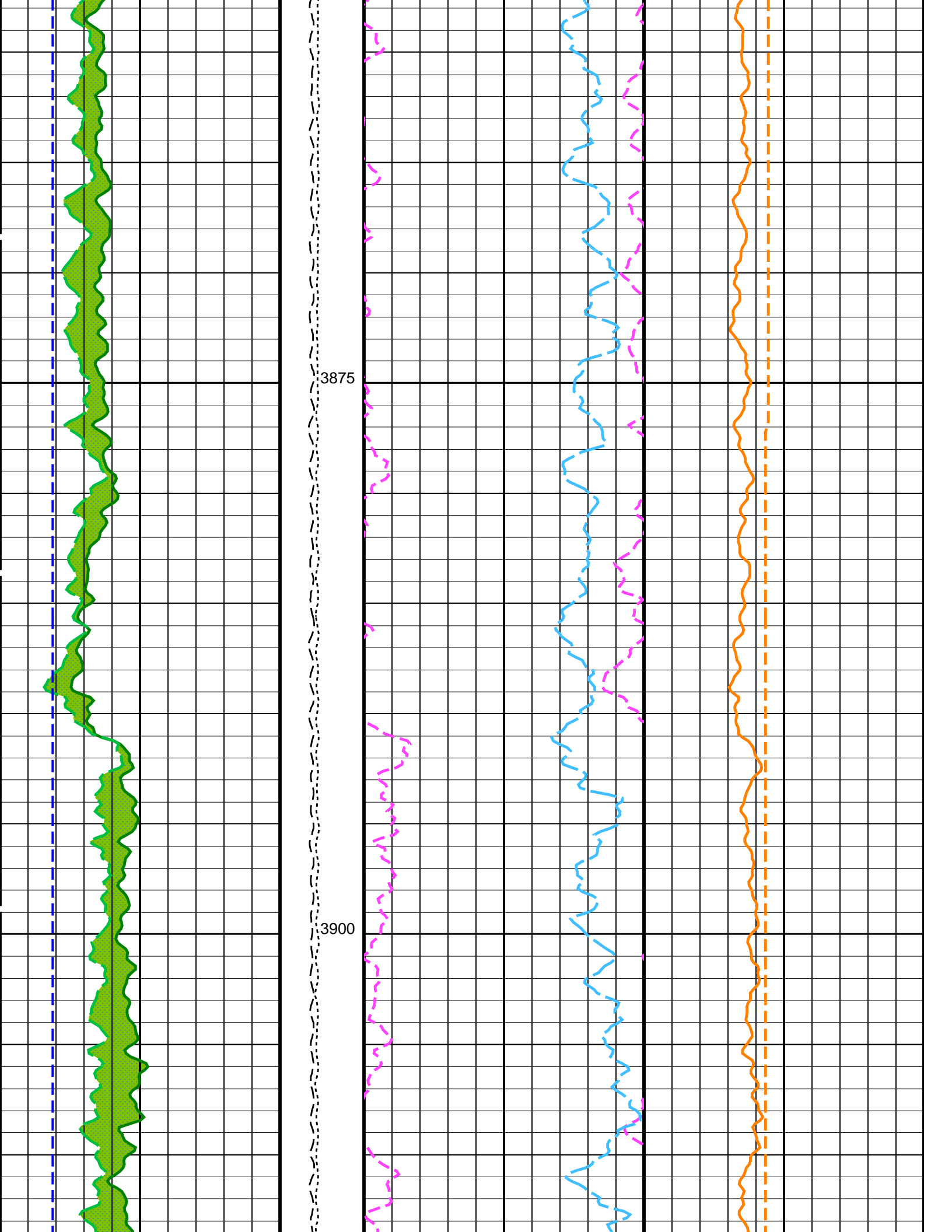
PIP SUMMARY

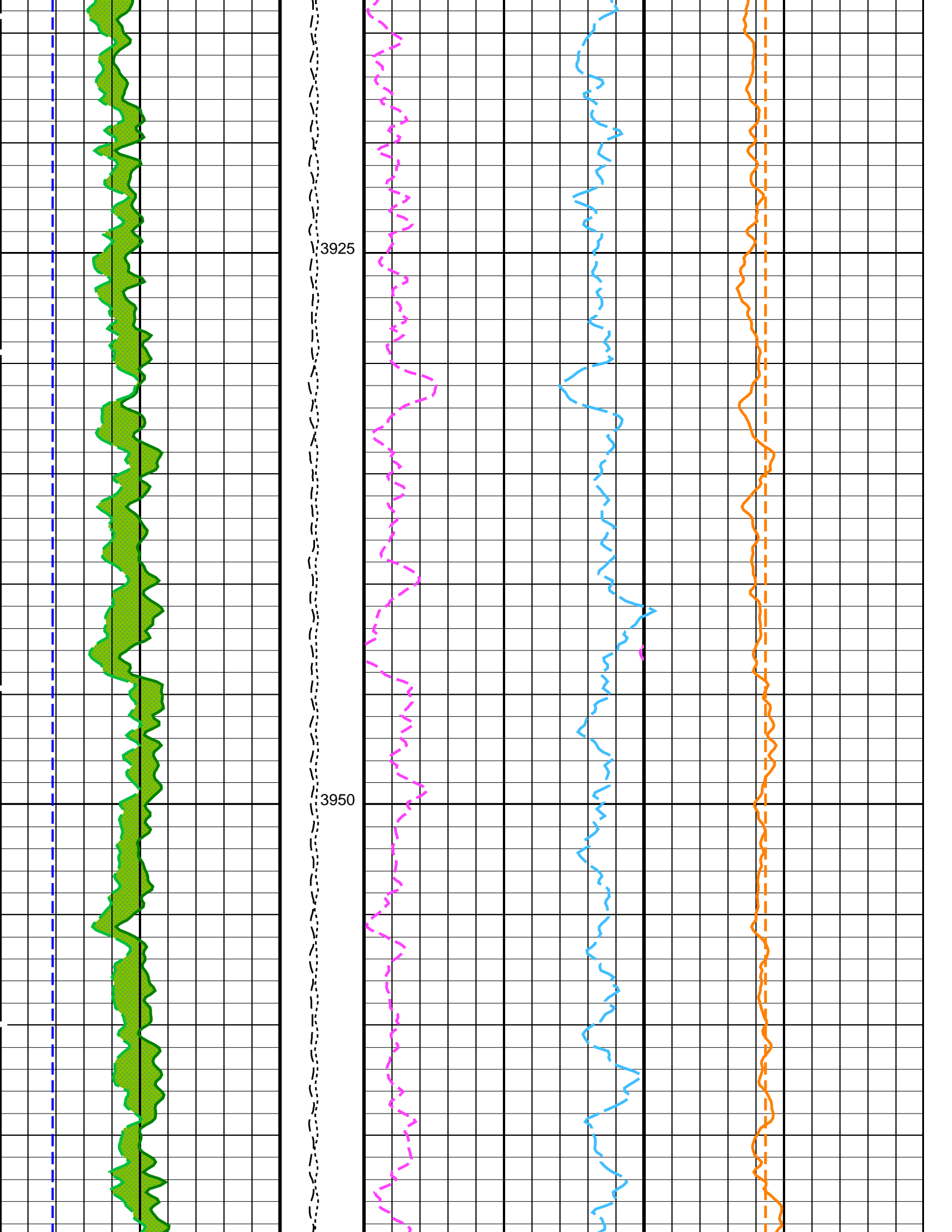
Time Mark Every 60 S

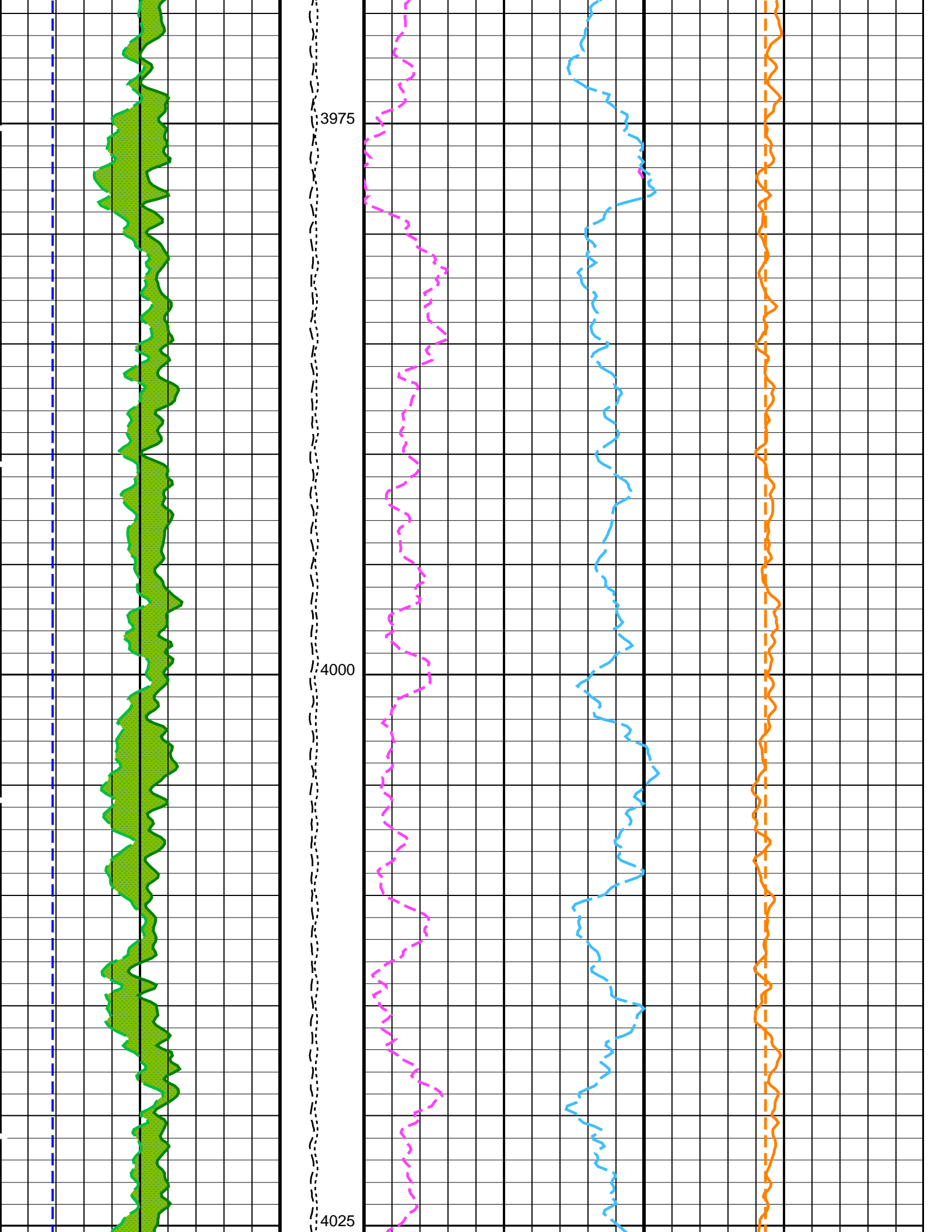


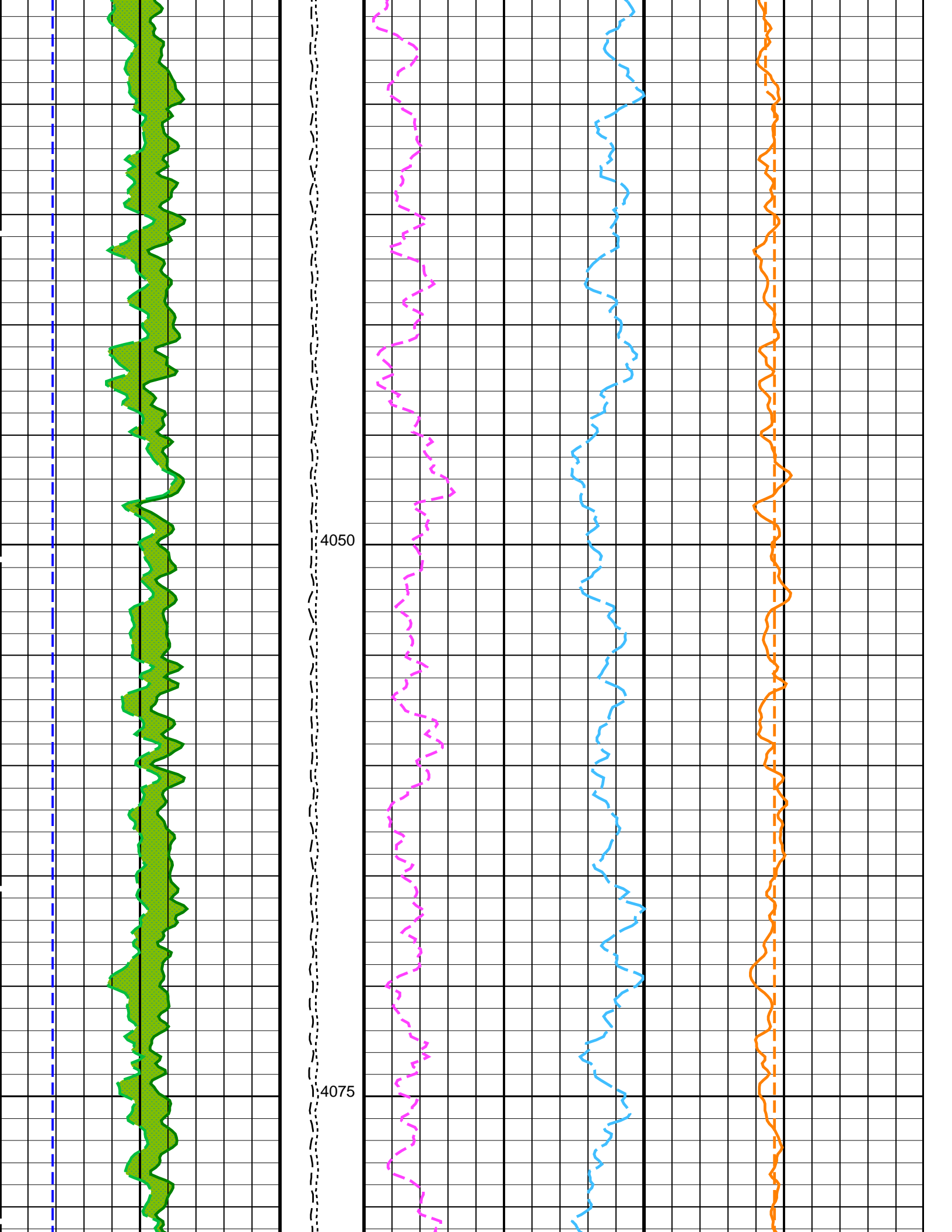


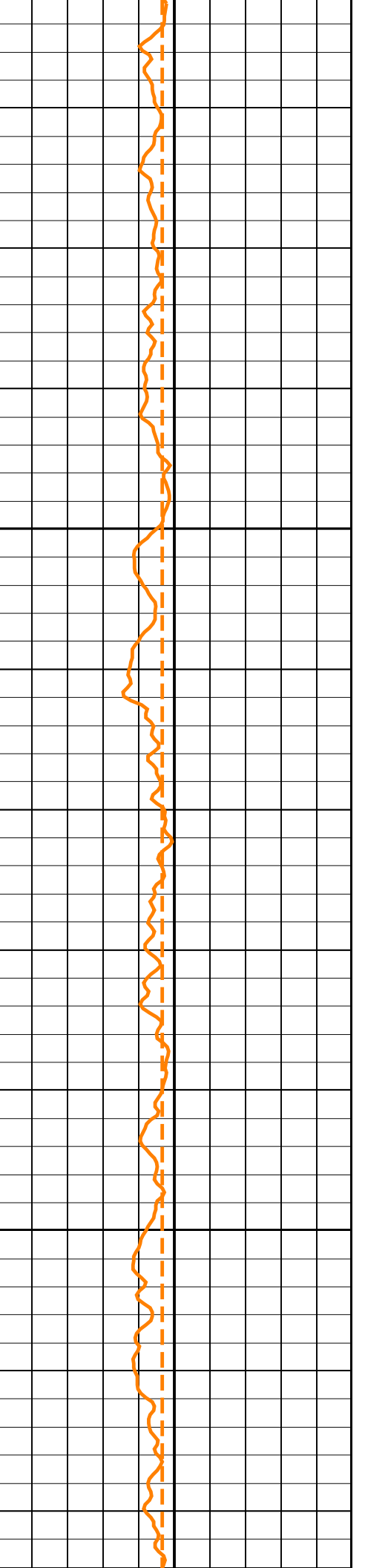
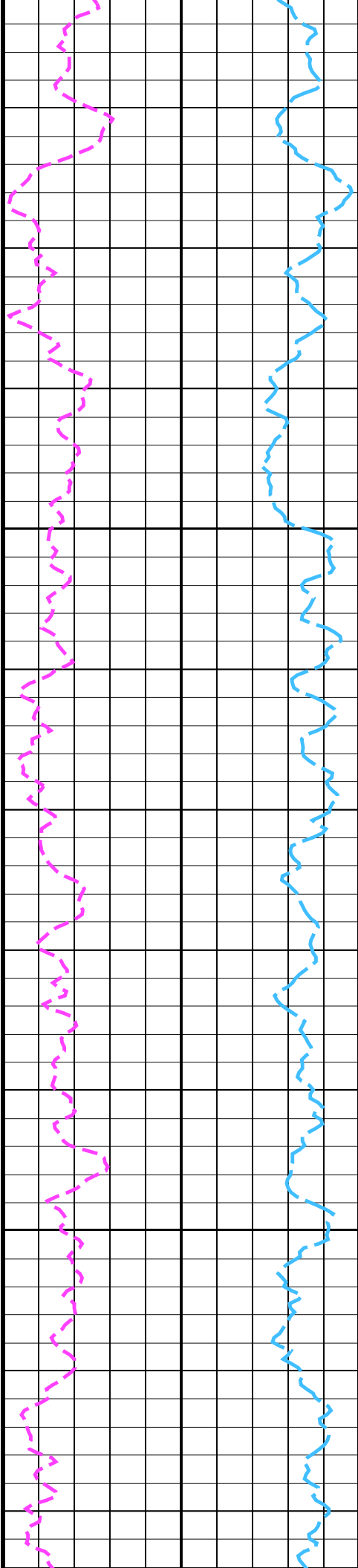
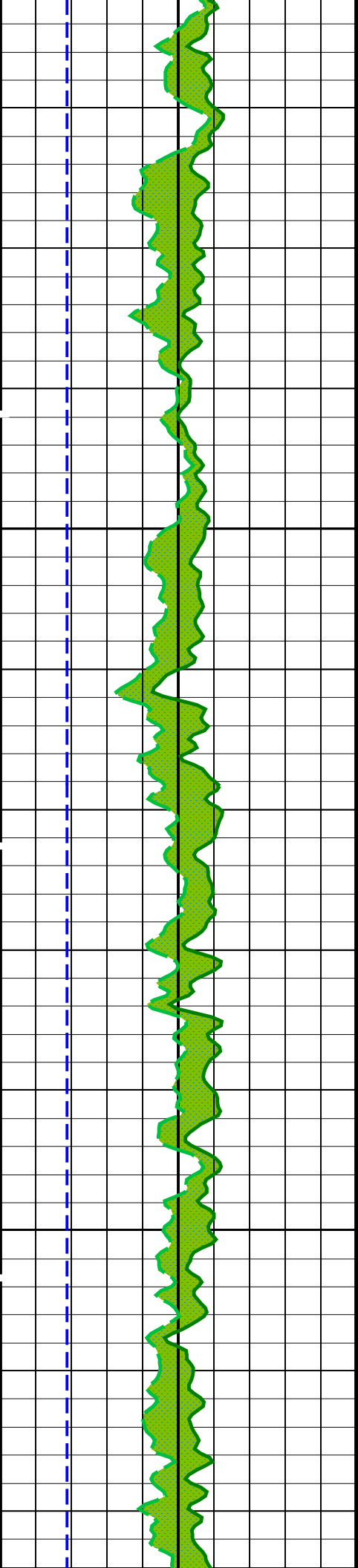


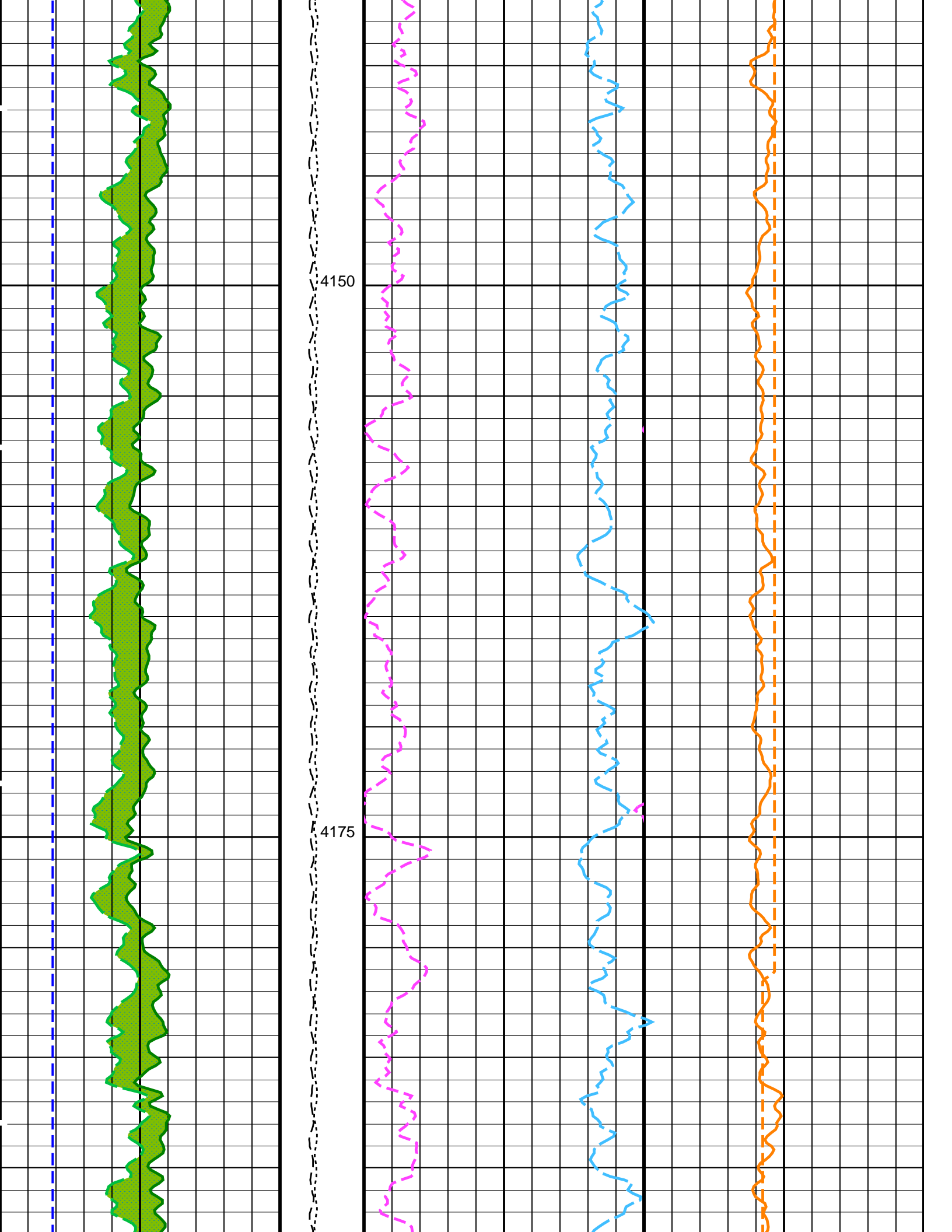


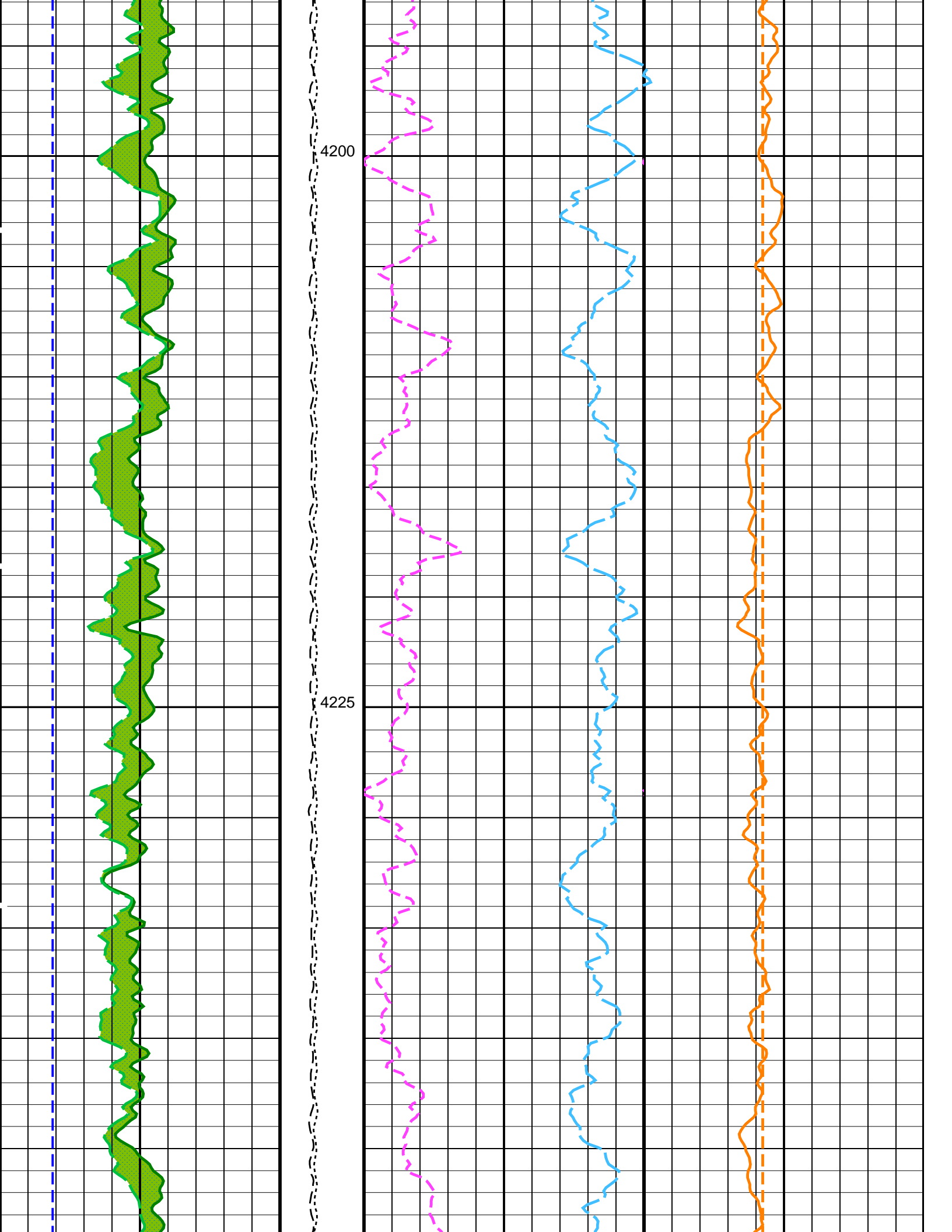


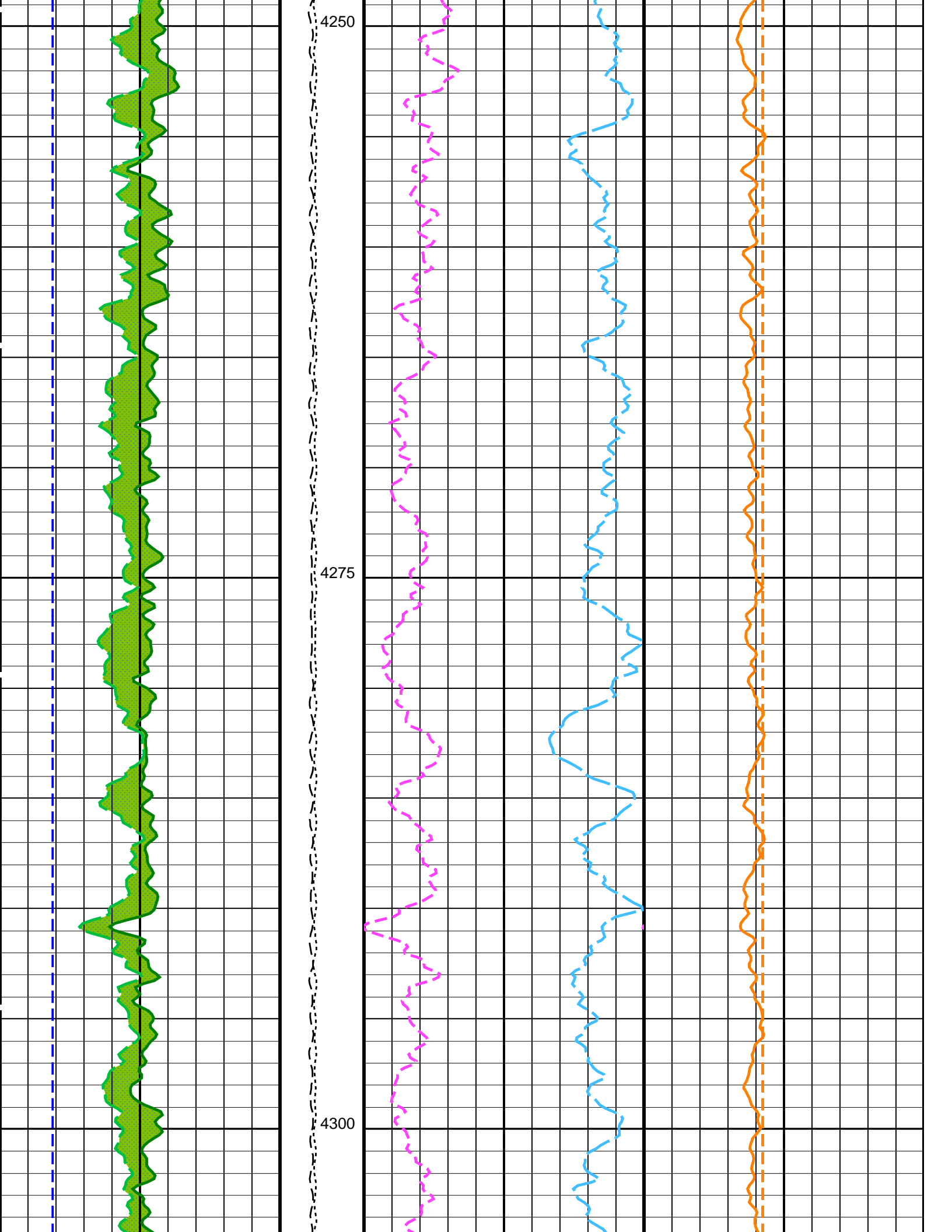


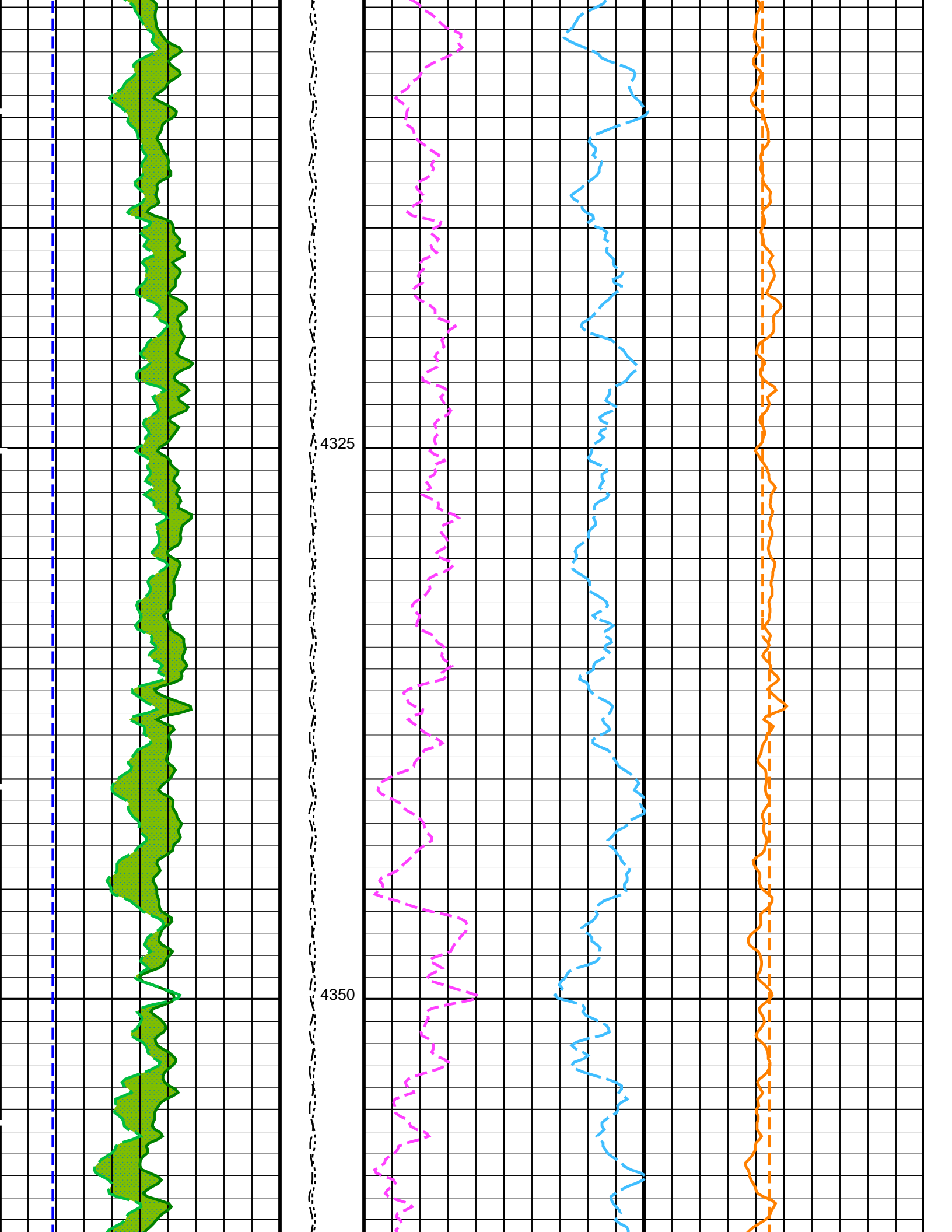


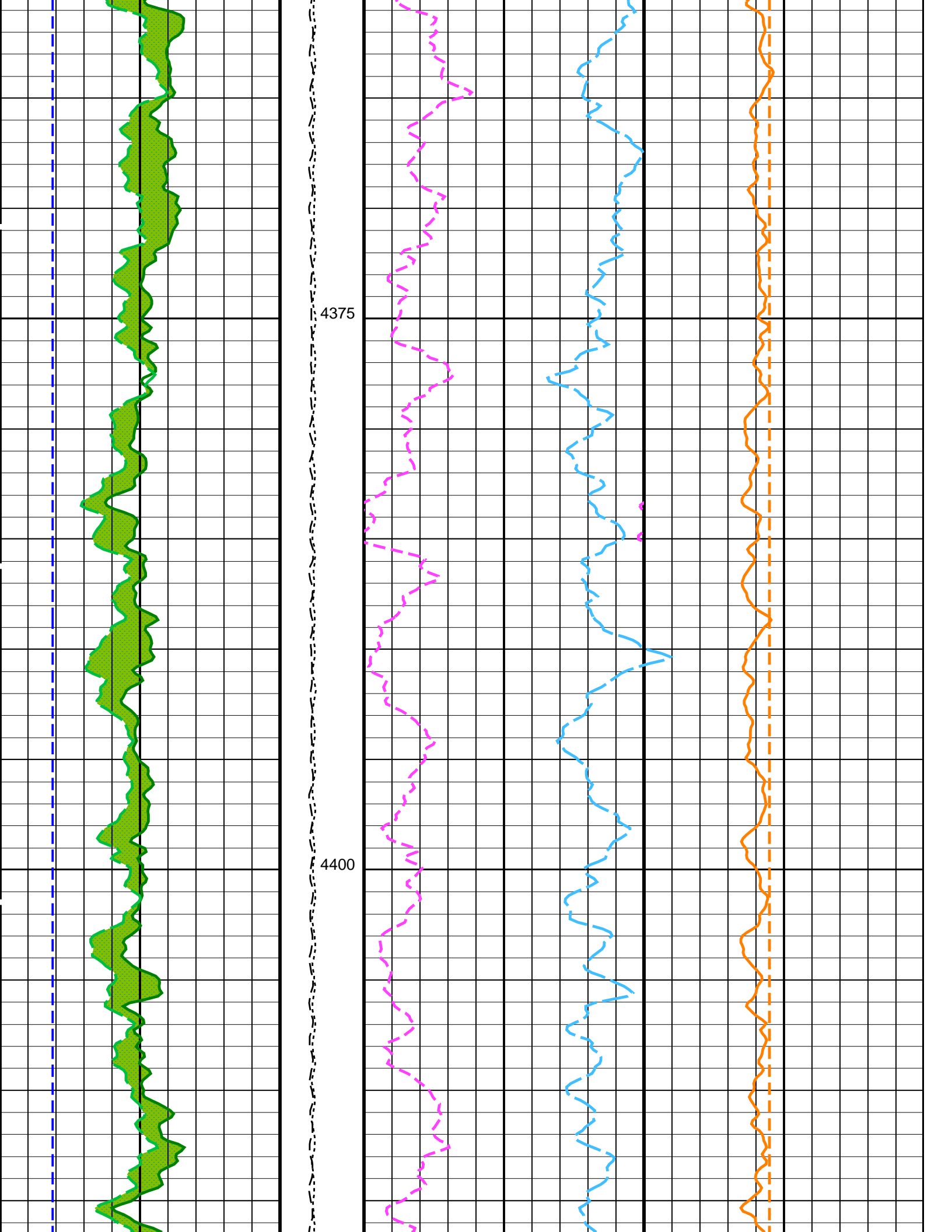


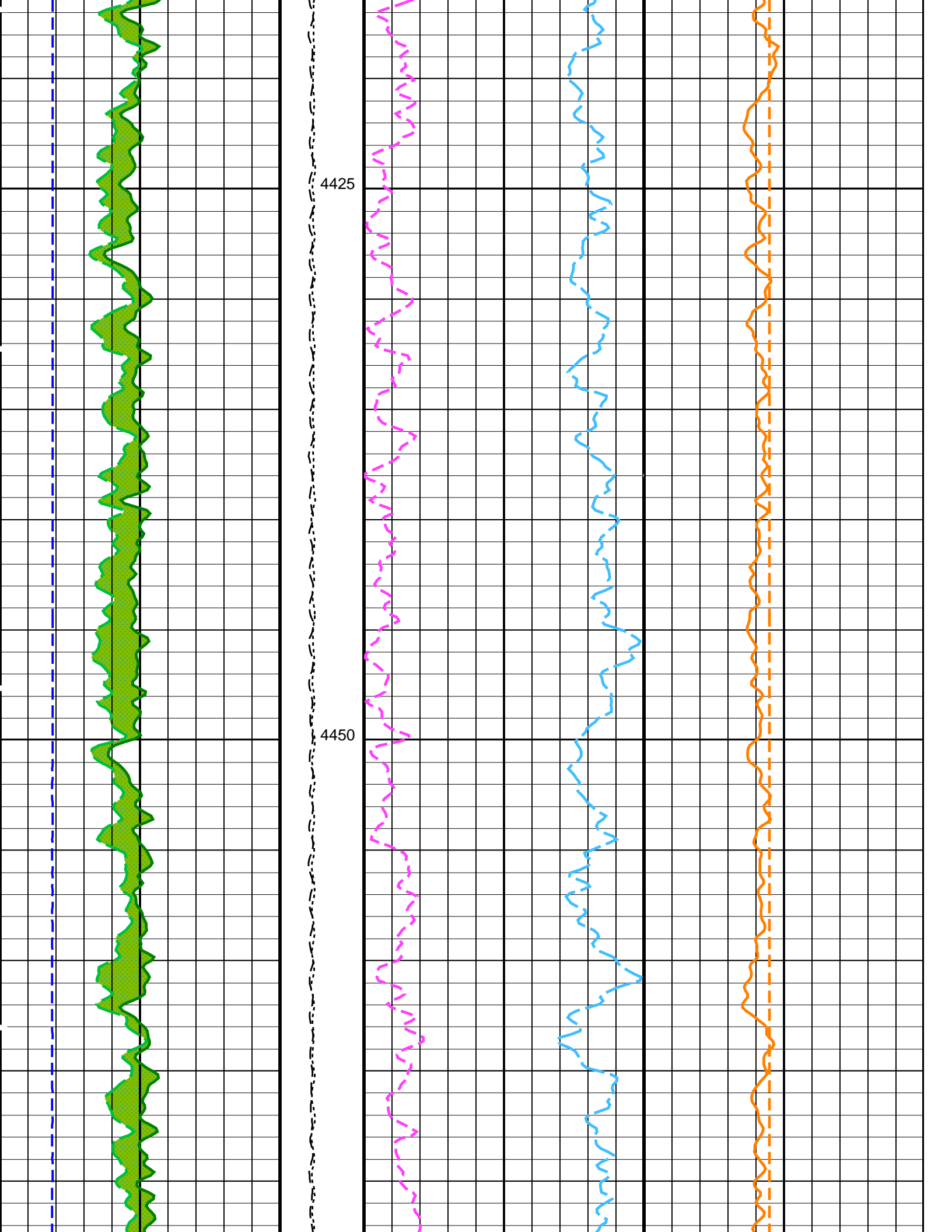


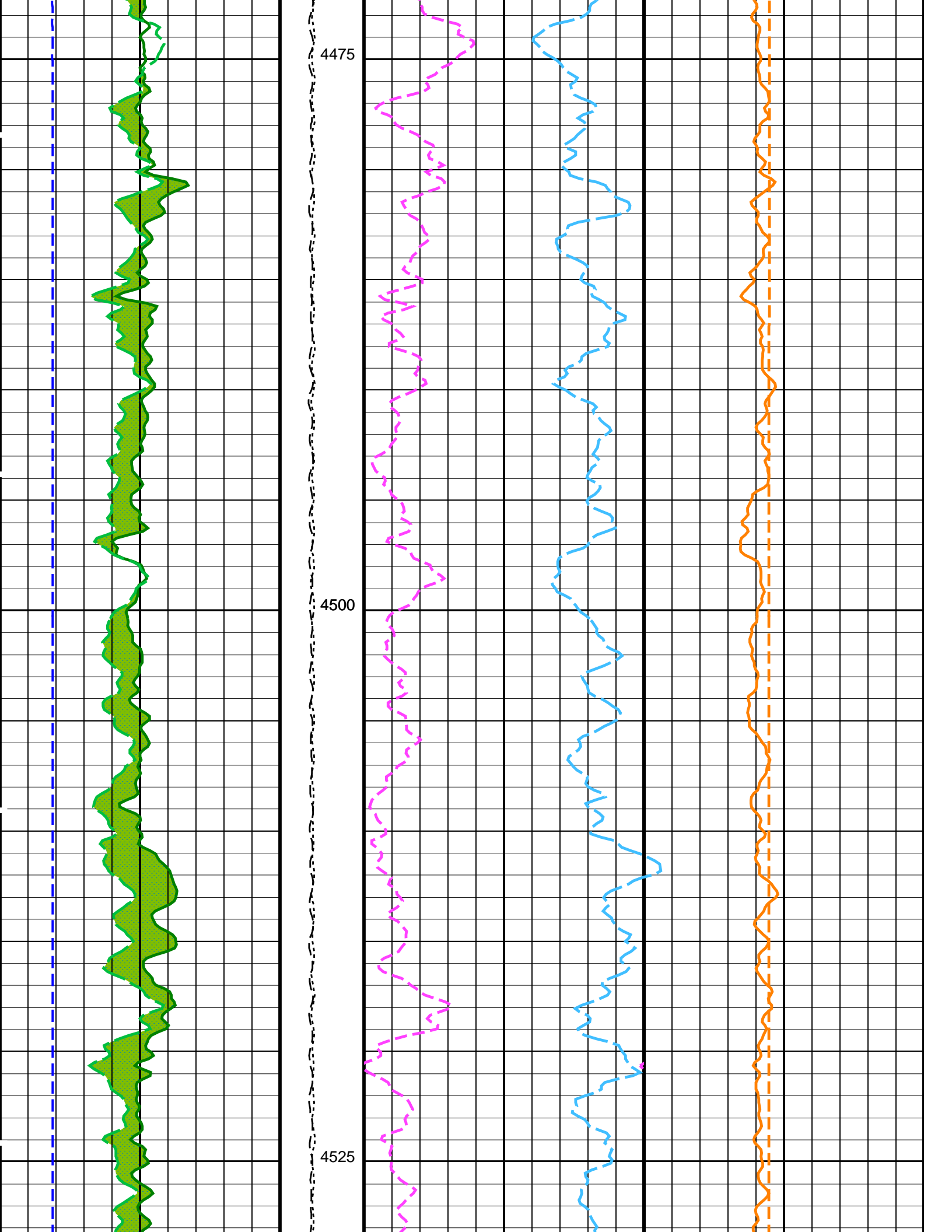


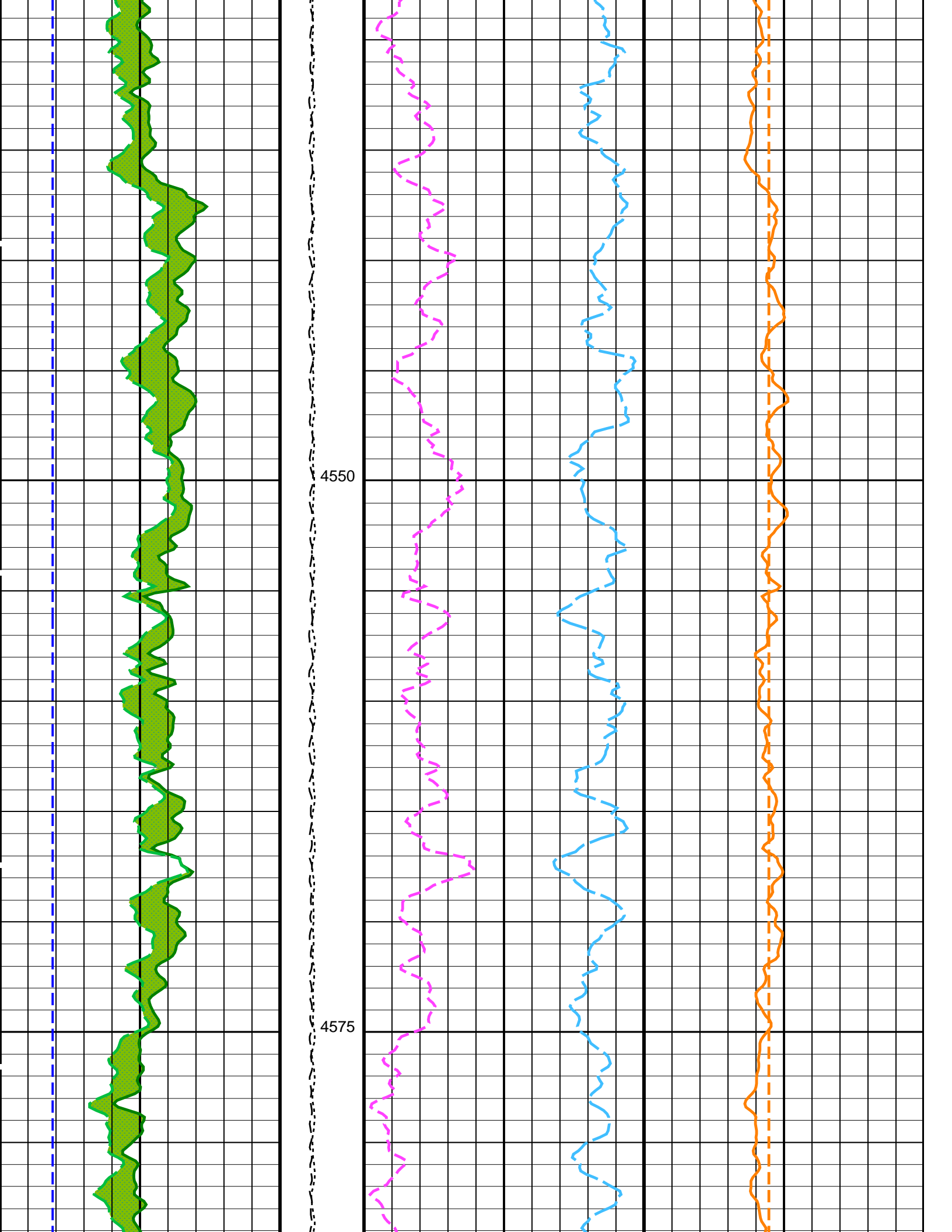


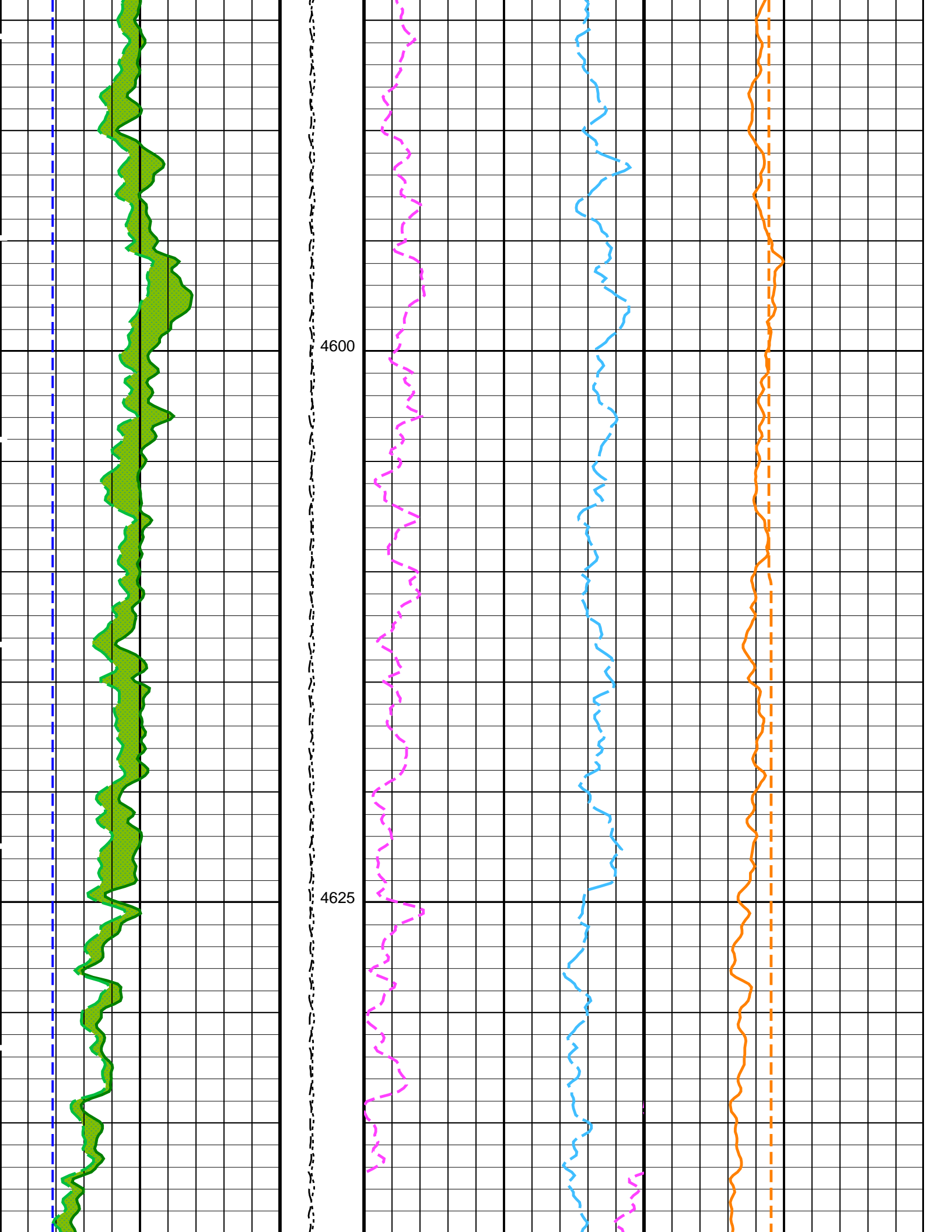


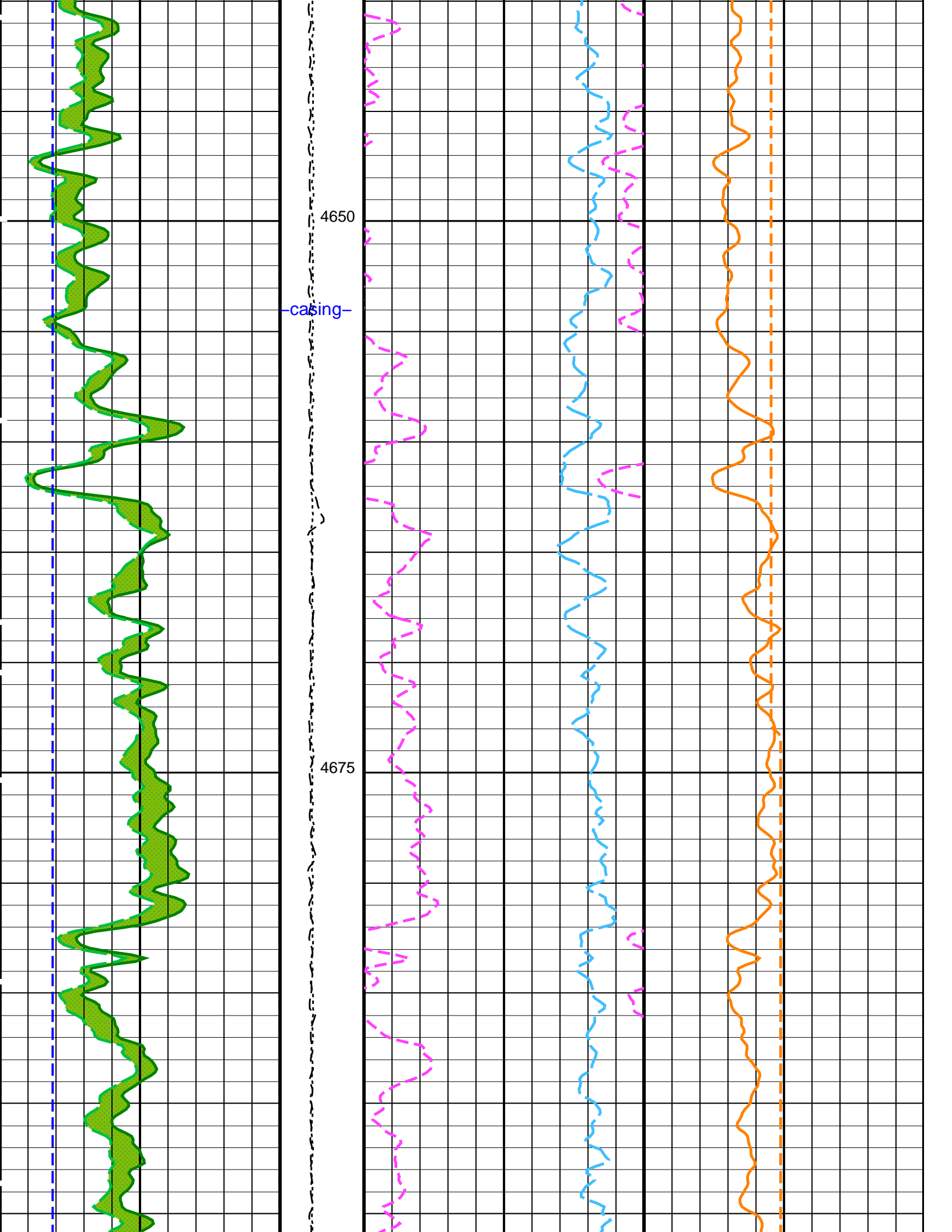


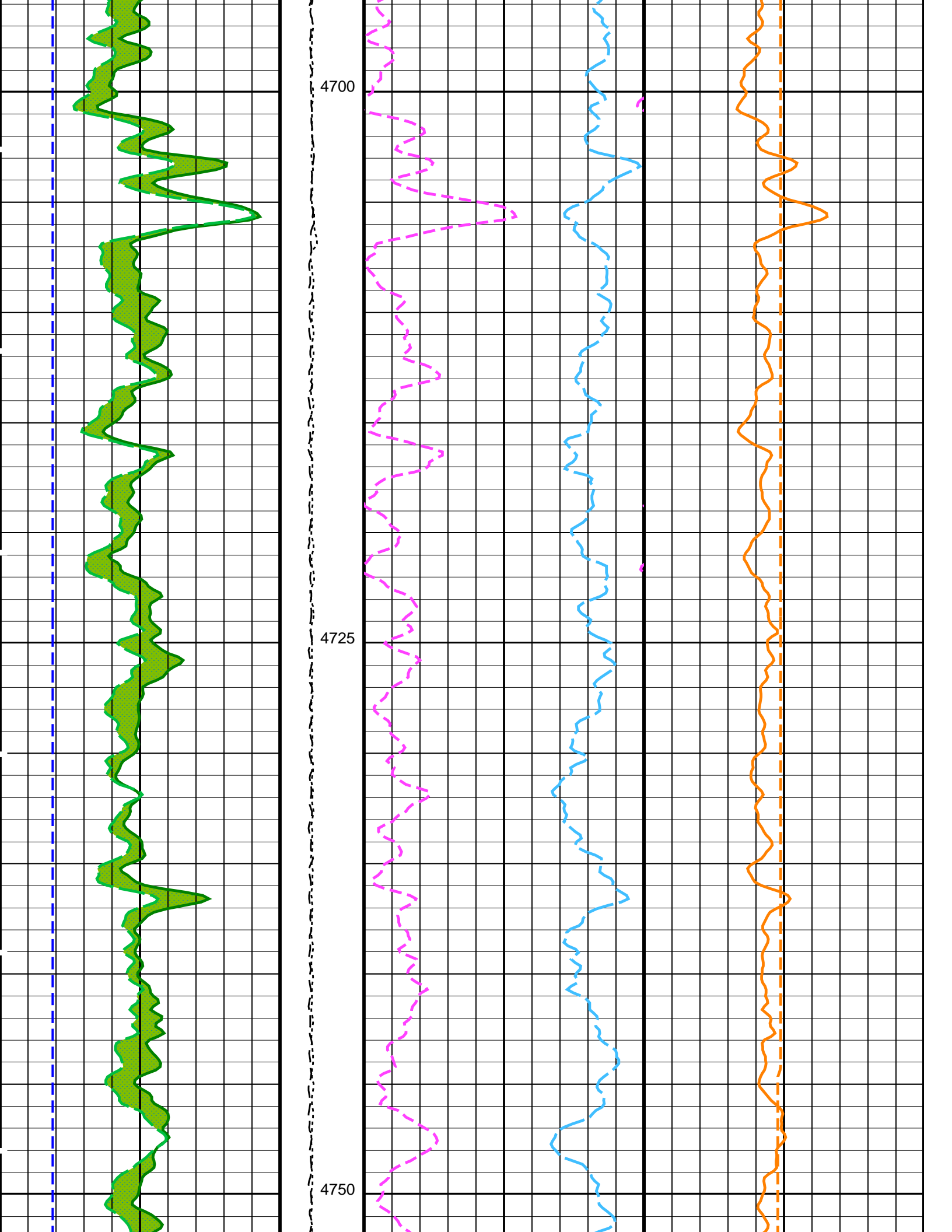


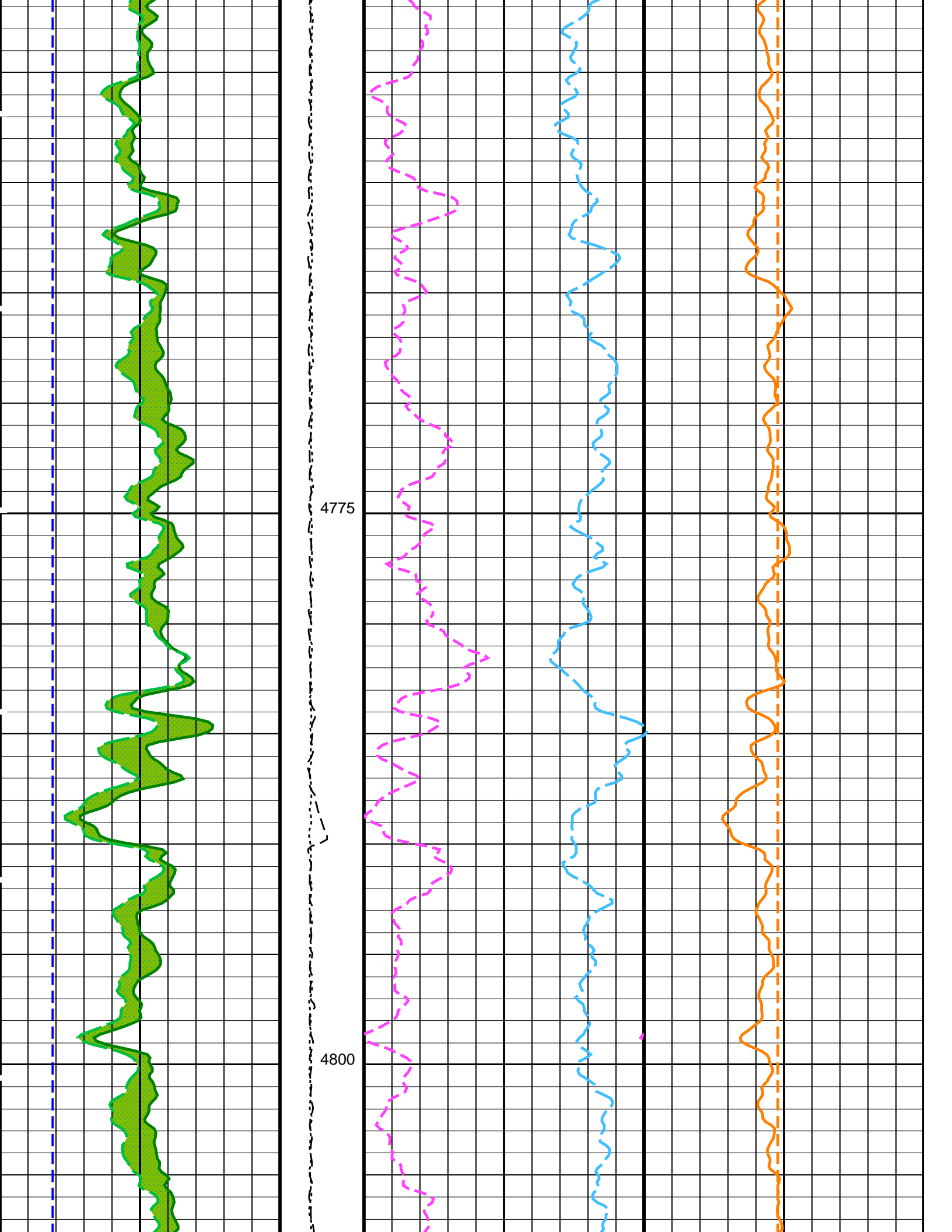


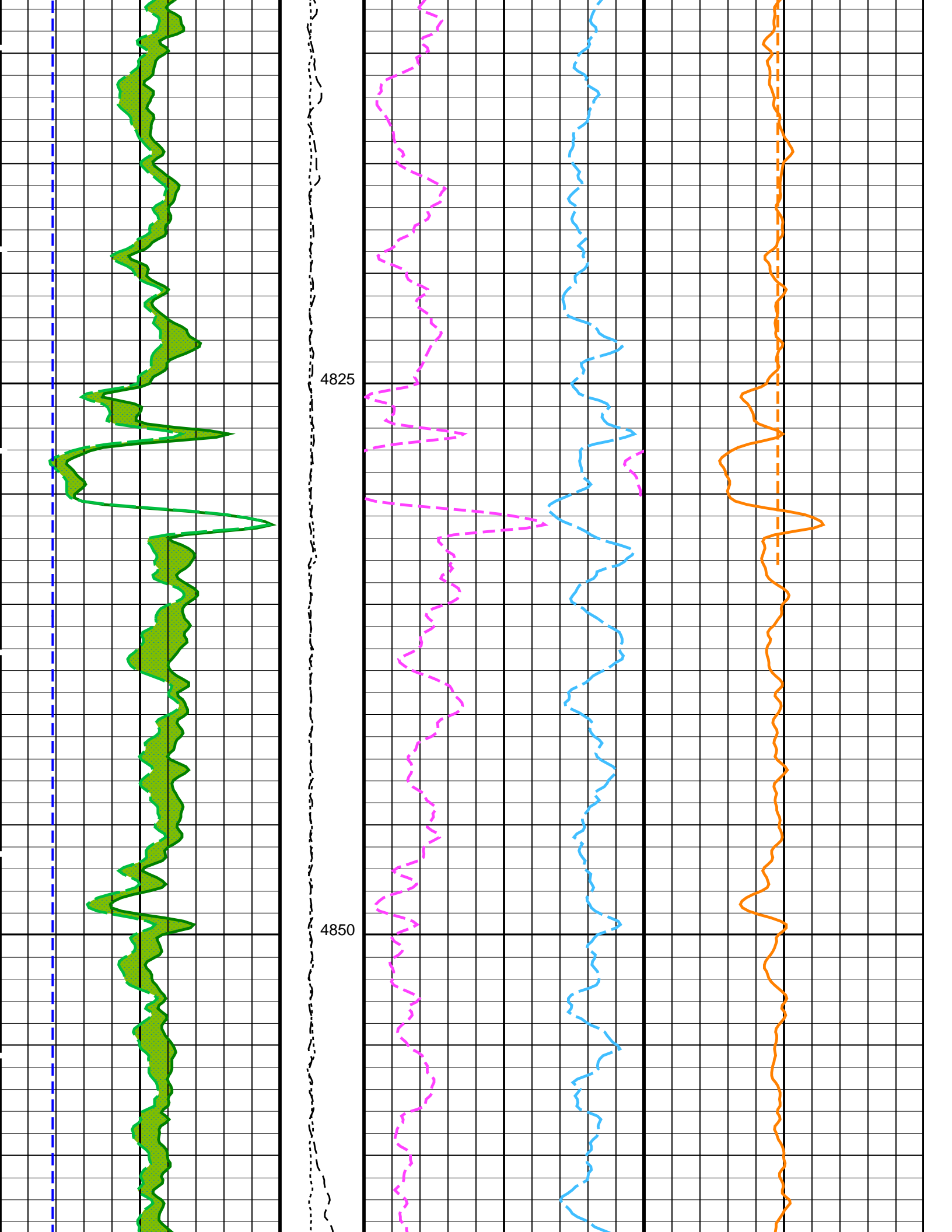


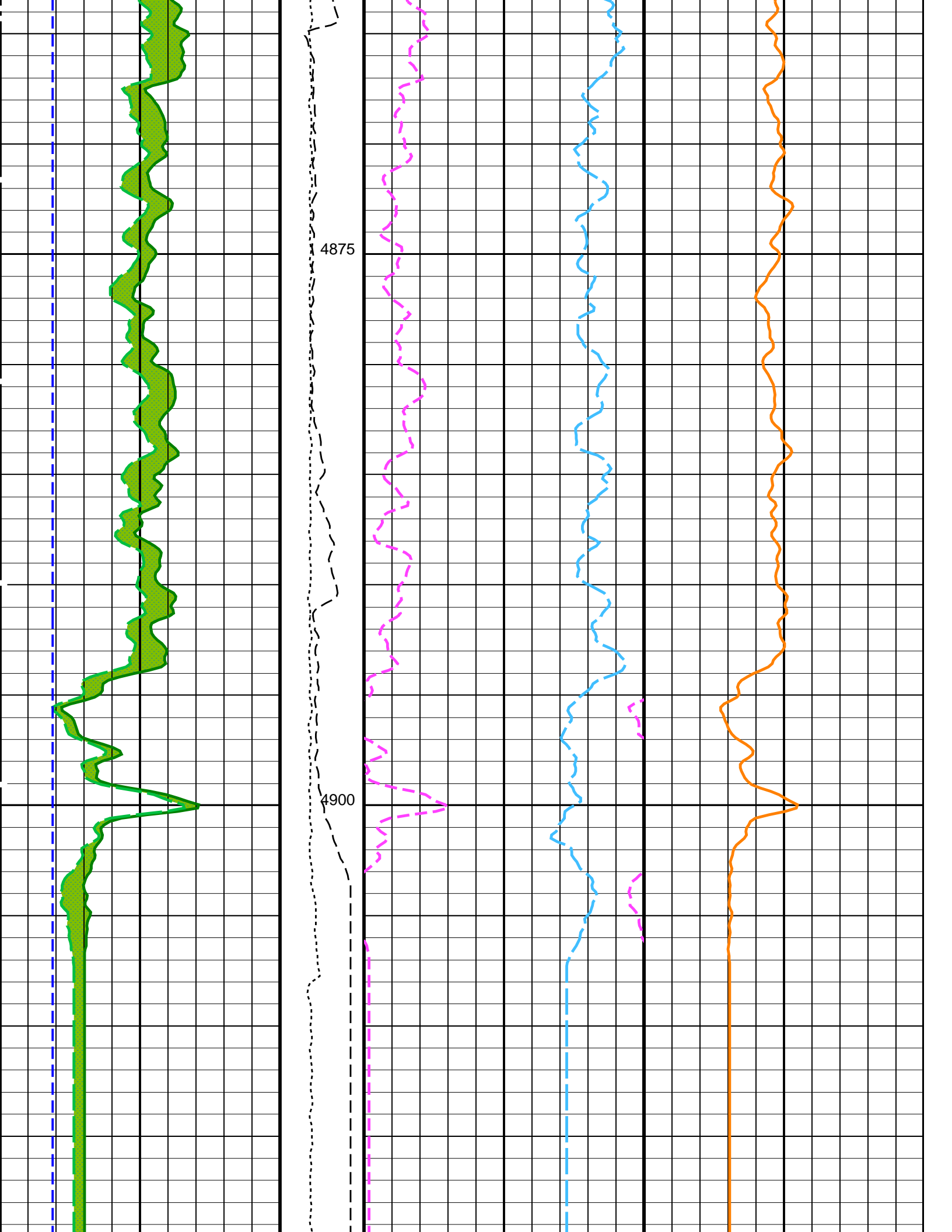


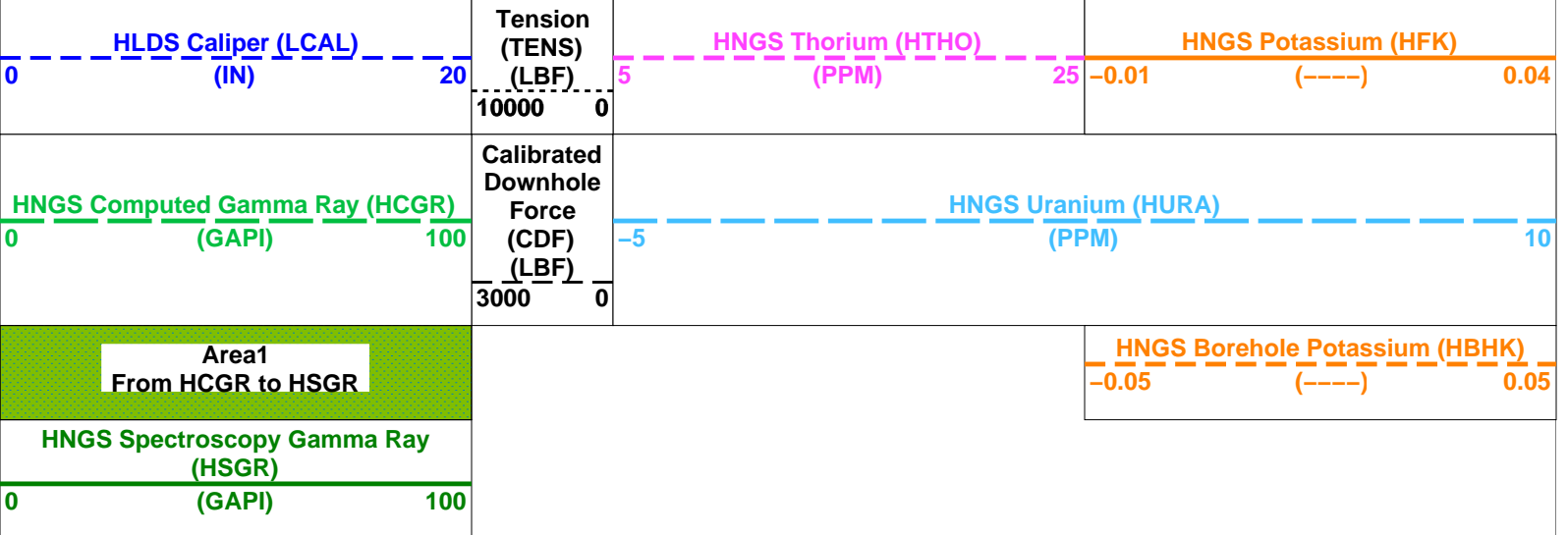
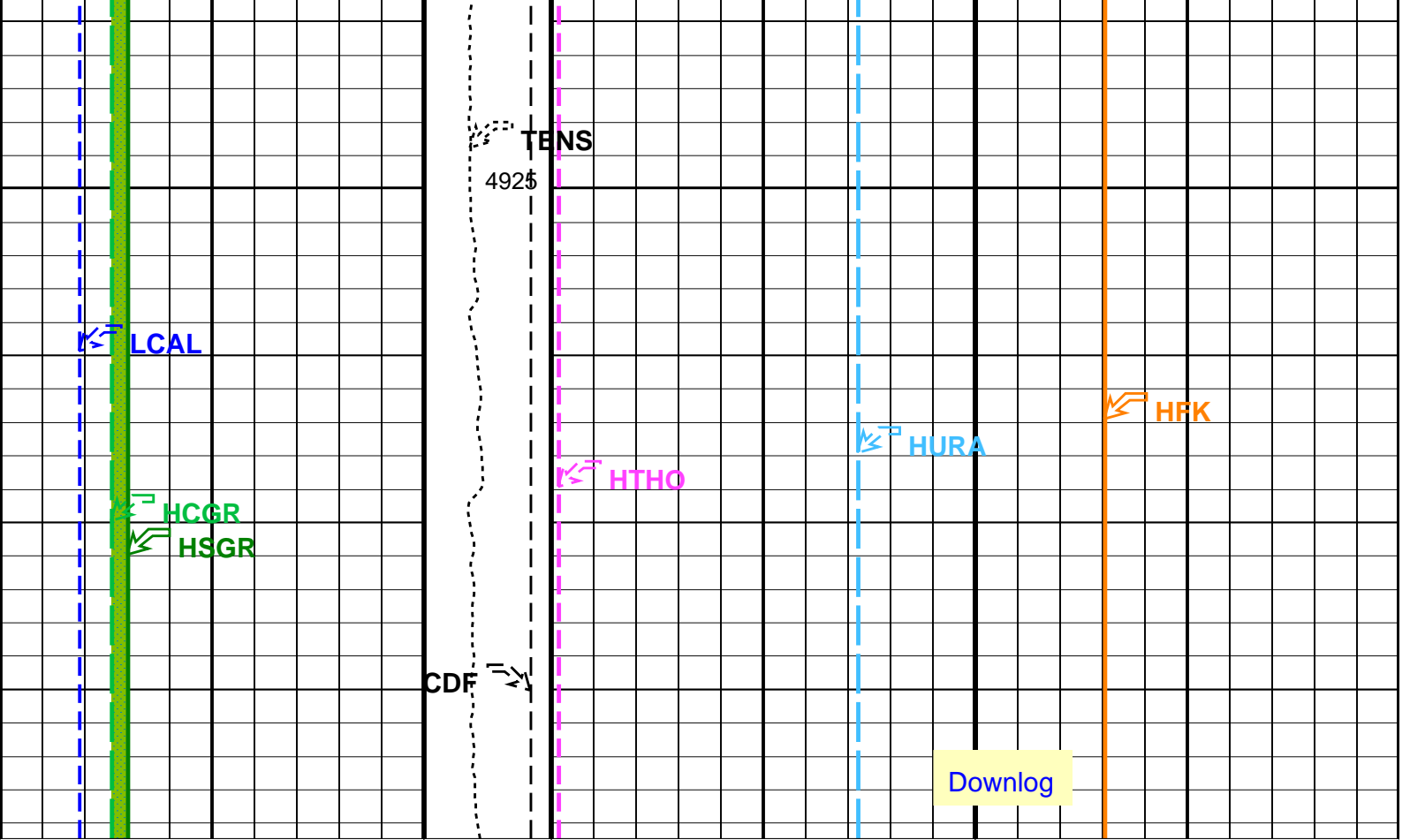












PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
HRLT-B: High Resolution Laterolog Array - B		
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	10.75 IN
CSD2	Outer Casing Outer Diameter	10.75 IN
CSW1	Inner Casing Weight	45 LB/F
CSW2	Outer Casing Weight	45 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	-0.00184813		
HALF	HNGS Alpha Filter Length	60	IN	
HCRB	HNGS Apply Borehole Potassium Correction		NONE	
HMWM	Mud Weighting Material		BARI	
HNPE	HNGS Processing Enable		YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	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		ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.990521		
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.00375		
	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	1.32	G/C3	
DO	Depth Offset for Playback	0.0	M	
PP	Playback Processing		RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 06-Apr-2017 20:17

OP System Version: 19C0-187

DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	Flip_DSI_HRLA_LDL_029LUP	PRODUCER	06-Apr-2017 18:02	4944.5 M	3717.0 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_036PUP	FN:47	PRODUCER	06-Apr-2017 20:17	
BACKUP	DSI_HRLA_LDL_NGS_036PUP	FN:48	PRODUCER	06-Apr-2017 20:17	

Company: International Ocean Discovery Program Well: Expedition 367, Site U1500B

Input DLIS Files

DEFAULT	Flip_DSI_HRLA_LDL_029LUP	PRODUCER	06-Apr-2017 18:02	4944.5 M	3717.0 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_036PUP	FN:47	PRODUCER	06-Apr-2017 20:17	4944.5 M	3717.0 M
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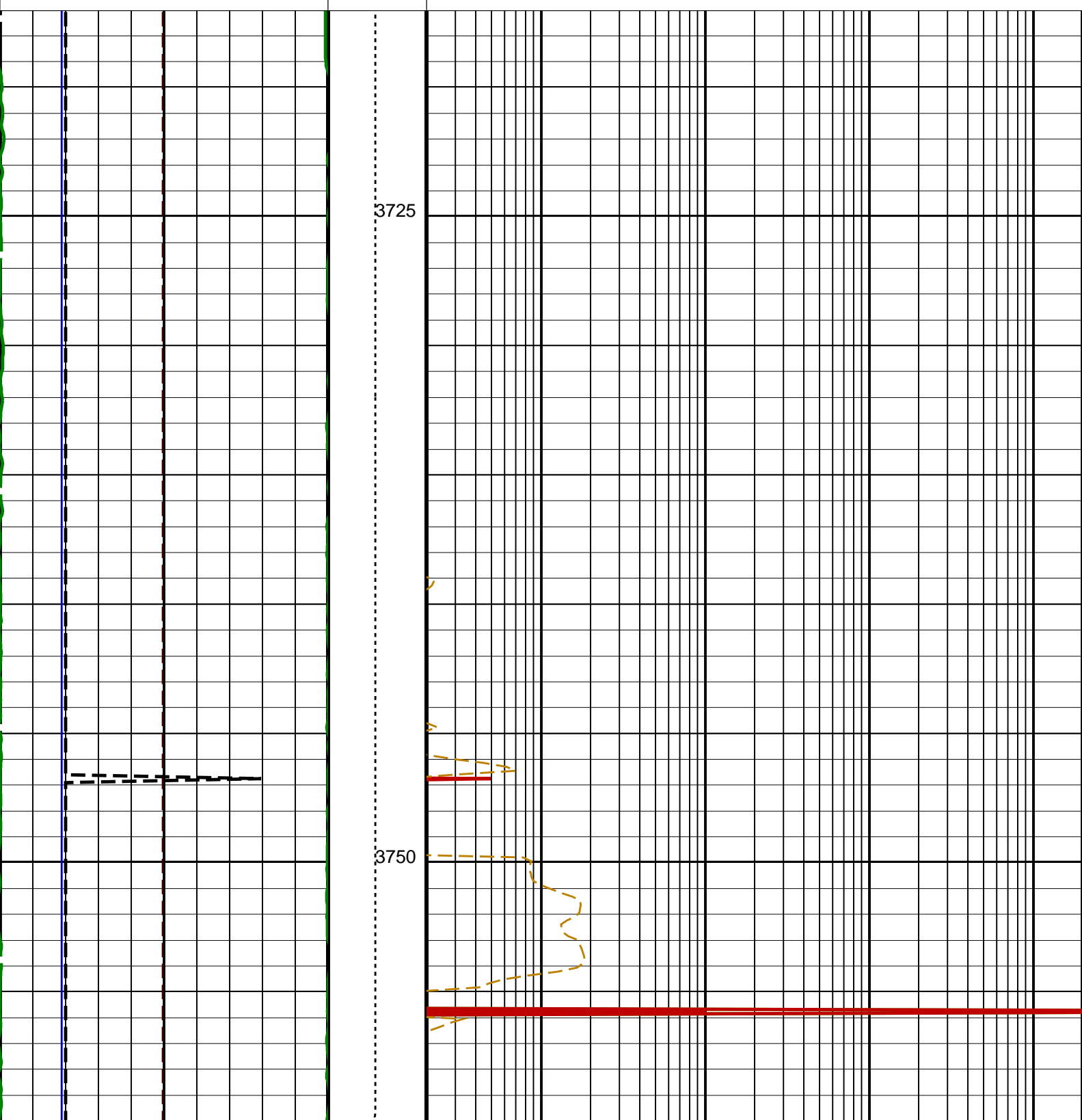
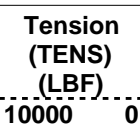
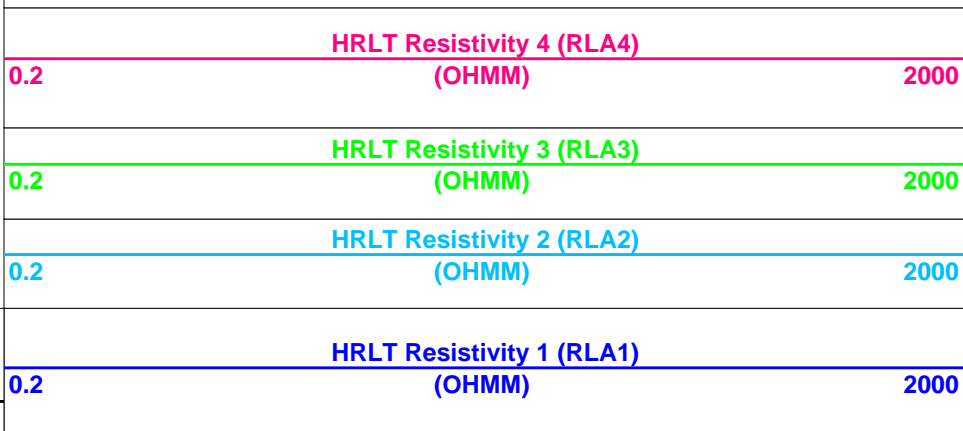
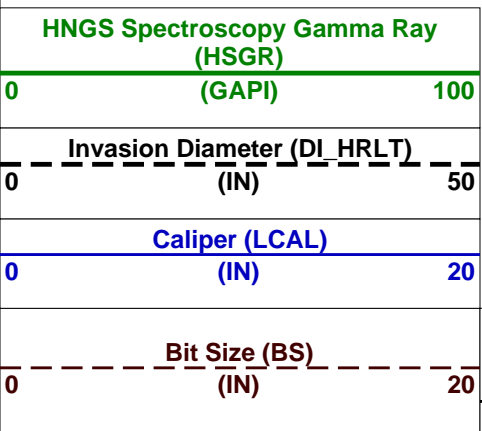
OP System Version: 19C0-187

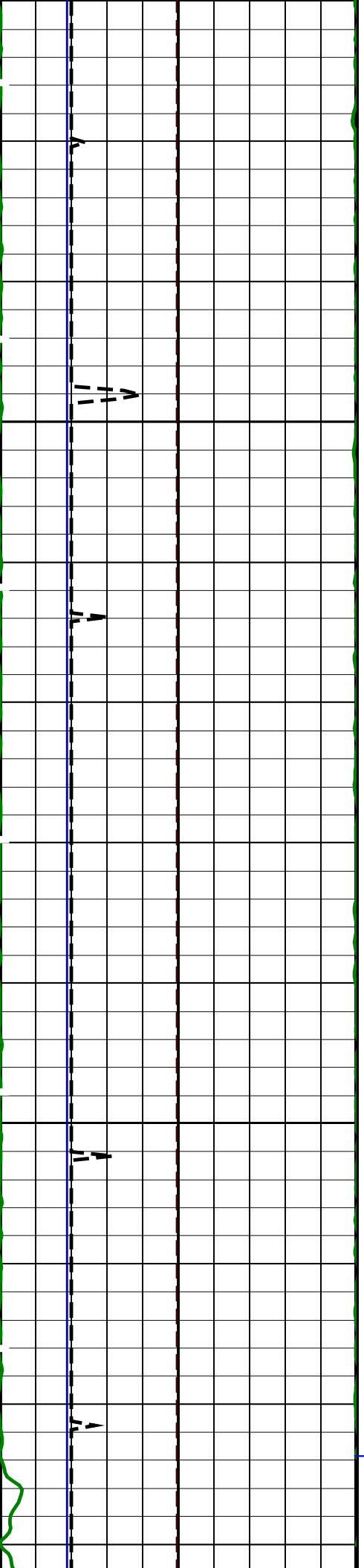
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HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

Time Mark Every 60 S

HRLT True Resistivity (RT_HRLT)		
0.2	(OHMM)	2000
Invaded Zone Resistivity (RXO_HRLT)		
0.2	(OHMM)	2000
HRLT Mud Resistivity (RM_HRLT)		
0.02	(OHMM)	200
HRLT Resistivity 5 (RLA5)		

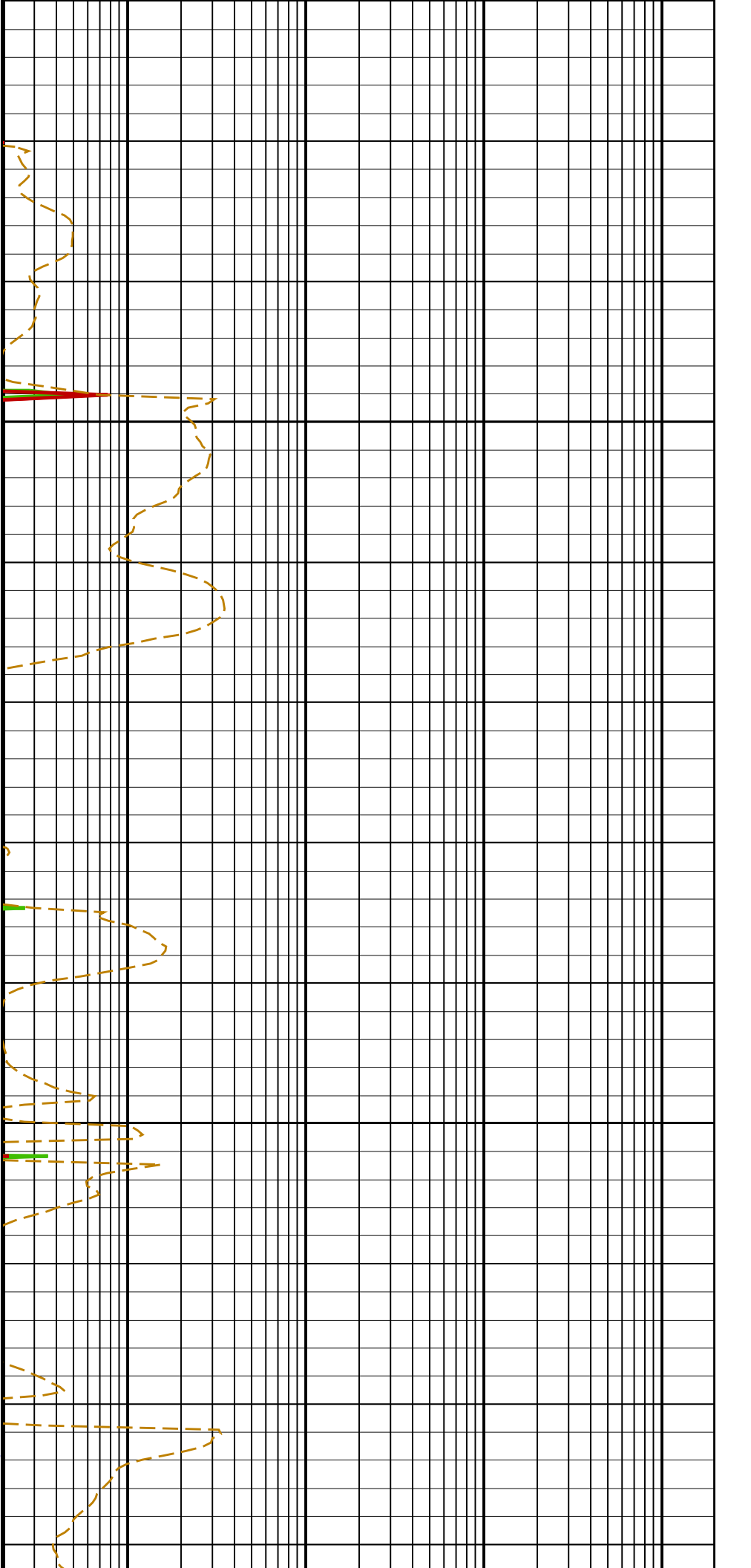


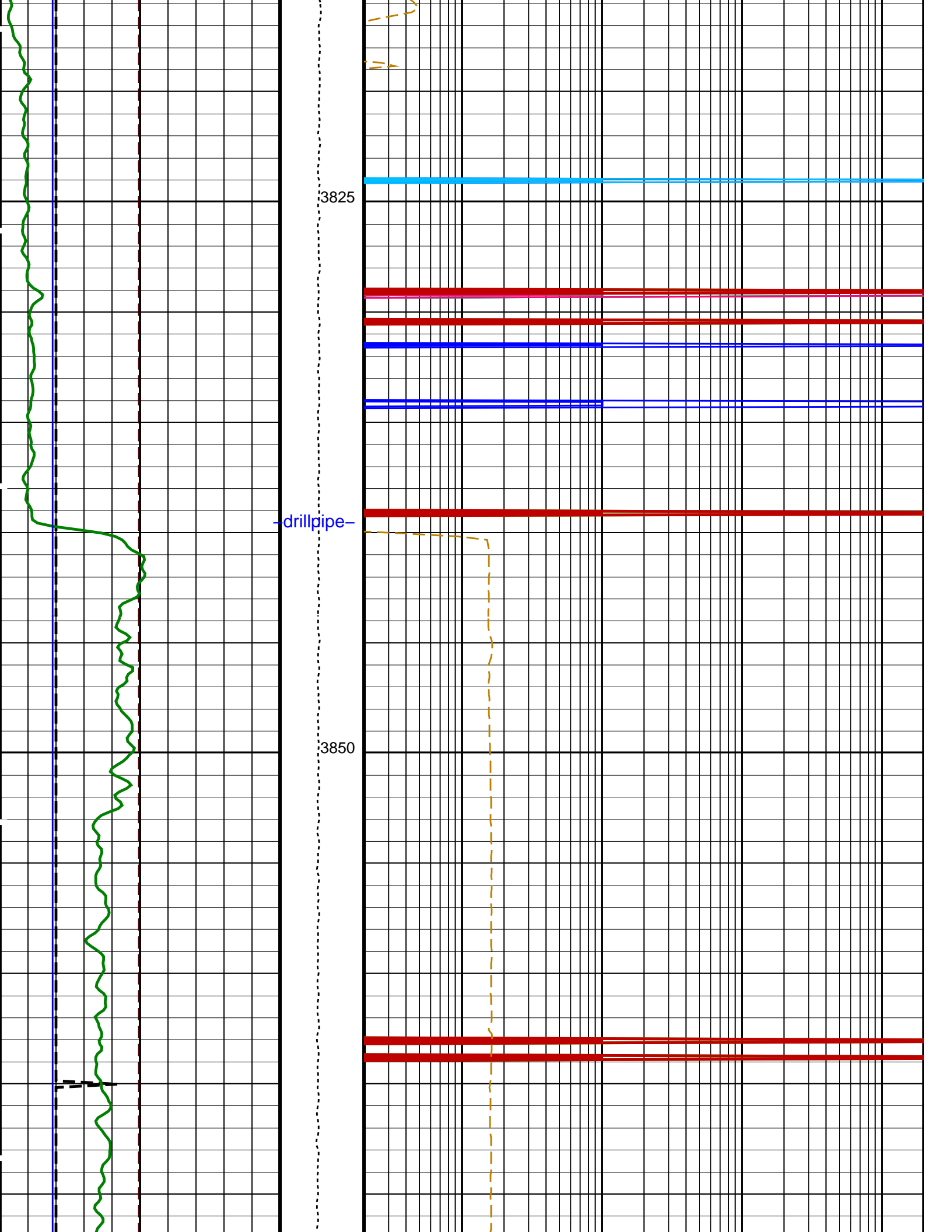


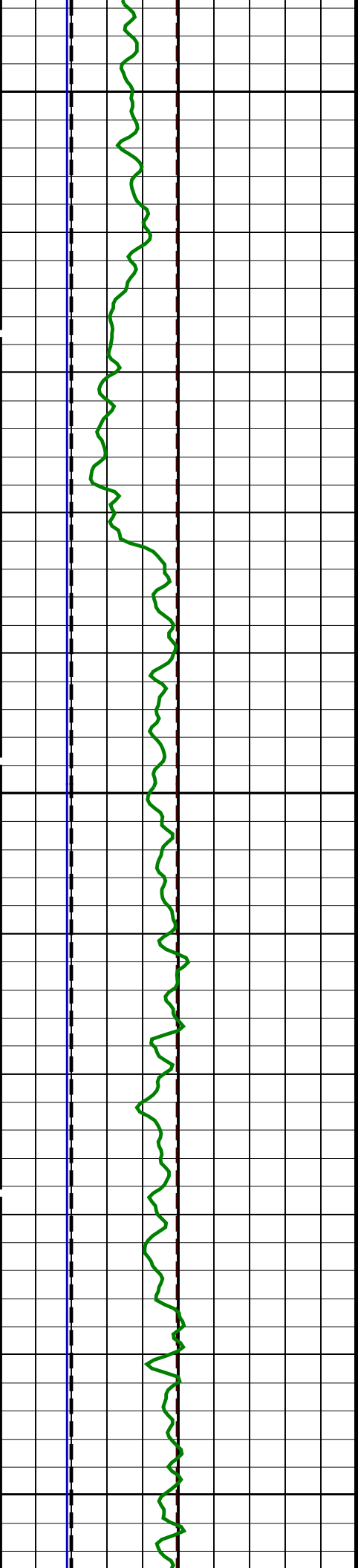
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3800

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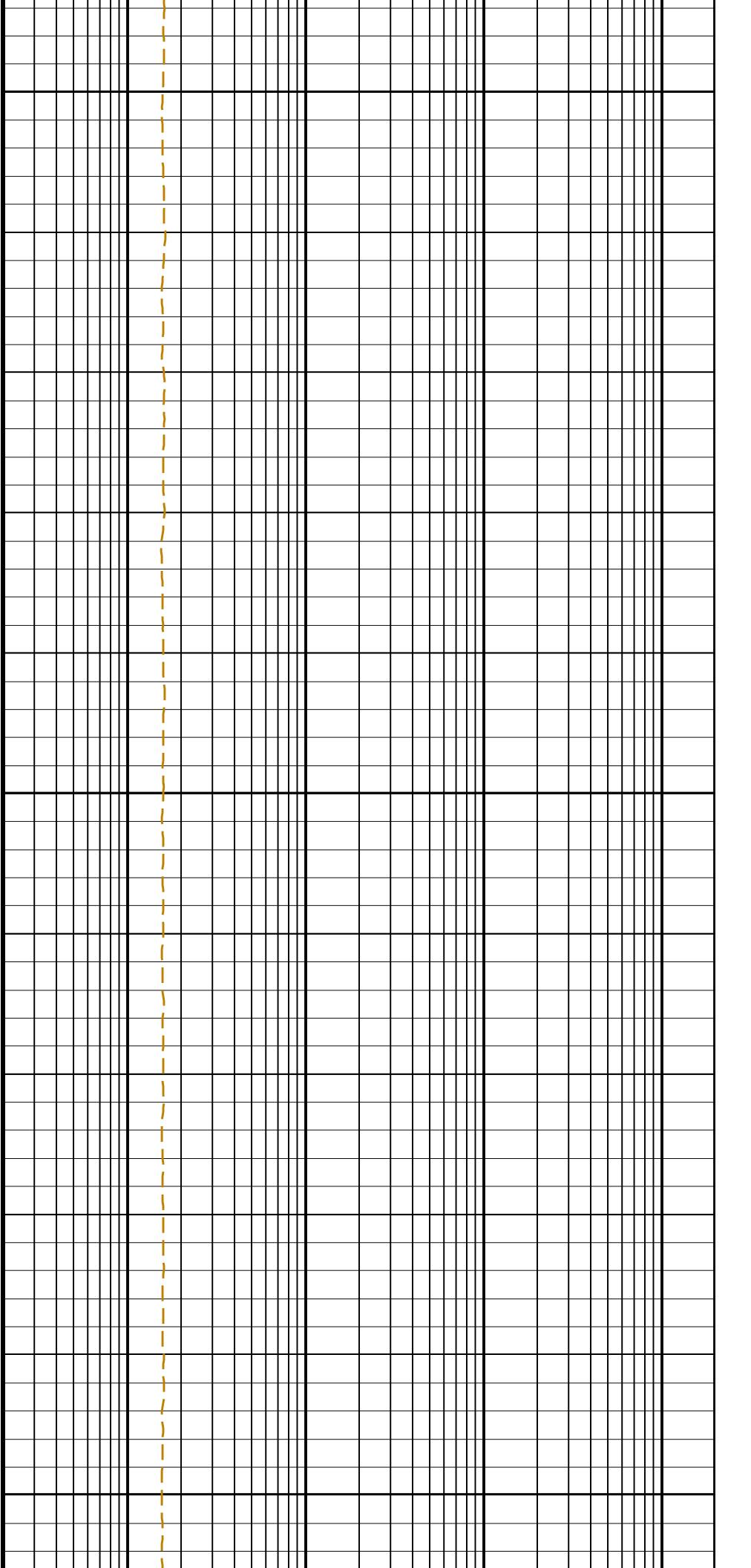


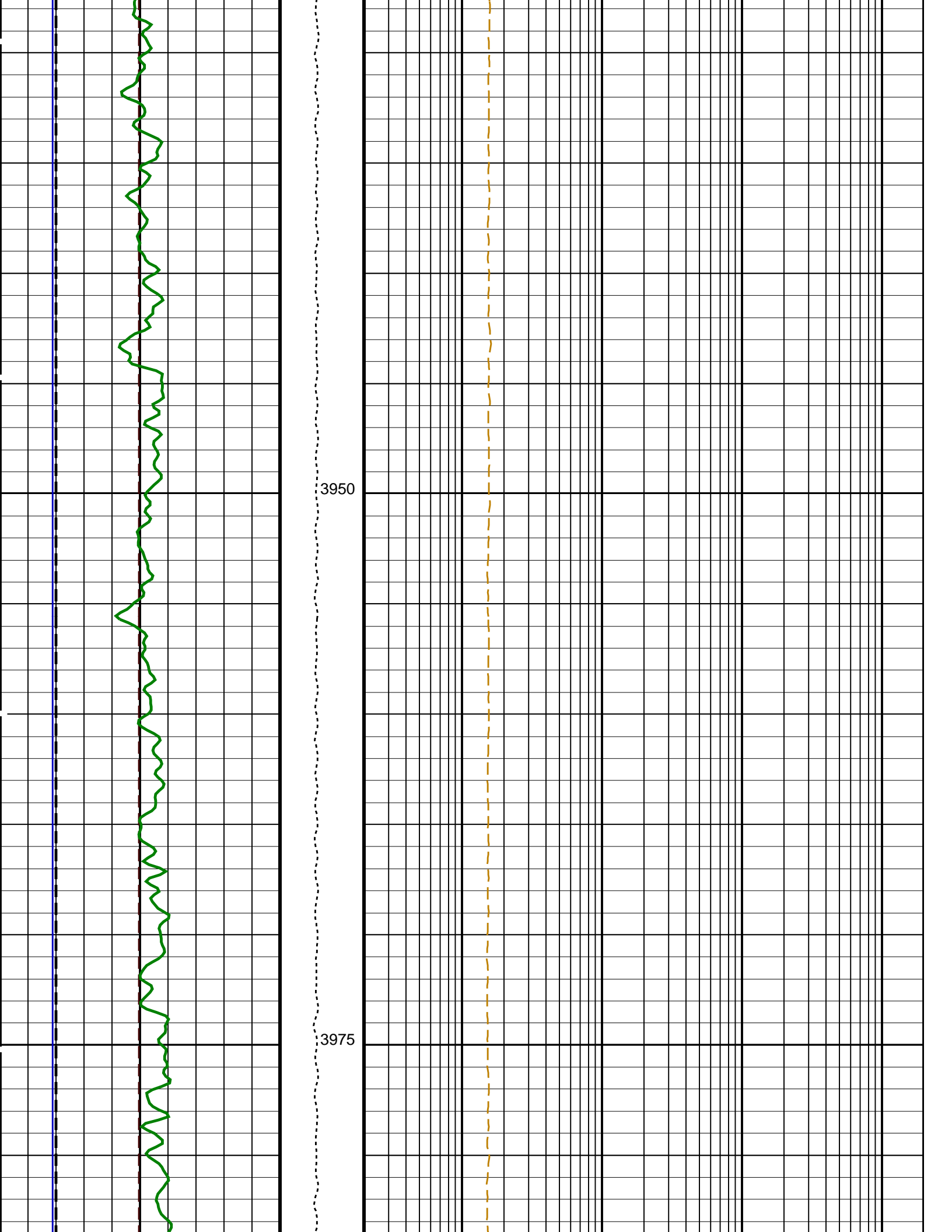


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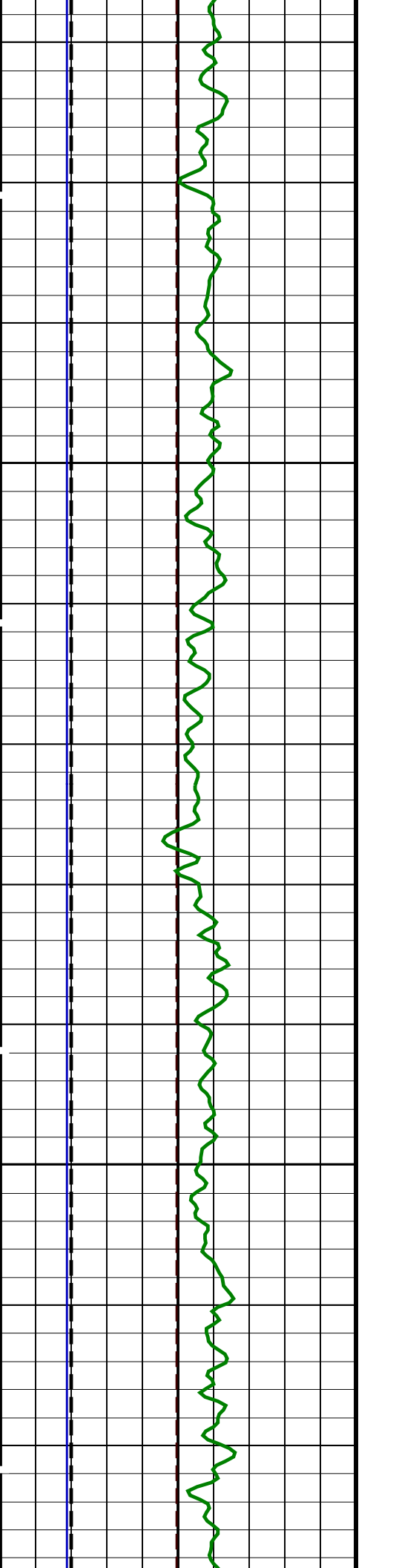
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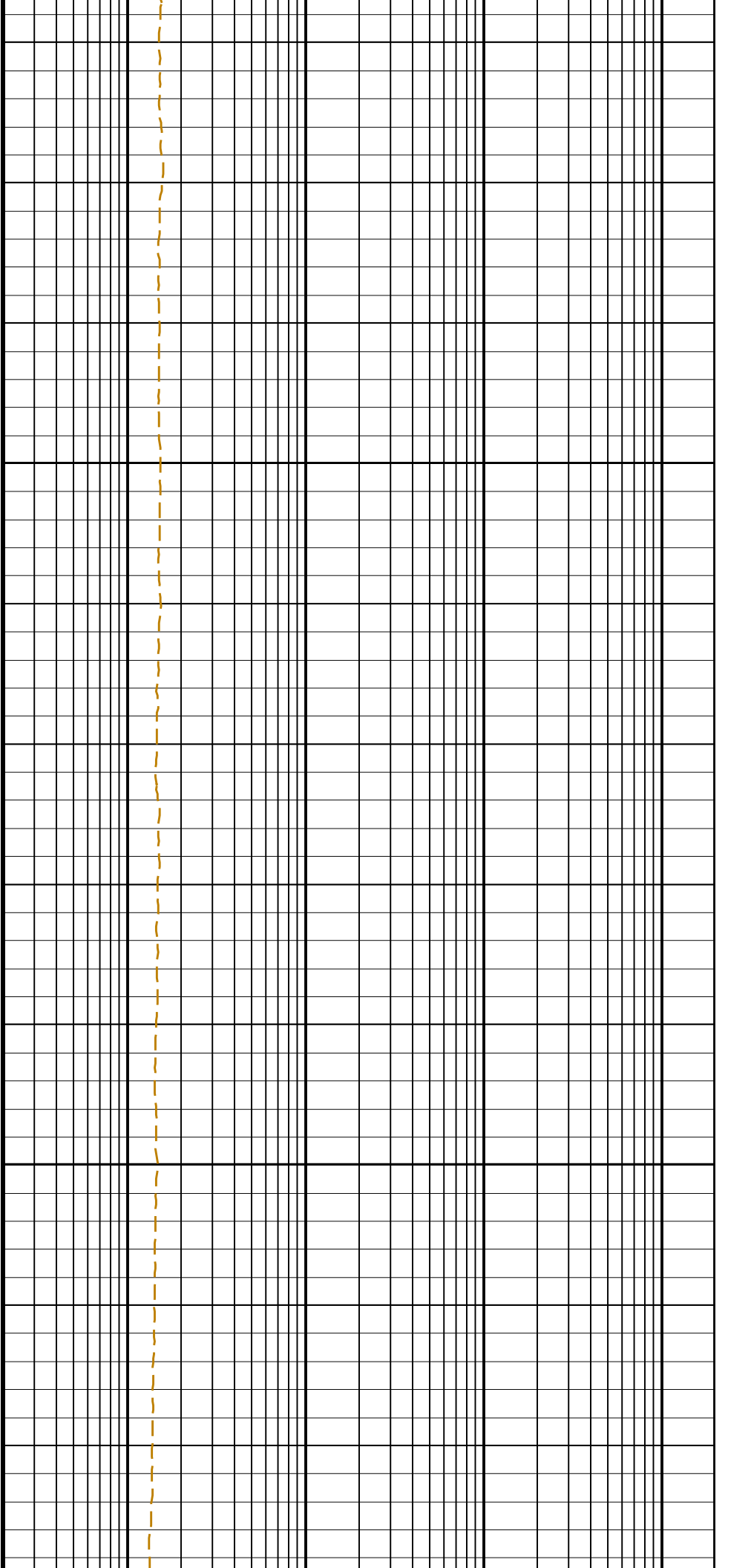
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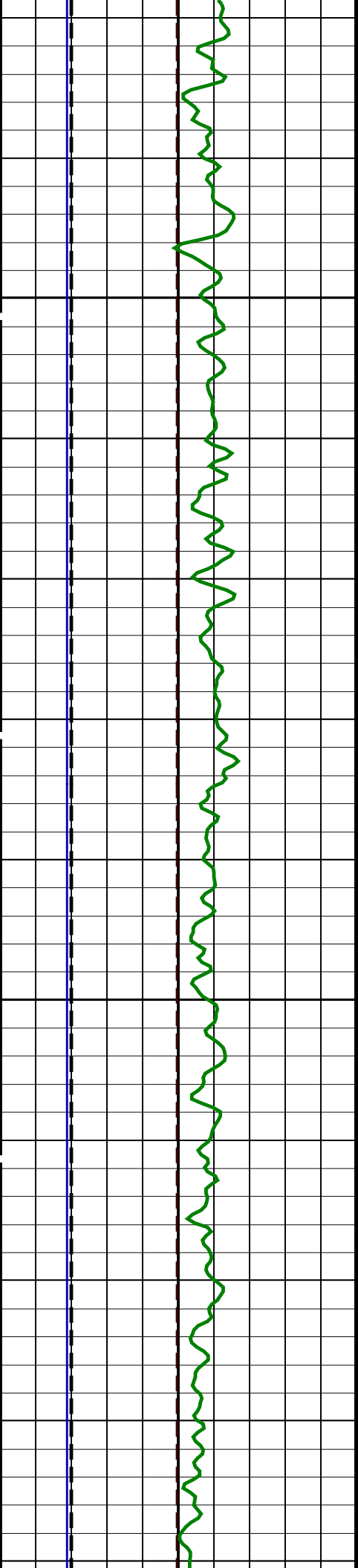
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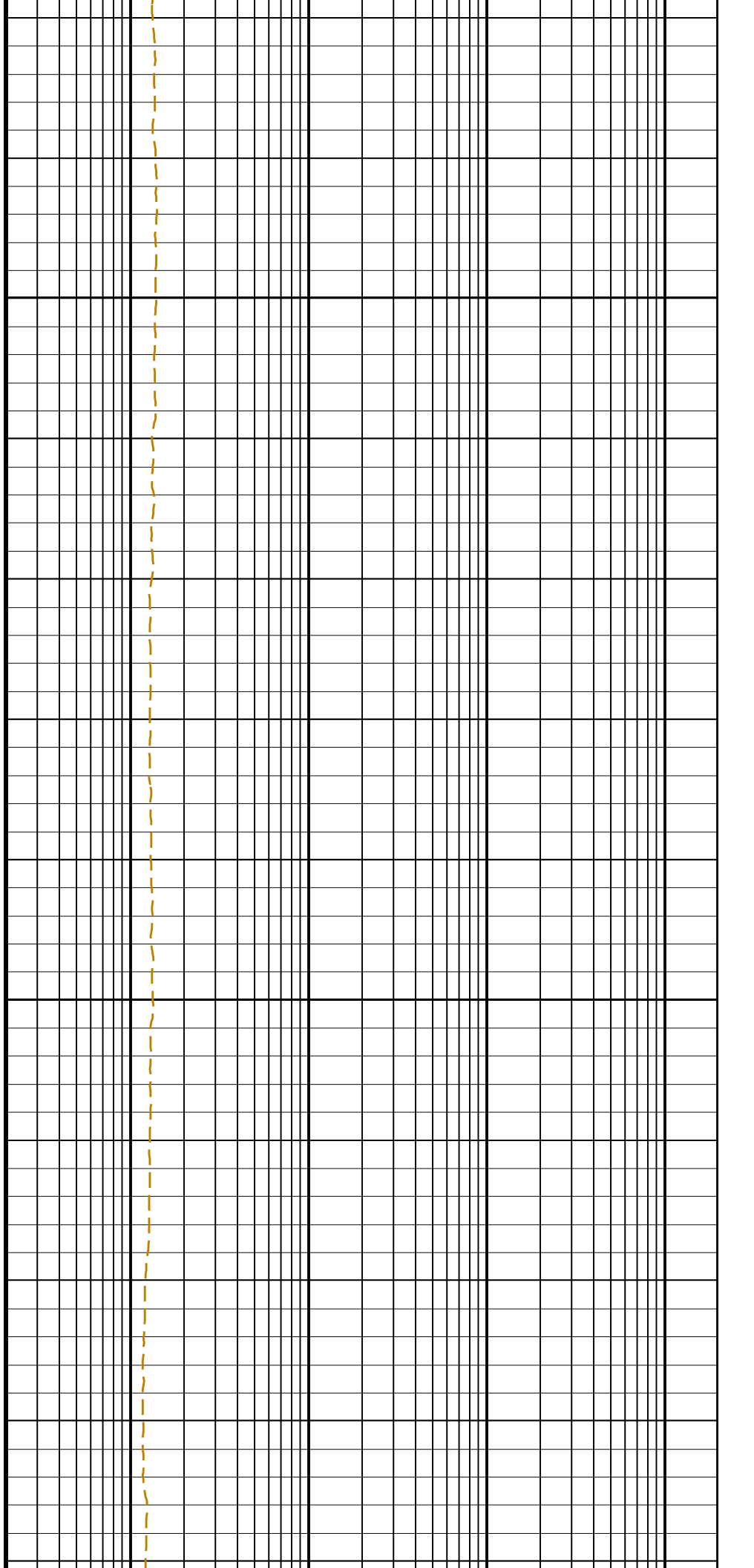
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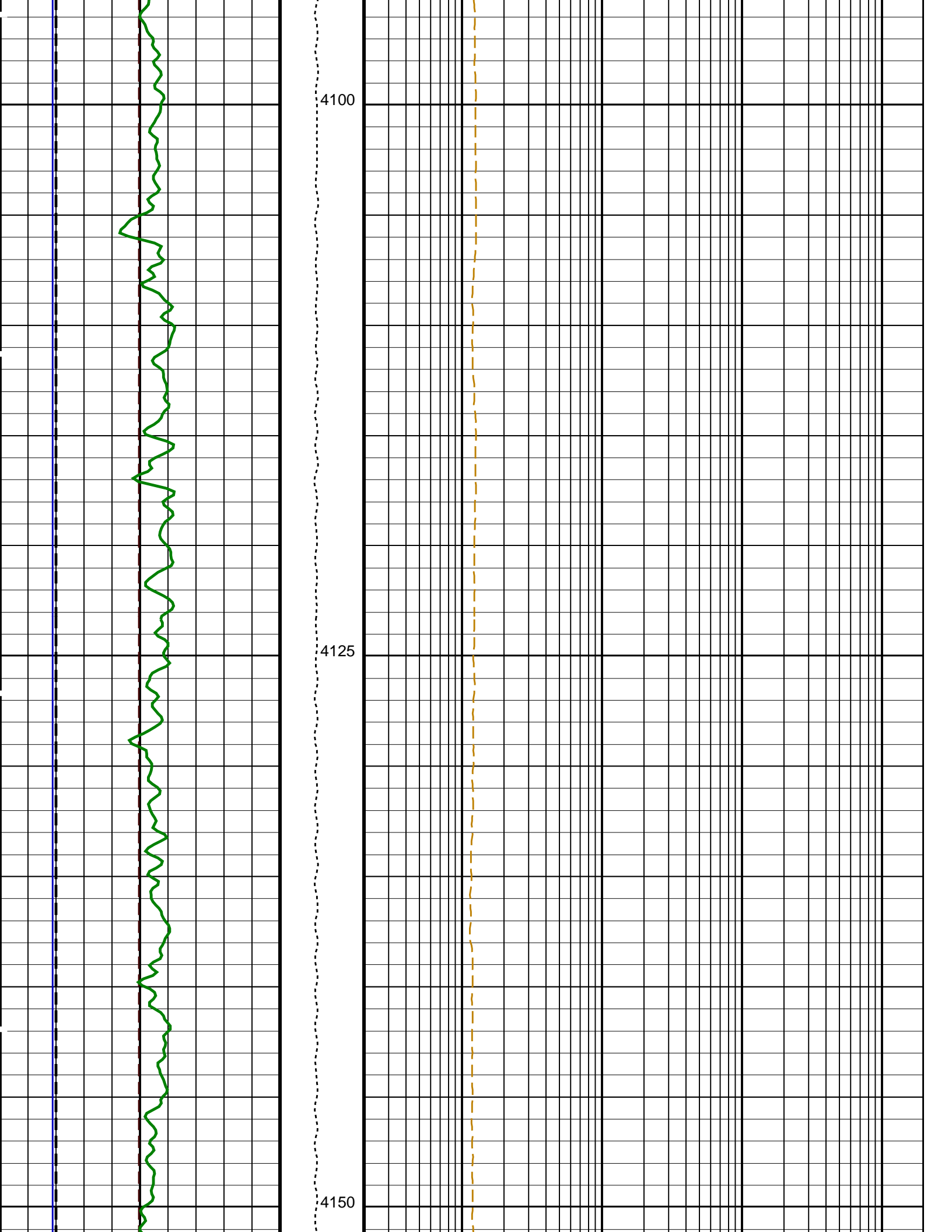


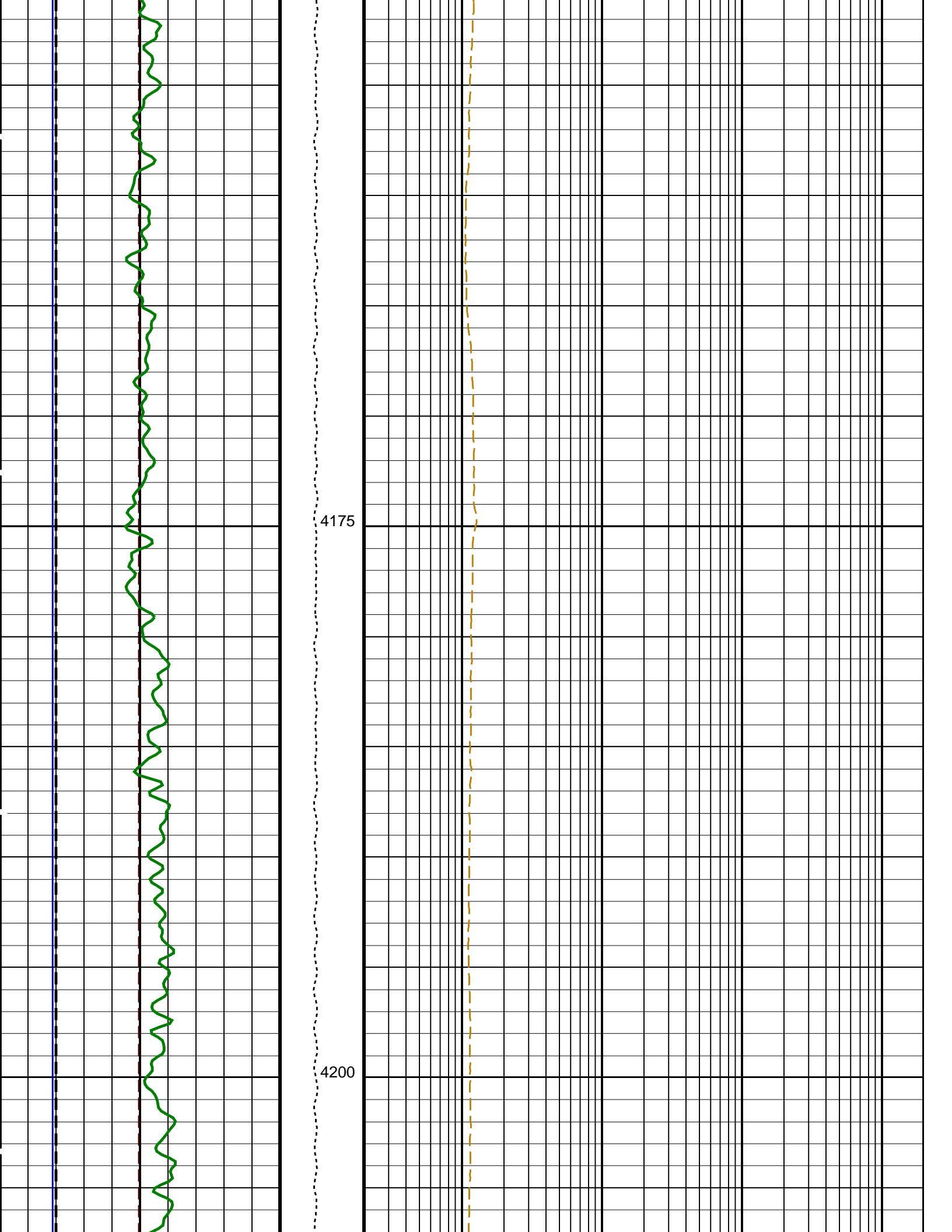


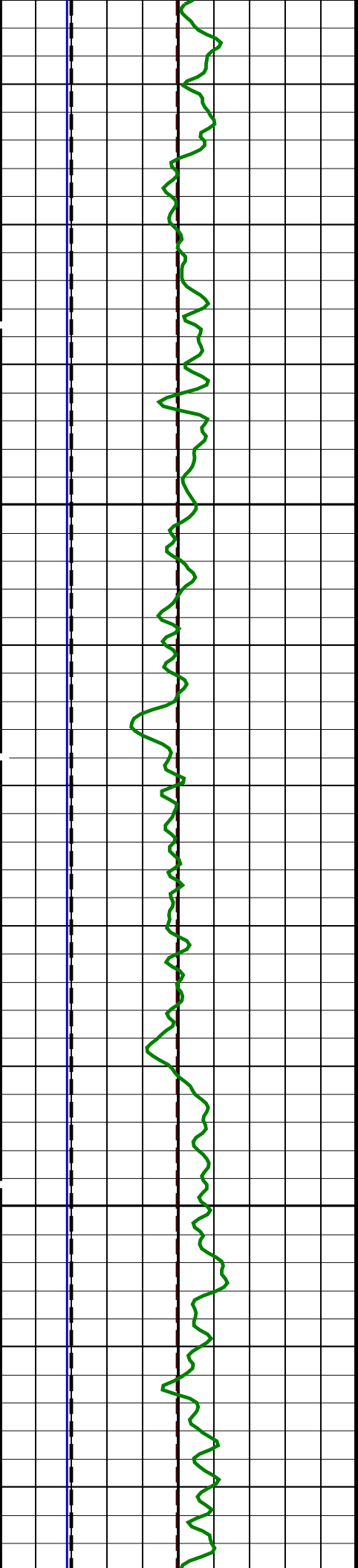
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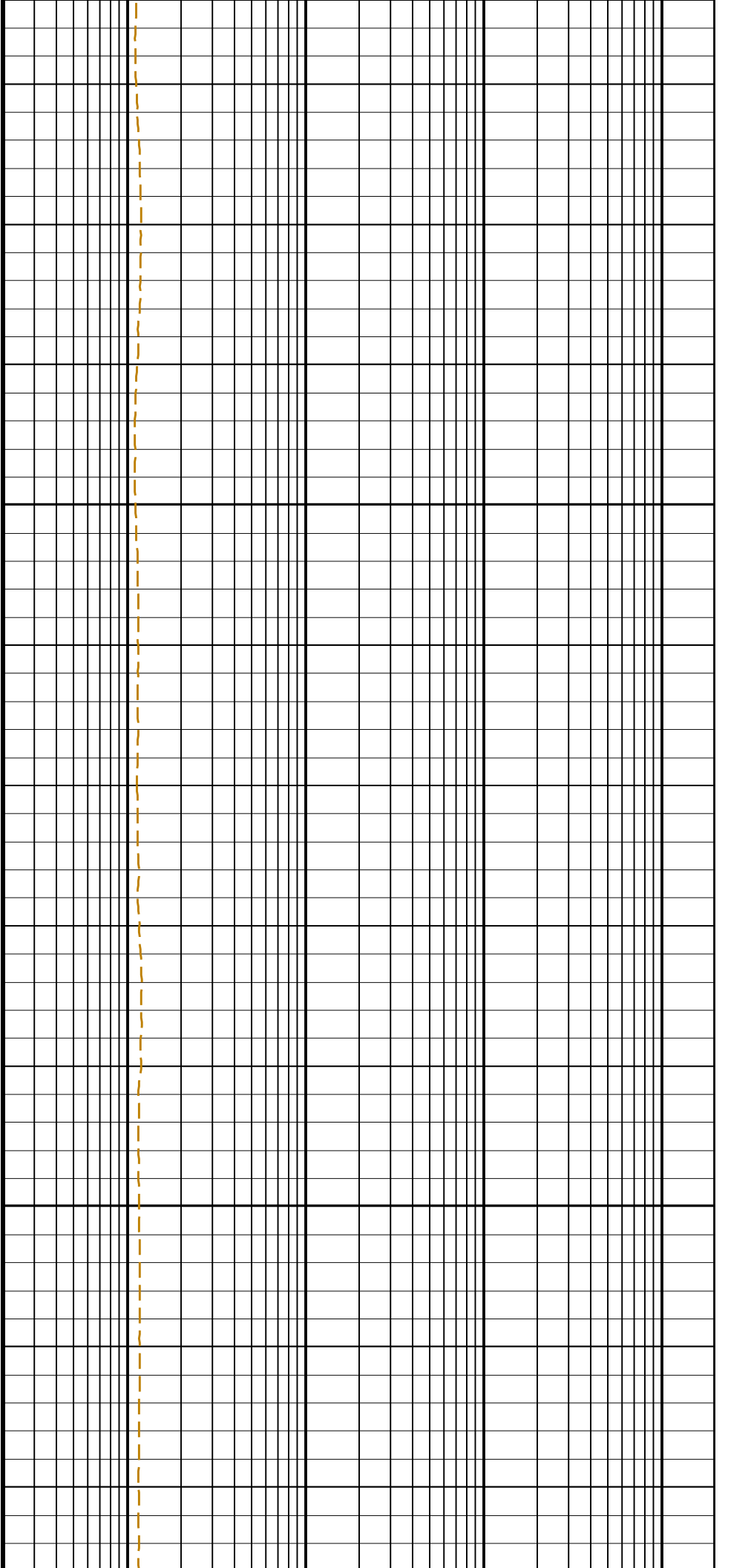


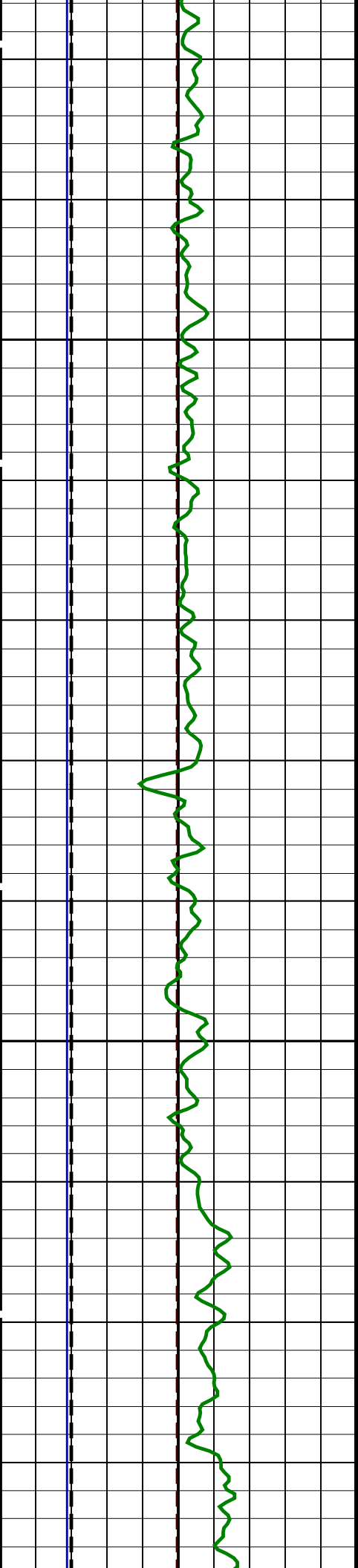




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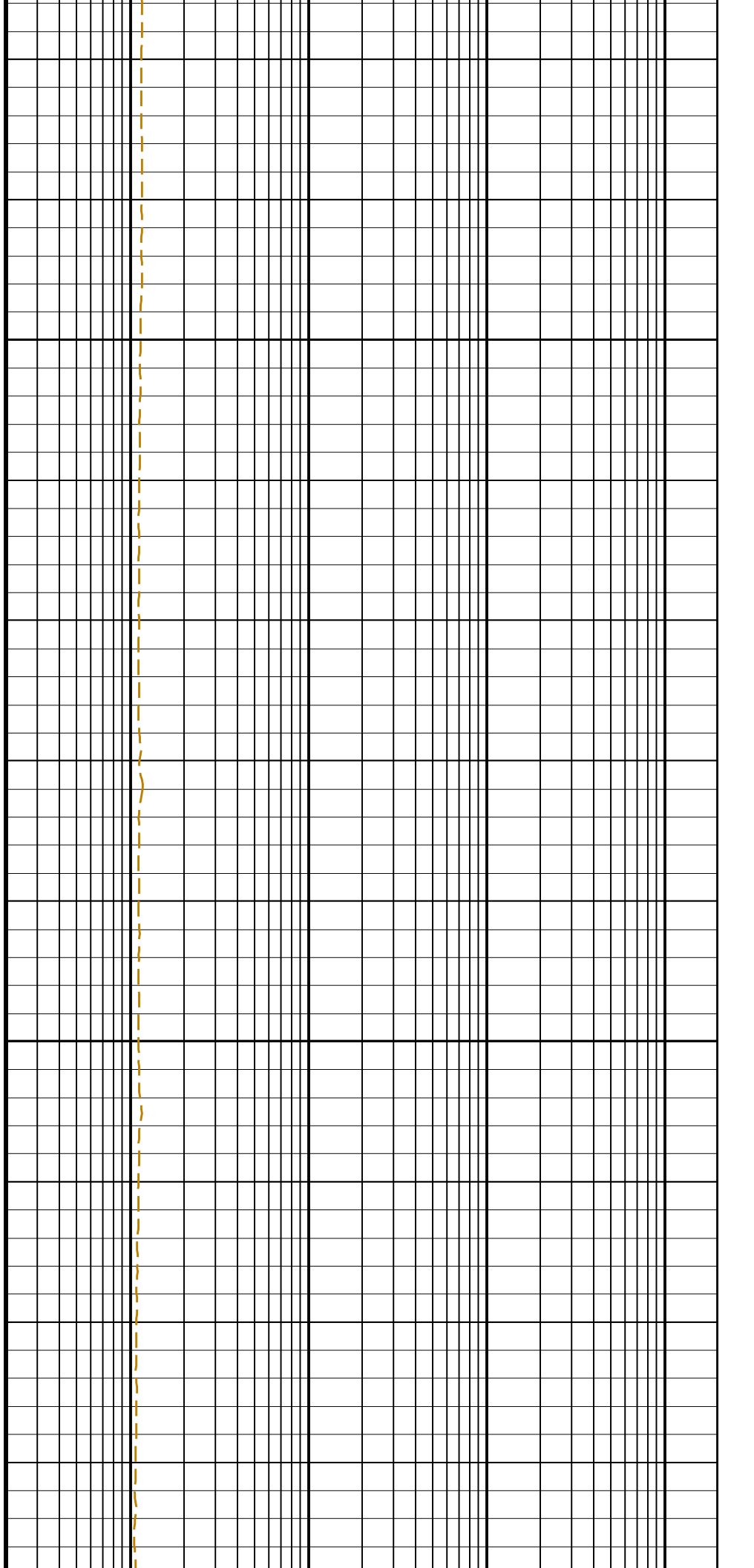
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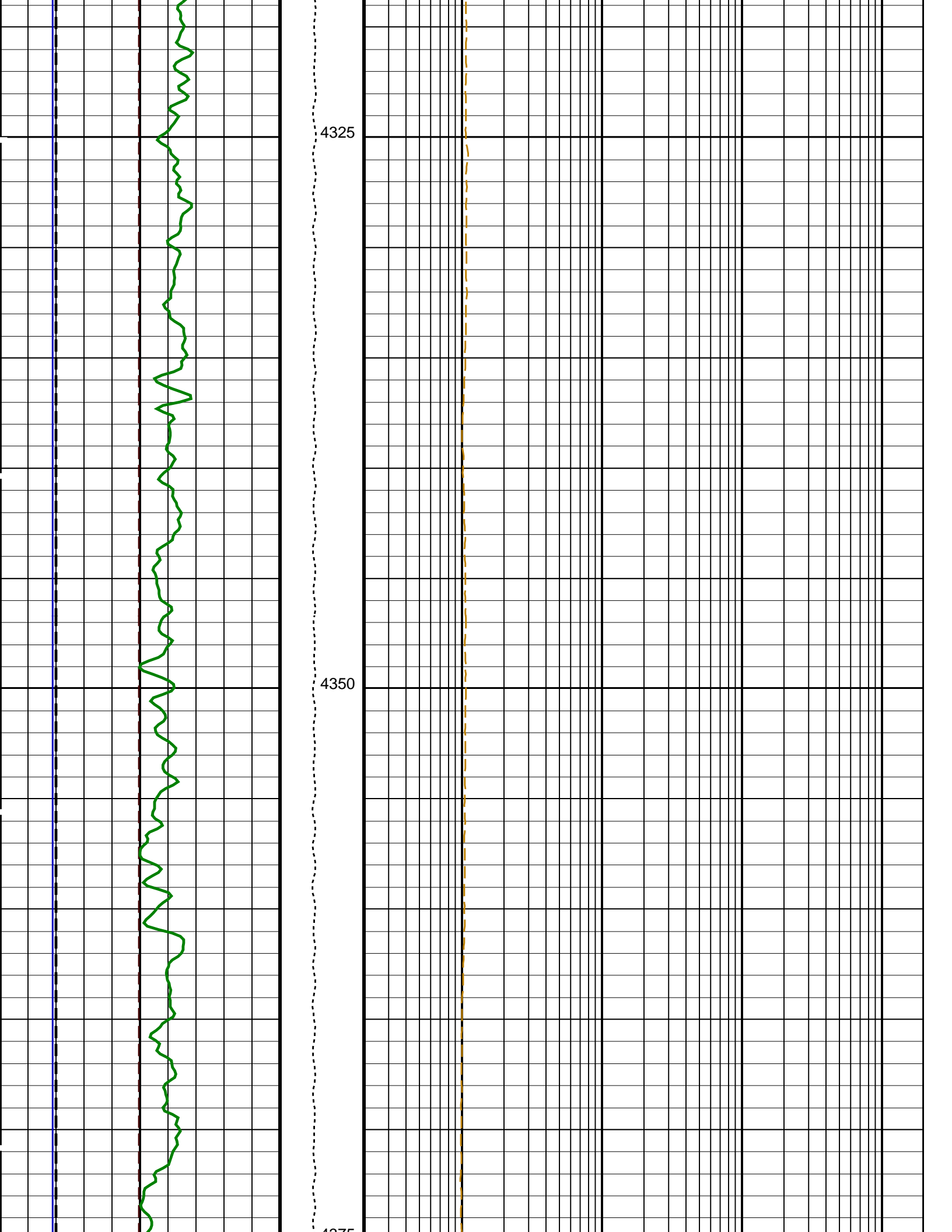


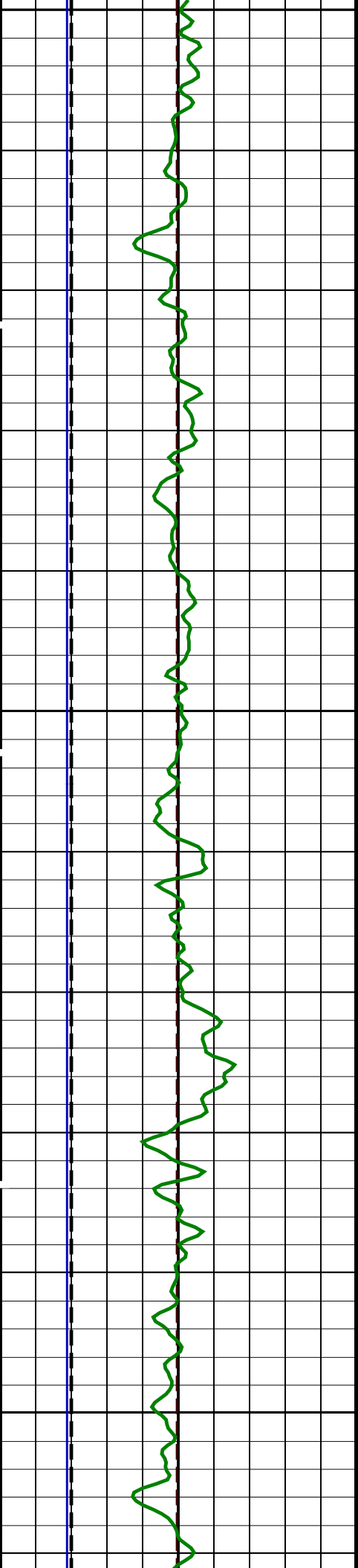


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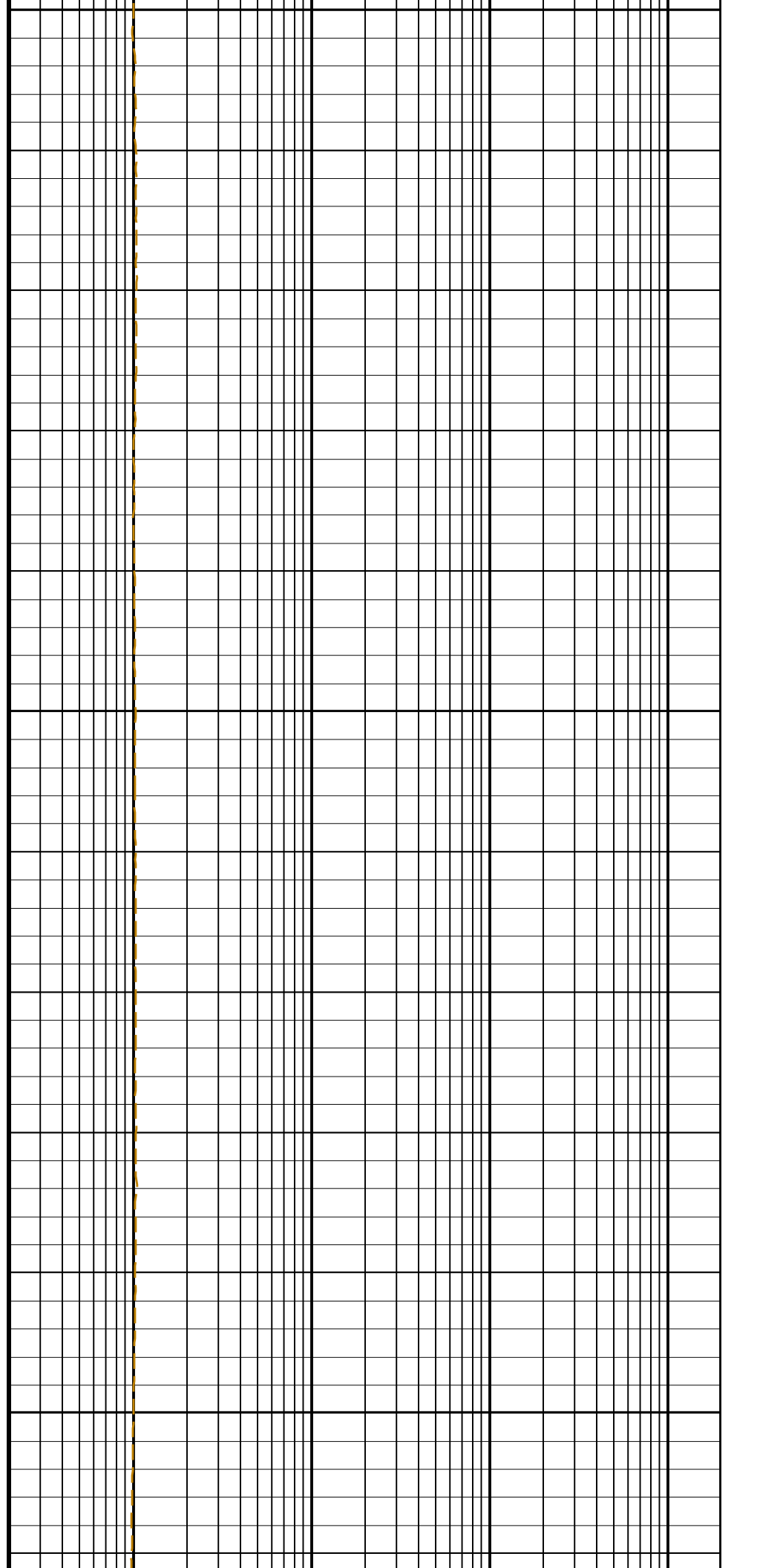


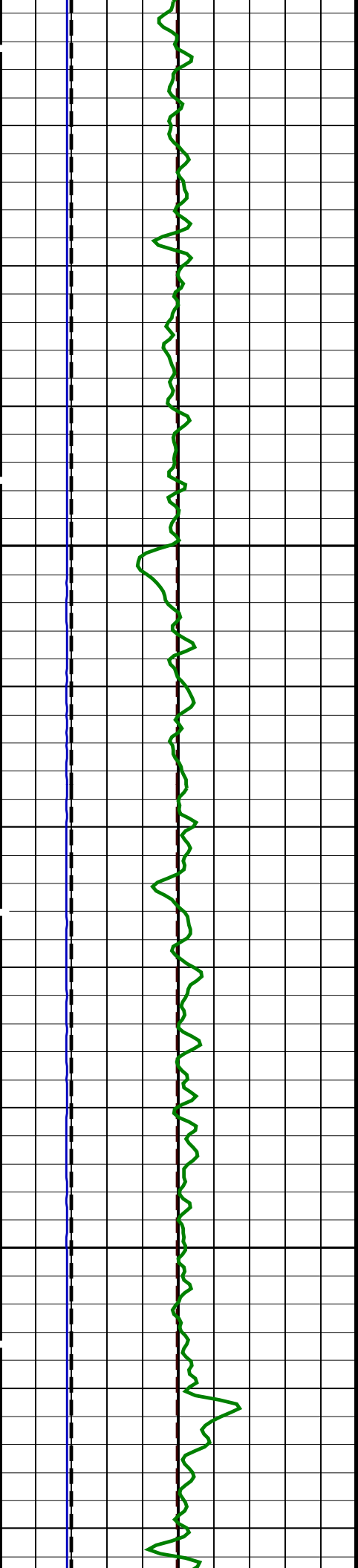


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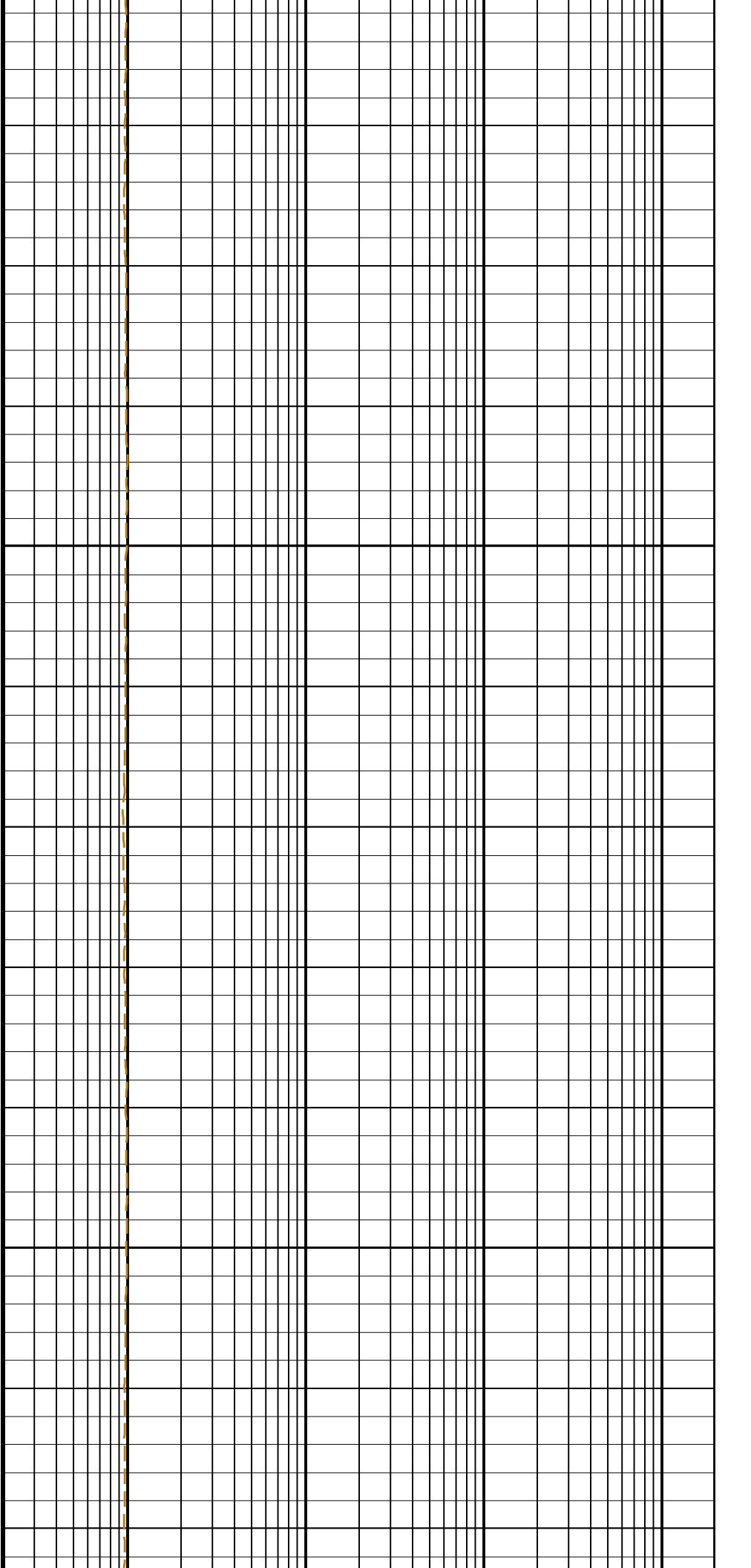
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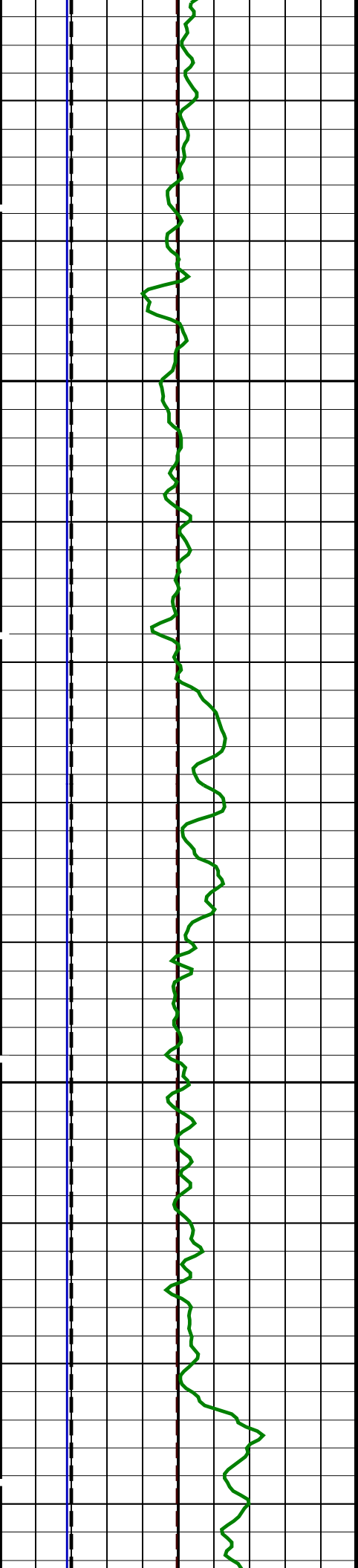




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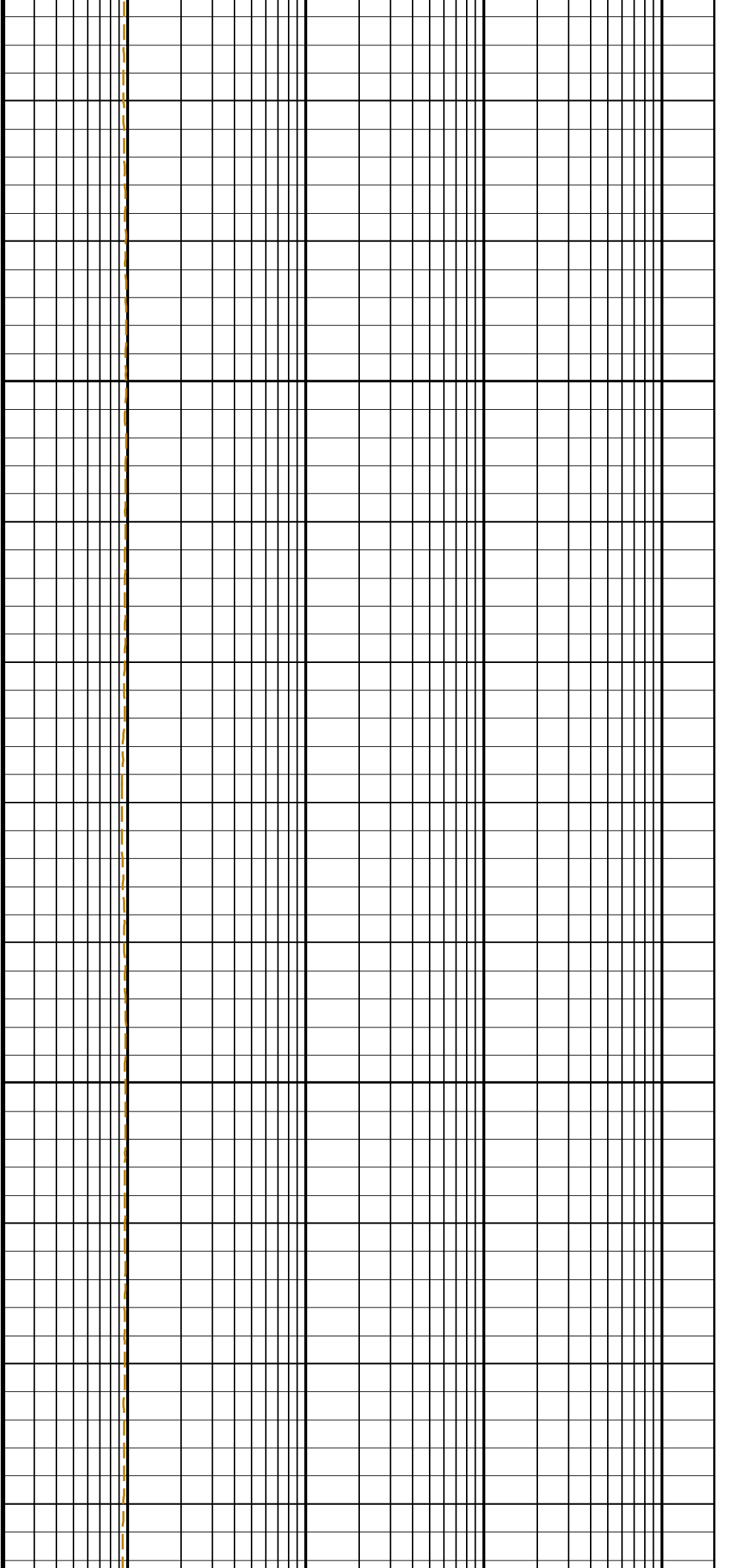
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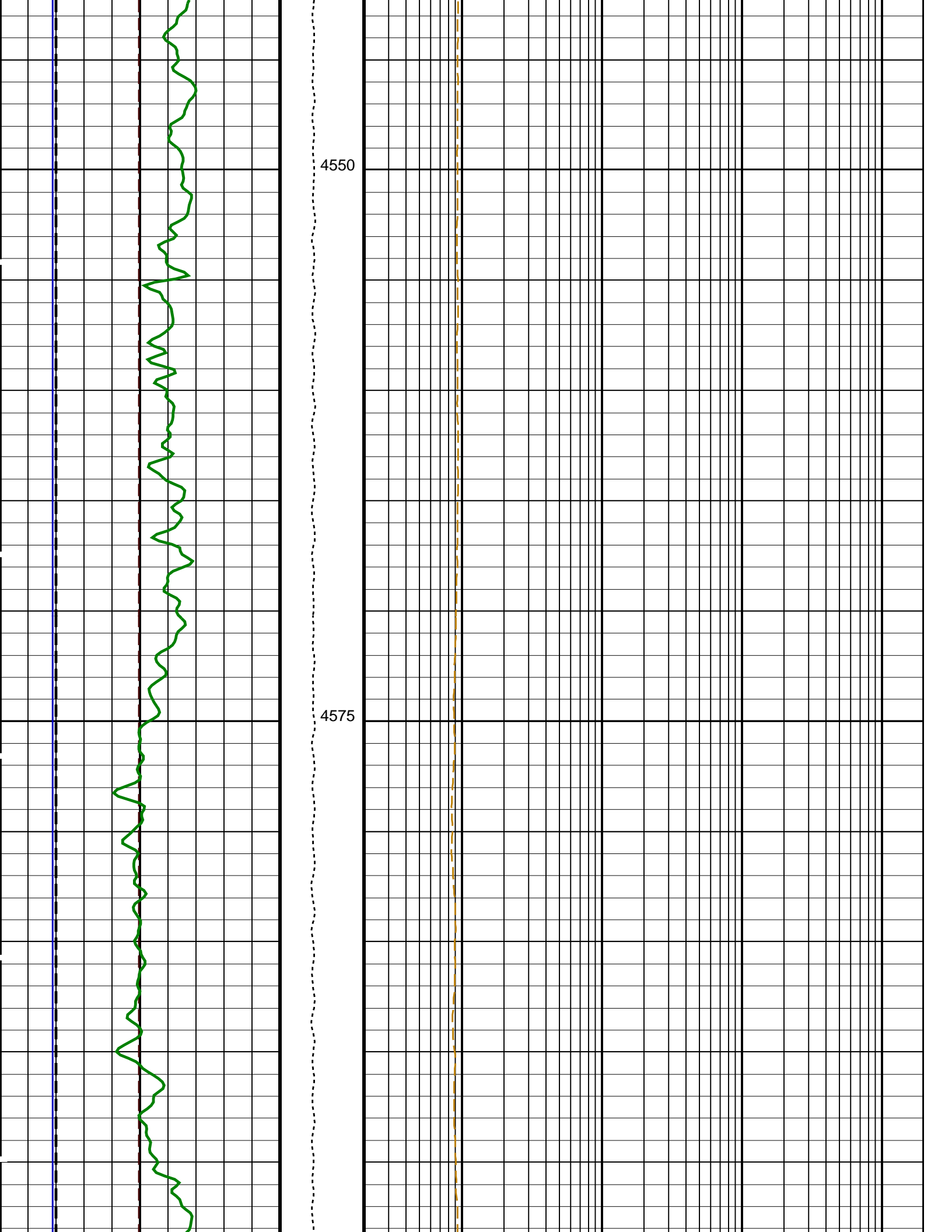


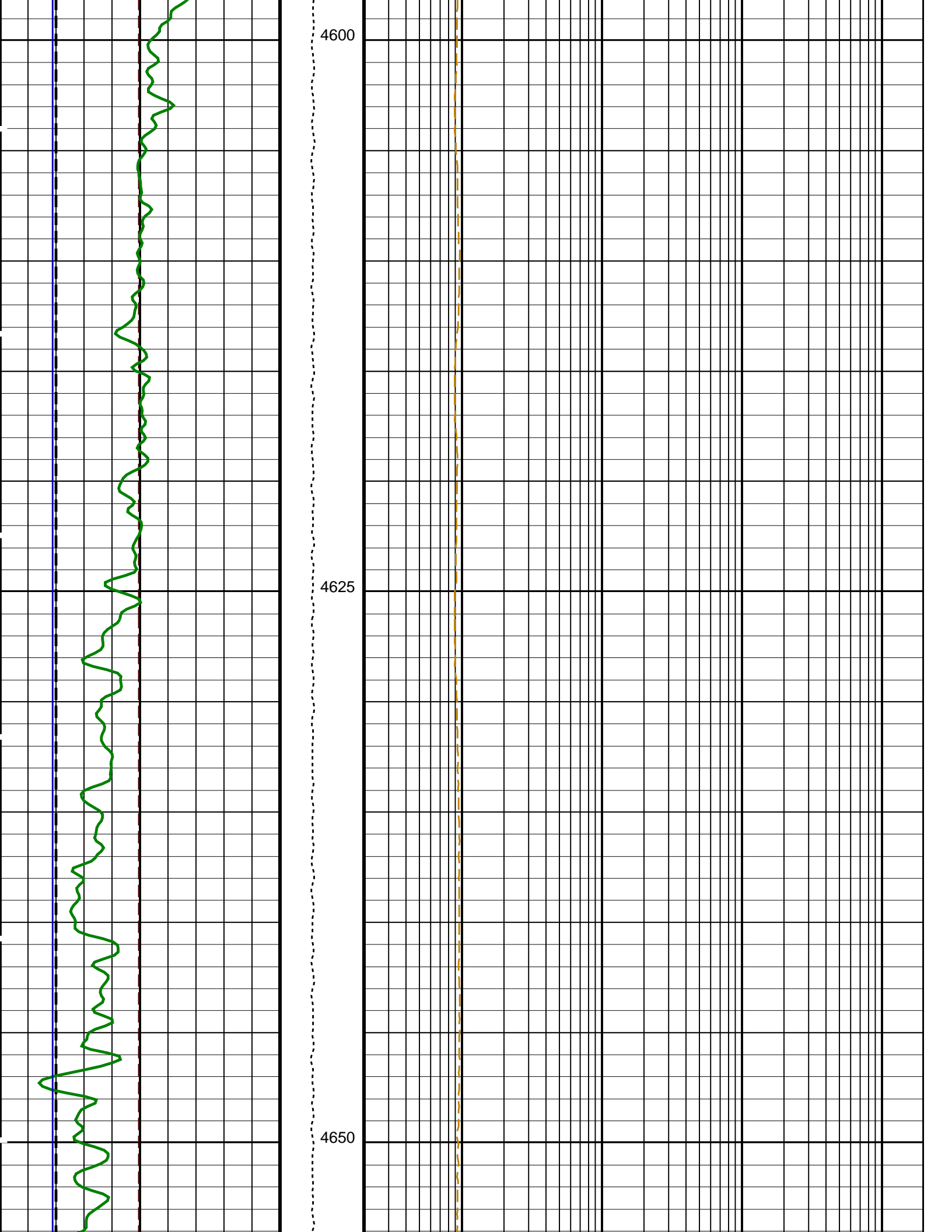


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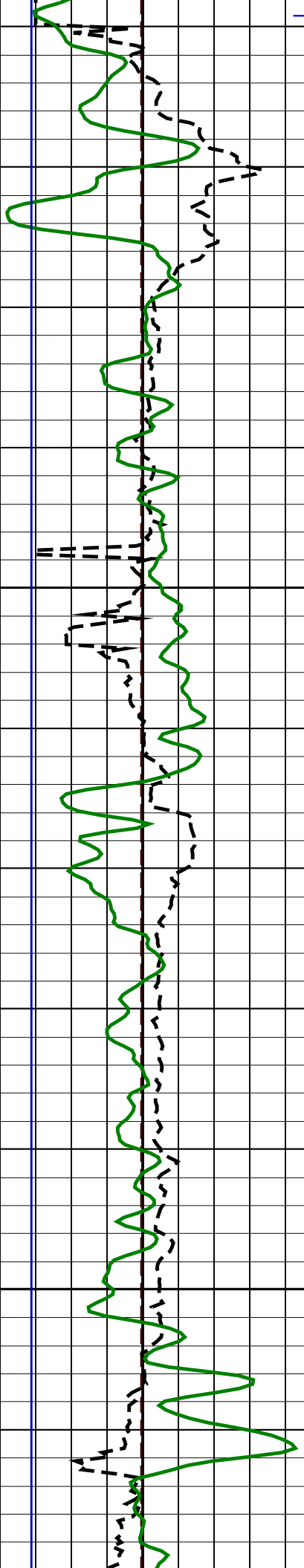
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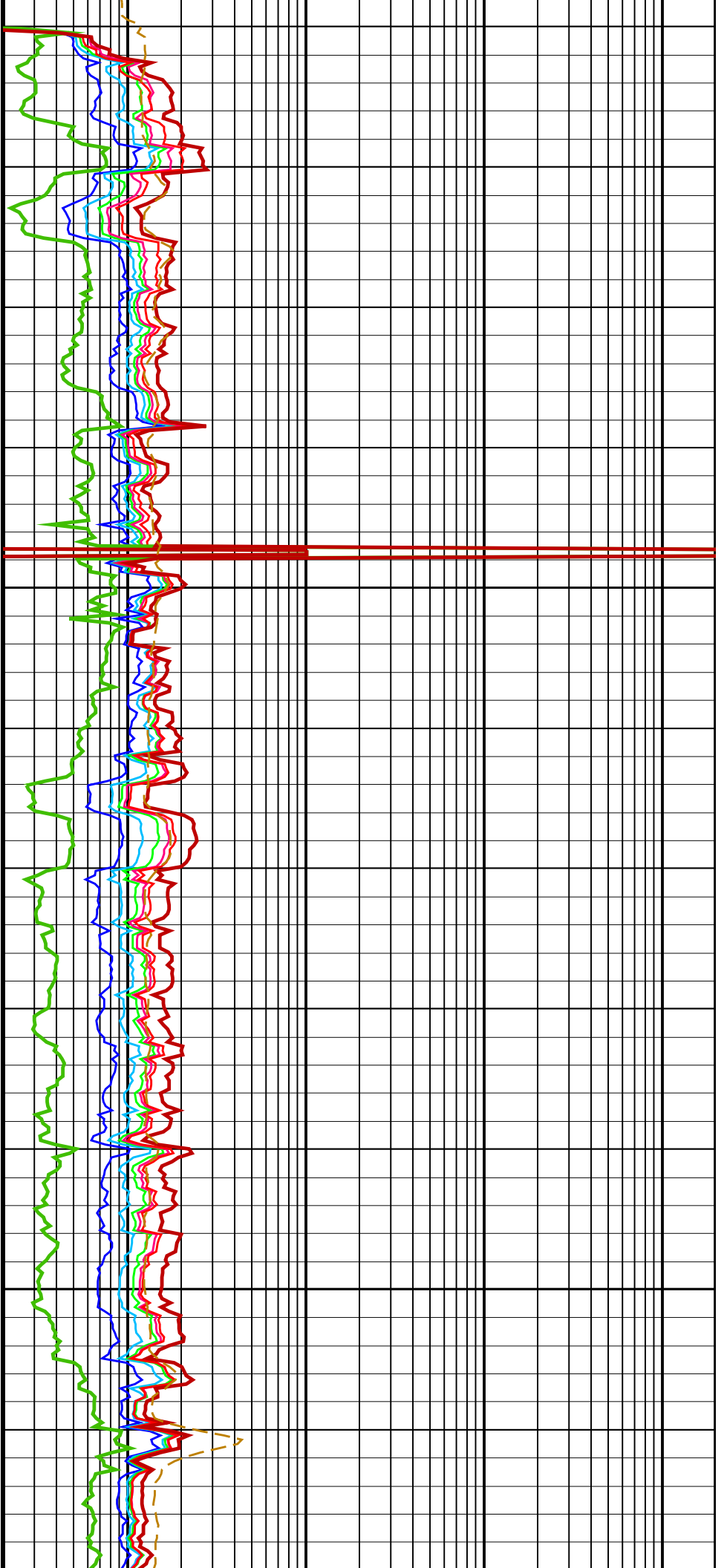


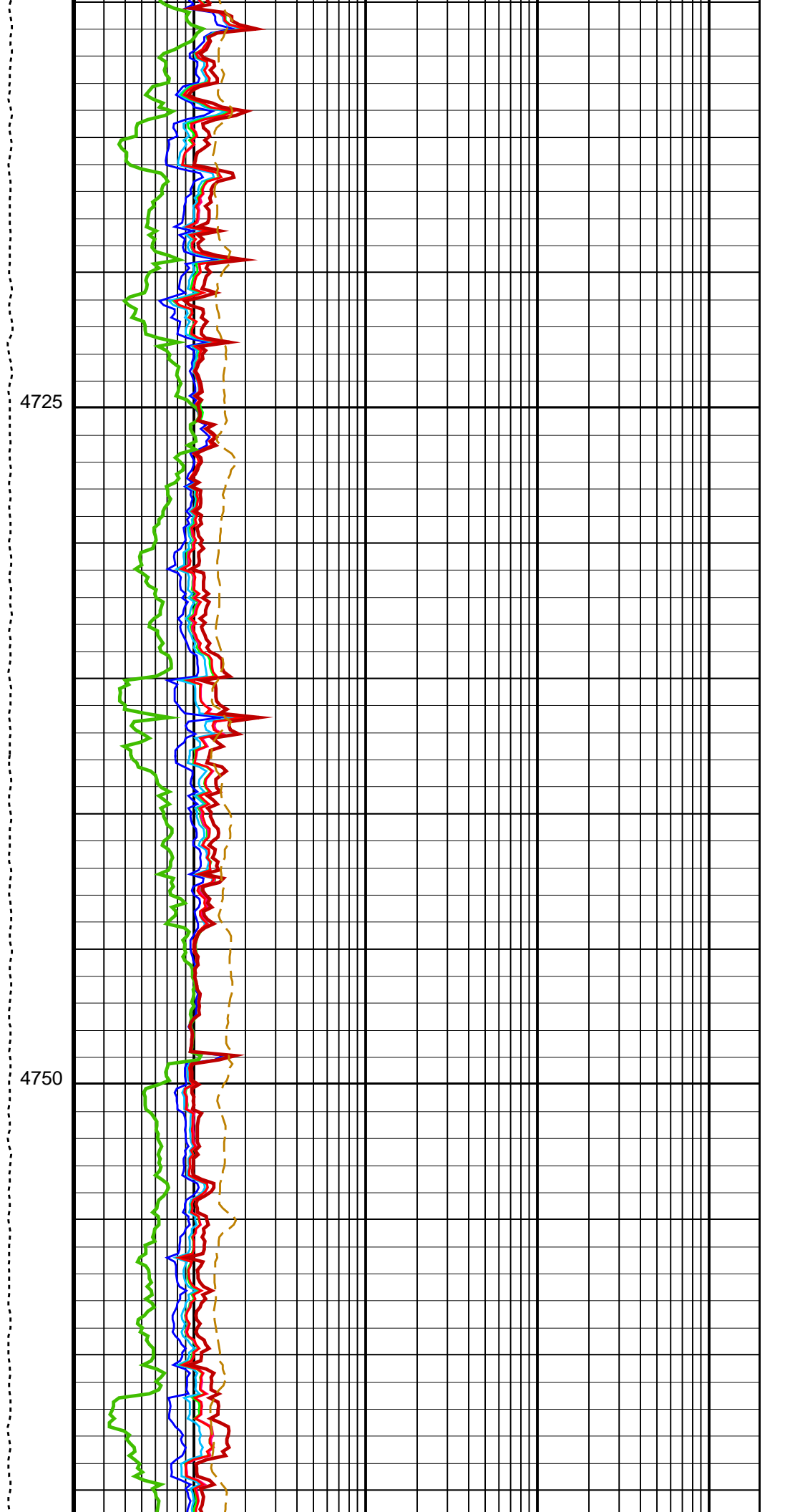
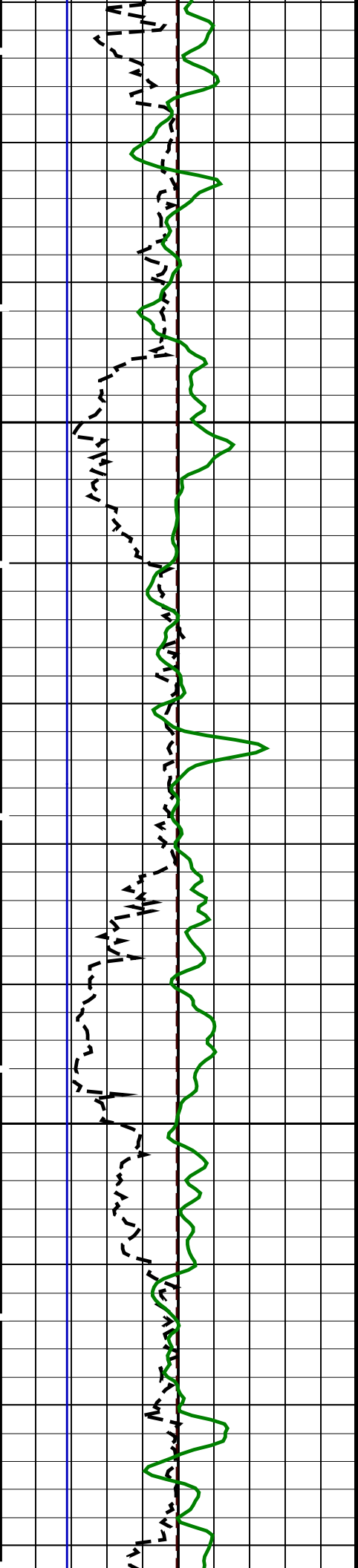
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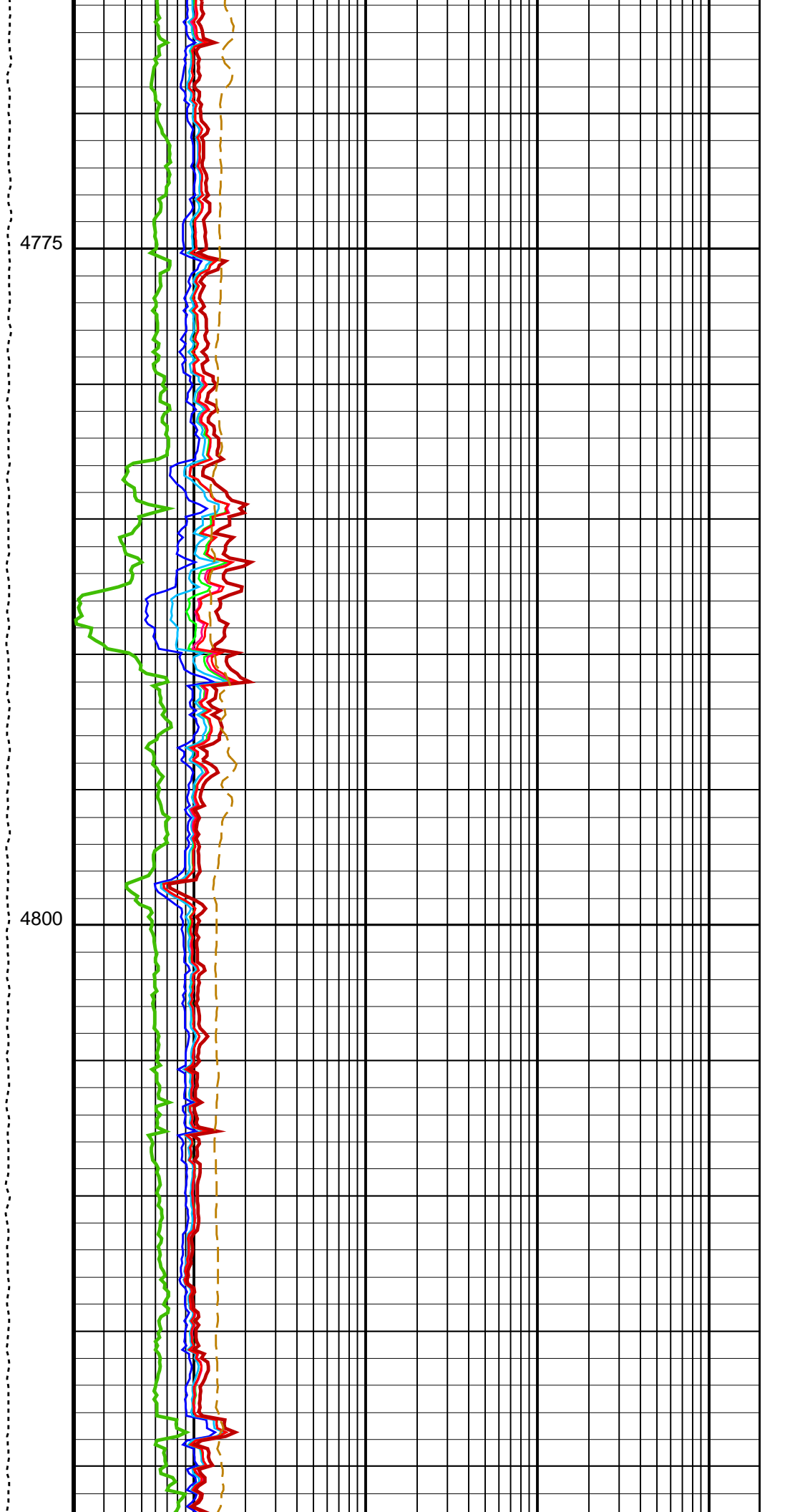
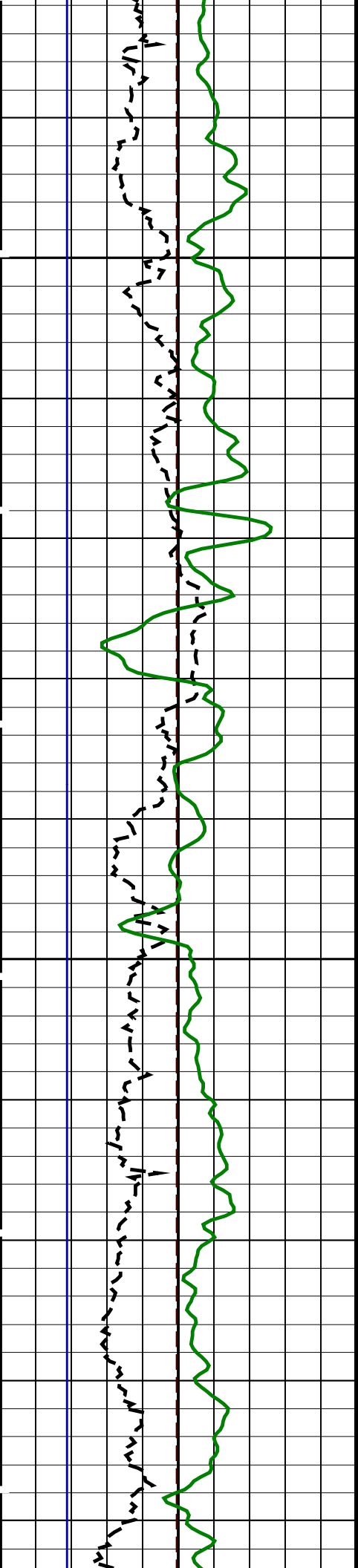


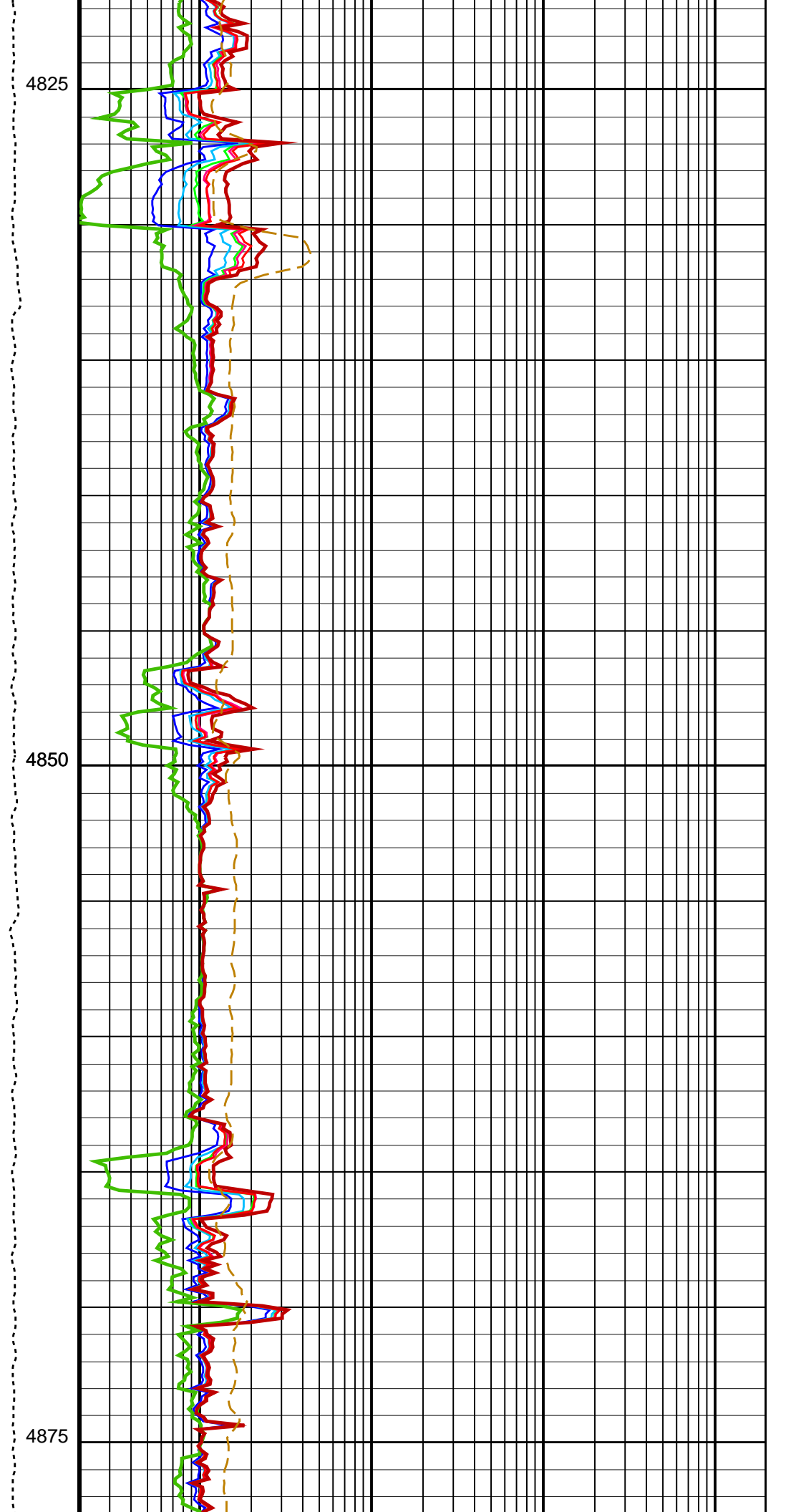
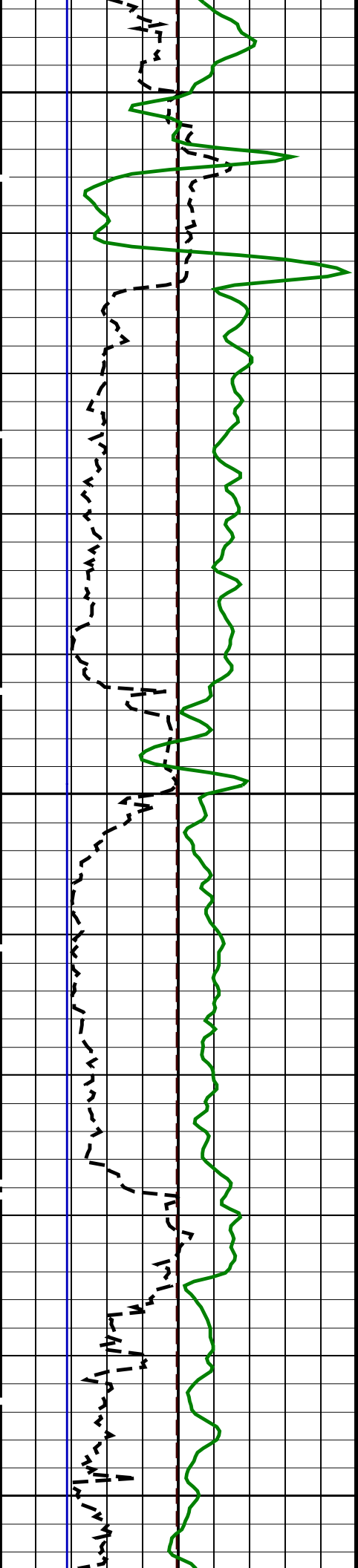
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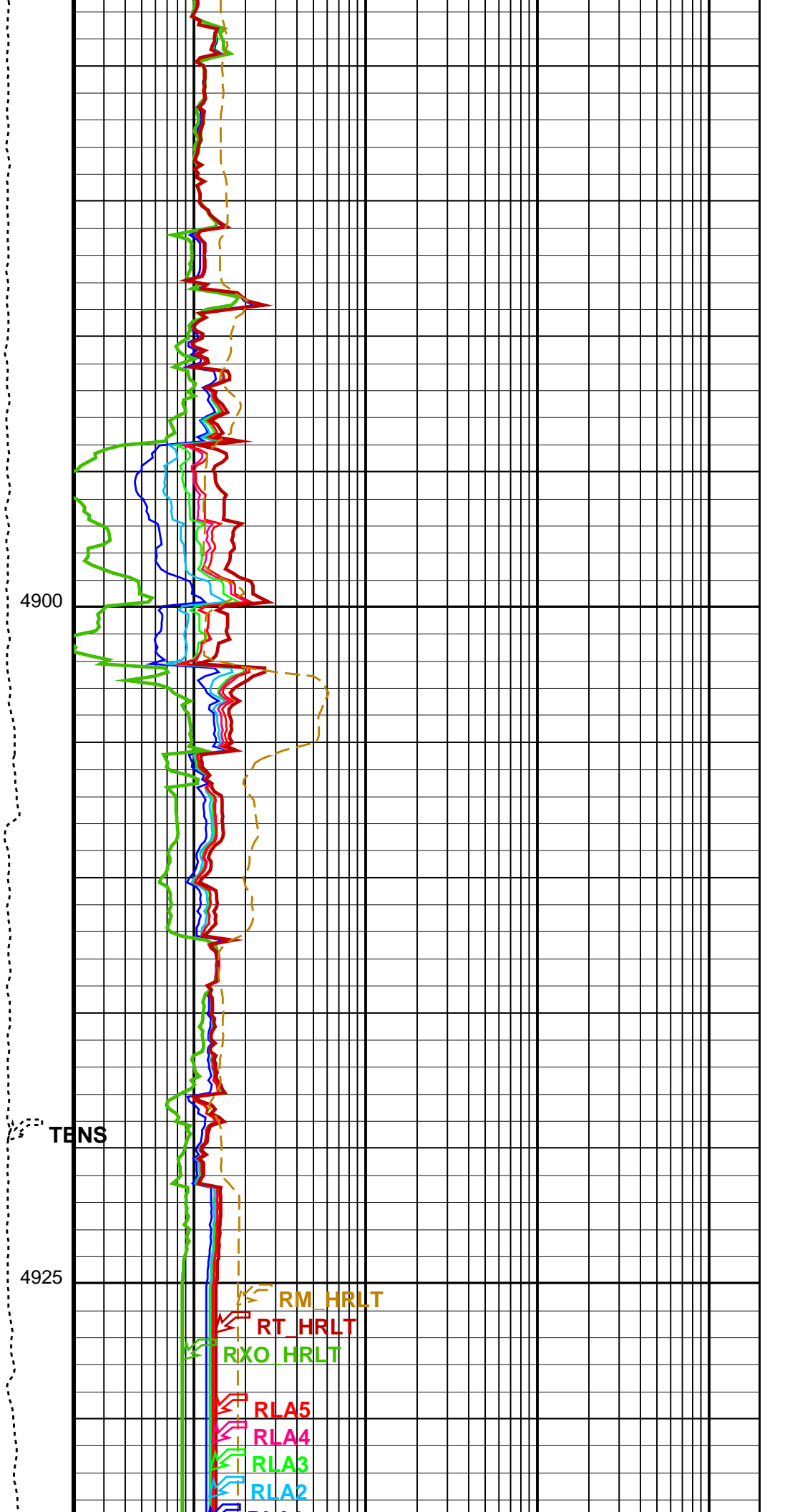
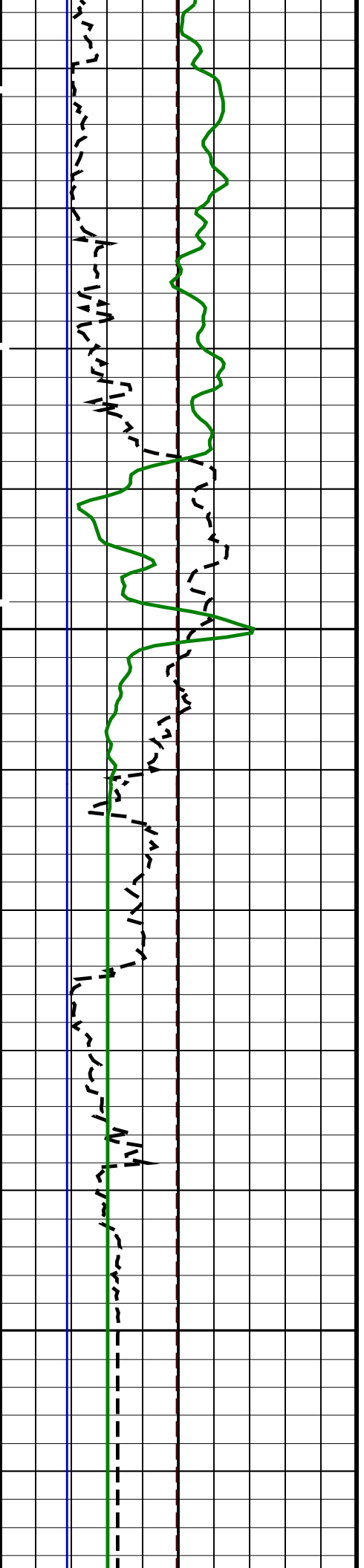
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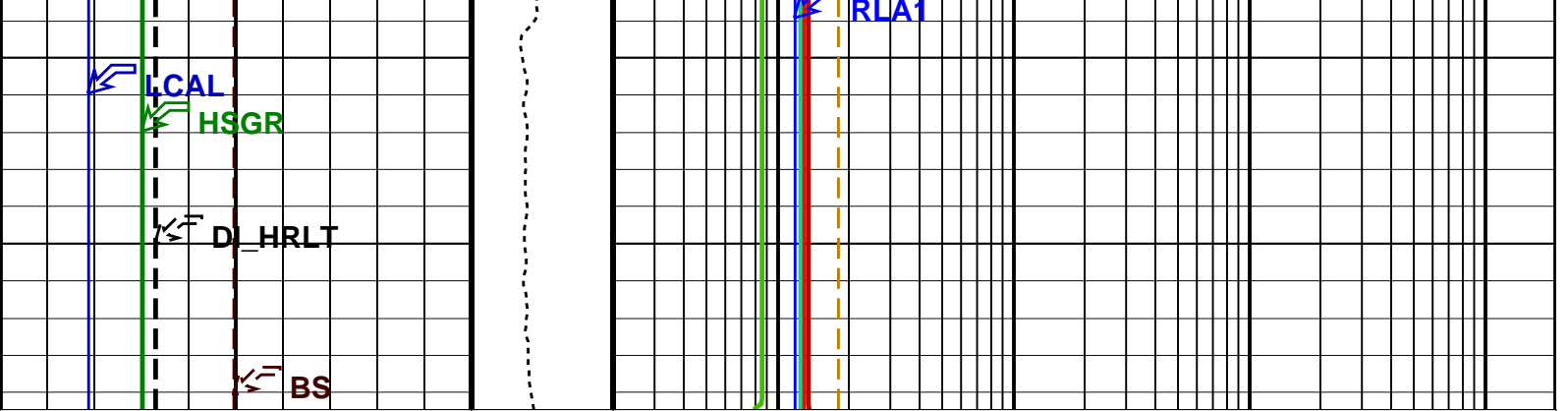












Bit Size (BS) (IN)	Tension (TENS) (LBF)	HRLT Resistivity 1 (RLA1) (OHMM)
0 20	10000 0	0.2 2000
Caliper (LCAL) (IN)		HRLT Resistivity 2 (RLA2) (OHMM)
0 20		0.2 2000
Invasion Diameter (DI_HRLT) (IN)		HRLT Resistivity 3 (RLA3) (OHMM)
0 50		0.2 2000
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)		HRLT Resistivity 4 (RLA4) (OHMM)
0 100		0.2 2000
		HRLT Resistivity 5 (RLA5) (OHMM)
		0.2 2000
		HRLT Mud Resistivity (RM_HRLT) (OHMM)
		0.02 200
		Invaded Zone Resistivity (RXO_HRLT) (OHMM)
		0.2 2000
		HRLT True Resistivity (RT_HRLT) (OHMM)
		0.2 2000

Downlog

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	21 DEGC
GCSE	Generalized Caliper Selection	BS
GGRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE
SHT	Surface Hole Temperature	20 DEGC
HRLT-B: High Resolution Laterolog Array - B		
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	21 DEGC
GCSE	Generalized Caliper Selection	BS
GGRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE
KFAC_HRLT	HRLT K Factor Option	SONDE
PROCI NV	Inversion Selection	ON
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO
PROCM SO	Mechanical Standoff Fin Size	0 IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute
PROCSPO	Sonde Position	Centered
SHT	Surface Hole Temperature	20 DEGC
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

BHT	Bottom Hole Temperature (used in calculations)	21	DEGC
CSD1	Inner Casing Outer Diameter	10.75	IN
CSD2	Outer Casing Outer Diameter	10.75	IN
CSW1	Inner Casing Weight	45	LB/F
CSW2	Outer Casing Weight	45	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	BS	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00184813	
HALF	HNGS Alpha Filter Length	60	IN
HCRR	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
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	
SHT	Surface Hole Temperature	20	DEGC
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.990521	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.00375	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	21	DEGC
GCSE	Generalized Caliper Selection	BS	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	20	DEGC
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.32	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	5345	M

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 06-Apr-2017 20:17

OP System Version: 19C0-187

DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	Flip_DSI_HRLA_LDL_029LUP	PRODUCER	06-Apr-2017 18:02	4944.5 M	3717.0 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_036PUP	FN:47	PRODUCER	06-Apr-2017 20:17
BACKUP	DSI_HRLA_LDL_NGS_036PUP	FN:48	PRODUCER	06-Apr-2017 20:17

Company: International Ocean Discovery Program Well: Expedition 367, Site U1500B

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_030LUP	FN:35	PRODUCER	06-Apr-2017 18:03	4930.9 M	3798.9 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_038PUP	FN:51	PRODUCER	06-Apr-2017 20:24	4930.9 M	3798.9 M
BACKUP	DSI_HRLA_LDL_NGS_038PUP	FN:52	PRODUCER	06-Apr-2017 20:24	4930.9 M	3798.9 M

OP System Version: 19C0-187

DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

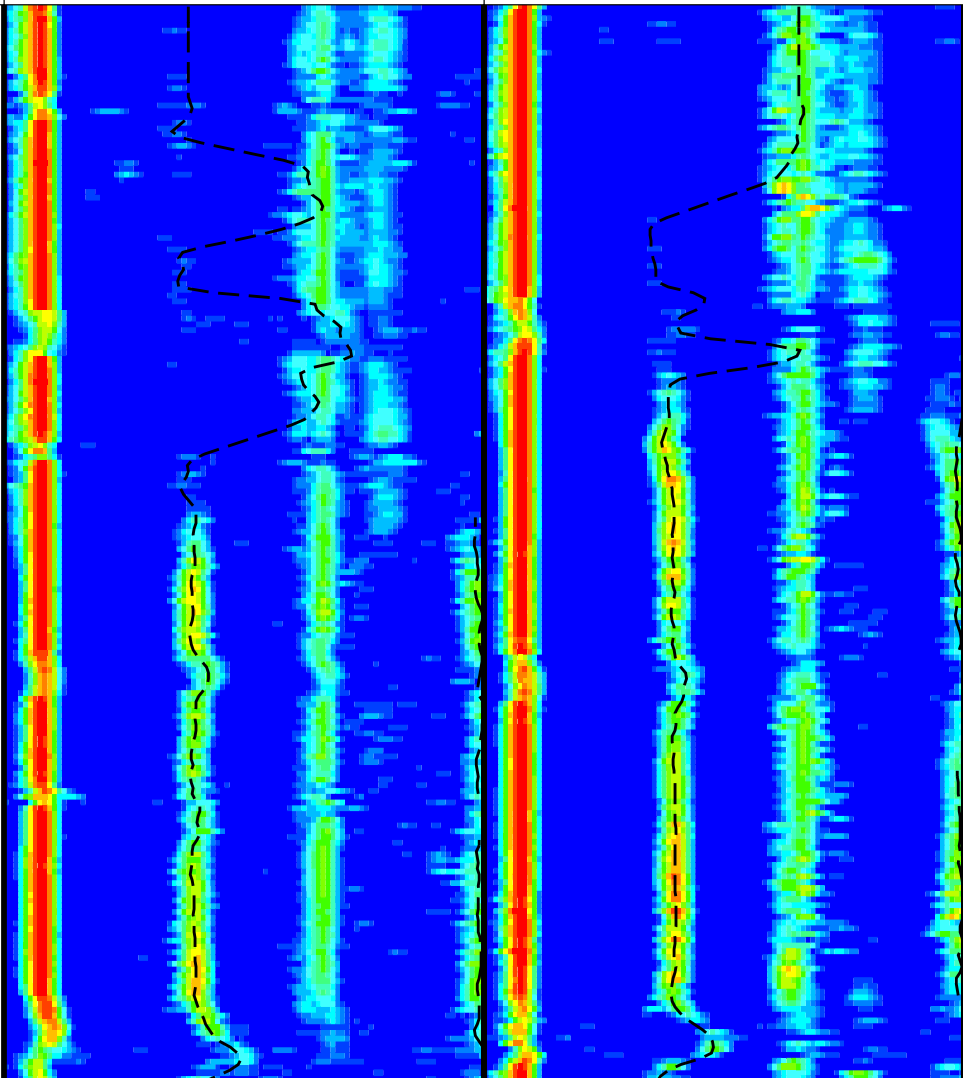
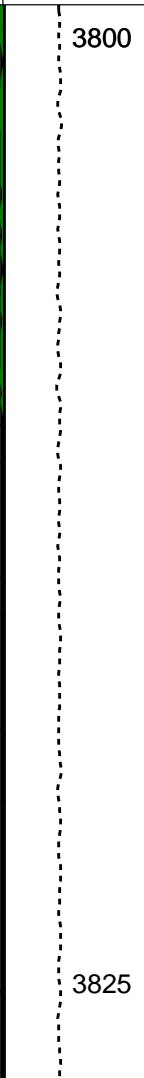
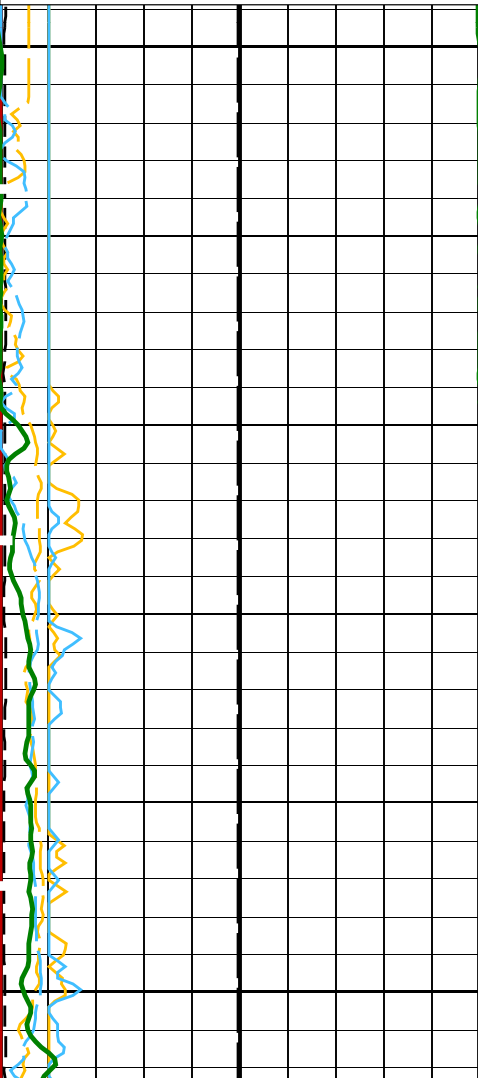
Time Mark Every 60 S

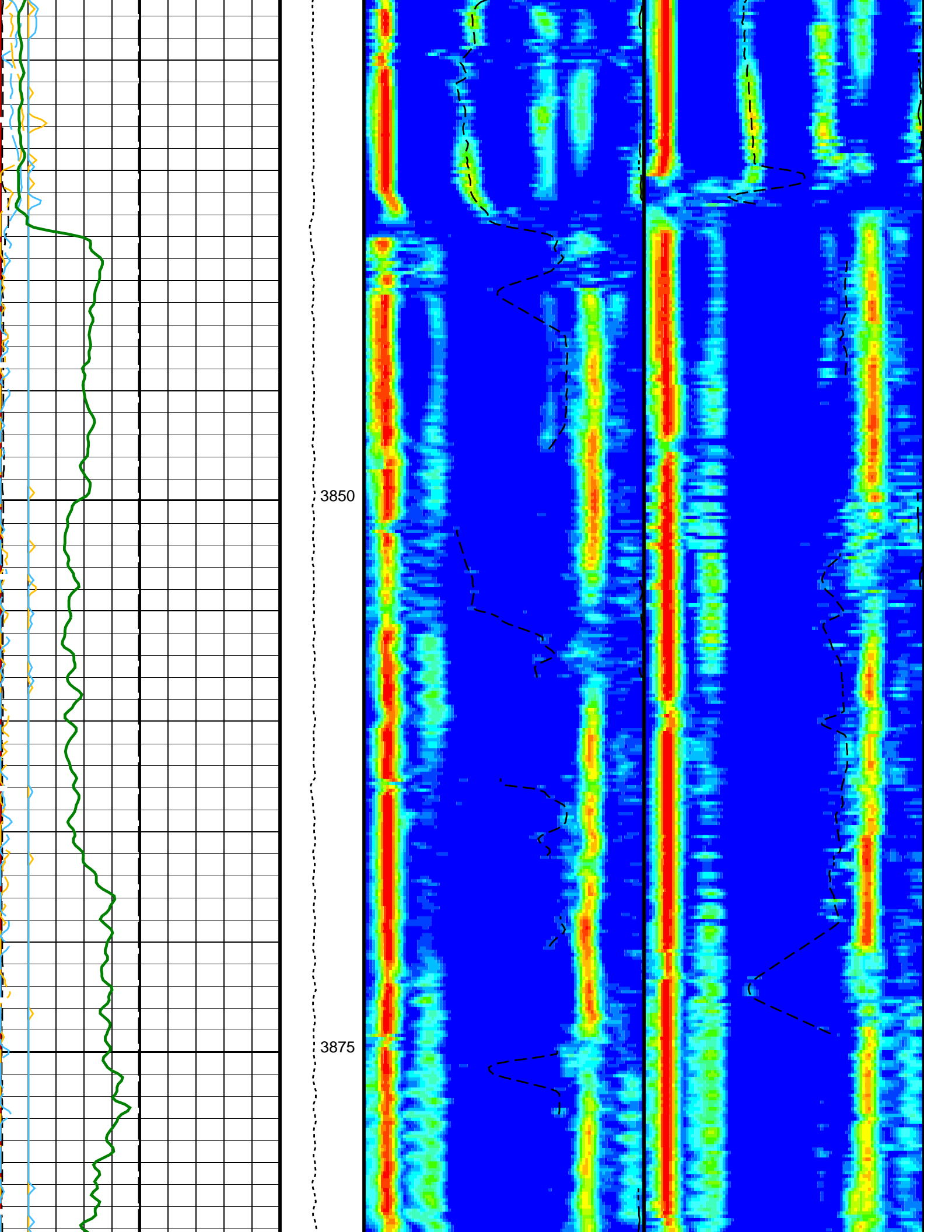
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - P & S Shear (CHTS)		
-1	(----)	9
Peak Coherence / RA - P & S Shear (CHRS)		
-1	(----)	9
Peak Coherence / TA - P & S Comp (CHTP)		
0	(----)	10
Peak Coherence / RA - P & S Comp (CHRP)		
0	(----)	10
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)		
0	(----)	10
SAM4 Waveform Gain (WFG4)		
0	(----)	1000

Min	Amplitude	Max	Min	Amplitude	Max
40	Tr.Array P&S Slow Proj. CVDL (SPT4)	240	40	Rec.Array P&S Slow Proj. CVDL (SPR4)	240
	(US/F)			(US/F)	
40	Delta-T Shear / TA - P & S (DTTS)	240	40	Delta-T Shear / RA - P & S (DTRS)	240
	(US/F)			(US/F)	
40	Delta-T Comp / TA - P & S (DTTP)	240	40	Delta-T Comp / RA - P & S (DTRP)	240
	(US/F)			(US/F)	

0	Bit Size (BS)	20
	(IN)	

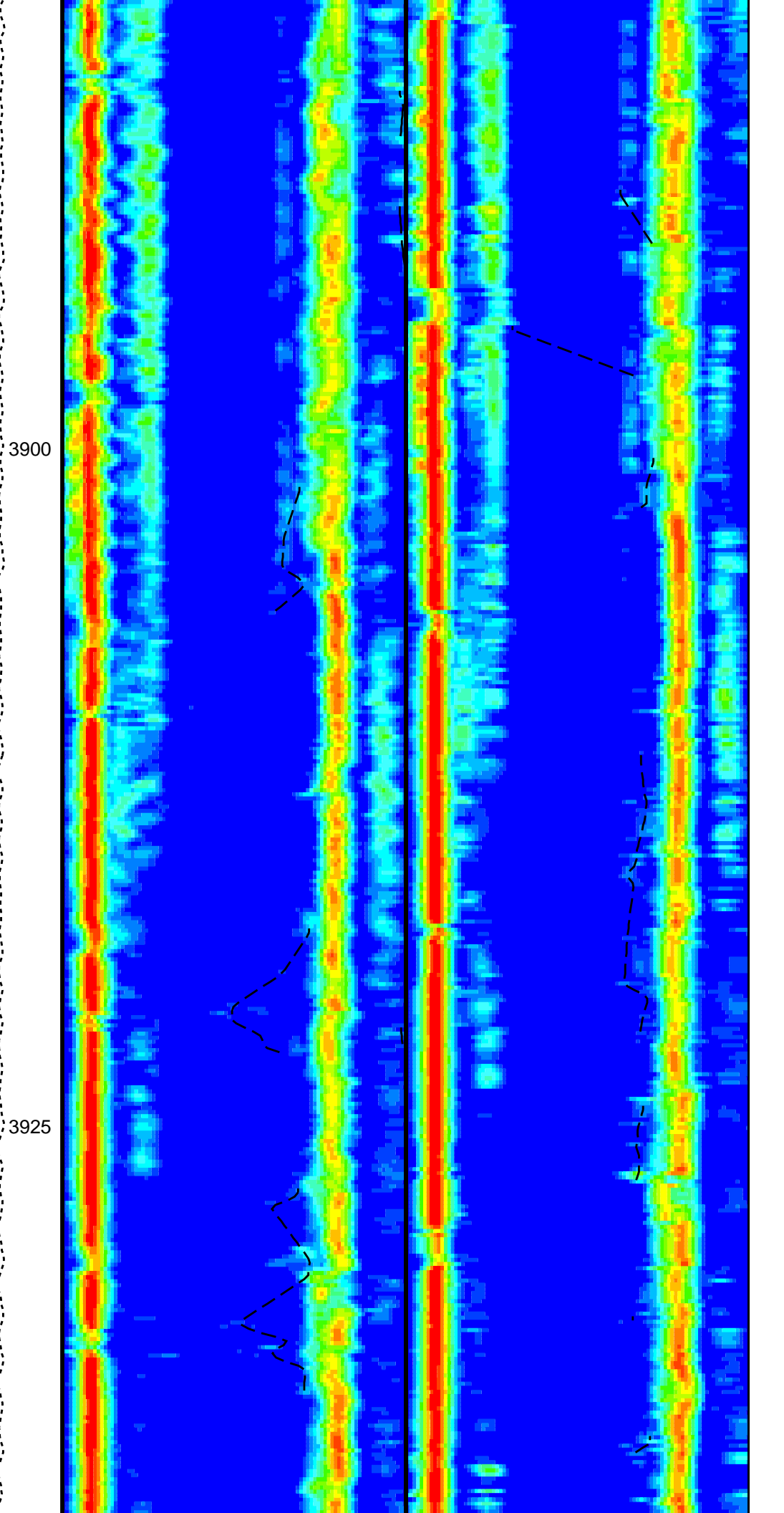
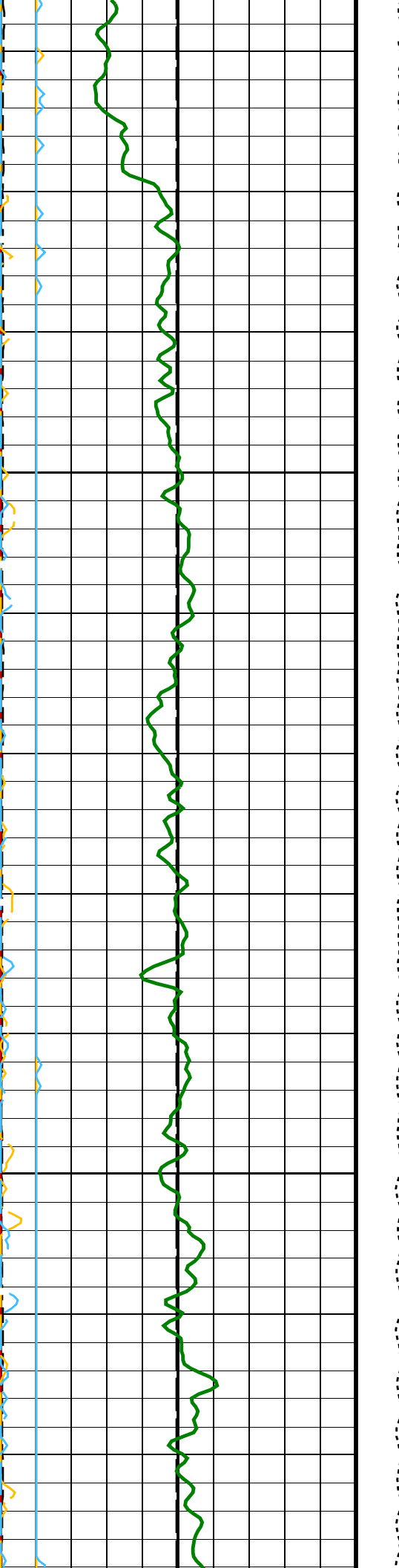
Tension (TENS)	(LBF)
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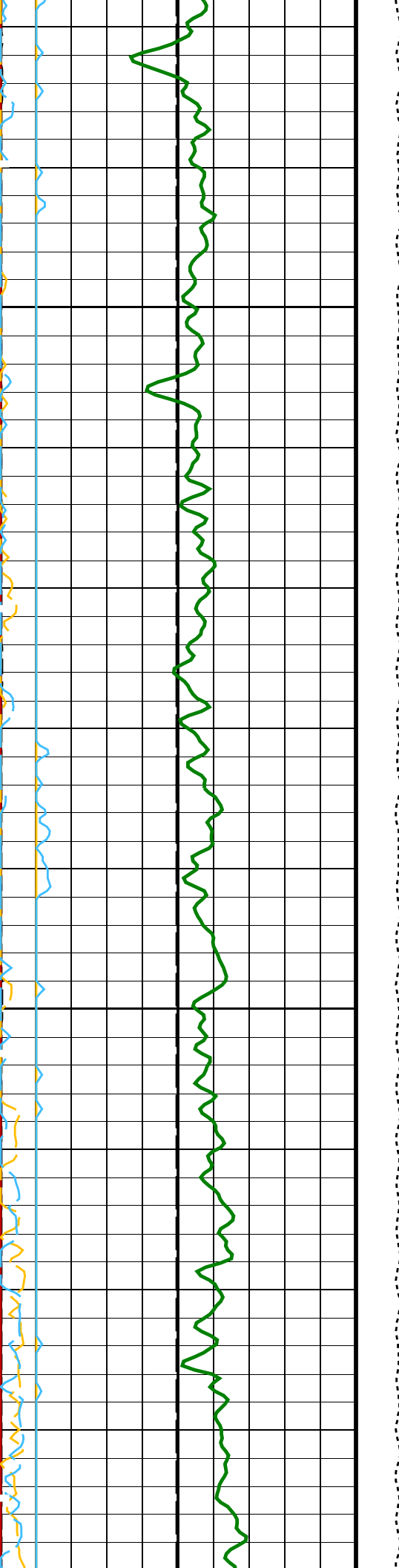




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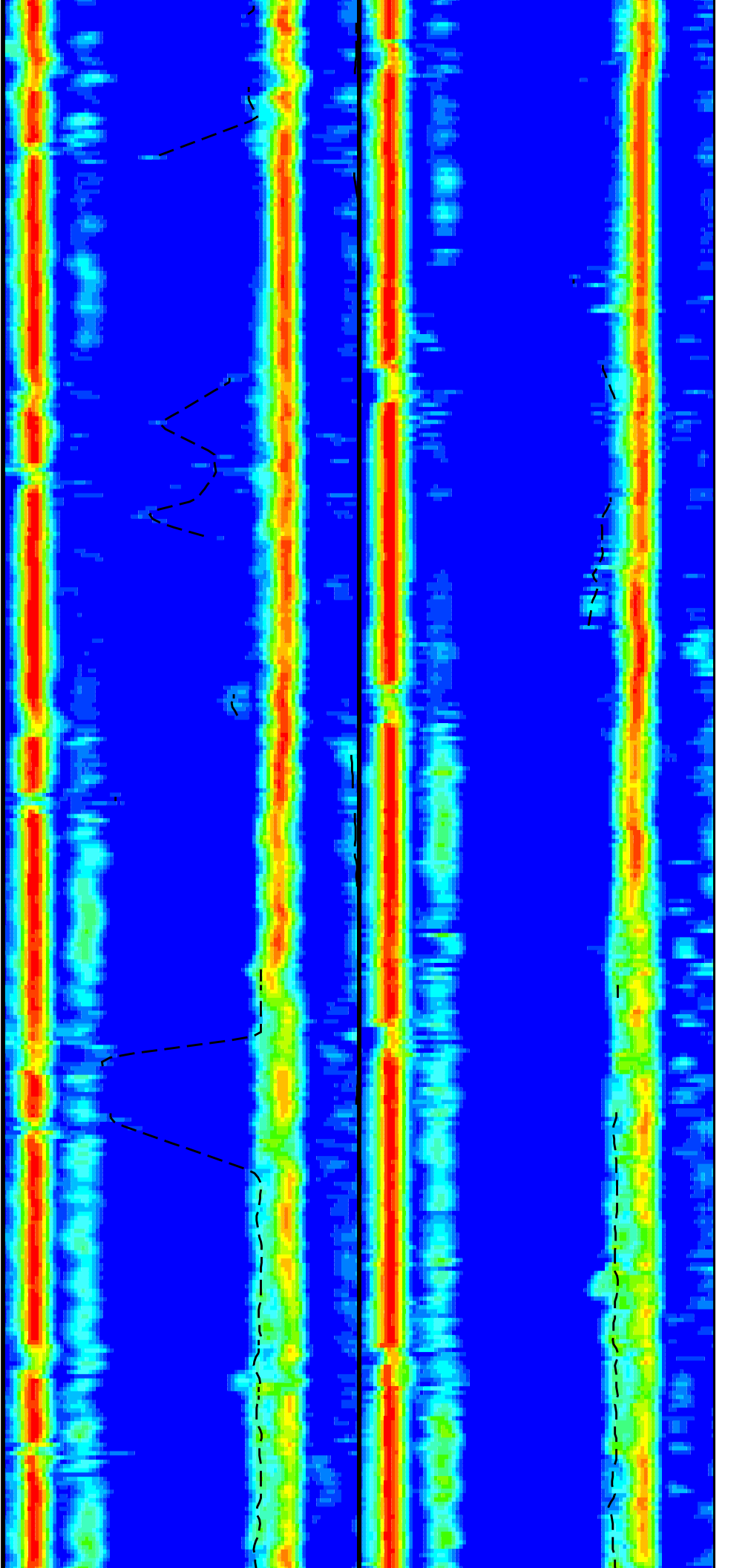
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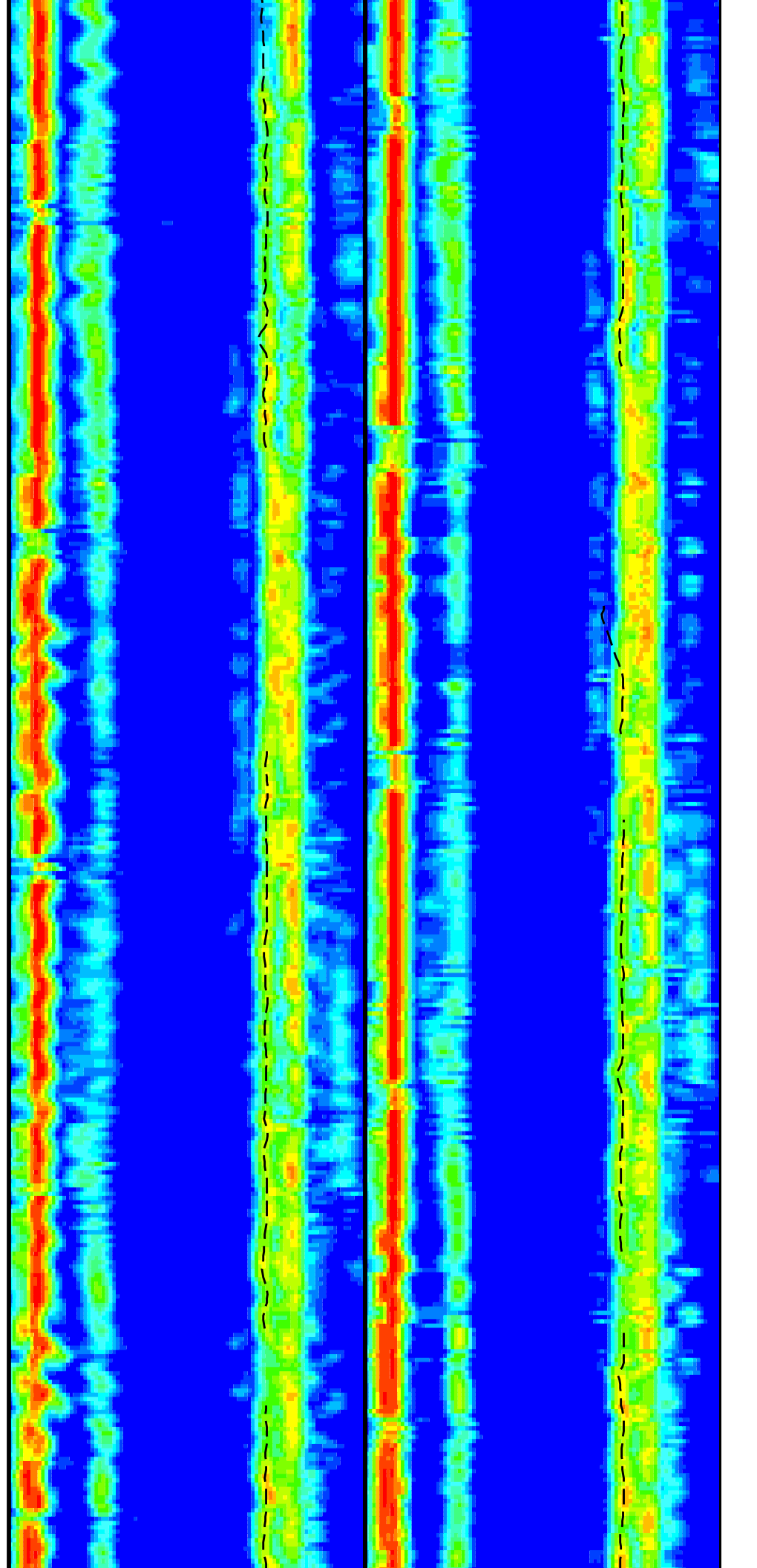
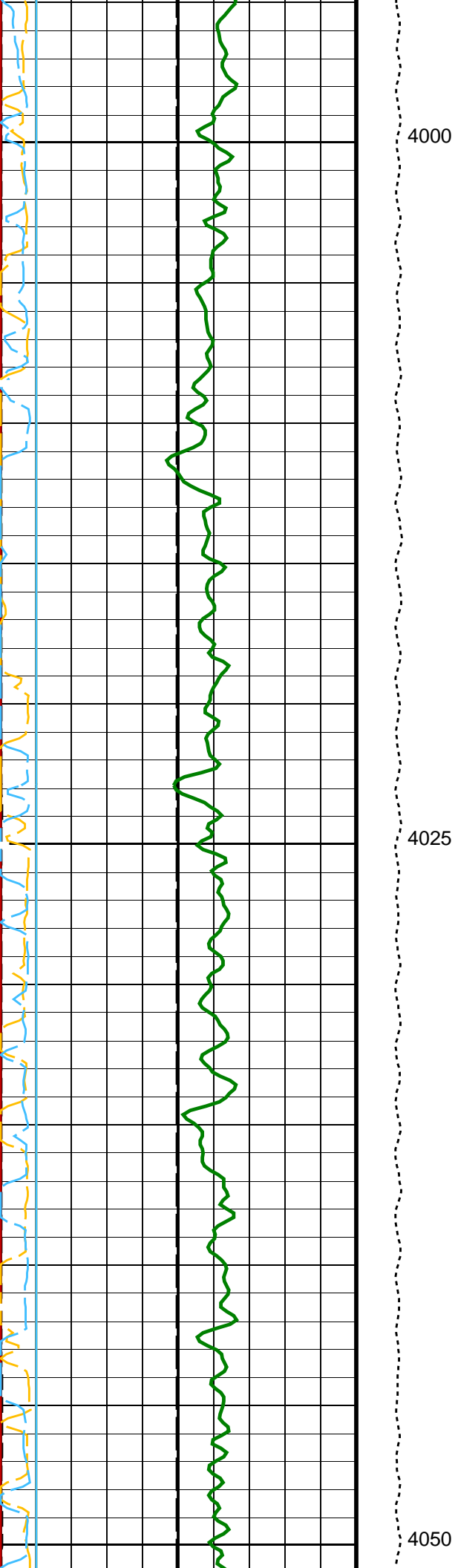


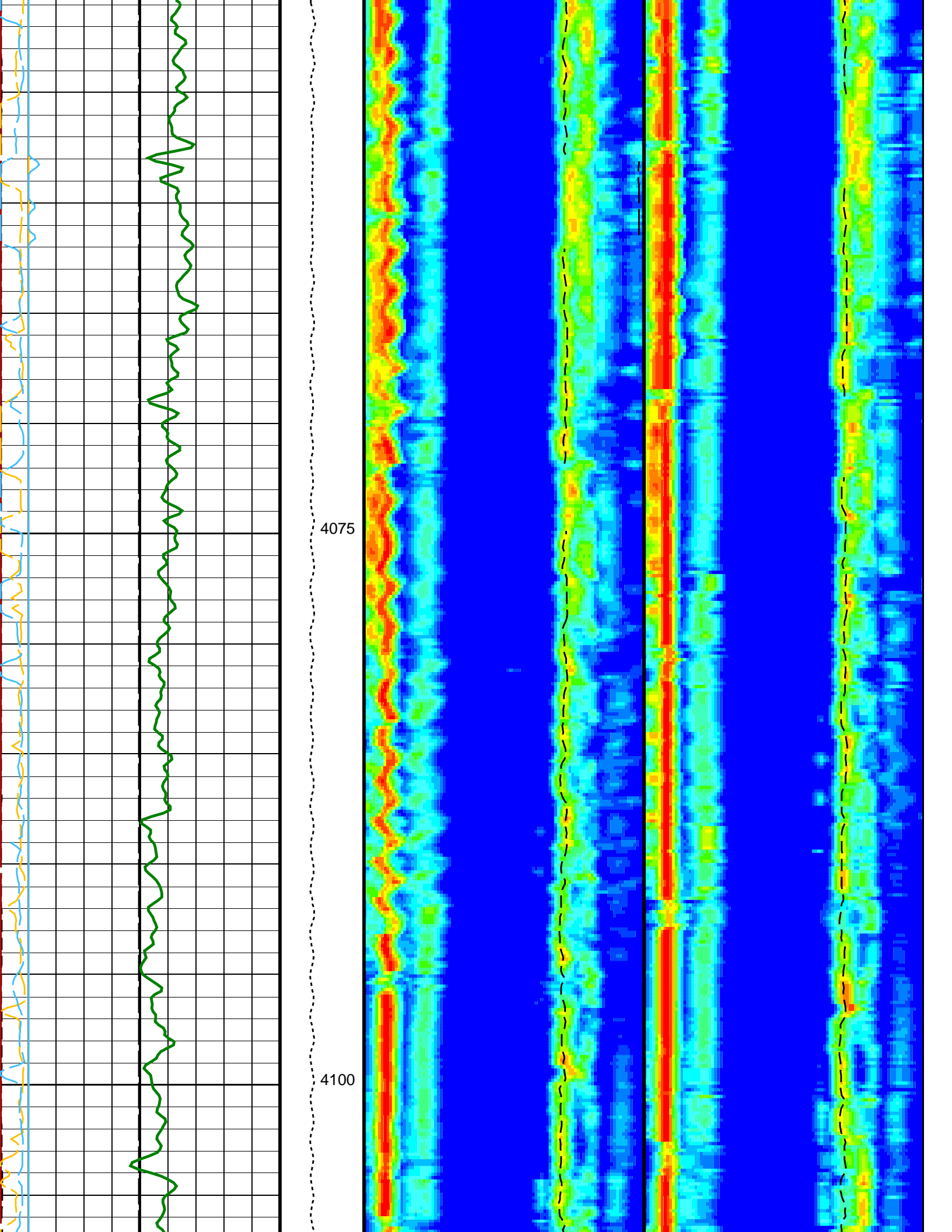


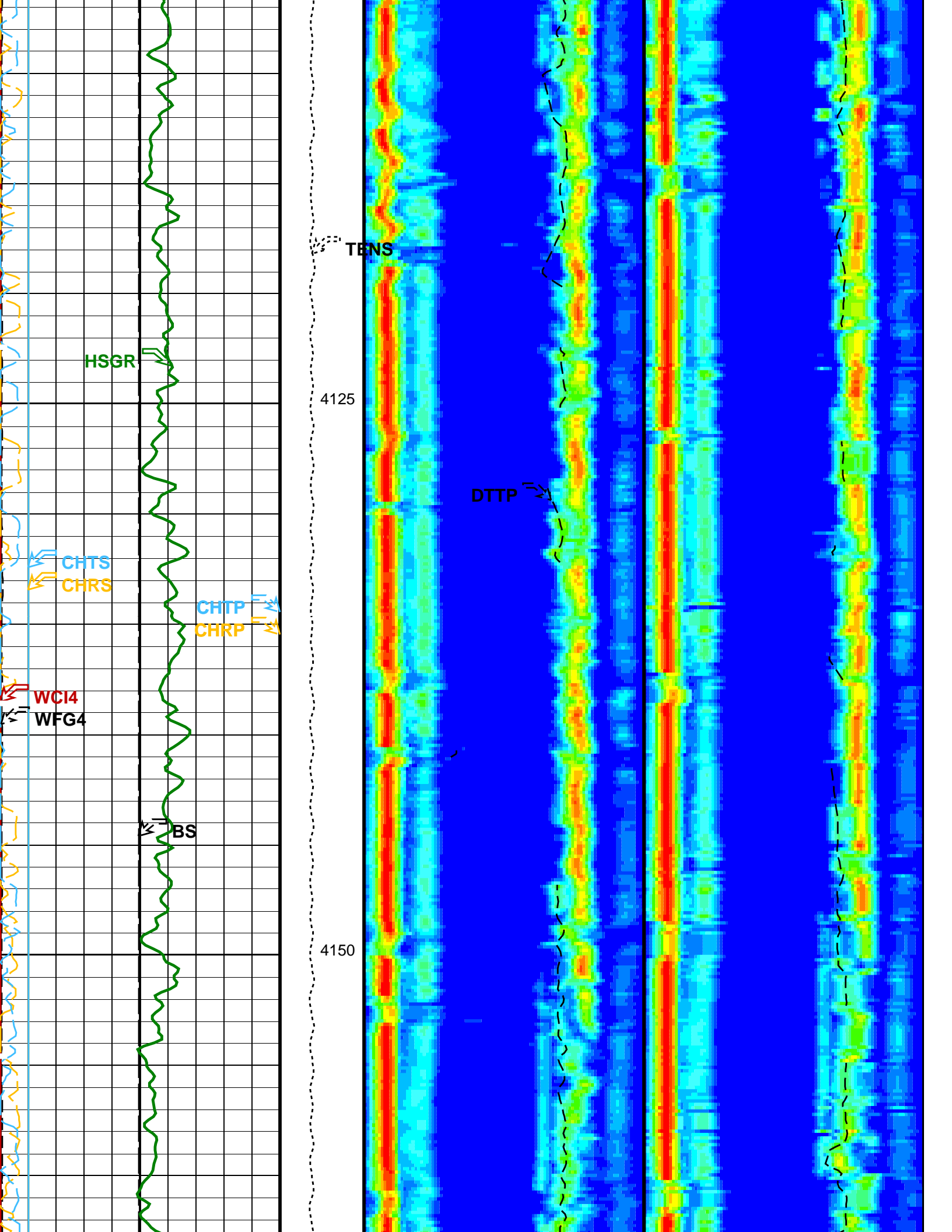
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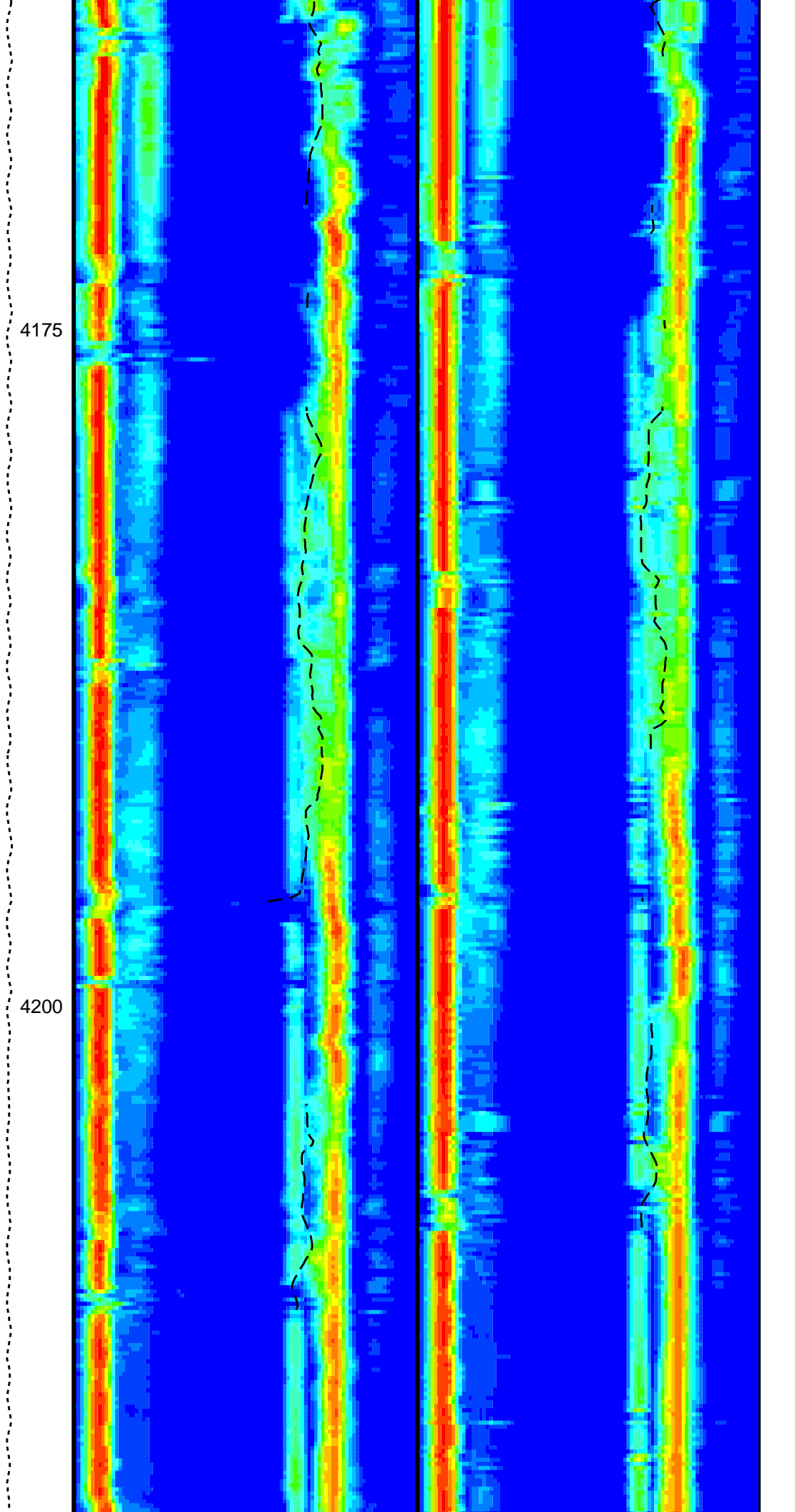
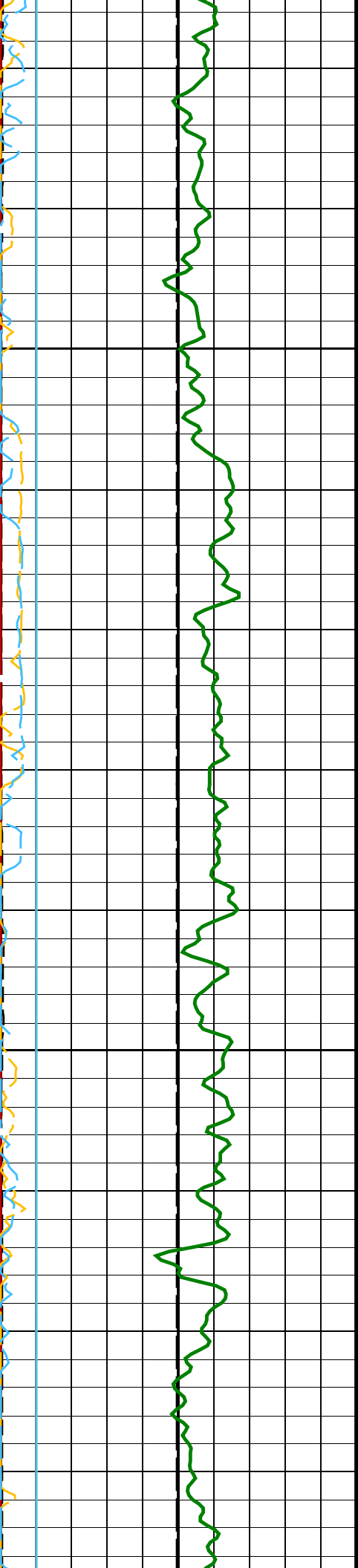
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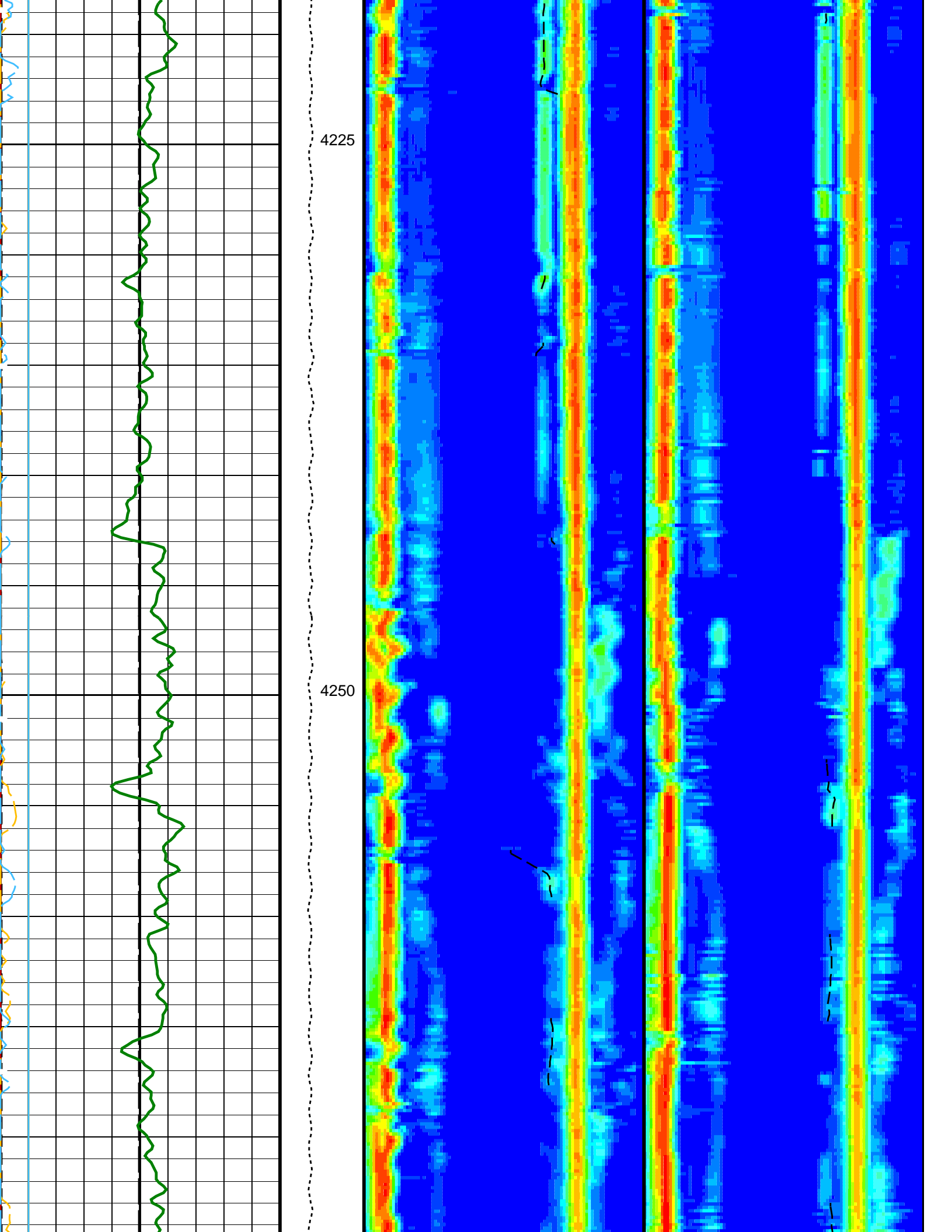


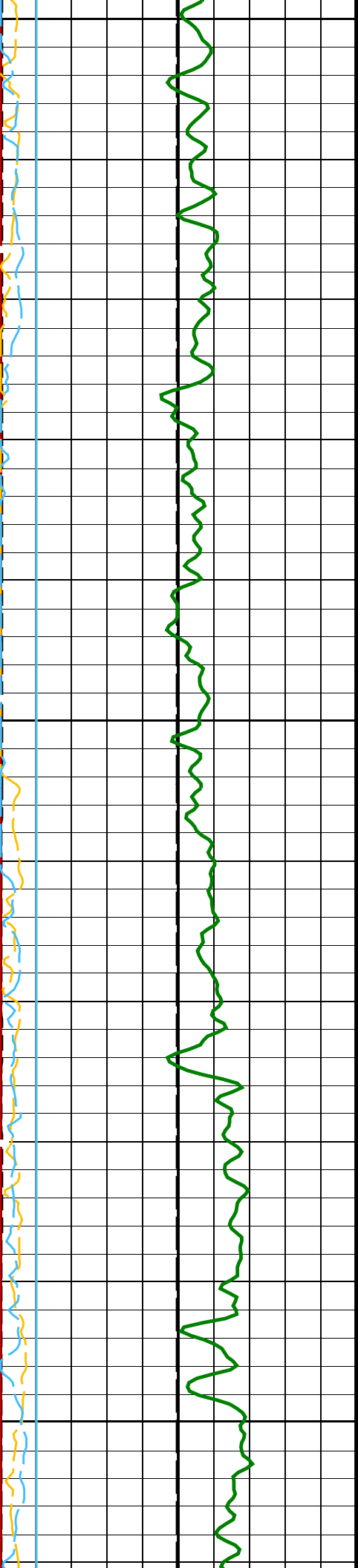








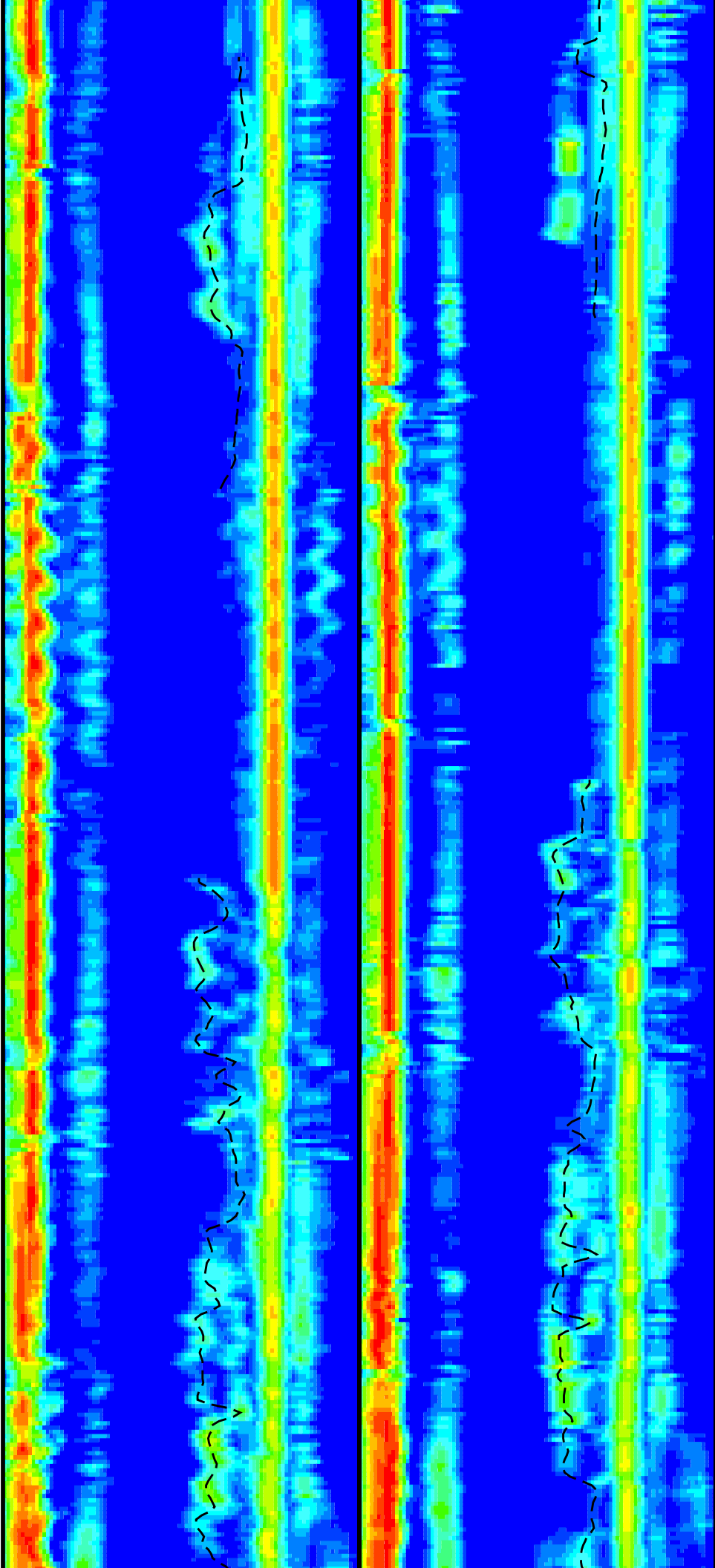


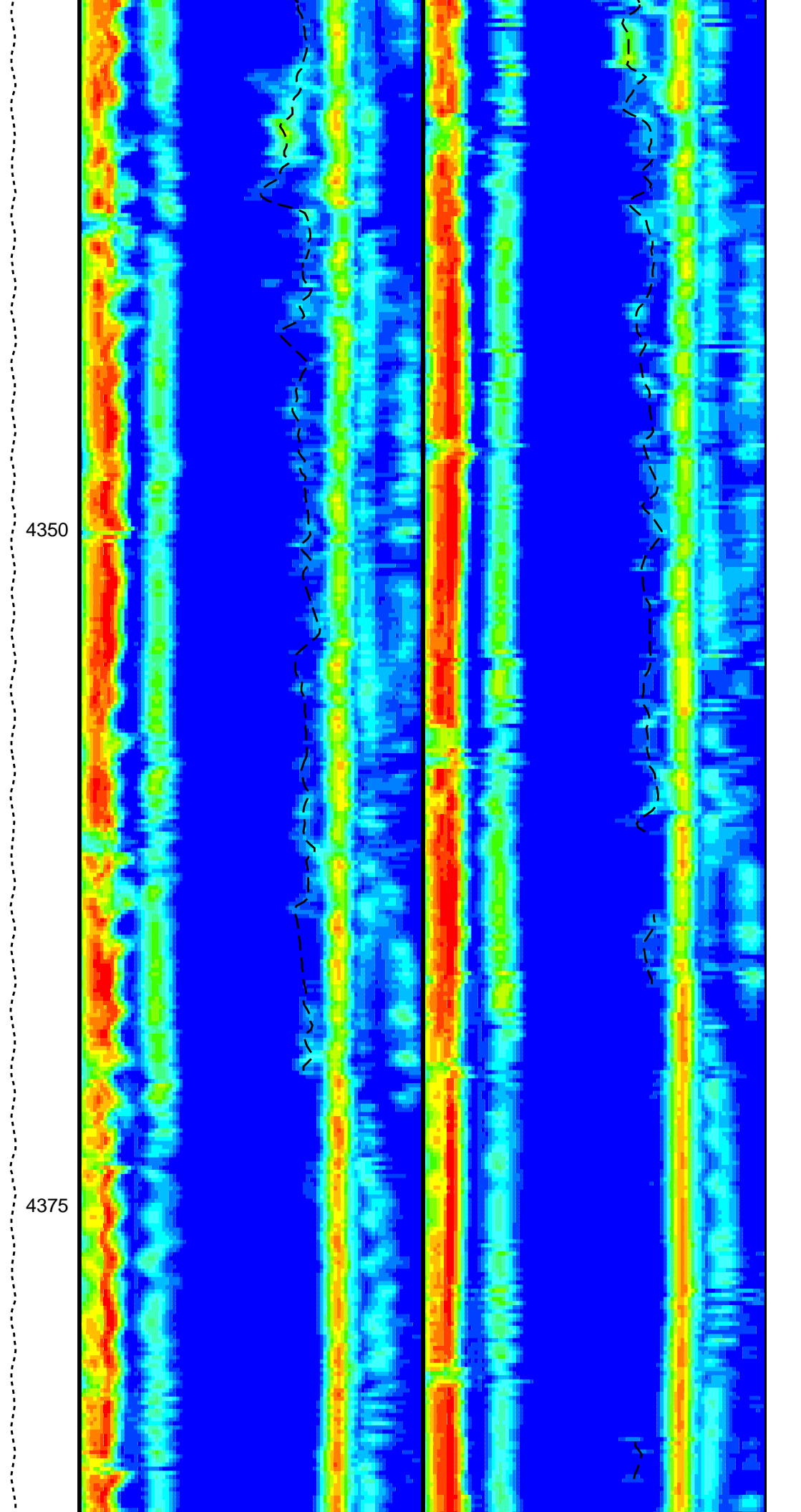
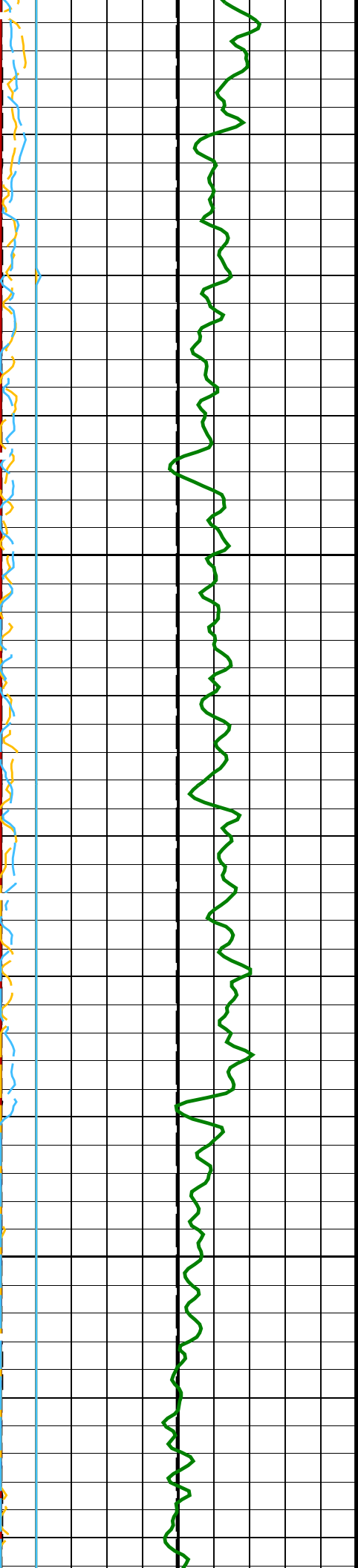


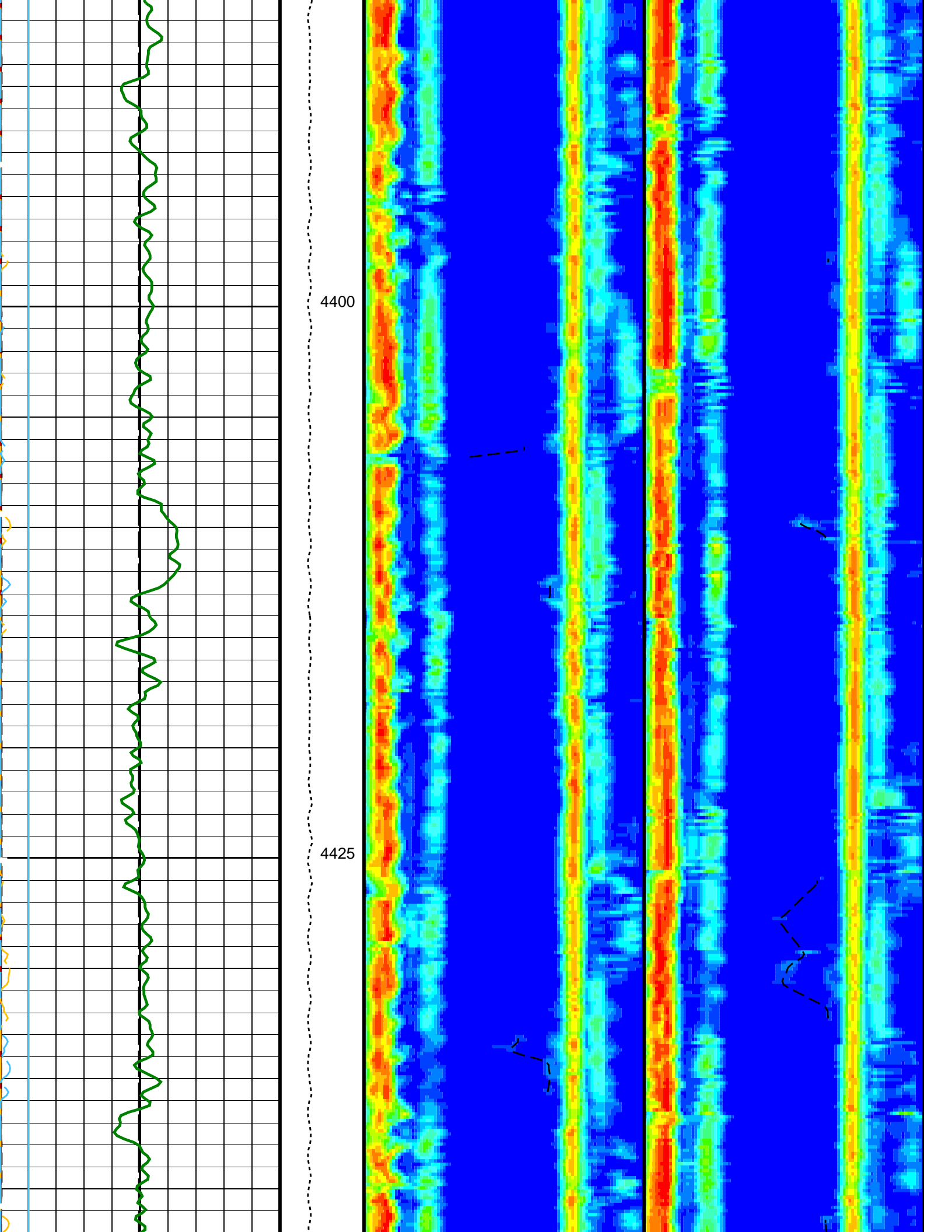
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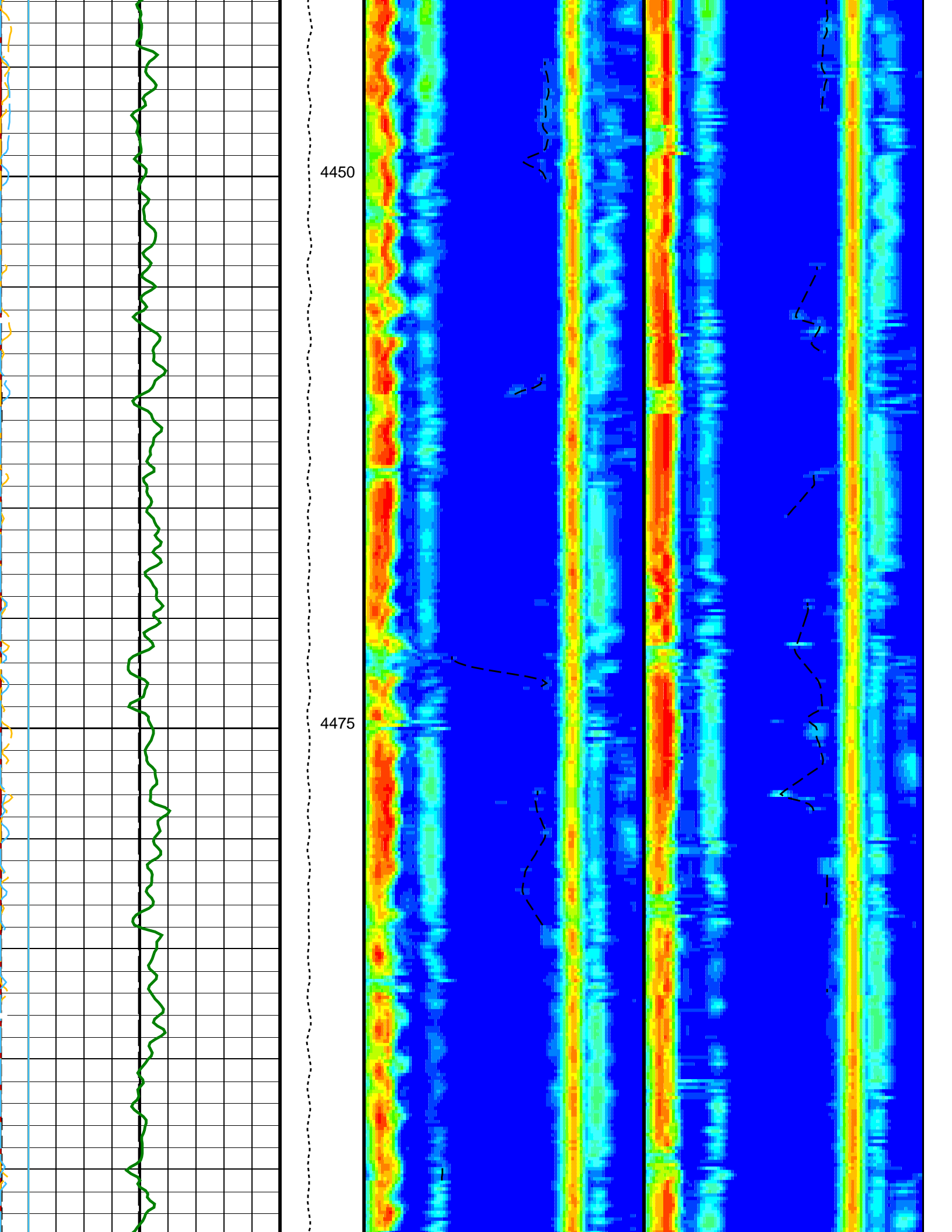
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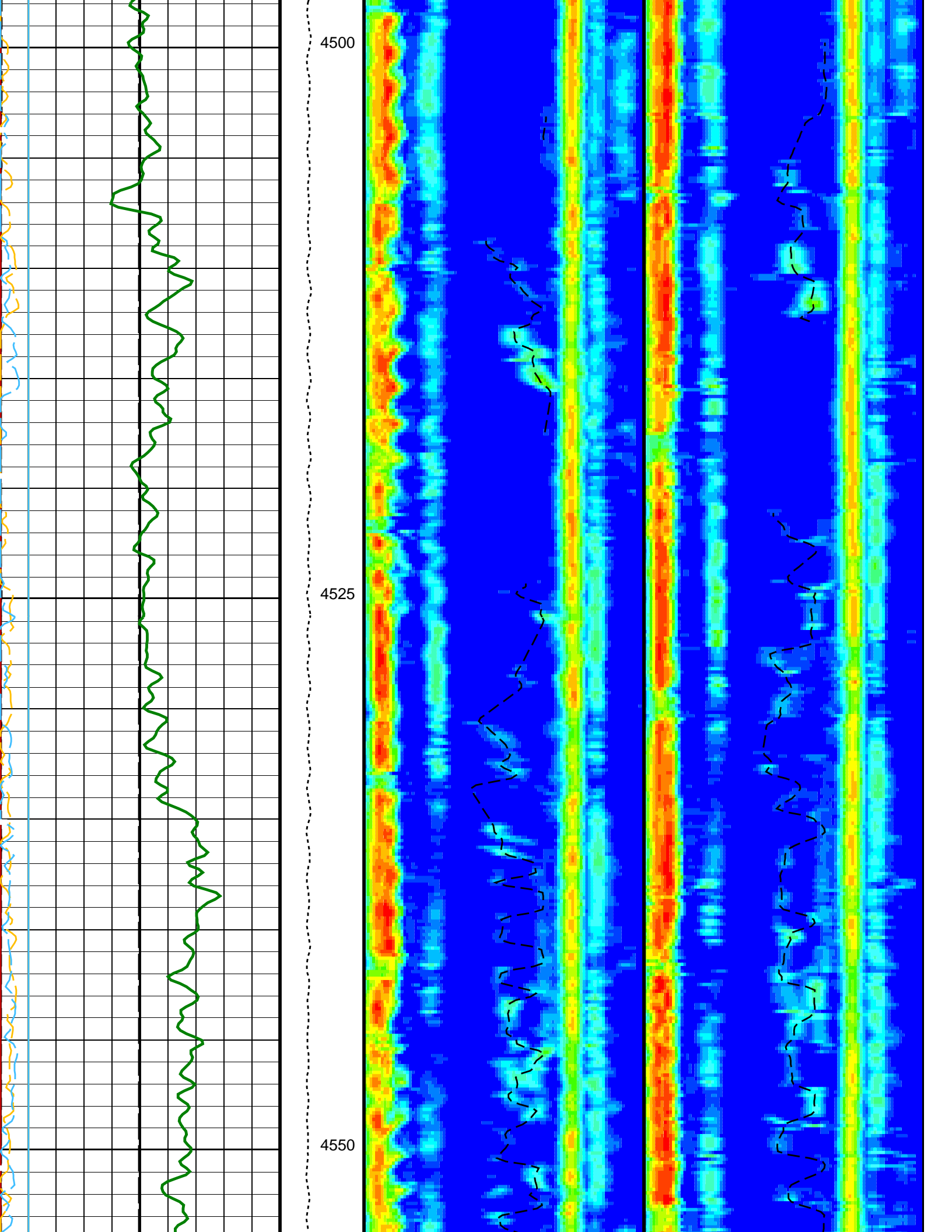
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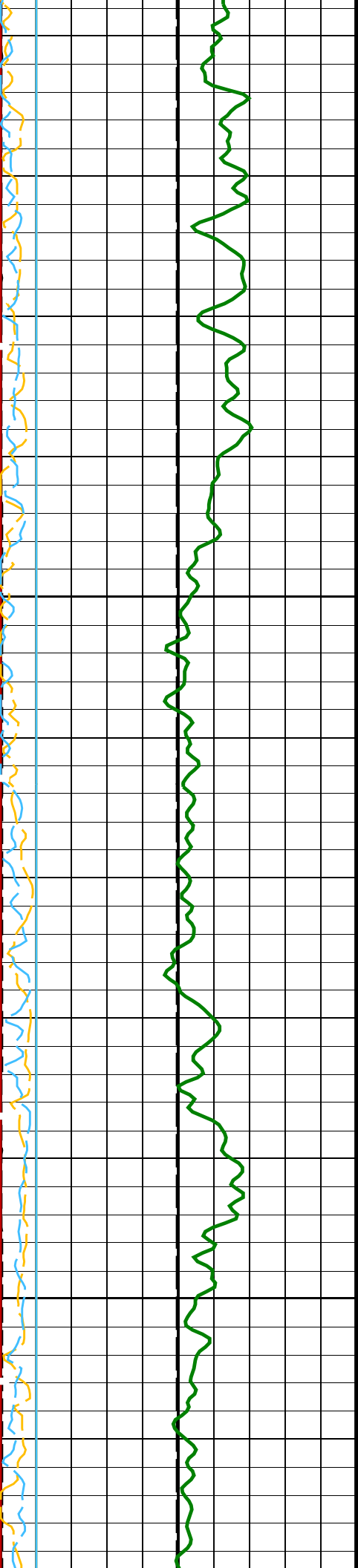






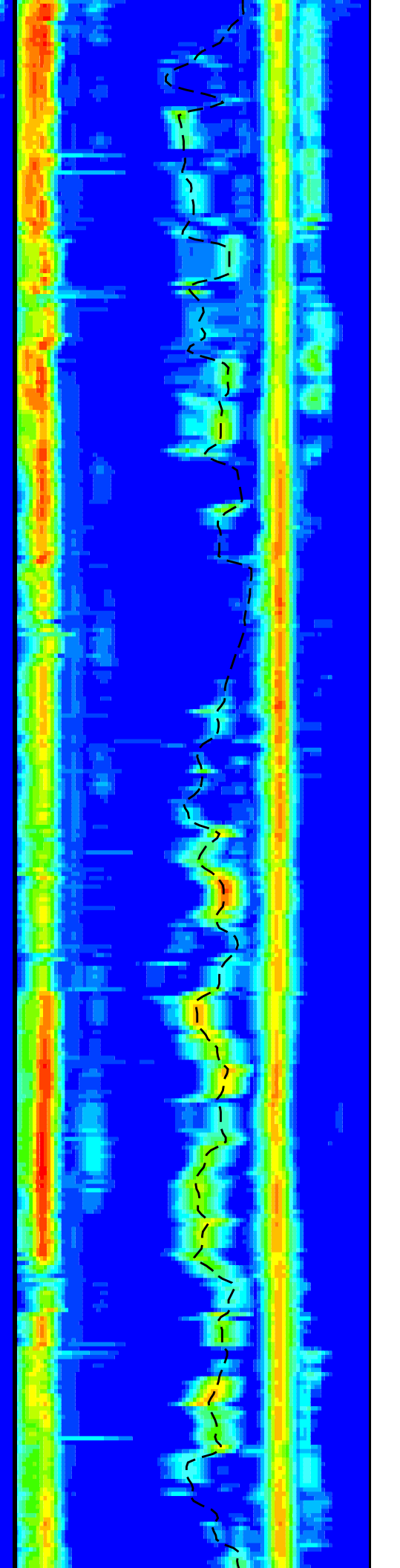
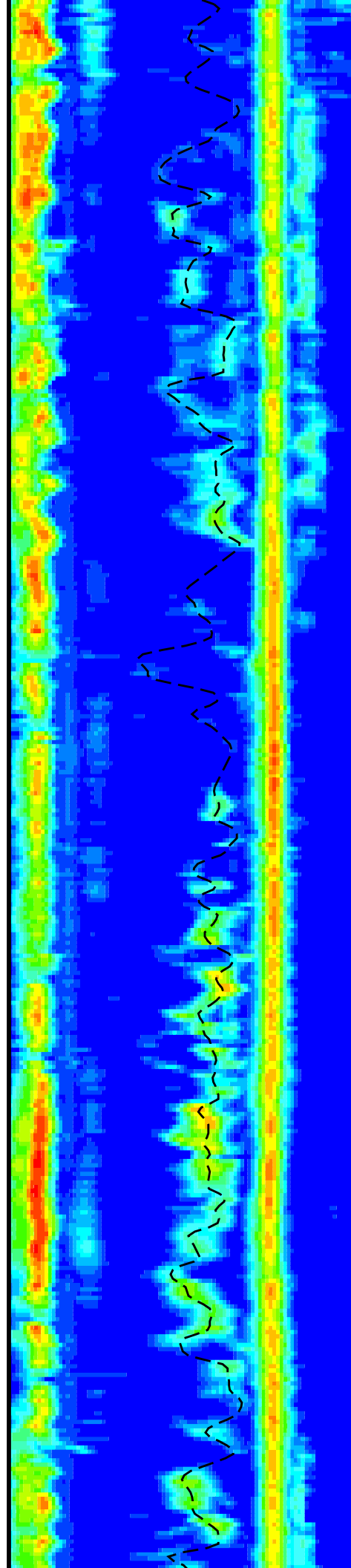


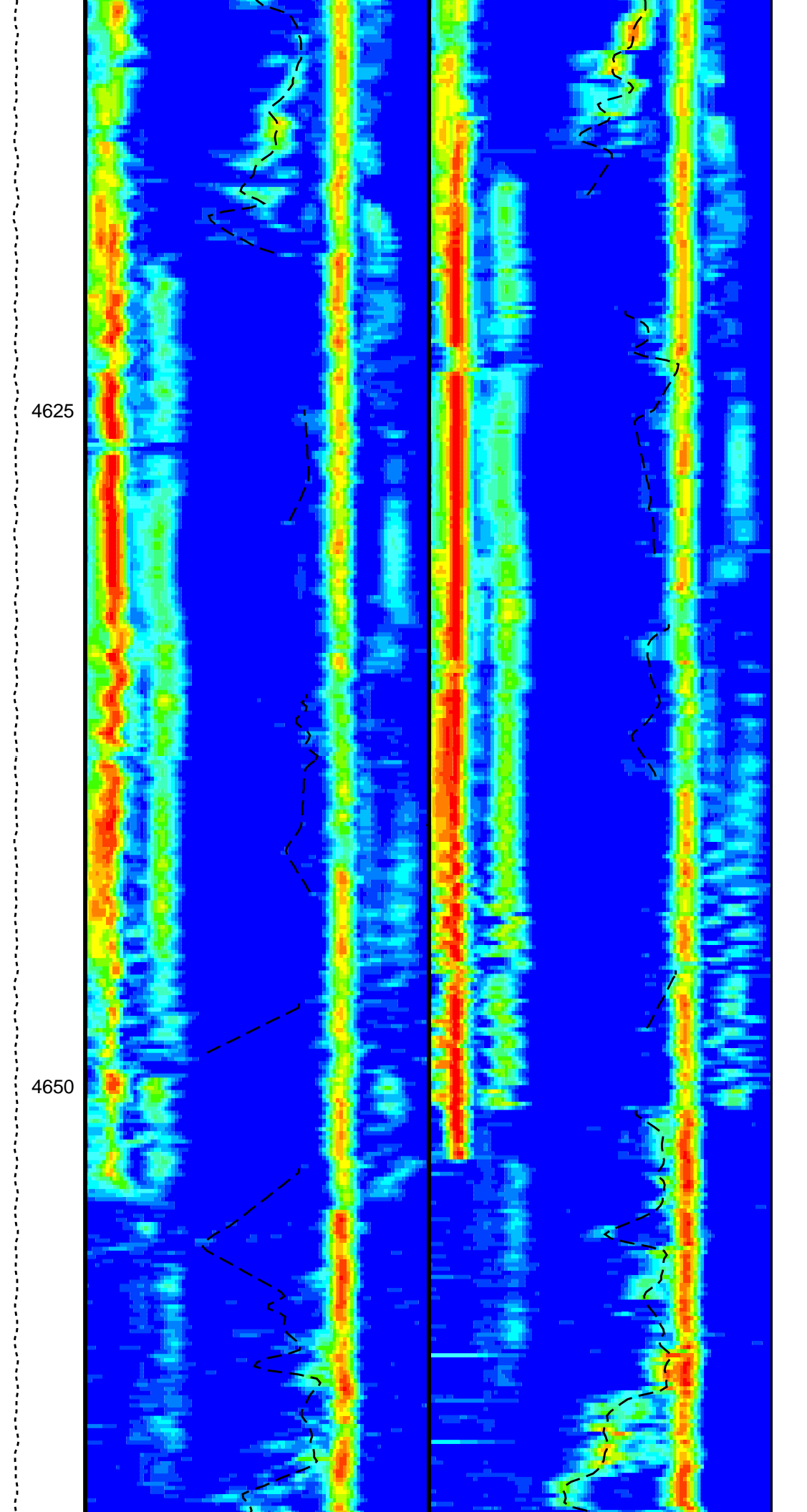
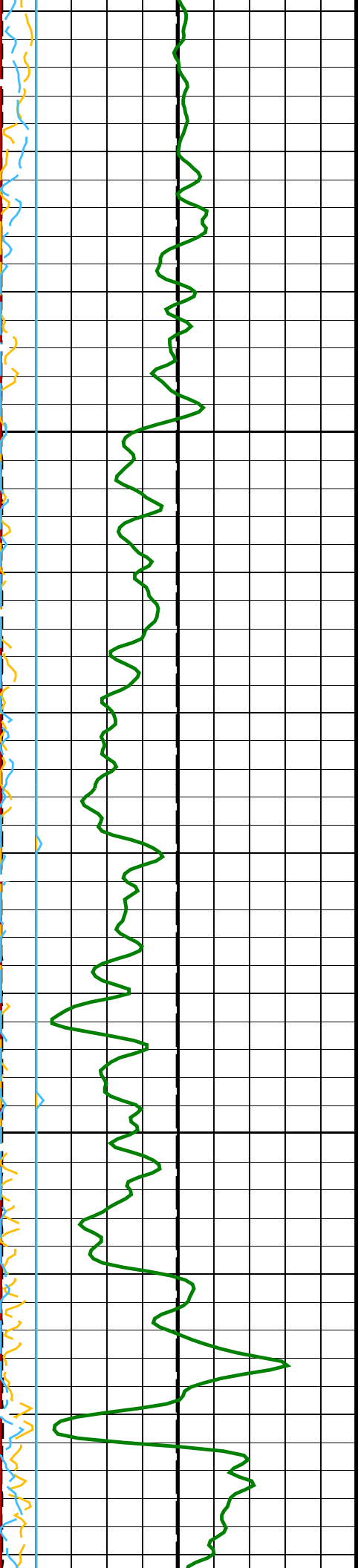


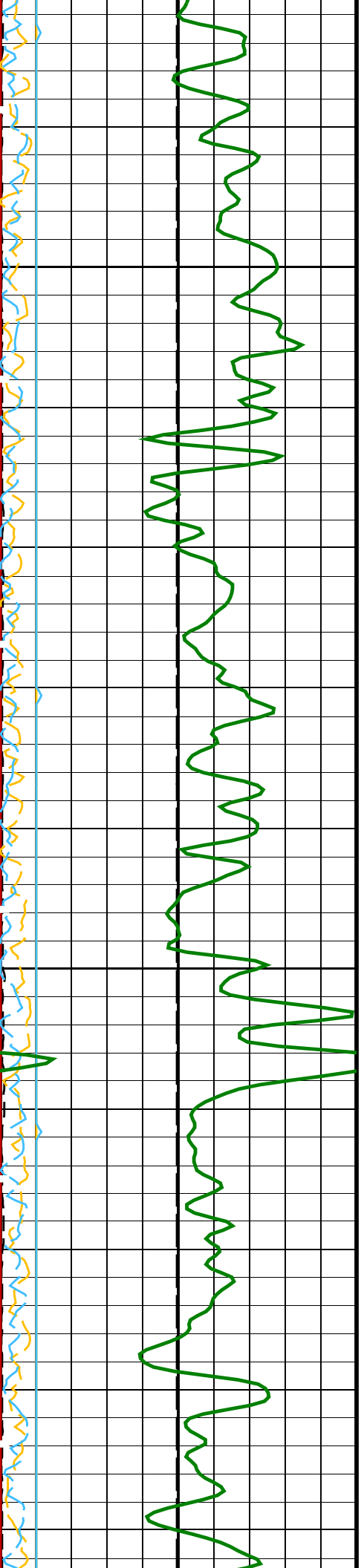


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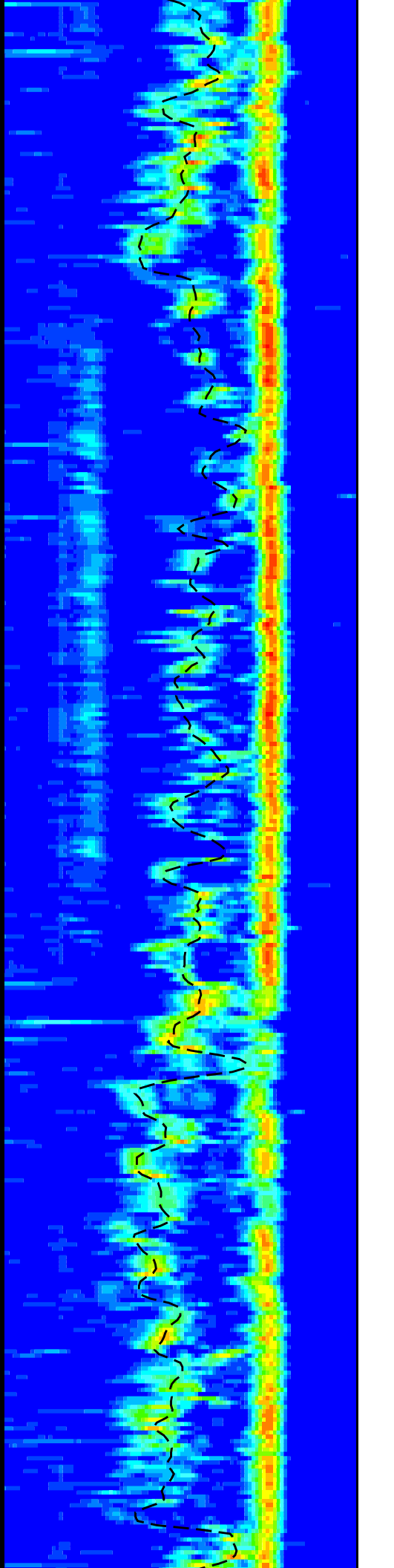
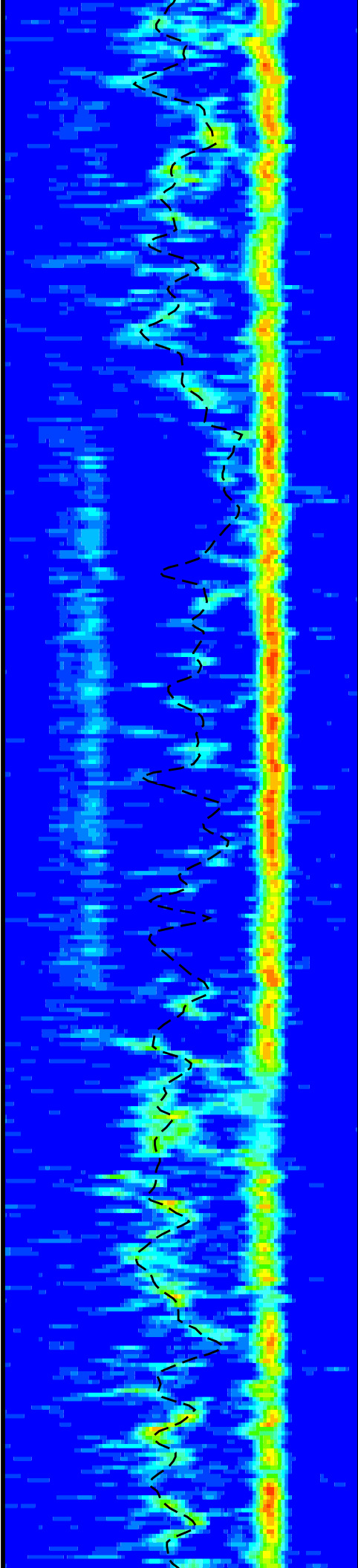


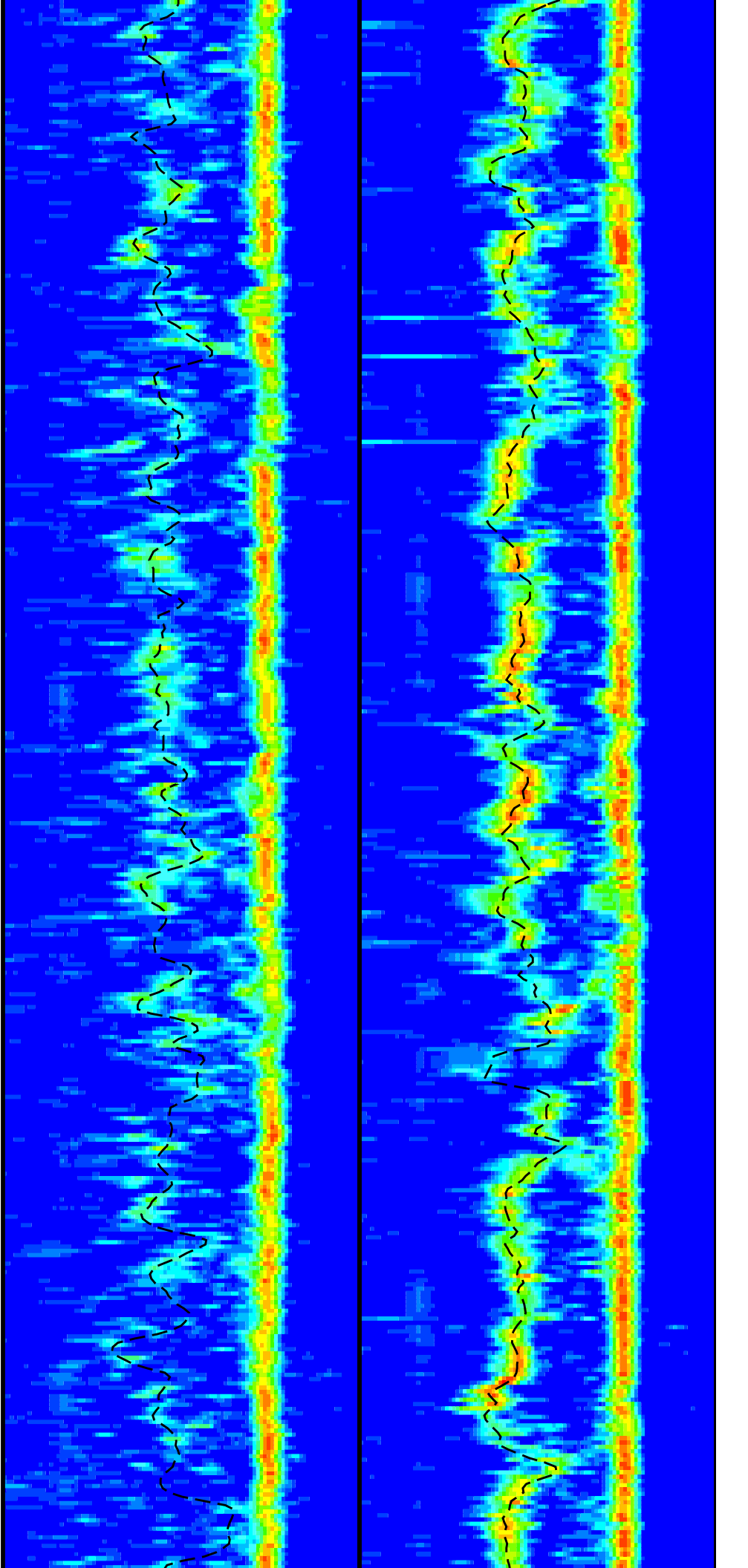
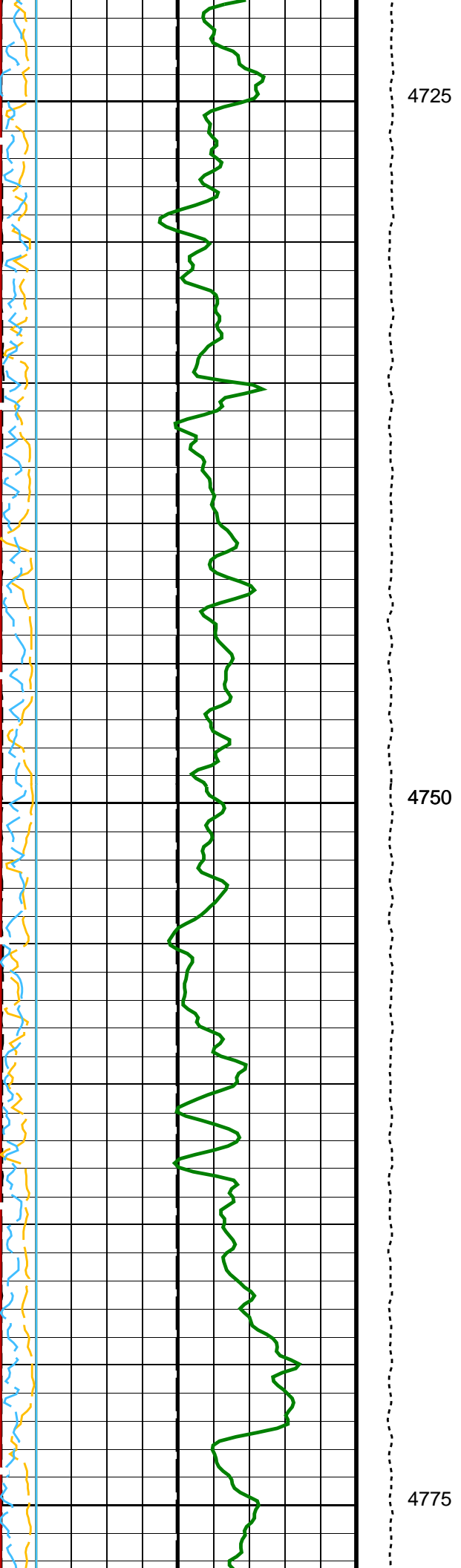


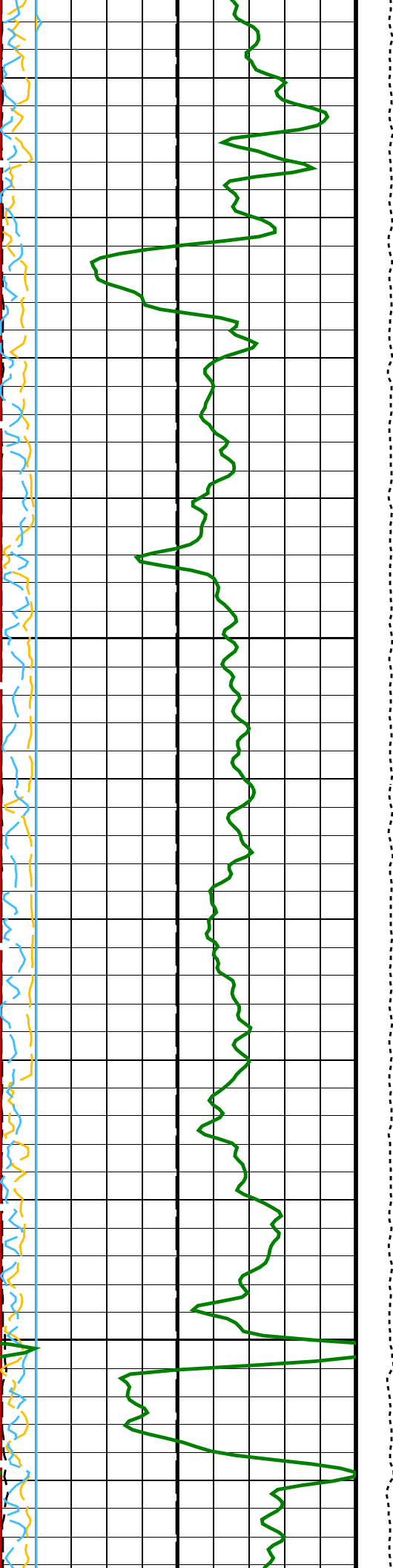


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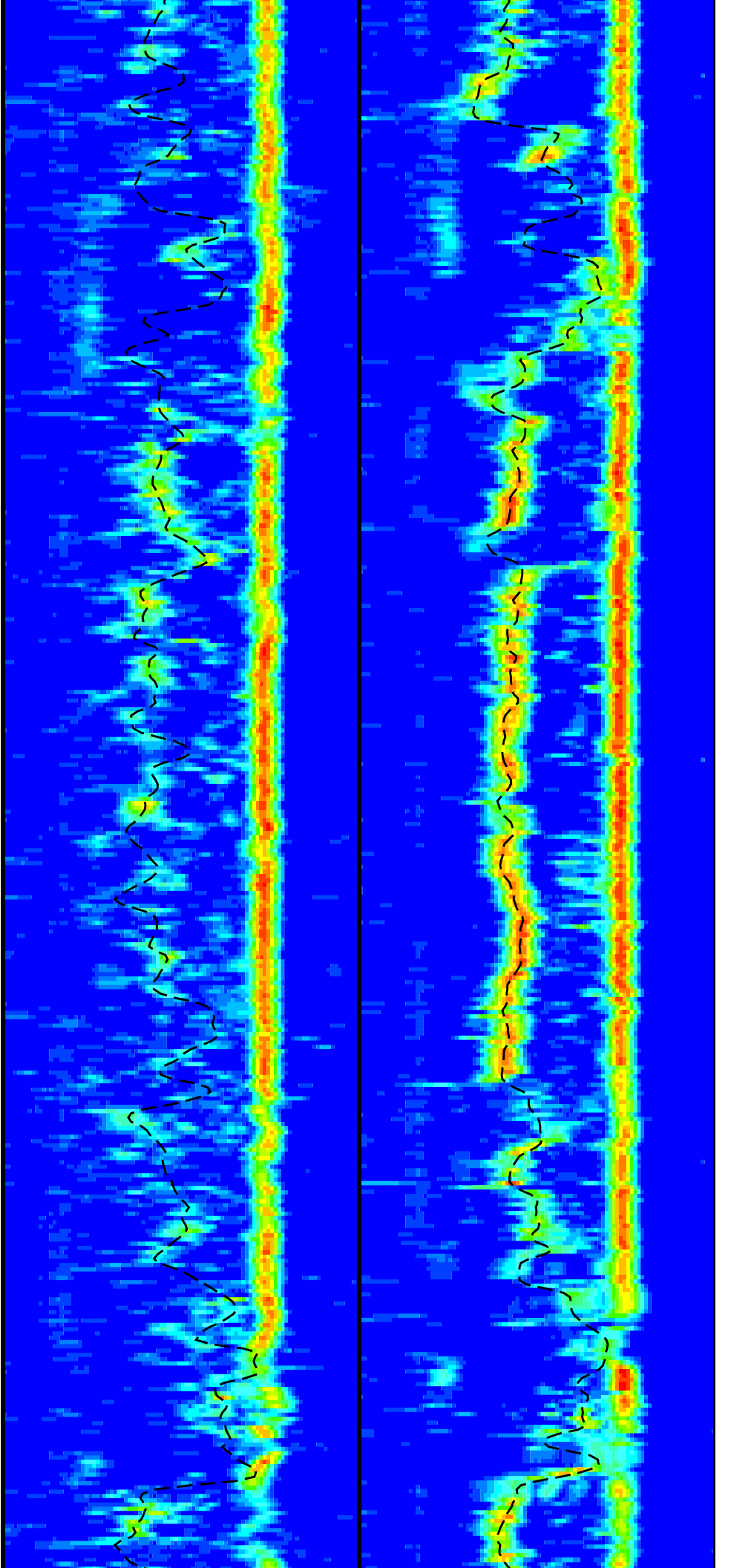


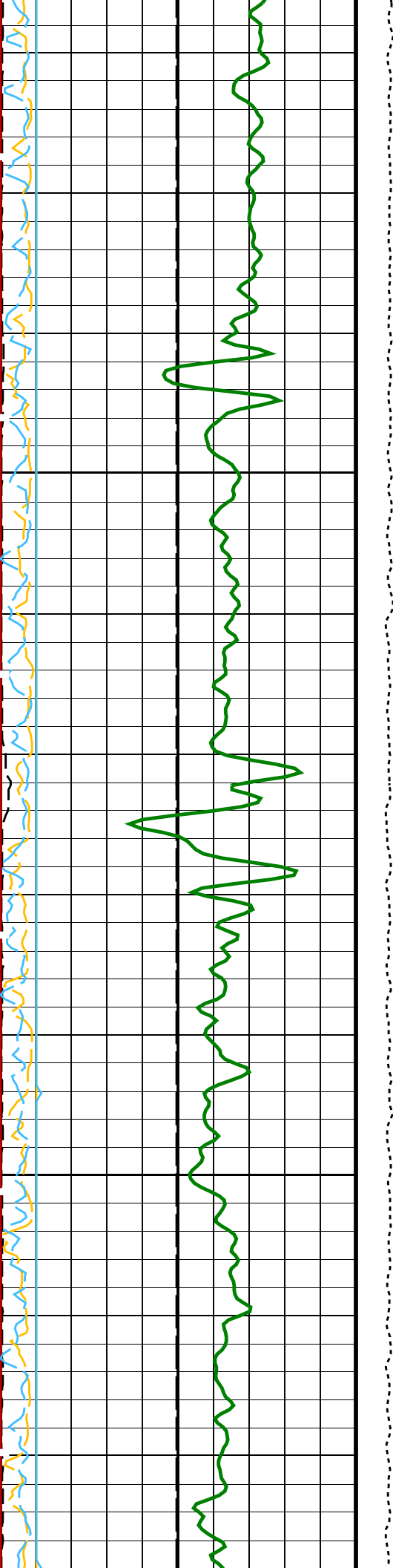




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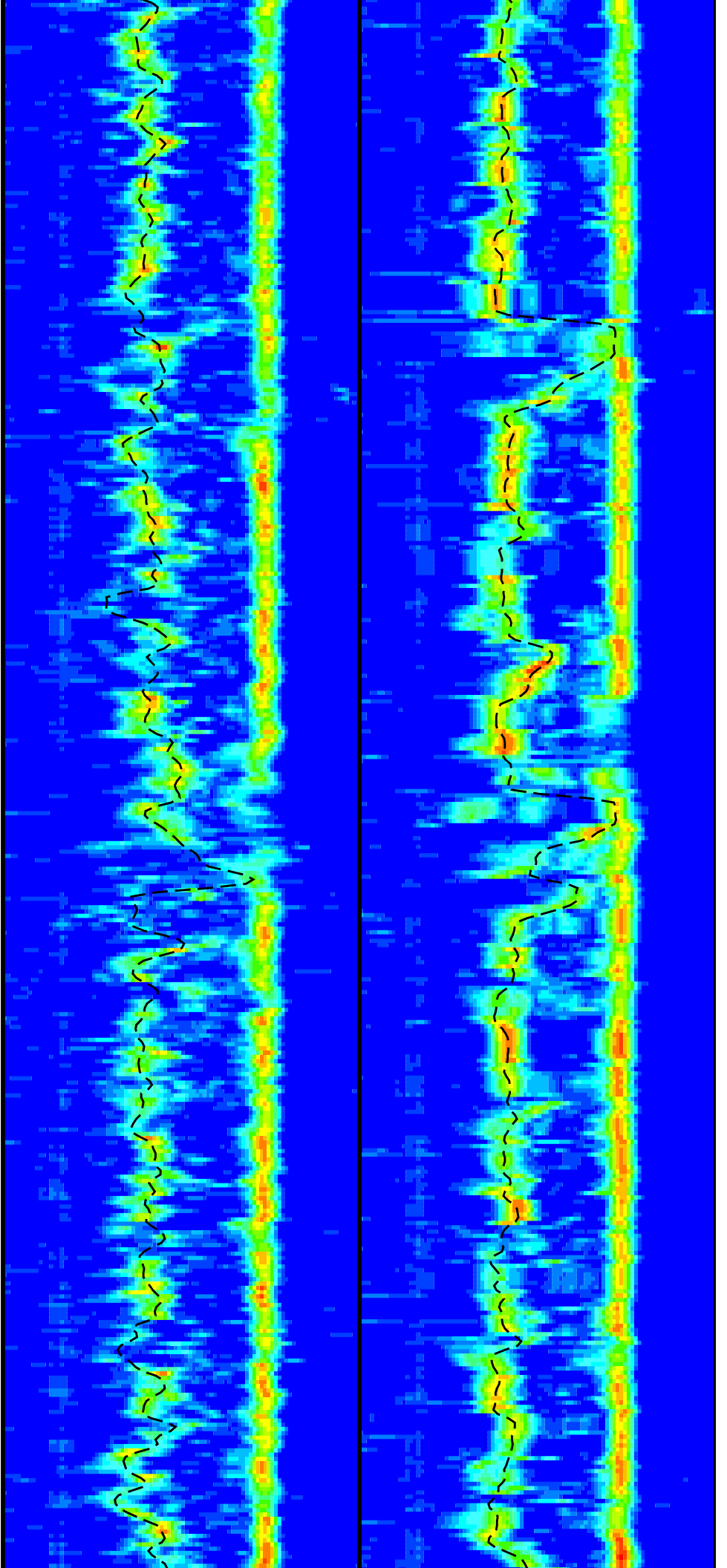
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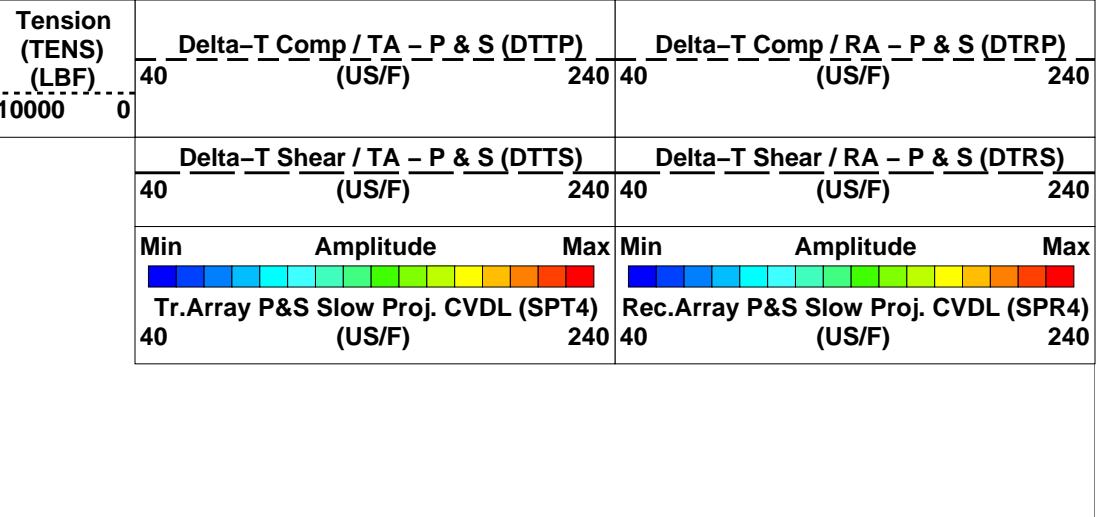
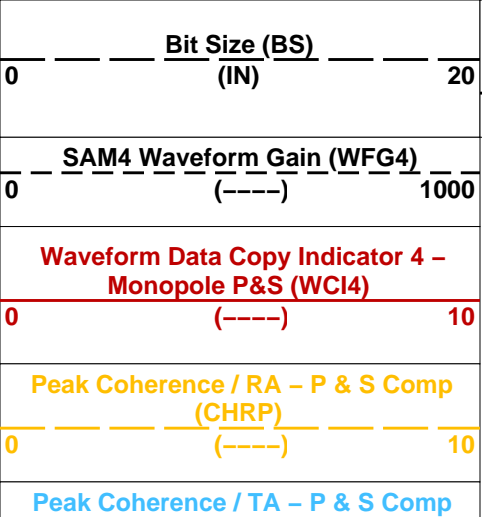
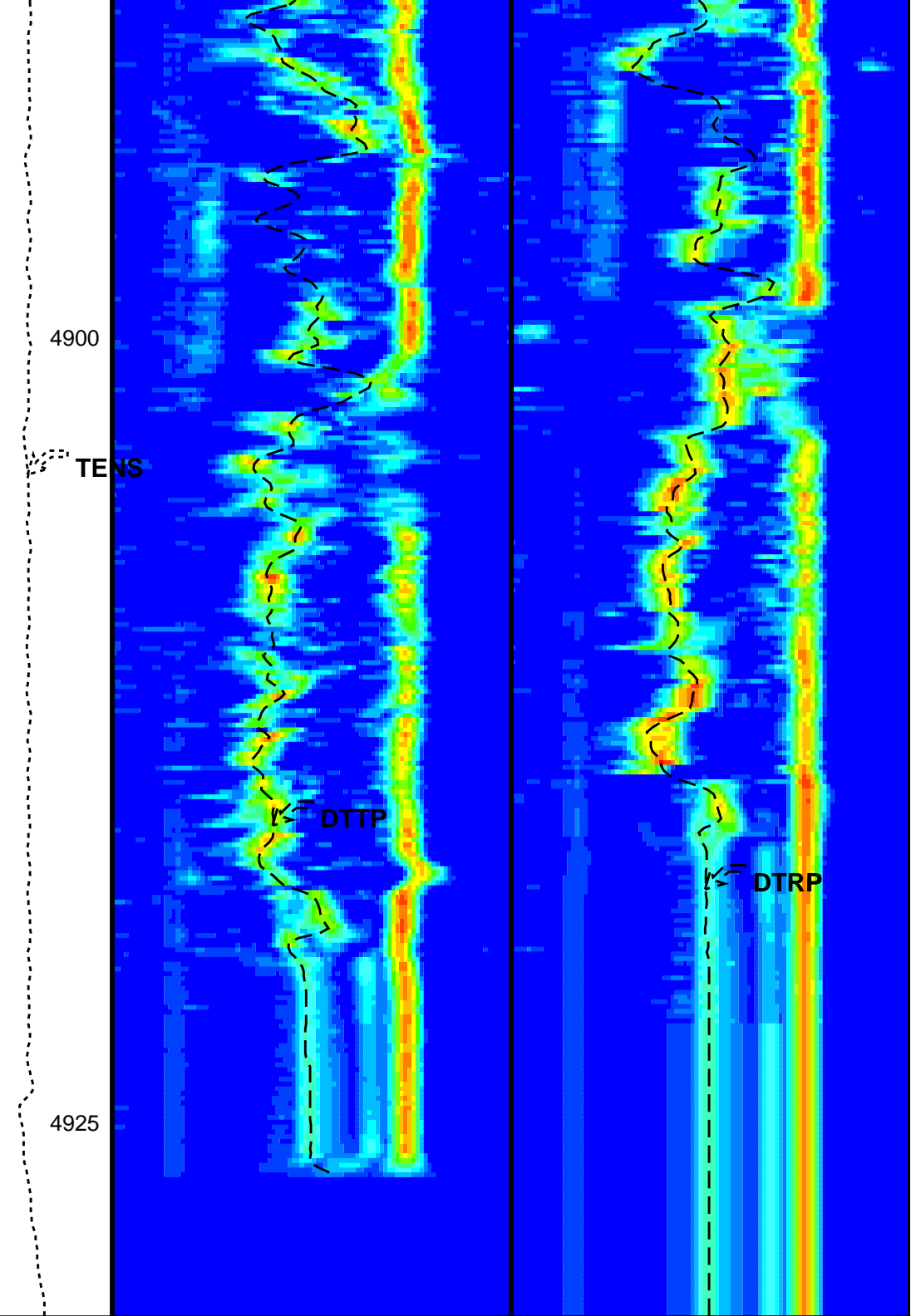
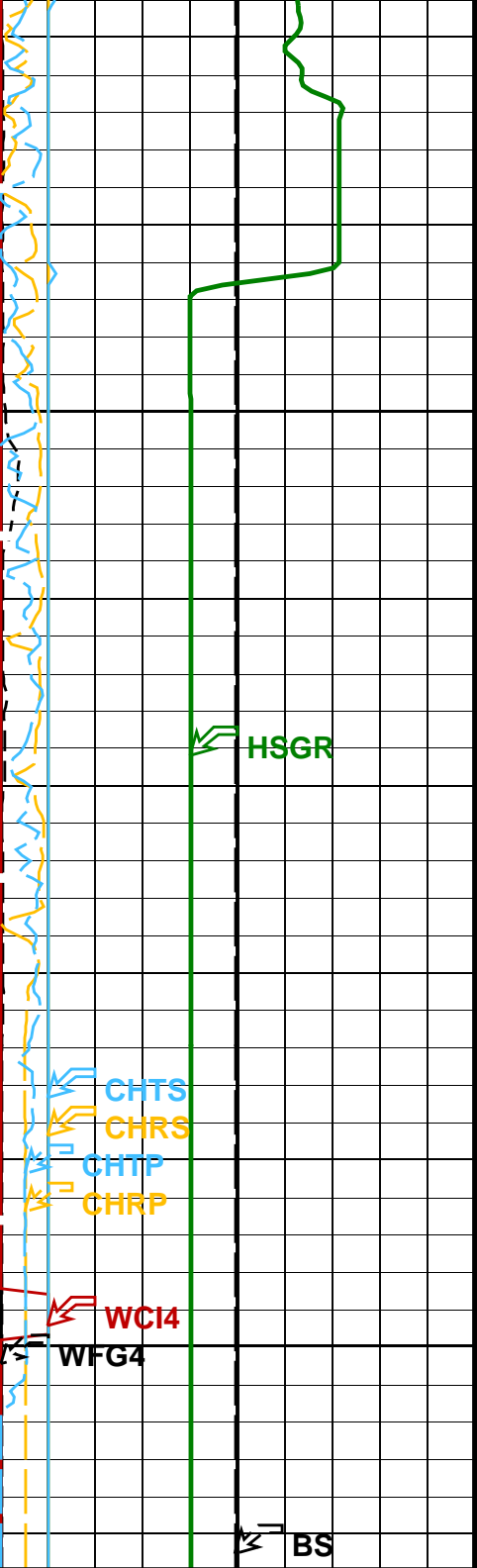




4850

4875





0	(----)	10
Peak Coherence / RA – P & S Shear (CHRS)		
-1	(----)	9
Peak Coherence / TA – P & S Shear (CHTS)		
-1	(----)	9
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager – B		
BHS	Borehole Status	OPEN
CASF	Label Casing Function – Monopole P&S	50
COLL	Label Slowness Lower Limit – Monopole P&S Compressional	95 US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	185 US/F
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DSI4	Digitizer Sample Interval 4	10 US
DSIX	Digitizer Sample Interval X	40 US
DTF	Delta-T Fluid	193 US/F
DWC4	Digitizer Word Count 4	512
DWCX	Digitizer Word Count X	512
FILG	Label Fill Gap Control – Monopole P&S	COMP_SHEAR
GCSE	Generalized Caliper Selection	LCAL
LFC	Label Formation Character – Monopole P&S	DYNAMIC
MCS	Mean Casing Slowness	57 US/F
MTXG	Monopole Transmitter Geometry	186 IN
NWI4	Number Waveform Items 4	8
NWIX	Number Waveform Items X	0
RSMN	Label Shear/Compressional Minimum Ratio – Monopole P&S	1.4
RSMX	Label Shear/Compressional Maximum Ratio – Monopole P&S	2.12
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM4	DSST Sonic Acquisition Mode 4 – Monopole Mode for P&S	EVEN
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF
SAS4	STC Sonic Array Status – Monopole P&S	255
SBO4	STC Search Band Offset – Monopole P&S	500 US
SBR4	STC Baseline Removal – Monopole P&S	ON
SBW4	STC Search Bandwidth – Monopole P&S	2000 US
SFC4	STC Formation Character – Monopole P&S	SELECTABLE
SFM4	STC Filter – Monopole P&S	B3-20K
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	235 US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	240 US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40 US/F
SST4	STC Slowness Step – Monopole P&S	2 US/F
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4
STLL	Label Slowness Lower Limit – Monopole Stoneley	180 US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780 US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240 US/F
SWD4	STC Slowness Width – Monopole P&S	10 US/F
TBF4	STC Time for Baseline Fill – Monopole P&S	300 US
TLL4	STC Time Lower Limit – Monopole P&S	150 US
TST4	STC Time Step – Monopole P&S	50 US
TUL4	STC Time Upper Limit – Monopole P&S	3660 US
TWD4	STC Time Width – Monopole P&S	1000 US
TWI4	STC Integration Time Window – Monopole P&S	500 US
TWSX	Transmitter Waveform Select X	0
WFM4	Waveform Mode 4	W1
HRLT-B: High Resolution Laterolog Array – B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	LCAL
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	10.75	IN
CSD2	Outer Casing Outer Diameter	10.75	IN
CSW1	Inner Casing Weight	45	LB/F
CSW2	Outer Casing Weight	45	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00192069	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.992004	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.990962	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.32	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_RC_TR_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06-Apr-2017 20:24

OP System Version: 19C0-187

DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_030LUP	FN:35	PRODUCER	06-Apr-2017 18:03	4930.9 M	3798.9 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_038PUP	FN:51	PRODUCER	06-Apr-2017 20:24		
BACKUP	DSI_HRLA_LDL_NGS_038PUP	FN:52	PRODUCER	06-Apr-2017 20:24		

Company: International Ocean Discovery Program Well: Expedition 367, Site U1500B

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_030LUP	FN:35	PRODUCER	06-Apr-2017 18:03	4930.9 M	3798.9 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_038PUP	FN:51	PRODUCER	06-Apr-2017 20:24	4930.9 M	3798.9 M
BACKUP	DSI_HRLA_LDL_NGS_038PUP	FN:52	PRODUCER	06-Apr-2017 20:24	4930.9 M	3798.9 M

OP System Version: 19C0-187

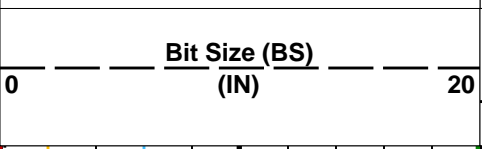
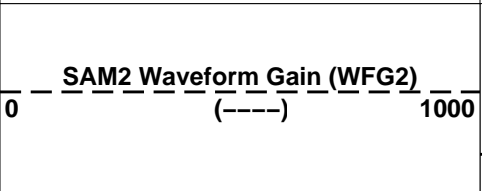
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HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

Time Mark Every 60 S

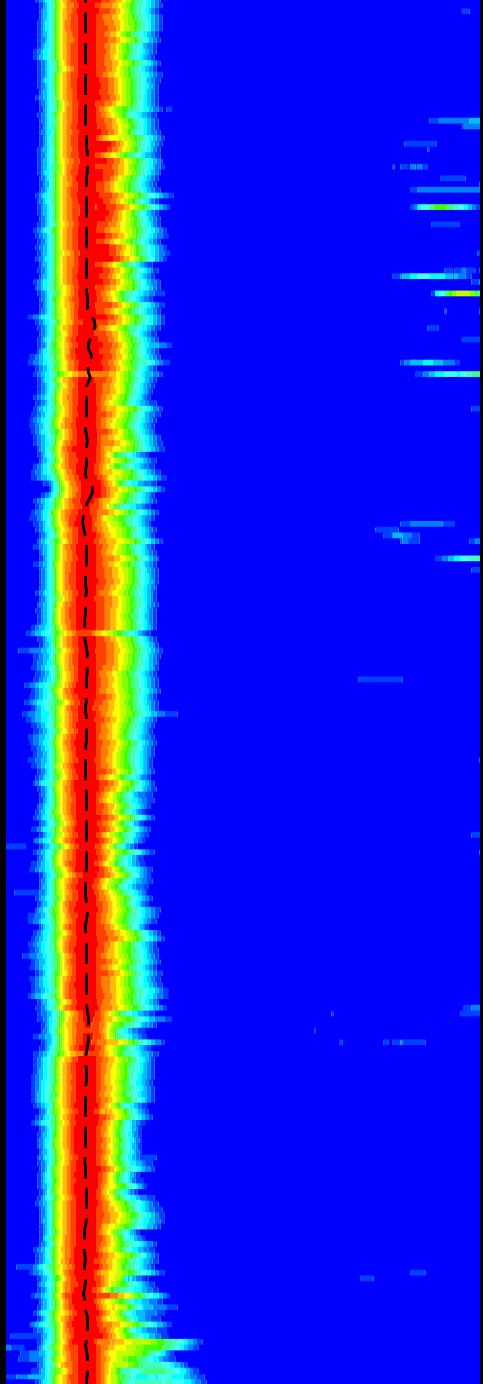
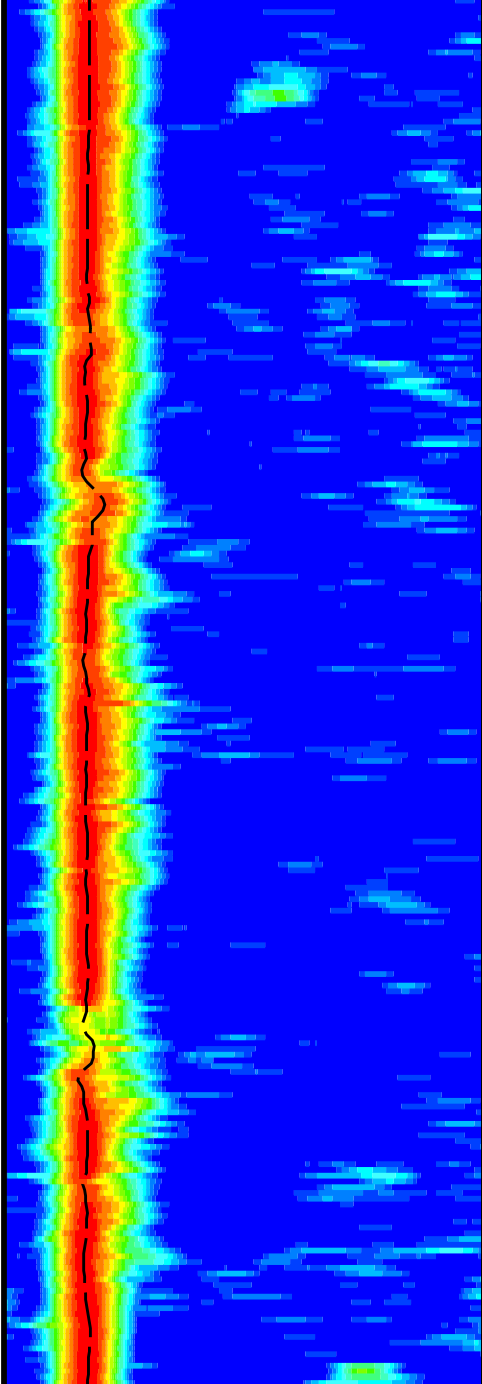
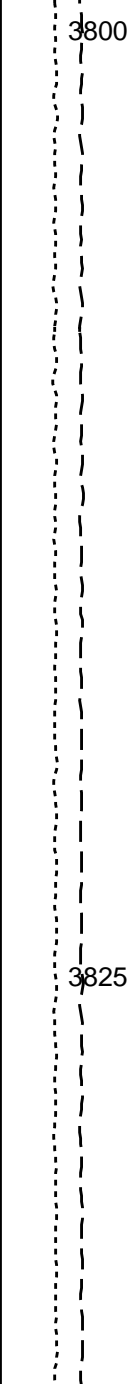
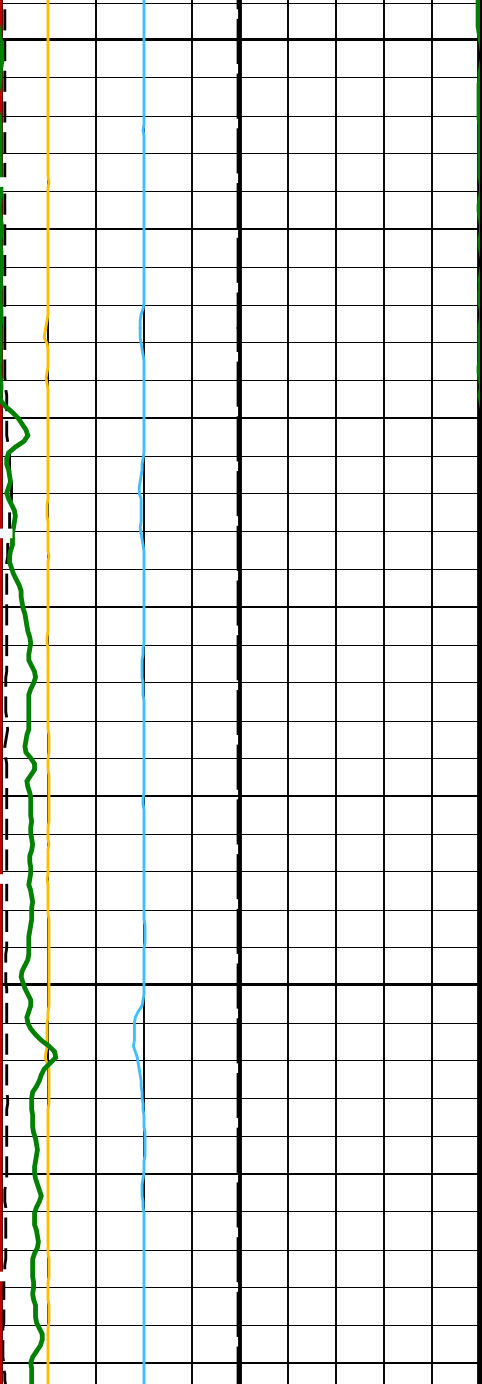
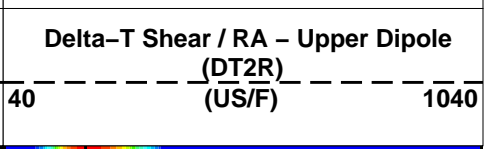
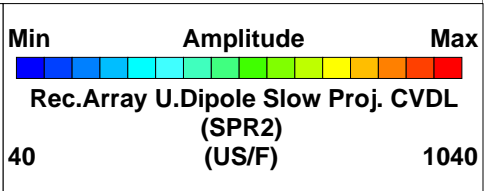
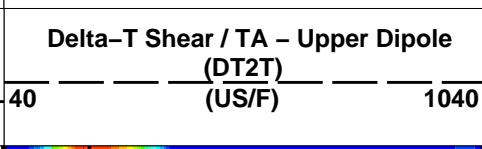
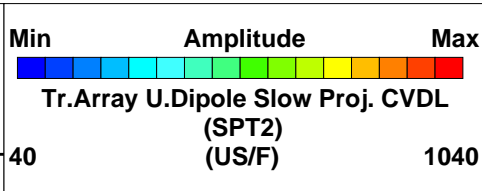
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(GAPI) 100	

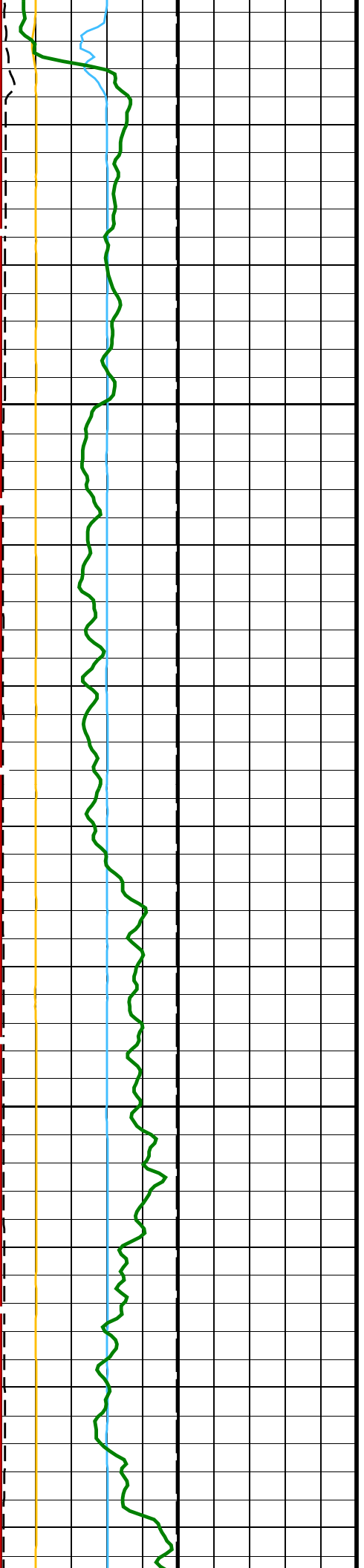
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-2	(-----)	8
Peak Coherence / RA – Upper Dipole (CHR2)		
0	(-----)	10
Waveform Data Copy Indicator 2 – Upper Dipole (WCI2)		
0	(-----)	10



Calibrated Downhole Force (CDF) (LBF)
5000 0

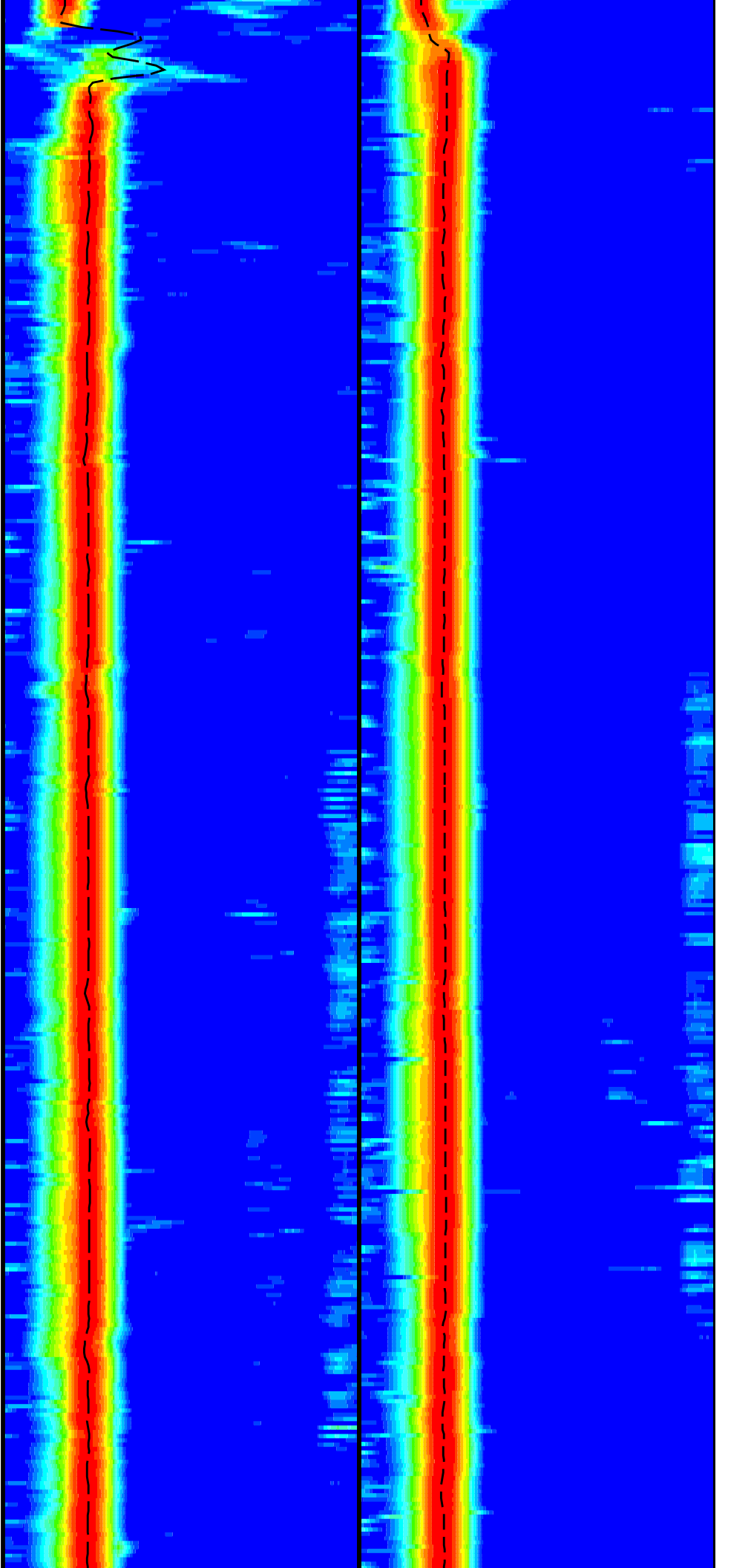
Tension (TENS) (LBF)
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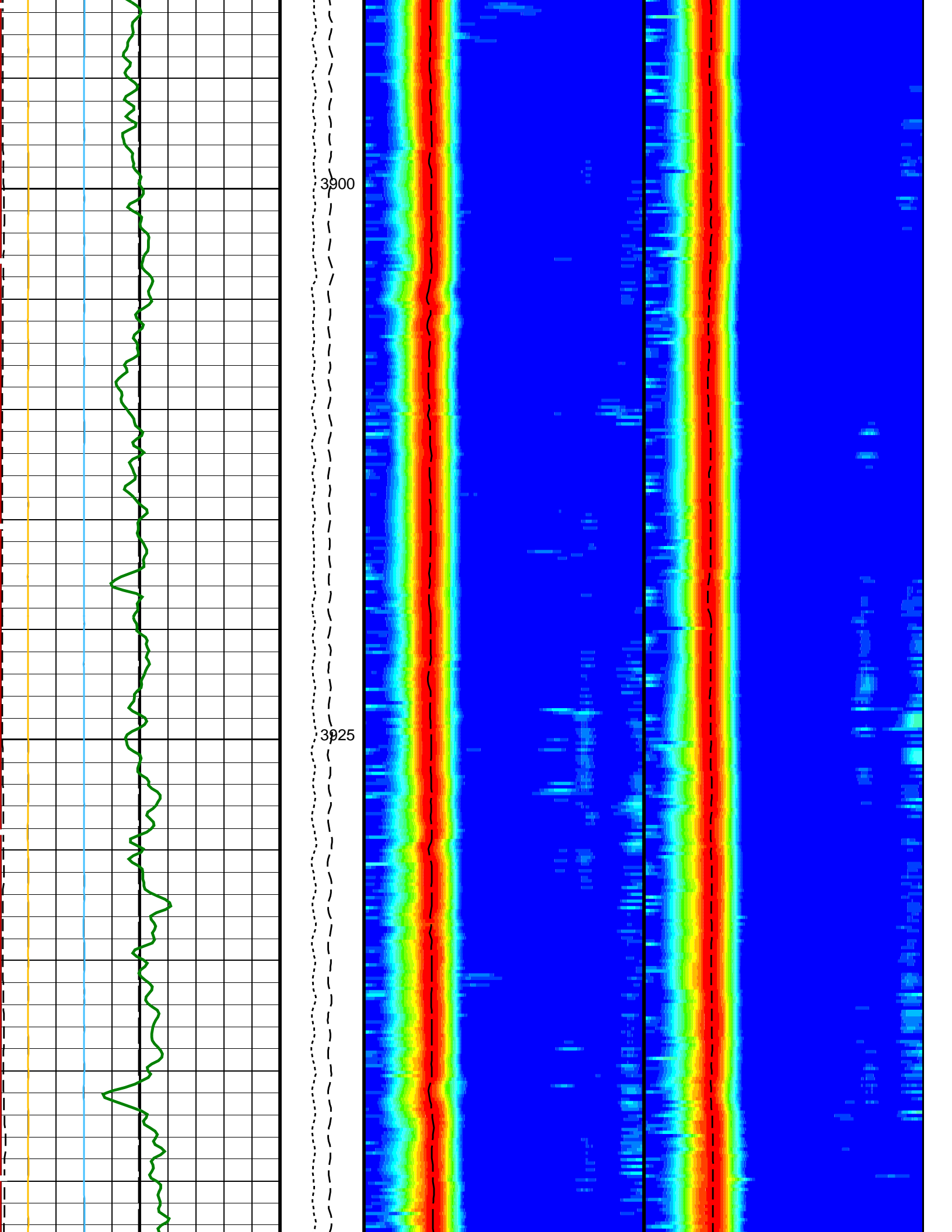


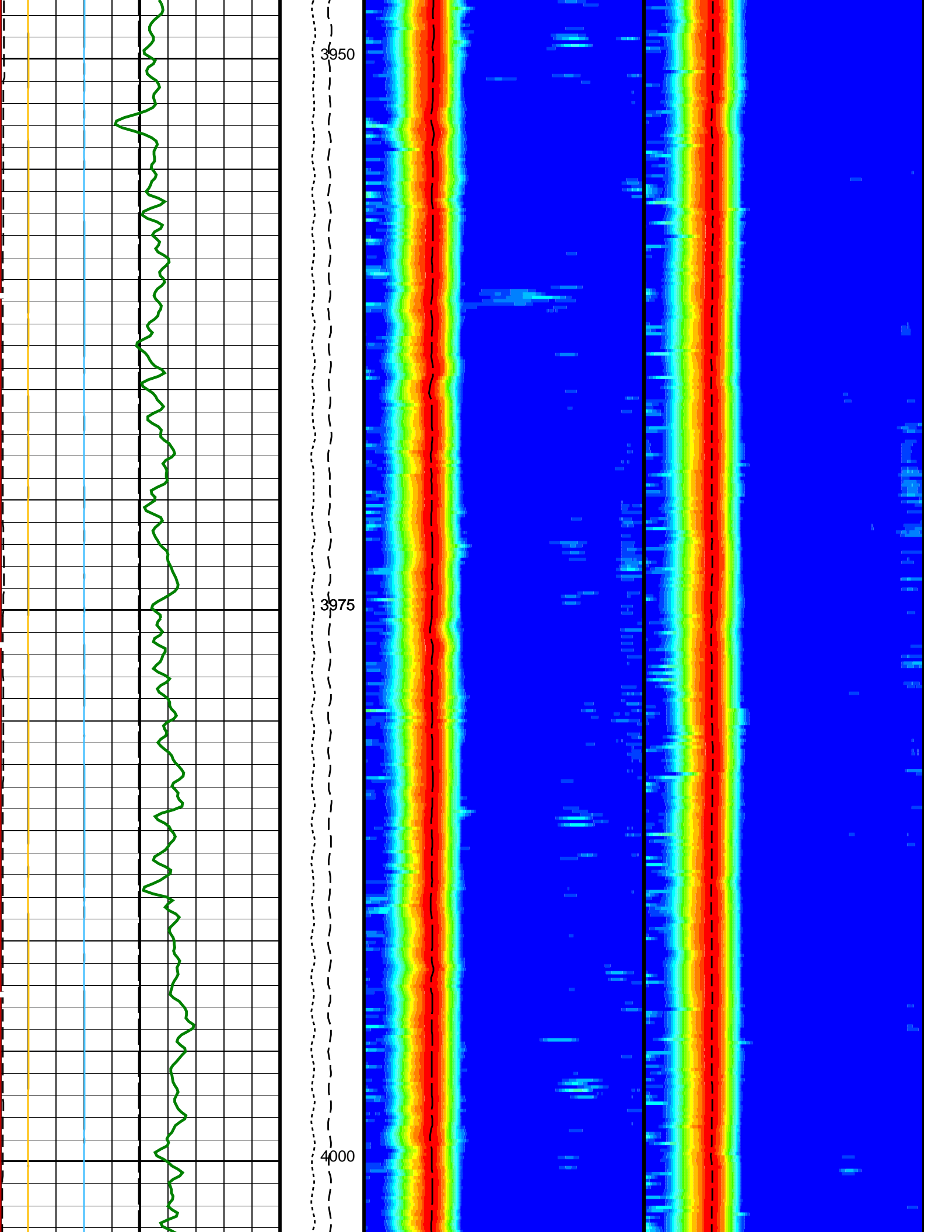


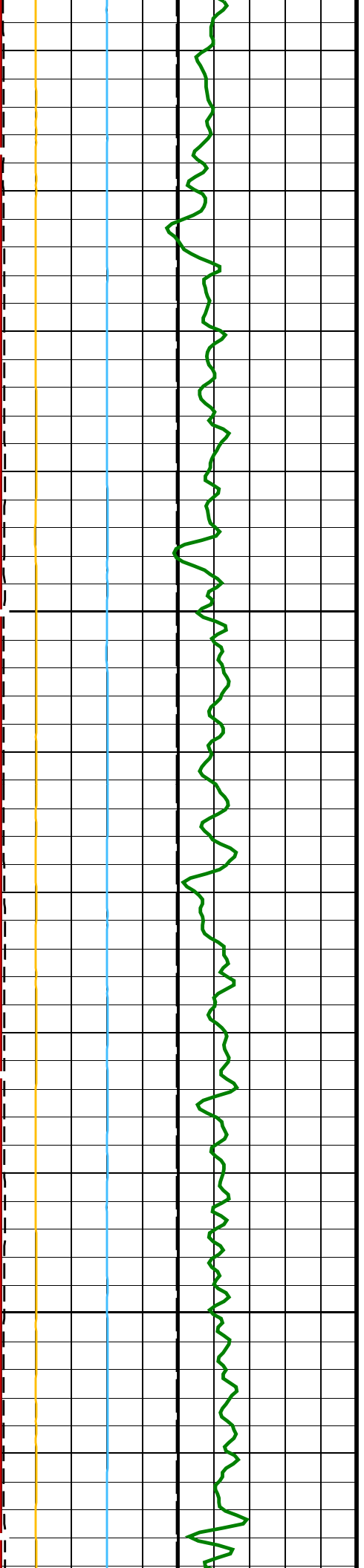
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3875



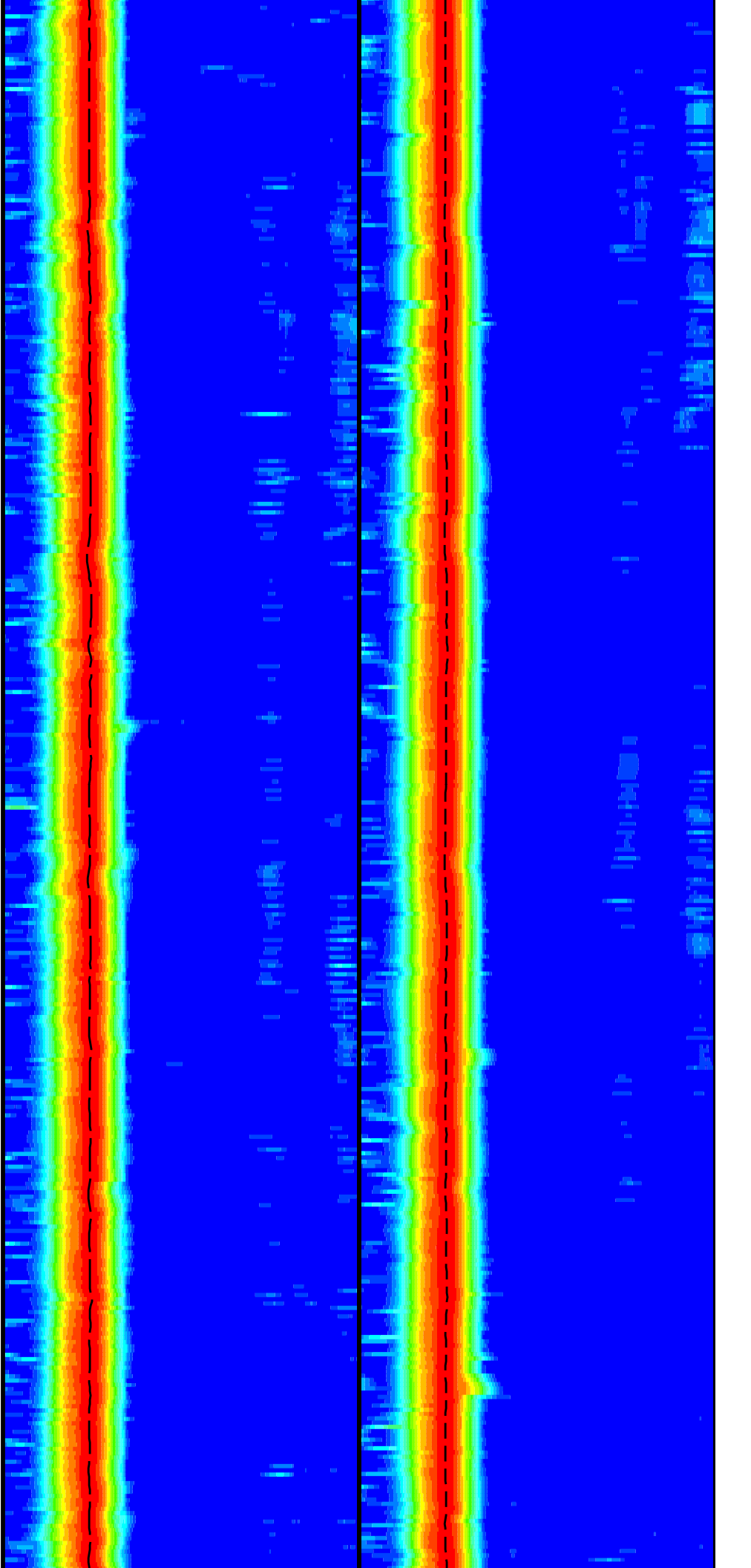


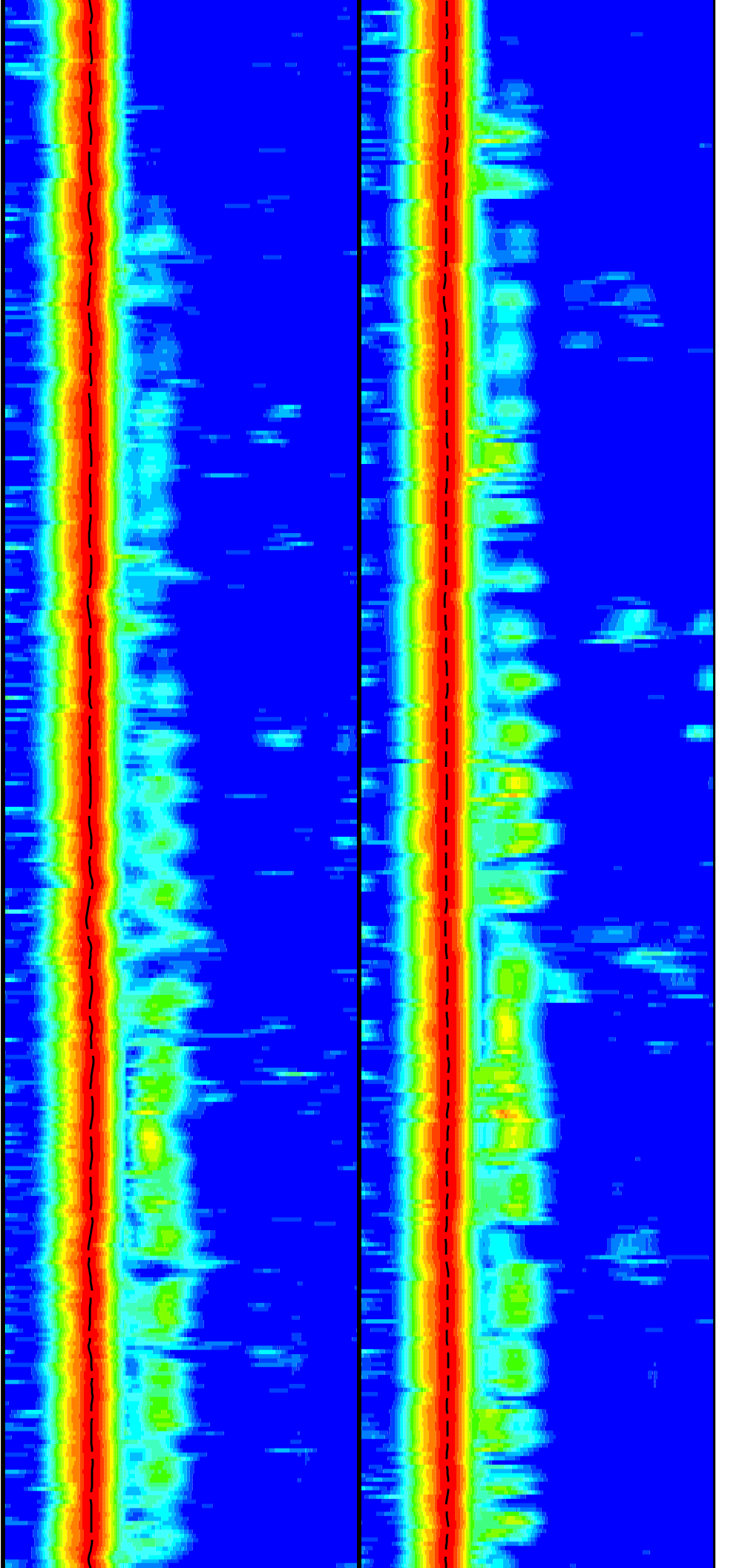
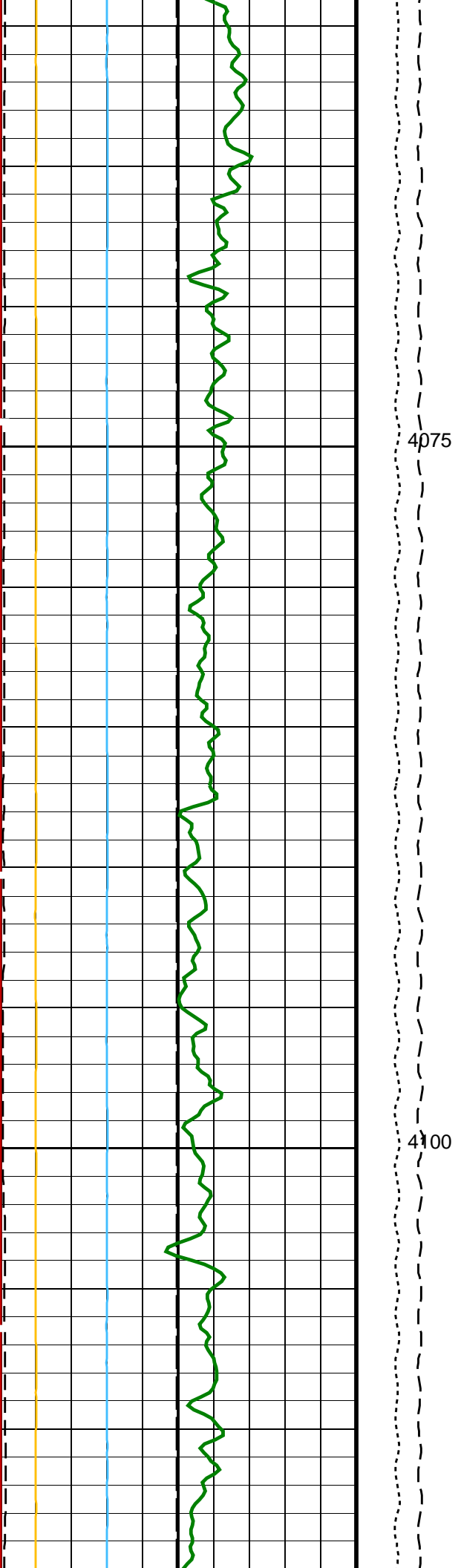


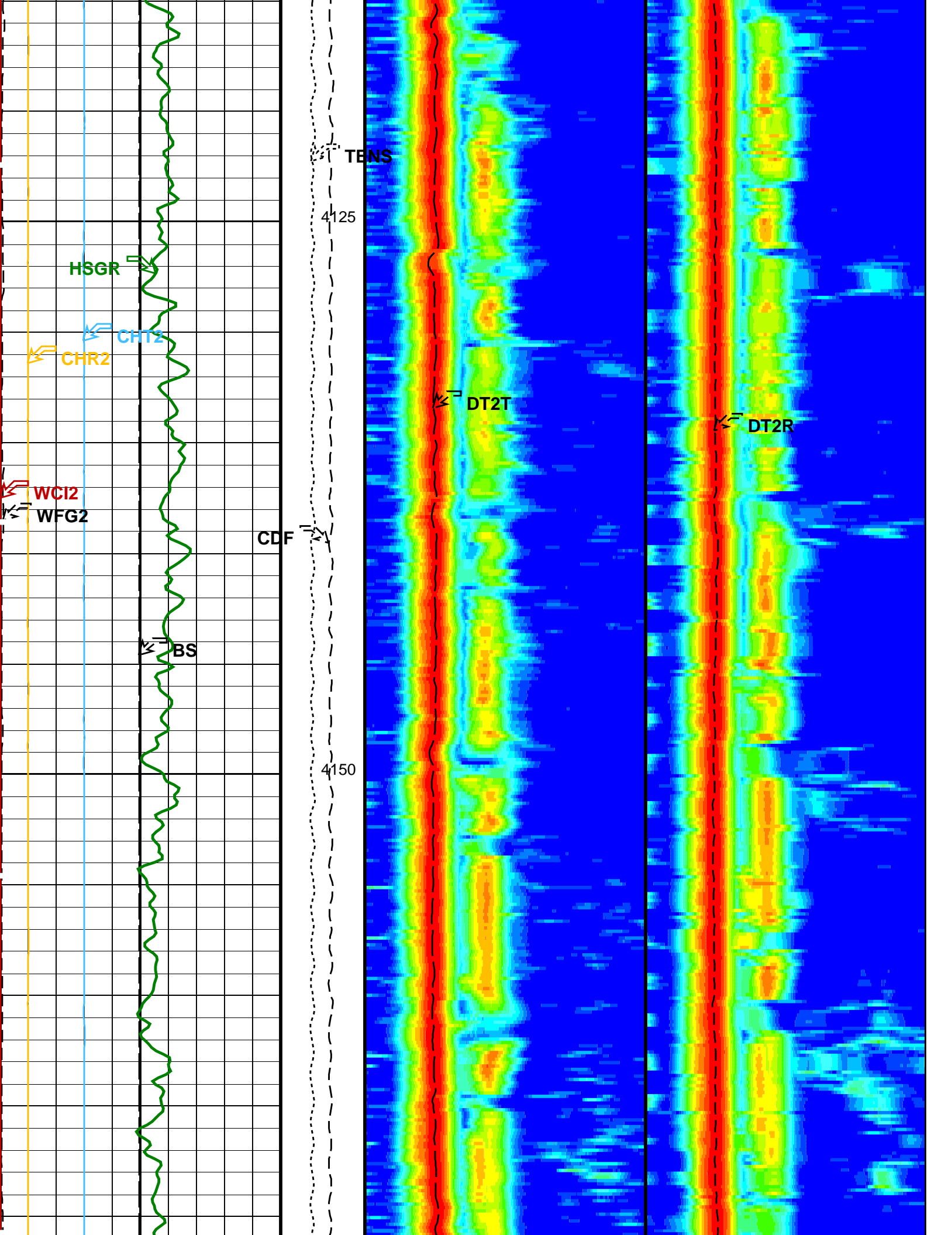


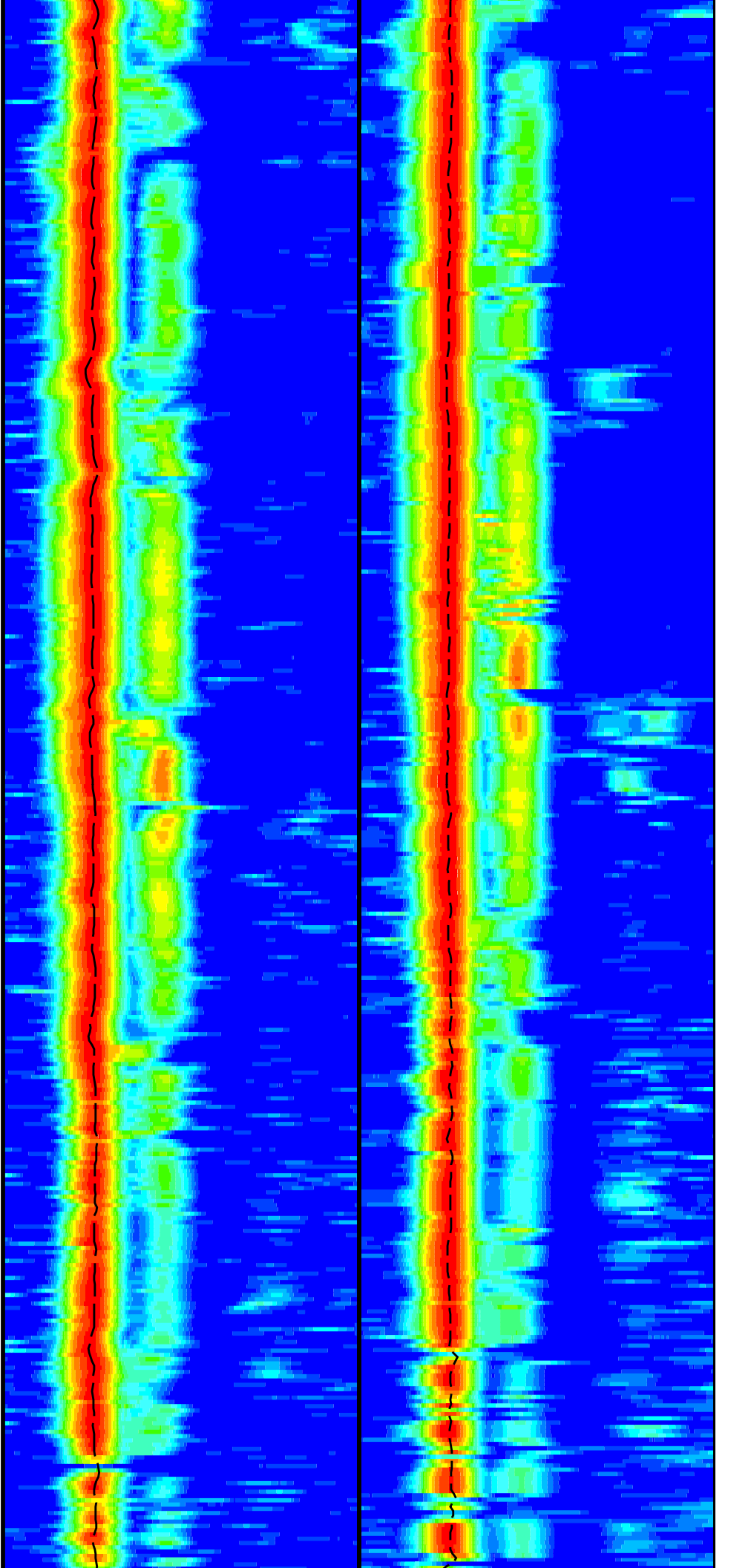
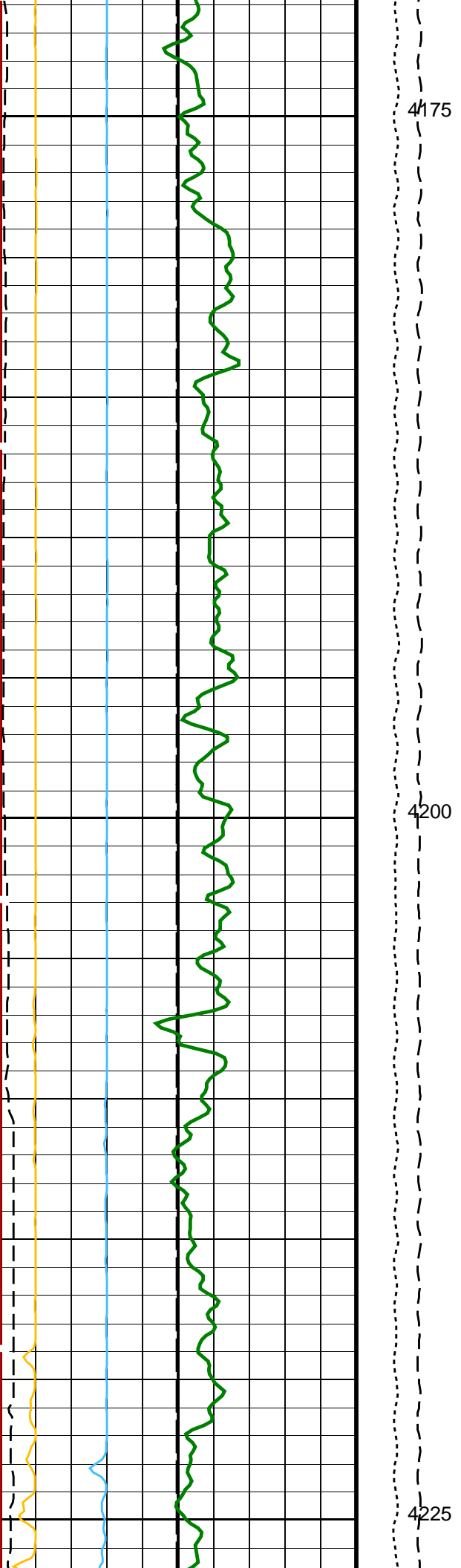
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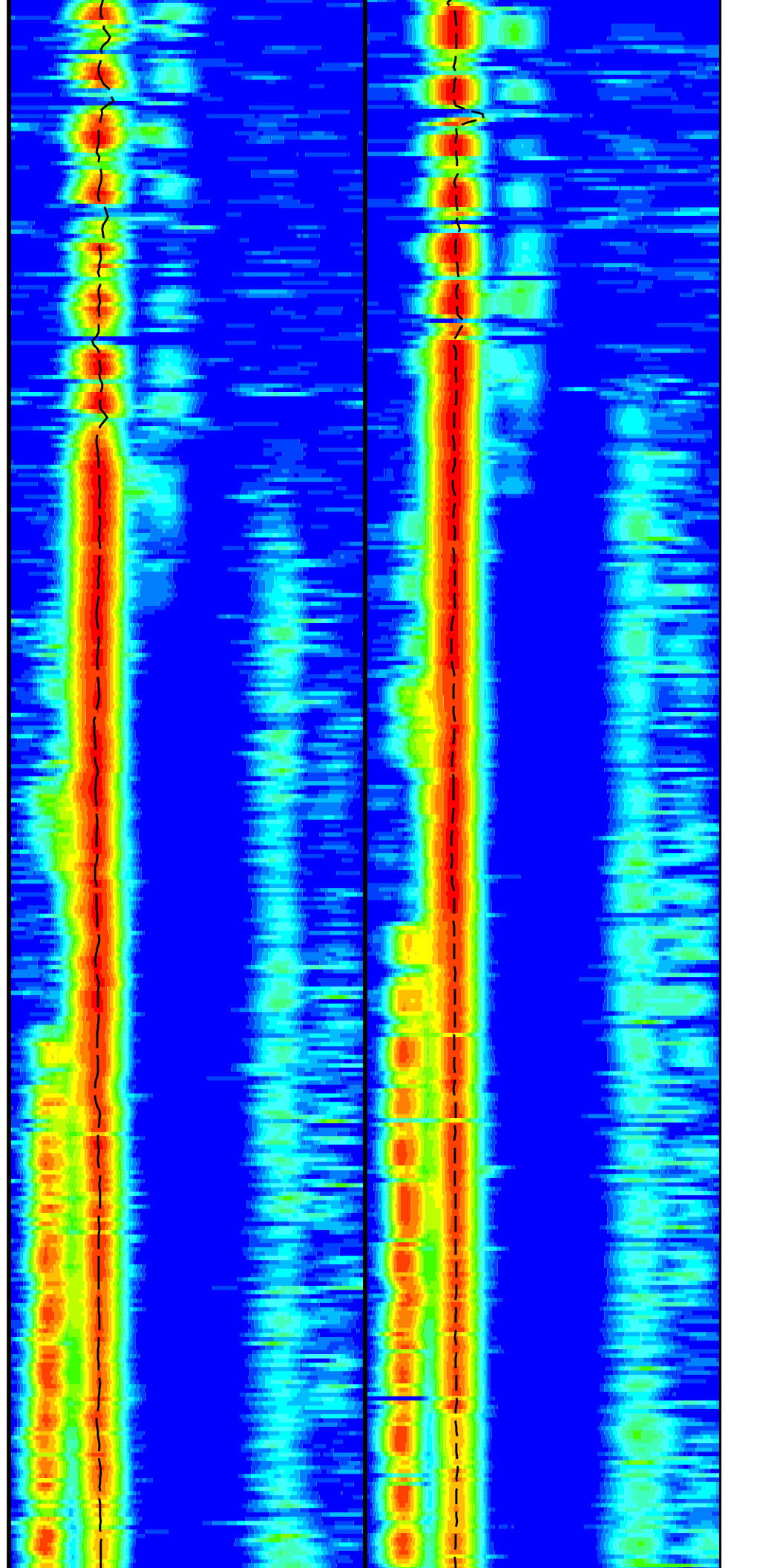
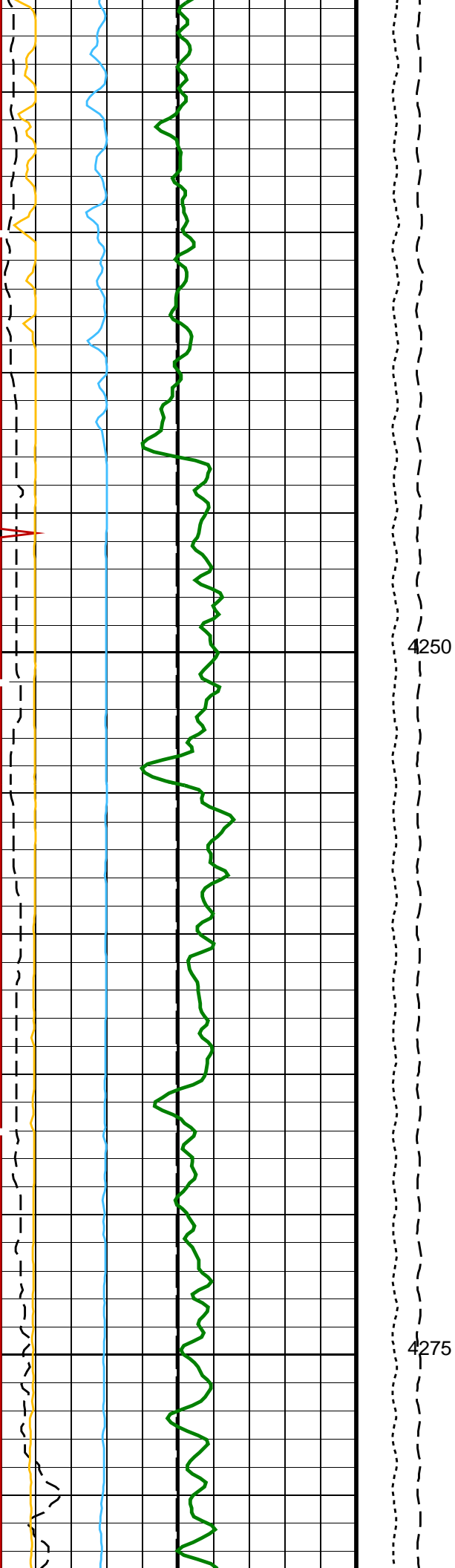
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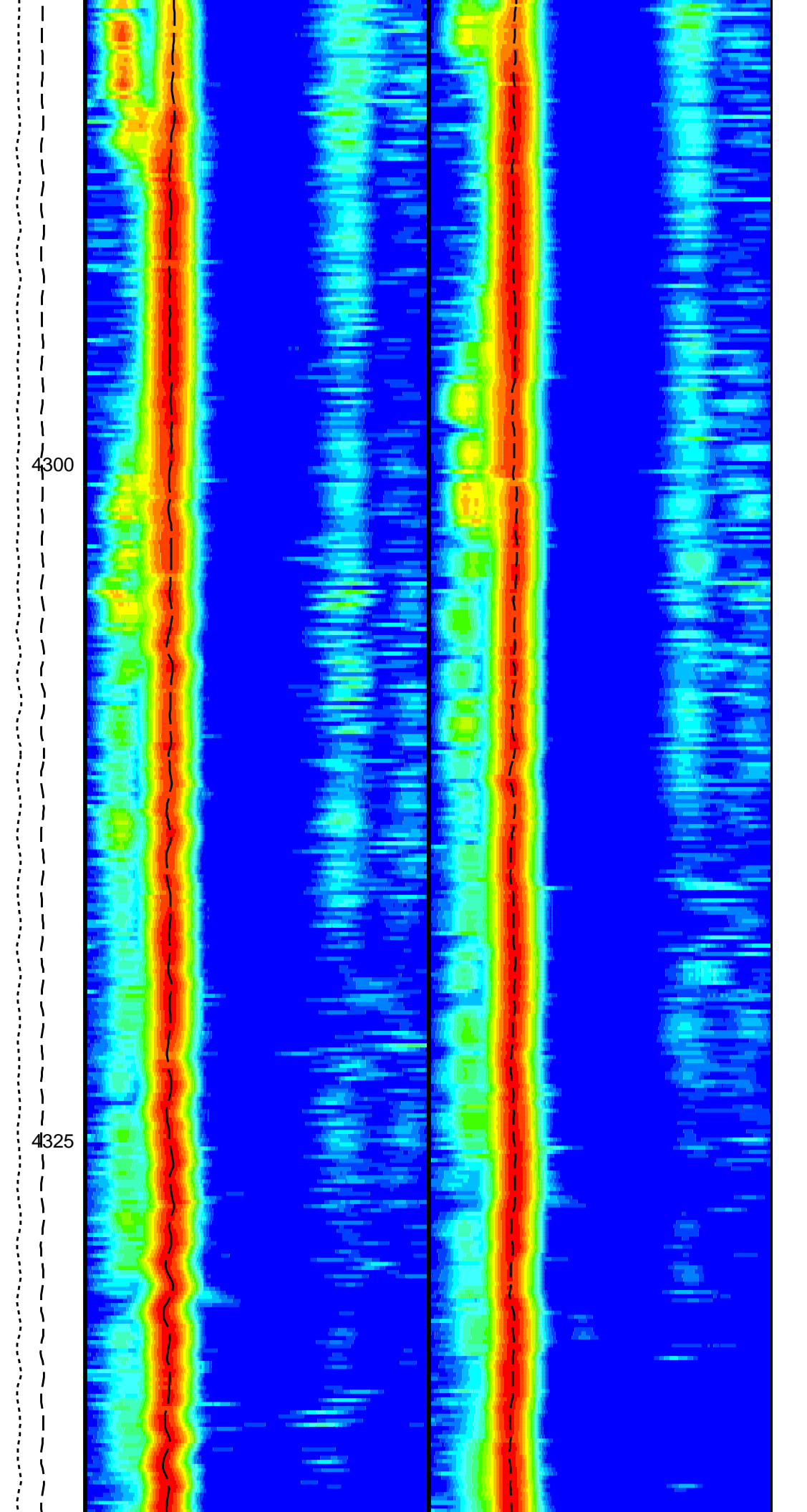
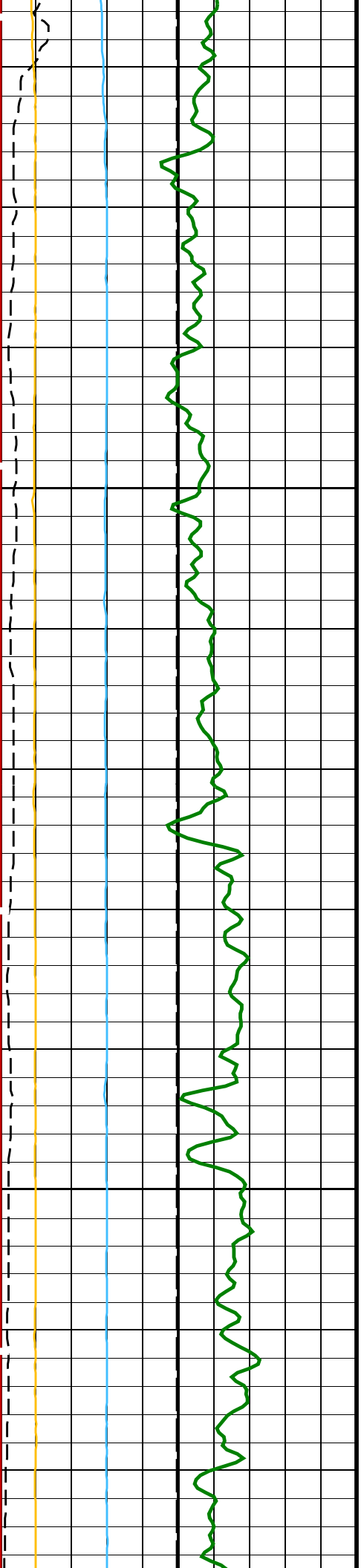


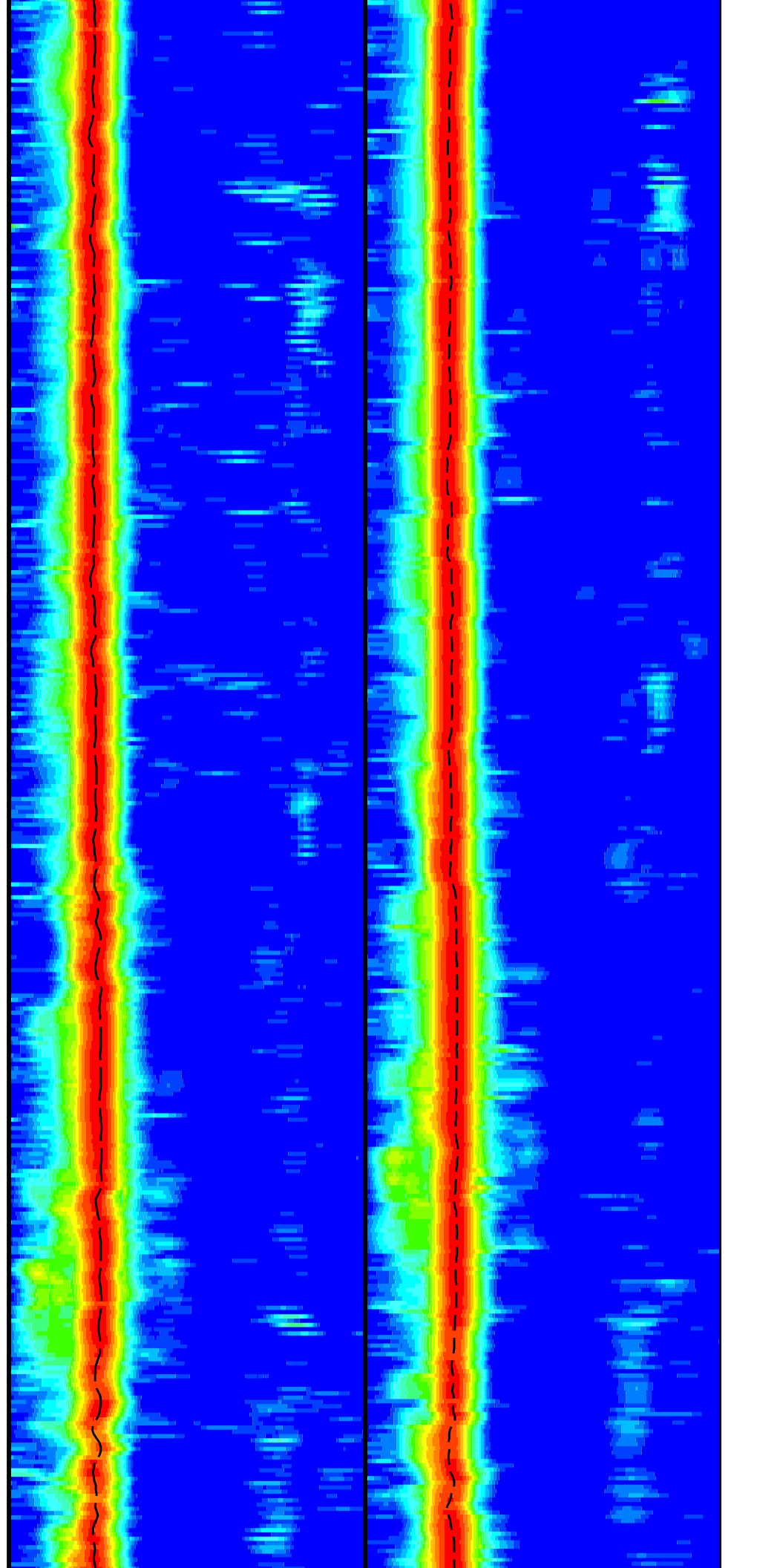
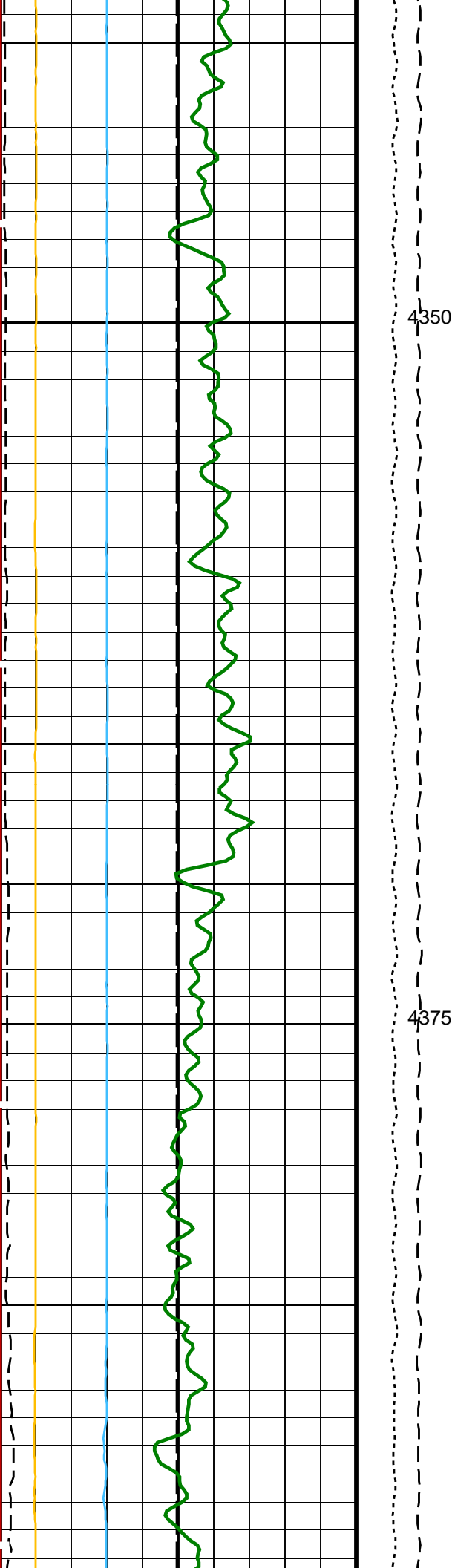


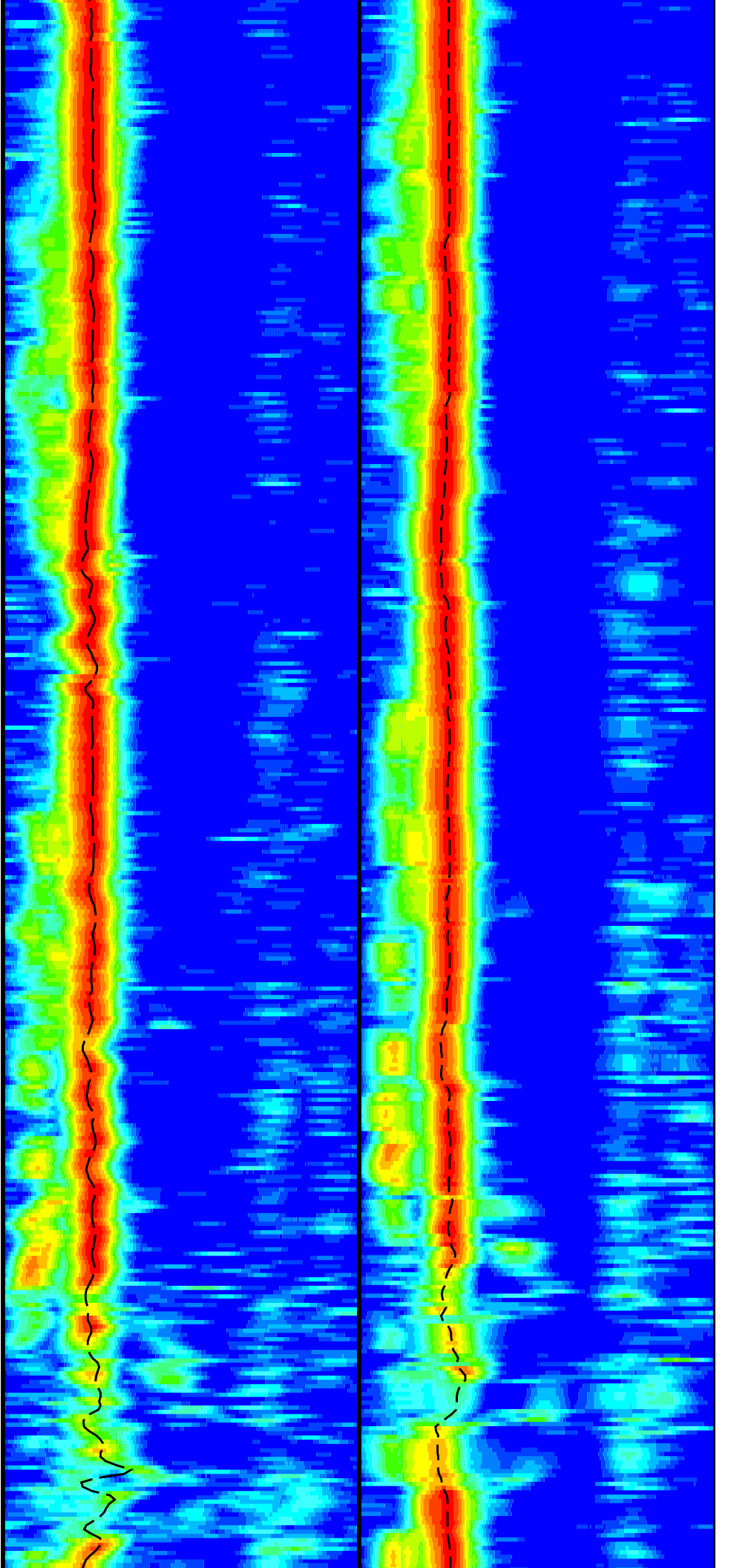
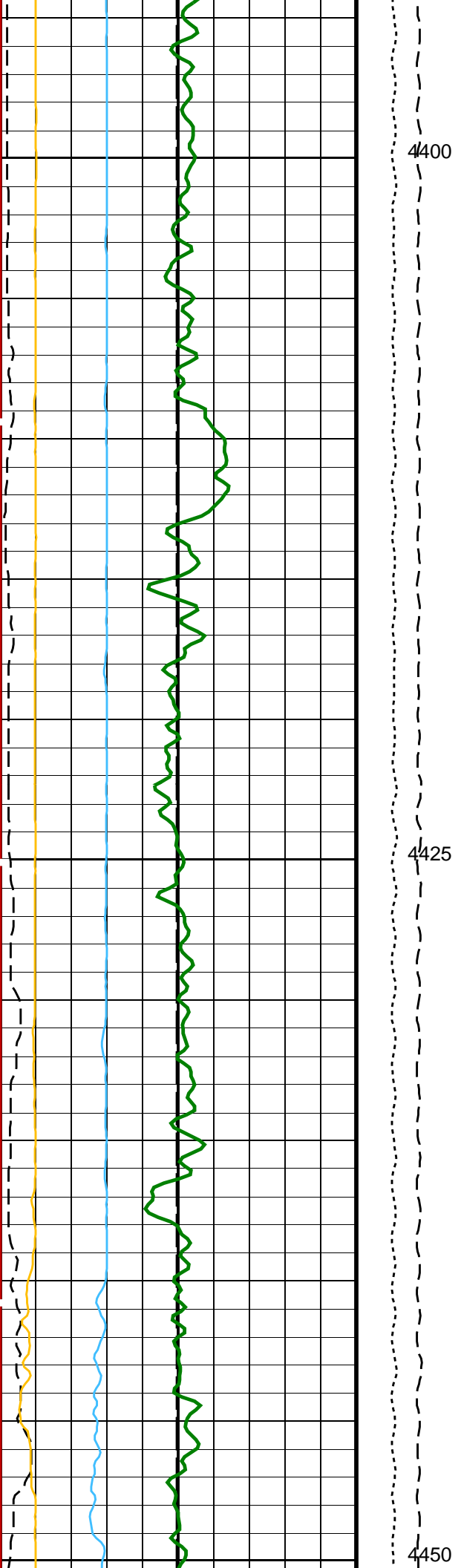


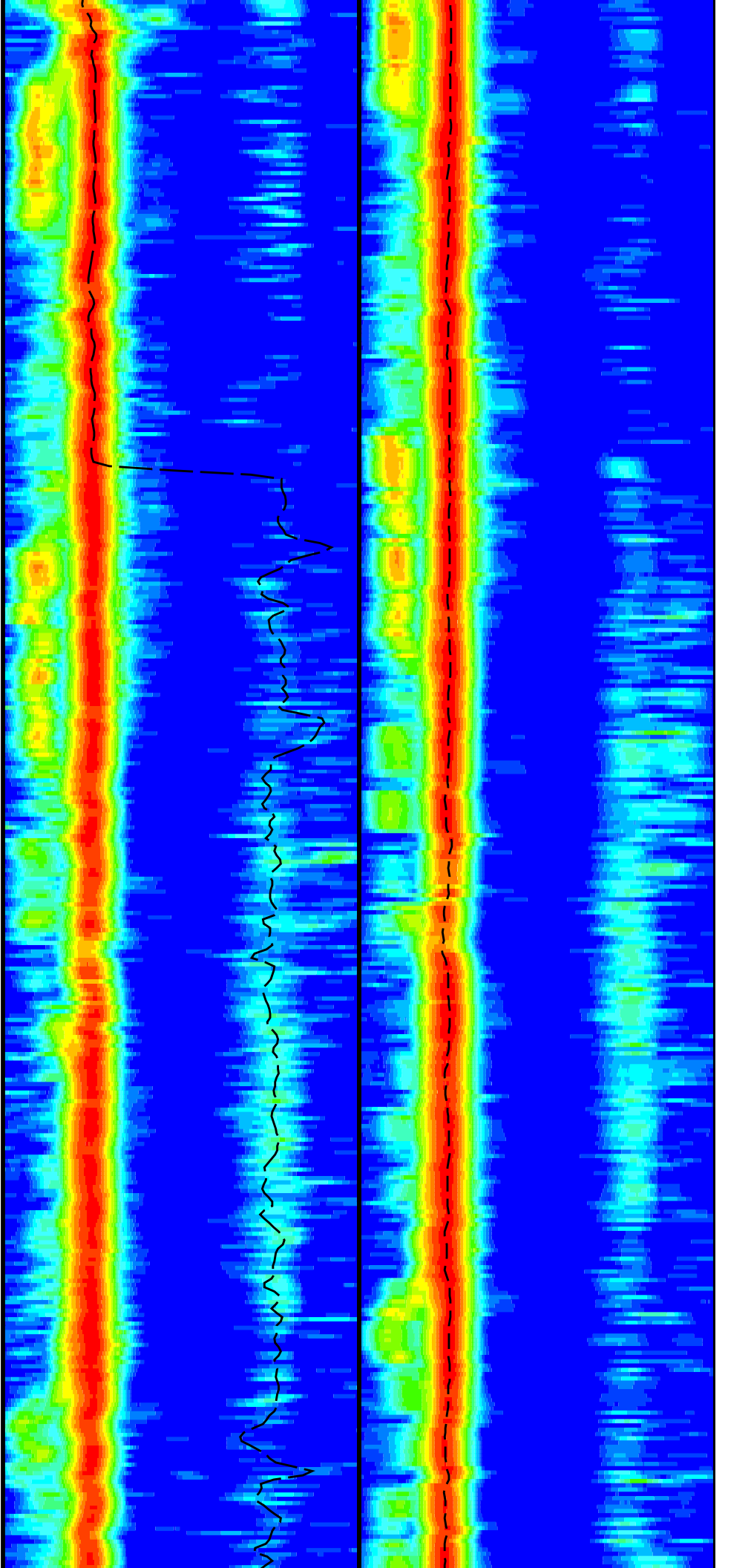
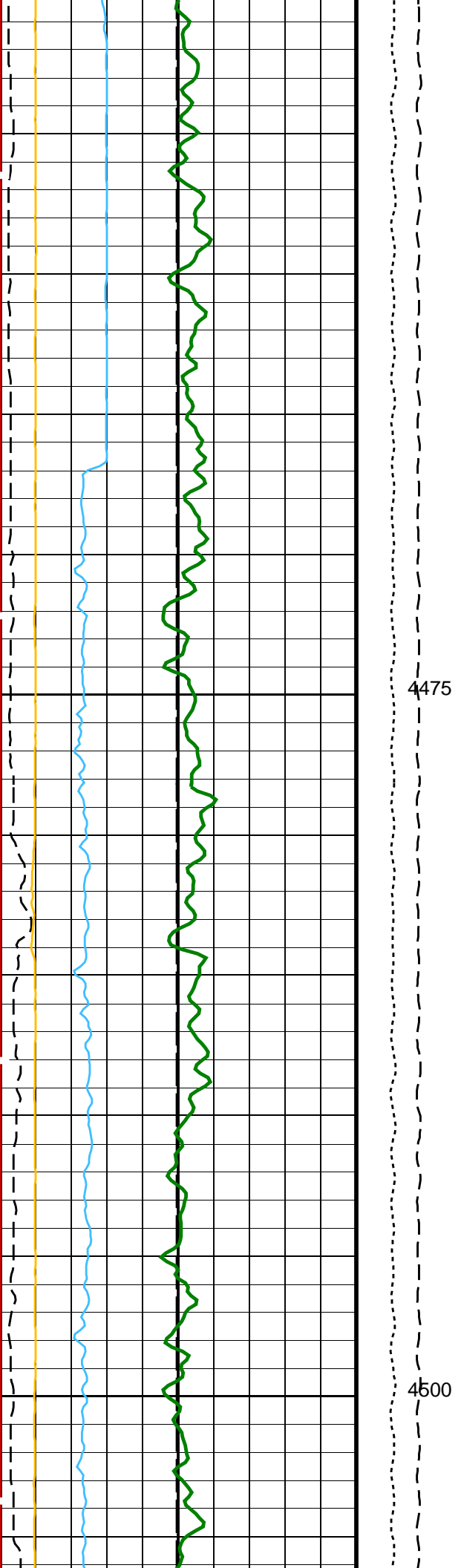


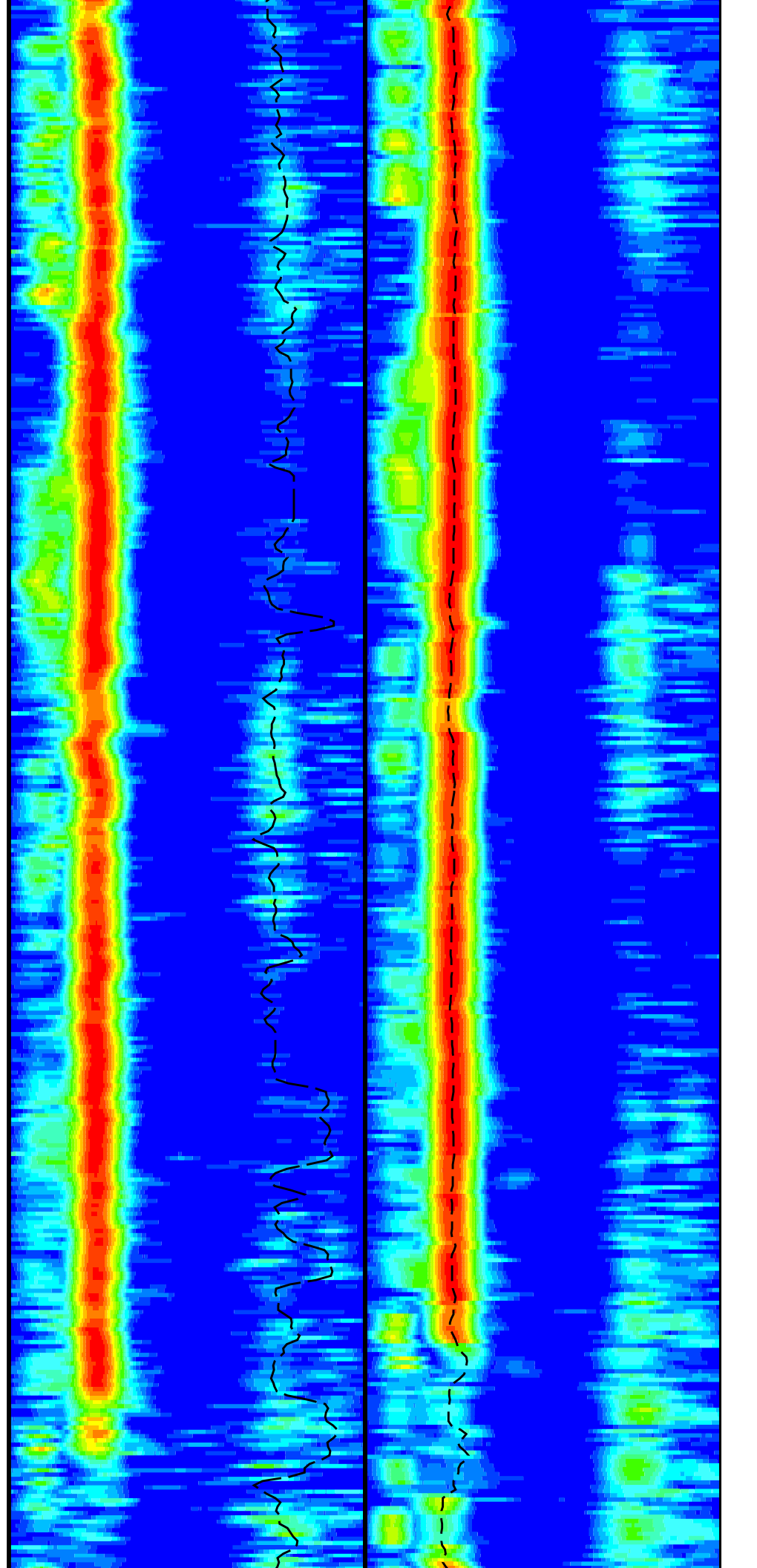
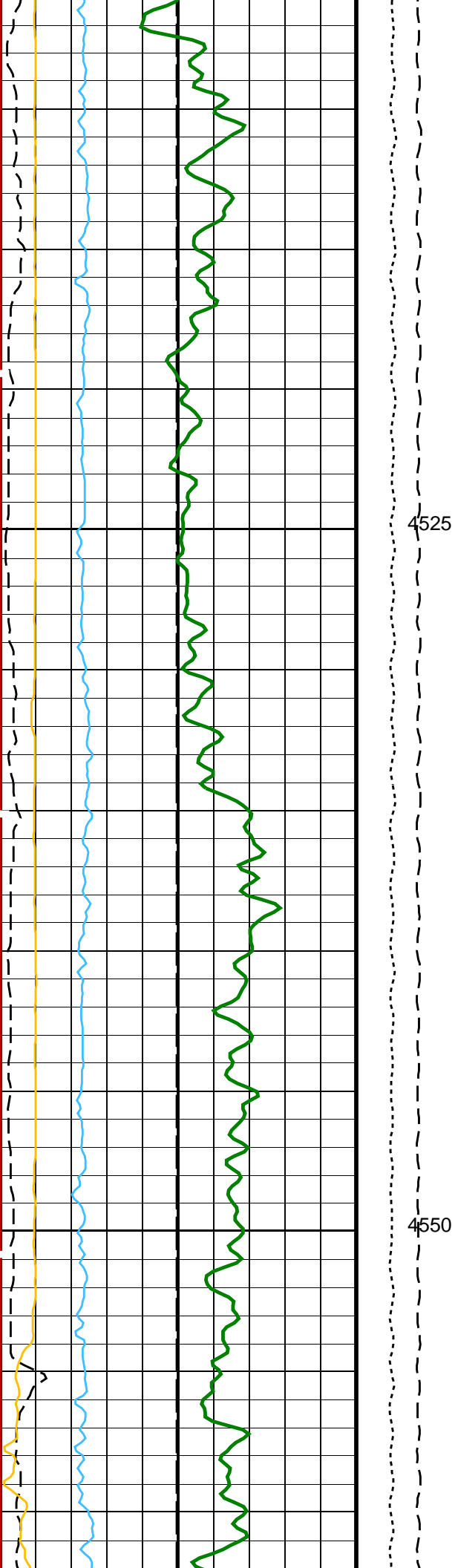


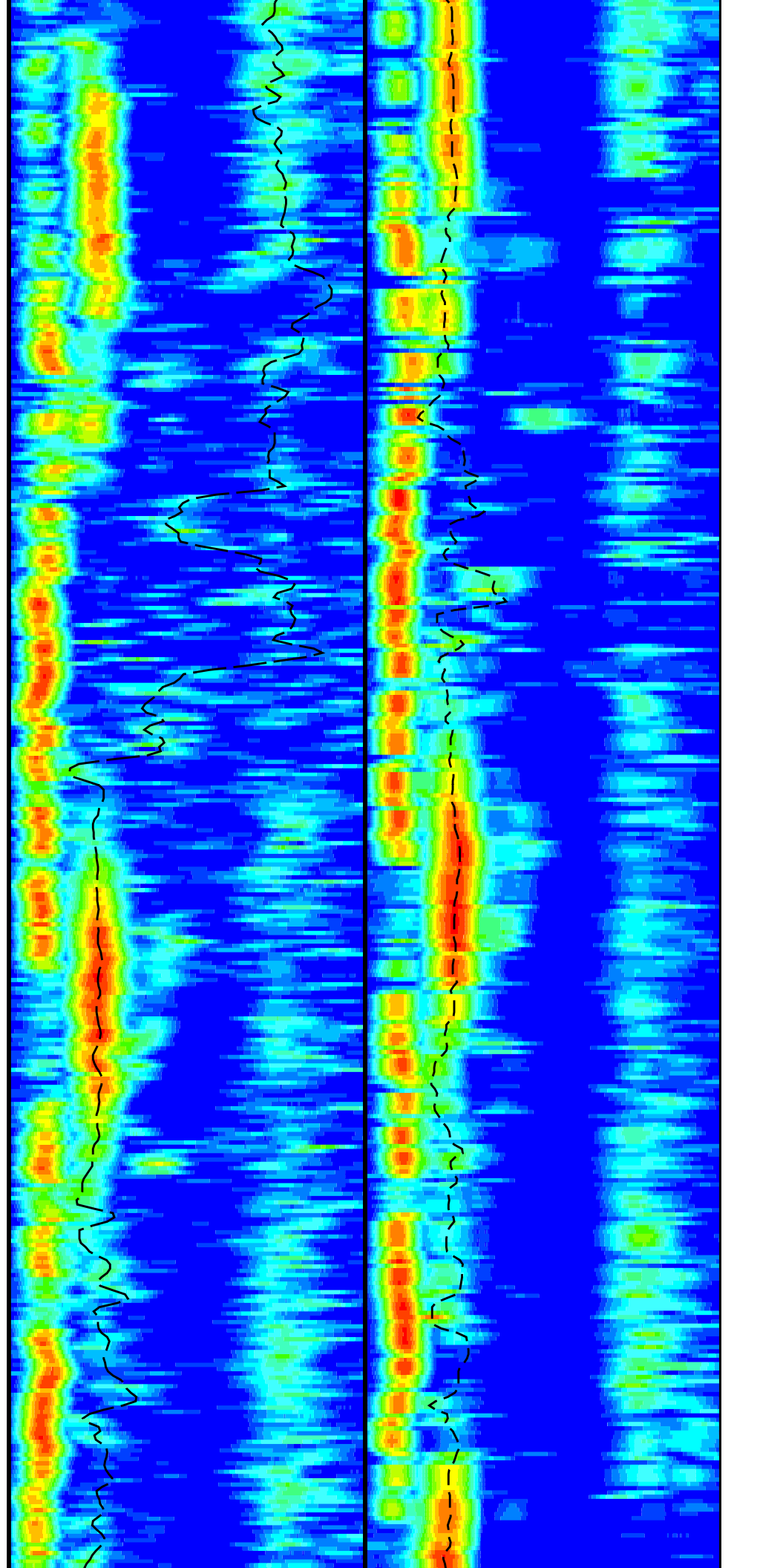
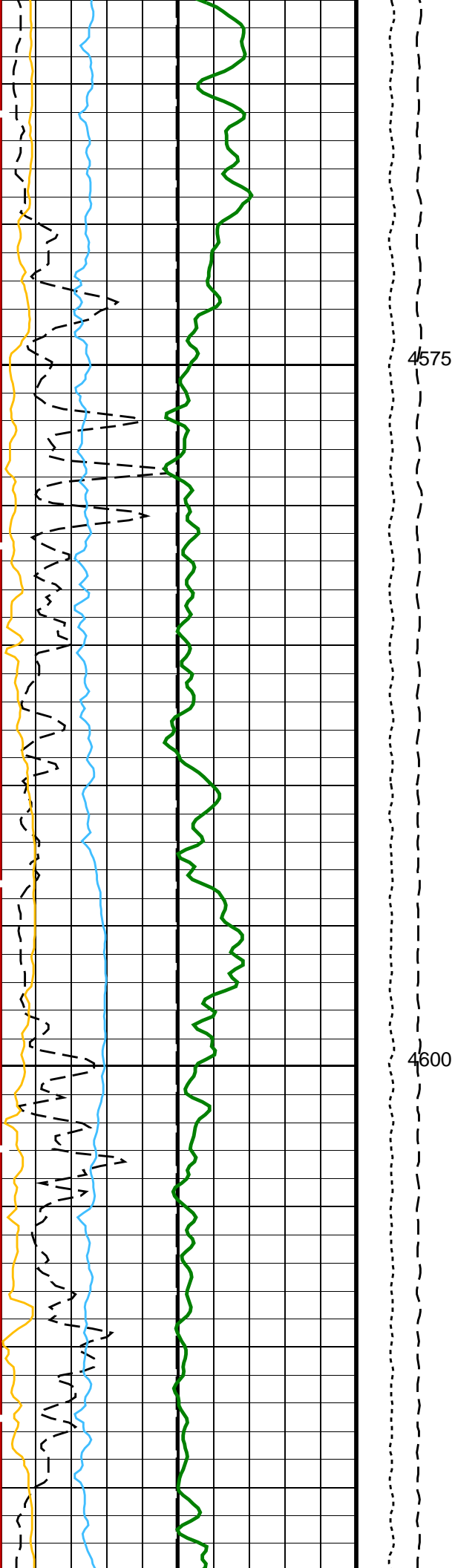


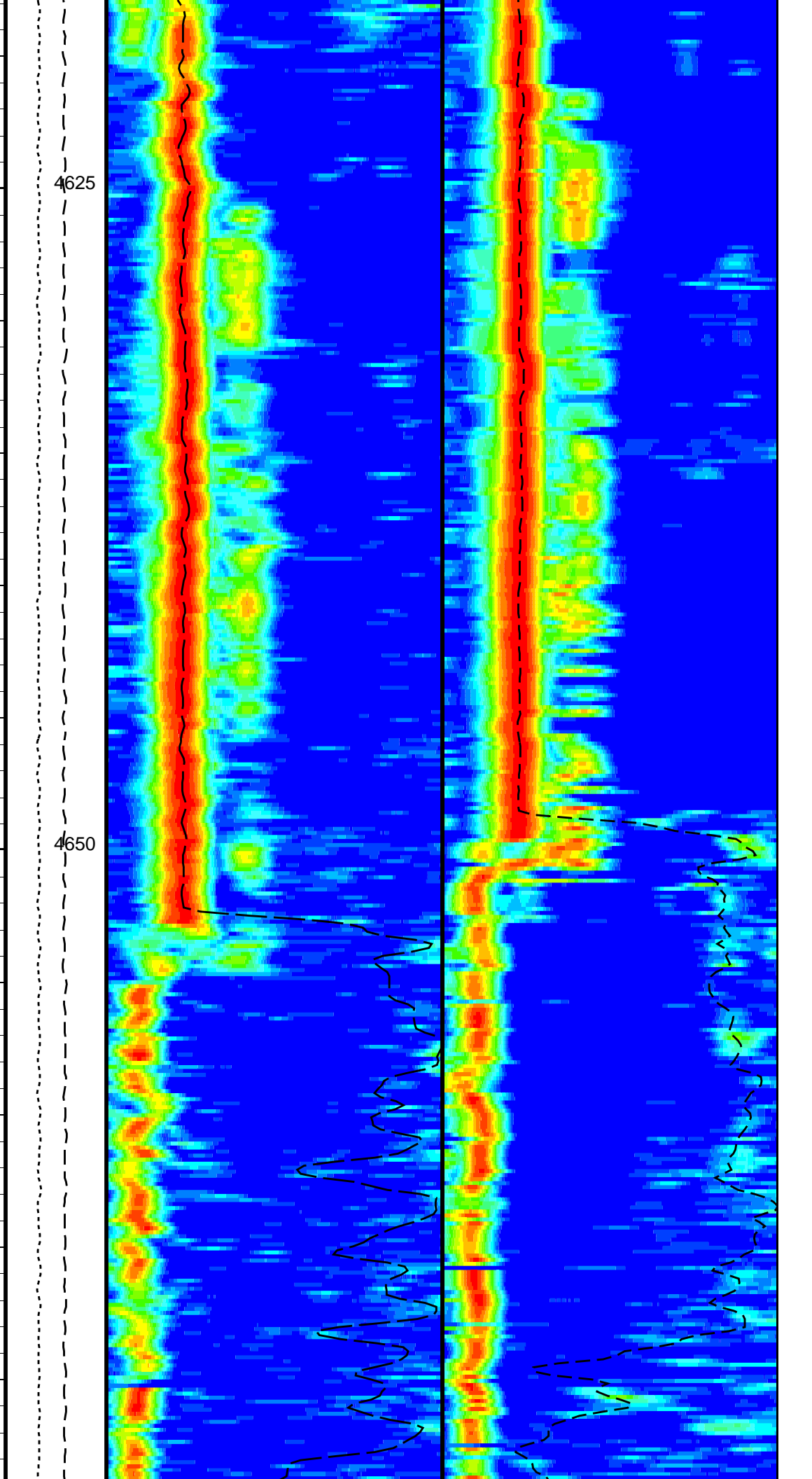
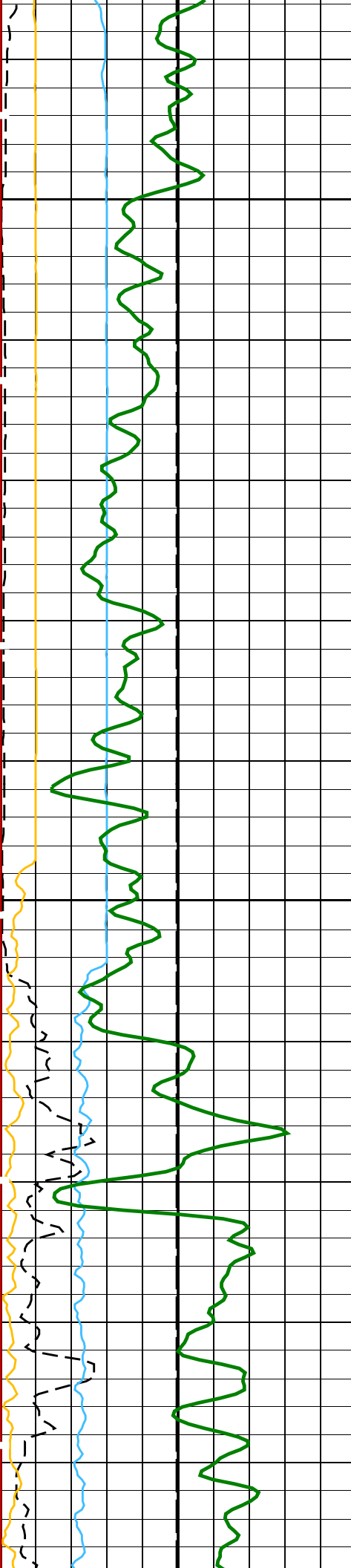


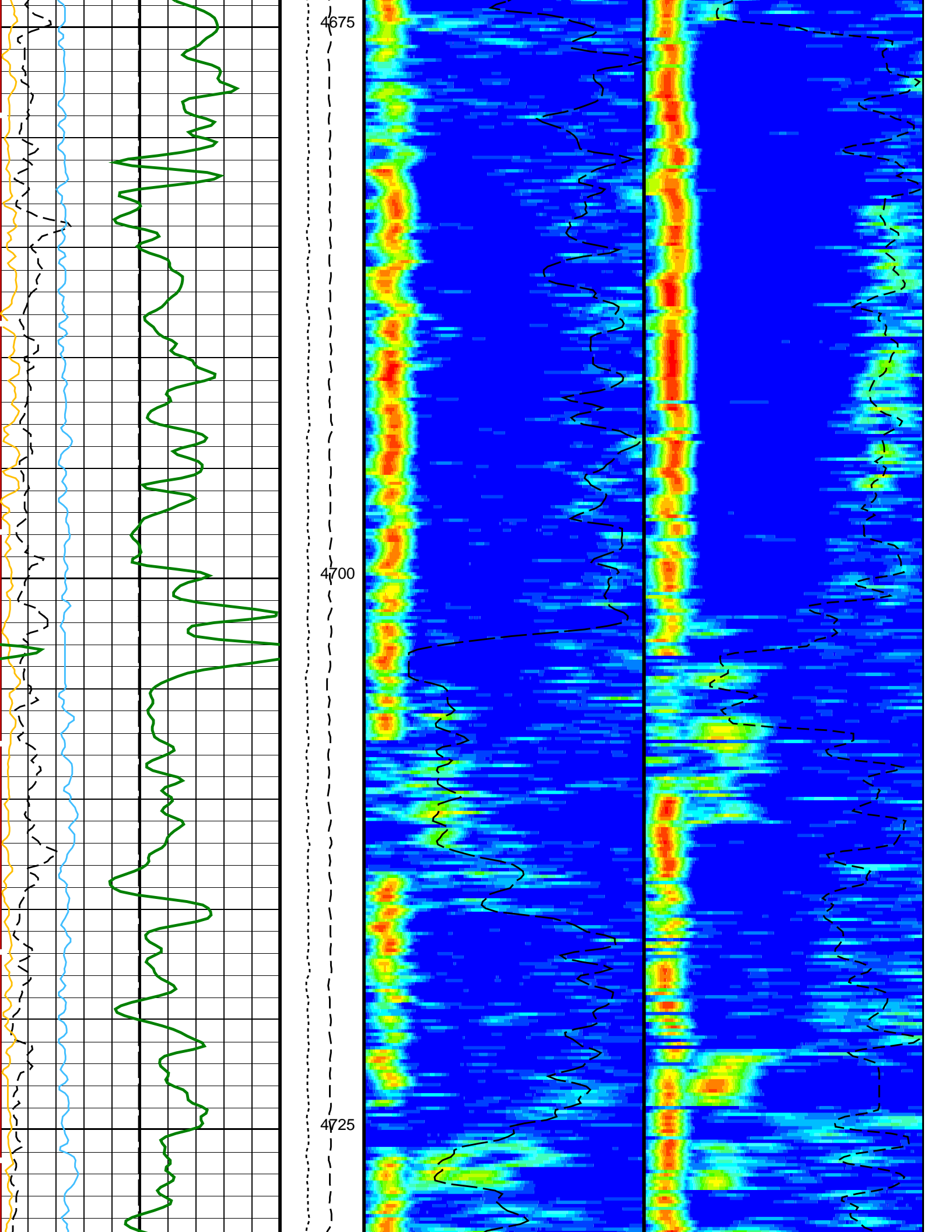


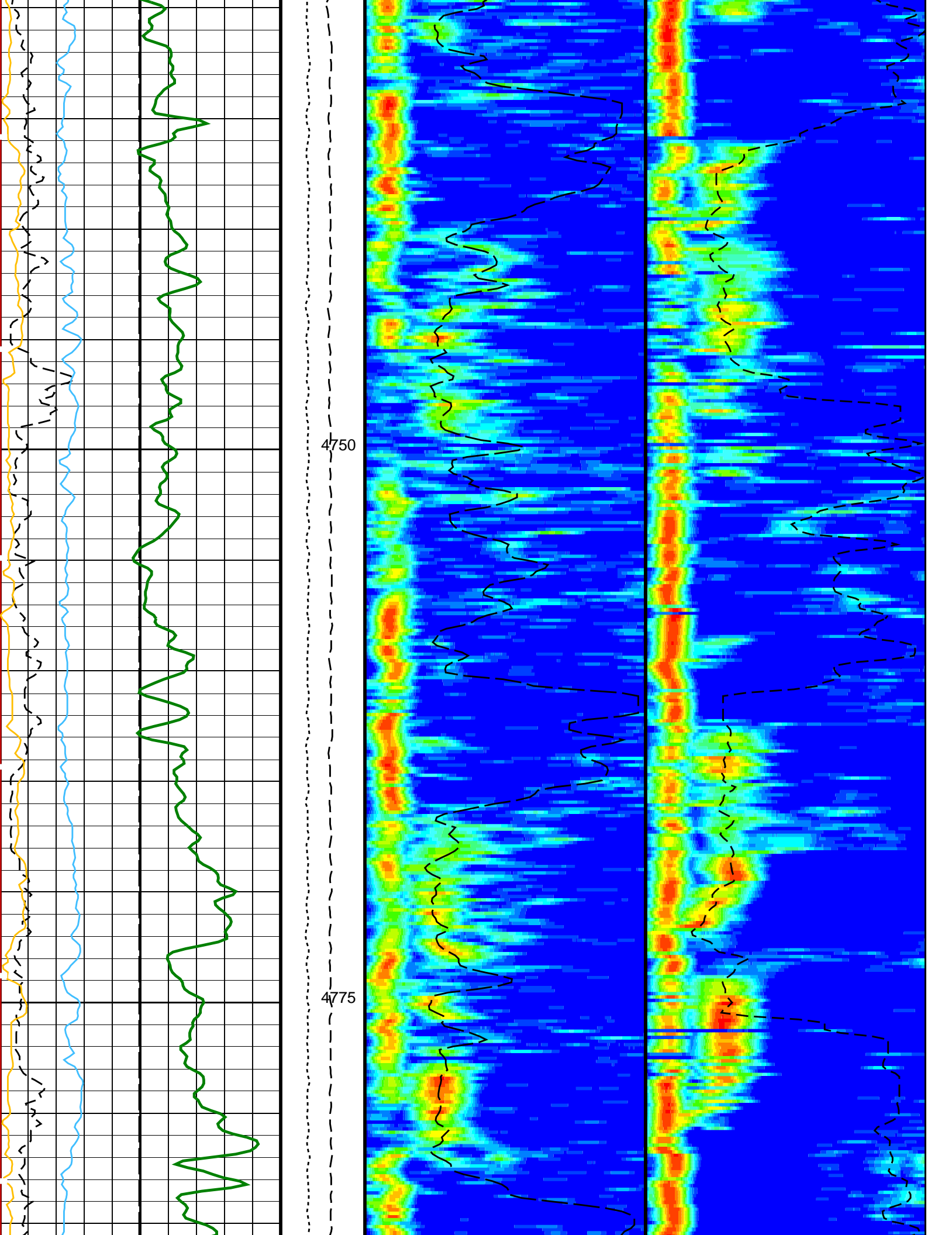


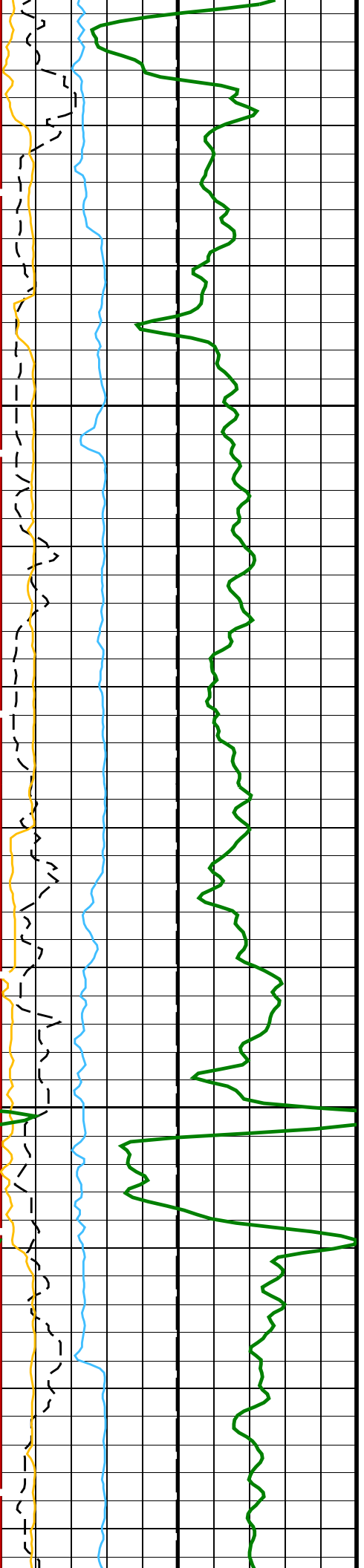






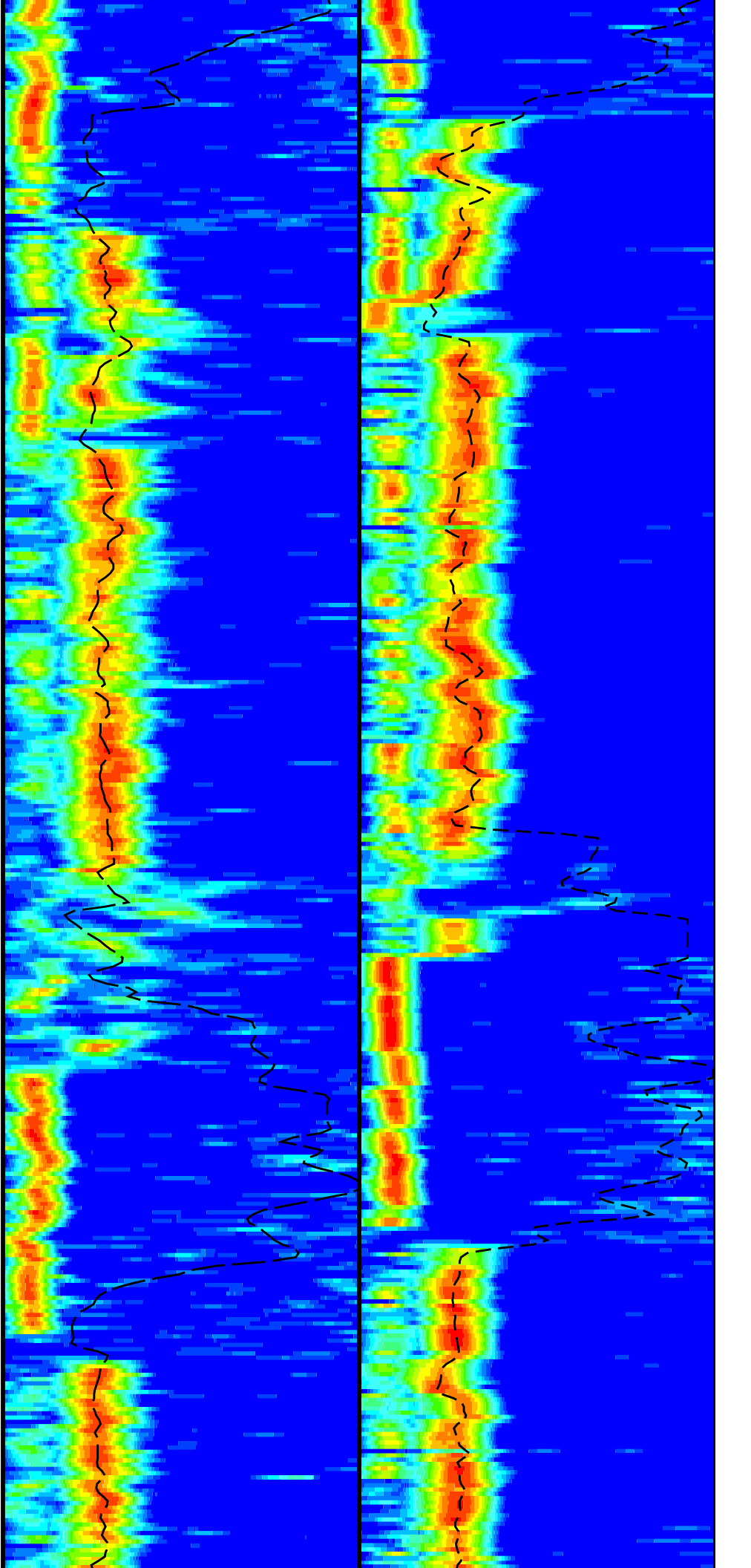


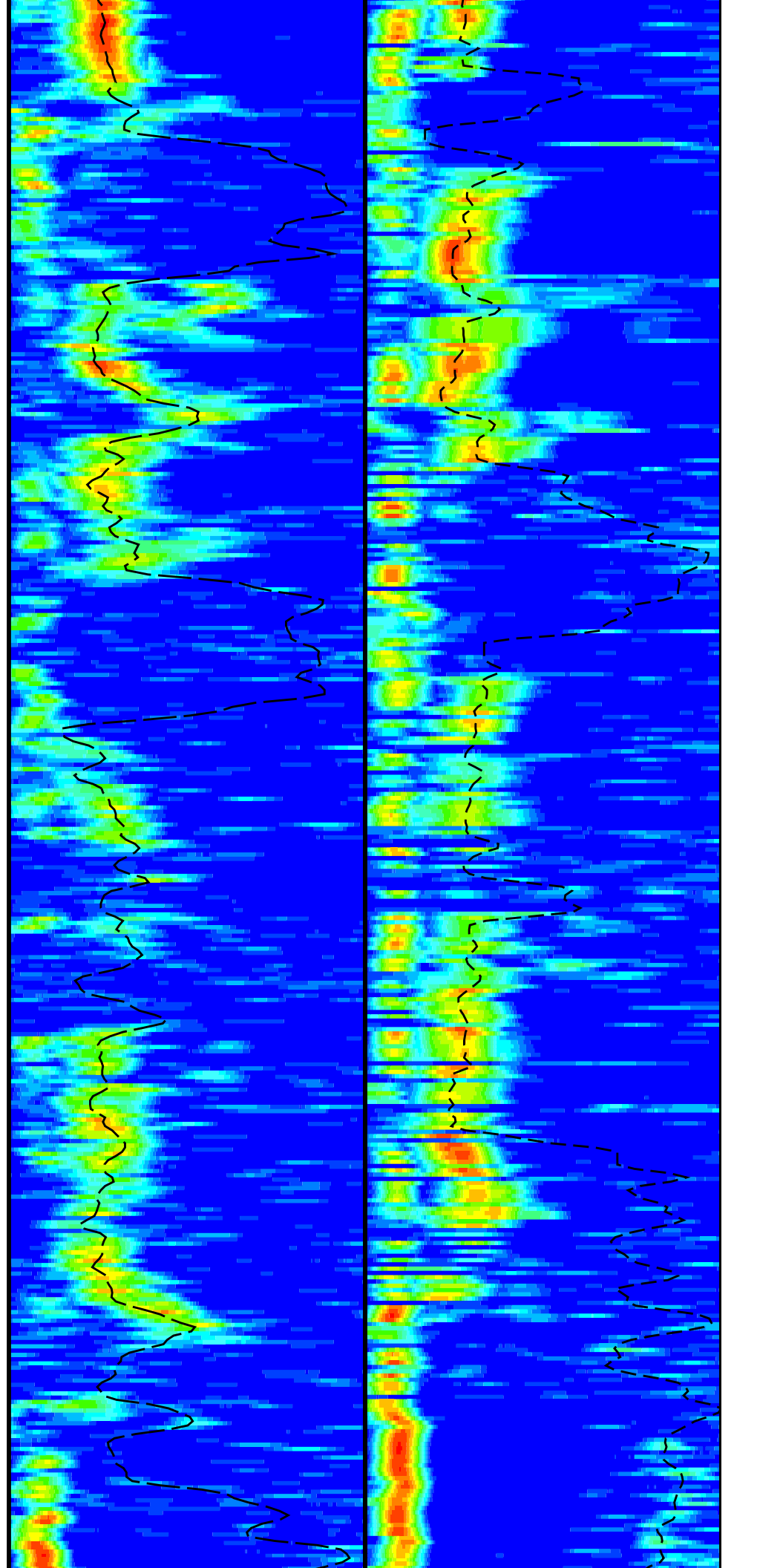
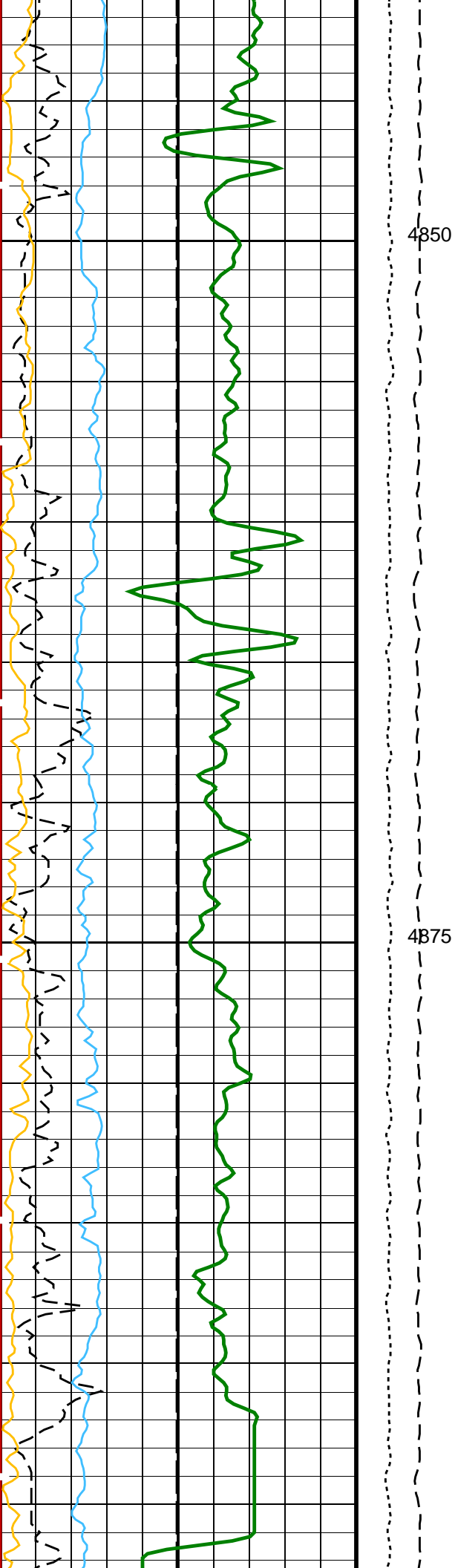


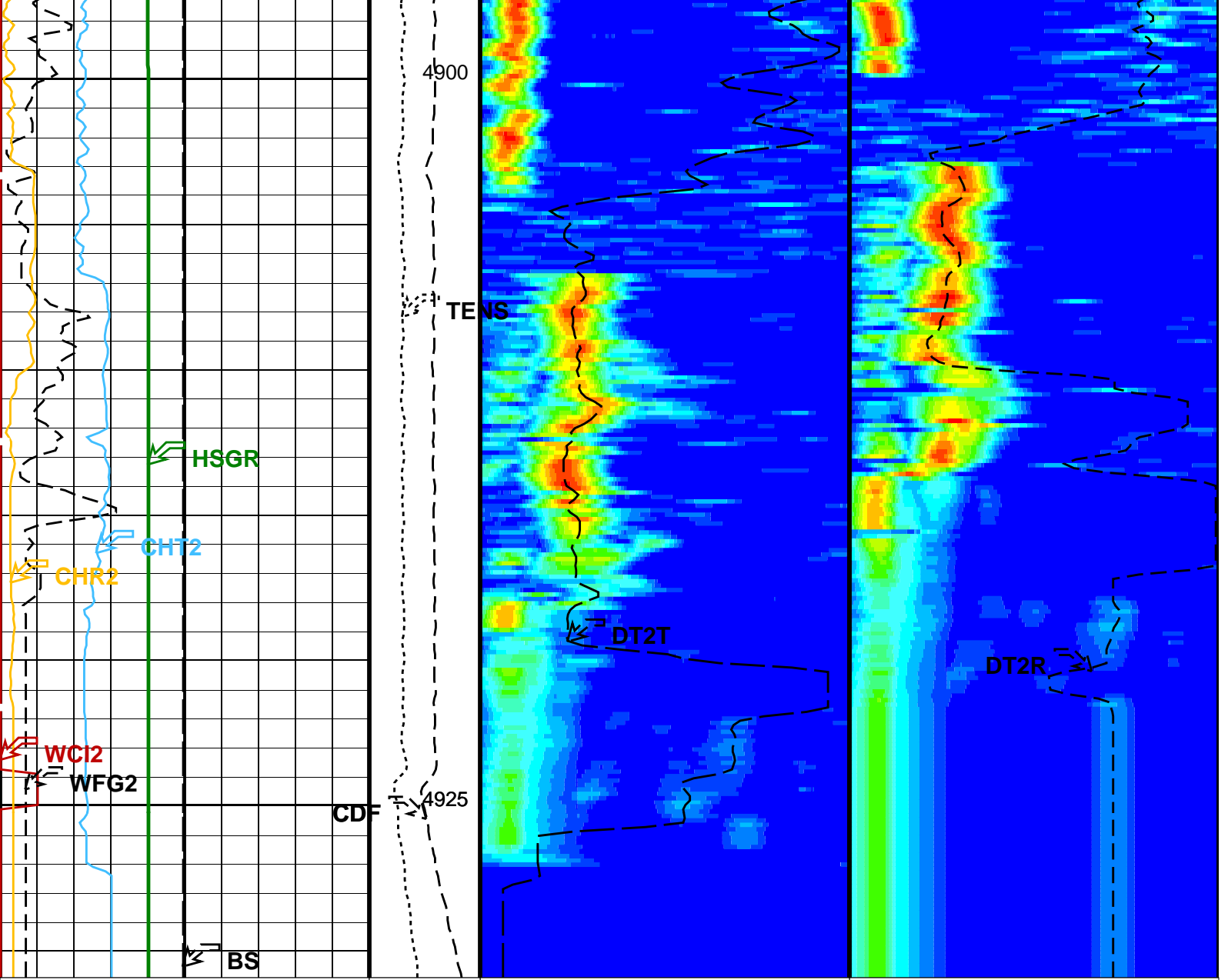


4800

4825







0	Bit Size (BS) (IN)	20	10000	0	Tension (TENS) (LBF)	40	Delta-T Shear / TA - Upper Dipole (DT2T) (US/F)	1040	40	Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)	1040	
0	SAM2 Waveform Gain (WFG2) (----)	1000	5000	0	Calibrated Downhole Force (CDF) (LBF)	40	Min	Amplitude	Max	Min	Amplitude	Max
							Tr.Array U.Dipole Slow Proj. CVDL (SPT2) (US/F)	1040		Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)	1040	

0	Waveform Data Copy Indicator 2 - Upper Dipole (WCI2) (----)	10
0	Peak Coherence / RA - Upper Dipole (CHR2) (----)	10
-2	Peak Coherence / TA - Upper Dipole (CHT2) (----)	8
0	HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	100

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager - B			
BHS	Borehole Status	OPEN	
DDE2	Digitizing Delay 2	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source - Dipole Shear	USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	40	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1040	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
GCSE	Generalized Caliper Selection	LCAL	
NWI2	Number Waveform Items 2	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status - Upper Dipole	255	
SBO2	STC Search Band Offset - Upper Dipole	3000	US
SBW2	STC Search Bandwidth - Upper Dipole	8000	US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE	
SFM2	STC Filter - Upper Dipole	B1-2K	
SLL2	STC Slowness Lower Limit - Upper Dipole	40	US/F
SST2	STC Slowness Step - Upper Dipole	4	US/F
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit - Upper Dipole	1040	US/F
SWD2	STC Slowness Width - Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill - Upper Dipole	0	US
TLL2	STC Time Lower Limit - Upper Dipole	600	US
TST2	STC Time Step - Upper Dipole	200	US
TUL2	STC Time Upper Limit - Upper Dipole	18440	US
TWD2	STC Time Width - Upper Dipole	2000	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFM2	Waveform Mode 2	W1	
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
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	10.75	IN
CSD2	Outer Casing Outer Diameter	10.75	IN
CSW1	Inner Casing Weight	45	LB/F
CSW2	Outer Casing Weight	45	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00192069	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.992004	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.990962	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN

OP System Version: 19C0-187

DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_030LUP	FN:35	PRODUCER	06-Apr-2017 18:03	4930.9 M	3798.9 M
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Output DLIS Files

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BACKUP	DSI_HRLA_LDL_NGS_038PUP	FN:52	PRODUCER	06-Apr-2017 20:24		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_030LUP	FN:35	PRODUCER	06-Apr-2017 18:03	4930.9 M	3798.9 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_038PUP	FN:51	PRODUCER	06-Apr-2017 20:24	4930.9 M	3798.9 M
BACKUP	DSI_HRLA_LDL_NGS_038PUP	FN:52	PRODUCER	06-Apr-2017 20:24	4930.9 M	3798.9 M

OP System Version: 19C0-187

DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

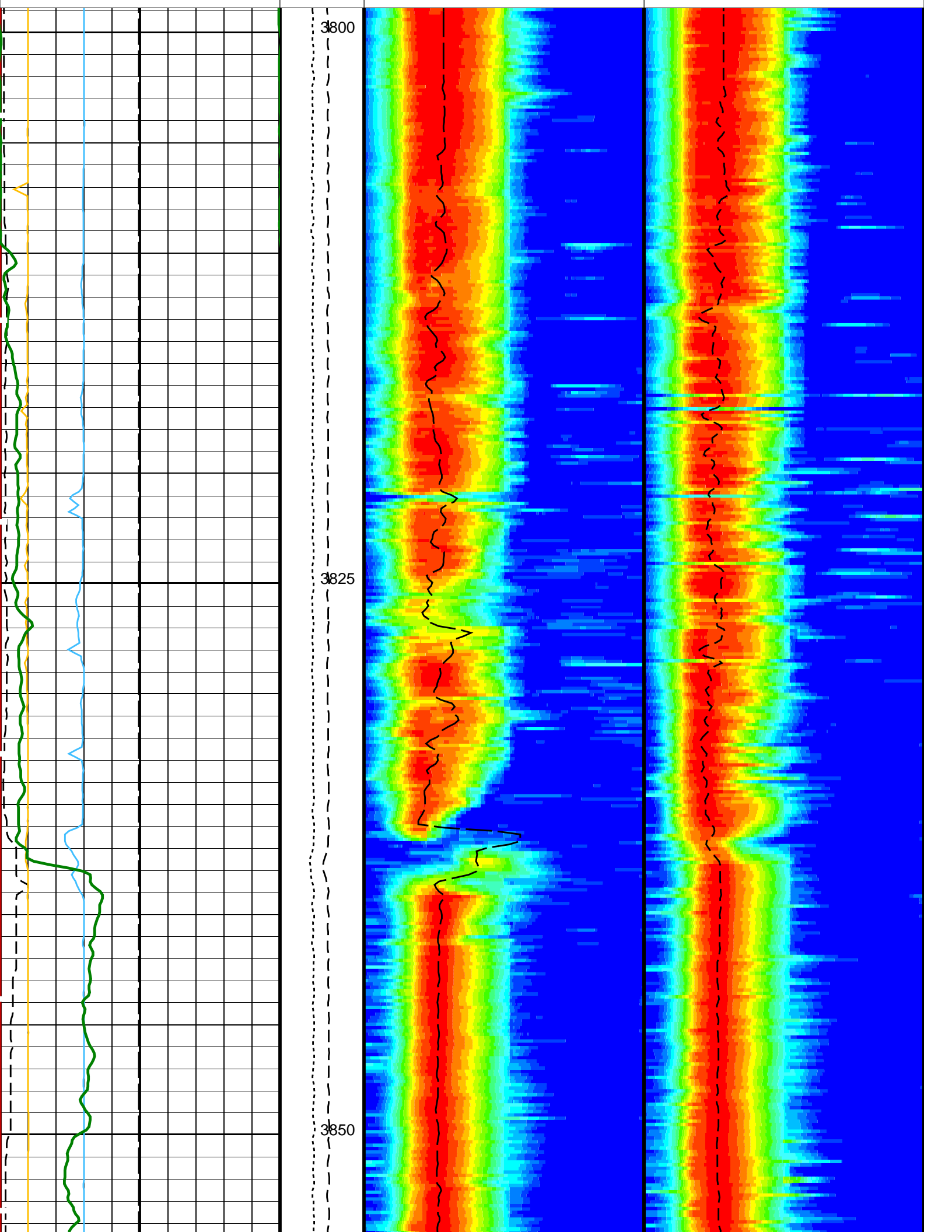
PIP SUMMARY

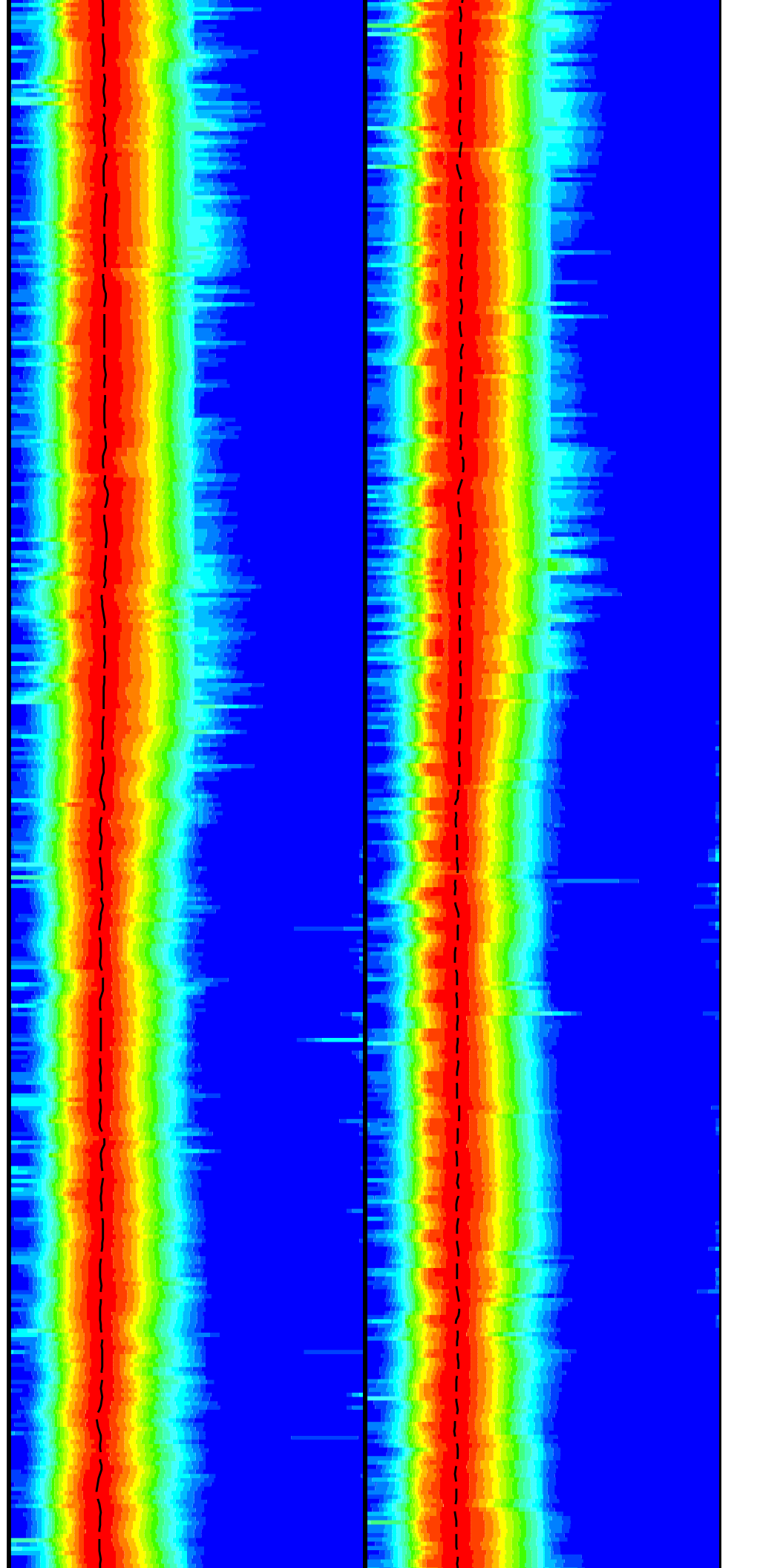
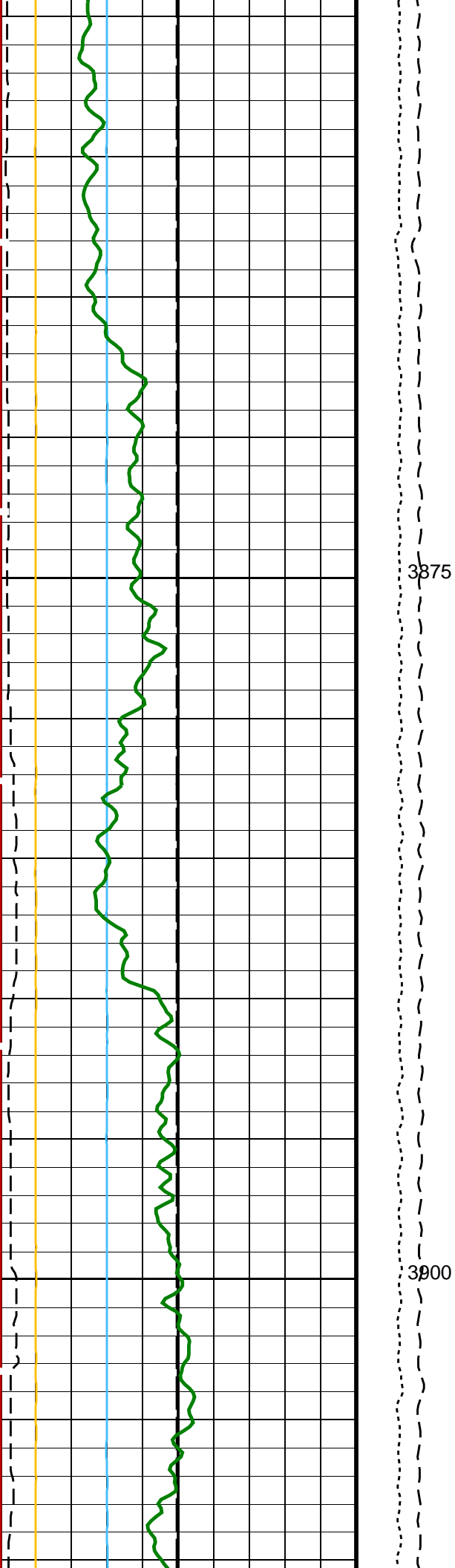
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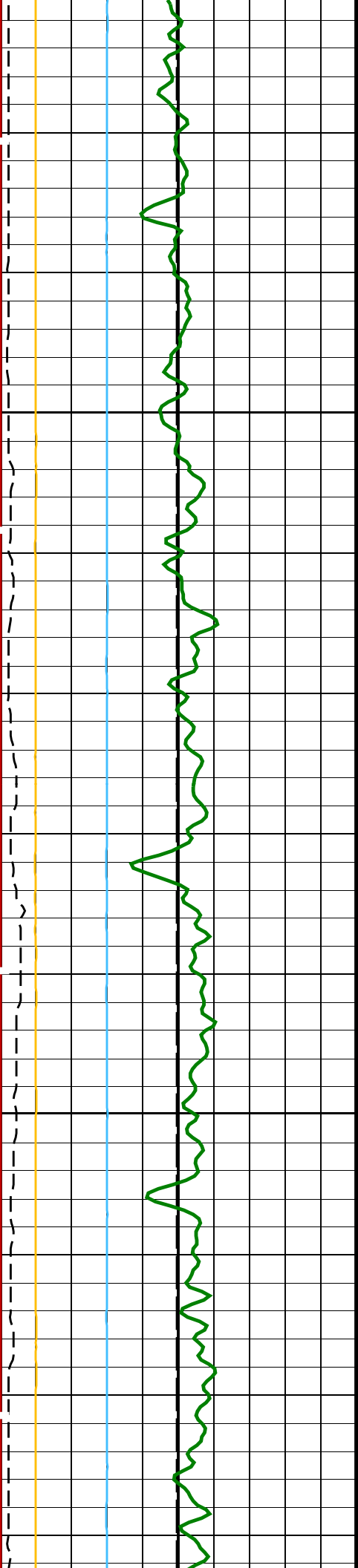
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<b style="color: orange;">Peak Coherence / RA - Lower Dipole (CHR1) 0 (----) 10	
<b style="color: red;">Waveform Data Copy Indicator 1 - Lower Dipole (WC1) 0 (----) 10	

SAM1 Waveform Gain (WFG1) 0 (----) 1000	Calibrated Downhole Force (CDF) (LBF) 5000 0	Min Max Tr.Array L.Dipole Slow Proj. CVDL (SPT1) (US/F) 40 1040	Min Max Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F) 40 1040
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Bit Size (BS) (IN) 0 20	Tension (TENS) (LBF) 10000 0	Delta-T Shear / TA - Lower Dipole (DT1T) (US/F) 40 1040	Delta-T Shear / RA - Lower Dipole (DT1R) (US/F) 40 1040
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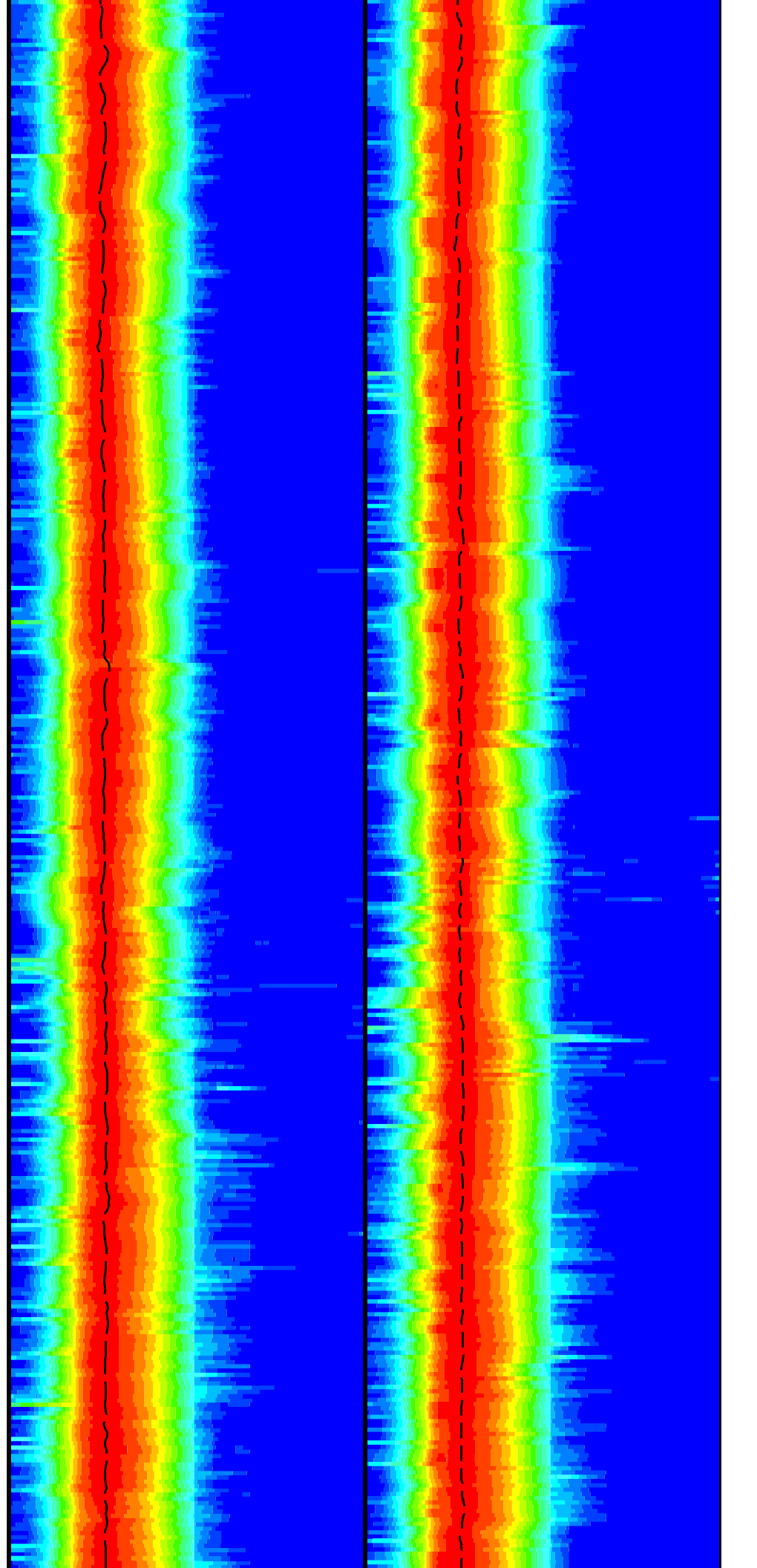


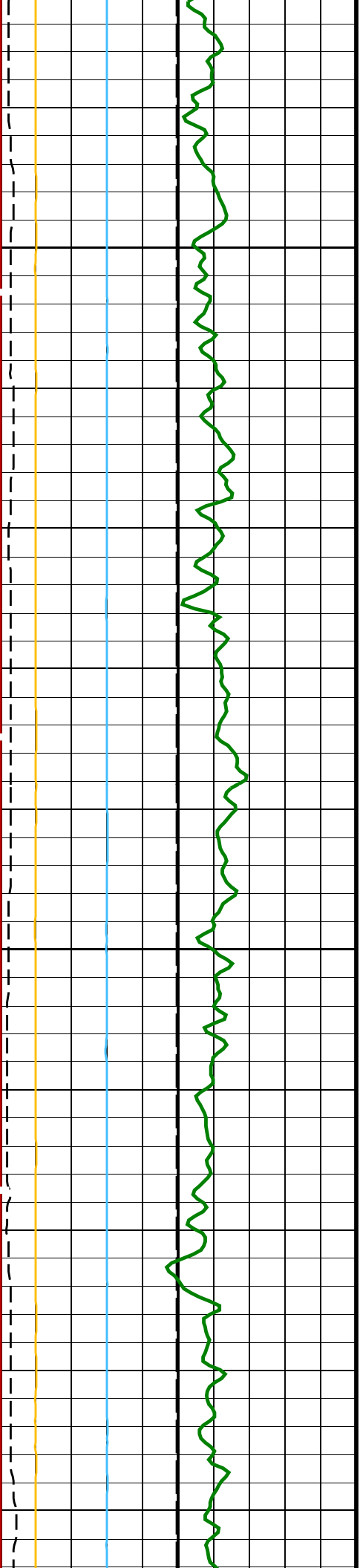




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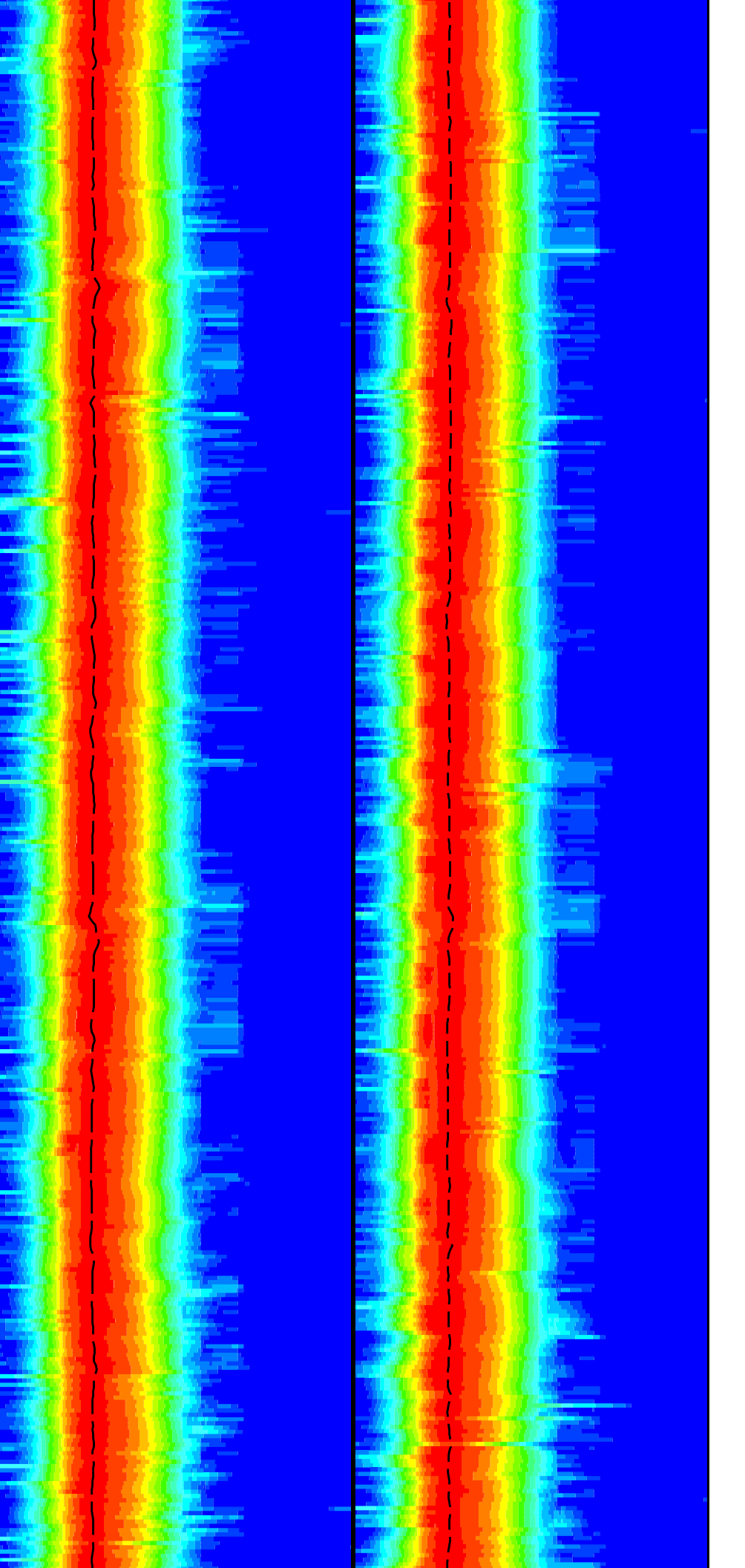
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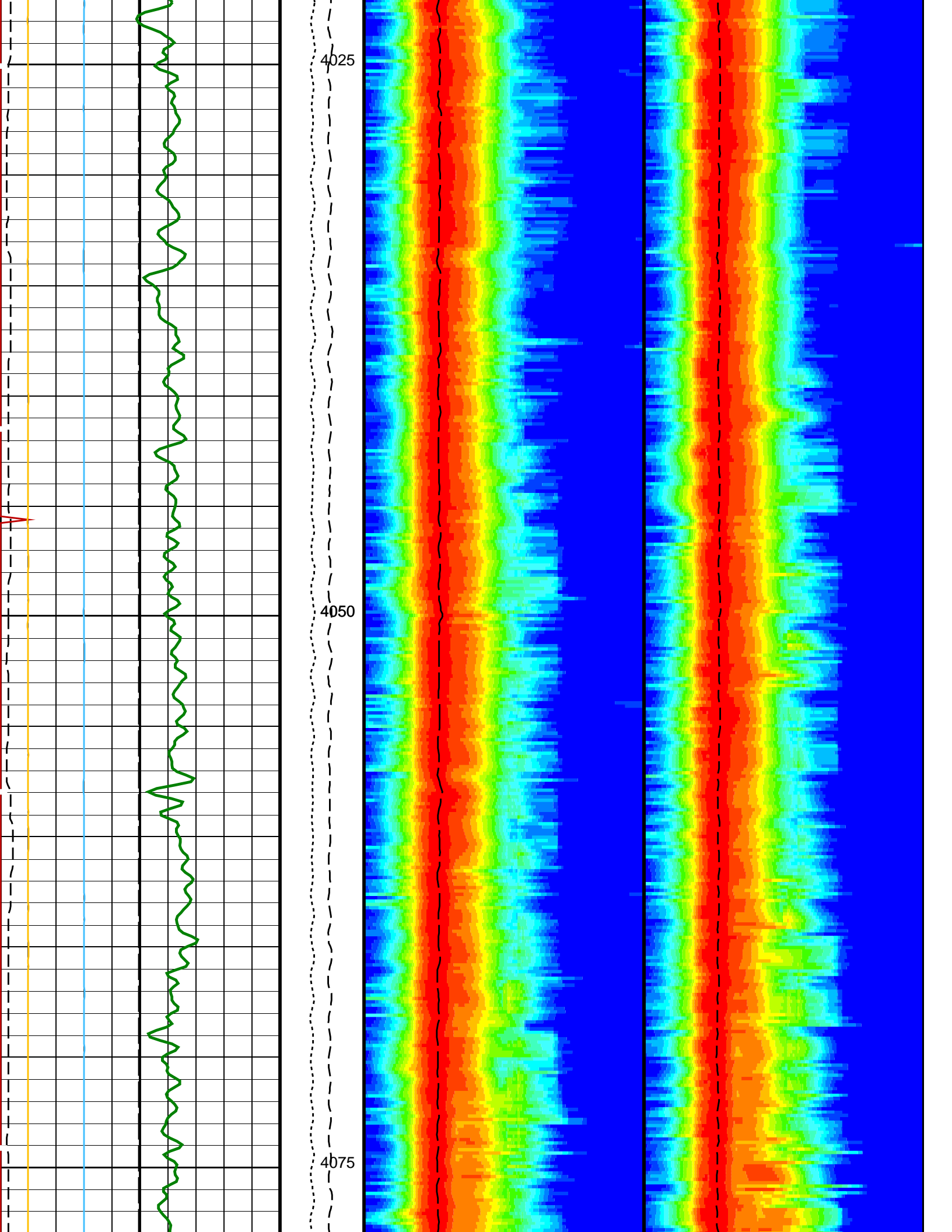


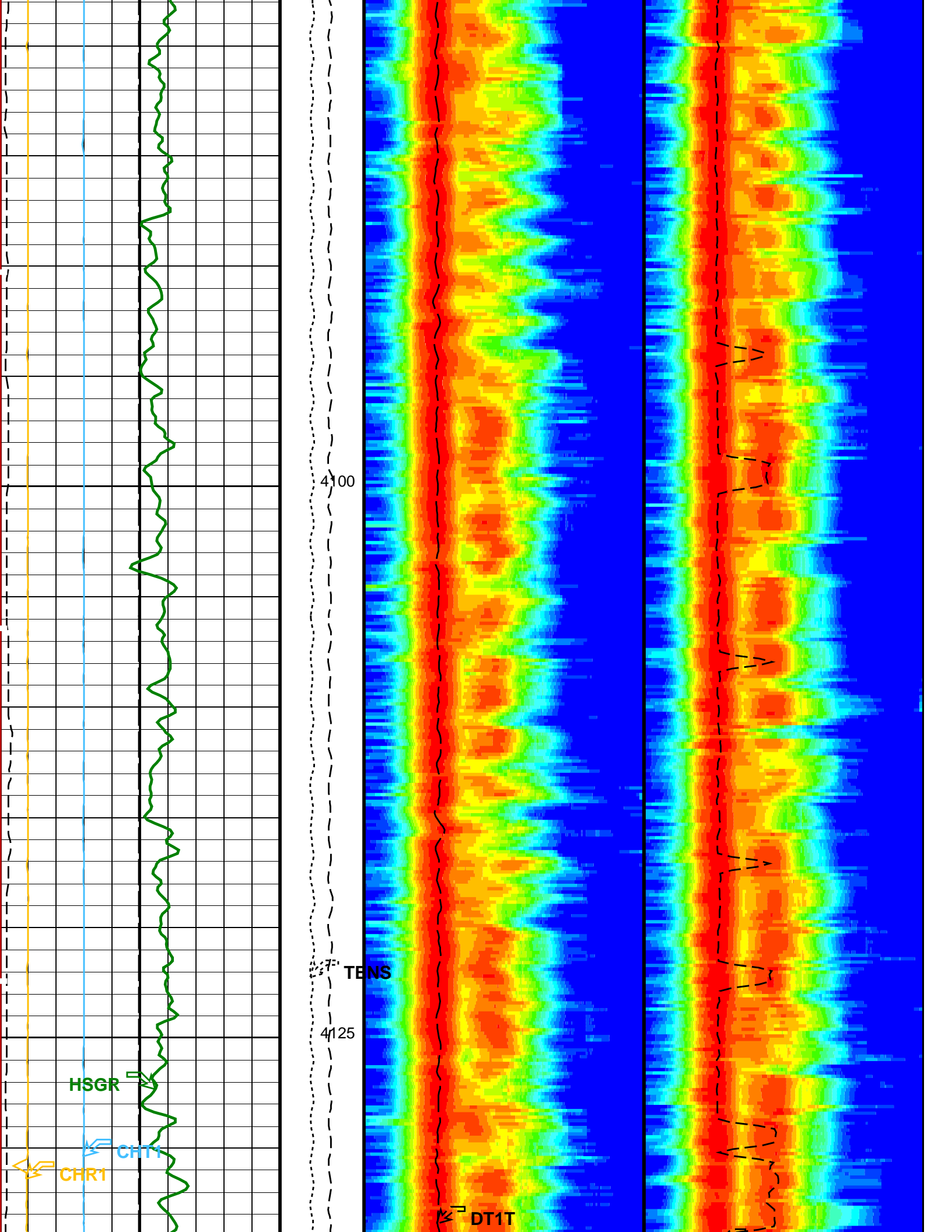


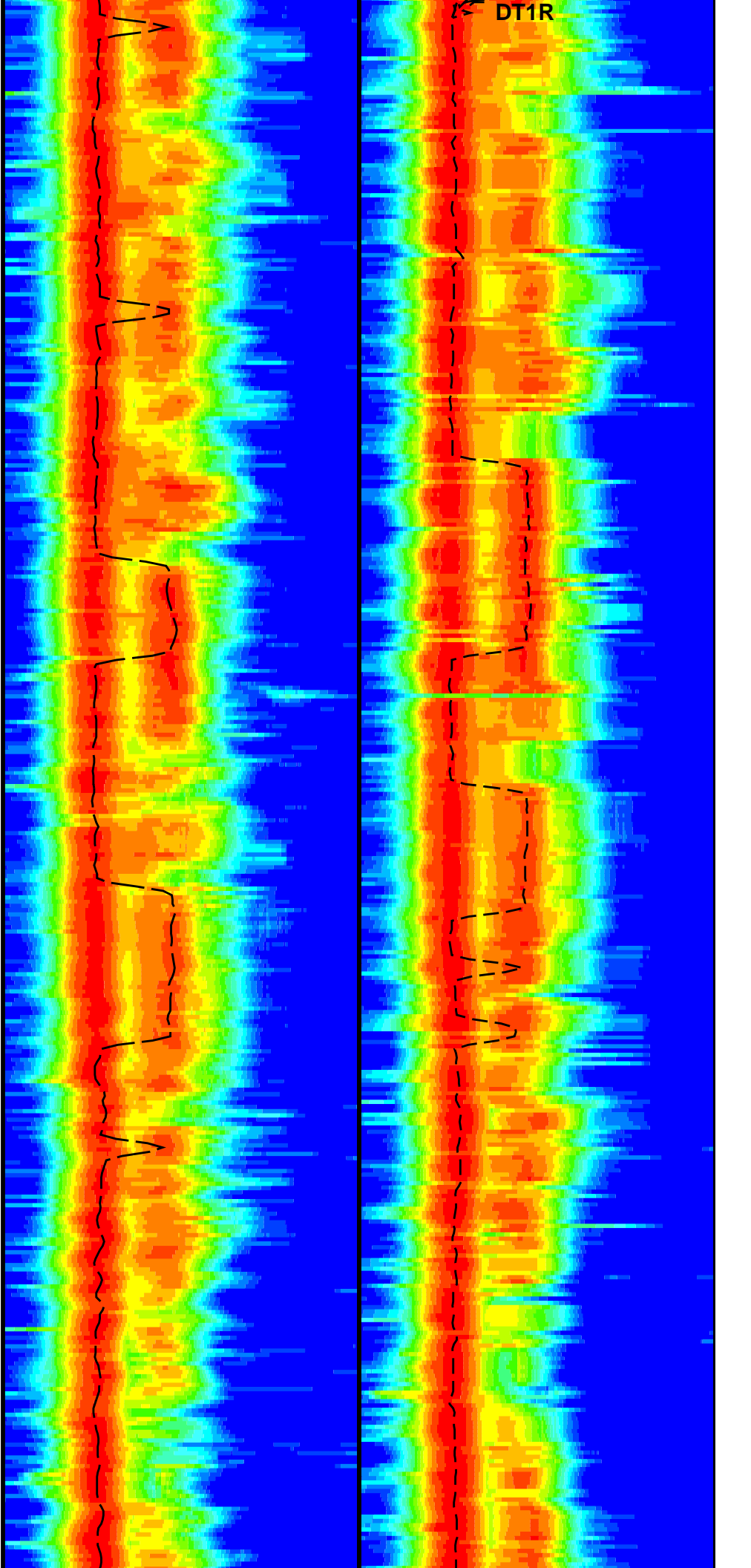
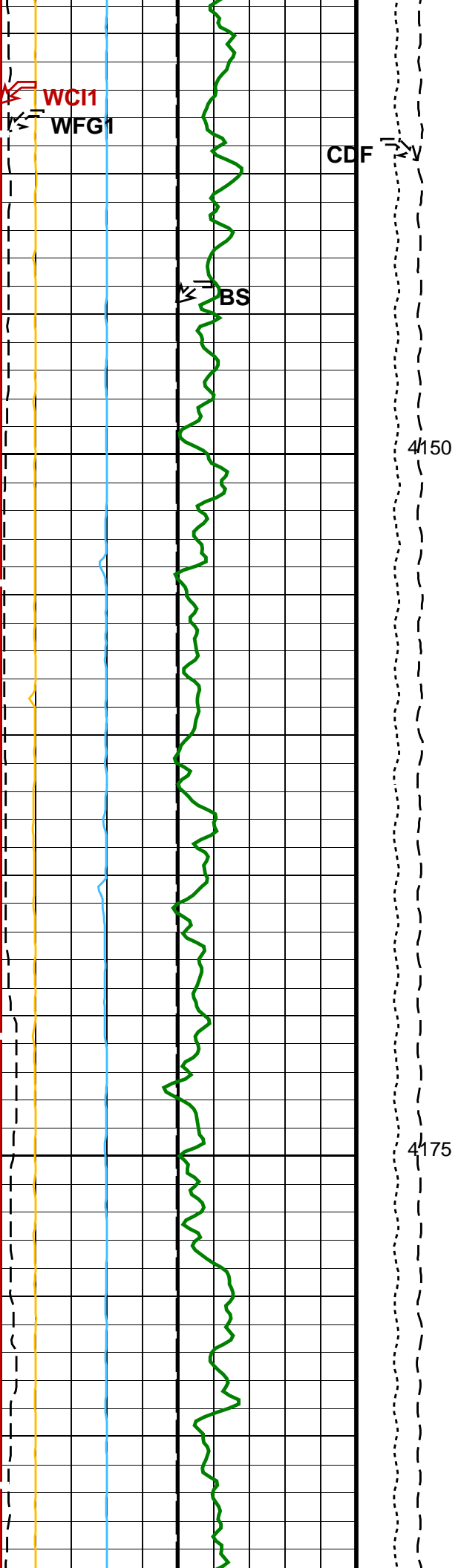
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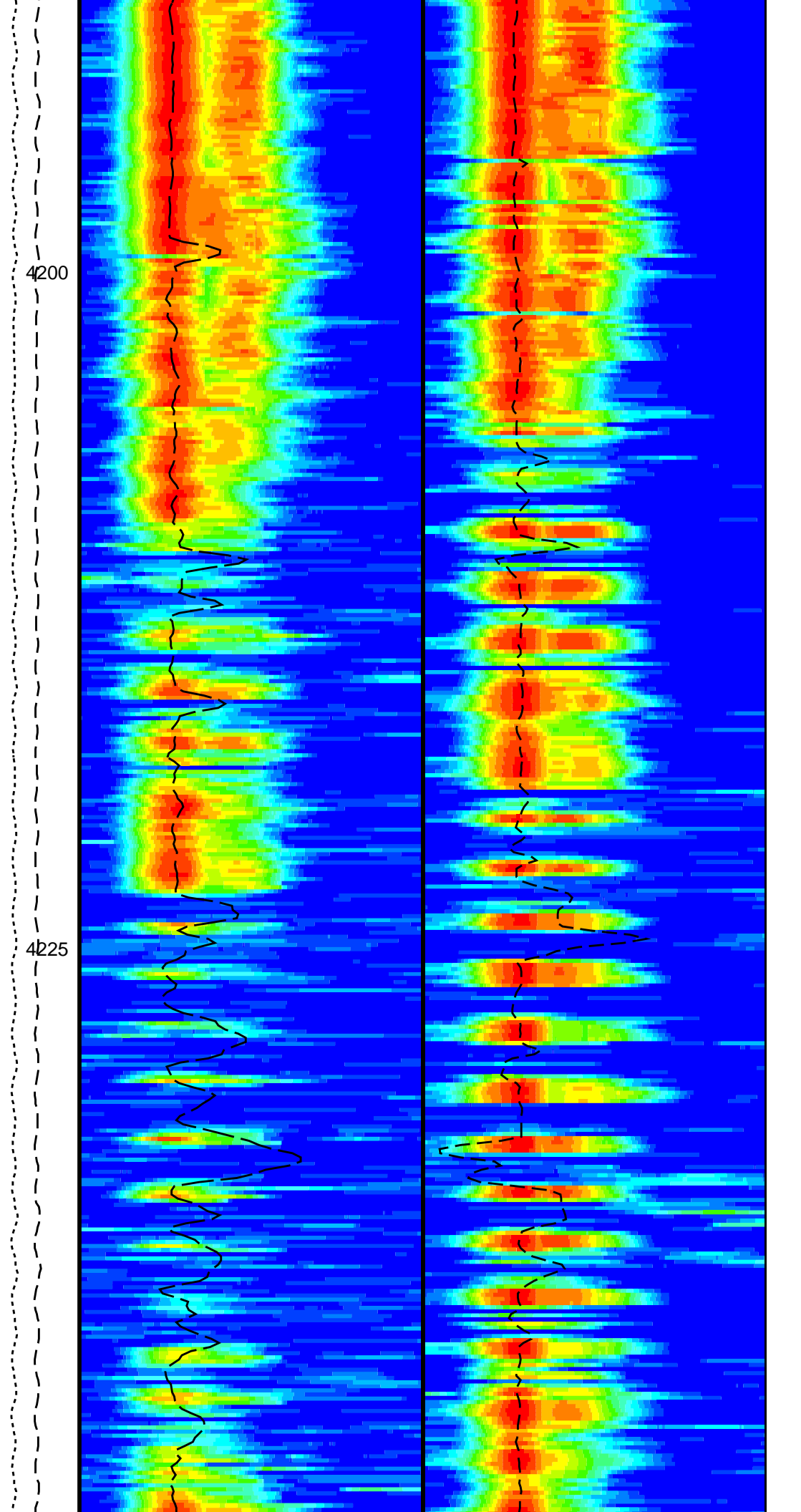
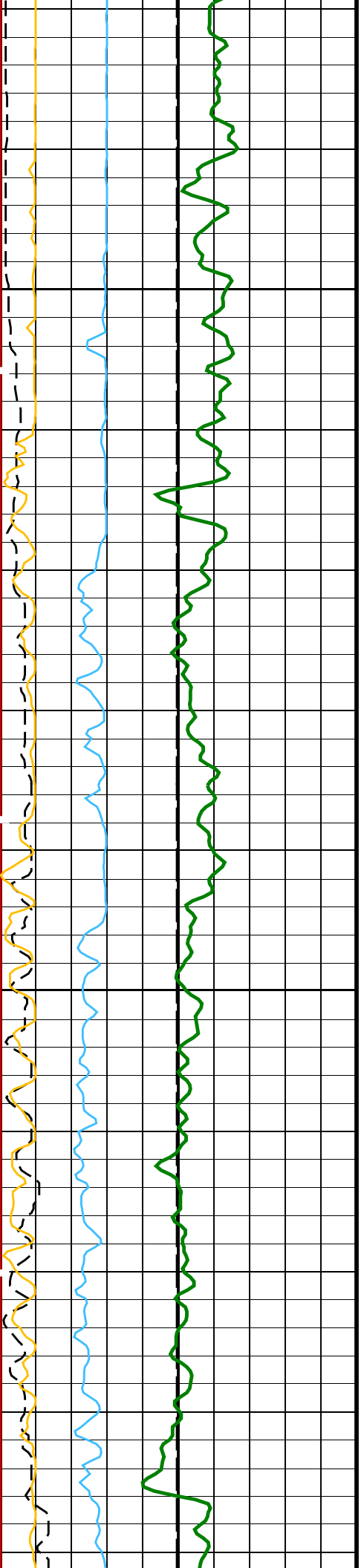
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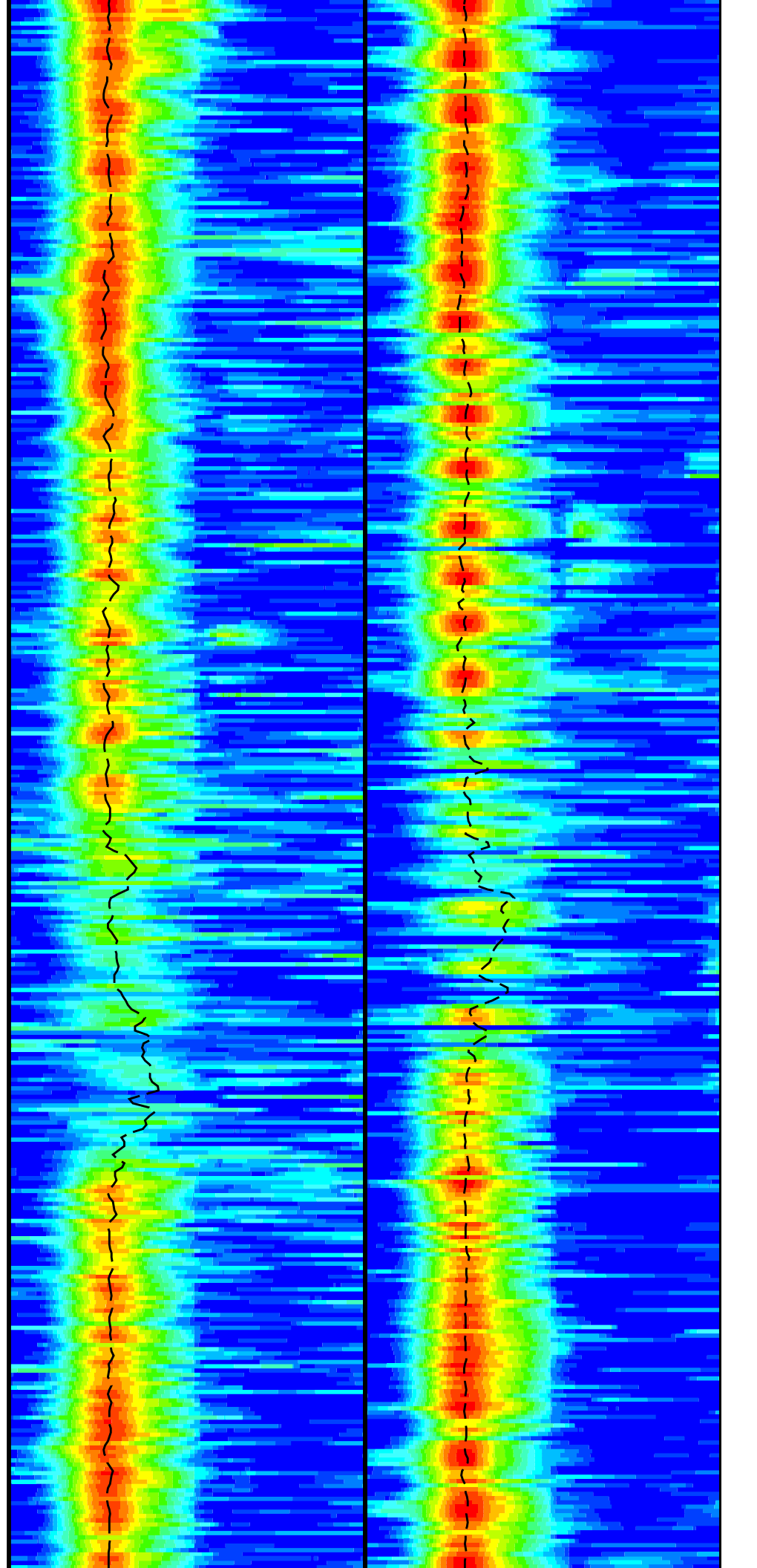
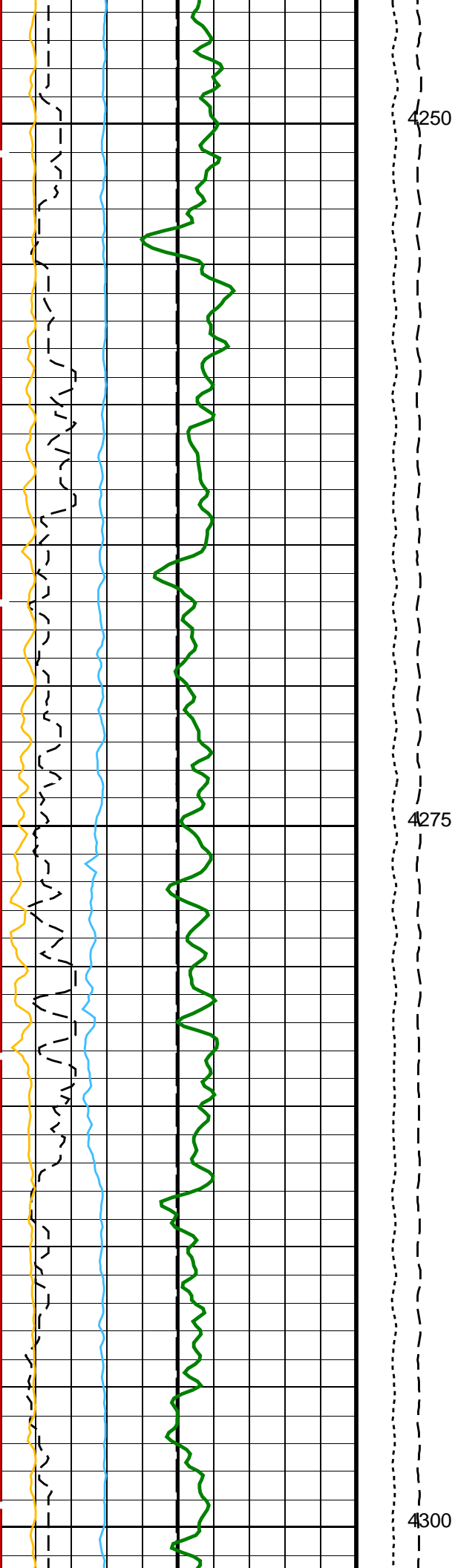


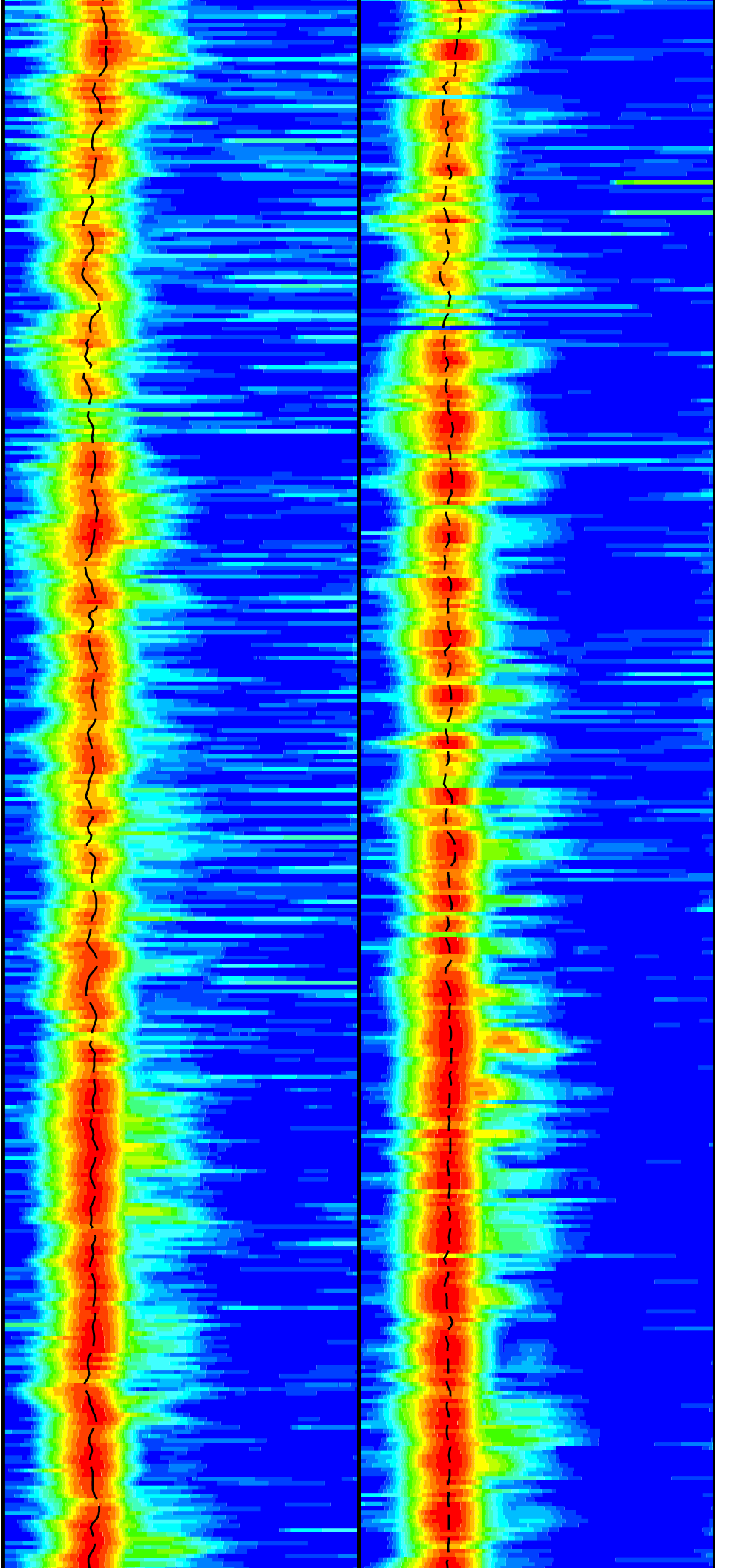
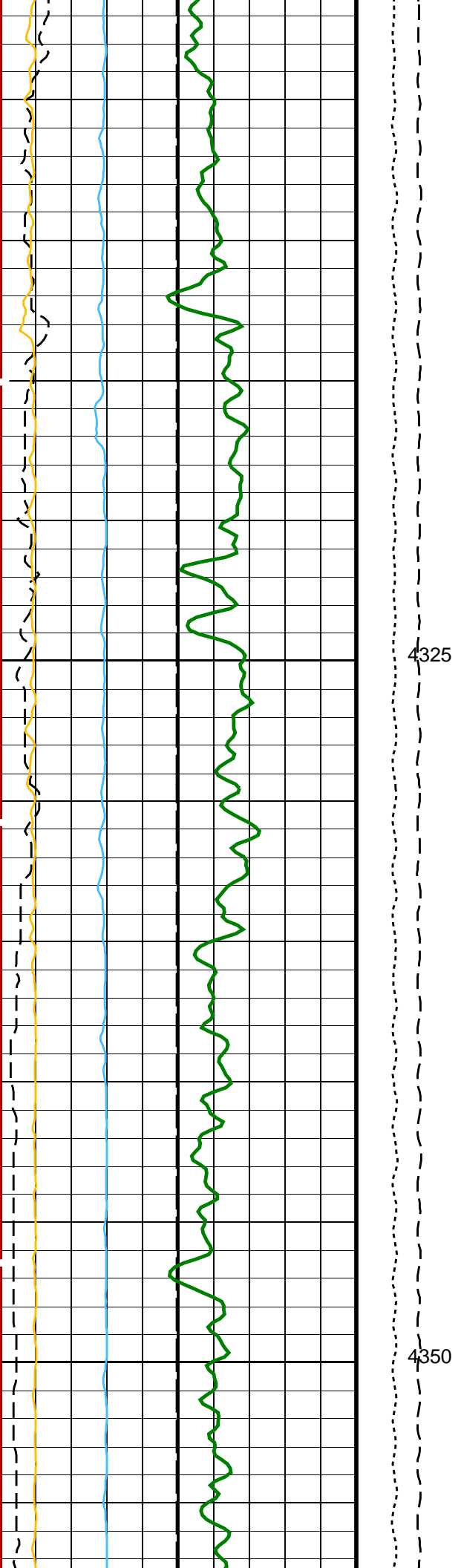


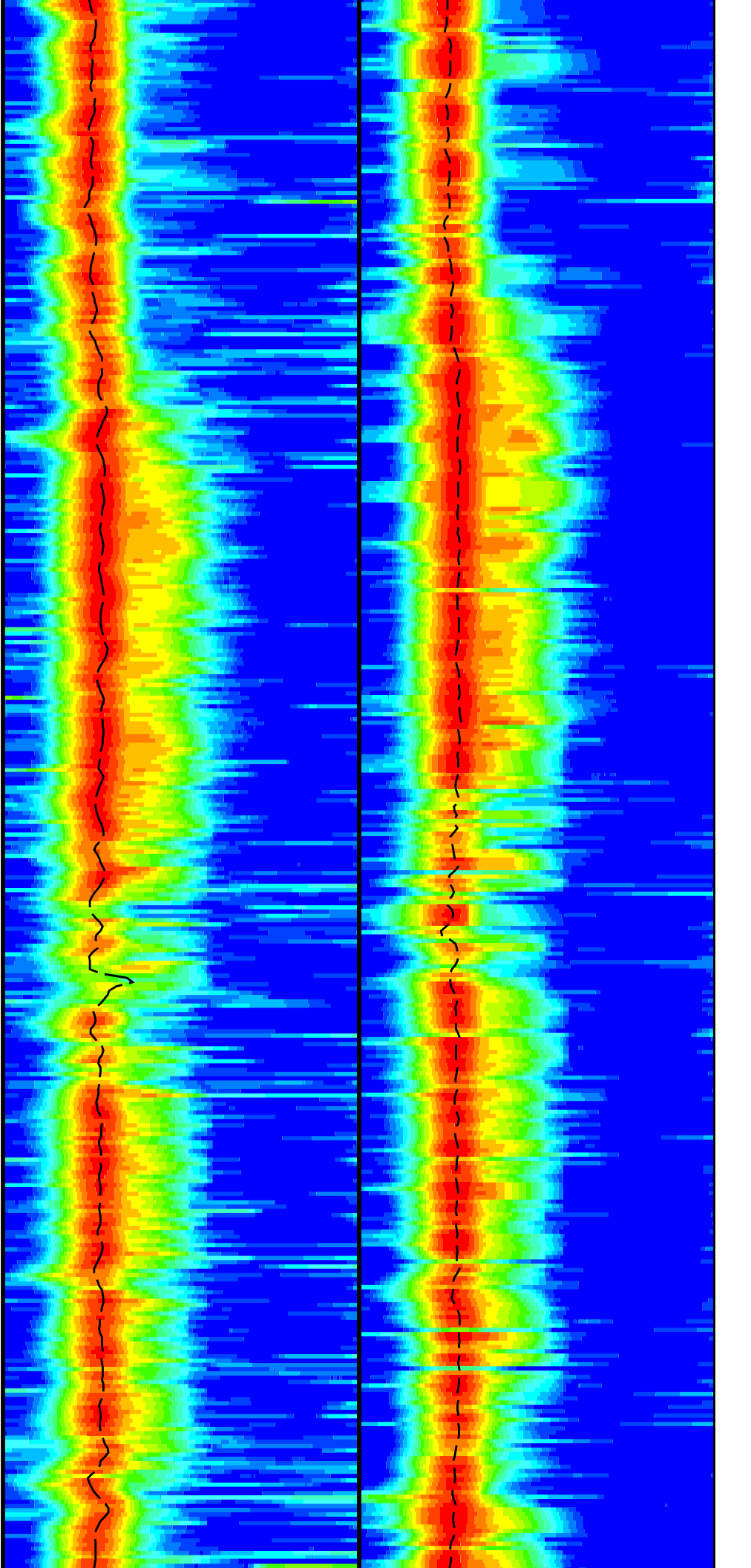
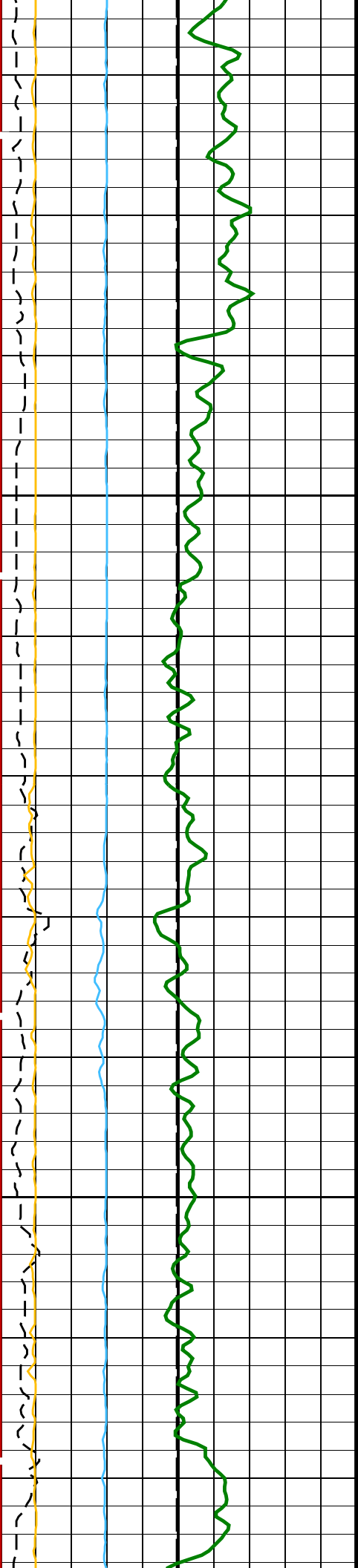


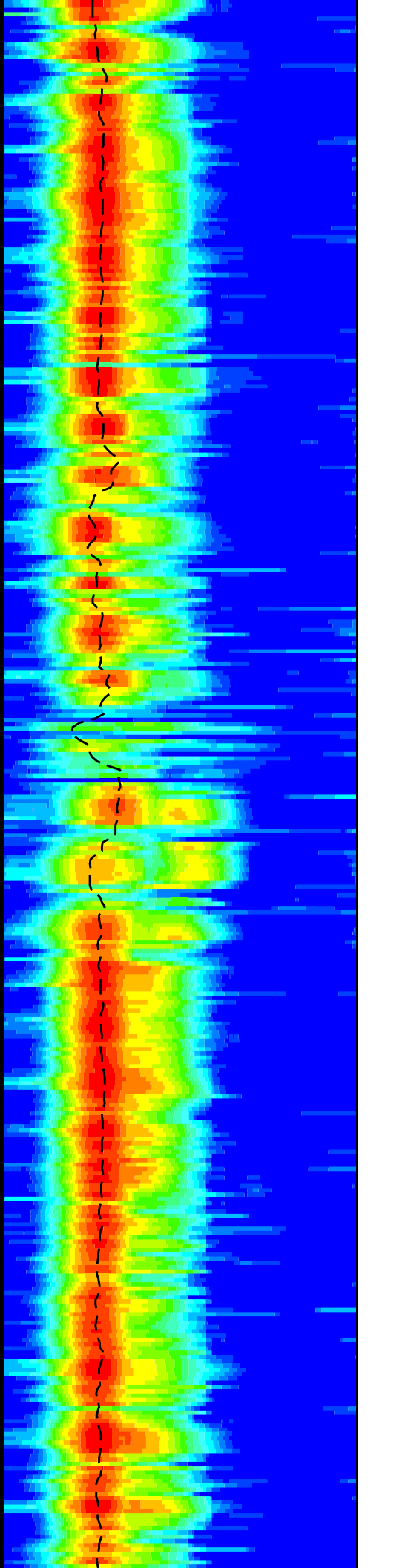
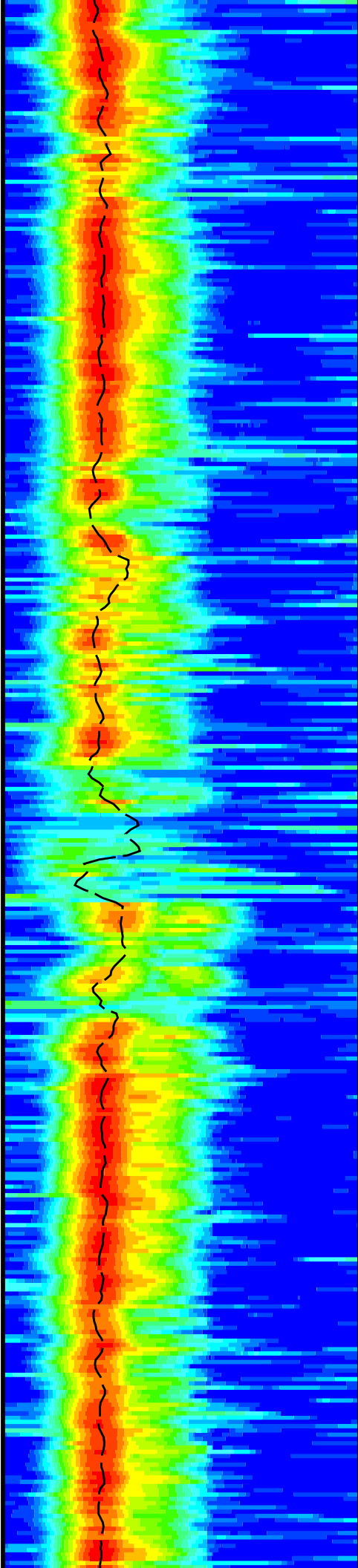
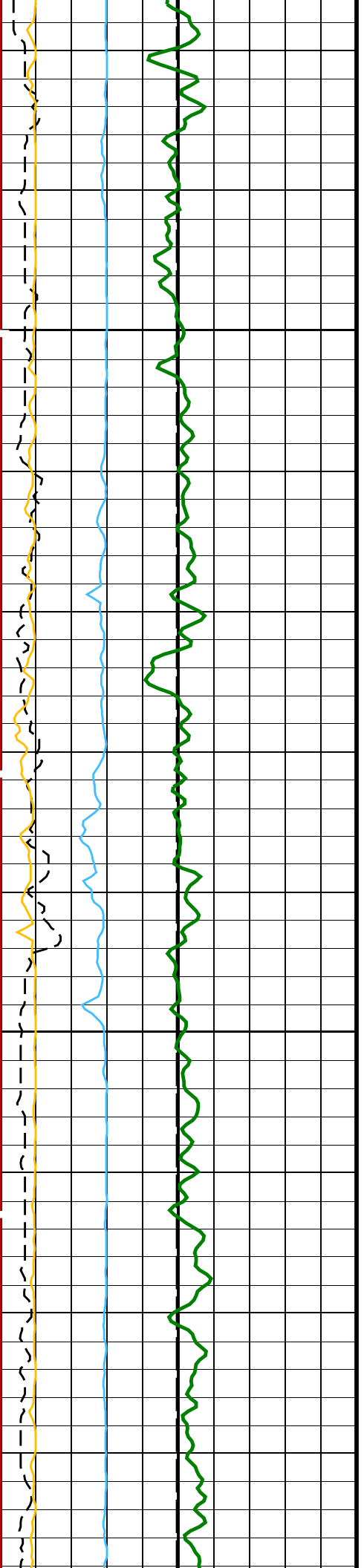


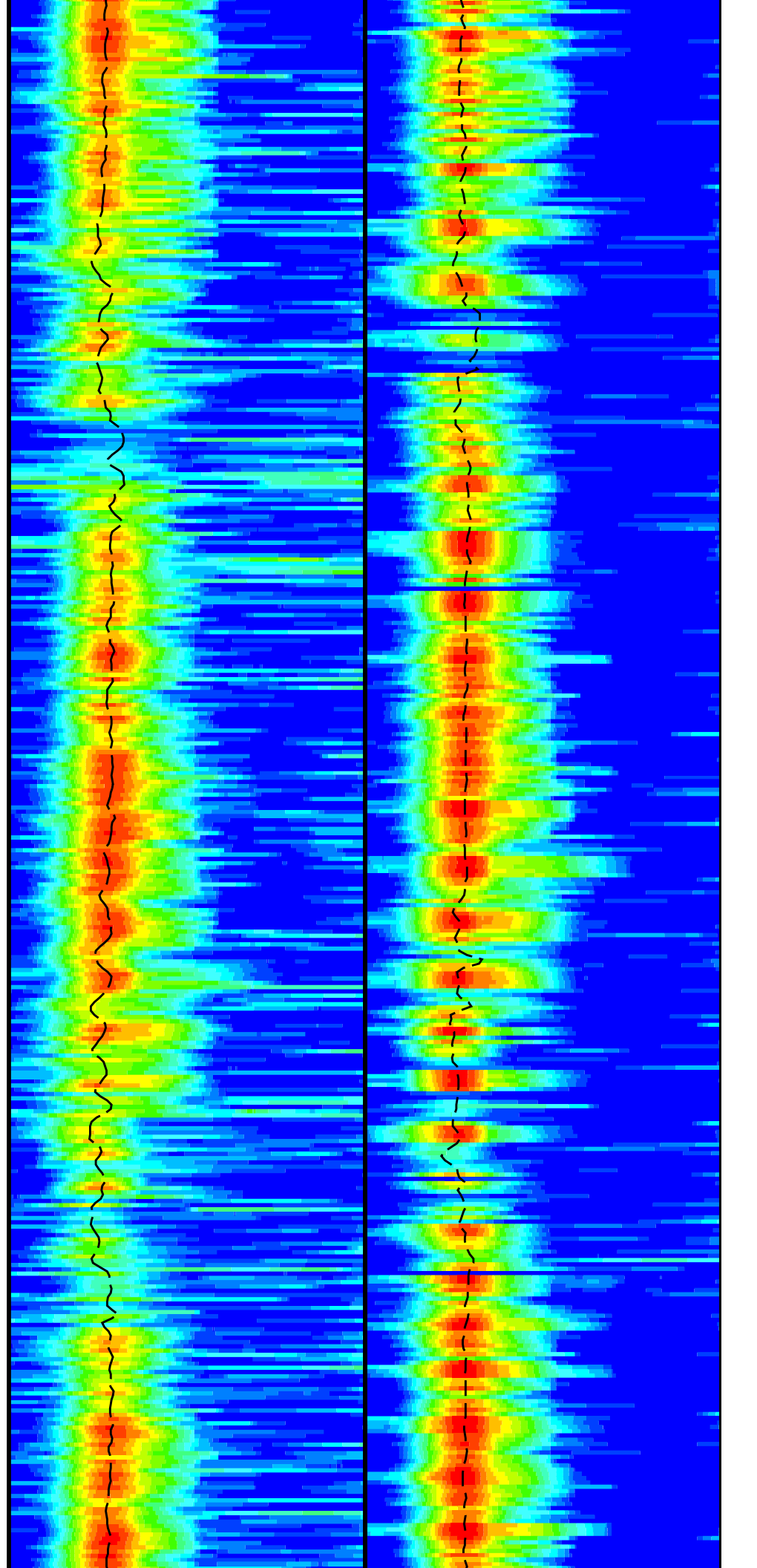
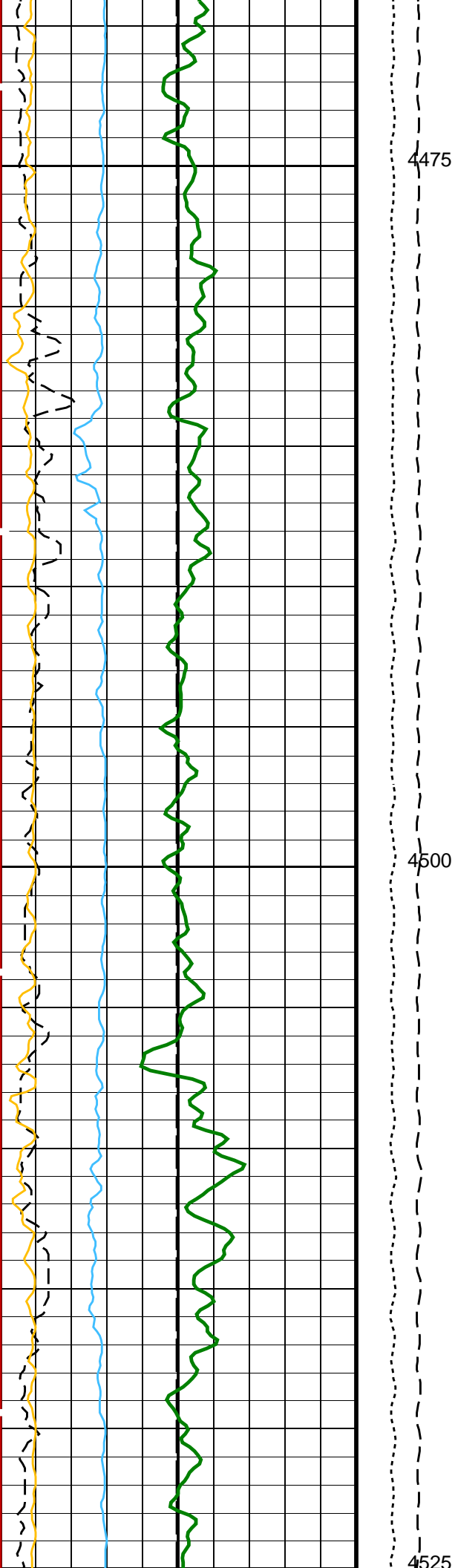


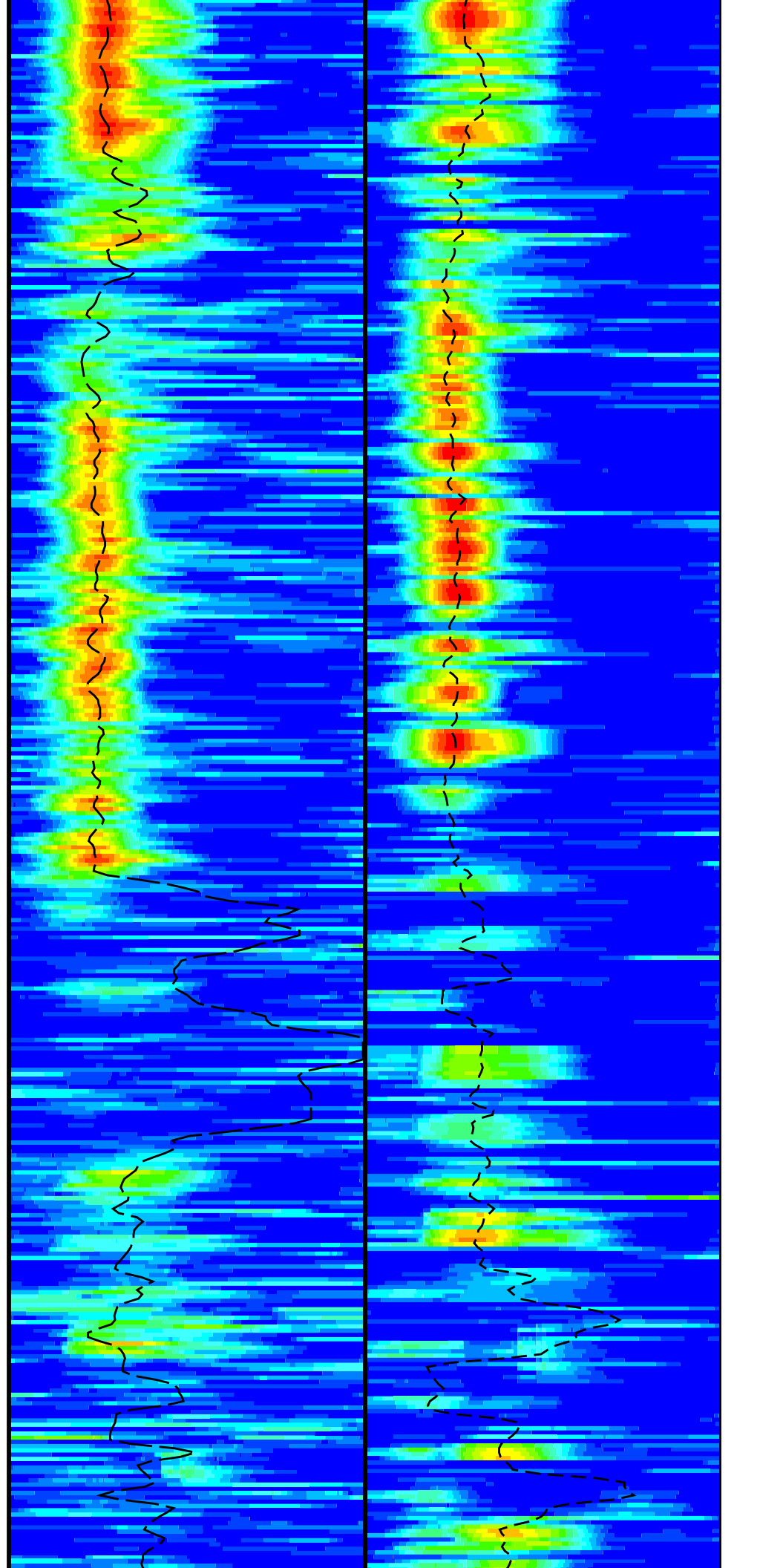
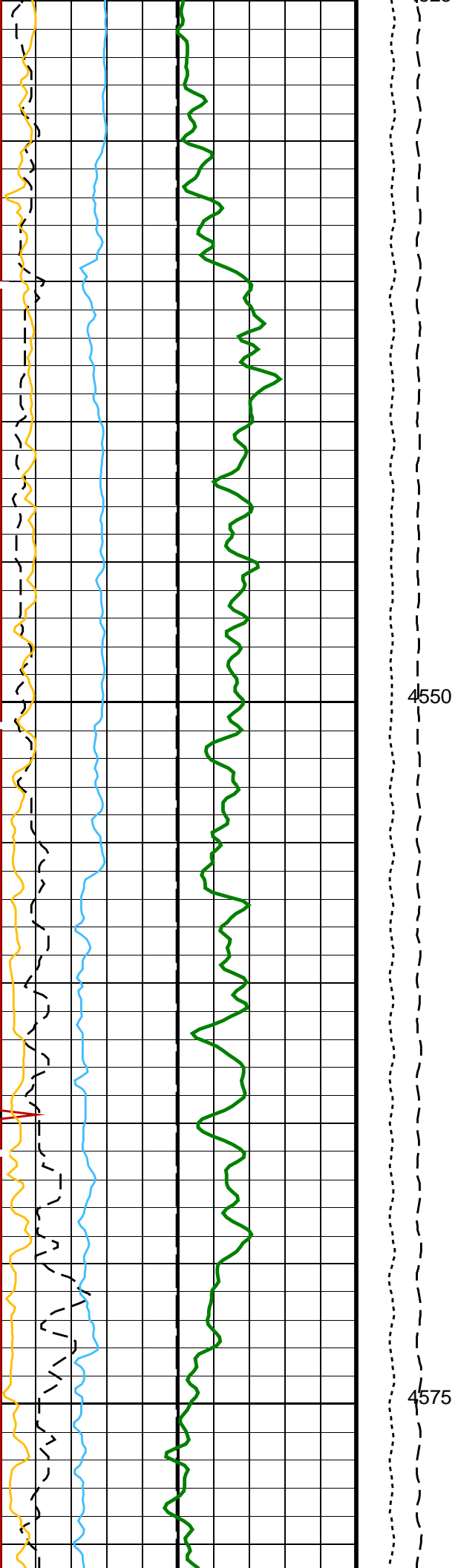


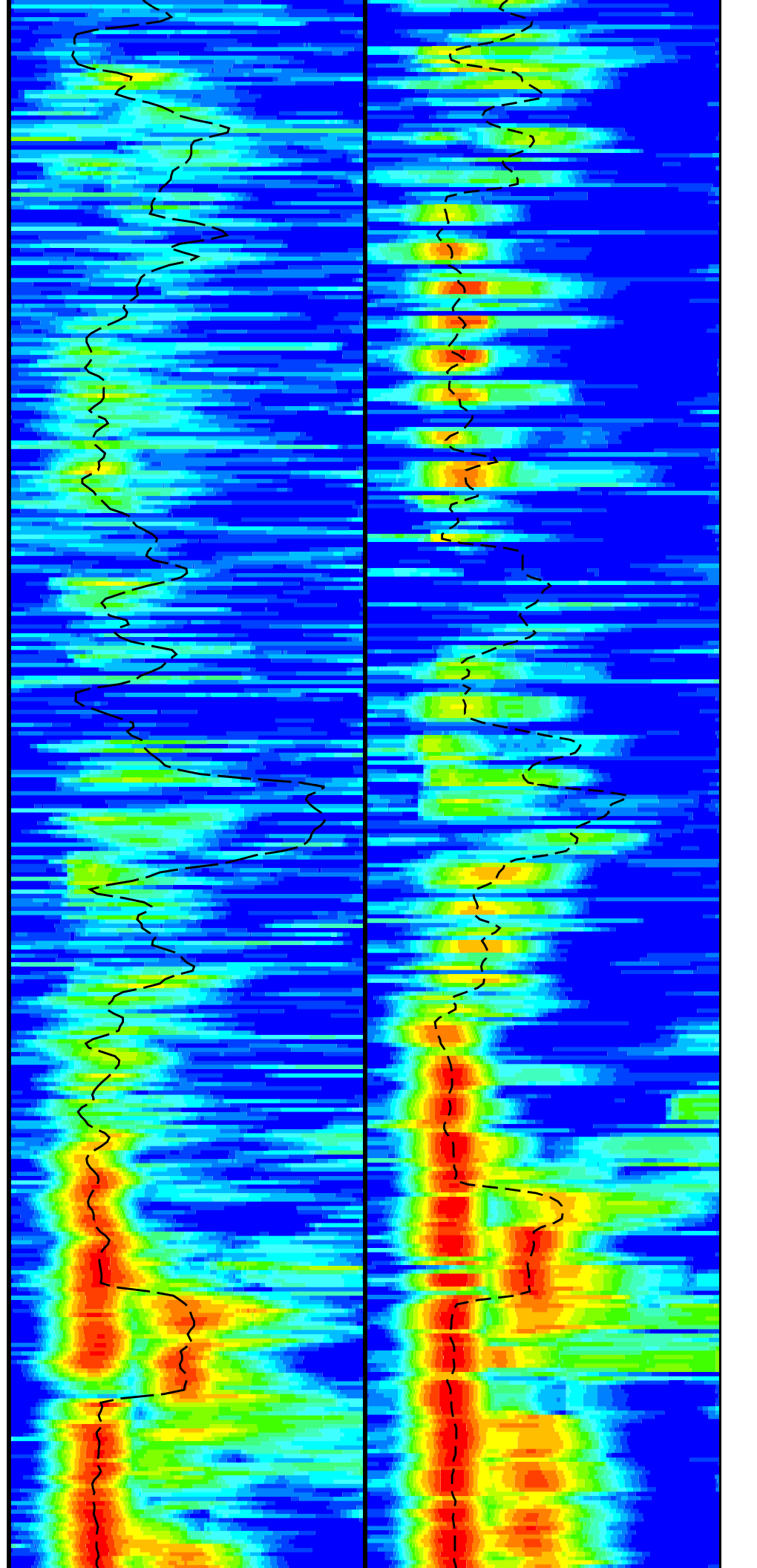
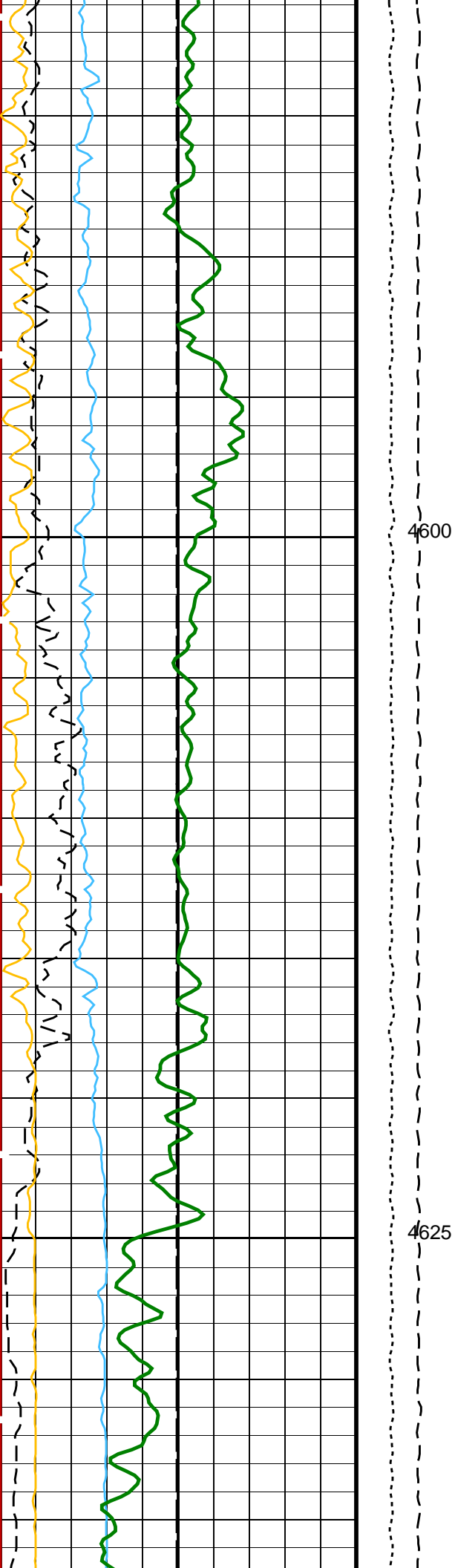


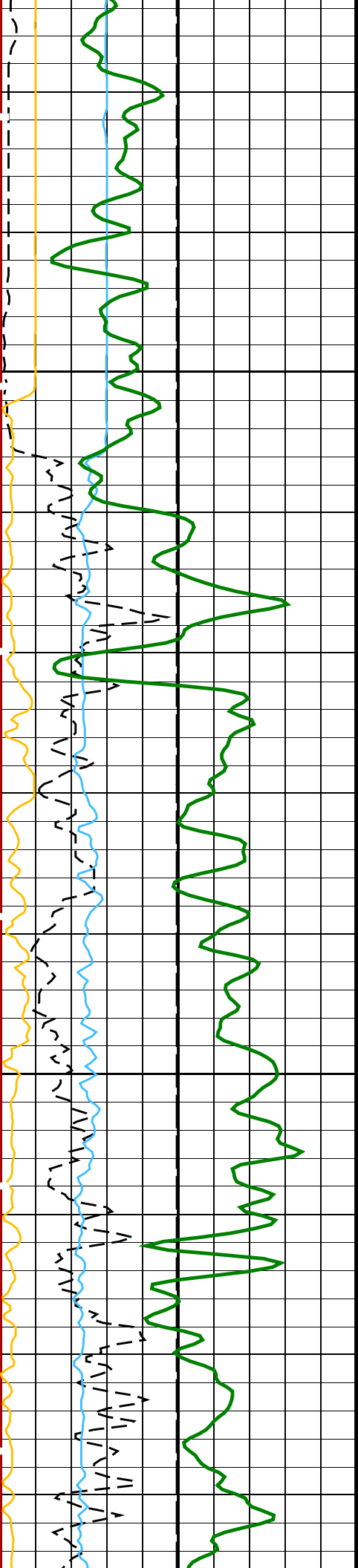






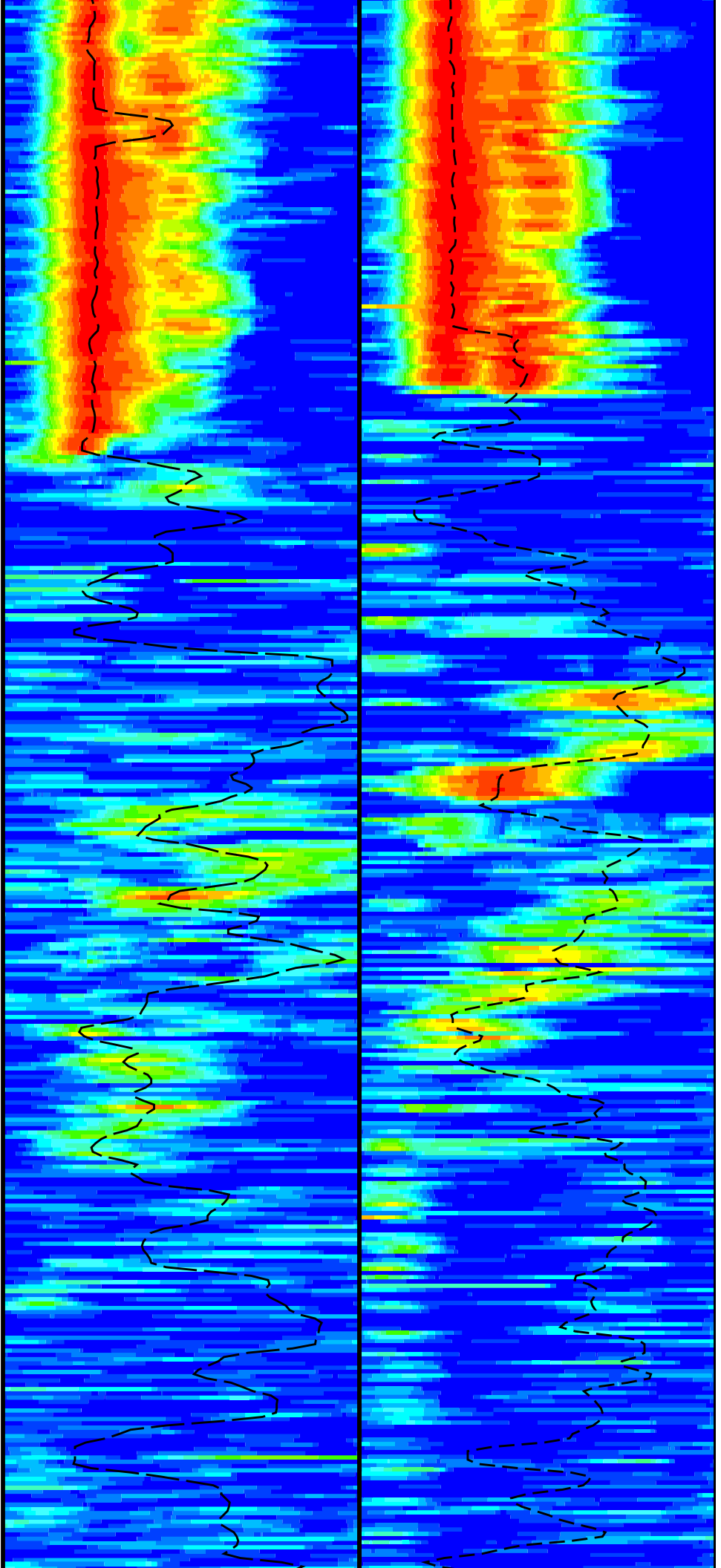


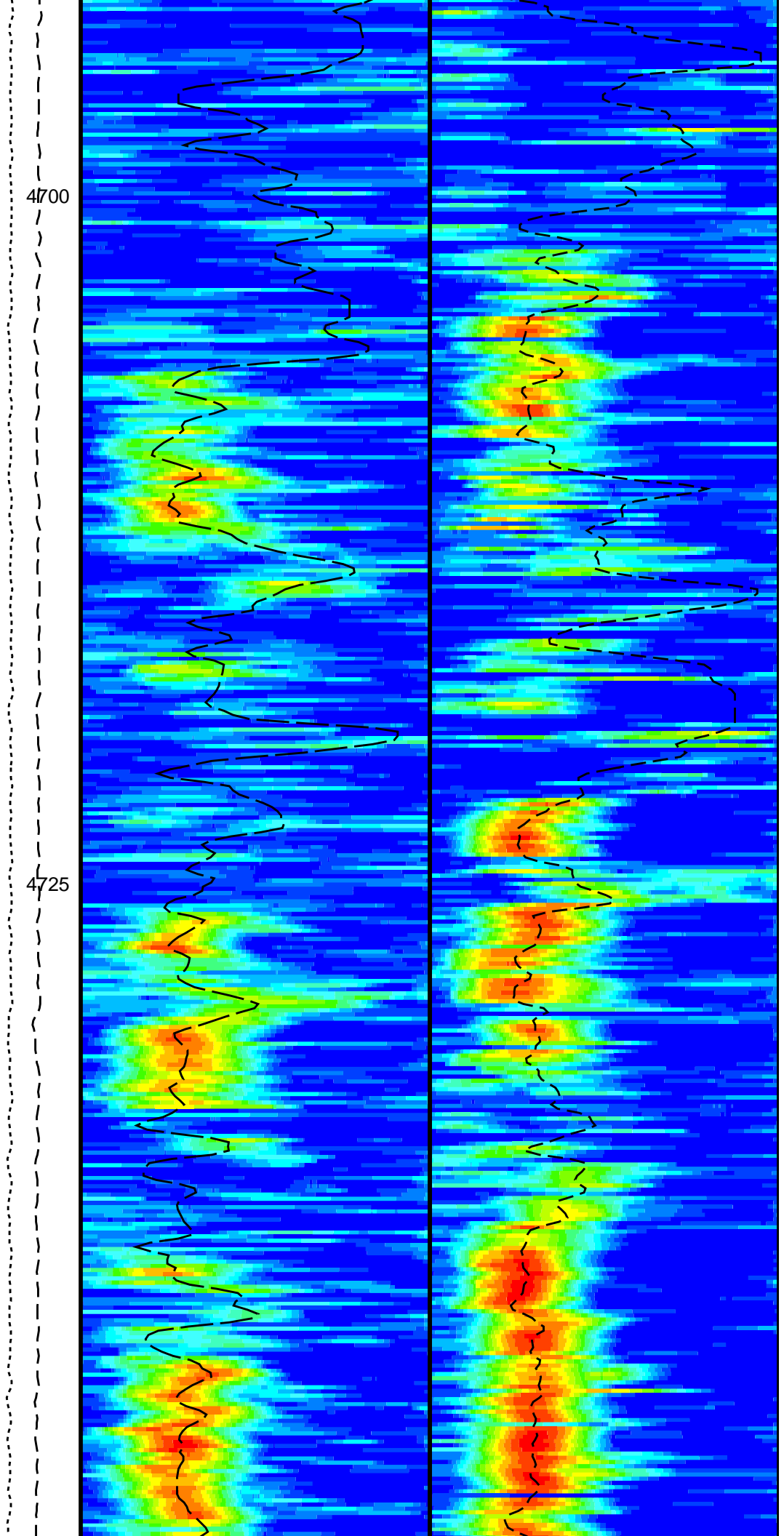
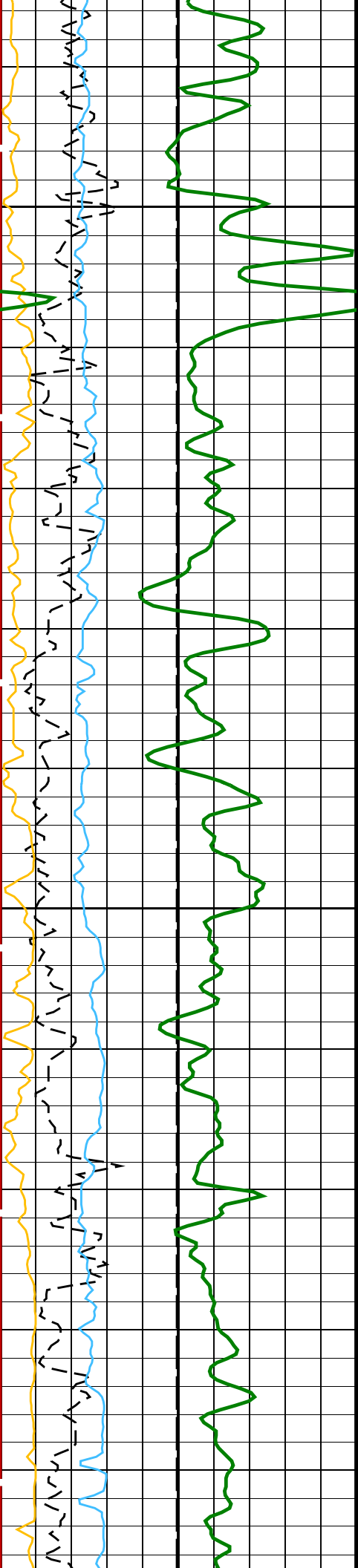


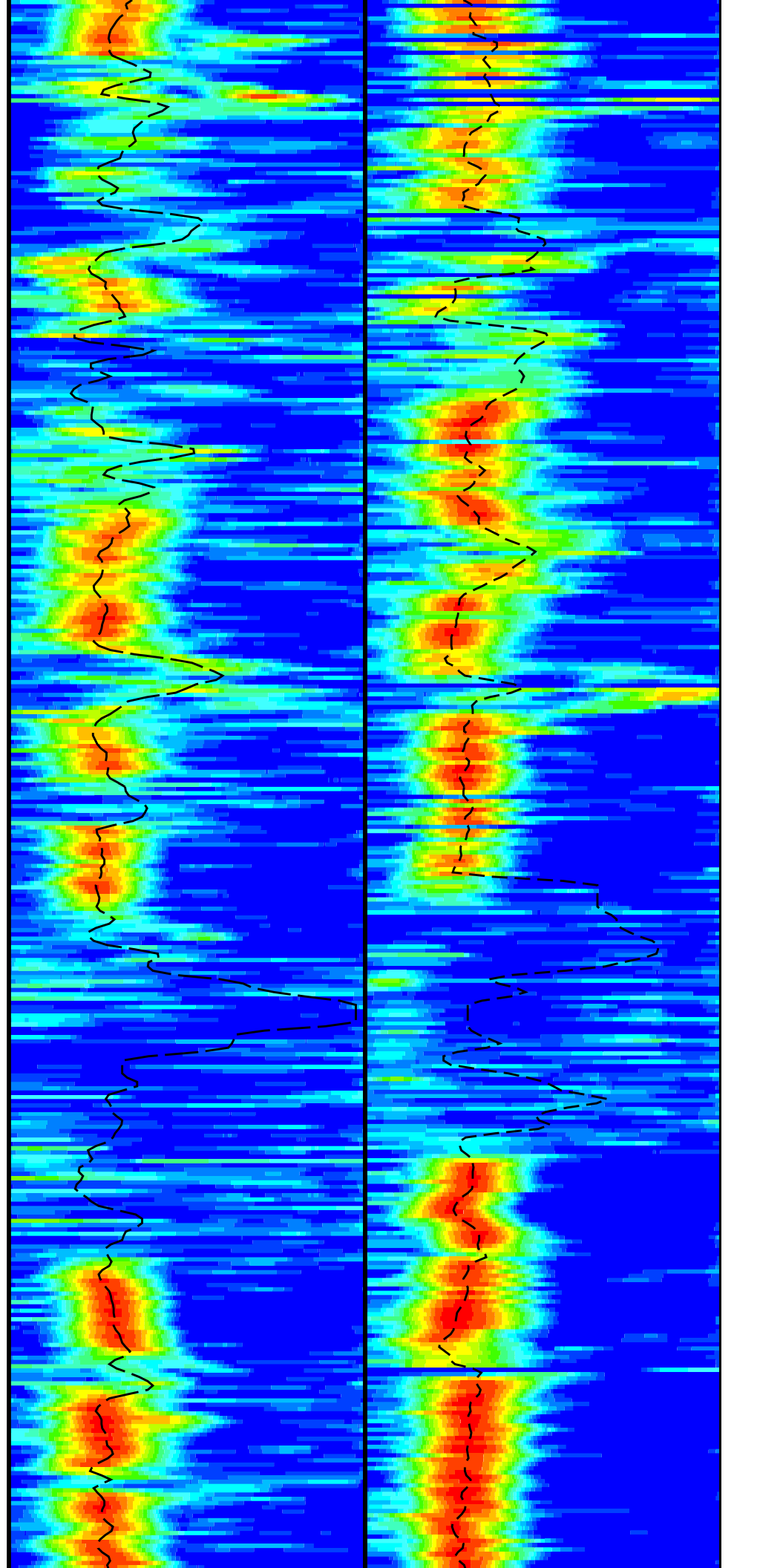
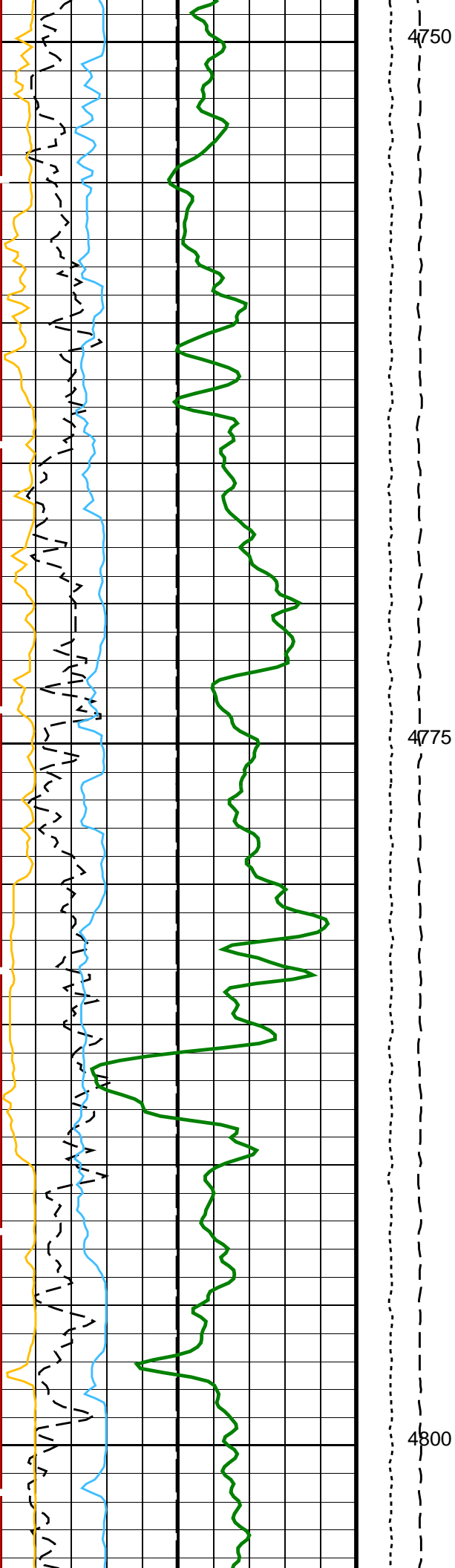


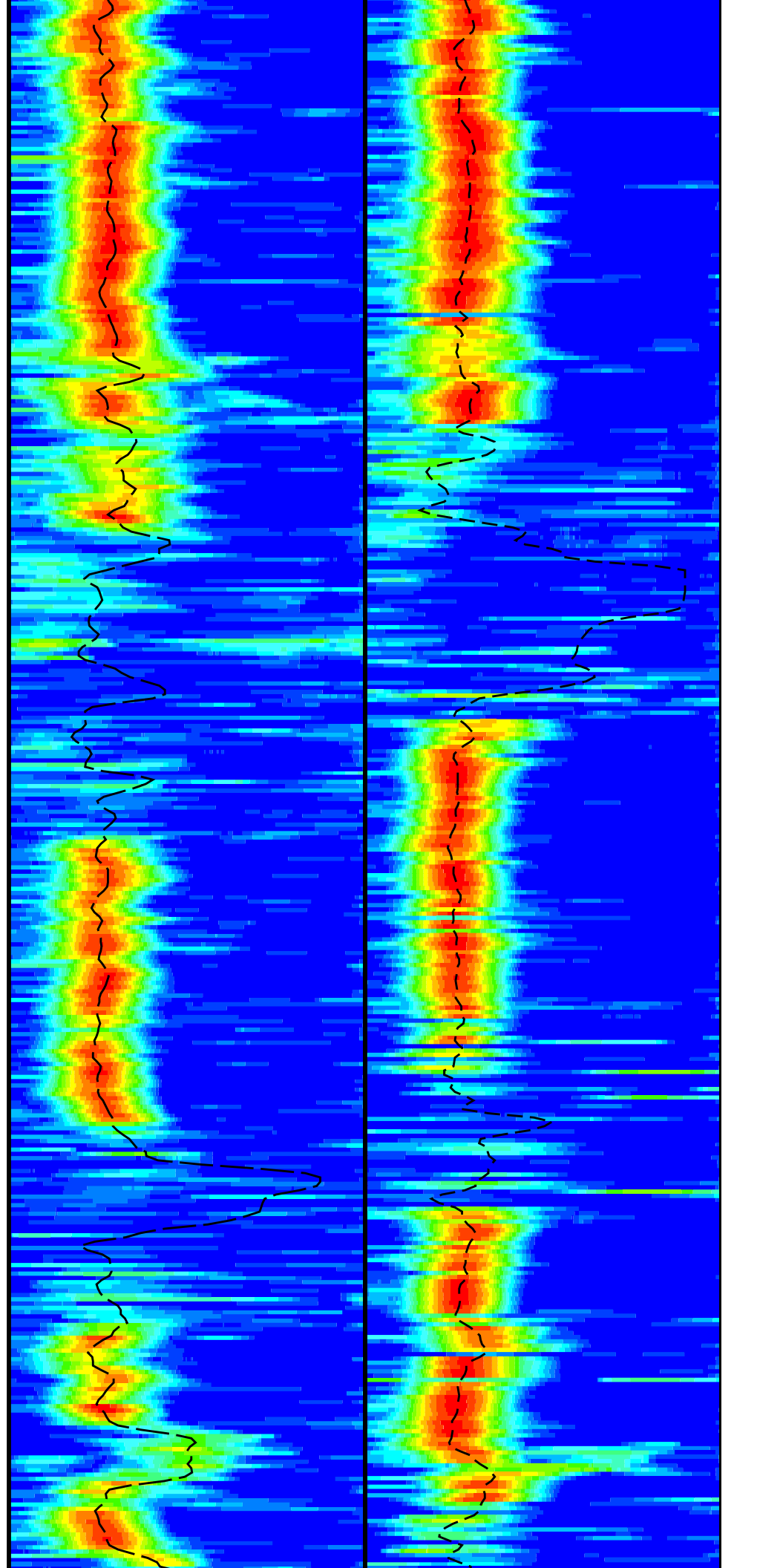
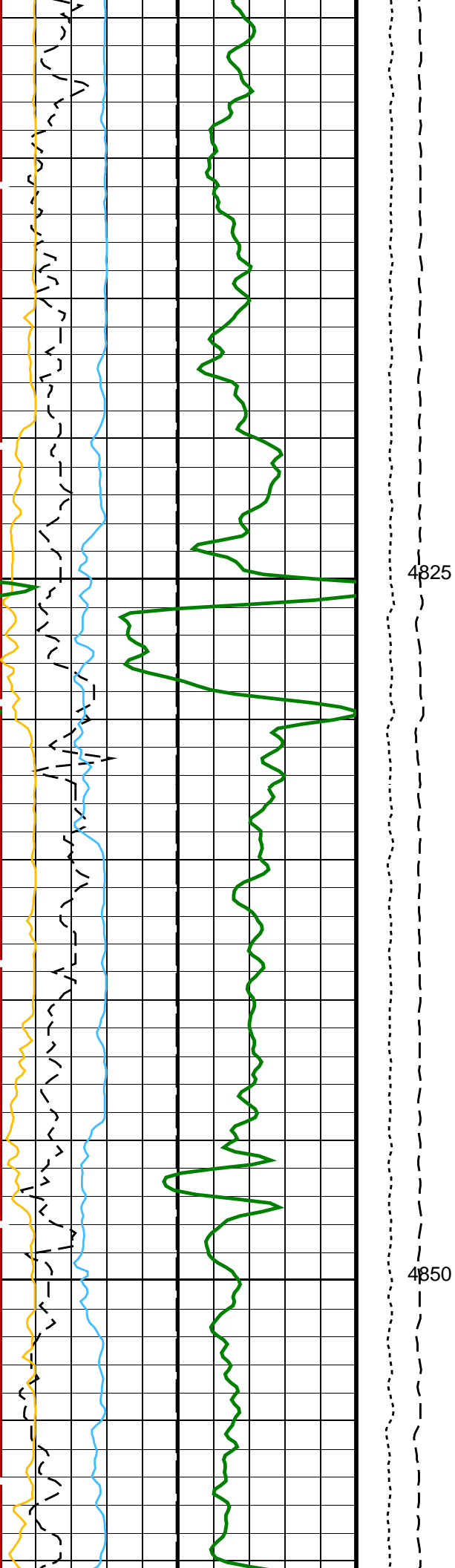
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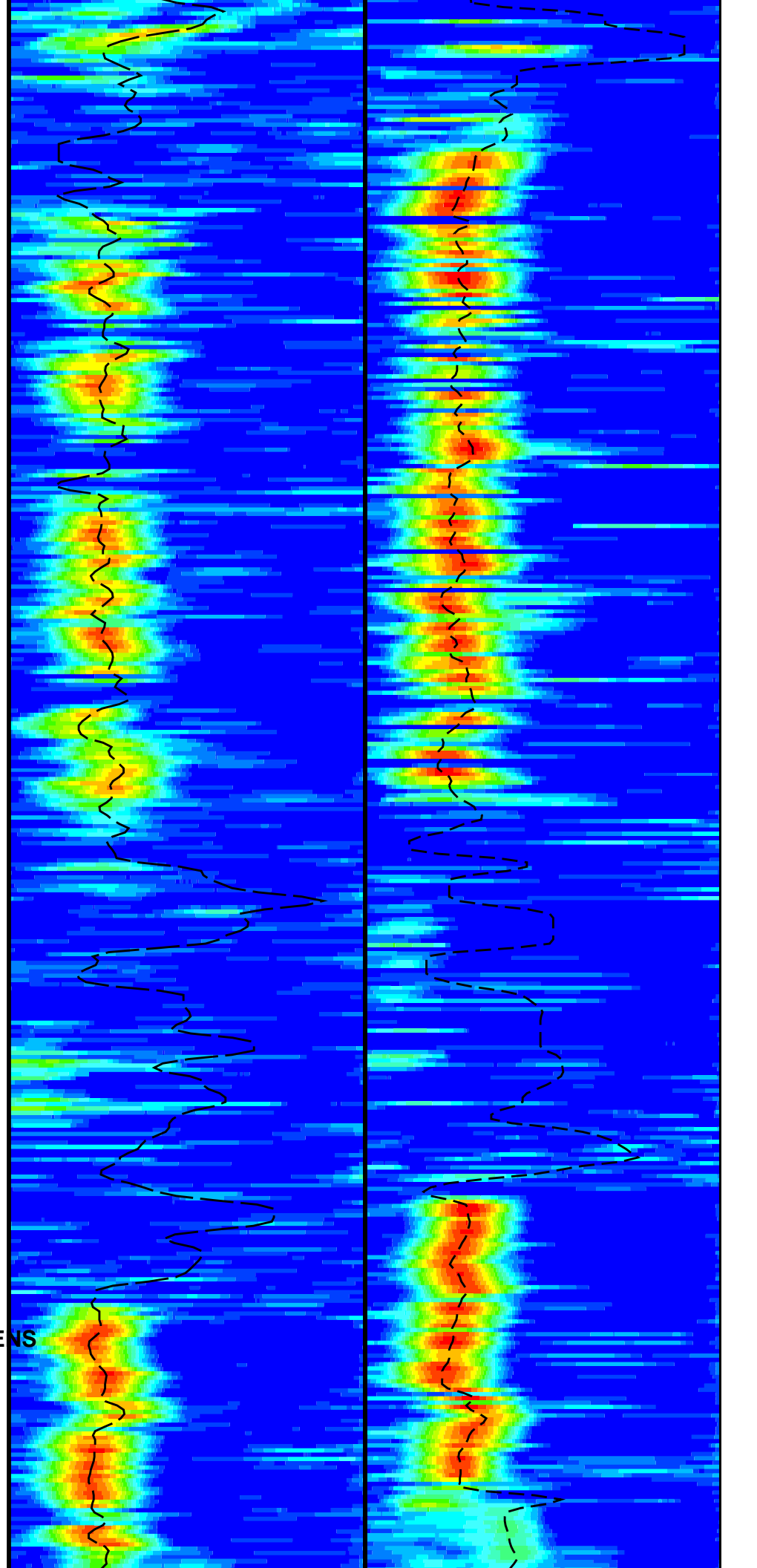
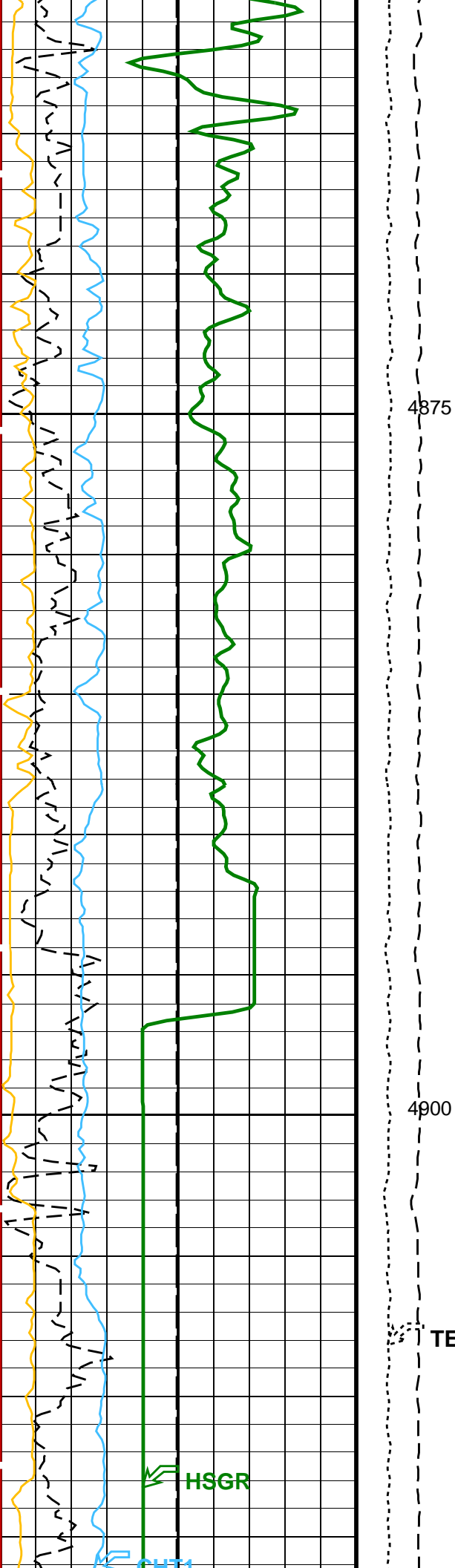
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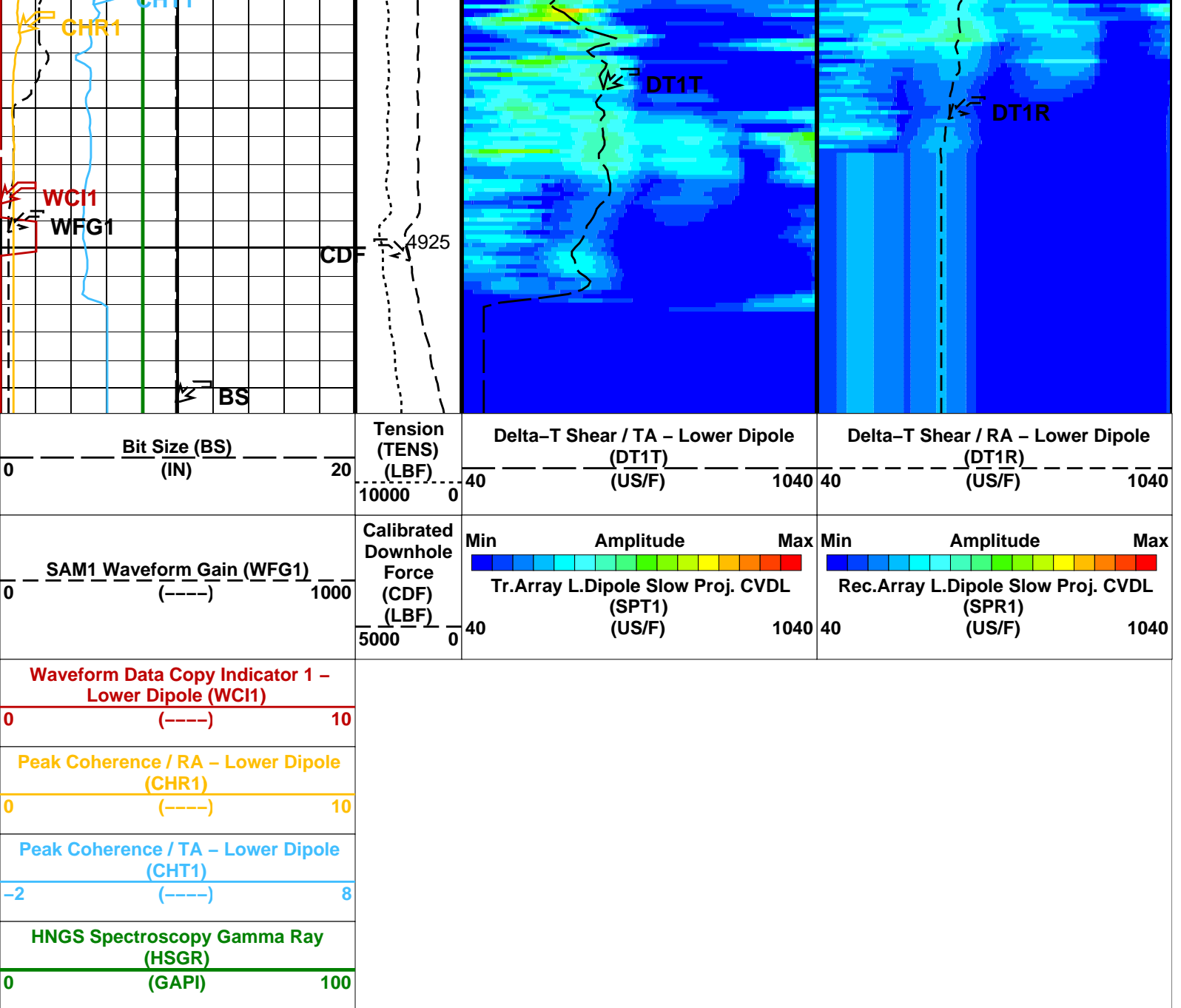












PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
DDE1	Digitizing Delay 1	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1040 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSIX	Digitizer Sample Interval X	40 US
DTC5	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC1	Digitizer Word Count 1	512
DWCX	Digitizer Word Count X	512
GCSE	Generalized Caliper Selection	LCAL
LTXG	Lower Dipole Transmitter Geometry	156 IN
NW11	Number Waveform Items 1	8
NWIX	Number Waveform Items X	0
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN

RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	LFD_EVEN	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B.3–1.5K	
SLL1	STC Slowness Lower Limit – Lower Dipole	40	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit – Lower Dipole	1040	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TLL1	STC Time Lower Limit – Lower Dipole	600	US
TST1	STC Time Step – Lower Dipole	200	US
TUL1	STC Time Upper Limit – Lower Dipole	18960	US
TWD1	STC Time Width – Lower Dipole	2000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
HRLT–B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
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	10.75	IN
CSD2	Outer Casing Outer Diameter	10.75	IN
CSW1	Inner Casing Weight	45	LB/F
CSW2	Outer Casing Weight	45	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00192069	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.992004	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.990962	
EDTC–B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.32	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_LOWER_DIPOLE_RC_TR_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06–Apr–2017 20:24

OP System Version: 19C0–187

DSST–B	19C0–187	HRLT–B	19C0–187
HLDS	19C0–187	LDSC–B	19C0–187
HNGC–B	19C0–187	HNGS–BA	19C0–187
EDTC–B	SKK–5169–EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_030LUP	FN:35	PRODUCER	06–Apr–2017 18:03	4930.9 M	3798.9 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_038PUP	FN:51	PRODUCER	06–Apr–2017 20:24
BACKUP	DSI_HRLA_LDL_NGS_038PUP	FN:52	PRODUCER	06–Apr–2017 20:24

Input DLIS Files

DEFAULT DSI_HRLA_LDL_NGS_030LUP FN:35 PRODUCER 06-Apr-2017 18:03 4930.9 M 3798.9 M

Output DLIS Files

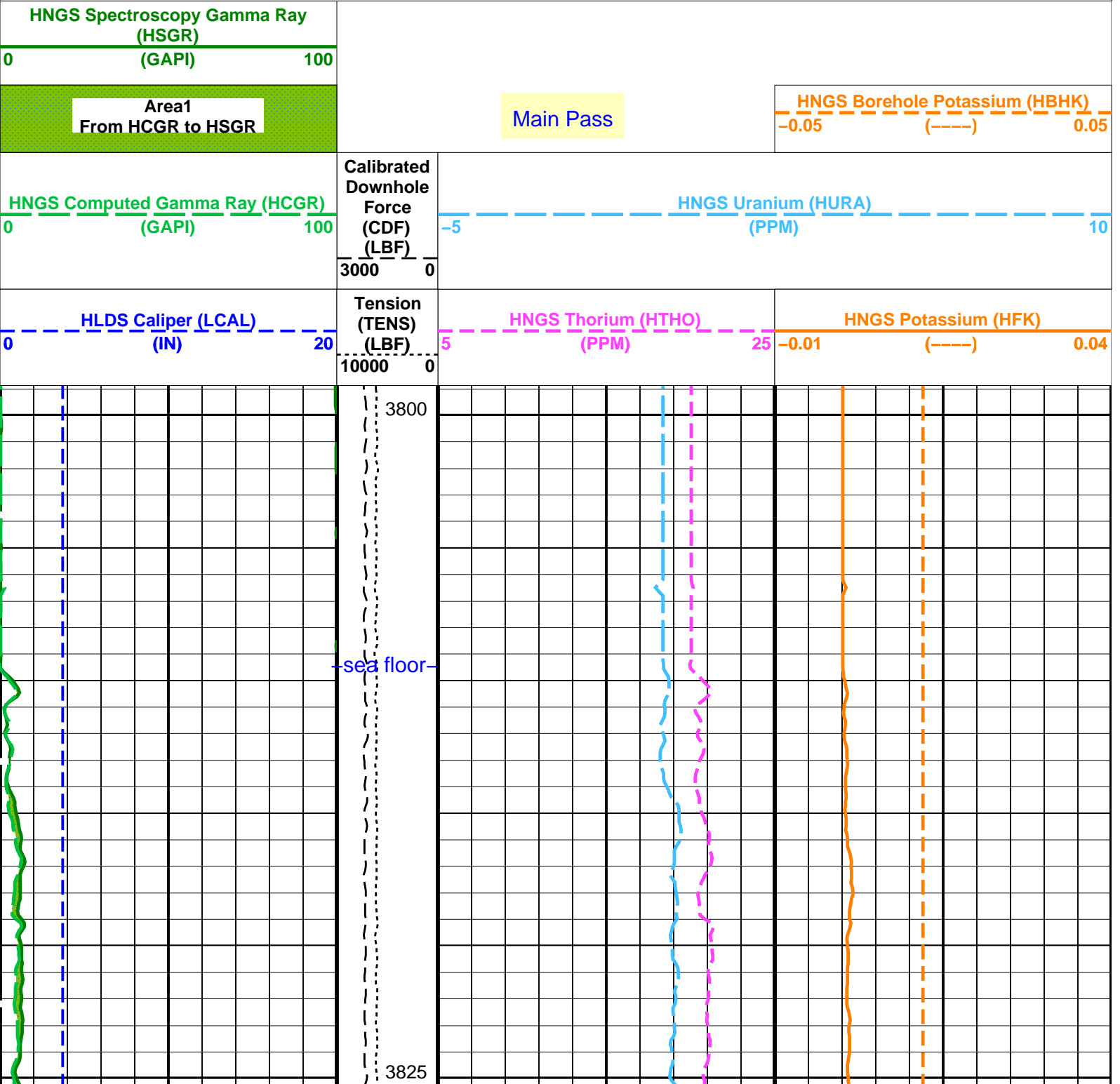
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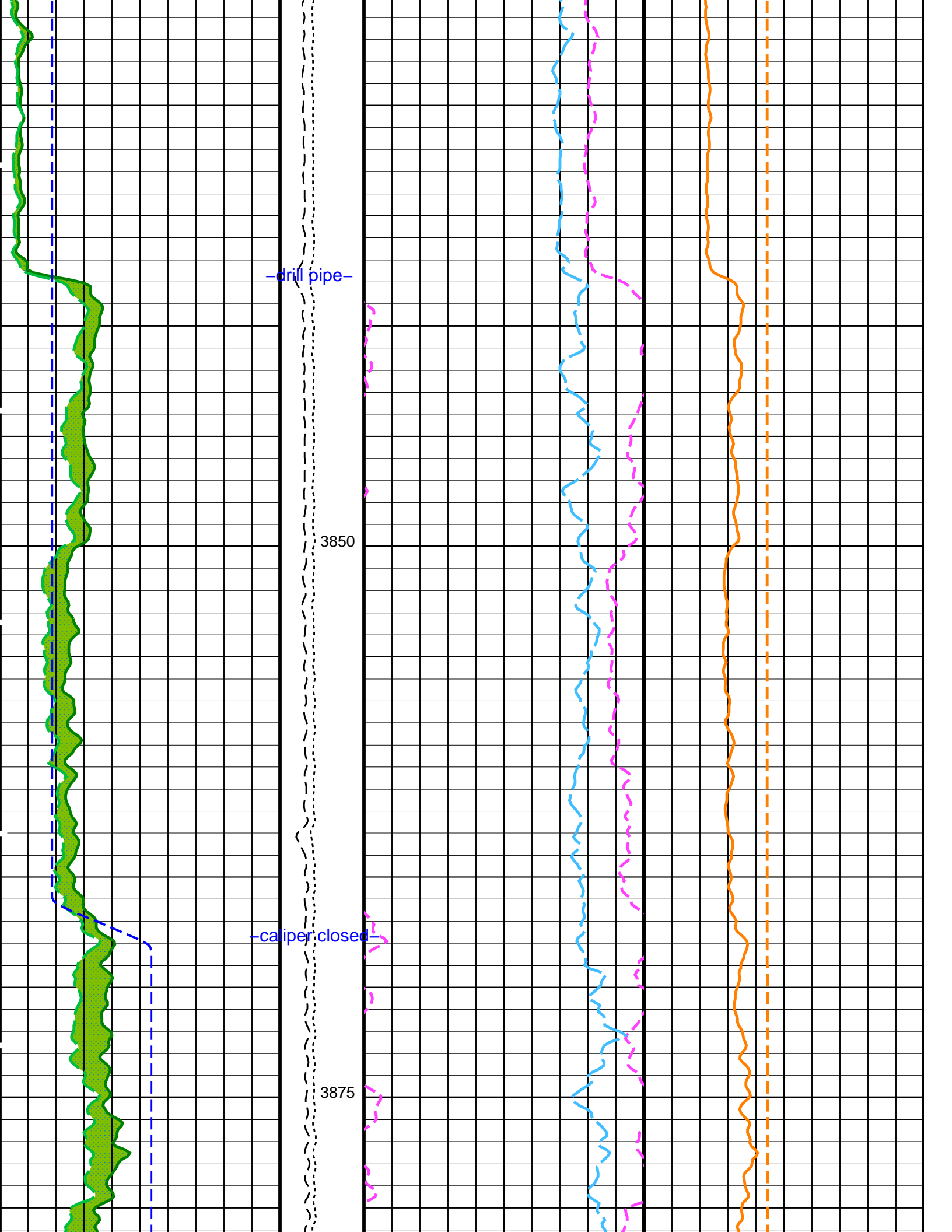
OP System Version: 19C0-187

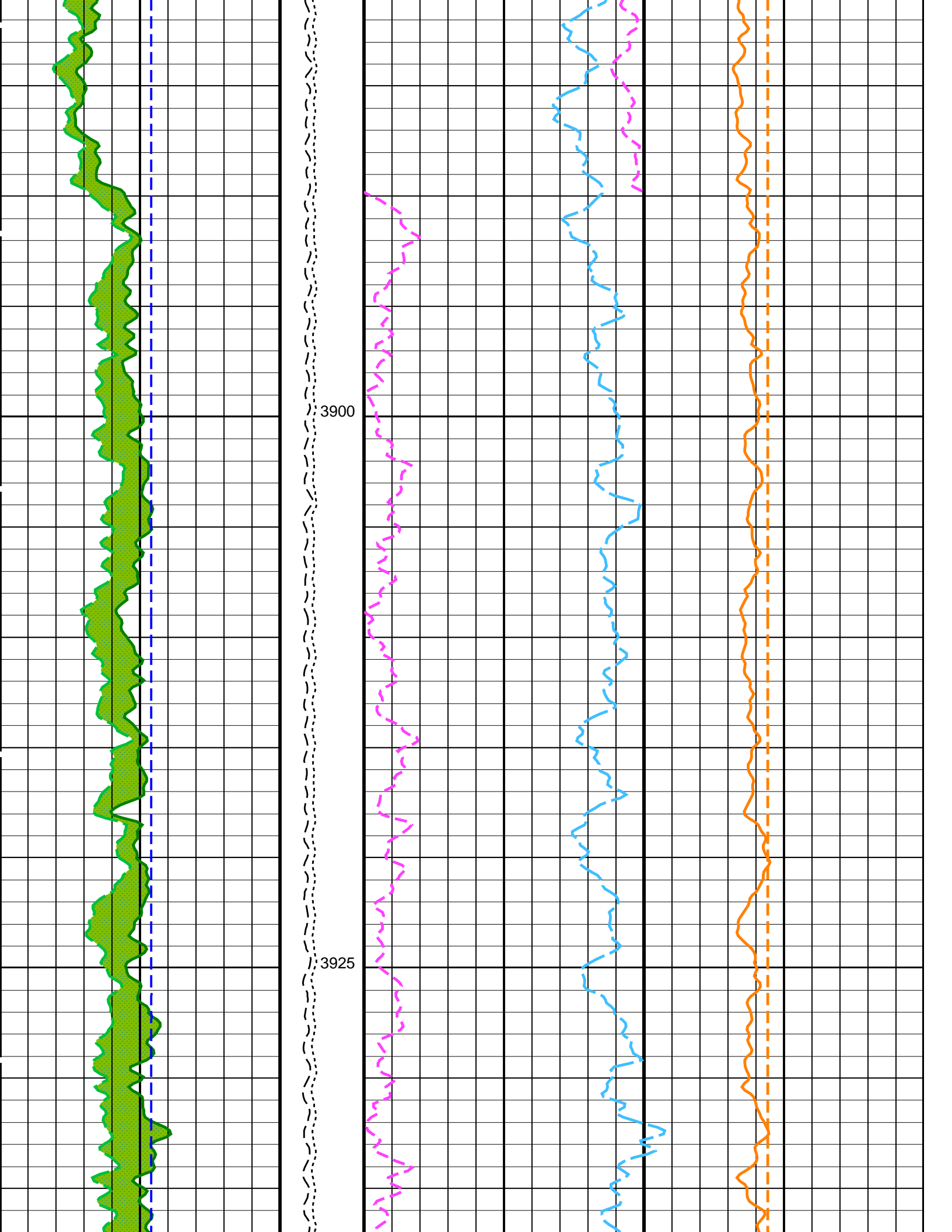
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 HLDS 19C0-187 LDSC-B 19C0-187
 HNGC-B 19C0-187 HNGS-BA 19C0-187
 EDTC-B SKK-5169-EDTCB

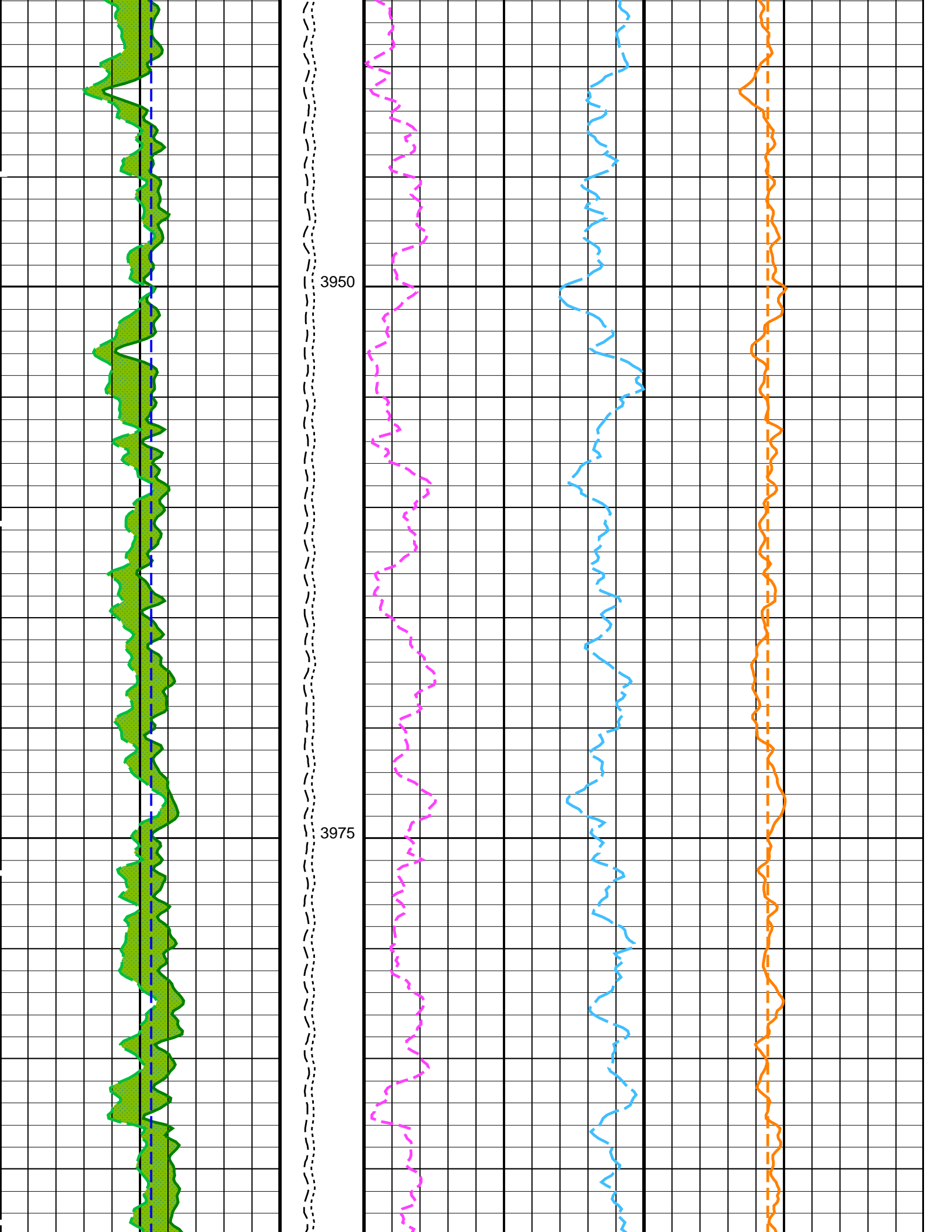
PIP SUMMARY

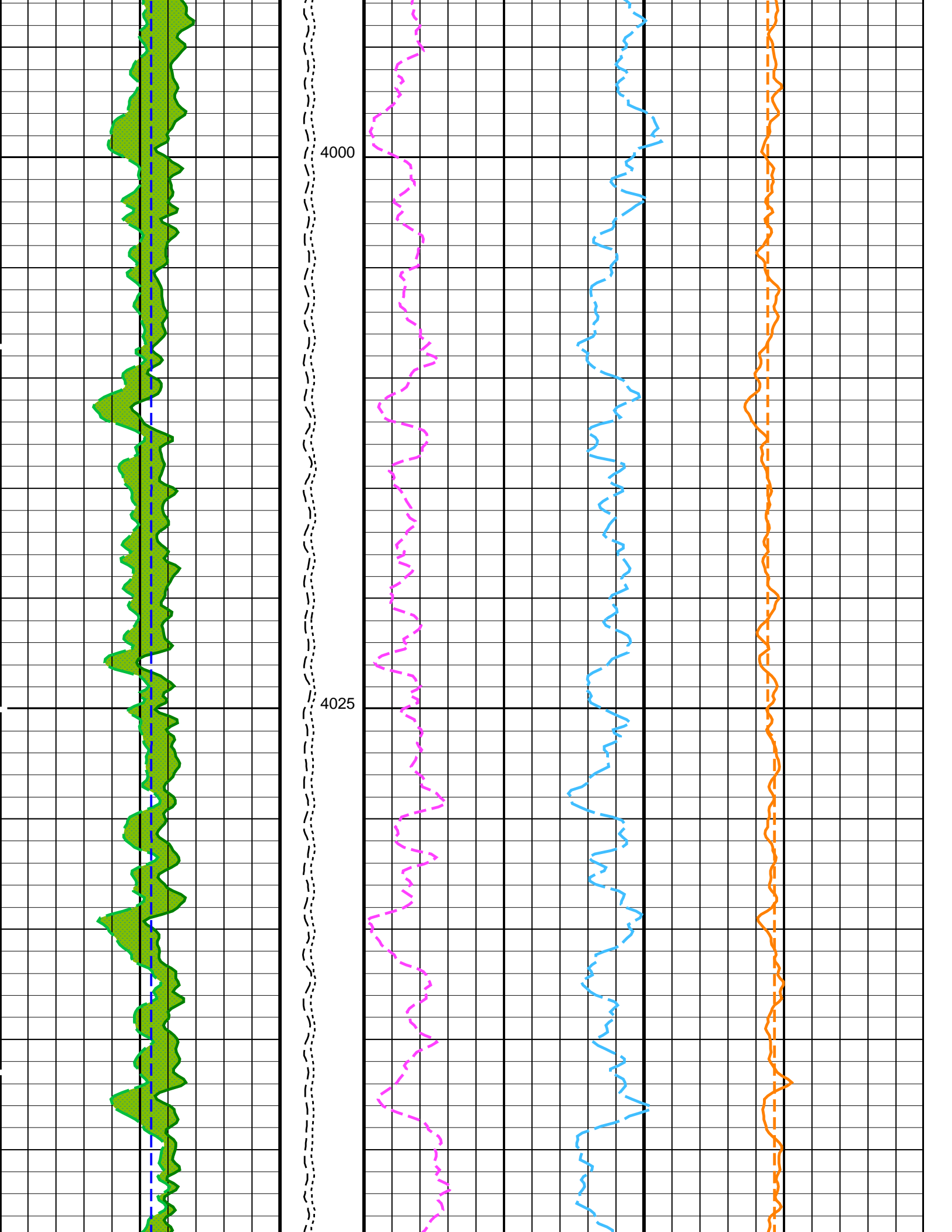
Time Mark Every 60 S

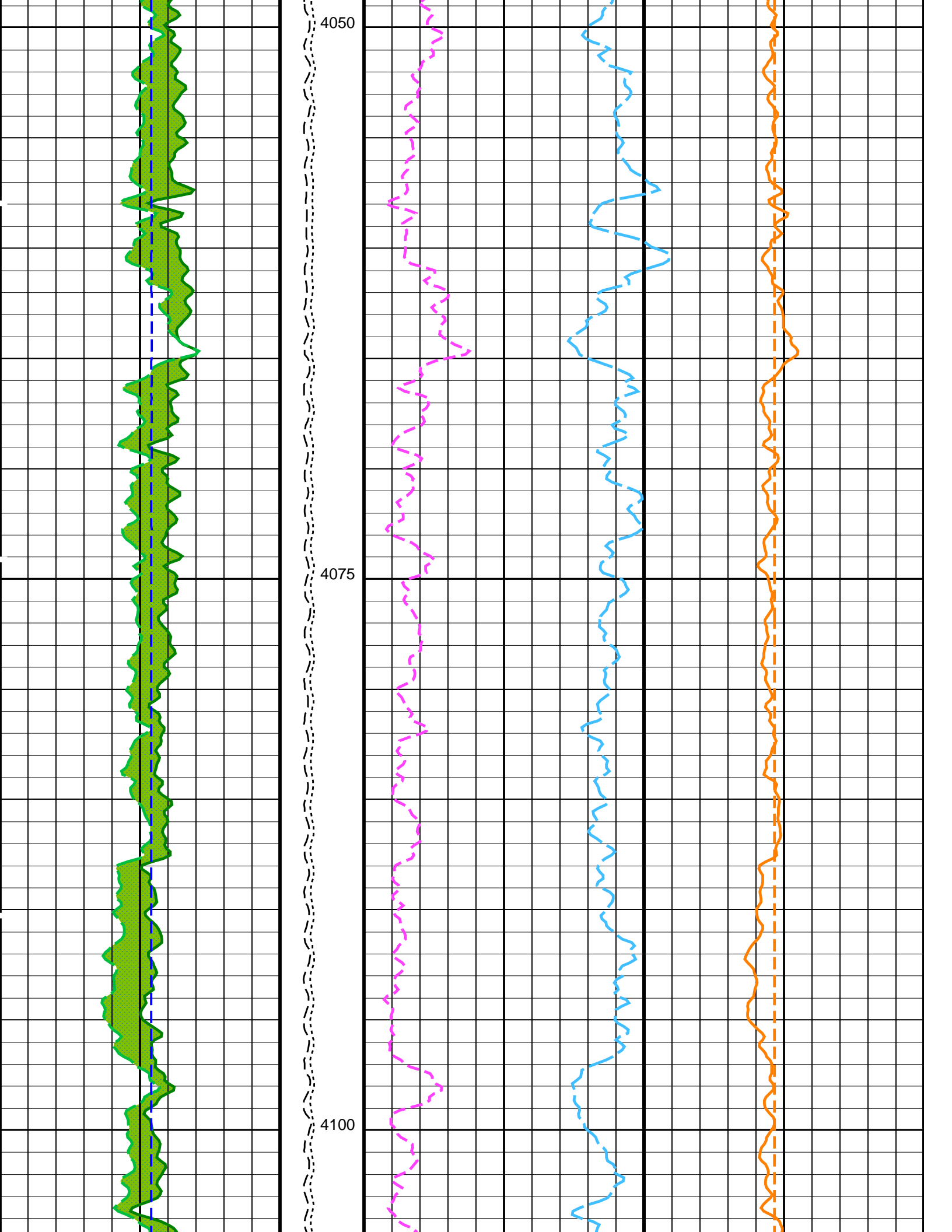


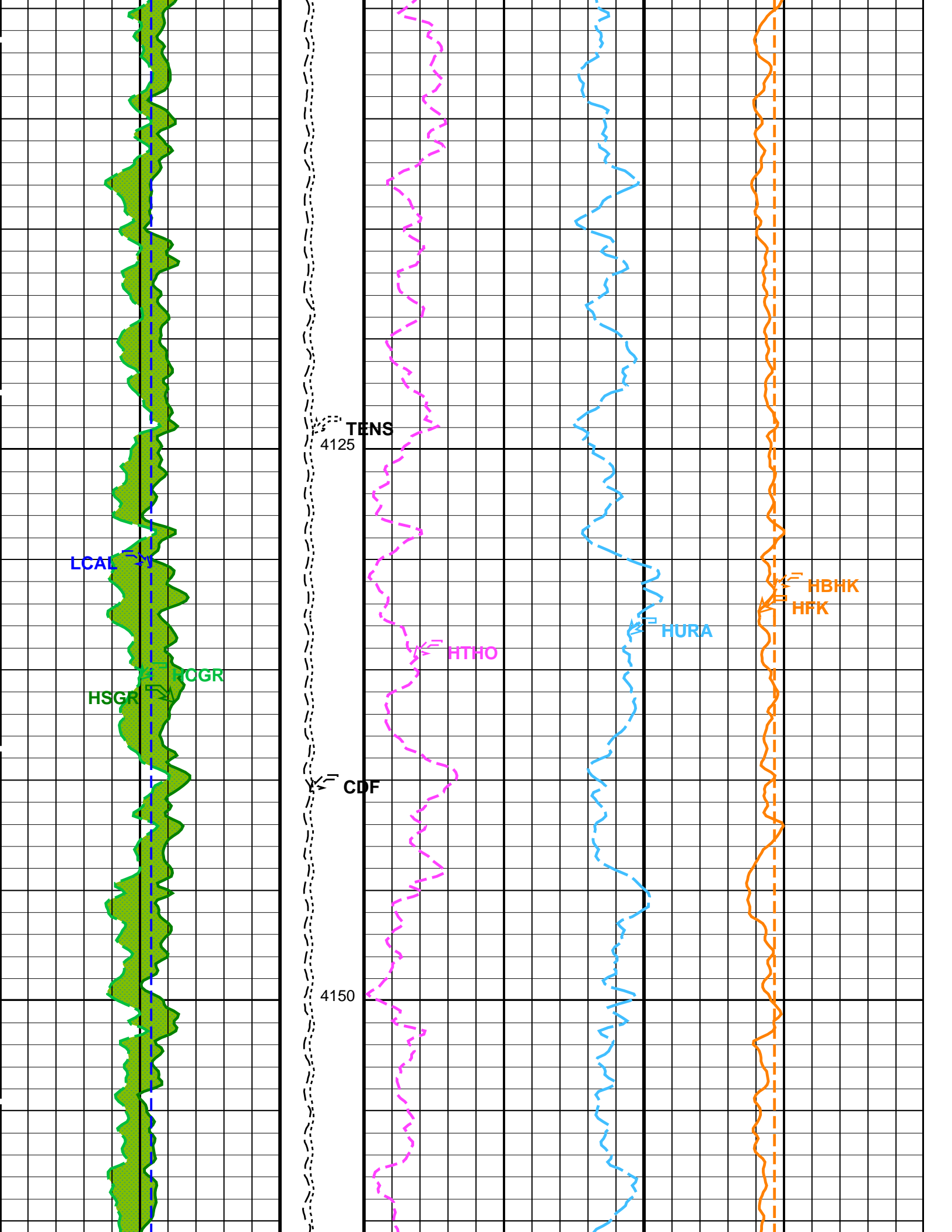


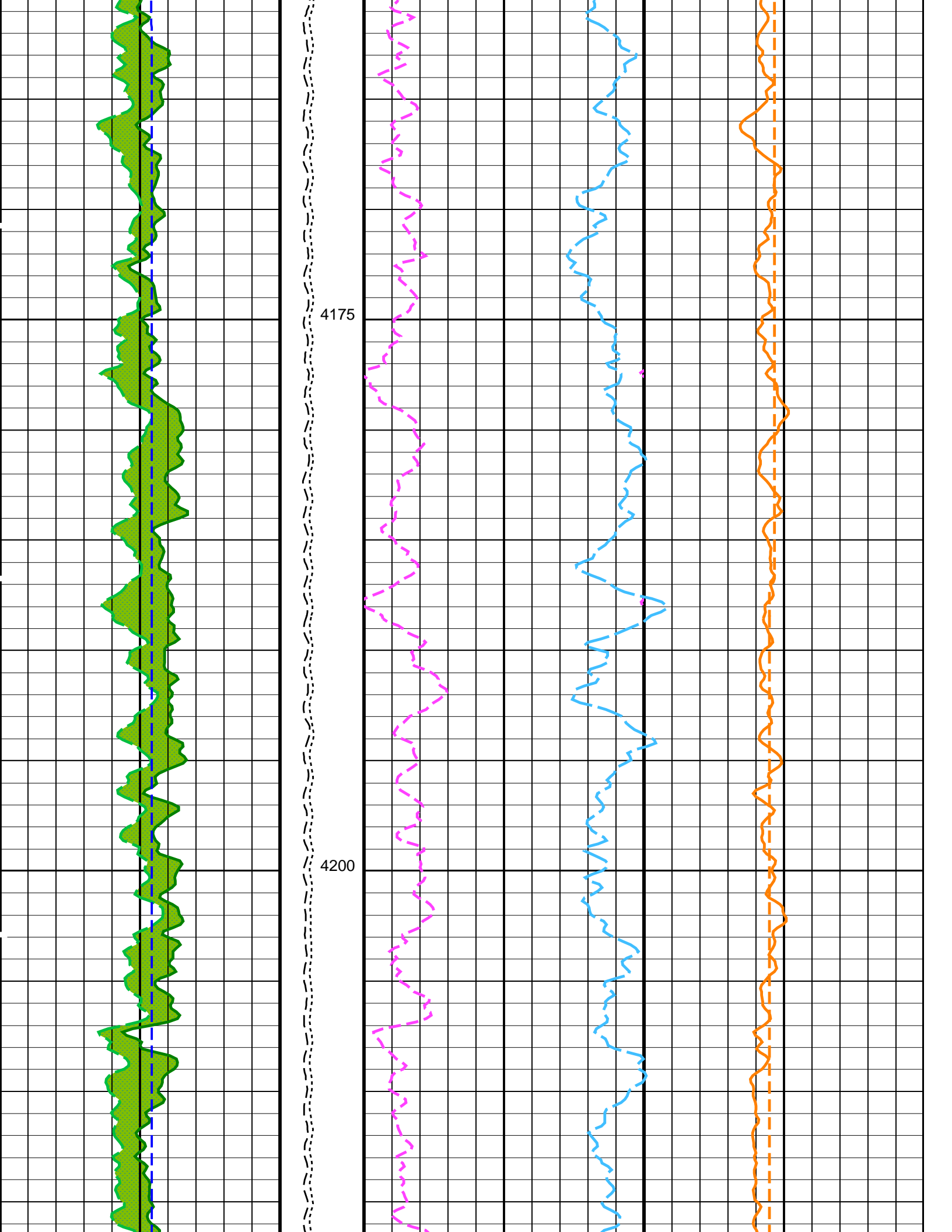


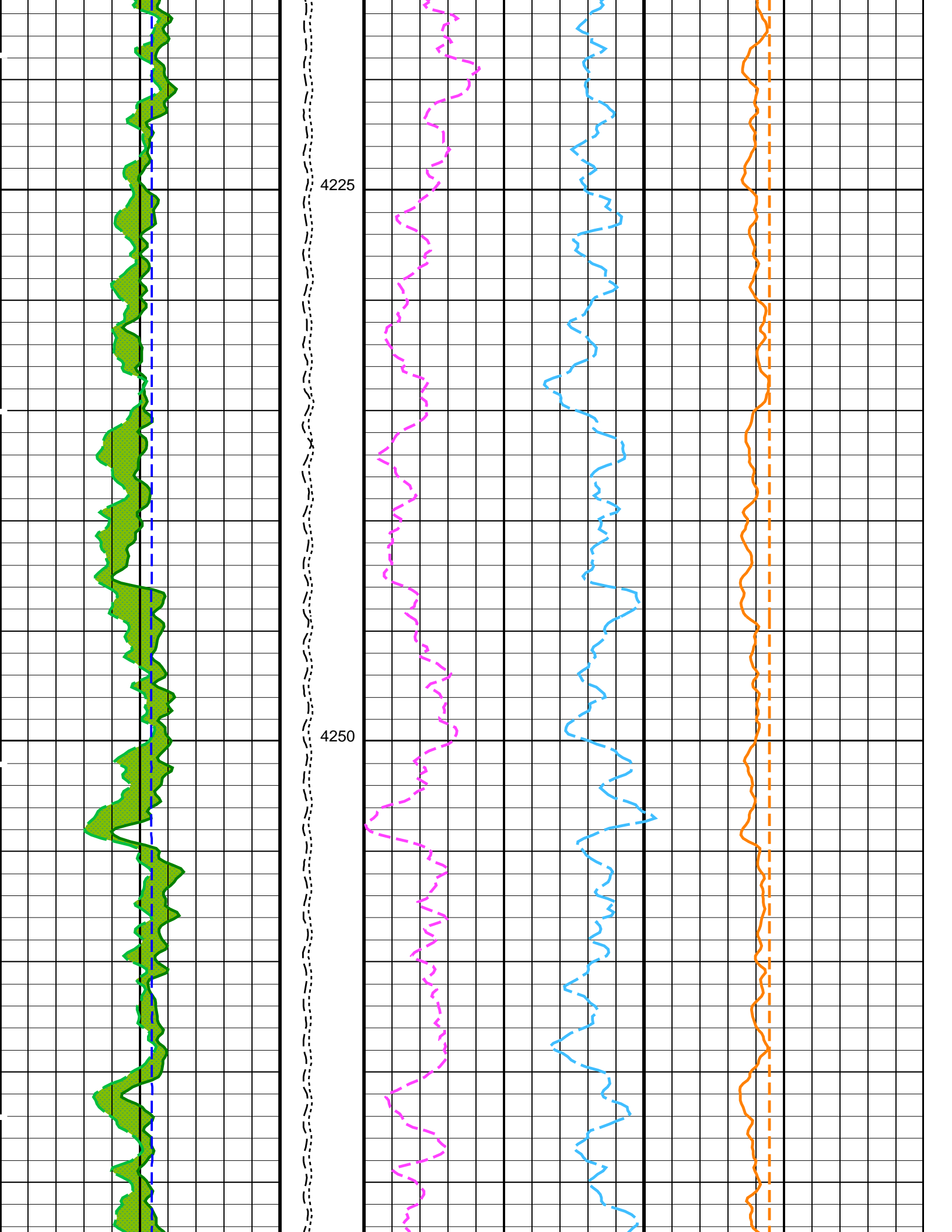


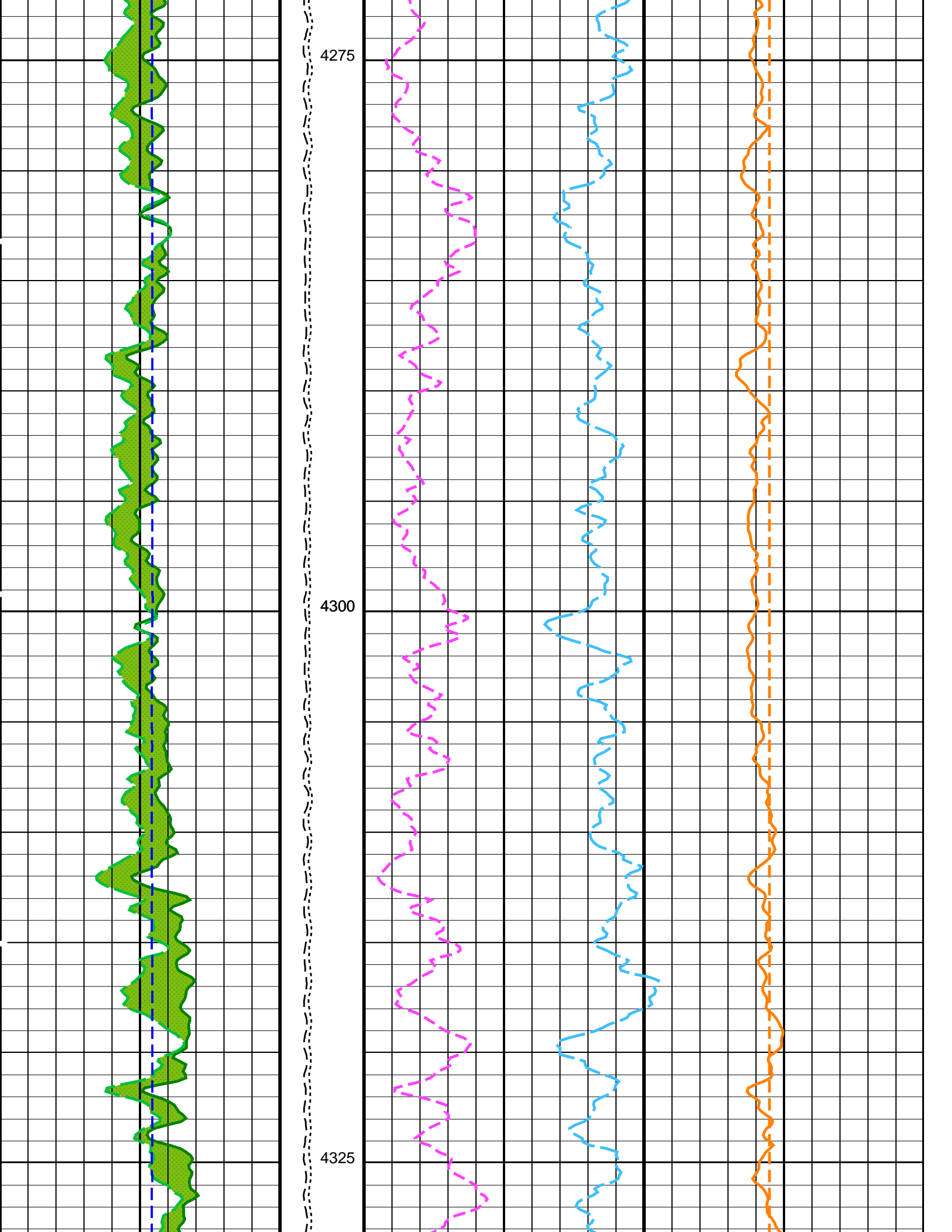


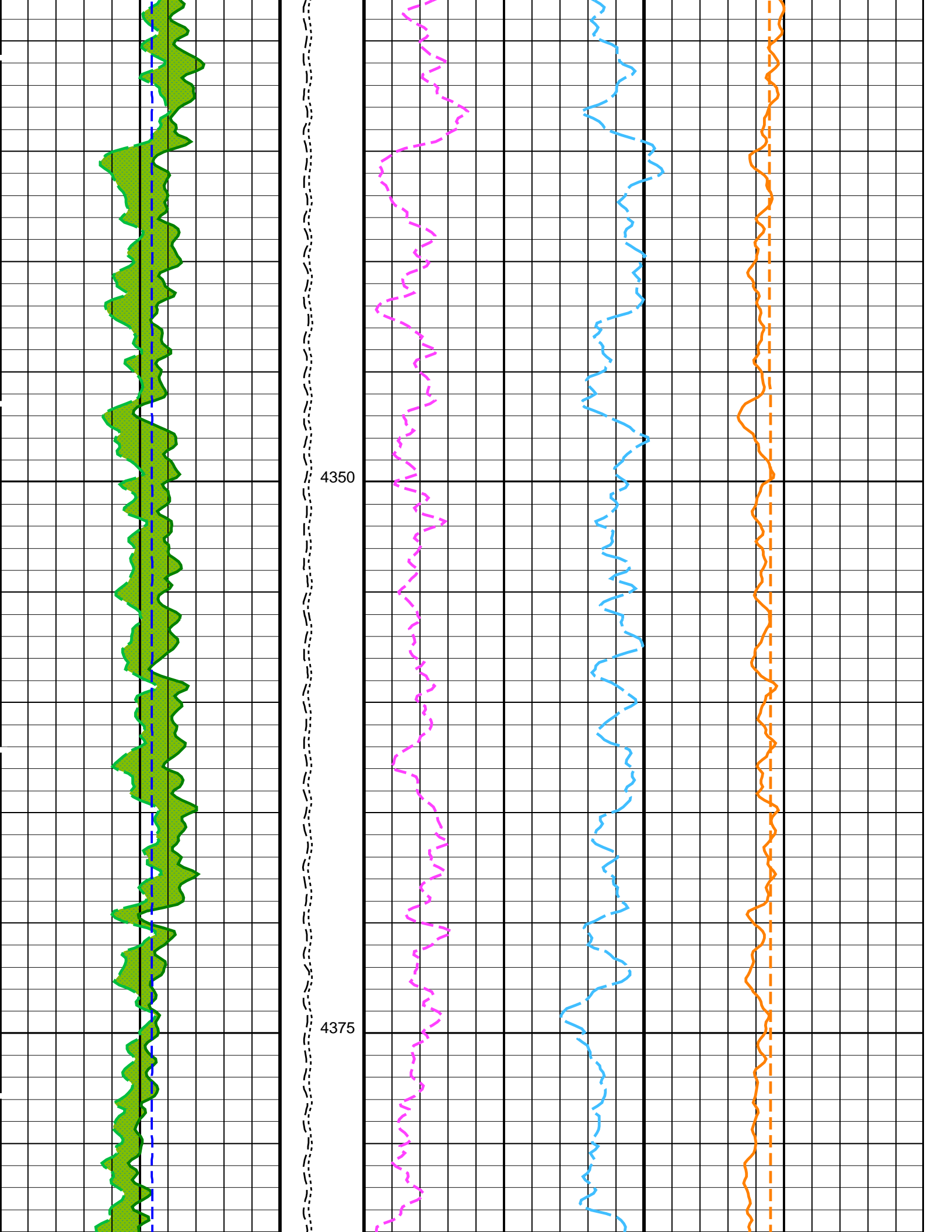


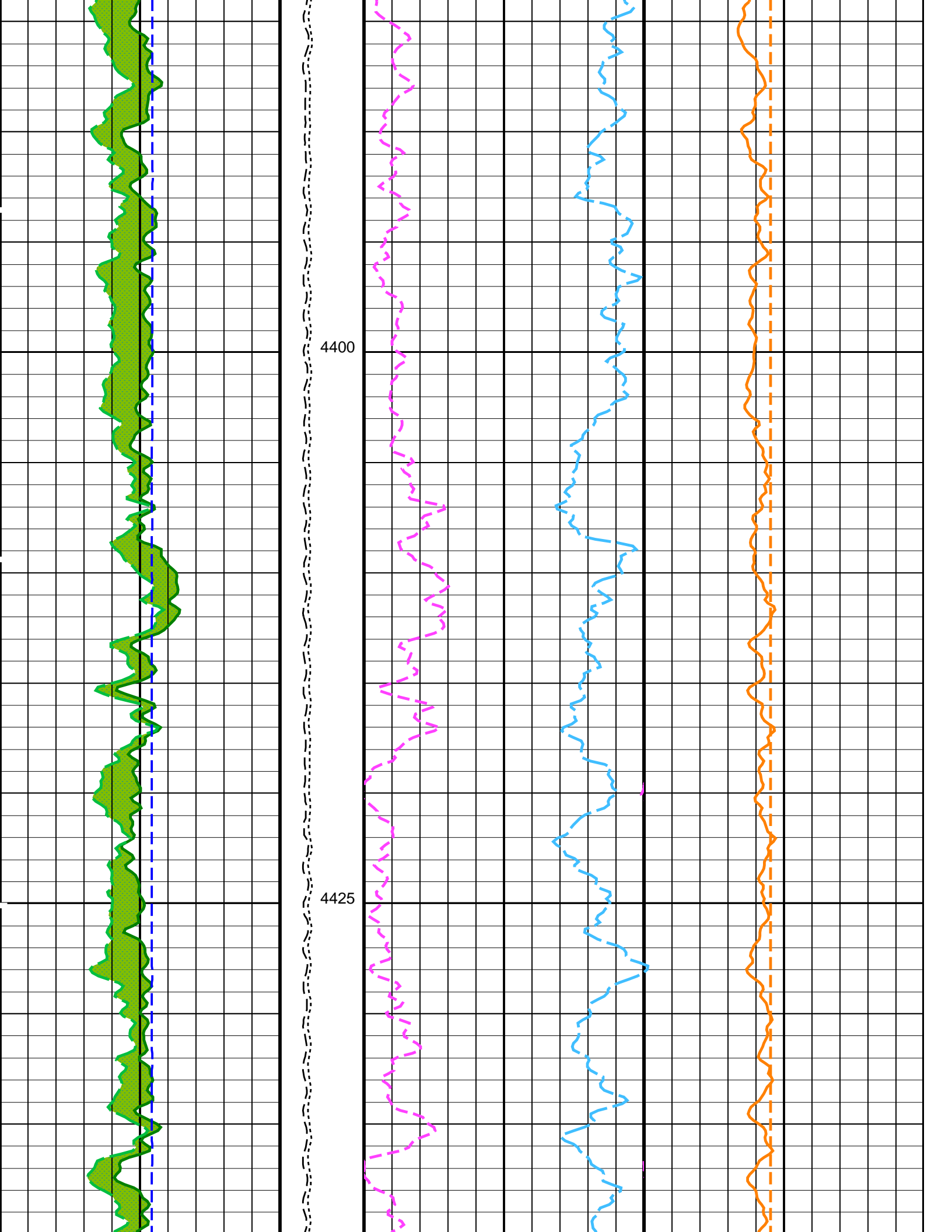


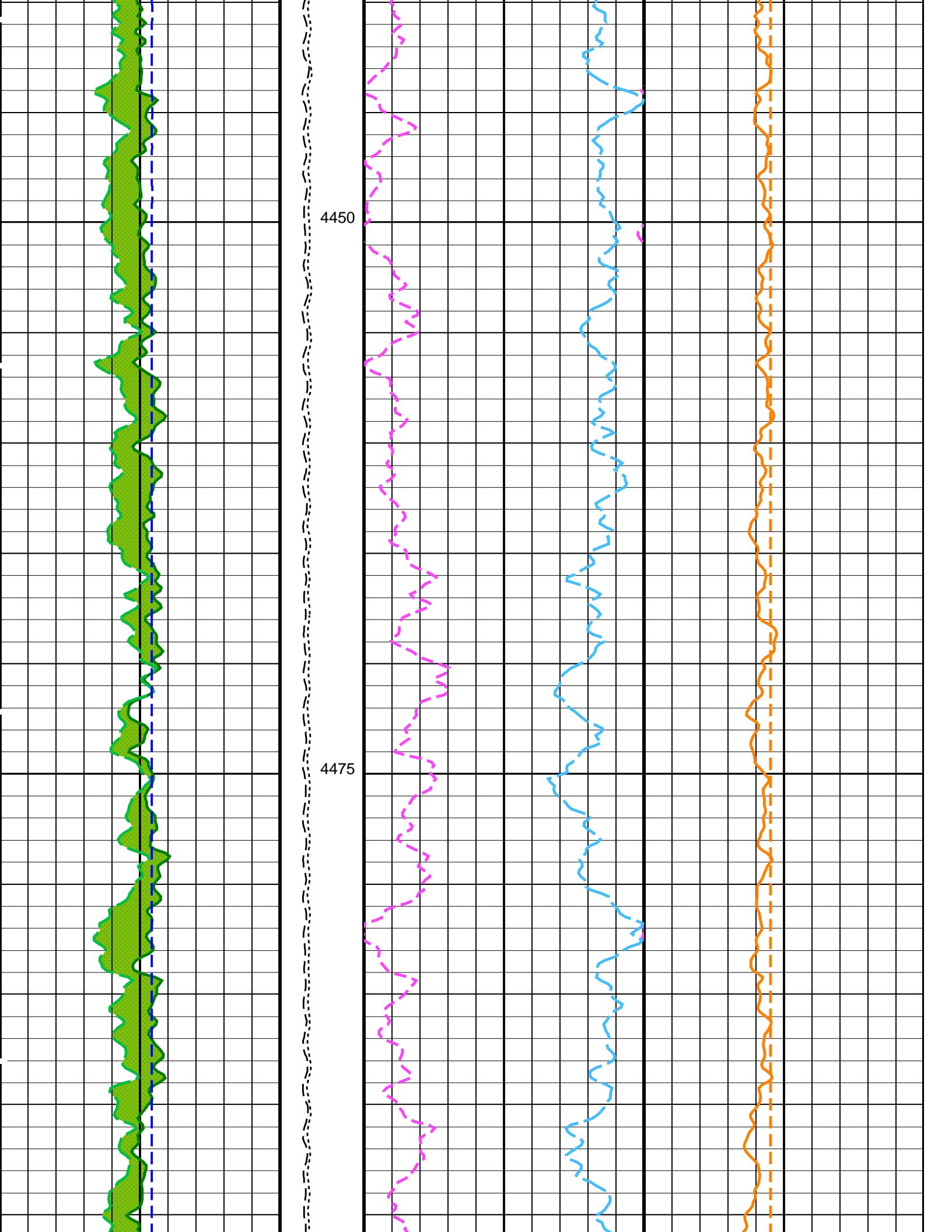


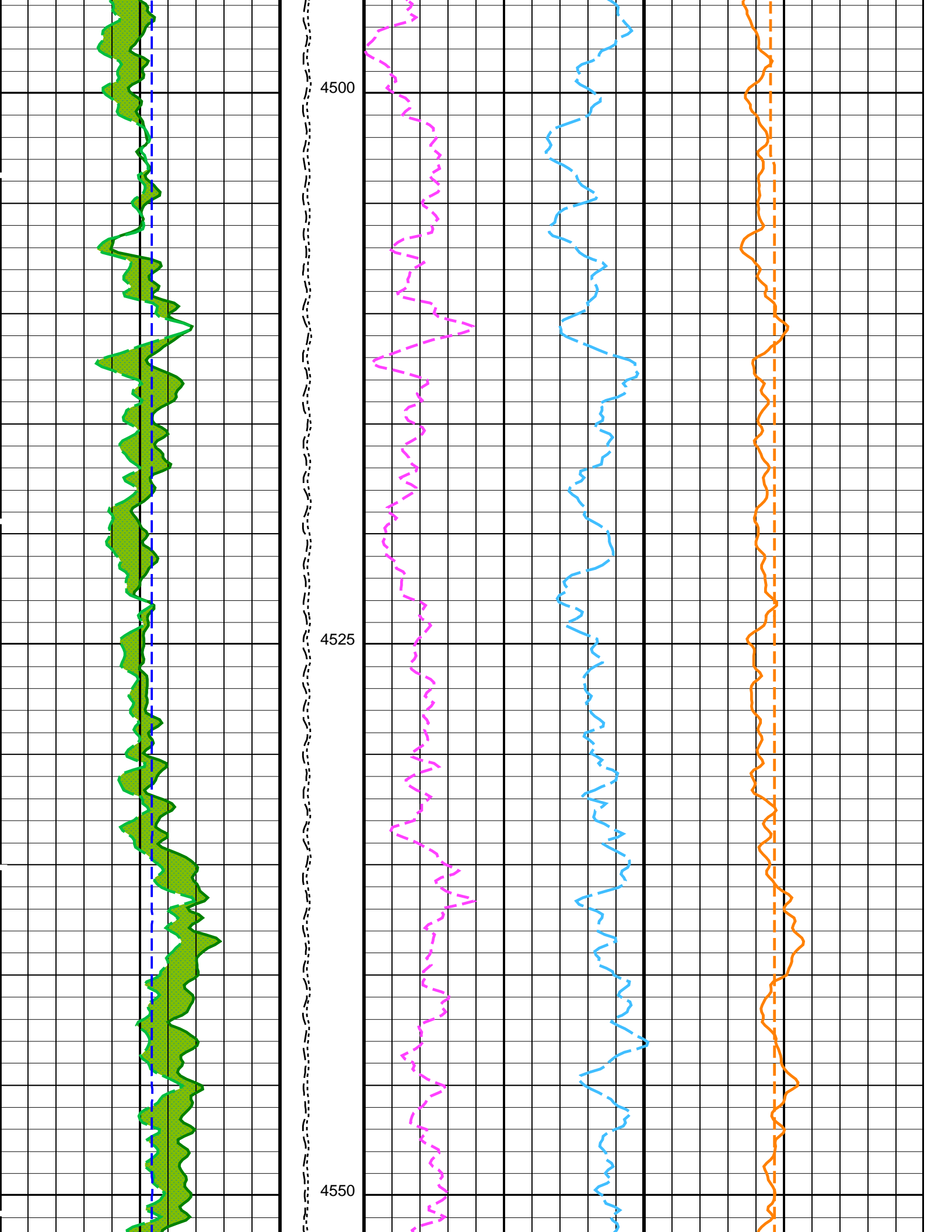


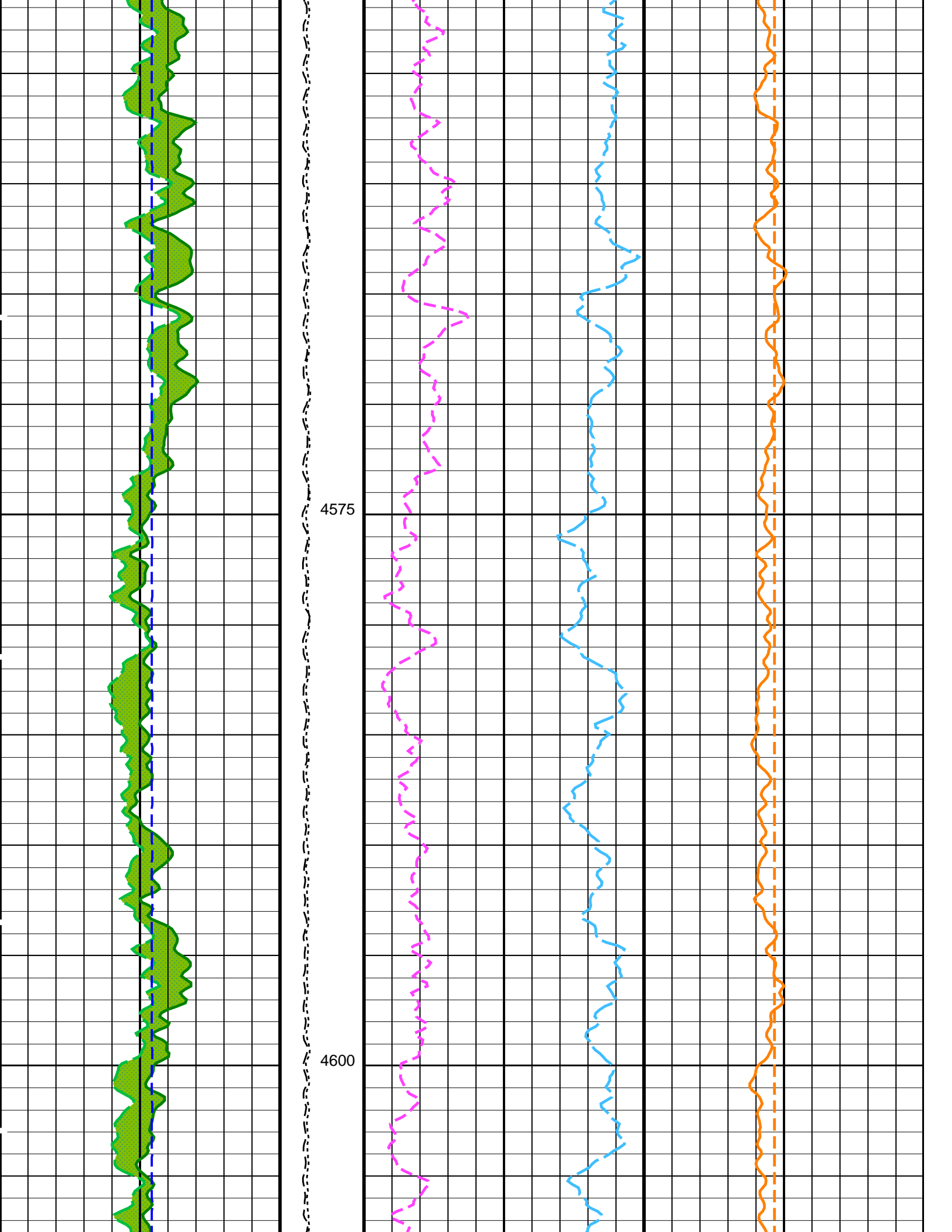


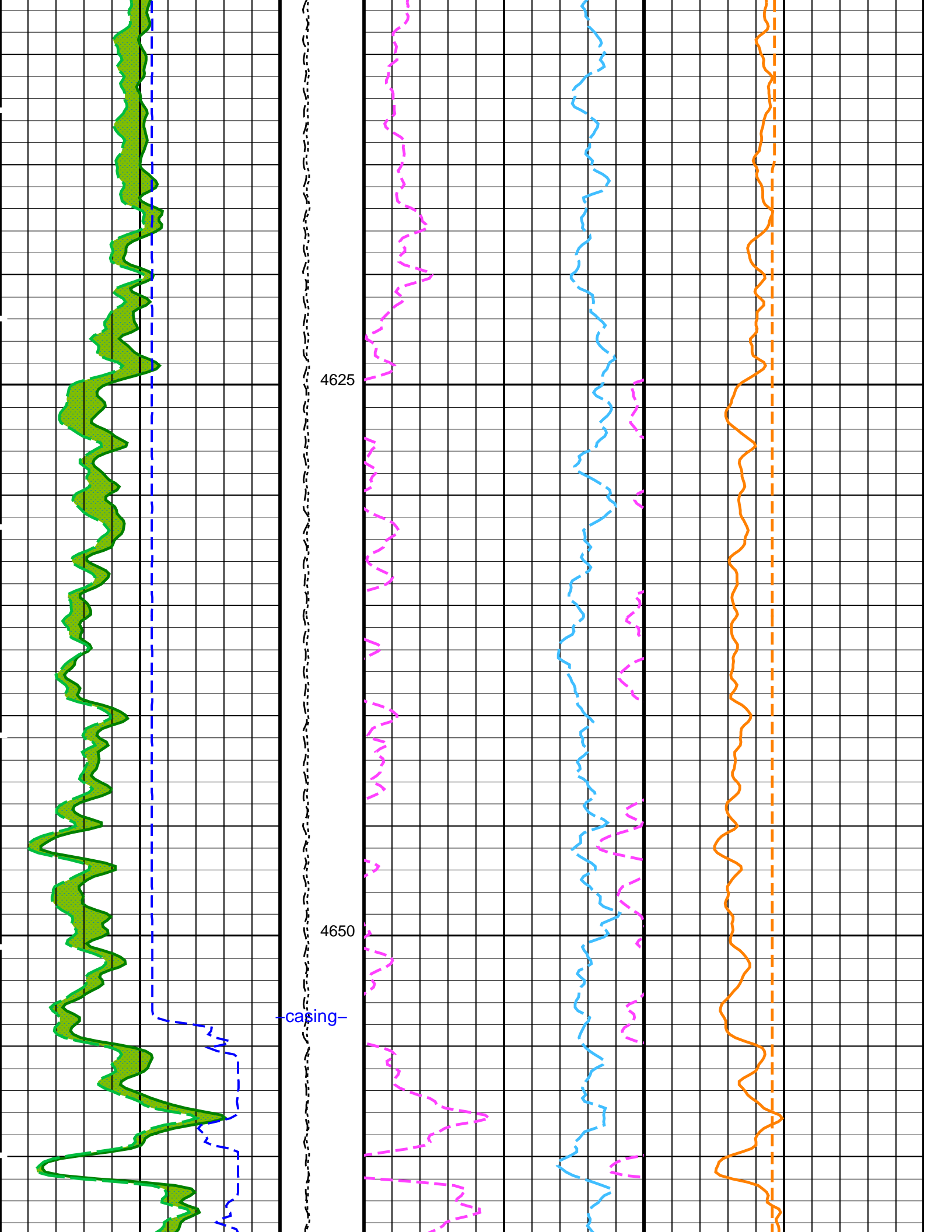


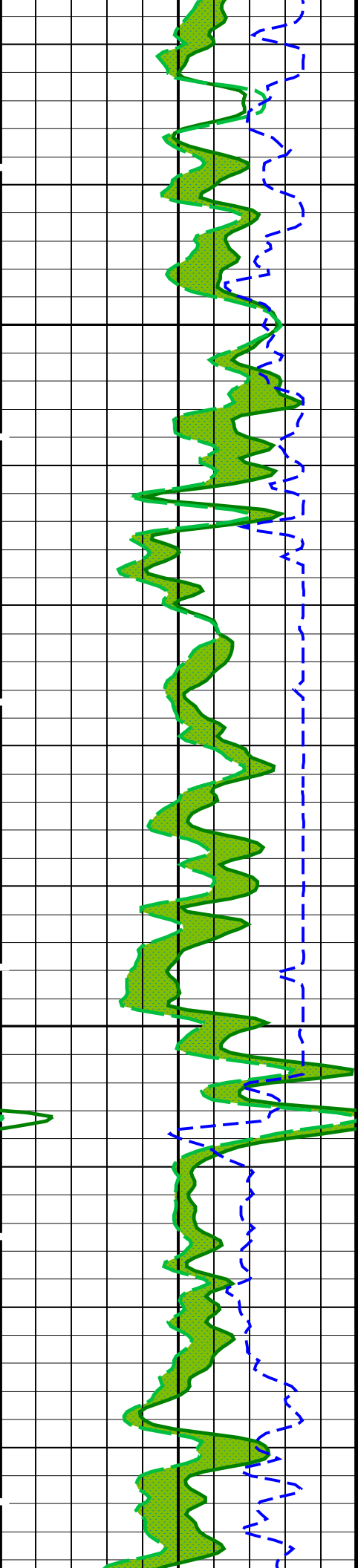




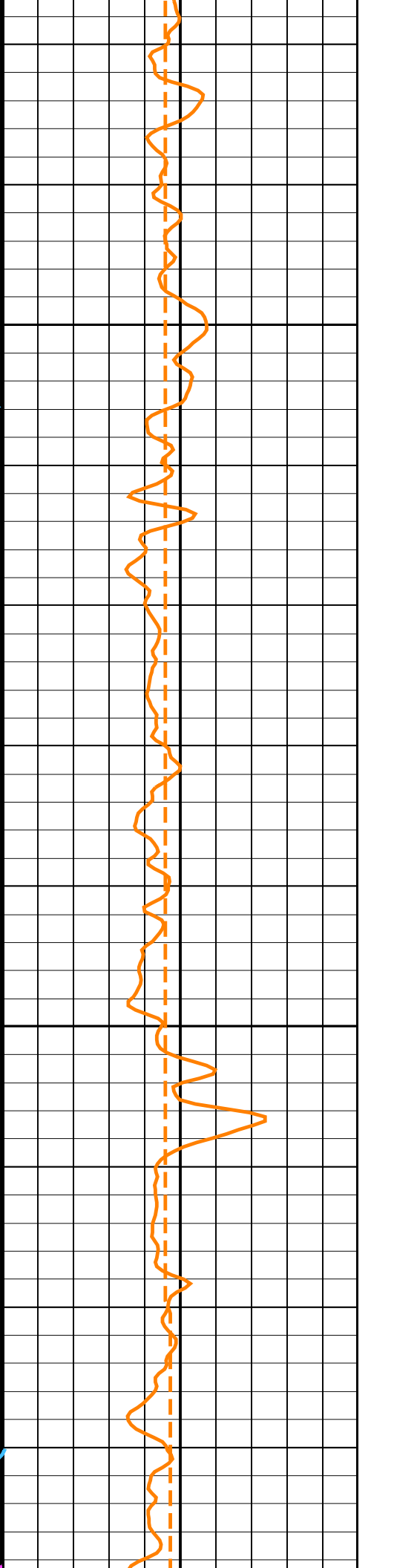
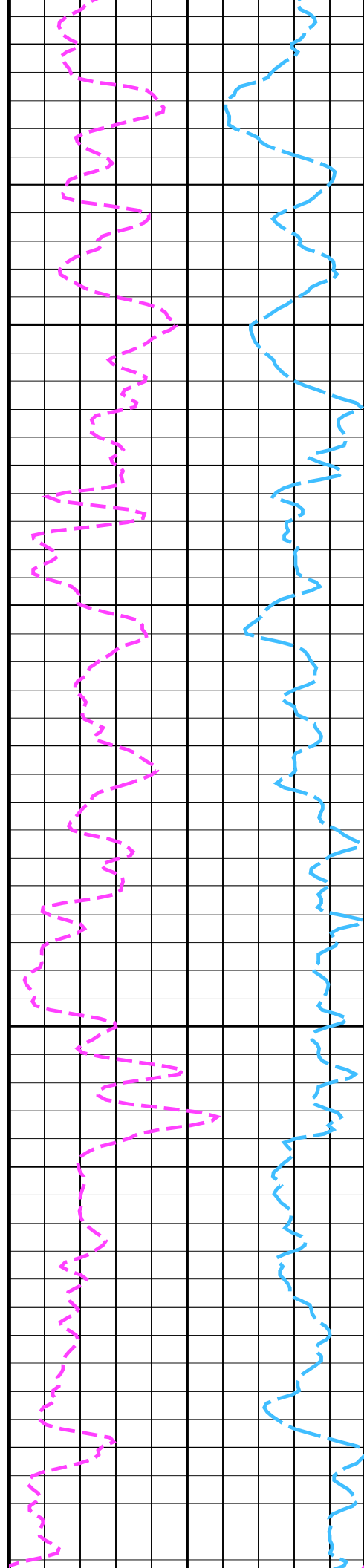


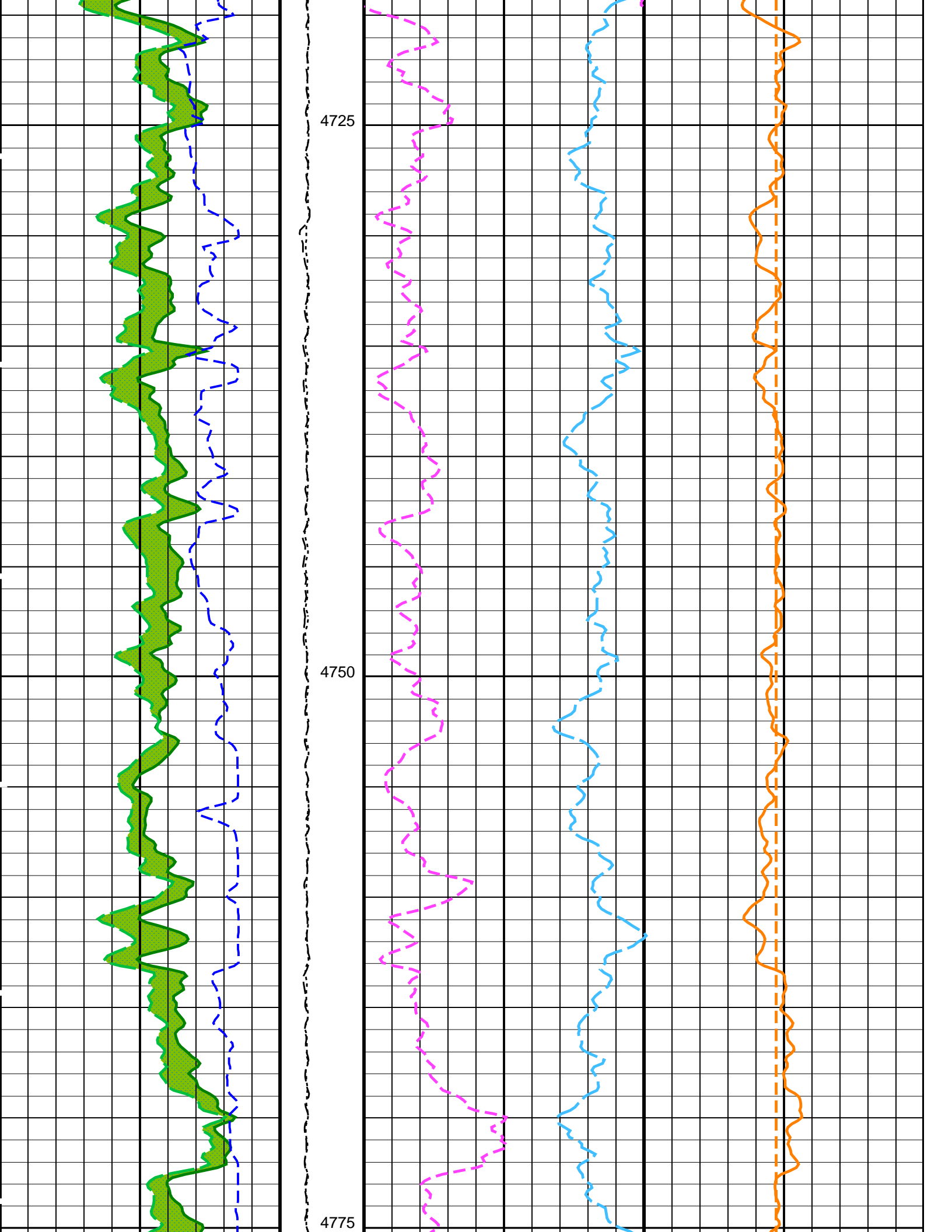


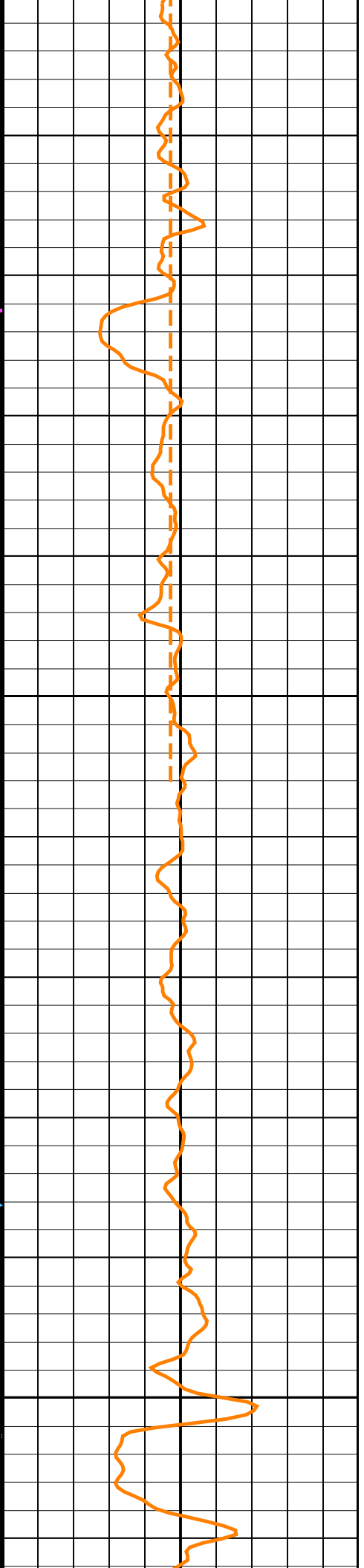
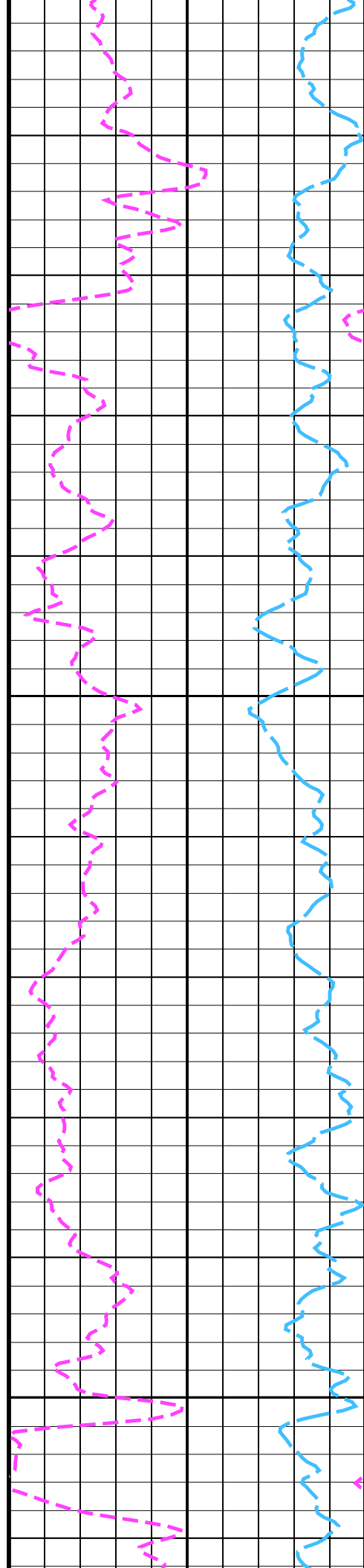
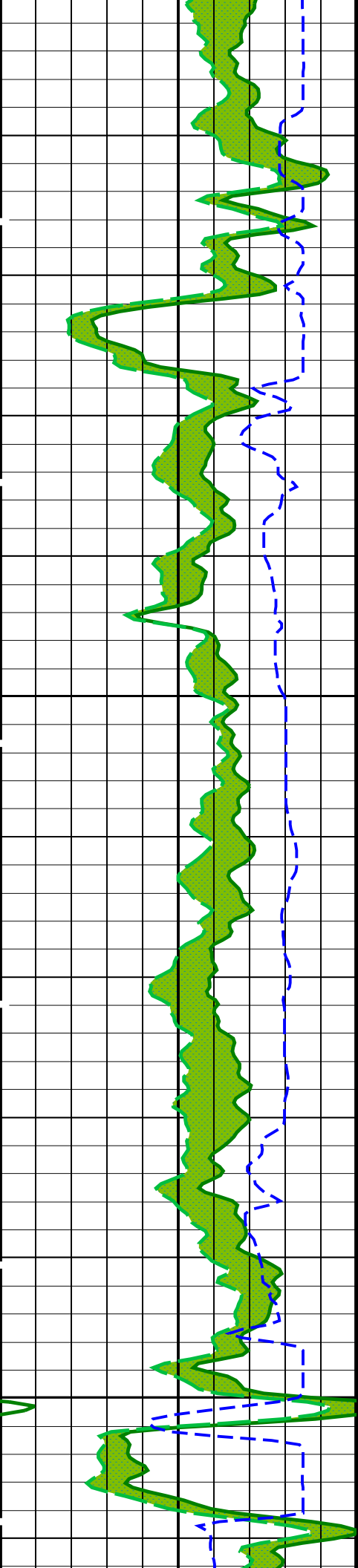


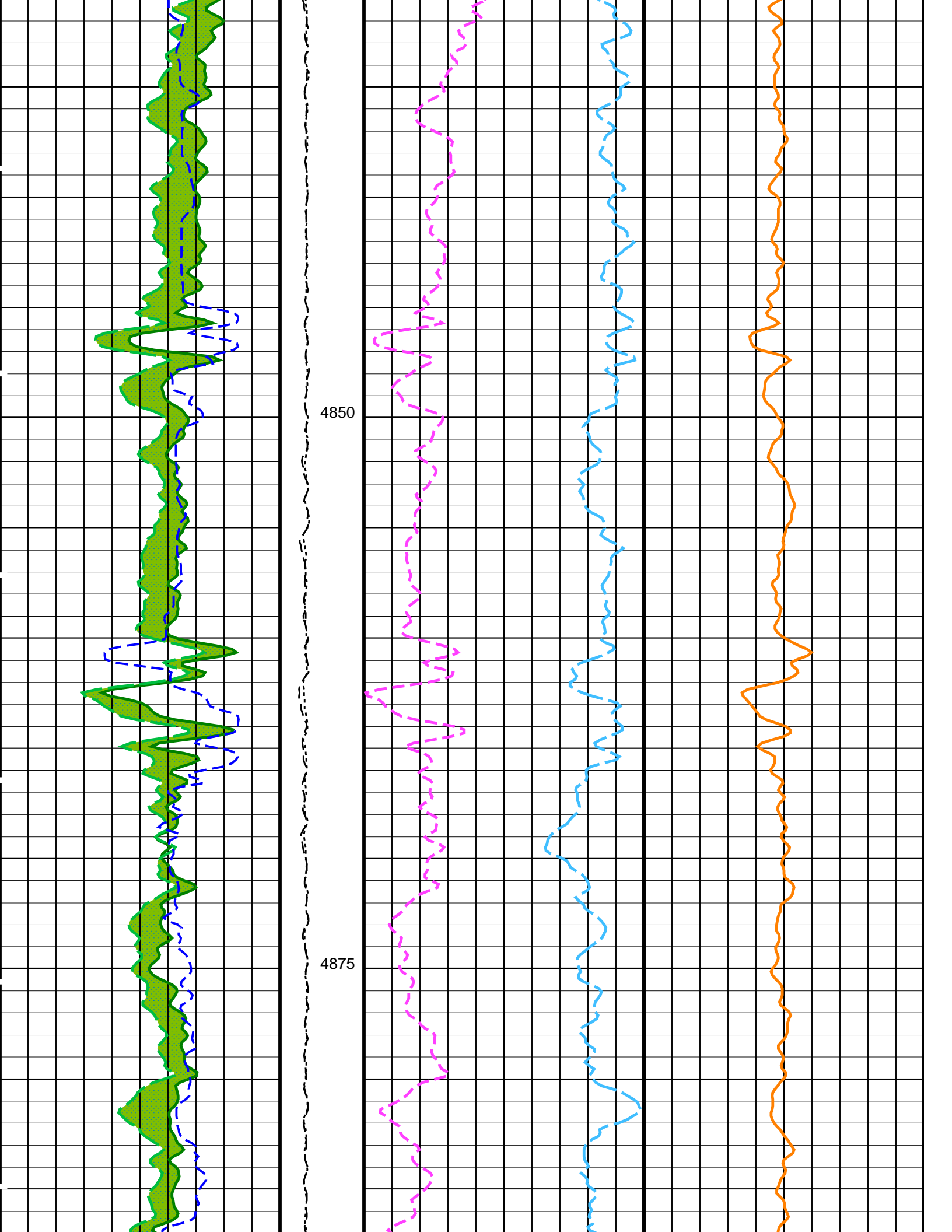


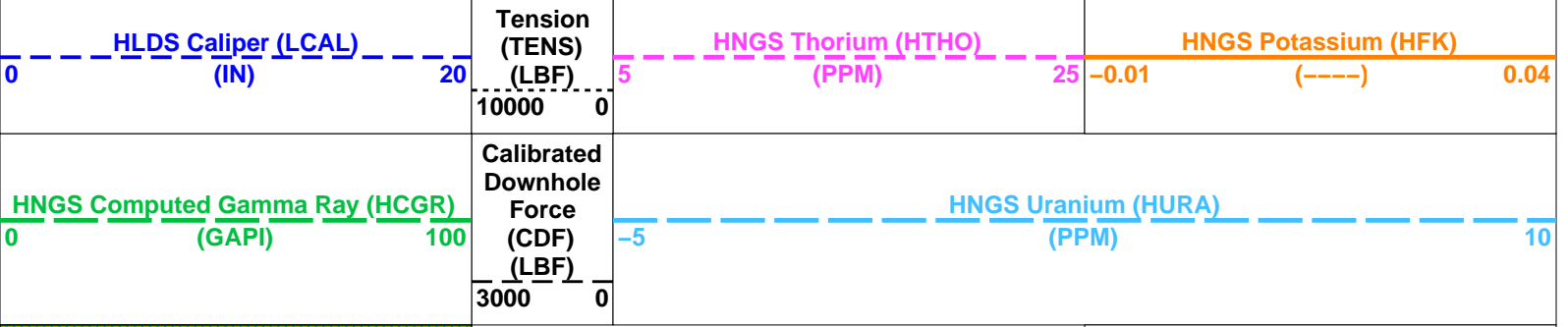
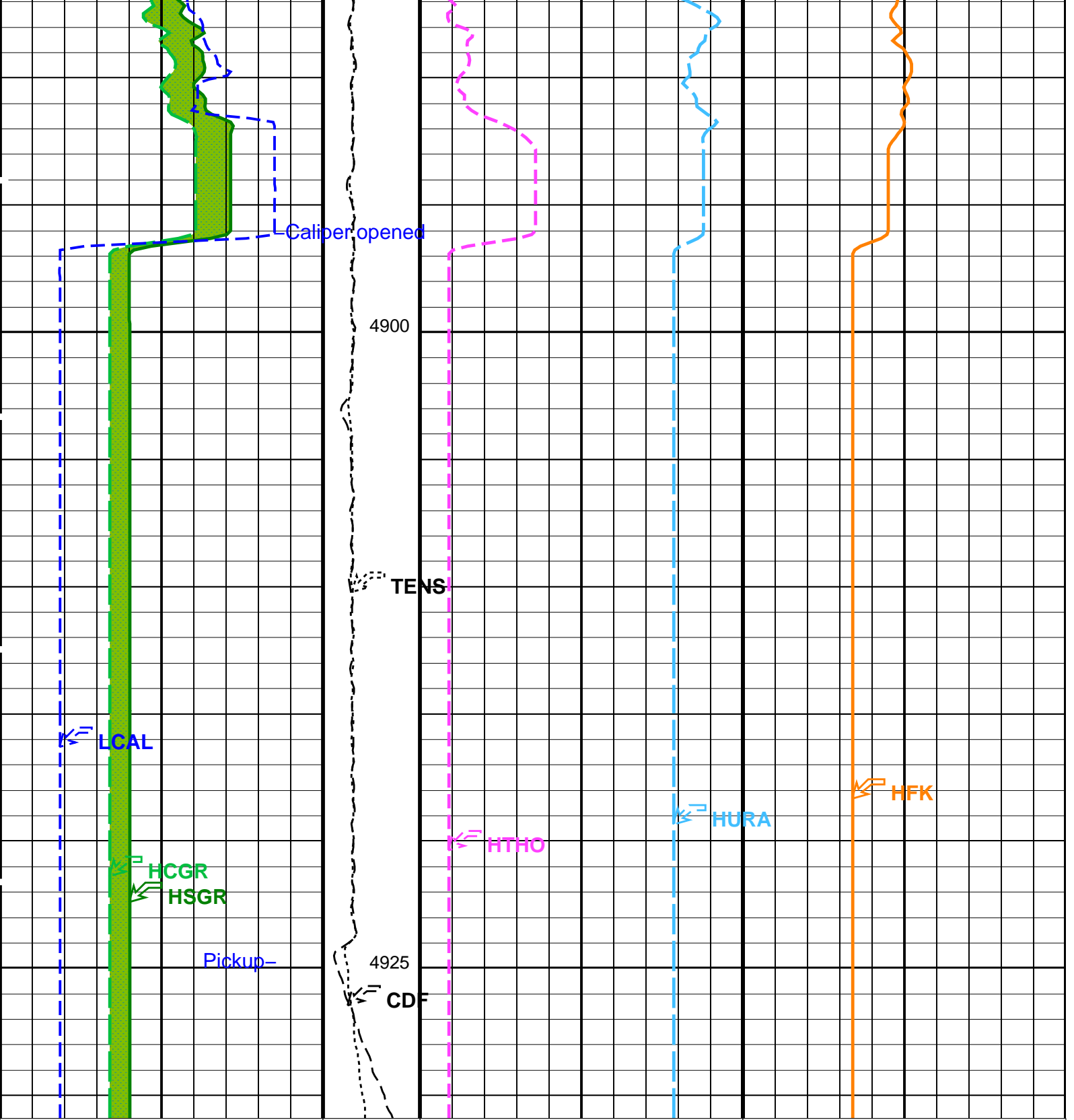
4675
4700











Area1 From HCGR to HSGR Main Pass HNGS Borehole Potassium (HBHK) -0.05 (-----) 0.05

HNGS Spectroscopy Gamma Ray

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager - B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
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	10.75	IN
CSD2	Outer Casing Outer Diameter	10.75	IN
CSW1	Inner Casing Weight	45	LB/F
CSW2	Outer Casing Weight	45	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00192069	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.992004	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.990962	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.32	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 06-Apr-2017 20:24

OP System Version: 19C0-187

DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_030LUP	FN:35	PRODUCER	06-Apr-2017 18:03	4930.9 M	3798.9 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_038PUP	FN:51	PRODUCER	06-Apr-2017 20:24		
BACKUP	DSI_HRLA_LDL_NGS_038PUP	FN:52	PRODUCER	06-Apr-2017 20:24		

Company: International Ocean Discovery Program

Well: Expedition 367, Site U1500B

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_030LUP	FN:35	PRODUCER	06-Apr-2017 18:03	4930.9 M	3798.9 M
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Output DLIS Files

OP System Version: 19C0-187

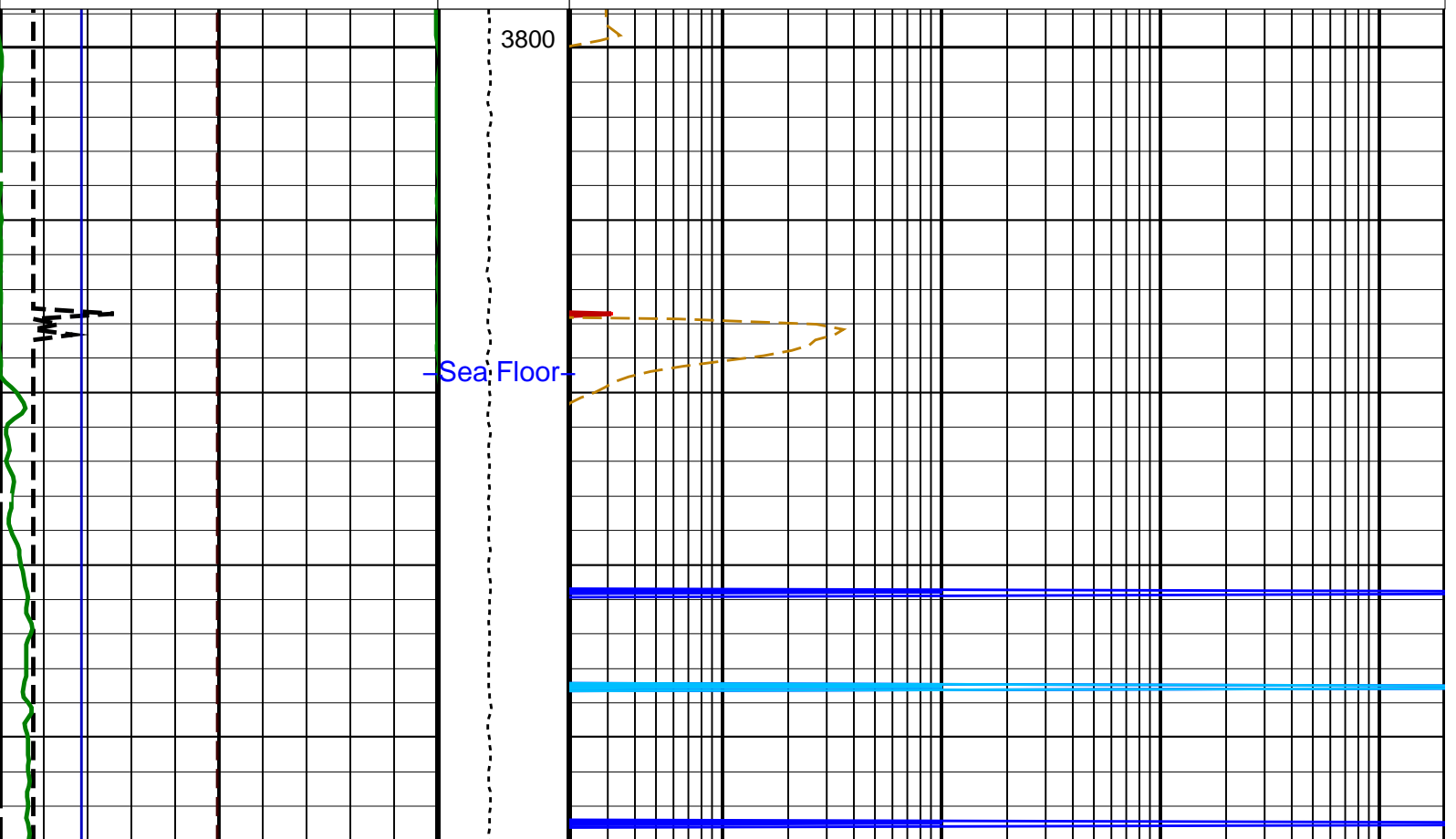
DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

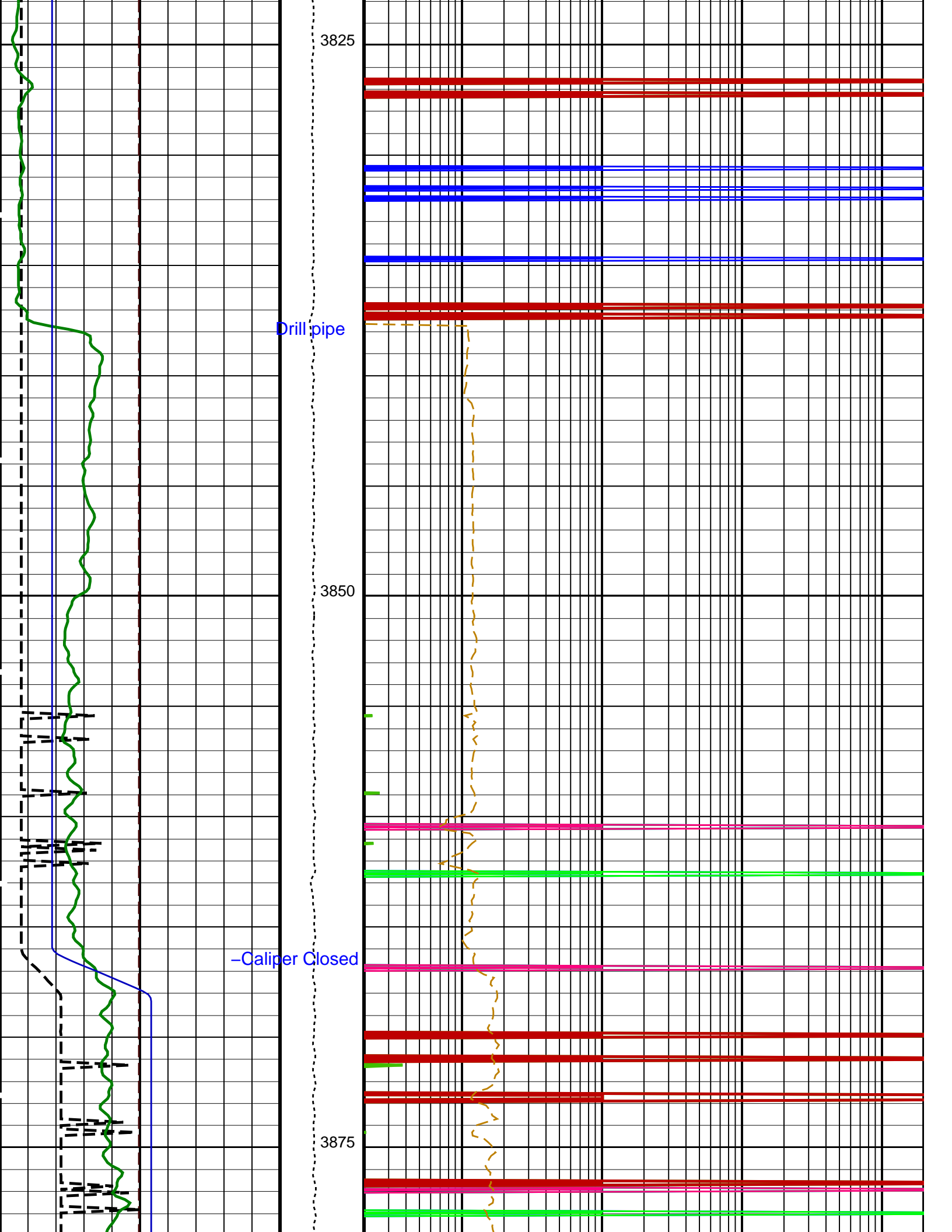
PIP SUMMARY

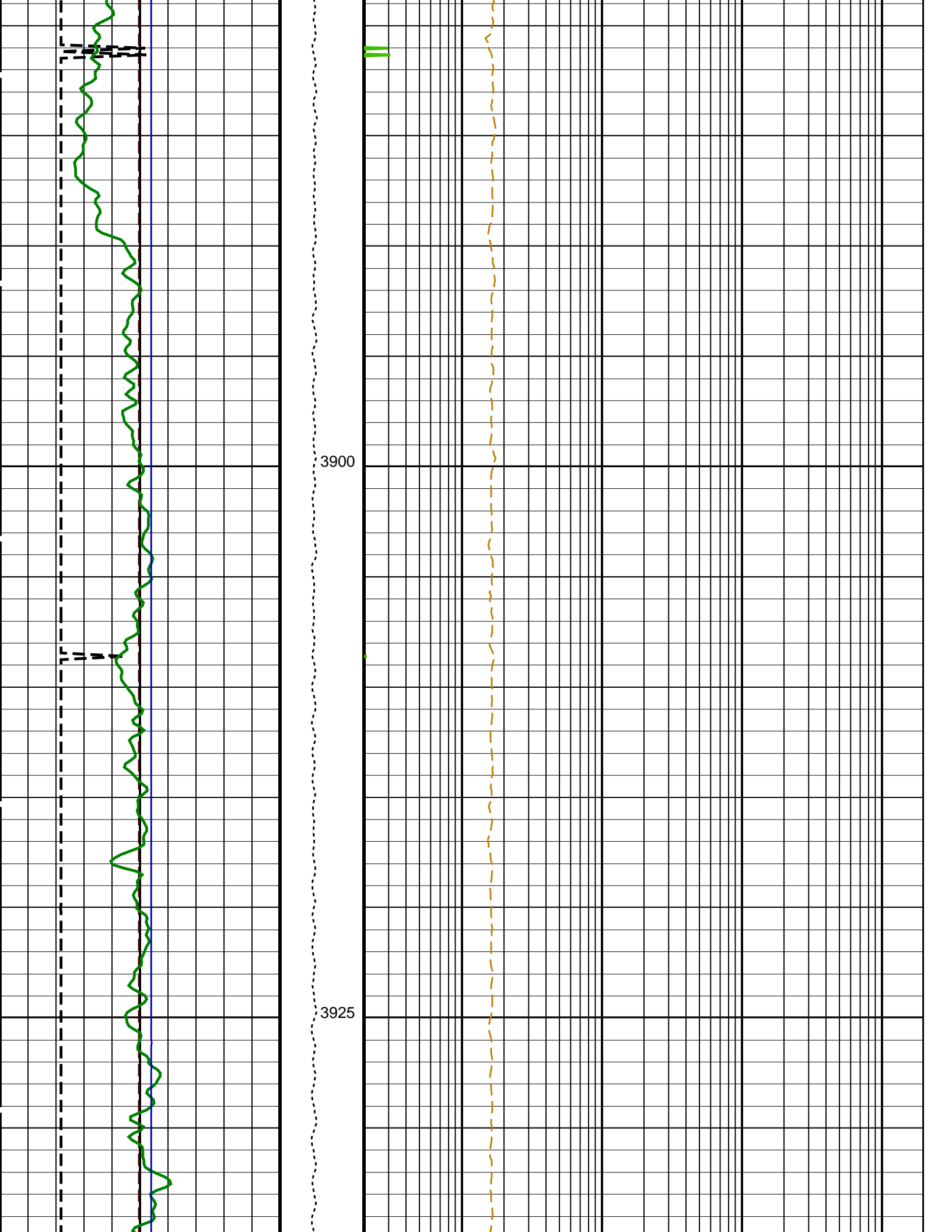
Time Mark Every 60 S

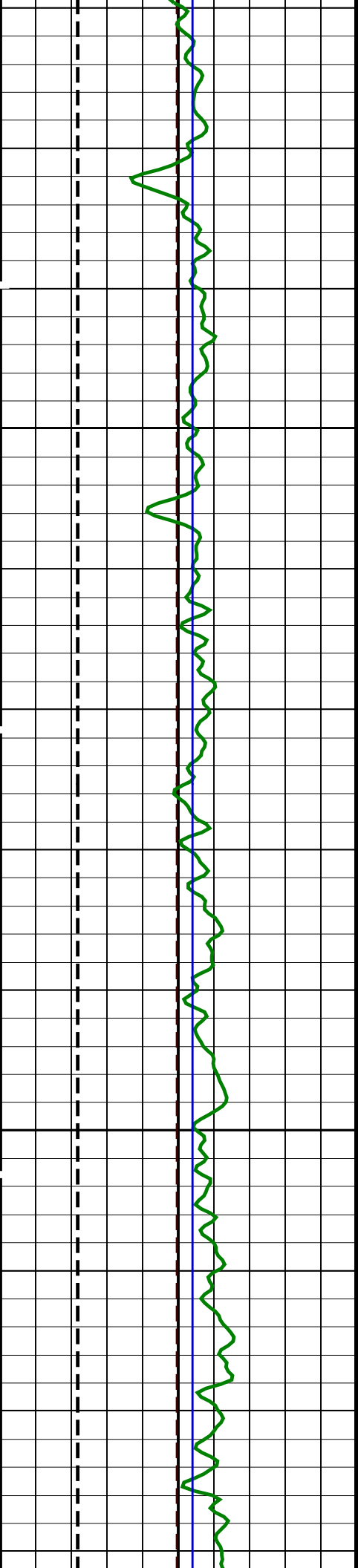
HRLT True Resistivity (RT_HRLT)	
0.2	2000
(OHMM)	
Invaded Zone Resistivity (RXO_HRLT)	
0.2	2000
(OHMM)	
HRLT Mud Resistivity (RM_HRLT)	
0.02	200
(OHMM)	
HRLT Resistivity 5 (RLA5)	
0.2	2000
(OHMM)	
HRLT Resistivity 4 (RLA4)	
0.2	2000
(OHMM)	
HRLT Resistivity 3 (RLA3)	
0.2	2000
(OHMM)	
HRLT Resistivity 2 (RLA2)	
0.2	2000
(OHMM)	
HRLT Resistivity 1 (RLA1)	
0.2	2000
(OHMM)	

HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Invasion Diameter (DI_HRLT)		
0	(IN)	50
Caliper (LCAL)		
0	(IN)	20
Bit Size (BS)		
0	(IN)	20
Tension (TENS) (LBF)		
10000	0	



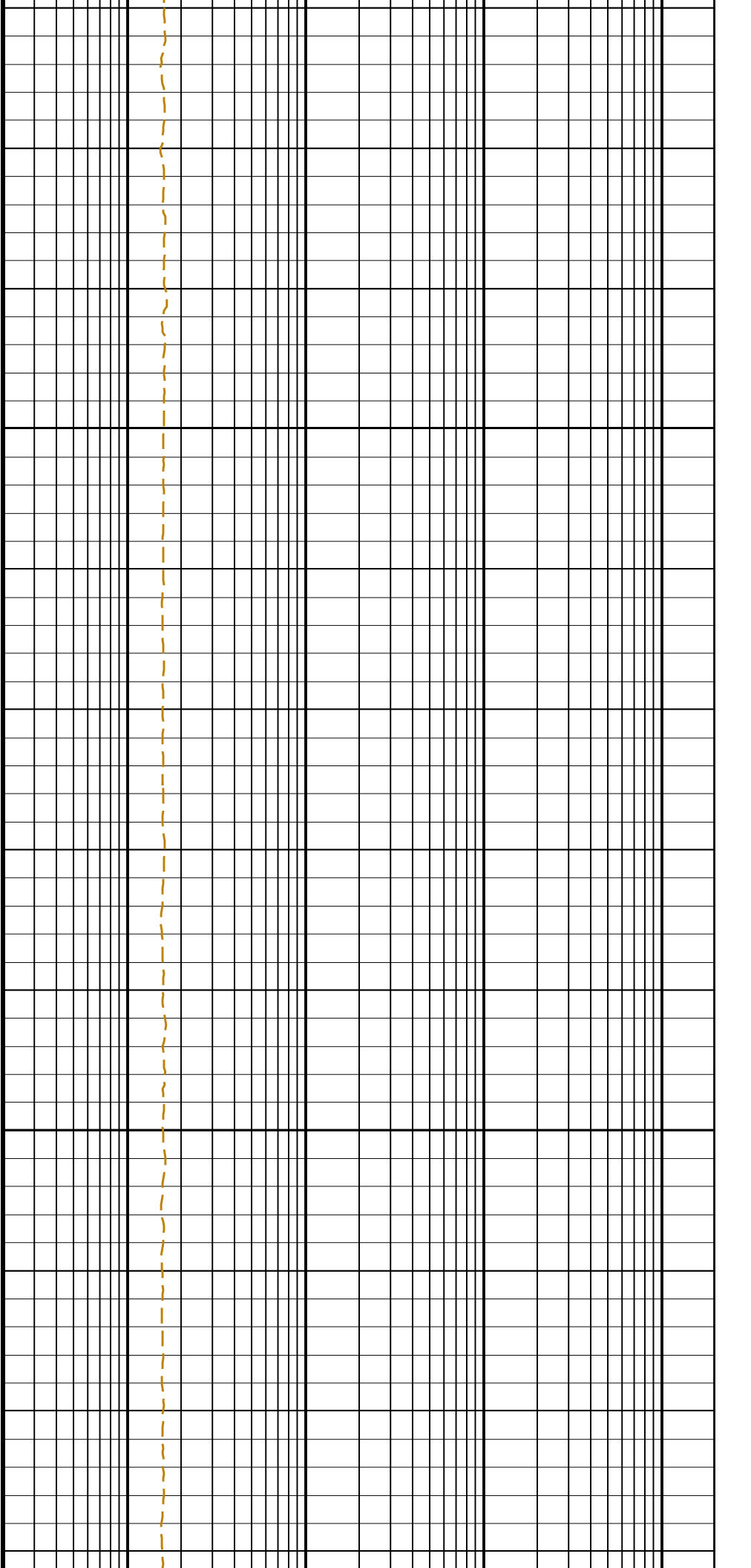


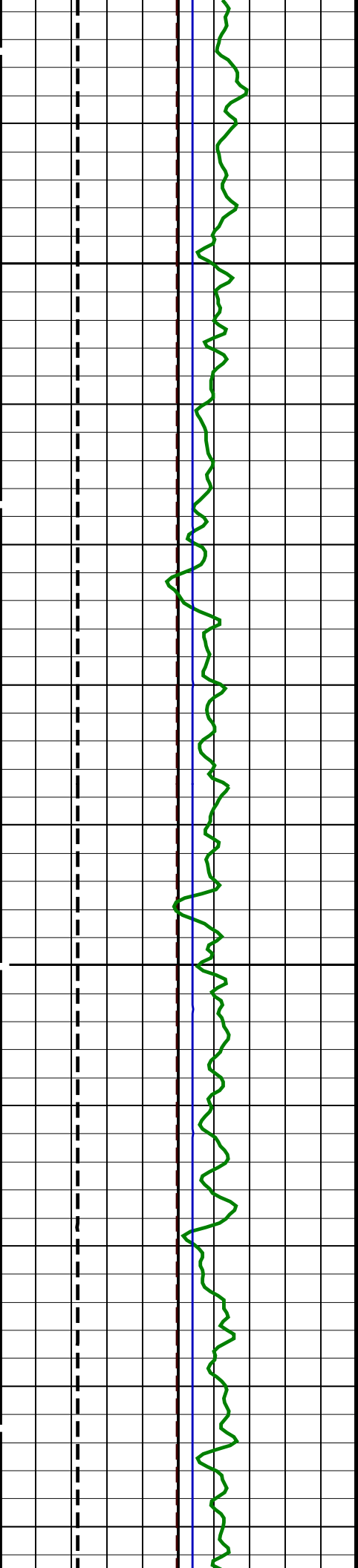




3950

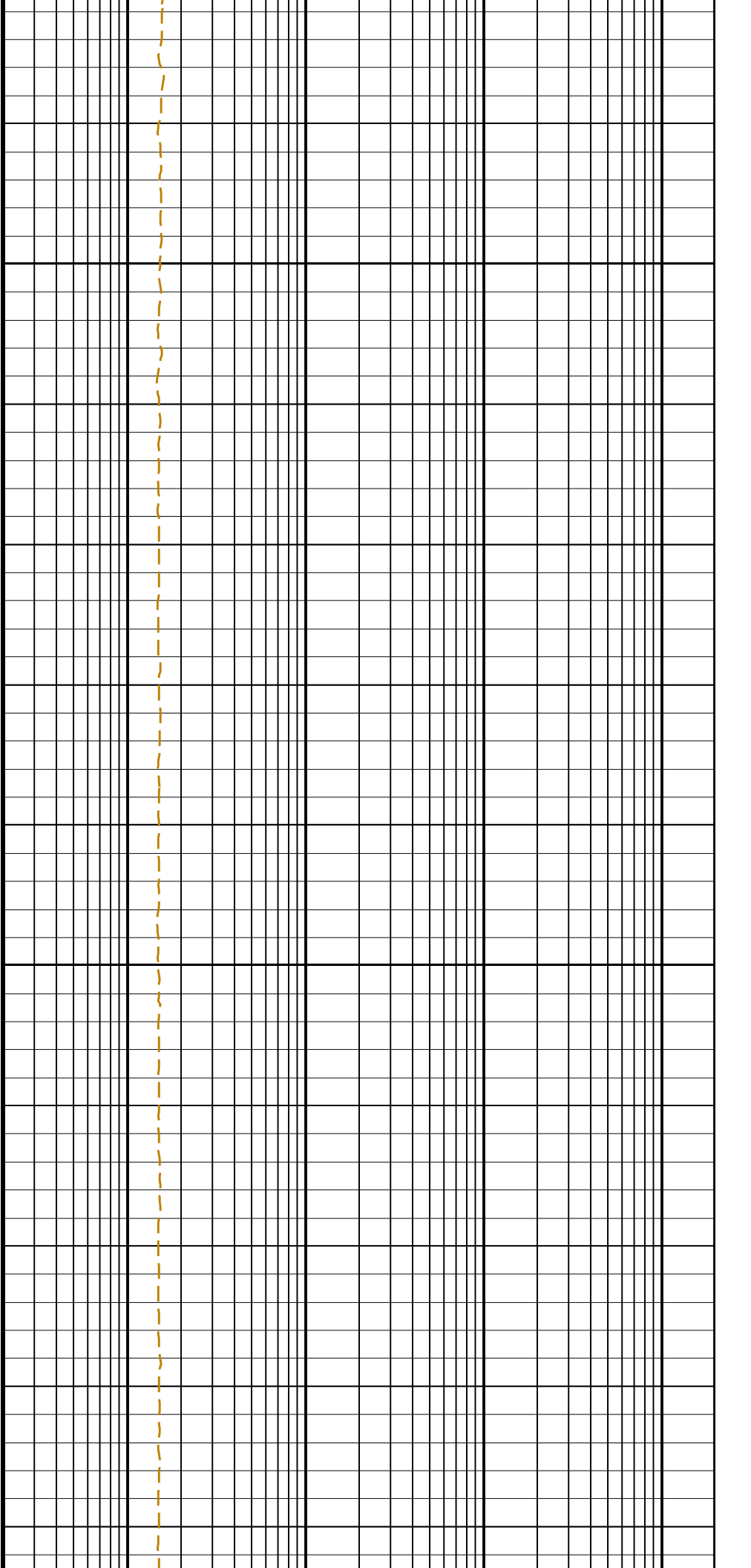
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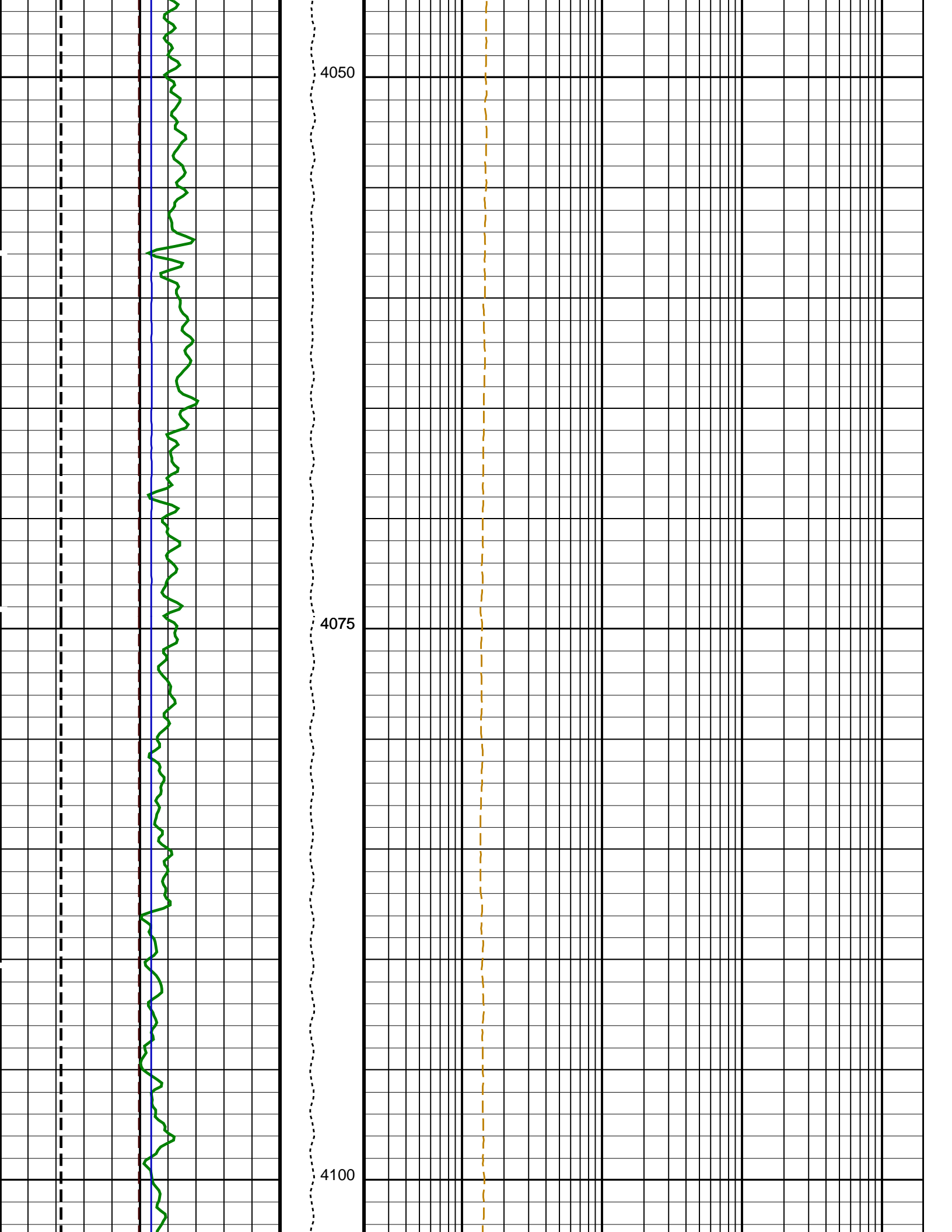


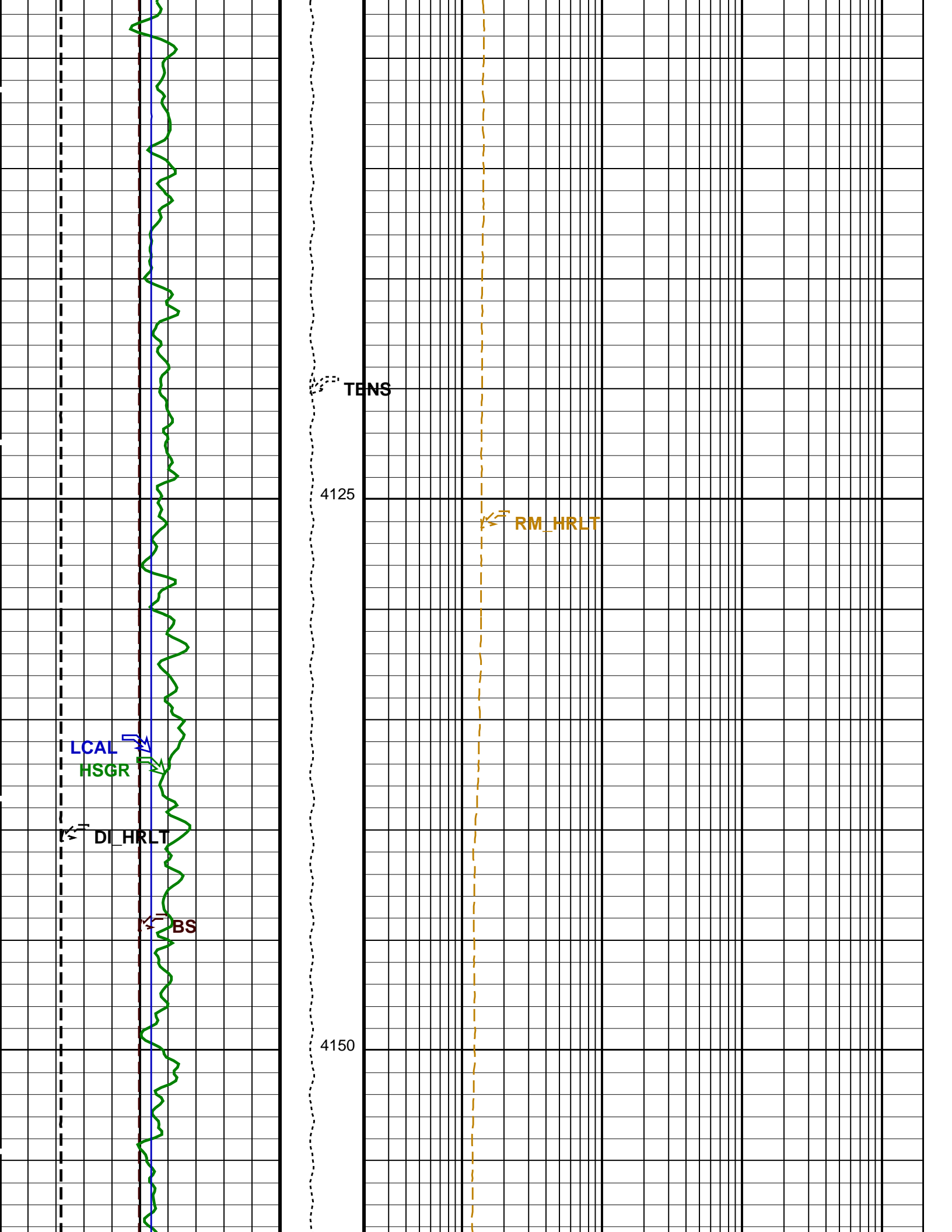


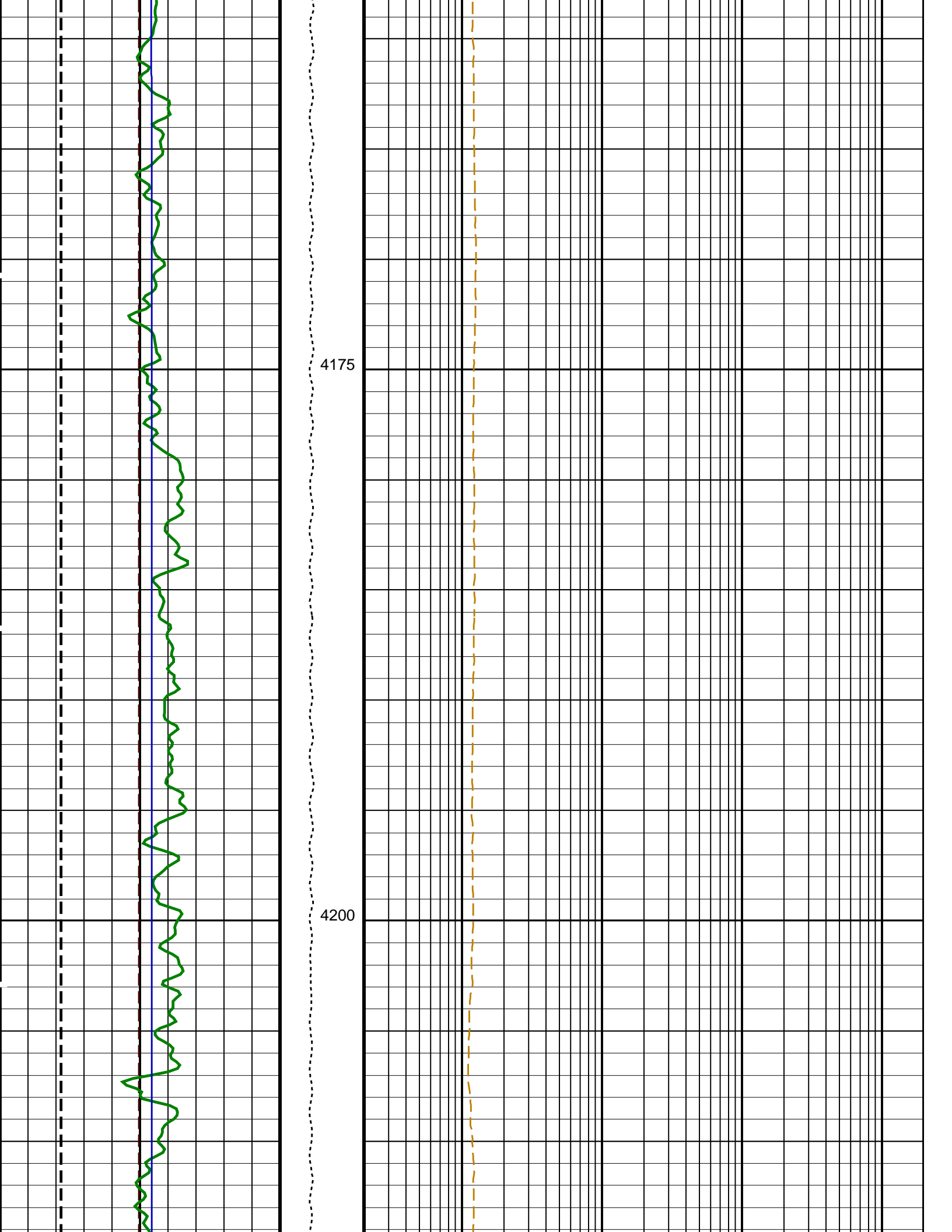
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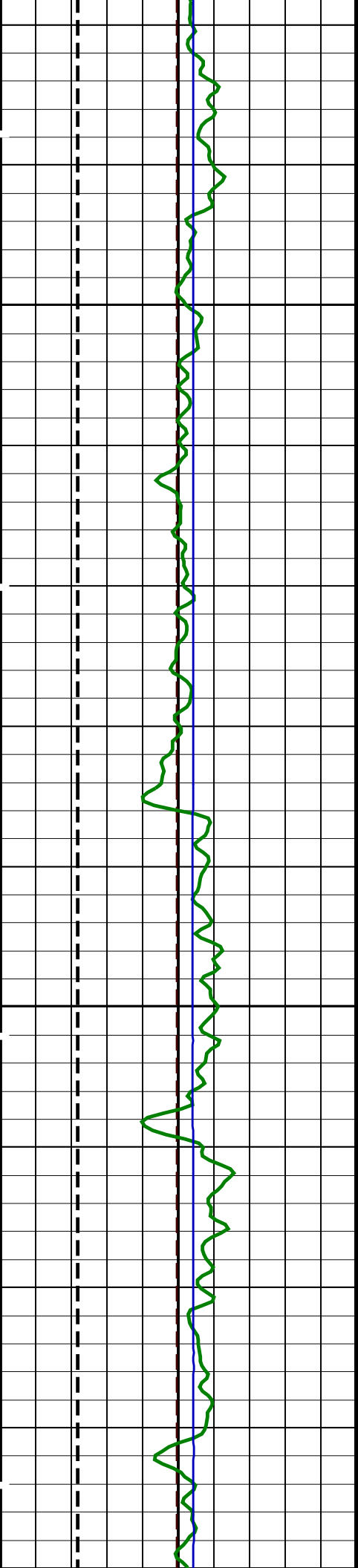
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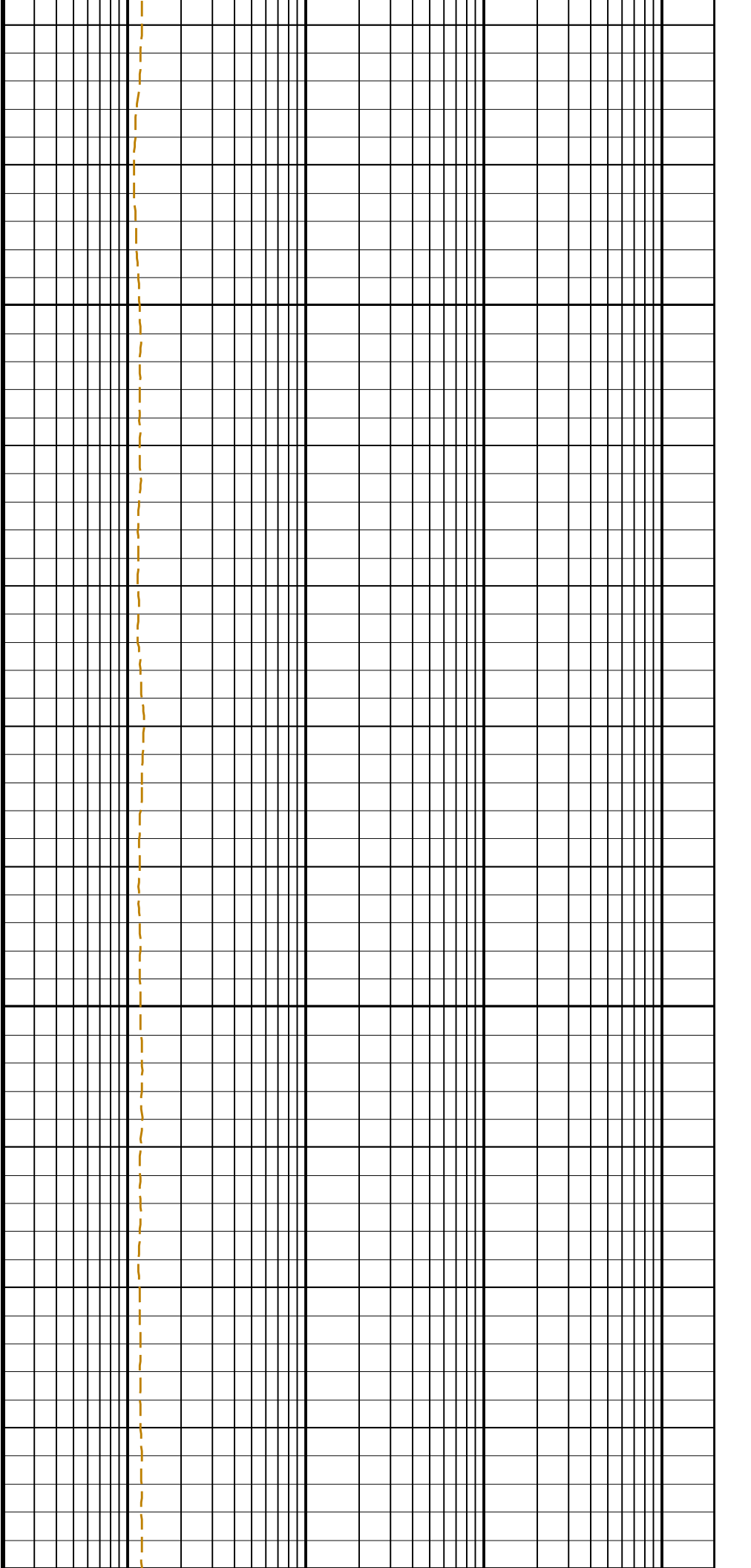


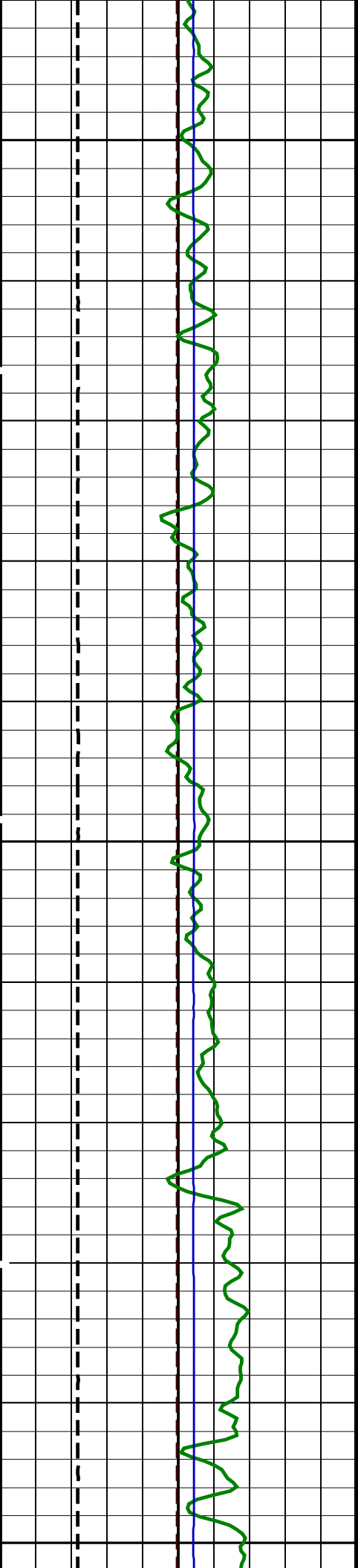




4225

4250

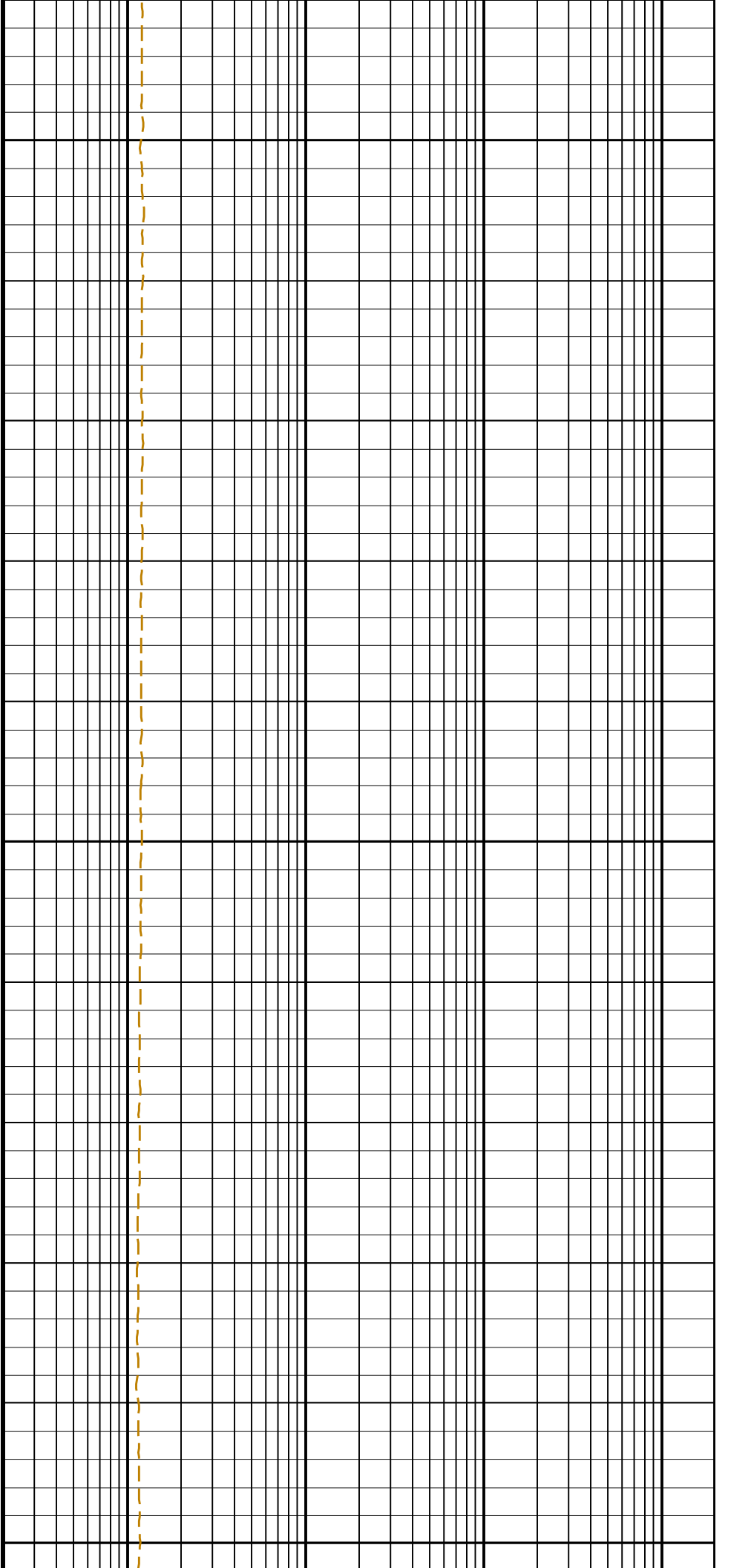


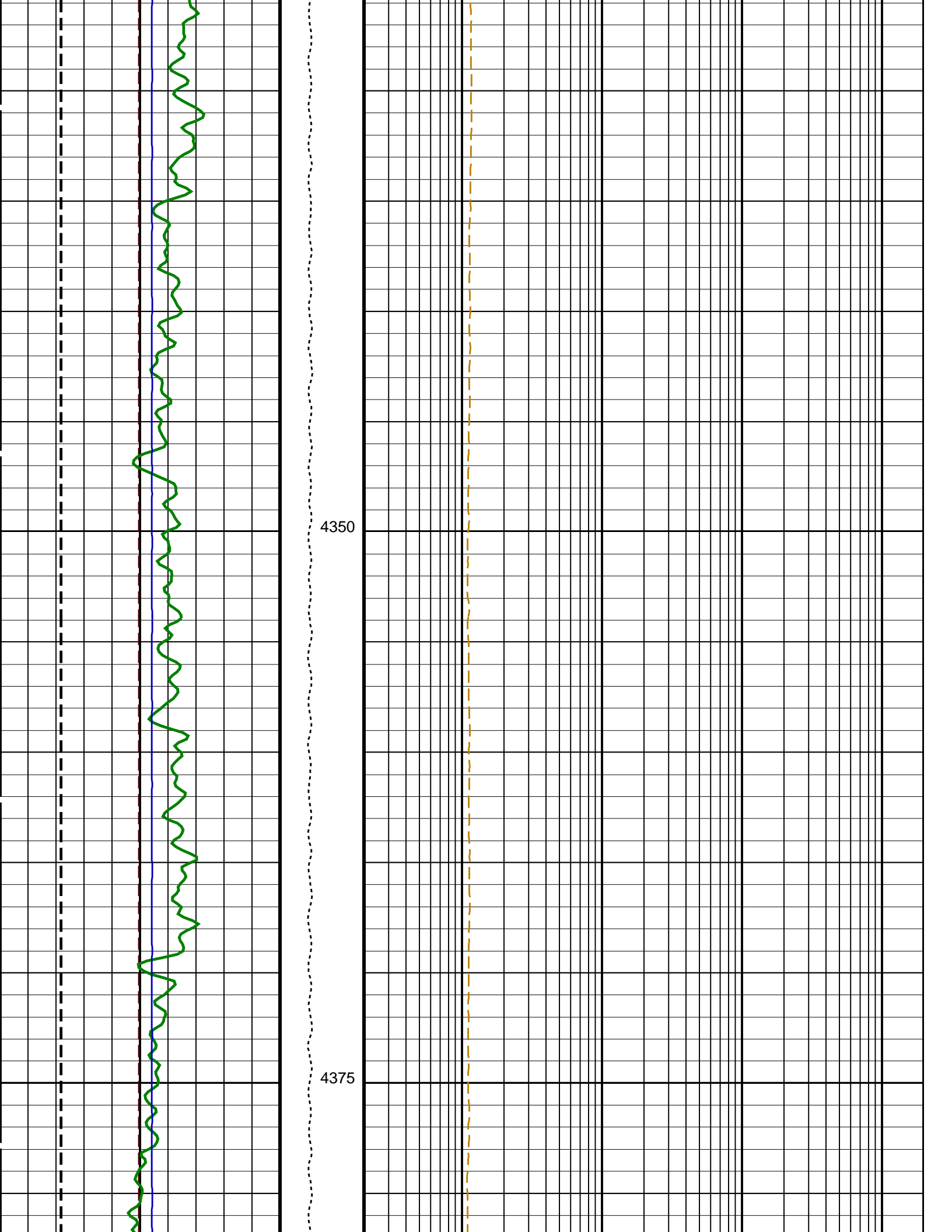


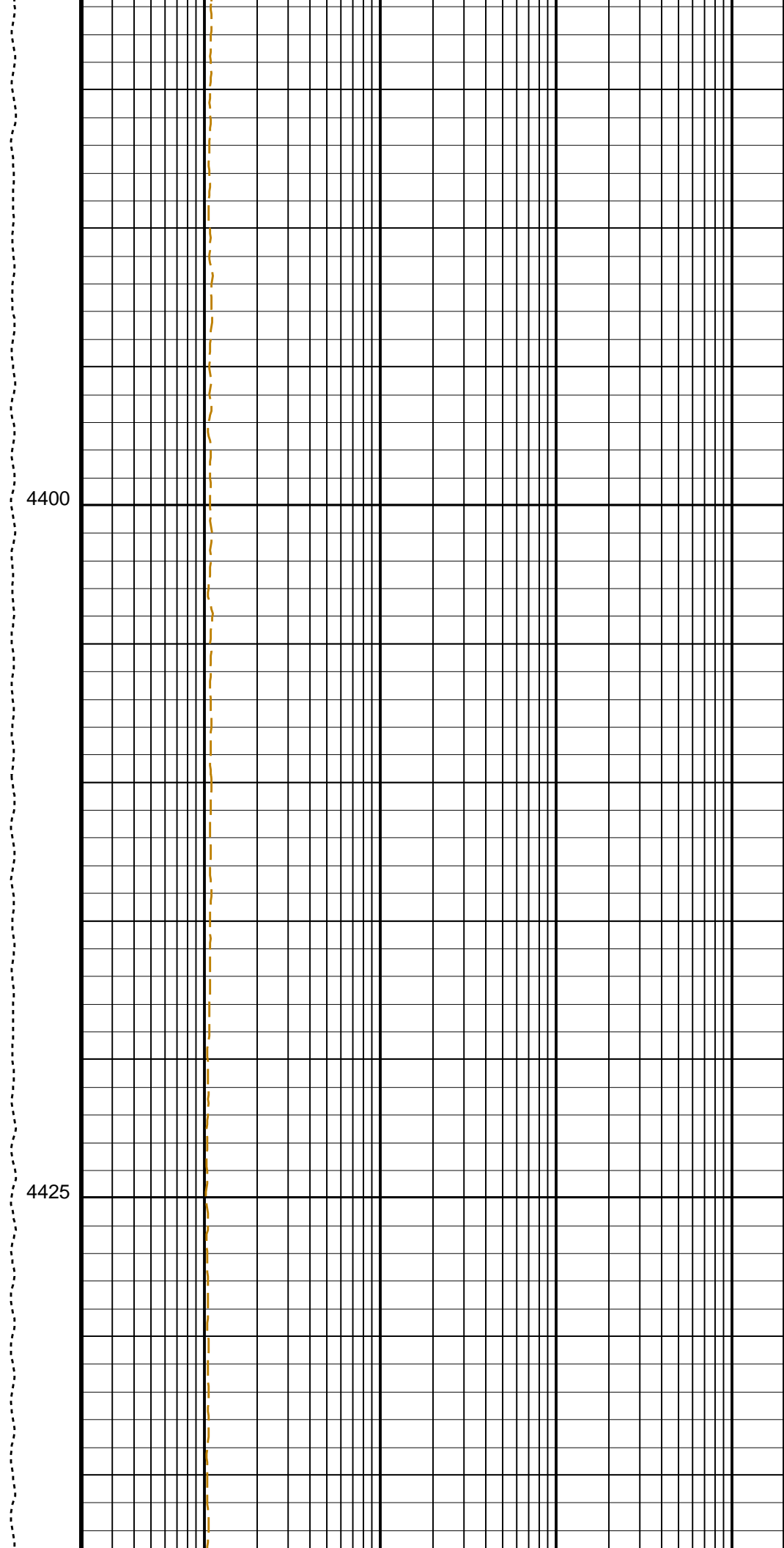
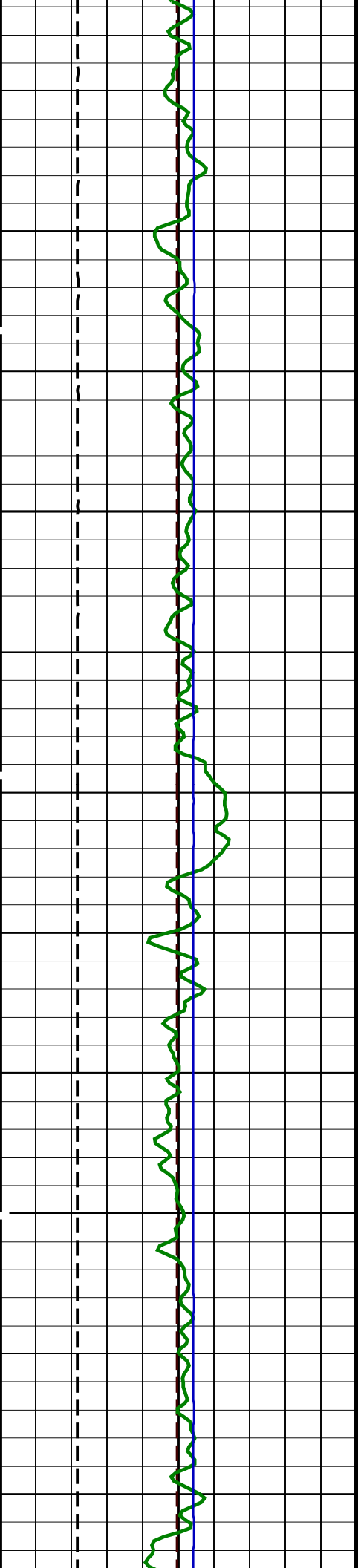
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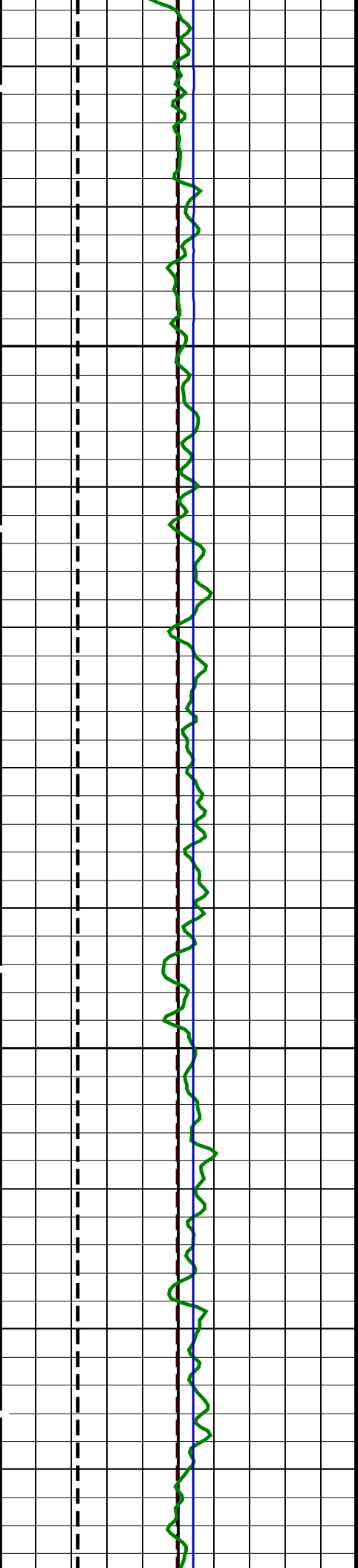
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4325



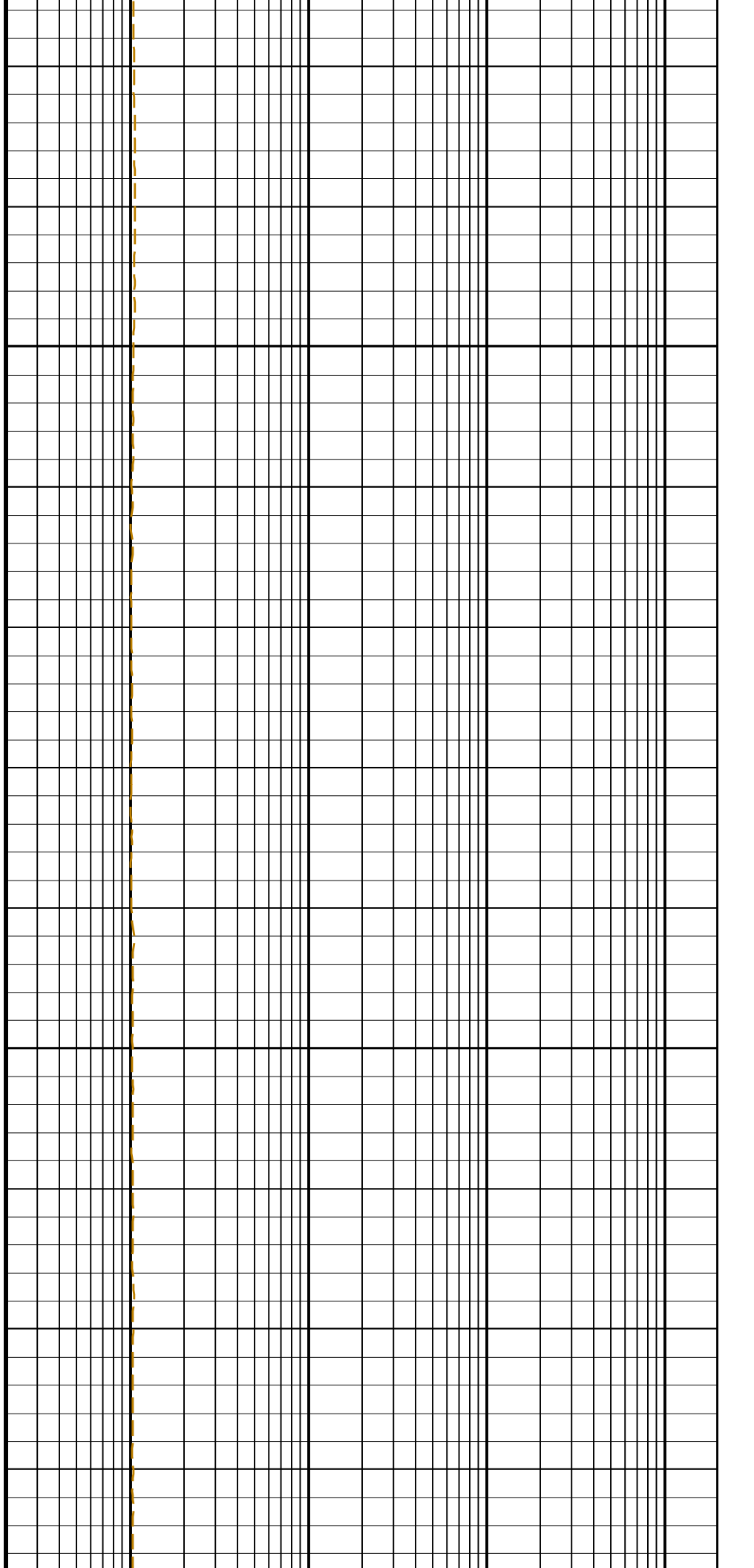


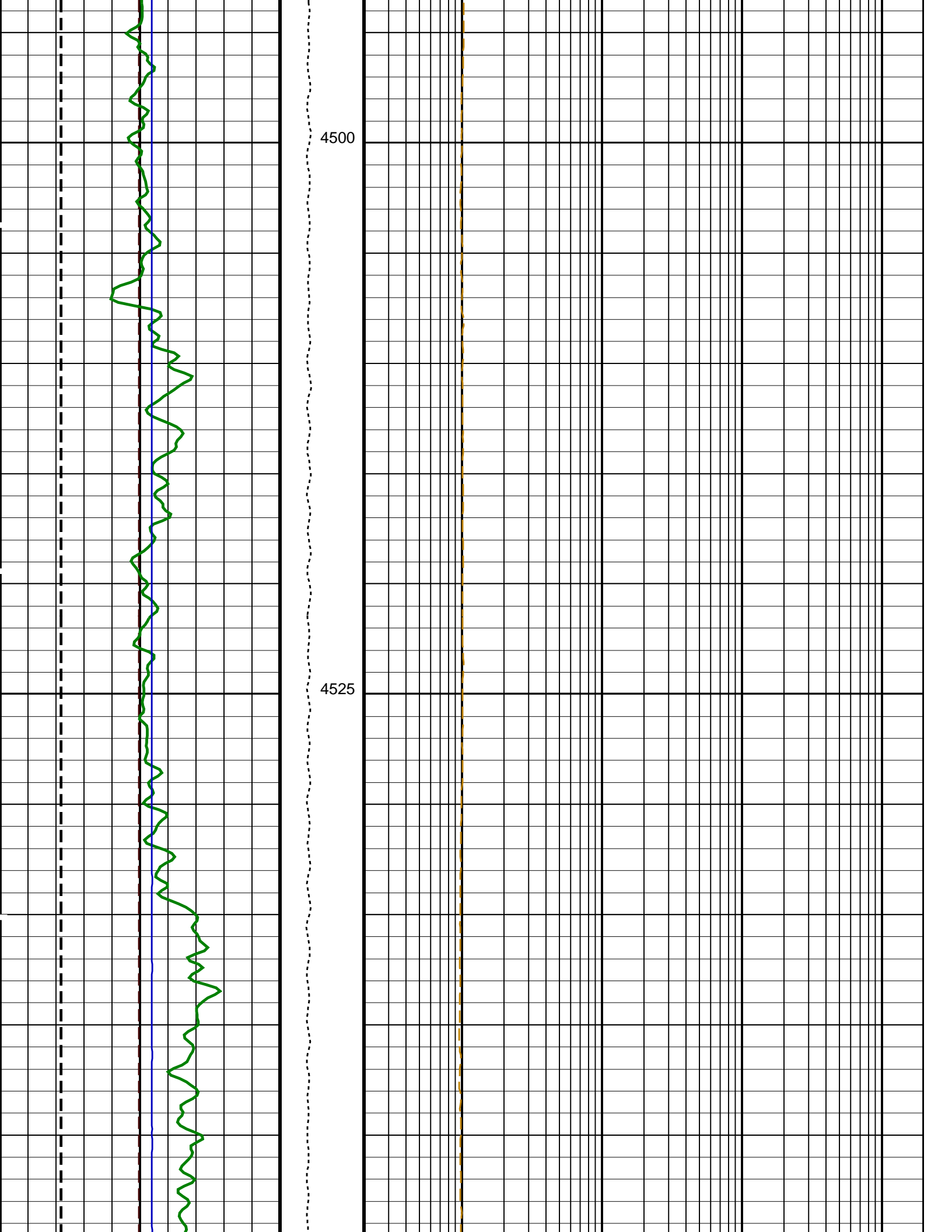


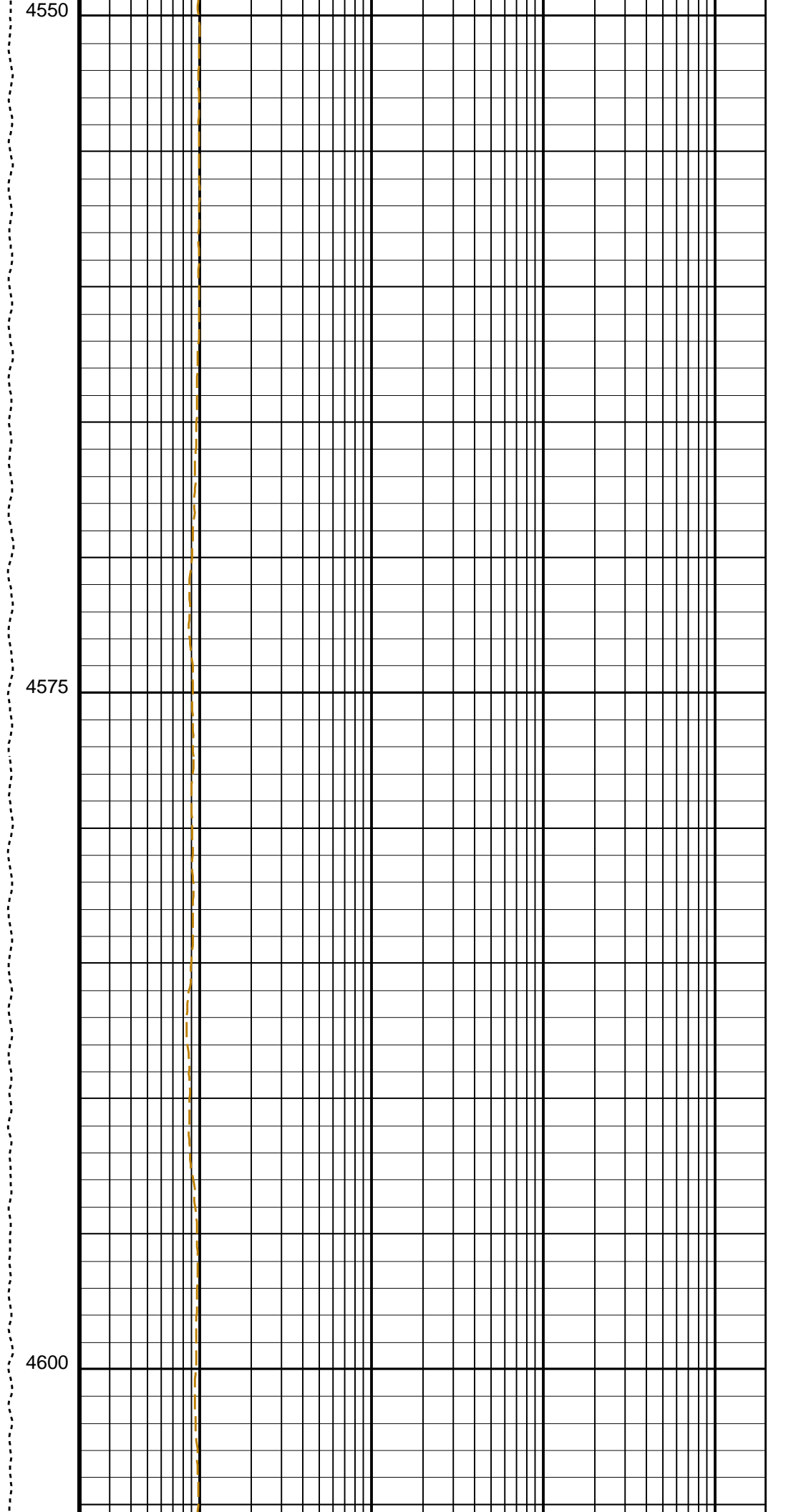
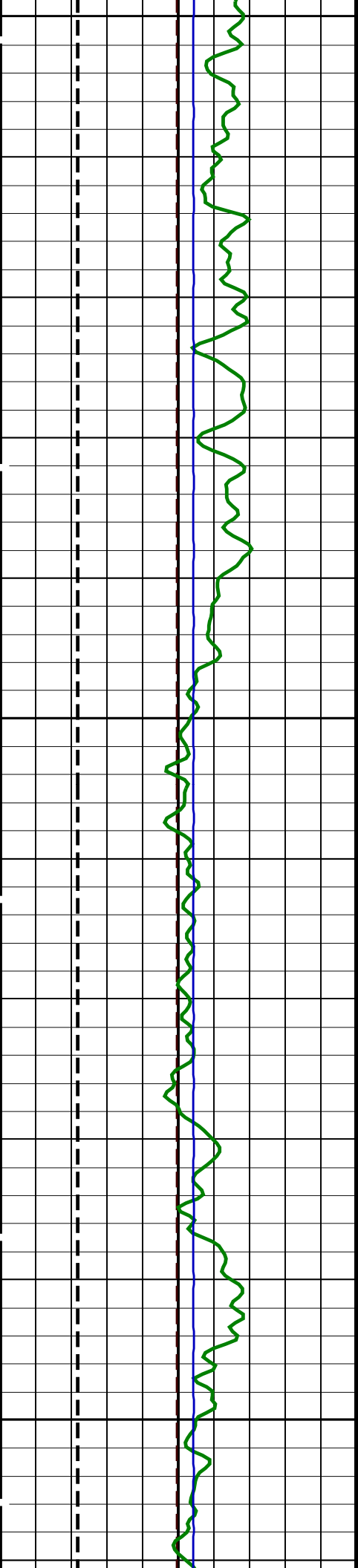


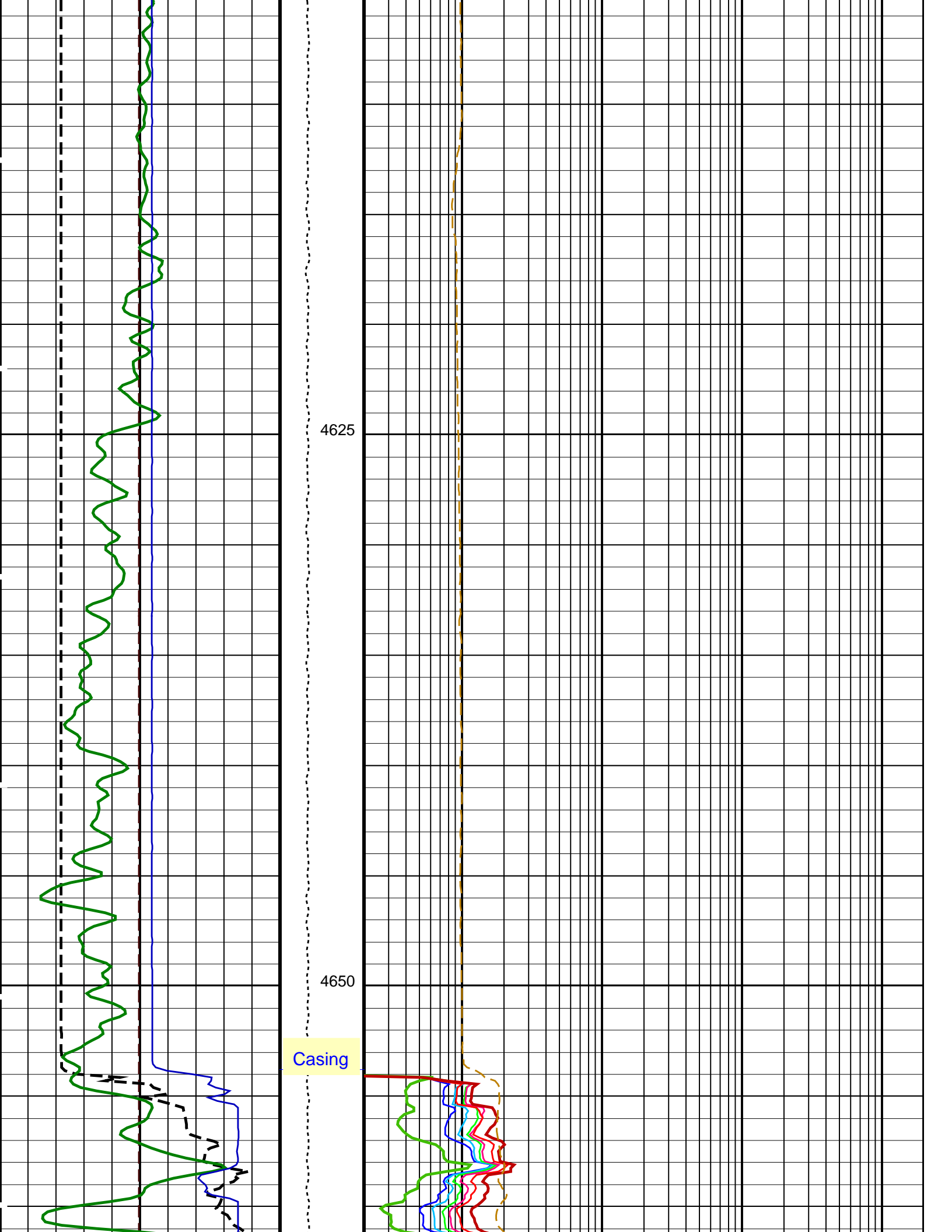
4450

4475





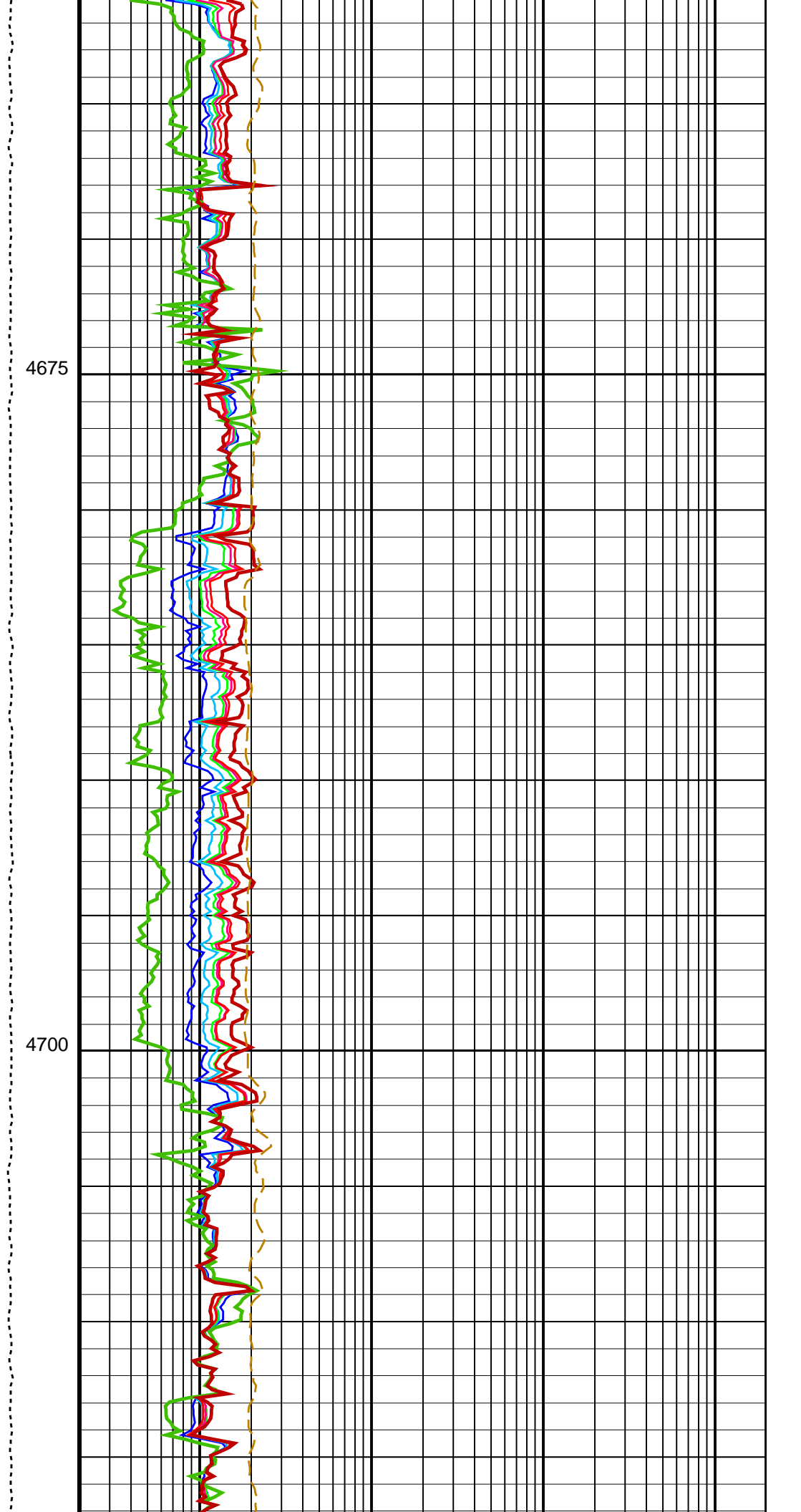
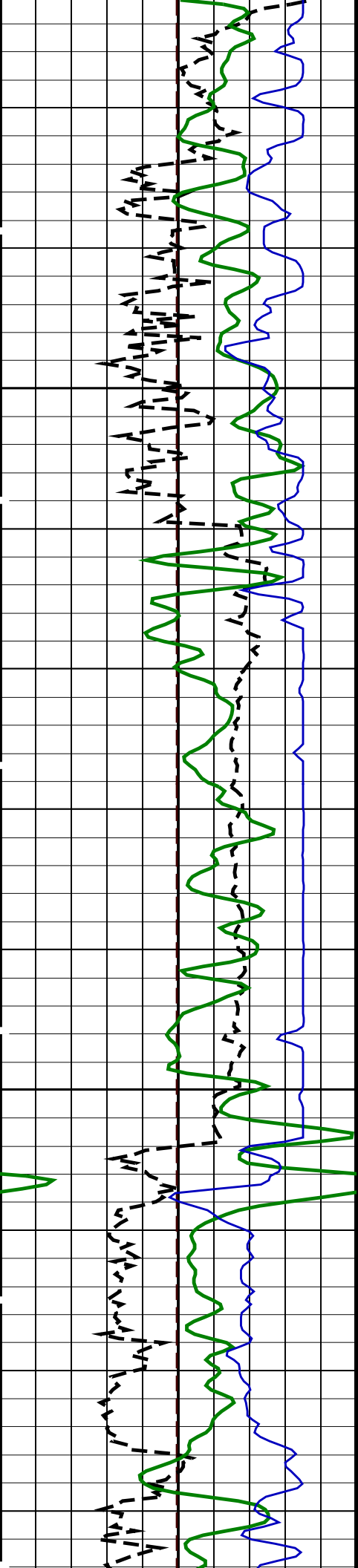


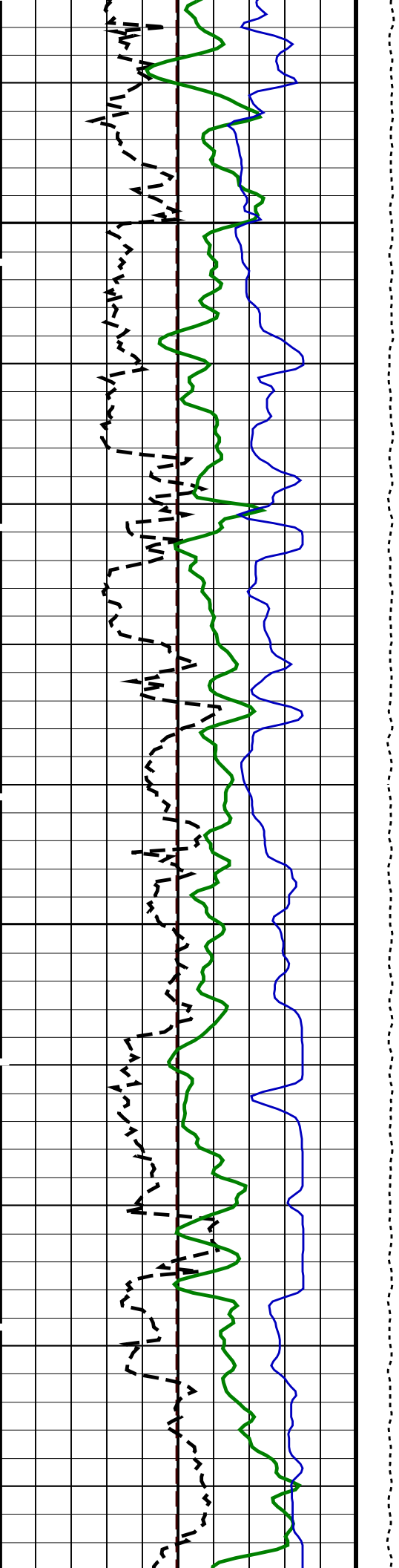


4625

4650

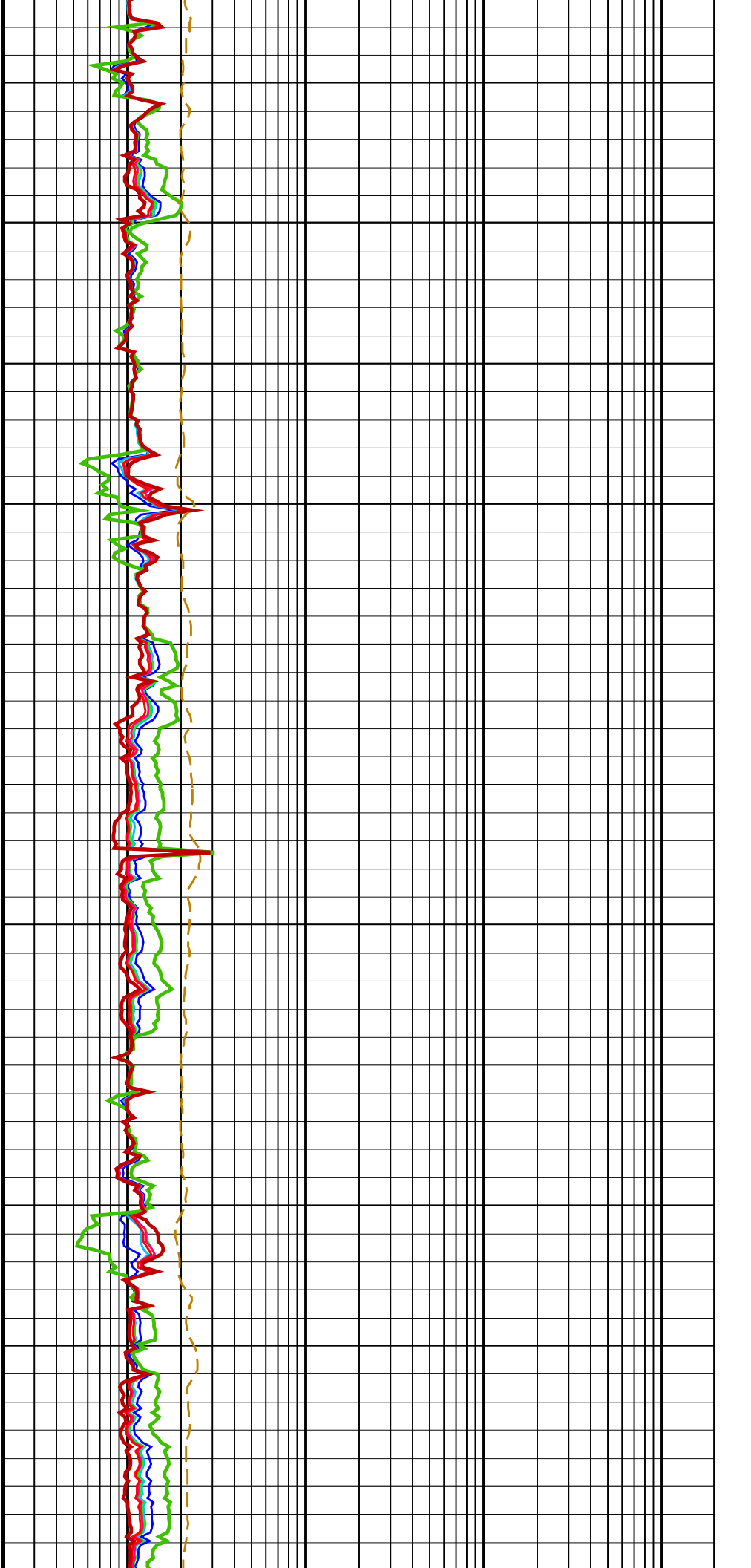
Casing

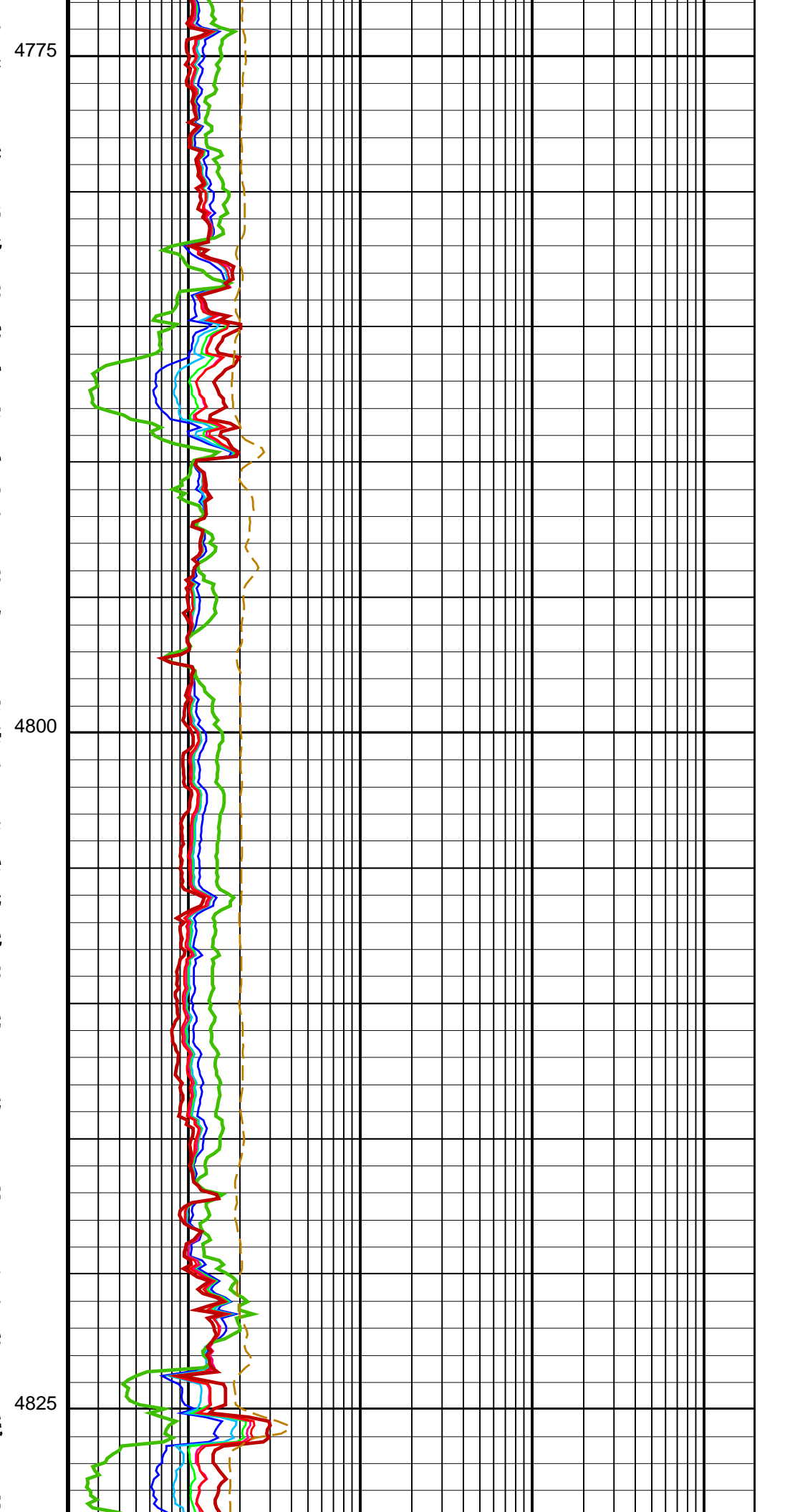
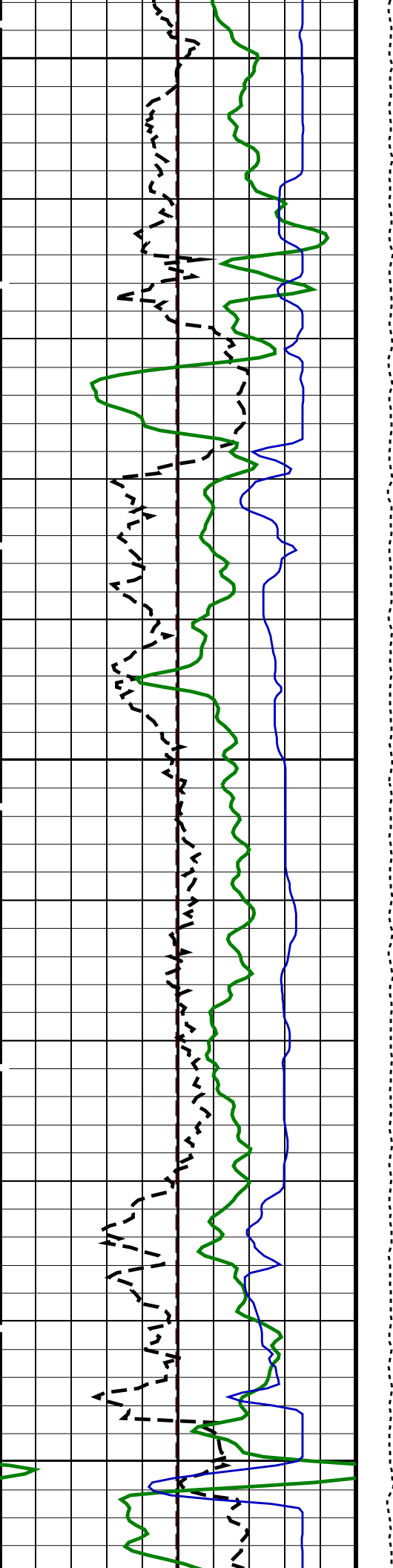


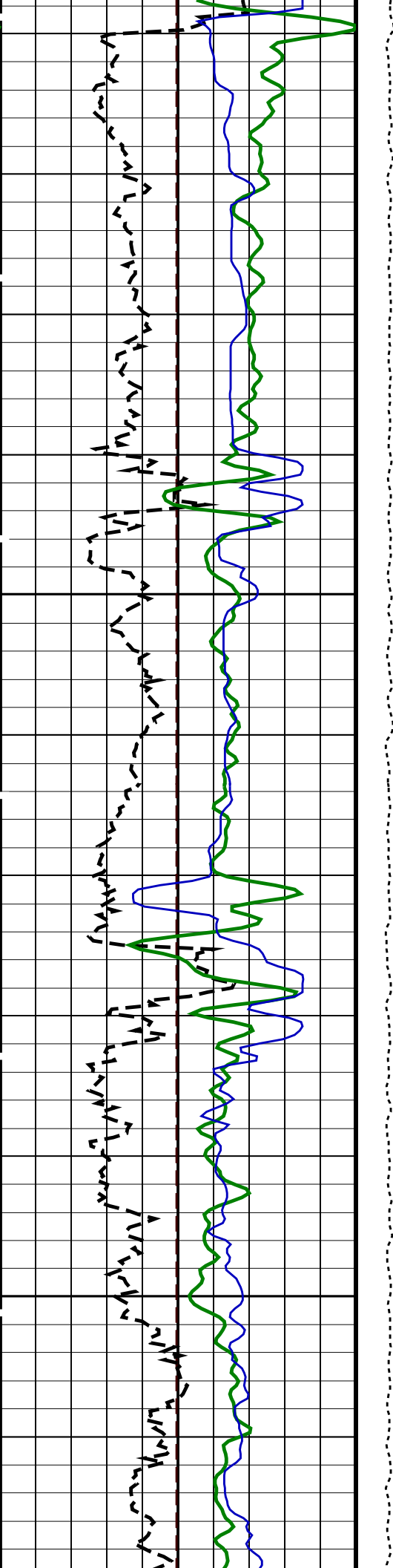


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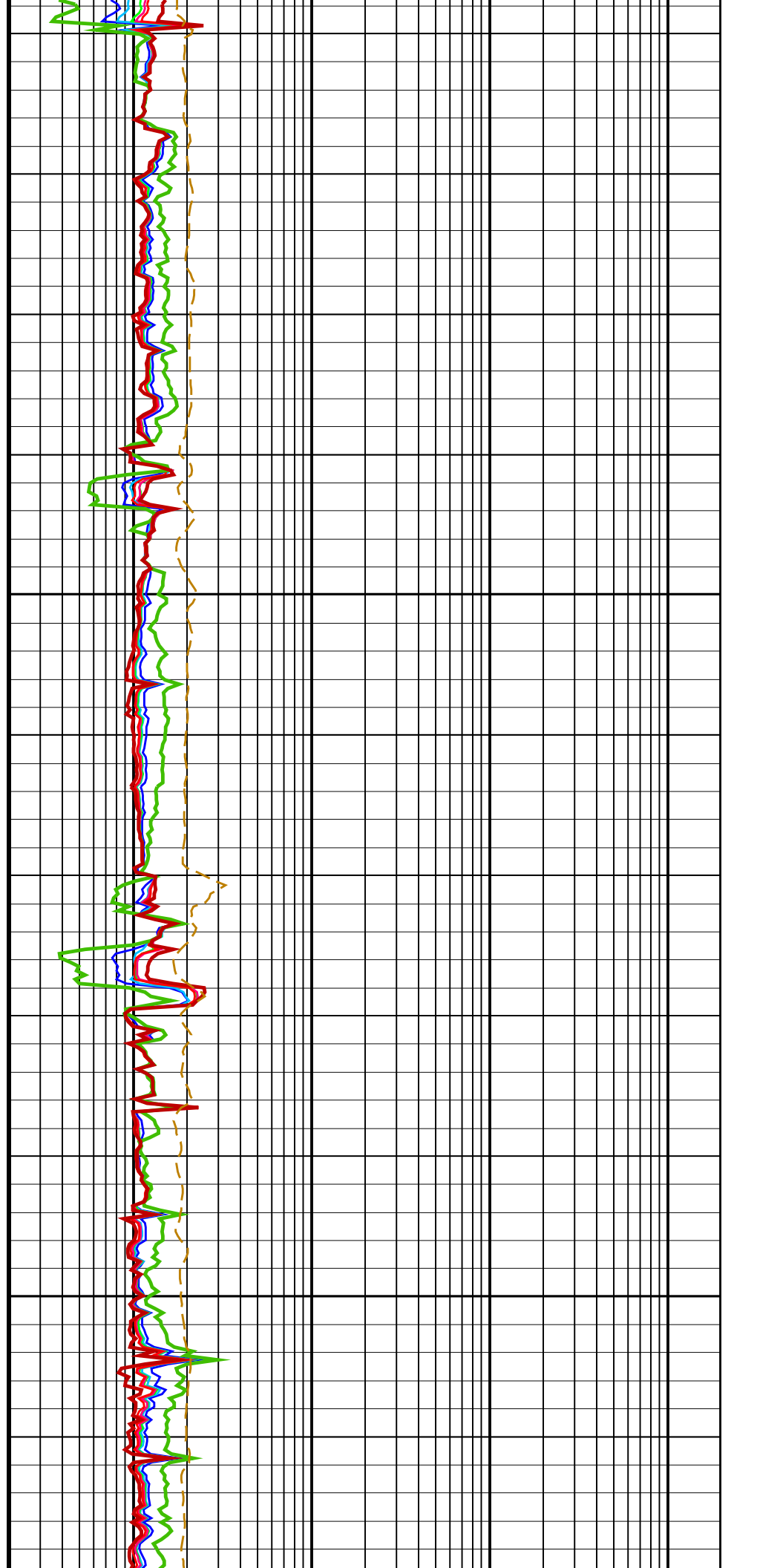


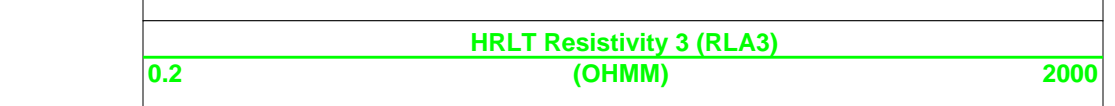
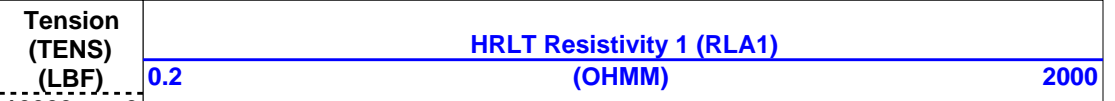
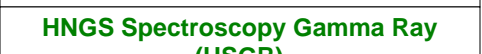
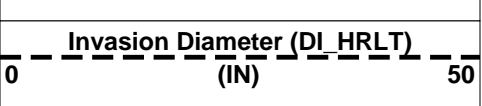
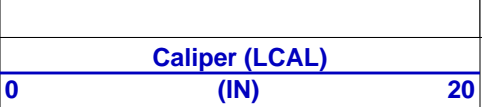
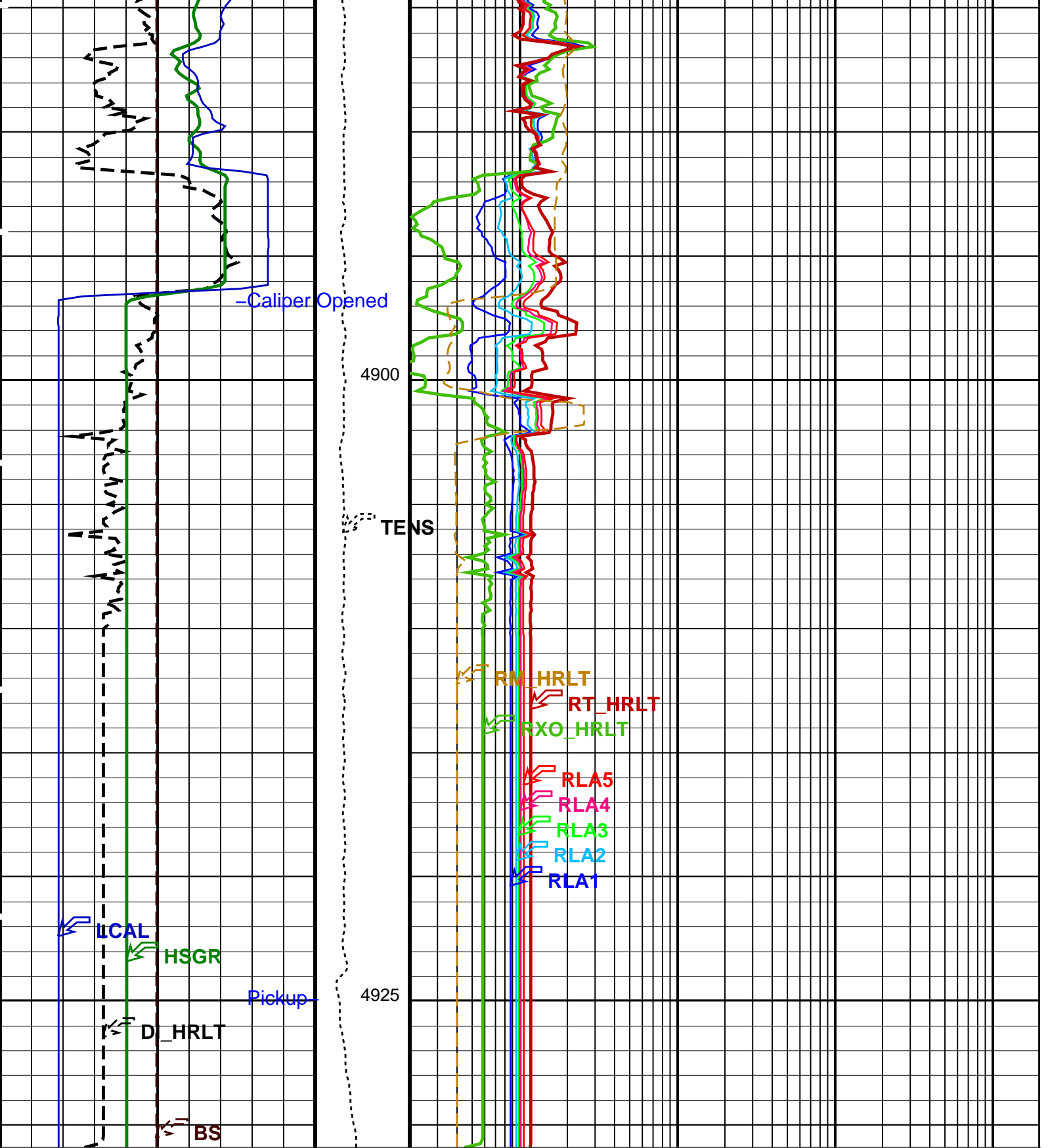




4850

4875





0	(HSGR) (GAPI)	100
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0.2	(OHMM)	2000
HRLT Resistivity 5 (RLA5)		
0.2	(OHMM)	2000
HRLT Mud Resistivity (RM_HRLT)		
0.02	(OHMM)	200
Invaded Zone Resistivity (RXO_HRLT)		
0.2	(OHMM)	2000
HRLT True Resistivity (RT_HRLT)		
0.2	(OHMM)	2000

Main Ulog

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager - B			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	21	DEGC
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	20	DEGC
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	21	DEGC
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
KFAC_HRLT	HRLT K Factor Option	SONDE	
PROCINV	Inversion Selection	ON	
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMSO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	Sonde Position	Centered	
SHT	Surface Hole Temperature	20	DEGC
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	
BHT	Bottom Hole Temperature (used in calculations)	21	DEGC
CSD1	Inner Casing Outer Diameter	10.75	IN
CSD2	Outer Casing Outer Diameter	10.75	IN
CSW1	Inner Casing Weight	45	LB/F
CSW2	Outer Casing Weight	45	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00192069	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	20	DEGC
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.992004	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.990962	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	21	DEGC
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	20	DEGC

SHI	Surface Hole Temperature	20	DEGC
BS	System and Miscellaneous		
DFD	Bit Size	9.875	IN
DO	Drilling Fluid Density	1.32	G/C3
PP	Depth Offset for Playback	0.0	M
TD	Playback Processing	RECOMPUTE	
	Total Depth	5345	M

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 06-Apr-2017 20:24

OP System Version: 19C0-187

DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_030LUP	FN:35	PRODUCER	06-Apr-2017 18:03	4930.9 M	3798.9 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_038PUP	FN:51	PRODUCER	06-Apr-2017 20:24		
BACKUP	DSI_HRLA_LDL_NGS_038PUP	FN:52	PRODUCER	06-Apr-2017 20:24		

Company: International Ocean Discovery Program Well: Expedition 367, Site U1500B

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_028LUP	FN:33	PRODUCER	06-Apr-2017 17:40	4944.6 M	4787.6 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_037PUP	FN:49	PRODUCER	06-Apr-2017 20:22	4944.6 M	4787.6 M
BACKUP	DSI_HRLA_LDL_NGS_037PUP	FN:50	PRODUCER	06-Apr-2017 20:22	4944.6 M	4787.6 M

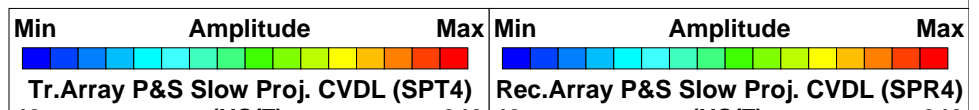
OP System Version: 19C0-187

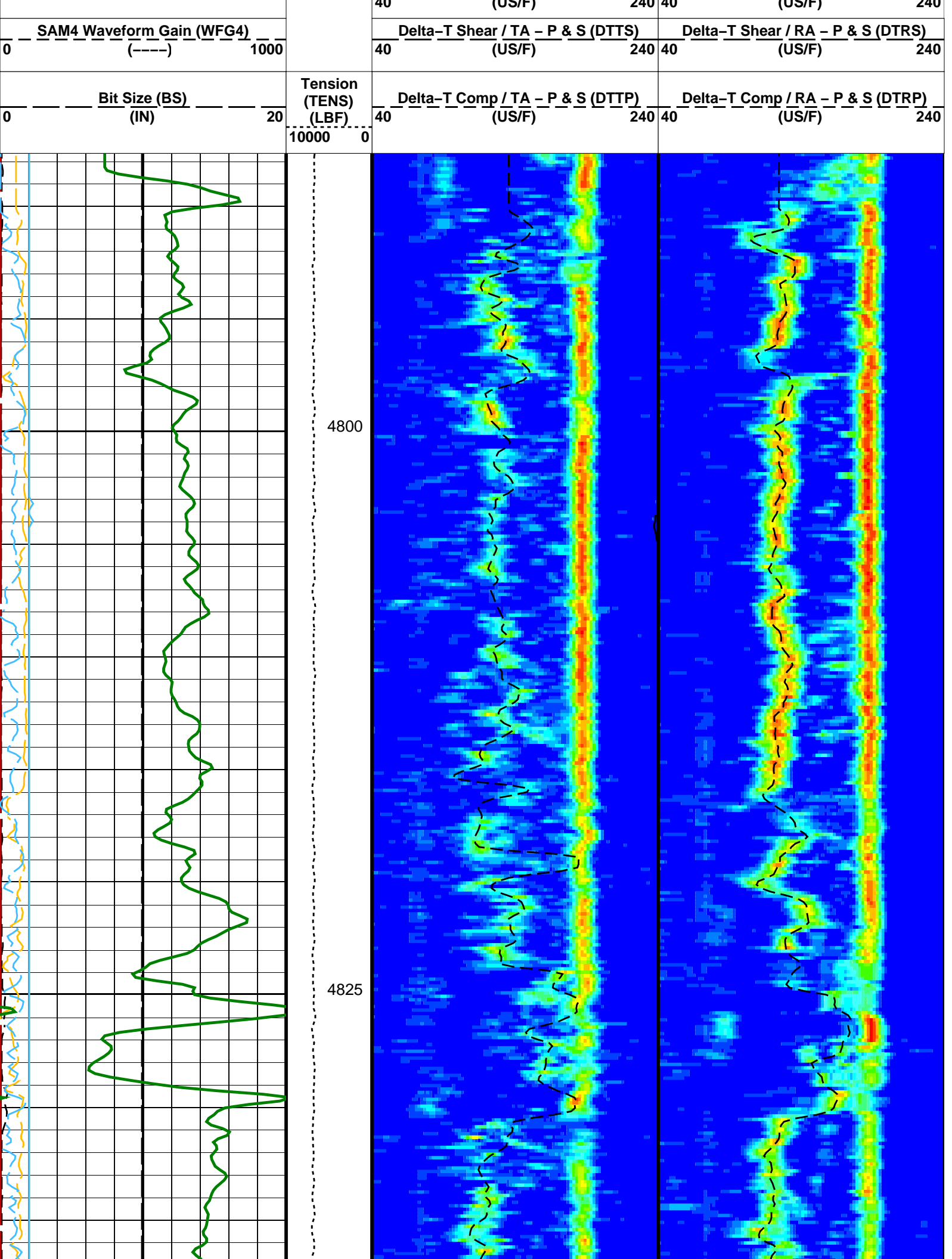
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HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

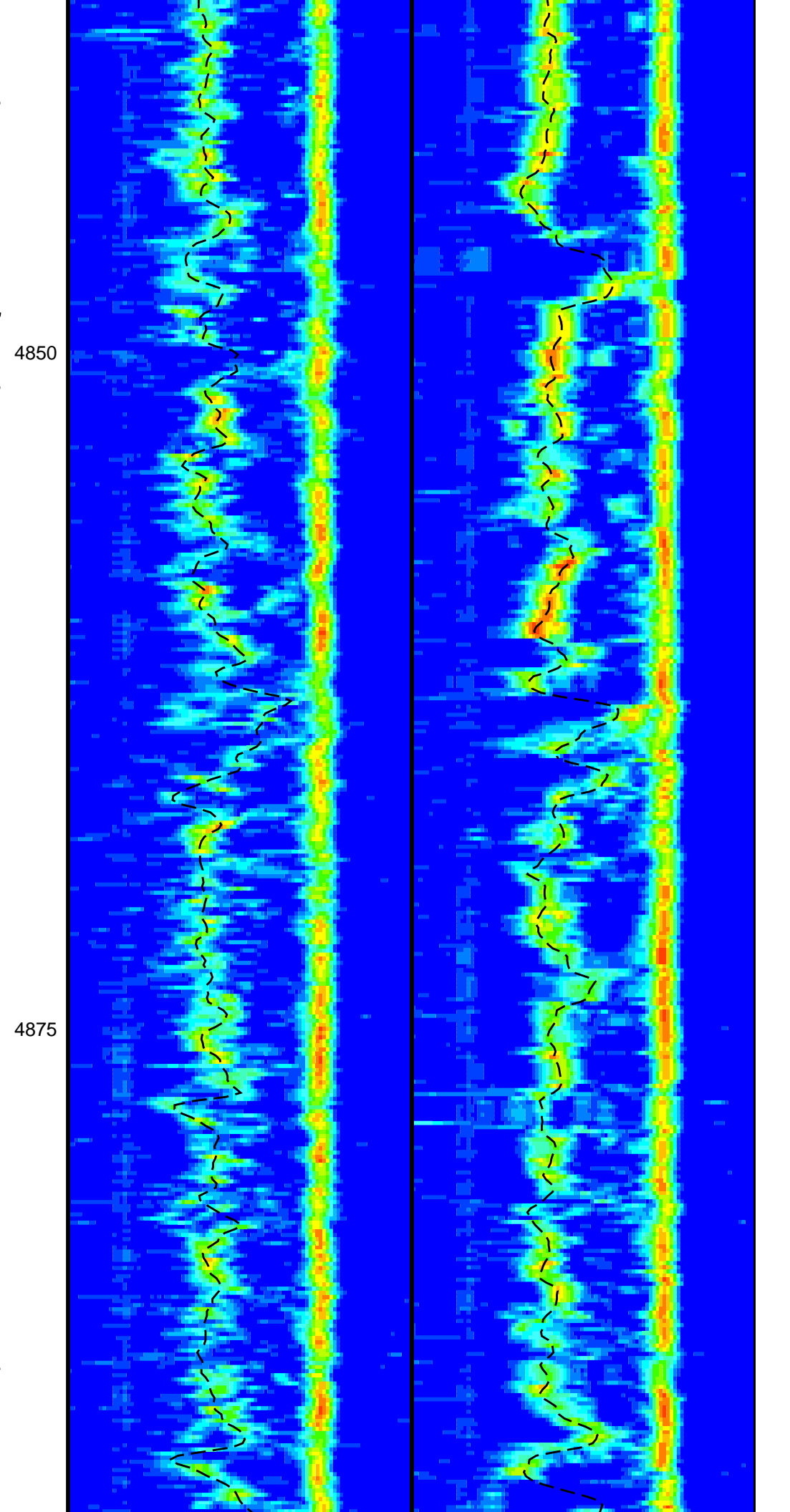
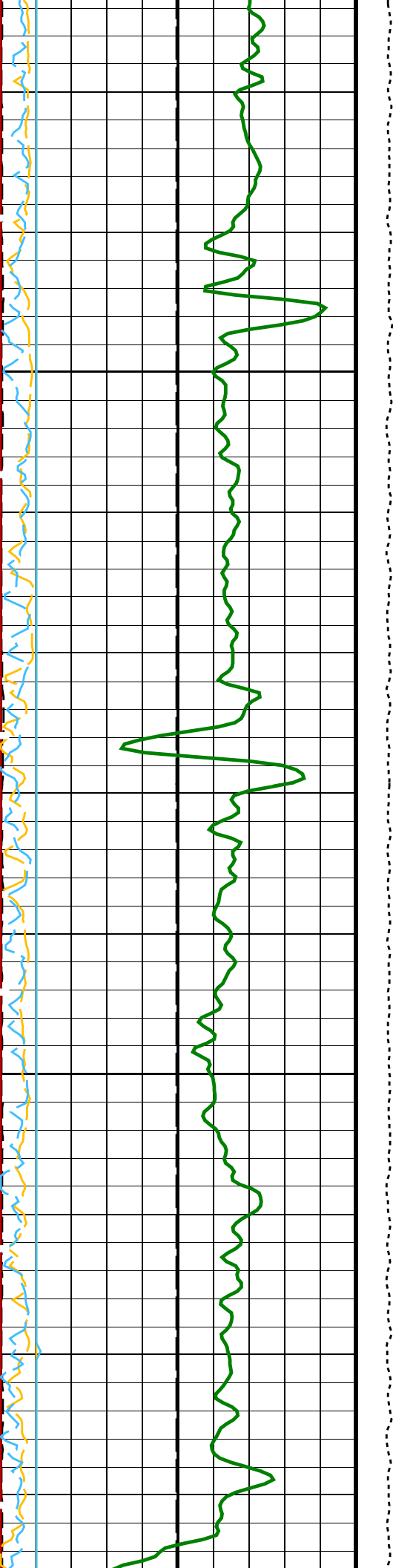
PIP SUMMARY

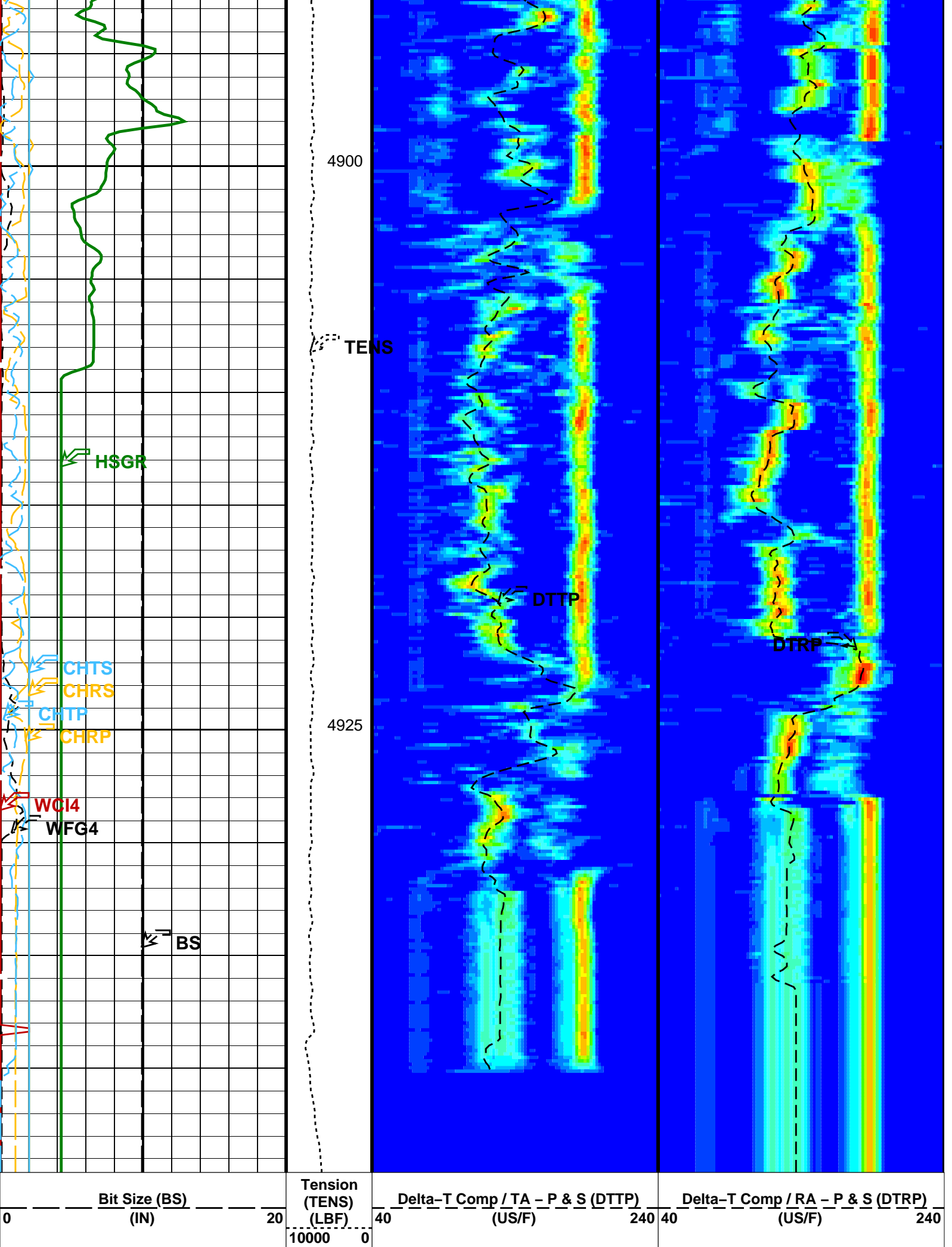
Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - P & S Shear (CHTS)		
-1	(----)	9
Peak Coherence / RA - P & S Shear (CHRS)		
-1	(----)	9
Peak Coherence / TA - P & S Comp (CHTP)		
0	(----)	10
Peak Coherence / RA - P & S Comp (CHRP)		
0	(----)	10
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)		
0	(----)	10









SAM4 Waveform Gain (WFG4)		
0	(-----)	1000
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4)		
0	(-----)	10
Peak Coherence / RA – P & S Comp (CHRP)		
0	(-----)	10
Peak Coherence / TA – P & S Comp (CHTP)		
0	(-----)	10
Peak Coherence / RA – P & S Shear (CHRS)		
-1	(-----)	9
Peak Coherence / TA – P & S Shear (CHTS)		
-1	(-----)	9
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100

Delta-T Shear / TA – P & S (DTTS)			Delta-T Shear / RA – P & S (DTRS)		
40	(US/F)	240	40	(US/F)	240
Min	Amplitude	Max	Min	Amplitude	Max
Tr.Array P&S Slow Proj. CVDL (SPT4)			Rec.Array P&S Slow Proj. CVDL (SPR4)		
40	(US/F)	240	40	(US/F)	240

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager – B		
BHS	Borehole Status	OPEN
CASF	Label Casing Function – Monopole P&S	50
COLL	Label Slowness Lower Limit – Monopole P&S Compressional	95 US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	185 US/F
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DSI4	Digitizer Sample Interval 4	10 US
DSIX	Digitizer Sample Interval X	40 US
DTF	Delta-T Fluid	193 US/F
DWC4	Digitizer Word Count 4	512
DWCX	Digitizer Word Count X	512
FILG	Label Fill Gap Control – Monopole P&S	COMP_SHEAR
GCSE	Generalized Caliper Selection	LCAL
LFC	Label Formation Character – Monopole P&S	DYNAMIC
MCS	Mean Casing Slowness	57 US/F
MTXG	Monopole Transmitter Geometry	186 IN
NWI4	Number Waveform Items 4	8
NWIX	Number Waveform Items X	0
RSMN	Label Shear/Compressional Minimum Ratio – Monopole P&S	1.4
RSMX	Label Shear/Compressional Maximum Ratio – Monopole P&S	2.12
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM4	DSST Sonic Acquisition Mode 4 – Monopole Mode for P&S	EVEN
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF
SAS4	STC Sonic Array Status – Monopole P&S	255
SBO4	STC Search Band Offset – Monopole P&S	500 US
SBR4	STC Baseline Removal – Monopole P&S	ON
SBW4	STC Search Bandwidth – Monopole P&S	2000 US
SFC4	STC Formation Character – Monopole P&S	SELECTABLE
SFM4	STC Filter – Monopole P&S	B3-20K
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	235 US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	240 US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40 US/F
SST4	STC Slowness Step – Monopole P&S	2 US/F
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4
STL1	Label Slowness Lower Limit – Monopole P&S	193 US/F

STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST4	STC Time Step – Monopole P&S	50	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
WFM4	Waveform Mode 4	W1	
HRLT–B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
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	10.75	IN
CSD2	Outer Casing Outer Diameter	10.75	IN
CSW1	Inner Casing Weight	45	LB/F
CSW2	Outer Casing Weight	45	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00457966	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.974397	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.991452	
EDTC–B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.32	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_RC_TR_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06–Apr–2017 20:22

OP System Version: 19C0–187

DSST–B	19C0–187	HRLT–B	19C0–187
HLDS	19C0–187	LDSC–B	19C0–187
HNGC–B	19C0–187	HNGS–BA	19C0–187
EDTC–B	SKK–5169–EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_028LUP	FN:33	PRODUCER	06–Apr–2017 17:40	4944.6 M	4787.6 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_037PUP	FN:49	PRODUCER	06–Apr–2017 20:22		
BACKUP	DSI_HRLA_LDL_NGS_037PUP	FN:50	PRODUCER	06–Apr–2017 20:22		

Company: International Ocean Discovery Program

Well: Expedition 367, Site U1500B

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_028LUP	FN:33	PRODUCER	06–Apr–2017 17:40	4944.6 M	4787.6 M
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Output DLIS Files



DEFAULT	DSI_HRLA_LDL_NGS_037PUP	FN:49	PRODUCER	06–Apr–2017 20:22	4944.6 M	4787.6 M
BACKUP	DSI_HRLA_LDL_NGS_037PUP	FN:50	PRODUCER	06–Apr–2017 20:22	4944.6 M	4787.6 M

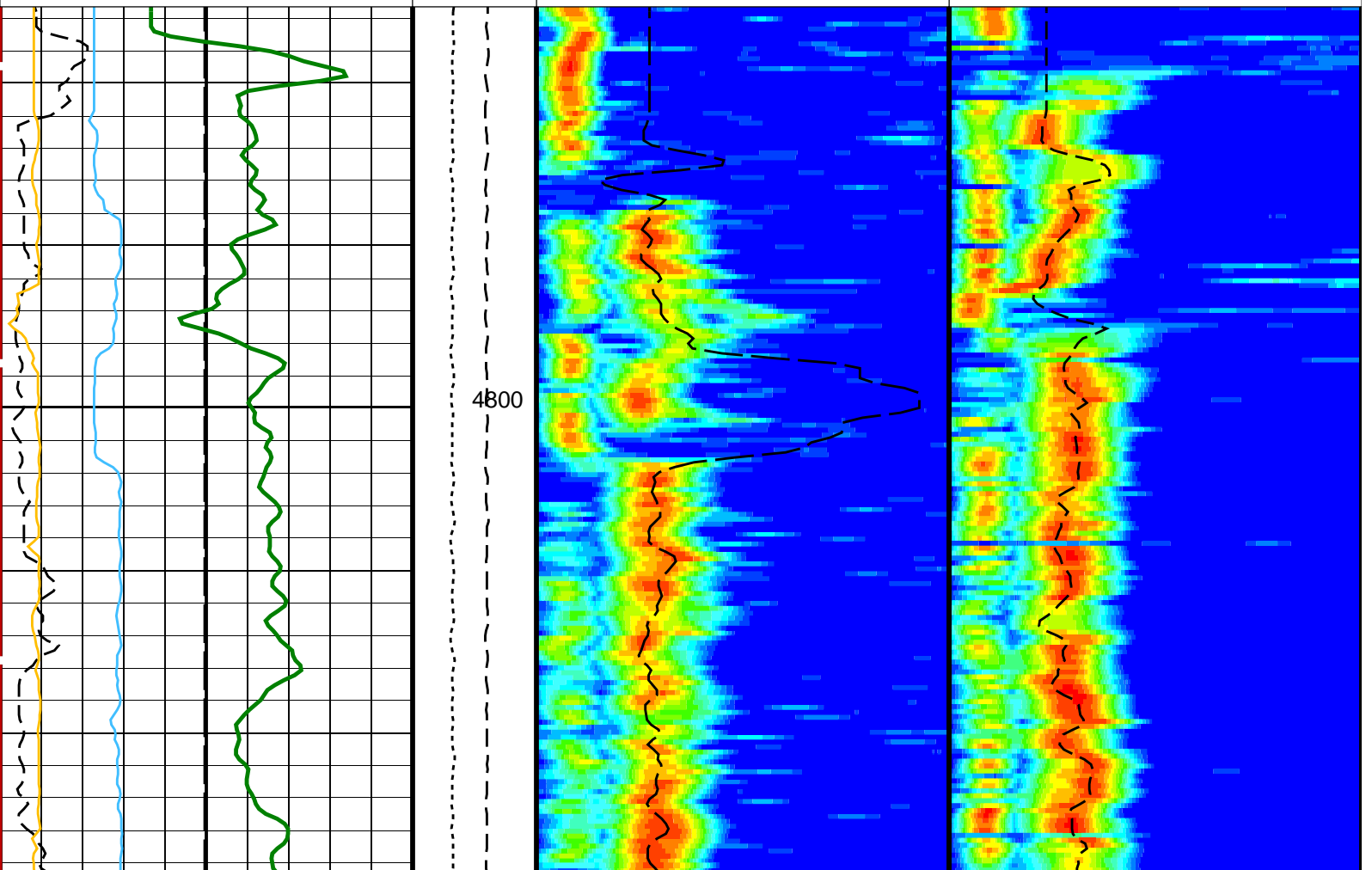
OP System Version: 19C0-187

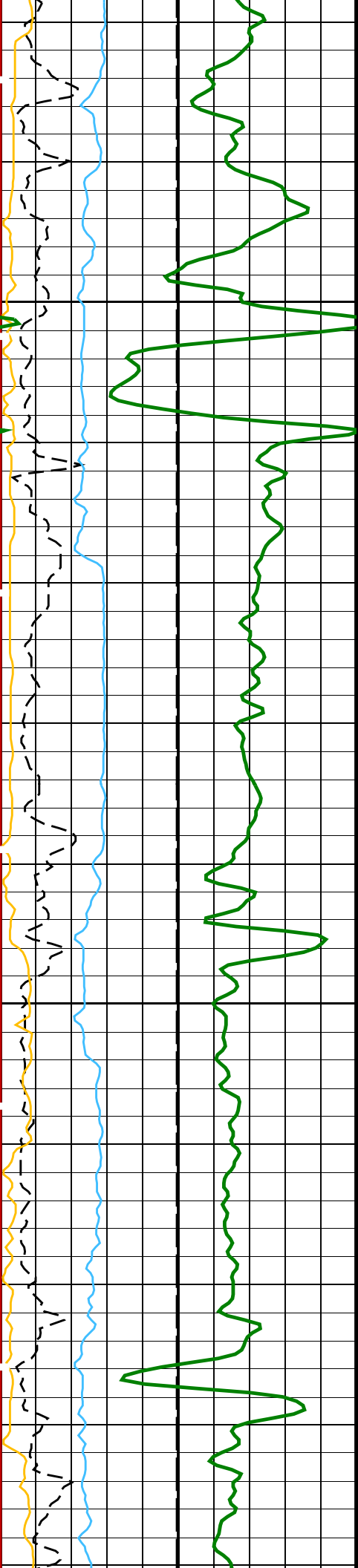
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HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

Time Mark Every 60 S

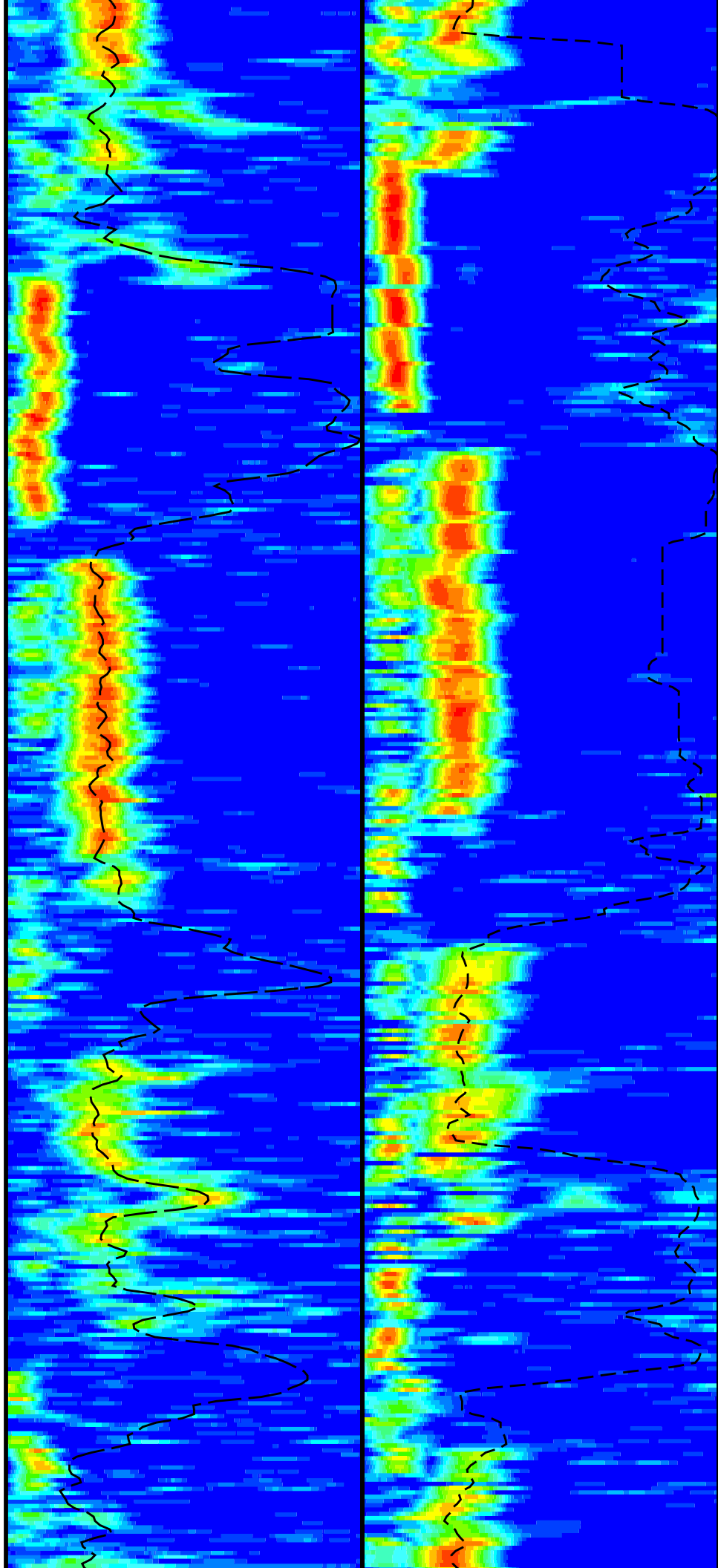
<p style="color: green; font-weight: bold;">HNGS Spectroscopy Gamma Ray (HSGR)</p> <p style="color: green;">0 (GAPI) 100</p> <hr style="border: 1px solid green;"/> <p style="color: blue; font-weight: bold;">Peak Coherence / TA – Upper Dipole (CHT2)</p> <p style="color: blue;">-2 (----) 8</p> <hr style="border: 1px solid blue;"/> <p style="color: orange; font-weight: bold;">Peak Coherence / RA – Upper Dipole (CHR2)</p> <p style="color: orange;">0 (----) 10</p> <hr style="border: 1px solid orange;"/> <p style="color: red; font-weight: bold;">Waveform Data Copy Indicator 2 – Upper Dipole (WC12)</p> <p style="color: red;">0 (----) 10</p>	<p style="font-weight: bold;">Calibrated Downhole Force (CDF) (LBF)</p> <p>0 5000 1000</p>	<p style="text-align: center;">Min Amplitude Max</p>  <p style="text-align: center;">Tr.Array U.Dipole Slow Proj. CVDL (SPT2) (US/F)</p> <p>40 1040</p>	<p style="text-align: center;">Min Amplitude Max</p>  <p style="text-align: center;">Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)</p> <p>40 1040</p>
<p style="font-weight: bold;">Bit Size (BS) (IN)</p> <p>0 20</p>	<p style="font-weight: bold;">Tension (TENS) (LBF)</p> <p>10000 0</p>	<p style="text-align: center;">Delta-T Shear / TA – Upper Dipole (DT2T) (US/F)</p> <p>40 1040</p>	<p style="text-align: center;">Delta-T Shear / RA – Upper Dipole (DT2R) (US/F)</p> <p>40 1040</p>

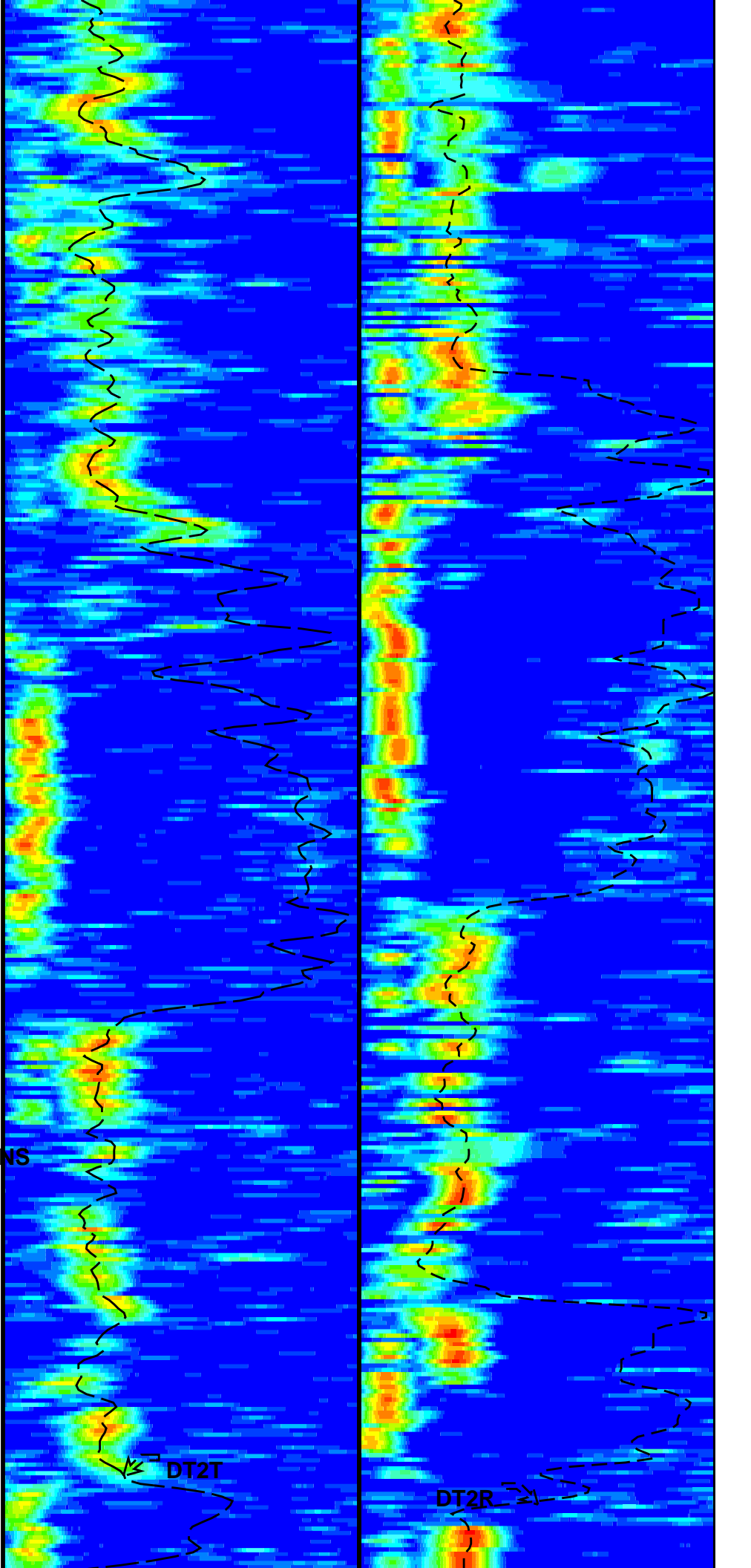
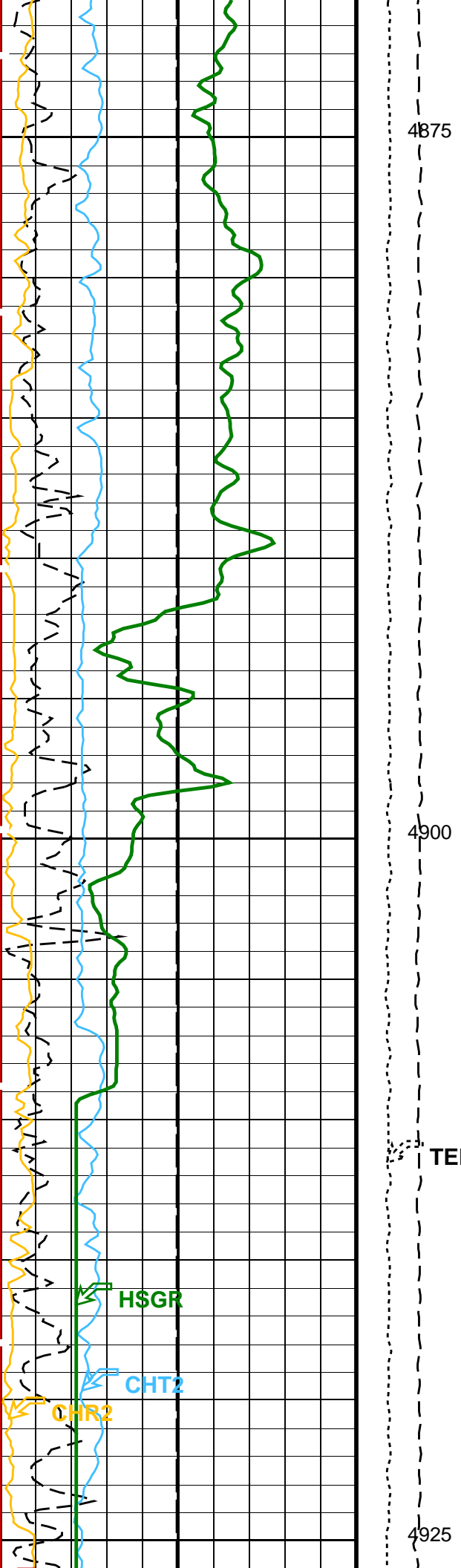


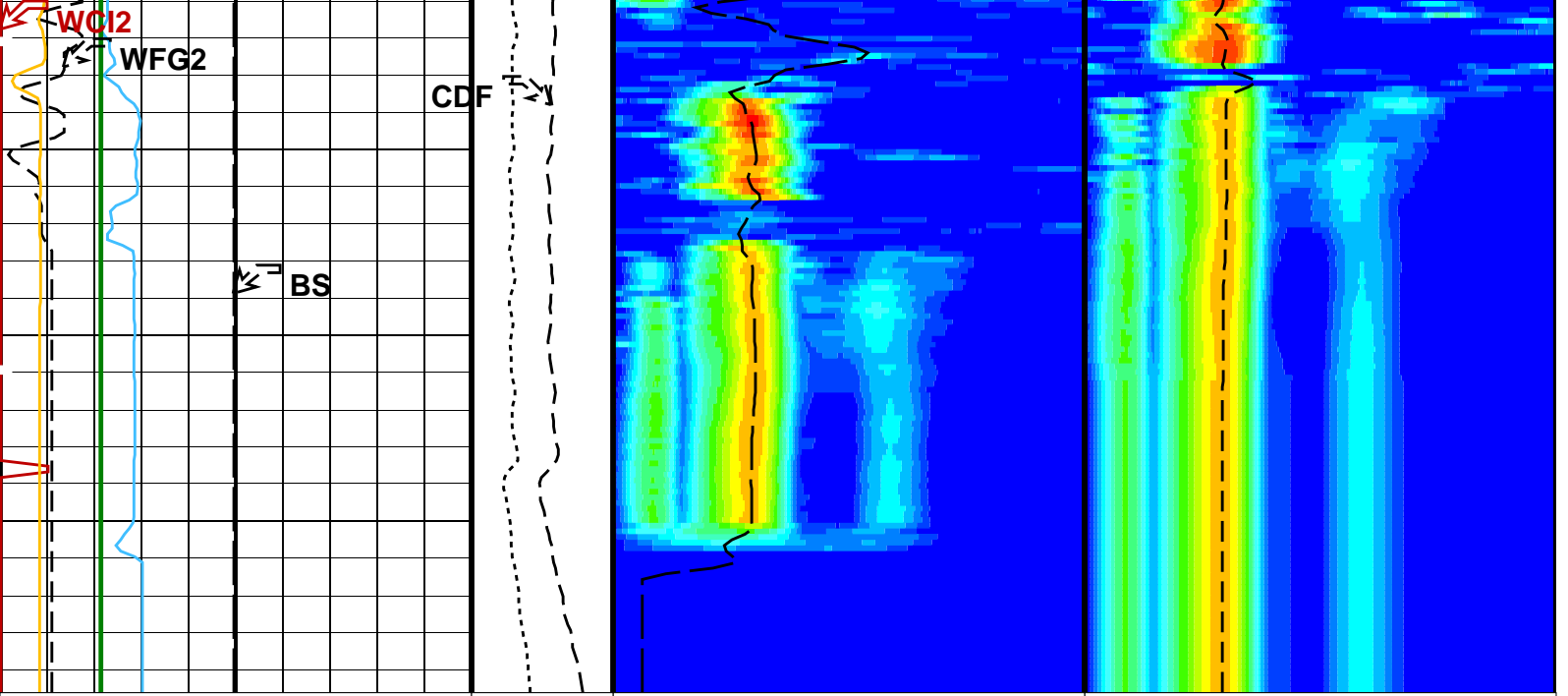


4825

4850







Bit Size (BS) (IN) 0 20	Tension (TENS) (LBF) 10000 0	Delta-T Shear / TA - Upper Dipole (DT2T) (US/F) 40 1040	Delta-T Shear / RA - Upper Dipole (DT2R) (US/F) 40 1040
SAM2 Waveform Gain (WFG2) (----) 0 1000	Calibrated Downhole Force (CDF) (LBF) 5000 0	Tr.Array U.Dipole Slow Proj. CVDL (SPT2) (US/F) 40 1040	Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F) 40 1040
Waveform Data Copy Indicator 2 - Upper Dipole (WC12) (----) 0 10			
Peak Coherence / RA - Upper Dipole (CHR2) (----) 0 10			
Peak Coherence / TA - Upper Dipole (CHT2) (----) -2 8			
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 100			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
DDE2	Digitizing Delay 2	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1040 US/F
DSI2	Digitizer Sample Interval 2	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC2	Digitizer Word Count 2	512
WCX	Digitizer Word Count X	512
GCSE	Generalized Caliper Selection	LCAL
NWI2	Number Waveform Items 2	8
NWIX	Number Waveform Items X	0
RY12	Region 1 Count 2	0

RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status – Upper Dipole	255	
SBO2	STC Search Band Offset – Upper Dipole	3000	US
SBW2	STC Search Bandwidth – Upper Dipole	8000	US
SFC2	STC Formation Character – Upper Dipole	SELECTABLE	
SFM2	STC Filter – Upper Dipole	B1–2K	
SLL2	STC Slowness Lower Limit – Upper Dipole	40	US/F
SST2	STC Slowness Step – Upper Dipole	4	US/F
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit – Upper Dipole	1040	US/F
SWD2	STC Slowness Width – Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill – Upper Dipole	0	US
TLL2	STC Time Lower Limit – Upper Dipole	600	US
TST2	STC Time Step – Upper Dipole	200	US
TUL2	STC Time Upper Limit – Upper Dipole	18440	US
TWD2	STC Time Width – Upper Dipole	2000	US
TWI2	STC Integration Time Window – Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFM2	Waveform Mode 2	W1	
HRLT–B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
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	10.75	IN
CSD2	Outer Casing Outer Diameter	10.75	IN
CSW1	Inner Casing Weight	45	LB/F
CSW2	Outer Casing Weight	45	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00457966	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.974397	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.991452	
EDTC–B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.32	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_UPPER_DIPOLE_RC_TR_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06–Apr–2017 20:22

OP System Version: 19C0–187

DSST–B	19C0–187	HRLT–B	19C0–187
HLDS	19C0–187	LDSC–B	19C0–187
HNGC–B	19C0–187	HNGS–BA	19C0–187
EDTC–B	SKK–5169–EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_028LUP	FN:33	PRODUCER	06–Apr–2017 17:40	4944.6 M	4787.6 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_028LUP	FN:40	PRODUCER	06–Apr–2017 20:22		
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Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_028LUP	FN:33	PRODUCER	06-Apr-2017 17:40	4944.6 M	4787.6 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_037PUP	FN:49	PRODUCER	06-Apr-2017 20:22	4944.6 M	4787.6 M
BACKUP	DSI_HRLA_LDL_NGS_037PUP	FN:50	PRODUCER	06-Apr-2017 20:22	4944.6 M	4787.6 M

OP System Version: 19C0-187

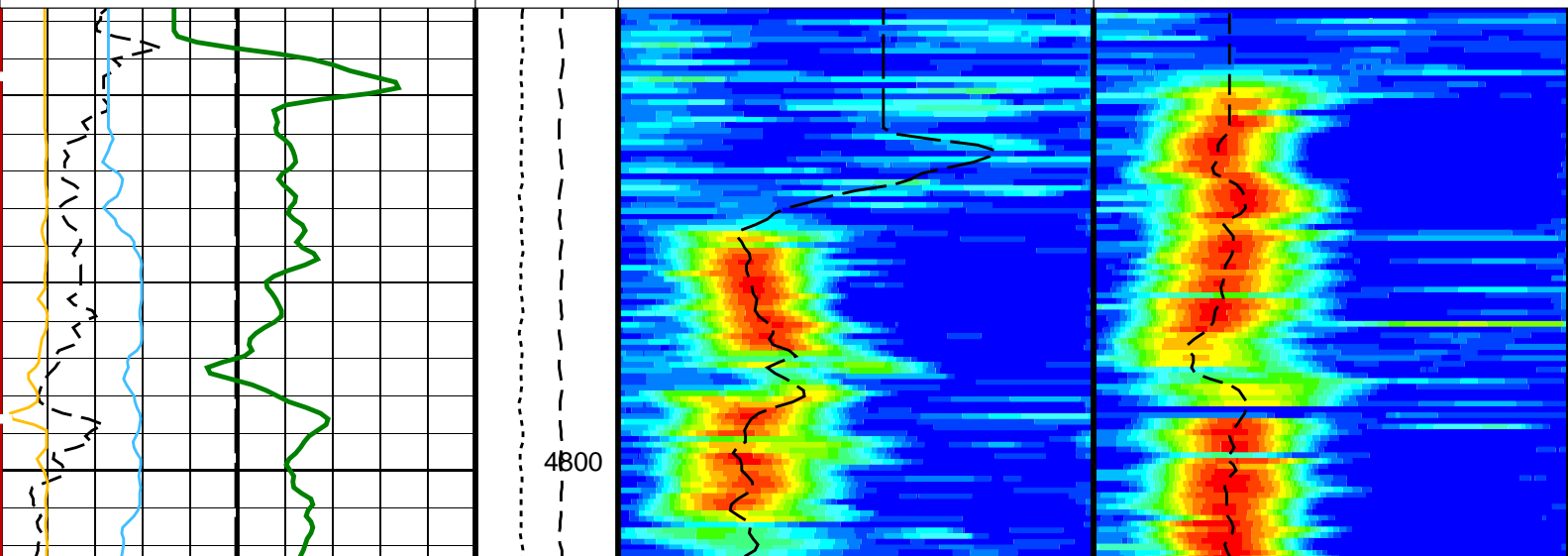
DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

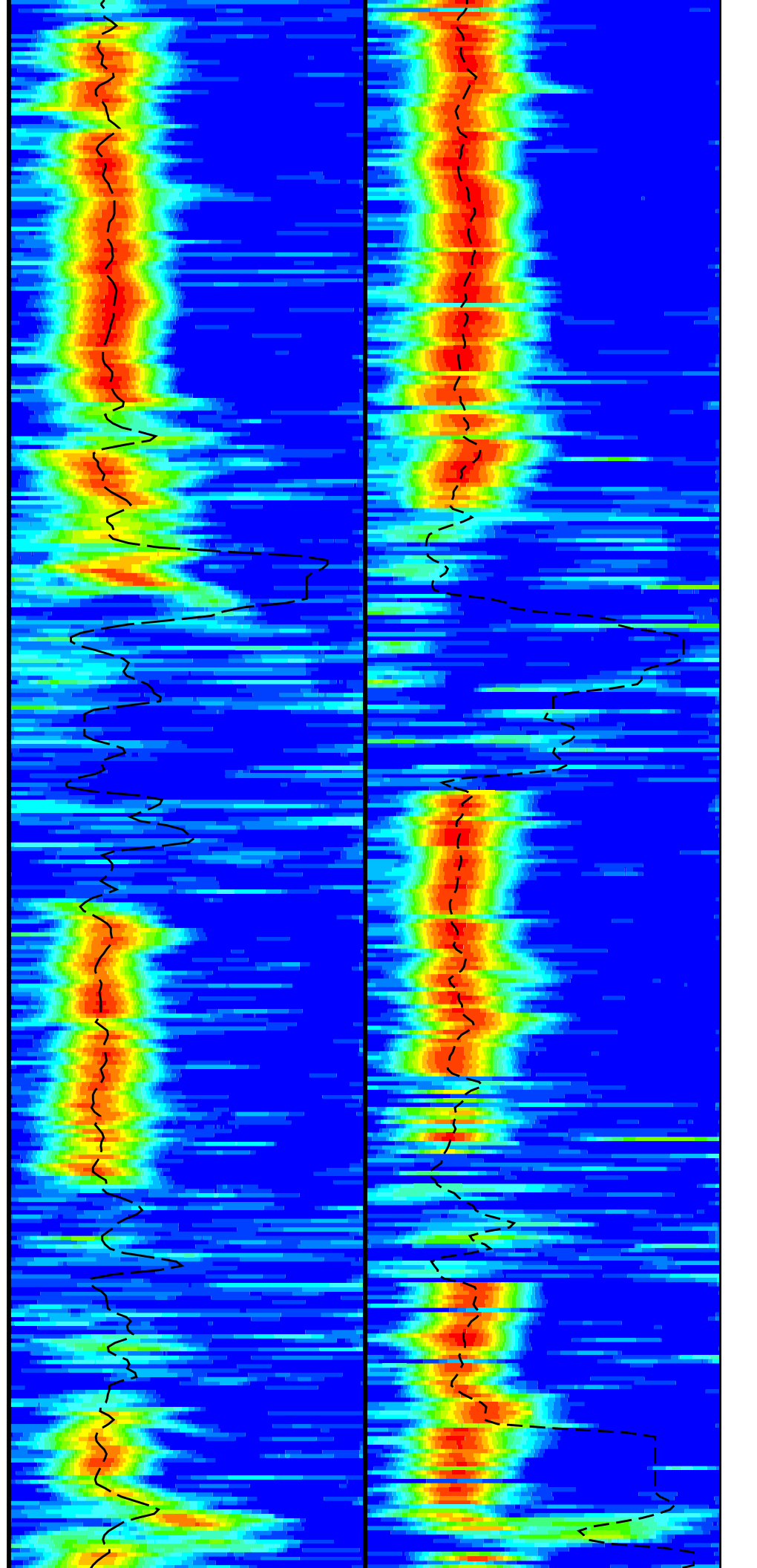
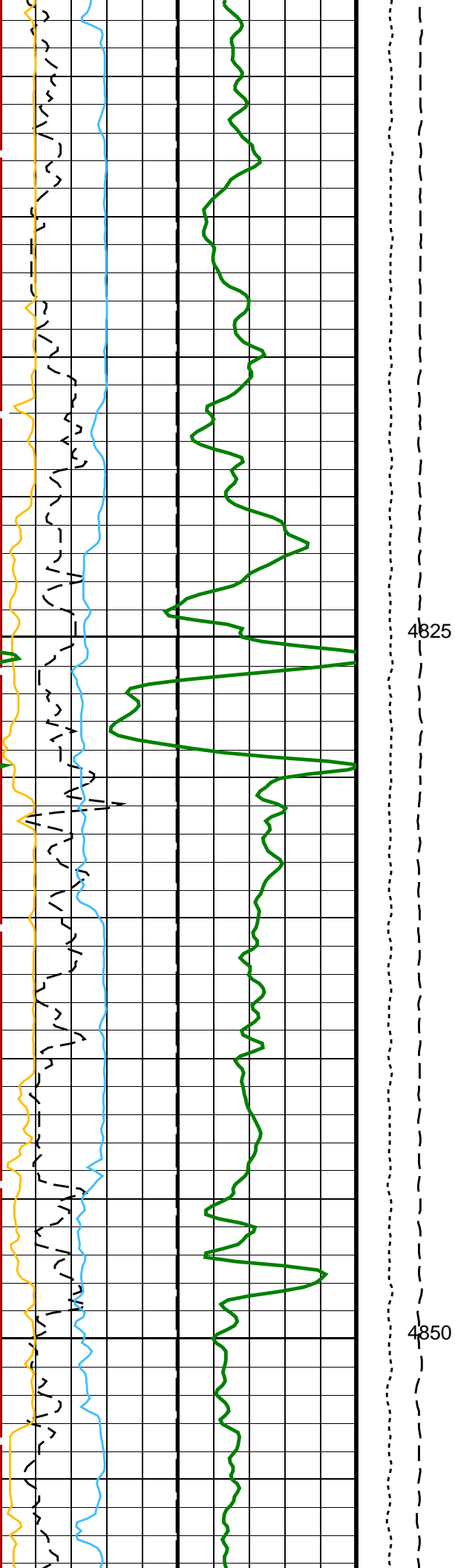
PIP SUMMARY

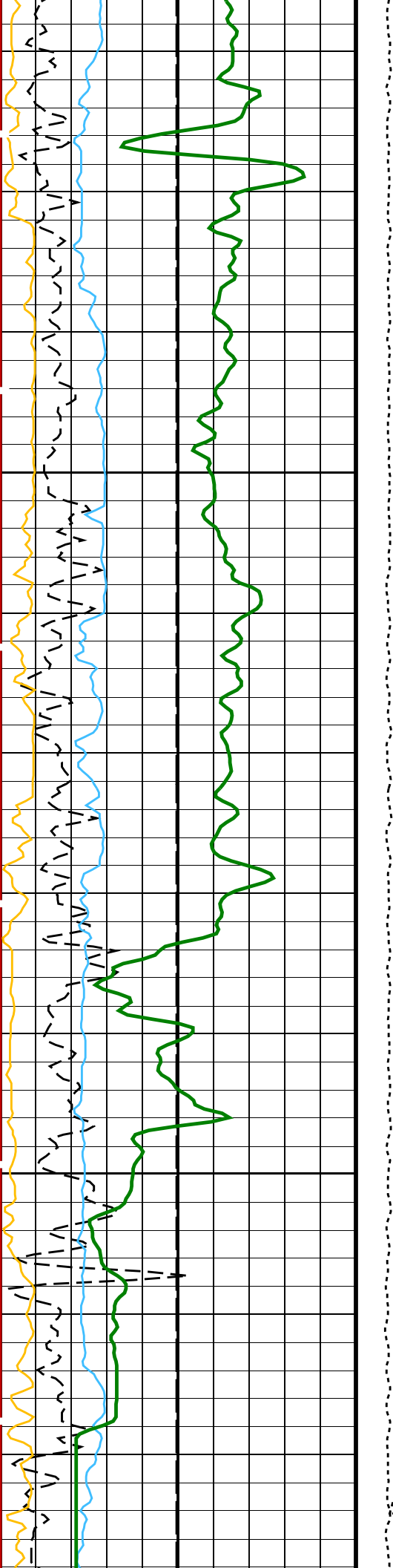
Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)			
0 (GAPI) 100			
Peak Coherence / TA - Lower Dipole (CHT1)			
-2 (----) 8			
Peak Coherence / RA - Lower Dipole (CHR1)			
0 (----) 10			
Waveform Data Copy Indicator 1 - Lower Dipole (WC1)			
0 (----) 10			

SAM1 Waveform Gain (WFG1)	Calibrated Downhole Force (CDF) (LBF)	Tr.Array L.Dipole Slow Proj. CVDL (SPT1) (US/F)	Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)
0 (----) 1000	5000 0	40 1040	40 1040
Bit Size (BS) (IN)	Tension (TENS) (LBF)	Delta-T Shear / TA - Lower Dipole (DT1T) (US/F)	Delta-T Shear / RA - Lower Dipole (DT1R) (US/F)
0 20	10000 0	40 1040	40 1040



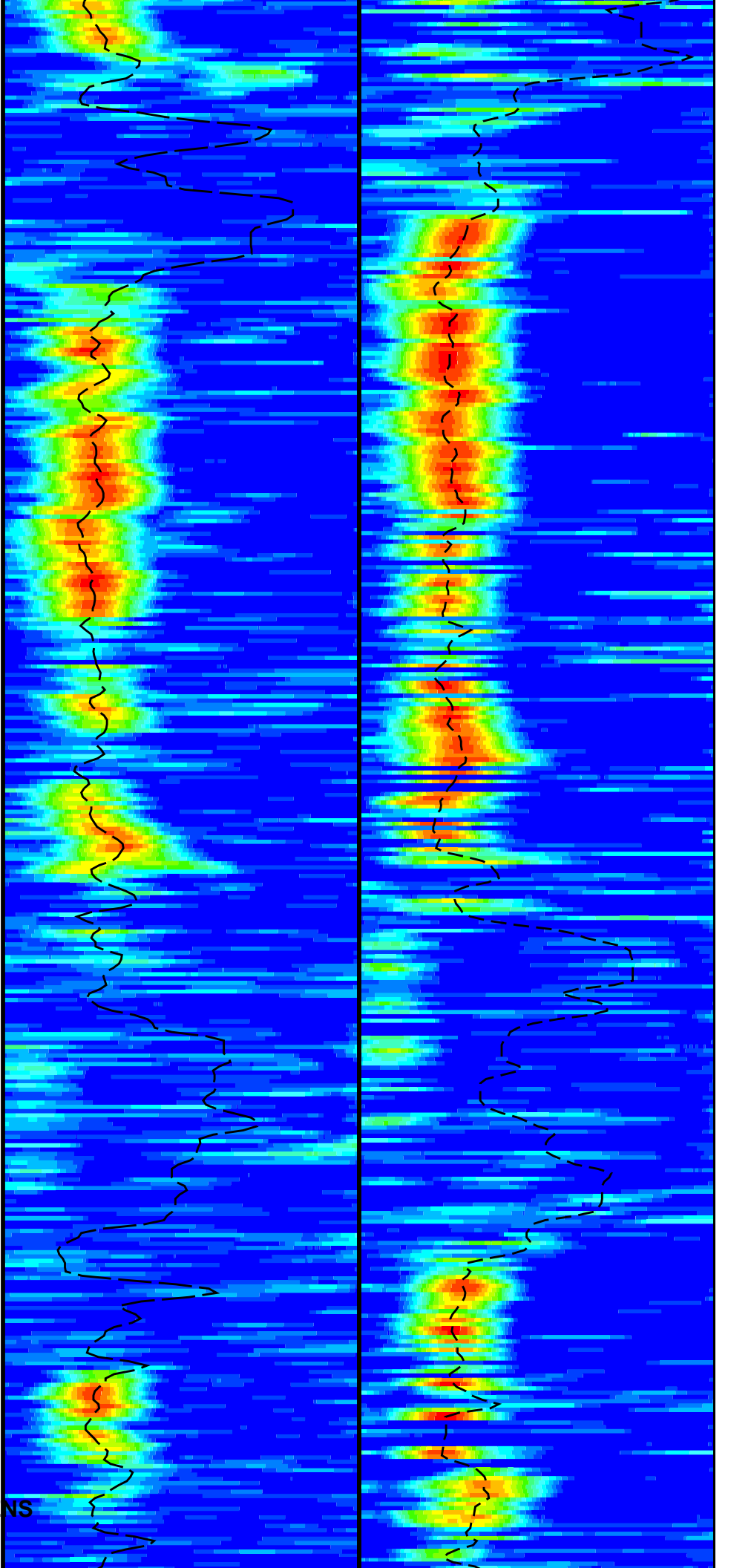


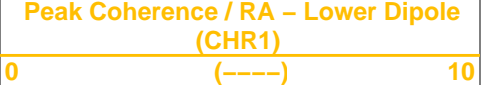
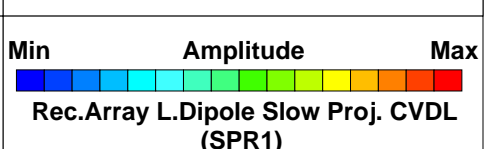
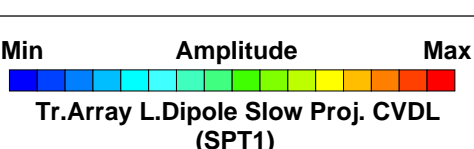
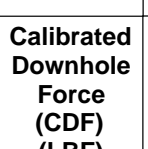
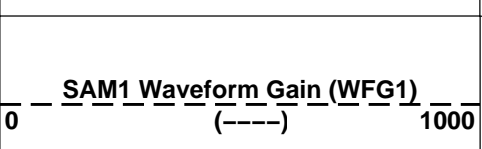
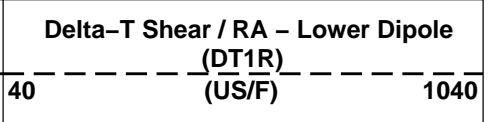
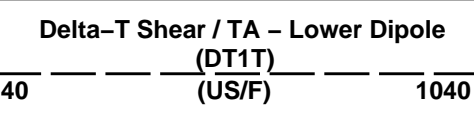
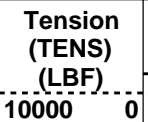
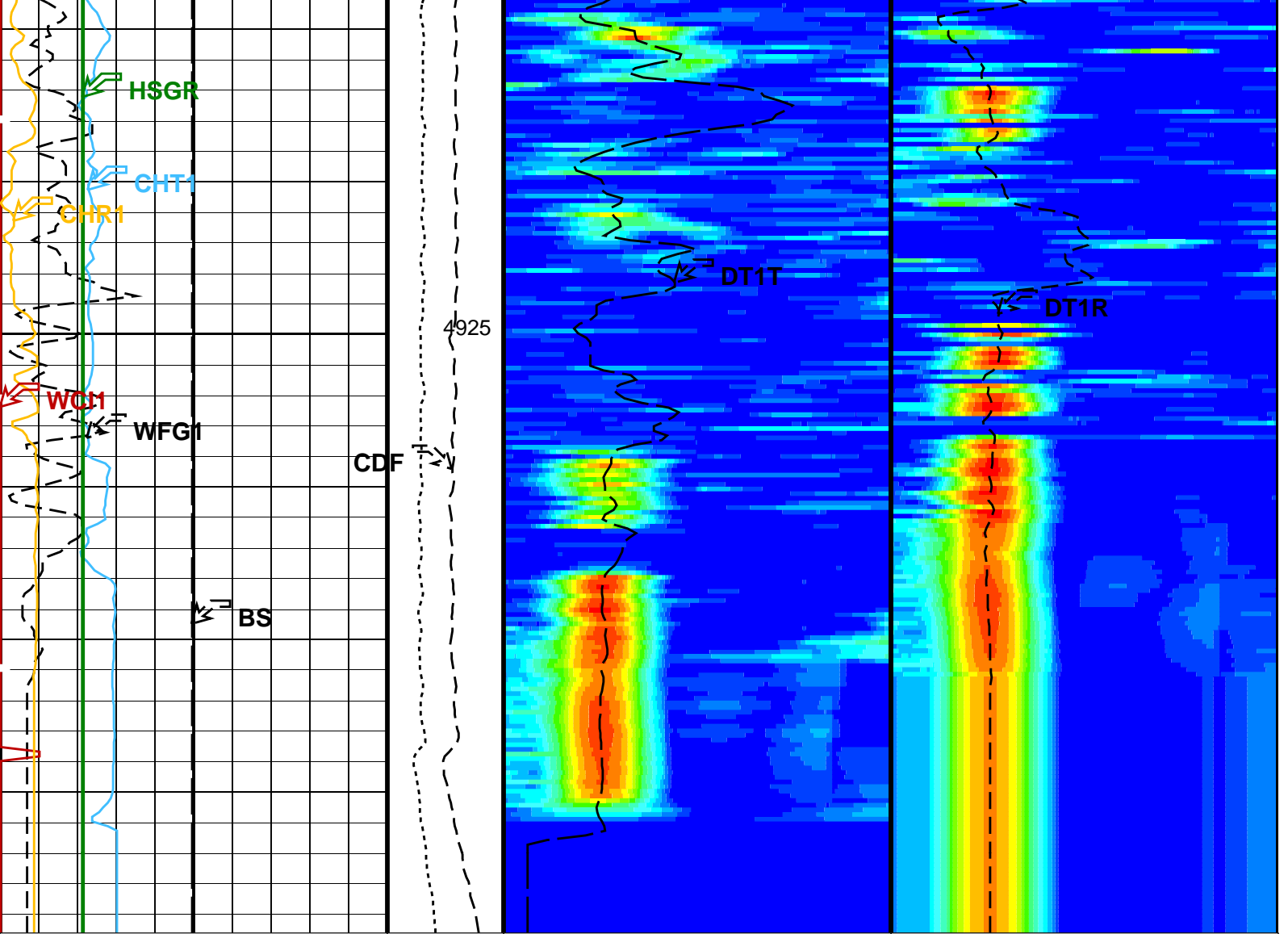


4875

4900

TENS





PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager - B			
BHS	Borehole Status	OPEN	
DDE1	Digitizing Delay 1	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source - Dipole Shear	USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	40	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1040	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
GCSE	Generalized Caliper Selection	LCAL	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	LFD_EVEN	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status - Lower Dipole	255	
SBO1	STC Search Band Offset - Lower Dipole	3000	US
SBW1	STC Search Bandwidth - Lower Dipole	8000	US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE	
SFM1	STC Filter - Lower Dipole	B.3-1.5K	
LLL1	STC Slowness Lower Limit - Lower Dipole	40	US/F
SST1	STC Slowness Step - Lower Dipole	4	US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit - Lower Dipole	1040	US/F
SWD1	STC Slowness Width - Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill - Lower Dipole	0	US
TLL1	STC Time Lower Limit - Lower Dipole	600	US
TST1	STC Time Step - Lower Dipole	200	US
TUL1	STC Time Upper Limit - Lower Dipole	18960	US
TWD1	STC Time Width - Lower Dipole	2000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
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	10.75	IN
CSD2	Outer Casing Outer Diameter	10.75	IN
CSW1	Inner Casing Weight	45	LB/F
CSW2	Outer Casing Weight	45	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00457966	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.974397	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.991452	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.32	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

OP System Version: 19C0-187

DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_028LUP	FN:33	PRODUCER	06-Apr-2017 17:40	4944.6 M	4787.6 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_037PUP	FN:49	PRODUCER	06-Apr-2017 20:22		
BACKUP	DSI_HRLA_LDL_NGS_037PUP	FN:50	PRODUCER	06-Apr-2017 20:22		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_028LUP	FN:33	PRODUCER	06-Apr-2017 17:40	4944.6 M	4787.6 M
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Output DLIS Files

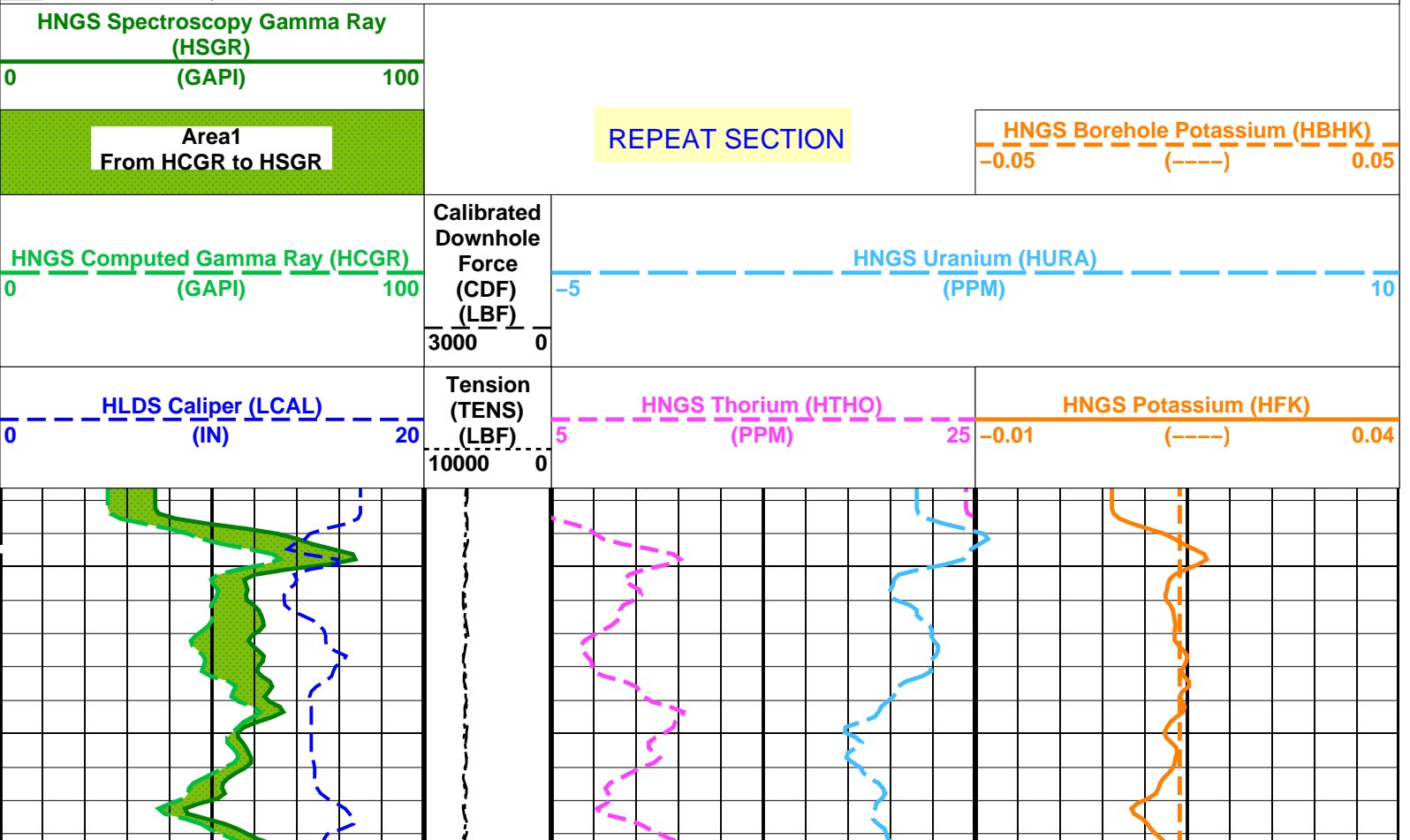
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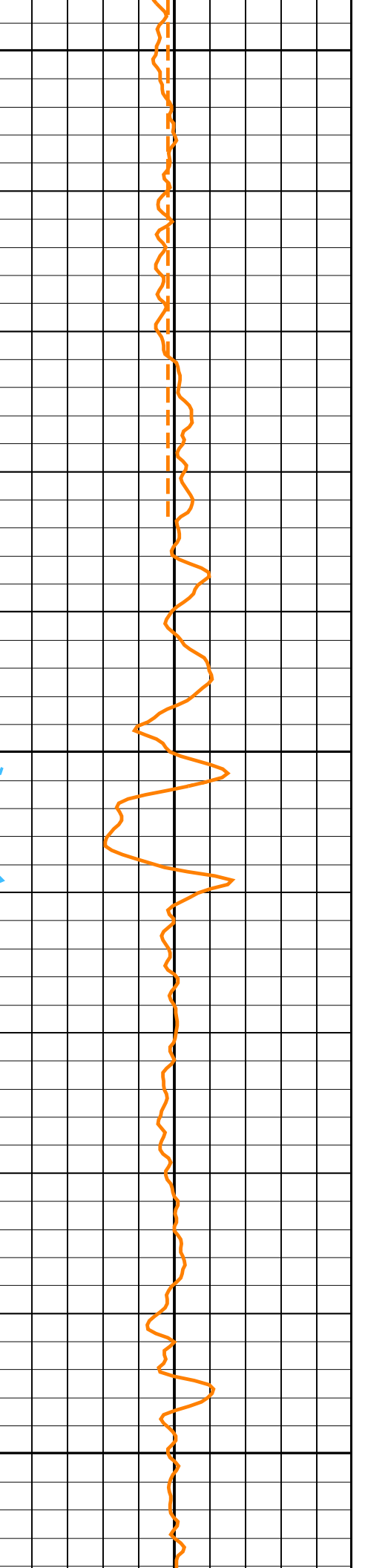
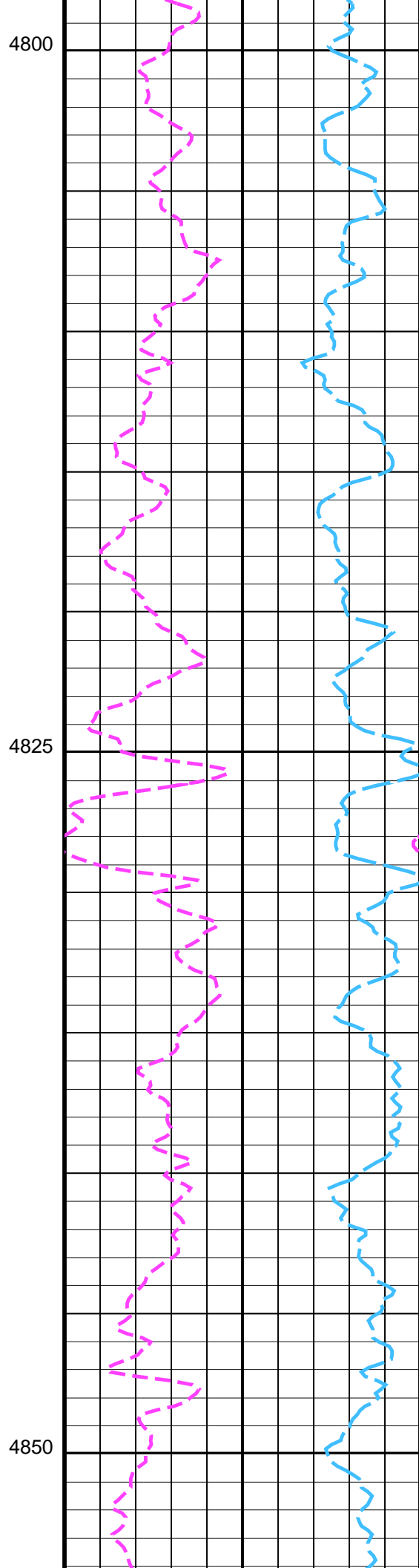
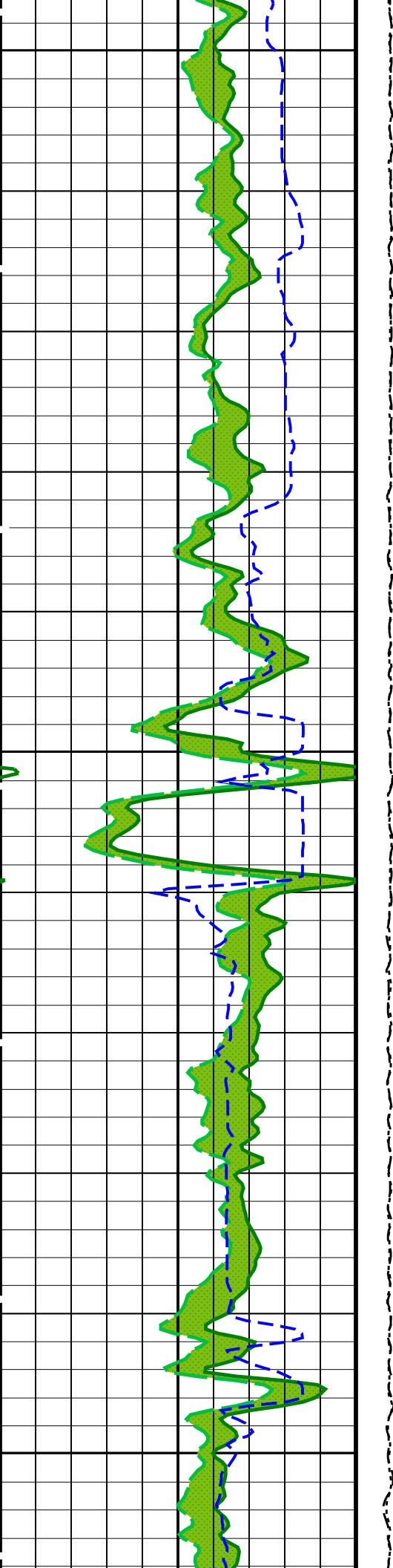
OP System Version: 19C0-187

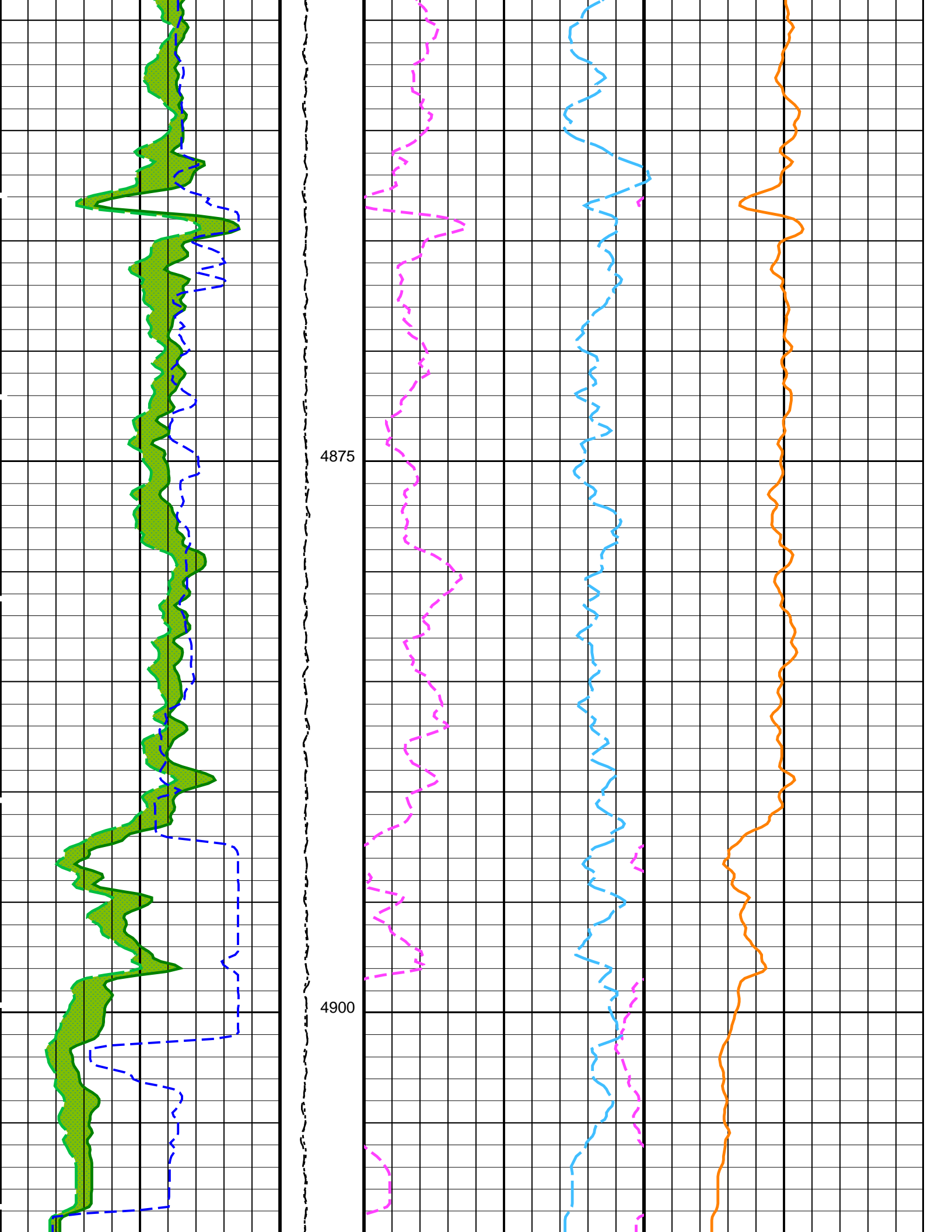
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HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

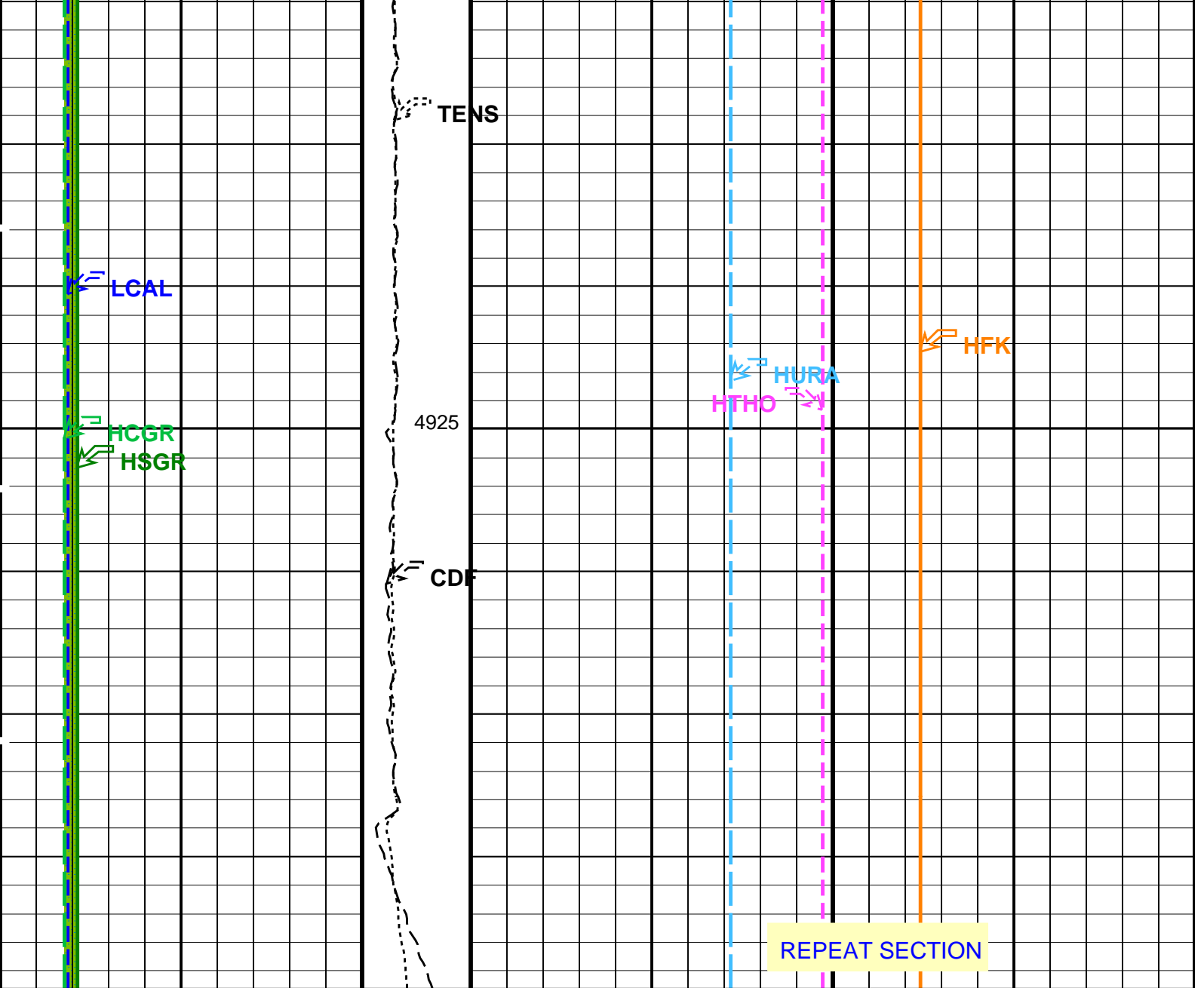
PIP SUMMARY

Time Mark Every 60 S









<p>HLDS Caliper (LCAL) (IN)</p> <p>0 20</p>	<p>Tension (TENS) (LBF)</p> <p>10000 0</p>	<p>HNGS Thorium (HTHO) (PPM)</p> <p>5 25</p>	<p>HNGS Potassium (HFK) (-----)</p> <p>-0.01 0.04</p>
<p>HNGS Computed Gamma Ray (HCGR) (GAPI)</p> <p>0 100</p>	<p>Calibrated Downhole Force (CDF) (LBF)</p> <p>3000 0</p>	<p>HNGS Uranium (HURA) (PPM)</p> <p>-5 10</p>	
<p>Area1 From HCGR to HSGR</p>		<p>HNGS Borehole Potassium (HBHK) (-----)</p> <p>-0.05 0.05</p>	
<p>HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)</p> <p>0 100</p>			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DUS	DSST-B: Dipole Shear Imager - B Borehole Status	OPEN

BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
	HRLT-B: High Resolution Laterolog Array - B		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
	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	10.75	IN
CSD2	Outer Casing Outer Diameter	10.75	IN
CSW1	Inner Casing Weight	45	LB/F
CSW2	Outer Casing Weight	45	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00457966	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.974397	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.991452	
	EDTC-B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.32	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 06-Apr-2017 20:22

OP System Version: 19C0-187

DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_028LUP	FN:33	PRODUCER	06-Apr-2017 17:40	4944.6 M	4787.6 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_037PUP	FN:49	PRODUCER	06-Apr-2017 20:22		
BACKUP	DSI_HRLA_LDL_NGS_037PUP	FN:50	PRODUCER	06-Apr-2017 20:22		

Company: International Ocean Discovery Program Well: Expedition 367, Site U1500B

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_028LUP	FN:33	PRODUCER	06-Apr-2017 17:40	4944.6 M	4787.6 M
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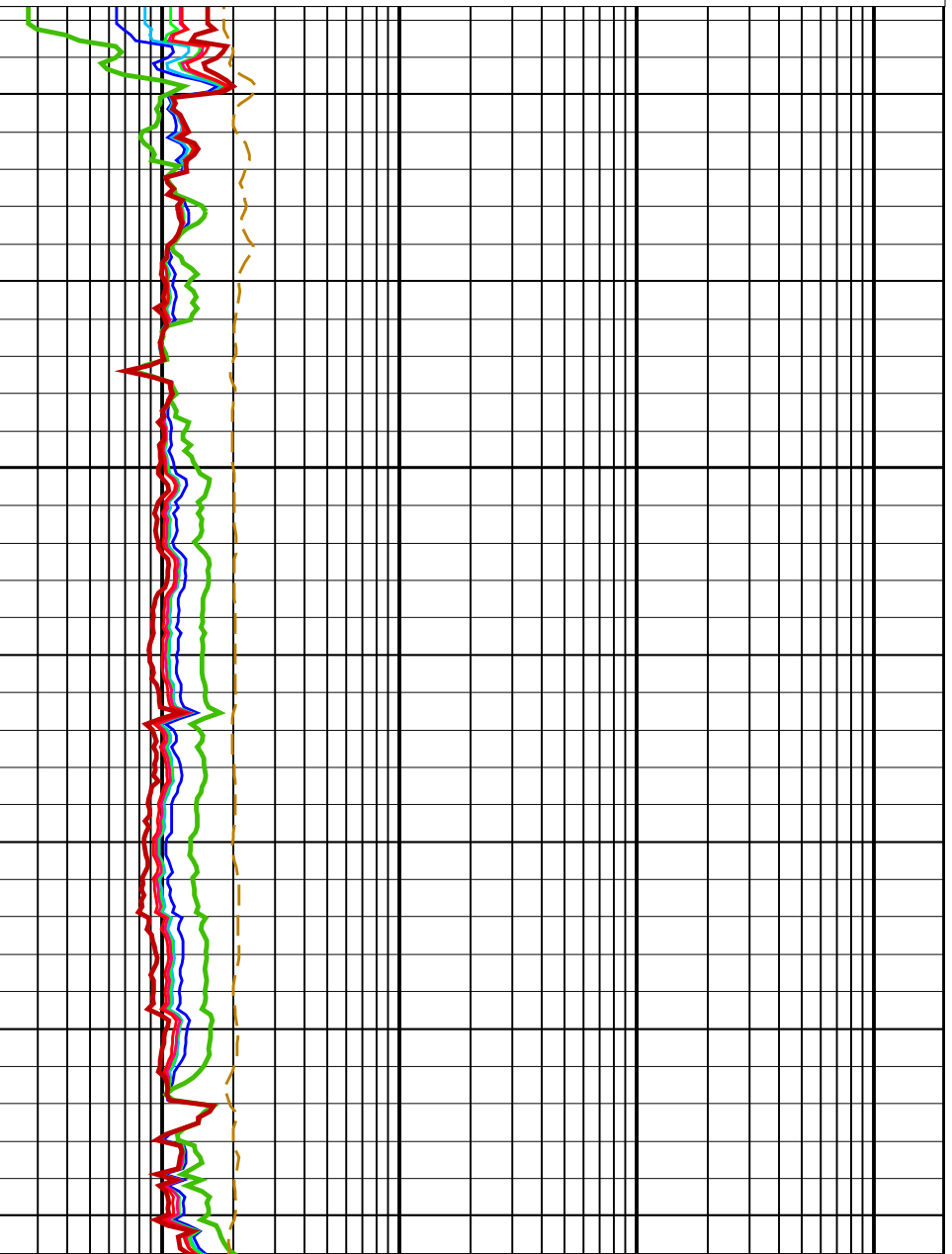
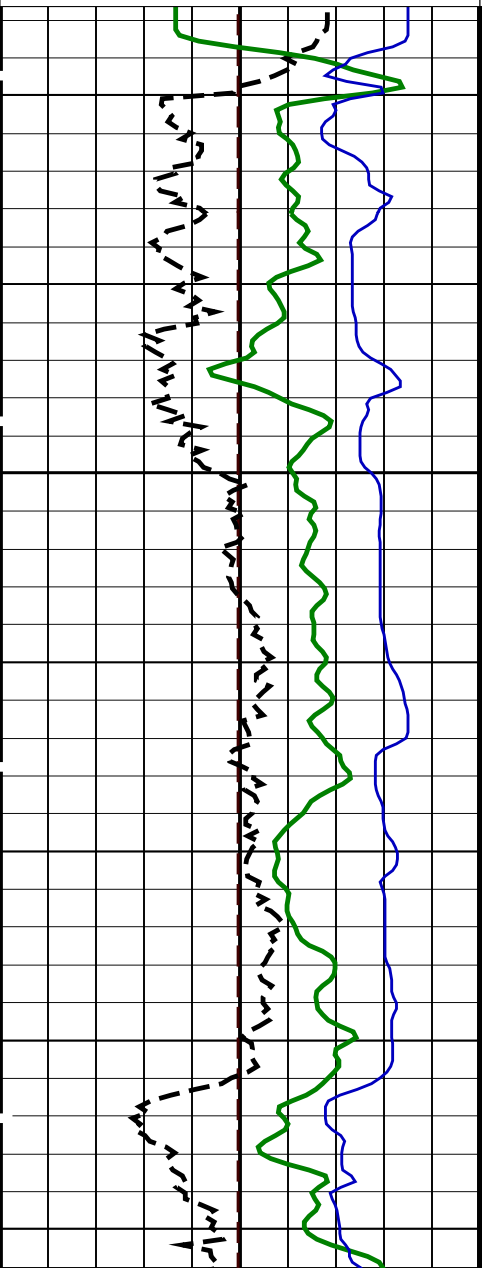
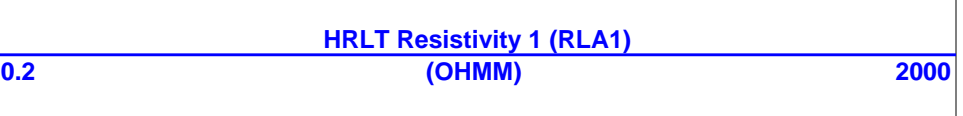
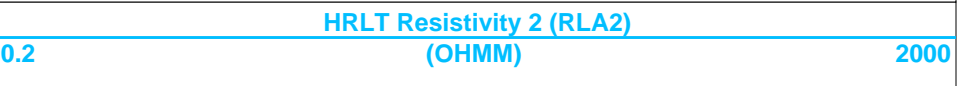
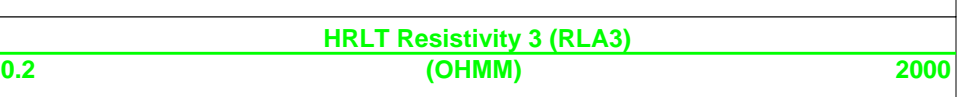
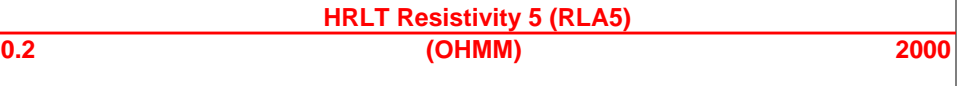
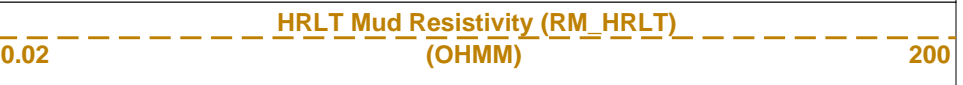
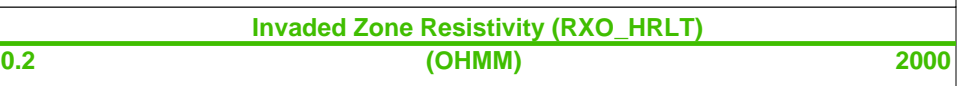
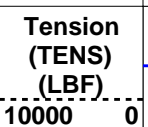
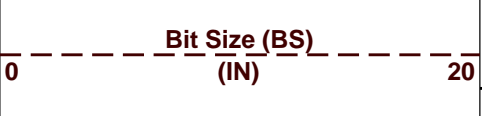
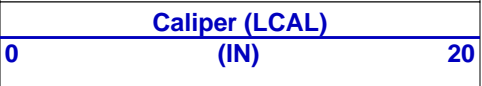
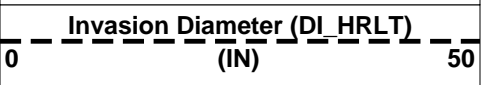
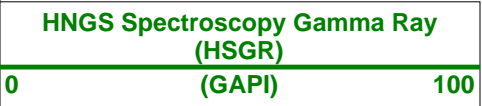
Output DLIS Files

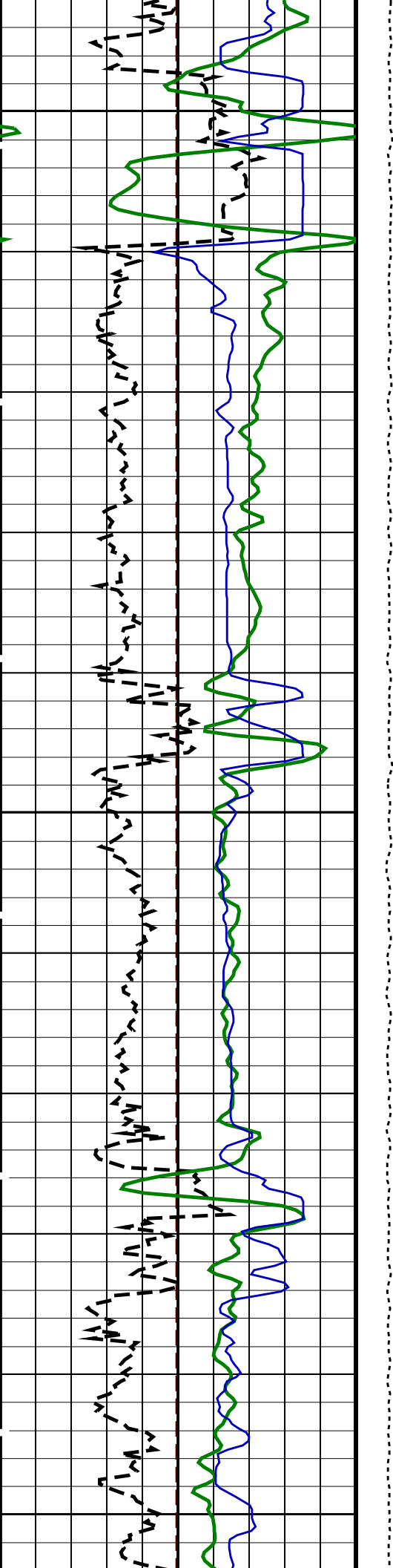
DEFAULT	DSI_HRLA_LDL_NGS_037PUP	FN:49	PRODUCER	06-Apr-2017 20:22	4944.6 M	4787.6 M
BACKUP	DSI_HRLA_LDL_NGS_037PUP	FN:50	PRODUCER	06-Apr-2017 20:22	4944.6 M	4787.6 M

OP System Version: 19C0-187

DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

REPEAT SECTION

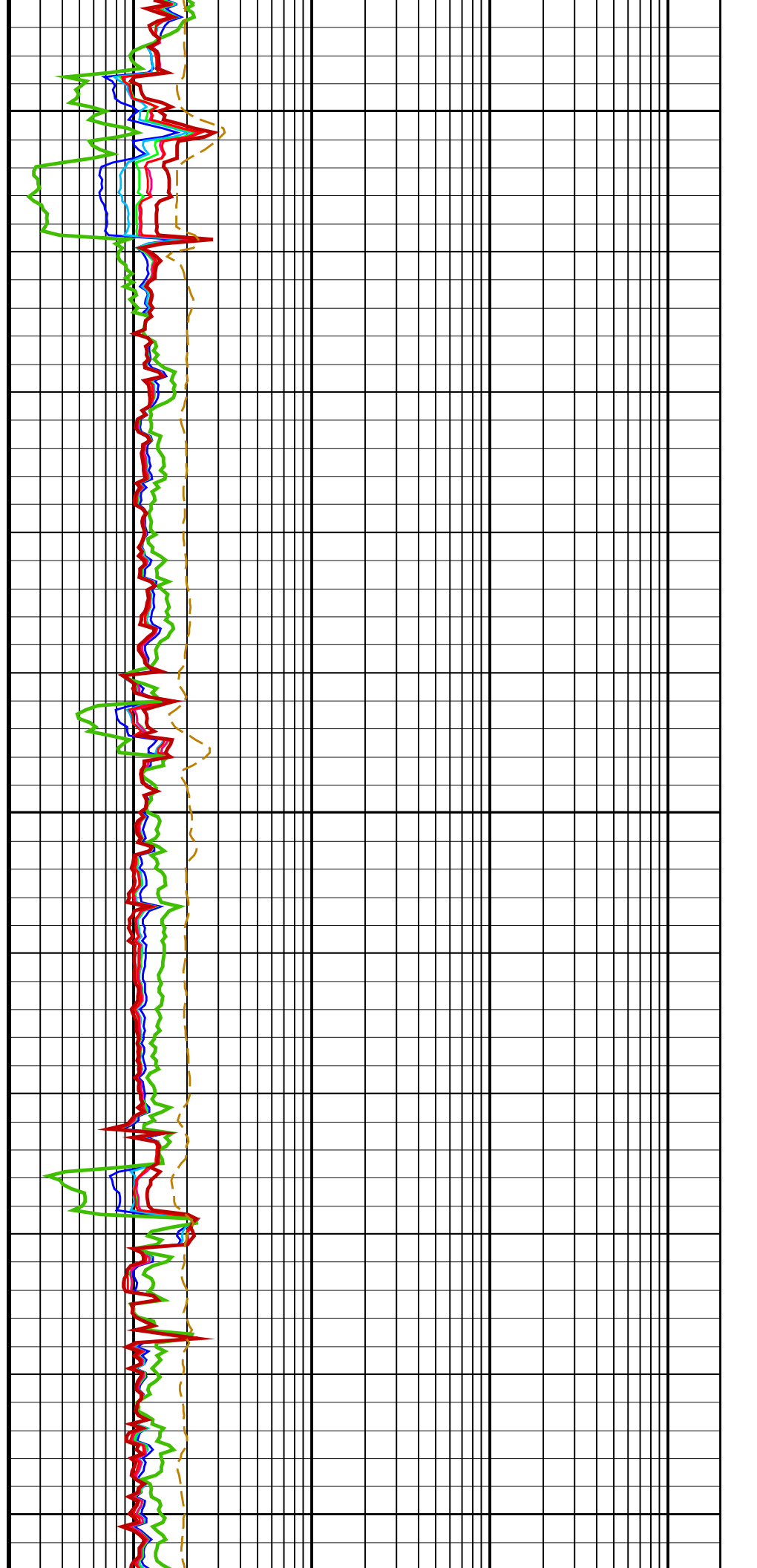


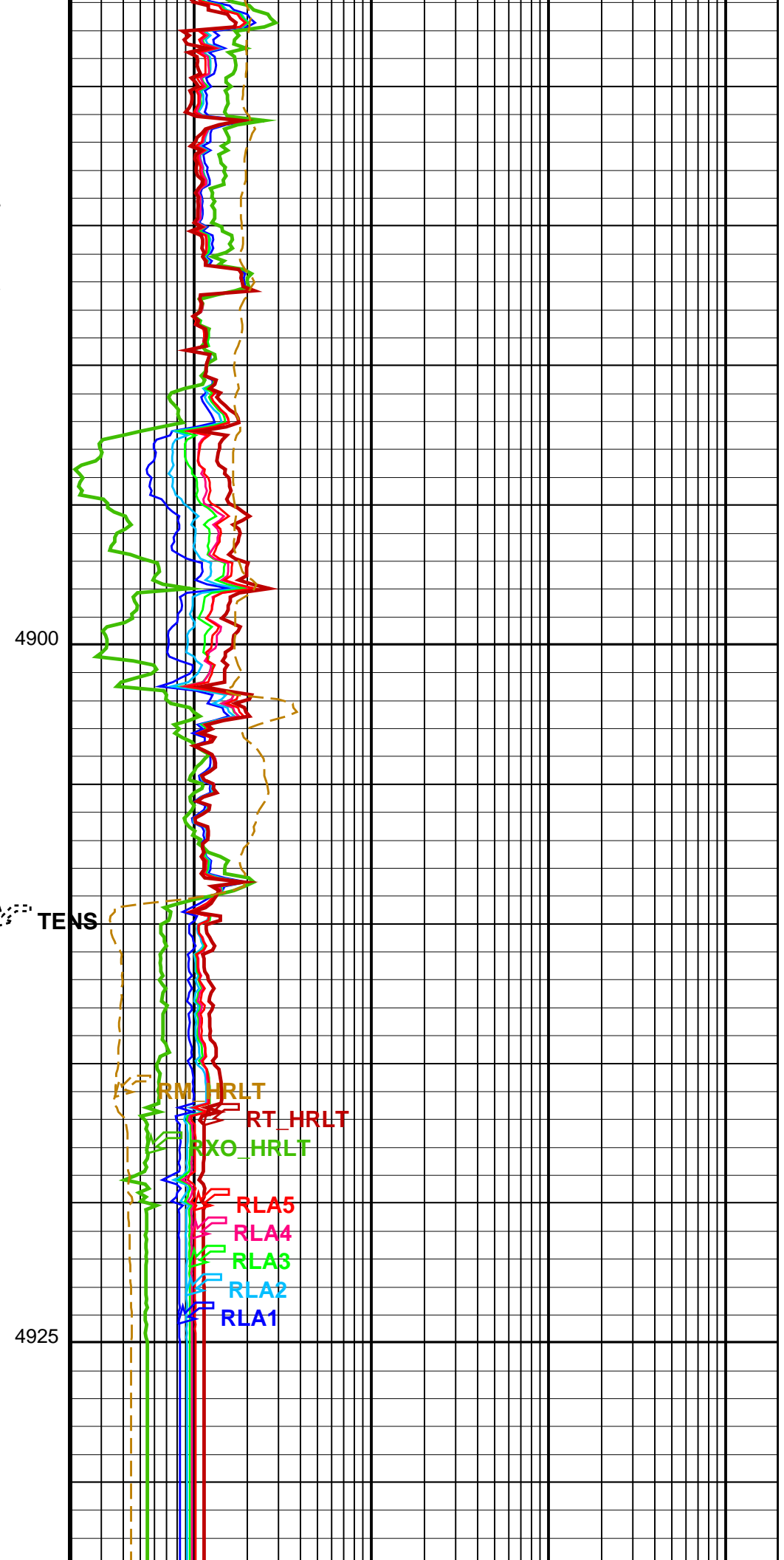
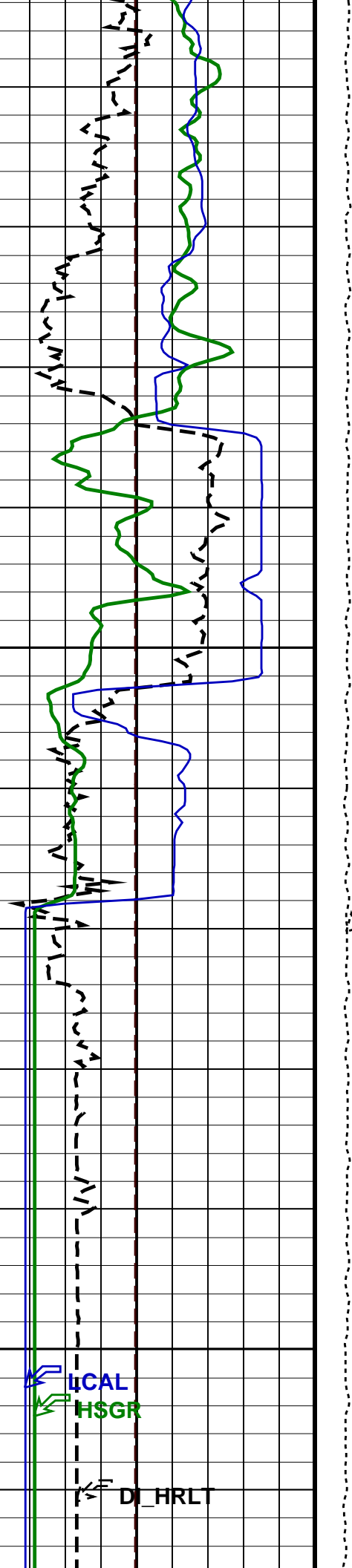


4825

4850

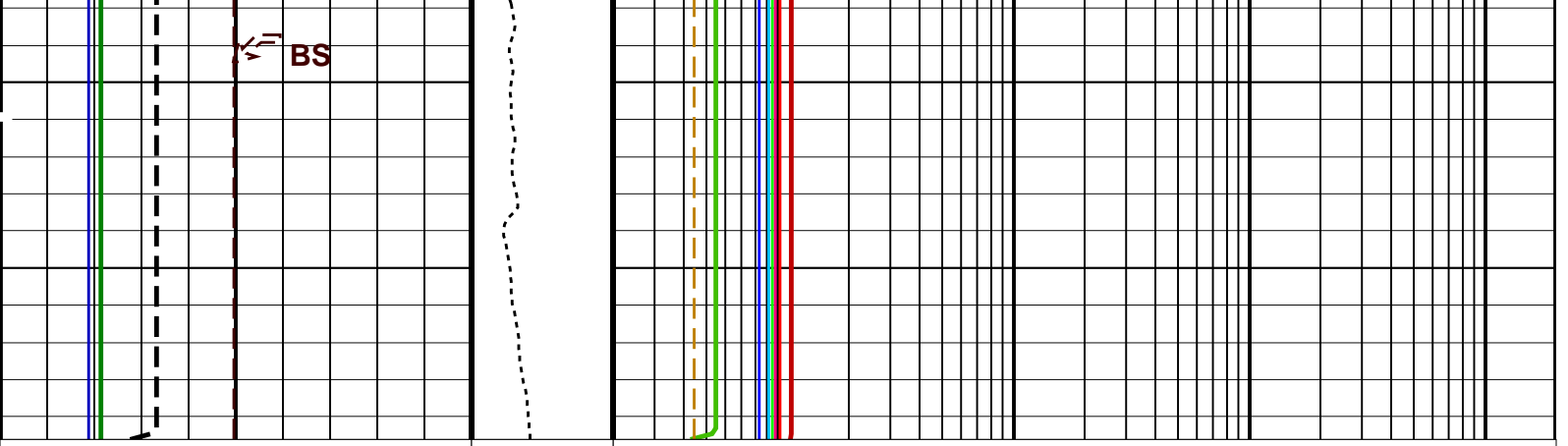
4875





4900

4925



Bit Size (BS) (IN) 0 20	Tension (TENS) (LBF) 10000 0	HRLT Resistivity 1 (RLA1) (OHMM) 0.2 2000
Caliper (LCAL) (IN) 0 20		HRLT Resistivity 2 (RLA2) (OHMM) 0.2 2000
Invasion Diameter (DI_HRLT) (IN) 0 50		HRLT Resistivity 3 (RLA3) (OHMM) 0.2 2000
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 100		HRLT Resistivity 4 (RLA4) (OHMM) 0.2 2000
REPEAT SECTION		HRLT Resistivity 5 (RLA5) (OHMM) 0.2 2000
		HRLT Mud Resistivity (RM_HRLT) (OHMM) 0.02 200
		Invaded Zone Resistivity (RXO_HRLT) (OHMM) 0.2 2000
		HRLT True Resistivity (RT_HRLT) (OHMM) 0.2 2000

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	21 DEGC
GCSE	Generalized Caliper Selection	LCAL
GGRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE
SHT	Surface Hole Temperature	20 DEGC
HRLT-B: High Resolution Laterolog Array - B		
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	21 DEGC
GCSE	Generalized Caliper Selection	LCAL
GGRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE
KFAC_HRLT	HRLT K Factor Option	SONDE
PROCINV	Inversion Selection	ON
PROCML	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO
PROCMSO	Mechanical Standoff Fin Size	0 IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute
PROCSP0	Sonde Position	Centered
SHT	Surface Hole Temperature	20 DEGC
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	
BHT	Bottom Hole Temperature (used in calculations)	21	DEGC
CSD1	Inner Casing Outer Diameter	10.75	IN
CSD2	Outer Casing Outer Diameter	10.75	IN
CSW1	Inner Casing Weight	45	LB/F
CSW2	Outer Casing Weight	45	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00457966	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	20	DEGC
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.974397	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.991452	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	21	DEGC
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	20	DEGC
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.32	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	5345	M

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 06-Apr-2017 20:22

OP System Version: 19C0-187

DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_028LUP	FN:33	PRODUCER	06-Apr-2017 17:40	4944.6 M	4787.6 M
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Output DLIS Files

DEFAULT	DSI_HRLA_LDL_NGS_037PUP	FN:49	PRODUCER	06-Apr-2017 20:22		
BACKUP	DSI_HRLA_LDL_NGS_037PUP	FN:50	PRODUCER	06-Apr-2017 20:22		

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
High Resolution Laterolog Array - B Wellsite Calibration - HRLT M01							
Before: 6-Apr-2017 13:08 After: 6-Apr-2017 20:57							
HRLT M0-M1 Voltage Plus - 0	0	N/A	-318.9	-318.1	0.7889	9.681	UV
HRLT M0-M1 Voltage Plus - 1	0	N/A	-333.4	-327.9	5.482	9.681	UV
HRLT M0-M1 Voltage Plus - 2	0	N/A	-340.3	-335.9	4.414	9.681	UV
HRLT M0-M1 Voltage Plus - 3	0	N/A	-330.9	-326.9	3.913	9.681	UV
HRLT M0-M1 Voltage Plus - 4	0	N/A	-320.5	-319.1	1.347	9.681	UV
HRLT M0-M1 Voltage Plus - 5	0	N/A	-322.3	-321.0	1.253	9.681	UV
HRLT M0-M1 Voltage Plus - 6	0	N/A	323.6	317.7	-5.894	9.681	UV
HRLT M0-M1 Voltage Plus - 7	0	N/A	-322.7	-322.7	0	9.681	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT M12

Before: 6-Apr-2017 13:08	After: 6-Apr-2017 20:57							
HRLT M1-M2 Voltage Plus - 0	0	N/A	1745	1735	-9.595	53.42	UV	
HRLT M1-M2 Voltage Plus - 1	0	N/A	1830	1795	-35.21	53.42	UV	
HRLT M1-M2 Voltage Plus - 2	0	N/A	1861	1832	-29.32	53.42	UV	
HRLT M1-M2 Voltage Plus - 3	0	N/A	1808	1781	-26.77	53.42	UV	
HRLT M1-M2 Voltage Plus - 4	0	N/A	1750	1738	-12.49	53.42	UV	
HRLT M1-M2 Voltage Plus - 5	0	N/A	1761	1749	-12.41	53.42	UV	
HRLT M1-M2 Voltage Plus - 6	0	N/A	-1784	-1747	37.44	53.42	UV	
HRLT M1-M2 Voltage Plus - 7	0	N/A	1781	1781	0	53.42	UV	

High Resolution Laterolog Array - B Wellsite Calibration - HRLT M23

Before: 6-Apr-2017 13:08	After: 6-Apr-2017 20:57						
HRLT M2-M3 Voltage Plus - 0	0	N/A	1735	1728	-6.987	53.42	UV
HRLT M2-M3 Voltage Plus - 1	0	N/A	1831	1797	-34.35	53.42	UV
HRLT M2-M3 Voltage Plus - 2	0	N/A	1864	1836	-27.94	53.42	UV
HRLT M2-M3 Voltage Plus - 3	0	N/A	1815	1789	-25.13	53.42	UV
HRLT M2-M3 Voltage Plus - 4	0	N/A	1750	1740	-10.20	53.42	UV
HRLT M2-M3 Voltage Plus - 5	0	N/A	1762	1752	-9.461	53.42	UV
HRLT M2-M3 Voltage Plus - 6	0	N/A	-1774	-1738	36.38	53.42	UV
HRLT M2-M3 Voltage Plus - 7	0	N/A	1781	1781	0	53.42	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V34

Before: 6-Apr-2017 13:08	After: 6-Apr-2017 20:57						
HRLT A3-A4 Voltage Plus - 0	0	N/A	68760	68480	-277.3	2100	UV
HRLT A3-A4 Voltage Plus - 1	0	N/A	72400	71100	-1292	2100	UV
HRLT A3-A4 Voltage Plus - 2	0	N/A	74000	72930	-1068	2100	UV
HRLT A3-A4 Voltage Plus - 3	0	N/A	72280	71310	-974.6	2100	UV
HRLT A3-A4 Voltage Plus - 4	0	N/A	69690	69300	-391.8	2100	UV
HRLT A3-A4 Voltage Plus - 5	0	N/A	70170	69800	-368.9	2100	UV
HRLT A3-A4 Voltage Plus - 6	0	N/A	-69160	-67780	1382	2100	UV
HRLT A3-A4 Voltage Plus - 7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V45

Before: 6-Apr-2017 13:08	After: 6-Apr-2017 20:57						
HRLT A4-A5 Voltage Plus - 0	0	N/A	68850	68560	-291.7	2100	UV
HRLT A4-A5 Voltage Plus - 1	0	N/A	72610	71310	-1295	2100	UV
HRLT A4-A5 Voltage Plus - 2	0	N/A	74180	73120	-1059	2100	UV
HRLT A4-A5 Voltage Plus - 3	0	N/A	72420	71460	-967.0	2100	UV
HRLT A4-A5 Voltage Plus - 4	0	N/A	69790	69410	-385.7	2100	UV
HRLT A4-A5 Voltage Plus - 5	0	N/A	70270	69890	-374.7	2100	UV
HRLT A4-A5 Voltage Plus - 6	0	N/A	-69360	-67980	1372	2100	UV
HRLT A4-A5 Voltage Plus - 7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V56

Before: 6-Apr-2017 13:08	After: 6-Apr-2017 20:57						
HRLT A5-A6 Voltage Plus - 0	0	N/A	68710	68410	-305.5	2100	UV
HRLT A5-A6 Voltage Plus - 1	0	N/A	72440	71130	-1312	2100	UV
HRLT A5-A6 Voltage Plus - 2	0	N/A	74010	72960	-1060	2100	UV
HRLT A5-A6 Voltage Plus - 3	0	N/A	72290	71320	-967.7	2100	UV
HRLT A5-A6 Voltage Plus - 4	0	N/A	69680	69270	-402.4	2100	UV
HRLT A5-A6 Voltage Plus - 5	0	N/A	70140	69750	-388.3	2100	UV
HRLT A5-A6 Voltage Plus - 6	0	N/A	-69200	-67830	1375	2100	UV
HRLT A5-A6 Voltage Plus - 7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT VTP

Before: 6-Apr-2017 13:08	After: 6-Apr-2017 20:57						
HRLT Torpedo-M0 Voltage - 0	0	N/A	-68200	-67960	245.6	2100	UV
HRLT Torpedo-M0 Voltage - 1	0	N/A	-72230	-70950	1285	2100	UV
HRLT Torpedo-M0 Voltage - 2	0	N/A	-73860	-72810	1044	2100	UV
HRLT Torpedo-M0 Voltage - 3	0	N/A	-72190	-71240	957.7	2100	UV
HRLT Torpedo-M0 Voltage - 4	0	N/A	-69600	-69240	364.5	2100	UV
HRLT Torpedo-M0 Voltage - 5	0	N/A	-70070	-69730	343.7	2100	UV
HRLT Torpedo-M0 Voltage - 6	0	N/A	68960	67600	-1366	2100	UV
HRLT Torpedo-M0 Voltage - 7	0	N/A	-70000	-70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT VBD

Before: 6-Apr-2017 13:08	After: 6-Apr-2017 20:57						
HRLT Bridle#9-M0 Voltage - 0	0	N/A	-68230	-67990	240.2	2100	UV
HRLT Bridle#9-M0 Voltage - 1	0	N/A	-72330	-71050	1280	2100	UV
HRLT Bridle#9-M0 Voltage - 2	0	N/A	-73930	-72910	1025	2100	UV
HRLT Bridle#9-M0 Voltage - 3	0	N/A	-72250	-71300	951.2	2100	UV
HRLT Bridle#9-M0 Voltage - 4	0	N/A	-69650	-69290	365.1	2100	UV
HRLT Bridle#9-M0 Voltage - 5	0	N/A	-70100	-69760	337.5	2100	UV
HRLT Bridle#9-M0 Voltage - 6	0	N/A	69040	67690	-1351	2100	UV
HRLT Bridle#9-M0 Voltage - 7	0	N/A	-70000	-70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT ISO

Before: 6-Apr-2017 13:08	After: 6-Apr-2017 20:57						
HRLT Source Current Plus - 0	0	N/A	284.6	283.8	-0.8216	8.520	UA
HRLT Source Current Plus - 1	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus - 2	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus - 3	0	N/A	281.1	281.1	0	8.520	UA

HRLT Source Current Plus - 4	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus - 5	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus - 6	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus - 7	0	N/A	281.1	281.1	0	8.520	UA

High Resolution Laterolog Array - B Wellsite Calibration - HRLT MV

Before: 6-Apr-2017 13:08 After: 6-Apr-2017 20:57

HRLT Vertical Voltage PI - 0	0	N/A	-320.9	-319.8	1.108	9.681	UV
HRLT Vertical Voltage PI - 1	0	N/A	-328.2	-322.5	5.737	9.681	UV
HRLT Vertical Voltage PI - 2	0	N/A	-333.8	-329.1	4.699	9.681	UV
HRLT Vertical Voltage PI - 3	0	N/A	-322.7	-318.6	4.160	9.681	UV
HRLT Vertical Voltage PI - 4	0	N/A	-309.6	-308.1	1.578	9.681	UV
HRLT Vertical Voltage PI - 5	0	N/A	-326.4	-324.8	1.567	9.681	UV
HRLT Vertical Voltage PI - 6	0	N/A	331.2	324.9	-6.311	9.681	UV
HRLT Vertical Voltage PI - 7	0	N/A	-322.7	-322.7	0	9.681	UV

Hostile Litho-Density Sonde Wellsite Calibration - Background Measurement

Before: 25-Mar-2017 2:36

SS Cs Resolution Bkg	9.000	N/A	7.925	N/A	N/A	1.800	%
LS Cs Resolution Bkg	9.000	N/A	8.140	N/A	N/A	1.800	%
LSW1 Background	100.0	N/A	65.37	N/A	N/A	3.000	CPS
LSW2 Background	100.0	N/A	60.47	N/A	N/A	3.000	CPS
LSW3 Background	200.0	N/A	133.5	N/A	N/A	6.000	CPS
LSW4 Background	250.0	N/A	162.1	N/A	N/A	7.500	CPS
LSW5 Background	600.0	N/A	371.0	N/A	N/A	18.00	CPS
SSW1 Background	100.0	N/A	73.88	N/A	N/A	3.000	CPS
SSW2 Background	200.0	N/A	130.7	N/A	N/A	6.000	CPS
SSW3 Background	500.0	N/A	350.8	N/A	N/A	15.00	CPS
SSW4 Background	270.0	N/A	182.7	N/A	N/A	8.100	CPS
SSW5 Background	200.0	N/A	131.9	N/A	N/A	6.000	CPS

Hostile Litho-Density Sonde Wellsite Calibration - Caliper Calibration

Before: 25-Mar-2017 4:35

HLDS Caliper Small Ring	12.00	N/A	15.97	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	15.19	N/A	20.15	N/A	N/A	N/A	IN

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check

Master: 27-Mar-2017 2:51 Before: 27-Mar-2017 2:56 After: 27-Mar-2017 3:16

Na 511 Peak Loc	40.00	39.78	39.61	39.64	0.03034	1.000	
Na 511 Peak Res	15.50	15.89	16.70	15.34	-1.360	2.000	%
High Voltage	1150	1194	1195	1195	-0.2960	N/A	V
Na 1785 Peak Loc	142.6	141.8	142.0	142.1	0.08920	7.000	
Na 1785 Peak Res	8.500	8.607	9.584	9.415	-0.1690	2.000	%
Temperature	15.50	34.40	34.45	34.42	-0.03244	N/A	DEGC
Na Count Rate	45.00	29.68	29.26	29.37	0.1080	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check

Master: 27-Mar-2017 2:51 Before: 27-Mar-2017 2:56 After: 27-Mar-2017 3:16

Na 511 Peak Loc	40.00	39.58	39.77	39.63	-0.1337	1.000	
Na 511 Peak Res	15.50	16.44	15.89	16.75	0.8678	2.000	%
High Voltage	1150	1124	1124	1125	0.2489	N/A	V
Na 1785 Peak Loc	142.6	142.3	142.1	141.9	-0.1906	7.000	
Na 1785 Peak Res	8.500	8.332	9.765	9.462	-0.3035	2.000	%
Temperature	15.50	35.13	35.03	35.05	0.01946	N/A	DEGC
Na Count Rate	45.00	29.69	29.45	29.35	-0.1062	8.000	CPS

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

Master: 27-Mar-2017 2:51 Before: 27-Mar-2017 2:56 After: 27-Mar-2017 3:16

Coincidence Count Rate Ratio	1.000	0.9983	0.9951	0.9986	0.003520	0.05000	
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Hostile Natural Gamma Ray Sonde Master Calibration - Detector 1 Calibration

Master: 27-Mar-2017 2:46

Na 511 Peak Set Point	40.00	41.00	---	---	---	---	
Th Peak Loc	209.6	210.6	---	---	---	---	
Th Peak Res	7.000	7.235	---	---	---	---	%
Background Count Rate	142.5	27.39	---	---	---	---	CPS
Gain Ratio	1.000	1.008	---	---	---	---	

Hostile Natural Gamma Ray Sonde Master Calibration - Detector 2 Calibration

Master: 27-Mar-2017 2:46

Na 511 Peak Set Point	40.00	41.00	---	---	---	---	
Th Peak Loc	209.6	209.3	---	---	---	---	
Th Peak Res	7.000	7.377	---	---	---	---	%
Background Count Rate	142.5	26.24	---	---	---	---	CPS
Gain Ratio	1.000	1.006	---	---	---	---	

Enhanced DTS Cartridge Wellsite Calibration - EDTC Accelerometer Calibration

Before: 6-Apr-2017 13:07

EDTC Z-Axis Acceleration	9.810	N/A	9.728	N/A	N/A	N/A	M/S2
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Enhanced DTS Cartridge Wellsite Calibration - Detector Calibration

Before: 27-Mar-2017 2:56 After: 27-Mar-2017 3:16

High Resolution Laterolog Array - B / Equipment Identification

Primary Equipment:			
HRLT Sonde	HRLS - B	768	
Auxiliary Equipment:			
HRLT lower Housing	HRLH - B	968	
HRLT Lower Cartridge	HRLC - B	974	
HRLT upper Housing	HRUH - B	975	
HRLT Upper Cartridge	HRUC - B	764	

High Resolution Laterolog Array - B Wellsite Calibration							
HRLT M01							
Idx	Phase	HRLT M0-M1 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		-318.9	-322.7	-280.7	-379.7	
	After		-318.1				
1	Before		-333.4	-322.7	-280.7	-379.7	
	After		-327.9				
2	Before		-340.3	-322.7	-280.7	-379.7	
	After		-335.9				
3	Before		-330.9	-322.7	-280.7	-379.7	
	After		-326.9				
4	Before		-320.5	-322.7	-280.7	-379.7	
	After		-319.1				
5	Before		-322.3	-322.7	-280.7	-379.7	
	After		-321.0				
6	Before		323.6	322.7	379.7	280.7	
	After		317.7				
7	Before		-322.7	-322.7	-280.7	-379.7	
	After		-322.7				
		(Minimum) (Nominal) (Maximum)					
Before: 6-Apr-2017 13:08							
After: 6-Apr-2017 20:57							

High Resolution Laterolog Array - B Wellsite Calibration							
HRLT M12							
Idx	Phase	HRLT M1-M2 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		1745	1781	2095	1549	
	After		1735				
1	Before		1830	1781	2095	1549	
	After		1795				
2	Before		1861	1781	2095	1549	
	After		1832				
3	Before		1808	1781	2095	1549	
	After		1781				
4	Before		1750	1781	2095	1549	
	After		1738				

5	Before		1761	1781	2095	1549
	After		1749			
6	Before		-1784	-1781	-1549	-2095
	After		-1747			
7	Before		1781	1781	2095	1549
	After		1781			
(Minimum) (Nominal) (Maximum)						

Before: 6-Apr-2017 13:08
After: 6-Apr-2017 20:57

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M23						
Idx	Phase	HRLT M2–M3 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1735	1781	2095	1549
	After		1728			
1	Before		1831	1781	2095	1549
	After		1797			
2	Before		1864	1781	2095	1549
	After		1836			
3	Before		1815	1781	2095	1549
	After		1789			
4	Before		1750	1781	2095	1549
	After		1740			
5	Before		1762	1781	2095	1549
	After		1752			
6	Before		-1774	-1781	-1549	-2095
	After		-1738			
7	Before		1781	1781	2095	1549
	After		1781			
(Minimum) (Nominal) (Maximum)						

Before: 6-Apr-2017 13:08
After: 6-Apr-2017 20:57

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V34						
Idx	Phase	HRLT A3–A4 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68760	70000	82360	60900
	After		68480			
1	Before		72400	70000	82360	60900
	After		71100			
2	Before		74000	70000	82360	60900
	After		72930			
3	Before		72280	70000	82360	60900
	After		71310			
4	Before		69690	70000	82360	60900
	After		69300			
5	Before		70170	70000	82360	60900
	After		69800			

6	Before		-69160	-70000	-60900	-82360
	After		-67780			
7	Before		70000	70000	82360	60900
	After		70000			
			(Minimum)	(Nominal)	(Maximum)	
Before: 6-Apr-2017 13:08						
After: 6-Apr-2017 20:57						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V45						
Idx	Phase	HRLT A4–A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68850	70000	82360	60900
	After		68560			
1	Before		72610	70000	82360	60900
	After		71310			
2	Before		74180	70000	82360	60900
	After		73120			
3	Before		72420	70000	82360	60900
	After		71460			
4	Before		69790	70000	82360	60900
	After		69410			
5	Before		70270	70000	82360	60900
	After		69890			
6	Before		-69360	-70000	-60900	-82360
	After		-67980			
7	Before		70000	70000	82360	60900
	After		70000			
			(Minimum)	(Nominal)	(Maximum)	
Before: 6-Apr-2017 13:08						
After: 6-Apr-2017 20:57						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V56						
Idx	Phase	HRLT A5–A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68710	70000	82360	60900
	After		68410			
1	Before		72440	70000	82360	60900
	After		71130			
2	Before		74010	70000	82360	60900
	After		72960			
3	Before		72290	70000	82360	60900
	After		71320			
4	Before		69680	70000	82360	60900
	After		69270			
5	Before		70140	70000	82360	60900
	After		69750			
6	Before		-69200	-70000	-60900	-82360
	After		-67830			
			(Minimum)	(Nominal)	(Maximum)	

7	Before		70000	82360	60900
	After		70000		
		(Minimum) (Nominal) (Maximum)			

Before: 6-Apr-2017 13:08

After: 6-Apr-2017 20:57

High Resolution Laterolog Array – B Wellsite Calibration							
HRLT VTP							
Idx	Phase	HRLT Torpedo-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		-68200	-70000	-60900	-82360	
	After		-67960				
1	Before		-72230	-70000	-60900	-82360	
	After		-70950				
2	Before		-73860	-70000	-60900	-82360	
	After		-72810				
3	Before		-72190	-70000	-60900	-82360	
	After		-71240				
4	Before		-69600	-70000	-60900	-82360	
	After		-69240				
5	Before		-70070	-70000	-60900	-82360	
	After		-69730				
6	Before		68960	70000	82360	60900	
	After		67600				
7	Before		-70000	-70000	-60900	-82360	
	After		-70000				
		(Minimum) (Nominal) (Maximum)					

Before: 6-Apr-2017 13:08

After: 6-Apr-2017 20:57

High Resolution Laterolog Array – B Wellsite Calibration							
HRLT VBD							
Idx	Phase	HRLT Bridle#9-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		-68230	-70000	-60900	-82360	
	After		-67990				
1	Before		-72330	-70000	-60900	-82360	
	After		-71050				
2	Before		-73930	-70000	-60900	-82360	
	After		-72910				
3	Before		-72250	-70000	-60900	-82360	
	After		-71300				
4	Before		-69650	-70000	-60900	-82360	
	After		-69290				
5	Before		-70100	-70000	-60900	-82360	
	After		-69760				
6	Before		69040	70000	82360	60900	
	After		67690				
7	Before		-70000	-70000	-60900	-82360	
	After		-70000				

(Minimum)	(Nominal)	(Maximum)
Before: 6-Apr-2017 13:08		
After: 6-Apr-2017 20:57		

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT ISO						
Idx	Phase	HRLT Source Current Plus UA	Value	Nominal	Maximum	Minimum
0	Before		284.6	284.0	334.1	247.0
	After		283.8			
1	Before		281.1	281.1	330.7	244.4
	After		281.1			
2	Before		281.1	281.1	330.7	244.4
	After		281.1			
3	Before		281.1	281.1	330.7	244.4
	After		281.1			
4	Before		281.1	281.1	330.7	244.4
	After		281.1			
5	Before		281.1	281.1	330.7	244.4
	After		281.1			
6	Before		281.1	281.1	330.7	244.4
	After		281.1			
7	Before		281.1	281.1	330.7	244.4
	After		281.1			
		(Minimum) (Nominal) (Maximum)				

Before: 6-Apr-2017 13:08		
After: 6-Apr-2017 20:57		

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT MV						
Idx	Phase	HRLT Vertical Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-320.9	-322.7	-280.7	-379.7
	After		-319.8			
1	Before		-328.2	-322.7	-280.7	-379.7
	After		-322.5			
2	Before		-333.8	-322.7	-280.7	-379.7
	After		-329.1			
3	Before		-322.7	-322.7	-280.7	-379.7
	After		-318.6			
4	Before		-309.6	-322.7	-280.7	-379.7
	After		-308.1			
5	Before		-326.4	-322.7	-280.7	-379.7
	After		-324.8			
6	Before		331.2	322.7	379.7	280.7
	After		324.9			
7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			
		(Minimum) (Nominal) (Maximum)				

Before: 6-Apr-2017 13:08		
After: 6-Apr-2017 20:57		

Hostile Litho-Density Sonde / Equipment Identification

Primary Equipment:		
Gamma Source Radioactive	GSR - ZA	2945
Hostile Litho Density Sonde	HLDS - D	45
Hostile Litho Density High Voltage	HLDV - D	45
Auxiliary Equipment:		
Hostile Litho Density High Voltage Housi	HEH - H	47
Hostile Litho Density Pad	HLDP - C	45

Hostile Litho-Density Sonde Wellsite Calibration

Background Measurement

Phase	SS Cs Resolution Bkg %	Value	Phase	LS Cs Resolution Bkg %	Value	Phase	LSW1 Background CPS	Value
Before		7.925	Before		8.140	Before		65.37
	7.000 (Minimum) 9.000 (Nominal) 11.000 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.000 (Maximum)			55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)	
Phase	LSW2 Background CPS	Value	Phase	LSW3 Background CPS	Value	Phase	LSW4 Background CPS	Value
Before		60.47	Before		133.5	Before		162.1
	50.00 (Minimum) 100.0 (Nominal) 140.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 290.0 (Maximum)			140.0 (Minimum) 250.0 (Nominal) 360.0 (Maximum)	
Phase	LSW5 Background CPS	Value	Phase	SSW1 Background CPS	Value	Phase	SSW2 Background CPS	Value
Before		371.0	Before		73.88	Before		130.7
	330.0 (Minimum) 600.0 (Nominal) 830.0 (Maximum)			55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)			100.0 (Minimum) 200.0 (Nominal) 260.0 (Maximum)	
Phase	SSW3 Background CPS	Value	Phase	SSW4 Background CPS	Value	Phase	SSW5 Background CPS	Value
Before		350.8	Before		182.7	Before		131.9
	280.0 (Minimum) 500.0 (Nominal) 700.0 (Maximum)			150.0 (Minimum) 270.0 (Nominal) 380.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 270.0 (Maximum)	

Before: 25-Mar-2017 2:36

Litho-Density Spectroscopy Cartridge - B / Equipment Identification

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

Hostile Natural Gamma Ray Cartridge - B / Equipment Identification

Primary Equipment:		
HNGC Cartridge	HNGC - B	304
Auxiliary Equipment:		
HNGC Housing	HNGH - A	3

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:		
HNGS Sonde	HNGS - BA	194
Auxiliary Equipment:		
HNGS Sonde Housing	HNSH - BA	205
Gamma Source Radioactive	GSR - U	616008

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 1 Check

Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.78	Master		15.89	Master		1194
Before		39.61	Before		16.70	Before		1195

After		39.64	After		15.34	After		1195
37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)		
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		141.8	Master		8.607	Master		34.40
Before		142.0	Before		9.584	Before		34.45
After		142.1	After		9.415	After		34.42
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		29.68						
Before		29.26						
After		29.37						
10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)								
Master: 27-Mar-2017 2:51			Before: 27-Mar-2017 2:56			After: 27-Mar-2017 3:16		

Hostile Natural Gamma Ray Sonde Wellsite Calibration								
Detector 2 Check								
Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.58	Master		16.44	Master		1124
Before		39.77	Before		15.89	Before		1124
After		39.63	After		16.75	After		1125
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		142.3	Master		8.332	Master		35.13
Before		142.1	Before		9.765	Before		35.03
After		141.9	After		9.462	After		35.05
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		29.69						
Before		29.45						
After		29.35						
10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)								
Master: 27-Mar-2017 2:51			Before: 27-Mar-2017 2:56			After: 27-Mar-2017 3:16		

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9983
Before		0.9951
After		0.9986
0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)		
Master: 27-Mar-2017 2:51		
Before: 27-Mar-2017 2:56		
After: 27-Mar-2017 3:16		

Hostile Natural Gamma Ray Sonde Master Calibration								
Detector 1 Calibration								
Phase	Na 511 Peak Set Point	Value	Phase	Th Peak Loc	Value	Phase	Th Peak Res %	Value
Master		41.00	Master		210.6	Master		7.235
38.00 (Minimum) 40.00 (Nominal) 43.00 (Maximum)			201.0 (Minimum) 209.6 (Nominal) 218.3 (Maximum)			5.000 (Minimum) 7.000 (Nominal) 9.000 (Maximum)		
Phase	Background Count Rate CPS	Value	Phase	Gain Ratio	Value			
Master		27.00	Master		1.000			

Master		27.39	Master		1.008	
	10.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)	0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)

Master: 27-Mar-2017 2:46

Hostile Natural Gamma Ray Sonde Master Calibration									
Detector 2 Calibration									
Phase	Na 511 Peak Set Point			Value	Phase	Th Peak Loc			Value
Master				41.00	Master				209.3
	38.00 (Minimum)	40.00 (Nominal)	43.00 (Maximum)			201.0 (Minimum)	209.6 (Nominal)	218.3 (Maximum)	
Phase	Background Count Rate CPS			Value	Phase	Th Peak Res %			Value
Master				26.24	Master				7.377
	10.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)			5.000 (Minimum)	7.000 (Nominal)	9.000 (Maximum)	
Phase	Gain Ratio			Value					
Master				1.006					
	0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)						

Master: 27-Mar-2017 2:46

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

Enhanced DTS Cartridge Wellsite Calibration			
EDTC Accelerometer Calibration			
Phase	EDTC Z-Axis Acceleration M/S2	Value	
Before		9.728	
	9.610 (Minimum)	9.810 (Nominal)	10.01 (Maximum)

Before: 6-Apr-2017 13:07

Enhanced DTS Cartridge Wellsite Calibration									
Detector Calibration									
Phase	Gamma Ray Background GAPI			Value	Phase	Gamma Ray (Jig - Bkg) GAPI			Value
Before				7.913	Before				145.5
	0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)			132.2 (Minimum)	145.5 (Nominal)	158.7 (Maximum)	
Phase	Gamma Ray (Calibrated) GAPI			Value					
After				165.3					
	149.0 (Minimum)	164.0 (Nominal)	179.0 (Maximum)						

Before: 27-Mar-2017 3:02 After: 27-Mar-2017 3:13

Company: **International Ocean Discovery Program**



Well: **Expedition 367, Site U1500B**
 Field: **South China Sea Rifted Margin A**
 Rig: **JOIDES Resolution**
 Ocean: **South China Sea**

High Resolution Laterolog Array
 Hostile Litho Density / DSI
 Natural Gamma Ray

